

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062415\
 Data File : BF080152.D
 Acq On : 25 Jun 2015 3:06
 Operator : TP/IZ
 Sample : G2747-04MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-76(11-13)MSD

Quant Time: Jun 25 04:34:03 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 25 00:52:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.32	152	52569	20.00	ng	0.00
21) Naphthalene-d8	8.61	136	201226	20.00	ng	0.00
38) Acenaphthene-d10	10.38	164	100598	20.00	ng	0.00
63) Phenanthrene-d10	11.88	188	192021	20.00	ng	-0.01
75) Chrysene-d12	14.79	240	195669	20.00	ng	-0.14
86) Perylene-d12	16.63	264	198700	20.00	ng	-0.21

System Monitoring Compounds

5) 2-Fluorophenol	5.93	112	472213	159.01	ng	0.01
7) Phenol-d6	6.93	99	630006	159.42	ng	0.01
23) Nitrobenzene-d5	7.88	82	379343	109.75	ng	0.00
41) 2,4,6-Tribromophenol	11.18	330	145814	148.23	ng	0.01
44) 2-Fluorobiphenyl	9.68	172	510891	72.42	ng	0.00
78) Terphenyl-d14	13.54	244	482171	57.55	ng	-0.07

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.21	88	49504	35.07	ng	86
3) Pyridine	4.01	79	151488	40.35	ng	# 83
4) n-Nitrosodimethylamine	3.93	42	83386	46.74	ng	92
6) Aniline	6.97	93	146516	26.95	ng	94
8) 2-Chlorophenol	7.10	128	172402	50.23	ng	90
9) Benzaldehyde	6.86	77	98464	43.16	ng	# 76
10) Phenol	6.94	94	233865	54.23	ng	83
11) bis(2-Chloroethyl)ether	7.03	93	158896	46.44	ng	98
12) 1,3-Dichlorobenzene	7.34	146	182469	44.25	ng	97
13) 1,4-Dichlorobenzene	7.34	146	182469	46.53	ng	98
14) 1,2-Dichlorobenzene	7.34	146	182469	47.82	ng	98
15) Benzyl Alcohol	7.44	79	158772	49.14	ng	# 78
16) 2,2'-oxybis(1-Chloropropan	7.58	45	251725	49.56	ng	90
17) 2-Methylphenol	7.54	107	134400	45.84	ng	# 83
18) Hexachloroethane	7.84	117	62419	47.81	ng	# 67
19) n-Nitroso-di-n-propylamine	7.72	70	121736	44.37	ng	# 77
20) 3+4-Methylphenols	7.70	107	189701	50.14	ng	# 86
22) Acetophenone	7.72	105	244399	52.12	ng	# 85
24) Nitrobenzene	7.89	77	175024	49.06	ng	# 60
25) Isophorone	8.13	82	341881	49.15	ng	# 87
26) 2-Nitrophenol	8.22	139	85129	57.01	ng	# 92
27) 2,4-Dimethylphenol	8.24	122	154976	49.77	ng	88
28) bis(2-Chloroethoxy)methane	8.33	93	224724	54.98	ng	# 93
29) 2,4-Dichlorophenol	8.46	162	143861	53.95	ng	95
30) 1,2,4-Trichlorobenzene	8.55	180	151761	50.11	ng	97
31) Naphthalene	8.63	128	548217	52.11	ng	98
32) Benzoic acid	8.30	122	66948	35.56	ng	# 62
33) 4-Chloroaniline	8.66	127	75081	16.68	ng	# 89
34) Hexachlorobutadiene	8.74	225	95188	51.05	ng	98
35) Caprolactam	9.01	113	45198	52.22	ng	# 79
36) 4-Chloro-3-methylphenol	9.14	107	144686	48.10	ng	99
37) 2-Methylnaphthalene	9.33	142	361009	53.05	ng	# 93
39) 1,2,4,5-Tetrachlorobenzene	9.50	216	151970	51.91	ng	98
40) Hexachlorocyclopentadiene	9.49	237	59197	42.48	ng	98

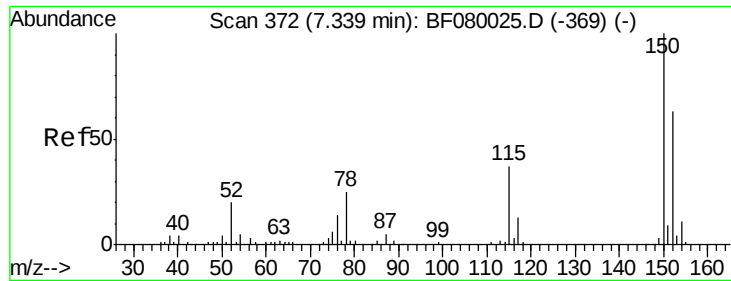
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.60	196	112535	56.50	ng	99
43) 2,4,5-Trichlorophenol	9.64	196	114142	49.74	ng #	93
45) 1,1'-Biphenyl	9.78	154	400395	48.92	ng	93
46) 2-Chloronaphthalene	9.82	162	339433	51.11	ng	96
47) 2-Nitroaniline	9.90	65	96550	52.96	ng #	66
48) Acenaphthylene	10.24	152	601611	54.28	ng	97
49) Dimethylphthalate	10.07	163	468052	61.89	ng #	96
50) 2,6-Dinitrotoluene	10.14	165	80468	53.07	ng #	59
51) Acenaphthene	10.41	154	334766	49.37	ng	91
52) 3-Nitroaniline	10.31	138	60559	34.62	ng #	66
53) 2,4-Dinitrophenol	10.41	184	23550	41.21	ng #	1
54) Dibenzofuran	10.58	168	481297	50.02	ng #	91
55) 4-Nitrophenol	10.46	139	142961	102.24	ng #	52
56) 2,4-Dinitrotoluene	10.55	165	123137	64.00	ng #	94
57) Fluorene	10.93	166	376019	49.25	ng	92
58) 2,3,4,6-Tetrachlorophenol	10.70	232	102109	52.70	ng	96
59) Diethylphthalate	10.78	149	388304	50.99	ng	99
60) 4-Chlorophenyl-phenylether	10.92	204	188396	51.35	ng	96
61) 4-Nitroaniline	10.93	138	74294	41.12	ng #	59
62) Azobenzene	11.08	77	389778	50.28	ng	90
64) 4,6-Dinitro-2-methylphenol	10.96	198	22812	28.43	ng	89
65) n-Nitrosodiphenylamine	11.03	169	335436	53.65	ng	92
66) 4-Bromophenyl-phenylether	11.41	248	106553	52.19	ng #	90
67) Hexachlorobenzene	11.49	284	112992	49.80	ng #	79
68) Atrazine	11.54	200	102292	51.78	ng	83
69) Pentachlorophenol	11.68	266	139696	108.64	ng	99
70) Phenanthrene	11.91	178	623620	53.64	ng	97
71) Anthracene	11.96	178	571368	51.04	ng	97
72) Carbazole	12.10	167	483331	45.23	ng	95
73) Di-n-butylphthalate	12.44	149	643345	52.10	ng #	99
74) Fluoranthene	13.16	202	667500	53.91	ng	89
76) Benzidine	13.28	184	152186	27.83	ng #	97
77) Pyrene	13.41	202	744584	61.81	ng	96
79) Butylbenzylphthalate	14.07	149	275276	56.90	ng #	72
80) Benzo(a)anthracene	14.78	228	699670	58.70	ng #	92
81) 3,3'-Dichlorobenzidine	14.72	252	164080	39.91	ng #	94
82) Chrysene	14.78	228	699670	63.65	ng	94
83) Bis(2-ethylhexyl)phthalate	14.75	149	447819	58.57	ng #	95
84) Di-n-octyl phthalate	15.52	149	754904	57.62	ng #	94
85) Indeno(1,2,3-cd)pyrene	18.47	276	672880	48.54	ng #	89
87) Benzo(b)fluoranthene	16.09	252	756572	62.89	ng #	88
88) Benzo(k)fluoranthene	16.13	252	524173	42.79	ng #	89
89) Benzo(a)pyrene	16.67	252	29813	2.61	ng	95
90) Dibenzo(a,h)anthracene	18.49	278	528079	45.16	ng #	82
91) Benzo(g,h,i)perylene	19.03	276	574127	48.62	ng #	79

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.32 min Scan# 370

Delta R.T. -0.00 min

Lab File: BF080152.D

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SB-76(11-13)MSD

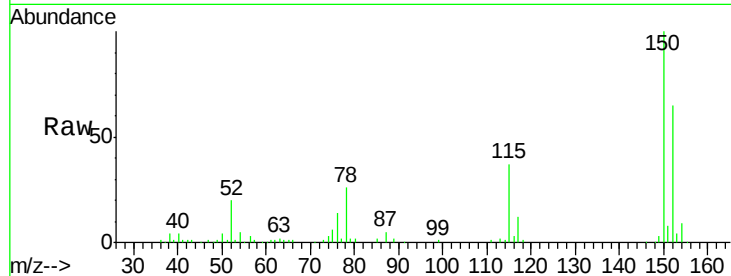
Tgt Ion:152 Resp: 52569

Ion Ratio Lower Upper

152 100

150 154.6 124.7 187.1

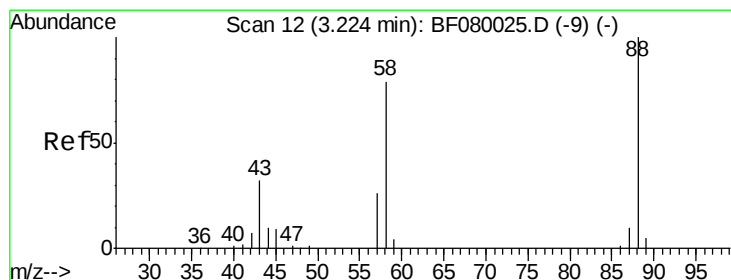
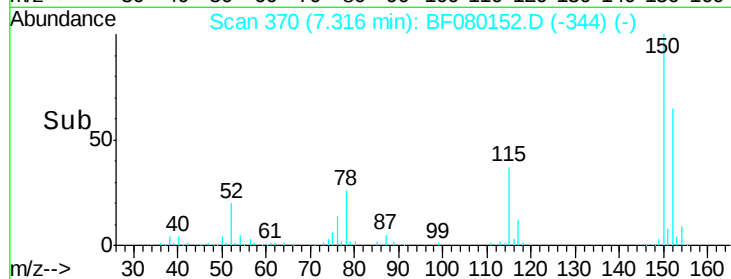
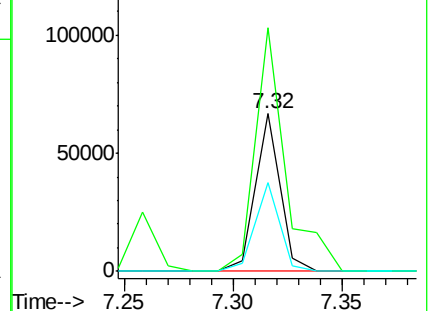
115 56.6 39.0 58.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 35.07 ng

