

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102516\
 Data File : BF090820.D
 Acq On : 25 Oct 2016 21:06
 Operator : UM/SJ
 Sample : H5394-01MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-NORTHMS

Quant Time: Oct 26 00:56:02 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	176060	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	757187	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	431777	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	695056	20.00	ng	0.01
75) Chrysene-d12	13.97	240	453375	20.00	ng	0.01
86) Perylene-d12	15.38	264	375066	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	1630092	149.32	ng	0.02
7) Phenol-d6	6.45	99	1881654	127.25	ng	0.01
23) Nitrobenzene-d5	7.37	82	1114730	80.75	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	593500	173.66	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	2390249	85.94	ng	0.00
78) Terphenyl-d14	12.92	244	2460782	124.40	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.44	88	248874	39.40	ng	# 78
3) Pyridine	3.14	79	697698	47.14	ng	# 71
4) n-Nitrosodimethylamine	3.09	42	240824	47.55	ng	# 66
6) Aniline	6.46	93	466086	27.80	ng	# 1
8) 2-Chlorophenol	6.59	128	609620	46.52	ng	96
9) Benzaldehyde	6.34	77	99219	12.27	ng	# 72
10) Phenol	6.46	94	812835	48.90	ng	# 66
11) bis(2-Chloroethyl)ether	6.54	93	616146	44.12	ng	86
12) 1,3-Dichlorobenzene	6.74	146	623769	47.39	ng	# 94
13) 1,4-Dichlorobenzene	6.82	146	682685	48.89	ng	# 95
14) 1,2-Dichlorobenzene	6.82	146	687121	50.27	ng	98
15) Benzyl Alcohol	6.96	79	436275	43.44	ng	# 83
16) 2,2'-oxybis(1-Chloropropan	7.08	45	535168	25.59	ng	50
17) 2-Methylphenol	7.07	107	477580	48.37	ng	# 85
18) Hexachloroethane	7.31	117	226553	39.97	ng	# 84
19) n-Nitroso-di-n-propylamine	7.23	70	414166	37.61	ng	# 67
20) 3+4-Methylphenols	7.22	107	585644	50.04	ng	# 55
22) Acetophenone	7.22	105	764463	45.30	ng	# 86
24) Nitrobenzene	7.39	77	604319	40.38	ng	# 76
25) Isophorone	7.63	82	1117228	42.75	ng	# 93
26) 2-Nitrophenol	7.71	139	365001	59.70	ng	# 91
27) 2,4-Dimethylphenol	7.76	122	569714	52.55	ng	86
28) bis(2-Chloroethoxy)methane	7.85	93	741011	51.83	ng	# 96
29) 2,4-Dichlorophenol	7.95	162	514208	57.79	ng	95
30) 1,2,4-Trichlorobenzene	8.03	180	554227	52.93	ng	98
31) Naphthalene	8.11	128	1737324	46.90	ng	97
32) Benzoic acid	7.87	122	143681	23.39	ng	# 73
33) 4-Chloroaniline	8.17	127	230146	16.75	ng	# 97
34) Hexachlorobutadiene	8.22	225	315397	53.57	ng	98
35) Caprolactam	8.54	113	109031	42.91	ng	# 85
36) 4-Chloro-3-methylphenol	8.66	107	533938	51.60	ng	89
37) 2-Methylnaphthalene	8.81	142	1204093	55.62	ng	# 92
39) 1,2,4,5-Tetrachlorobenzene	8.97	216	529509	45.42	ng	98
40) Hexachlorocyclopentadiene	8.96	237	560225	102.35	ng	97

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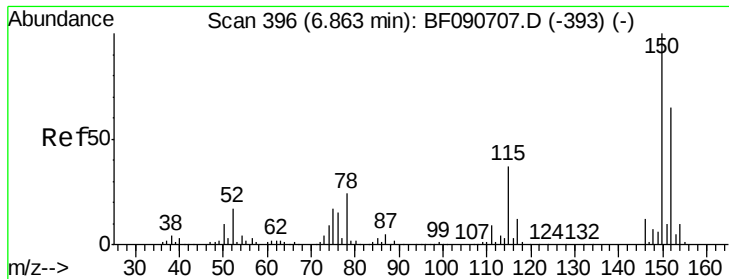
Instrument :
 BNA_F
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Quant Time: Oct 26 00:56:02 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 2,4,6-Trichlorophenol	9.08	196	365641	50.57	ng	99
43) 2,4,5-Trichlorophenol	9.14	196	398158	54.26	ng #	90
45) 1,1'-Biphenyl	9.26	154	1376566	40.60	ng	93
46) 2-Chloronaphthalene	9.29	162	1105718	43.87	ng #	91
47) 2-Nitroaniline	9.39	65	316688	37.86	ng #	80
48) Acenaphthylene	9.71	152	1827093	47.51	ng	95
49) Dimethylphthalate	9.58	163	1835924	67.67	ng #	98
50) 2,6-Dinitrotoluene	9.64	165	343663	58.90	ng #	90
51) Acenaphthene	9.88	154	1118836	43.83	ng	88
52) 3-Nitroaniline	9.80	138	187617	27.97	ng #	61
53) 2,4-Dinitrophenol	9.92	184	259555	78.41	ng #	83
54) Dibenzofuran	10.05	168	1575496	50.95	ng #	88
55) 4-Nitrophenol	9.98	139	472192	112.03	ng #	85
56) 2,4-Dinitrotoluene	10.04	165	408881	57.34	ng #	91
57) Fluorene	10.40	166	1274276	49.72	ng	93
58) 2,3,4,6-Tetrachlorophenol	10.18	232	344807	59.88	ng	94
59) Diethylphthalate	10.28	149	1379247	49.01	ng	95
60) 4-Chlorophenyl-phenylether	10.38	204	567679	48.47	ng #	88
61) 4-Nitroaniline	10.43	138	300672	44.26	ng #	71
62) Azobenzene	10.54	77	1179441	35.79	ng	86
64) 4,6-Dinitro-2-methylphenol	10.45	198	228160	51.13	ng #	63
65) n-Nitrosodiphenylamine	10.51	169	1083776	48.67	ng	90
66) 4-Bromophenyl-phenylether	10.88	248	393991	58.47	ng	95
67) Hexachlorobenzene	10.94	284	493789	62.10	ng #	80
68) Atrazine	11.05	200	373052	60.70	ng	86
69) Pentachlorophenol	11.14	266	490372	92.26	ng	99
70) Phenanthrene	11.40	178	1779296	50.22	ng	96
71) Anthracene	11.40	178	1787725	45.50	ng	96
72) Carbazole	11.56	167	1579951	48.10	ng	93
73) Di-n-butylphthalate	11.89	149	1873903	43.98	ng #	97
74) Fluoranthene	12.55	202	1879469	54.84	ng	87
76) Benzidine	12.67	184	377868	37.54	ng	98
77) Pyrene	12.77	202	1829849	57.79	ng	96
79) Butylbenzylphthalate	13.39	149	829974	57.02	ng #	85
80) Benzo(a)anthracene	13.96	228	1298324	52.33	ng	97
81) 3,3'-Dichlorobenzidine	13.93	252	294639	34.27	ng #	91
82) Chrysene	13.96	228	1298324	53.62	ng	99
83) Bis(2-ethylhexyl)phthalate	13.96	149	1115904	53.59	ng #	99
84) Di-n-octyl phthalate	14.57	149	1742710	55.14	ng #	87
85) Indeno(1,2,3-cd)pyrene	16.76	276	1208319	57.20	ng #	90
87) Benzo(b)fluoranthene	15.01	252	2426374	105.21	ng #	86
88) Benzo(k)fluoranthene	15.01	252	2430609	104.87	ng #	86
89) Benzo(a)pyrene	15.32	252	1103923	51.02	ng #	90
90) Dibenzo(a,h)anthracene	16.77	278	1016961	48.95	ng #	83
91) Benzo(g,h,i)perylene	17.17	276	971821	48.23	ng #	78

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

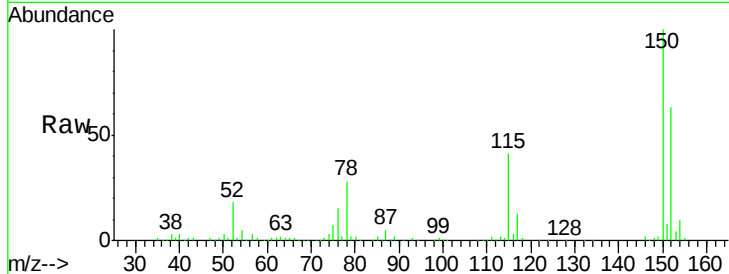


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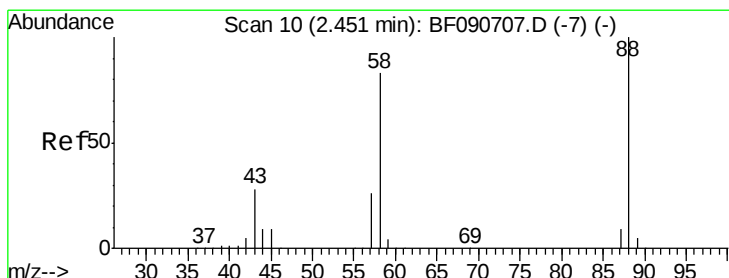
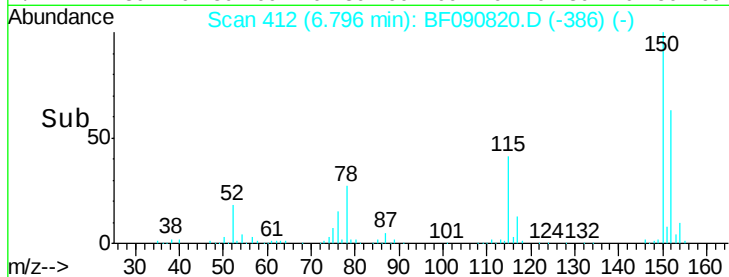
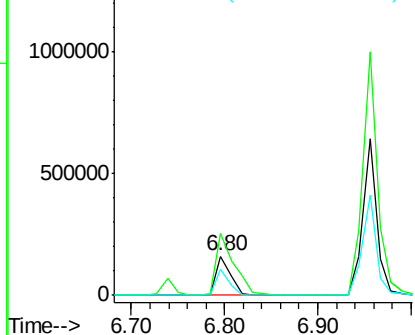
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. 0.00 min
Lab File: BF090820.D
Acq: 25 Oct 2016 21:06

Instrument :
BNA_F
ClientSampleId :
BOTTOM-NORTHMS

Tgt Ion: 152 Resp: 176060
Ion Ratio Lower Upper
152 100
150 158.5 124.7 187.1
115 65.7 39.0 58.4#



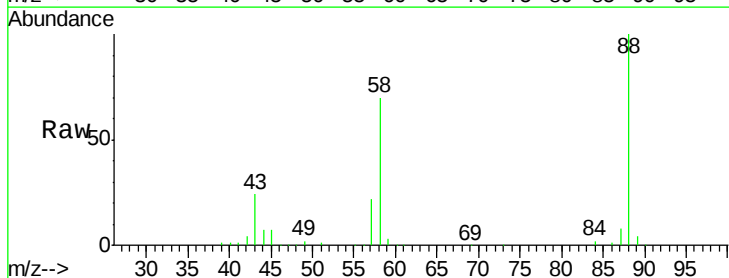
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



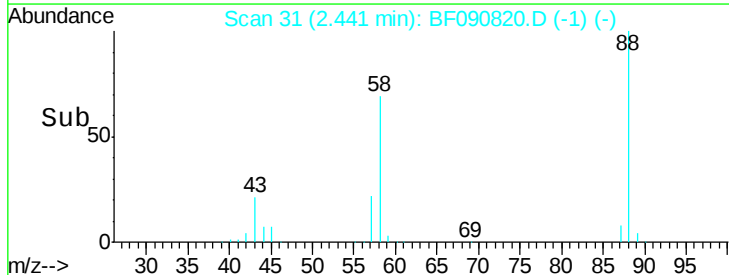
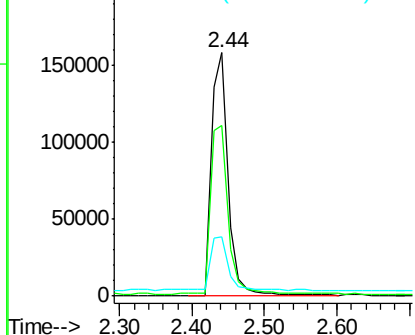
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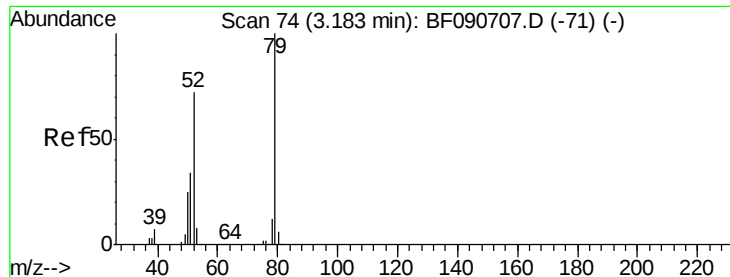
1,4-Dioxane
Concen: 39.40 ng
RT: 2.44 min Scan# 31
Delta R.T. 0.09 min
Lab File: BF090820.D
Acq: 25 Oct 2016 21:06

Tgt Ion: 88 Resp: 248874
Ion Ratio Lower Upper
88 100
58 73.1 77.7 116.5#
43 25.0 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: 47.14 ng

RT: 3.14 min Scan# 92

Delta R.T. 0.08 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMS

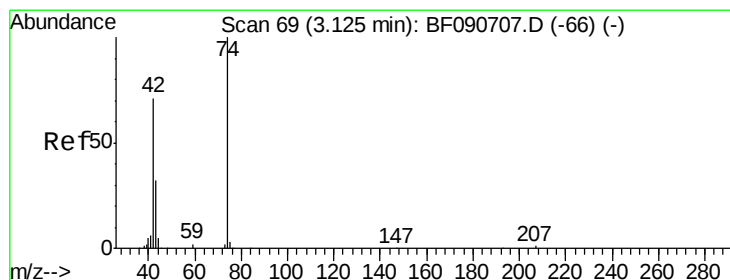
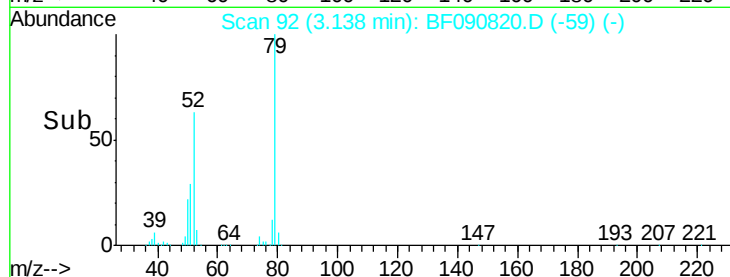
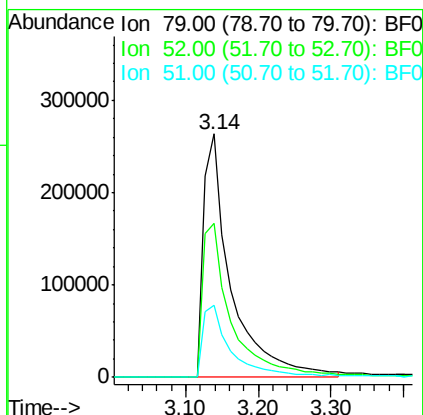
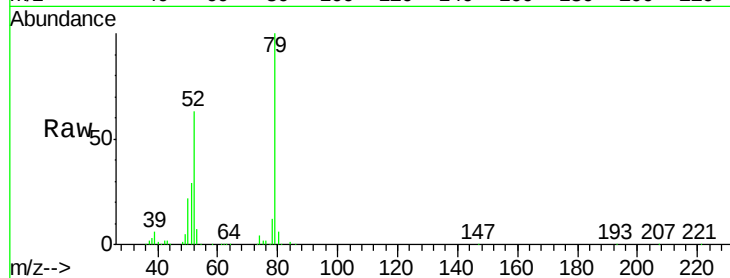
Tgt Ion: 79 Resp: 697698

Ion Ratio Lower Upper

79 100

52 63.1 76.8 115.2#

51 29.5 32.2 48.4#



#4

n-Nitrosodimethylamine

Concen: 47.55 ng

RT: 3.09 min Scan# 88

Delta R.T. 0.08 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

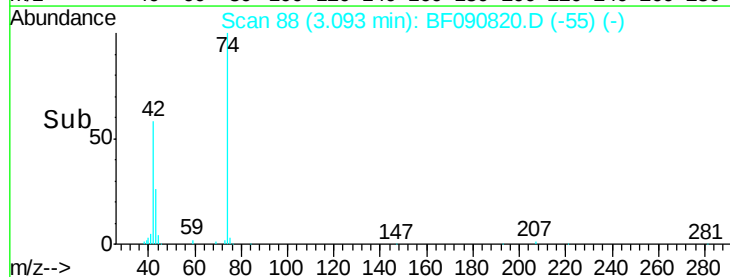
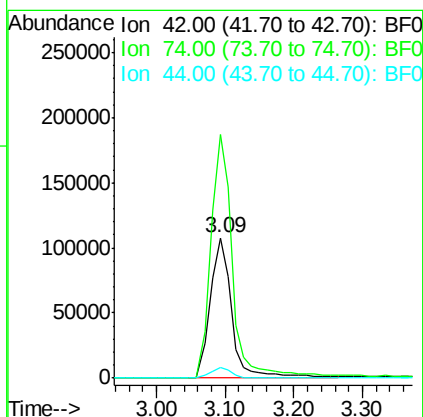
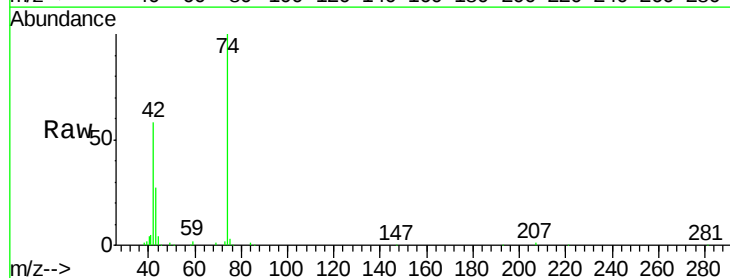
Tgt Ion: 42 Resp: 240824

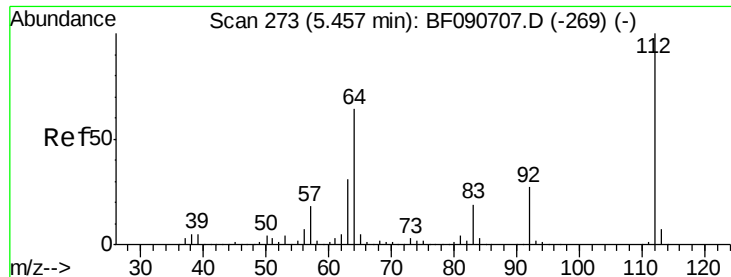
Ion Ratio Lower Upper

42 100

74 173.8 105.0 157.6#

44 7.5 6.6 10.0





#5

2-Fluorophenol

Concen: 149.32 ng

RT: 5.41 min Scan# 291

Delta R.T. 0.02 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMS

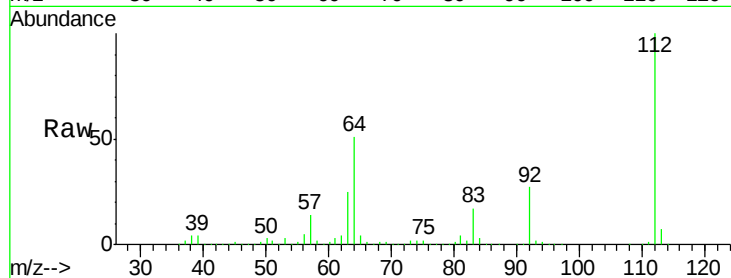
Tgt Ion: 112 Resp: 1630092

Ion Ratio Lower Upper

112 100

64 50.6 39.7 59.5

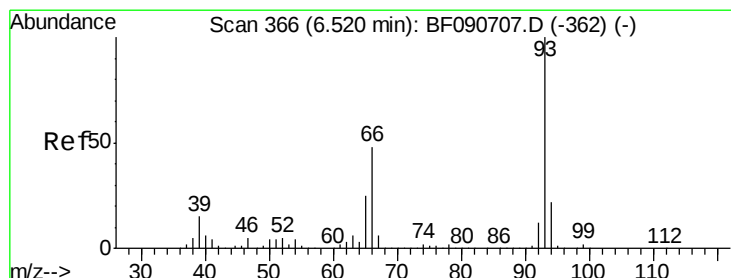
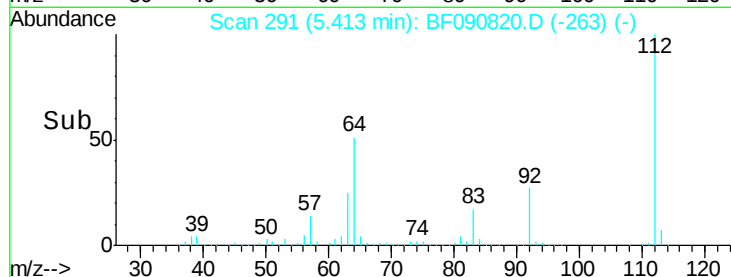
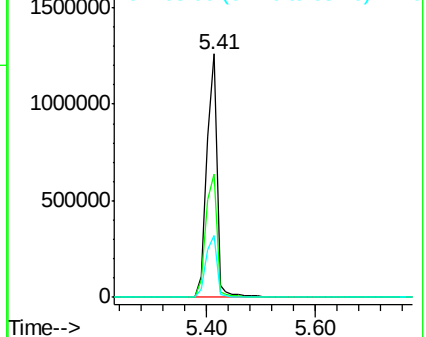
63 25.4 17.4 26.0



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: 27.80 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

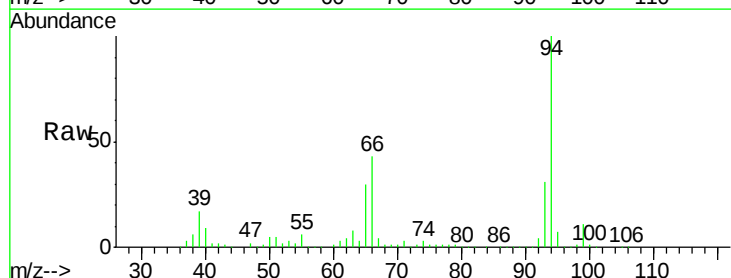
Tgt Ion: 93 Resp: 466086

Ion Ratio Lower Upper

93 100

66 141.7 27.2 40.8#

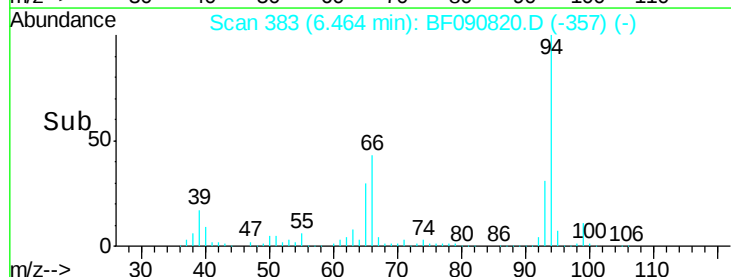
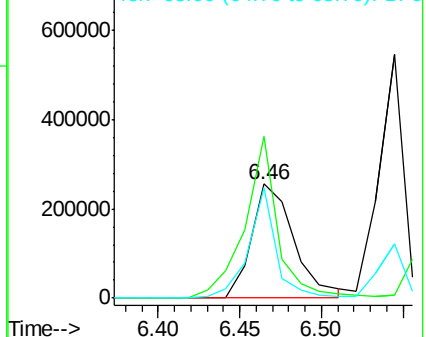
65 96.5 14.7 22.1#

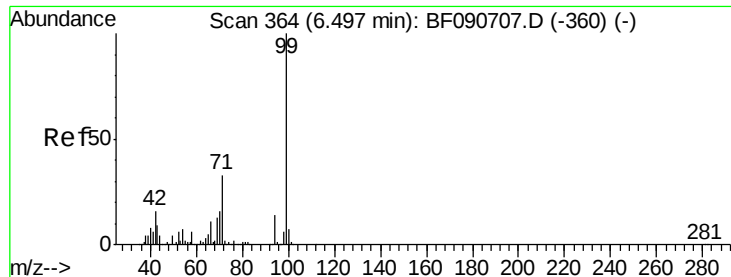


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 127.25 ng

RT: 6.45 min Scan# 382

Delta R.T. 0.01 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

Instrument :

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ClientSampleId :

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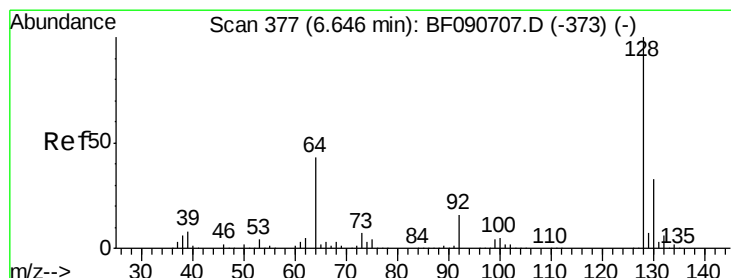
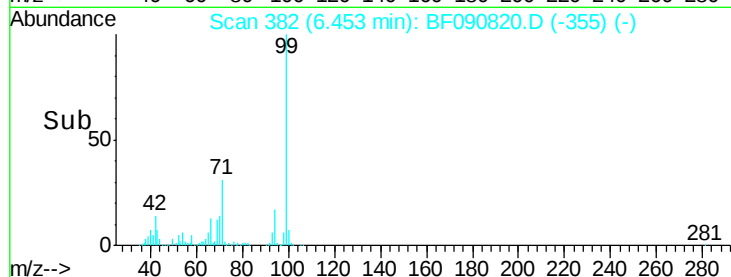
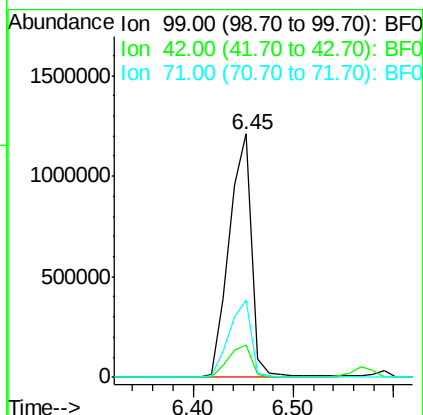
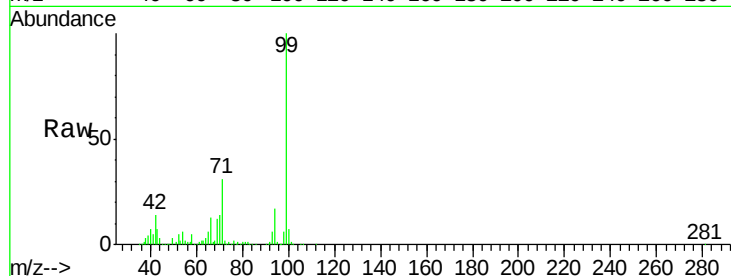
Tgt Ion: 99 Resp: 1881654

Ion Ratio Lower Upper

99 100

42 13.6 13.7 20.5#

71 31.5 14.2 21.2#



#8

2-Chlorophenol

Concen: 46.52 ng

RT: 6.59 min Scan# 394

Delta R.T. 0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

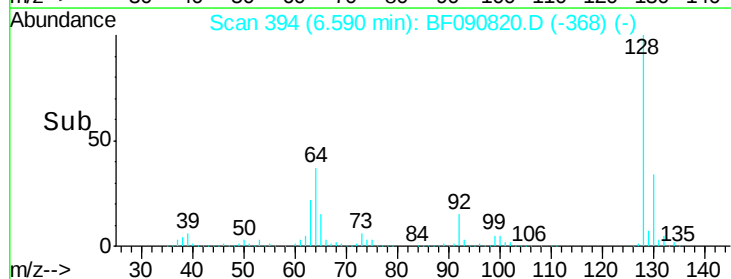
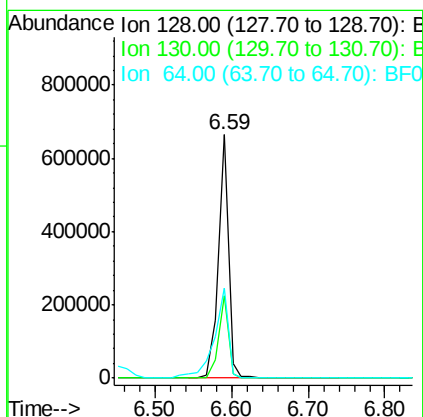
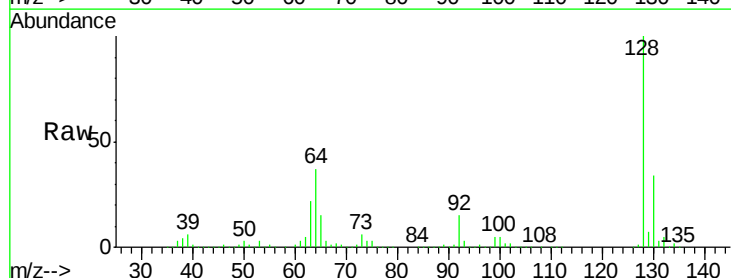
Tgt Ion: 128 Resp: 609620

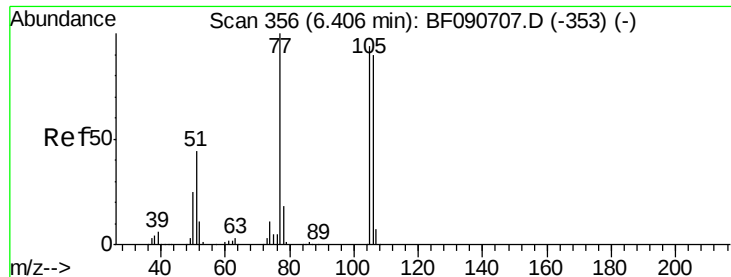
Ion Ratio Lower Upper

128 100

130 33.9 12.2 52.2

64 37.1 20.5 60.5





#9

Benzaldehyde

Concen: 12.27 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMS

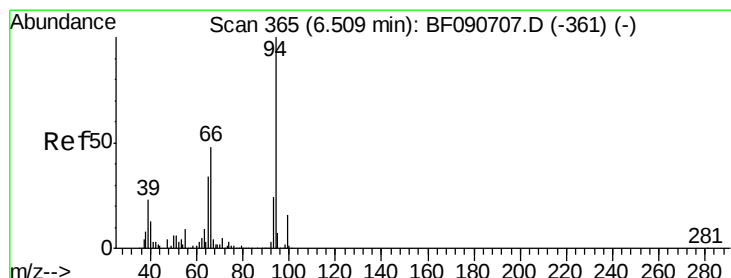
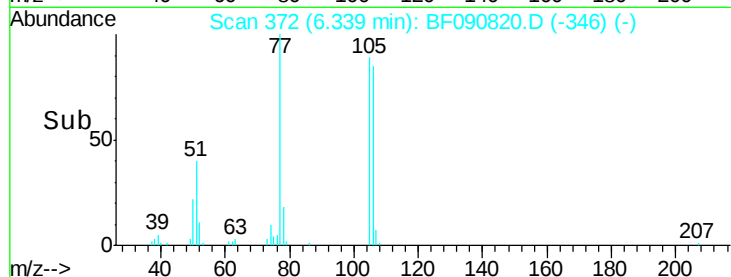
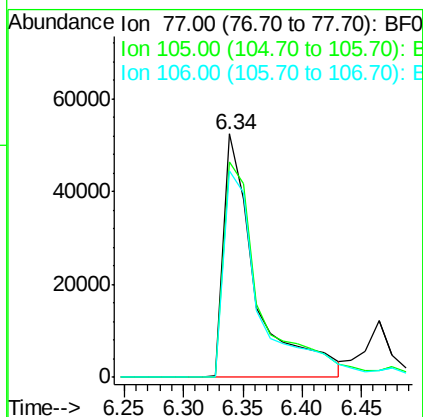
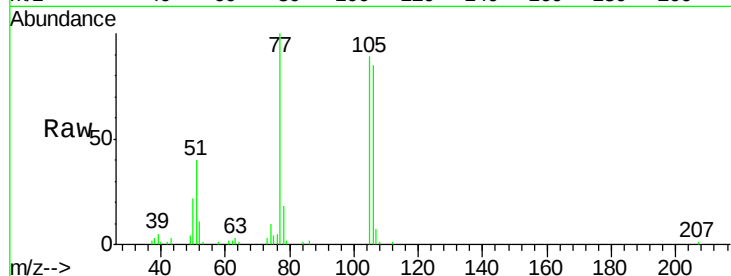
Tgt Ion: 77 Resp: 99219

