

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101916\
 Data File : BF090661.D
 Acq On : 19 Oct 2016 21:28
 Operator : UM/SJ
 Sample : H5317-03MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 101816-03MSD

Quant Time: Oct 20 01:02:54 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 19 15:13:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	235971	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	1068759	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	549288	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	778583	20.00	ng	0.00
75) Chrysene-d12	14.06	240	532635	20.00	ng	0.00
86) Perylene-d12	15.50	264	477081	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1513641	117.59	ng	0.01
7) Phenol-d6	6.53	99	1903480	99.52	ng	0.00
23) Nitrobenzene-d5	7.46	82	1282568	66.66	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	413150	84.37	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	1803206	54.09	ng	-0.01
78) Terphenyl-d14	13.00	244	1378220	60.25	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.55	88	203597	27.75	ng	98
3) Pyridine	3.29	79	541821	32.95	ng	97
4) n-Nitrosodimethylamine	3.24	42	227630	40.07	ng	94
6) Aniline	6.55	93	625895	27.08	ng	96
8) 2-Chlorophenol	6.68	128	553469	33.16	ng	# 81
9) Benzaldehyde	6.43	77	121927	10.03	ng	87
10) Phenol	6.54	94	811802	37.11	ng	92
11) bis(2-Chloroethyl)ether	6.62	93	599096	33.19	ng	96
12) 1,3-Dichlorobenzene	6.83	146	547644	32.90	ng	100
13) 1,4-Dichlorobenzene	6.91	146	547704	30.25	ng	99
14) 1,2-Dichlorobenzene	7.06	146	552464	32.64	ng	98
15) Benzyl Alcohol	7.03	79	514121	39.46	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.17	45	916645	36.09	ng	90
17) 2-Methylphenol	7.15	107	455214	35.00	ng	98
18) Hexachloroethane	7.40	117	212667	29.73	ng	96
19) n-Nitroso-di-n-propylamine	7.31	70	485671	37.03	ng	# 90
20) 3+4-Methylphenols	7.31	107	566623	35.93	ng	# 71
22) Acetophenone	7.30	105	761955	32.27	ng	# 95
24) Nitrobenzene	7.47	77	600347	30.40	ng	99
25) Isophorone	7.71	82	1171489	33.46	ng	100
26) 2-Nitrophenol	7.79	139	234286	26.15	ng	94
27) 2,4-Dimethylphenol	7.83	122	515741	34.70	ng	99
28) bis(2-Chloroethoxy)methane	7.93	93	715602	34.61	ng	99
29) 2,4-Dichlorophenol	8.04	162	387033	29.73	ng	97
30) 1,2,4-Trichlorobenzene	8.12	180	435233	28.54	ng	99
31) Naphthalene	8.20	128	1636406	30.06	ng	100
32) Benzoic acid	7.91	122	65419	7.17	ng	97
33) 4-Chloroaniline	8.25	127	392444	18.86	ng	99
34) Hexachlorobutadiene	8.31	225	232364	27.27	ng	99
35) Caprolactam	8.61	113	127985	35.22	ng	# 84
36) 4-Chloro-3-methylphenol	8.74	107	488980	32.55	ng	88
37) 2-Methylnaphthalene	8.89	142	930636	29.11	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.06	216	440814	30.27	ng	100
40) Hexachlorocyclopentadiene	9.05	237	284721	40.02	ng	99

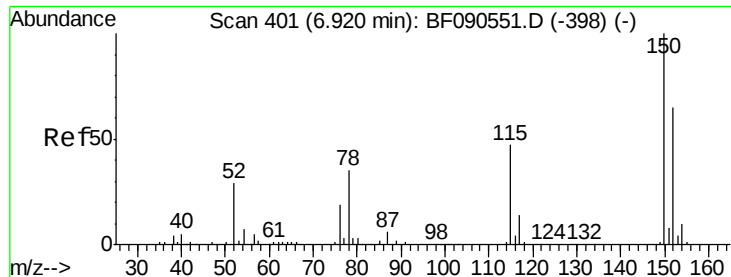
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101916\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 19 15:13:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.17	196	275600	33.55	ng	97
43) 2,4,5-Trichlorophenol	9.22	196	274295	27.99	ng	# 87
45) 1,1'-Biphenyl	9.35	154	1224139	29.29	ng	99
46) 2-Chloronaphthalene	9.38	162	899655	28.87	ng	99
47) 2-Nitroaniline	9.48	65	351746	31.13	ng	93
48) Acenaphthylene	9.80	152	1402437	28.26	ng	98
49) Dimethylphthalate	9.66	163	1705447	47.85	ng	# 98
50) 2,6-Dinitrotoluene	9.72	165	243615	31.24	ng	90
51) Acenaphthene	9.97	154	873503	26.48	ng	100
52) 3-Nitroaniline	9.89	138	235456	24.06	ng	94
53) 2,4-Dinitrophenol	9.99	184	17394	9.49	ng	# 57
54) Dibenzofuran	10.14	168	1241288	28.61	ng	100
55) 4-Nitrophenol	10.05	139	261987	44.49	ng	# 83
56) 2,4-Dinitrotoluene	10.12	165	292440	27.61	ng	# 84
57) Fluorene	10.49	166	998660	27.90	ng	100
58) 2,3,4,6-Tetrachlorophenol	10.26	232	206247	25.27	ng	94
59) Diethylphthalate	10.36	149	1123422	31.08	ng	94
60) 4-Chlorophenyl-phenylether	10.47	204	486759	28.85	ng	98
61) 4-Nitroaniline	10.51	138	237400	24.19	ng	97
62) Azobenzene	10.63	77	1349449	32.28	ng	99
64) 4,6-Dinitro-2-methylphenol	10.53	198	22516	4.78	ng	# 76
65) n-Nitrosodiphenylamine	10.59	169	804184	31.27	ng	99
66) 4-Bromophenyl-phenylether	10.97	248	248667	29.77	ng	97
67) Hexachlorobenzene	11.03	284	277617	30.61	ng	# 66
68) Atrazine	11.13	200	238698	33.56	ng	92
69) Pentachlorophenol	11.23	266	227931	50.70	ng	97
70) Phenanthrene	11.45	178	1326219	31.91	ng	99
71) Anthracene	11.49	178	1289624	28.83	ng	100
72) Carbazole	11.65	167	1165234	29.10	ng	100
73) Di-n-butylphthalate	11.98	149	1633366	34.82	ng	99
74) Fluoranthene	12.64	202	1097168	26.25	ng	98
76) Benzidine	12.76	184	467668	35.29	ng	95
77) Pyrene	12.86	202	1063583	30.15	ng	100
79) Butylbenzylphthalate	13.48	149	610816	39.08	ng	98
80) Benzo(a)anthracene	14.05	228	909423	29.99	ng	98
81) 3,3'-Dichlorobenzidine	14.02	252	282855	27.30	ng	98
82) Chrysene	14.09	228	940243	32.18	ng	99
83) Bis(2-ethylhexyl)phthalate	14.04	149	832446	39.48	ng	98
84) Di-n-octyl phthalate	14.65	149	1165261	41.22	ng	# 93
85) Indeno(1,2,3-cd)pyrene	16.94	276	842261	49.86	ng	97
87) Benzo(h)fluoranthene	15.09	252	880521	28.20	ng	# 96
88) Benzo(k)fluoranthene	15.09	252	880521	26.21	ng	98
89) Benzo(a)pyrene	15.45	252	810734	28.37	ng	99
90) Dibenzo(a,h)anthracene	16.96	278	736492	33.79	ng	99
91) Benzo(g,h,i)perylene	17.38	276	651556	31.35	ng	99

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

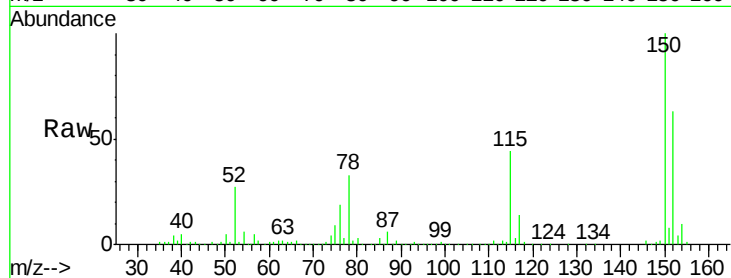


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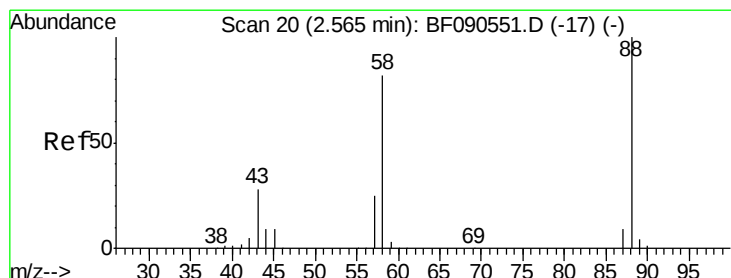
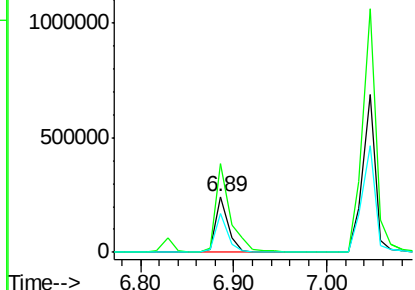
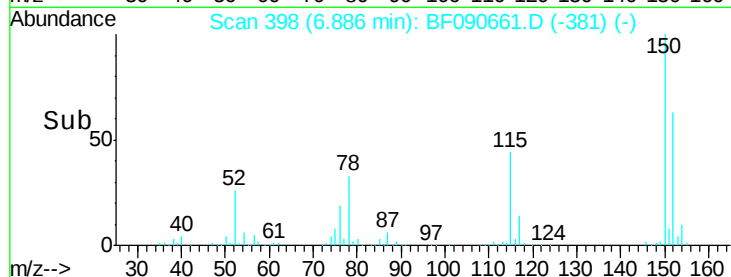
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 398
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Instrument :
BNA_F
ClientSampleId :
101816-03MSD

Tgt Ion: 152 Resp: 235971
Ion Ratio Lower Upper
152 100
150 159.1 127.2 190.8
115 69.8 58.6 88.0



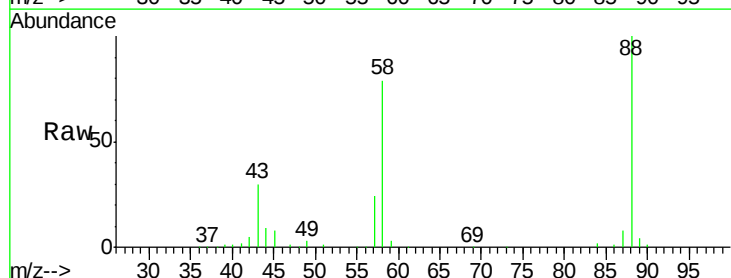
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



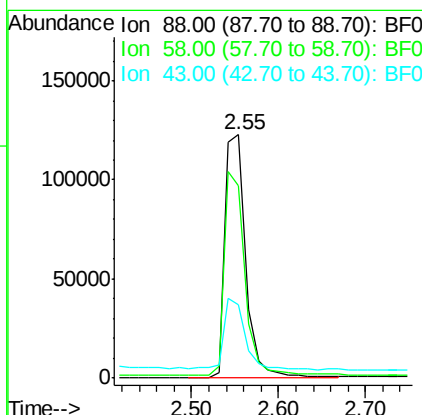
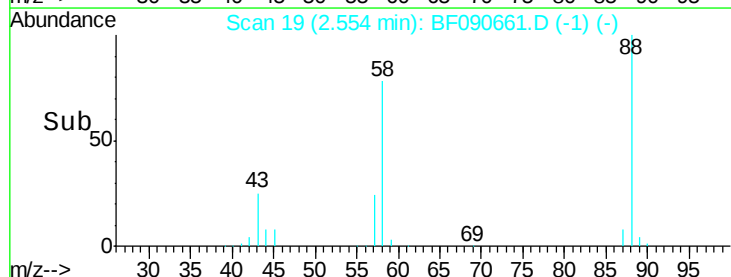
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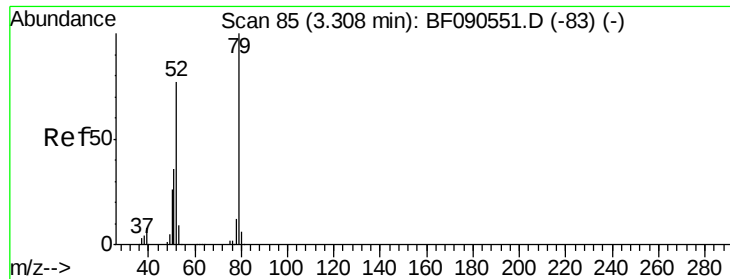
1,4-Dioxane
Concen: 27.75 ng
RT: 2.55 min Scan# 19
Delta R.T. 0.03 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Tgt Ion: 88 Resp: 203597
Ion Ratio Lower Upper
88 100
58 82.2 67.2 100.8
43 29.9 24.1 36.1



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: 32.95 ng

RT: 3.29 min Scan# 83

Delta R.T. 0.03 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

ClientSampleId :

101816-03MSD

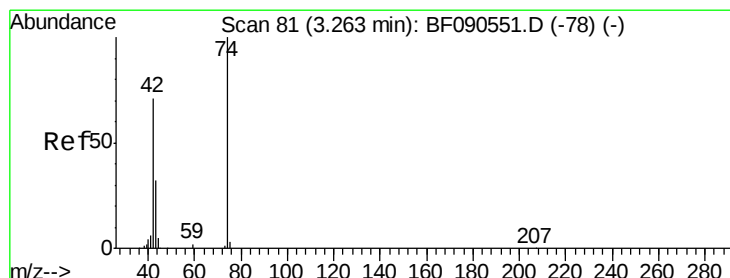
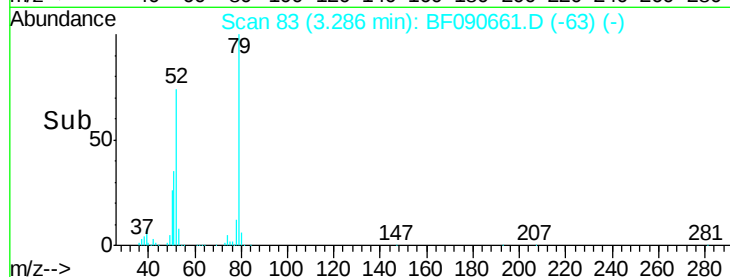
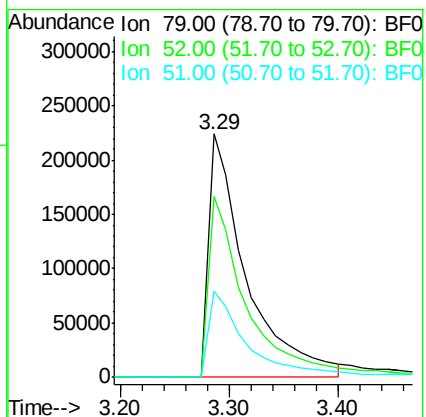
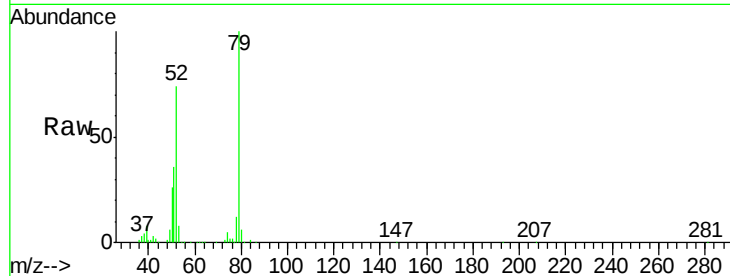
Tgt Ion: 79 Resp: 541821

Ion Ratio Lower Upper

79 100

52 74.4 61.8 92.8

51 35.6 29.2 43.8



#4

n-Nitrosodimethylamine

Concen: 40.07 ng

RT: 3.24 min Scan# 79

Delta R.T. 0.02 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

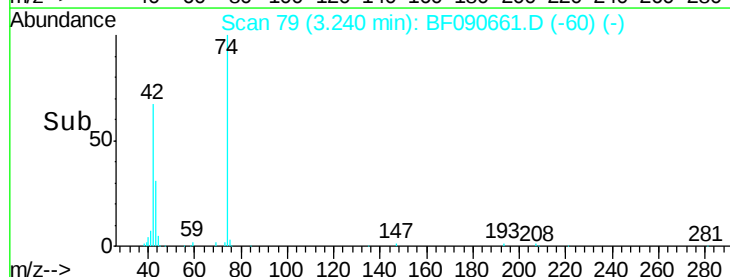
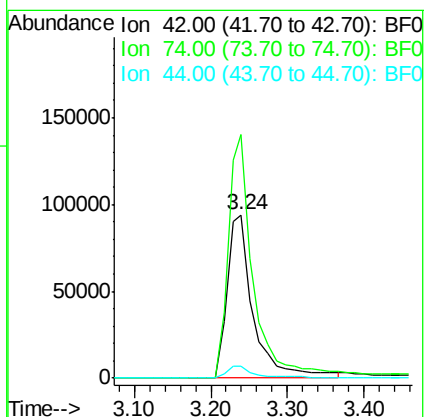
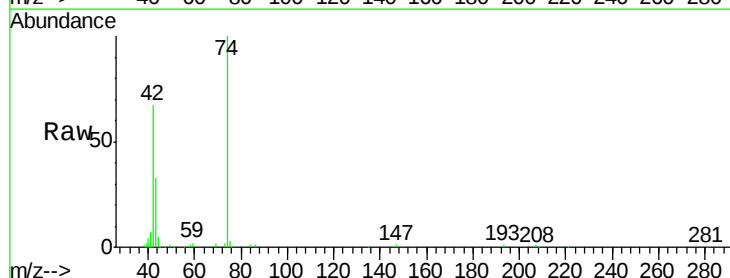
Tgt Ion: 42 Resp: 227630

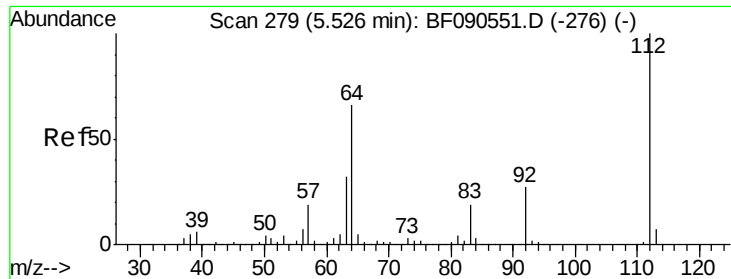
Ion Ratio Lower Upper

42 100

74 149.0 113.3 169.9

44 7.4 6.0 9.0





#5

2-Fluorophenol

Concen: 117.59 ng

RT: 5.50 min Scan# 277

Delta R.T. 0.01 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

ClientSampleId :

101816-03MSD

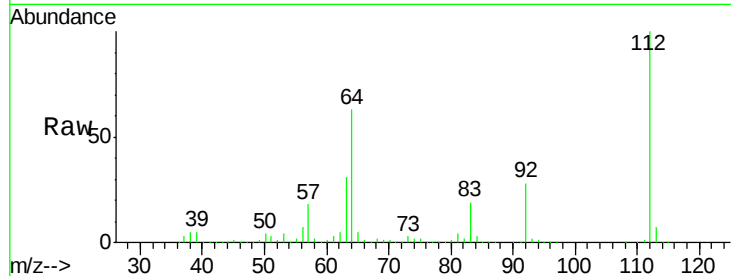
Tgt Ion: 112 Resp: 1513641

Ion Ratio Lower Upper

112 100

64 62.6 52.6 78.8

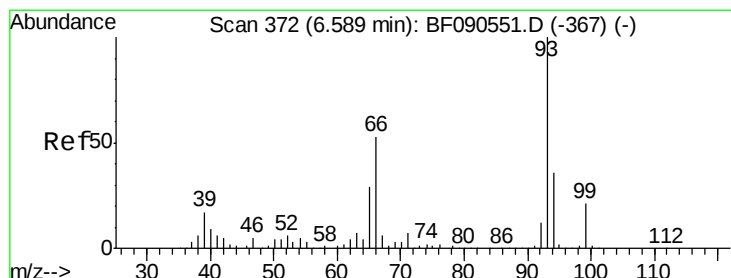
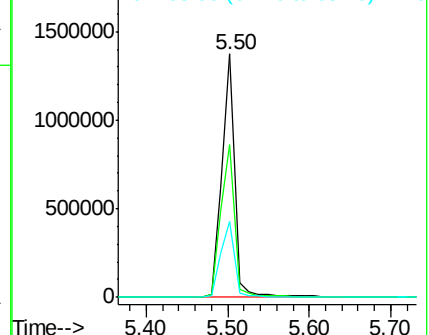
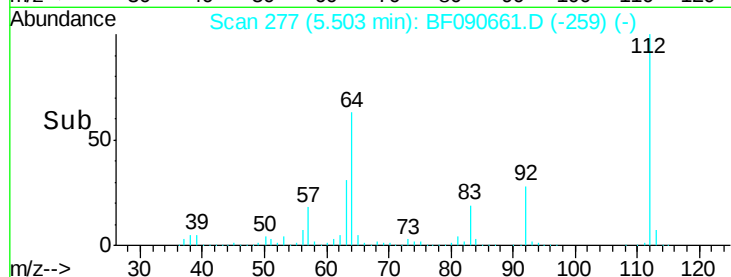
63 30.9 26.0 39.0



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: 27.08 ng

RT: 6.55 min Scan# 369

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

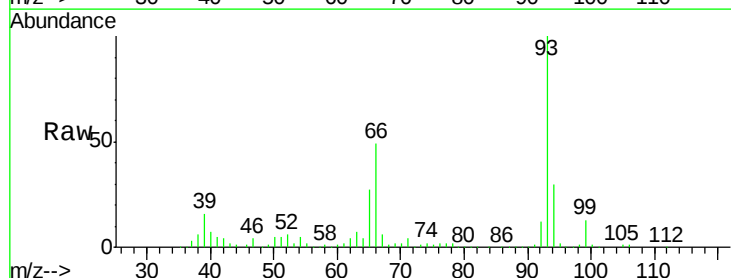
Tgt Ion: 93 Resp: 625895

Ion Ratio Lower Upper

93 100

66 49.4 42.2 63.2

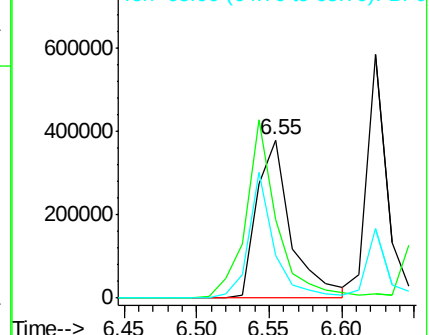
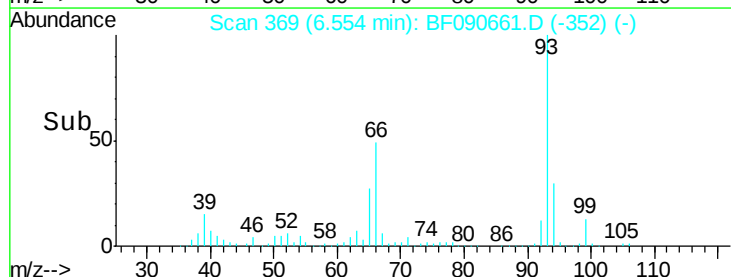
65 26.7 22.9 34.3

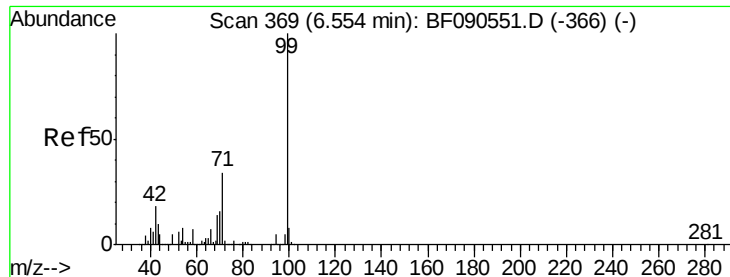


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 99.52 ng

RT: 6.53 min Scan# 367

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

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ClientSampleId :

101816-03MSD

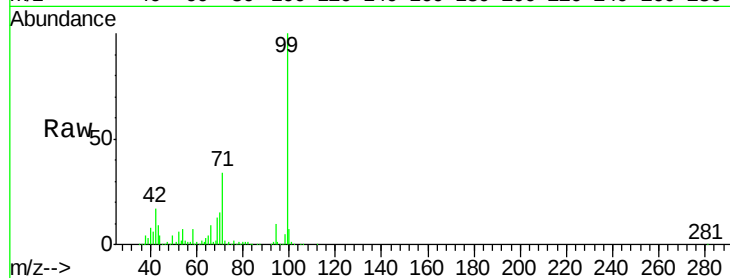
Tgt Ion: 99 Resp: 1903480

Ion Ratio Lower Upper

99 100

42 17.1 14.7 22.1

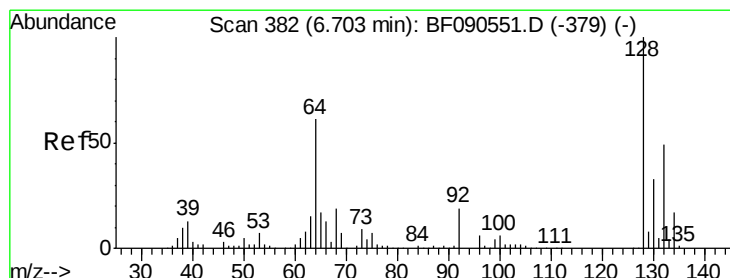
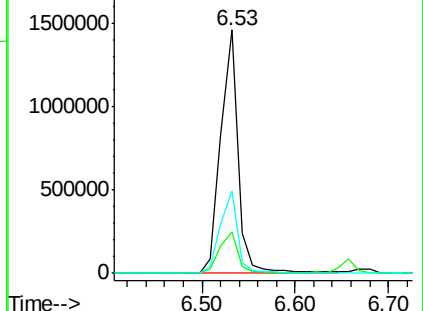
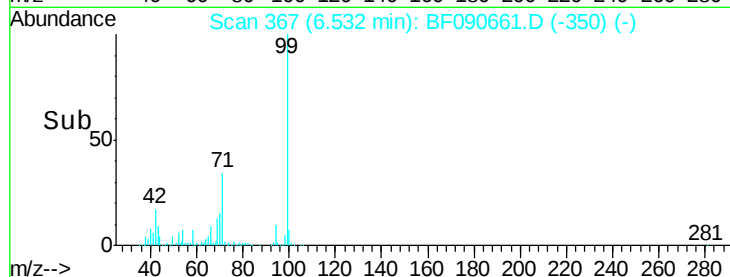
71 33.7 27.6 41.4



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 33.16 ng

RT: 6.68 min Scan# 380

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

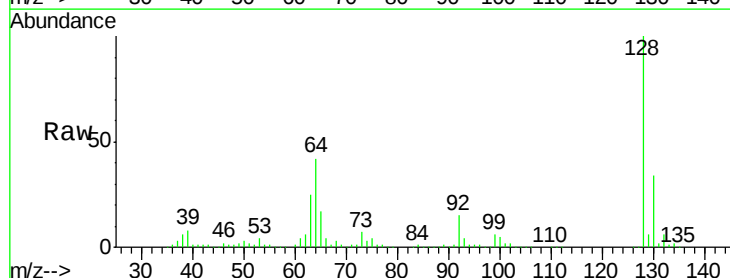
Tgt Ion: 128 Resp: 553469

Ion Ratio Lower Upper

128 100

130 34.0 12.6 52.6

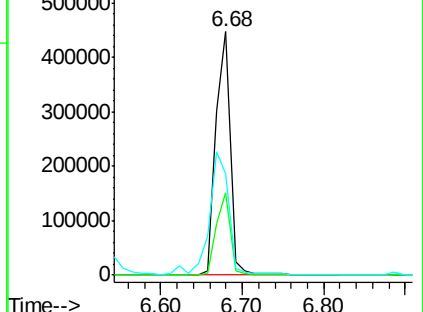
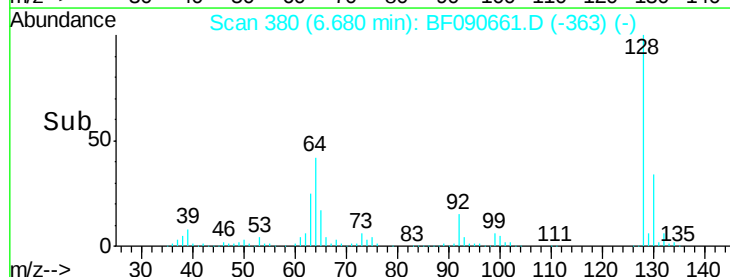
64 41.8 42.6 82.6#

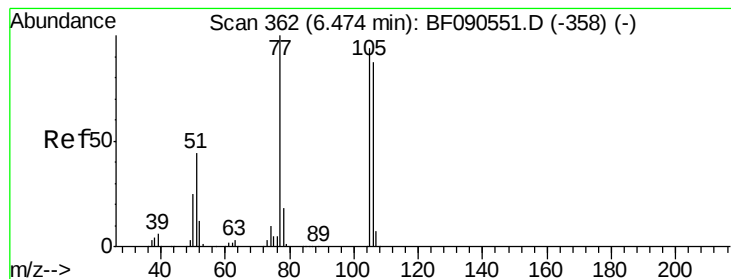


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 10.03 ng

RT: 6.43 min Scan# 358

Delta R.T. -0.01 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

ClientSampleId :

101816-03MSD

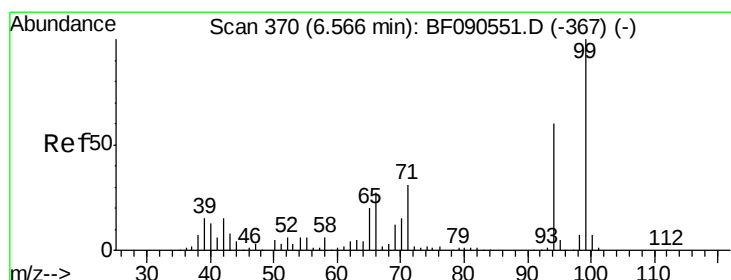
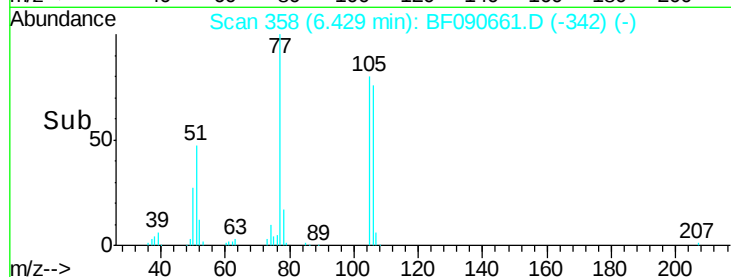
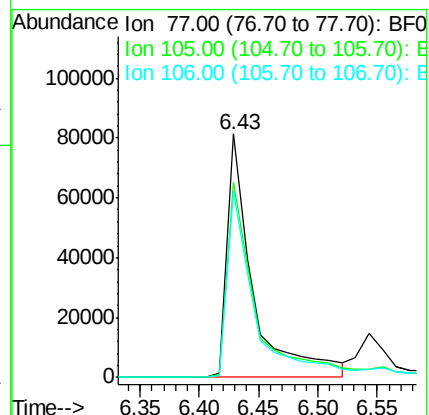
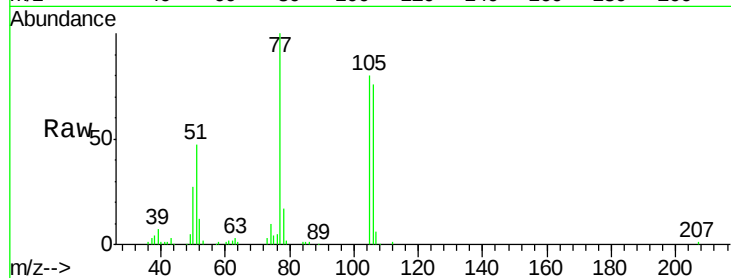
Tgt Ion: 77 Resp: 121927