RT: 3.21 min Scan# 11

Delta R.T. 0.03 min

Lab File: BF080152.D

Acq: 25 Jun 2015 3:06

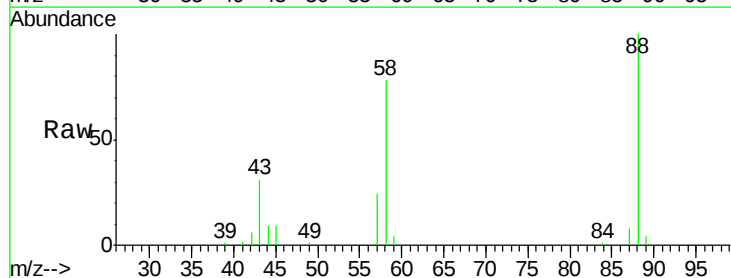
Tgt Ion: 88 Resp: 49504

Ion Ratio Lower Upper

88 100

58 80.8 77.7 116.5

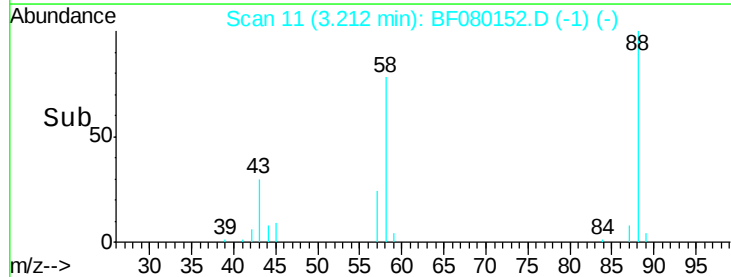
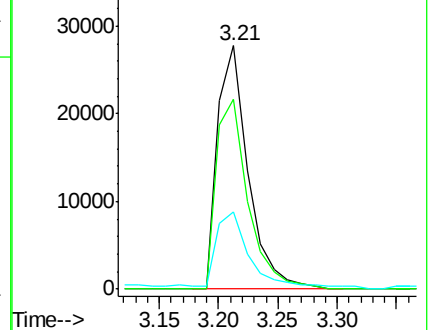
43 36.1 26.6 40.0

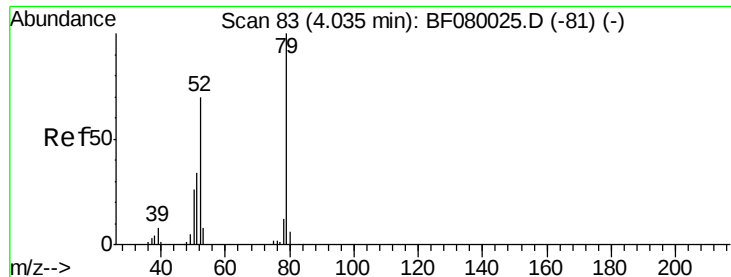


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 40.35 ng

RT: 4.01 min Scan# 81

Delta R.T. 0.01 min

Lab File: BF080152.D

Acq: 25 Jun 2015 3:06

Instrument :

BNA_F

ClientSampleId :

SB-76(11-13)MSD

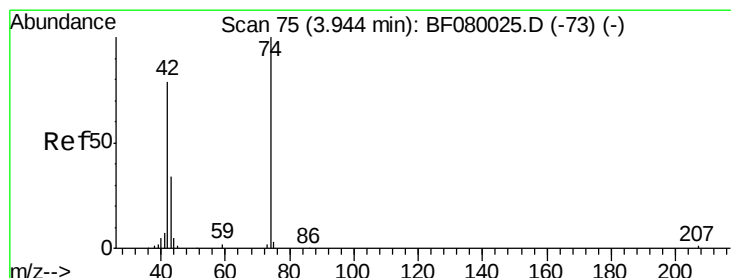
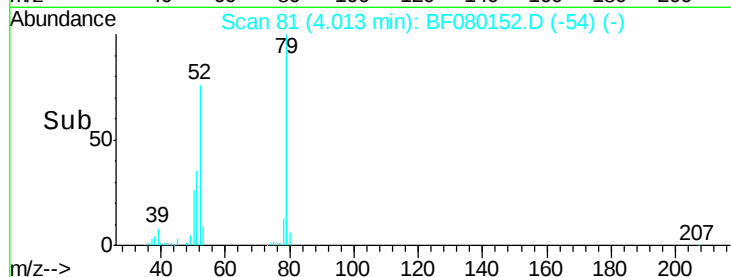
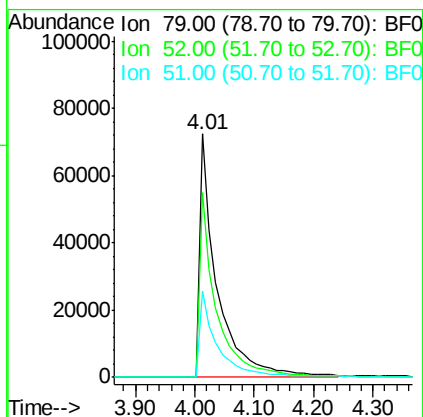
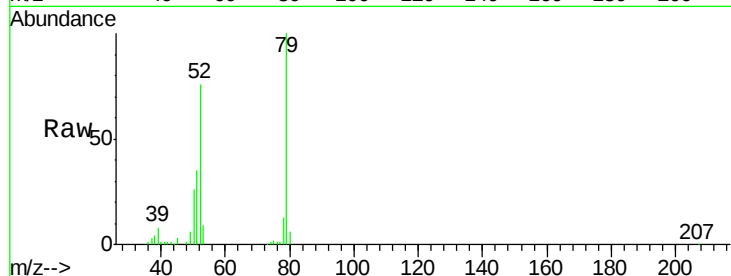
Tgt Ion: 79 Resp: 151488

Ion Ratio Lower Upper

79 100

52 75.9 76.8 115.2#

51 35.2 32.2 48.4



#4

n-Nitrosodimethylamine

Concen: 46.74 ng

RT: 3.93 min Scan# 74

Delta R.T. 0.02 min

Lab File: BF080152.D

Acq: 25 Jun 2015 3:06

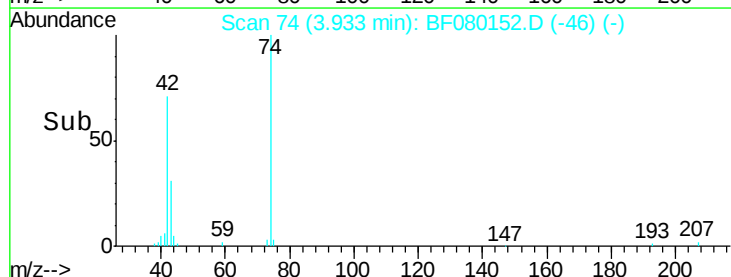
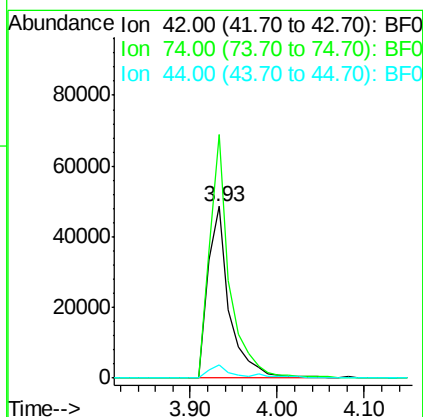
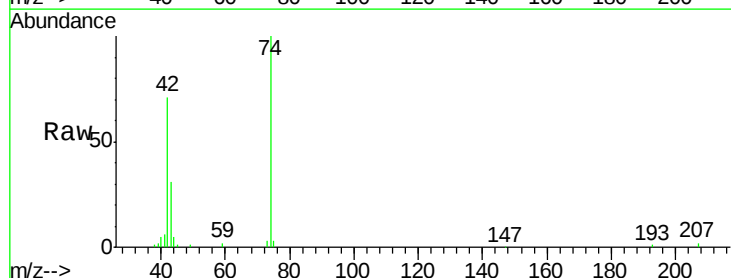
Tgt Ion: 42 Resp: 83386

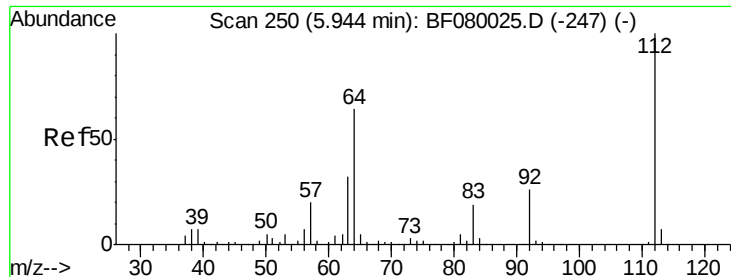
Ion Ratio Lower Upper

42 100

74 141.7 105.0 157.6

44 7.6 6.6 10.0





#5

2-Fluorophenol

Concen: 159.01 ng

RT: 5.93 min Scan# 249

Delta R.T. 0.01 min

Lab File: BF080152.D

Acq: 25 Jun 2015 3:06

Instrument :

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ClientSampleId :