Ion Ratio Lower Upper

77 100

105 88.6 91.6 131.6#

106 84.8 102.6 142.6#



#10

Phenol

Concen: 48.90 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.01 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

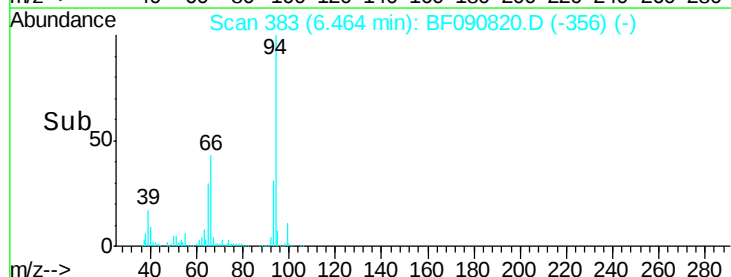
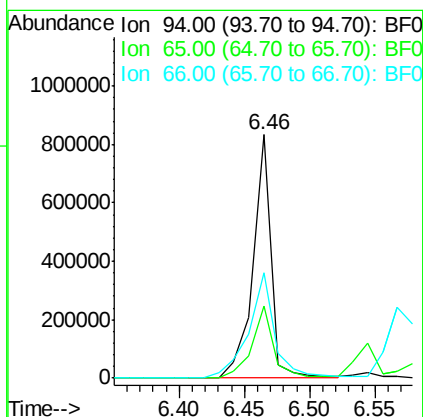
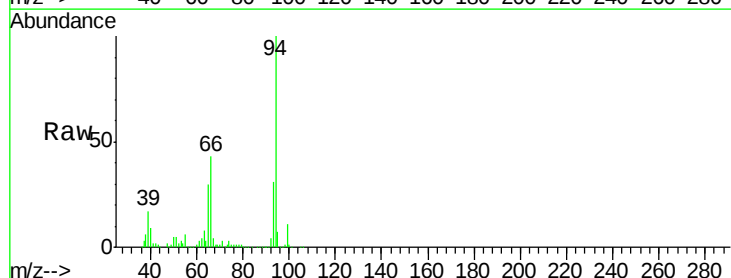
Tgt Ion: 94 Resp: 812835

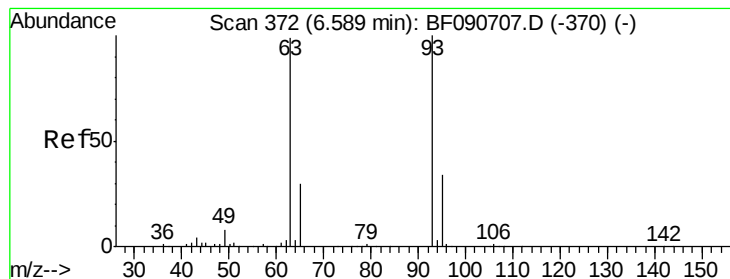
Ion Ratio Lower Upper

94 100

65 29.6 0.7 40.7

66 43.5 0.8 40.8#





#11

bis(2-Chloroethyl)ether

Concen: 44.12 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMS

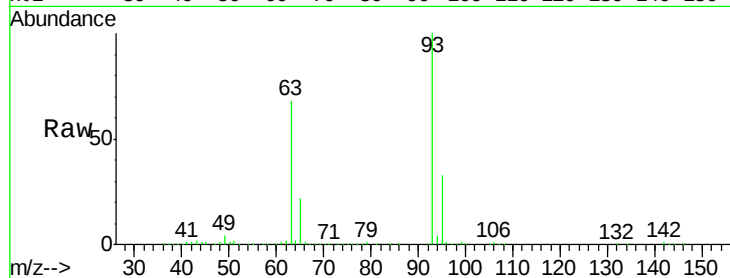
Tgt Ion: 93 Resp: 616146

Ion Ratio Lower Upper

93 100

63 67.6 65.6 105.6

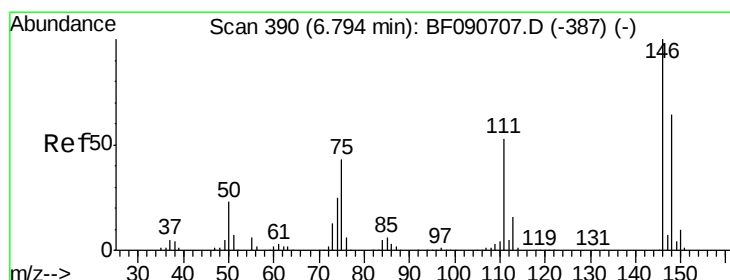
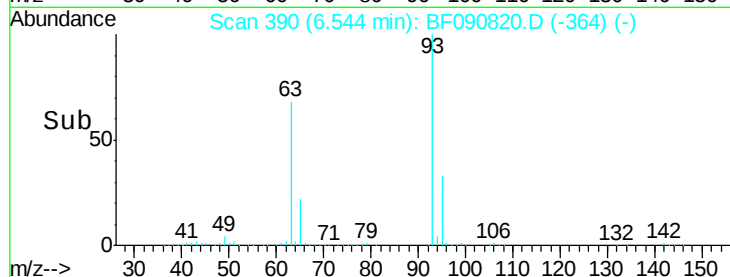
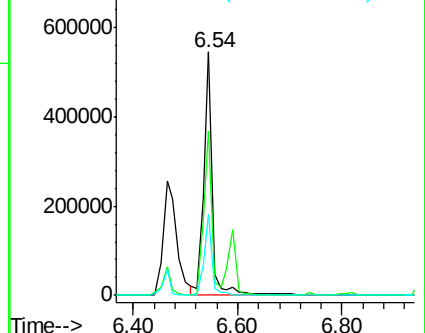
95 33.3 13.6 53.6



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: 47.39 ng

RT: 6.74 min Scan# 407

Delta R.T. 0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

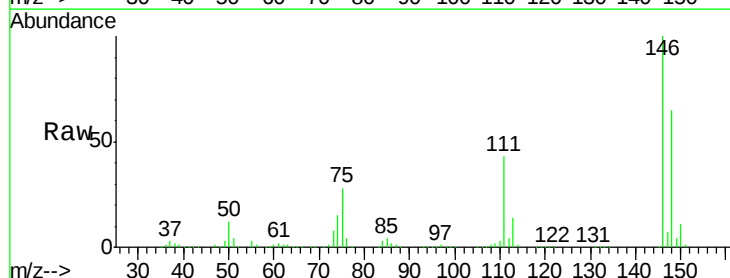
Tgt Ion: 146 Resp: 623769

Ion Ratio Lower Upper

146 100

148 65.1 51.0 76.4

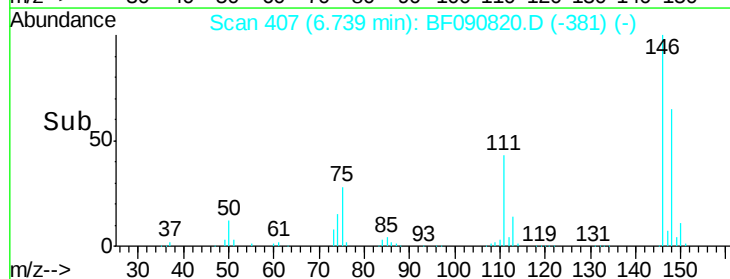
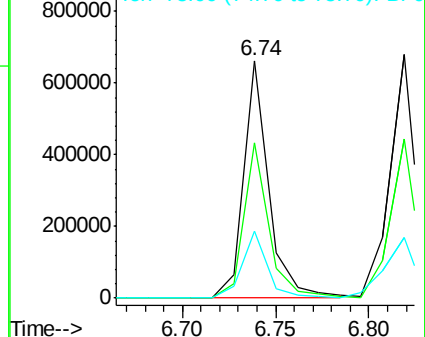
75 28.2 15.0 22.6#

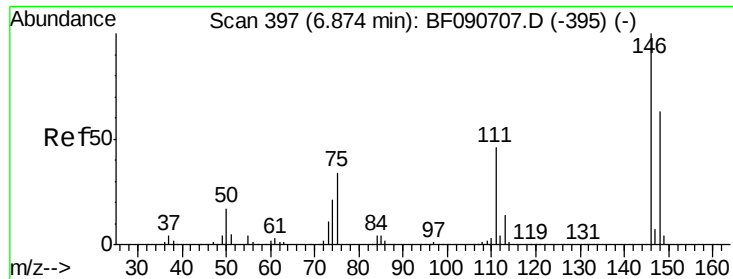


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

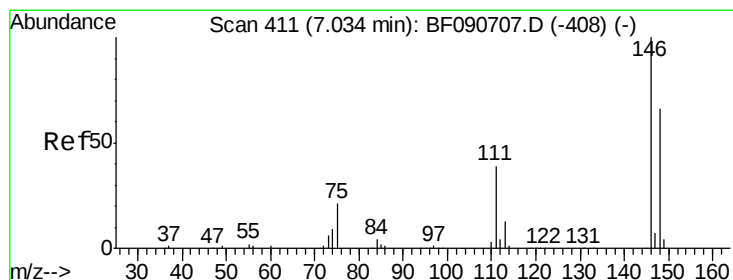
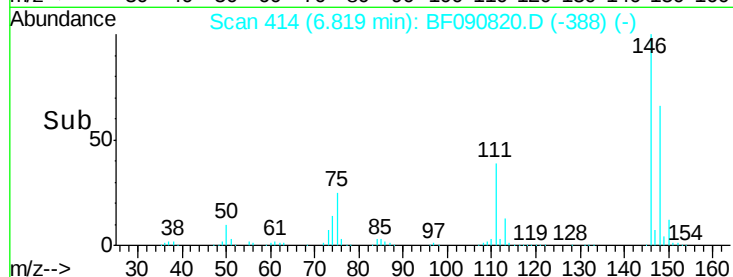
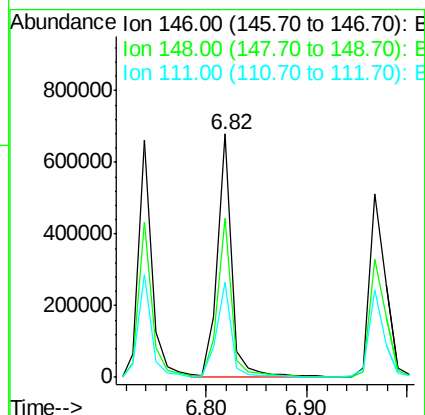
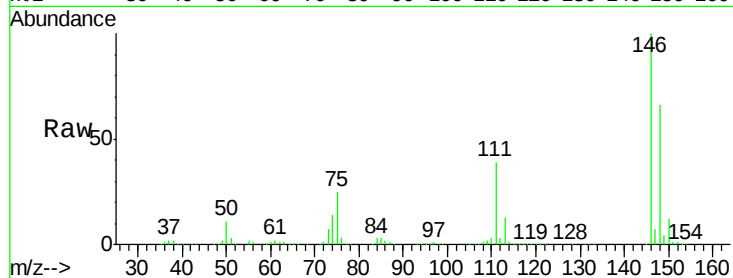




#13
 1,4-Dichlorobenzene
 Concen: 48.89 ng
 RT: 6.82 min Scan# 414
 Delta R.T. 0.00 min
 Lab File: BF090820.D
 Acq: 25 Oct 2016 21:06

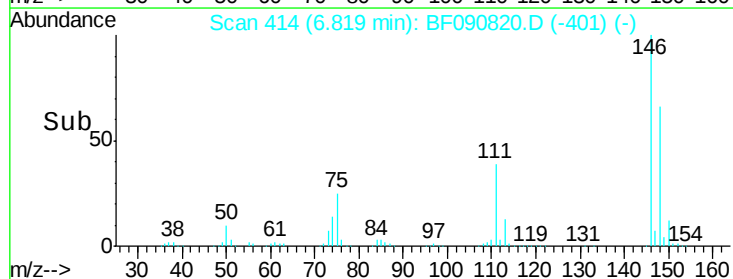
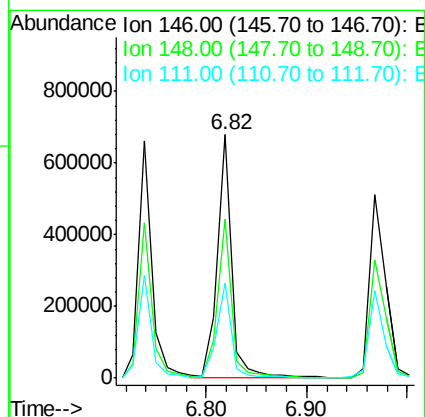
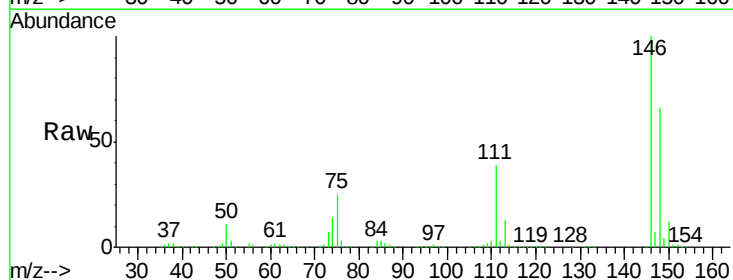
Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-NORTHMS

Tgt Ion:146 Resp: 682685
 Ion Ratio Lower Upper
 146 100
 148 65.6 51.8 77.6
 111 39.1 24.9 37.3#



#14
 1,2-Dichlorobenzene
 Concen: 50.27 ng
 RT: 6.82 min Scan# 414
 Delta R.T. -0.15 min
 Lab File: BF090820.D
 Acq: 25 Oct 2016 21:06

Tgt Ion:146 Resp: 687121
 Ion Ratio Lower Upper
 146 100
 148 65.6 52.7 79.1
 111 39.1 28.8 43.2





#15

Benzyl Alcohol

Concen: 43.44 ng

RT: 6.96 min Scan# 426

Delta R.T. 0.01 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMS

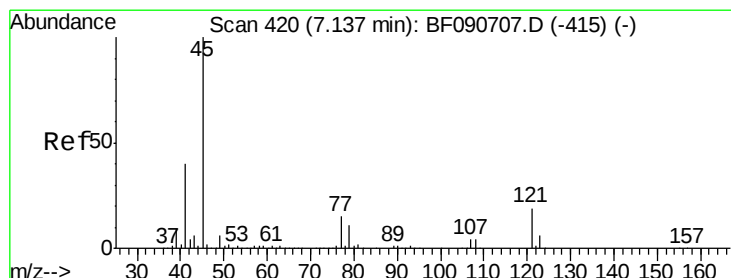
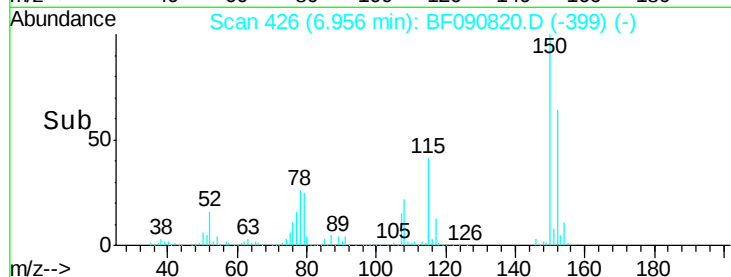
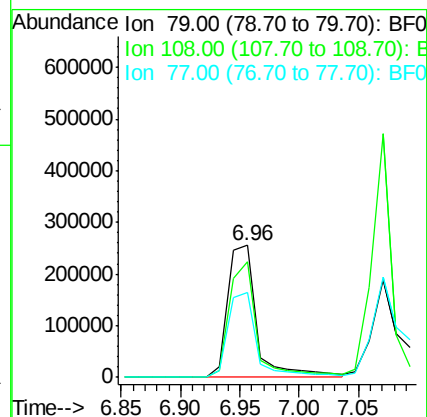
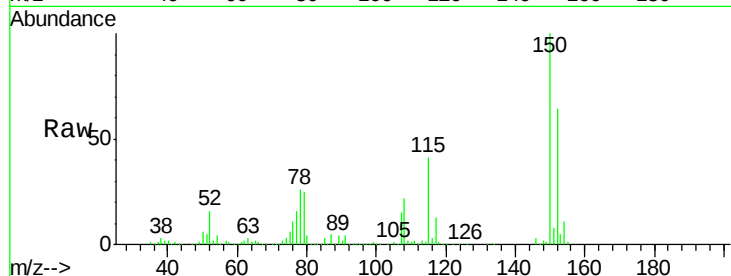
Tgt Ion: 79 Resp: 436275

Ion Ratio Lower Upper

79 100

108 88.0 88.6 132.8#

77 64.4 47.0 70.4



#16

2,2'-oxybis(1-Chloropropane)

Concen: 25.59 ng

RT: 7.08 min Scan# 437

Delta R.T. 0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

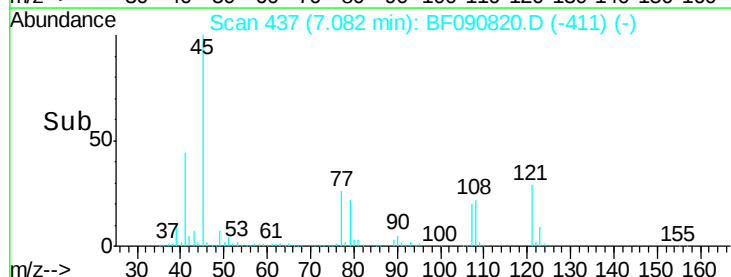
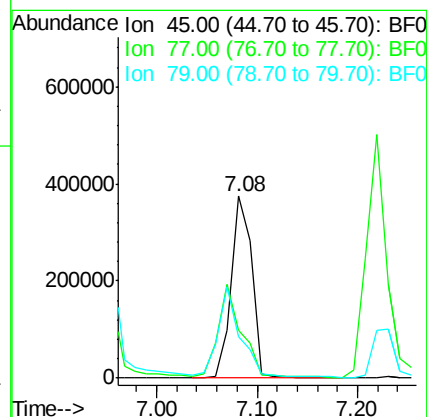
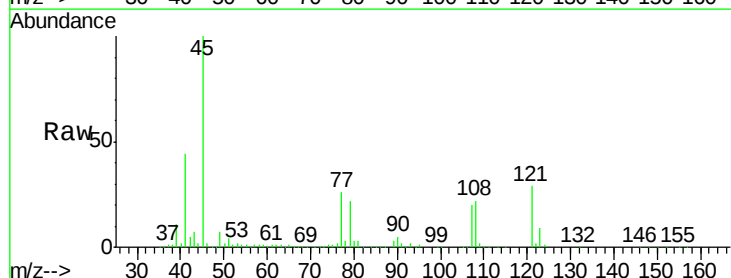
Tgt Ion: 45 Resp: 535168

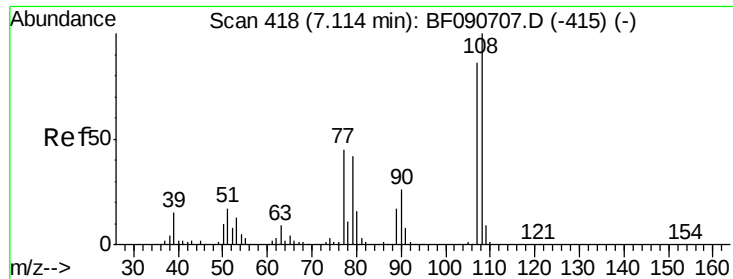
Ion Ratio Lower Upper

45 100

77 26.2 0.0 28.1

79 22.4 0.0 26.0

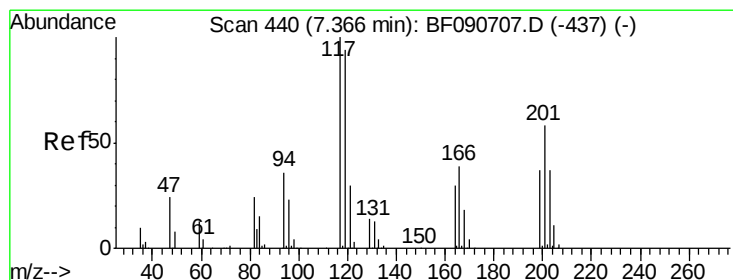
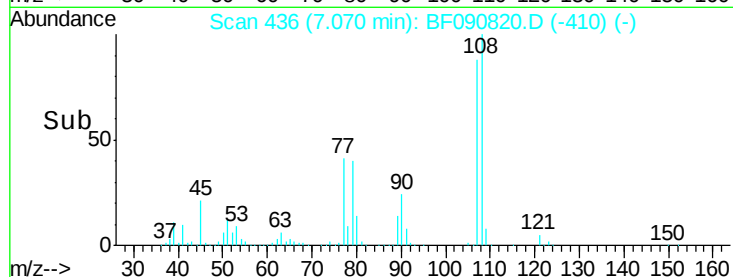
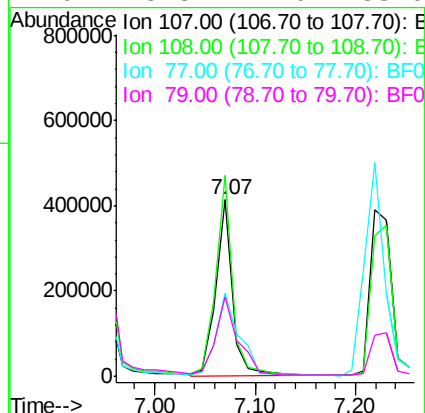
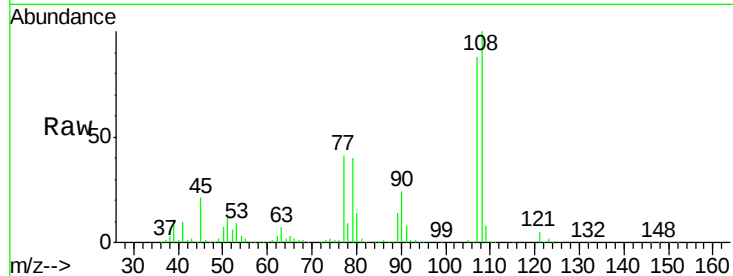




#17
2-Methylphenol
Concen: 48.37 ng
RT: 7.07 min Scan# 436
Delta R.T. -0.00 min
Lab File: BF090820.D
Acq: 25 Oct 2016 21:06

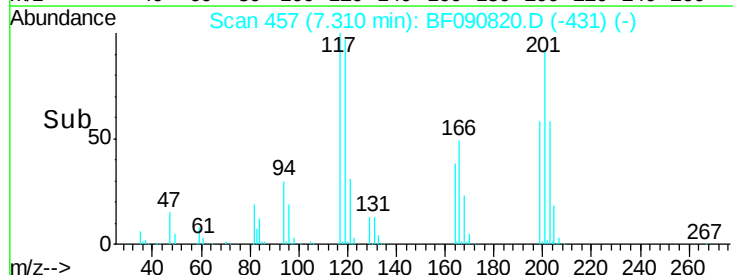
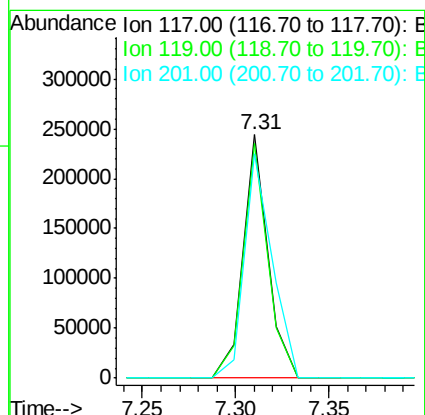
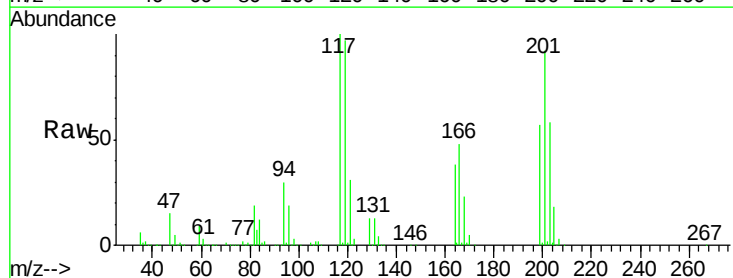
Instrument :
BNA_F
ClientSampleId :
BOTTOM-NORTHMS

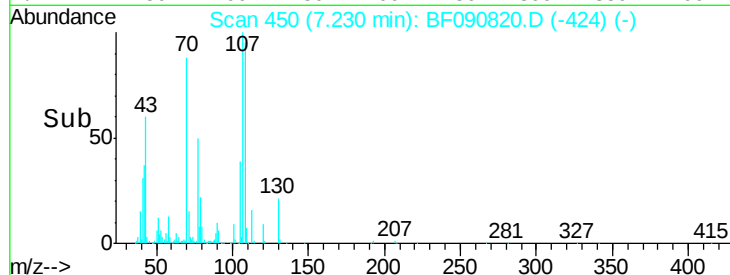
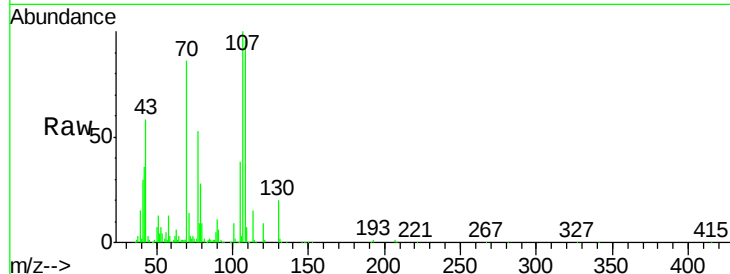
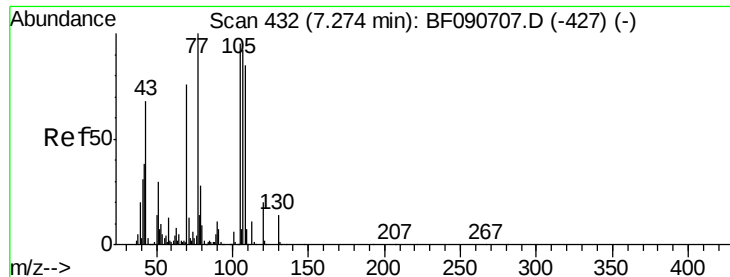
Tgt Ion:107 Resp: 477580
Ion Ratio Lower Upper
107 100
108 113.7 96.6 145.0
77 46.8 23.3 34.9#
79 45.3 22.0 33.0#



#18
Hexachloroethane
Concen: 39.97 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.00 min
Lab File: BF090820.D
Acq: 25 Oct 2016 21:06

Tgt Ion:117 Resp: 226553
Ion Ratio Lower Upper
117 100
119 96.6 83.8 125.6
201 91.9 55.1 82.7#

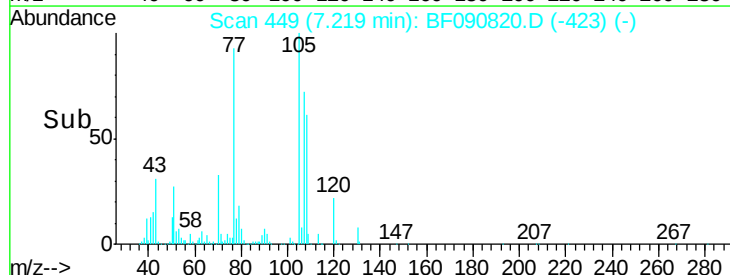
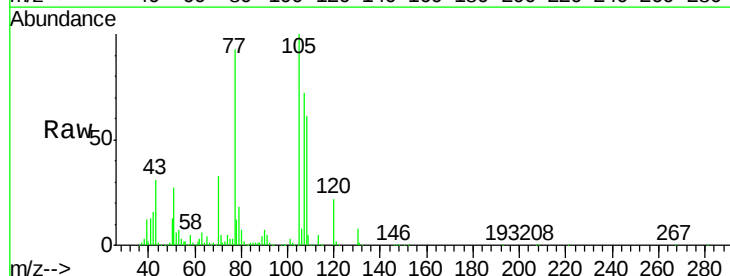
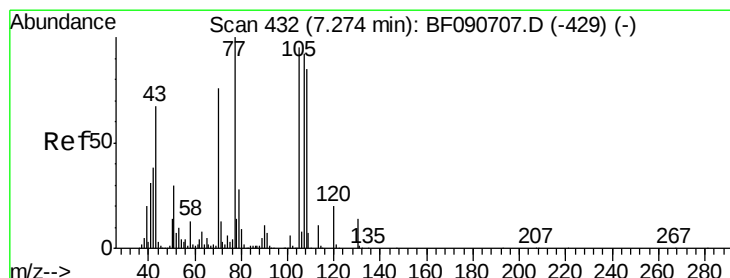
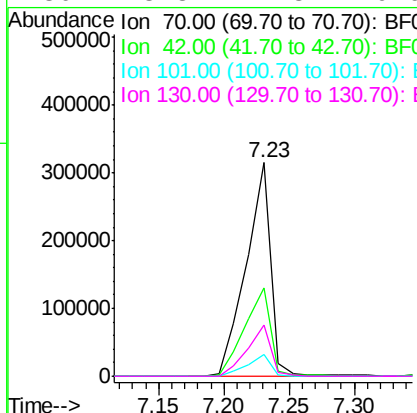




#19
n-Nitroso-di-n-propylamine
Concen: 37.61 ng
RT: 7.23 min Scan# 450
Delta R.T. -0.00 min
Lab File: BF090820.D
Acq: 25 Oct 2016 21:06

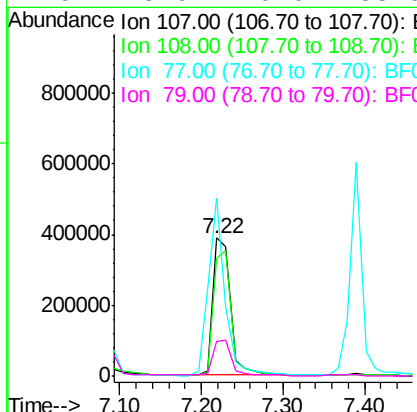
Instrument :
BNA_F
ClientSampleId :
BOTTOM-NORTHMS

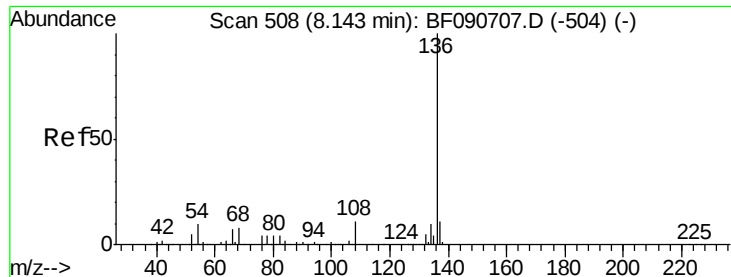
Tgt Ion: 70 Resp: 414166
Ion Ratio Lower Upper
70 100
42 41.6 63.8 95.6#
101 10.2 9.2 13.8
130 23.8 27.3 40.9#



#20
3+4-Methylphenols
Concen: 50.04 ng
RT: 7.22 min Scan# 449
Delta R.T. 0.00 min
Lab File: BF090820.D
Acq: 25 Oct 2016 21:06

Tgt Ion: 107 Resp: 585644
Ion Ratio Lower Upper
107 100
108 85.1 74.6 114.6
77 128.6 0.7 40.7#
79 25.0 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: BF090820.D

Acq: 25 Oct 2016 21:06

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMS

Tgt Ion:136 Resp: 757187

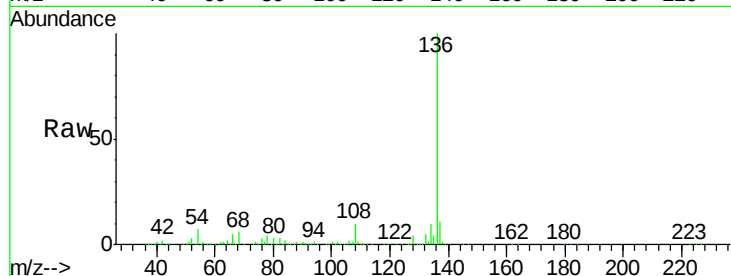
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 6.5 8.2 12.2#

