

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102516\
 Data File : BF090821.D
 Acq On : 25 Oct 2016 21:34
 Operator : UM/SJ
 Sample : H5394-01MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-NORTHMSD

Quant Time: Oct 26 00:56:47 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 25 18:56:36 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	195699	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	787585	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	455330	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	748968	20.00	ng	0.01
75) Chrysene-d12	13.97	240	488788	20.00	ng	0.01
86) Perylene-d12	15.38	264	405570	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	1842365	151.83	ng	0.02
7) Phenol-d6	6.45	99	2189372	133.20	ng	0.01
23) Nitrobenzene-d5	7.37	82	1296244	90.27	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	754902	209.47	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	2492575	84.98	ng	0.00
78) Terphenyl-d14	12.92	244	2690774	126.17	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.43	88	263814	37.57	ng	# 77
3) Pyridine	3.13	79	662184	40.25	ng	# 71
4) n-Nitrosodimethylamine	3.09	42	240778	42.77	ng	# 53
6) Aniline	6.48	93	708410	38.01	ng	# 88
8) 2-Chlorophenol	6.59	128	701595	48.16	ng	98
9) Benzaldehyde	6.34	77	117701	13.10	ng	# 71
10) Phenol	6.46	94	905084	48.99	ng	# 55
11) bis(2-Chloroethyl)ether	6.54	93	714342	46.02	ng	89
12) 1,3-Dichlorobenzene	6.74	146	689954	47.15	ng	# 94
13) 1,4-Dichlorobenzene	6.82	146	730460	47.07	ng	# 94
14) 1,2-Dichlorobenzene	6.82	146	732885	48.24	ng	97
15) Benzyl Alcohol	6.96	79	484000	43.35	ng	# 83
16) 2,2'-oxybis(1-Chloropropan	7.08	45	614025	26.41	ng	48
17) 2-Methylphenol	7.07	107	527352	48.05	ng	# 84
18) Hexachloroethane	7.31	117	237662	37.72	ng	# 85
19) n-Nitroso-di-n-propylamine	7.23	70	416159	34.00	ng	# 68
20) 3+4-Methylphenols	7.23	107	638527	49.08	ng	# 86
22) Acetophenone	7.22	105	833273	47.48	ng	# 86
24) Nitrobenzene	7.39	77	610618	39.23	ng	# 74
25) Isophorone	7.63	82	1216922	44.77	ng	# 92
26) 2-Nitrophenol	7.71	139	386046	60.70	ng	# 93
27) 2,4-Dimethylphenol	7.76	122	624061	55.34	ng	85
28) bis(2-Chloroethoxy)methane	7.85	93	787203	52.94	ng	# 95
29) 2,4-Dichlorophenol	7.95	162	549494	59.38	ng	94
30) 1,2,4-Trichlorobenzene	8.03	180	602444	55.31	ng	98
31) Naphthalene	8.11	128	1854884	48.15	ng	96
32) Benzoic acid	7.88	122	218163	30.68	ng	# 72
33) 4-Chloroaniline	8.17	127	381258	26.68	ng	# 98
34) Hexachlorobutadiene	8.24	225	347405	56.73	ng	99
35) Caprolactam	8.56	113	114638	43.37	ng	# 69
36) 4-Chloro-3-methylphenol	8.66	107	587992	54.63	ng	88
37) 2-Methylnaphthalene	8.81	142	1309961	58.18	ng	# 92
39) 1,2,4,5-Tetrachlorobenzene	8.97	216	577375	46.96	ng	99
40) Hexachlorocyclopentadiene	8.96	237	620964	107.58	ng	97

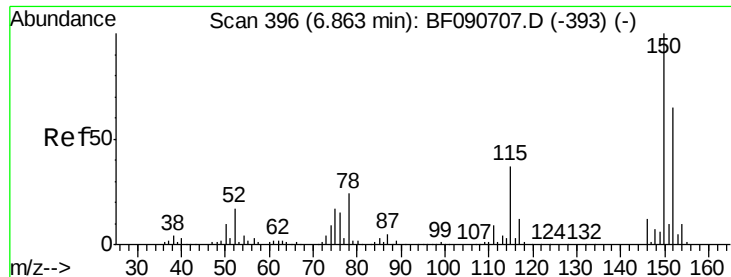
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102516\
 Data File : BF090821.D
 Acq On : 25 Oct 2016 21:34
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.08	196	410251	53.81	ng	99
43) 2,4,5-Trichlorophenol	9.14	196	464558	60.04	ng #	93
45) 1,1'-Biphenyl	9.28	154	1559425	43.61	ng	92
46) 2-Chloronaphthalene	9.30	162	1270474	47.80	ng	97
47) 2-Nitroaniline	9.39	65	316232	35.85	ng #	80
48) Acenaphthylene	9.71	152	1866277	46.02	ng	95
49) Dimethylphthalate	9.58	163	1980500	69.22	ng #	98
50) 2,6-Dinitrotoluene	9.64	165	376956	61.27	ng	92
51) Acenaphthene	9.88	154	1162208	43.17	ng	88
52) 3-Nitroaniline	9.80	138	223661	31.62	ng #	59
53) 2,4-Dinitrophenol	9.92	184	338723	90.20	ng #	90
54) Dibenzofuran	10.05	168	1610224	49.38	ng #	86
55) 4-Nitrophenol	9.98	139	446729	101.12	ng #	71
56) 2,4-Dinitrotoluene	10.04	165	394684	52.48	ng #	84
57) Fluorene	10.40	166	1295210	47.92	ng	92
58) 2,3,4,6-Tetrachlorophenol	10.18	232	388709	64.02	ng #	90
59) Diethylphthalate	10.28	149	1514823	51.05	ng	96
60) 4-Chlorophenyl-phenylether	10.38	204	616663	49.93	ng #	87
61) 4-Nitroaniline	10.43	138	330204	46.10	ng #	64
62) Azobenzene	10.54	77	1296593	37.31	ng	86
64) 4,6-Dinitro-2-methylphenol	10.45	198	232387	48.56	ng #	78
65) n-Nitrosodiphenylamine	10.51	169	1140922	47.55	ng	91
66) 4-Bromophenyl-phenylether	10.88	248	417477	57.50	ng	99
67) Hexachlorobenzene	10.94	284	531871	62.08	ng #	80
68) Atrazine	11.05	200	412323	62.26	ng	86
69) Pentachlorophenol	11.14	266	525147	91.86	ng	99
70) Phenanthrene	11.40	178	2025634	53.06	ng	96
71) Anthracene	11.40	178	2035160	48.07	ng	96
72) Carbazole	11.56	167	1694579	47.87	ng	93
73) Di-n-butylphthalate	11.89	149	2067015	45.02	ng #	97
74) Fluoranthene	12.55	202	2007849	54.37	ng	86
76) Benzidine	12.67	184	553832	51.03	ng #	98
77) Pyrene	12.55	202	1996248	58.48	ng	96
79) Butylbenzylphthalate	13.39	149	859186	54.75	ng #	86
80) Benzo(a)anthracene	13.96	228	1408340	52.65	ng	96
81) 3,3'-Dichlorobenzidine	13.93	252	378909	40.88	ng #	91
82) Chrysene	13.96	228	1408340	53.95	ng	97
83) Bis(2-ethylhexyl)phthalate	13.96	149	1199019	53.41	ng #	99
84) Di-n-octyl phthalate	14.57	149	1827970	53.65	ng #	86
85) Indeno(1,2,3-cd)pyrene	16.76	276	1290159	56.65	ng #	93
87) Benzo(b)fluoranthene	15.01	252	2616661	104.93	ng #	87
88) Benzo(k)fluoranthene	15.01	252	2619394	104.52	ng #	88
89) Benzo(a)pyrene	15.33	252	1227151	52.45	ng #	86
90) Dibenzo(a,h)anthracene	16.79	278	1104306	49.16	ng #	80
91) Benzo(g,h,i)perylene	17.17	276	1048102	48.10	ng #	80

(#) = qualifier out of range (m) = manual integration (+) = signals summed

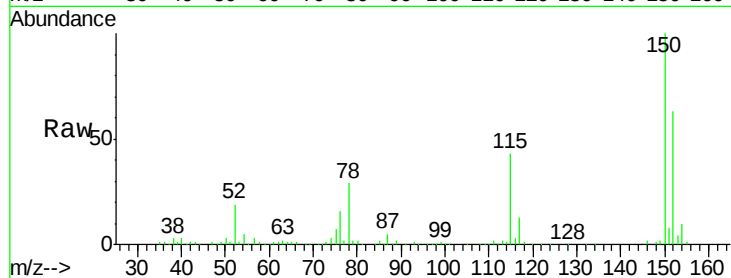


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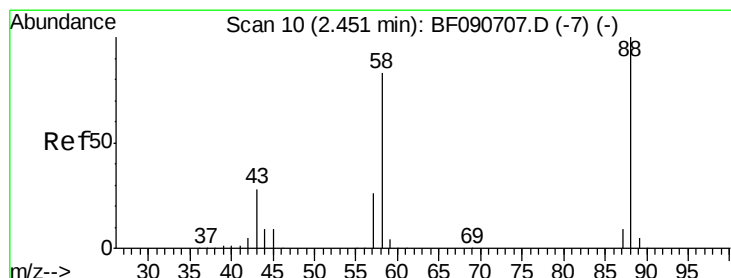
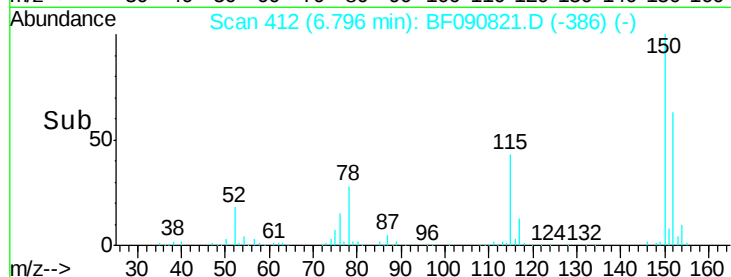
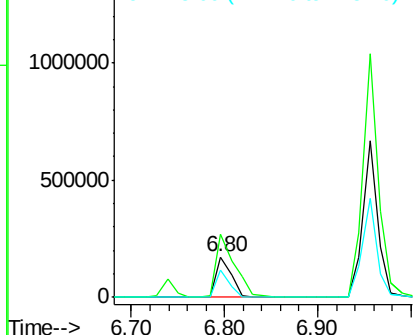
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. 0.00 min
Lab File: BF090821.D
Acq: 25 Oct 2016 21:34

Instrument :
BNA_F
ClientSampleId :
BOTTOM-NORTHMSD

Tgt Ion:152 Resp: 195699
Ion Ratio Lower Upper
152 100
150 158.7 124.7 187.1
115 67.5 39.0 58.4#



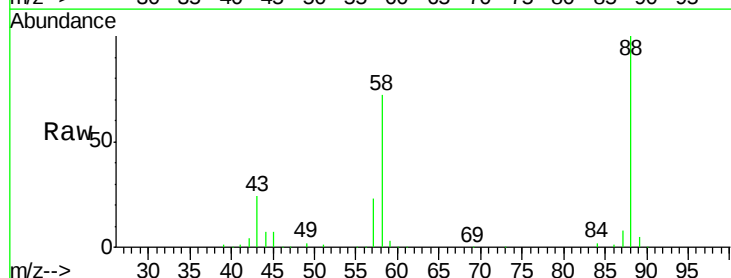
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



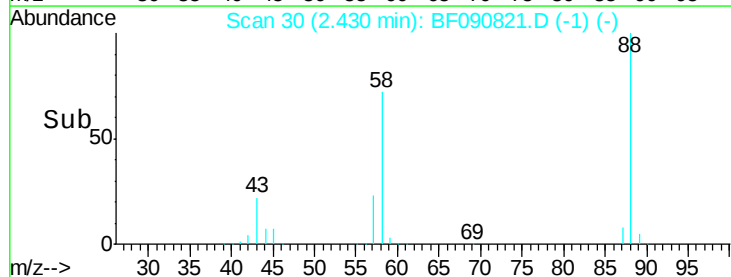
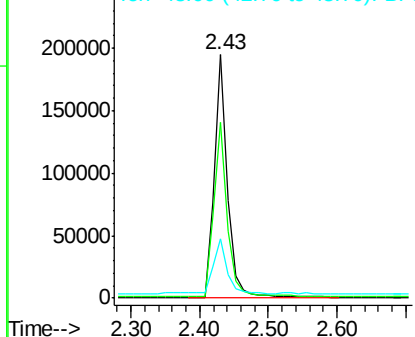
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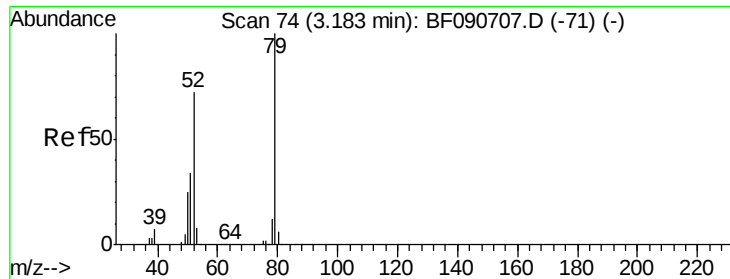
1,4-Dioxane
Concen: 37.57 ng
RT: 2.43 min Scan# 30
Delta R.T. 0.08 min
Lab File: BF090821.D
Acq: 25 Oct 2016 21:34

Tgt Ion: 88 Resp: 263814
Ion Ratio Lower Upper
88 100
58 72.8 77.7 116.5#
43 23.8 26.6 40.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0

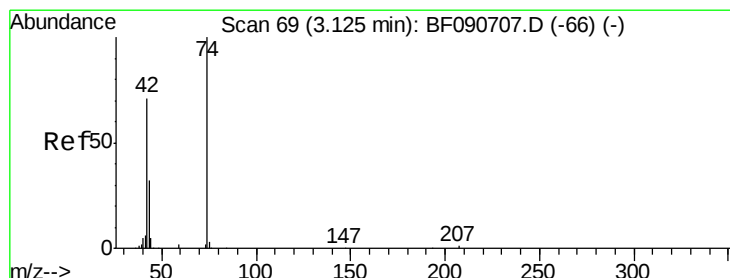
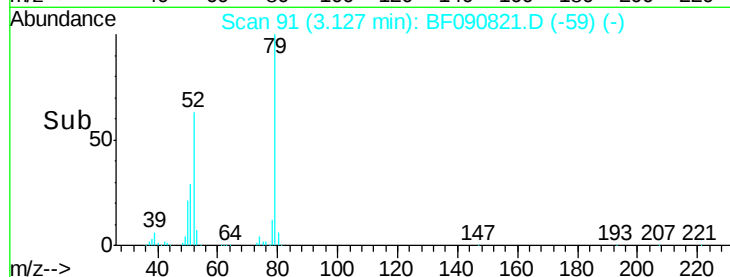
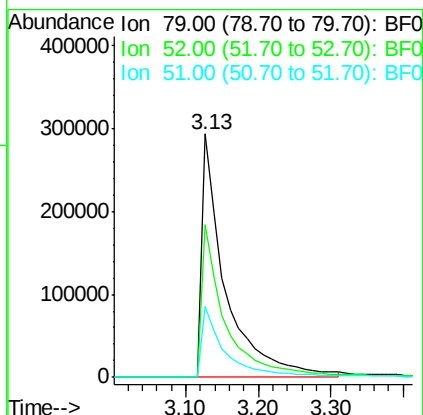
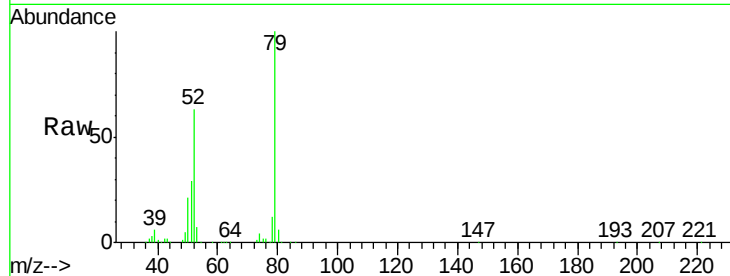




#3
 Pyridine
 Concen: 40.25 ng
 RT: 3.13 min Scan# 91
 Delta R.T. 0.07 min
 Lab File: BF090821.D
 Acq: 25 Oct 2016 21:34

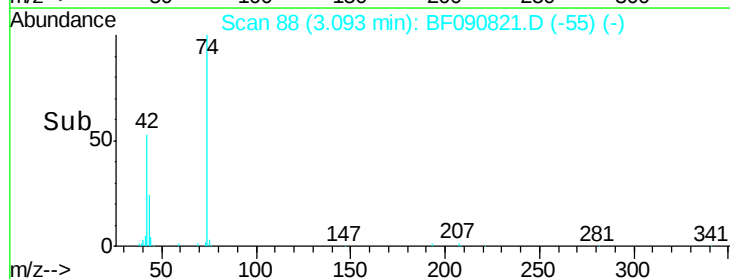
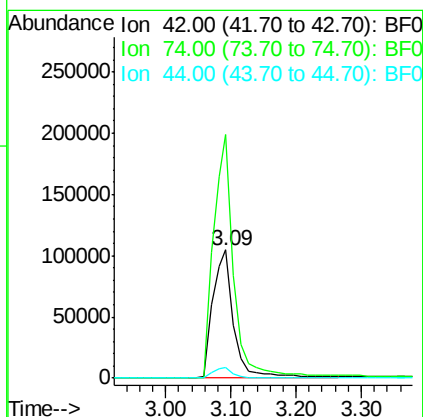
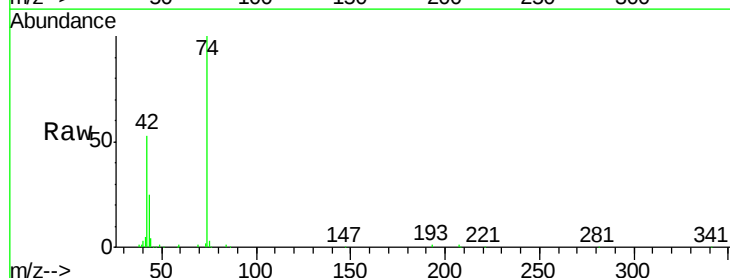
Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-NORTHMSD

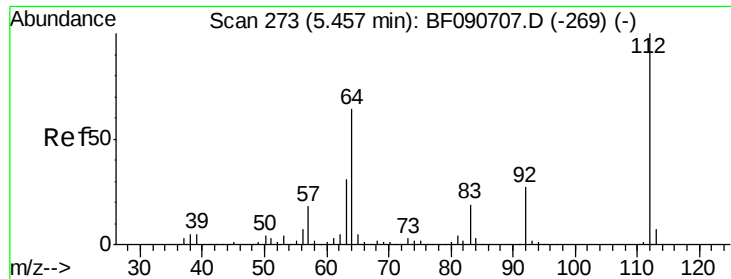
Tgt Ion: 79 Resp: 662184
 Ion Ratio Lower Upper
 79 100
 52 62.8 76.8 115.2#
 51 29.2 32.2 48.4#



#4
 n-Nitrosodimethylamine
 Concen: 42.77 ng
 RT: 3.09 min Scan# 88
 Delta R.T. 0.08 min
 Lab File: BF090821.D
 Acq: 25 Oct 2016 21:34

Tgt Ion: 42 Resp: 240778
 Ion Ratio Lower Upper
 42 100
 74 189.8 105.0 157.6#
 44 7.9 6.6 10.0





#5

2-Fluorophenol

Concen: 151.83 ng

RT: 5.41 min Scan# 291

Delta R.T. 0.02 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMSD

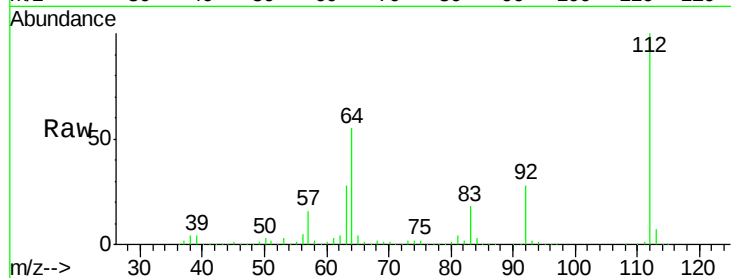
Tgt Ion: 112 Resp: 1842365

Ion Ratio Lower Upper

112 100

64 55.4 39.7 59.5

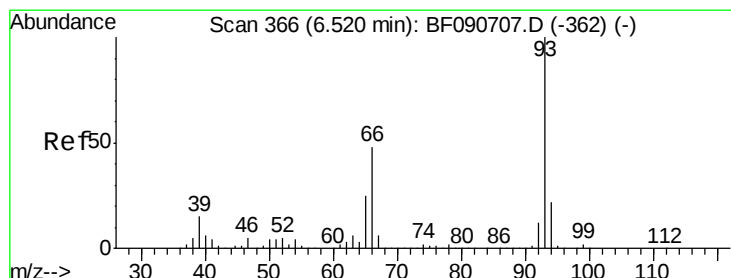
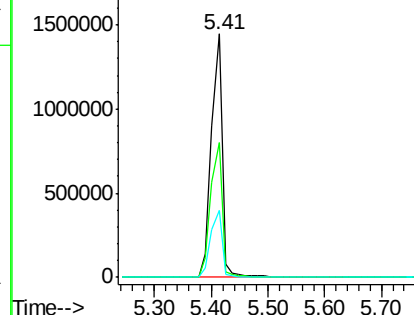
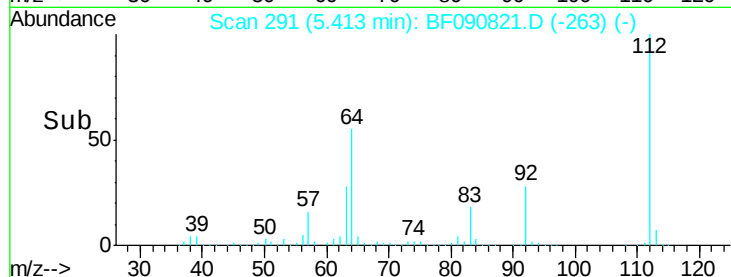
63 27.7 17.4 26.0#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 38.01 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.01 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

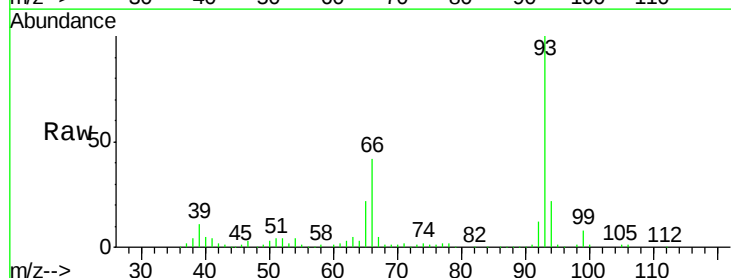
Tgt Ion: 93 Resp: 708410

Ion Ratio Lower Upper

93 100

66 41.9 27.2 40.8#

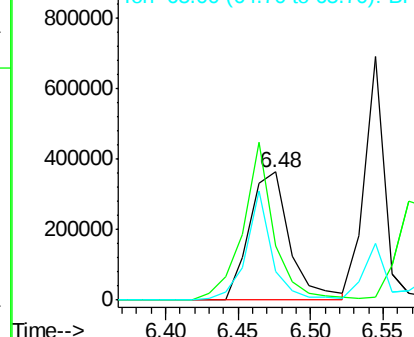
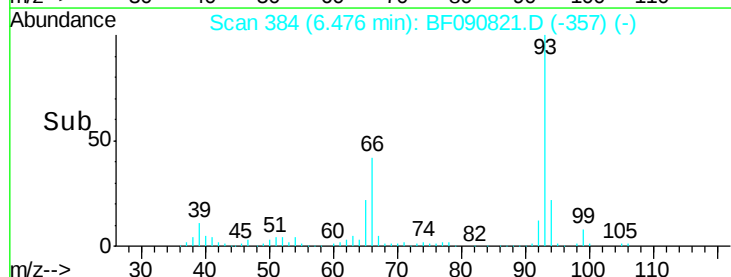
65 22.3 14.7 22.1#

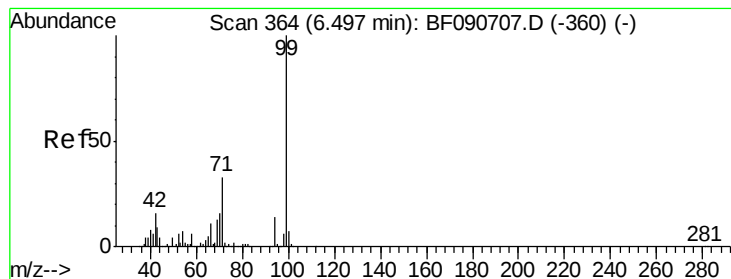


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 133.20 ng

RT: 6.45 min Scan# 382

Delta R.T. 0.01 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMSD

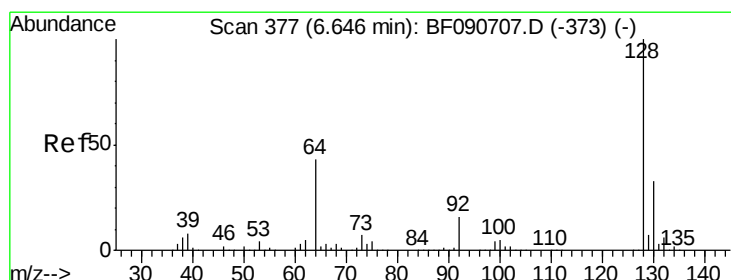
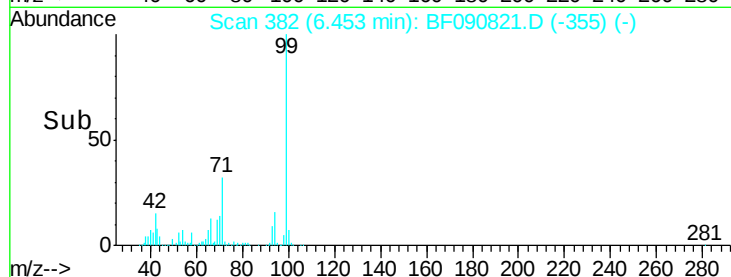
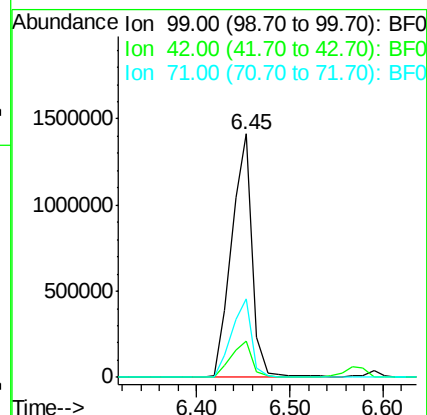
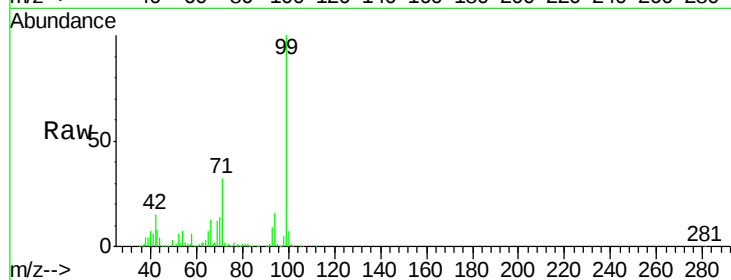
Tgt Ion: 99 Resp: 2189372

Ion Ratio Lower Upper

99 100

42 15.0 13.7 20.5

71 32.0 14.2 21.2#



#8

2-Chlorophenol

Concen: 48.16 ng

RT: 6.59 min Scan# 394

Delta R.T. 0.00 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

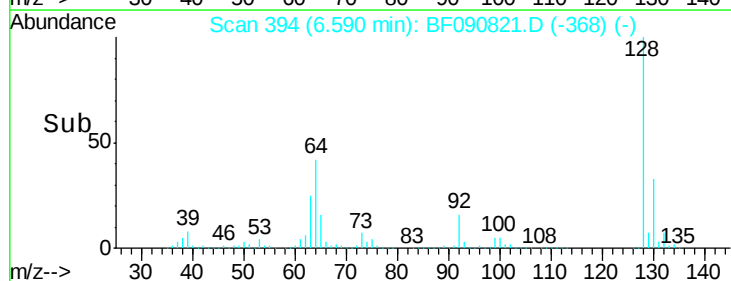
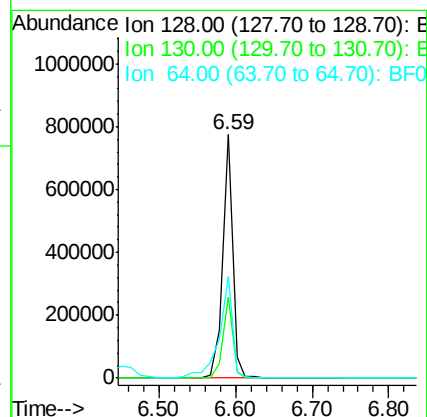
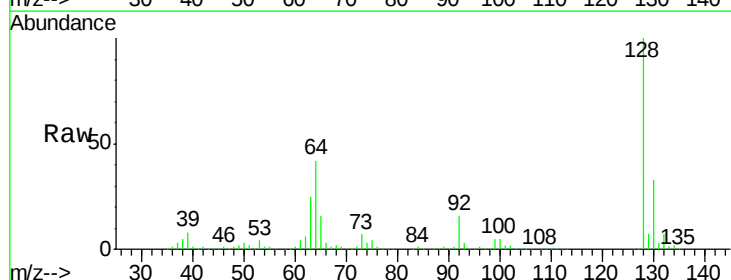
Tgt Ion: 128 Resp: 701595

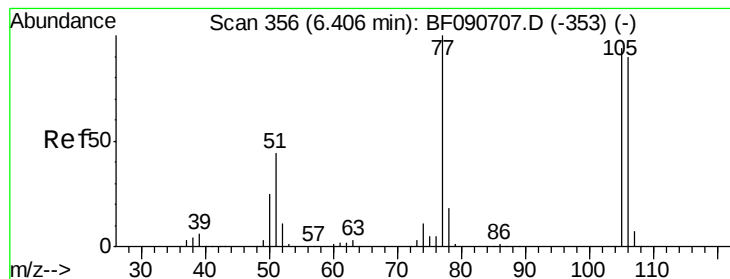
Ion Ratio Lower Upper

128 100

130 33.2 12.2 52.2

64 41.5 20.5 60.5





#9

Benzaldehyde

Concen: 13.10 ng

RT: 6.34 min Scan# 372

Delta R.T. 0.00 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMSD

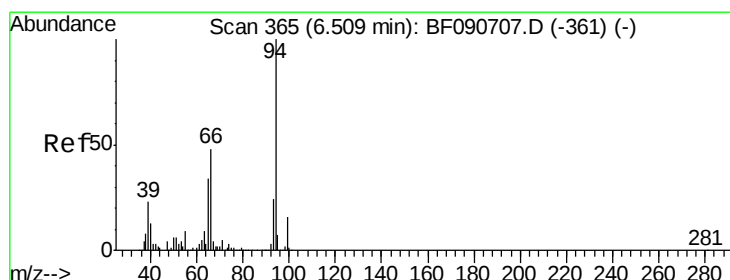
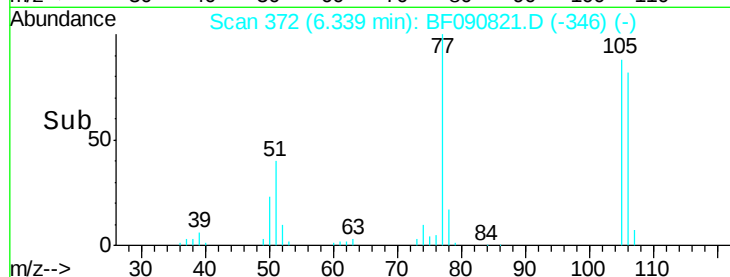
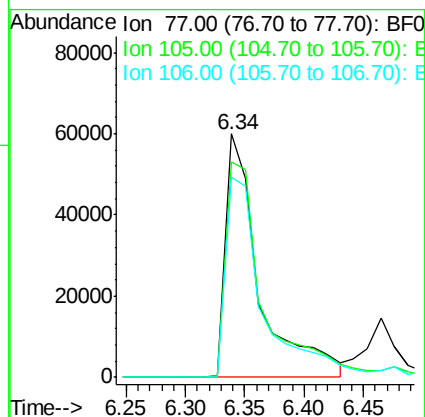
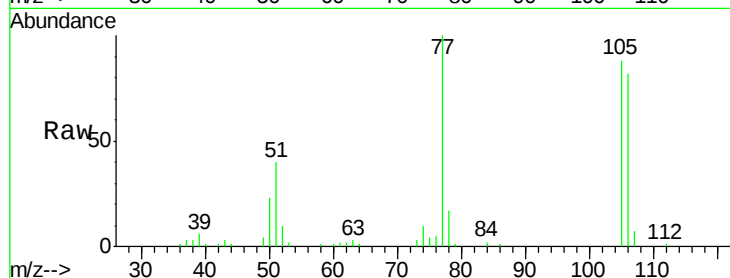
Tgt Ion: 77 Resp: 117701