SB-76(11-13)MSD

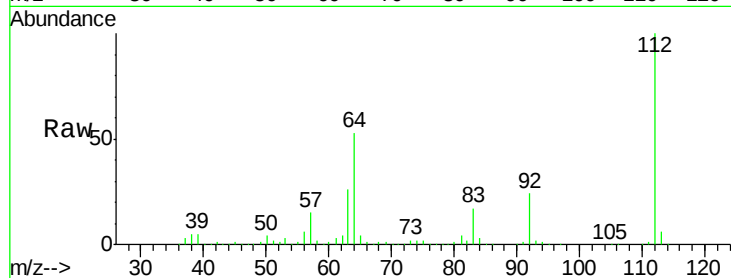
Tgt Ion: 112 Resp: 472213

Ion Ratio Lower Upper

112 100

64 52.6 39.7 59.5

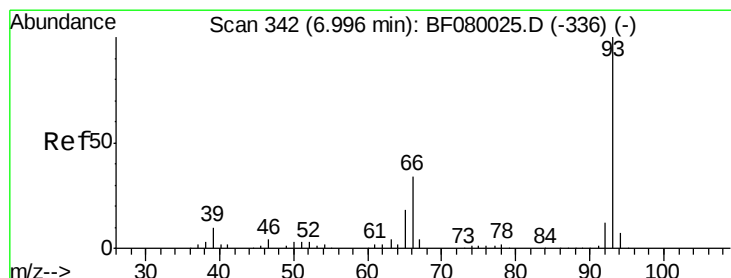
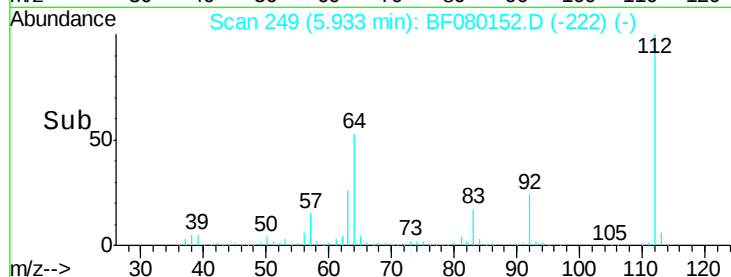
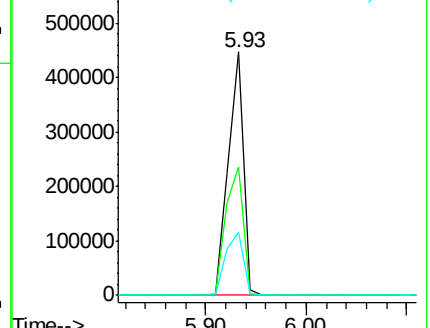
63 26.0 17.4 26.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 26.95 ng

RT: 6.97 min Scan# 340

Delta R.T. -0.00 min

Lab File: BF080152.D

Acq: 25 Jun 2015 3:06

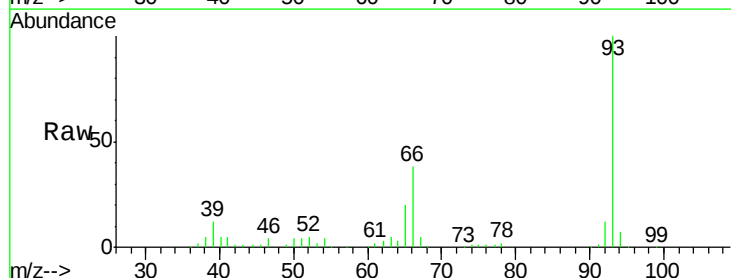
Tgt Ion: 93 Resp: 146516

Ion Ratio Lower Upper

93 100

66 38.1 27.2 40.8

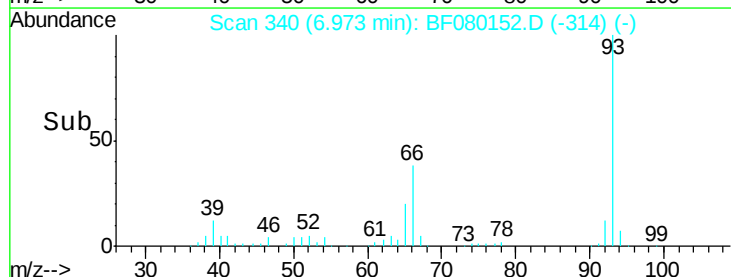
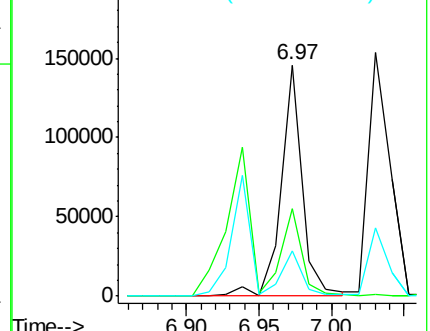
65 19.6 14.7 22.1



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 159.42 ng

RT: 6.93 min Scan# 336

Delta R.T. 0.01 min

Lab File: BF080152.D

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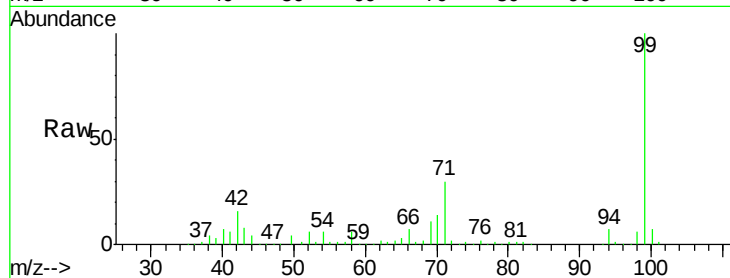
Tgt Ion: 99 Resp: 630006

Ion Ratio Lower Upper

99 100

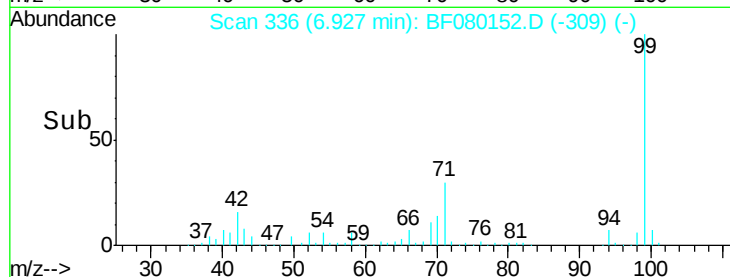
42 15.7 13.7 20.5

71 29.8 14.2 21.2#

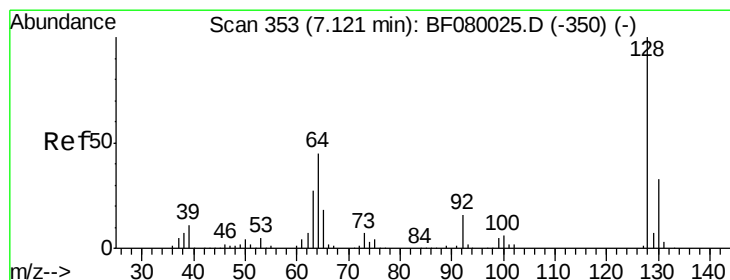


Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0

6.93



Time-->



#8

2-Chlorophenol

Concen: 50.23 ng

RT: 7.10 min Scan# 351

Delta R.T. -0.00 min

Lab File: BF080152.D

Acq: 25 Jun 2015 3:06

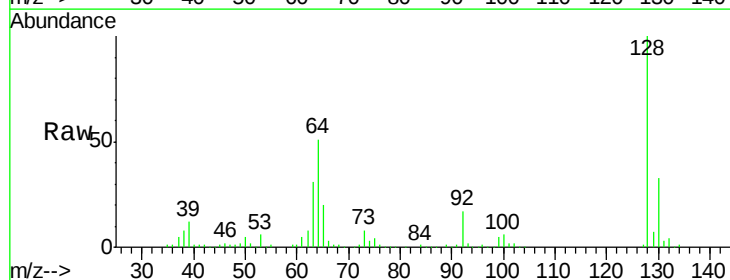
Tgt Ion: 128 Resp: 172402

Ion Ratio Lower Upper

128 100

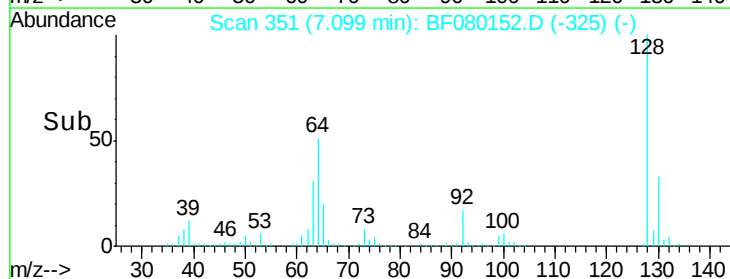
130 32.9 12.2 52.2

64 51.4 20.5 60.5

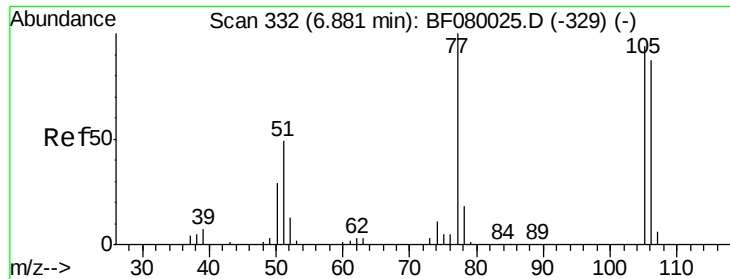


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0

7.10



Time-->



#9

Benzaldehyde

Concen: 43.16 ng

RT: 6.86 min Scan# 330

Delta R.T. -0.00 min

Lab File: BF080152.D

Acq: 25 Jun 2015 3:06

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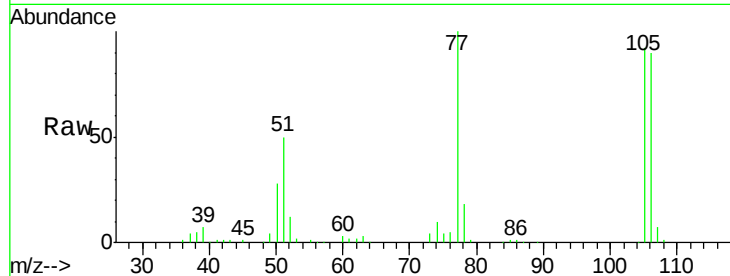
Tgt Ion: 77 Resp: 98464