68 6.1 5.8 8.6

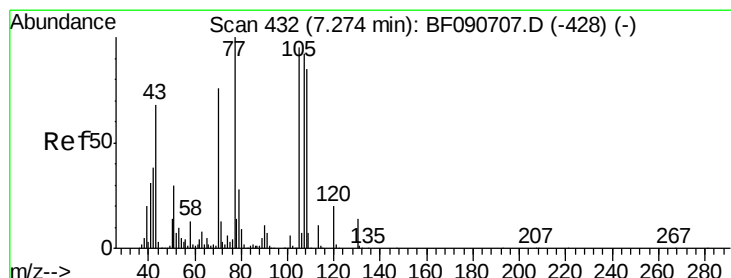
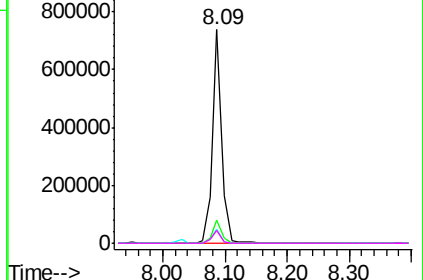
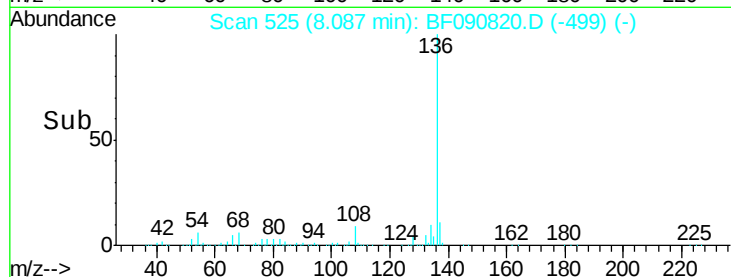


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 45.30 ng

RT: 7.22 min Scan# 449

Delta R.T. 0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

Tgt Ion:105 Resp: 764463

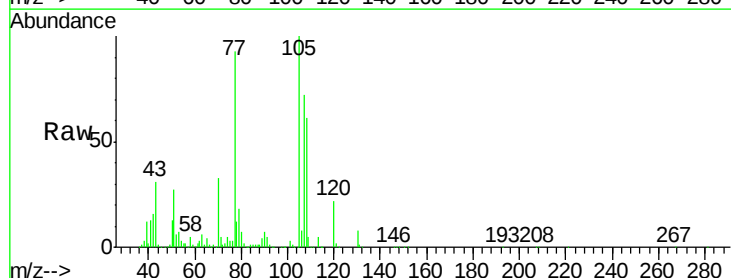
Ion Ratio Lower Upper

105 100

71 5.4 4.7 7.1

51 27.4 22.0 33.0

120 22.3 30.1 45.1#

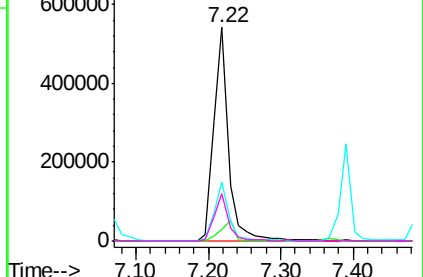
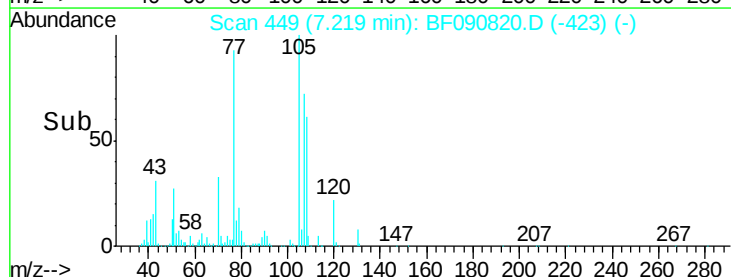


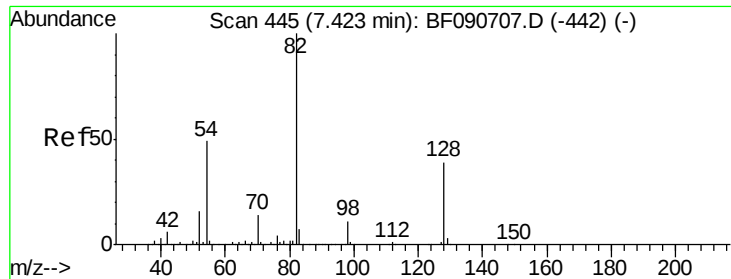
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

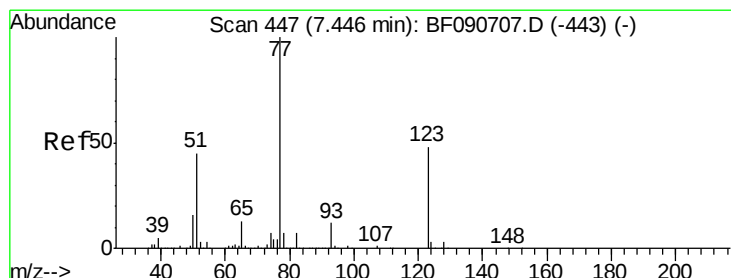
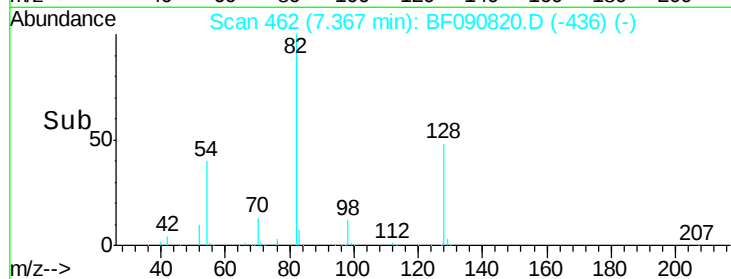
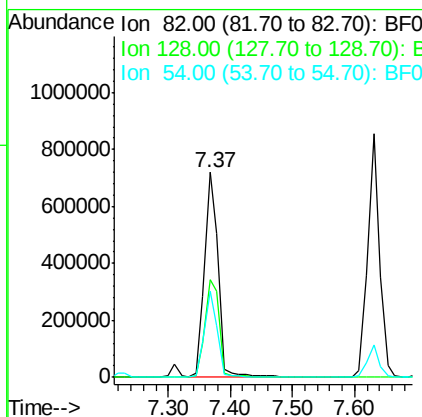
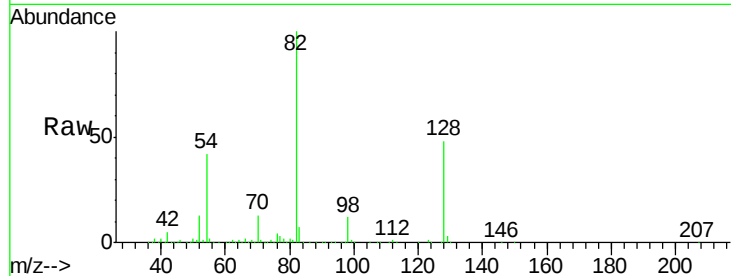




#23
 Nitrobenzene-d5
 Concen: 80.75 ng
 RT: 7.37 min Scan# 462
 Delta R.T. 0.00 min
 Lab File: BF090820.D
 Acq: 25 Oct 2016 21:06

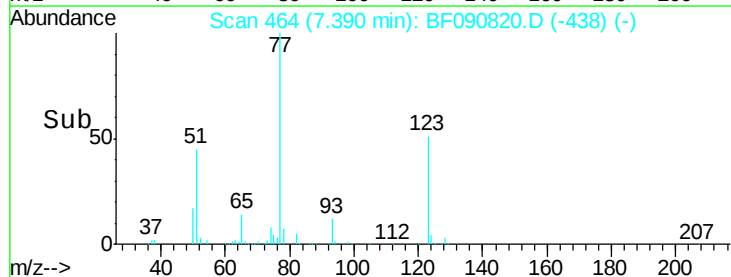
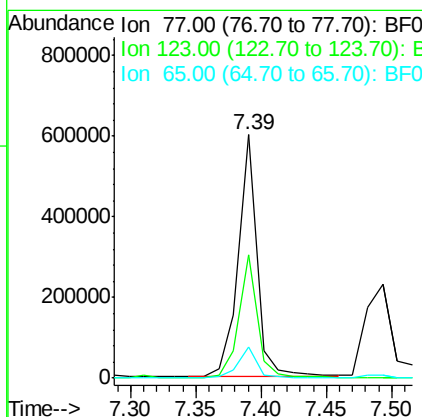
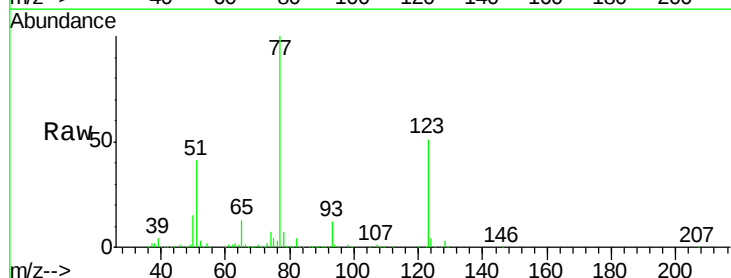
Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-NORTHMS

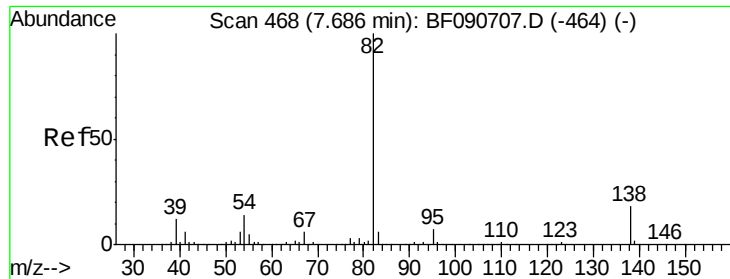
Tgt Ion: 82 Resp: 1114730
 Ion Ratio Lower Upper
 82 100
 128 47.8 51.0 76.6#
 54 41.9 47.5 71.3#



#24
 Nitrobenzene
 Concen: 40.38 ng
 RT: 7.39 min Scan# 464
 Delta R.T. -0.00 min
 Lab File: BF090820.D
 Acq: 25 Oct 2016 21:06

Tgt Ion: 77 Resp: 604319
 Ion Ratio Lower Upper
 77 100
 123 50.9 59.8 89.8#
 65 12.8 10.2 15.4





#25

Isophorone

Concen: 42.75 ng

RT: 7.63 min Scan# 485

Delta R.T. 0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMS

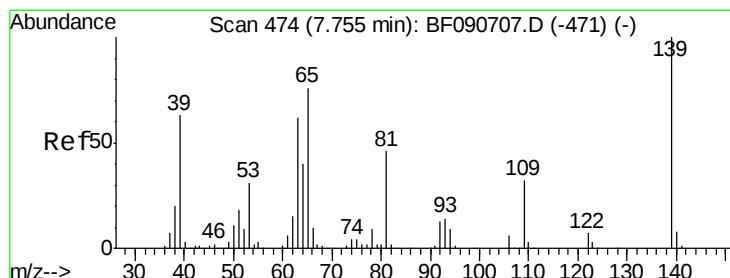
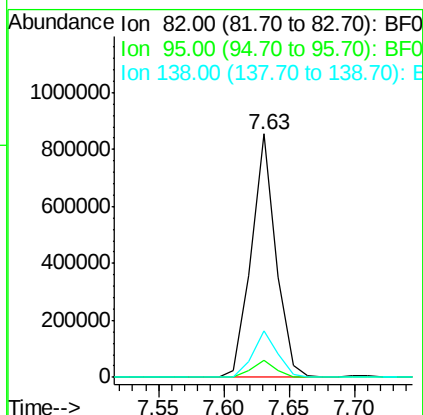
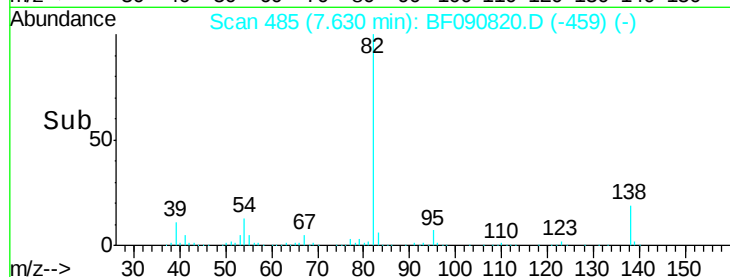
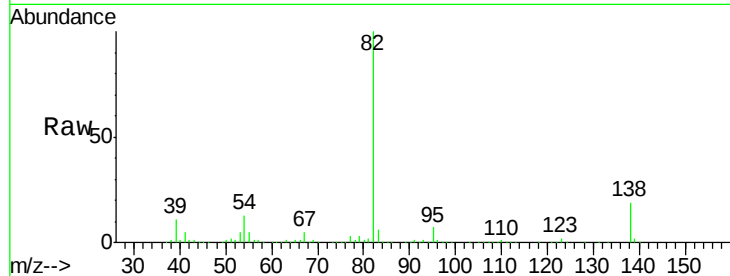
Tgt Ion: 82 Resp: 1117228

Ion Ratio Lower Upper

82 100

95 6.9 4.0 6.0#

138 19.2 18.3 27.5



#26

2-Nitrophenol

Concen: 59.70 ng

RT: 7.71 min Scan# 492

Delta R.T. 0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

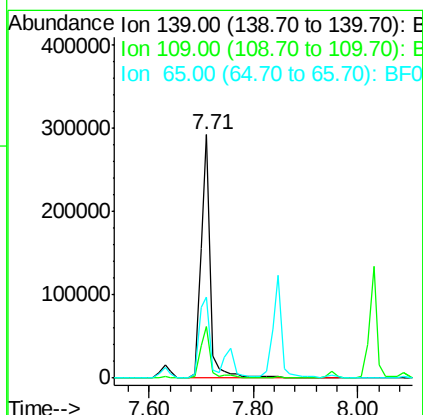
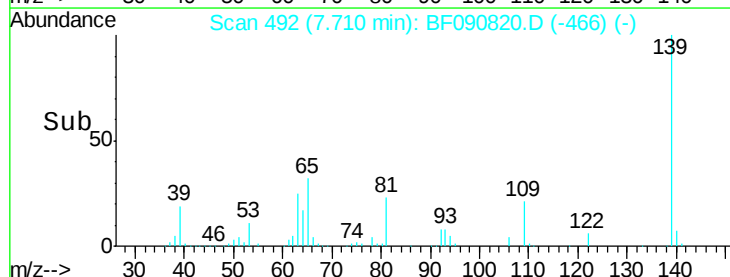
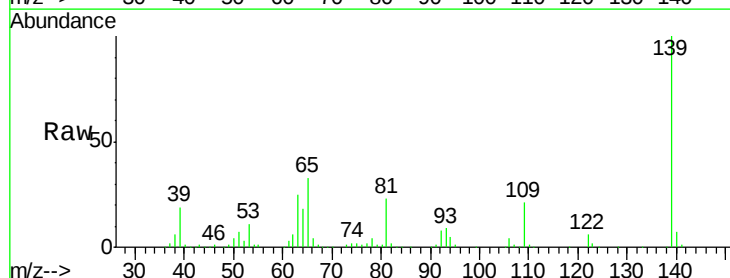
Tgt Ion: 139 Resp: 365001

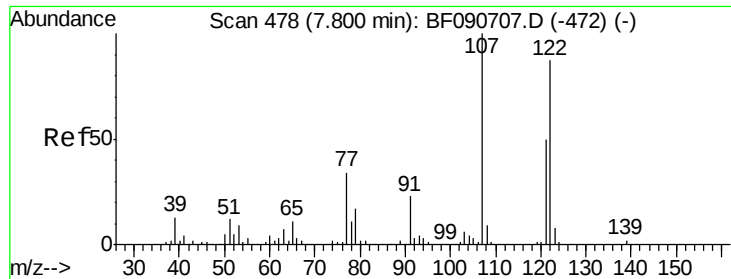
Ion Ratio Lower Upper

139 100

109 21.3 11.0 16.4#

65 33.3 24.7 37.1





#27

2,4-Dimethylphenol

Concen: 52.55 ng

RT: 7.76 min Scan# 496

Delta R.T. -0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMS

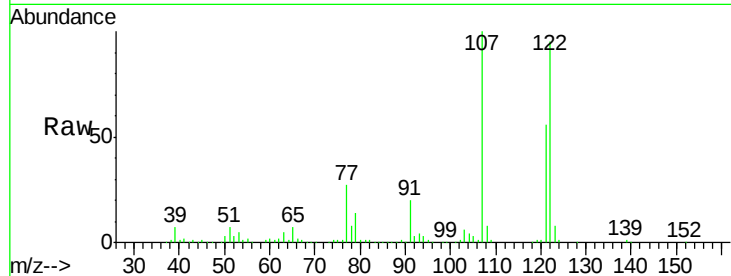
Tgt Ion:122 Resp: 569714

Ion Ratio Lower Upper

122 100

107 105.6 71.8 107.6

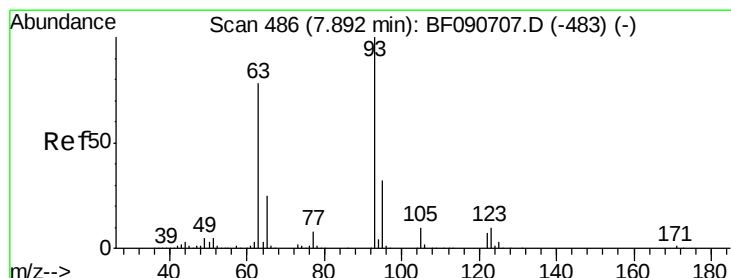
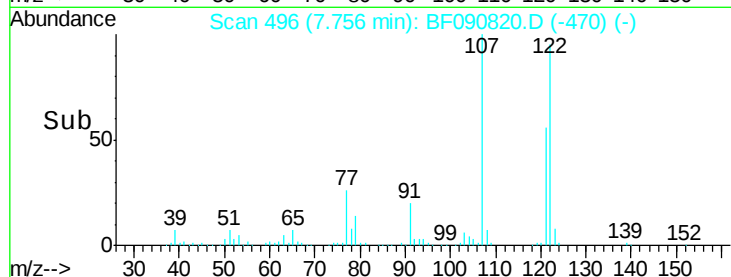
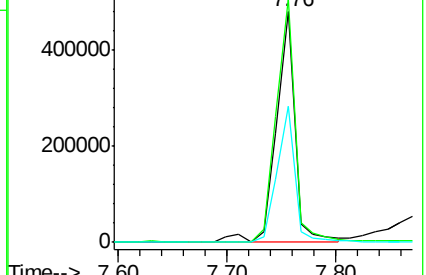
121 58.9 42.3 63.5



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: 51.83 ng

RT: 7.85 min Scan# 504

Delta R.T. 0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

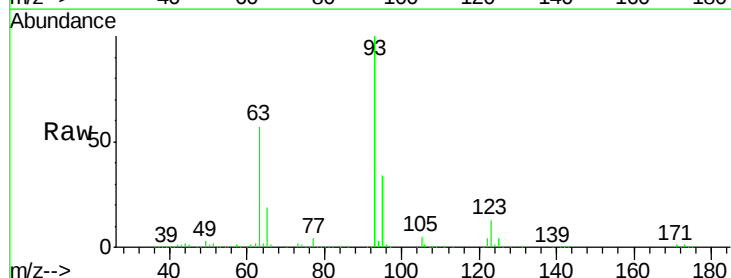
Tgt Ion: 93 Resp: 741011

Ion Ratio Lower Upper

93 100

95 33.6 27.5 41.3

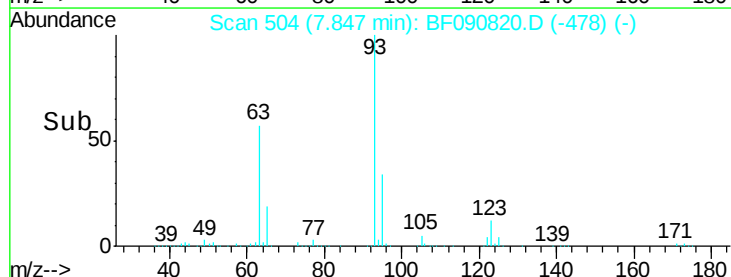
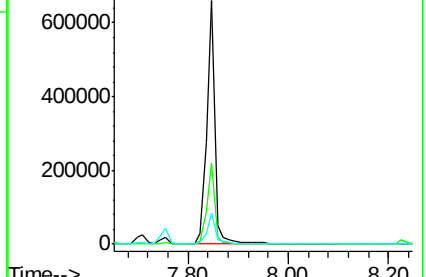
123 12.6 13.7 20.5#

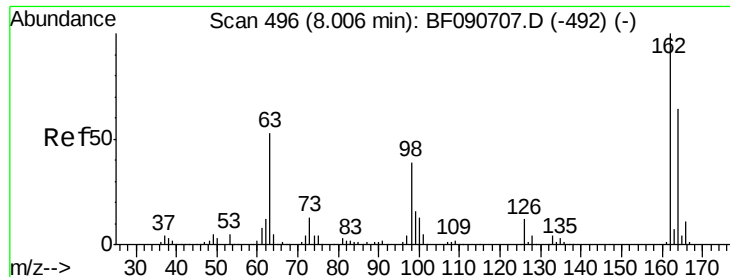


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

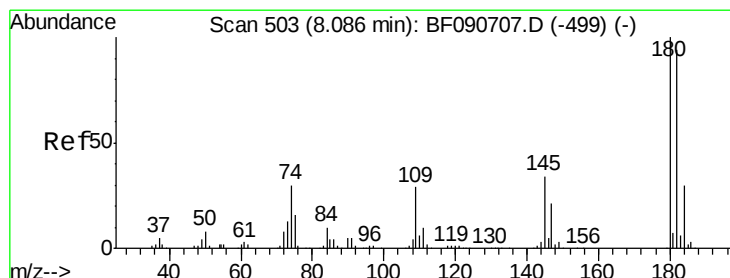
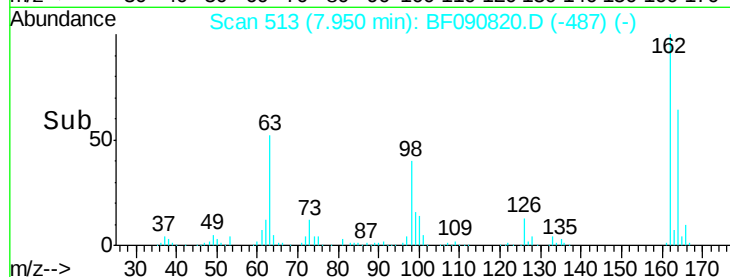
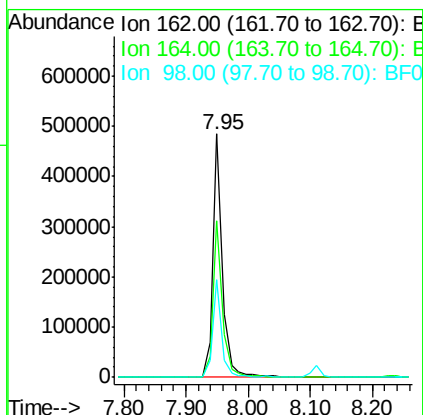
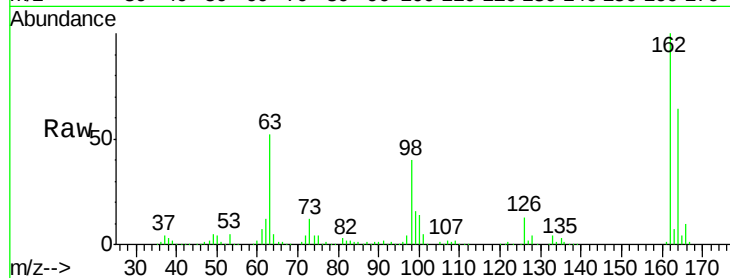




#29
 2,4-Dichlorophenol
 Concen: 57.79 ng
 RT: 7.95 min Scan# 513
 Delta R.T. 0.00 min
 Lab File: BF090820.D
 Acq: 25 Oct 2016 21:06

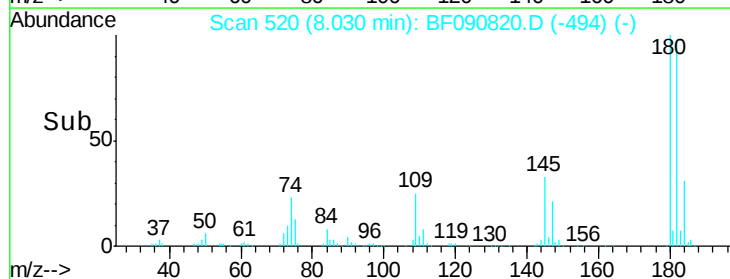
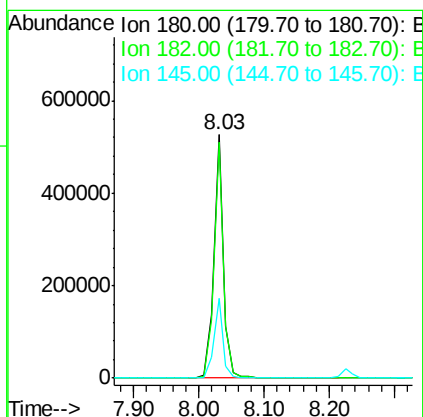
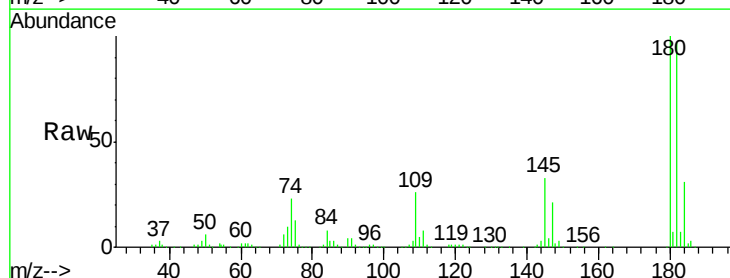
Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-NORTHMS

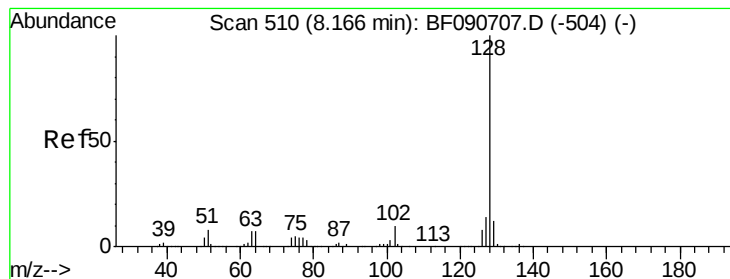
Tgt Ion:162 Resp: 514208
 Ion Ratio Lower Upper
 162 100
 164 64.1 44.9 84.9
 98 40.2 13.0 53.0



#30
 1,2,4-Trichlorobenzene
 Concen: 52.93 ng
 RT: 8.03 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: BF090820.D
 Acq: 25 Oct 2016 21:06

Tgt Ion:180 Resp: 554227
 Ion Ratio Lower Upper
 180 100
 182 96.9 77.1 115.7
 145 32.8 23.3 34.9





#31

Naphthalene

Concen: 46.90 ng

RT: 8.11 min Scan# 527

Delta R.T. 0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMS

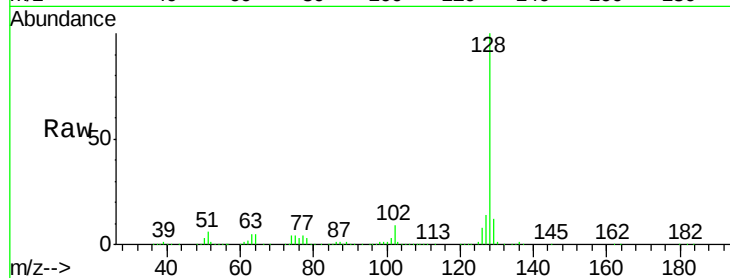
Tgt Ion:128 Resp: 1737324

Ion Ratio Lower Upper

128 100

129 11.6 8.4 12.6

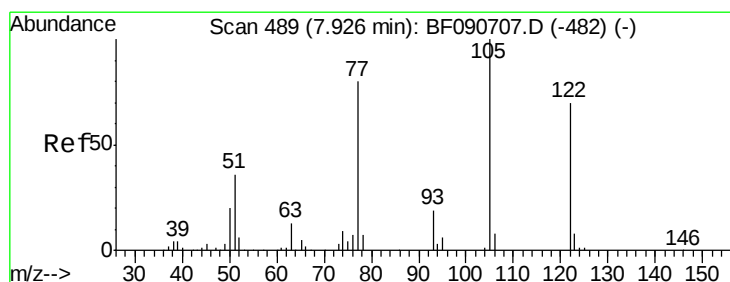
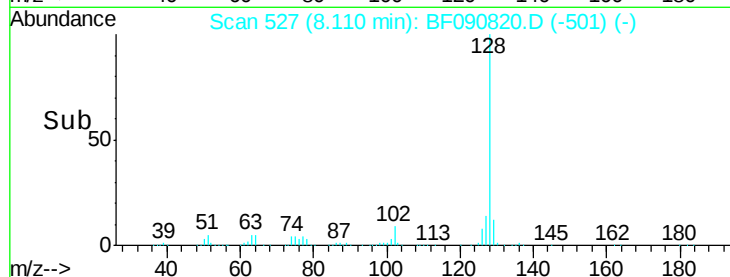
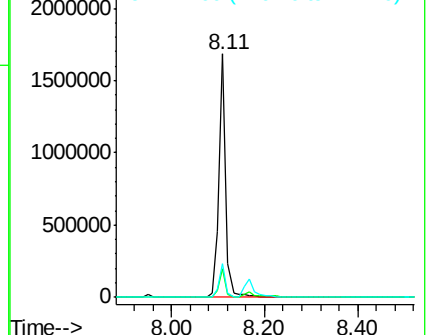
127 13.8 9.9 14.9



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 23.39 ng

RT: 7.87 min Scan# 506

Delta R.T. -0.03 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

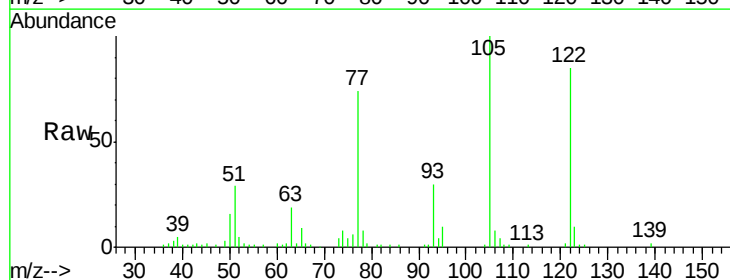
Tgt Ion:122 Resp: 143681

Ion Ratio Lower Upper

122 100

105 117.2 76.1 116.1#

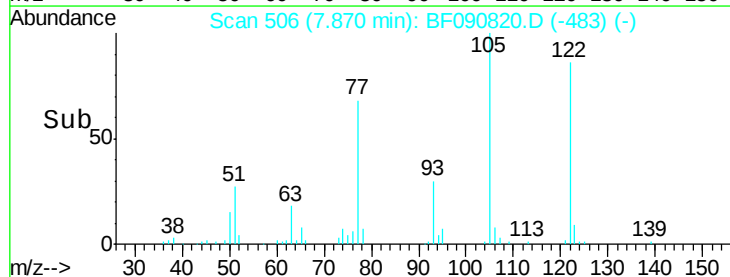
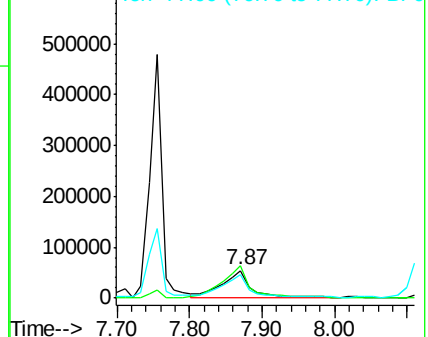
77 87.3 40.5 80.5#