Ion Ratio Lower Upper

77 100

105 88.4 91.6 131.6#

106 82.1 102.6 142.6#



#10

Phenol

Concen: 48.99 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.01 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

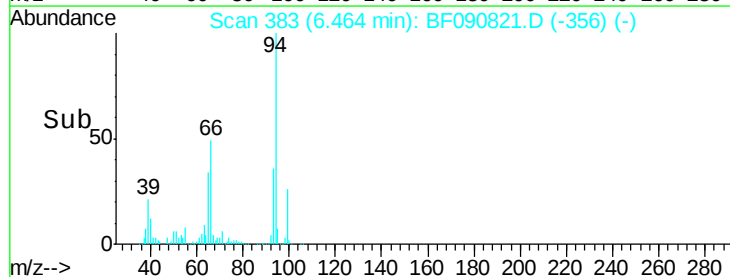
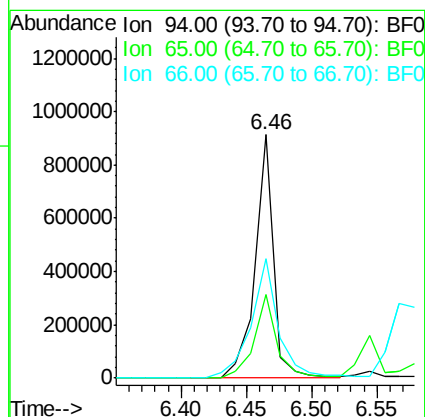
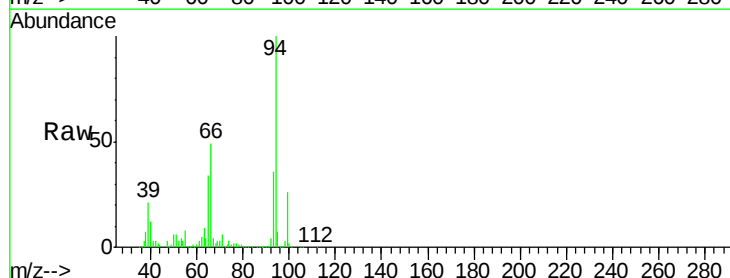
Tgt Ion: 94 Resp: 905084

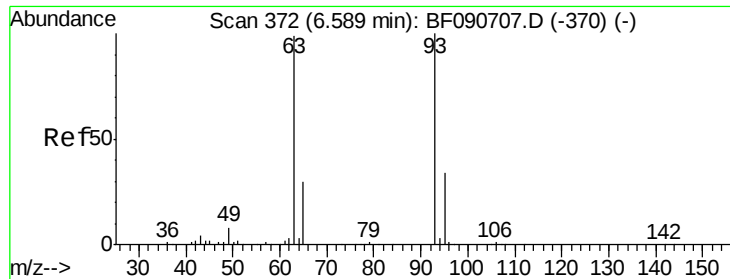
Ion Ratio Lower Upper

94 100

65 34.1 0.7 40.7

66 49.0 0.8 40.8#





#11

bis(2-Chloroethyl)ether

Concen: 46.02 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMSD

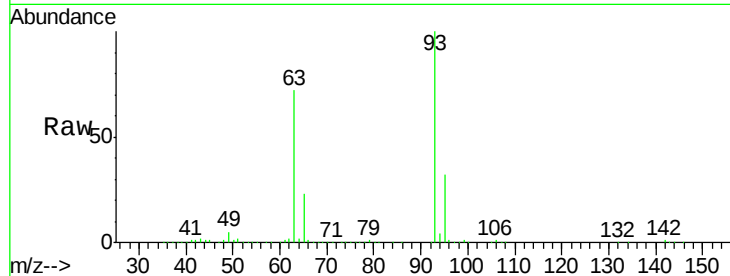
Tgt Ion: 93 Resp: 714342

Ion Ratio Lower Upper

93 100

63 71.8 65.6 105.6

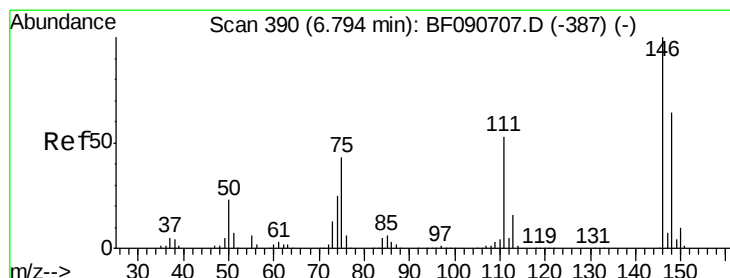
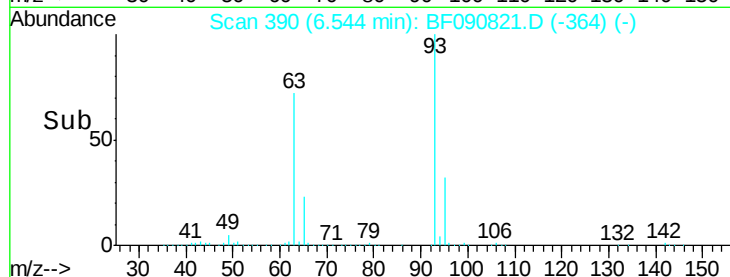
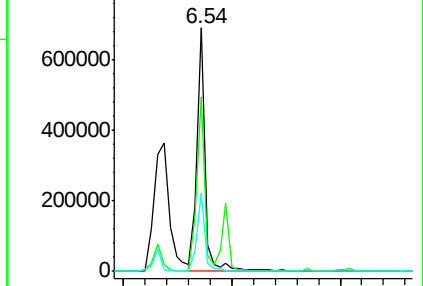
95 32.5 13.6 53.6



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 47.15 ng

RT: 6.74 min Scan# 407

Delta R.T. 0.00 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

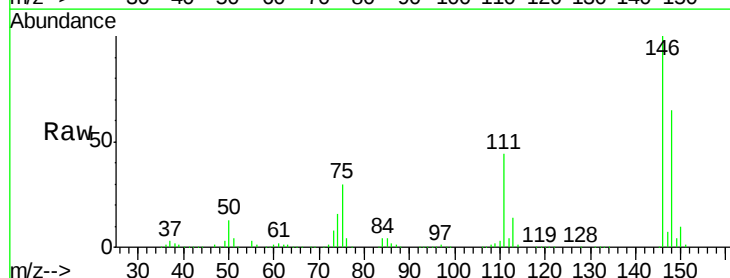
Tgt Ion: 146 Resp: 689954

Ion Ratio Lower Upper

146 100

148 64.5 51.0 76.4

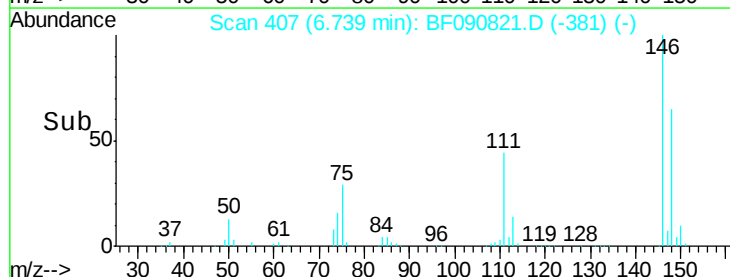
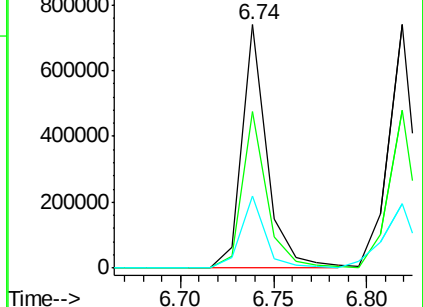
75 29.6 15.0 22.6#

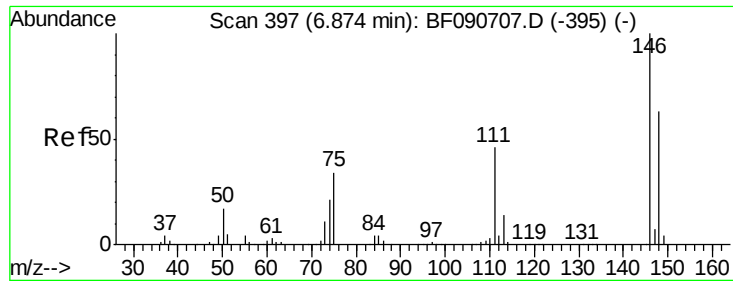


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

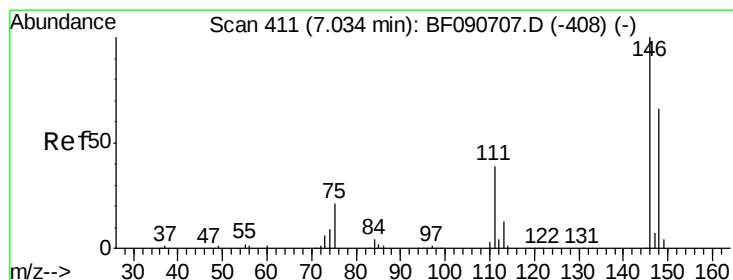
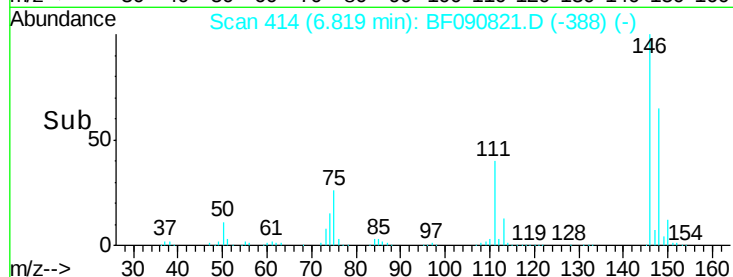
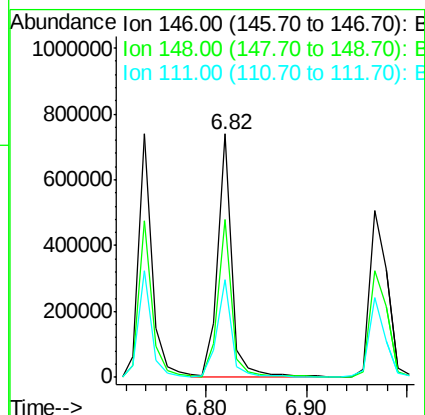
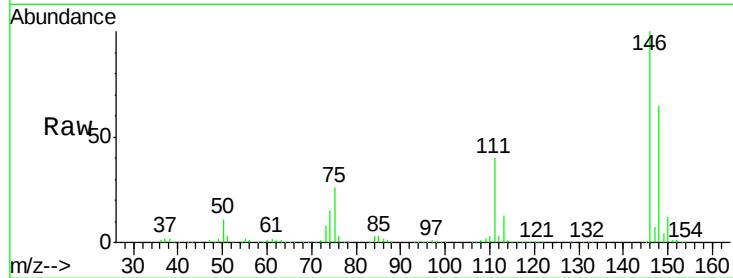




#13
 1,4-Dichlorobenzene
 Concen: 47.07 ng
 RT: 6.82 min Scan# 414
 Delta R.T. 0.00 min
 Lab File: BF090821.D
 Acq: 25 Oct 2016 21:34

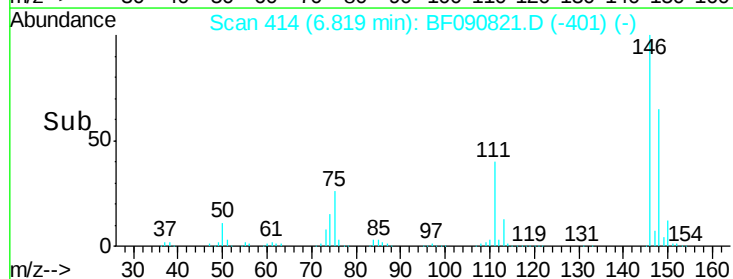
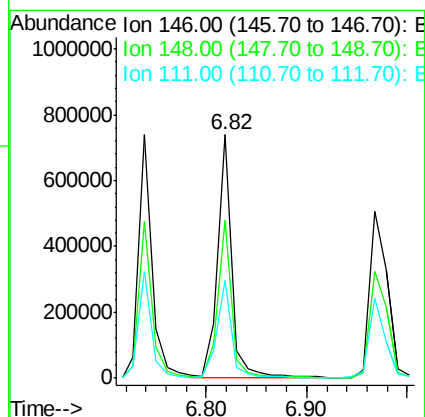
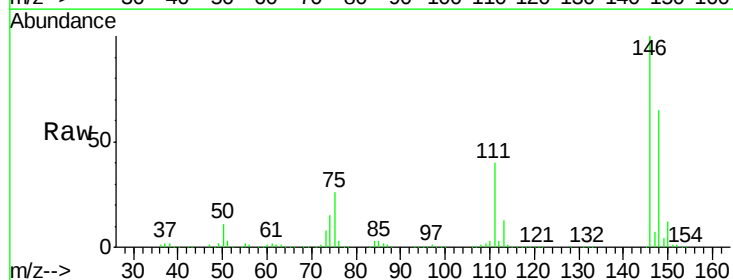
Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-NORTHMSD

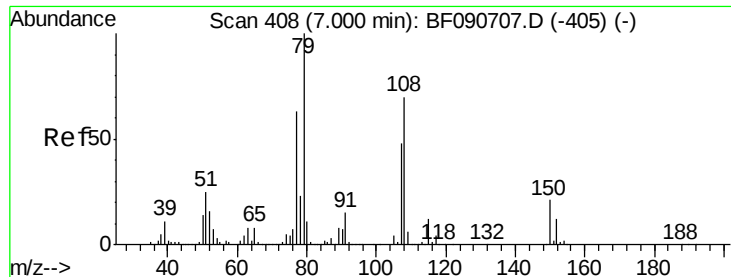
Tgt Ion:146 Resp: 730460
 Ion Ratio Lower Upper
 146 100
 148 65.0 51.8 77.6
 111 40.3 24.9 37.3#



#14
 1,2-Dichlorobenzene
 Concen: 48.24 ng
 RT: 6.82 min Scan# 414
 Delta R.T. -0.15 min
 Lab File: BF090821.D
 Acq: 25 Oct 2016 21:34

Tgt Ion:146 Resp: 732885
 Ion Ratio Lower Upper
 146 100
 148 65.0 52.7 79.1
 111 40.3 28.8 43.2





#15

Benzyl Alcohol

Concen: 43.35 ng

RT: 6.96 min Scan# 426

Delta R.T. 0.01 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMSD

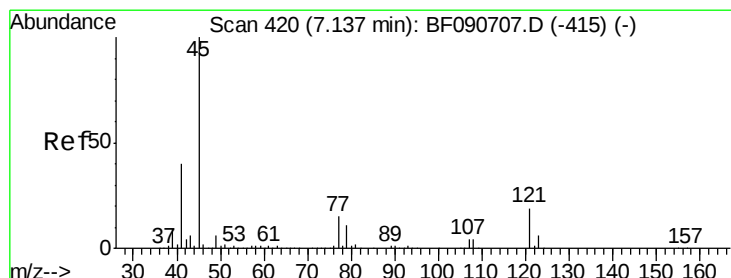
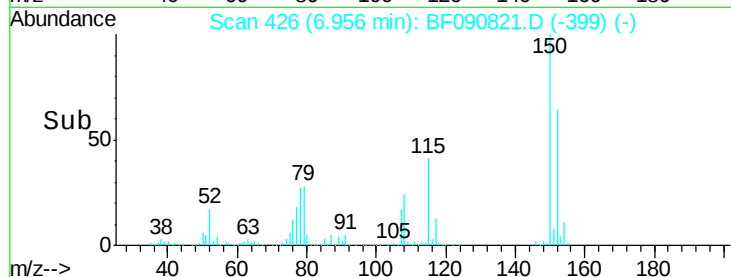
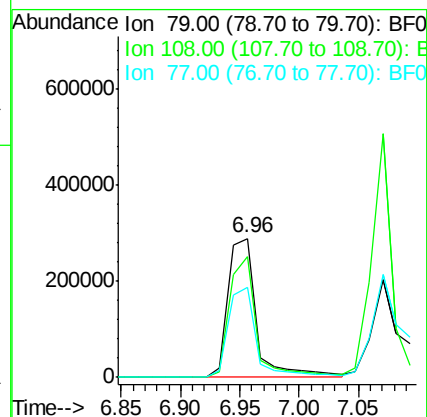
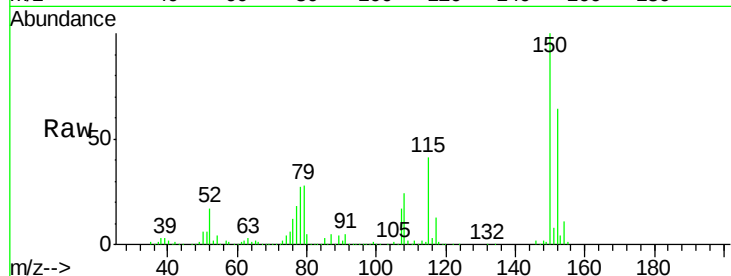
Tgt Ion: 79 Resp: 484000

Ion Ratio Lower Upper

79 100

108 87.3 88.6 132.8#

77 65.0 47.0 70.4



#16

2,2'-oxybis(1-Chloropropane)

Concen: 26.41 ng

RT: 7.08 min Scan# 437

Delta R.T. 0.00 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

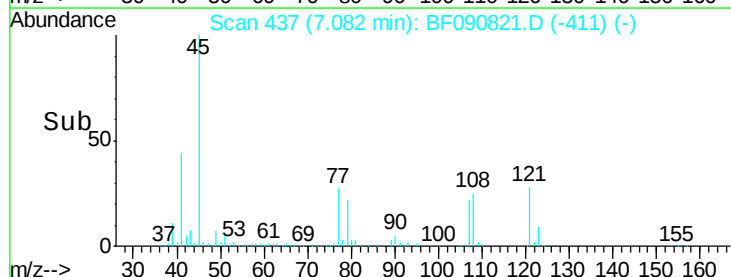
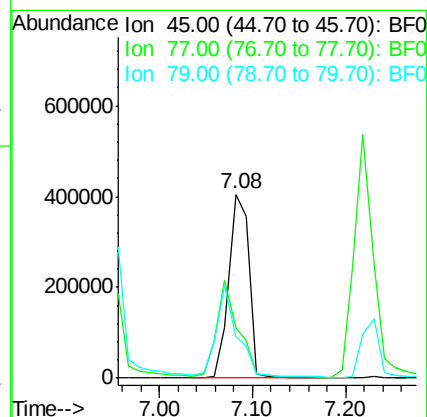
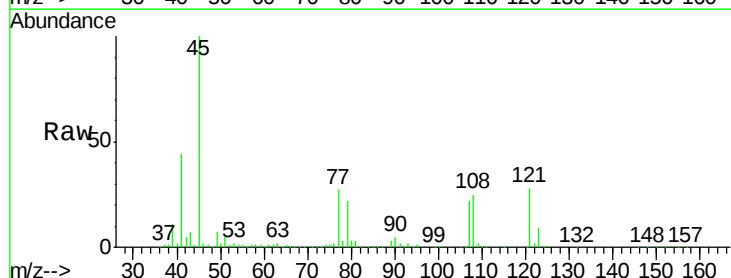
Tgt Ion: 45 Resp: 614025

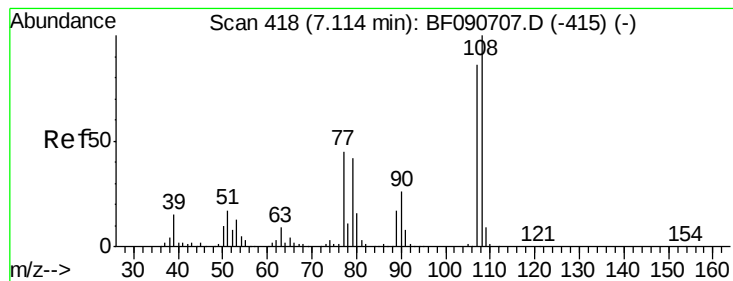
Ion Ratio Lower Upper

45 100

77 27.3 0.0 28.1

79 22.3 0.0 26.0

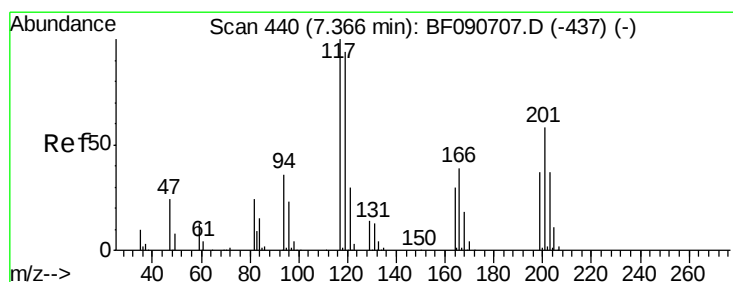
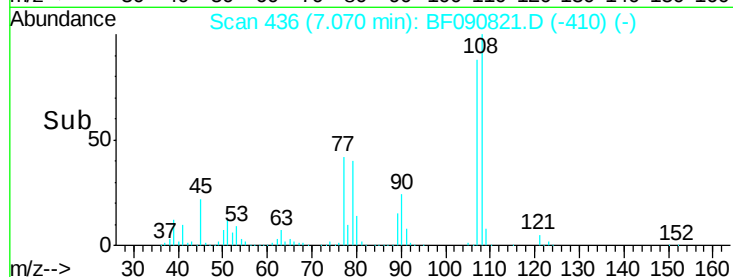
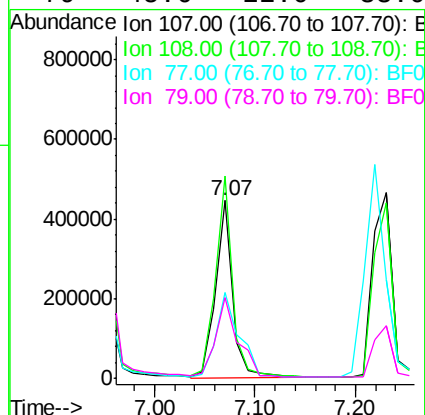
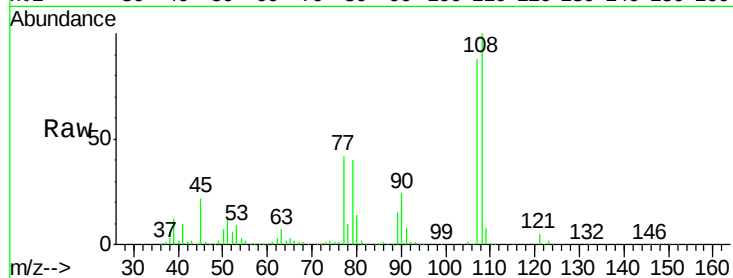




#17
2-Methylphenol
Concen: 48.05 ng
RT: 7.07 min Scan# 436
Delta R.T. 0.00 min
Lab File: BF090821.D
Acq: 25 Oct 2016 21:34

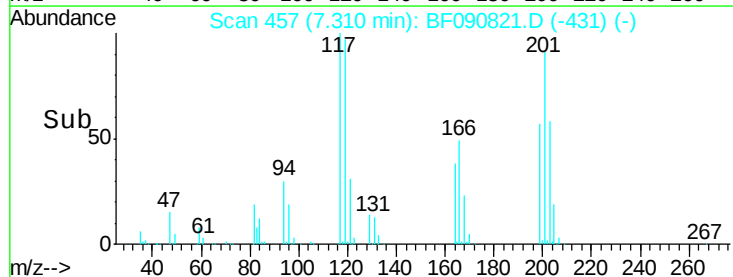
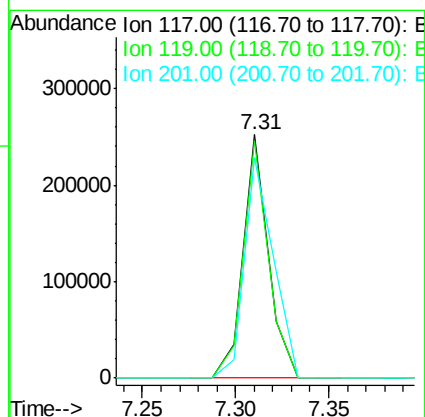
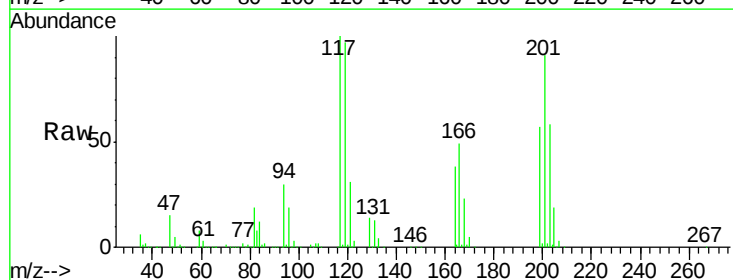
Instrument :
BNA_F
ClientSampleId :
BOTTOM-NORTHMSD

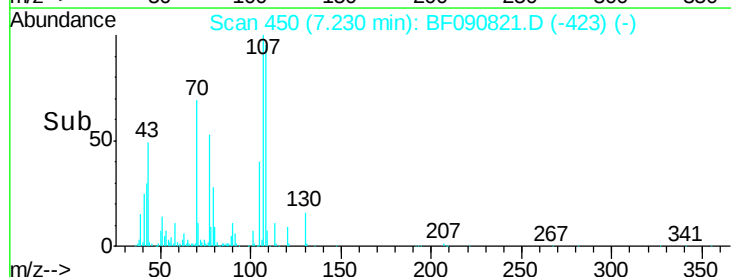
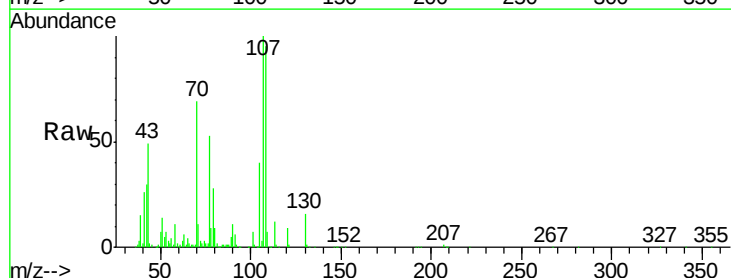
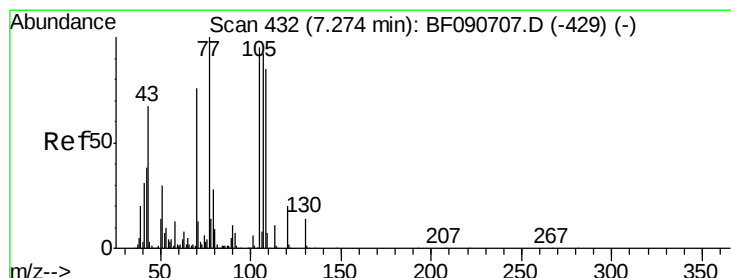
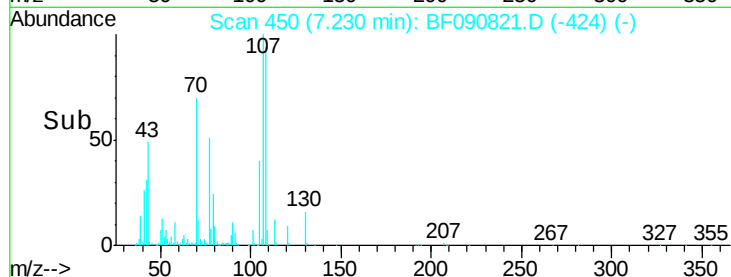
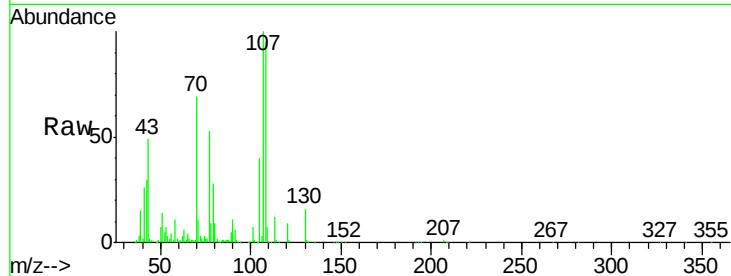
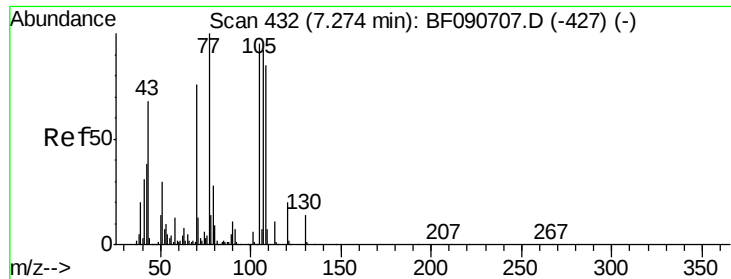
Tgt Ion:107 Resp: 527352
Ion Ratio Lower Upper
107 100
108 113.8 96.6 145.0
77 48.3 23.3 34.9#
79 45.6 22.0 33.0#



#18
Hexachloroethane
Concen: 37.72 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.00 min
Lab File: BF090821.D
Acq: 25 Oct 2016 21:34

Tgt Ion:117 Resp: 237662
Ion Ratio Lower Upper
117 100
119 97.3 83.8 125.6
201 90.8 55.1 82.7#

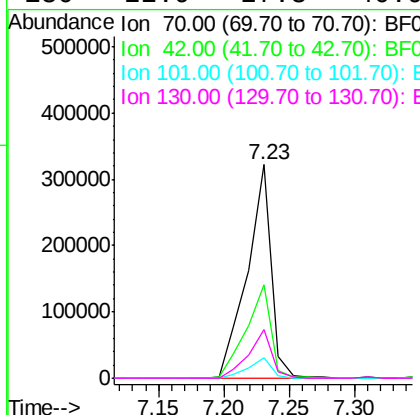




#19
n-Nitroso-di-n-propylamine
Concen: 34.00 ng
RT: 7.23 min Scan# 450
Delta R.T. 0.00 min
Lab File: BF090821.D
Acq: 25 Oct 2016 21:34

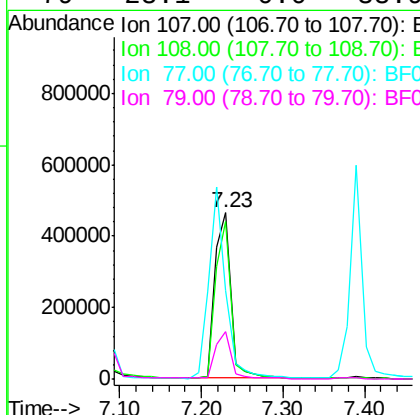
Instrument :
BNA_F
ClientSampleId :
BOTTOM-NORTHMSD

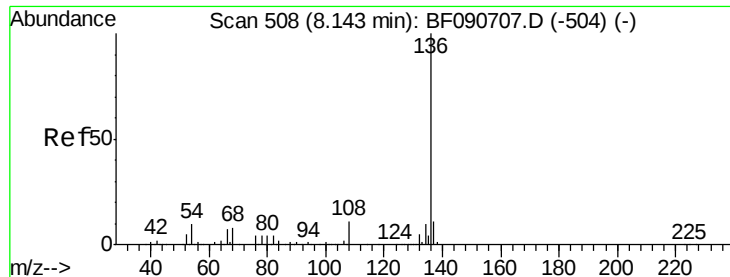
Tgt Ion: 70 Resp: 416159
Ion Ratio Lower Upper
70 100
42 43.7 63.8 95.6#
101 9.6 9.2 13.8
130 22.9 27.3 40.9#



#20
3+4-Methylphenols
Concen: 49.08 ng
RT: 7.23 min Scan# 450
Delta R.T. 0.01 min
Lab File: BF090821.D
Acq: 25 Oct 2016 21:34

Tgt Ion: 107 Resp: 638527
Ion Ratio Lower Upper
107 100
108 94.5 74.6 114.6
77 53.4 0.7 40.7#
79 28.1 0.0 38.9