Ion Ratio Lower Upper

77 100

105 91.8 91.6 131.6

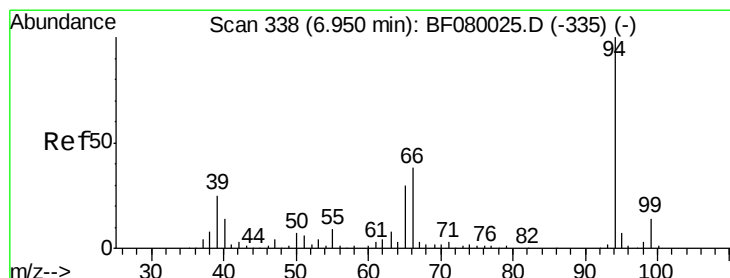
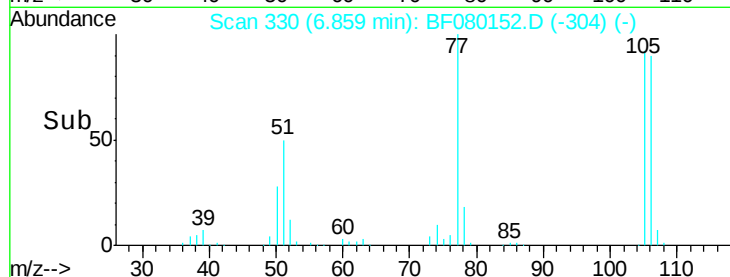
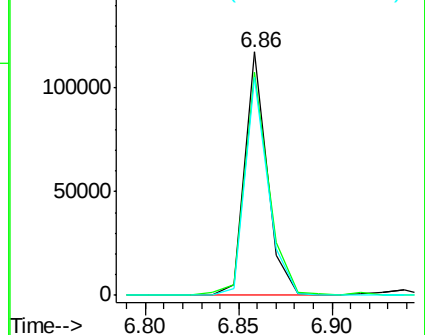
106 89.8 102.6 142.6#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#10

Phenol

Concen: 54.23 ng

RT: 6.94 min Scan# 337

Delta R.T. 0.01 min

Lab File: BF080152.D

Acq: 25 Jun 2015 3:06

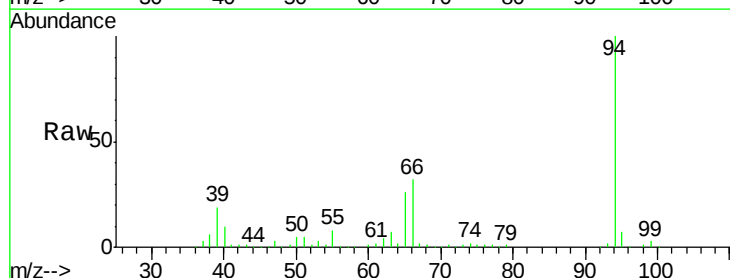
Tgt Ion: 94 Resp: 233865

Ion Ratio Lower Upper

94 100

65 25.8 0.7 40.7

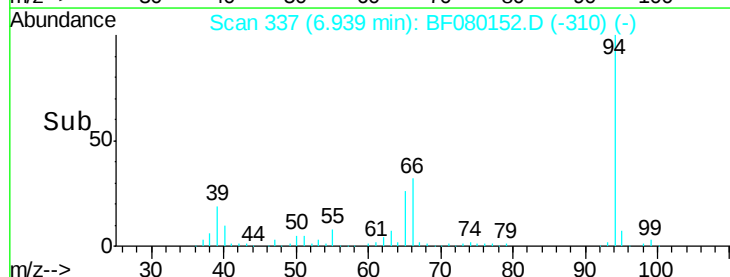
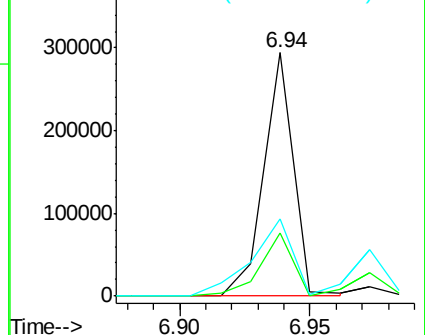
66 31.9 0.8 40.8

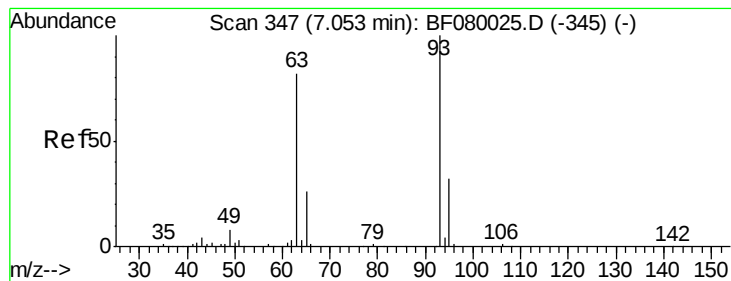


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 46.44 ng

RT: 7.03 min Scan# 345

Delta R.T. -0.00 min

Lab File: BF080152.D

Acq: 25 Jun 2015 3:06

Instrument :

BNA_F

ClientSampleId :

SB-76(11-13)MSD

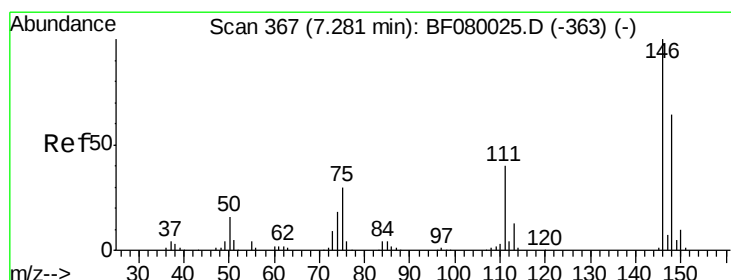
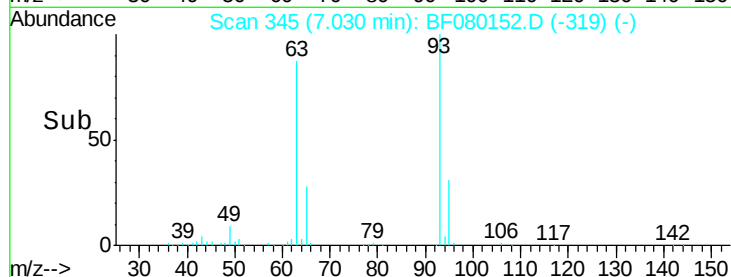
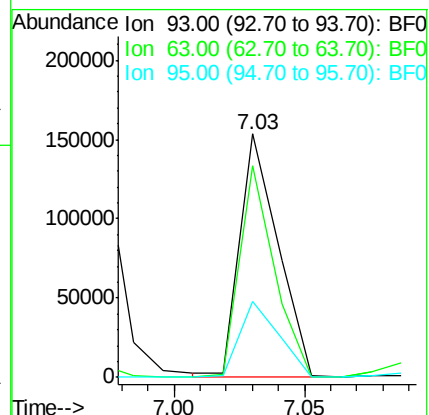
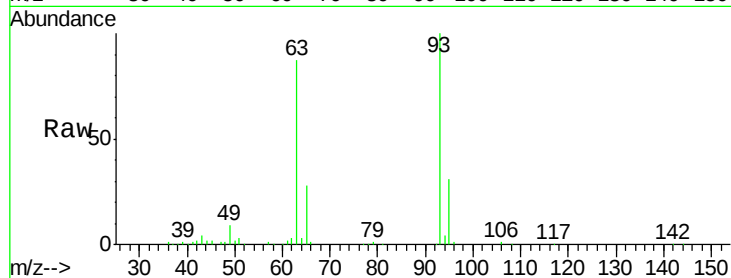
Tgt Ion: 93 Resp: 158896

Ion Ratio Lower Upper

93 100

63 87.1 65.6 105.6

95 31.4 13.6 53.6



#12

1,3-Dichlorobenzene

Concen: 44.25 ng

RT: 7.34 min Scan# 372

Delta R.T. 0.08 min

Lab File: BF080152.D

Acq: 25 Jun 2015 3:06

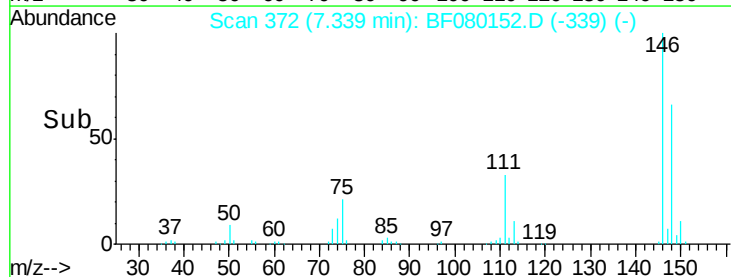
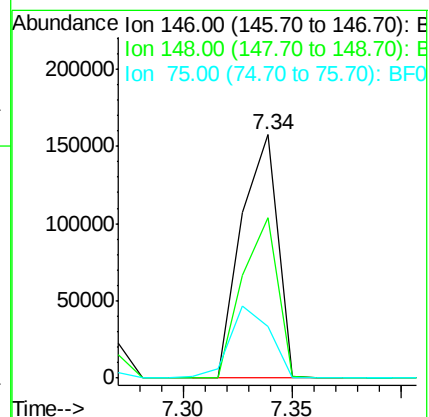
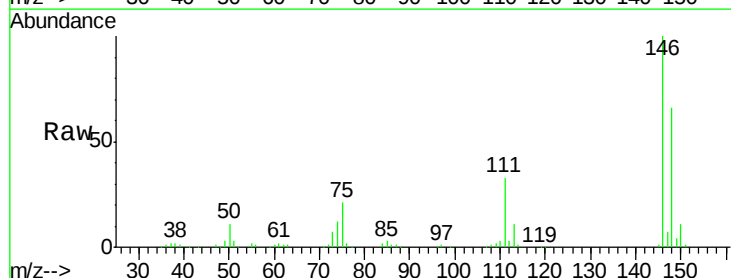
Tgt Ion: 146 Resp: 182469