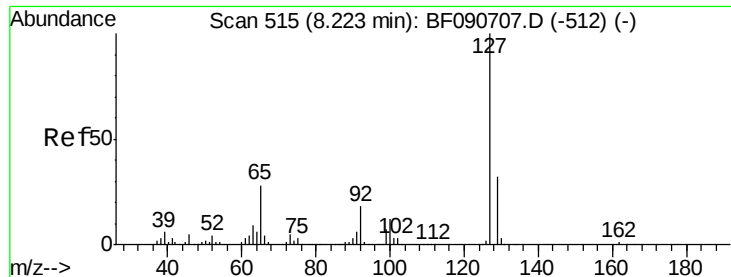


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

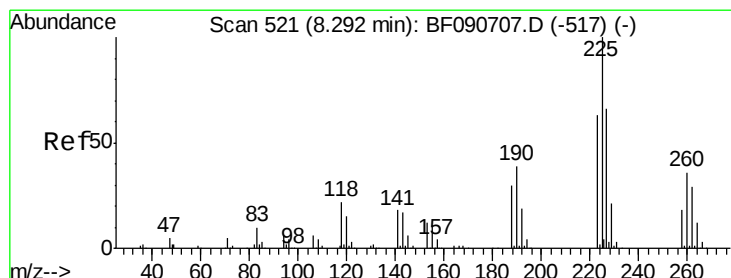
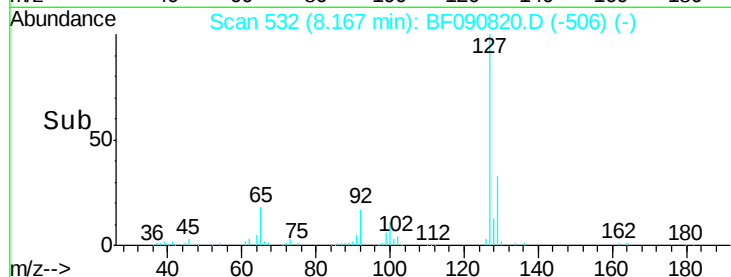
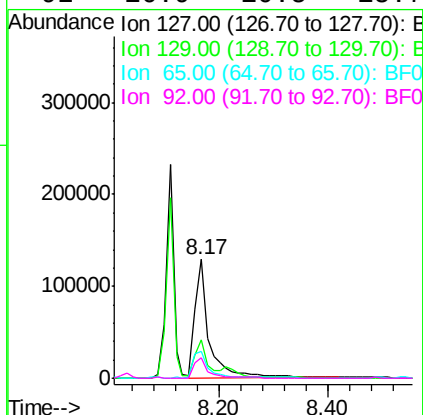
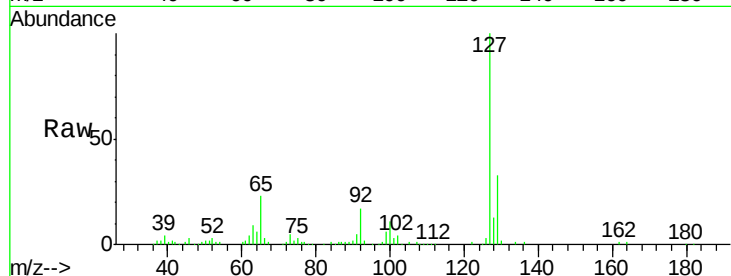




#33
4-Chloroaniline
Concen: 16.75 ng
RT: 8.17 min Scan# 532
Delta R.T. 0.00 min
Lab File: BF090820.D
Acq: 25 Oct 2016 21:06

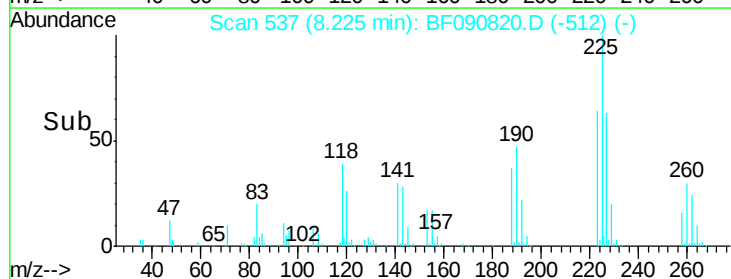
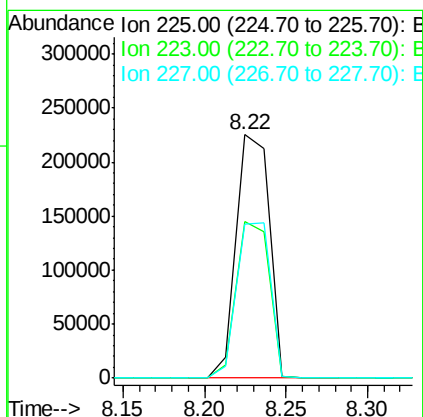
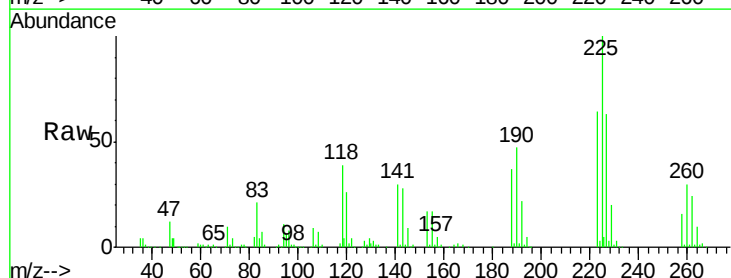
Instrument :
BNA_F
ClientSampleId :
BOTTOM-NORTHMS

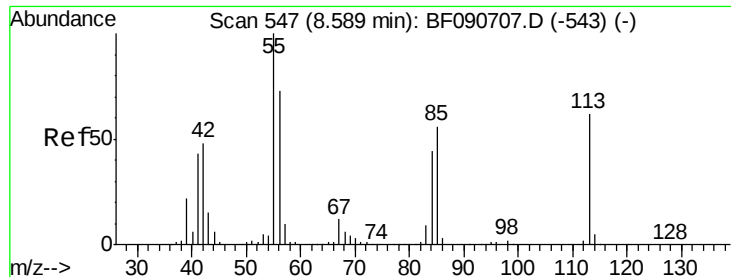
Tgt Ion:	127	Resp:	230146
Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.8	38.6
65	22.9	17.9	26.9
92	16.9	10.5	15.7#



#34
Hexachlorobutadiene
Concen: 53.57 ng
RT: 8.22 min Scan# 537
Delta R.T. -0.01 min
Lab File: BF090820.D
Acq: 25 Oct 2016 21:06

Tgt Ion:	225	Resp:	315397
Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.2	75.2
227	63.0	52.2	78.2

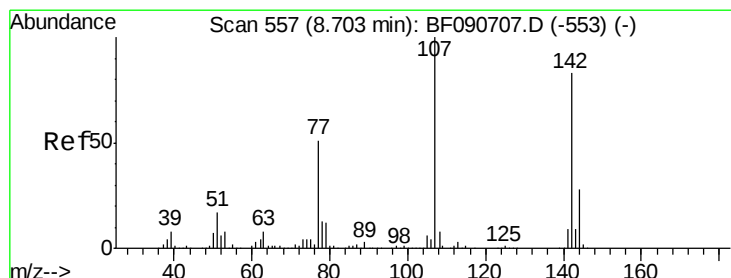
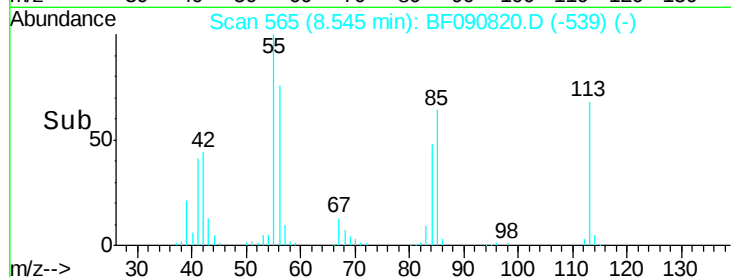
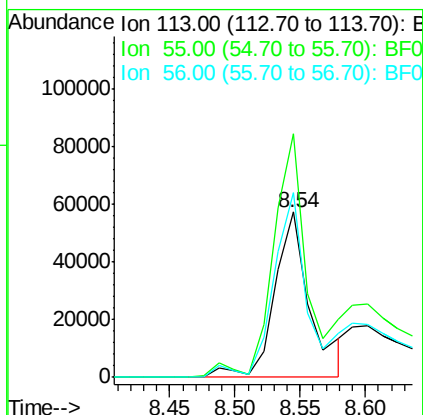
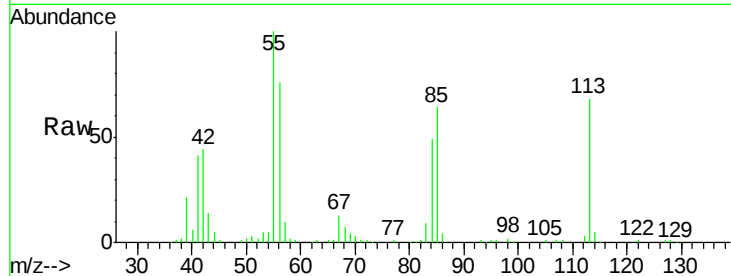




#35
 Caprolactam
 Concen: 42.91 ng
 RT: 8.54 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: BF090820.D
 Acq: 25 Oct 2016 21:06

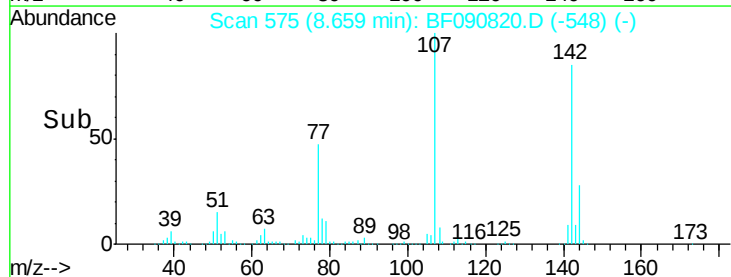
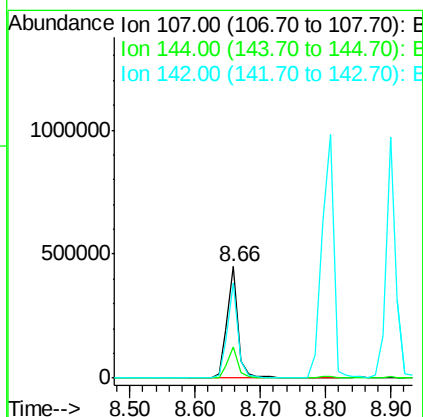
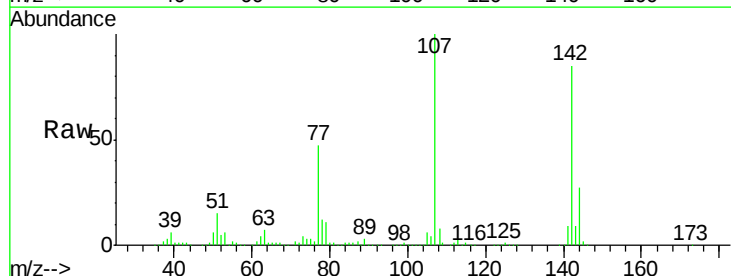
Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-NORTHMS

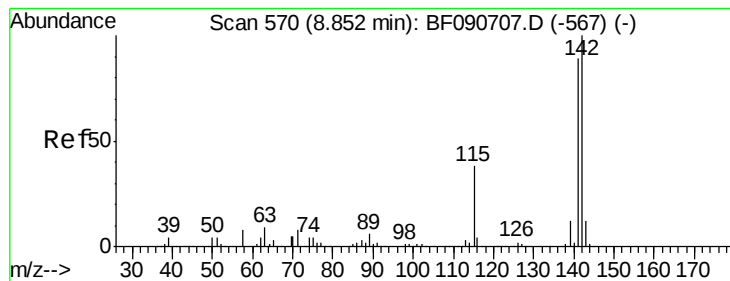
Tgt Ion:113 Resp: 109031
 Ion Ratio Lower Upper
 113 100
 55 147.6 152.4 192.4#
 56 111.8 104.6 144.6



#36
 4-Chloro-3-methylphenol
 Concen: 51.60 ng
 RT: 8.66 min Scan# 575
 Delta R.T. 0.01 min
 Lab File: BF090820.D
 Acq: 25 Oct 2016 21:06

Tgt Ion:107 Resp: 533938
 Ion Ratio Lower Upper
 107 100
 144 27.5 25.4 38.0
 142 85.3 77.3 115.9





#37

2-Methylnaphthalene

Concen: 55.62 ng

RT: 8.81 min Scan# 588

Delta R.T. -0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMS

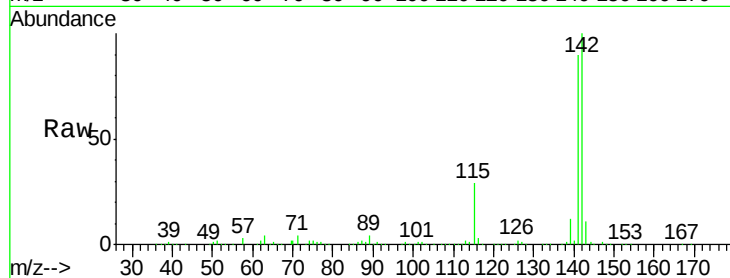
Tgt Ion:142 Resp: 1204093

Ion Ratio Lower Upper

142 100

141 90.3 67.5 101.3

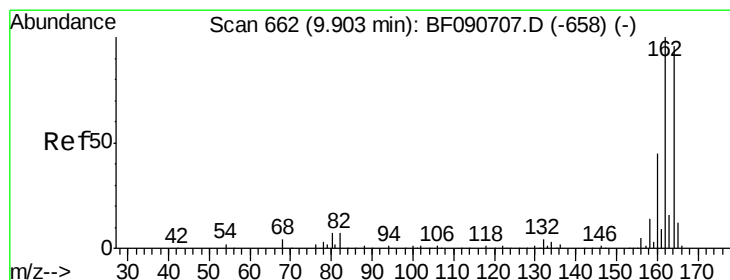
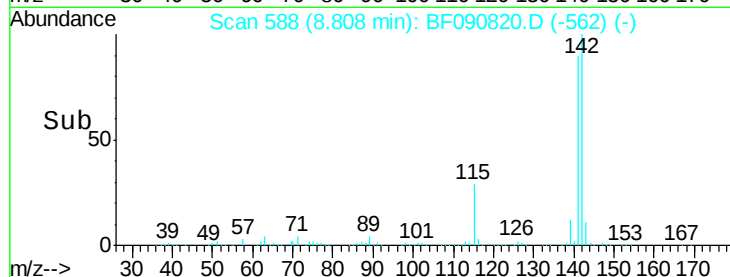
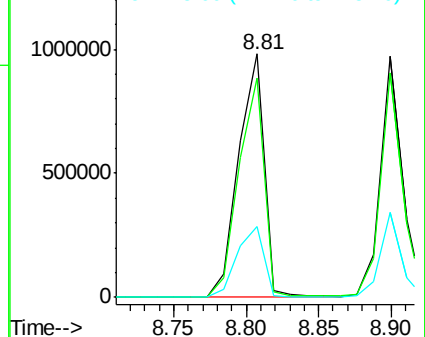
115 29.1 18.2 27.2#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. 0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

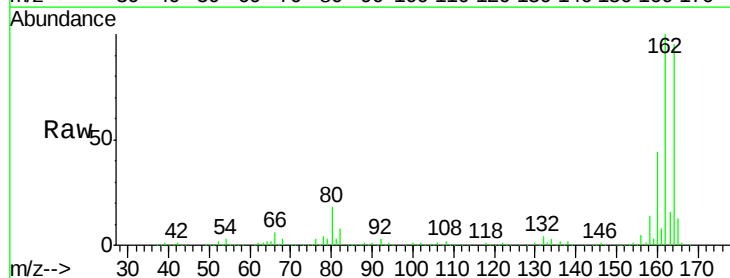
Tgt Ion:164 Resp: 431777

Ion Ratio Lower Upper

164 100

162 105.3 75.2 112.8

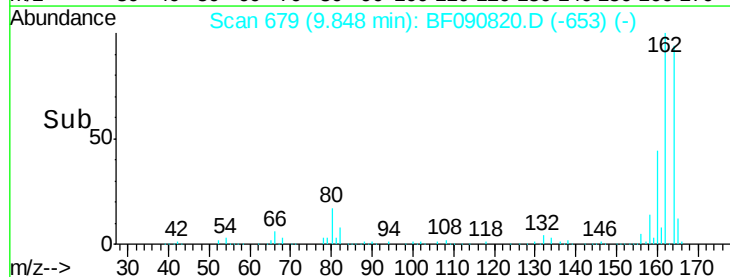
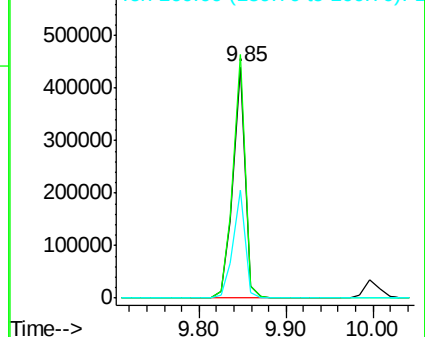
160 46.4 31.5 47.3

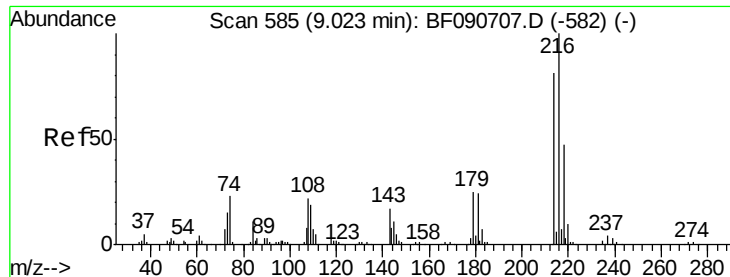


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 45.42 ng

RT: 8.97 min Scan# 602

Delta R.T. 0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMS

Tgt Ion:216 Resp: 529509

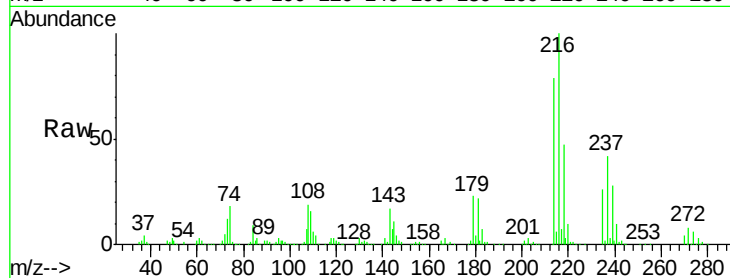
Ion Ratio Lower Upper

216 100

214 78.7 63.5 95.3

179 20.9 16.6 24.8

108 17.8 16.3 24.5

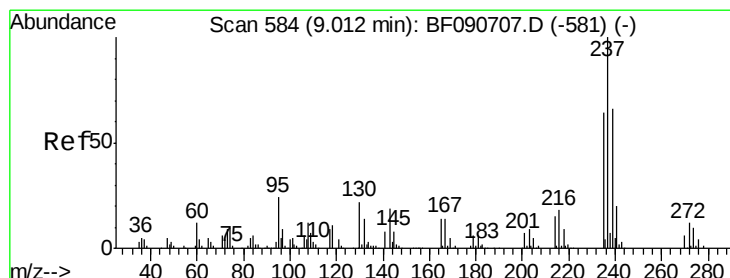
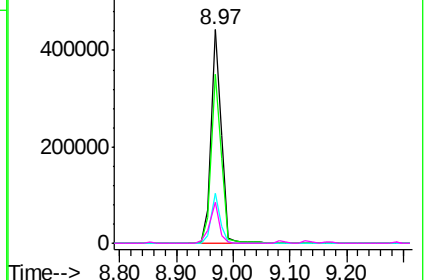
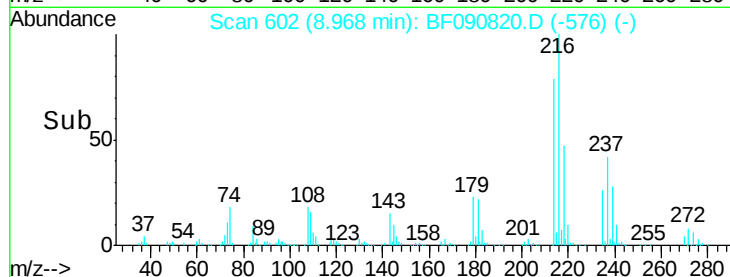


Abundance Ion 216.00 (215.70 to 216.70): E

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: 102.35 ng

RT: 8.96 min Scan# 601

Delta R.T. 0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

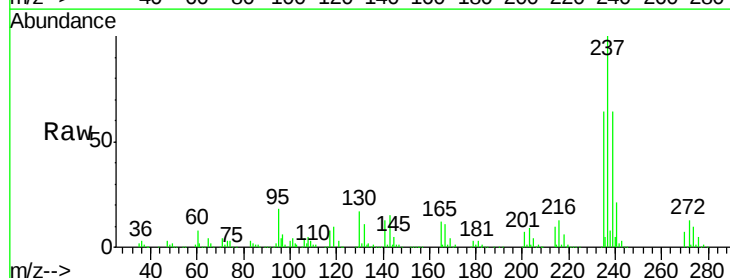
Tgt Ion:237 Resp: 560225

Ion Ratio Lower Upper

237 100

235 63.7 42.0 82.0

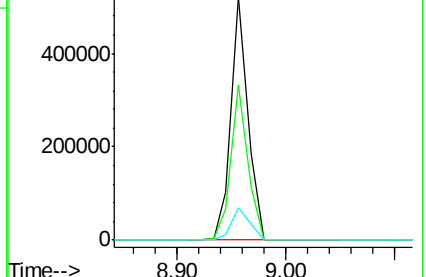
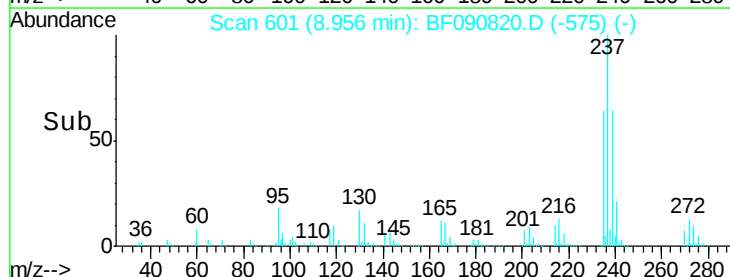
272 13.5 0.0 36.1

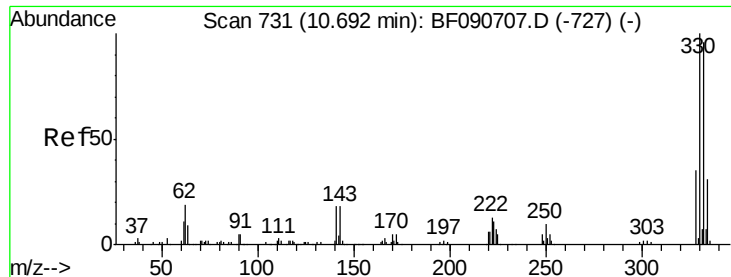


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

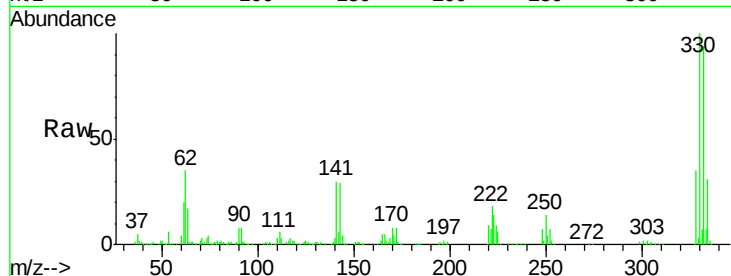




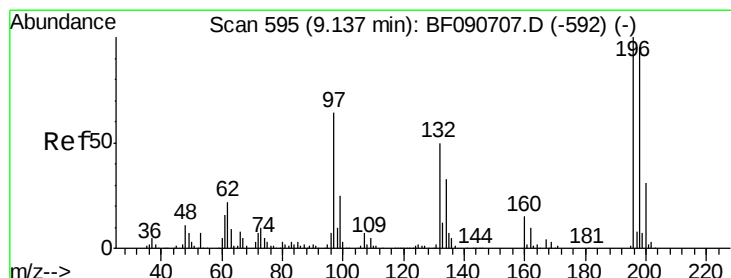
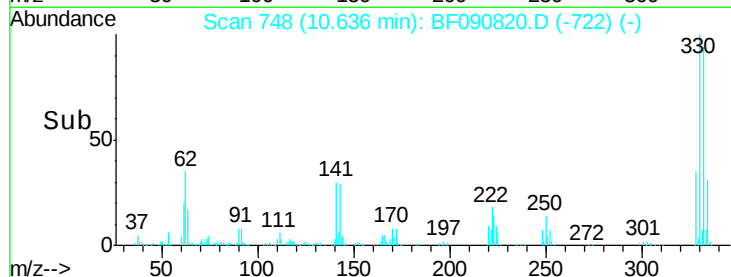
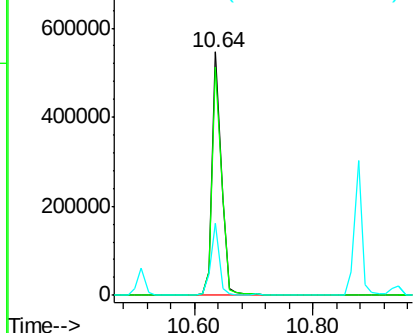
#41
 2,4,6-Tribromophenol
 Concen: 173.66 ng
 RT: 10.64 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: BF090820.D
 Acq: 25 Oct 2016 21:06

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-NORTHMS

Tgt Ion:330 Resp: 593500
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.6 114.8
 141 26.6 29.7 44.5#

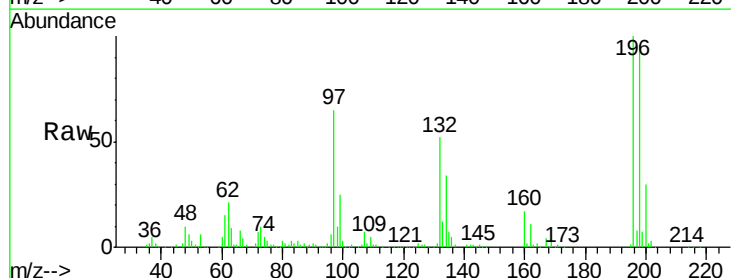


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

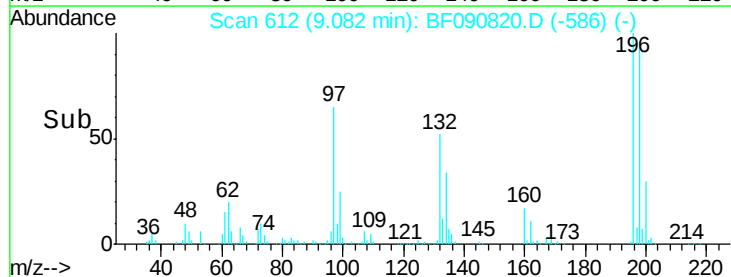
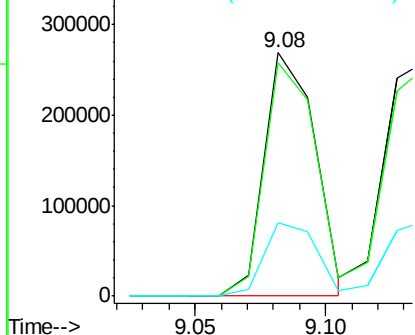


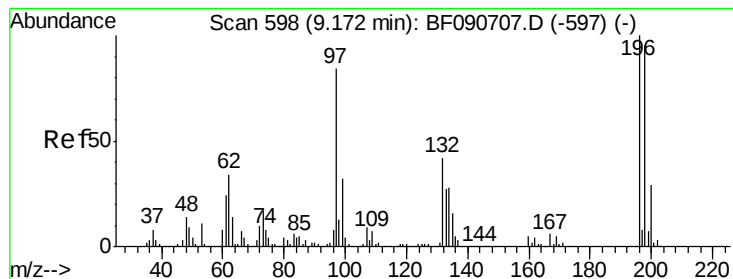
#42
 2,4,6-Trichlorophenol
 Concen: 50.57 ng
 RT: 9.08 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: BF090820.D
 Acq: 25 Oct 2016 21:06

Tgt Ion:196 Resp: 365641
 Ion Ratio Lower Upper
 196 100
 198 95.6 75.7 113.5
 200 29.9 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: 54.26 ng

RT: 9.14 min Scan# 617

Delta R.T. 0.01 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMS

Tgt Ion:196 Resp: 398158

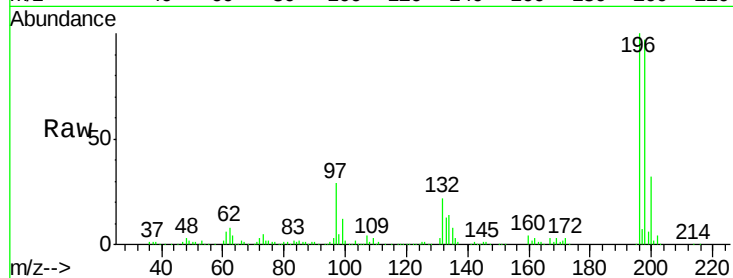
Ion Ratio Lower Upper

196 100

198 97.4 75.4 113.0

97 29.1 33.3 49.9#

132 21.6 24.6 37.0#

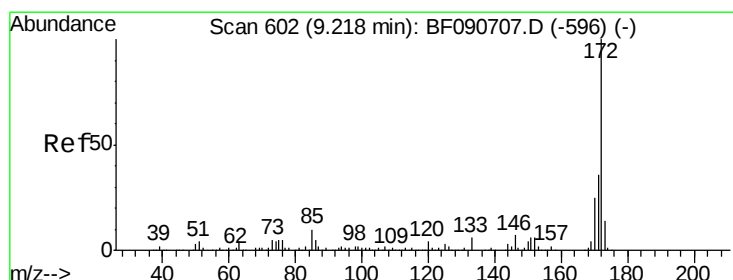
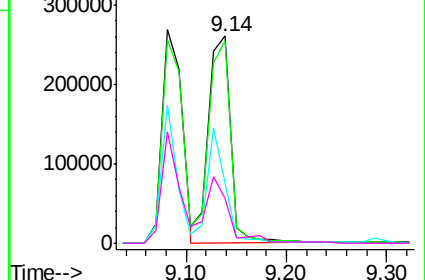
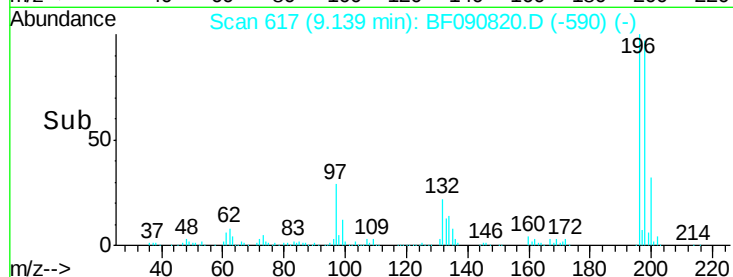


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44

2-Fluorobiphenyl

Concen: 85.94 ng

RT: 9.17 min Scan# 620

Delta R.T. -0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

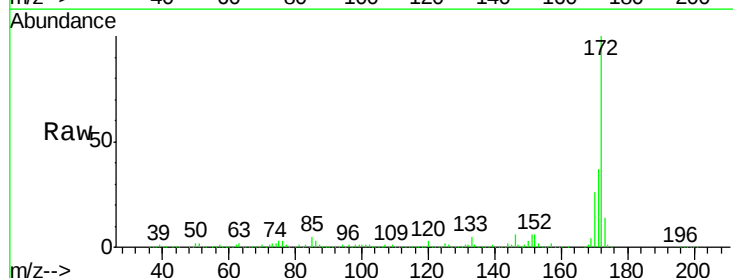
Tgt Ion:172 Resp: 2390249

Ion Ratio Lower Upper

172 100

171 37.5 26.1 39.1

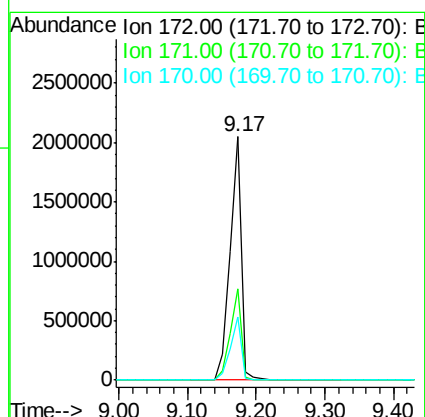
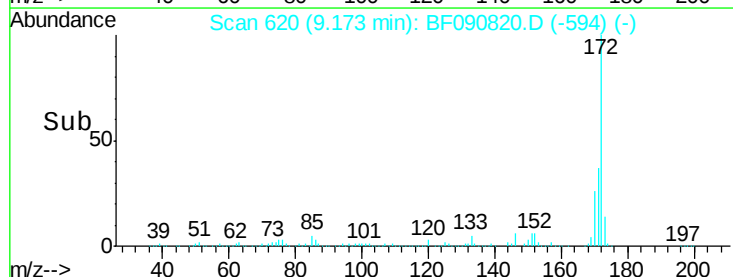
170 25.8 17.4 26.2