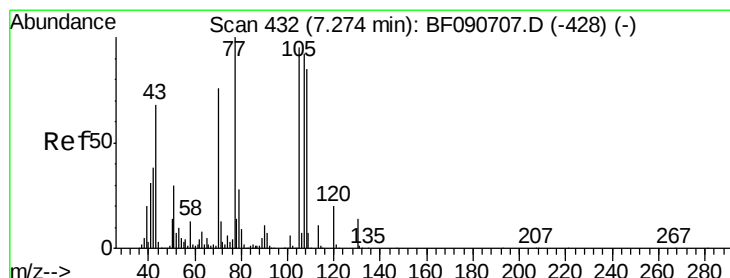
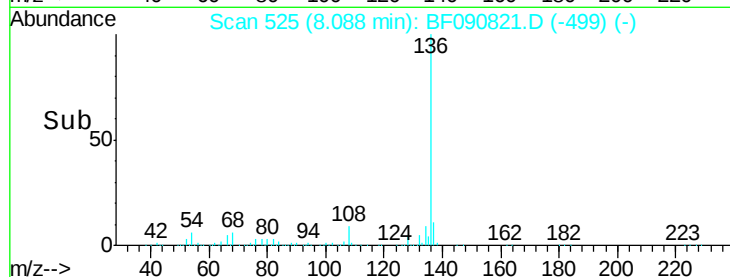
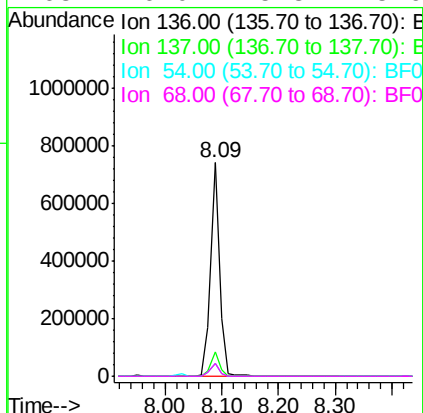
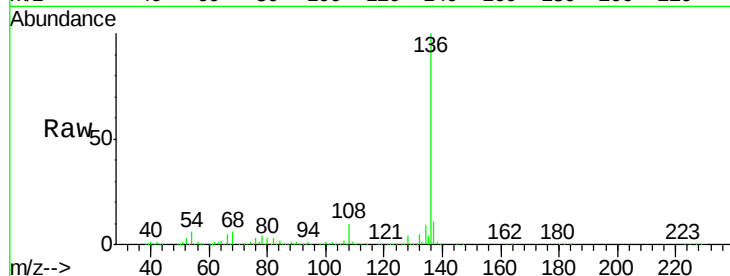




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. 0.00 min
Lab File: BF090821.D
Acq: 25 Oct 2016 21:34

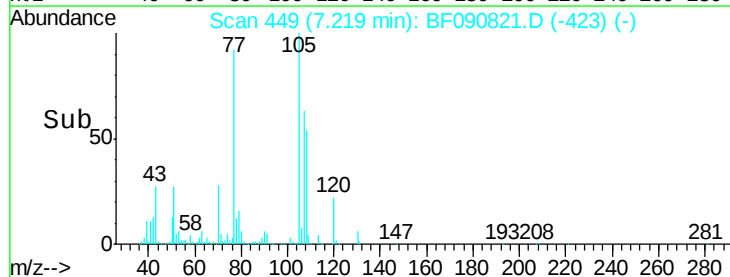
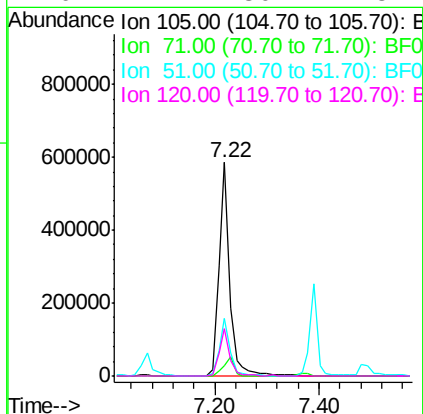
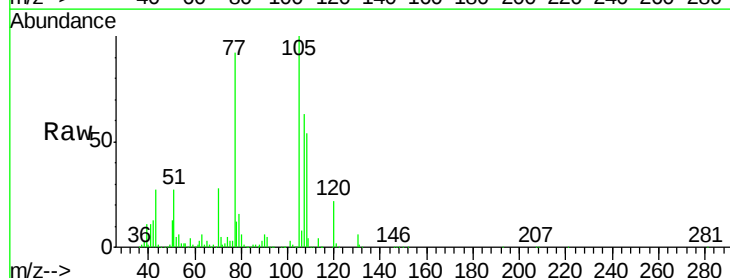
Instrument :
BNA_F
ClientSampleId :
BOTTOM-NORTHMSD

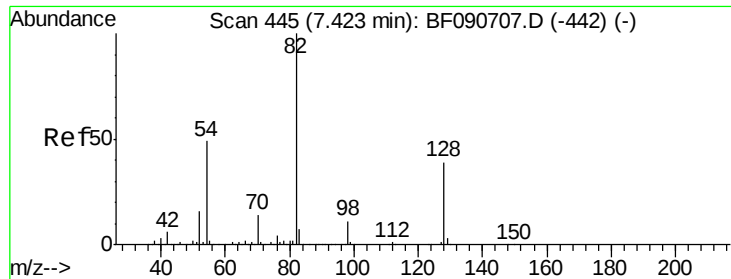
Tgt Ion:	136	Resp:	787585
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.6
54	6.3	8.2	12.2#
68	6.0	5.8	8.6



#22
Acetophenone
Concen: 47.48 ng
RT: 7.22 min Scan# 449
Delta R.T. 0.00 min
Lab File: BF090821.D
Acq: 25 Oct 2016 21:34

Tgt Ion:	105	Resp:	833273
Ion	Ratio	Lower	Upper
105	100		
71	4.7	4.7	7.1
51	26.9	22.0	33.0
120	22.4	30.1	45.1#

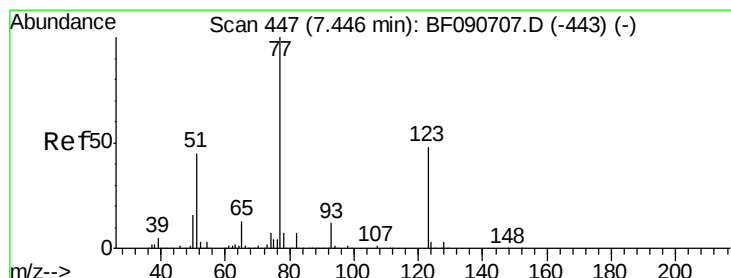
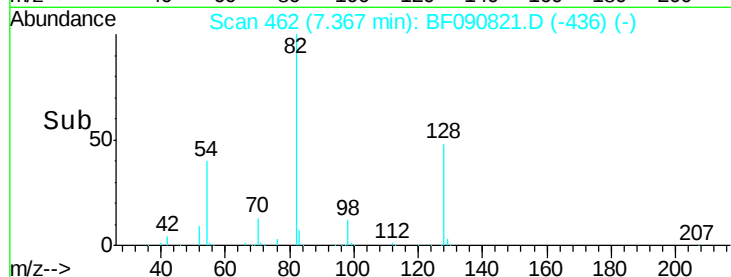
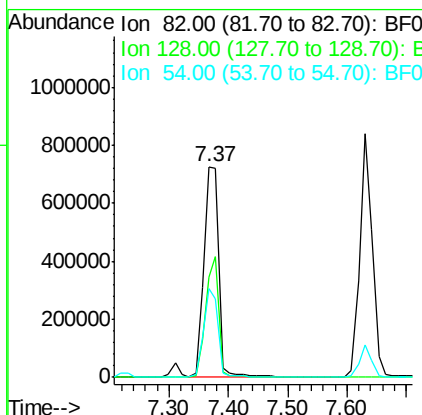
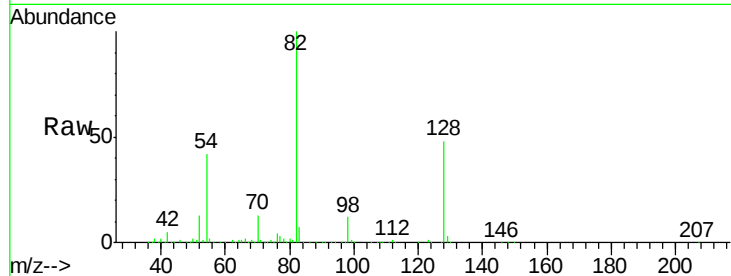




#23
 Nitrobenzene-d5
 Concen: 90.27 ng
 RT: 7.37 min Scan# 462
 Delta R.T. 0.00 min
 Lab File: BF090821.D
 Acq: 25 Oct 2016 21:34

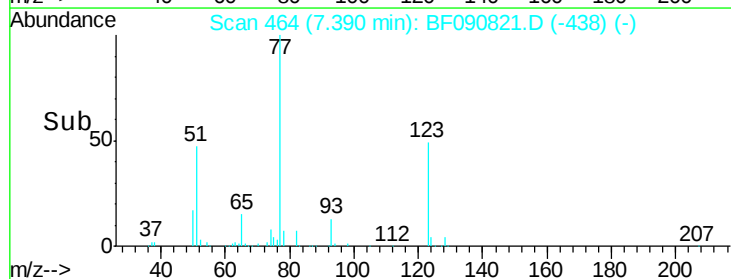
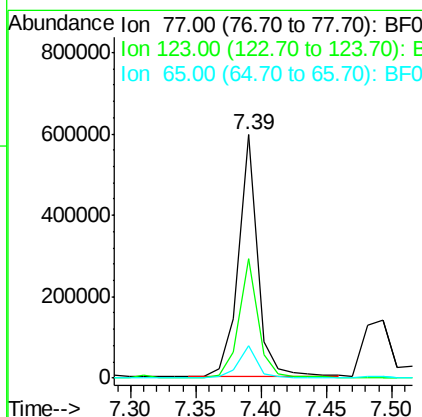
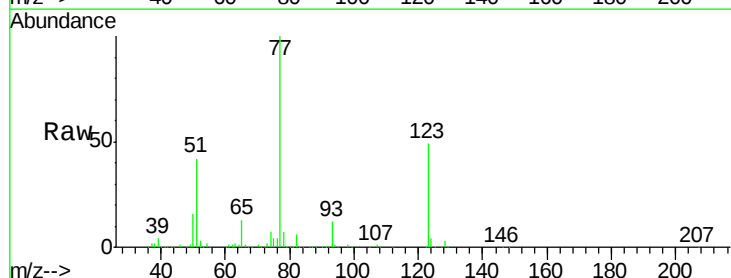
Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-NORTHMSD

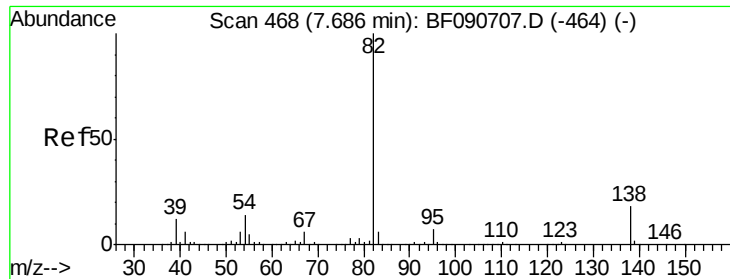
Tgt Ion: 82 Resp: 1296244
 Ion Ratio Lower Upper
 82 100
 128 47.5 51.0 76.6#
 54 42.1 47.5 71.3#



#24
 Nitrobenzene
 Concen: 39.23 ng
 RT: 7.39 min Scan# 464
 Delta R.T. 0.00 min
 Lab File: BF090821.D
 Acq: 25 Oct 2016 21:34

Tgt Ion: 77 Resp: 610618
 Ion Ratio Lower Upper
 77 100
 123 49.1 59.8 89.8#
 65 13.2 10.2 15.4





#25

Isophorone

Concen: 44.77 ng

RT: 7.63 min Scan# 485

Delta R.T. 0.00 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMSD

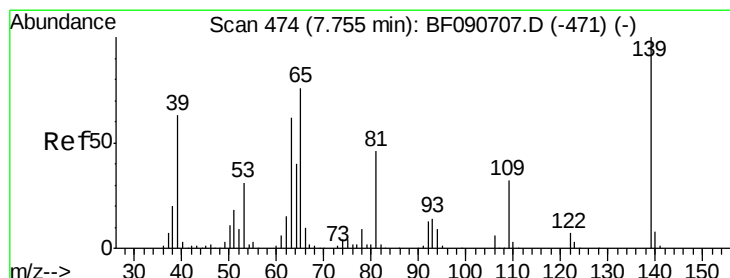
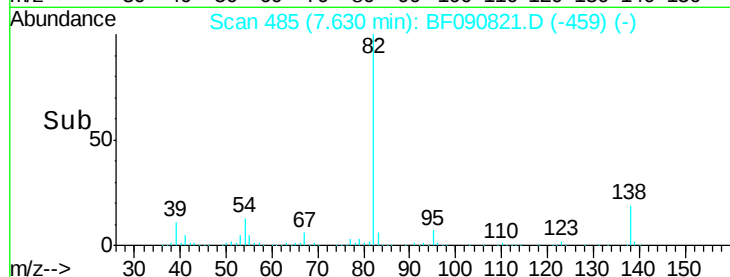
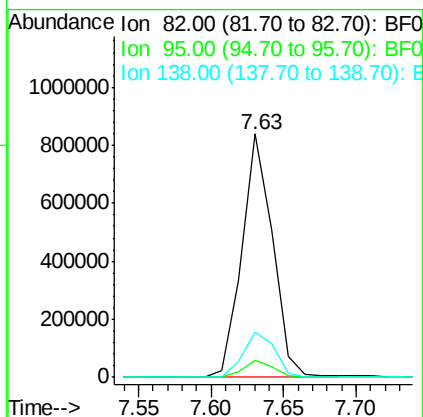
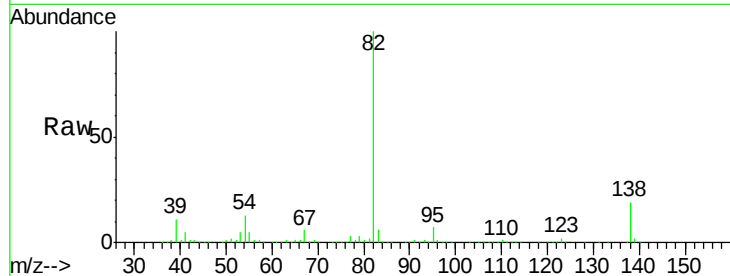
Tgt Ion: 82 Resp: 1216922

Ion Ratio Lower Upper

82 100

95 6.8 4.0 6.0#

138 18.6 18.3 27.5



#26

2-Nitrophenol

Concen: 60.70 ng

RT: 7.71 min Scan# 492

Delta R.T. 0.00 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

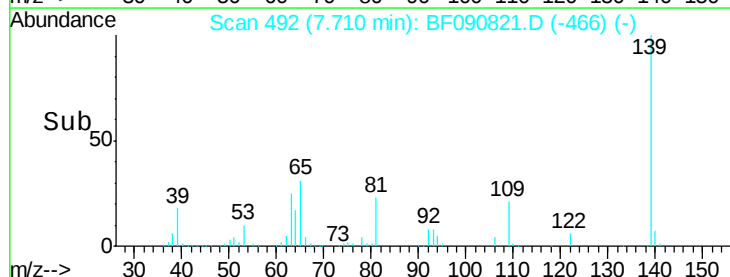
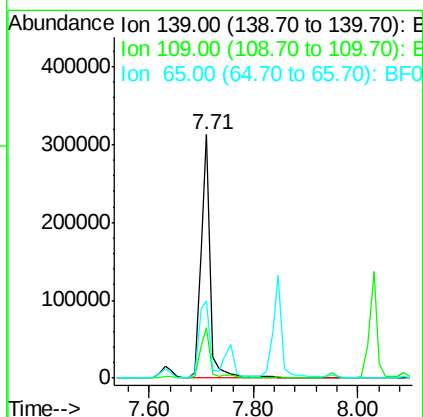
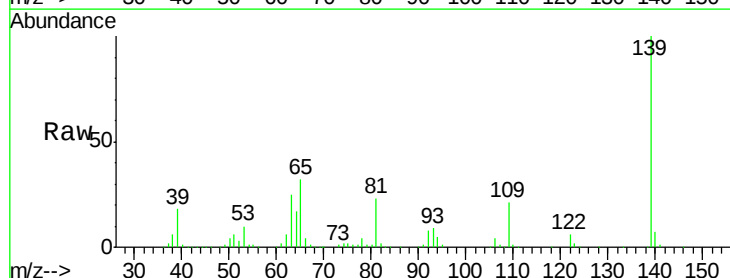
Tgt Ion: 139 Resp: 386046

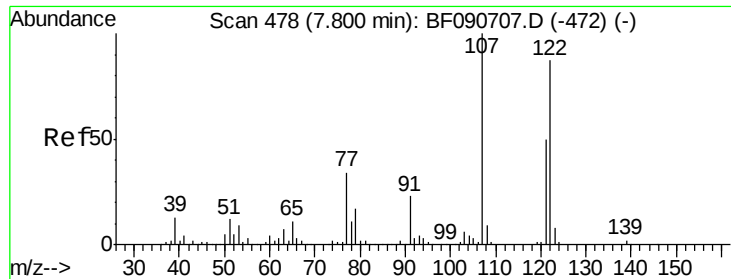
Ion Ratio Lower Upper

139 100

109 20.8 11.0 16.4#

65 31.9 24.7 37.1





#27

2,4-Dimethylphenol

Concen: 55.34 ng

RT: 7.76 min Scan# 496

Delta R.T. 0.00 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMSD

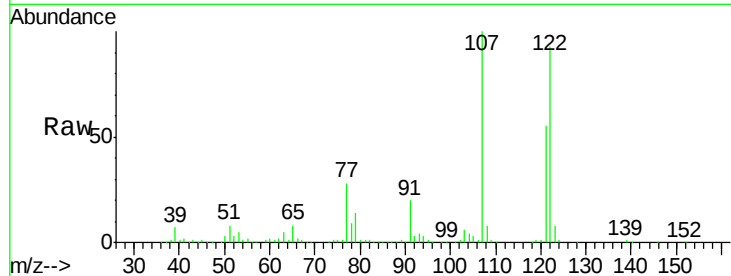
Tgt Ion:122 Resp: 624061

Ion Ratio Lower Upper

122 100

107 107.4 71.8 107.6

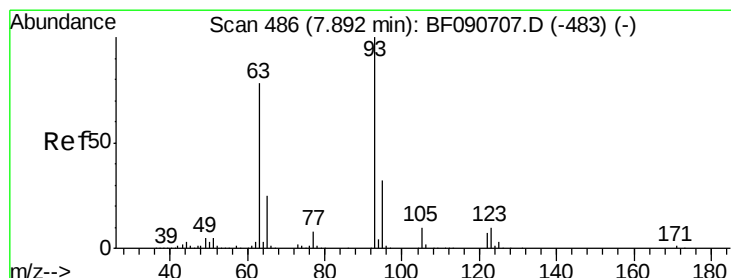
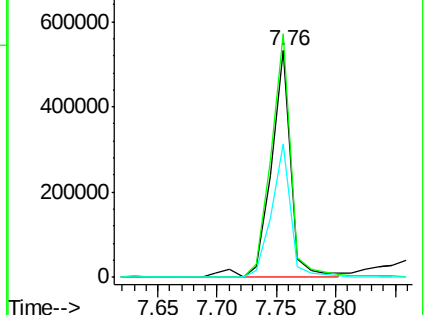
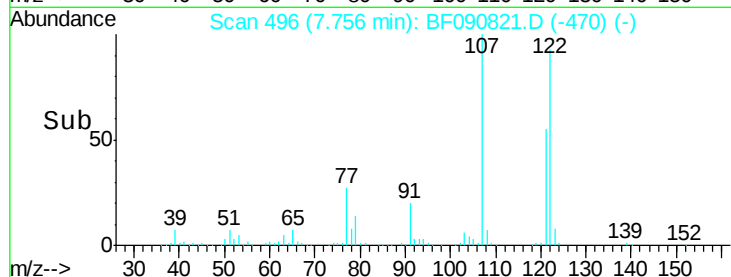
121 58.7 42.3 63.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 52.94 ng

RT: 7.85 min Scan# 504

Delta R.T. 0.00 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

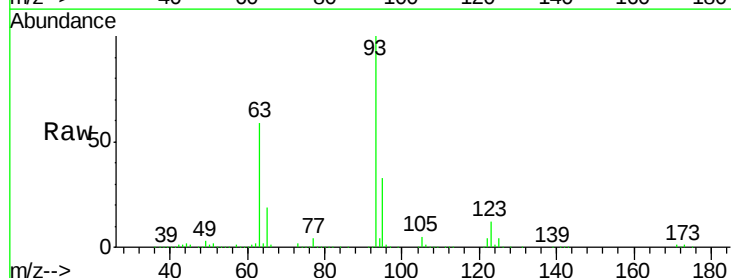
Tgt Ion: 93 Resp: 787203

Ion Ratio Lower Upper

93 100

95 33.4 27.5 41.3

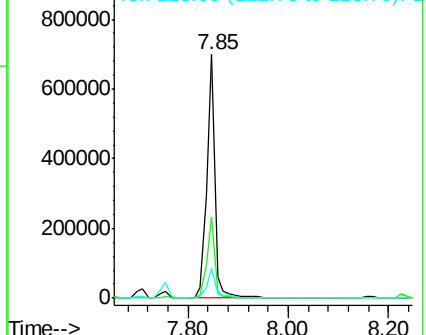
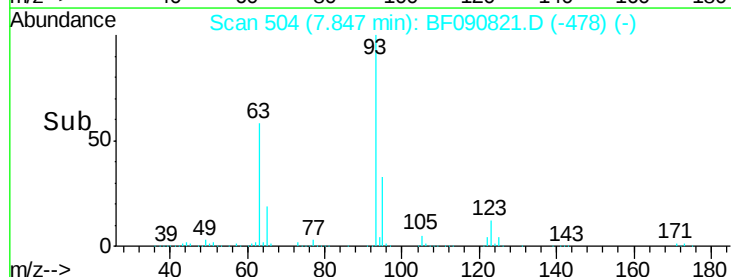
123 12.2 13.7 20.5#

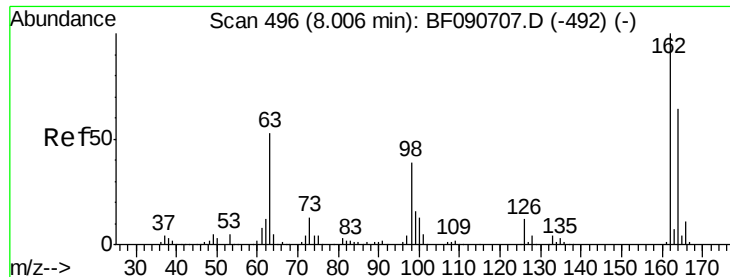


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

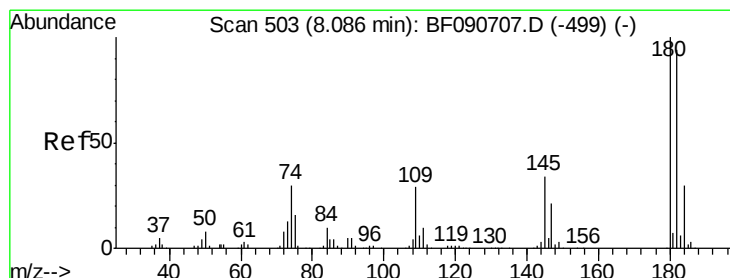
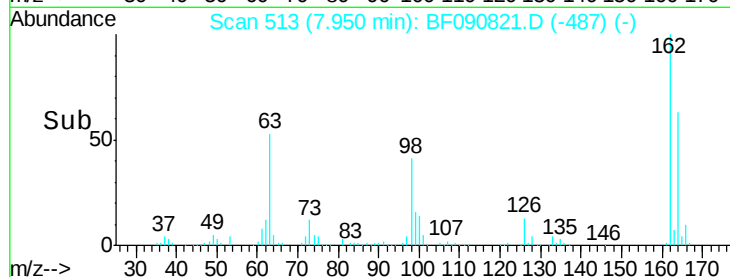
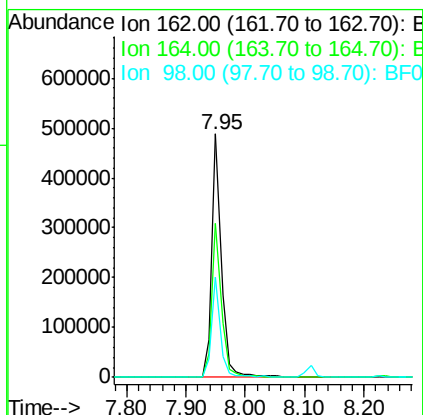
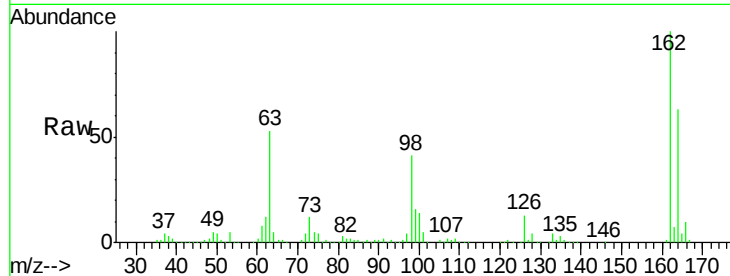




#29
 2,4-Dichlorophenol
 Concen: 59.38 ng
 RT: 7.95 min Scan# 513
 Delta R.T. 0.00 min
 Lab File: BF090821.D
 Acq: 25 Oct 2016 21:34

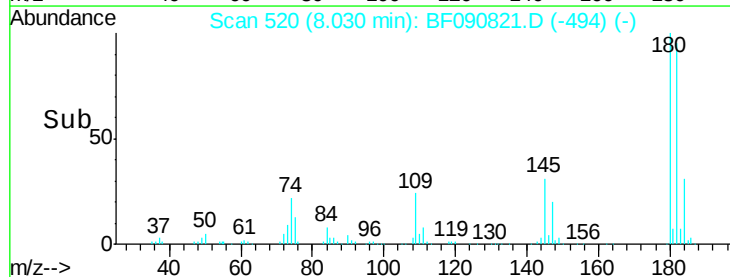
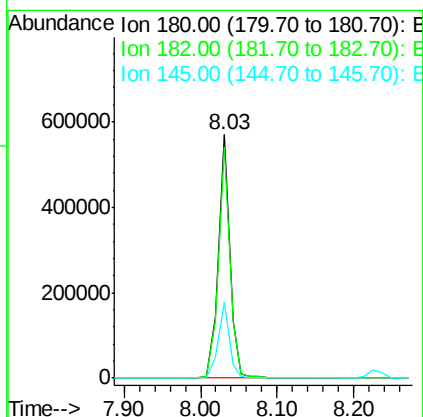
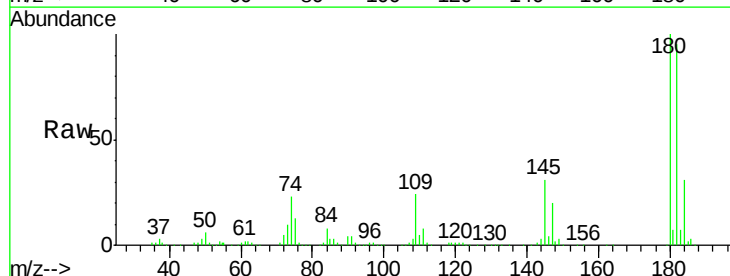
Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-NORTHMSD

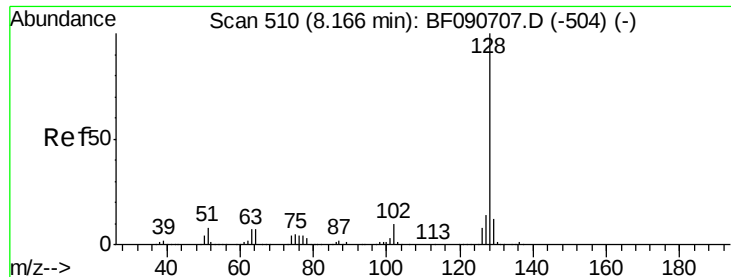
Tgt Ion:162 Resp: 549494
 Ion Ratio Lower Upper
 162 100
 164 63.1 44.9 84.9
 98 41.1 13.0 53.0



#30
 1,2,4-Trichlorobenzene
 Concen: 55.31 ng
 RT: 8.03 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: BF090821.D
 Acq: 25 Oct 2016 21:34

Tgt Ion:180 Resp: 602444
 Ion Ratio Lower Upper
 180 100
 182 94.9 77.1 115.7
 145 31.3 23.3 34.9

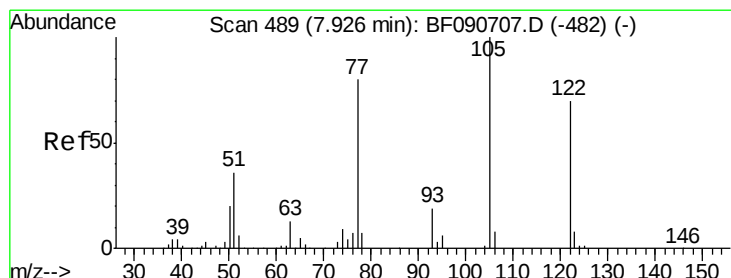
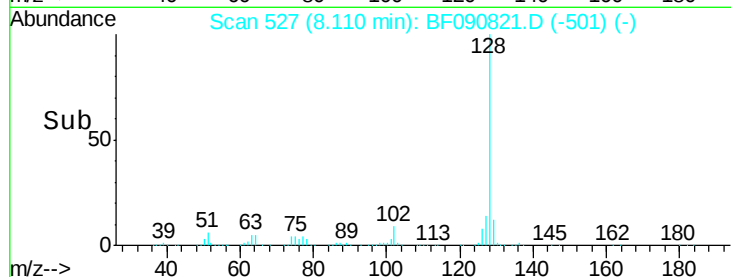
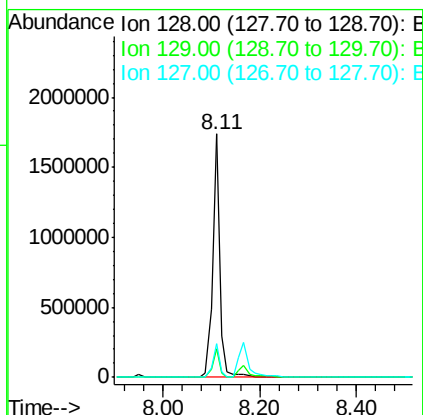
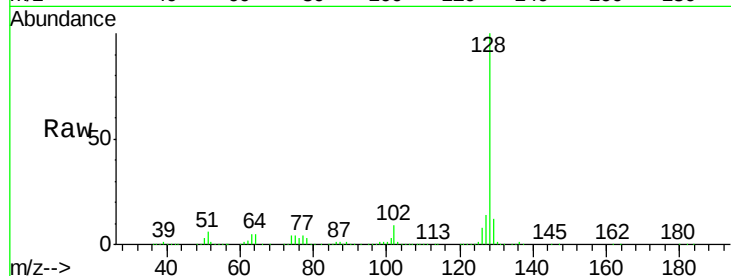




#31
Naphthalene
Concen: 48.15 ng
RT: 8.11 min Scan# 527
Delta R.T. 0.00 min
Lab File: BF090821.D
Acq: 25 Oct 2016 21:34

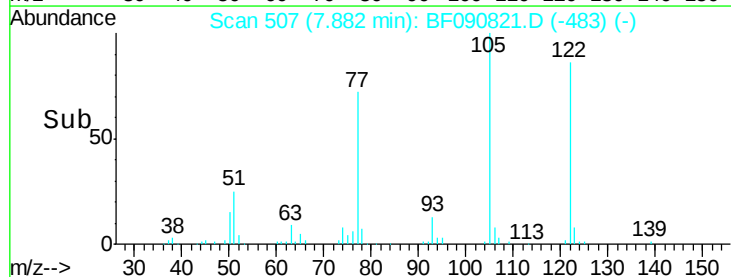
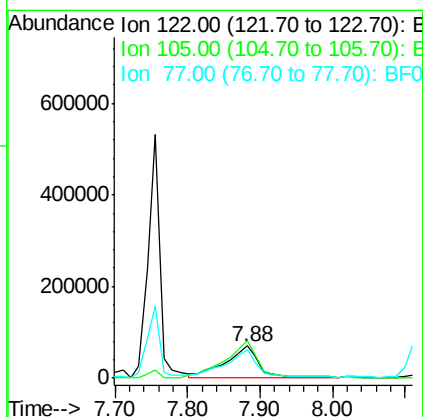
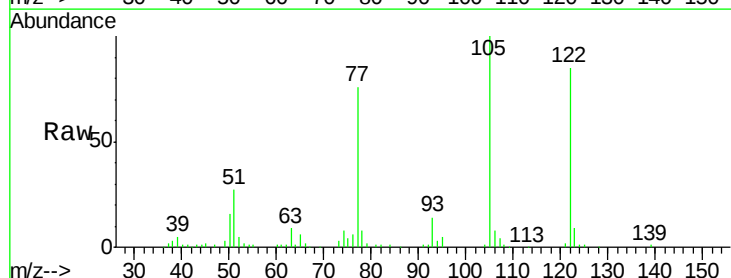
Instrument :
BNA_F
ClientSampleId :
BOTTOM-NORTHMSD