Ion Ratio Lower Upper

77 100

105 80.2 74.3 114.3

106 76.5 67.2 107.2



#10

Phenol

Concen: 37.11 ng

RT: 6.54 min Scan# 368

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

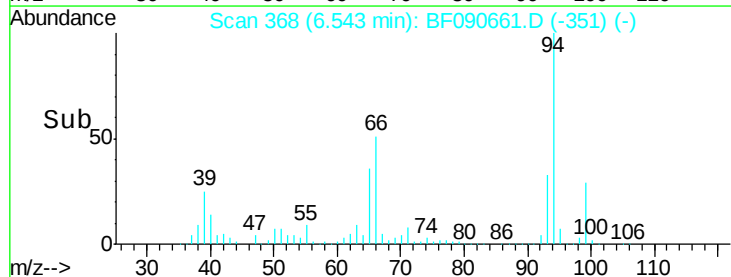
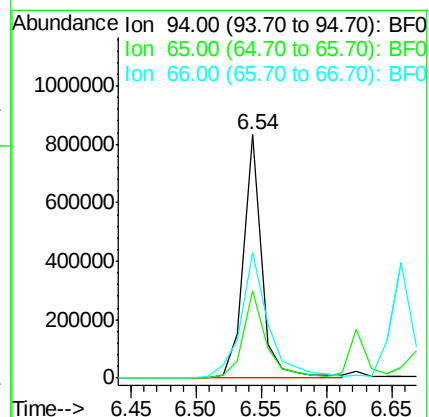
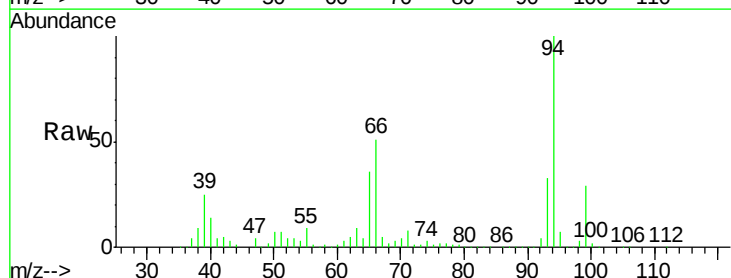
Tgt Ion: 94 Resp: 811802

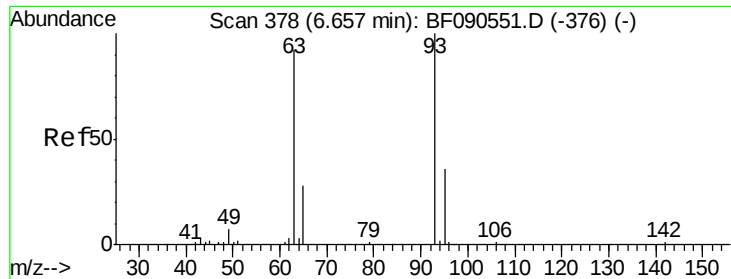
Ion Ratio Lower Upper

94 100

65 36.2 12.5 52.5

66 51.5 25.5 65.5

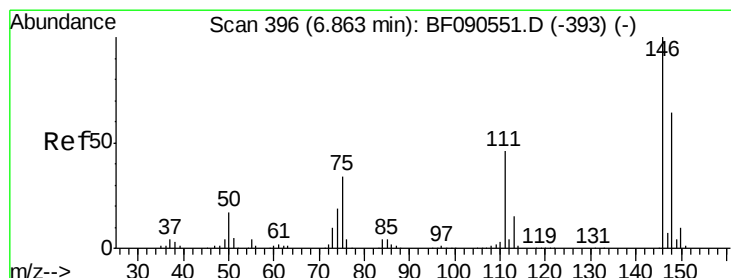
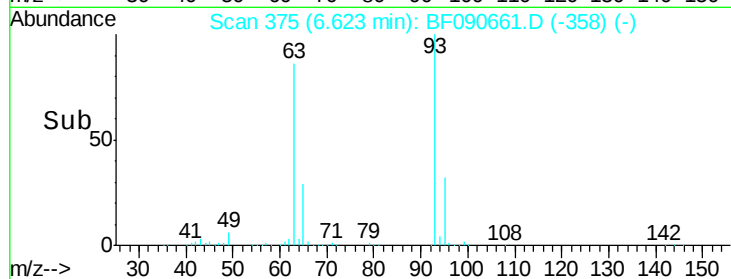
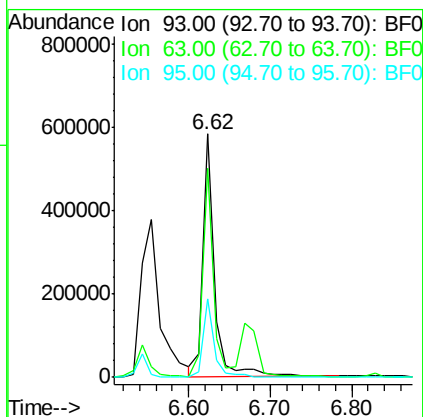
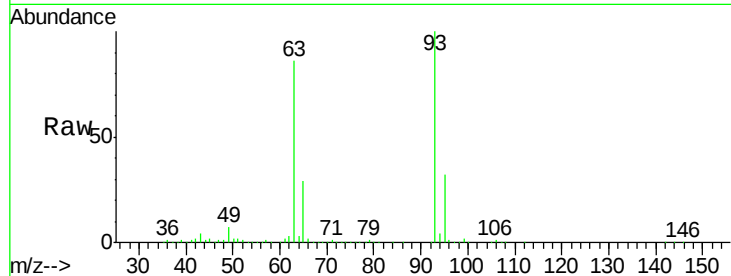




#11
bis(2-Chloroethyl)ether
Concen: 33.19 ng
RT: 6.62 min Scan# 375
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

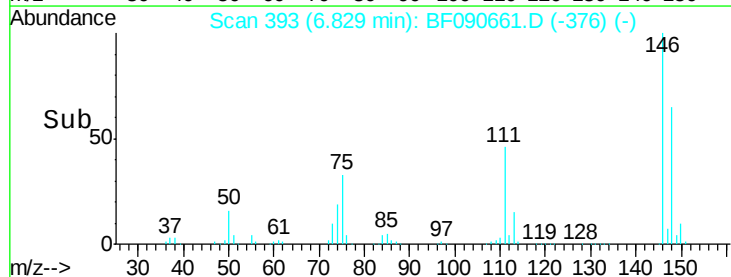
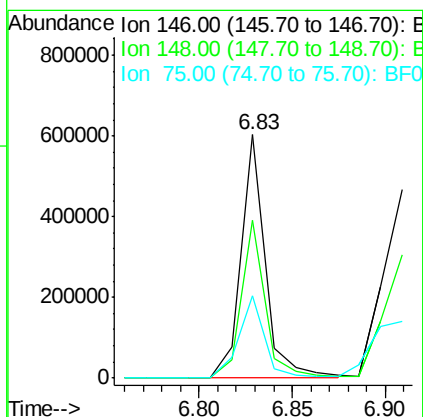
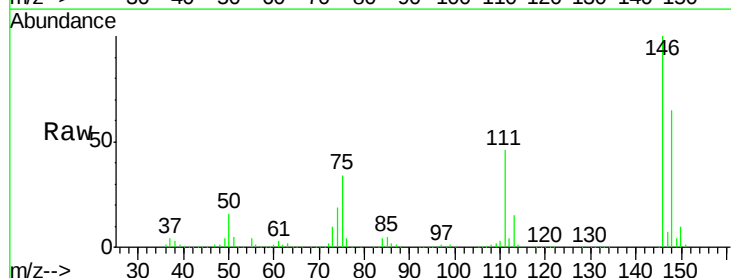
Instrument :
BNA_F
ClientSampleId :
101816-03MSD

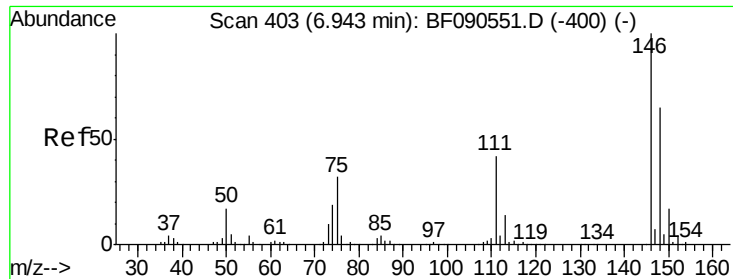
Tgt Ion: 93 Resp: 599096
Ion Ratio Lower Upper
93 100
63 86.1 61.6 101.6
95 32.0 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 32.90 ng
RT: 6.83 min Scan# 393
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Tgt Ion: 146 Resp: 547644
Ion Ratio Lower Upper
146 100
148 64.6 51.4 77.2
75 33.6 27.0 40.6

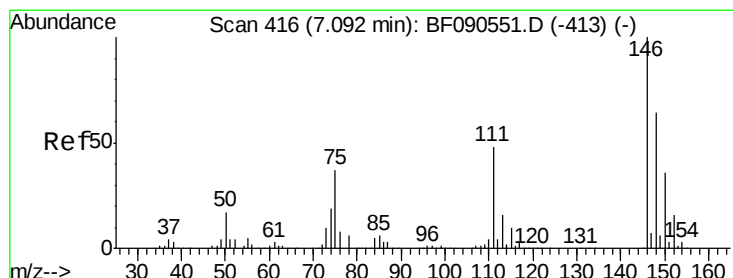
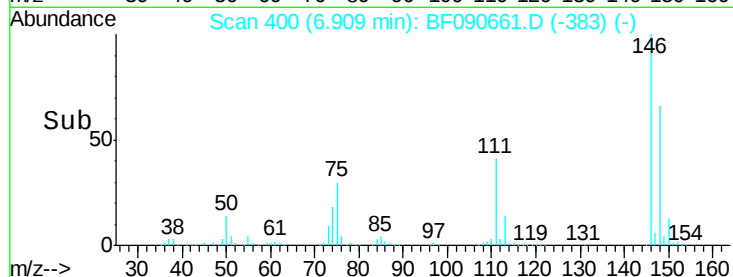
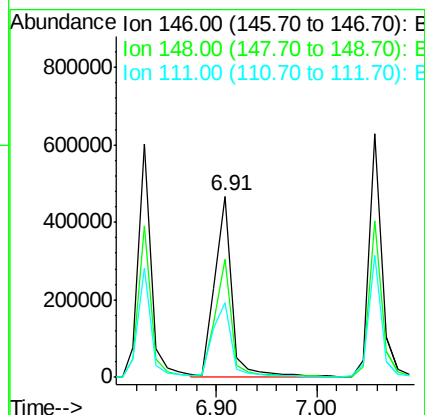
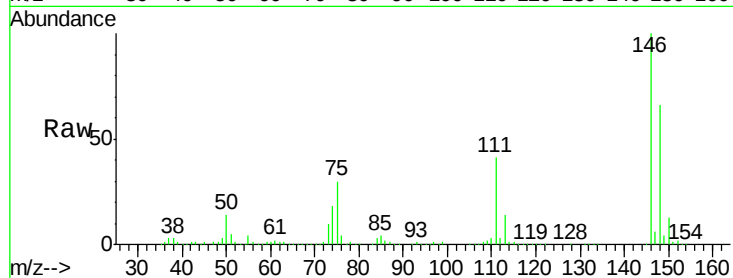




#13
 1,4-Dichlorobenzene
 Concen: 30.25 ng
 RT: 6.91 min Scan# 400
 Delta R.T. -0.00 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

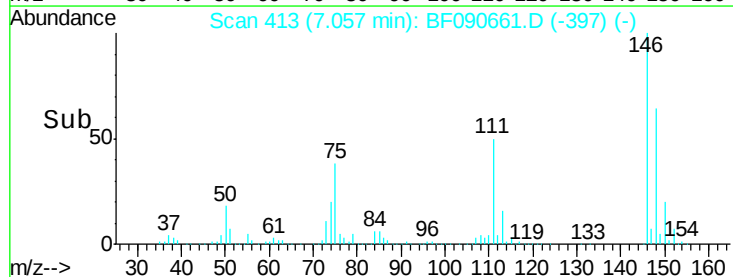
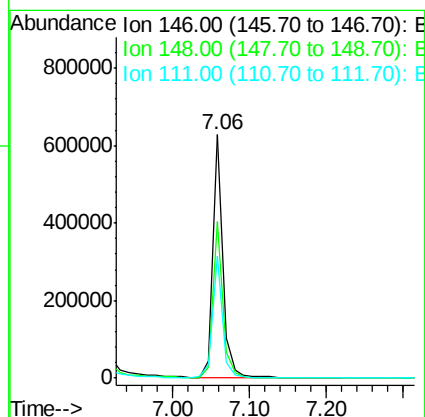
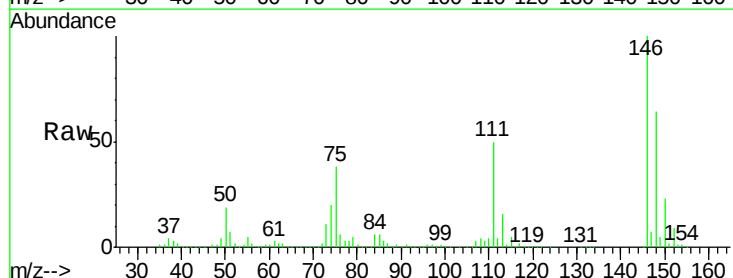
Instrument :
 BNA_F
 ClientSampleId :
 101816-03MSD

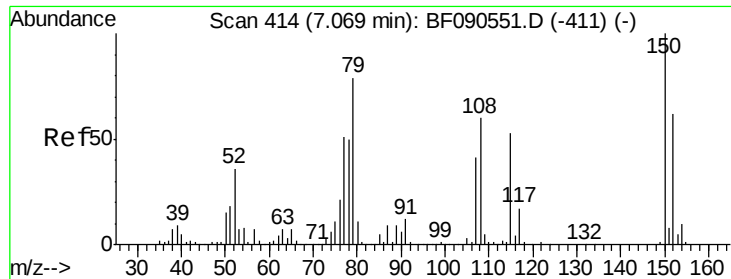
Tgt Ion:146 Resp: 547704
 Ion Ratio Lower Upper
 146 100
 148 65.5 51.9 77.9
 111 41.3 33.7 50.5



#14
 1,2-Dichlorobenzene
 Concen: 32.64 ng
 RT: 7.06 min Scan# 413
 Delta R.T. -0.01 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Tgt Ion:146 Resp: 552464
 Ion Ratio Lower Upper
 146 100
 148 64.2 51.2 76.8
 111 49.9 38.2 57.2

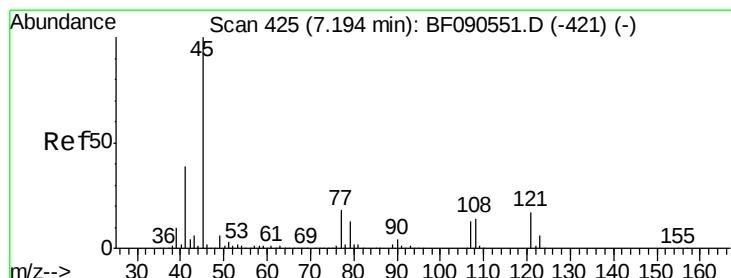
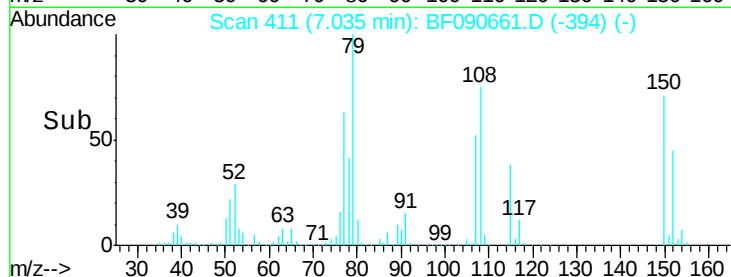
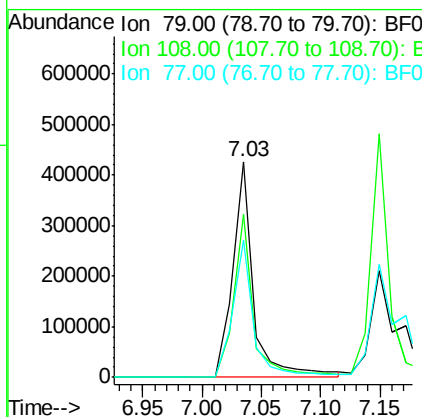
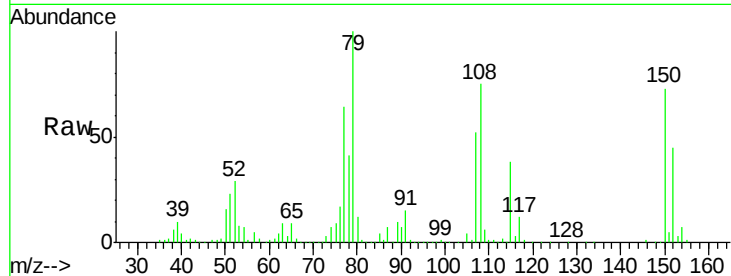




#15
Benzyl Alcohol
Concen: 39.46 ng
RT: 7.03 min Scan# 411
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

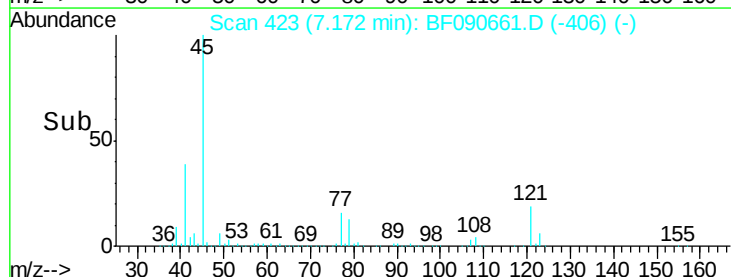
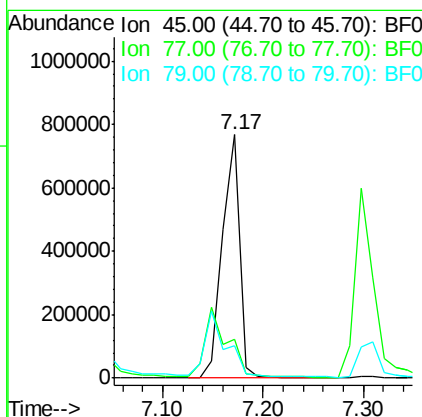
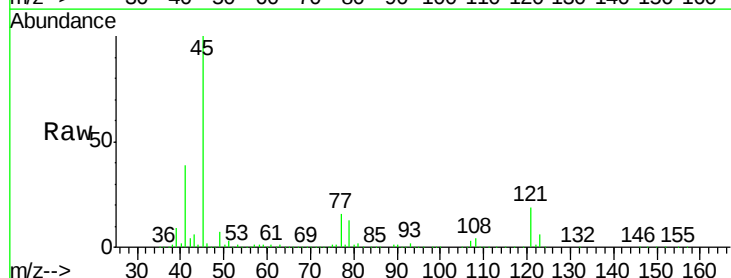
Instrument :
BNA_F
ClientSampleId :
101816-03MSD

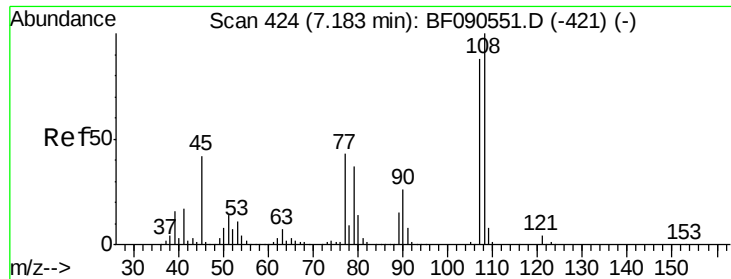
Tgt Ion: 79 Resp: 514121
Ion Ratio Lower Upper
79 100
108 75.5 60.2 90.4
77 63.6 52.0 78.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.09 ng
RT: 7.17 min Scan# 423
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Tgt Ion: 45 Resp: 916645
Ion Ratio Lower Upper
45 100
77 15.9 0.9 40.9
79 13.1 0.0 37.3

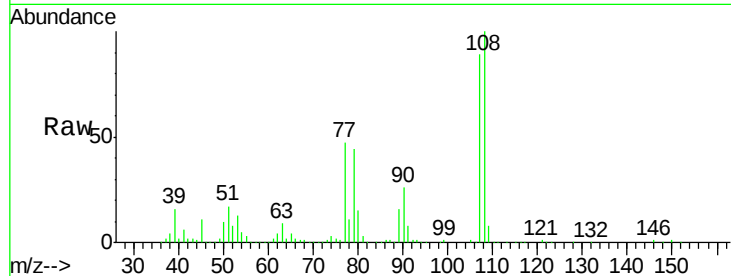




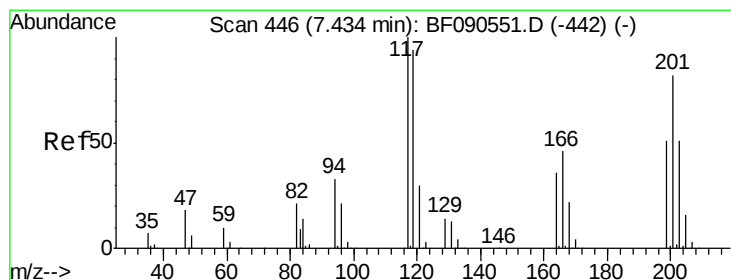
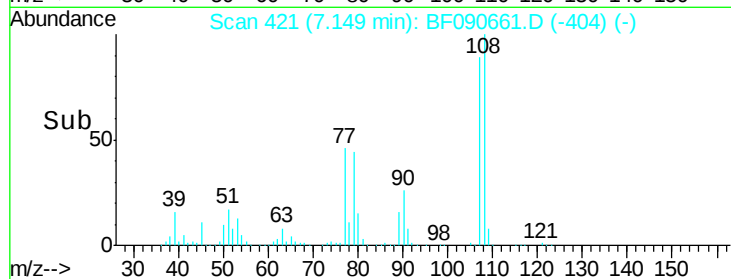
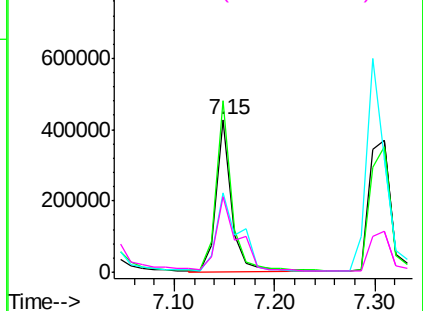
#17
2-Methylphenol
Concen: 35.00 ng
RT: 7.15 min Scan# 421
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Instrument :
BNA_F
ClientSampleId :
101816-03MSD

Tgt Ion:107 Resp: 455214
Ion Ratio Lower Upper
107 100
108 112.6 92.6 138.8
77 52.4 42.2 63.2
79 49.5 40.7 61.1

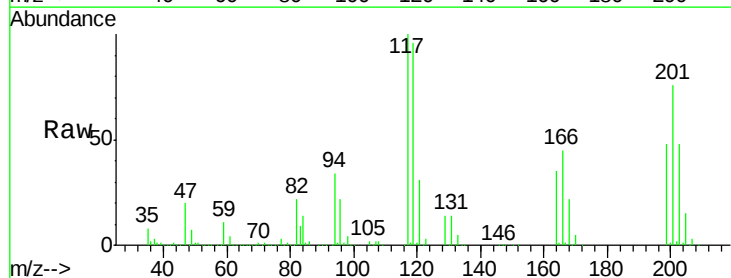


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

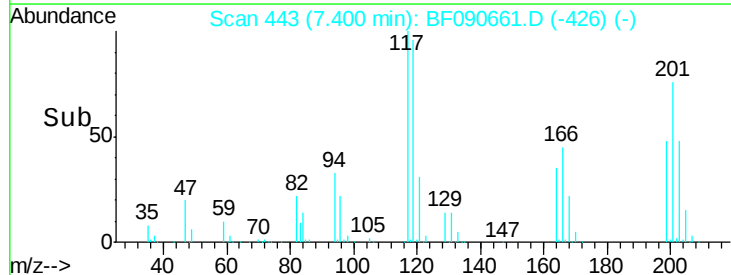
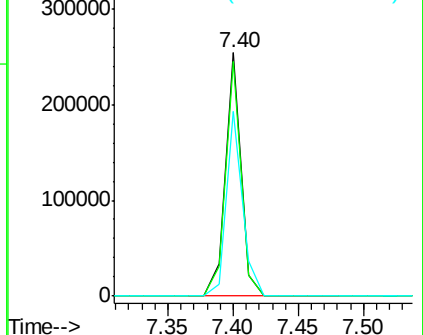


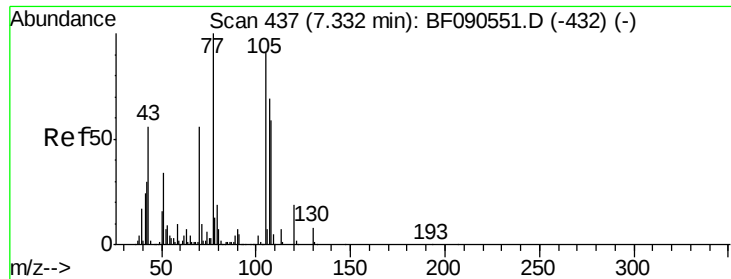
#18
Hexachloroethane
Concen: 29.73 ng
RT: 7.40 min Scan# 443
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Tgt Ion:117 Resp: 212667
Ion Ratio Lower Upper
117 100
119 96.2 75.6 113.4
201 76.1 65.4 98.0



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

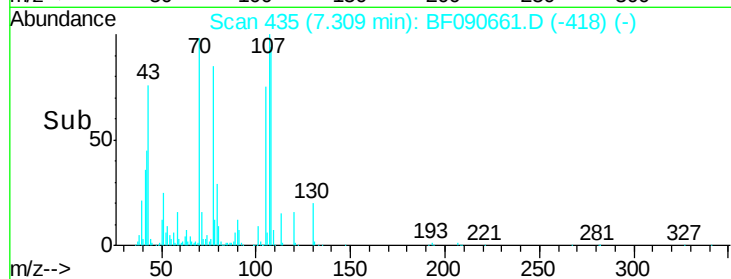
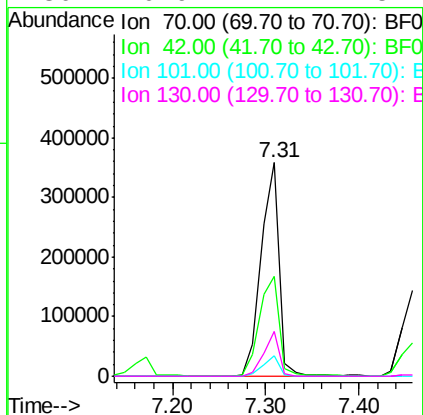
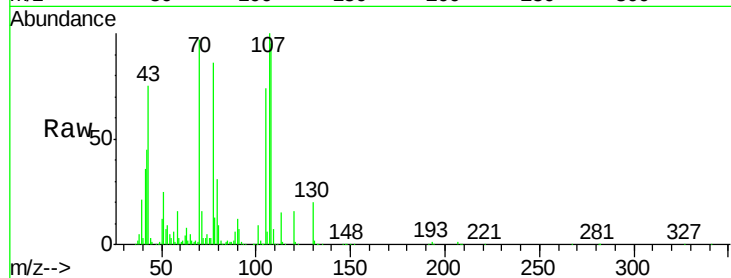




#19
n-Nitroso-di-n-propylamine
Concen: 37.03 ng
RT: 7.31 min Scan# 435
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

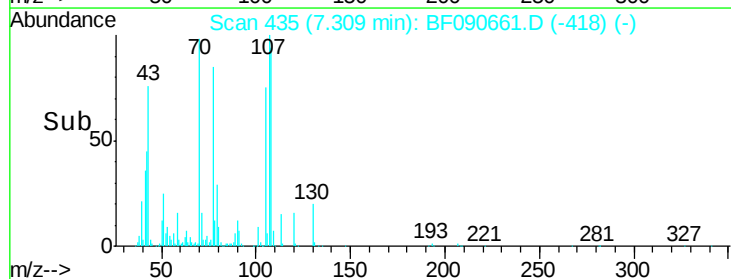
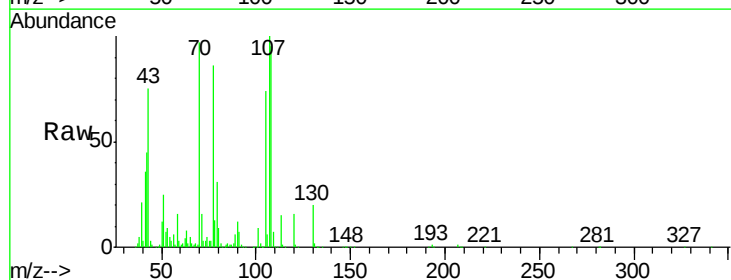
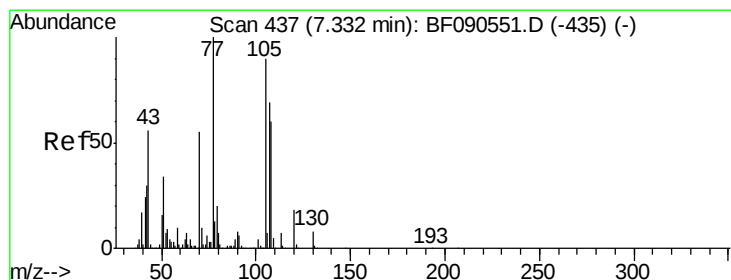
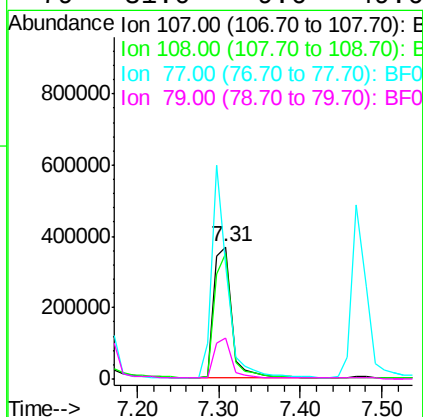
Instrument :
BNA_F
ClientSampleId :
101816-03MSD

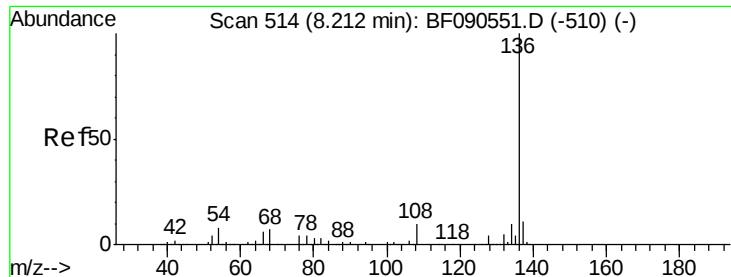
Tgt Ion: 70 Resp: 485671
Ion Ratio Lower Upper
70 100
42 46.7 43.4 65.0
101 9.3 6.4 9.6
130 20.9 12.1 18.1#



#20
3+4-Methylphenols
Concen: 35.93 ng
RT: 7.31 min Scan# 435
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Tgt Ion: 107 Resp: 566623
Ion Ratio Lower Upper
107 100
108 95.1 67.7 107.7
77 85.7 123.1 163.1#
79 31.0 9.6 49.6





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 511

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

ClientSampleId :