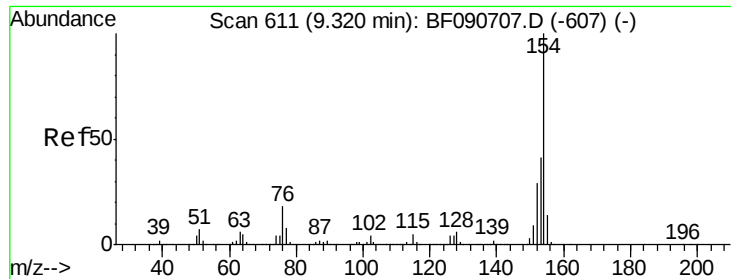


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

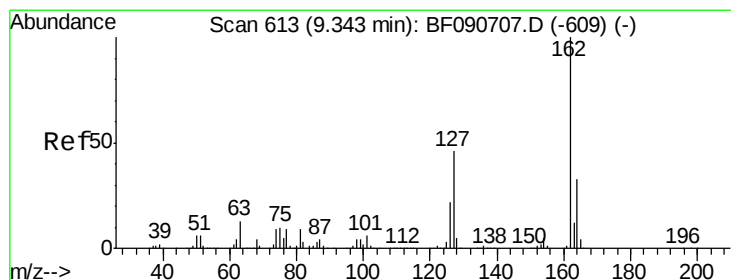
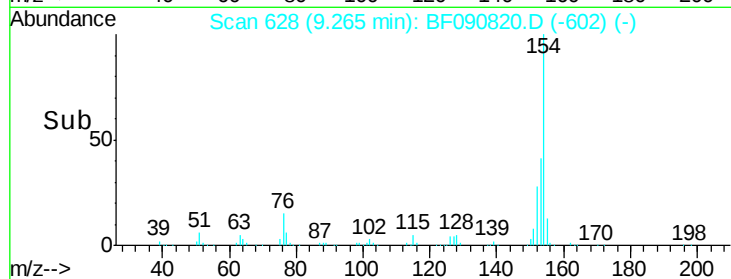
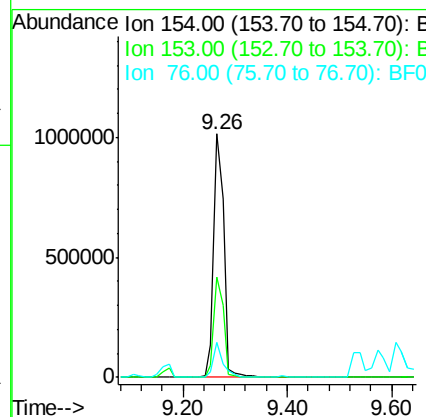
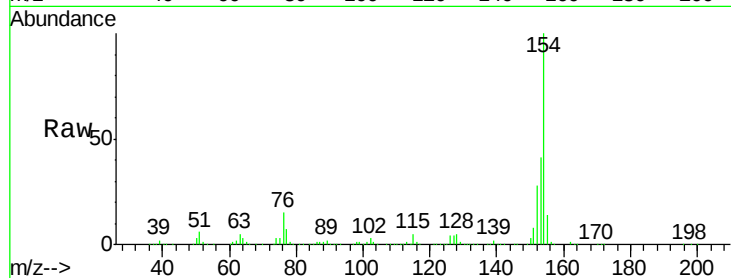




#45
 1,1'-Biphenyl
 Concen: 40.60 ng
 RT: 9.26 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF090820.D
 Acq: 25 Oct 2016 21:06

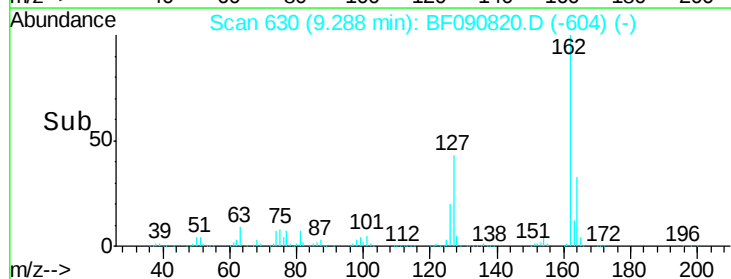
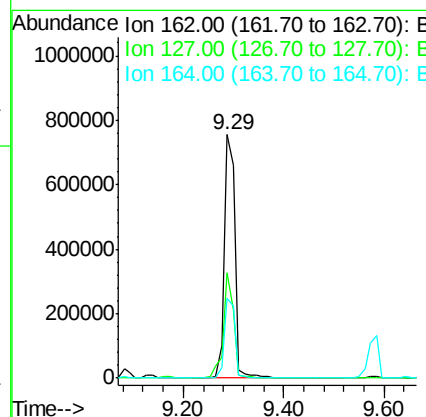
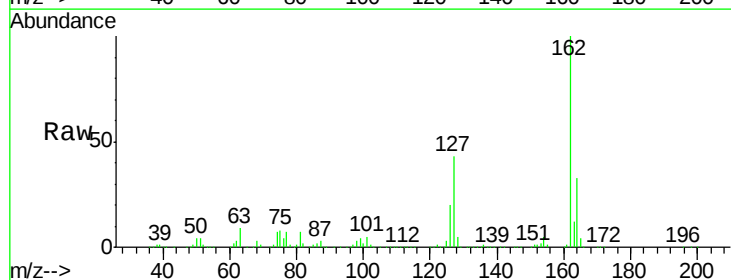
Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-NORTHMS

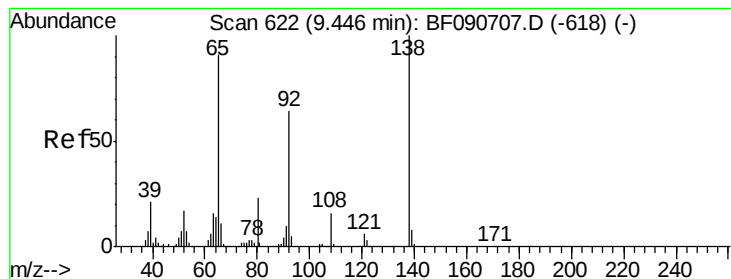
Tgt Ion:154 Resp: 1376566
 Ion Ratio Lower Upper
 154 100
 153 40.9 17.1 57.1
 76 14.6 0.0 31.6



#46
 2-Chloronaphthalene
 Concen: 43.87 ng
 RT: 9.29 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: BF090820.D
 Acq: 25 Oct 2016 21:06

Tgt Ion:162 Resp: 1105718
 Ion Ratio Lower Upper
 162 100
 127 43.3 27.6 41.4#
 164 32.5 25.4 38.2





#47

2-Nitroaniline

Concen: 37.86 ng

RT: 9.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMS

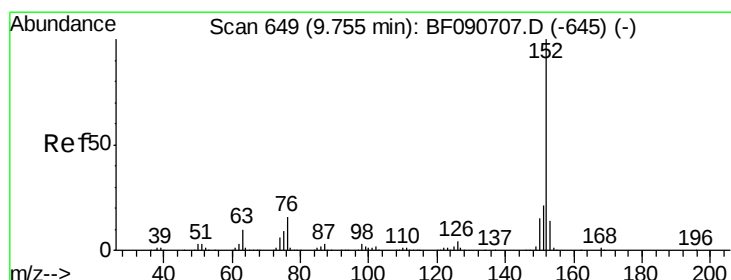
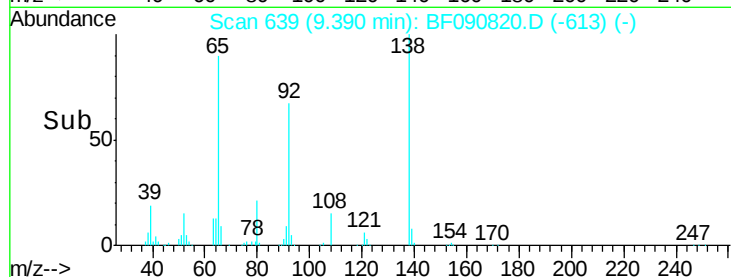
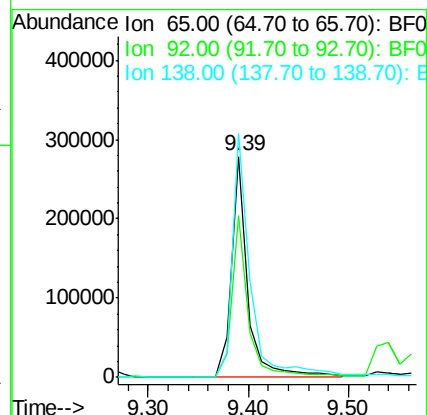
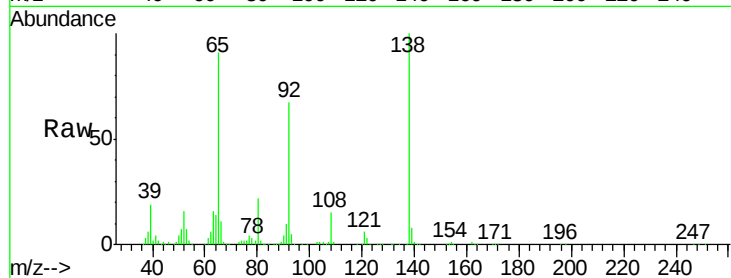
Tgt Ion: 65 Resp: 316688

Ion Ratio Lower Upper

65 100

92 73.3 55.4 83.0

138 110.2 115.5 173.3#



#48

Acenaphthylene

Concen: 47.51 ng

RT: 9.71 min Scan# 667

Delta R.T. 0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

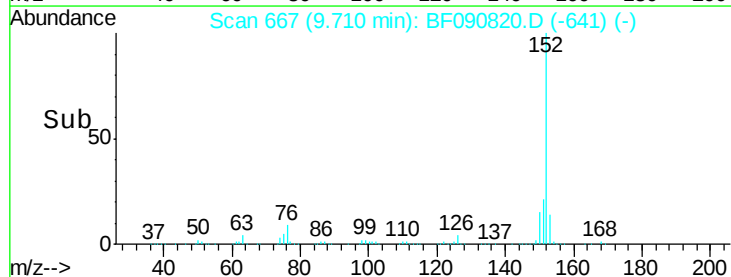
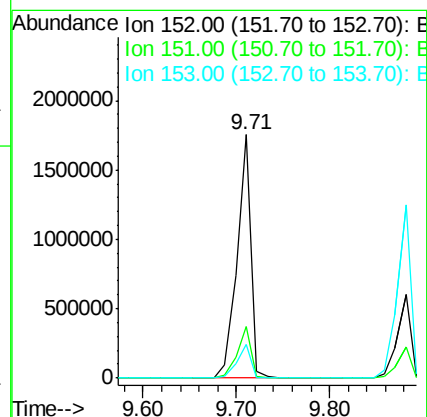
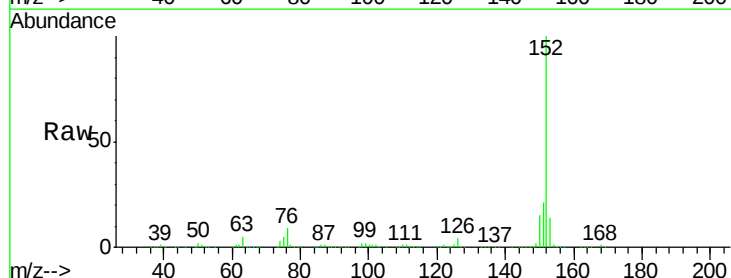
Tgt Ion: 152 Resp: 1827093

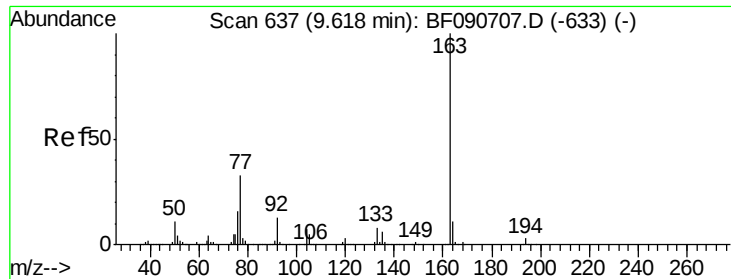
Ion Ratio Lower Upper

152 100

151 21.2 14.6 22.0

153 13.8 10.3 15.5





#49

Dimethylphthalate

Concen: 67.67 ng

RT: 9.58 min Scan# 656

Delta R.T. 0.01 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMS

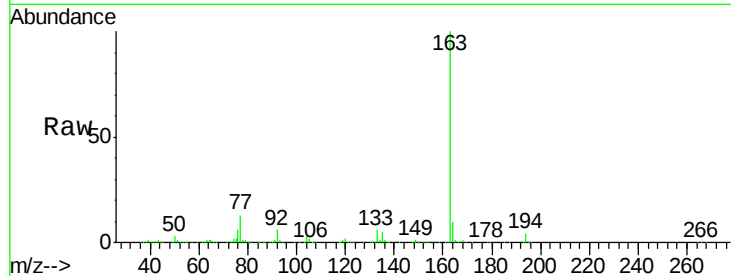
Tgt Ion:163 Resp: 1835924

Ion Ratio Lower Upper

163 100

194 4.3 4.4 6.6#

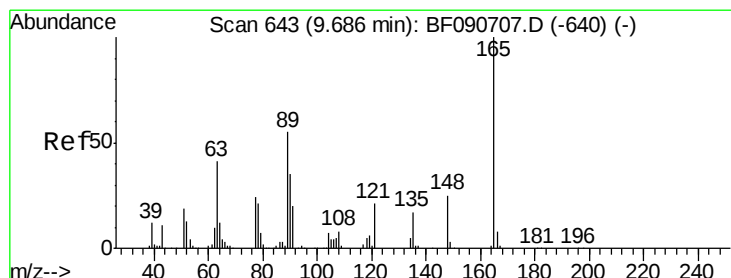
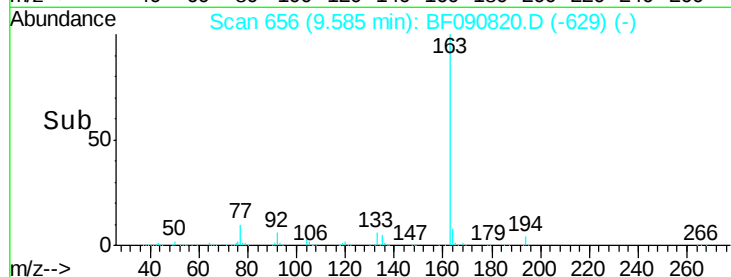
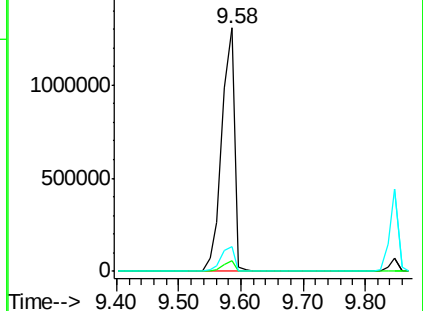
164 10.2 8.3 12.5



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: 58.90 ng

RT: 9.64 min Scan# 661

Delta R.T. 0.01 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

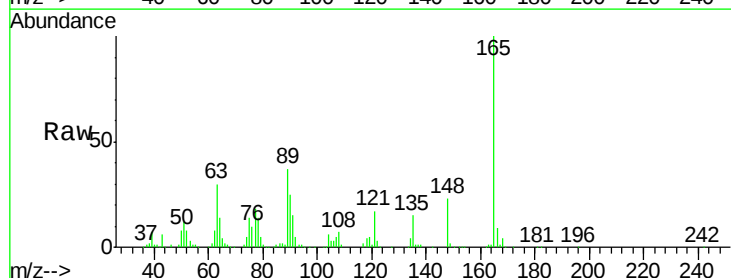
Tgt Ion:165 Resp: 343663

Ion Ratio Lower Upper

165 100

63 30.2 32.3 48.5#

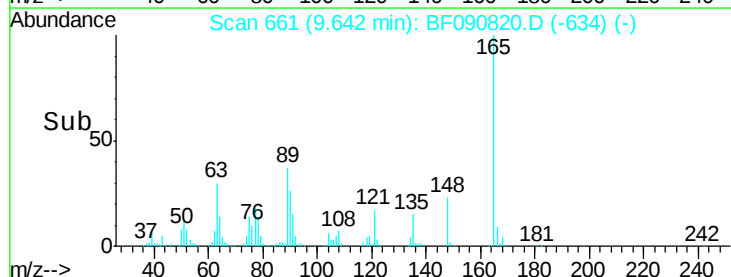
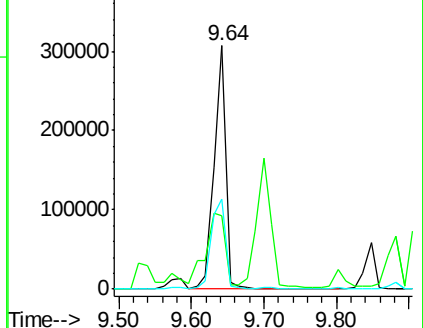
89 37.2 28.6 43.0

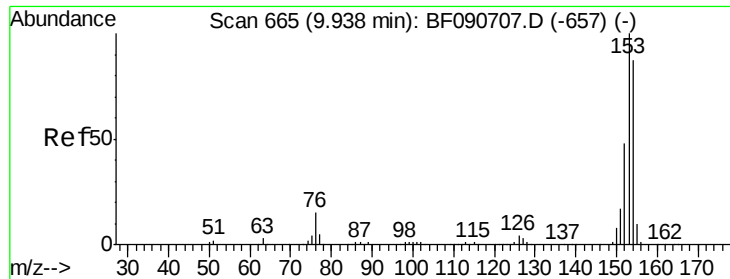


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 43.83 ng

RT: 9.88 min Scan# 682

Delta R.T. 0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMS

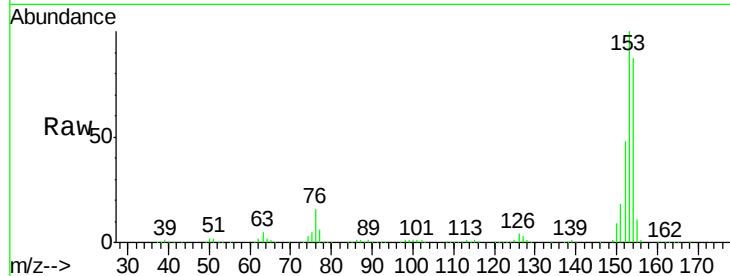
Tgt Ion:154 Resp: 1118836

Ion Ratio Lower Upper

154 100

153 114.5 82.1 123.1

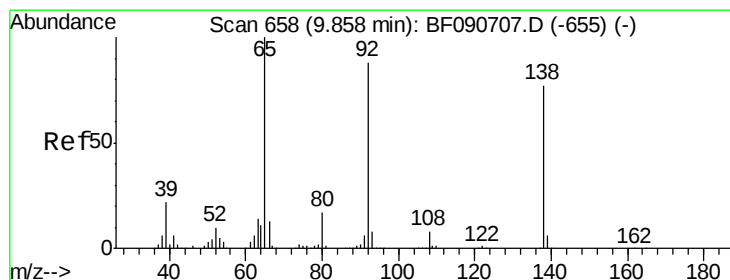
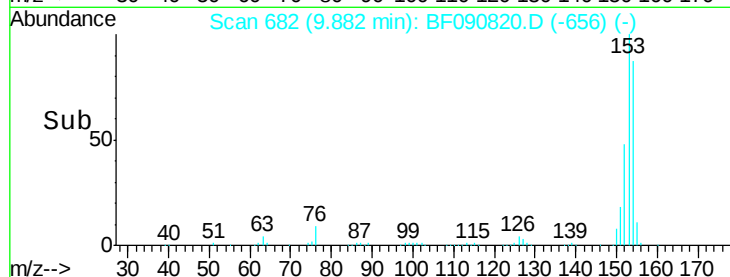
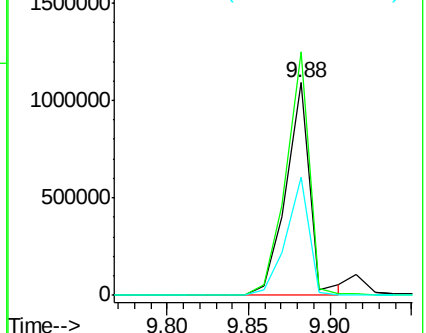
152 55.5 37.9 56.9



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: 27.97 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

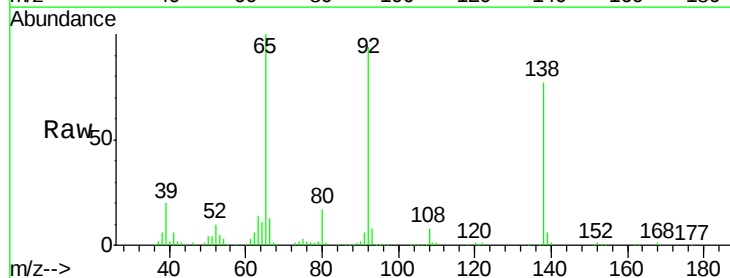
Tgt Ion:138 Resp: 187617

Ion Ratio Lower Upper

138 100

108 10.5 5.7 8.5#

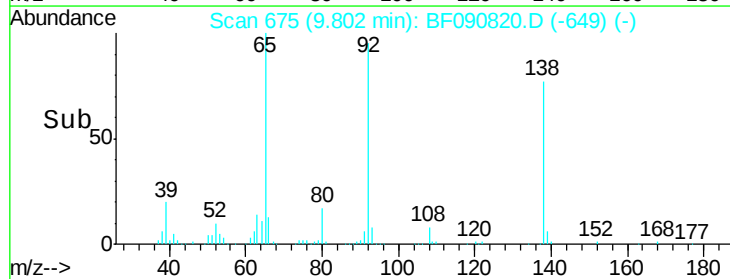
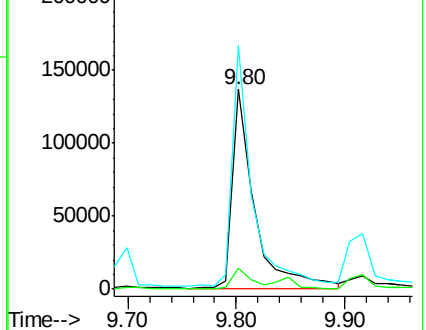
92 121.9 67.7 101.5#

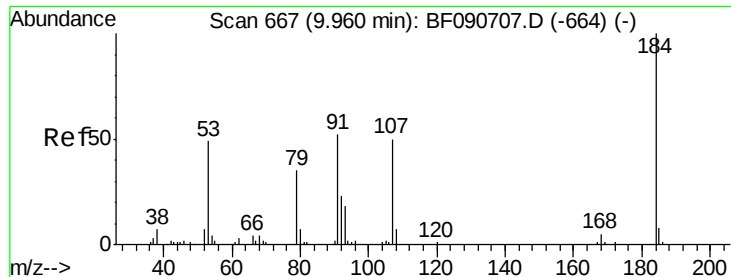


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

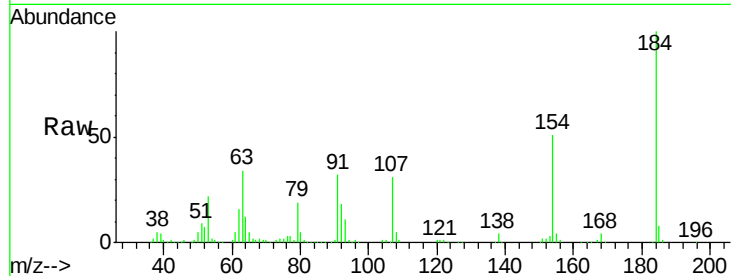




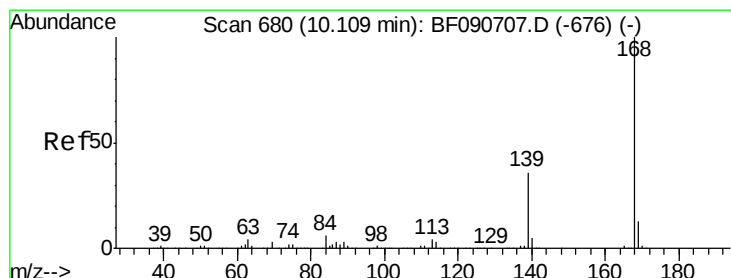
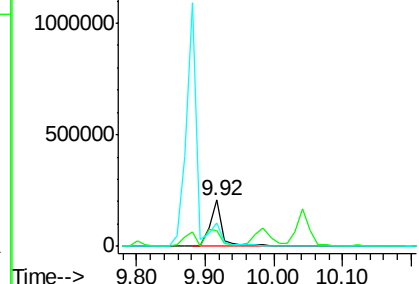
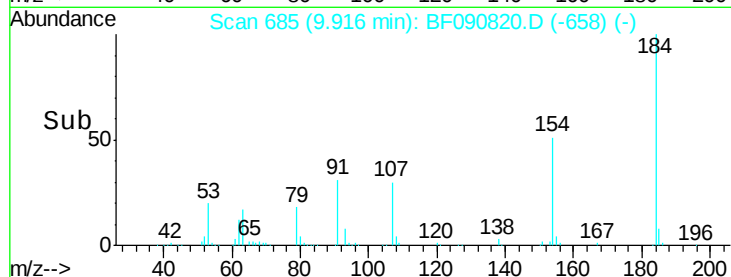
#53
 2,4-Dinitrophenol
 Concen: 78.41 ng
 RT: 9.92 min Scan# 685
 Delta R.T. 0.01 min
 Lab File: BF090820.D
 Acq: 25 Oct 2016 21:06

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-NORTHMS

Tgt Ion:184 Resp: 259555
 Ion Ratio Lower Upper
 184 100
 63 33.9 35.4 53.2#
 154 51.1 32.2 48.4#

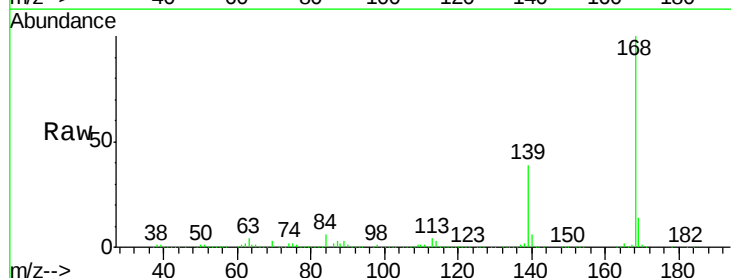


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

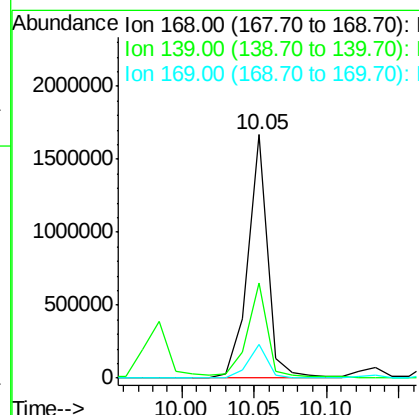
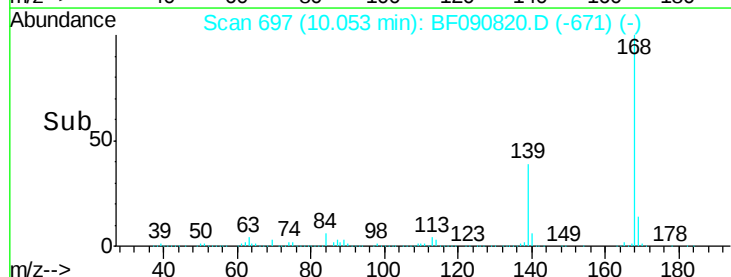


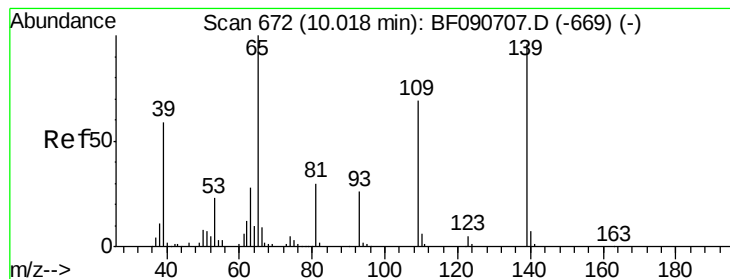
#54
 Dibenzofuran
 Concen: 50.95 ng
 RT: 10.05 min Scan# 697
 Delta R.T. 0.00 min
 Lab File: BF090820.D
 Acq: 25 Oct 2016 21:06

Tgt Ion:168 Resp: 1575496
 Ion Ratio Lower Upper
 168 100
 139 39.3 24.2 36.2#
 169 13.9 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: 112.03 ng

RT: 9.98 min Scan# 691

Delta R.T. 0.01 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMS

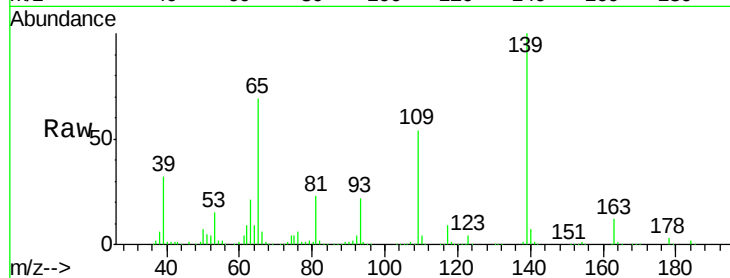
Tgt Ion:139 Resp: 472192

Ion Ratio Lower Upper

139 100

109 53.9 12.7 52.7#

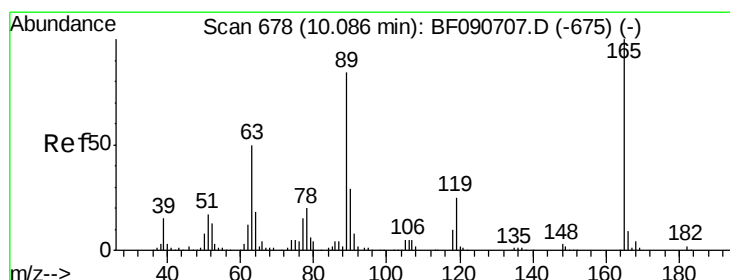
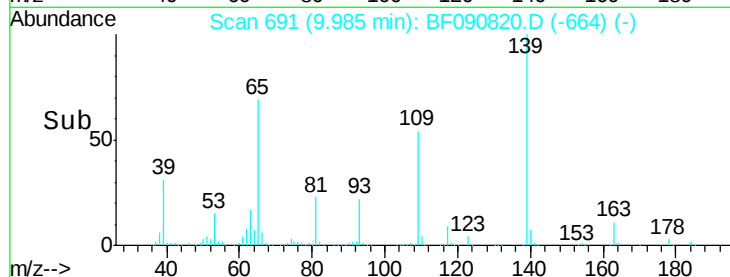
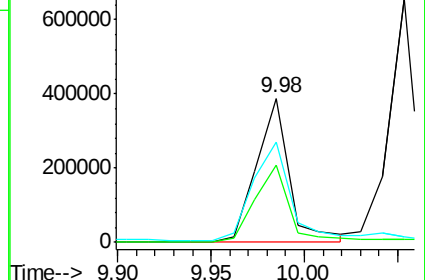
65 69.1 45.9 85.9