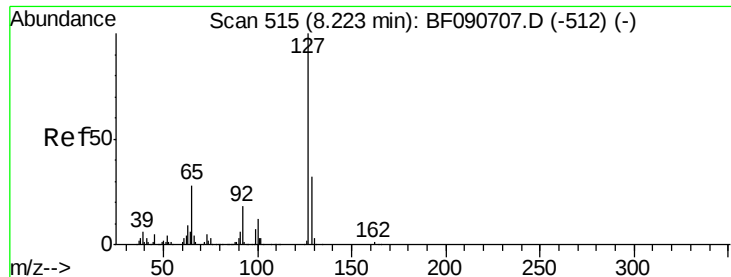
Tgt Ion:128 Resp: 1854884
Ion Ratio Lower Upper
128 100
129 11.9 8.4 12.6
127 13.9 9.9 14.9



#32
Benzoic acid
Concen: 30.68 ng
RT: 7.88 min Scan# 507
Delta R.T. -0.02 min
Lab File: BF090821.D
Acq: 25 Oct 2016 21:34

Tgt Ion:122 Resp: 218163
Ion Ratio Lower Upper
122 100
105 117.7 76.1 116.1#
77 89.1 40.5 80.5#

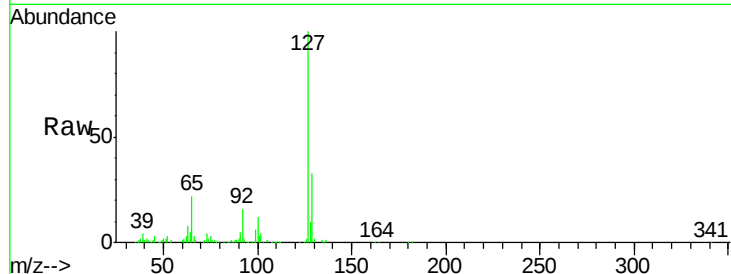




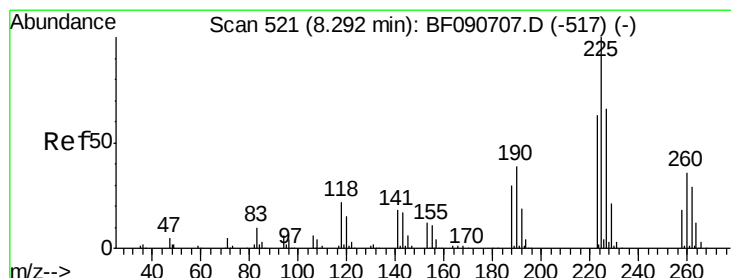
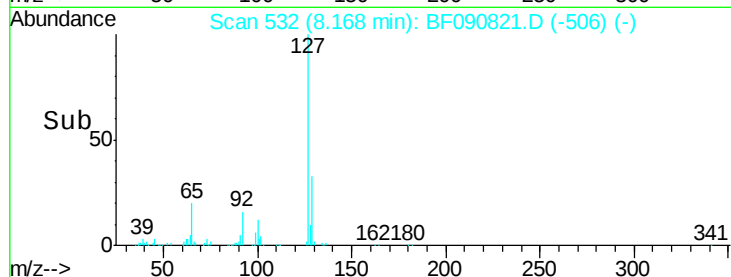
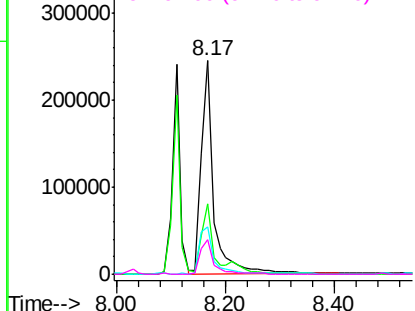
#33
4-Chloroaniline
Concen: 26.68 ng
RT: 8.17 min Scan# 532
Delta R.T. 0.00 min
Lab File: BF090821.D
Acq: 25 Oct 2016 21:34

Instrument :
BNA_F
ClientSampleId :
BOTTOM-NORTHMSD

Tgt Ion:	127	Resp:	381258
Ion	Ratio	Lower	Upper
127	100		
129	33.0	25.8	38.6
65	22.5	17.9	26.9
92	16.5	10.5	15.7#

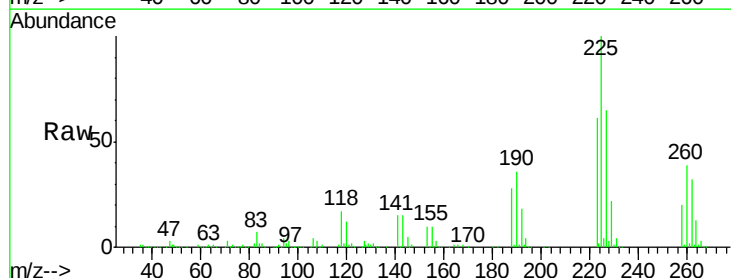


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

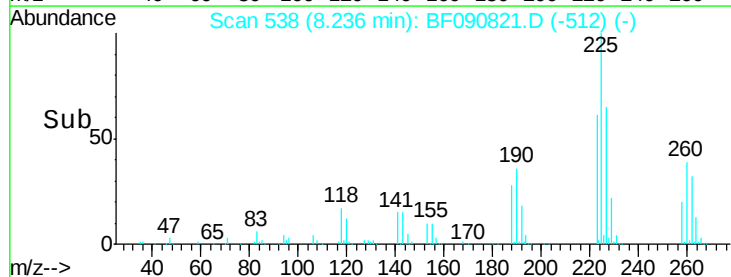
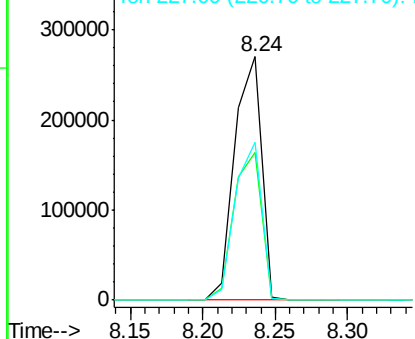


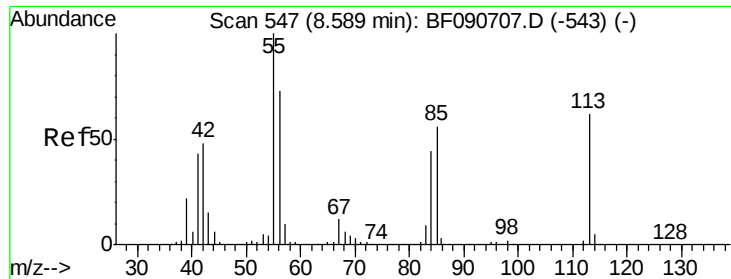
#34
Hexachlorobutadiene
Concen: 56.73 ng
RT: 8.24 min Scan# 538
Delta R.T. 0.00 min
Lab File: BF090821.D
Acq: 25 Oct 2016 21:34

Tgt Ion:	225	Resp:	347405
Ion	Ratio	Lower	Upper
225	100		
223	60.9	50.2	75.2
227	64.7	52.2	78.2



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

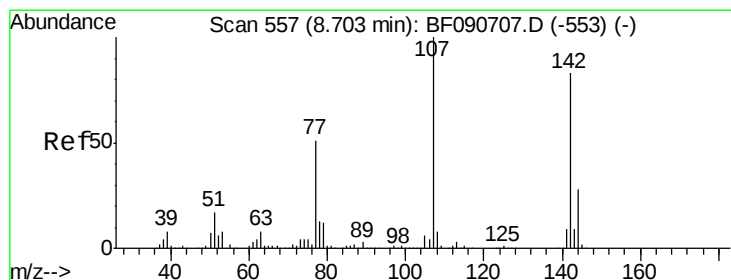
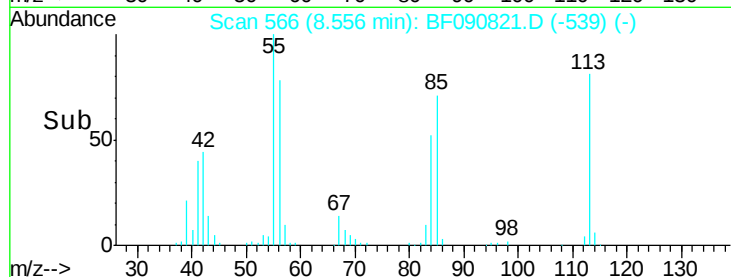
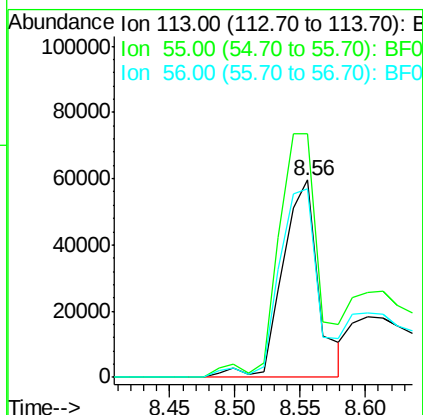
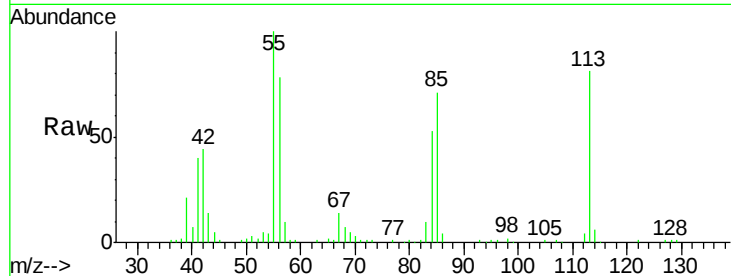




#35
 Caprolactam
 Concen: 43.37 ng
 RT: 8.56 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: BF090821.D
 Acq: 25 Oct 2016 21:34

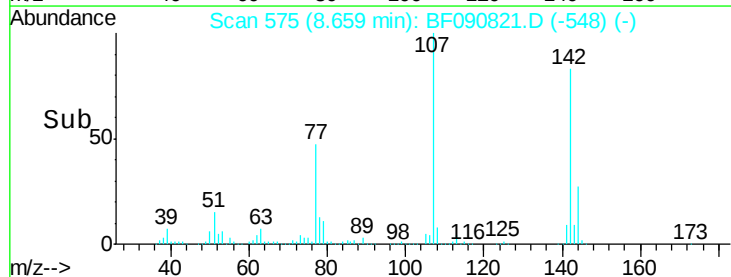
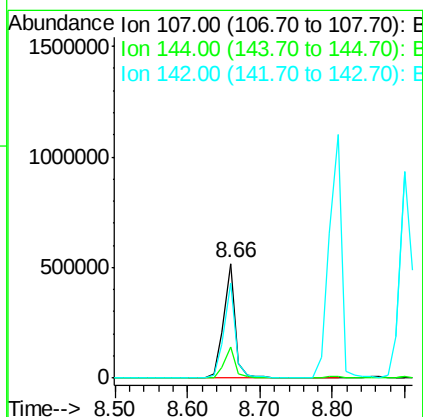
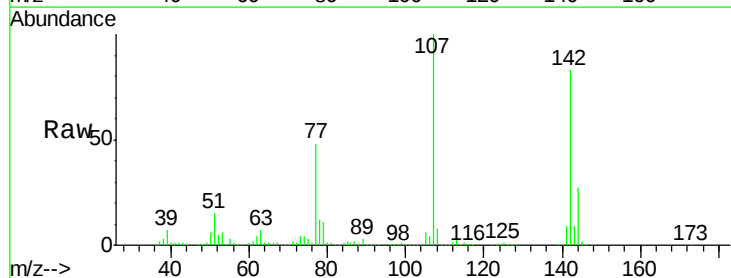
Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-NORTHMSD

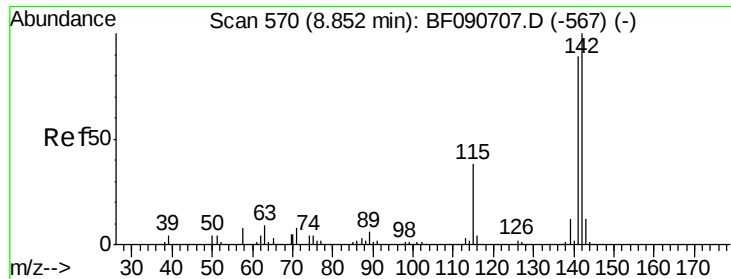
Tgt Ion:113 Resp: 114638
 Ion Ratio Lower Upper
 113 100
 55 123.3 152.4 192.4#
 56 95.6 104.6 144.6#



#36
 4-Chloro-3-methylphenol
 Concen: 54.63 ng
 RT: 8.66 min Scan# 575
 Delta R.T. 0.01 min
 Lab File: BF090821.D
 Acq: 25 Oct 2016 21:34

Tgt Ion:107 Resp: 587992
 Ion Ratio Lower Upper
 107 100
 144 26.9 25.4 38.0
 142 83.3 77.3 115.9

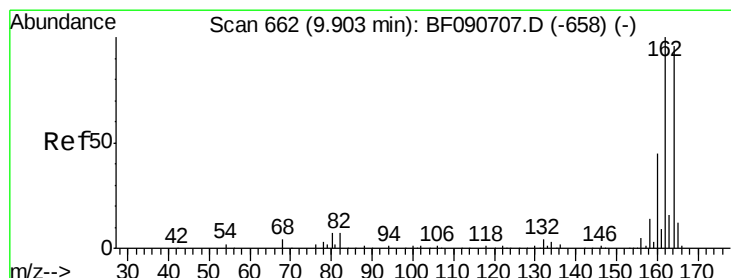
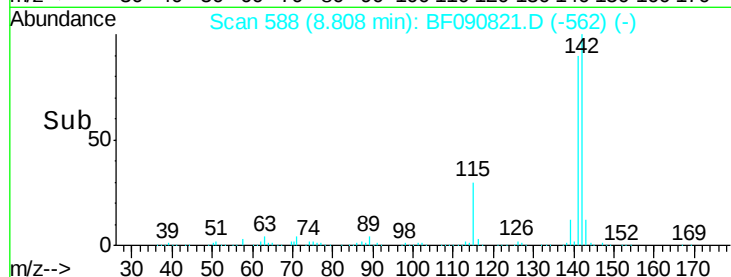
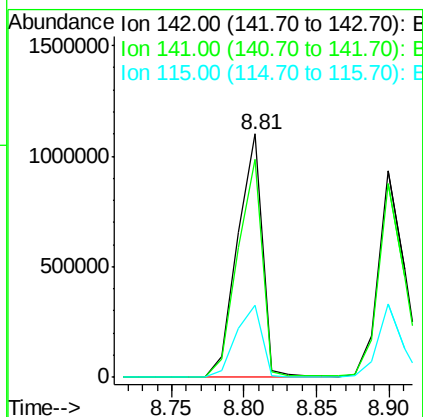
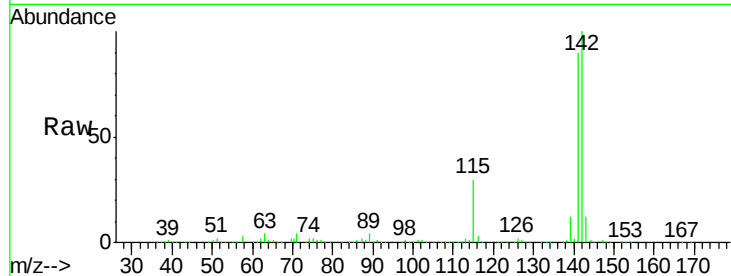




#37
 2-Methylnaphthalene
 Concen: 58.18 ng
 RT: 8.81 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: BF090821.D
 Acq: 25 Oct 2016 21:34

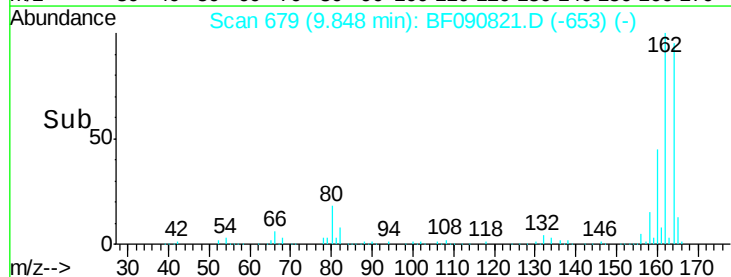
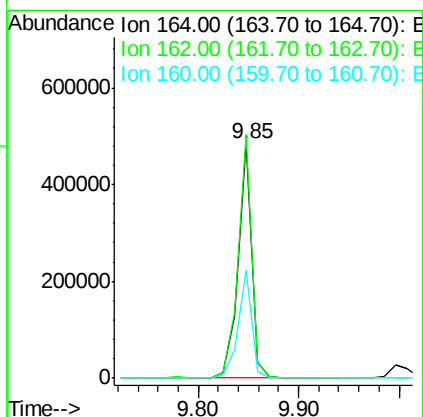
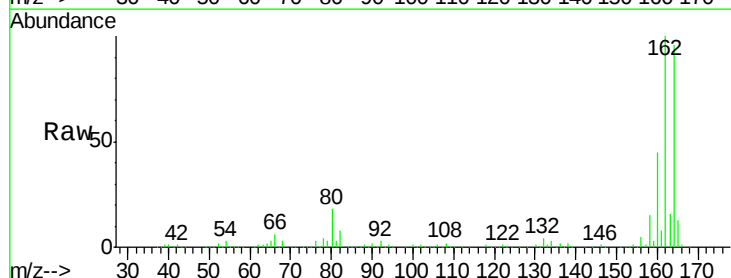
Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-NORTHMSD

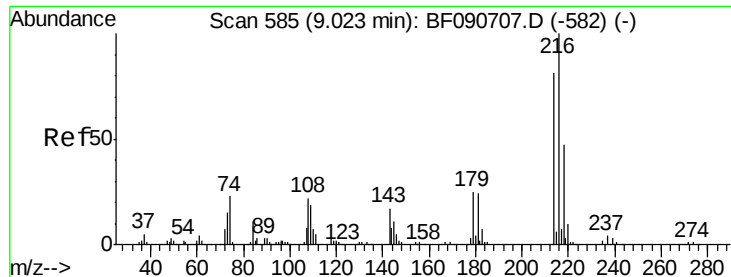
Tgt Ion:142 Resp: 1309961
 Ion Ratio Lower Upper
 142 100
 141 89.8 67.5 101.3
 115 29.5 18.2 27.2#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: BF090821.D
 Acq: 25 Oct 2016 21:34

Tgt Ion:164 Resp: 455330
 Ion Ratio Lower Upper
 164 100
 162 103.8 75.2 112.8
 160 46.3 31.5 47.3

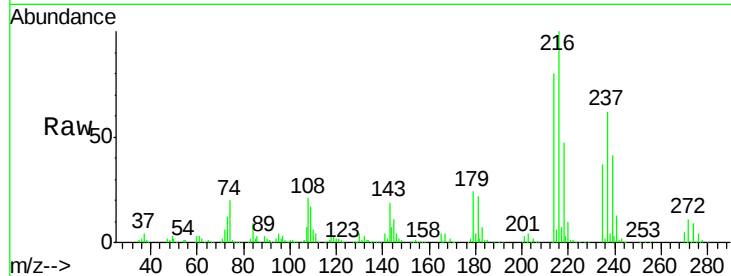




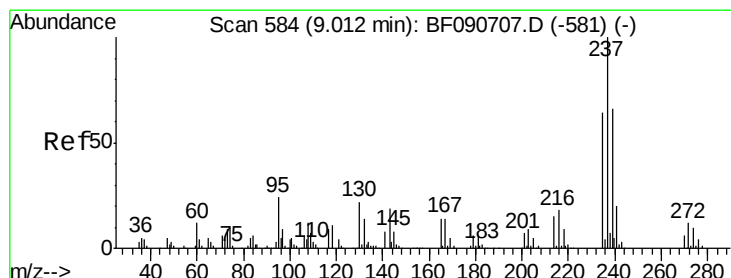
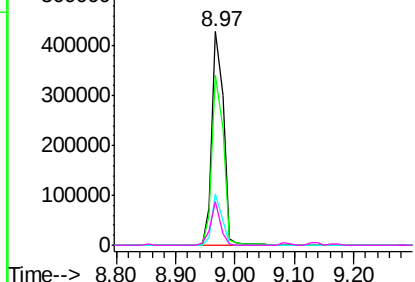
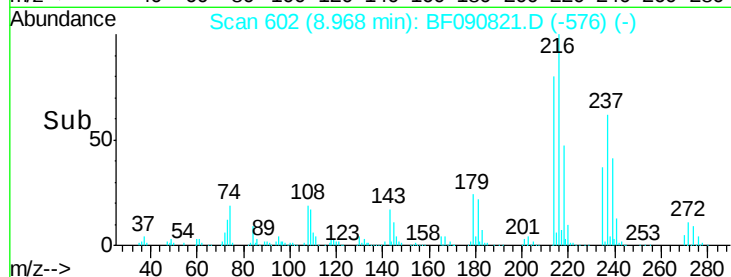
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 46.96 ng
 RT: 8.97 min Scan# 602
 Delta R.T. 0.00 min
 Lab File: BF090821.D
 Acq: 25 Oct 2016 21:34

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-NORTHMSD

Tgt Ion:	216	Resp:	577375
Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.5	95.3
179	21.0	16.6	24.8
108	17.6	16.3	24.5

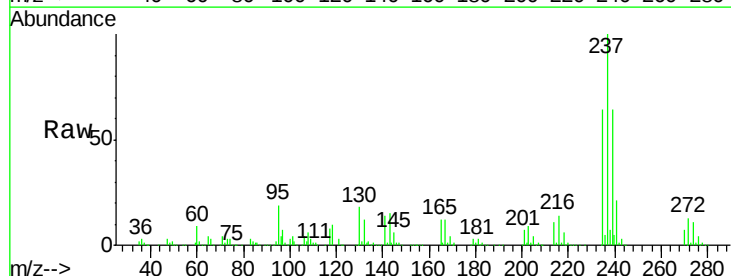


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

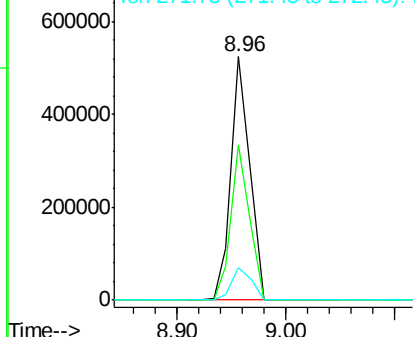
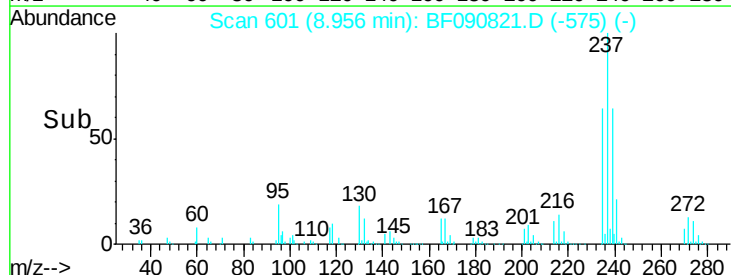


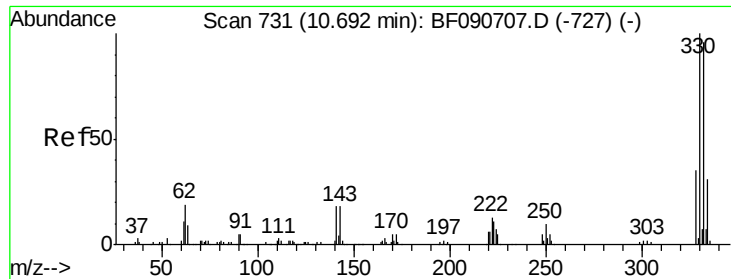
#40
 Hexachlorocyclopentadiene
 Concen: 107.58 ng
 RT: 8.96 min Scan# 601
 Delta R.T. 0.00 min
 Lab File: BF090821.D
 Acq: 25 Oct 2016 21:34

Tgt Ion:	237	Resp:	620964
Ion	Ratio	Lower	Upper
237	100		
235	63.7	42.0	82.0
272	13.3	0.0	36.1



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E

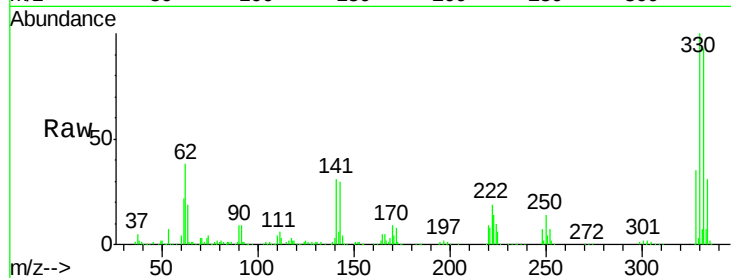




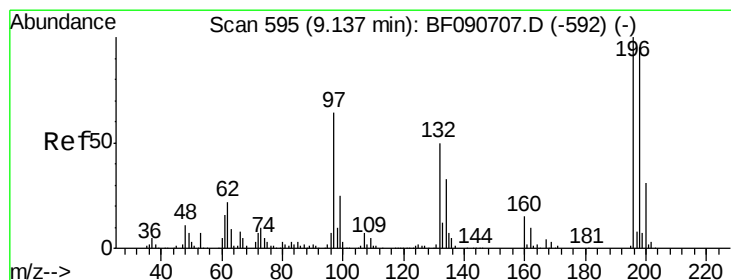
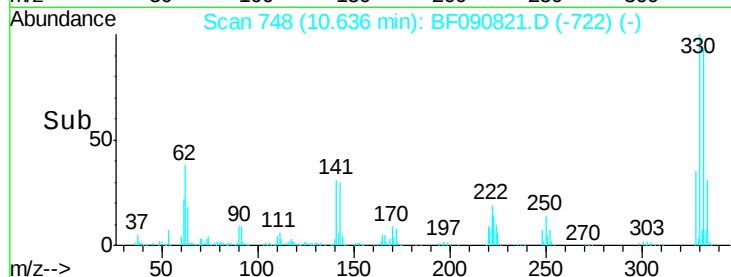
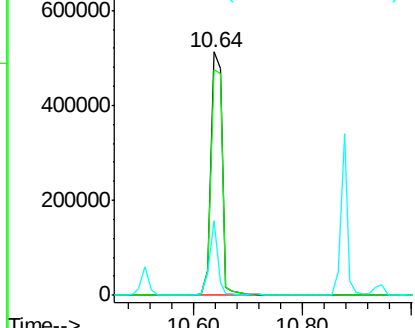
#41
 2,4,6-Tribromophenol
 Concen: 209.47 ng
 RT: 10.64 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: BF090821.D
 Acq: 25 Oct 2016 21:34

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-NORTHMSD

Tgt Ion:330 Resp: 754902
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.6 114.8
 141 21.9 29.7 44.5#

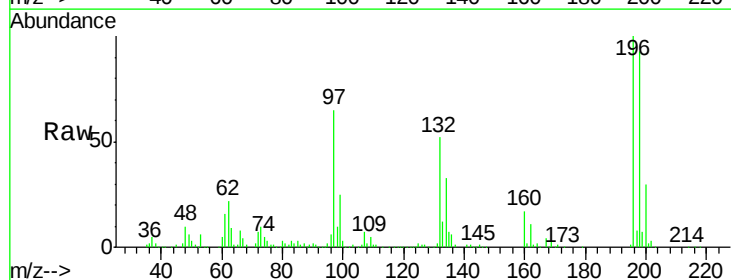


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

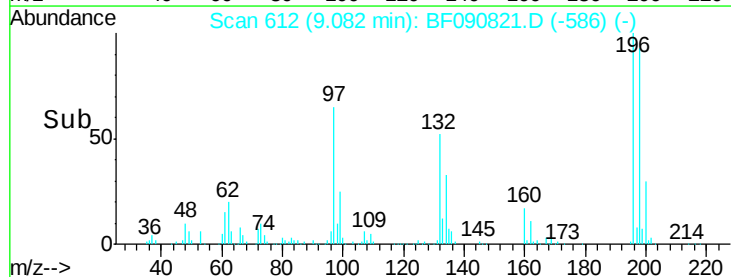
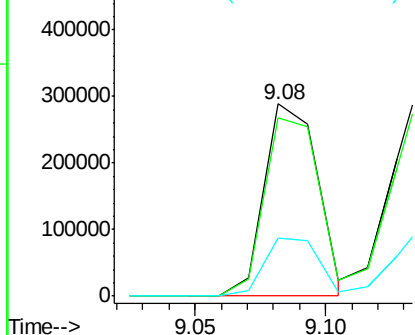


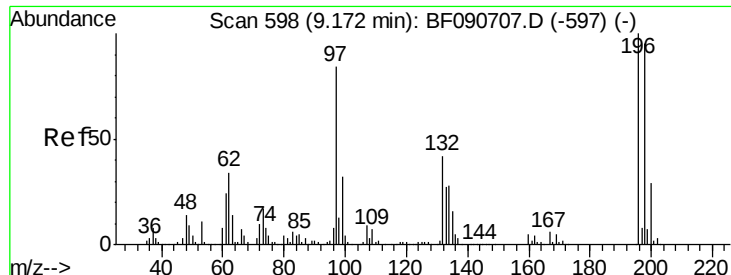
#42
 2,4,6-Trichlorophenol
 Concen: 53.81 ng
 RT: 9.08 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: BF090821.D
 Acq: 25 Oct 2016 21:34

Tgt Ion:196 Resp: 410251
 Ion Ratio Lower Upper
 196 100
 198 93.0 75.7 113.5
 200 30.1 23.9 35.9



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

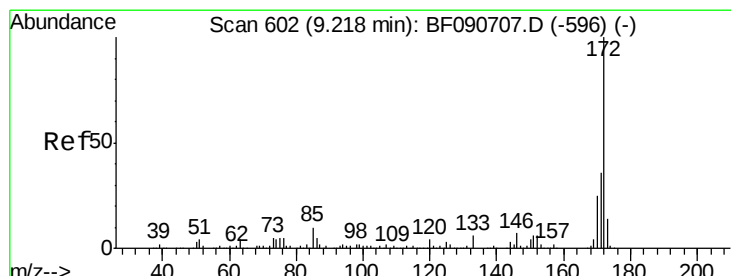
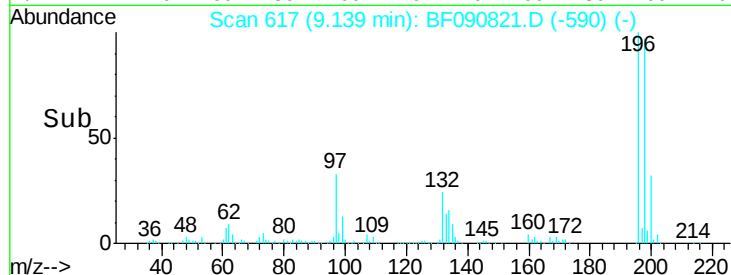
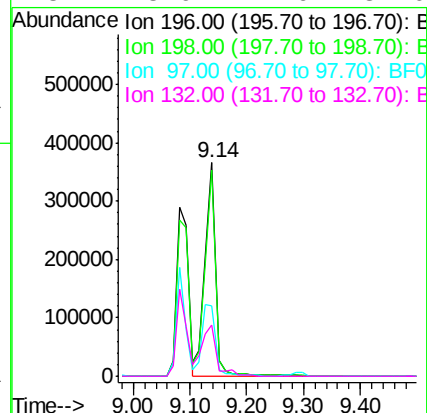
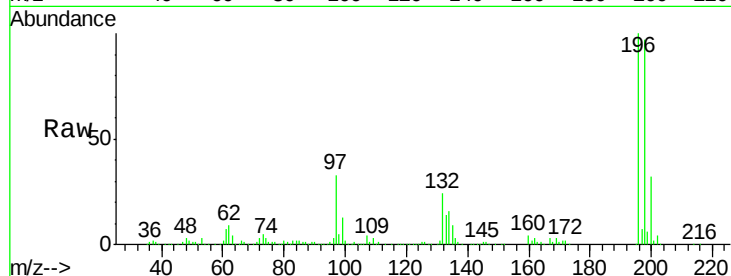