101816-03MSD

Tgt Ion:136 Resp: 1068759

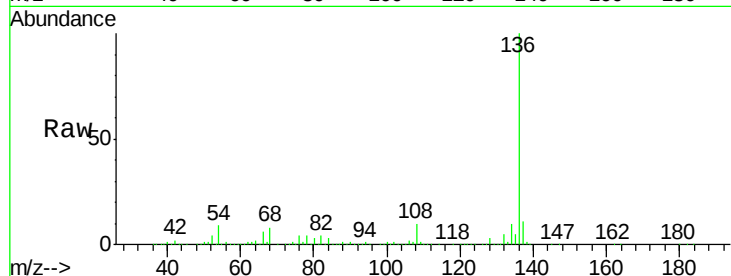
Ion Ratio Lower Upper

136 100

137 11.4 8.8 13.2

54 8.6 6.8 10.2

68 7.6 6.0 9.0

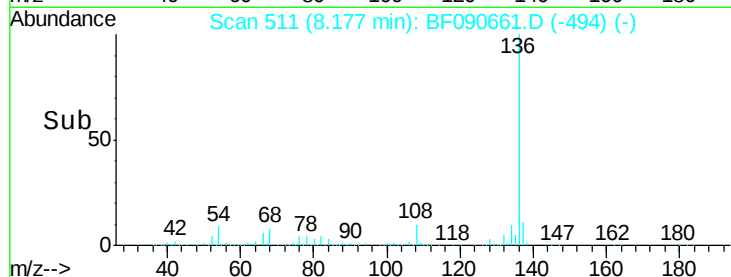


Abundance Ion 136.00 (135.70 to 136.70): E

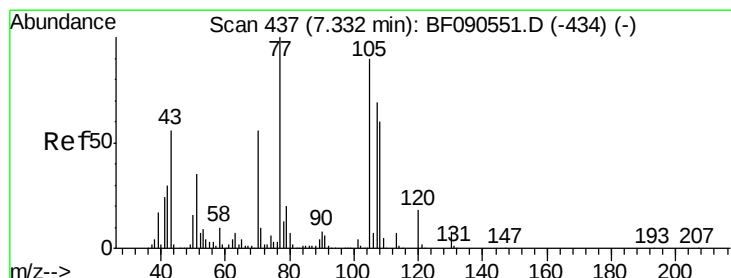
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 32.27 ng

RT: 7.30 min Scan# 434

Delta R.T. -0.01 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Tgt Ion:105 Resp: 761955

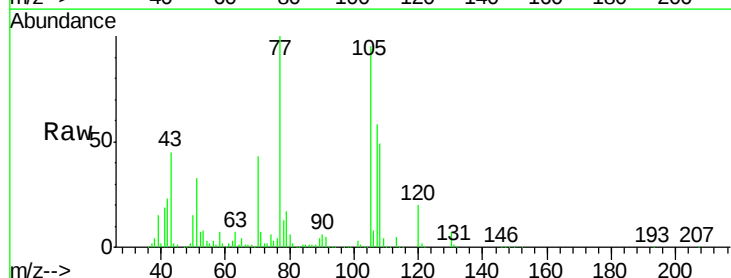
Ion Ratio Lower Upper

105 100

71 7.7 8.5 12.7#

51 34.8 31.0 46.4

120 21.0 16.2 24.4

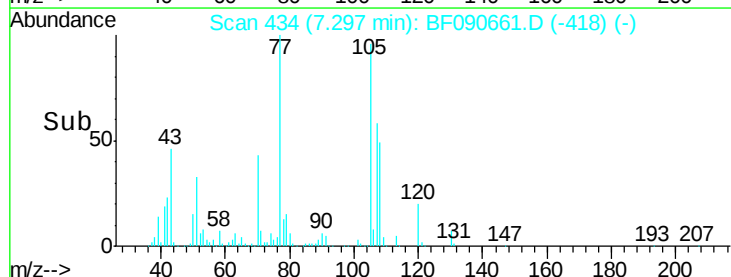


Abundance Ion 105.00 (104.70 to 105.70): E

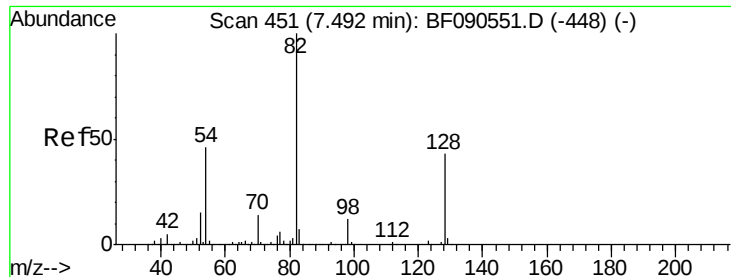
Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



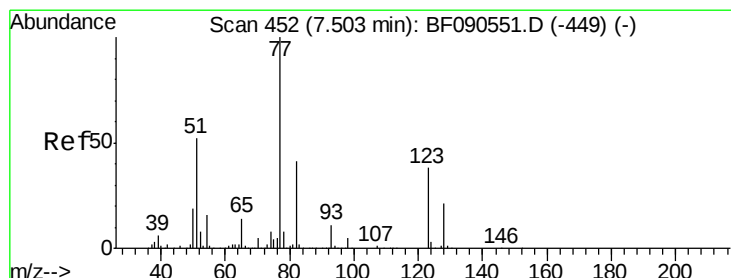
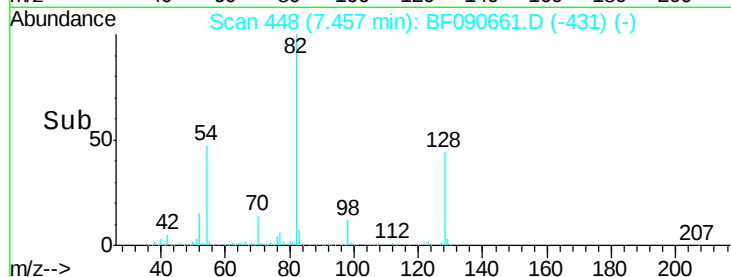
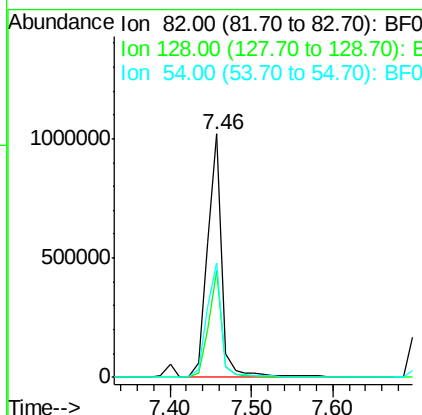
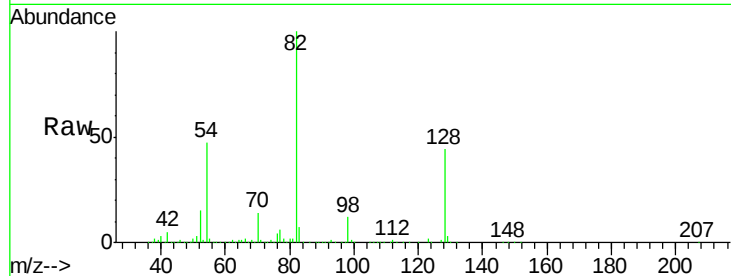
Time-->



#23
 Nitrobenzene-d5
 Concen: 66.66 ng
 RT: 7.46 min Scan# 448
 Delta R.T. -0.00 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

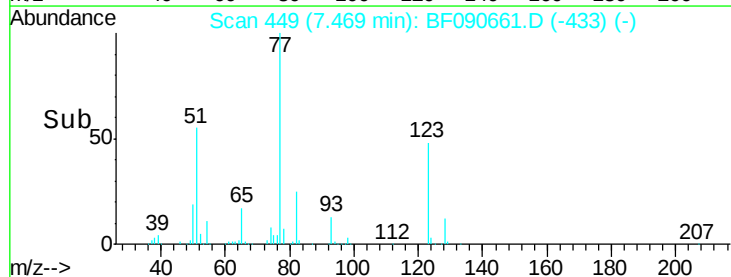
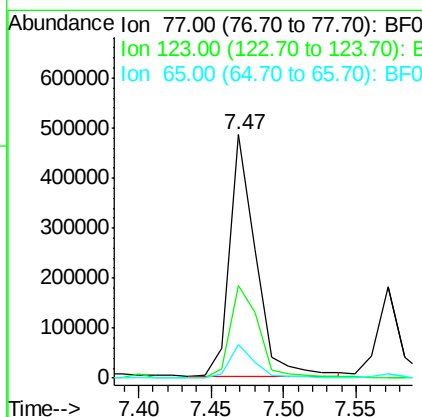
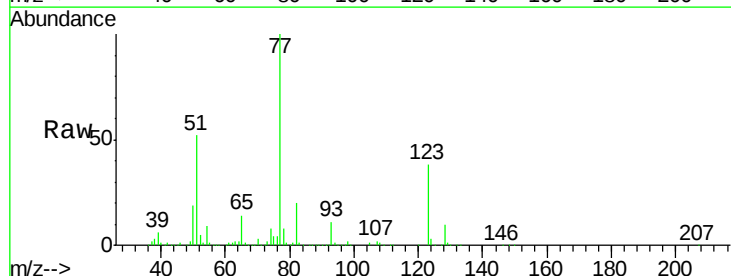
Instrument :
 BNA_F
 ClientSampleId :
 101816-03MSD

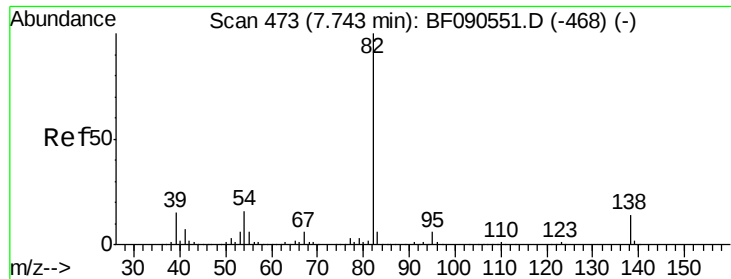
Tgt Ion: 82 Resp: 1282568
 Ion Ratio Lower Upper
 82 100
 128 43.6 34.3 51.5
 54 47.0 37.0 55.6



#24
 Nitrobenzene
 Concen: 30.40 ng
 RT: 7.47 min Scan# 449
 Delta R.T. -0.01 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Tgt Ion: 77 Resp: 600347
 Ion Ratio Lower Upper
 77 100
 123 38.0 29.8 44.6
 65 14.1 10.9 16.3

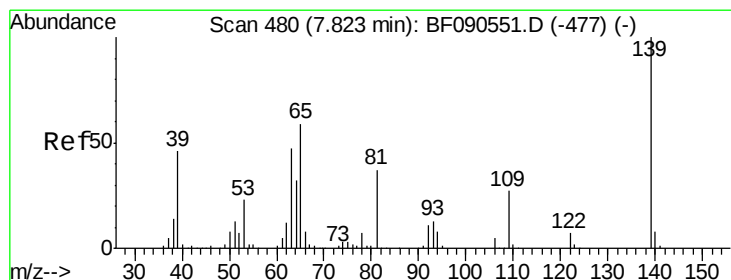
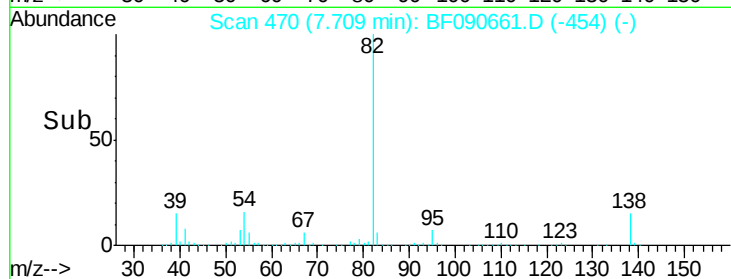
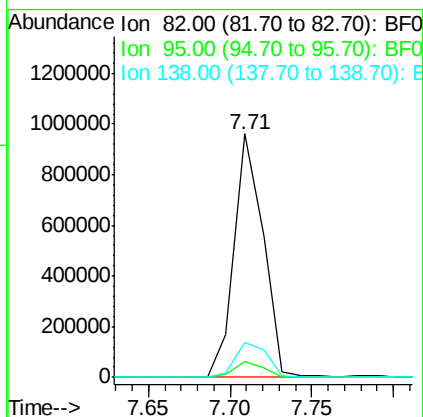
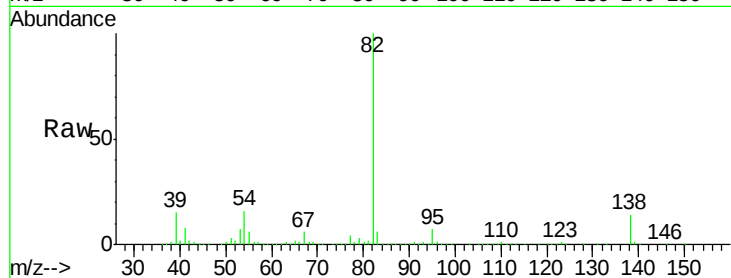




#25
Isophorone
Concen: 33.46 ng
RT: 7.71 min Scan# 470
Delta R.T. -0.01 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

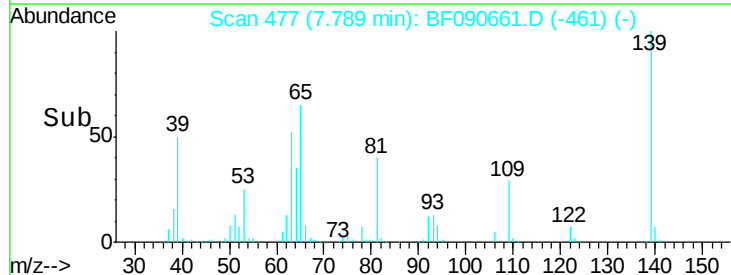
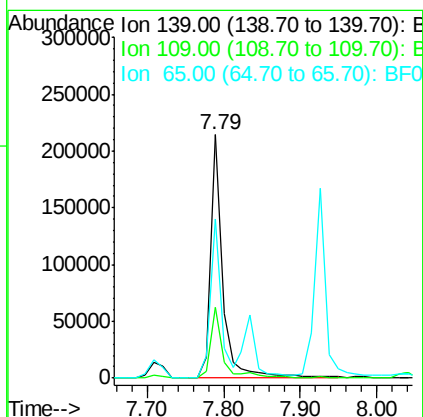
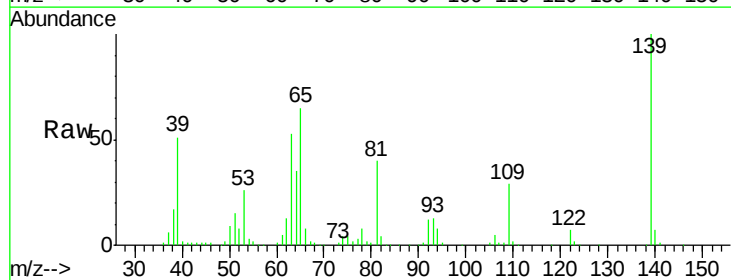
Instrument :
BNA_F
ClientSampleId :
101816-03MSD

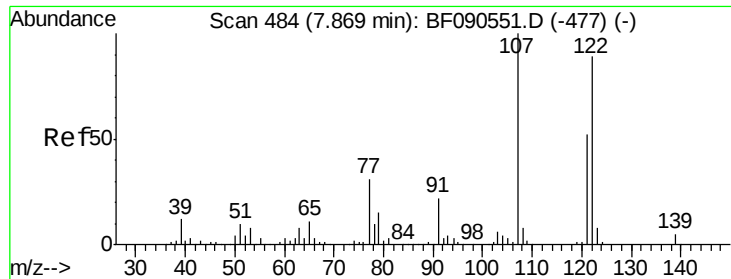
Tgt Ion: 82 Resp: 1171489
Ion Ratio Lower Upper
82 100
95 6.5 5.0 7.6
138 14.4 11.5 17.3



#26
2-Nitrophenol
Concen: 26.15 ng
RT: 7.79 min Scan# 477
Delta R.T. -0.01 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Tgt Ion: 139 Resp: 234286
Ion Ratio Lower Upper
139 100
109 29.0 21.8 32.6
65 65.3 47.7 71.5





#27

2,4-Dimethylphenol

Concen: 34.70 ng

RT: 7.83 min Scan# 481

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

ClientSampleId :

101816-03MSD

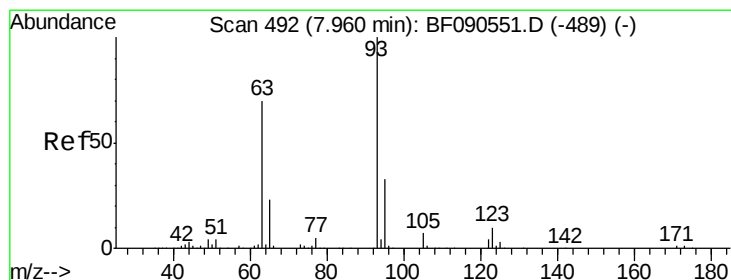
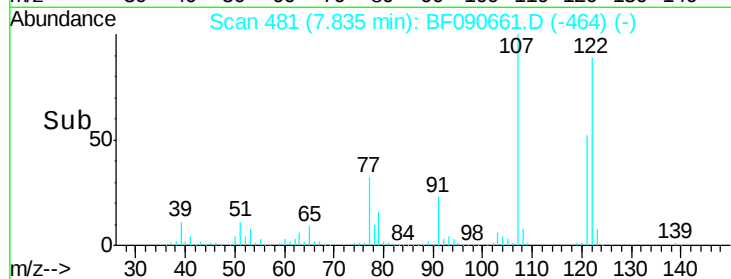
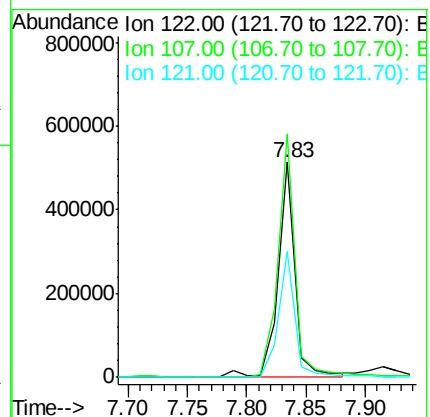
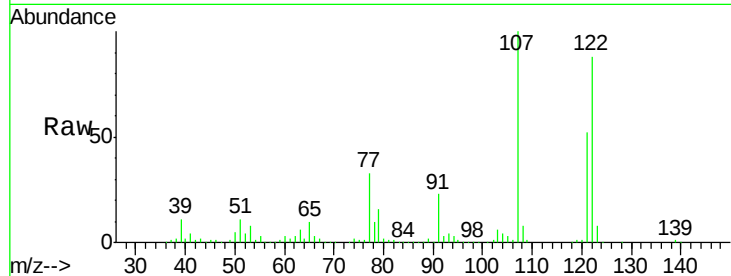
Tgt Ion: 122 Resp: 515741

Ion Ratio Lower Upper

122 100

107 113.1 89.8 134.6

121 58.5 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 34.61 ng

RT: 7.93 min Scan# 489

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

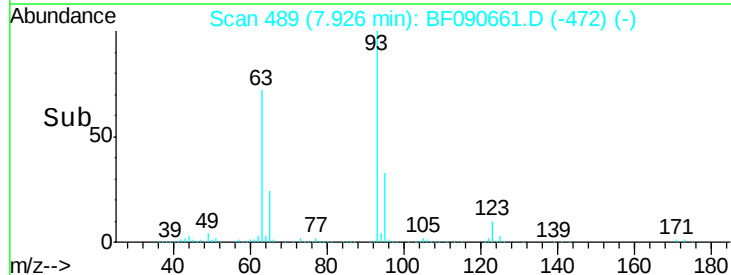
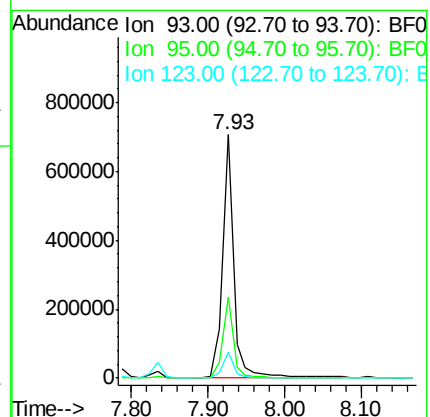
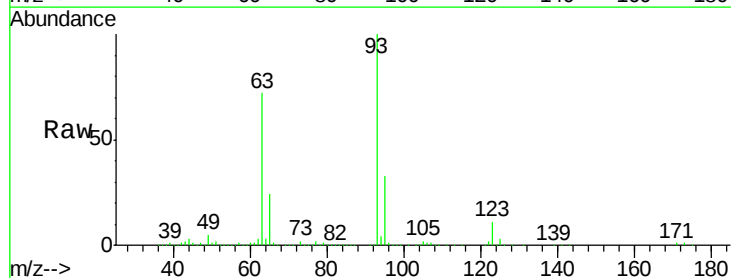
Tgt Ion: 93 Resp: 715602

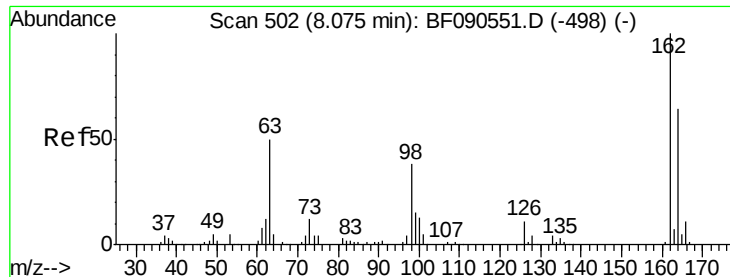
Ion Ratio Lower Upper

93 100

95 33.3 26.2 39.2

123 10.5 8.6 13.0

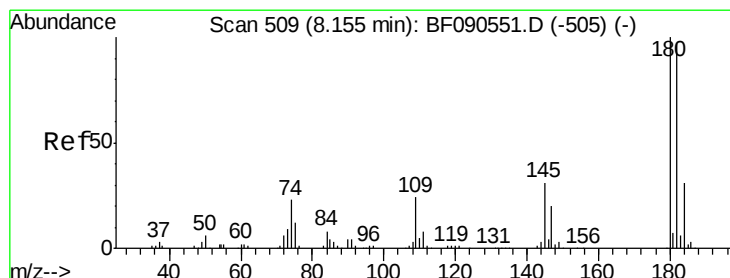
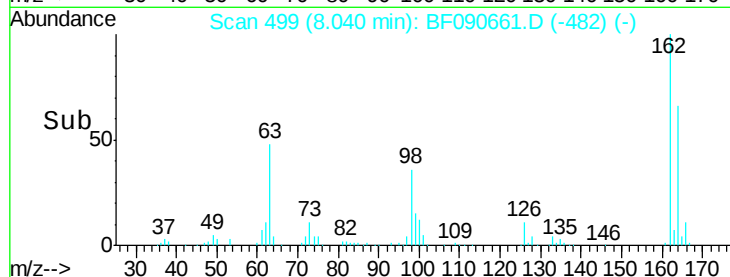
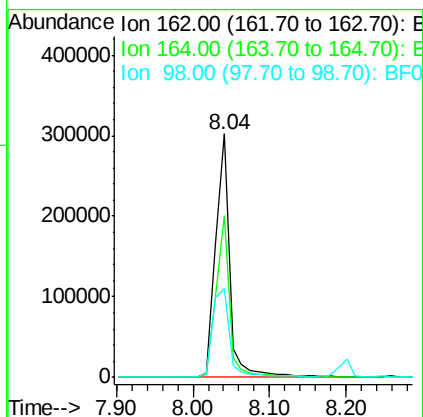
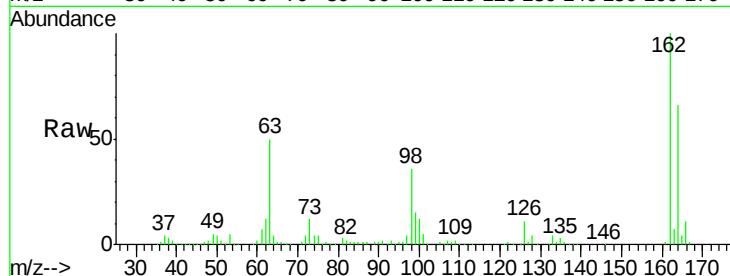




#29
2,4-Dichlorophenol
Concen: 29.73 ng
RT: 8.04 min Scan# 499
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

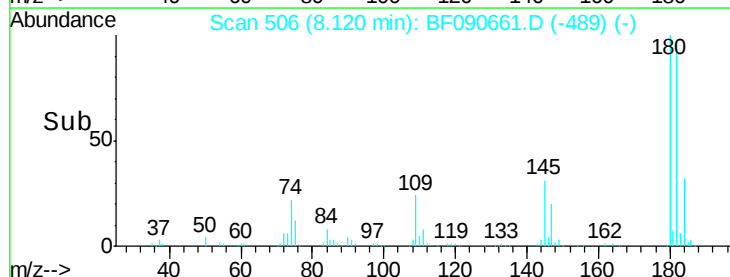
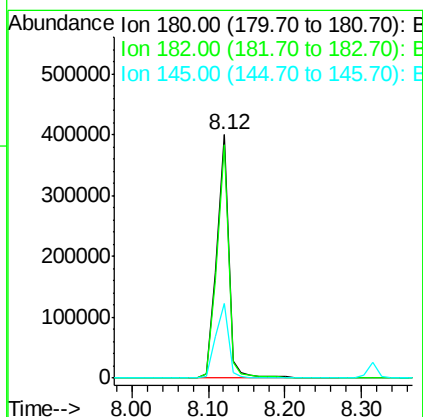
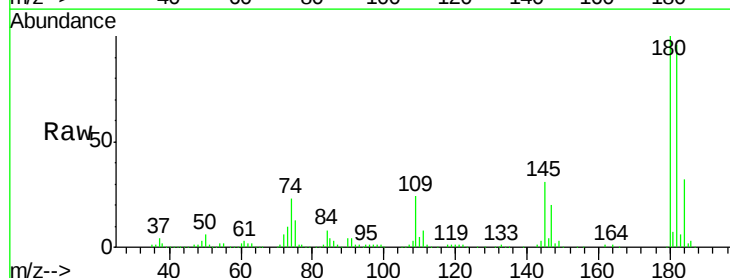
Instrument :
BNA_F
ClientSampleId :
101816-03MSD

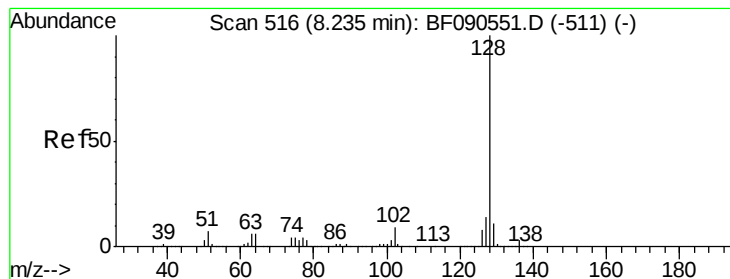
Tgt Ion:162 Resp: 387033
Ion Ratio Lower Upper
162 100
164 66.3 44.0 84.0
98 36.4 18.0 58.0



#30
1,2,4-Trichlorobenzene
Concen: 28.54 ng
RT: 8.12 min Scan# 506
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Tgt Ion:180 Resp: 435233
Ion Ratio Lower Upper
180 100
182 95.7 77.2 115.8
145 30.8 24.4 36.6





#31

Naphthalene

Concen: 30.06 ng

RT: 8.20 min Scan# 513

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

ClientSampleId :

101816-03MSD

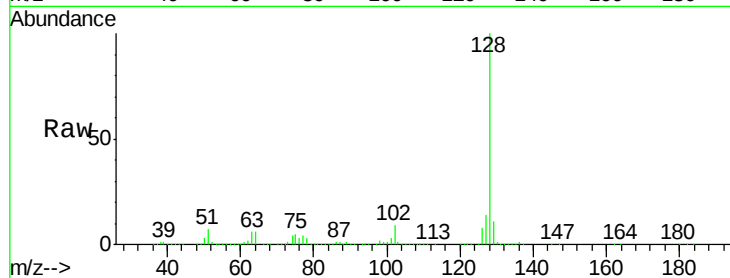
Tgt Ion:128 Resp: 1636406

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.6

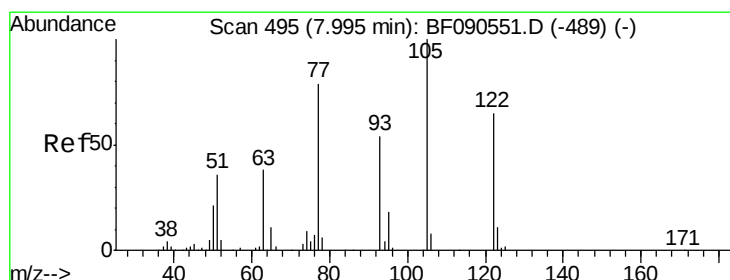
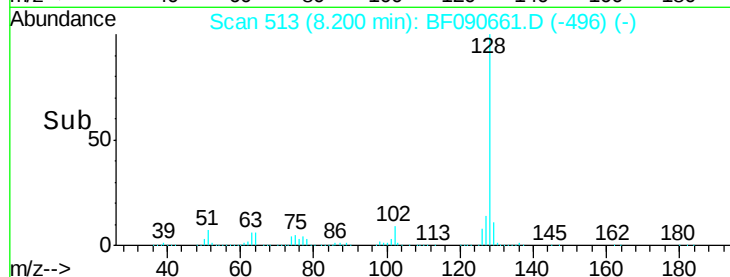
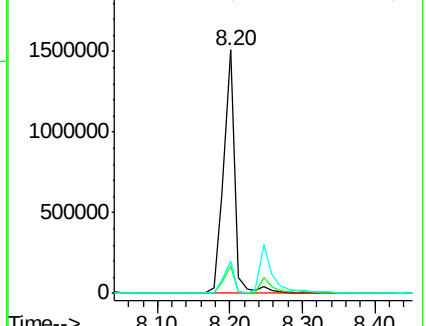
127 13.6 10.8 16.2



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: 7.17 ng

RT: 7.91 min Scan# 488

Delta R.T. -0.07 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

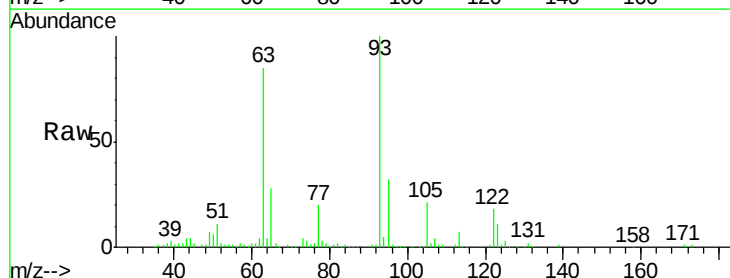
Tgt Ion:122 Resp: 65419

Ion Ratio Lower Upper

122 100

105 118.1 101.1 141.1

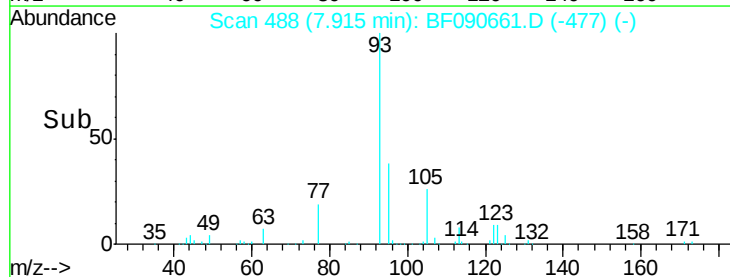
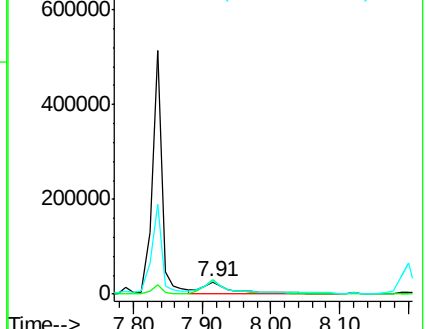
77 108.2 84.7 124.7