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 57.34 ng

RT: 10.04 min Scan# 696

Delta R.T. 0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

Tgt Ion:165 Resp: 408881

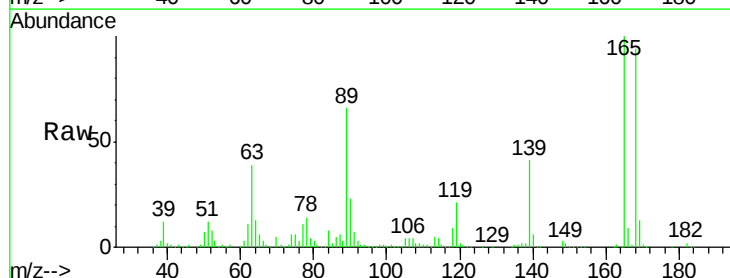
Ion Ratio Lower Upper

165 100

63 39.4 29.8 44.6

89 65.5 44.5 66.7

182 2.4 3.0 4.4#

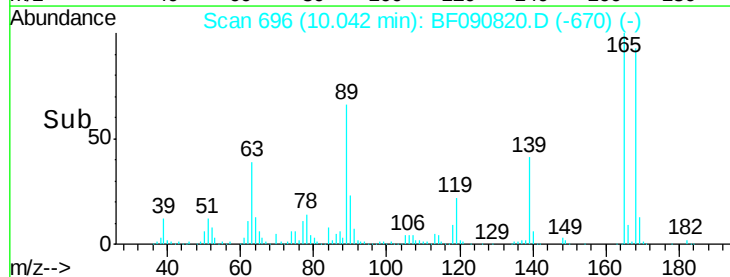
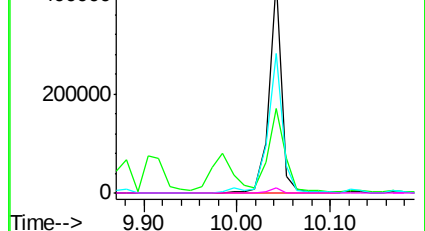


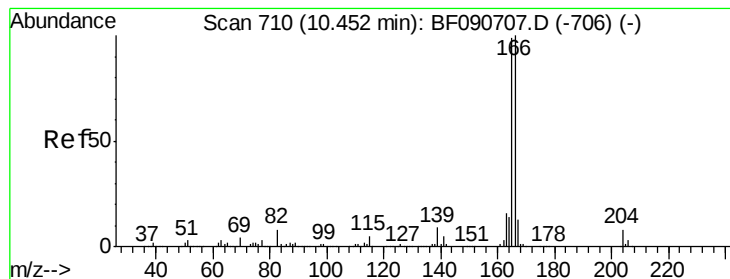
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 49.72 ng

RT: 10.40 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMS

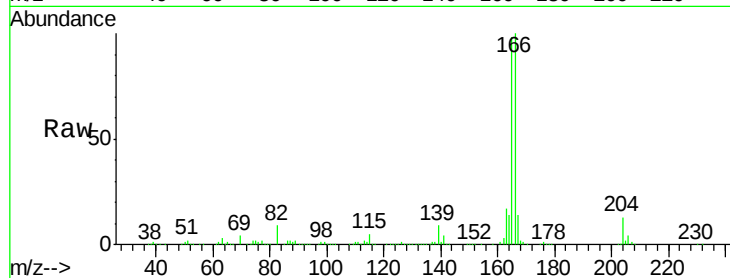
Tgt Ion:166 Resp: 1274276

Ion Ratio Lower Upper

166 100

165 98.3 72.6 109.0

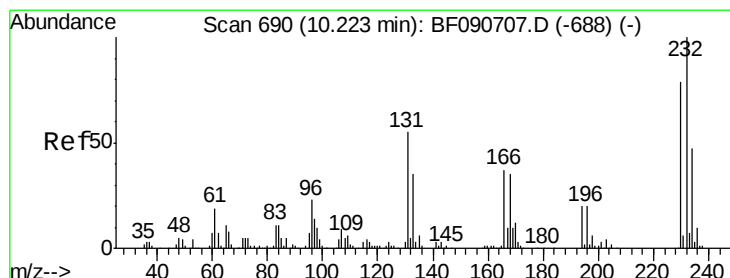
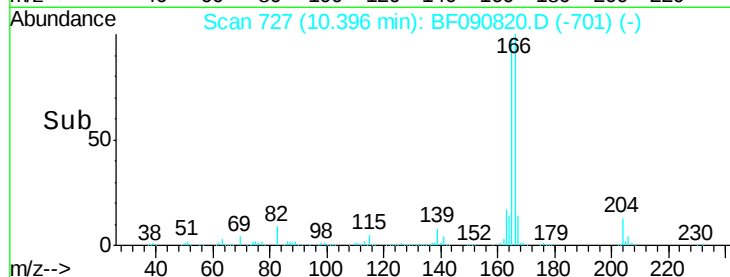
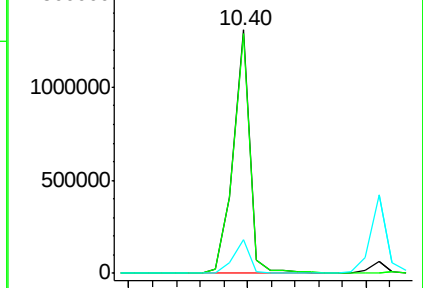
167 13.7 10.6 16.0



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: 59.88 ng

RT: 10.18 min Scan# 708

Delta R.T. 0.01 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

Tgt Ion:232 Resp: 344807

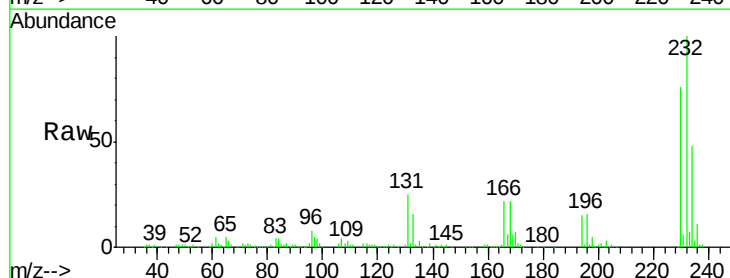
Ion Ratio Lower Upper

232 100

131 42.7 38.5 57.7

130 1.8 1.8 2.6

166 29.6 25.0 37.6

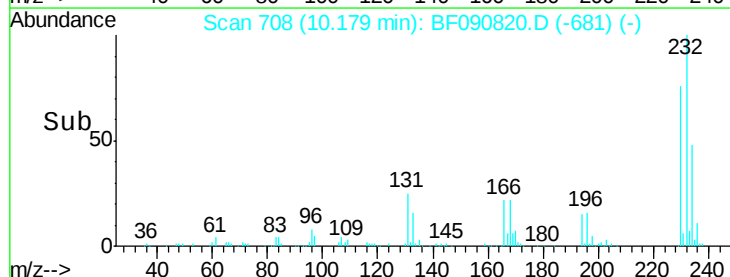
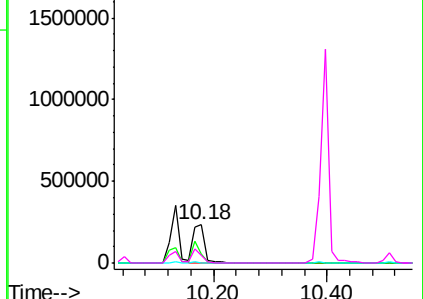


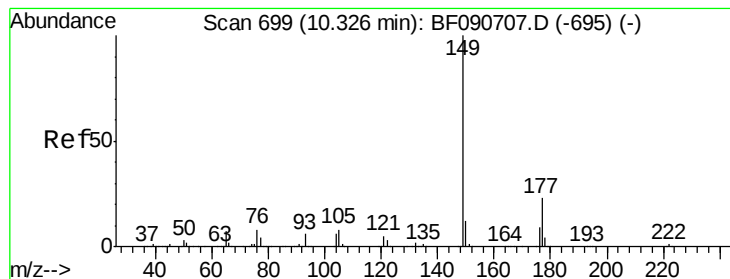
Abundance Ion 232.00 (231.70 to 232.70): E

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: 49.01 ng

RT: 10.28 min Scan# 717

Delta R.T. 0.01 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMS

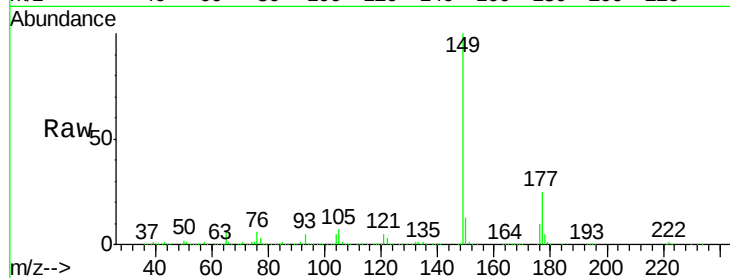
Tgt Ion:149 Resp: 1379247

Ion Ratio Lower Upper

149 100

177 25.1 17.5 26.3

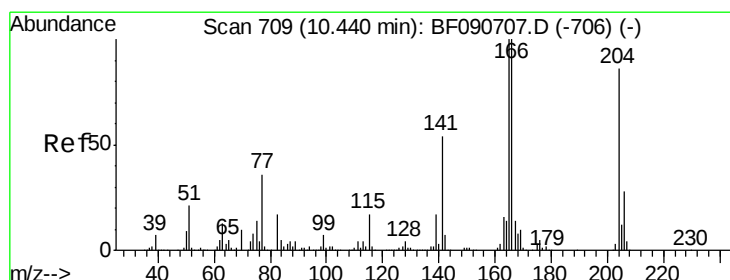
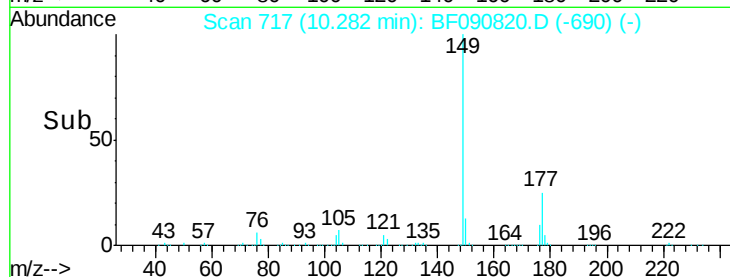
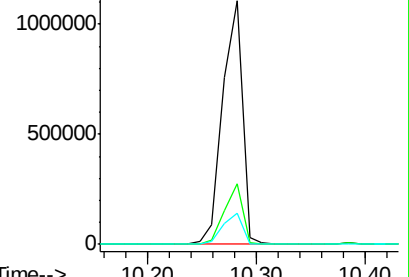
150 12.6 9.4 14.2



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: 48.47 ng

RT: 10.38 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

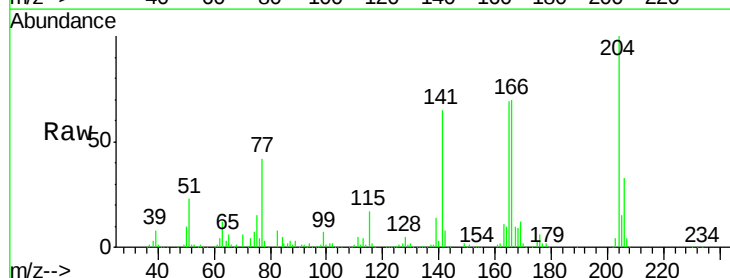
Tgt Ion:204 Resp: 567679

Ion Ratio Lower Upper

204 100

206 33.1 24.8 37.2

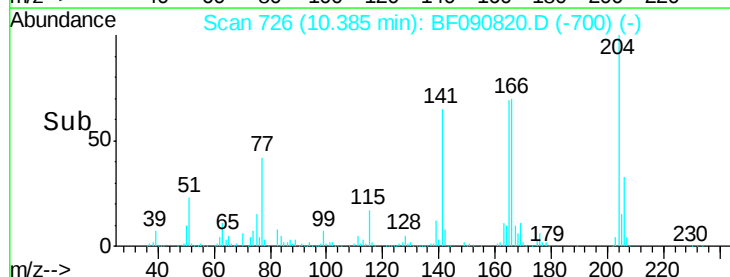
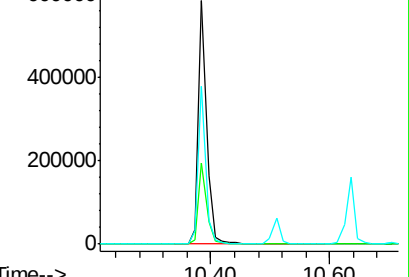
141 64.8 42.2 63.4#

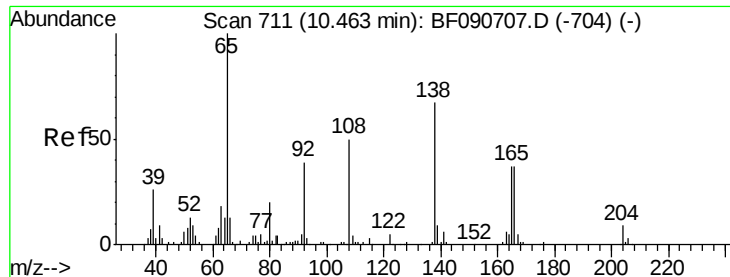


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

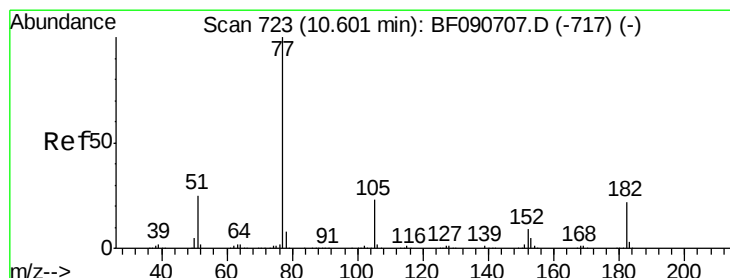
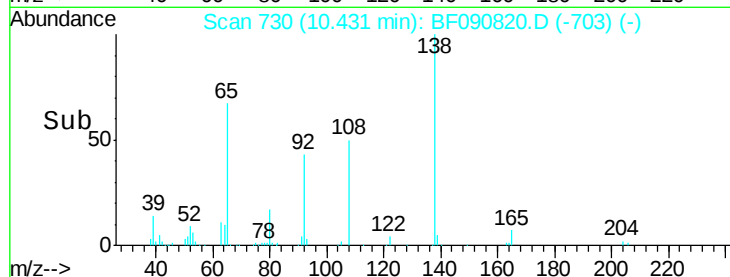
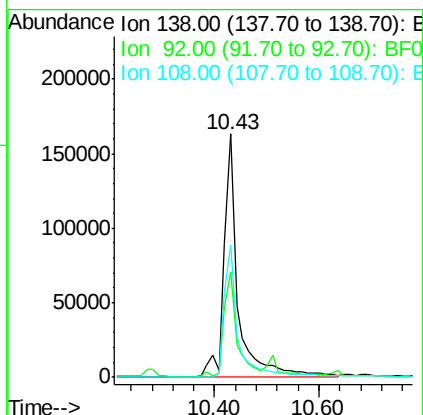
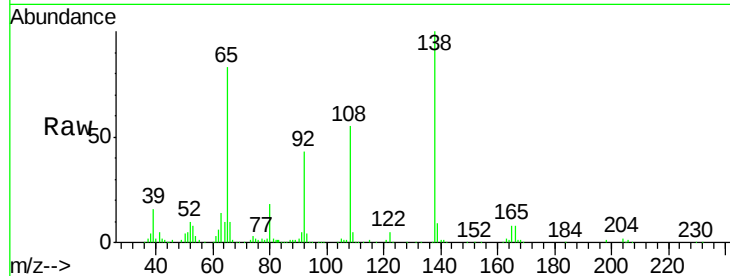




#61
4-Nitroaniline
Concen: 44.26 ng
RT: 10.43 min Scan# 730
Delta R.T. 0.01 min
Lab File: BF090820.D
Acq: 25 Oct 2016 21:06

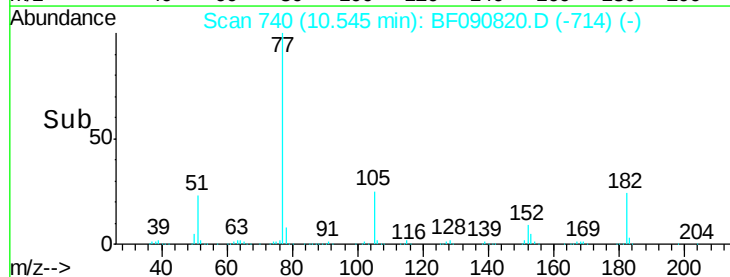
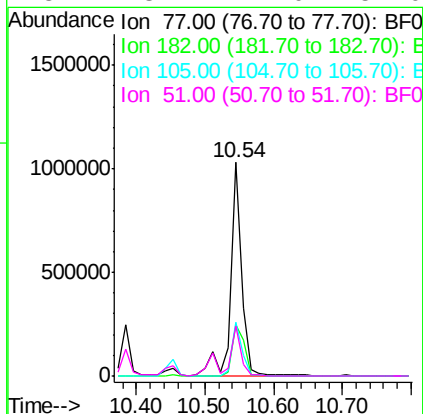
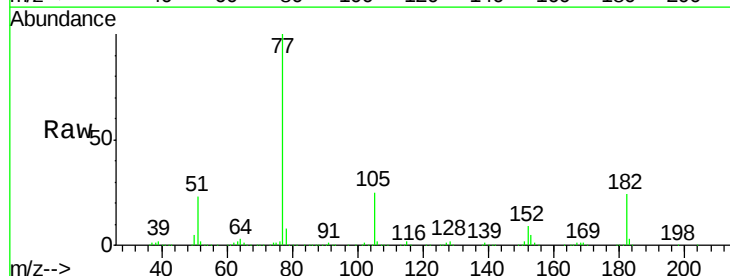
Instrument :
BNA_F
ClientSampleId :
BOTTOM-NORTHMS

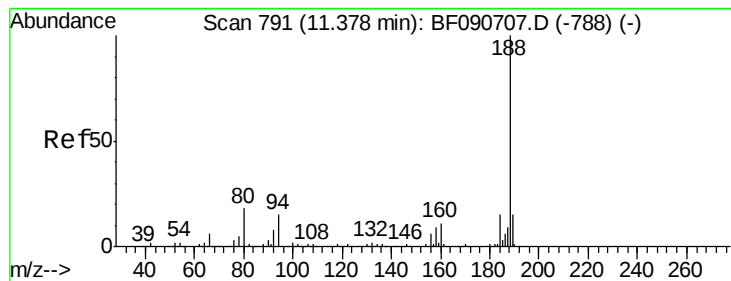
Tgt Ion: 138 Resp: 300672
Ion Ratio Lower Upper
138 100
92 43.3 12.6 52.6
108 54.5 12.4 52.4#



#62
Azobenzene
Concen: 35.79 ng
RT: 10.54 min Scan# 740
Delta R.T. 0.00 min
Lab File: BF090820.D
Acq: 25 Oct 2016 21:06

Tgt Ion: 77 Resp: 1179441
Ion Ratio Lower Upper
77 100
182 24.2 15.1 55.1
105 25.3 3.4 43.4
51 23.4 12.0 52.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.33 min Scan# 809

Delta R.T. 0.01 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMS

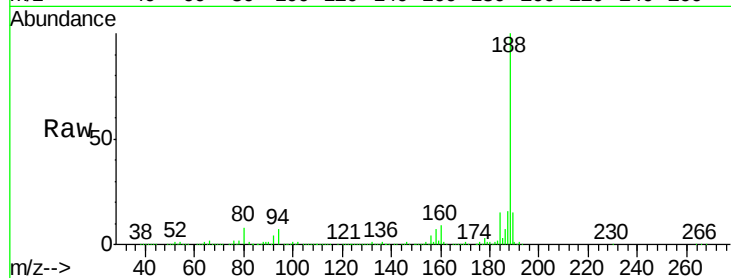
Tgt Ion:188 Resp: 695056

Ion Ratio Lower Upper

188 100

94 7.2 11.1 16.7#

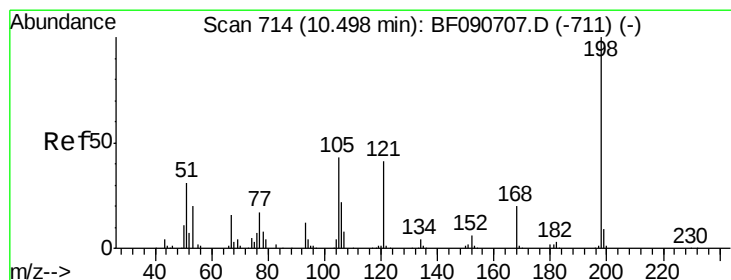
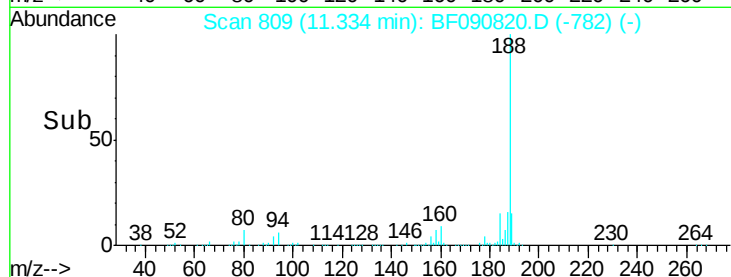
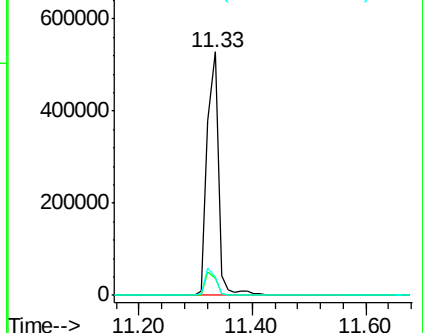
80 7.6 11.0 16.4#



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: 51.13 ng

RT: 10.45 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

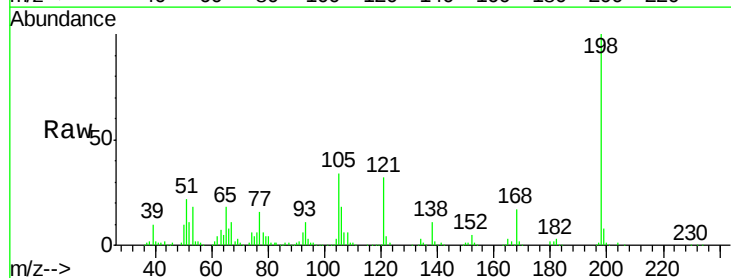
Tgt Ion:198 Resp: 228160

Ion Ratio Lower Upper

198 100

51 22.1 39.6 79.6#

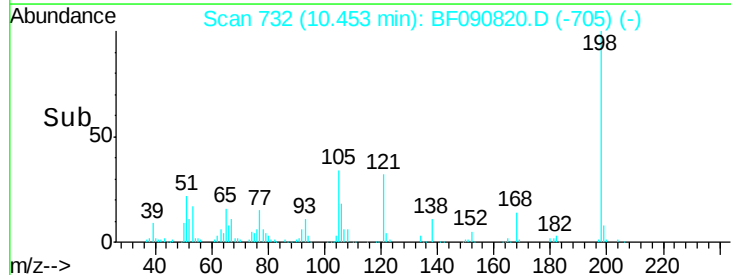
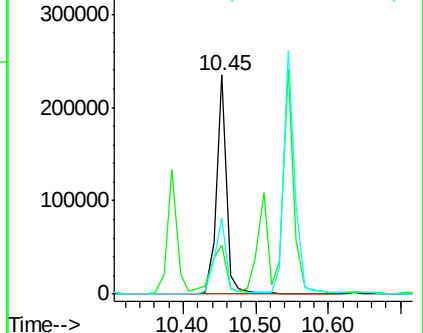
105 34.4 28.5 68.5

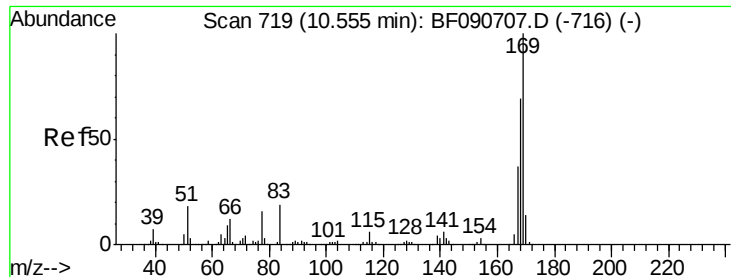


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 48.67 ng

RT: 10.51 min Scan# 737

Delta R.T. 0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMS

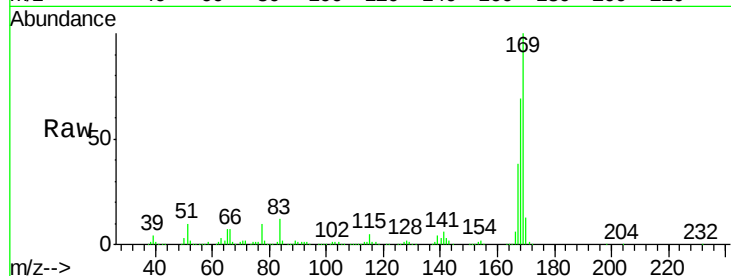
Tgt Ion:169 Resp: 1083776

Ion Ratio Lower Upper

169 100

168 68.6 48.9 73.3

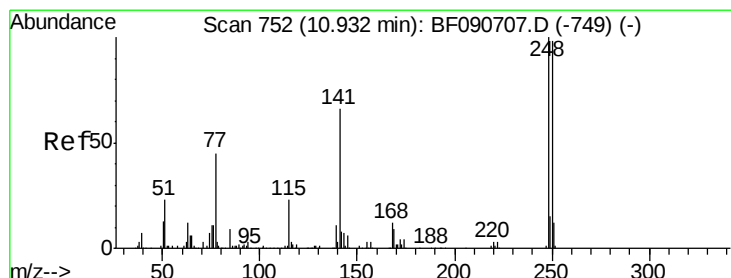
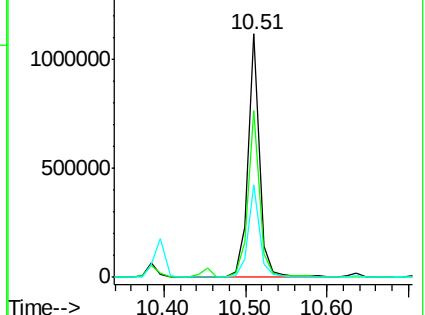
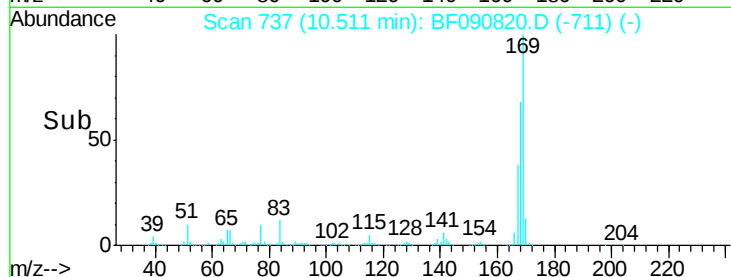
167 38.0 26.2 39.4



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: 58.47 ng

RT: 10.88 min Scan# 769

Delta R.T. 0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

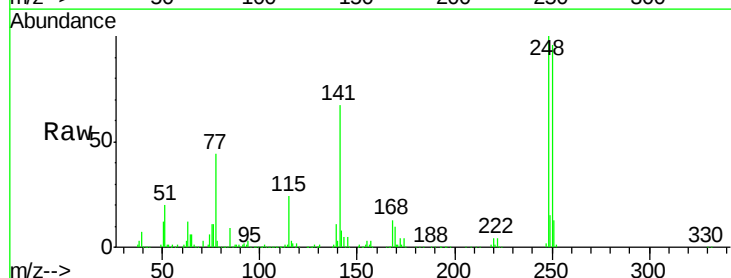
Tgt Ion:248 Resp: 393991

Ion Ratio Lower Upper

248 100

250 96.3 78.5 117.7

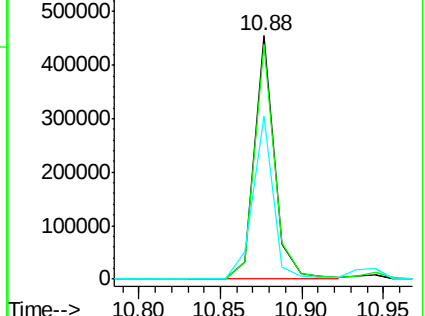
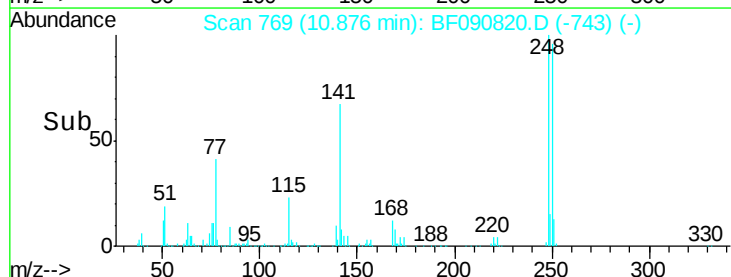
141 66.7 59.0 88.6

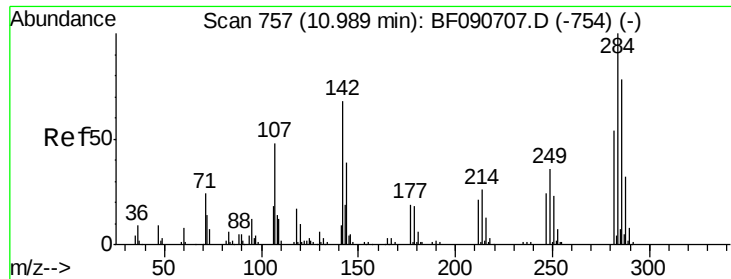


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

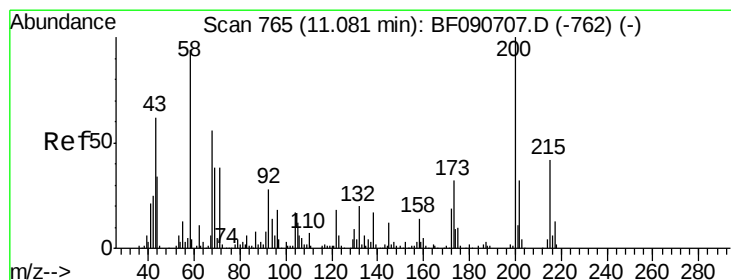
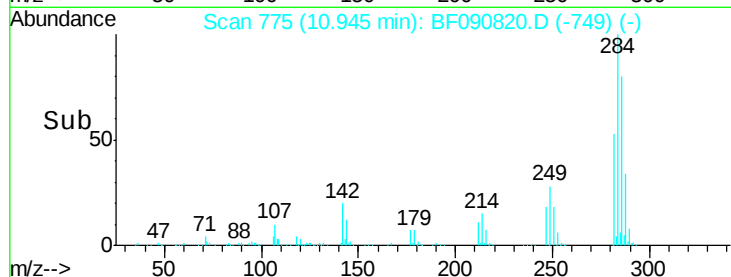
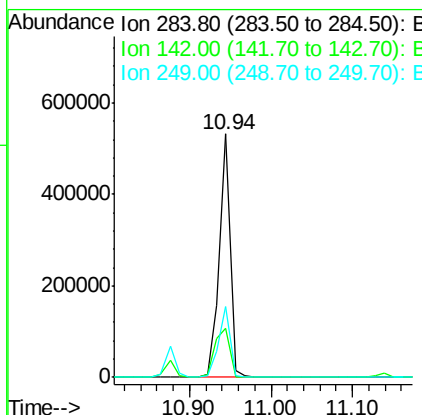
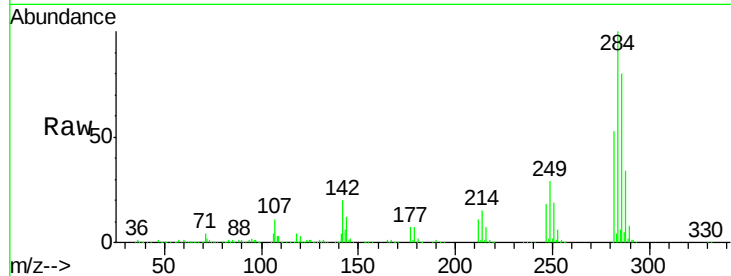




#67
Hexachlorobenzene
Concen: 62.10 ng
RT: 10.94 min Scan# 775
Delta R.T. 0.00 min
Lab File: BF090820.D
Acq: 25 Oct 2016 21:06