#43
 2,4,5-Trichlorophenol
 Concen: 60.04 ng
 RT: 9.14 min Scan# 617
 Delta R.T. 0.01 min
 Lab File: BF090821.D
 Acq: 25 Oct 2016 21:34

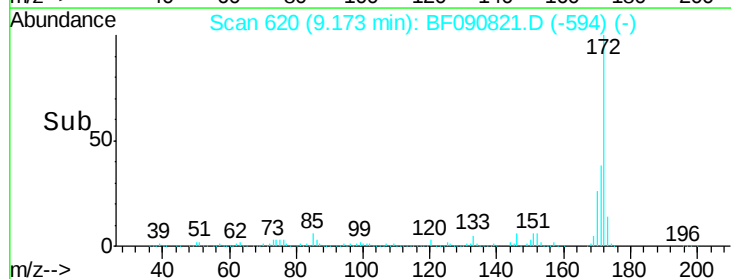
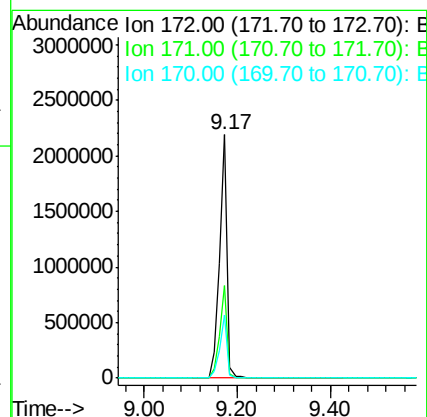
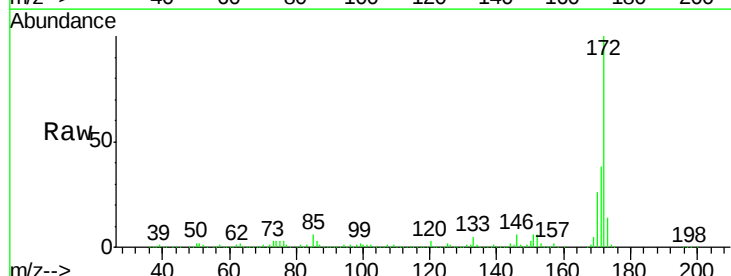
Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-NORTHMSD

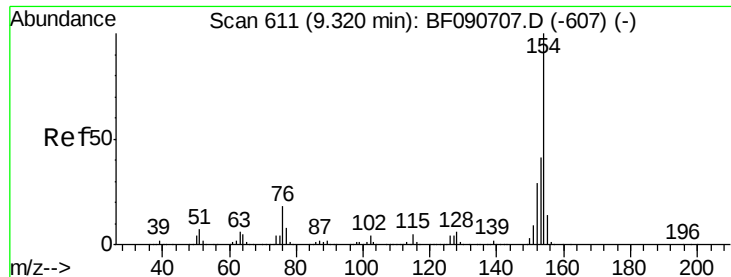
Tgt Ion:196 Resp: 464558
 Ion Ratio Lower Upper
 196 100
 198 96.7 75.4 113.0
 97 33.1 33.3 49.9#
 132 23.9 24.6 37.0#



#44
 2-Fluorobiphenyl
 Concen: 84.98 ng
 RT: 9.17 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: BF090821.D
 Acq: 25 Oct 2016 21:34

Tgt Ion:172 Resp: 2492575
 Ion Ratio Lower Upper
 172 100
 171 37.8 26.1 39.1
 170 25.9 17.4 26.2

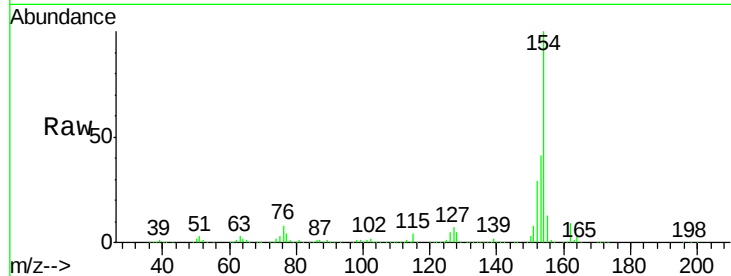




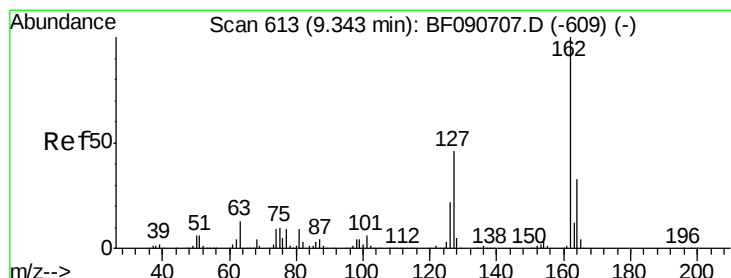
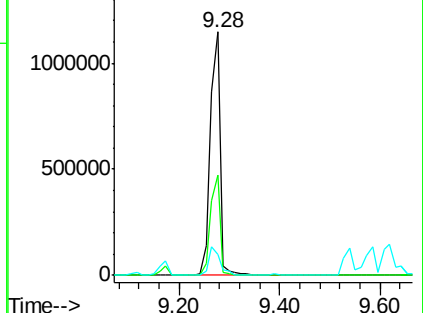
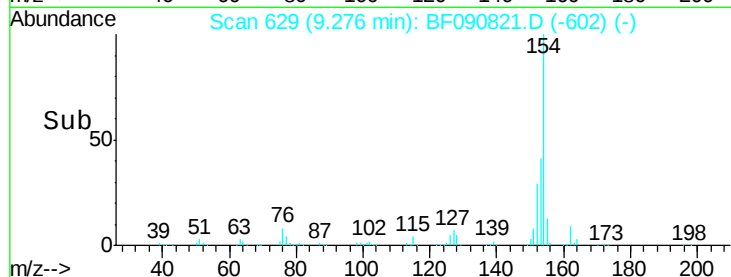
#45
 1,1'-Biphenyl
 Concen: 43.61 ng
 RT: 9.28 min Scan# 629
 Delta R.T. 0.01 min
 Lab File: BF090821.D
 Acq: 25 Oct 2016 21:34

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-NORTHMSD

Tgt Ion:154 Resp: 1559425
 Ion Ratio Lower Upper
 154 100
 153 41.4 17.1 57.1
 76 8.4 0.0 31.6

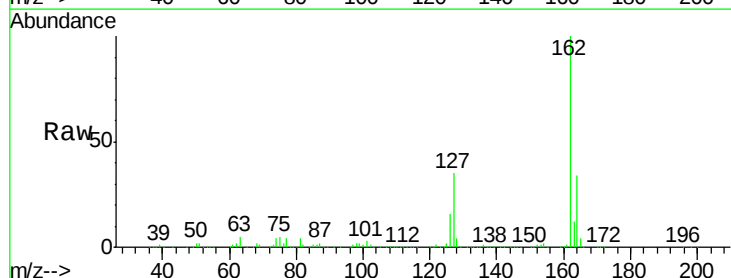


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

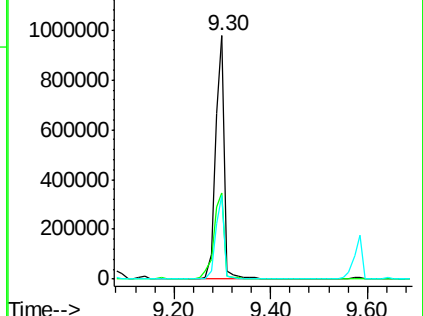
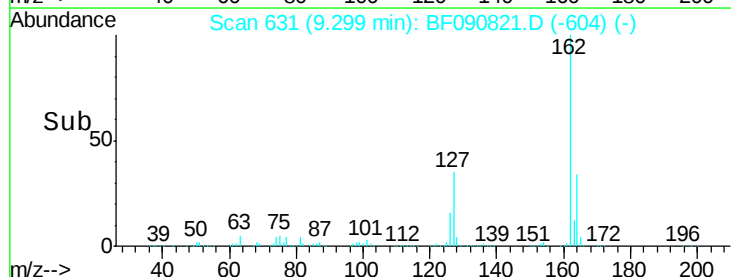


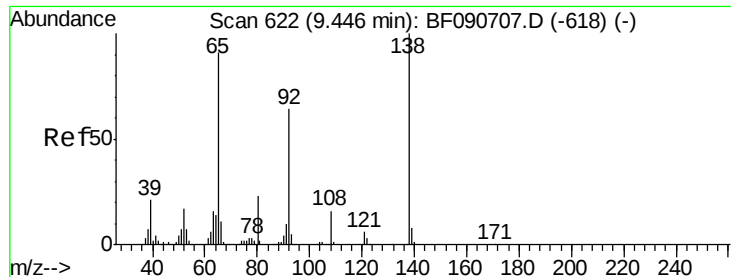
#46
 2-Chloronaphthalene
 Concen: 47.80 ng
 RT: 9.30 min Scan# 631
 Delta R.T. 0.01 min
 Lab File: BF090821.D
 Acq: 25 Oct 2016 21:34

Tgt Ion:162 Resp: 1270474
 Ion Ratio Lower Upper
 162 100
 127 35.4 27.6 41.4
 164 34.4 25.4 38.2



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 35.85 ng

RT: 9.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMSD

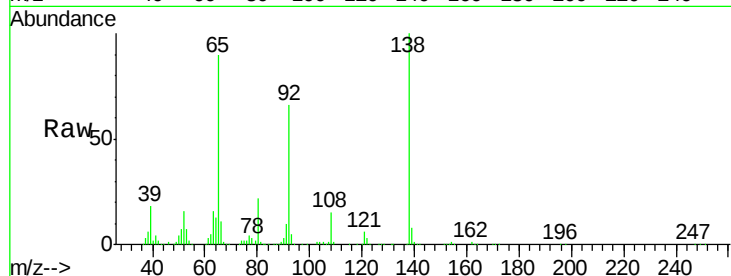
Tgt Ion: 65 Resp: 316232

Ion Ratio Lower Upper

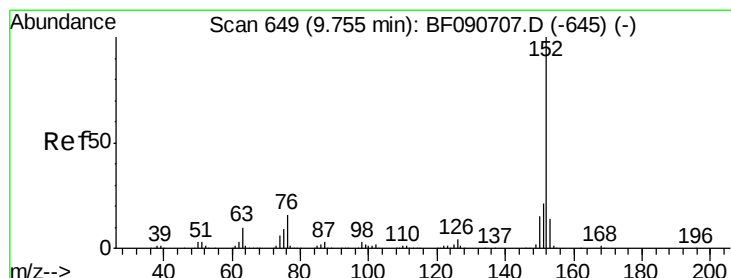
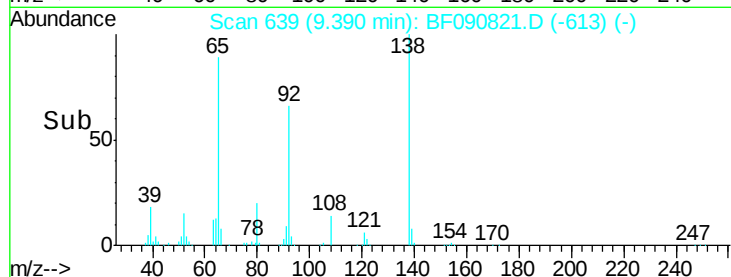
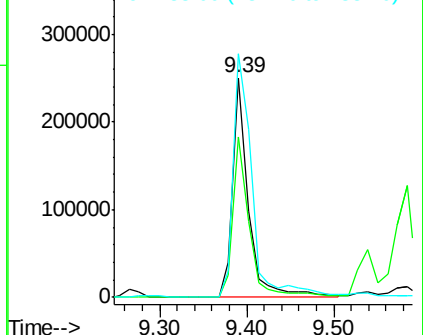
65 100

92 72.9 55.4 83.0

138 111.0 115.5 173.3#



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E



#48

Acenaphthylene

Concen: 46.02 ng

RT: 9.71 min Scan# 667

Delta R.T. 0.00 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

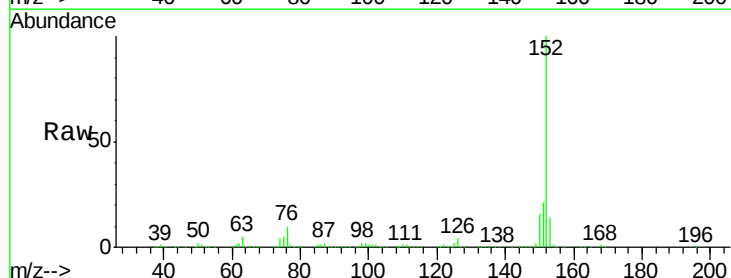
Tgt Ion: 152 Resp: 1866277

Ion Ratio Lower Upper

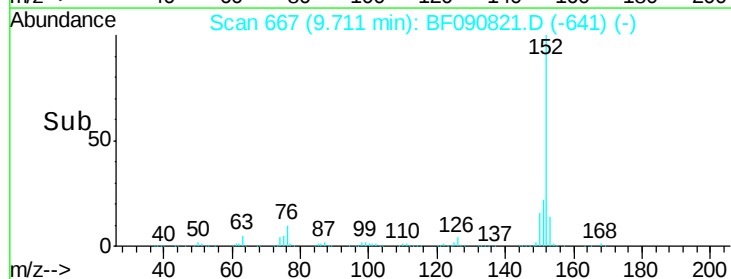
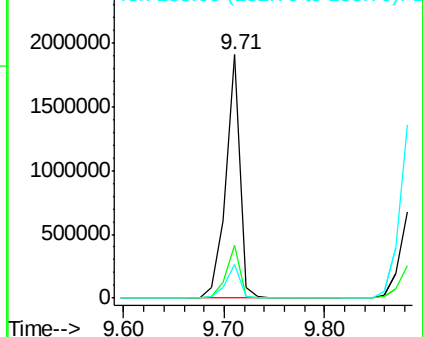
152 100

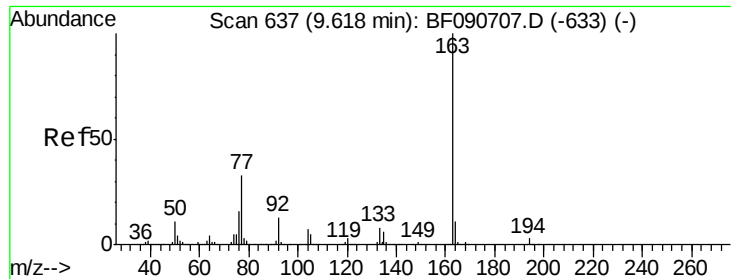
151 21.5 14.6 22.0

153 14.0 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 69.22 ng

RT: 9.58 min Scan# 656

Delta R.T. 0.01 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMSD

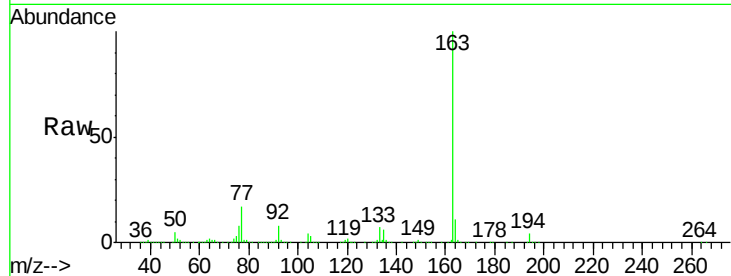
Tgt Ion:163 Resp: 1980500

Ion Ratio Lower Upper

163 100

194 4.1 4.4 6.6#

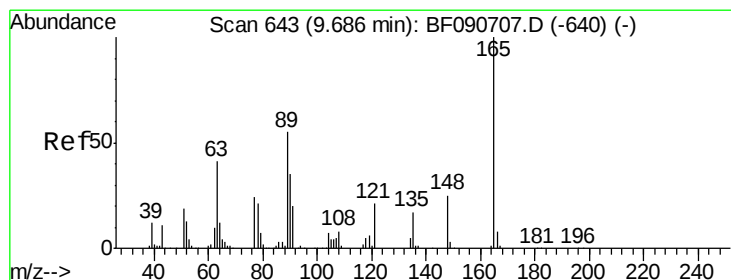
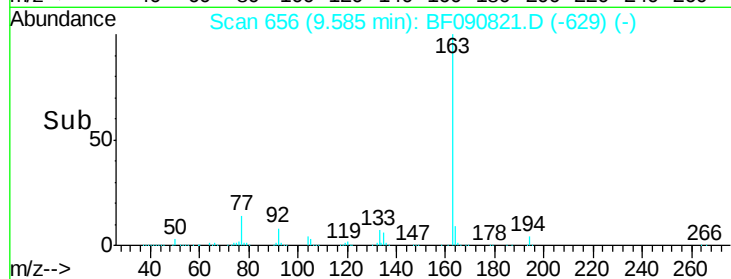
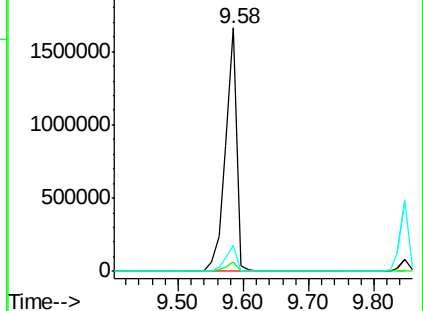
164 10.6 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 61.27 ng

RT: 9.64 min Scan# 661

Delta R.T. 0.01 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

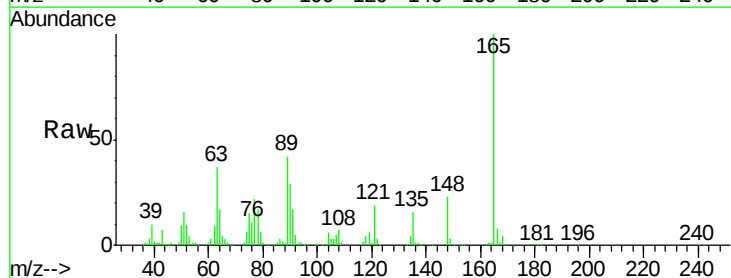
Tgt Ion:165 Resp: 376956

Ion Ratio Lower Upper

165 100

63 36.9 32.3 48.5

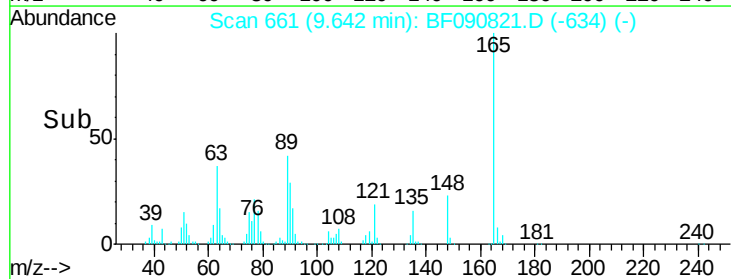
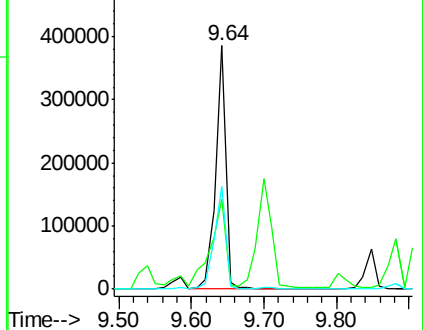
89 42.0 28.6 43.0

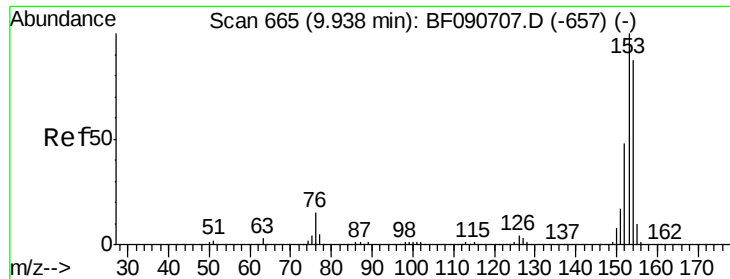


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 43.17 ng

RT: 9.88 min Scan# 682

Delta R.T. 0.00 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMSD

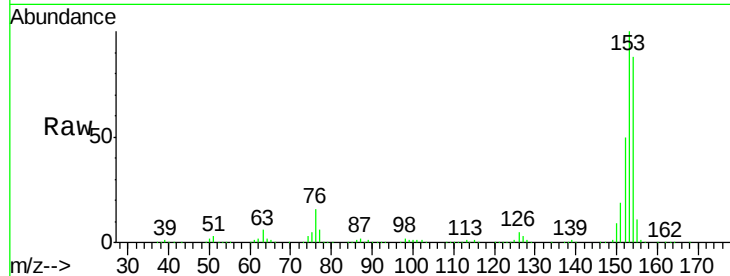
Tgt Ion:154 Resp: 1162208

Ion Ratio Lower Upper

154 100

153 113.5 82.1 123.1

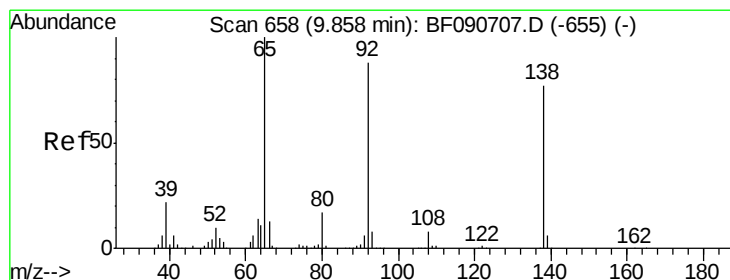
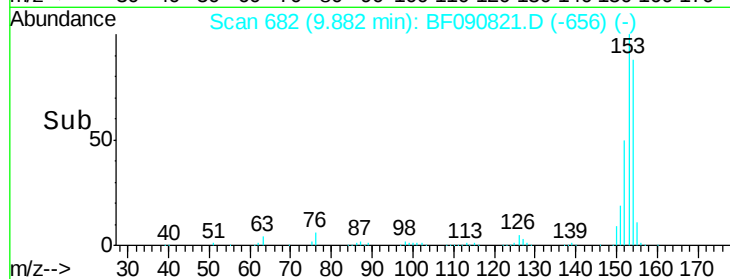
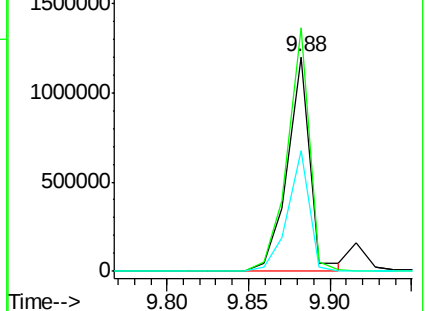
152 56.3 37.9 56.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 31.62 ng

RT: 9.80 min Scan# 675

Delta R.T. 0.00 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

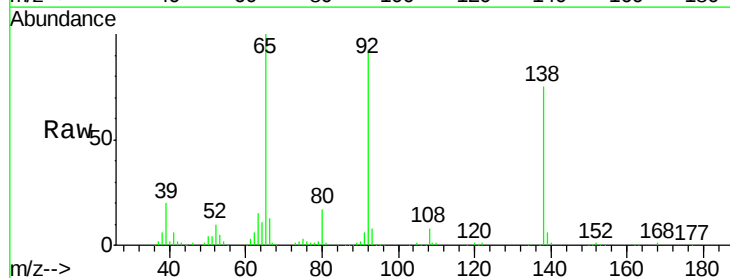
Tgt Ion:138 Resp: 223661

Ion Ratio Lower Upper

138 100

108 10.7 5.7 8.5#

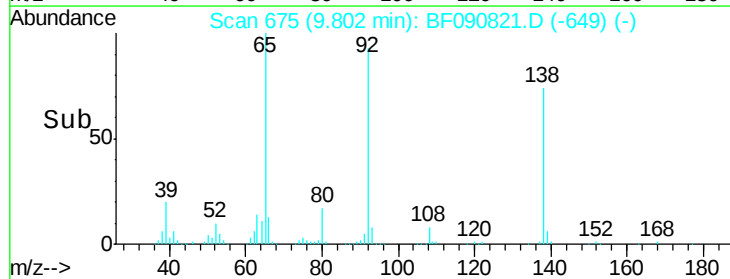
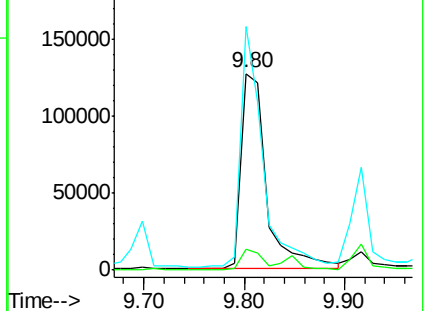
92 124.0 67.7 101.5#

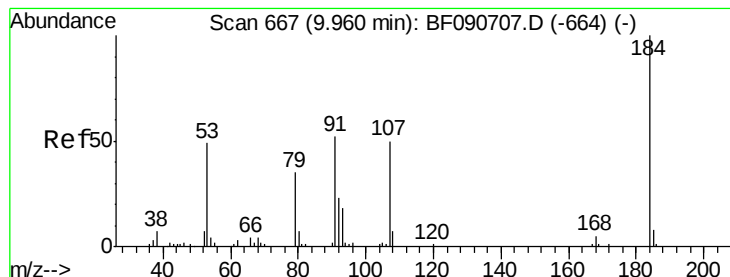


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 90.20 ng

RT: 9.92 min Scan# 685

Delta R.T. 0.01 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMSD

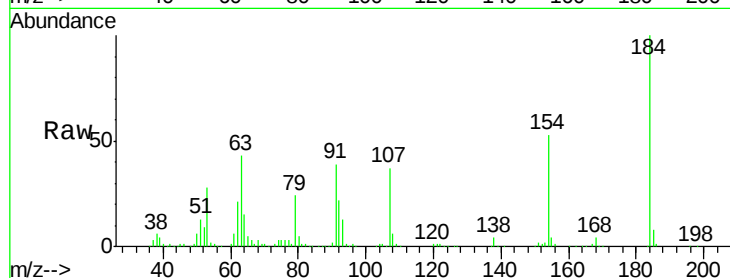
Tgt Ion:184 Resp: 338723

Ion Ratio Lower Upper

184 100

63 43.3 35.4 53.2

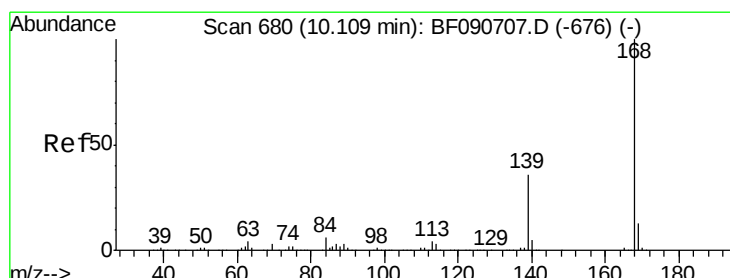
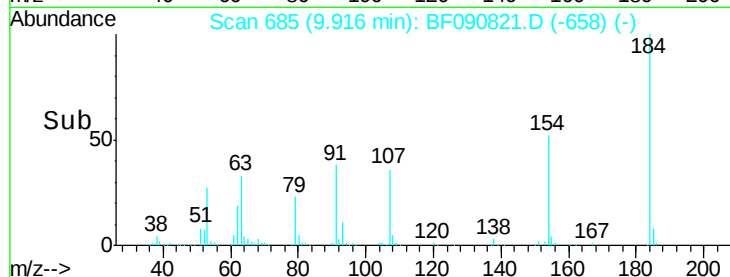
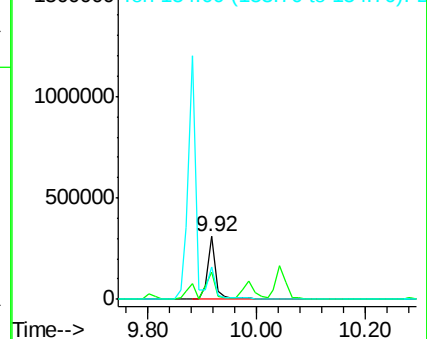
154 52.7 32.2 48.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 49.38 ng

RT: 10.05 min Scan# 697

Delta R.T. 0.00 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

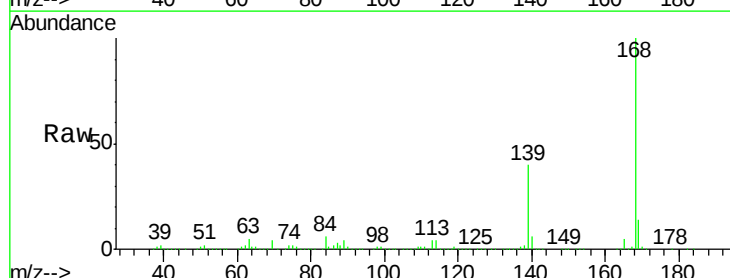
Tgt Ion:168 Resp: 1610224

Ion Ratio Lower Upper

168 100

139 40.3 24.2 36.2#

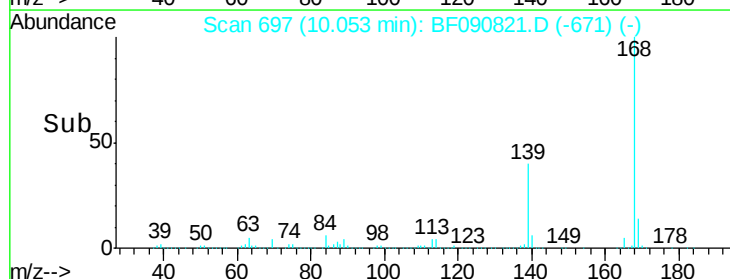
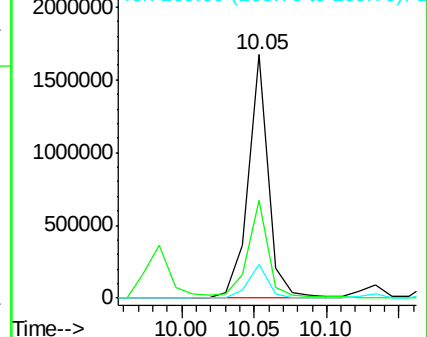
169 14.1 10.6 15.8

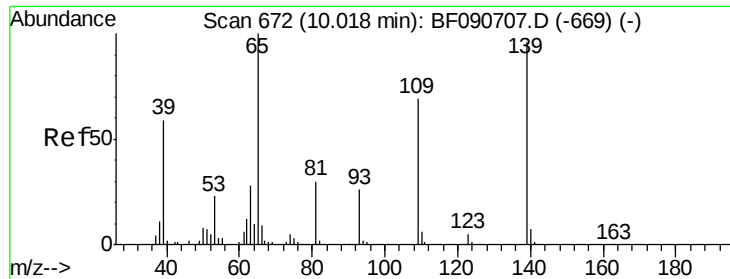


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

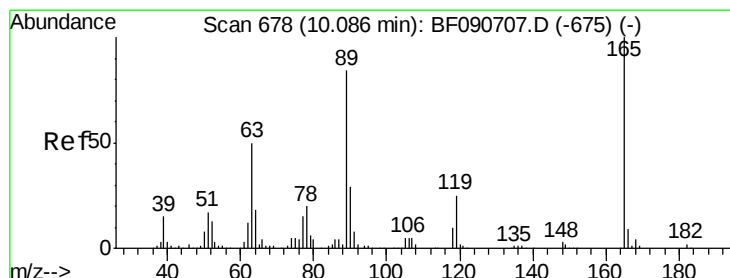
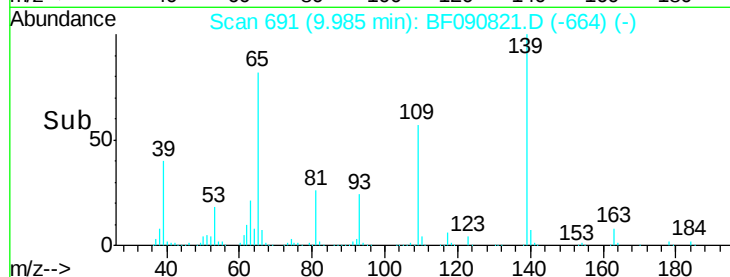
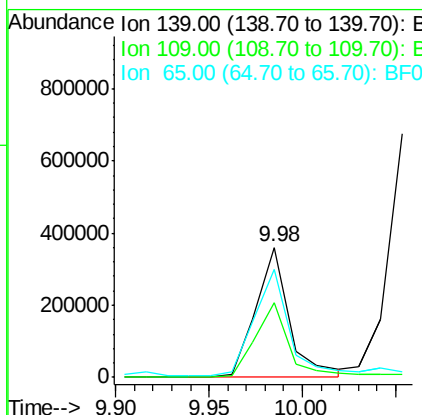
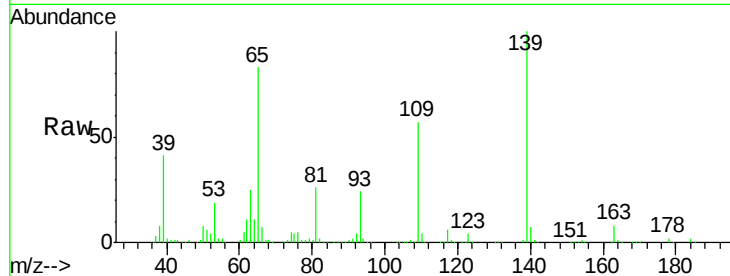