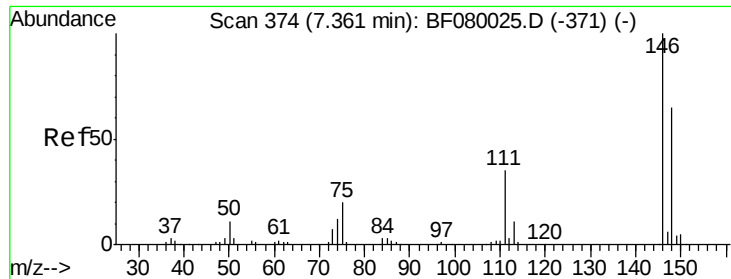
Ion Ratio Lower Upper

146 100

148 65.7 51.0 76.4

75 21.2 15.0 22.6

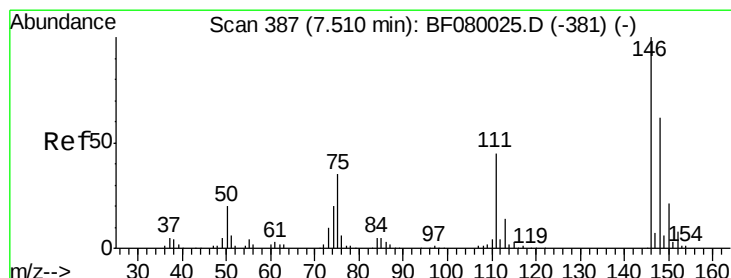
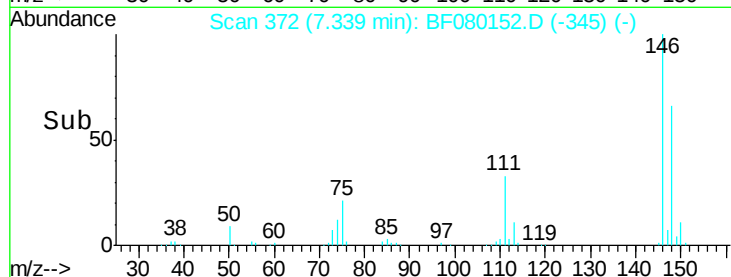
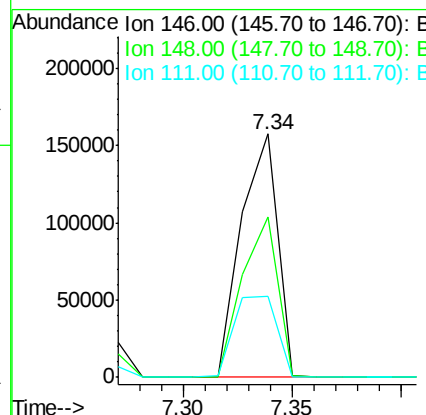
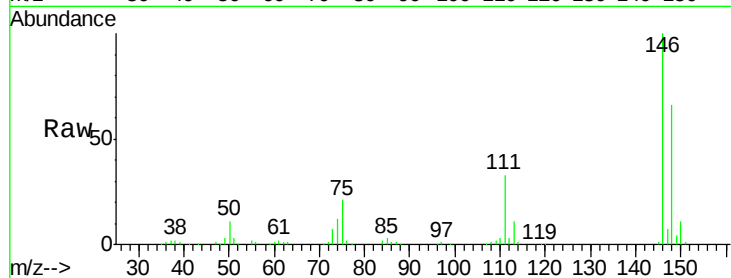




#13
 1,4-Dichlorobenzene
 Concen: 46.53 ng
 RT: 7.34 min Scan# 372
 Delta R.T. 0.01 min
 Lab File: BF080152.D
 Acq: 25 Jun 2015 3:06

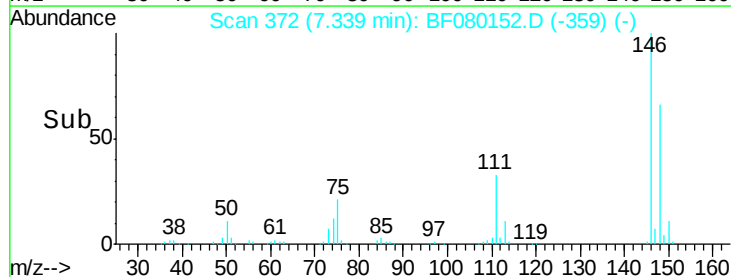
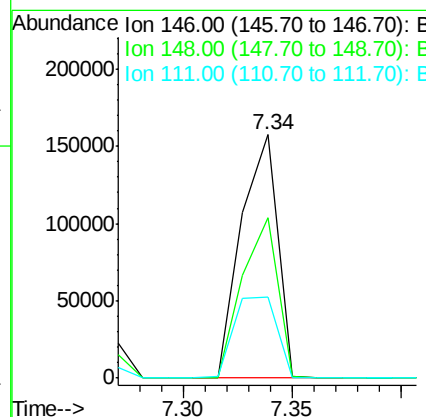
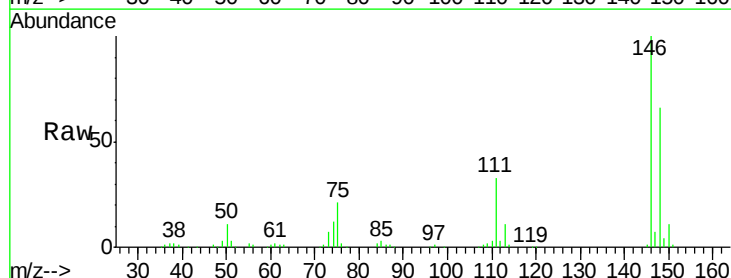
Instrument :
 BNA_F
 ClientSampleId :
 SB-76(11-13)MSD

Tgt Ion:146 Resp: 182469
 Ion Ratio Lower Upper
 146 100
 148 65.7 51.8 77.6
 111 33.3 24.9 37.3



#14
 1,2-Dichlorobenzene
 Concen: 47.82 ng
 RT: 7.34 min Scan# 372
 Delta R.T. -0.15 min
 Lab File: BF080152.D
 Acq: 25 Jun 2015 3:06

Tgt Ion:146 Resp: 182469
 Ion Ratio Lower Upper
 146 100
 148 65.7 52.7 79.1
 111 33.3 28.8 43.2





#15

Benzyl Alcohol

Concen: 49.14 ng

RT: 7.44 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF080152.D

Acq: 25 Jun 2015 3:06

Instrument :

BNA_F

ClientSampleId :

SB-76(11-13)MSD

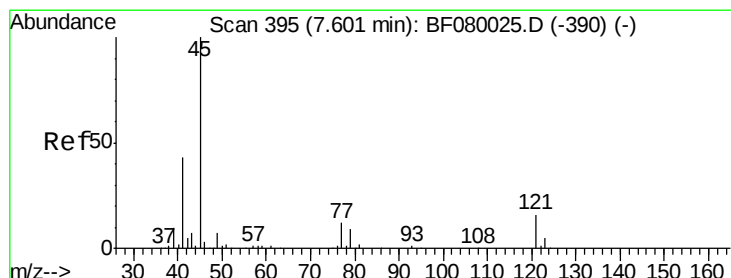
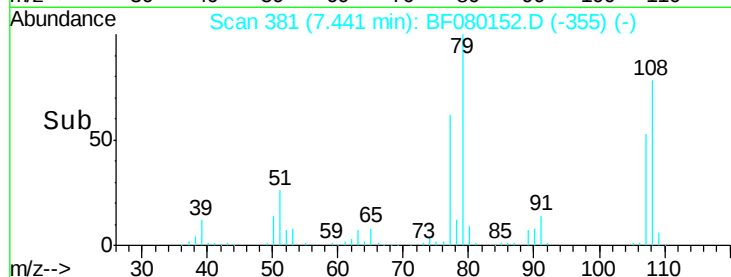
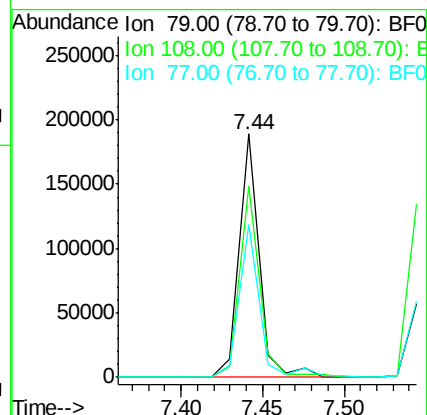
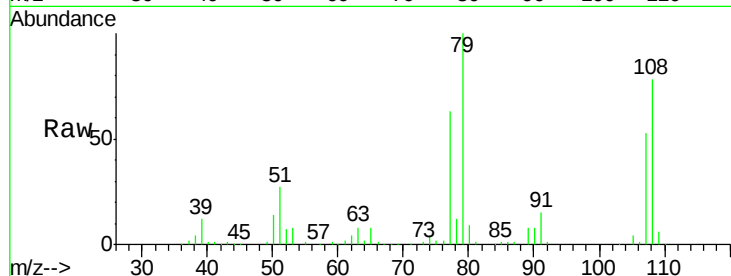
Tgt Ion: 79 Resp: 158772

Ion Ratio Lower Upper

79 100

108 78.3 88.6 132.8#

77 62.7 47.0 70.4



#16

2,2'-oxybis(1-Chloropropane)

Concen: 49.56 ng

RT: 7.58 min Scan# 393

Delta R.T. -0.00 min

Lab File: BF080152.D

Acq: 25 Jun 2015 3:06

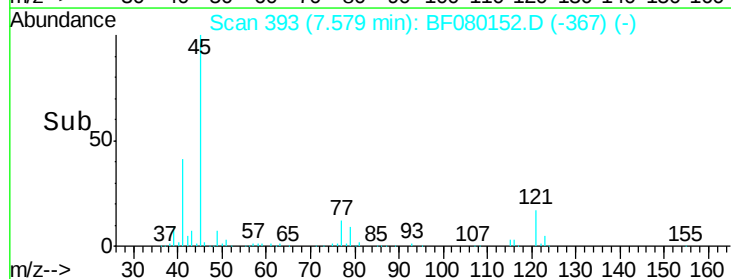
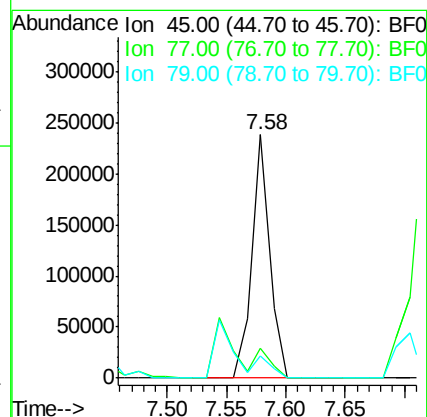
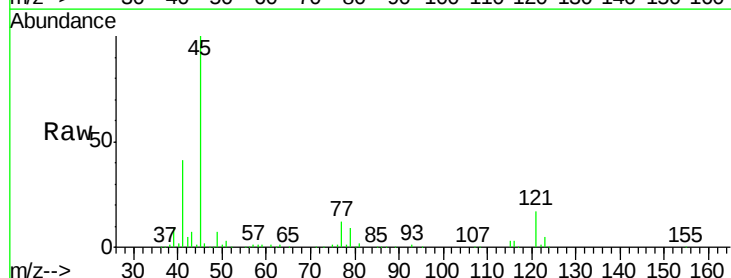
Tgt Ion: 45 Resp: 251725