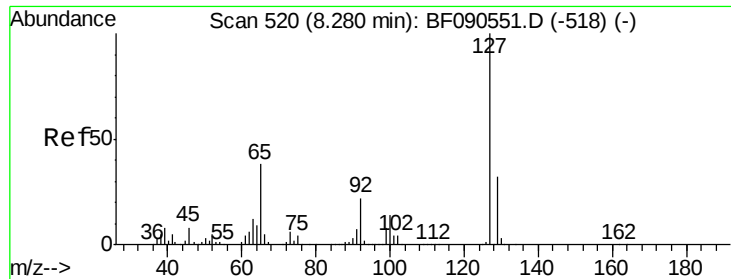


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

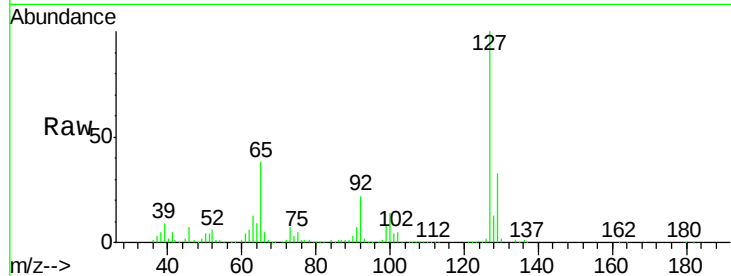




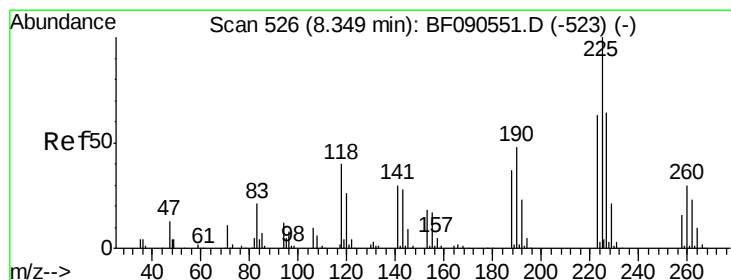
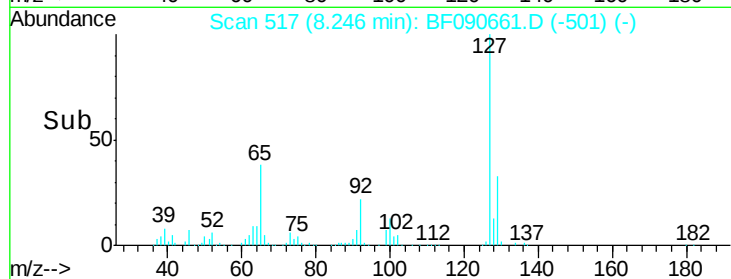
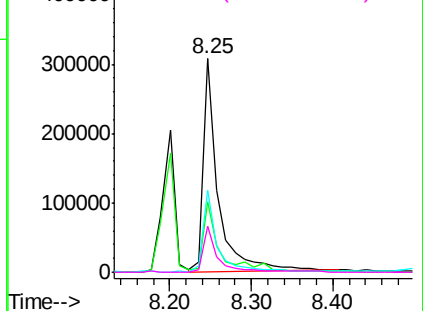
#33
4-Chloroaniline
Concen: 18.86 ng
RT: 8.25 min Scan# 517
Delta R.T. -0.01 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Instrument :
BNA_F
ClientSampleId :
101816-03MSD

Tgt Ion:	127	Resp:	392444
Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.2	39.2
65	38.4	30.1	45.1
92	21.6	17.2	25.8

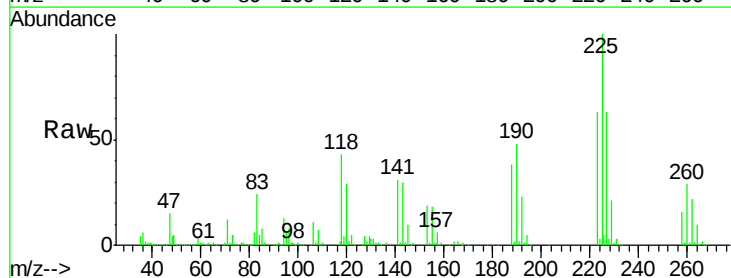


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

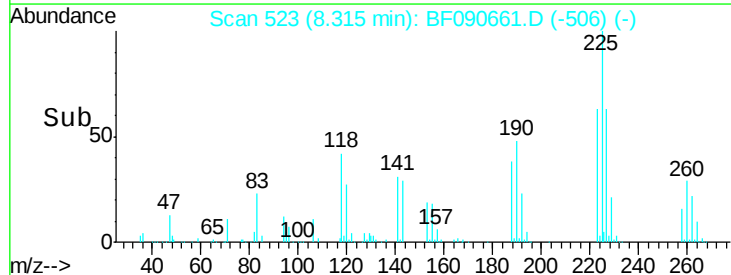
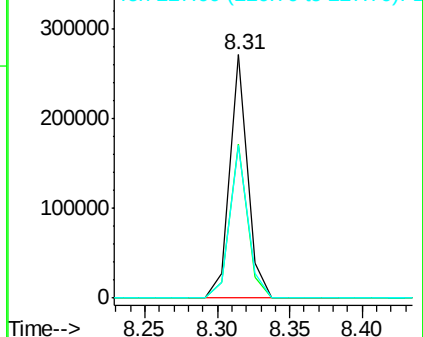


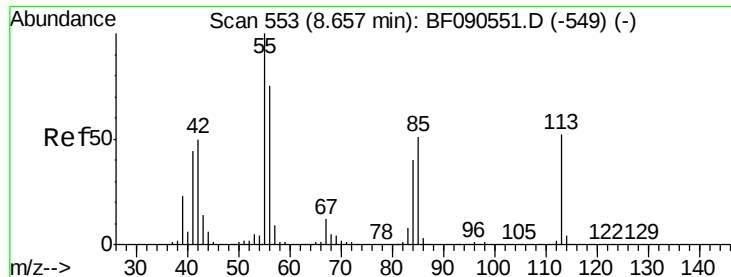
#34
Hexachlorobutadiene
Concen: 27.27 ng
RT: 8.31 min Scan# 523
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Tgt Ion:	225	Resp:	232364
Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.6	76.0
227	62.5	51.4	77.2



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





#35

Caprolactam

Concen: 35.22 ng

RT: 8.61 min Scan# 549

Delta R.T. -0.02 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

ClientSampleId :

101816-03MSD

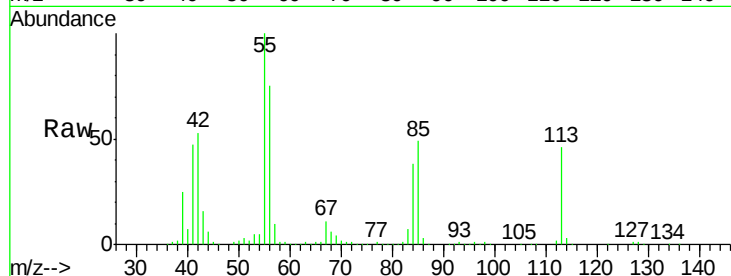
Tgt Ion:113 Resp: 127985

Ion Ratio Lower Upper

113 100

55 215.9 170.8 210.8#

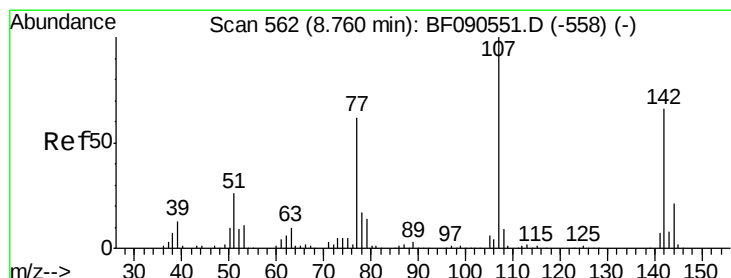
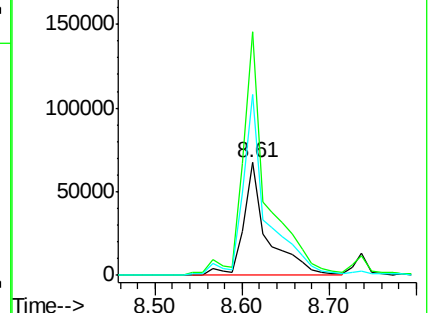
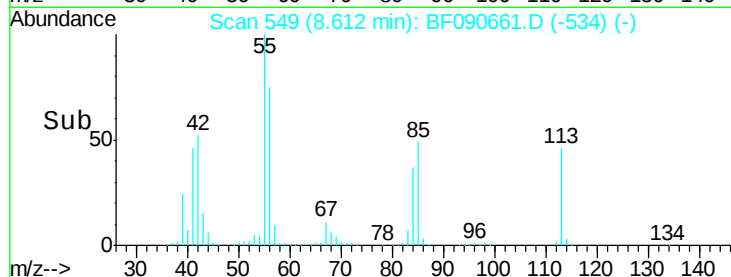
56 160.9 122.4 162.4



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 32.55 ng

RT: 8.74 min Scan# 560

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

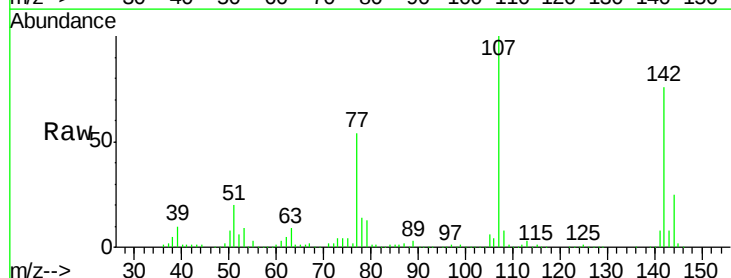
Tgt Ion:107 Resp: 488980

Ion Ratio Lower Upper

107 100

144 24.7 16.9 25.3

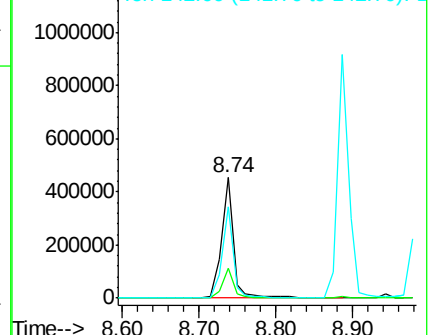
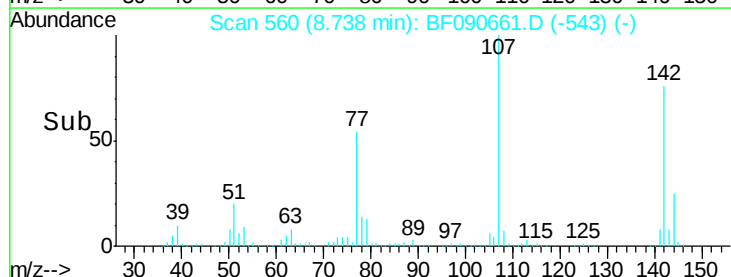
142 76.3 52.5 78.7

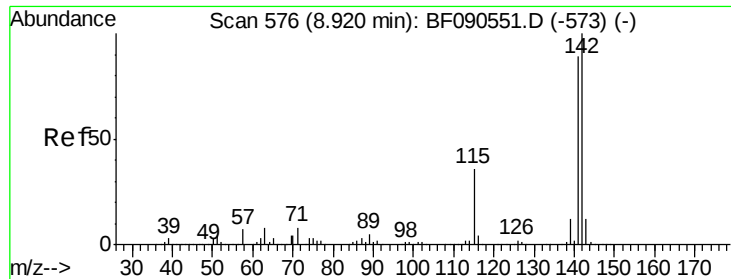


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

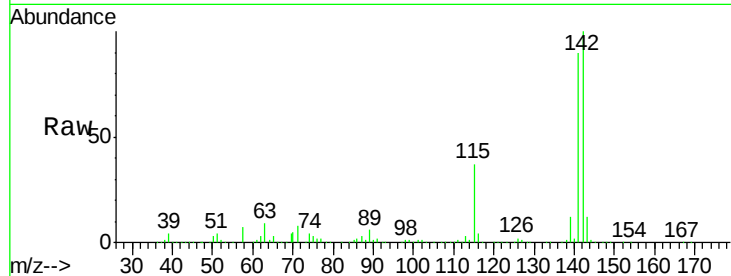




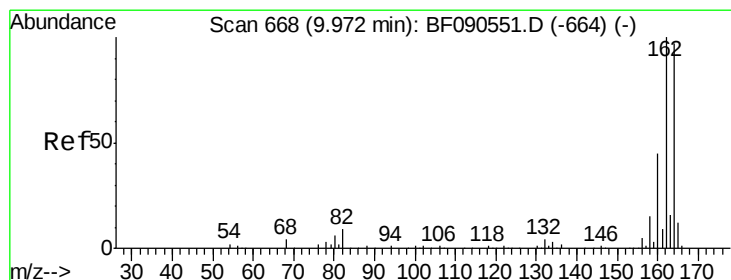
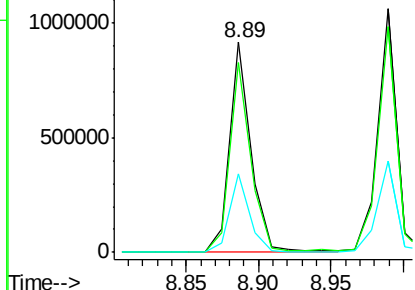
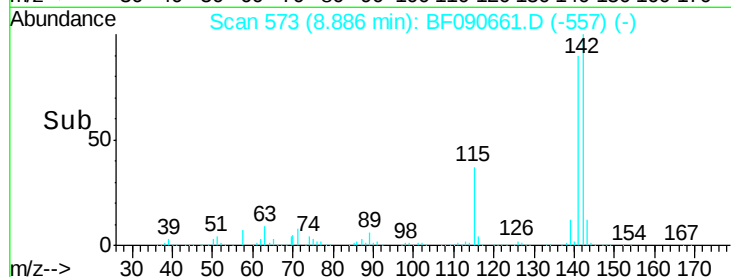
#37
 2-Methylnaphthalene
 Concen: 29.11 ng
 RT: 8.89 min Scan# 573
 Delta R.T. -0.01 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Instrument :
 BNA_F
 ClientSampleId :
 101816-03MSD

Tgt Ion:142 Resp: 930636
 Ion Ratio Lower Upper
 142 100
 141 90.4 71.3 106.9
 115 37.4 28.8 43.2

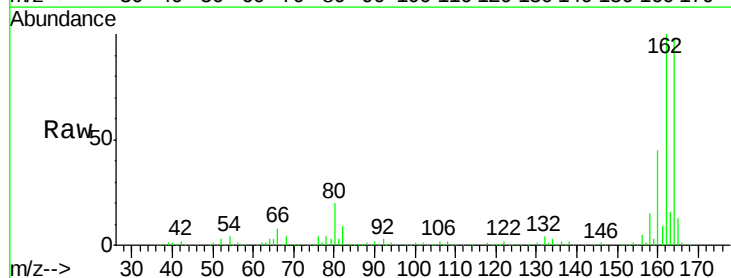


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

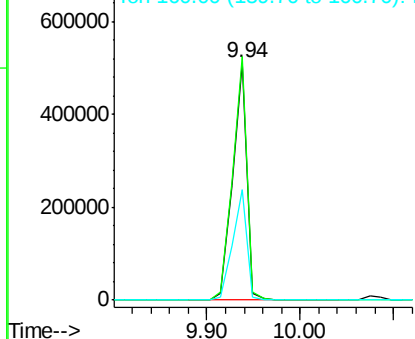
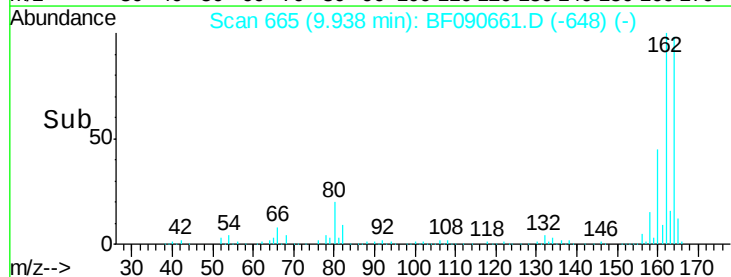


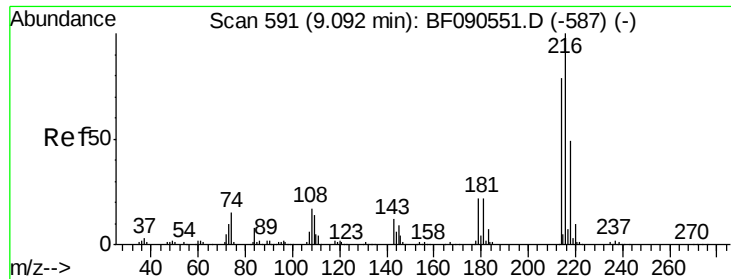
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.94 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Tgt Ion:164 Resp: 549288
 Ion Ratio Lower Upper
 164 100
 162 102.4 82.2 123.4
 160 46.4 36.6 55.0



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

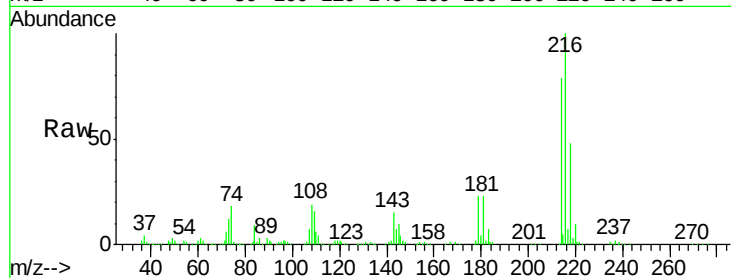




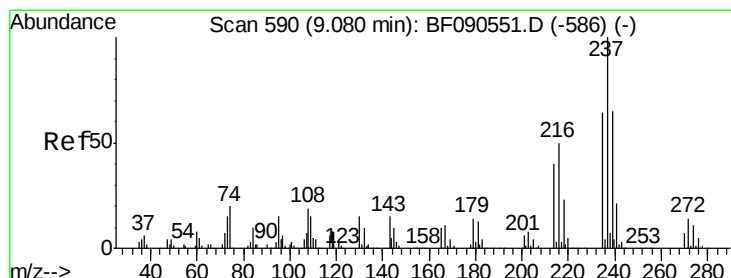
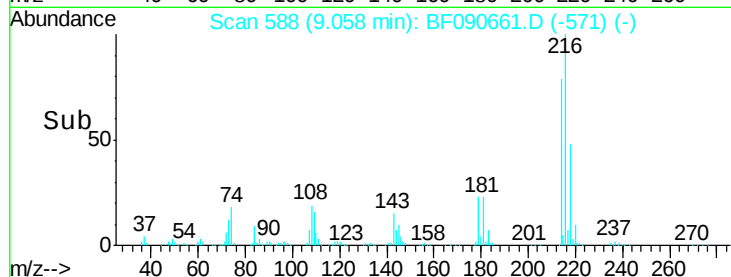
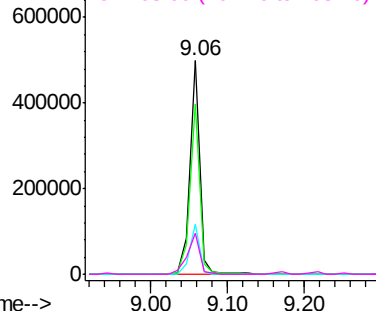
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 30.27 ng
 RT: 9.06 min Scan# 588
 Delta R.T. -0.00 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Instrument :
 BNA_F
 ClientSampleId :
 101816-03MSD

Tgt Ion:	216	Resp:	440814
Ion	Ratio	Lower	Upper
216	100		
214	79.6	63.5	95.3
179	23.7	18.9	28.3
108	22.8	17.8	26.6

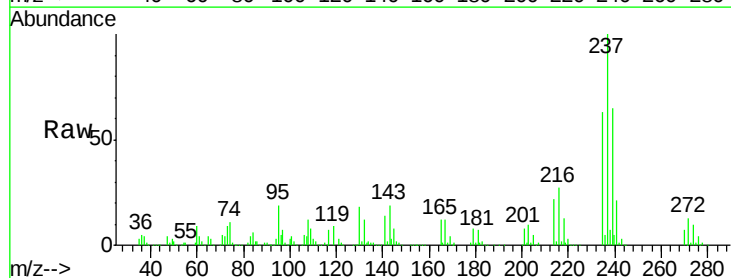


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

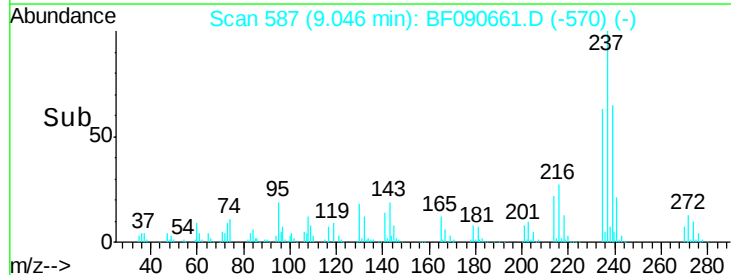
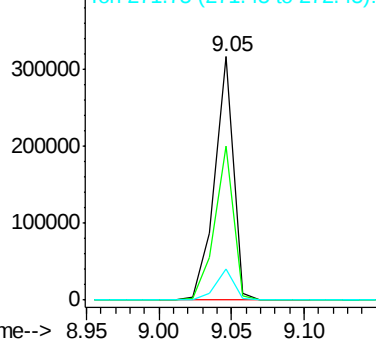


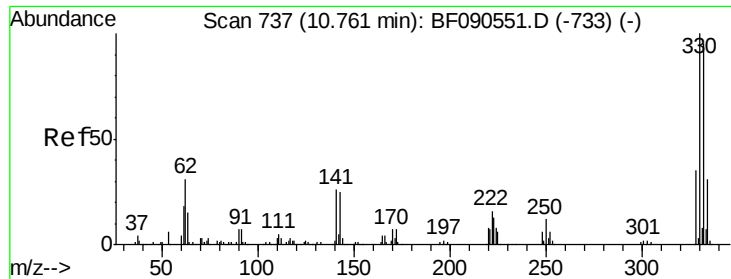
#40
 Hexachlorocyclopentadiene
 Concen: 40.02 ng
 RT: 9.05 min Scan# 587
 Delta R.T. -0.00 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Tgt Ion:	237	Resp:	284721
Ion	Ratio	Lower	Upper
237	100		
235	63.1	43.8	83.8
272	12.9	0.0	33.7



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

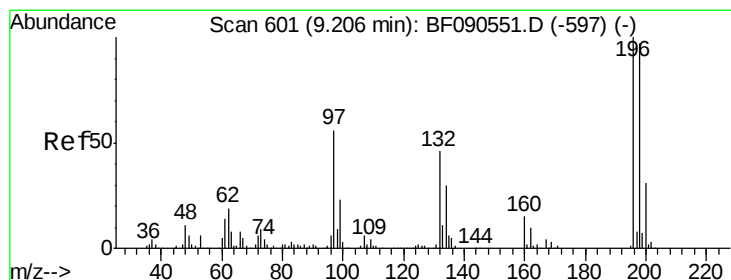
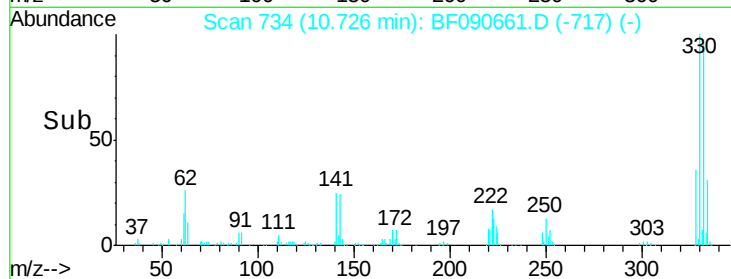
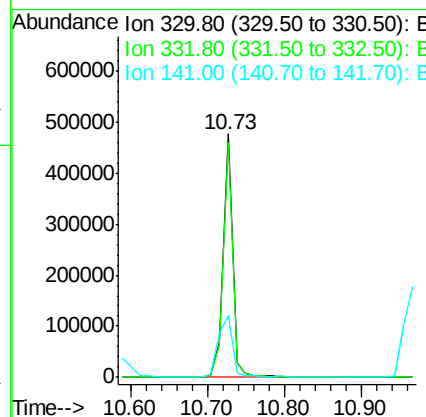
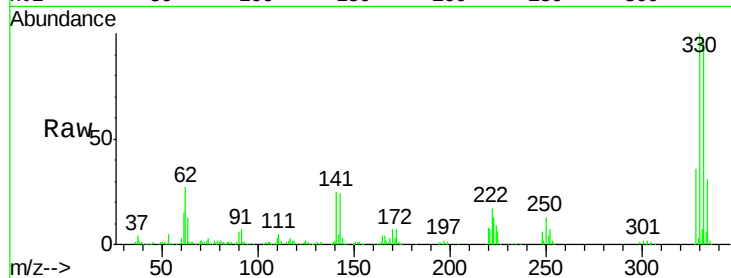




#41
 2,4,6-Tribromophenol
 Concen: 84.37 ng
 RT: 10.73 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

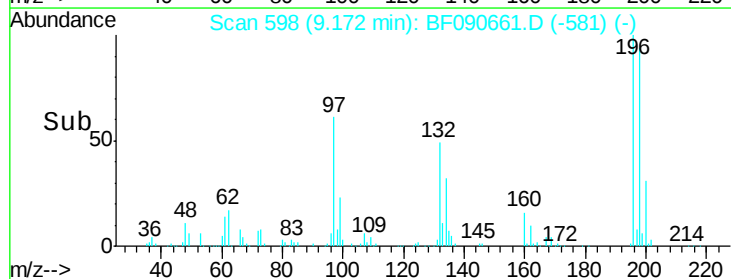
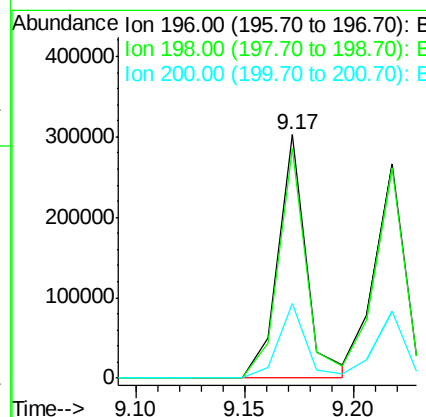
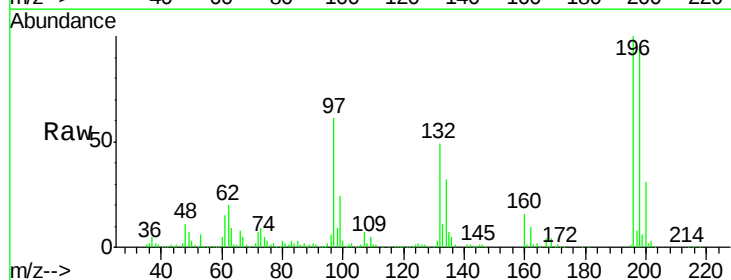
Instrument :
 BNA_F
 ClientSampleId :
 101816-03MSD

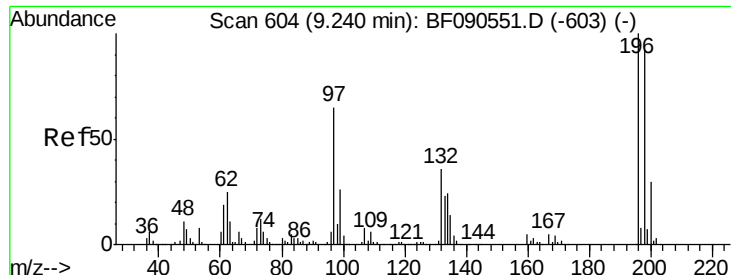
Tgt Ion:330 Resp: 413150
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.2 114.2
 141 36.8 31.4 47.2



#42
 2,4,6-Trichlorophenol
 Concen: 33.55 ng
 RT: 9.17 min Scan# 598
 Delta R.T. -0.00 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Tgt Ion:196 Resp: 275600
 Ion Ratio Lower Upper
 196 100
 198 94.0 77.9 116.9
 200 30.6 25.1 37.7

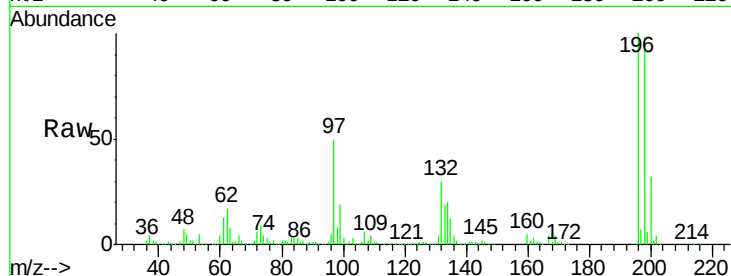




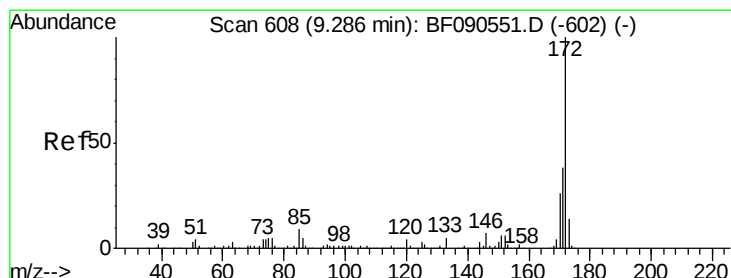
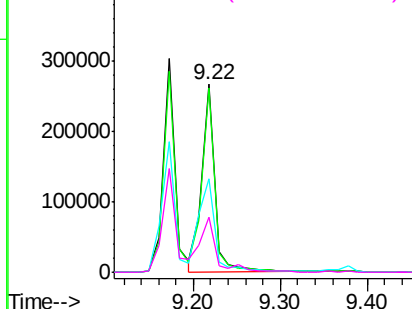
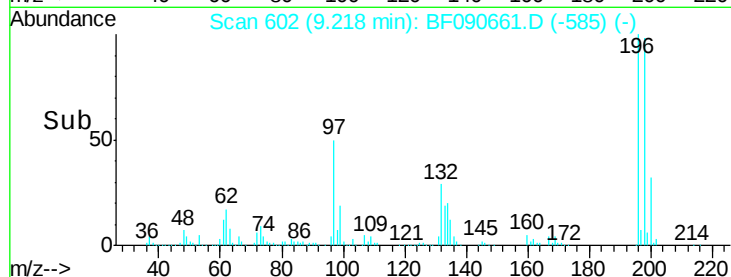
#43
 2,4,5-Trichlorophenol
 Concen: 27.99 ng
 RT: 9.22 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Instrument :
 BNA_F
 ClientSampleId :
 101816-03MSD

Tgt Ion:196 Resp: 274295
 Ion Ratio Lower Upper
 196 100
 198 98.1 74.0 111.0
 97 50.0 54.7 82.1#
 132 29.6 30.5 45.7#

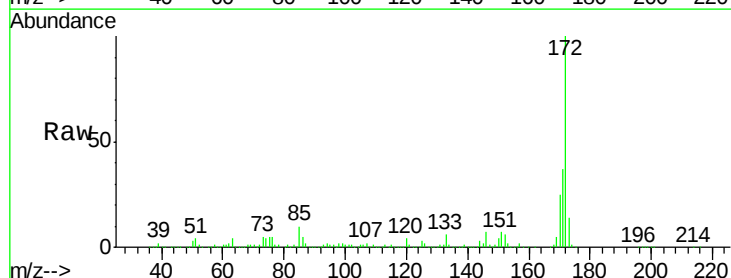


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

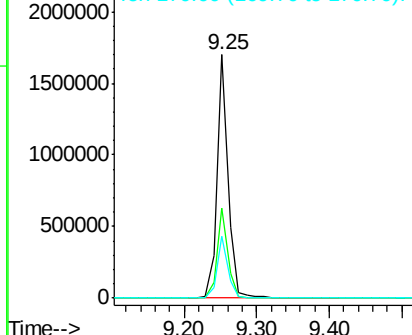
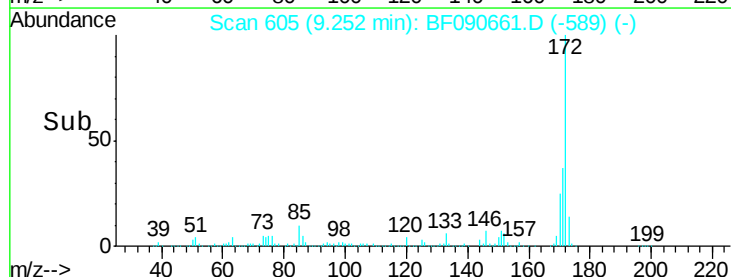