#55
4-Nitrophenol
Concen: 101.12 ng
RT: 9.98 min Scan# 691
Delta R.T. 0.01 min
Lab File: BF090821.D
Acq: 25 Oct 2016 21:34

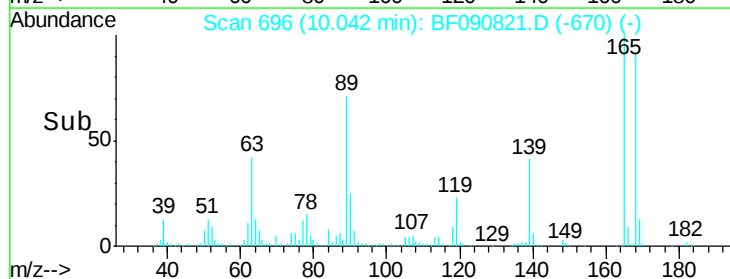
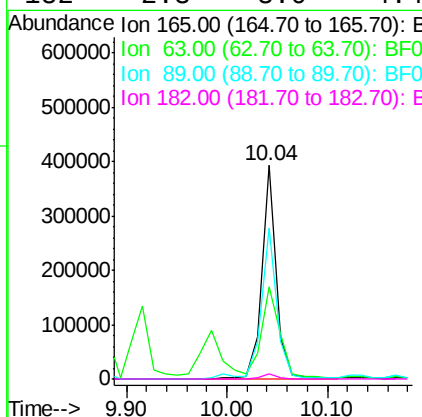
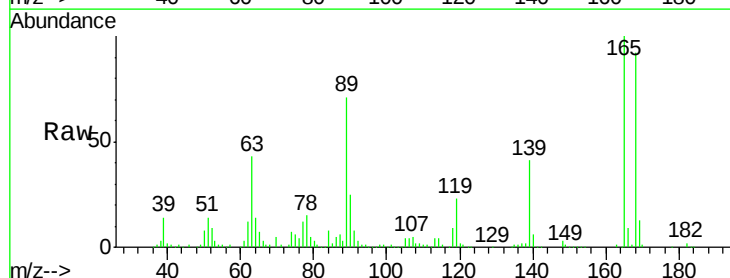
Instrument :
BNA_F
ClientSampleId :
BOTTOM-NORTHMSD

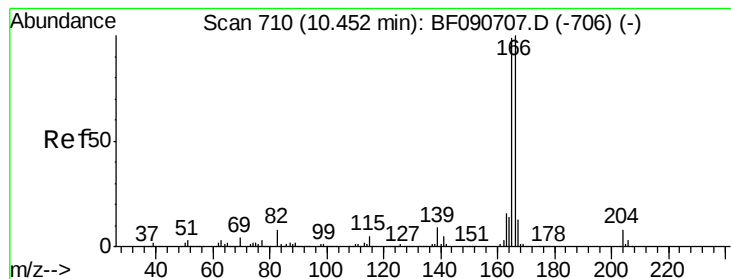
Tgt Ion:139 Resp: 446729
Ion Ratio Lower Upper
139 100
109 57.4 12.7 52.7#
65 82.9 45.9 85.9



#56
2,4-Dinitrotoluene
Concen: 52.48 ng
RT: 10.04 min Scan# 696
Delta R.T. 0.00 min
Lab File: BF090821.D
Acq: 25 Oct 2016 21:34

Tgt Ion:165 Resp: 394684
Ion Ratio Lower Upper
165 100
63 43.0 29.8 44.6
89 70.6 44.5 66.7#
182 2.3 3.0 4.4#





#57

Fluorene

Concen: 47.92 ng

RT: 10.40 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMSD

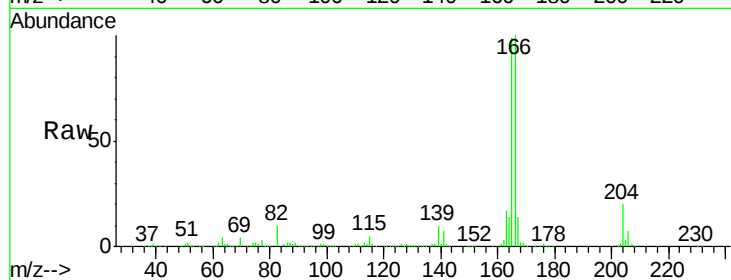
Tgt Ion:166 Resp: 1295210

Ion Ratio Lower Upper

166 100

165 99.4 72.6 109.0

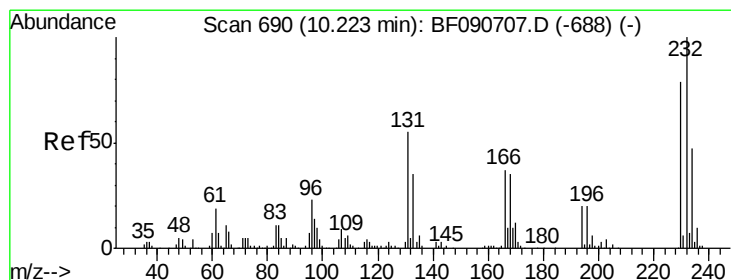
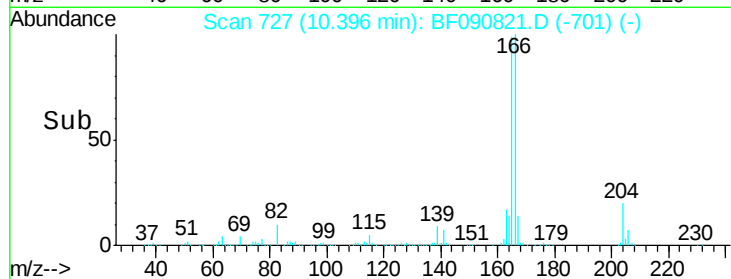
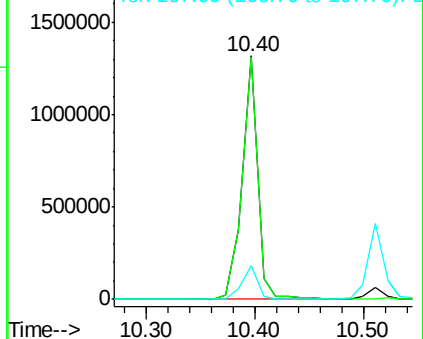
167 13.9 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 64.02 ng

RT: 10.18 min Scan# 708

Delta R.T. 0.01 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

Tgt Ion:232 Resp: 388709

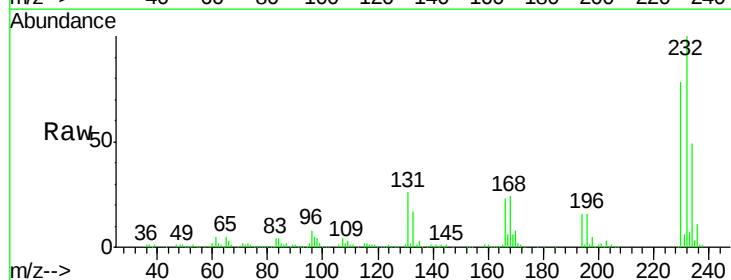
Ion Ratio Lower Upper

232 100

131 39.3 38.5 57.7

130 1.7 1.8 2.6#

166 27.9 25.0 37.6

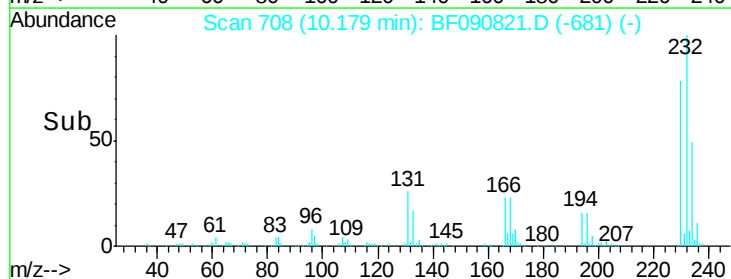
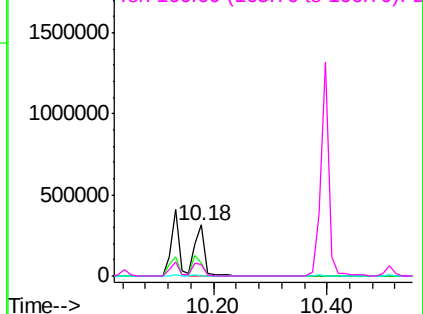


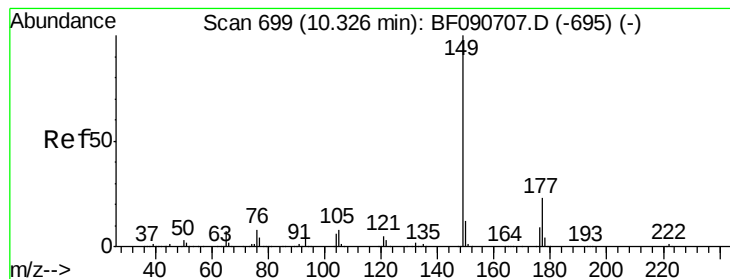
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 51.05 ng

RT: 10.28 min Scan# 717

Delta R.T. 0.01 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMSD

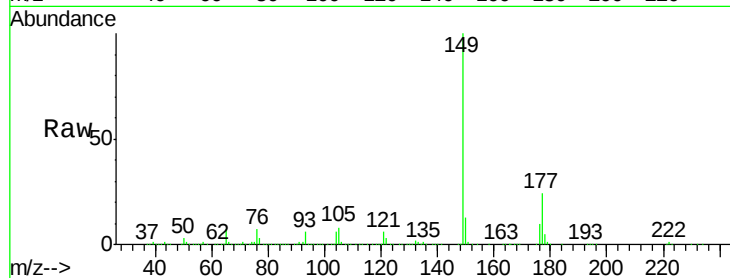
Tgt Ion:149 Resp: 1514823

Ion Ratio Lower Upper

149 100

177 24.0 17.5 26.3

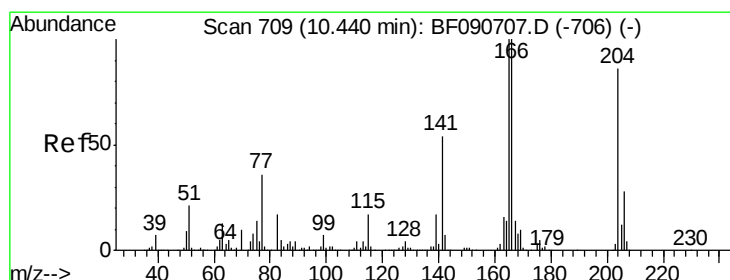
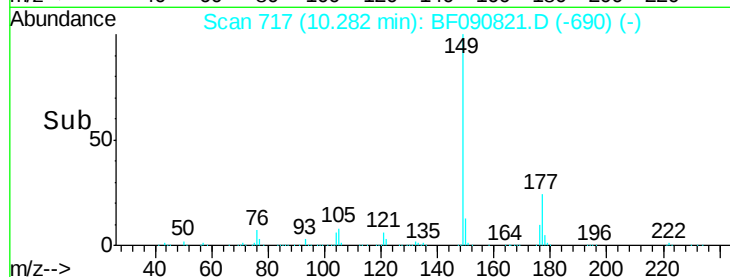
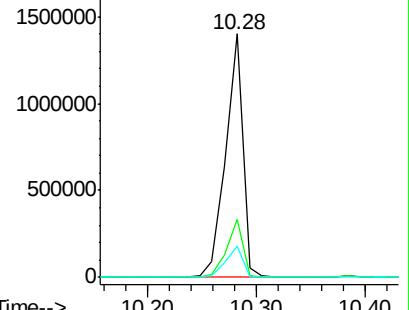
150 12.8 9.4 14.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 49.93 ng

RT: 10.38 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

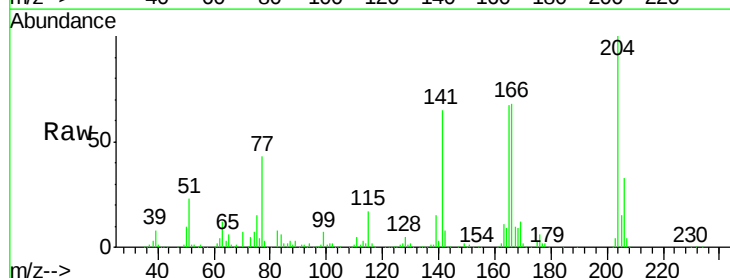
Tgt Ion:204 Resp: 616663

Ion Ratio Lower Upper

204 100

206 33.2 24.8 37.2

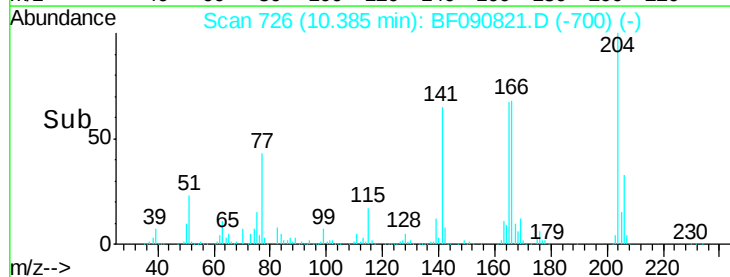
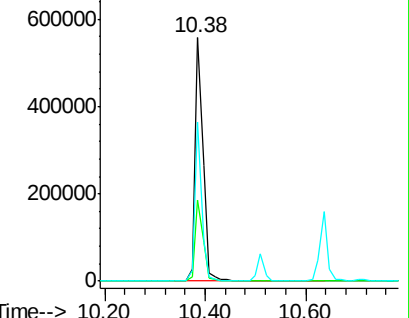
141 65.3 42.2 63.4#

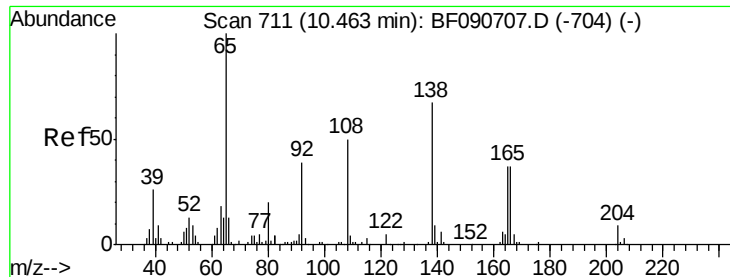


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 46.10 ng

RT: 10.43 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMSD

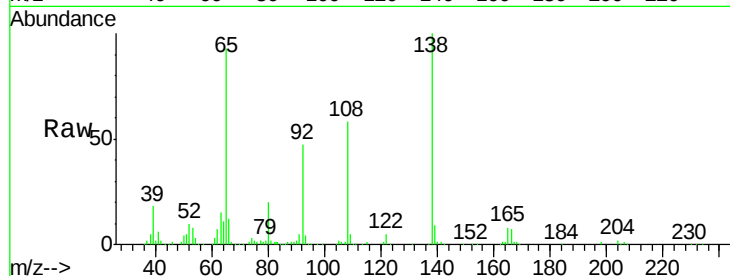
Tgt Ion:138 Resp: 330204

Ion Ratio Lower Upper

138 100

92 46.6 12.6 52.6

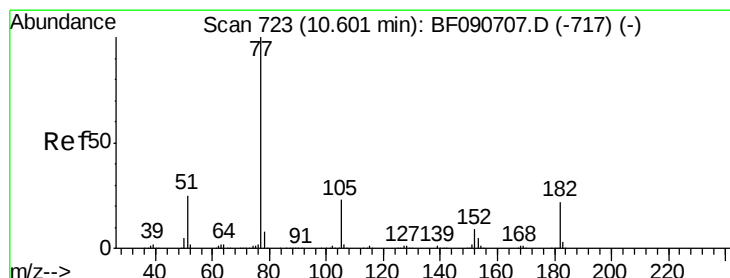
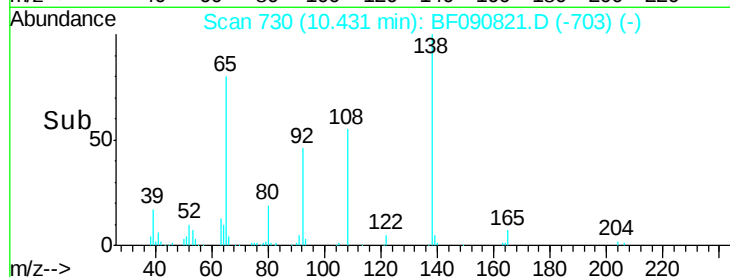
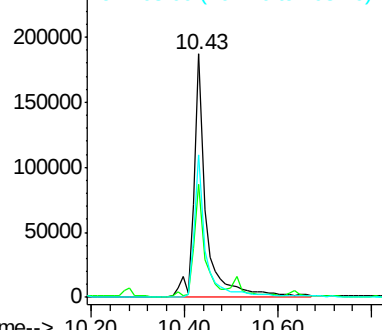
108 58.3 12.4 52.4#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 37.31 ng

RT: 10.54 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

Tgt Ion: 77 Resp: 1296593

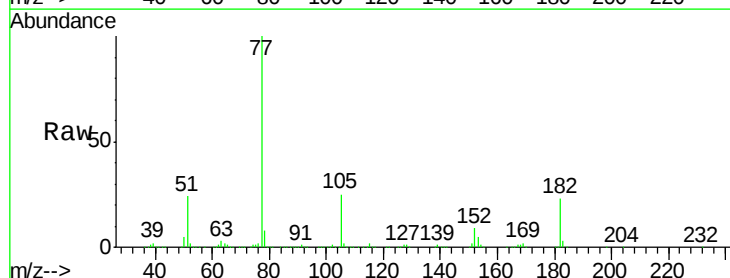
Ion Ratio Lower Upper

77 100

182 22.9 15.1 55.1

105 25.1 3.4 43.4

51 23.7 12.0 52.0

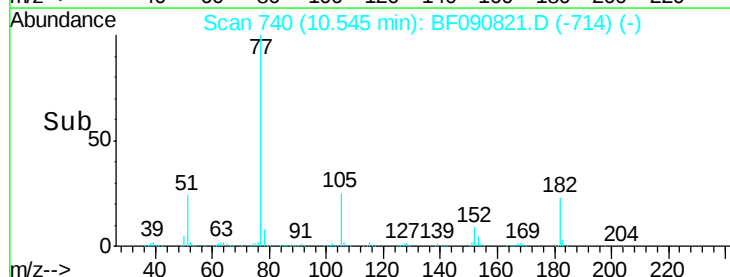
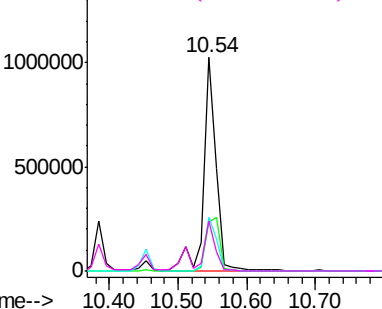


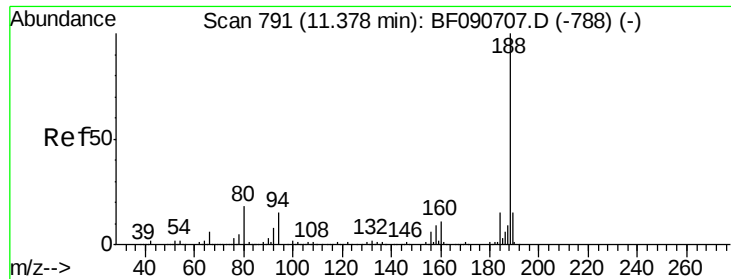
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.33 min Scan# 809

Delta R.T. 0.01 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMSD

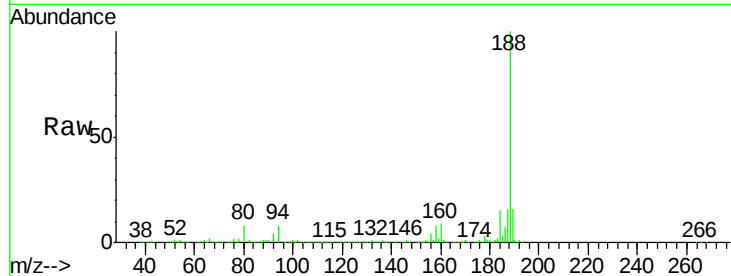
Tgt Ion:188 Resp: 748968

Ion Ratio Lower Upper

188 100

94 7.6 11.1 16.7#

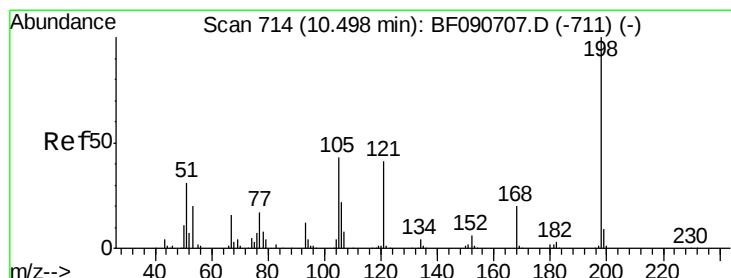
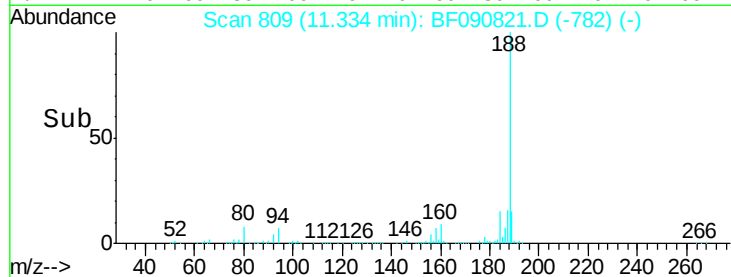
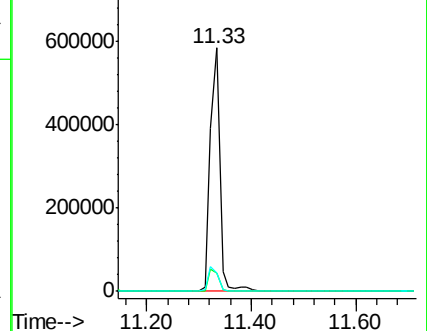
80 7.7 11.0 16.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 48.56 ng

RT: 10.45 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

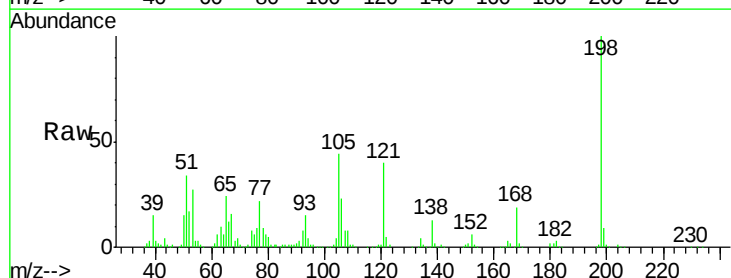
Tgt Ion:198 Resp: 232387

Ion Ratio Lower Upper

198 100

51 34.1 39.6 79.6#

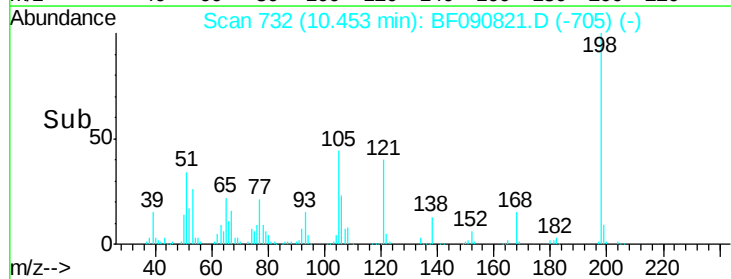
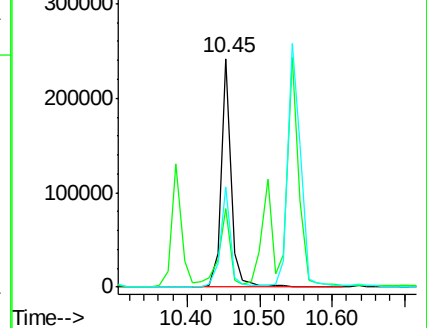
105 43.8 28.5 68.5

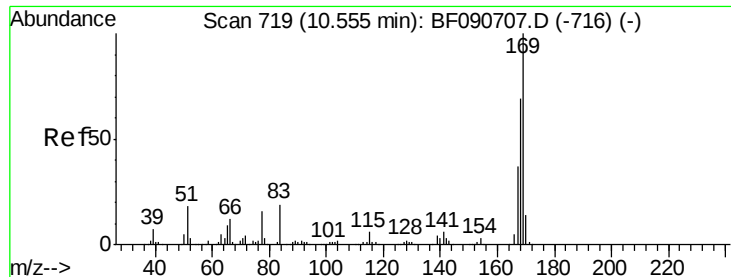


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

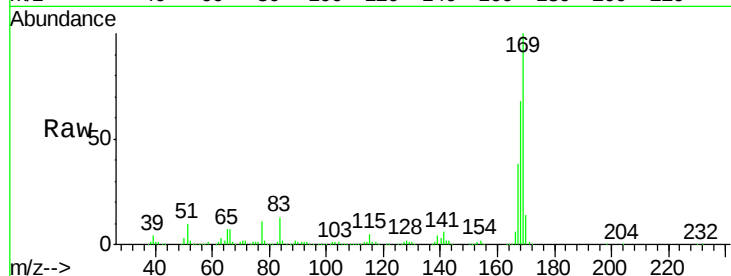




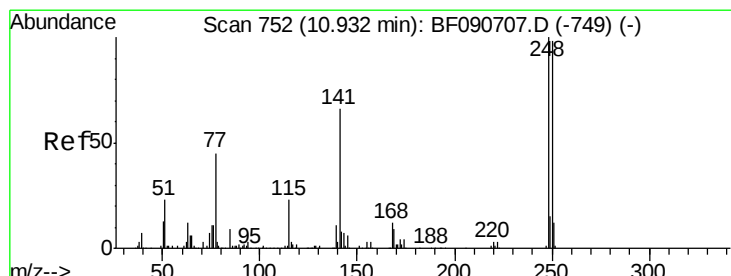
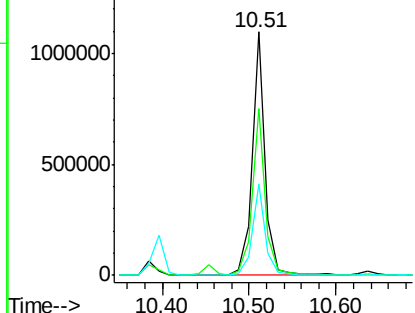
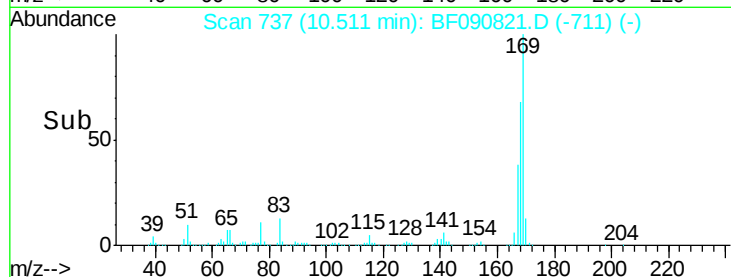
#65
 n-Nitrosodiphenylamine
 Concen: 47.55 ng
 RT: 10.51 min Scan# 737
 Delta R.T. 0.00 min
 Lab File: BF090821.D
 Acq: 25 Oct 2016 21:34

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-NORTHMSD

Tgt Ion:169 Resp: 1140922
 Ion Ratio Lower Upper
 169 100
 168 68.4 48.9 73.3
 167 37.6 26.2 39.4

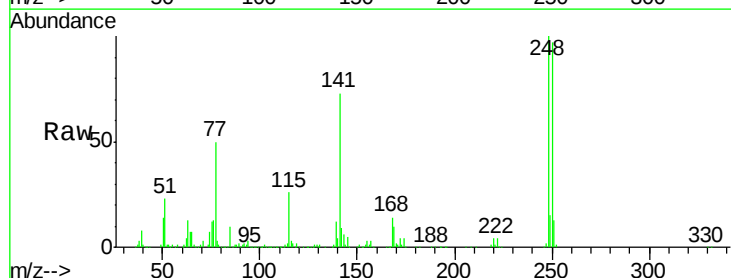


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

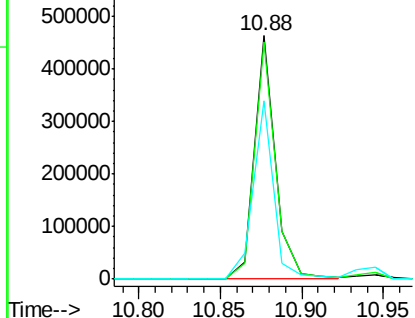
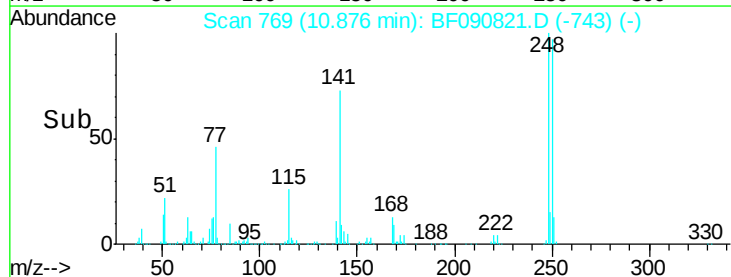


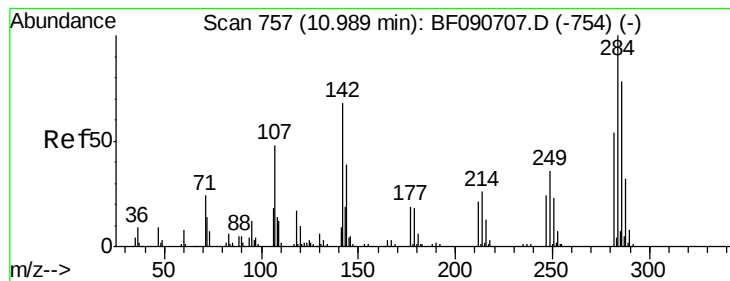
#66
 4-Bromophenyl-phenylether
 Concen: 57.50 ng
 RT: 10.88 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: BF090821.D
 Acq: 25 Oct 2016 21:34

Tgt Ion:248 Resp: 417477
 Ion Ratio Lower Upper
 248 100
 250 97.3 78.5 117.7
 141 73.2 59.0 88.6



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 62.08 ng

RT: 10.94 min Scan# 775

Delta R.T. 0.00 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMSD

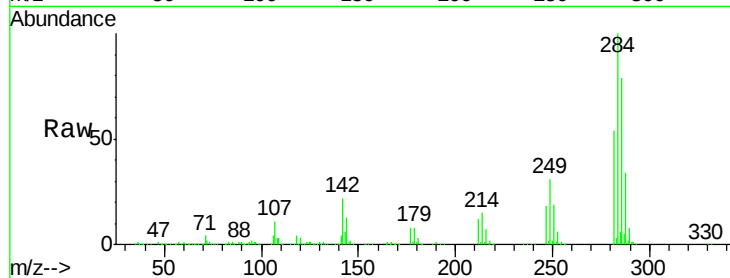
Tgt Ion:284 Resp: 531871

Ion Ratio Lower Upper

284 100

142 22.0 29.5 44.3#

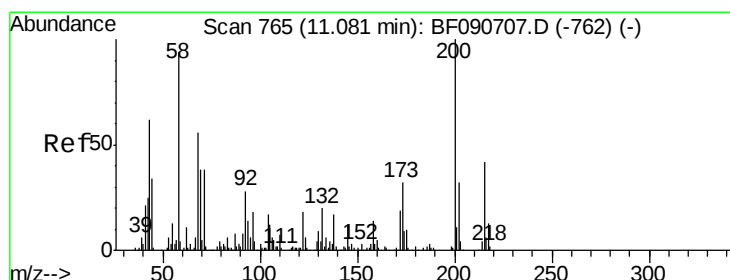
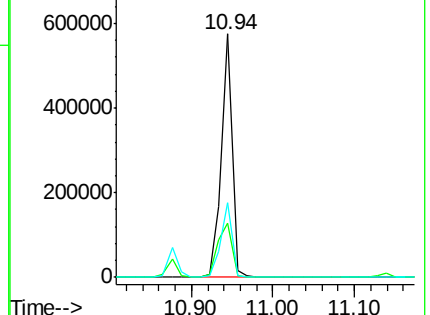
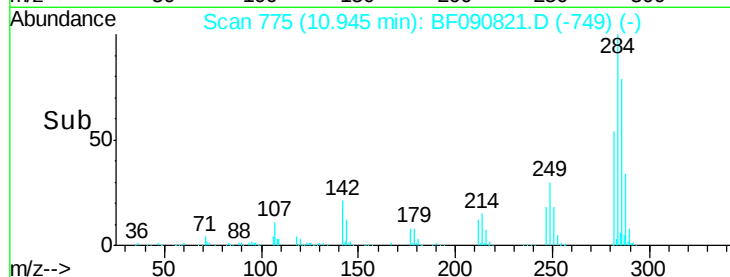
249 30.5 19.5 29.3#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 62.26 ng