Ion Ratio Lower Upper

45 100

77 12.1 0.0 28.1

79 9.2 0.0 26.0

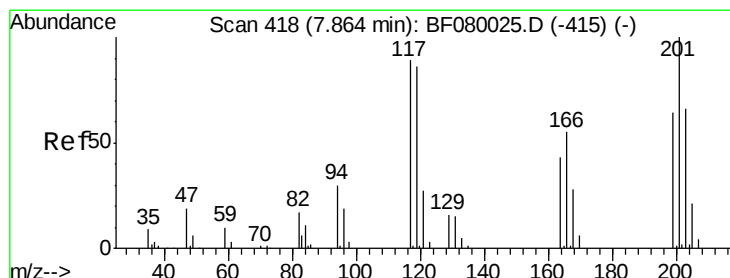
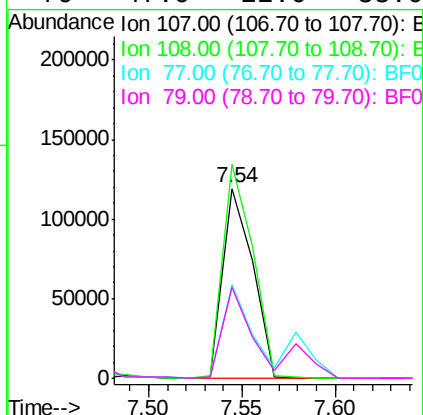
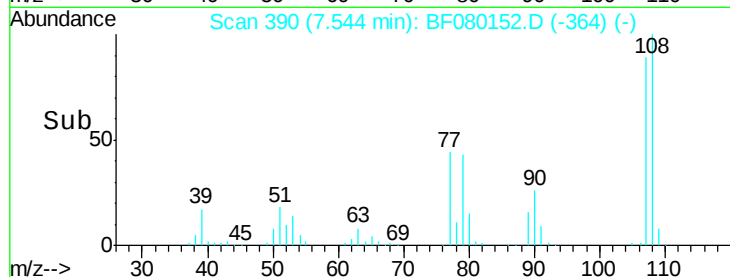
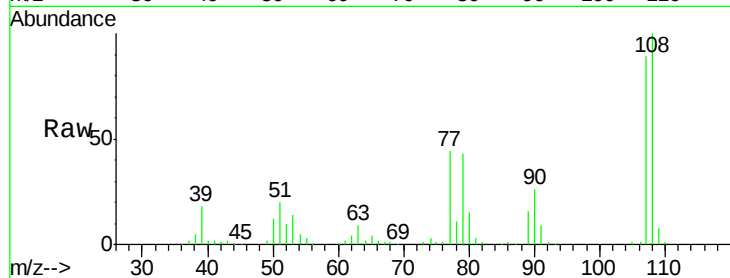




#17
2-Methylphenol
Concen: 45.84 ng
RT: 7.54 min Scan# 390
Delta R.T. -0.00 min
Lab File: BF080152.D
Acq: 25 Jun 2015 3:06

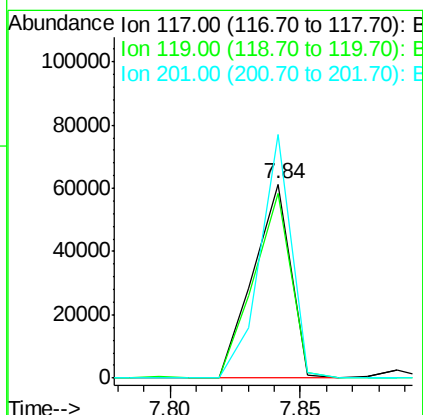
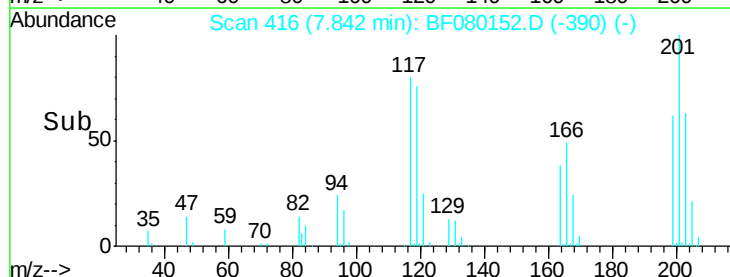
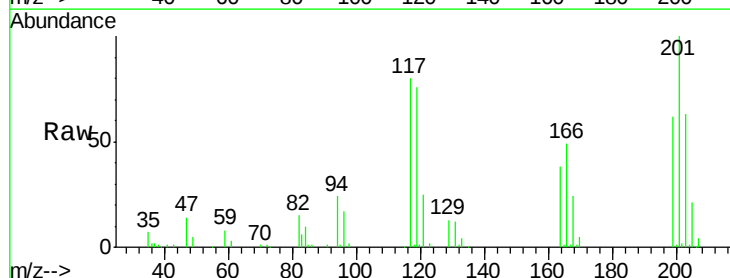
Instrument :
BNA_F
ClientSampleId :
SB-76(11-13)MSD

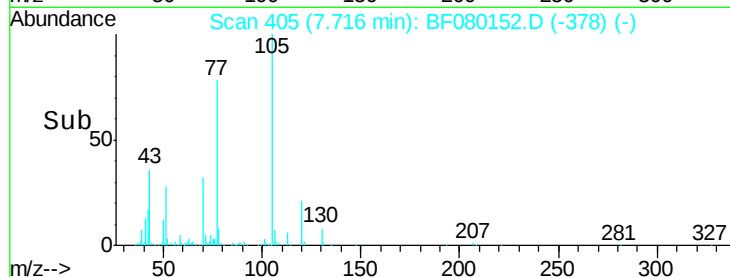
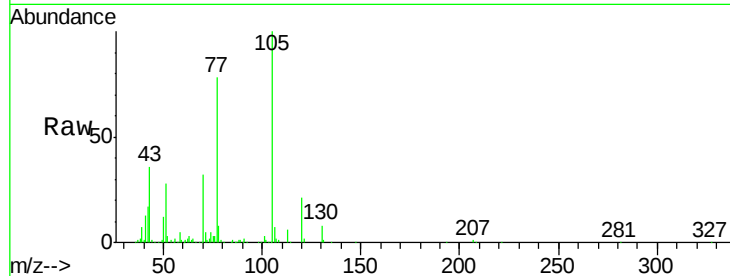
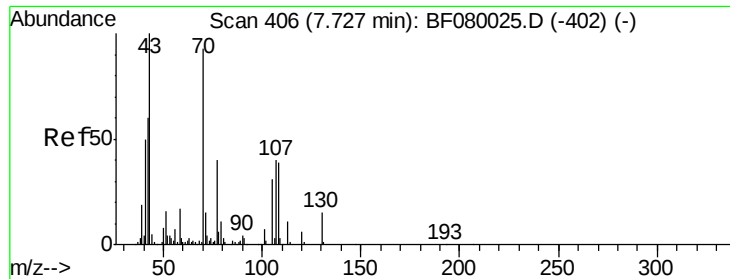
Tgt Ion:107 Resp: 134400
Ion Ratio Lower Upper
107 100
108 112.5 96.6 145.0
77 49.3 23.3 34.9#
79 47.9 22.0 33.0#



#18
Hexachloroethane
Concen: 47.81 ng
RT: 7.84 min Scan# 416
Delta R.T. -0.00 min
Lab File: BF080152.D
Acq: 25 Jun 2015 3:06

Tgt Ion:117 Resp: 62419
Ion Ratio Lower Upper
117 100
119 95.4 83.8 125.6
201 125.4 55.1 82.7#

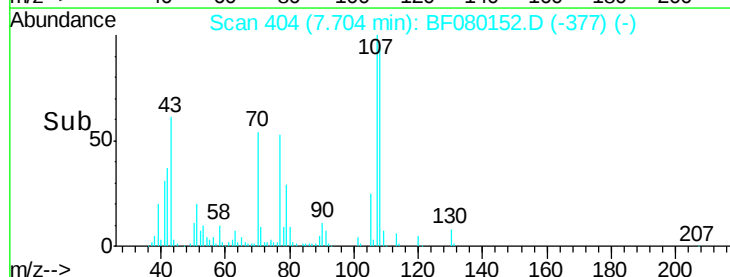
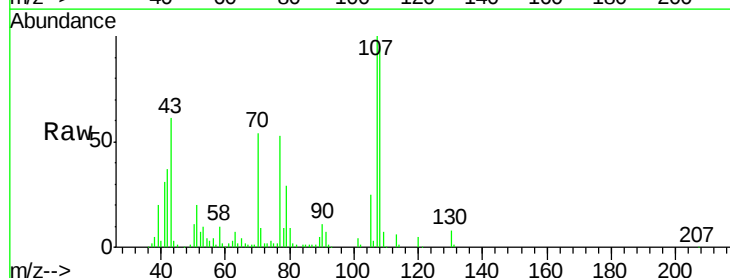
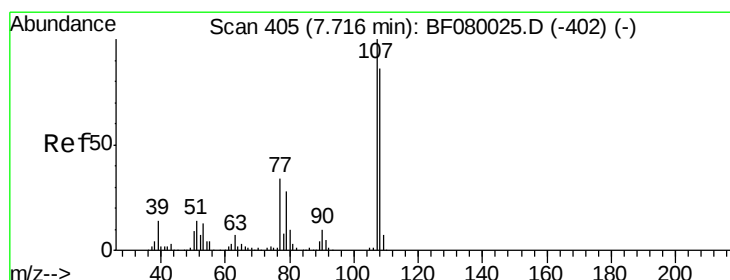
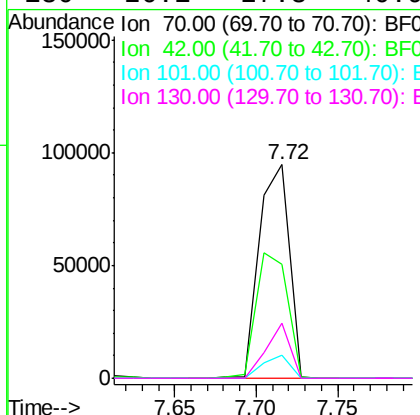




#19
n-Nitroso-di-n-propylamine
Concen: 44.37 ng
RT: 7.72 min Scan# 405
Delta R.T. 0.01 min
Lab File: BF080152.D
Acq: 25 Jun 2015 3:06