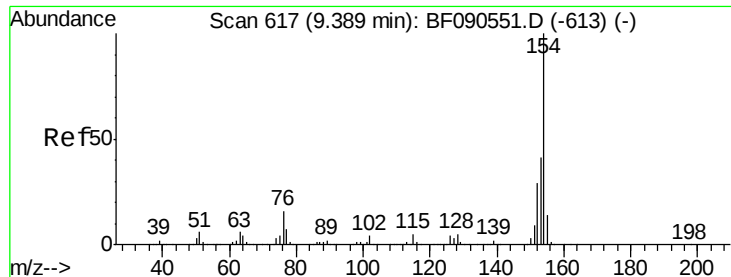
#44
 2-Fluorobiphenyl
 Concen: 54.09 ng
 RT: 9.25 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Tgt Ion:172 Resp: 1803206
 Ion Ratio Lower Upper
 172 100
 171 37.0 30.1 45.1
 170 25.4 20.6 30.8



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

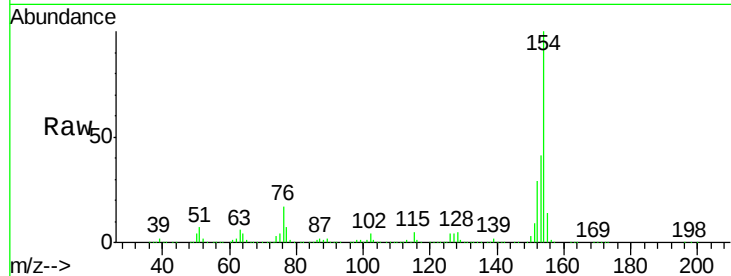




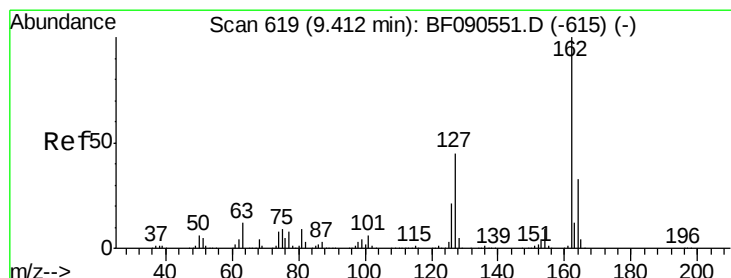
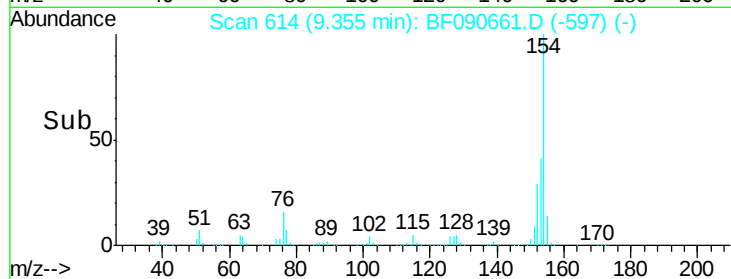
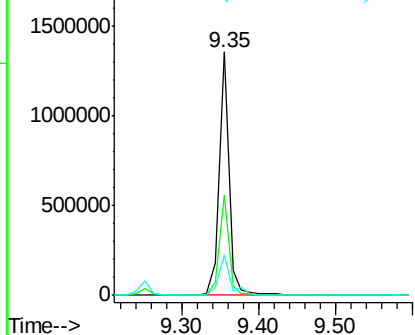
#45
 1,1'-Biphenyl
 Concen: 29.29 ng
 RT: 9.35 min Scan# 614
 Delta R.T. -0.00 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Instrument :
 BNA_F
 ClientSampleId :
 101816-03MSD

Tgt Ion:154 Resp: 1224139
 Ion Ratio Lower Upper
 154 100
 153 41.0 21.5 61.5
 76 16.5 0.0 36.0

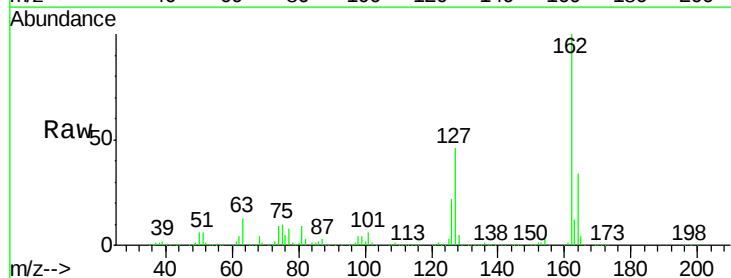


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

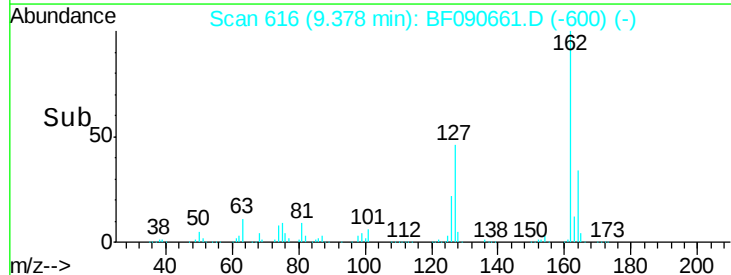
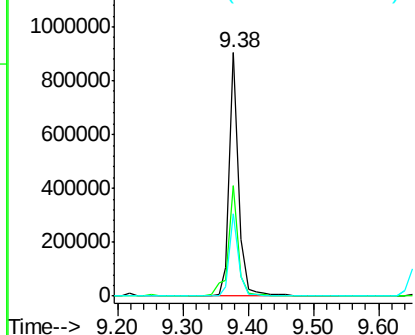


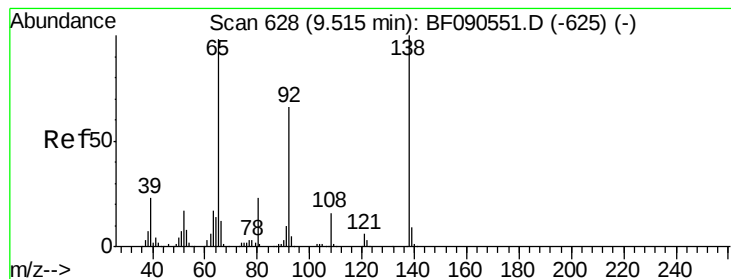
#46
 2-Chloronaphthalene
 Concen: 28.87 ng
 RT: 9.38 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Tgt Ion:162 Resp: 899655
 Ion Ratio Lower Upper
 162 100
 127 45.6 35.9 53.9
 164 33.7 26.7 40.1



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





#47

2-Nitroaniline

Concen: 31.13 ng

RT: 9.48 min Scan# 625

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

ClientSampleId :

101816-03MSD

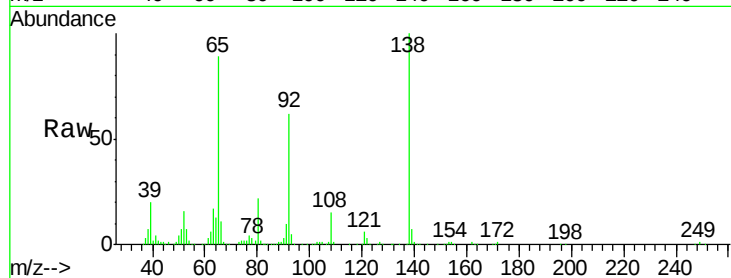
Tgt Ion: 65 Resp: 351746

Ion Ratio Lower Upper

65 100

92 69.7 54.3 81.5

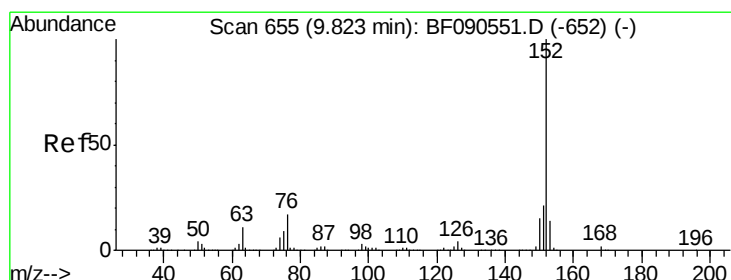
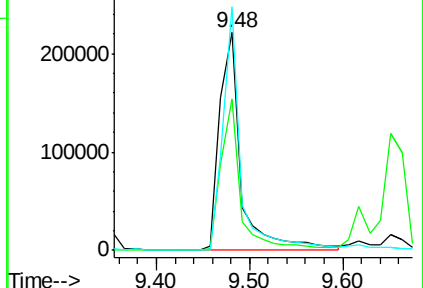
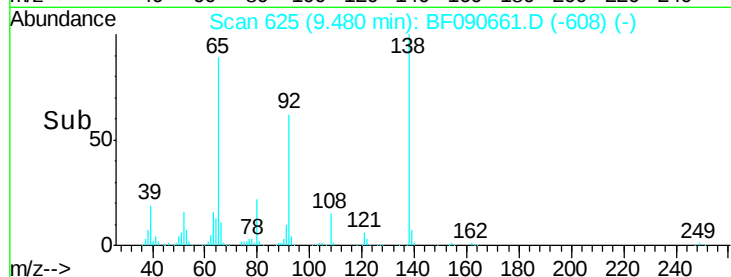
138 112.0 81.7 122.5



Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#48

Acenaphthylene

Concen: 28.26 ng

RT: 9.80 min Scan# 653

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

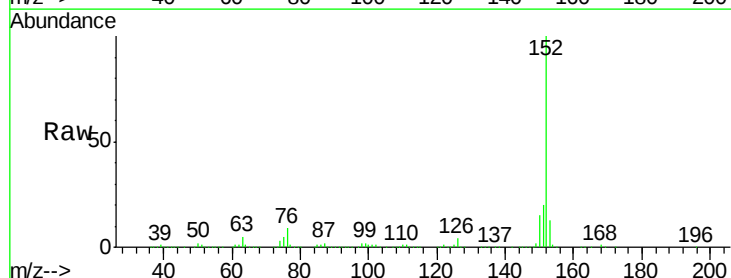
Tgt Ion: 152 Resp: 1402437

Ion Ratio Lower Upper

152 100

151 20.2 16.6 25.0

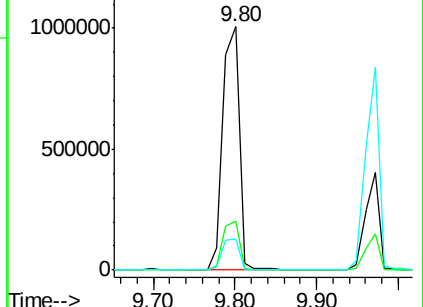
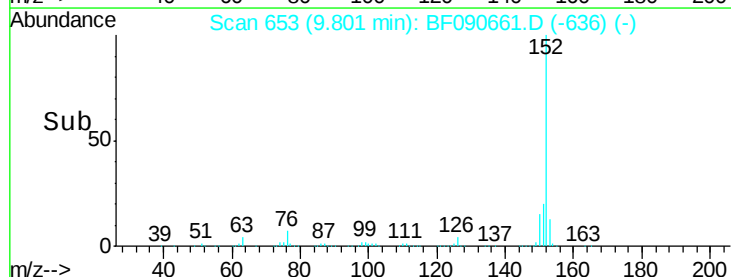
153 13.0 11.3 16.9

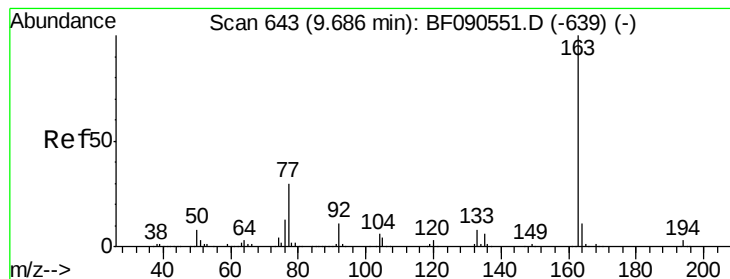


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 47.85 ng

RT: 9.66 min Scan# 641

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

ClientSampleId :

101816-03MSD

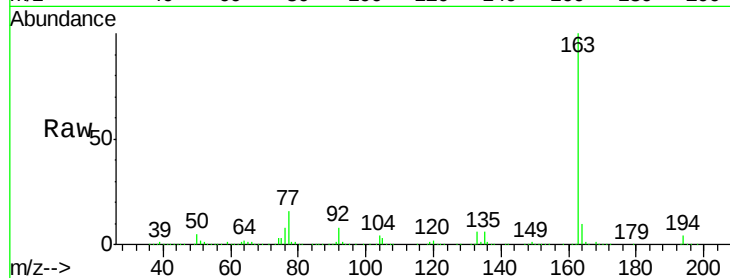
Tgt Ion:163 Resp: 1705447

Ion Ratio Lower Upper

163 100

194 3.9 2.3 3.5#

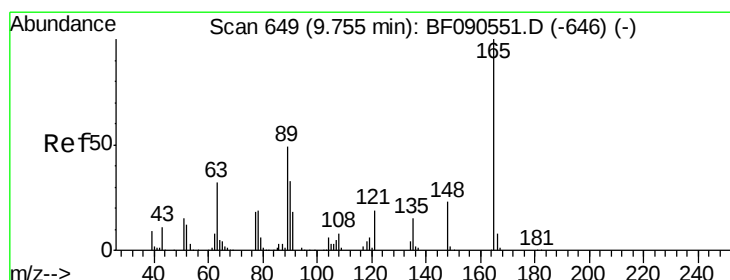
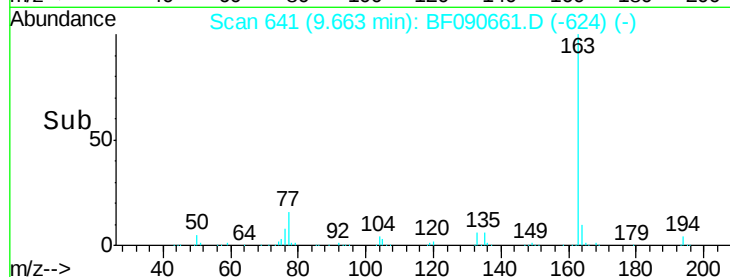
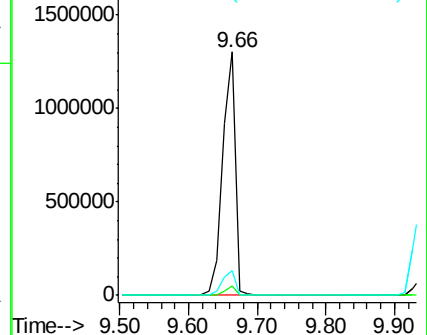
164 10.2 8.6 13.0



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: 31.24 ng

RT: 9.72 min Scan# 646

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

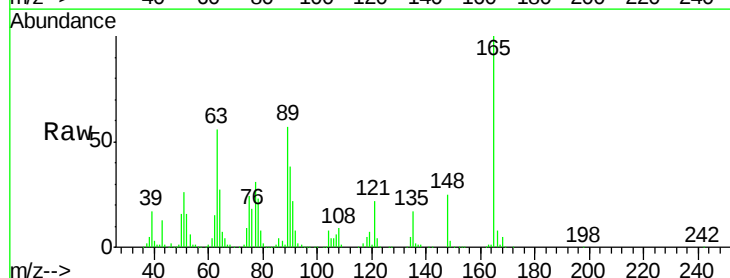
Tgt Ion:165 Resp: 243615

Ion Ratio Lower Upper

165 100

63 55.9 40.1 60.1

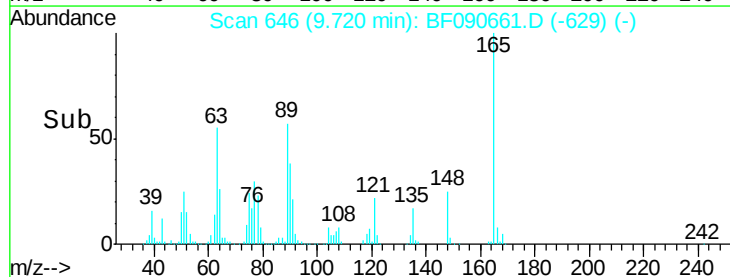
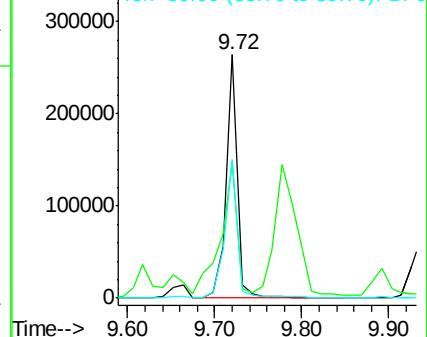
89 57.1 39.5 59.3

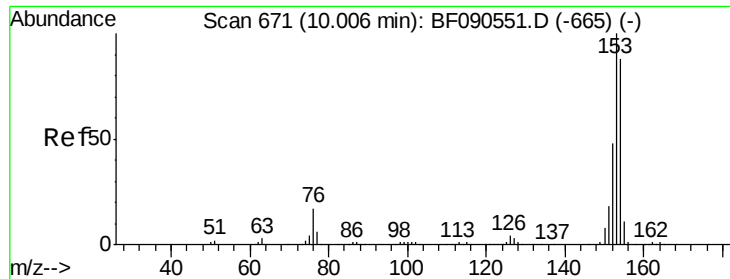


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 26.48 ng

RT: 9.97 min Scan# 668

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

ClientSampleId :

101816-03MSD

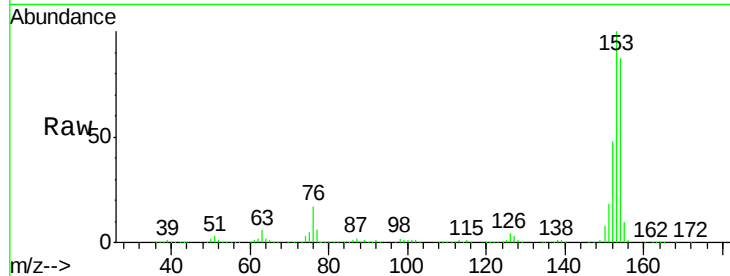
Tgt Ion:154 Resp: 873503

Ion Ratio Lower Upper

154 100

153 114.3 91.2 136.8

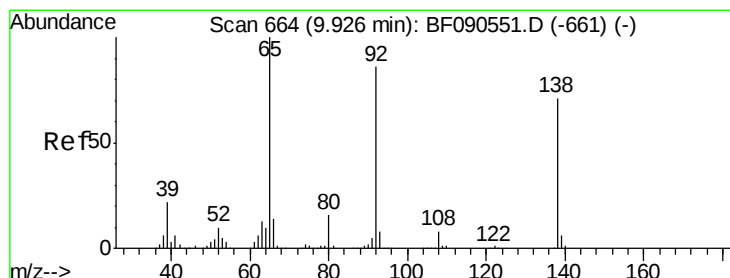
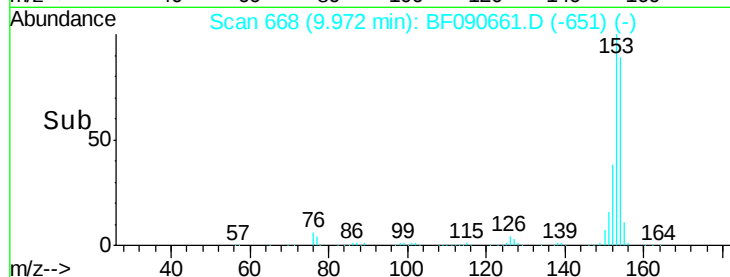
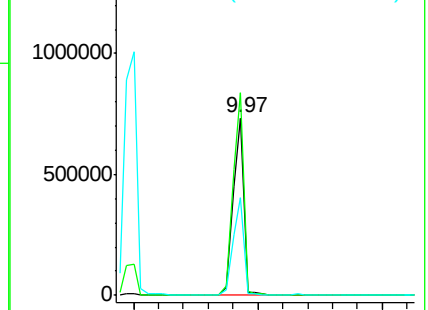
152 54.7 44.0 66.0



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: 24.06 ng

RT: 9.89 min Scan# 661

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

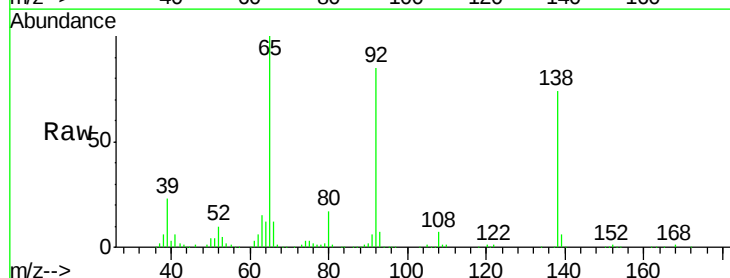
Tgt Ion:138 Resp: 235456

Ion Ratio Lower Upper

138 100

108 10.2 8.6 12.8

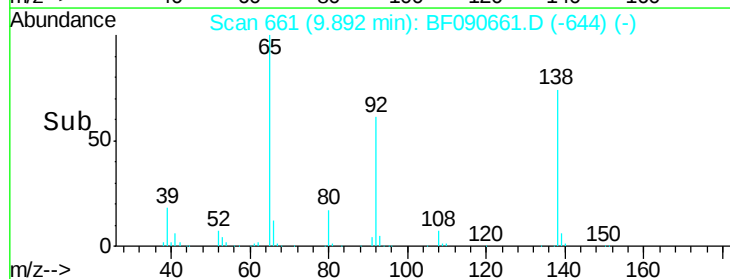
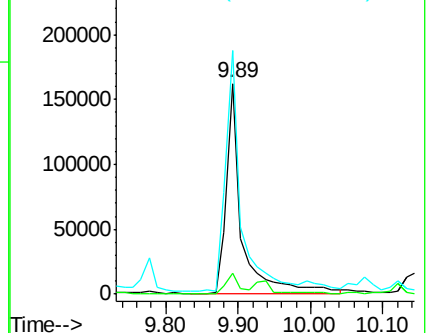
92 115.5 97.8 146.8

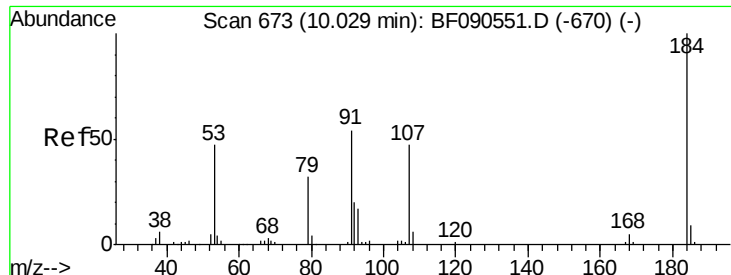


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

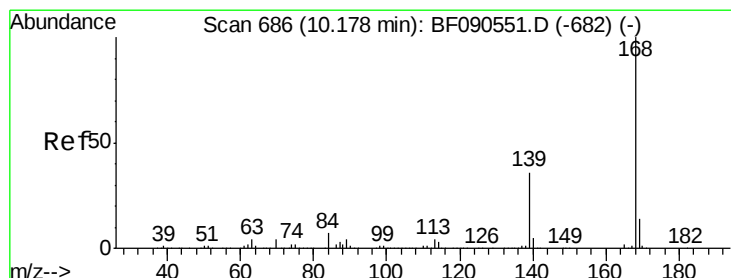
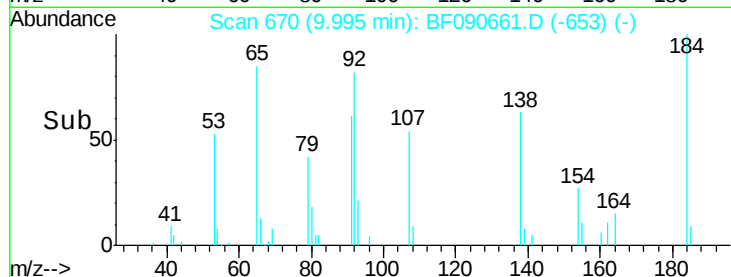
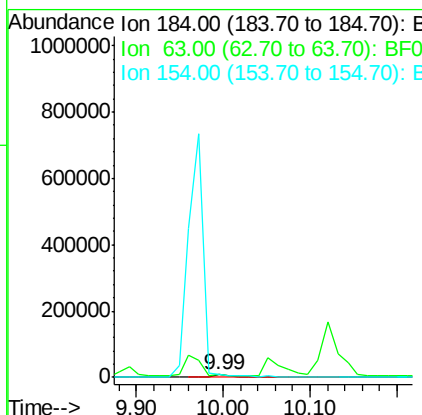
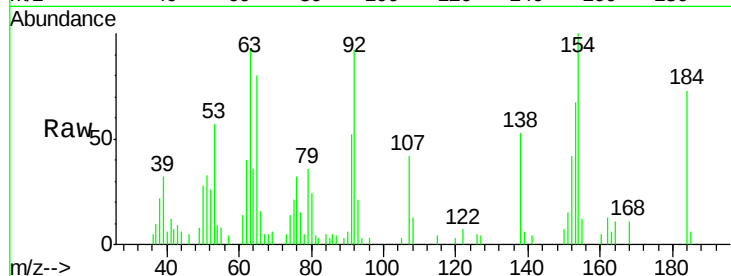




#53
 2,4-Dinitrophenol
 Concen: 9.49 ng
 RT: 9.99 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

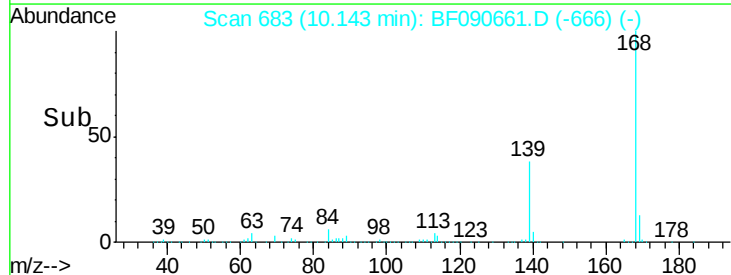
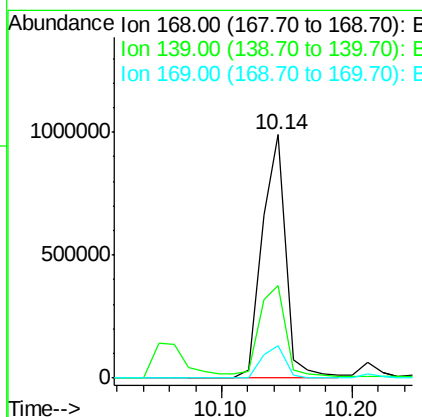
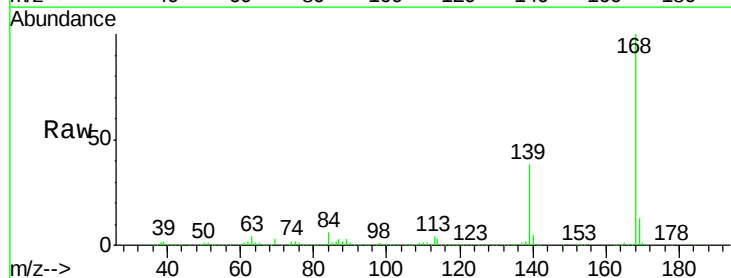
Instrument :
 BNA_F
 ClientSampleId :
 101816-03MSD

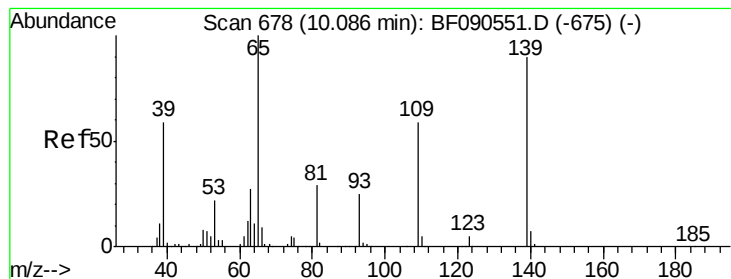
Tgt Ion:184 Resp: 17394
 Ion Ratio Lower Upper
 184 100
 63 128.7 60.2 90.2#
 154 137.7 86.1 129.1#



#54
 Dibenzofuran
 Concen: 28.61 ng
 RT: 10.14 min Scan# 683
 Delta R.T. -0.00 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Tgt Ion:168 Resp: 1241288
 Ion Ratio Lower Upper
 168 100
 139 37.8 30.5 45.7
 169 13.5 10.9 16.3





#55

4-Nitrophenol

Concen: 44.49 ng

RT: 10.05 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

ClientSampleId :

101816-03MSD

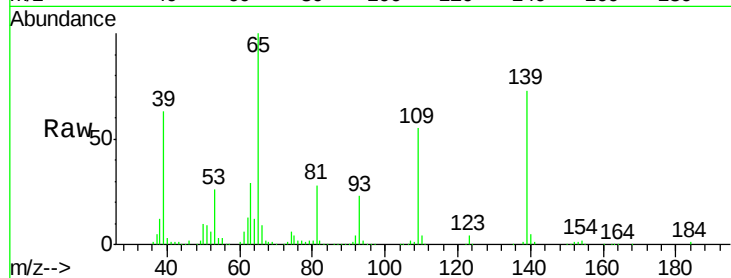
Tgt Ion:139 Resp: 261987

Ion Ratio Lower Upper

139 100

109 75.5 45.9 85.9

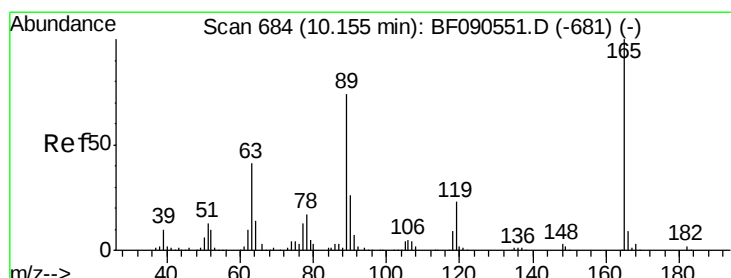
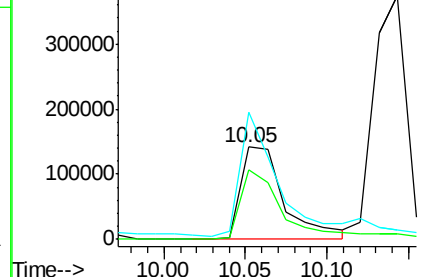
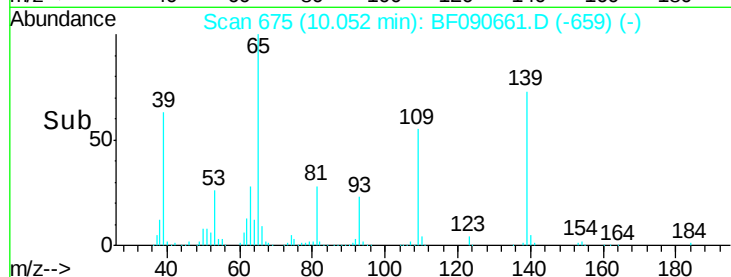
65 137.9 95.8 135.8#



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: 27.61 ng

RT: 10.12 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Tgt Ion:165 Resp: 292440

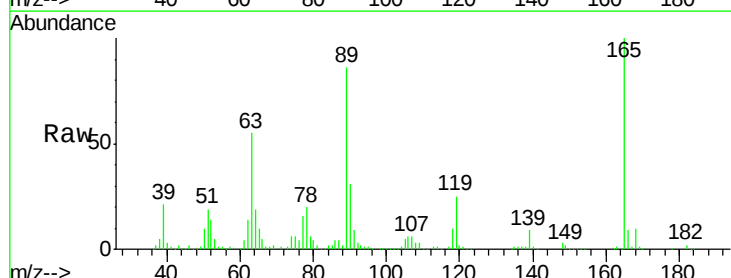
Ion Ratio Lower Upper

165 100

63 55.4 35.4 53.0#

89 86.4 59.0 88.4

182 2.1 1.8 2.6

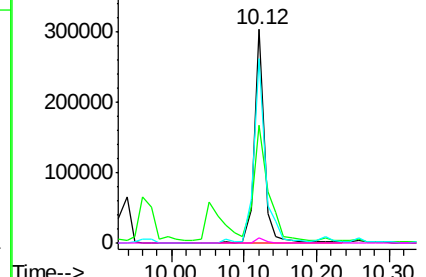
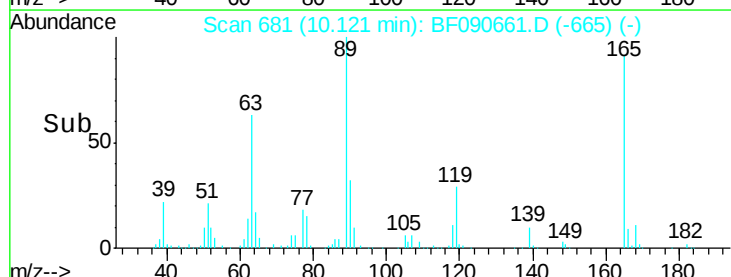