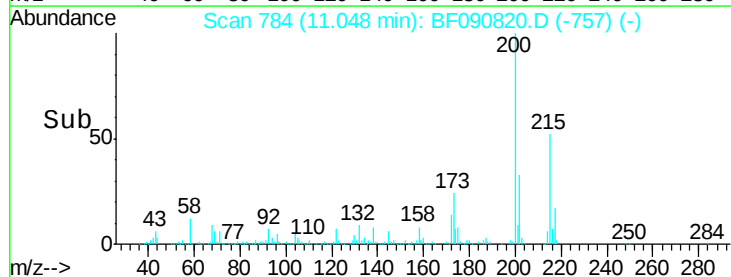
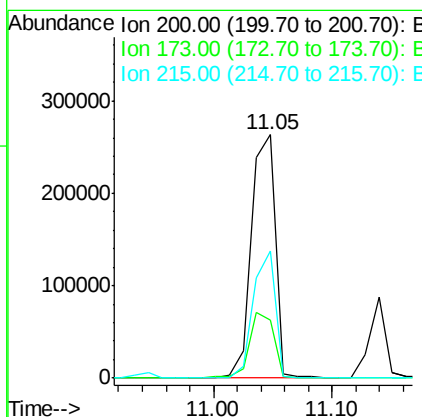
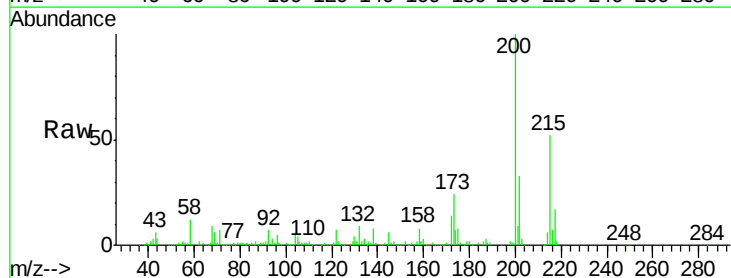
Instrument :
BNA_F
ClientSampleId :
BOTTOM-NORTHMS

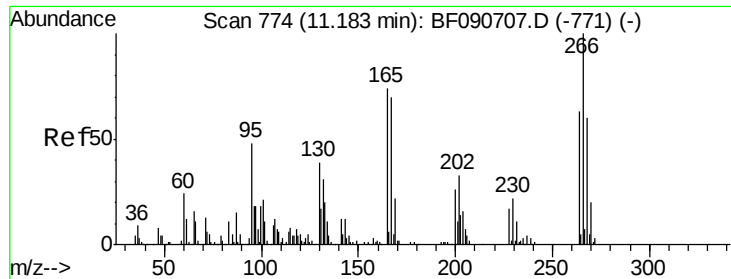
Tgt Ion:284 Resp: 493789
Ion Ratio Lower Upper
284 100
142 20.3 29.5 44.3#
249 28.9 19.5 29.3



#68
Atrazine
Concen: 60.70 ng
RT: 11.05 min Scan# 784
Delta R.T. 0.01 min
Lab File: BF090820.D
Acq: 25 Oct 2016 21:06

Tgt Ion:200 Resp: 373052
Ion Ratio Lower Upper
200 100
173 24.1 13.2 53.2
215 52.3 41.8 81.8

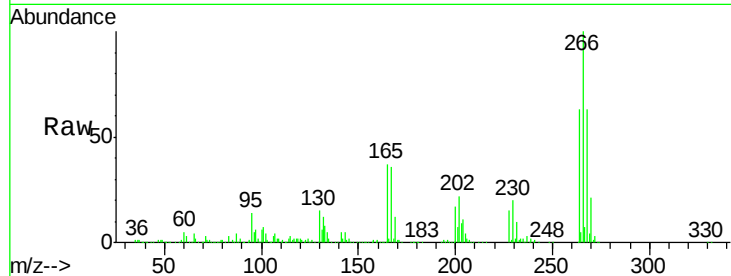




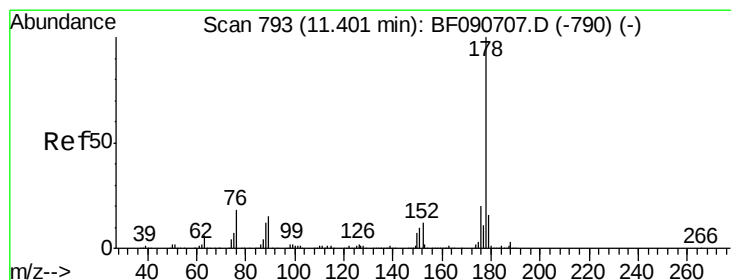
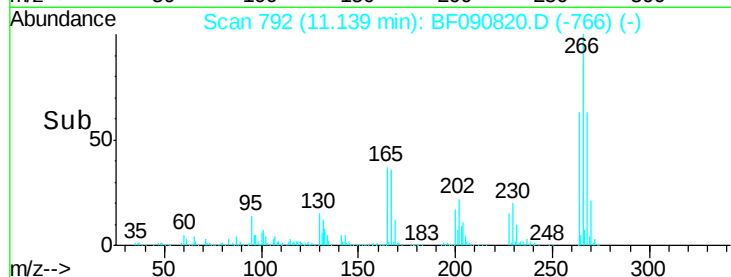
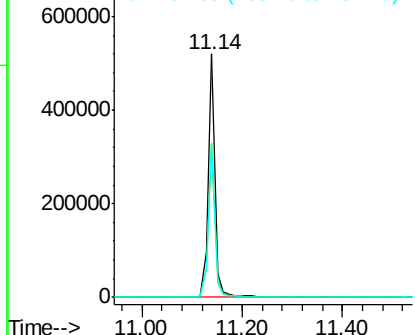
#69
 Pentachlorophenol
 Concen: 92.26 ng
 RT: 11.14 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: BF090820.D
 Acq: 25 Oct 2016 21:06

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-NORTHMS

Tgt Ion:266 Resp: 490372
 Ion Ratio Lower Upper
 266 100
 268 63.1 49.8 74.6
 264 62.5 50.2 75.2

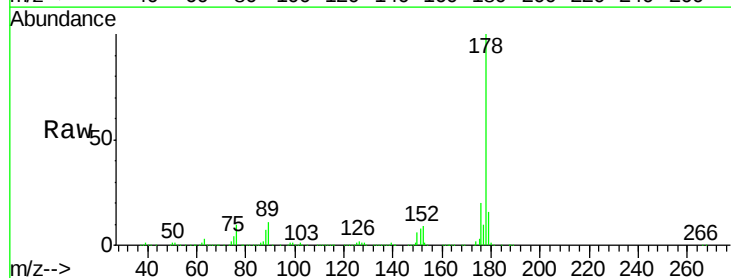


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

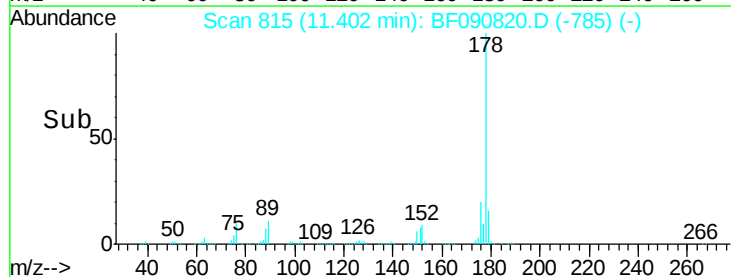
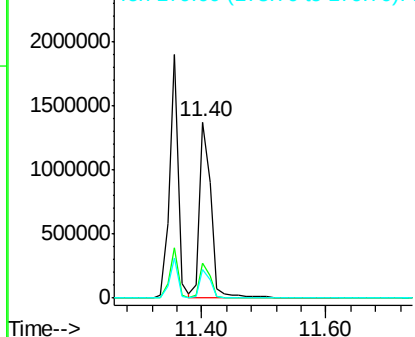


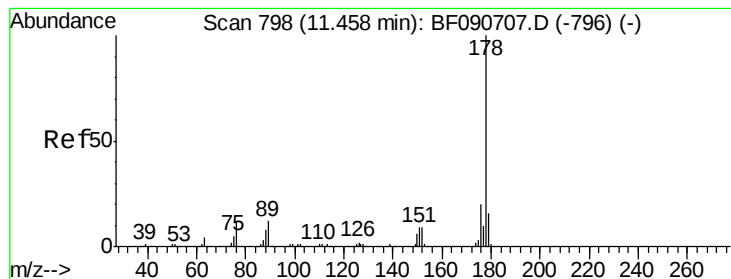
#70
 Phenanthrene
 Concen: 50.22 ng
 RT: 11.40 min Scan# 815
 Delta R.T. 0.05 min
 Lab File: BF090820.D
 Acq: 25 Oct 2016 21:06

Tgt Ion:178 Resp: 1779296
 Ion Ratio Lower Upper
 178 100
 176 19.7 13.8 20.8
 179 16.2 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: 45.50 ng

RT: 11.40 min Scan# 815

Delta R.T. 0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMS

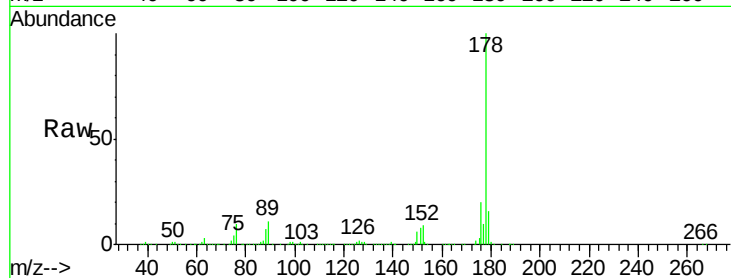
Tgt Ion:178 Resp: 1787725

Ion Ratio Lower Upper

178 100

176 19.7 14.1 21.1

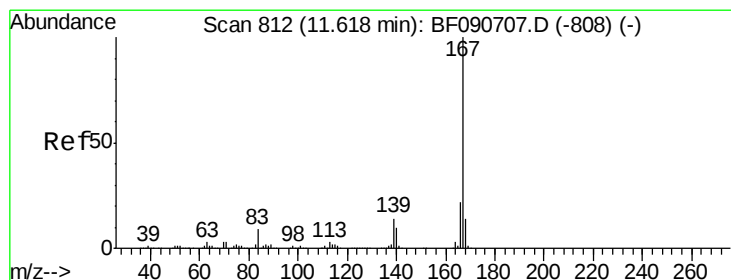
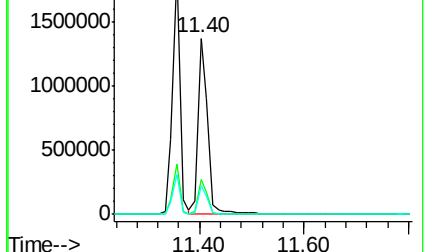
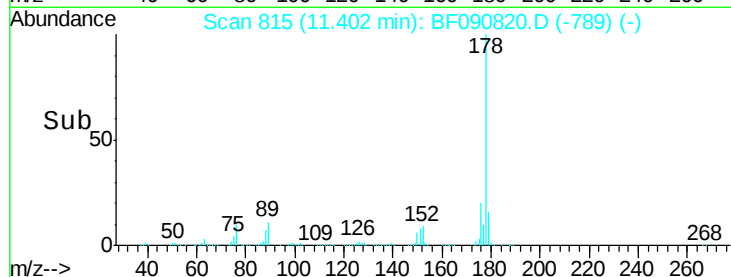
179 16.2 12.2 18.2



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: 48.10 ng

RT: 11.56 min Scan# 829

Delta R.T. 0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

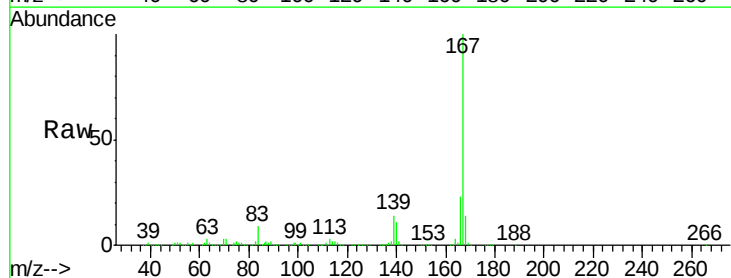
Tgt Ion:167 Resp: 1579951

Ion Ratio Lower Upper

167 100

166 23.2 15.7 23.5

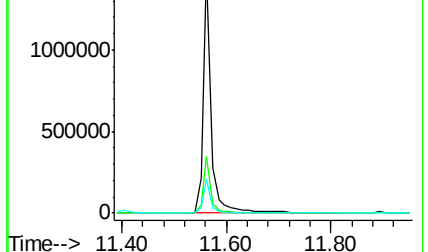
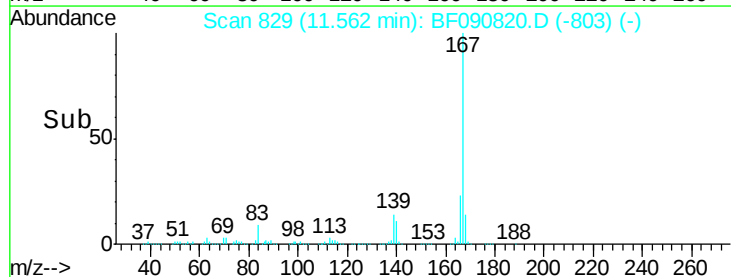
139 14.0 9.5 14.3

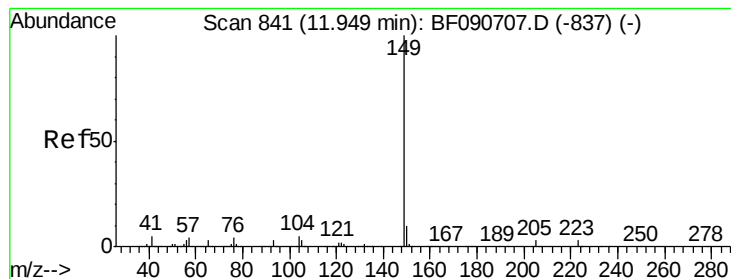


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 43.98 ng

RT: 11.89 min Scan# 858

Delta R.T. 0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMS

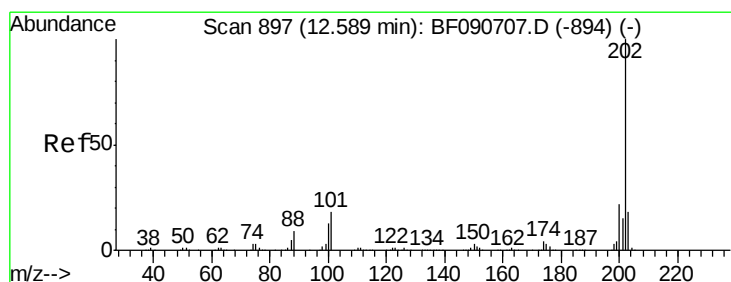
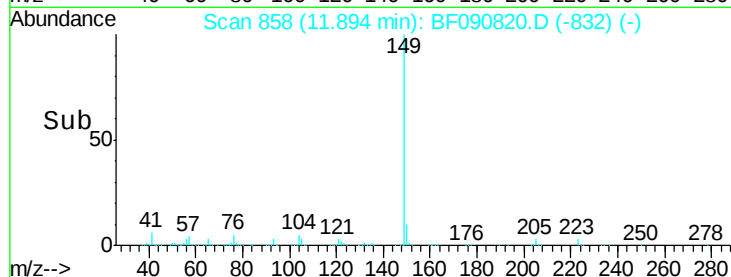
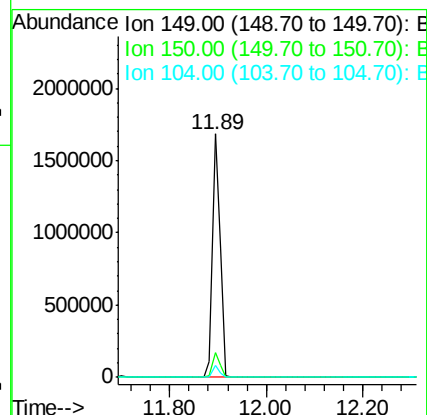
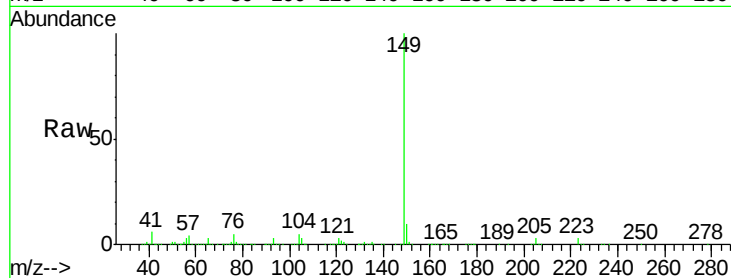
Tgt Ion:149 Resp: 1873903

Ion Ratio Lower Upper

149 100

150 10.1 7.4 11.2

104 4.9 2.4 3.6#



#74

Fluoranthene

Concen: 54.84 ng

RT: 12.55 min Scan# 915

Delta R.T. 0.01 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

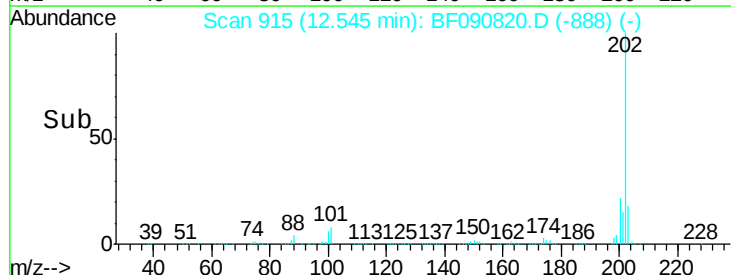
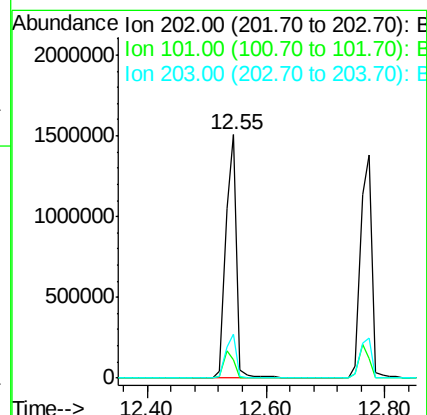
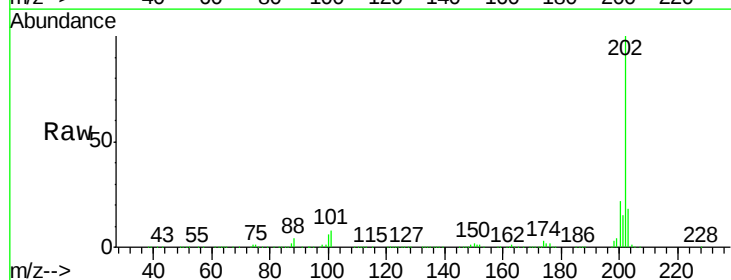
Tgt Ion:202 Resp: 1879469

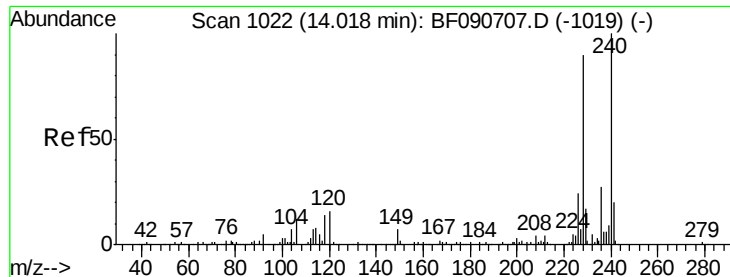
Ion Ratio Lower Upper

202 100

101 7.6 0.0 38.3

203 18.0 0.0 37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.97 min Scan# 1040

Delta R.T. 0.01 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMS

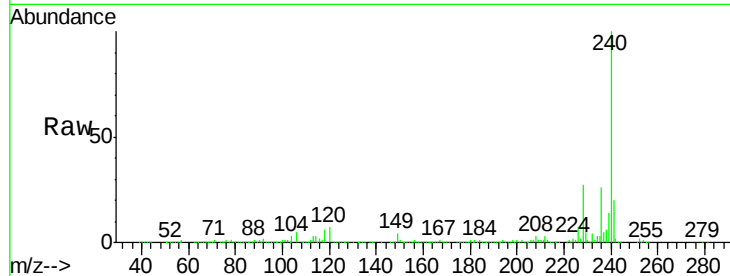
Tgt Ion:240 Resp: 453375

Ion Ratio Lower Upper

240 100

120 7.3 16.2 24.2#

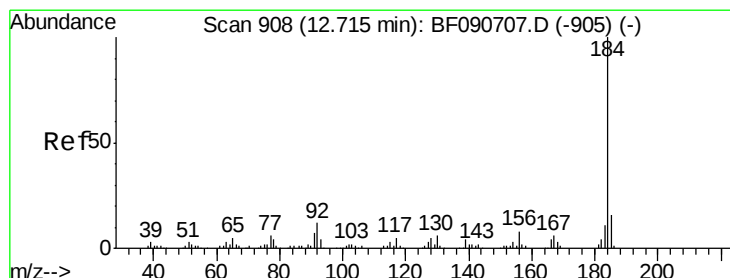
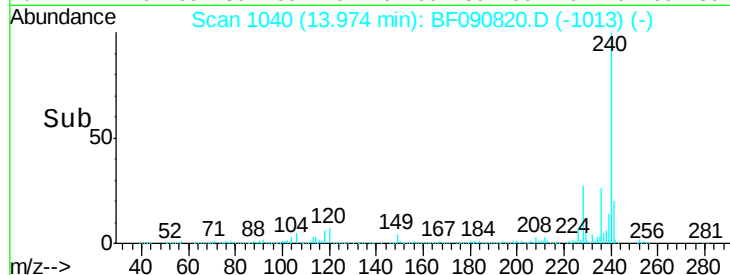
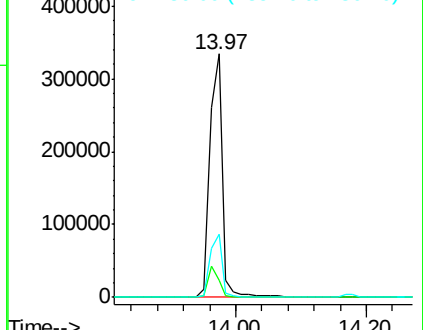
236 25.8 18.4 27.6



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: 37.54 ng

RT: 12.67 min Scan# 926

Delta R.T. 0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

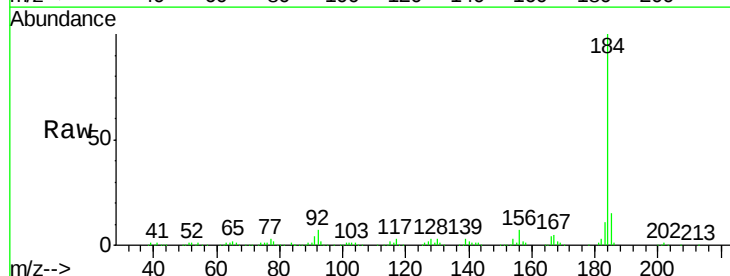
Tgt Ion:184 Resp: 377868

Ion Ratio Lower Upper

184 100

185 14.6 11.8 17.6

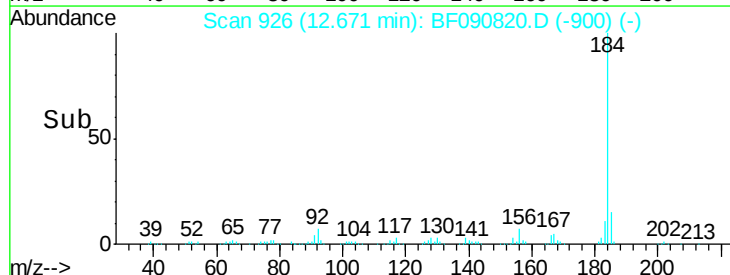
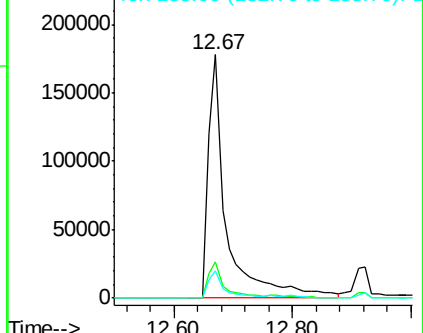
183 11.4 7.6 11.4

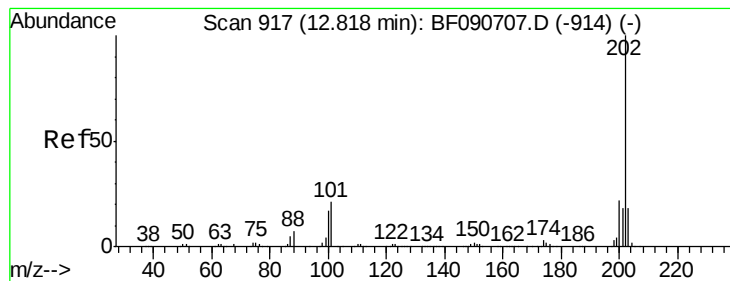


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 57.79 ng

RT: 12.77 min Scan# 935

Delta R.T. 0.01 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMS

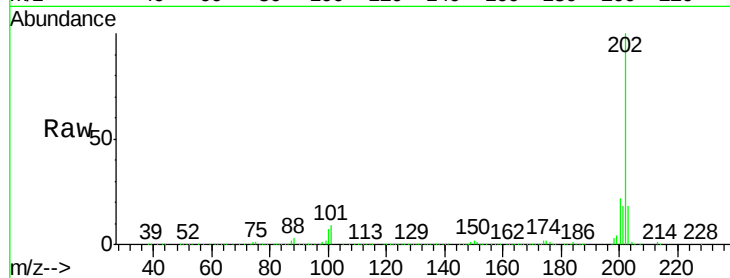
Tgt Ion:202 Resp: 1829849

Ion Ratio Lower Upper

202 100

200 21.8 15.0 22.4

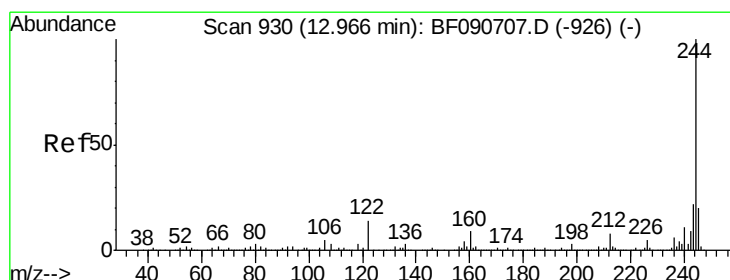
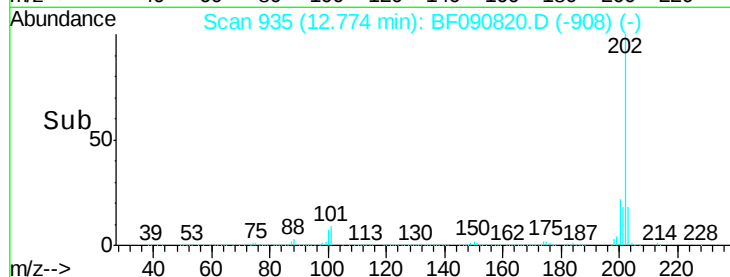
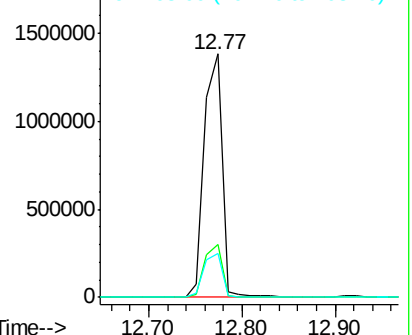
203 17.8 14.1 21.1



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: 124.40 ng

RT: 12.92 min Scan# 948

Delta R.T. 0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

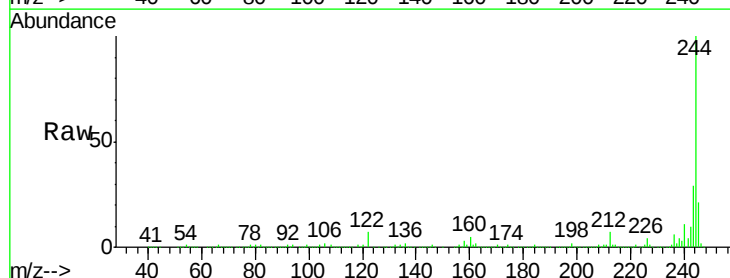
Tgt Ion:244 Resp: 2460782

Ion Ratio Lower Upper

244 100

212 6.7 4.3 6.5#

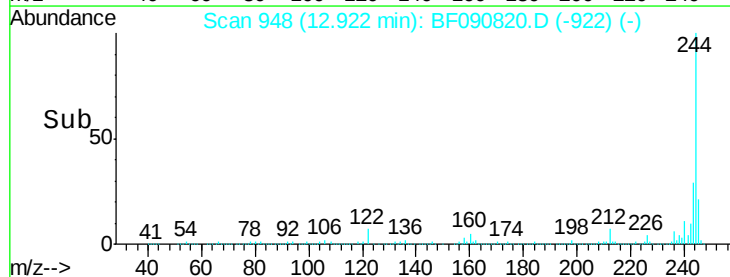
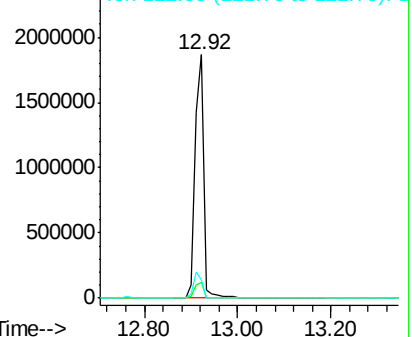
122 7.4 17.4 26.2#

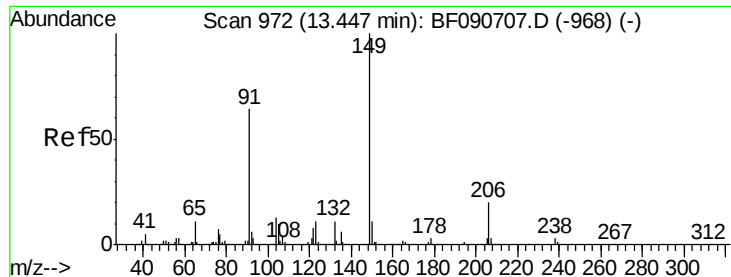


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 57.02 ng

RT: 13.39 min Scan# 989

Delta R.T. 0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMS

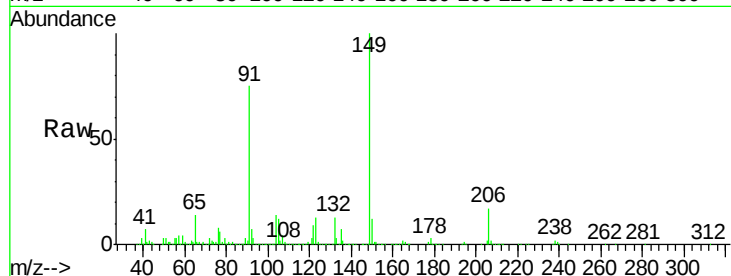
Tgt Ion:149 Resp: 829974

Ion Ratio Lower Upper

149 100

91 75.1 48.6 72.8#

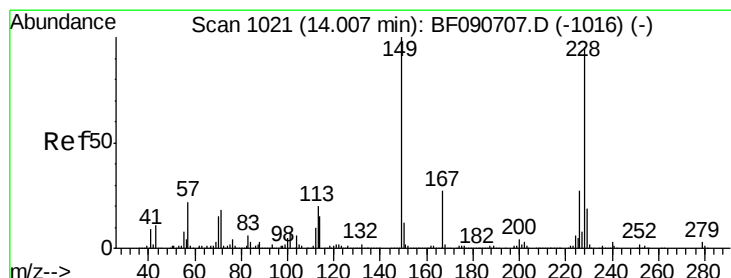
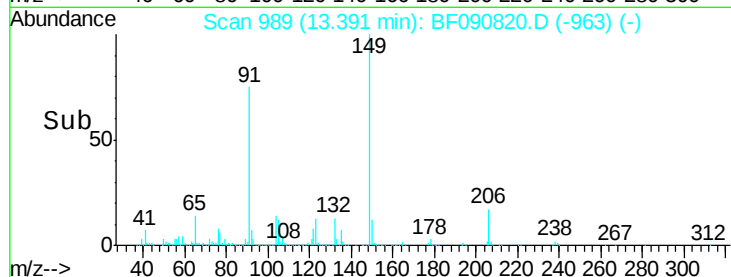
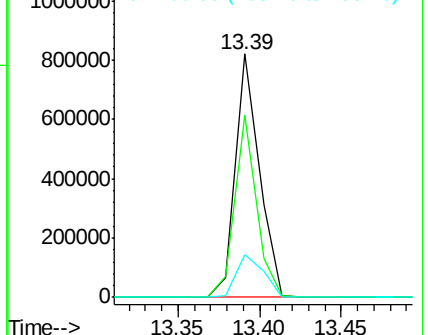
206 17.3 14.9 22.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 52.33 ng