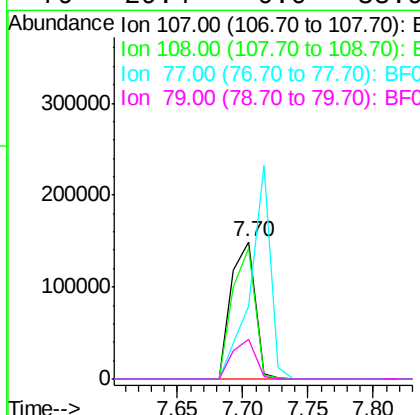
Instrument :
BNA_F
ClientSampleId :
SB-76(11-13)MSD

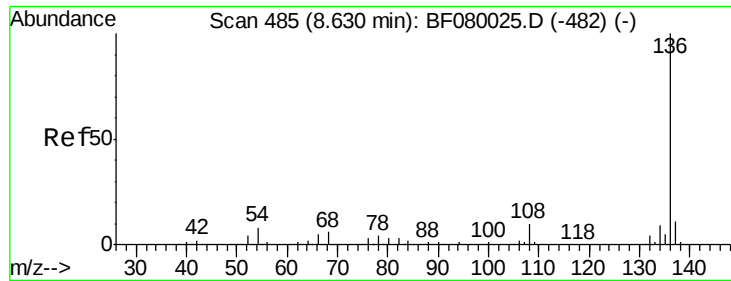
Tgt Ion: 70 Resp: 121736
Ion Ratio Lower Upper
70 100
42 53.4 63.8 95.6#
101 10.6 9.2 13.8
130 26.1 27.3 40.9#



#20
3+4-Methylphenols
Concen: 50.14 ng
RT: 7.70 min Scan# 404
Delta R.T. 0.01 min
Lab File: BF080152.D
Acq: 25 Jun 2015 3:06

Tgt Ion: 107 Resp: 189701
Ion Ratio Lower Upper
107 100
108 94.9 74.6 114.6
77 52.9 0.7 40.7#
79 29.4 0.0 38.9

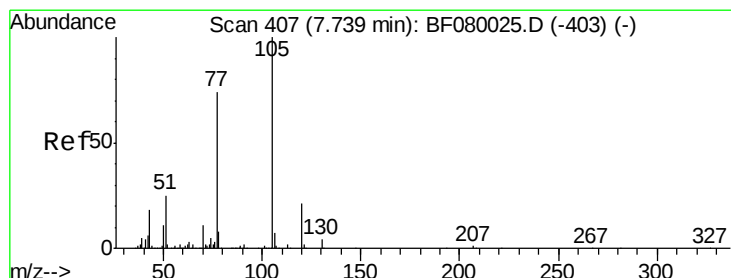
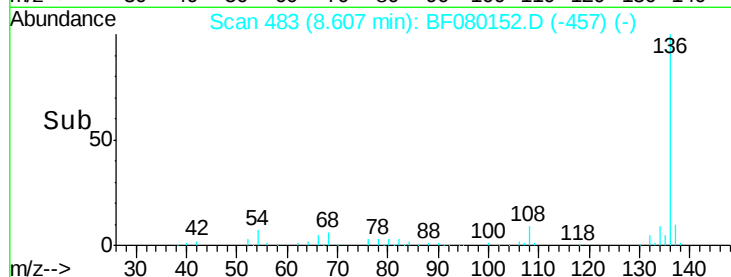
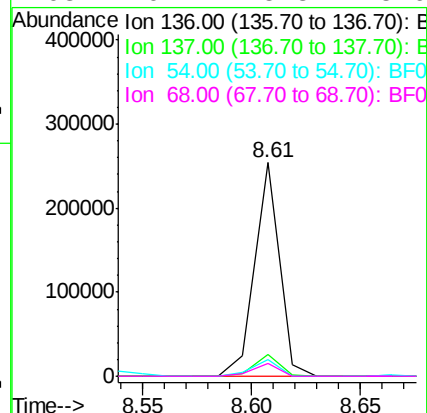
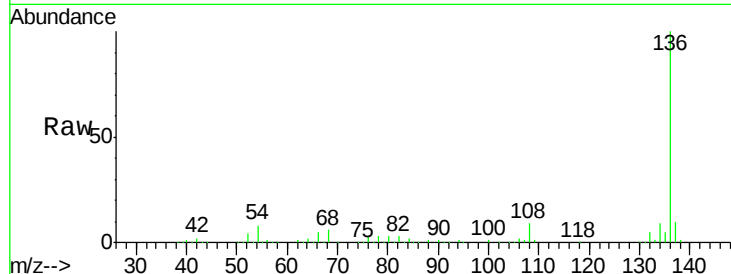




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.61 min Scan# 483
Delta R.T. -0.00 min
Lab File: BF080152.D
Acq: 25 Jun 2015 3:06

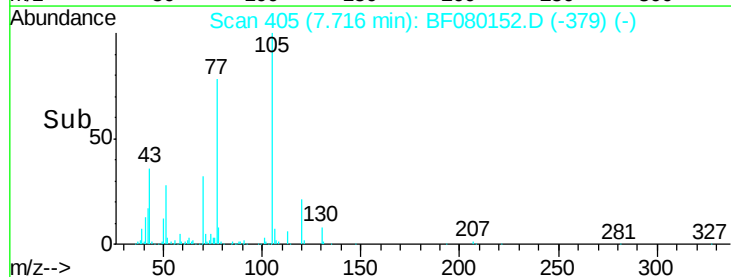
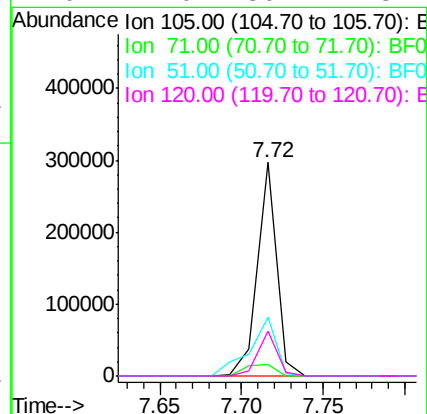
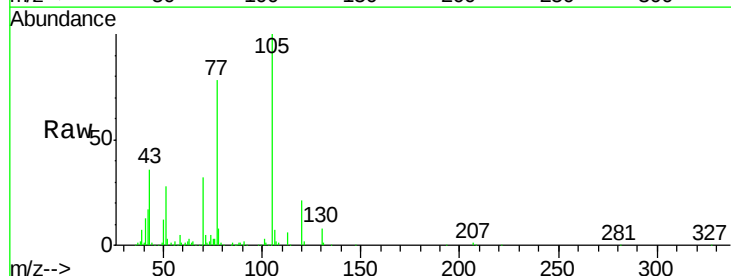
Instrument :
BNA_F
ClientSampleId :
SB-76(11-13)MSD

Tgt Ion:	136	Resp:	201226
Ion Ratio	Lower	Upper	
136	100		
137	10.5	9.0	13.6
54	7.5	8.2	12.2#
68	6.1	5.8	8.6



#22
Acetophenone
Concen: 52.12 ng
RT: 7.72 min Scan# 405
Delta R.T. -0.00 min
Lab File: BF080152.D
Acq: 25 Jun 2015 3:06

Tgt Ion:	105	Resp:	244399
Ion Ratio	Lower	Upper	
105	100		
71	5.5	4.7	7.1
51	27.6	22.0	33.0
120	21.0	30.1	45.1#





#23

Nitrobenzene-d5

Concen: 109.75 ng

RT: 7.88 min Scan# 419

Delta R.T. -0.00 min

Lab File: BF080152.D

Acq: 25 Jun 2015 3:06

Instrument :

BNA_F

ClientSampleId :

SB-76(11-13)MSD

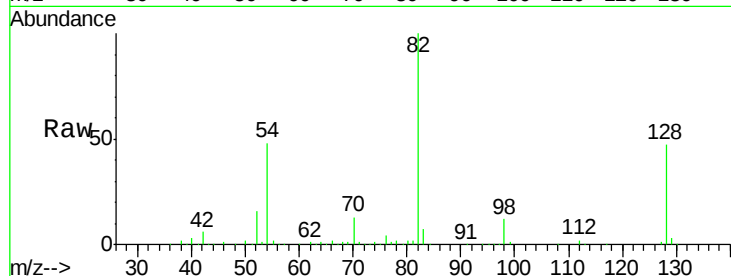
Tgt Ion: 82 Resp: 379343

Ion Ratio Lower Upper

82 100

128 46.9 51.0 76.6#

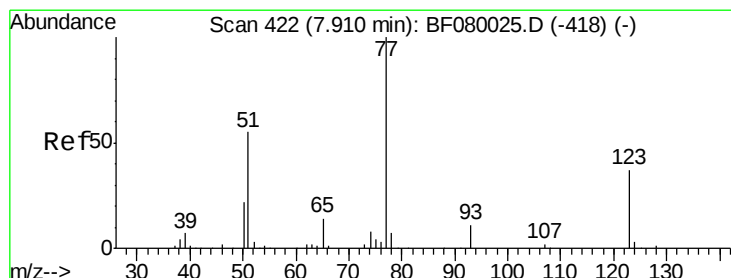
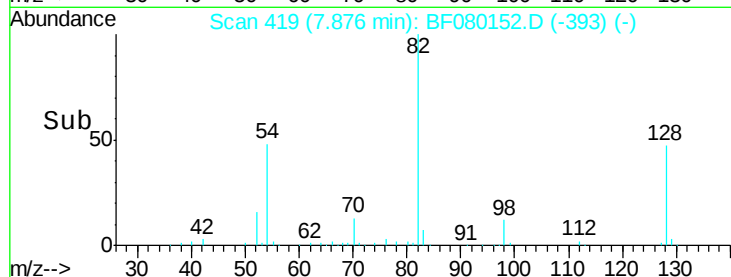
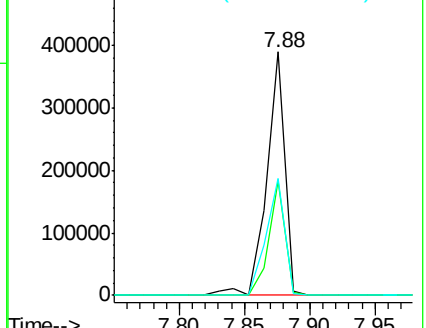
54 48.1 47.5 71.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 49.06 ng