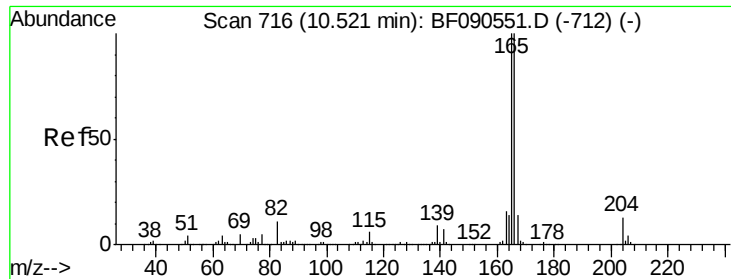
Abundance Ion 165.00 (164.70 to 165.70): E

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

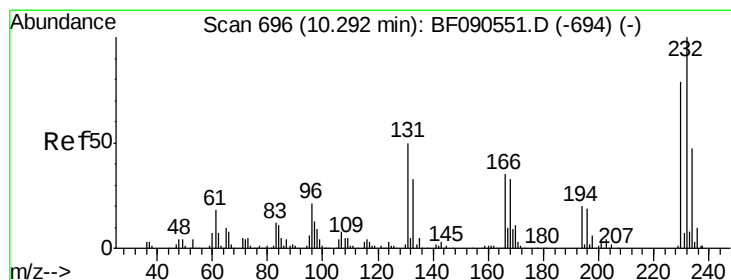
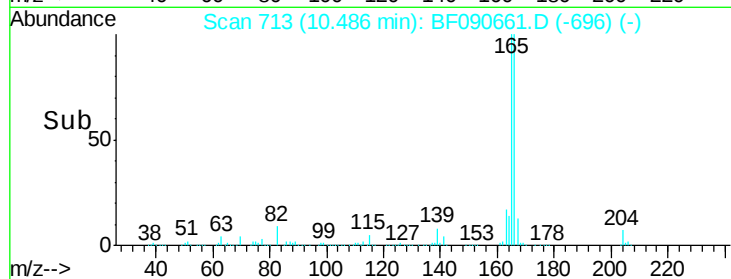
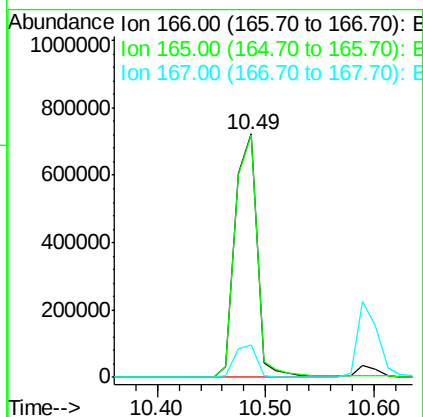
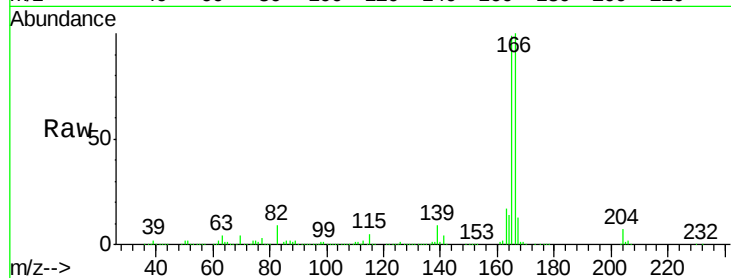




#57
 Fluorene
 Concen: 27.90 ng
 RT: 10.49 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

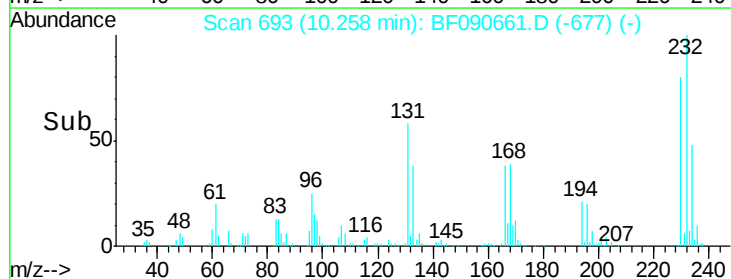
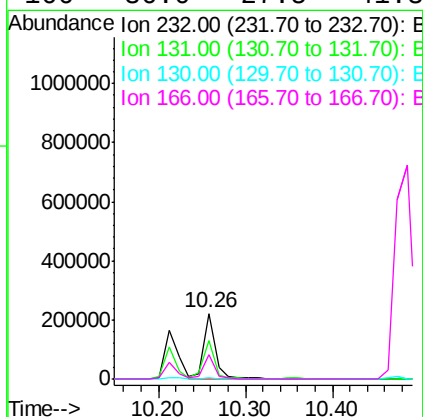
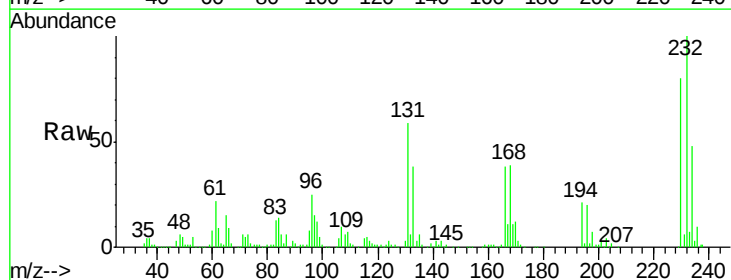
Instrument :
 BNA_F
 ClientSampleId :
 101816-03MSD

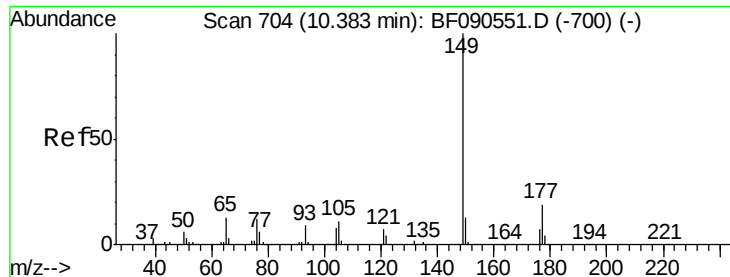
Tgt Ion:166 Resp: 998660
 Ion Ratio Lower Upper
 166 100
 165 99.5 79.9 119.9
 167 13.2 10.9 16.3



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 25.27 ng
 RT: 10.26 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Tgt Ion:232 Resp: 206247
 Ion Ratio Lower Upper
 232 100
 131 58.9 42.6 64.0
 130 2.7 1.8 2.8
 166 36.0 27.5 41.3

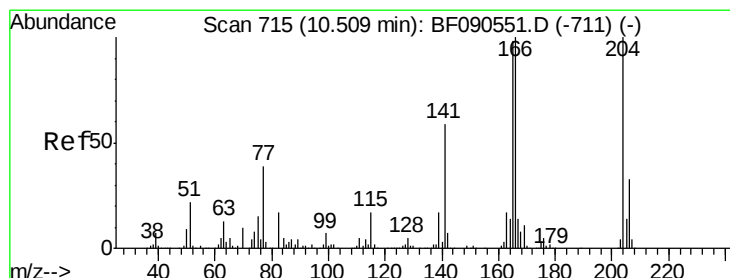
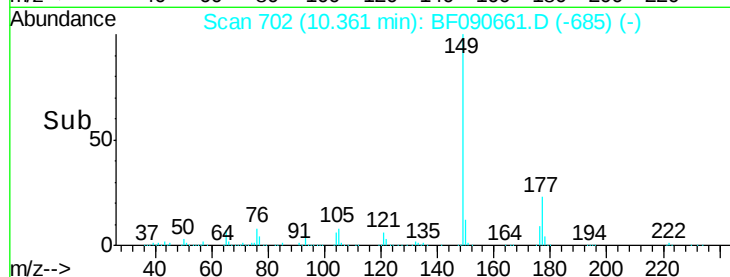
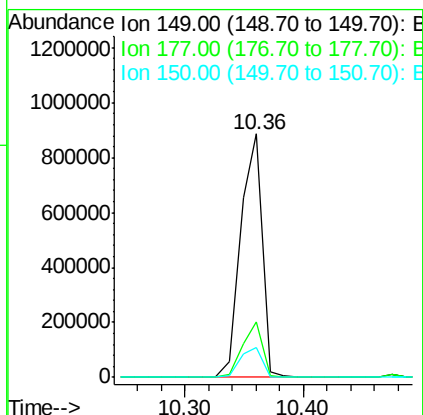
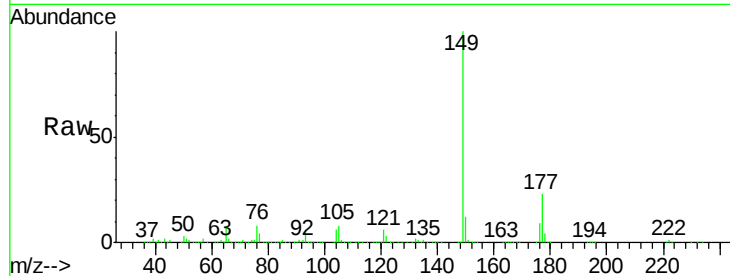




#59
Diethylphthalate
Concen: 31.08 ng
RT: 10.36 min Scan# 702
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

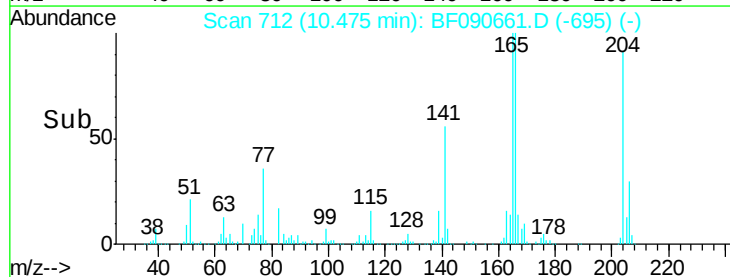
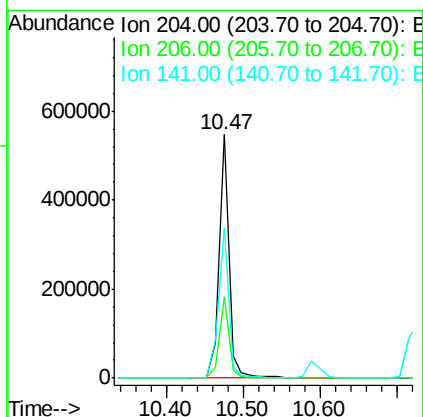
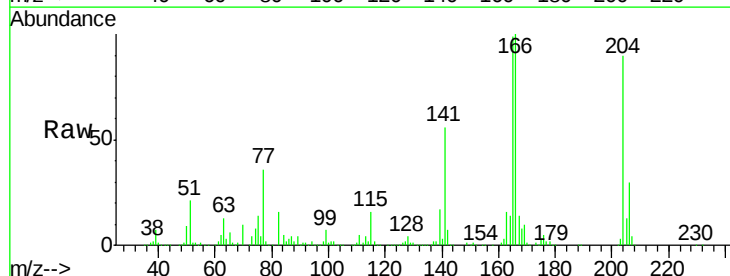
Instrument :
BNA_F
ClientSampleId :
101816-03MSD

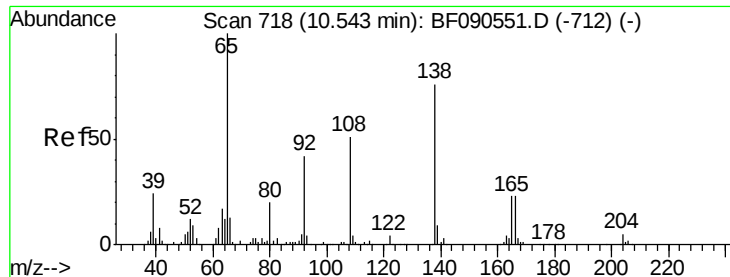
Tgt Ion:149 Resp: 1123422
Ion Ratio Lower Upper
149 100
177 22.8 15.3 22.9
150 12.3 10.3 15.5



#60
4-Chlorophenyl-phenylether
Concen: 28.85 ng
RT: 10.47 min Scan# 712
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Tgt Ion:204 Resp: 486759
Ion Ratio Lower Upper
204 100
206 33.4 26.5 39.7
141 61.5 47.2 70.8

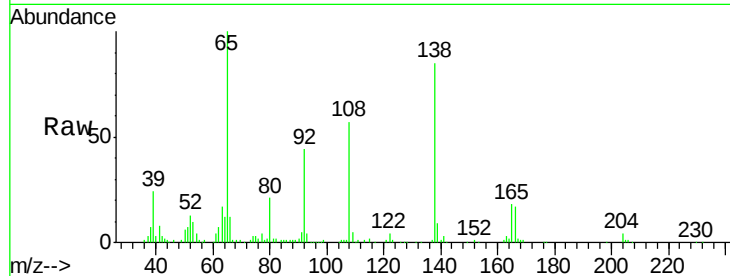




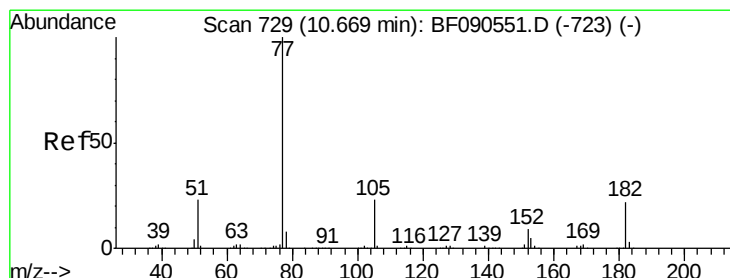
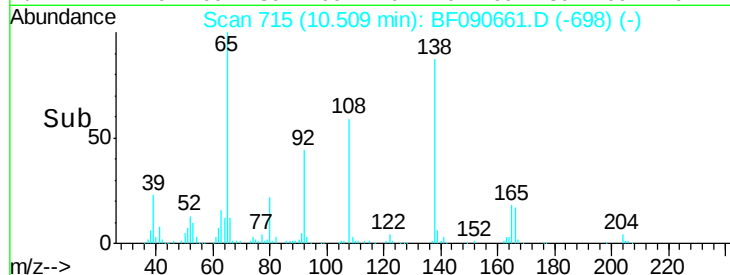
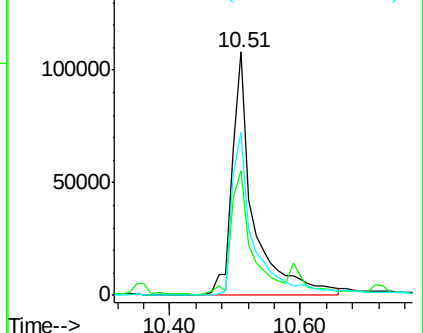
#61
4-Nitroaniline
Concen: 24.19 ng
RT: 10.51 min Scan# 715
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Instrument :
BNA_F
ClientSampleId :
101816-03MSD

Tgt Ion:138 Resp: 237400
Ion Ratio Lower Upper
138 100
92 51.3 35.7 75.7
108 66.9 46.9 86.9

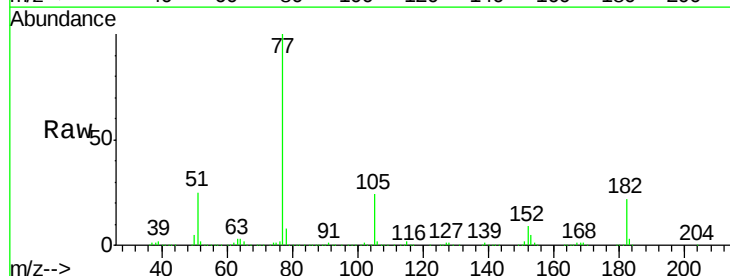


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E

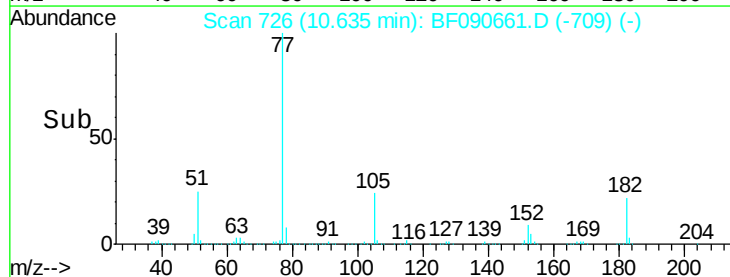
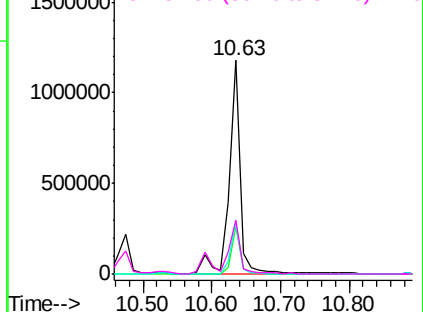


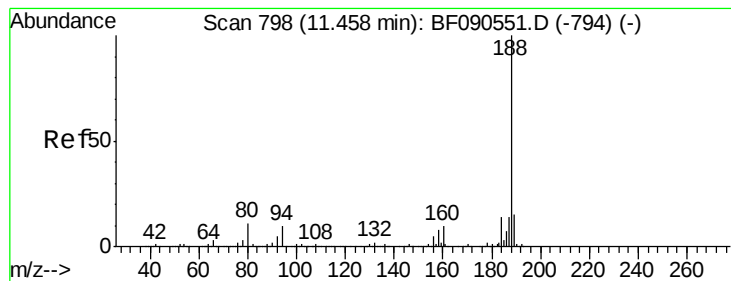
#62
Azobenzene
Concen: 32.28 ng
RT: 10.63 min Scan# 726
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Tgt Ion: 77 Resp: 1349449
Ion Ratio Lower Upper
77 100
182 22.2 2.2 42.2
105 23.9 3.5 43.5
51 25.4 3.7 43.7



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.42 min Scan# 795

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

ClientSampleId :

101816-03MSD

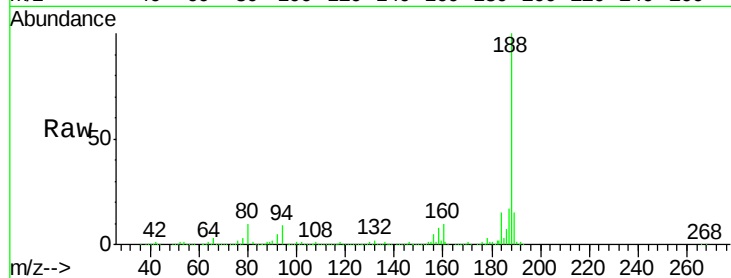
Tgt Ion:188 Resp: 778583

Ion Ratio Lower Upper

188 100

94 9.2 7.7 11.5

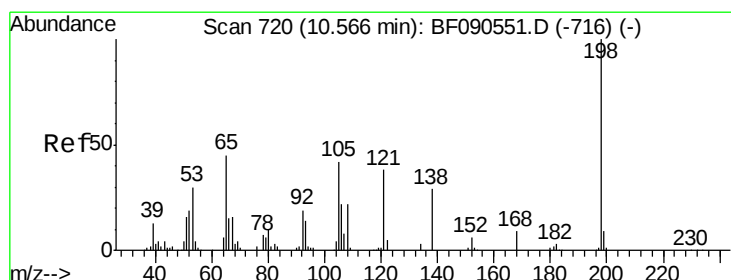
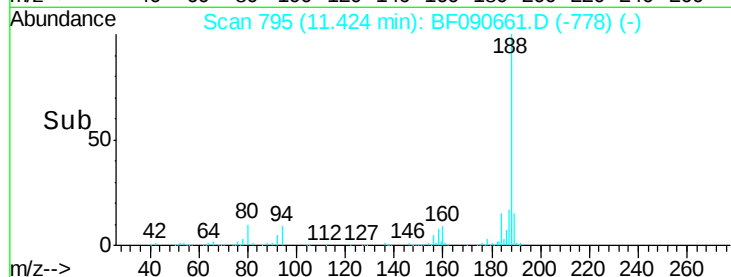
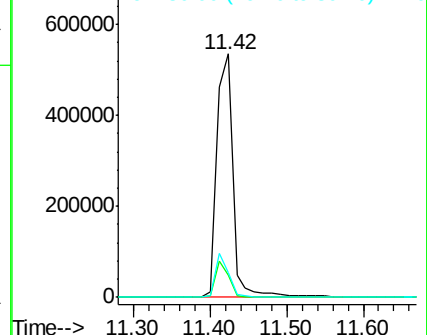
80 10.3 8.6 12.8



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: 4.78 ng

RT: 10.53 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

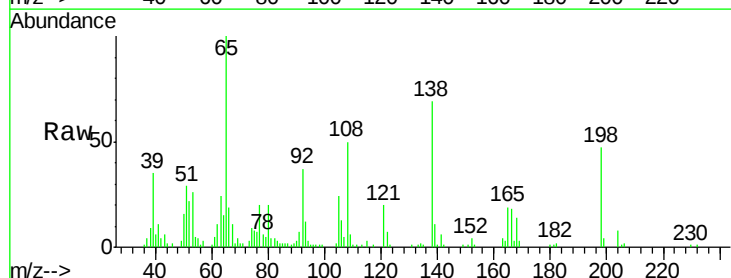
Tgt Ion:198 Resp: 22516

Ion Ratio Lower Upper

198 100

51 62.0 19.7 59.7#

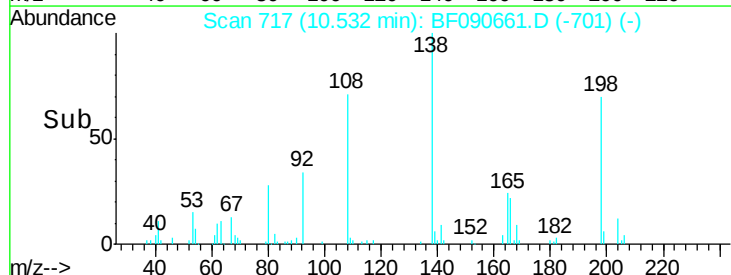
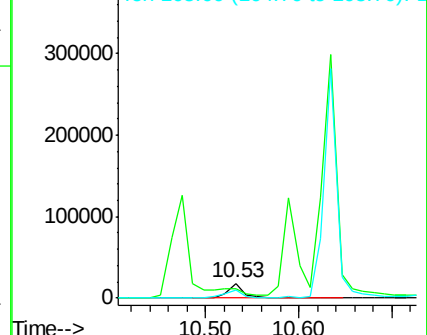
105 50.9 22.6 62.6

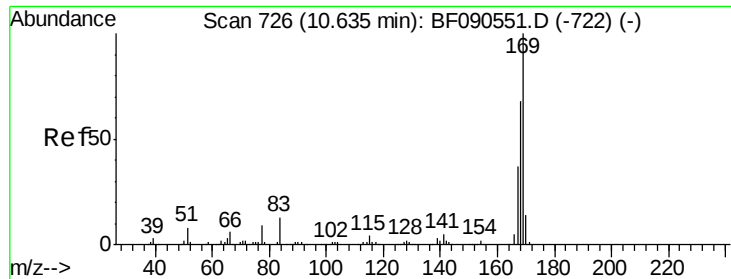


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 31.27 ng

RT: 10.59 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

ClientSampleId :

101816-03MSD

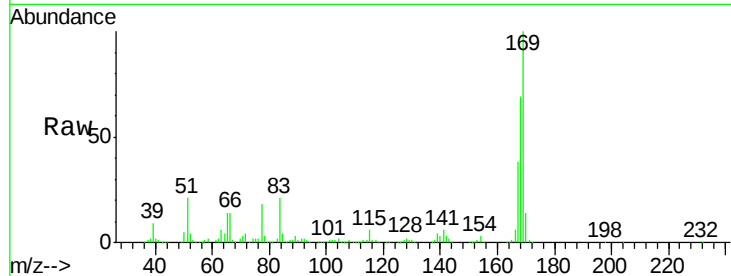
Tgt Ion:169 Resp: 804184

Ion Ratio Lower Upper

169 100

168 68.5 54.6 81.8

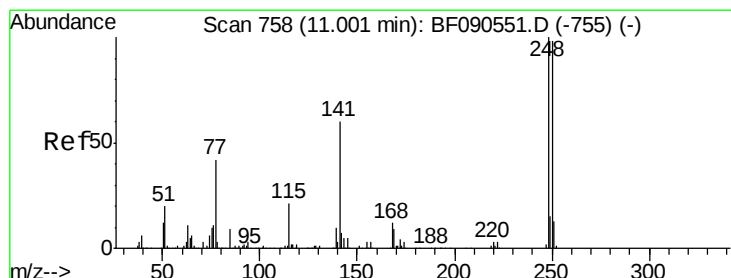
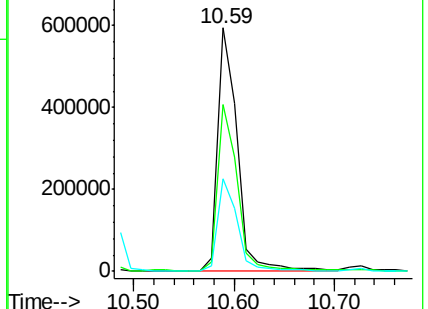
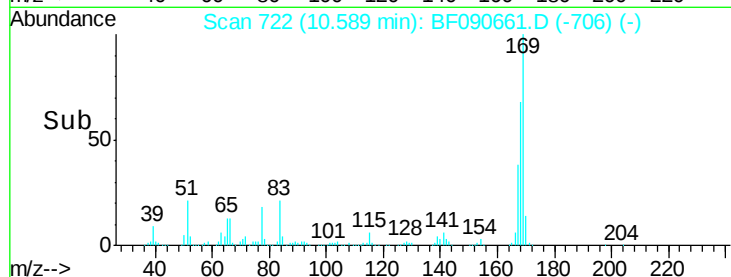
167 37.8 29.8 44.8



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: 29.77 ng

RT: 10.97 min Scan# 755

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

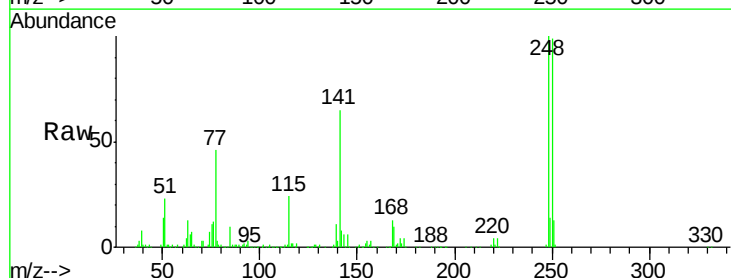
Tgt Ion:248 Resp: 248667

Ion Ratio Lower Upper

248 100

250 98.7 78.4 117.6

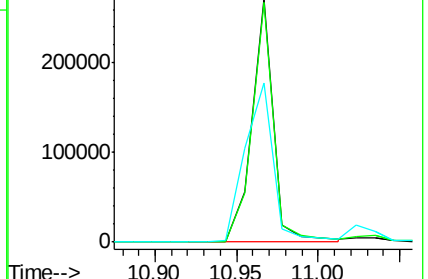
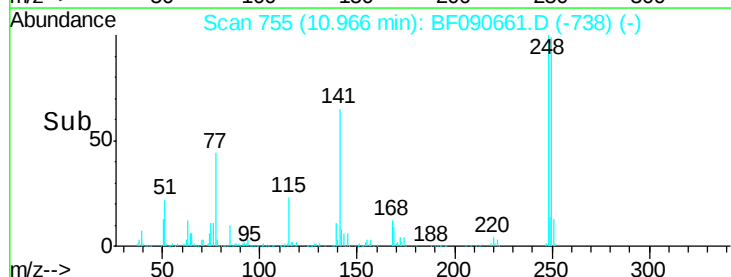
141 65.3 48.4 72.6

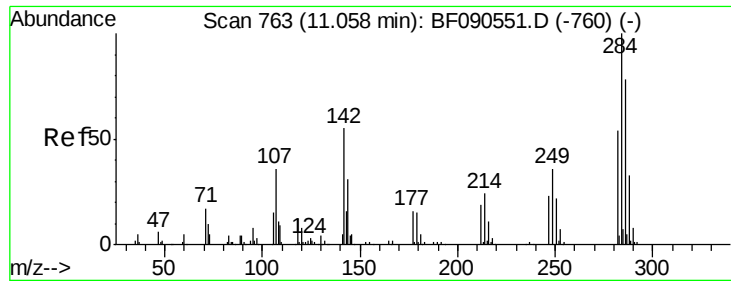


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 30.61 ng

RT: 11.03 min Scan# 761

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

ClientSampleId :

101816-03MSD

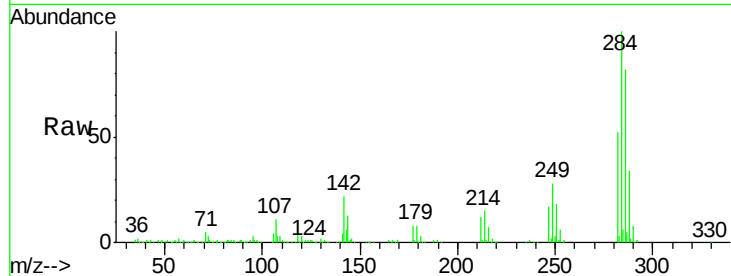
Tgt Ion:284 Resp: 277617

Ion Ratio Lower Upper

284 100

142 21.7 44.5 66.7#

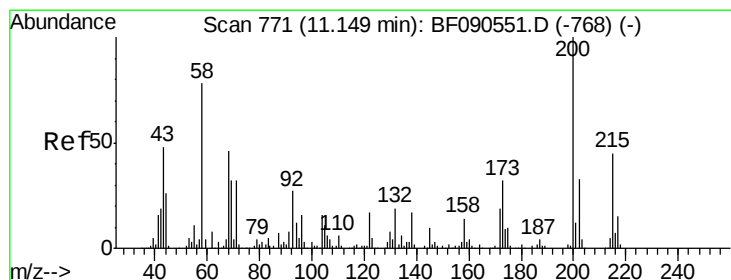
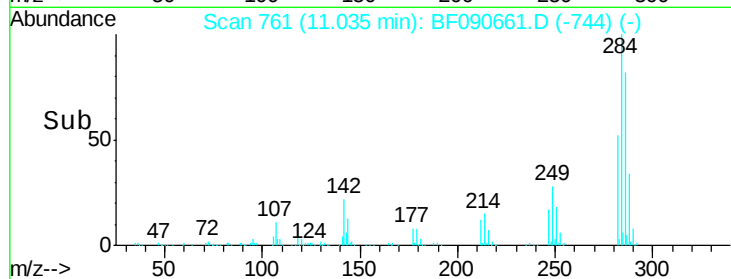
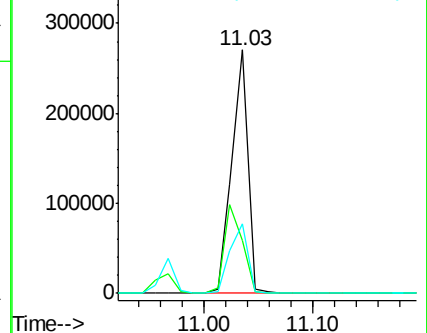
249 28.3 29.6 44.4#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 33.56 ng