RT: 13.96 min Scan# 1039

Delta R.T. 0.01 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

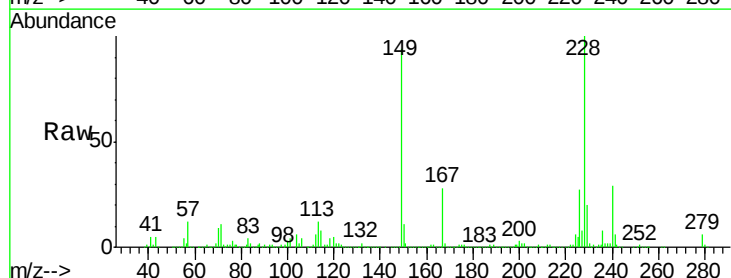
Tgt Ion:228 Resp: 1298324

Ion Ratio Lower Upper

228 100

226 27.2 20.0 30.0

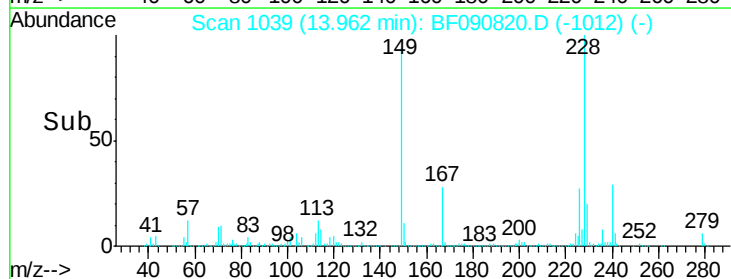
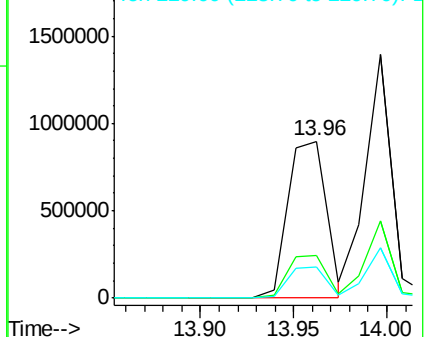
229 19.7 15.4 23.2



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

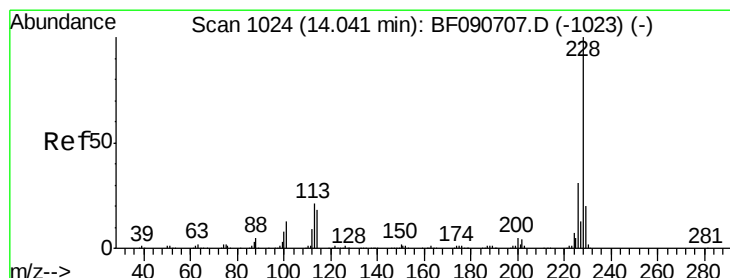
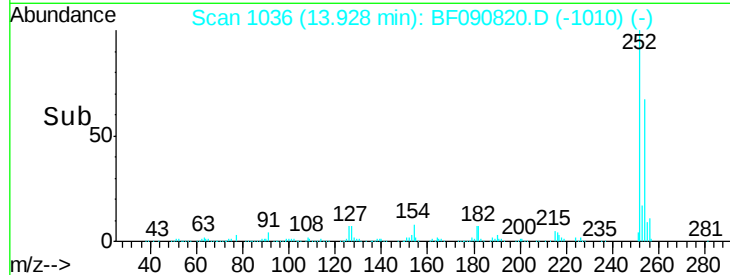
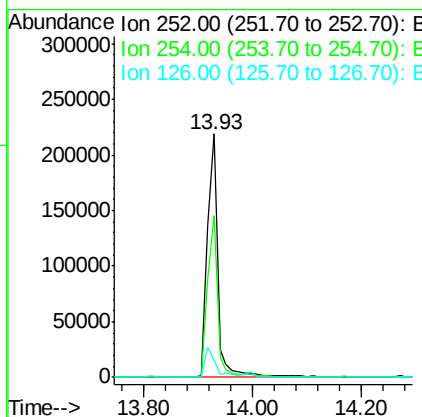
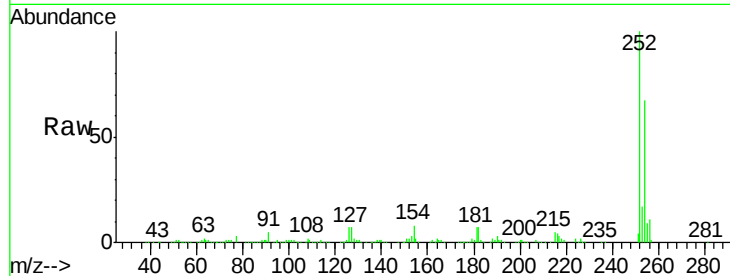




#81
 3,3'-Dichlorobenzidine
 Concen: 34.27 ng
 RT: 13.93 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: BF090820.D
 Acq: 25 Oct 2016 21:06

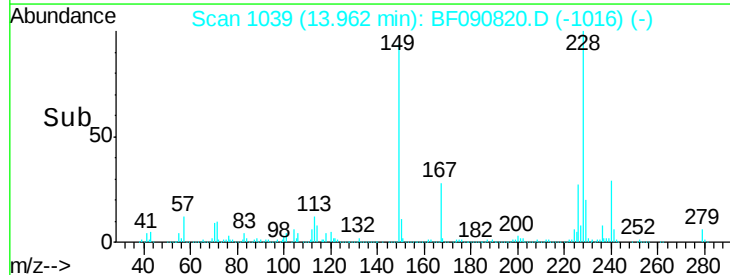
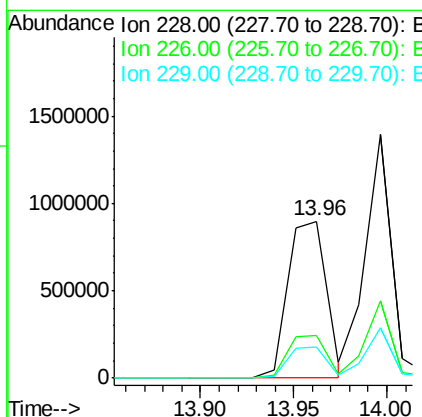
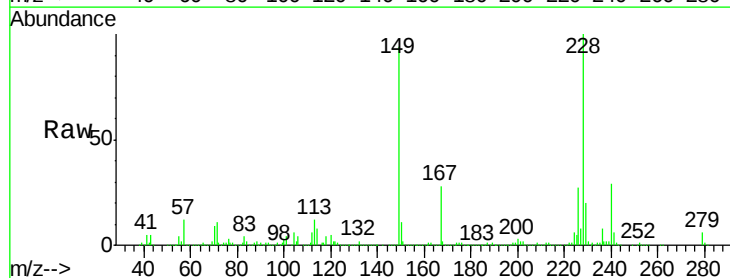
Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-NORTHMS

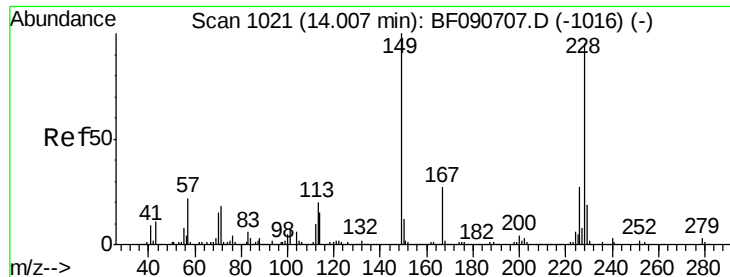
Tgt Ion: 252 Resp: 294639
 Ion Ratio Lower Upper
 252 100
 254 66.7 51.4 77.2
 126 6.9 16.4 24.6#



#82
 Chrysene
 Concen: 53.62 ng
 RT: 13.96 min Scan# 1039
 Delta R.T. -0.03 min
 Lab File: BF090820.D
 Acq: 25 Oct 2016 21:06

Tgt Ion: 228 Resp: 1298324
 Ion Ratio Lower Upper
 228 100
 226 27.2 21.0 31.4
 229 19.7 15.6 23.4

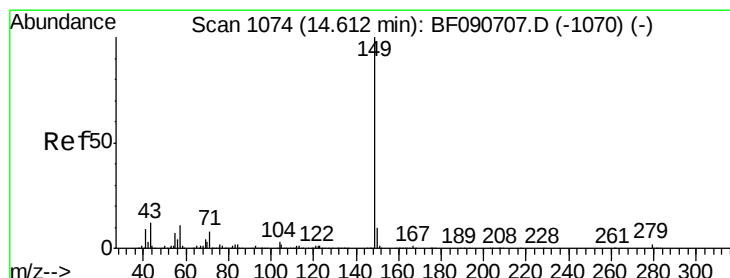
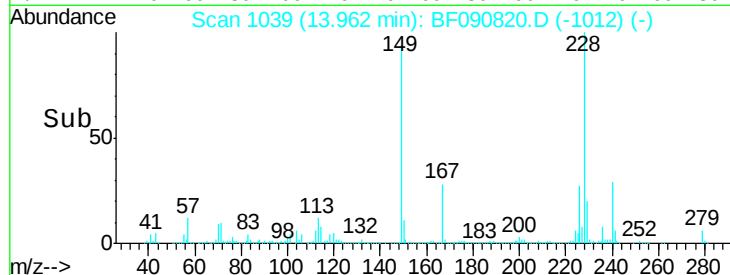
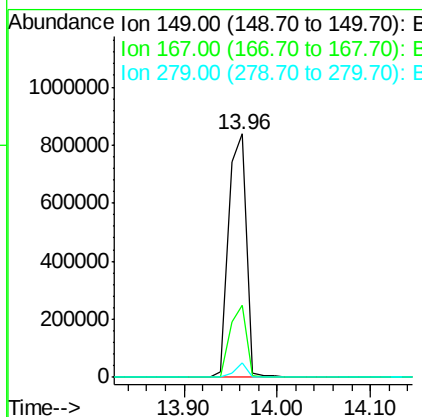
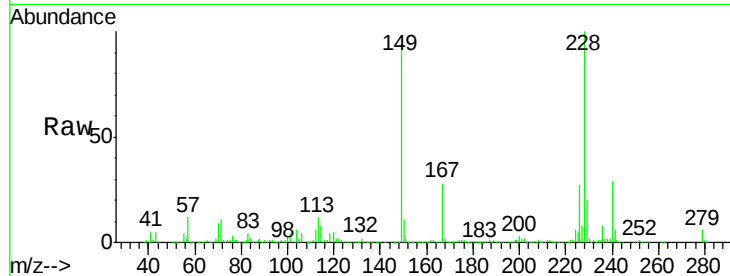




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 53.59 ng
 RT: 13.96 min Scan# 1039
 Delta R.T. 0.01 min
 Lab File: BF090820.D
 Acq: 25 Oct 2016 21:06

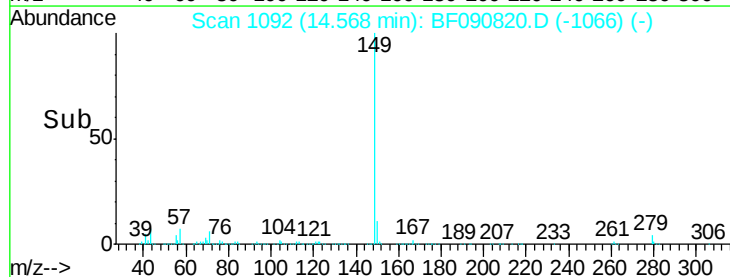
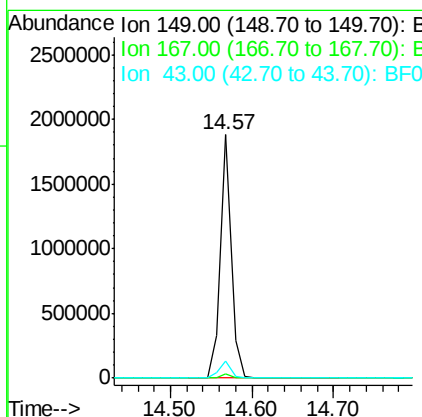
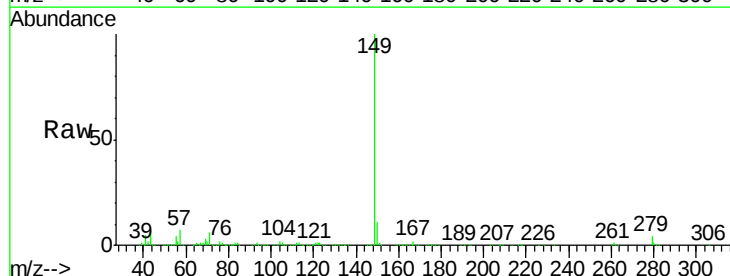
Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-NORTHMS

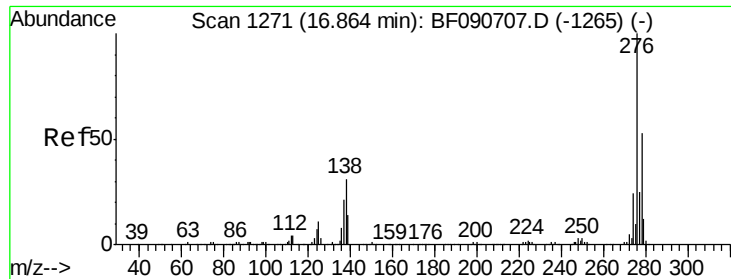
Tgt Ion:149 Resp: 1115904
 Ion Ratio Lower Upper
 149 100
 167 29.8 24.2 36.2
 279 6.1 3.8 5.6#



#84
 Di-n-octyl phthalate
 Concen: 55.14 ng
 RT: 14.57 min Scan# 1092
 Delta R.T. 0.00 min
 Lab File: BF090820.D
 Acq: 25 Oct 2016 21:06

Tgt Ion:149 Resp: 1742710
 Ion Ratio Lower Upper
 149 100
 167 1.7 1.0 1.6#
 43 7.1 10.2 15.2#

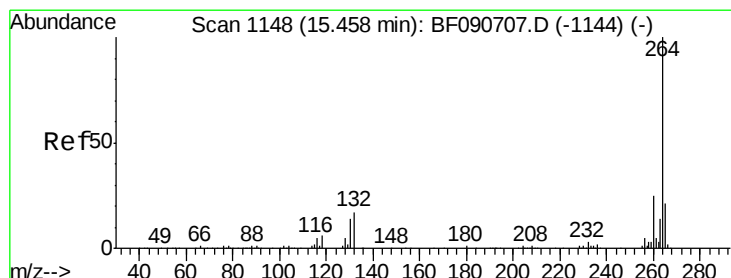
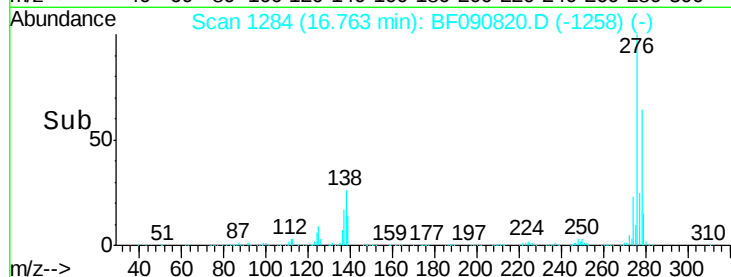
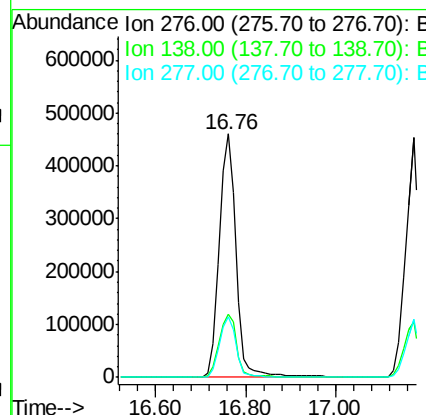
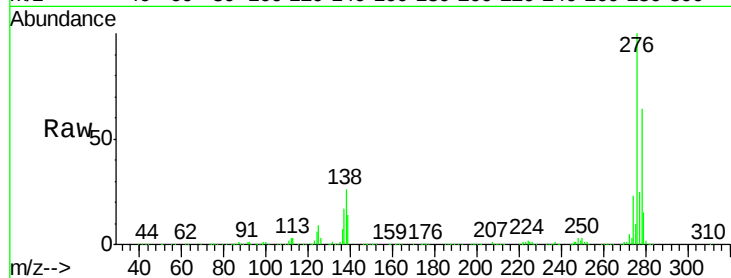




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 57.20 ng
 RT: 16.76 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: BF090820.D
 Acq: 25 Oct 2016 21:06

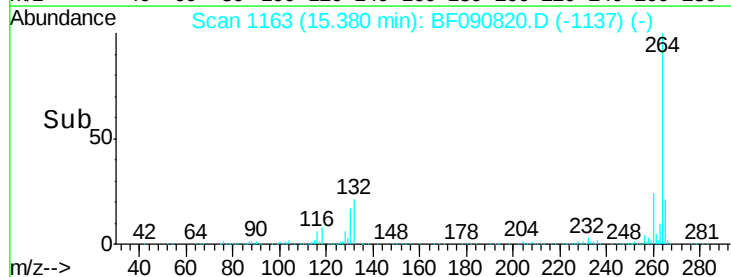
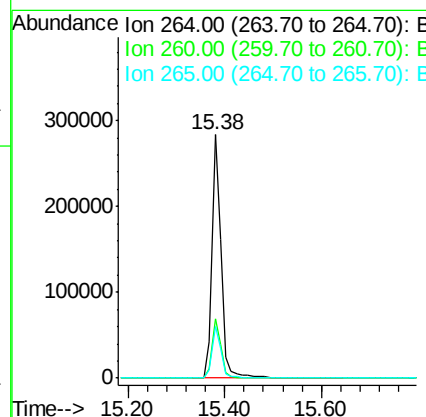
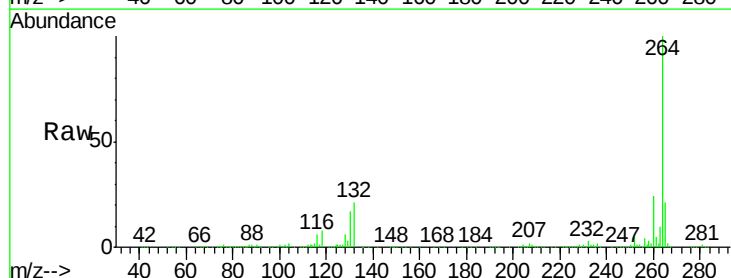
Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-NORTHMS

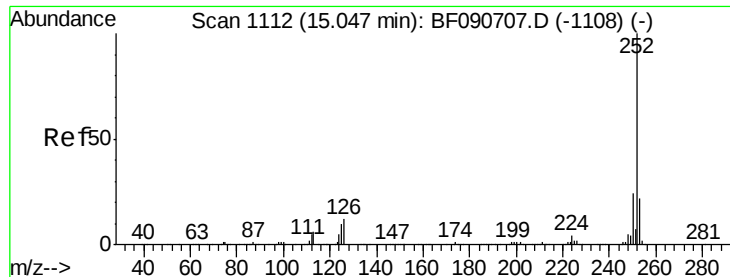
Tgt Ion: 276 Resp: 1208319
 Ion Ratio Lower Upper
 276 100
 138 27.5 25.7 38.5
 277 25.2 15.6 23.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.38 min Scan# 1163
 Delta R.T. 0.00 min
 Lab File: BF090820.D
 Acq: 25 Oct 2016 21:06

Tgt Ion: 264 Resp: 375066
 Ion Ratio Lower Upper
 264 100
 260 24.4 16.7 25.1
 265 21.4 17.2 25.8

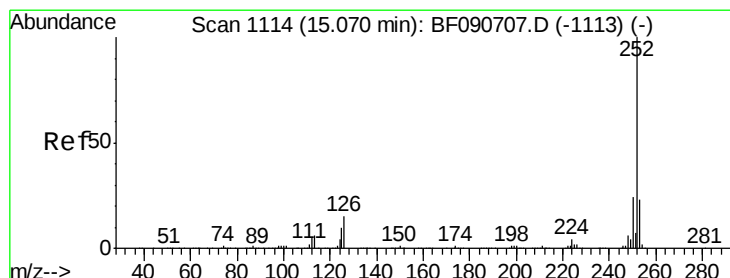
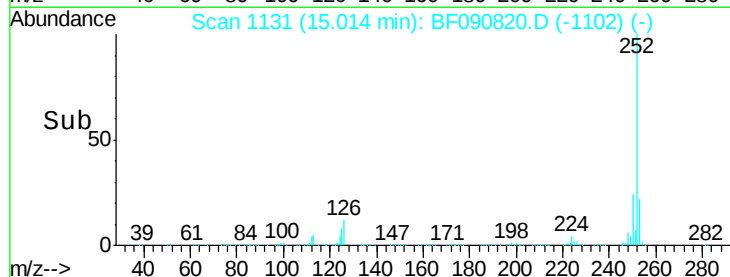
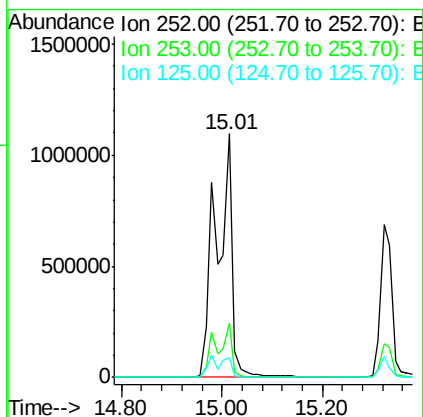
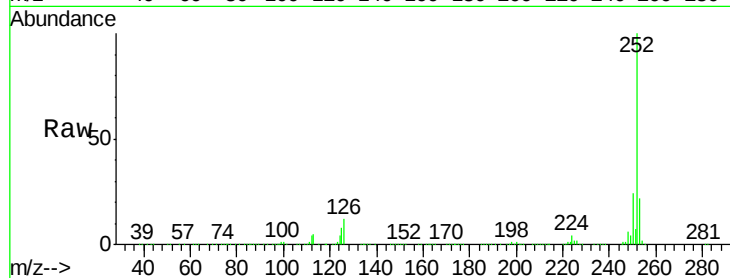




#87
Benzo(b)fluoranthene
Concen: 105.21 ng
RT: 15.01 min Scan# 1131
Delta R.T. 0.03 min
Lab File: BF090820.D
Acq: 25 Oct 2016 21:06

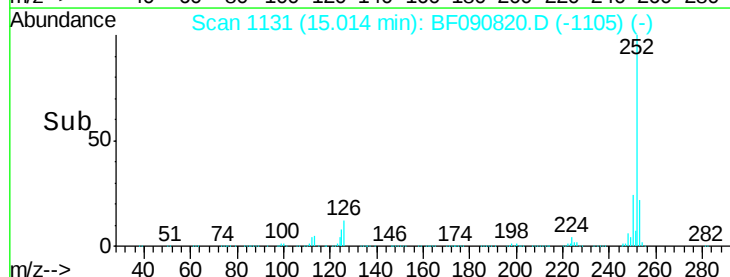
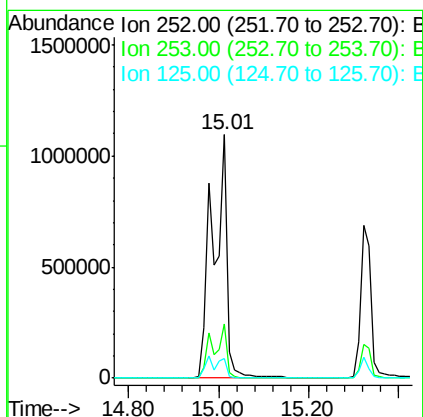
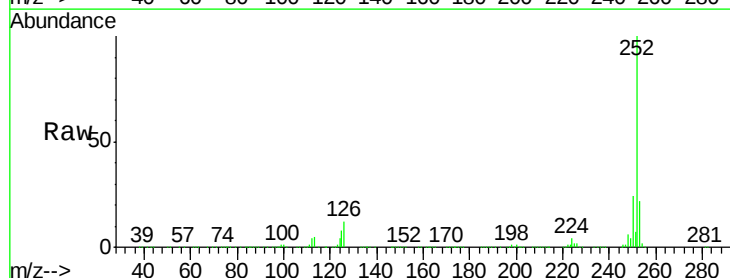
Instrument :
BNA_F
ClientSampleId :
BOTTOM-NORTHMS

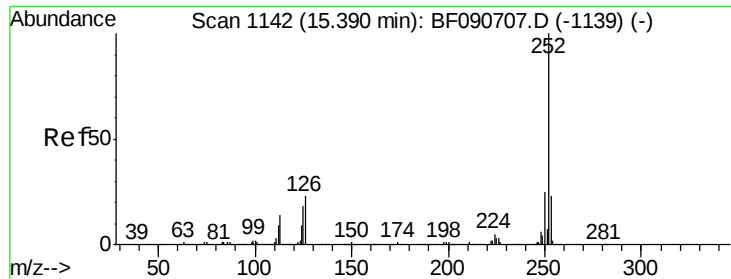
Tgt Ion:252 Resp: 2426374
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 8.2 17.1 25.7#



#88
Benzo(k)fluoranthene
Concen: 104.87 ng
RT: 15.01 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BF090820.D
Acq: 25 Oct 2016 21:06

Tgt Ion:252 Resp: 2430609
Ion Ratio Lower Upper
252 100
253 22.3 17.0 25.4
125 8.2 16.0 24.0#





#89

Benzo(a)pyrene

Concen: 51.02 ng

RT: 15.32 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMS

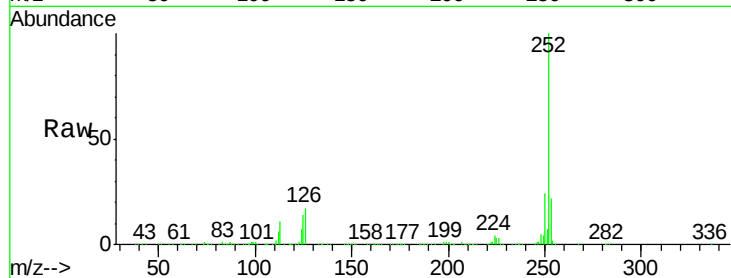
Tgt Ion:252 Resp: 1103923

Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

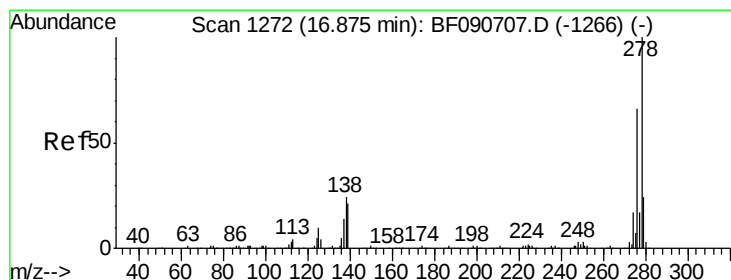
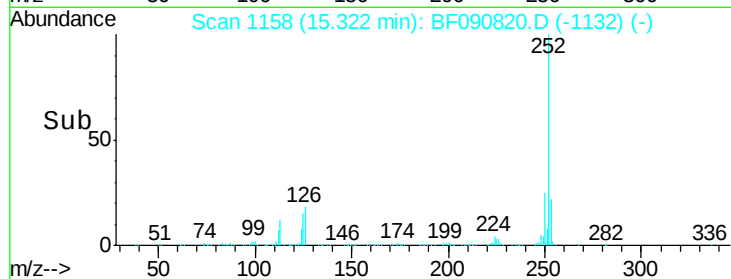
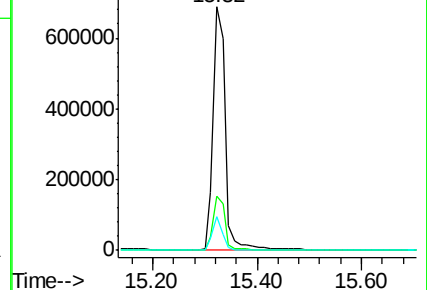
125 13.6 18.0 27.0#



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



#90

Dibenzo(a,h)anthracene

Concen: 48.95 ng

RT: 16.77 min Scan# 1285

Delta R.T. 0.00 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

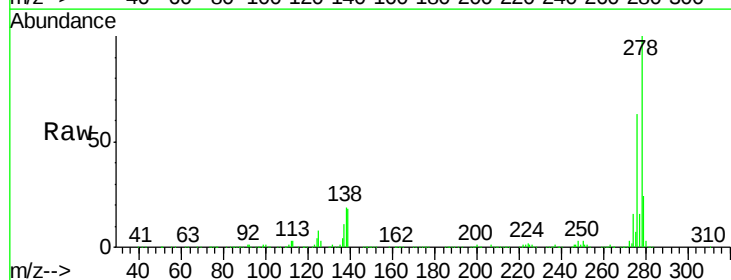
Tgt Ion:278 Resp: 1016961

Ion Ratio Lower Upper

278 100

139 17.6 26.3 39.5#

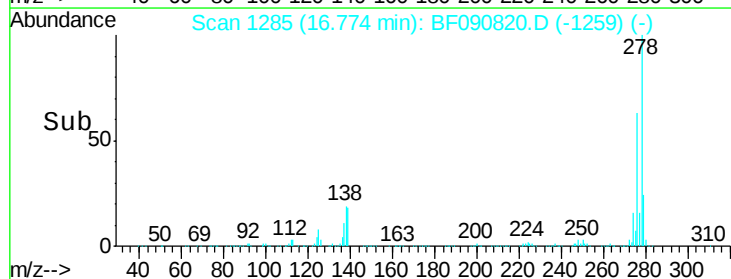
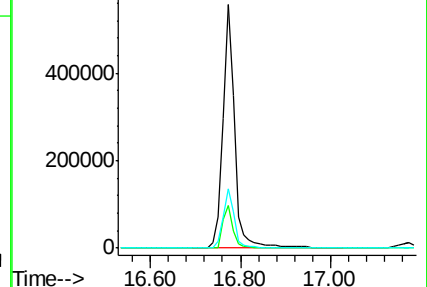
279 24.5 18.2 27.4

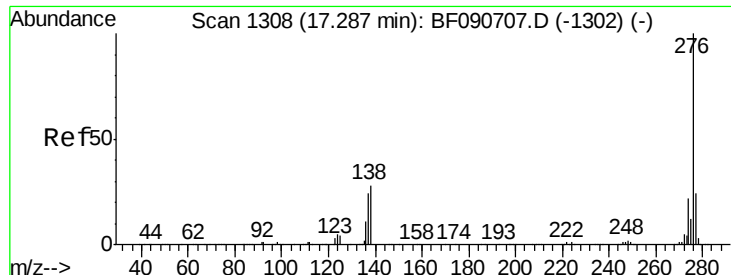


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 48.23 ng

RT: 17.17 min Scan# 1320

Delta R.T. 0.01 min

Lab File: BF090820.D

Acq: 25 Oct 2016 21:06

Instrument :

BNA_F

ClientSampleId :

BOTTOM-NORTHMS

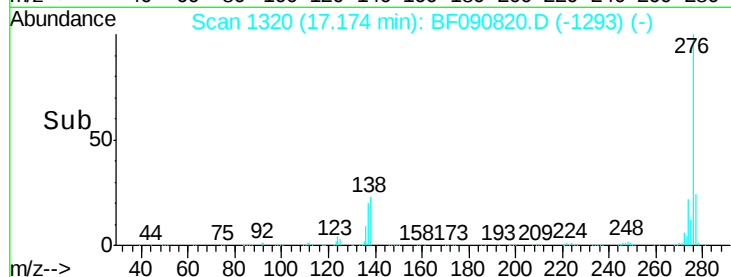
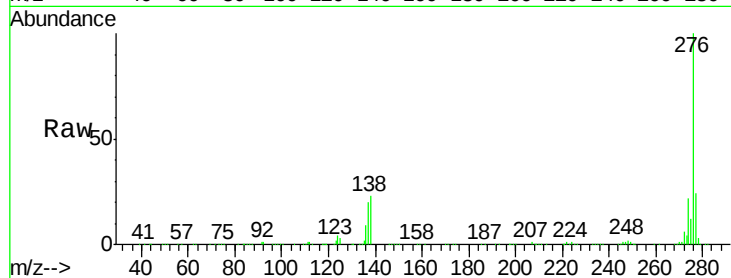
Tgt Ion: 276 Resp: 971821

Ion Ratio Lower Upper

276 100

277 24.0 17.8 26.6

138 23.1 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