RT: 11.05 min Scan# 784

Delta R.T. 0.01 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

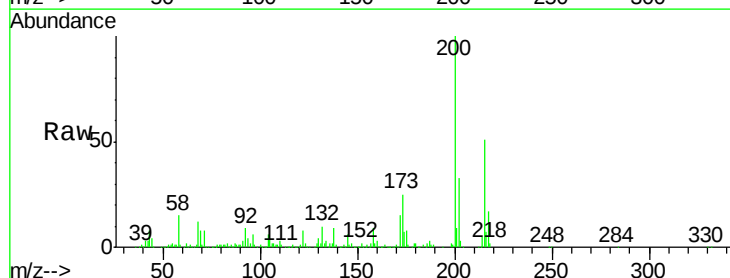
Tgt Ion:200 Resp: 412323

Ion Ratio Lower Upper

200 100

173 24.9 13.2 53.2

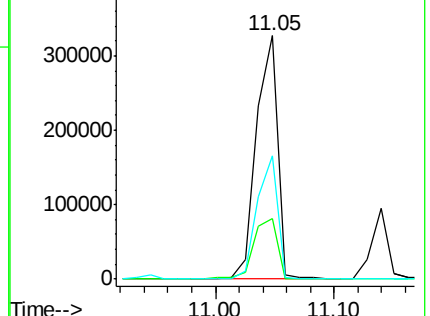
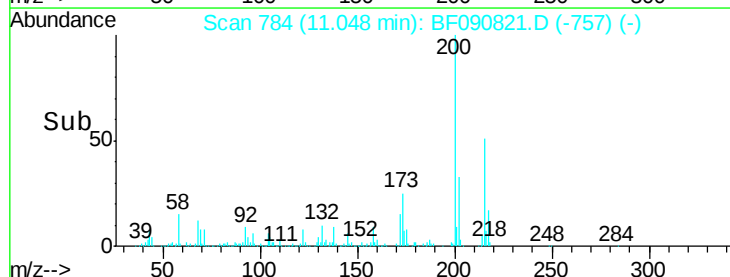
215 50.9 41.8 81.8

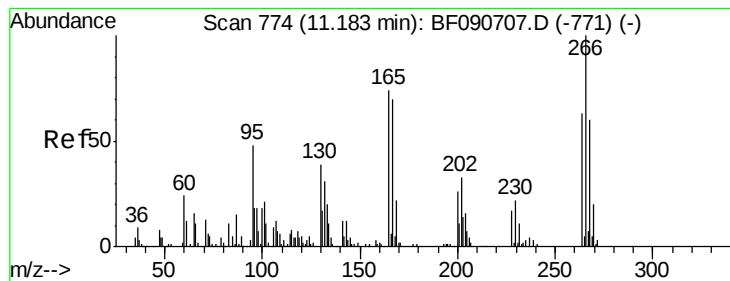


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 91.86 ng

RT: 11.14 min Scan# 792

Delta R.T. 0.00 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMSD

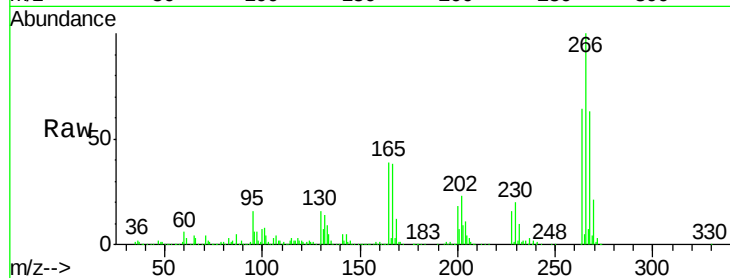
Tgt Ion:266 Resp: 525147

Ion Ratio Lower Upper

266 100

268 63.1 49.8 74.6

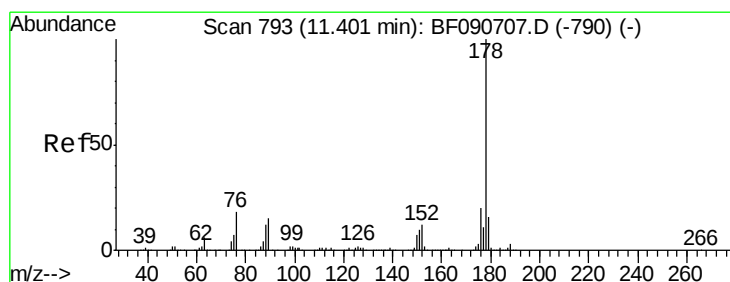
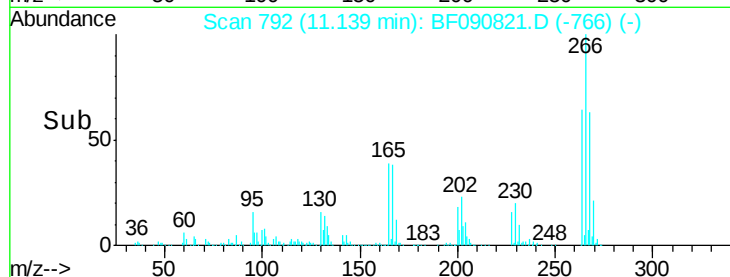
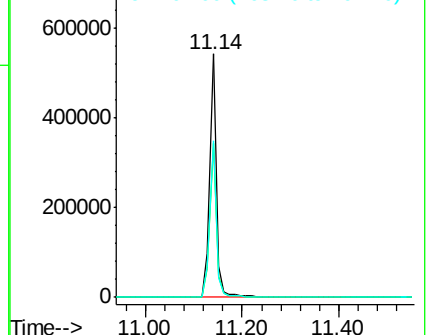
264 64.1 50.2 75.2



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 53.06 ng

RT: 11.40 min Scan# 815

Delta R.T. 0.05 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

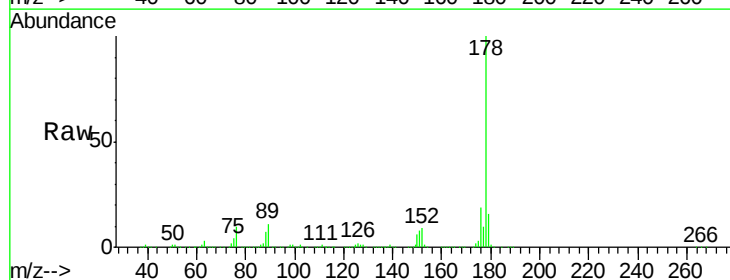
Tgt Ion:178 Resp: 2025634

Ion Ratio Lower Upper

178 100

176 19.5 13.8 20.8

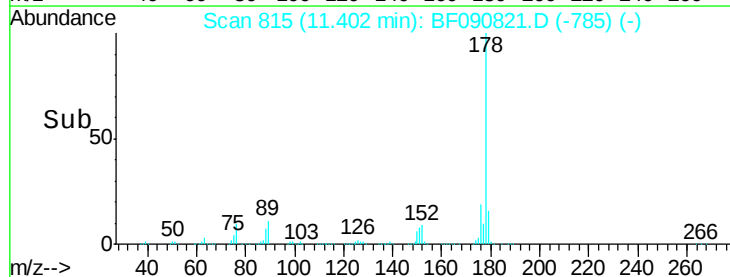
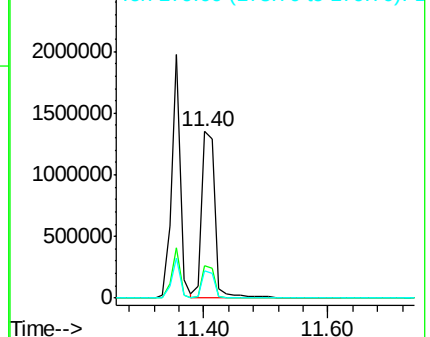
179 16.4 12.2 18.2

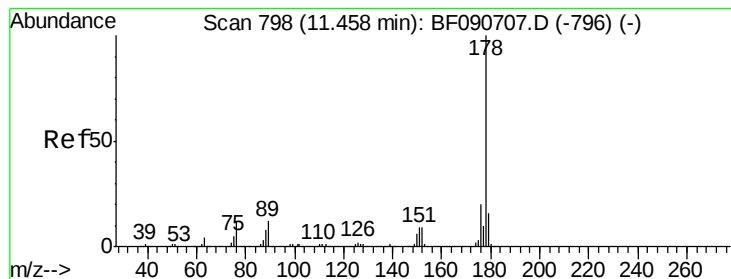


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 48.07 ng

RT: 11.40 min Scan# 815

Delta R.T. 0.00 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMSD

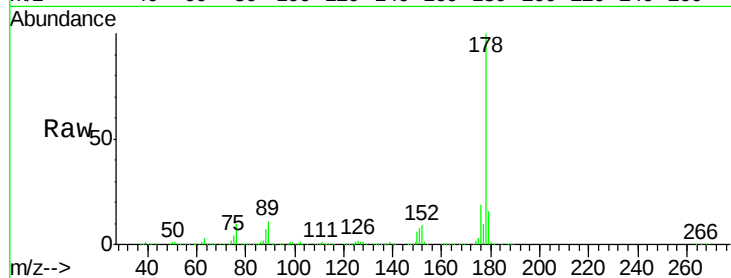
Tgt Ion:178 Resp: 2035160

Ion Ratio Lower Upper

178 100

176 19.5 14.1 21.1

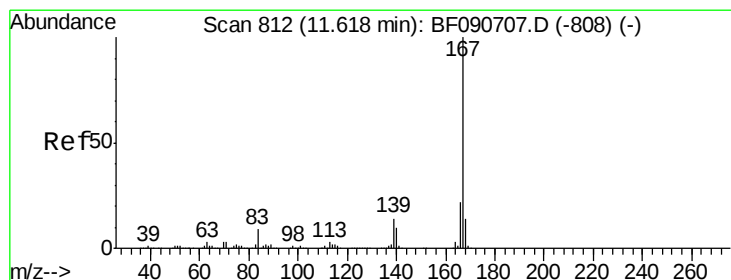
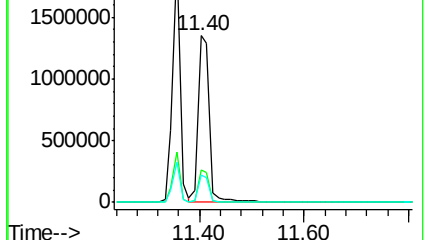
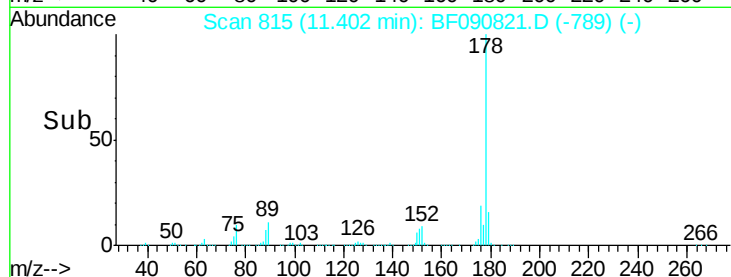
179 16.4 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 47.87 ng

RT: 11.56 min Scan# 829

Delta R.T. 0.00 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

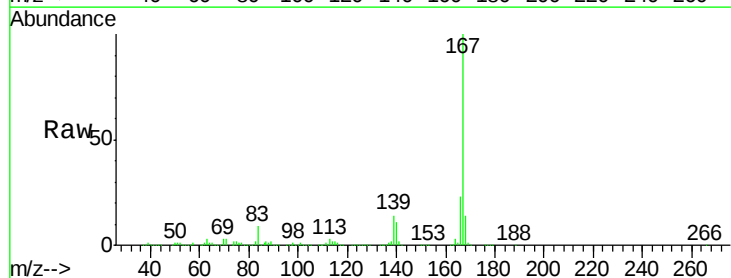
Tgt Ion:167 Resp: 1694579

Ion Ratio Lower Upper

167 100

166 23.0 15.7 23.5

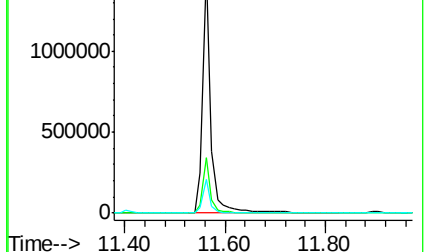
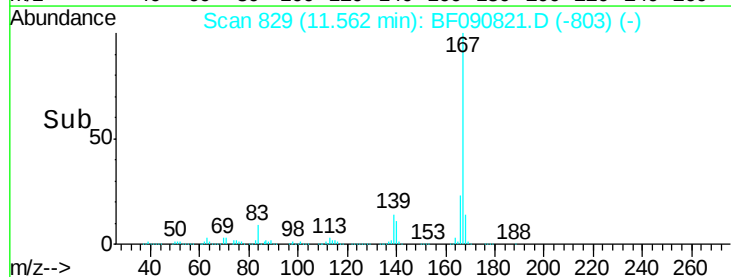
139 14.1 9.5 14.3

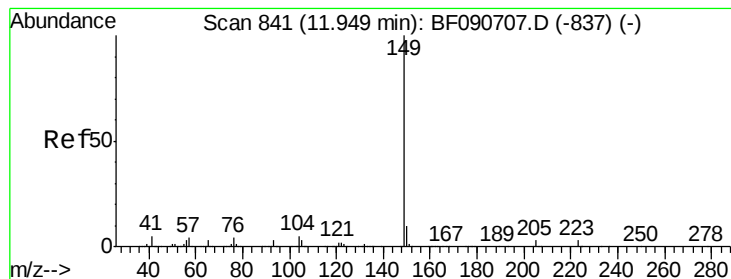


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 45.02 ng

RT: 11.89 min Scan# 858

Delta R.T. 0.00 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMSD

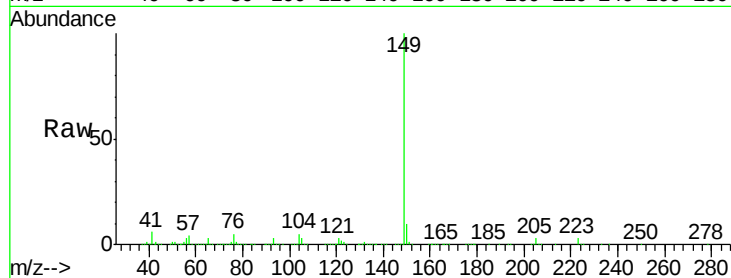
Tgt Ion:149 Resp: 2067015

Ion Ratio Lower Upper

149 100

150 10.1 7.4 11.2

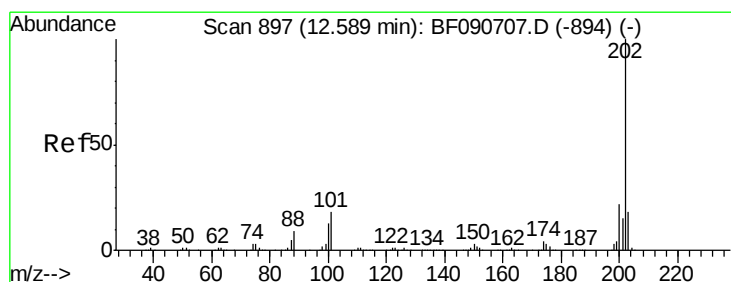
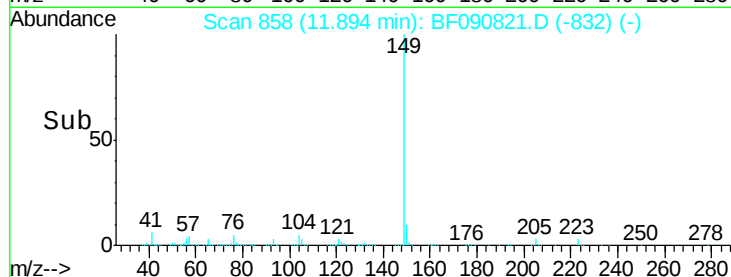
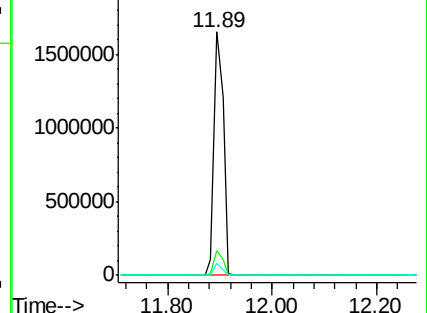
104 5.0 2.4 3.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 54.37 ng

RT: 12.55 min Scan# 915

Delta R.T. 0.01 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

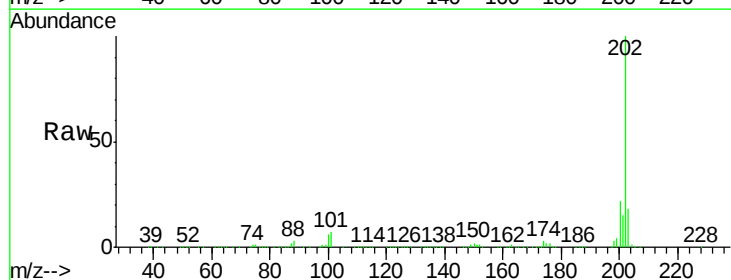
Tgt Ion:202 Resp: 2007849

Ion Ratio Lower Upper

202 100

101 7.4 0.0 38.3

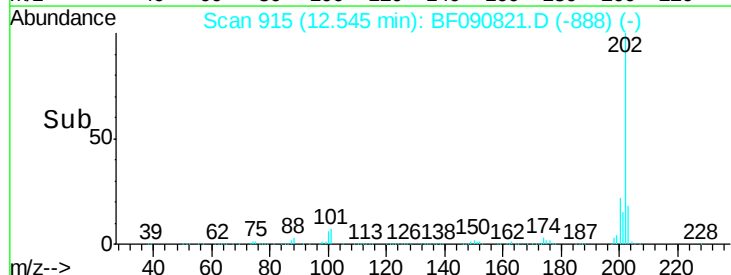
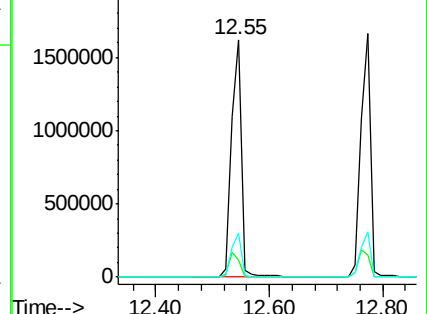
203 18.3 0.0 37.3

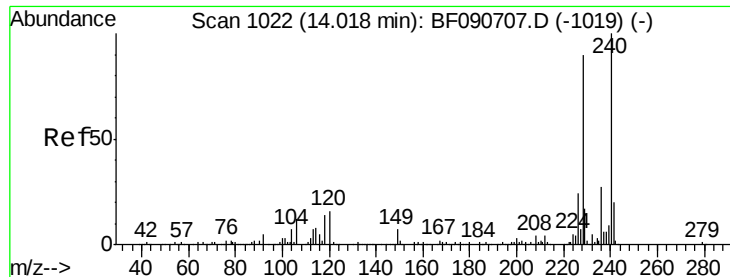


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.97 min Scan# 1040

Delta R.T. 0.01 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMSD

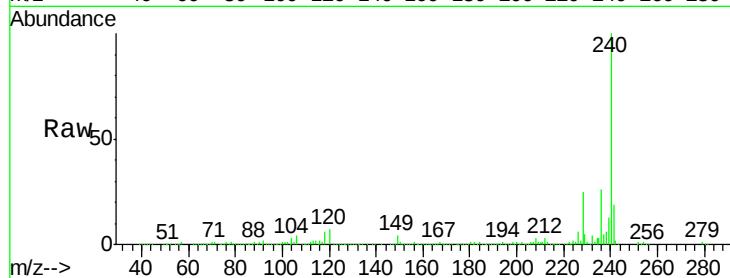
Tgt Ion:240 Resp: 488788

Ion Ratio Lower Upper

240 100

120 7.0 16.2 24.2#

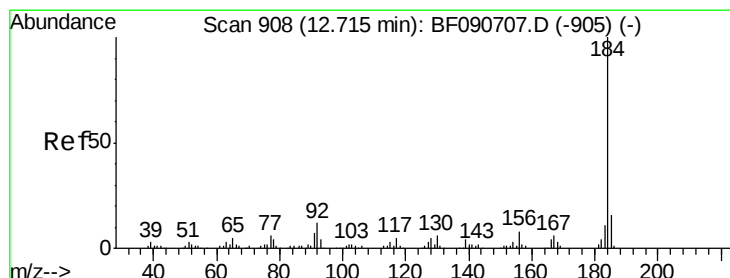
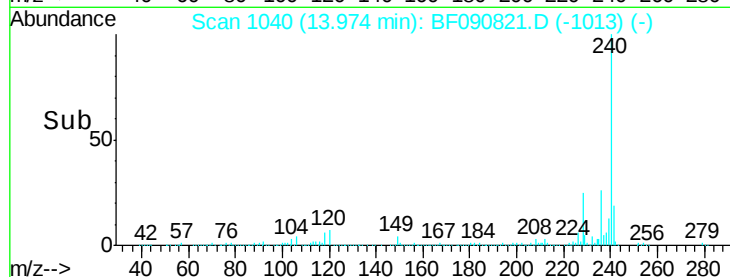
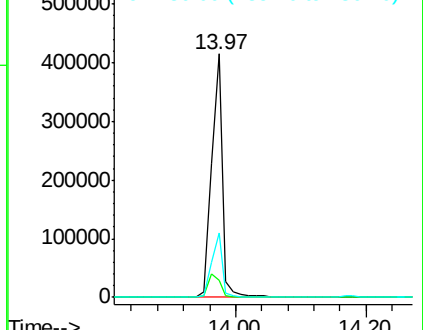
236 26.2 18.4 27.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 51.03 ng

RT: 12.67 min Scan# 926

Delta R.T. 0.00 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

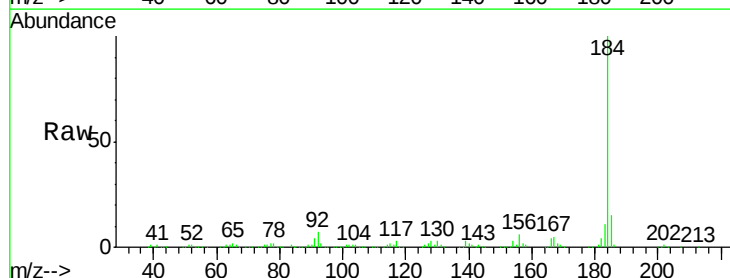
Tgt Ion:184 Resp: 553832

Ion Ratio Lower Upper

184 100

185 14.5 11.8 17.6

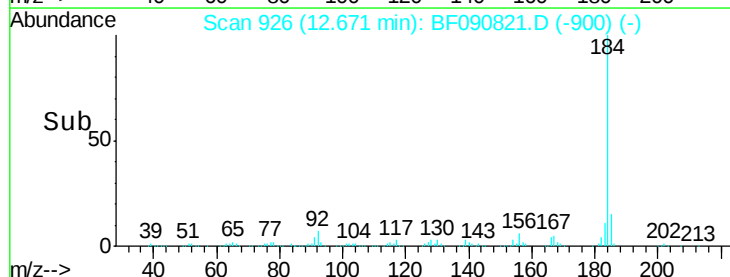
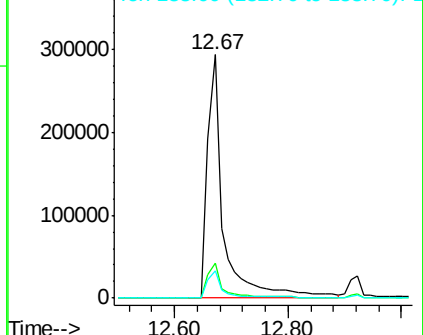
183 11.4 7.6 11.4#

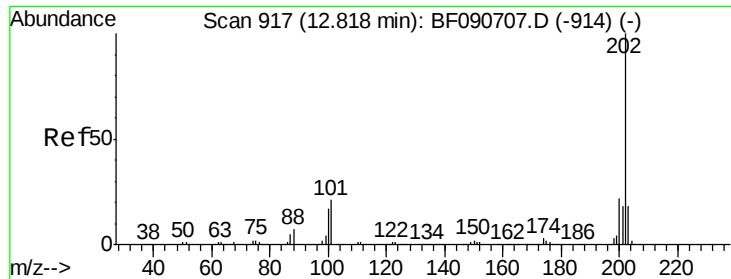


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 58.48 ng

RT: 12.55 min Scan# 915

Delta R.T. -0.22 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMSD

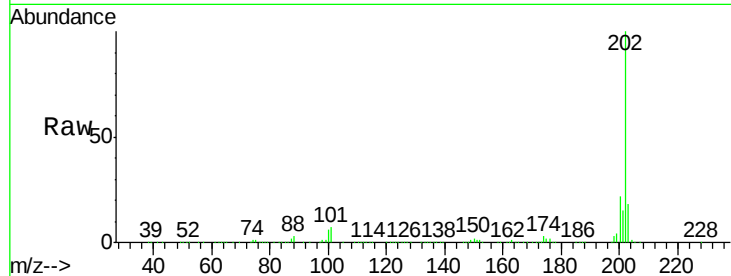
Tgt Ion:202 Resp: 1996248

Ion Ratio Lower Upper

202 100

200 21.7 15.0 22.4

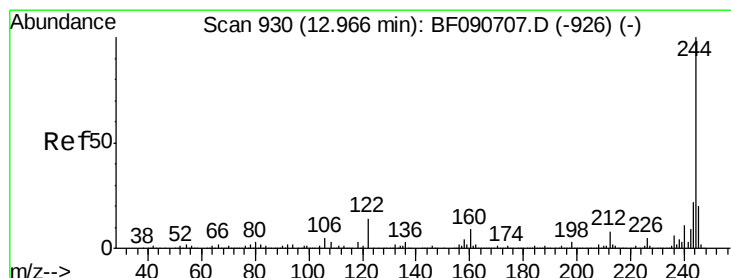
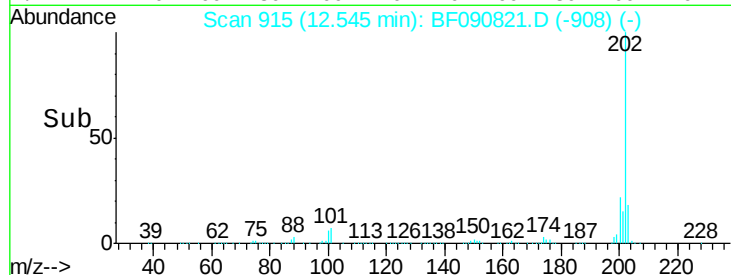
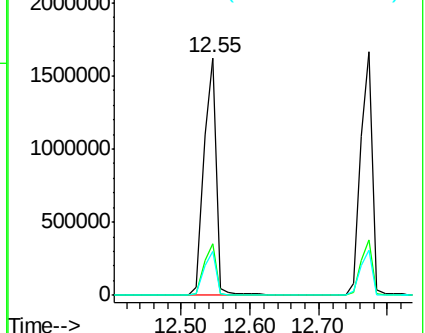
203 18.3 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 126.17 ng

RT: 12.92 min Scan# 948

Delta R.T. 0.00 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

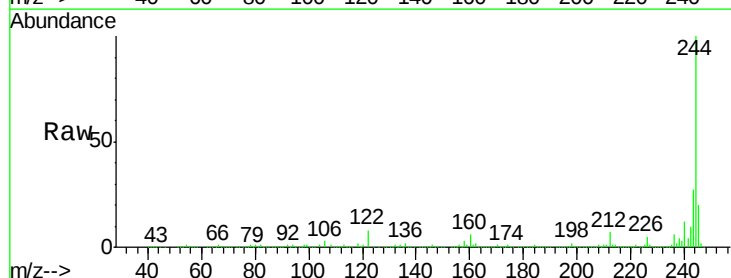
Tgt Ion:244 Resp: 2690774

Ion Ratio Lower Upper

244 100

212 7.0 4.3 6.5#

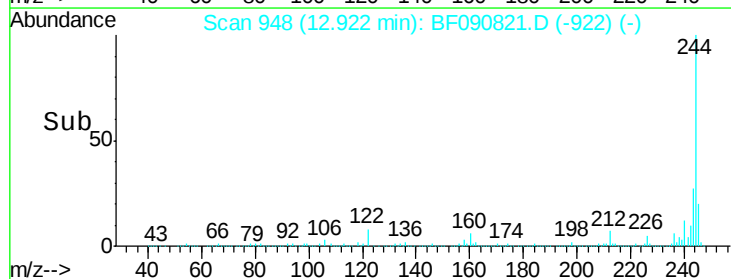
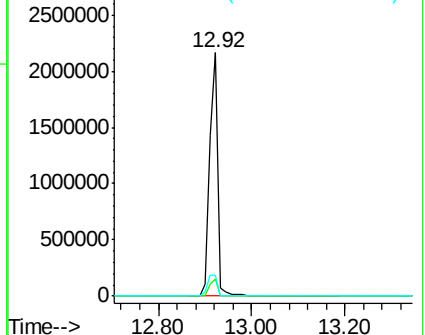
122 8.5 17.4 26.2#

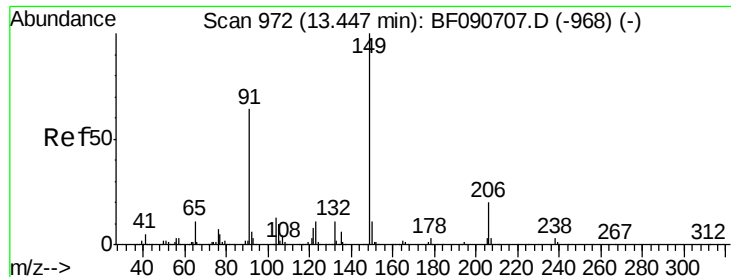


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

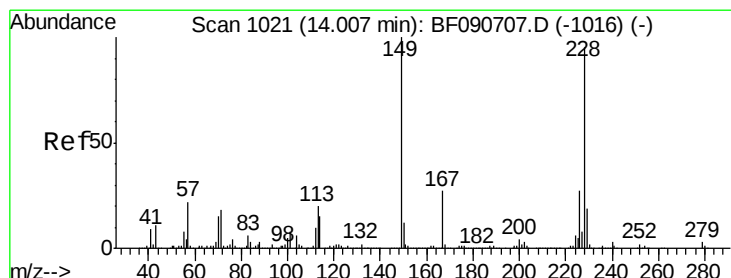
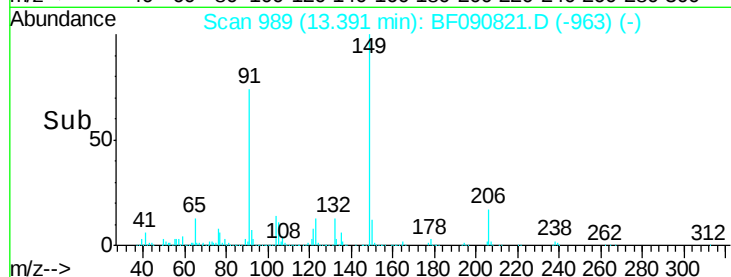
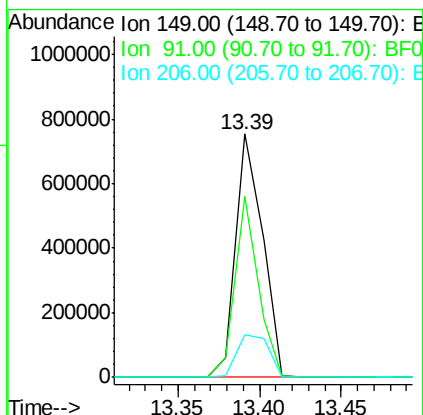
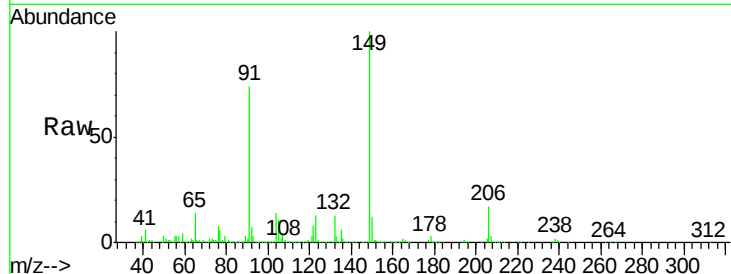