RT: 11.13 min Scan# 769

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

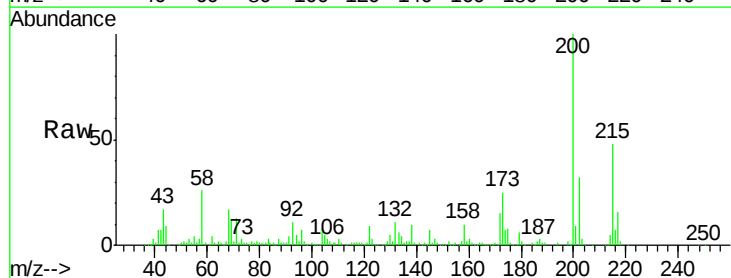
Tgt Ion:200 Resp: 238698

Ion Ratio Lower Upper

200 100

173 25.3 12.0 52.0

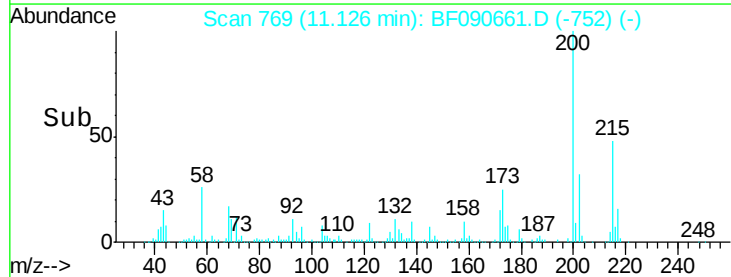
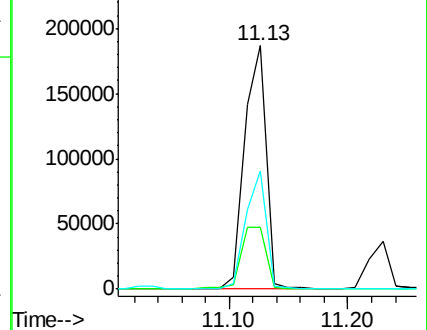
215 48.3 25.2 65.2

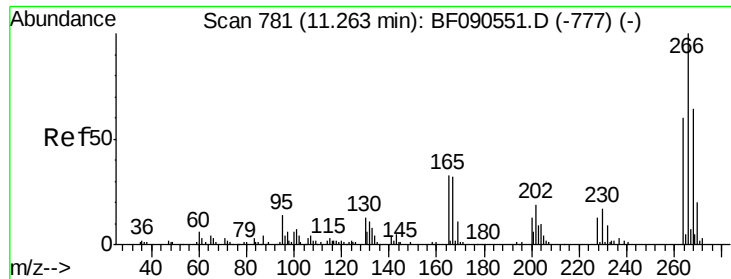


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

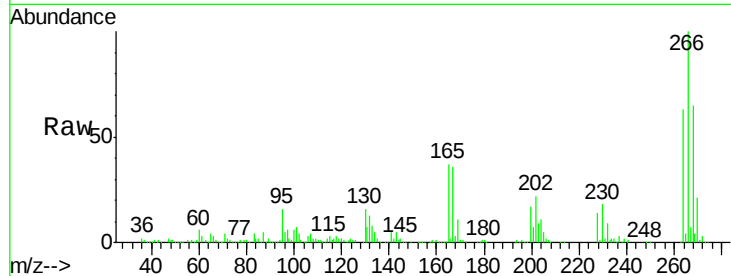




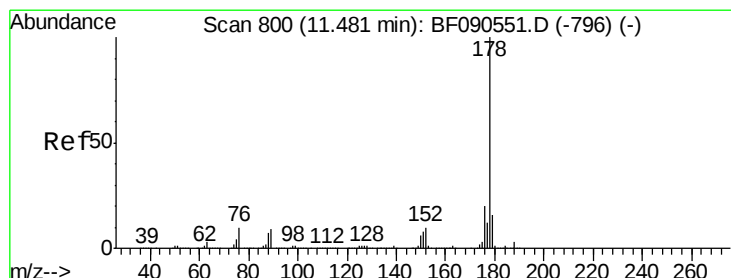
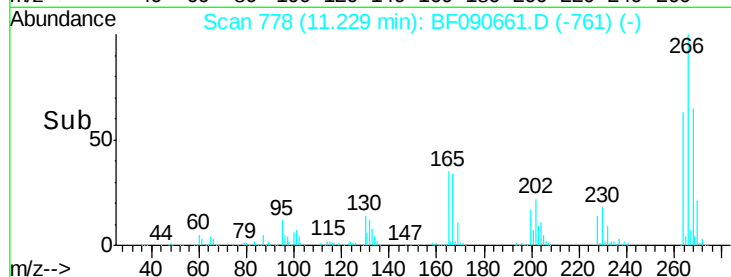
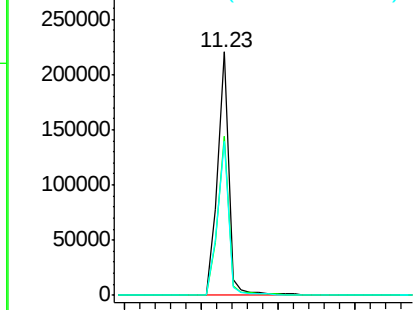
#69
 Pentachlorophenol
 Concen: 50.70 ng
 RT: 11.23 min Scan# 778
 Delta R.T. -0.00 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Instrument :
 BNA_F
 ClientSampleId :
 101816-03MSD

Tgt Ion:266 Resp: 227931
 Ion Ratio Lower Upper
 266 100
 268 65.2 51.5 77.3
 264 63.3 47.9 71.9

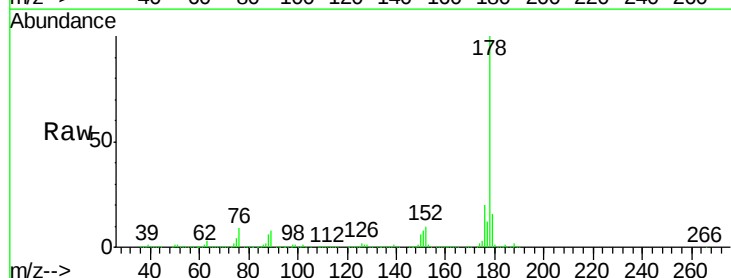


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

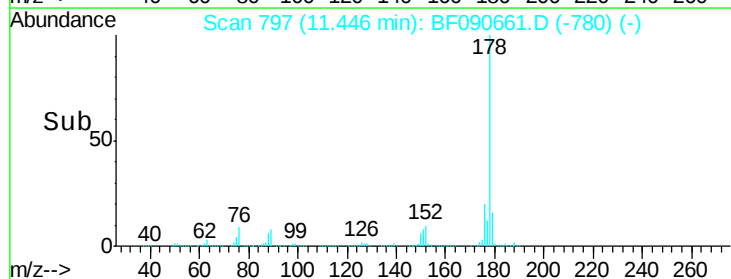
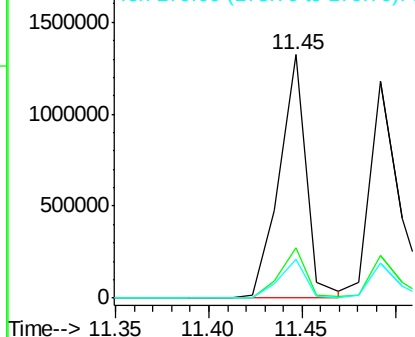


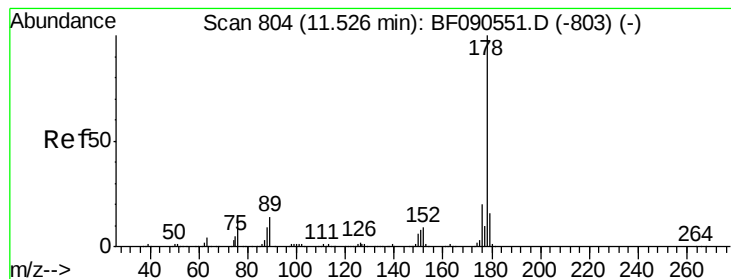
#70
 Phenanthrene
 Concen: 31.91 ng
 RT: 11.45 min Scan# 797
 Delta R.T. -0.00 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Tgt Ion:178 Resp: 1326219
 Ion Ratio Lower Upper
 178 100
 176 20.4 16.1 24.1
 179 16.0 12.6 19.0



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: 28.83 ng

RT: 11.49 min Scan# 801

Delta R.T. -0.01 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

ClientSampleId :

101816-03MSD

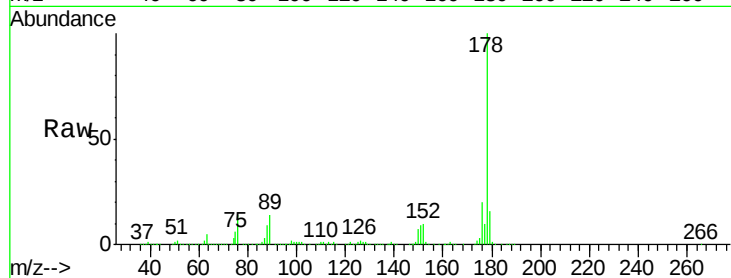
Tgt Ion:178 Resp: 1289624

Ion Ratio Lower Upper

178 100

176 19.8 15.5 23.3

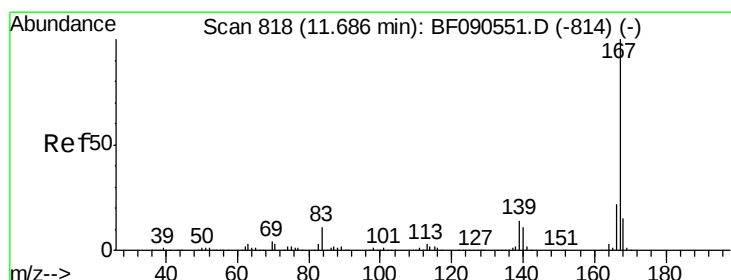
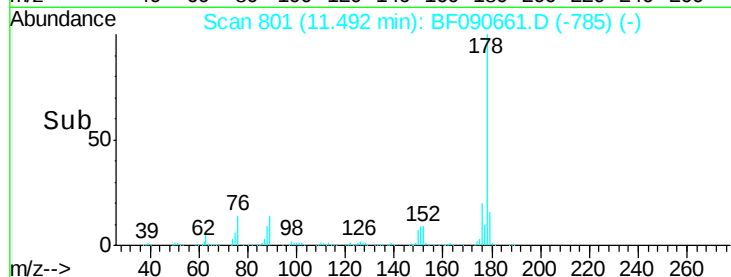
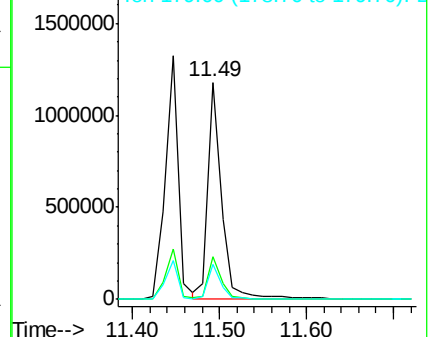
179 16.2 13.0 19.4



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: 29.10 ng

RT: 11.65 min Scan# 815

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

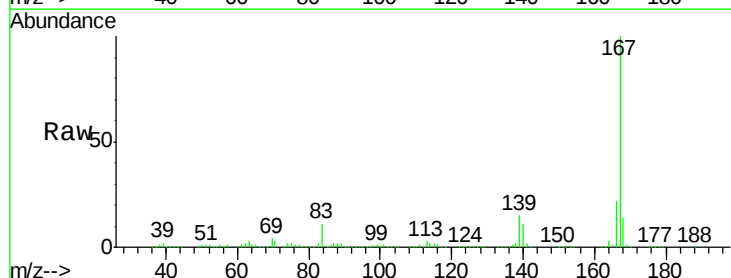
Tgt Ion:167 Resp: 1165234

Ion Ratio Lower Upper

167 100

166 22.3 17.8 26.8

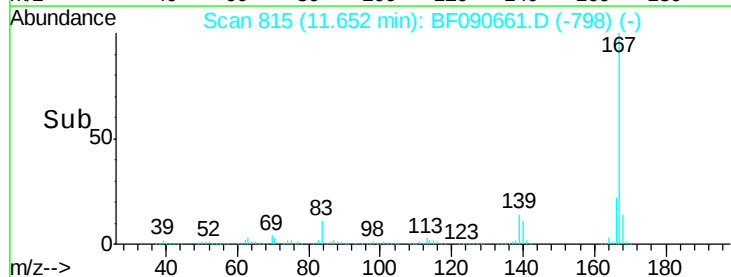
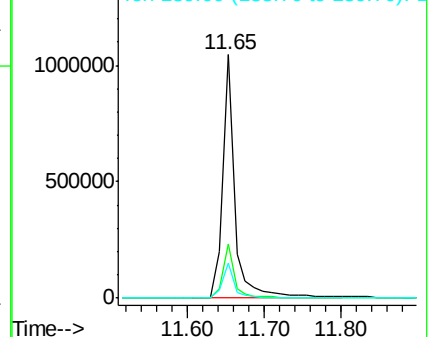
139 14.5 11.3 16.9

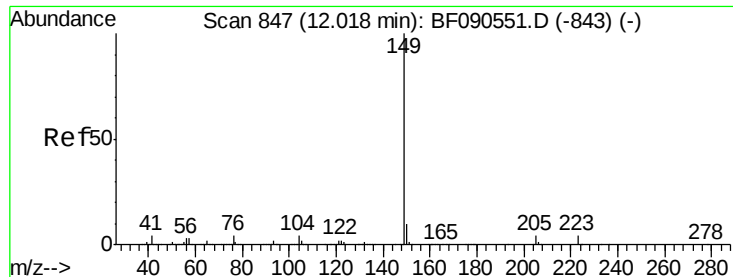


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 34.82 ng

RT: 11.98 min Scan# 844

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

ClientSampleId :

101816-03MSD

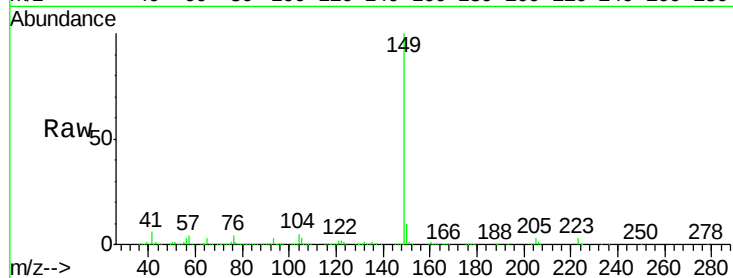
Tgt Ion:149 Resp: 1633366

Ion Ratio Lower Upper

149 100

150 9.8 7.8 11.6

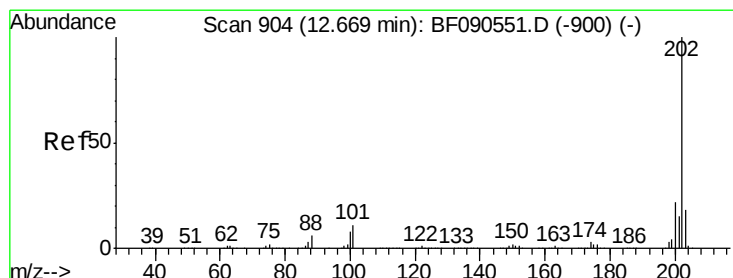
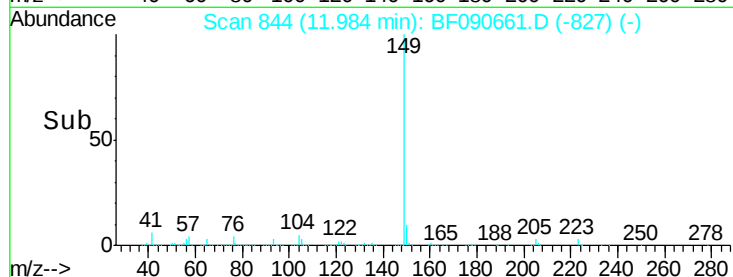
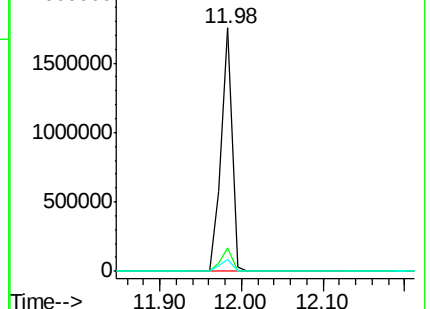
104 4.7 3.3 4.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 26.25 ng

RT: 12.64 min Scan# 901

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

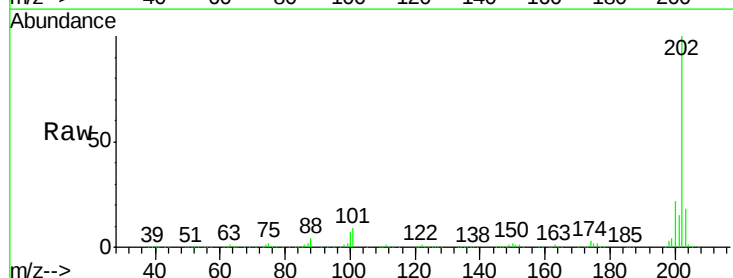
Tgt Ion:202 Resp: 1097168

Ion Ratio Lower Upper

202 100

101 9.5 0.0 31.1

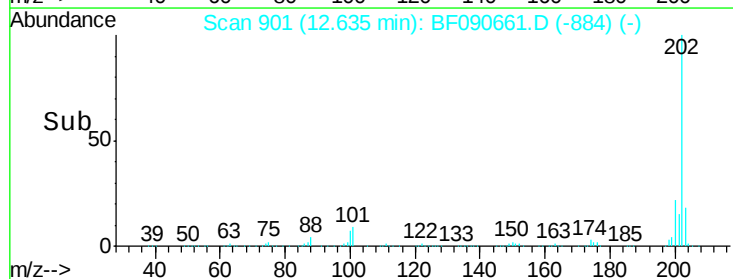
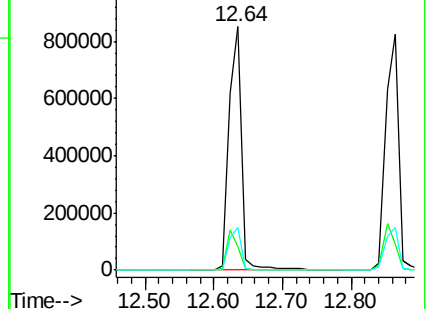
203 17.6 0.0 38.0

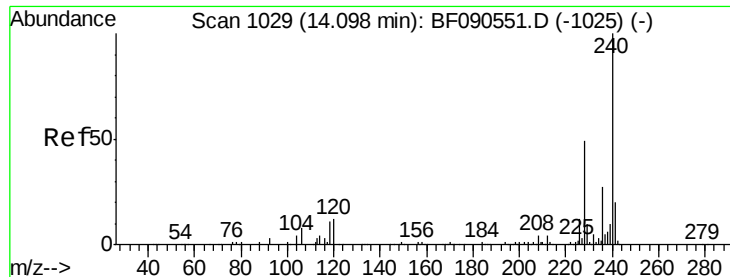


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

ClientSampleId :

101816-03MSD

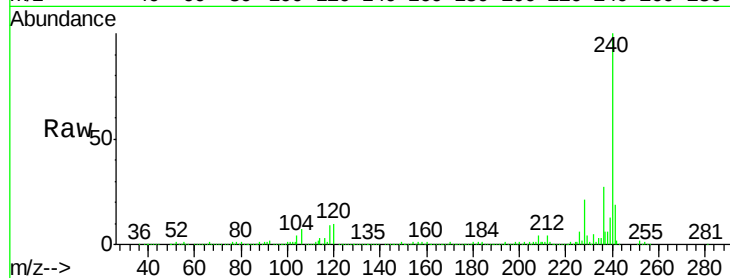
Tgt Ion:240 Resp: 532635

Ion Ratio Lower Upper

240 100

120 9.9 9.8 14.8

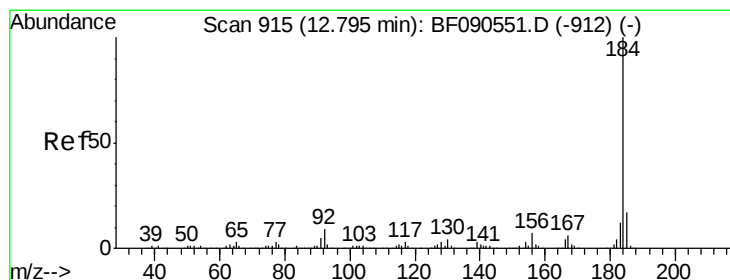
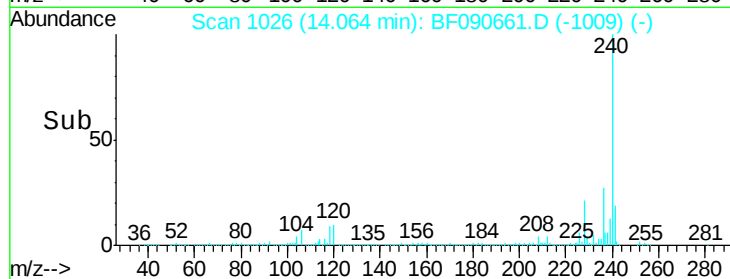
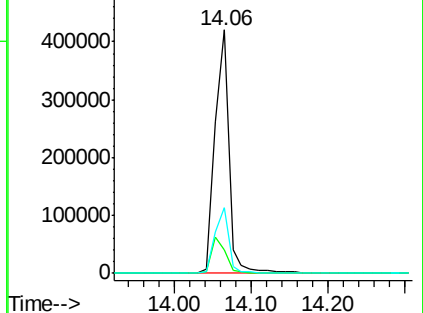
236 26.9 21.7 32.5



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: 35.29 ng

RT: 12.76 min Scan# 912

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

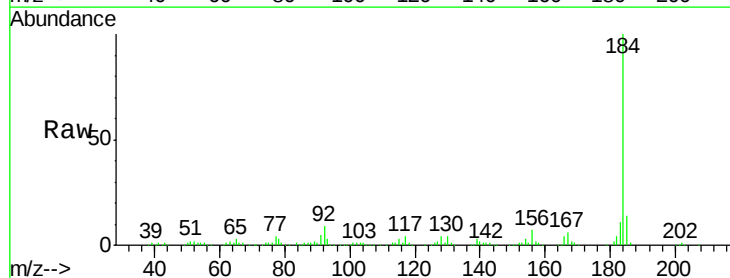
Tgt Ion:184 Resp: 467668

Ion Ratio Lower Upper

184 100

185 13.7 13.4 20.0

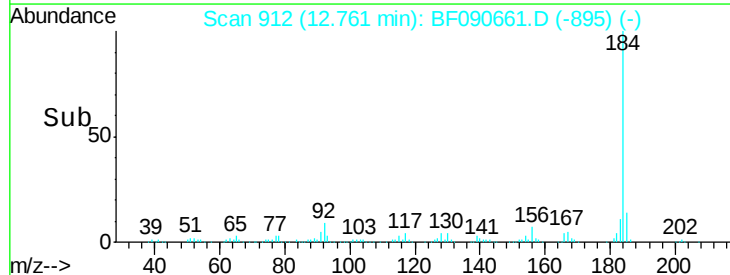
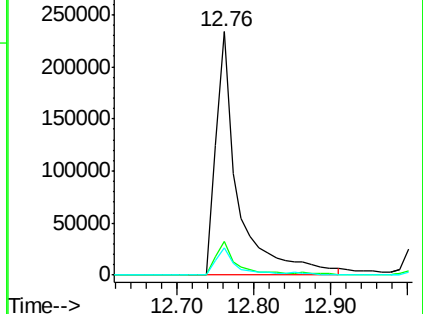
183 11.3 9.4 14.0

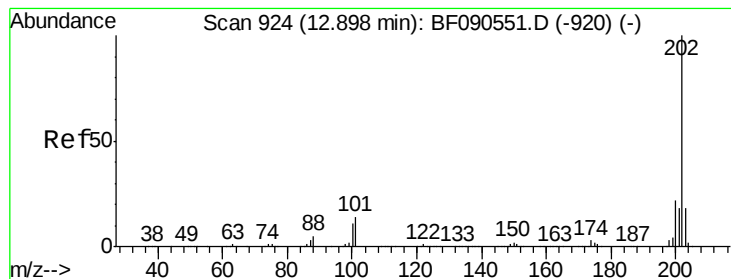


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 30.15 ng

RT: 12.86 min Scan# 921

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

ClientSampleId :

101816-03MSD

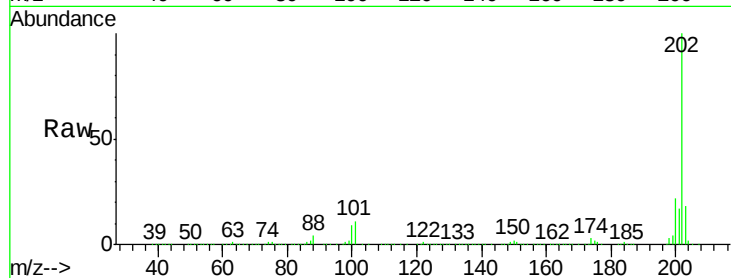
Tgt Ion:202 Resp: 1063583

Ion Ratio Lower Upper

202 100

200 22.1 17.8 26.6

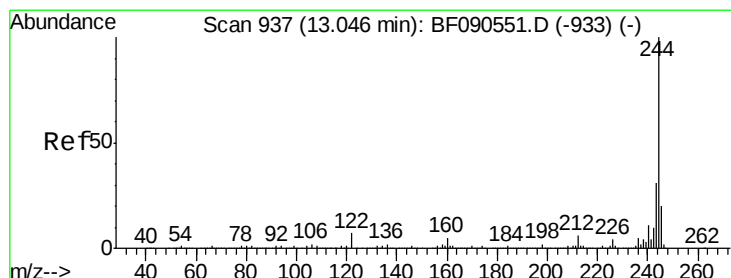
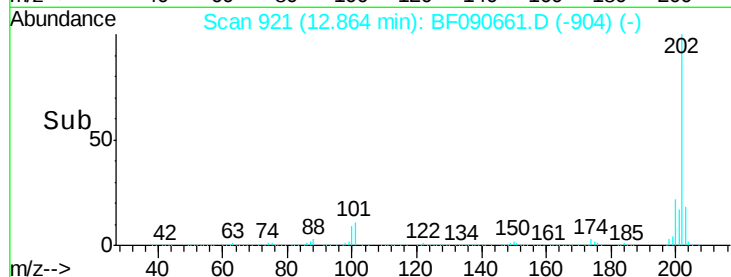
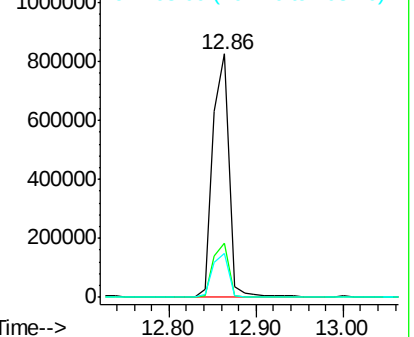
203 17.8 14.6 21.8



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: 60.25 ng

RT: 13.00 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

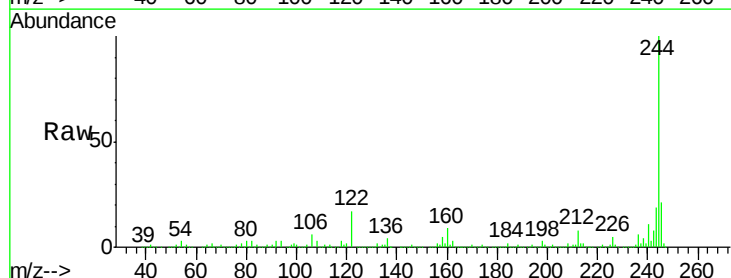
Tgt Ion:244 Resp: 1378220

Ion Ratio Lower Upper

244 100

212 7.9 5.0 7.4#

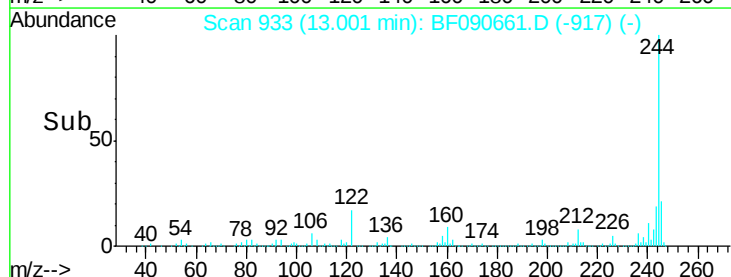
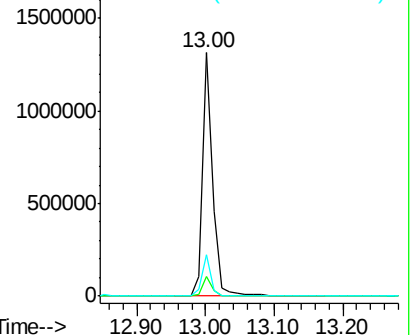
122 17.1 5.6 8.4#

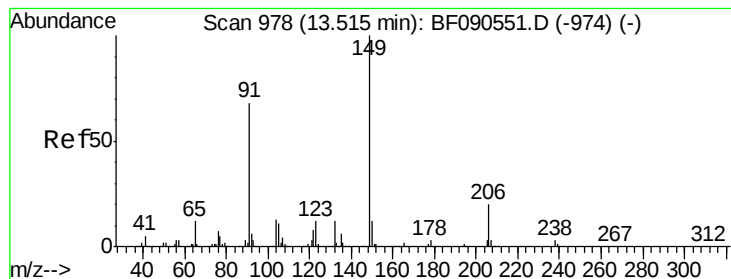


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 39.08 ng

RT: 13.48 min Scan# 975

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

ClientSampleId :

101816-03MSD

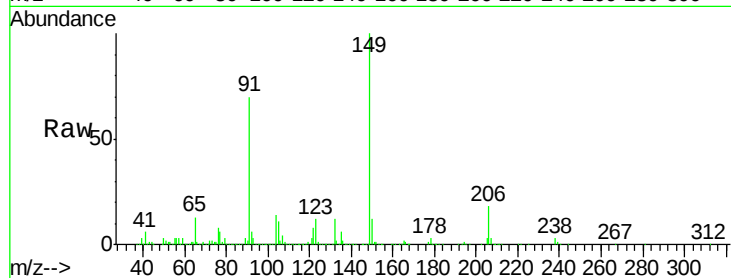
Tgt Ion:149 Resp: 610816

Ion Ratio Lower Upper

149 100

91 69.6 54.3 81.5

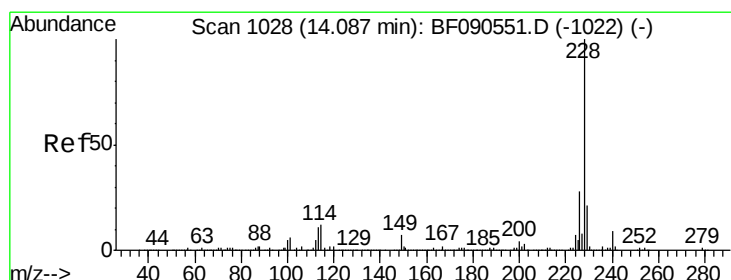
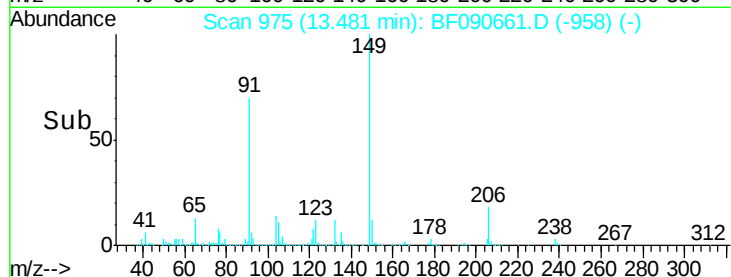
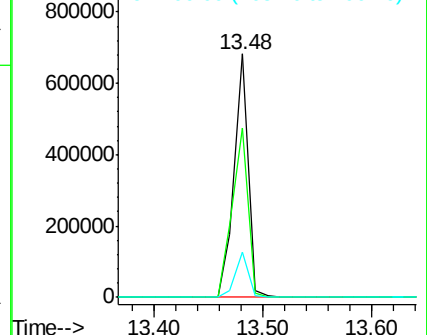
206 18.3 15.8 23.6



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: 29.99 ng

RT: 14.05 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

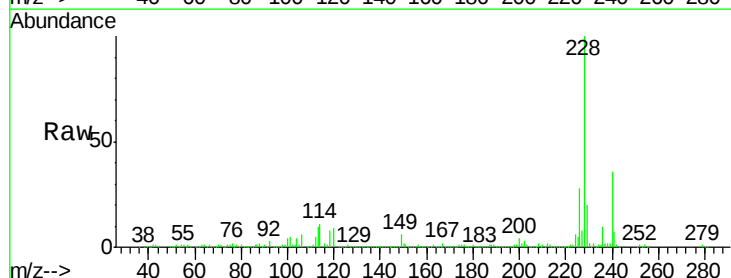
Tgt Ion:228 Resp: 909423

Ion Ratio Lower Upper

228 100

226 27.7 22.8 34.2

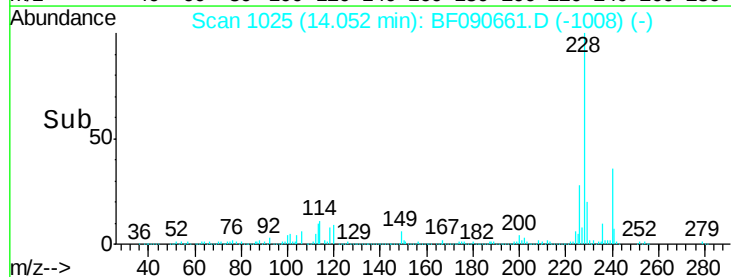
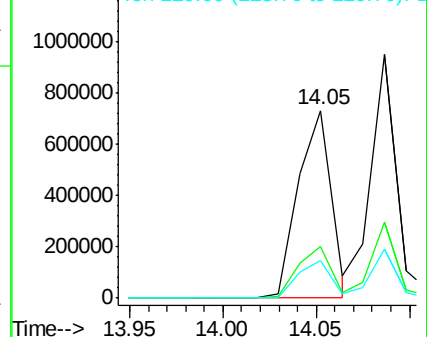
229 19.9 16.6 25.0

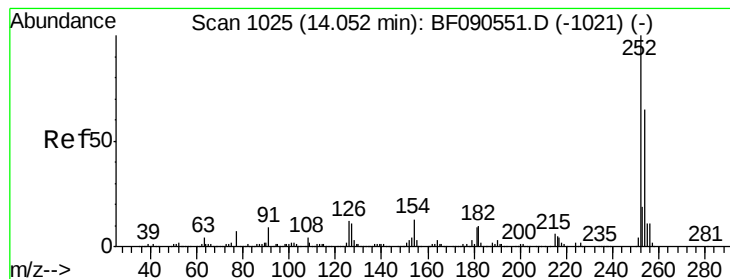


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

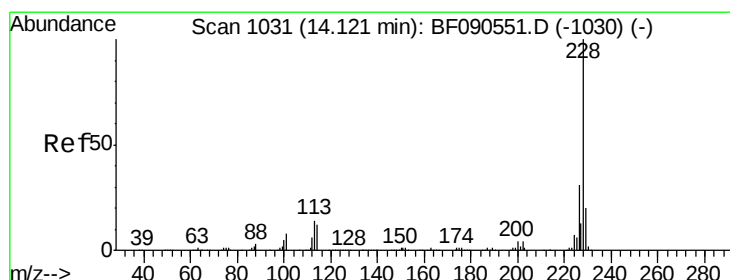
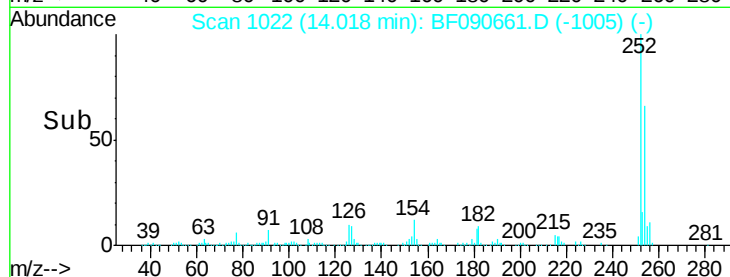
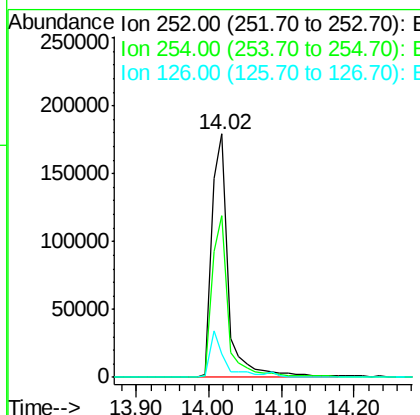
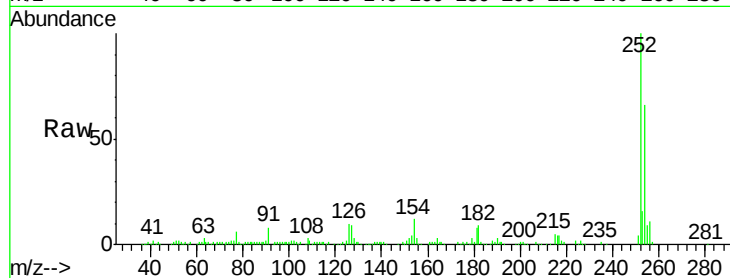




#81
 3,3'-Dichlorobenzidine
 Concen: 27.30 ng
 RT: 14.02 min Scan# 1022
 Delta R.T. -0.00 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

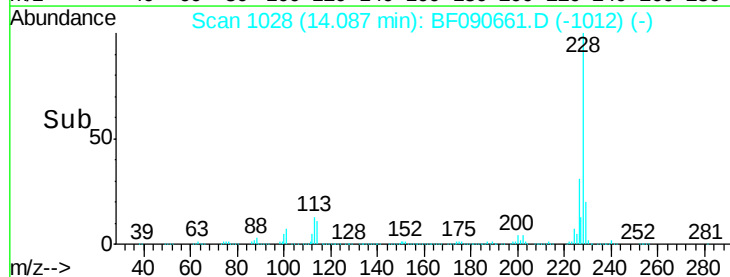
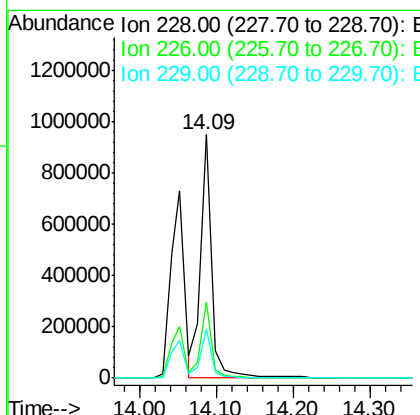
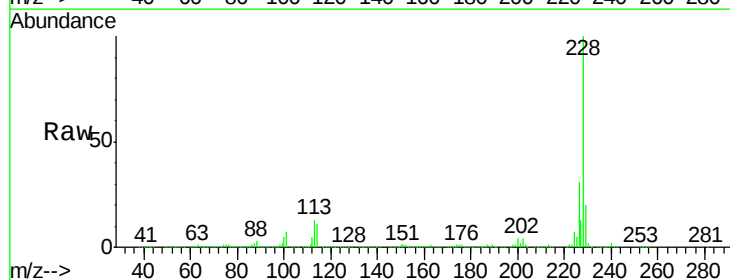
Instrument :
 BNA_F
 ClientSampleId :
 101816-03MSD

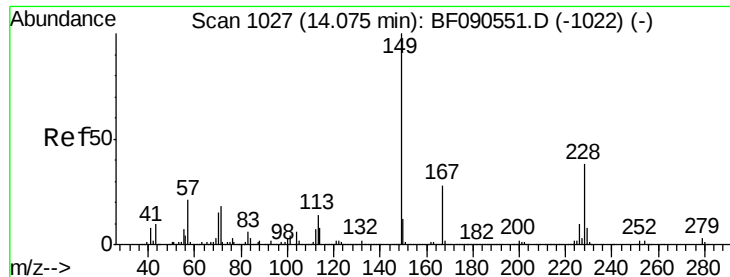
Tgt Ion	Ratio	Lower	Upper
252	100		
254	66.3	52.1	78.1
126	9.8	9.3	13.9



#82
 Chrysene
 Concen: 32.18 ng
 RT: 14.09 min Scan# 1028
 Delta R.T. -0.01 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.8	37.2
229	20.0	16.2	24.4

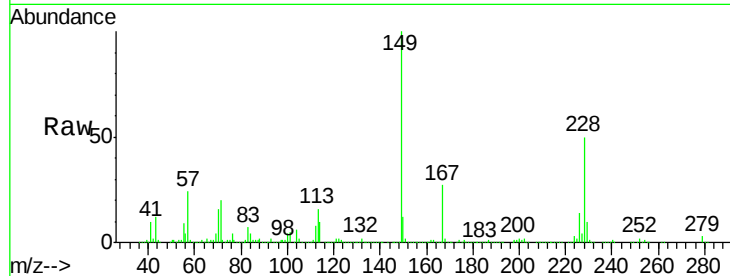




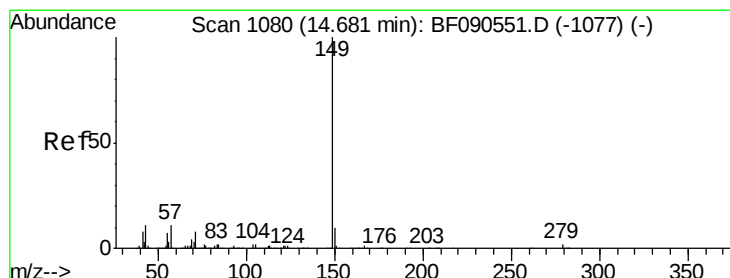
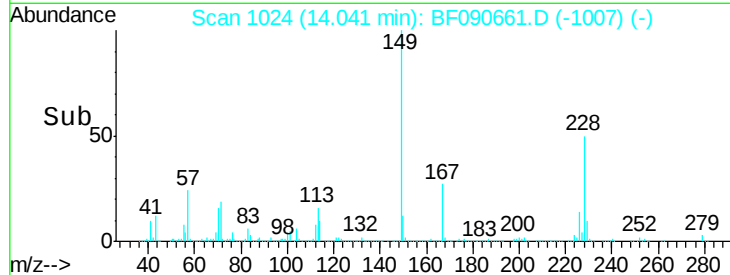
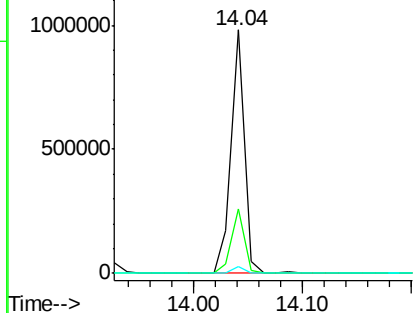
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 39.48 ng
 RT: 14.04 min Scan# 1024
 Delta R.T. -0.00 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Instrument :
 BNA_F
 ClientSampleId :
 101816-03MSD

Tgt Ion:149 Resp: 832446
 Ion Ratio Lower Upper
 149 100
 167 26.7 22.1 33.1
 279 2.8 2.6 4.0

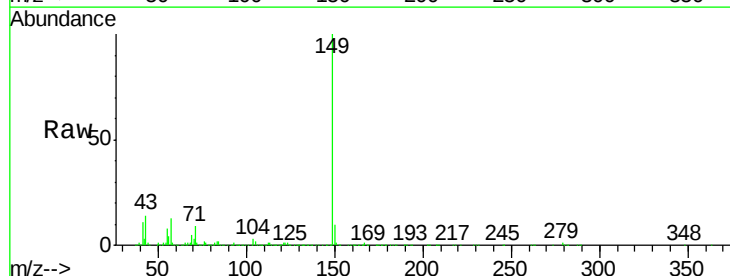


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

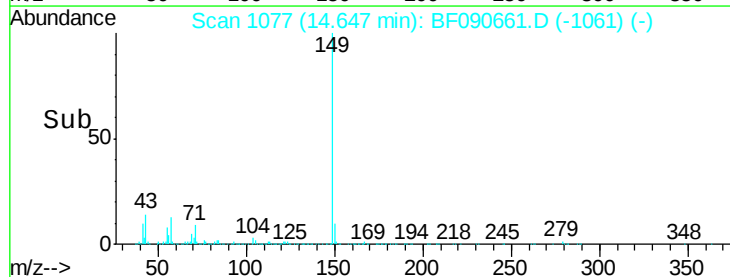
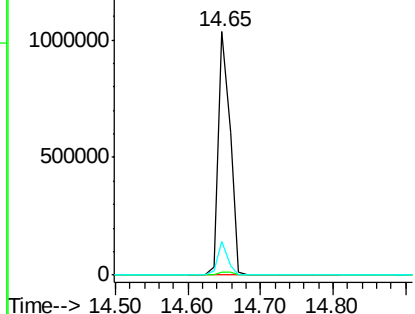


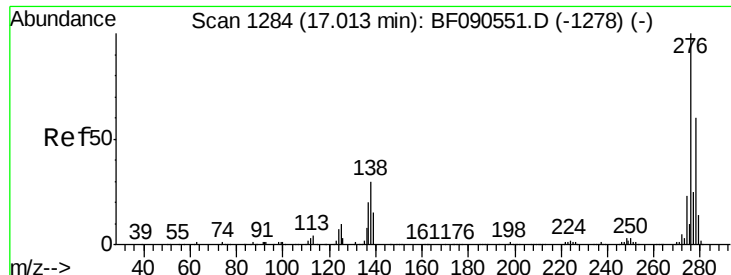
#84
 Di-n-octyl phthalate
 Concen: 41.22 ng
 RT: 14.65 min Scan# 1077
 Delta R.T. -0.01 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Tgt Ion:149 Resp: 1165261
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.2 1.8
 43 11.5 6.7 10.1#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BF0

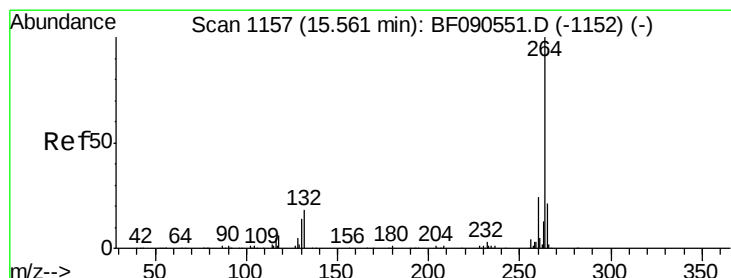
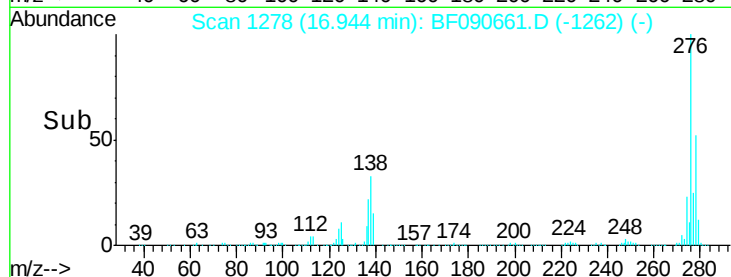
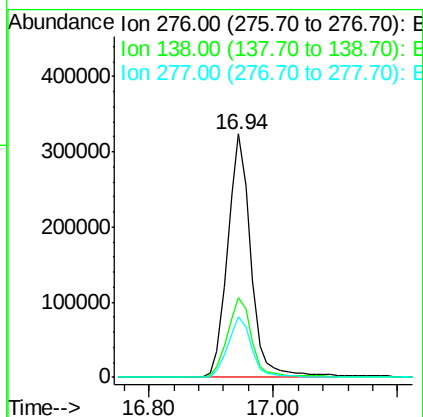
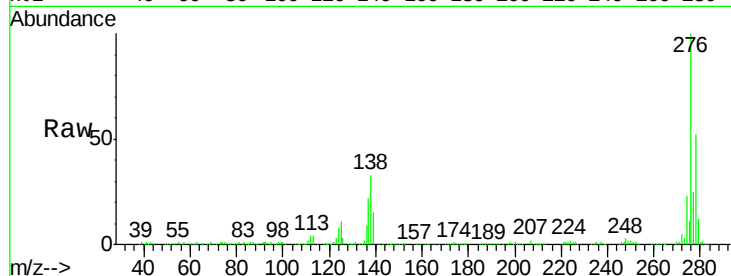




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 49.86 ng
 RT: 16.94 min Scan# 1278
 Delta R.T. -0.01 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

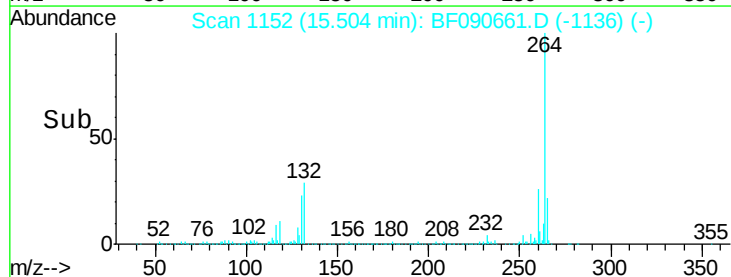
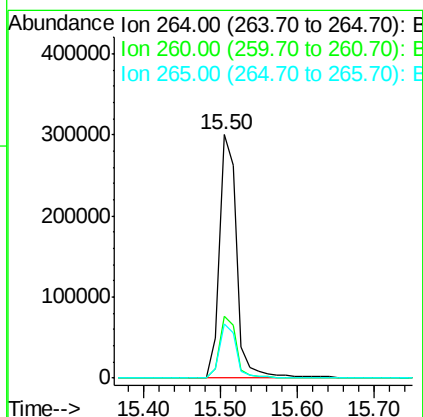
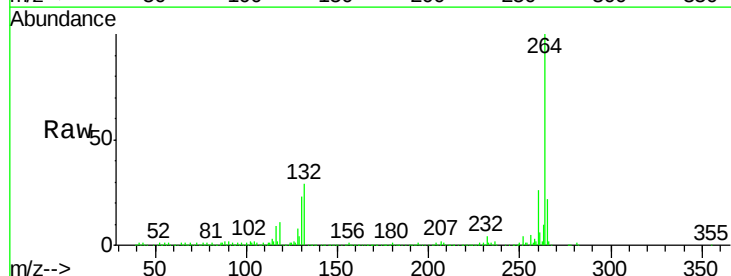
Instrument :
 BNA_F
 ClientSampleId :
 101816-03MSD

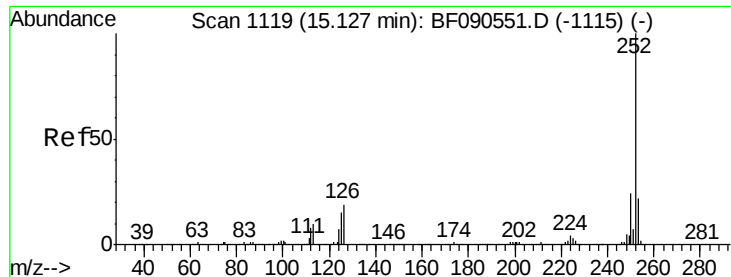
Tgt Ion	Ratio	Lower	Upper
276	100		
138	34.5	25.8	38.6
277	25.3	20.1	30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.50 min Scan# 1152
 Delta R.T. -0.01 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.3	28.9
265	22.0	16.7	25.1





#87

Benzo(b)fluoranthene

Concen: 28.20 ng

RT: 15.09 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

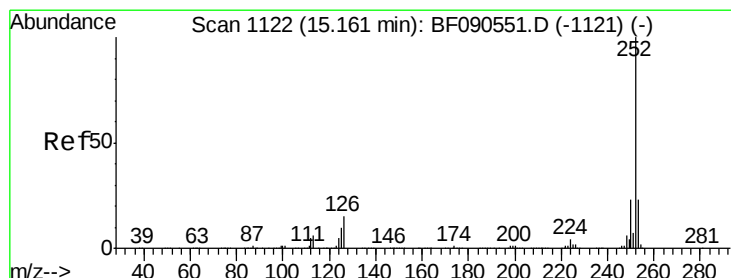
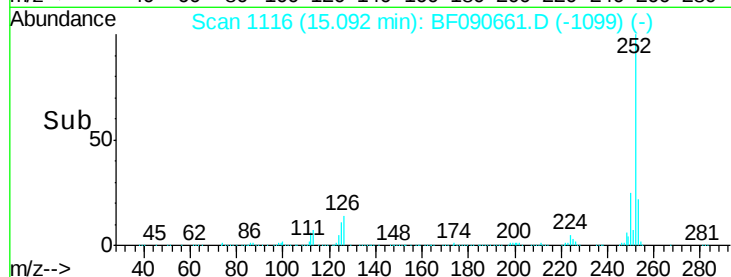
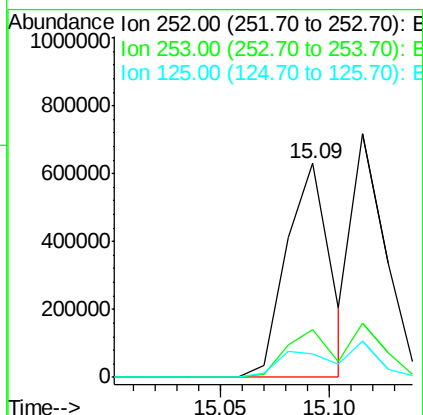
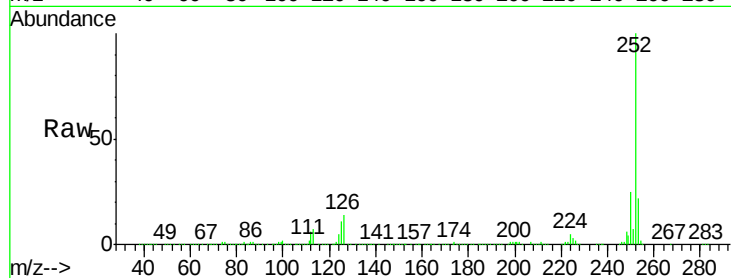
Instrument :

BNA_F

ClientSampleId :

101816-03MSD

Tgt Ion:	252	Resp:	880521
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.8	26.8
125	11.1	12.0	18.0#



#88

Benzo(k)fluoranthene

Concen: 26.21 ng

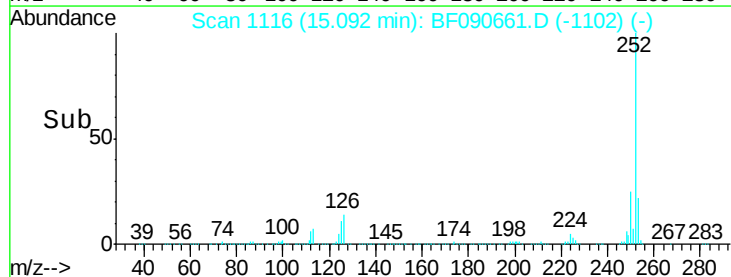
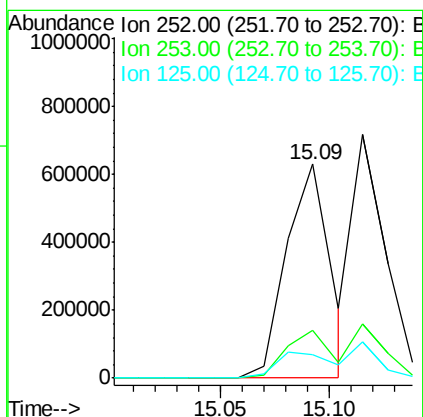
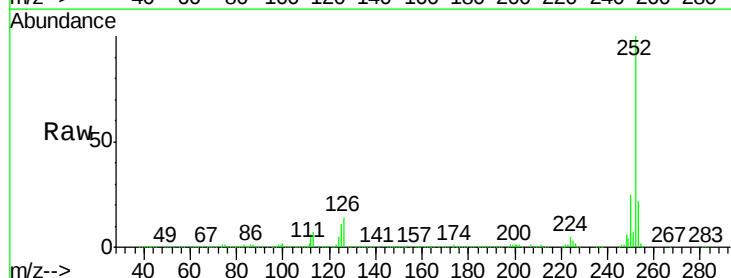
RT: 15.09 min Scan# 1116

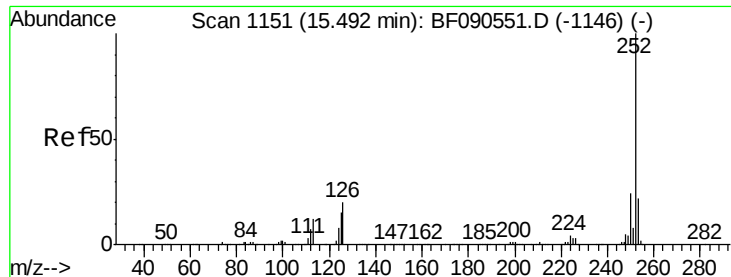
Delta R.T. -0.03 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Tgt Ion:	252	Resp:	880521
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.0	27.0
125	11.1	10.0	15.0





#89

Benzo(a)pyrene

Concen: 28.37 ng

RT: 15.45 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

ClientSampleId :

101816-03MSD

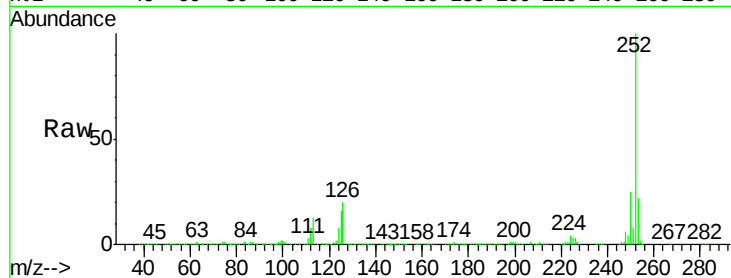
Tgt Ion:252 Resp: 810734

Ion Ratio Lower Upper

252 100

253 22.2 17.9 26.9

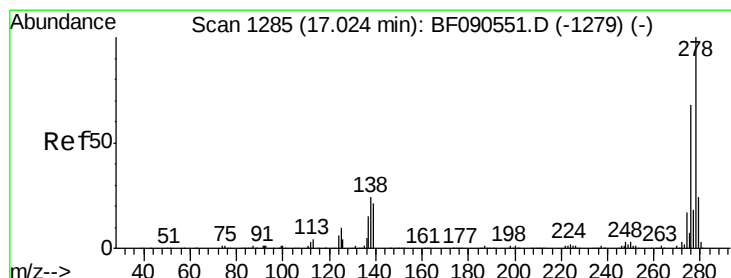
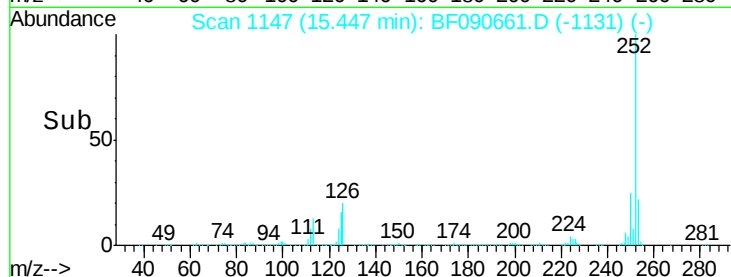
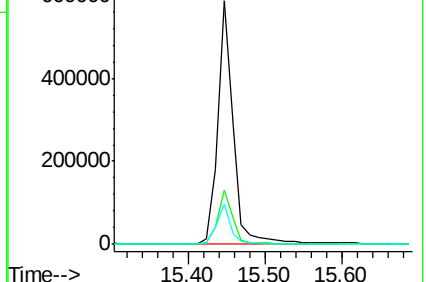
125 16.3 12.3 18.5



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: 33.79 ng

RT: 16.96 min Scan# 1279

Delta R.T. -0.01 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

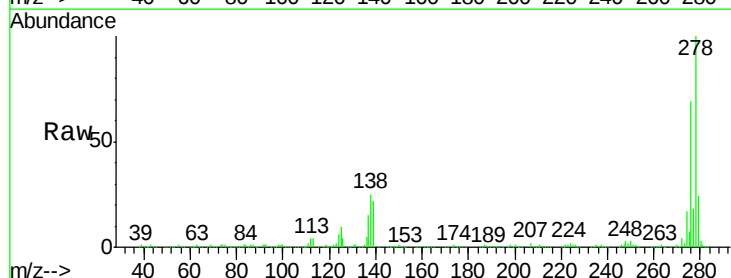
Tgt Ion:278 Resp: 736492

Ion Ratio Lower Upper

278 100

139 22.1 16.6 25.0

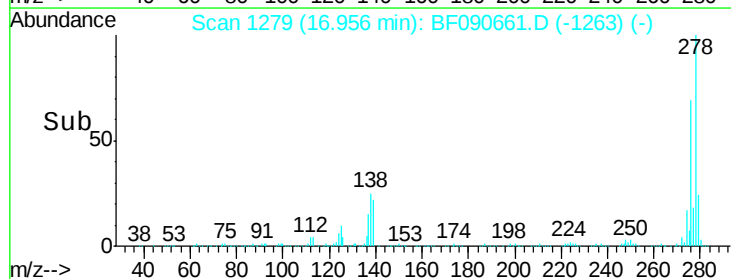
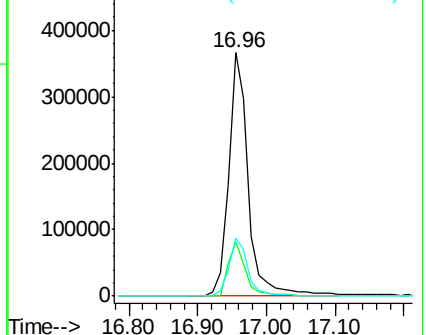
279 23.8 19.1 28.7

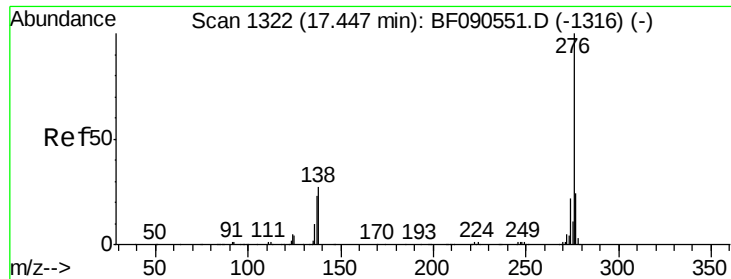


Abundance Ion 278.00 (277.70 to 278.70): E

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: 31.35 ng

RT: 17.38 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF090661.D

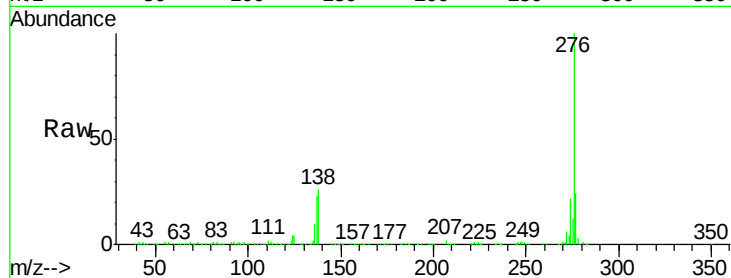
Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

ClientSampleId :

101816-03MSD



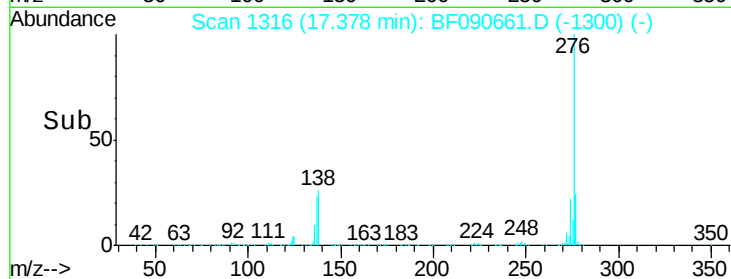
Tgt Ion: 276 Resp: 651556

Ion Ratio Lower Upper

276 100

277 23.8 18.8 28.2

138 26.3 21.8 32.8



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