#79
Butylbenzylphthalate
Concen: 54.75 ng
RT: 13.39 min Scan# 989
Delta R.T. 0.00 min
Lab File: BF090821.D
Acq: 25 Oct 2016 21:34

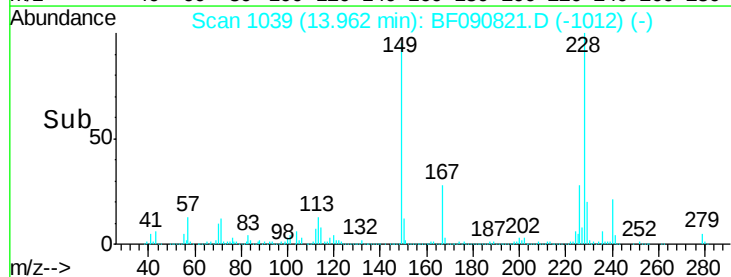
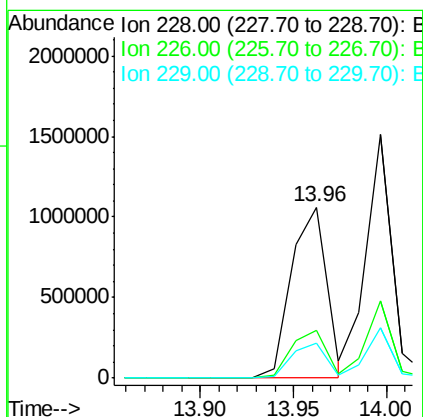
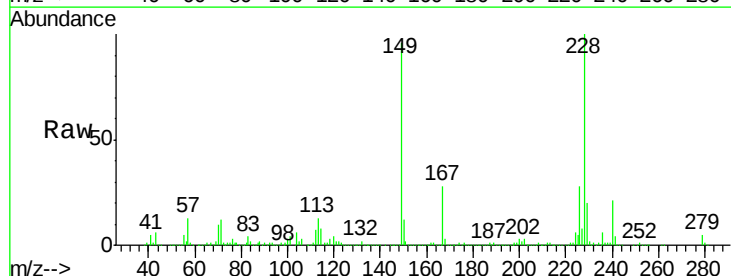
Instrument :
BNA_F
ClientSampleId :
BOTTOM-NORTHMSD

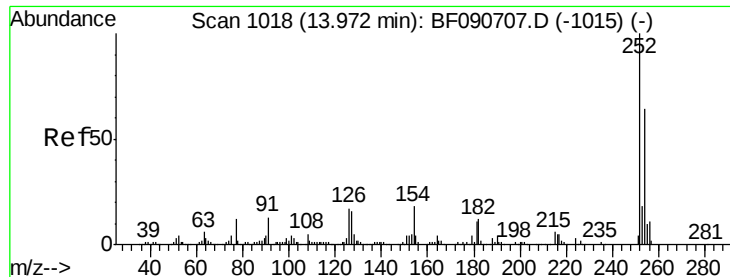
Tgt Ion:149 Resp: 859186
Ion Ratio Lower Upper
149 100
91 74.3 48.6 72.8#
206 17.5 14.9 22.3



#80
Benzo(a)anthracene
Concen: 52.65 ng
RT: 13.96 min Scan# 1039
Delta R.T. 0.01 min
Lab File: BF090821.D
Acq: 25 Oct 2016 21:34

Tgt Ion:228 Resp: 1408340
Ion Ratio Lower Upper
228 100
226 27.6 20.0 30.0
229 20.5 15.4 23.2

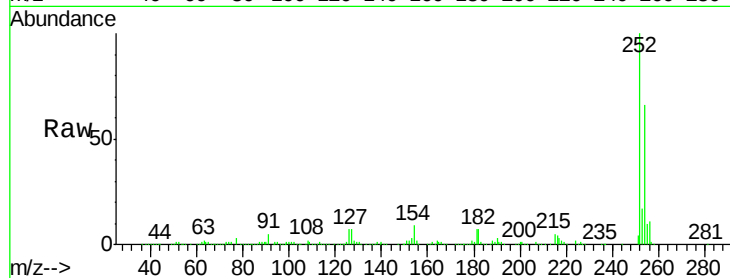




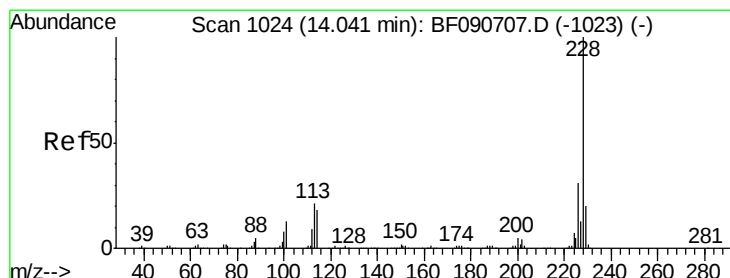
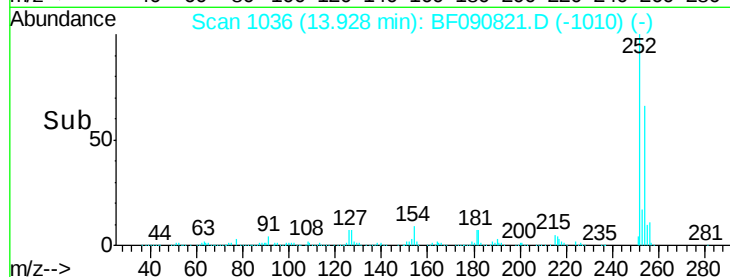
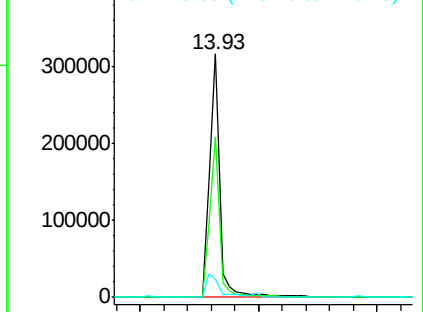
#81
 3,3'-Dichlorobenzidine
 Concen: 40.88 ng
 RT: 13.93 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: BF090821.D
 Acq: 25 Oct 2016 21:34

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-NORTHMSD

Tgt Ion:252 Resp: 378909
 Ion Ratio Lower Upper
 252 100
 254 66.1 51.4 77.2
 126 7.4 16.4 24.6#

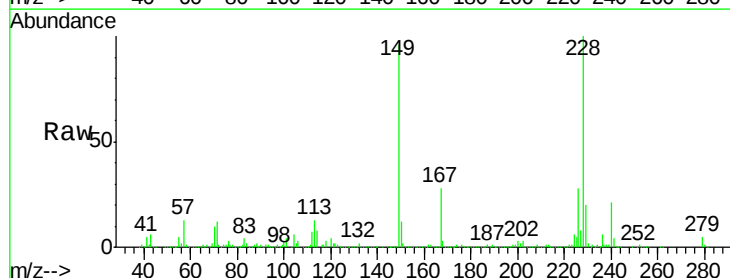


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

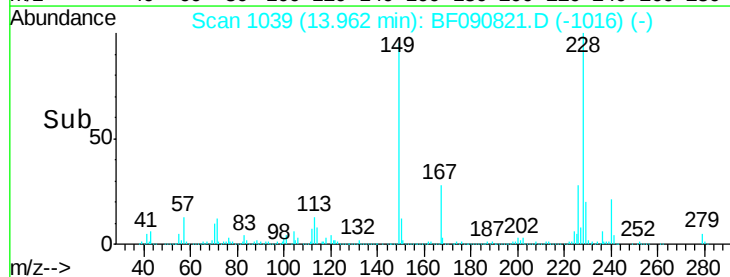
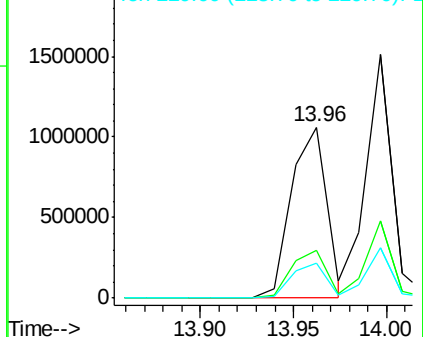


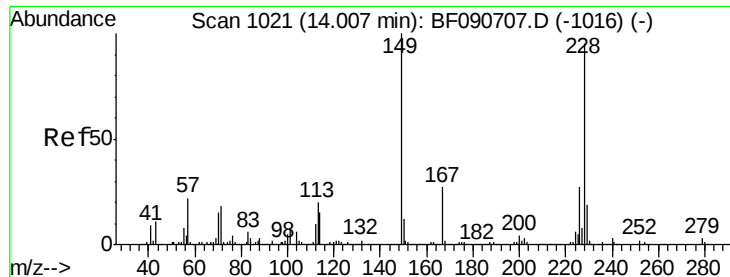
#82
 Chrysene
 Concen: 53.95 ng
 RT: 13.96 min Scan# 1039
 Delta R.T. -0.03 min
 Lab File: BF090821.D
 Acq: 25 Oct 2016 21:34

Tgt Ion:228 Resp: 1408340
 Ion Ratio Lower Upper
 228 100
 226 27.6 21.0 31.4
 229 20.5 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 53.41 ng

RT: 13.96 min Scan# 1039

Delta R.T. 0.01 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMSD

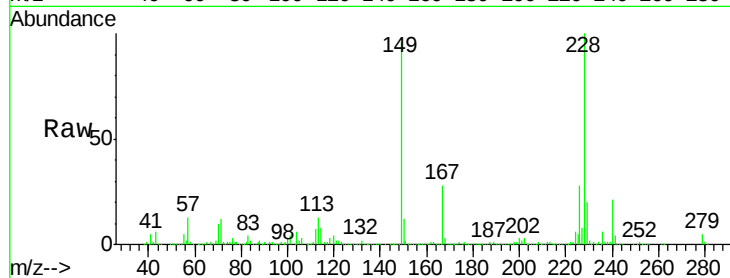
Tgt Ion:149 Resp: 1199019

Ion Ratio Lower Upper

149 100

167 29.7 24.2 36.2

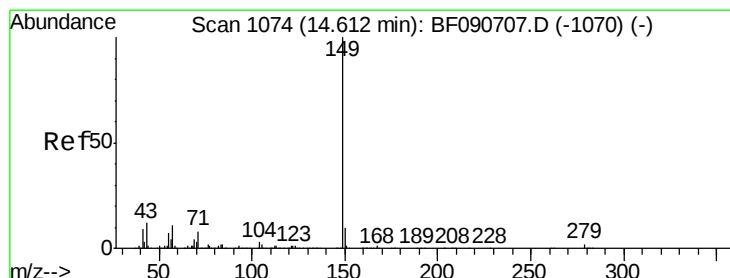
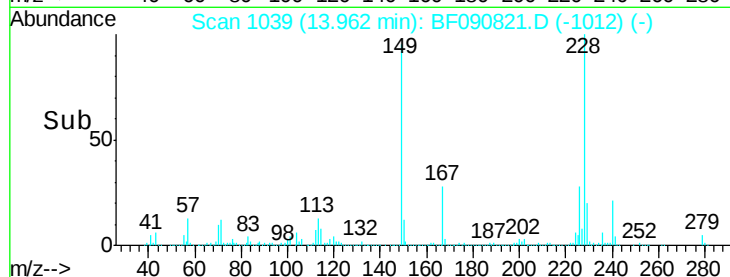
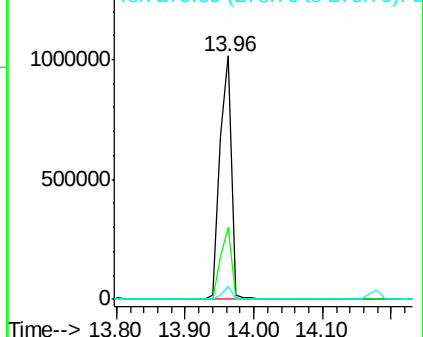
279 5.6 3.8 5.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 53.65 ng

RT: 14.57 min Scan# 1092

Delta R.T. 0.00 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

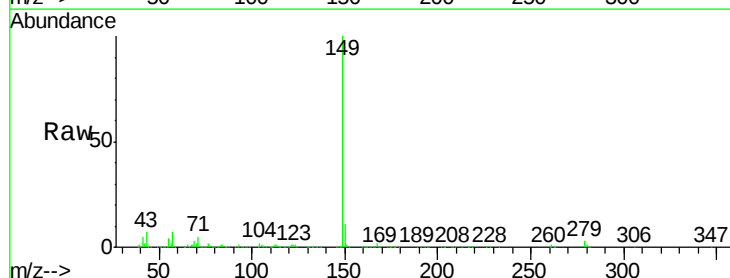
Tgt Ion:149 Resp: 1827970

Ion Ratio Lower Upper

149 100

167 1.7 1.0 1.6#

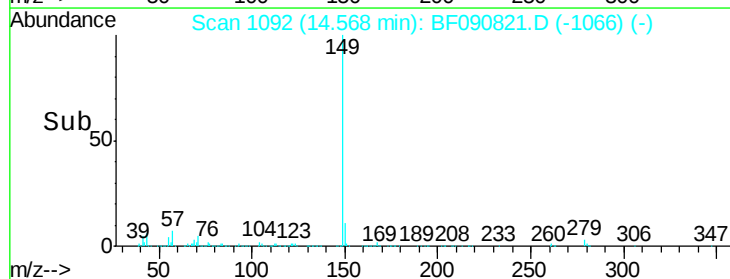
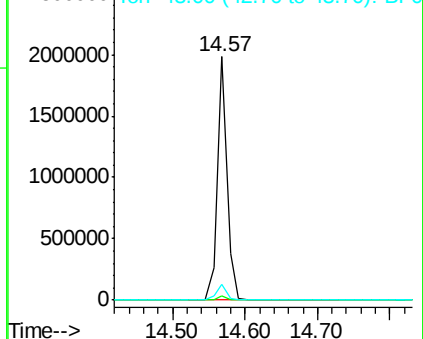
43 6.7 10.2 15.2#

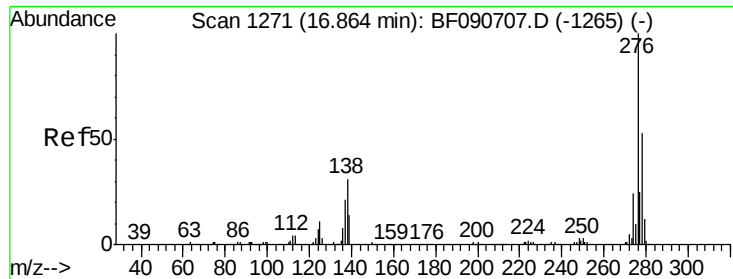


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

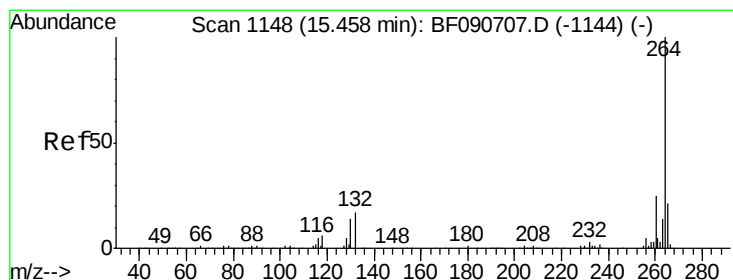
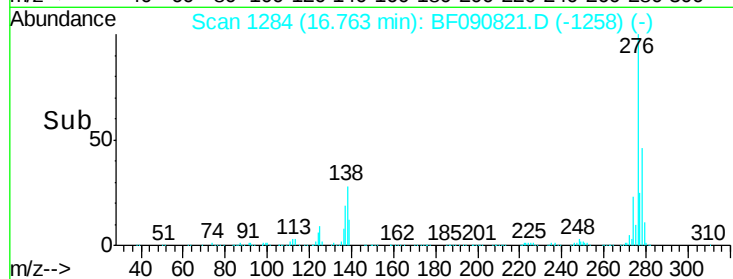
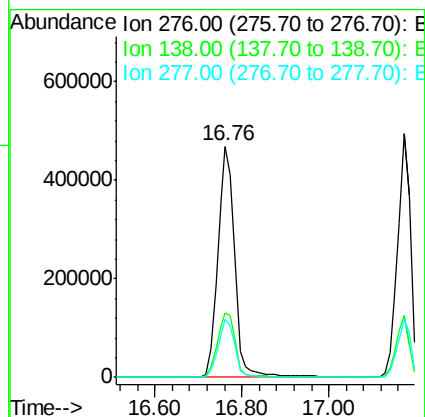
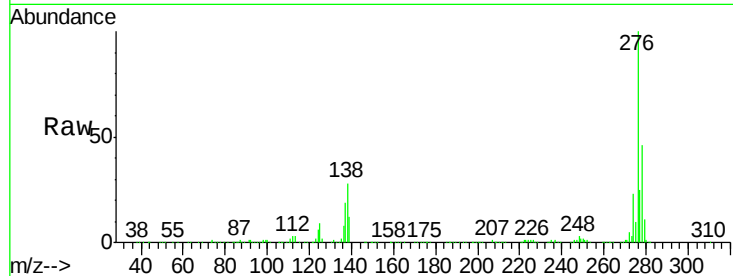




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 56.65 ng
 RT: 16.76 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: BF090821.D
 Acq: 25 Oct 2016 21:34

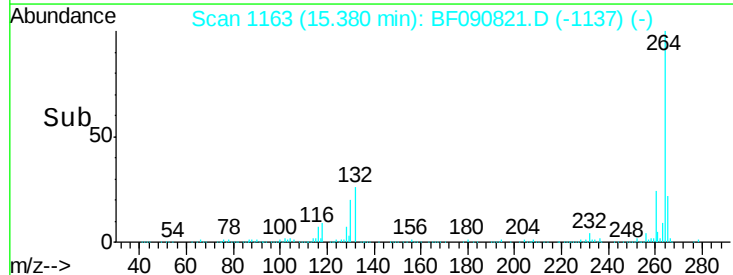
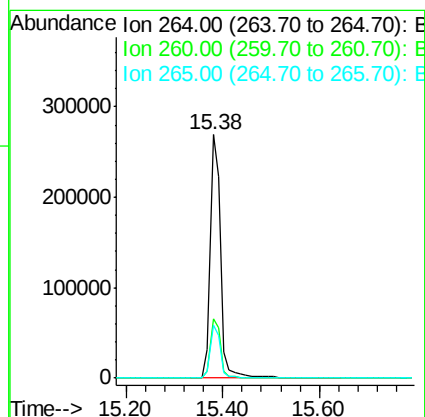
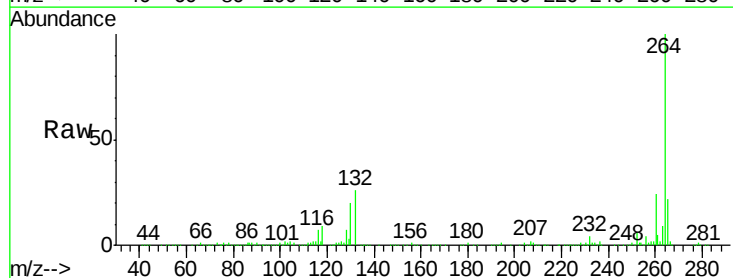
Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-NORTHMSD

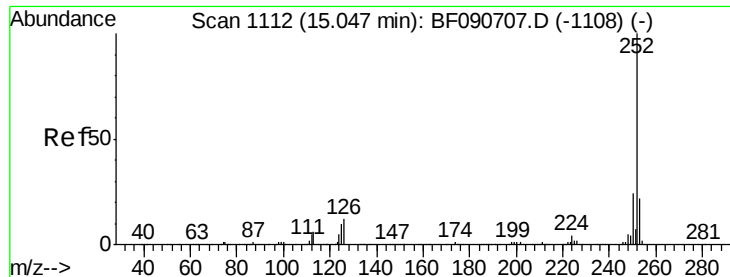
Tgt Ion: 276 Resp: 1290159
 Ion Ratio Lower Upper
 276 100
 138 30.1 25.7 38.5
 277 25.2 15.6 23.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.38 min Scan# 1163
 Delta R.T. 0.00 min
 Lab File: BF090821.D
 Acq: 25 Oct 2016 21:34

Tgt Ion: 264 Resp: 405570
 Ion Ratio Lower Upper
 264 100
 260 24.2 16.7 25.1
 265 21.9 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 104.93 ng

RT: 15.01 min Scan# 1131

Delta R.T. 0.03 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMSD

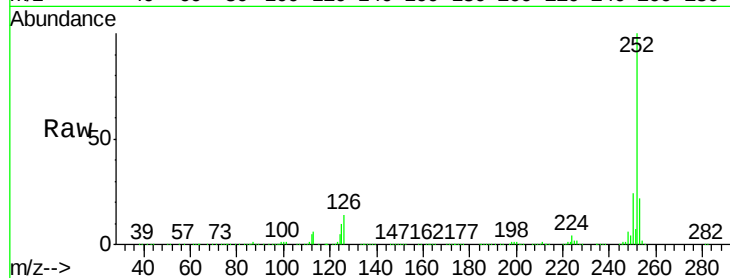
Tgt Ion:252 Resp: 2616661

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

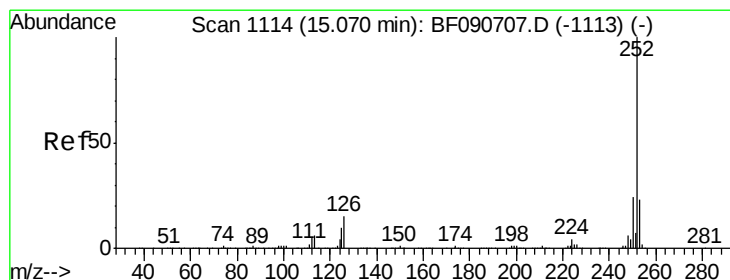
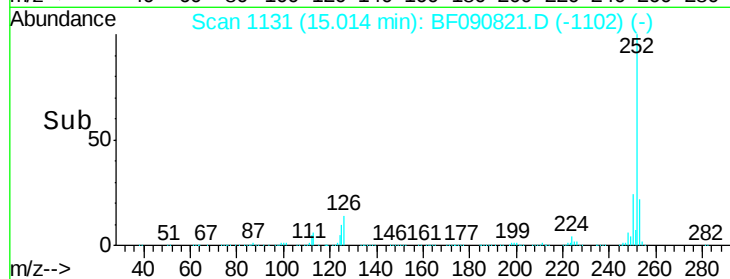
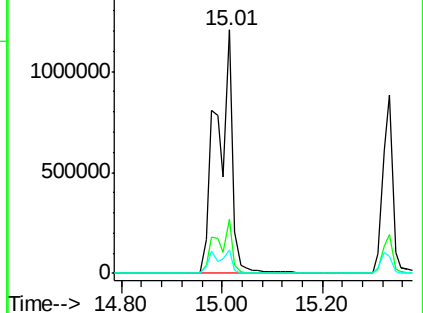
125 9.5 17.1 25.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 104.52 ng

RT: 15.01 min Scan# 1131

Delta R.T. 0.00 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

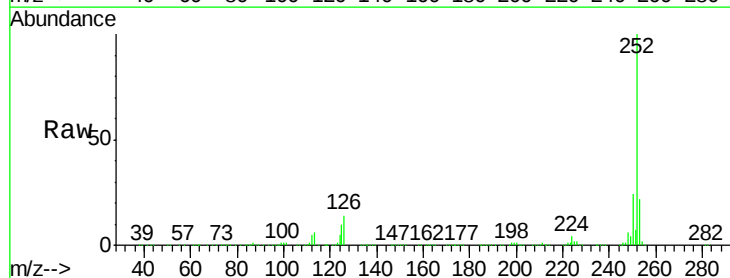
Tgt Ion:252 Resp: 2619394

Ion Ratio Lower Upper

252 100

253 22.4 17.0 25.4

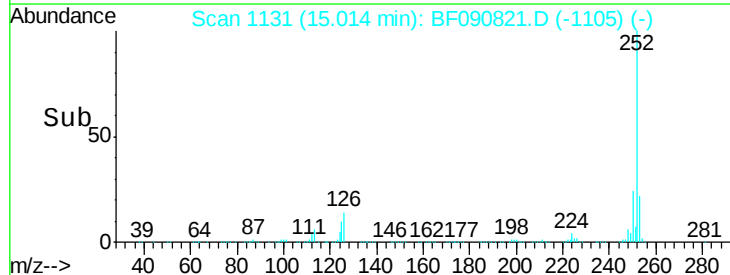
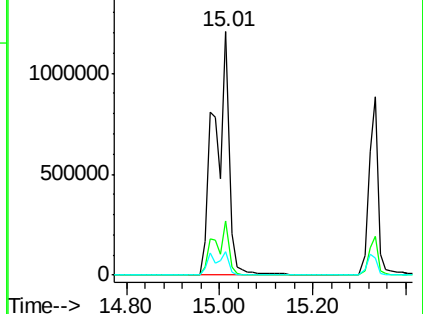
125 9.5 16.0 24.0#

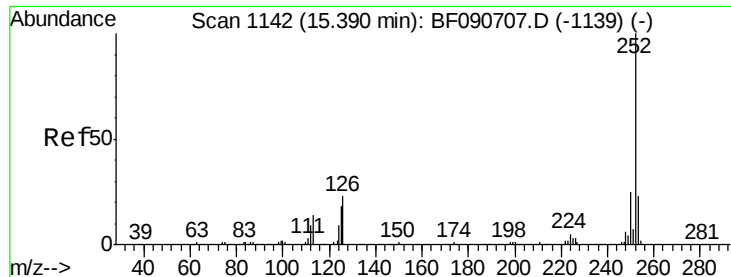


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 52.45 ng

RT: 15.33 min Scan# 1159

Delta R.T. 0.01 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMSD

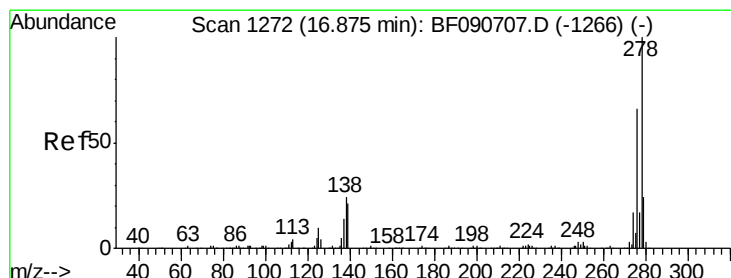
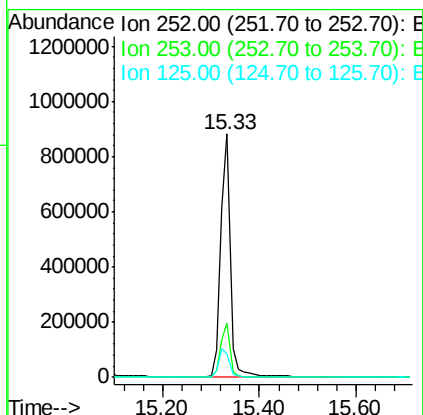
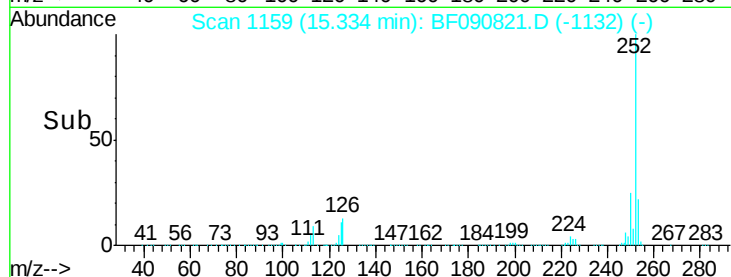
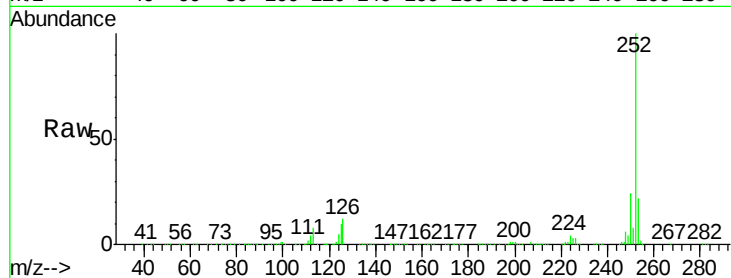
Tgt Ion:252 Resp: 1227151

Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

125 9.7 18.0 27.0#



#90

Dibenzo(a,h)anthracene

Concen: 49.16 ng

RT: 16.79 min Scan# 1286

Delta R.T. 0.01 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

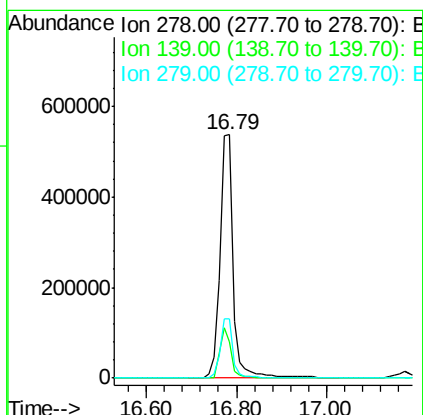
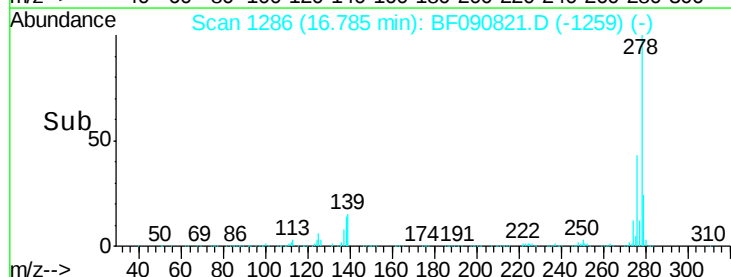
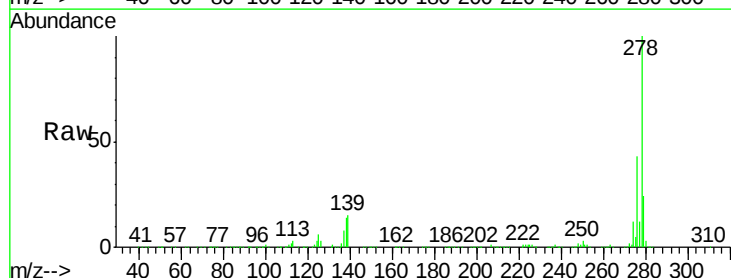
Tgt Ion:278 Resp: 1104306

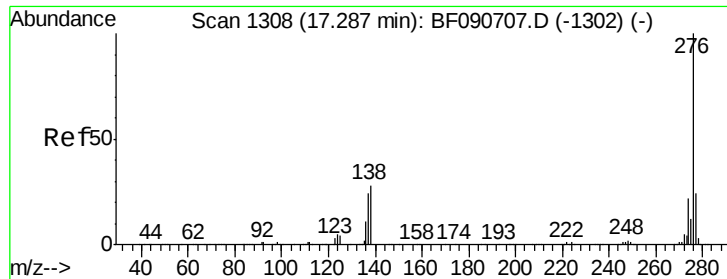
Ion Ratio Lower Upper

278 100

139 14.8 26.3 39.5#

279 24.2 18.2 27.4





#91

Benzo(g,h,i)perylene

Concen: 48.10 ng

RT: 17.17 min Scan# 1320

Delta R.T. 0.01 min

Lab File: BF090821.D

Acq: 25 Oct 2016 21:34

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMSD

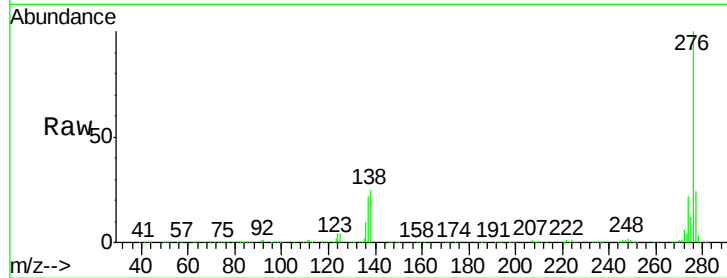
Tgt Ion:276 Resp: 1048102

Ion Ratio Lower Upper

276 100

277 23.8 17.8 26.6

138 25.2 34.6 51.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