RT: 7.89 min Scan# 420

Delta R.T. -0.00 min

Lab File: BF080152.D

Acq: 25 Jun 2015 3:06

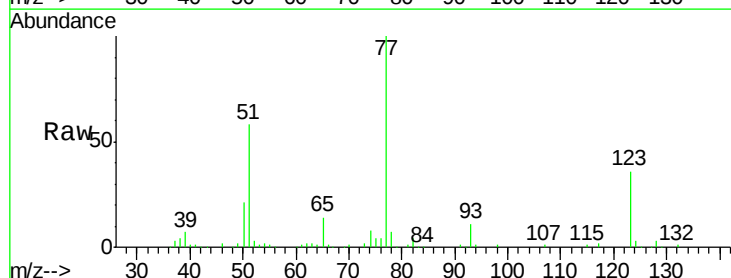
Tgt Ion: 77 Resp: 175024

Ion Ratio Lower Upper

77 100

123 35.7 59.8 89.8#

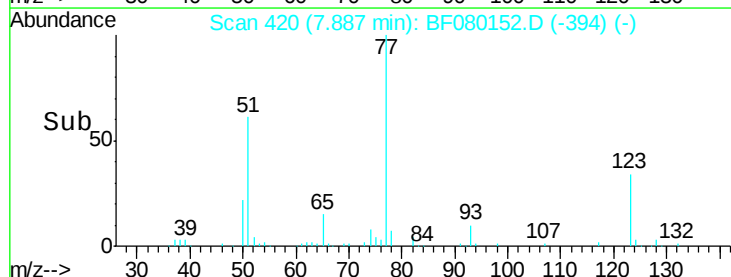
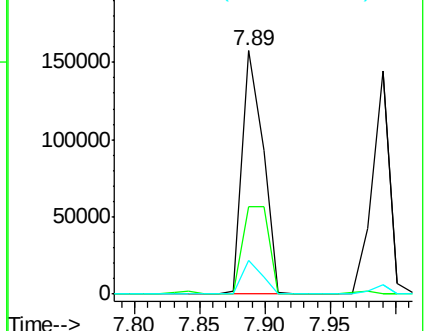
65 13.7 10.2 15.4

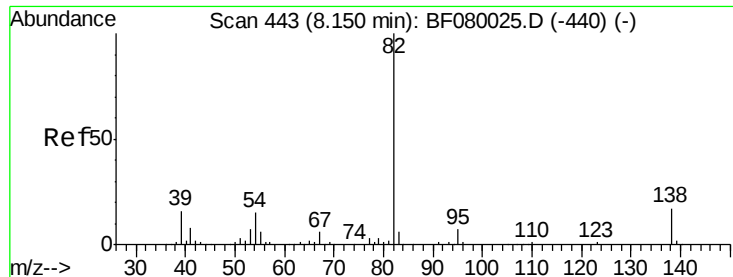


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): B

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 49.15 ng

RT: 8.13 min Scan# 441

Delta R.T. -0.00 min

Lab File: BF080152.D

Acq: 25 Jun 2015 3:06

Instrument :

BNA_F

ClientSampleId :

SB-76(11-13)MSD

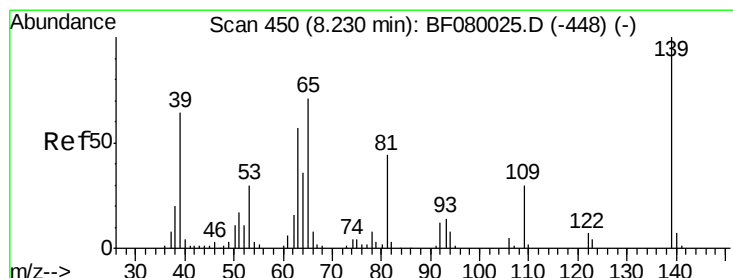
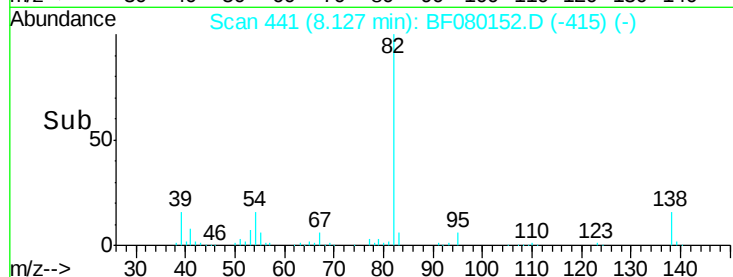
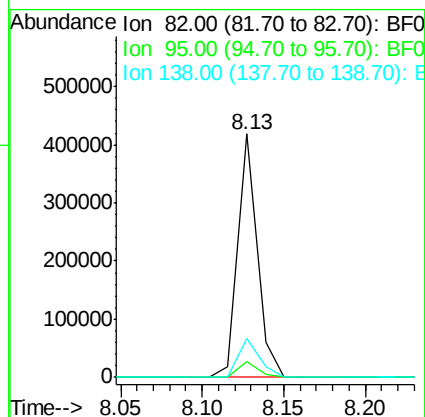
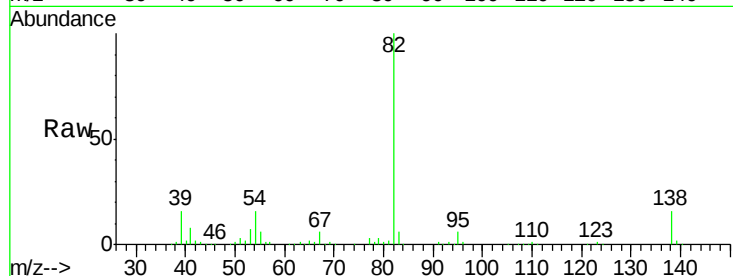
Tgt Ion: 82 Resp: 341881

Ion Ratio Lower Upper

82 100

95 6.4 4.0 6.0#

138 16.0 18.3 27.5#



#26

2-Nitrophenol

Concen: 57.01 ng

RT: 8.22 min Scan# 449

Delta R.T. 0.01 min

Lab File: BF080152.D

Acq: 25 Jun 2015 3:06

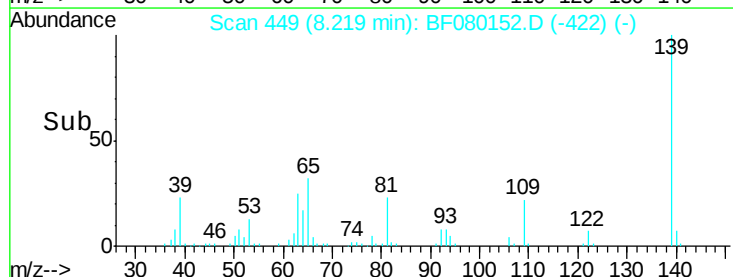
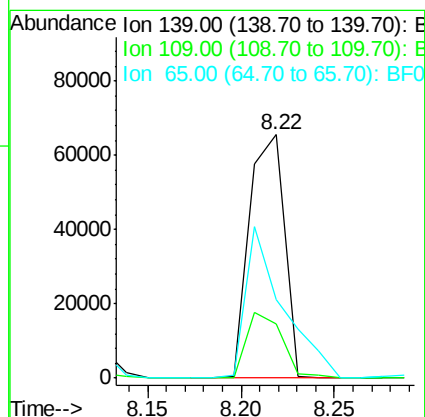
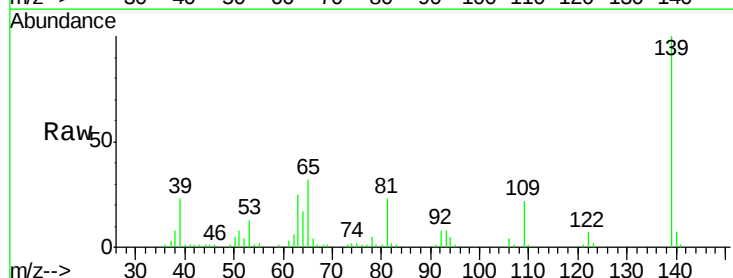
Tgt Ion: 139 Resp: 85129

Ion Ratio Lower Upper

139 100

109 22.0 11.0 16.4#

65 32.2 24.7 37.1





#27

2,4-Dimethylphenol

Concen: 49.77 ng

RT: 8.24 min Scan# 451

Delta R.T. 0.01 min

Lab File: BF080152.D

Acq: 25 Jun 2015 3:06

Instrument :

BNA_F

ClientSampleId :

SB-76(11-13)MSD

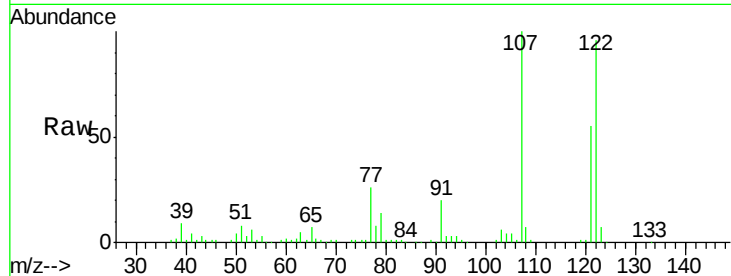
Tgt Ion:122 Resp: 154976

Ion Ratio Lower Upper

122 100

107 104.0 71.8 107.6

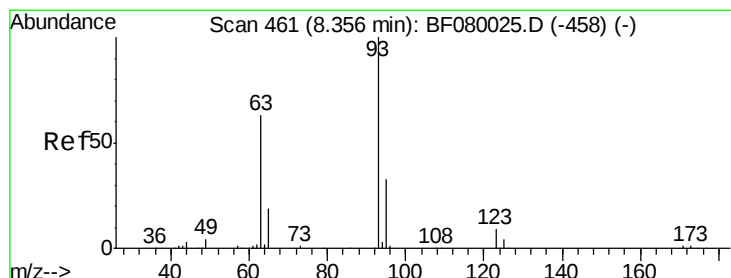
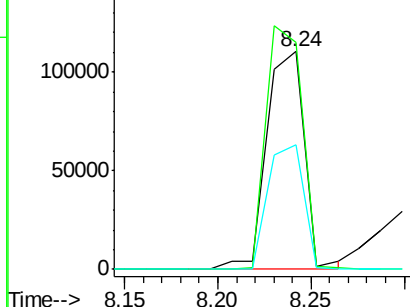
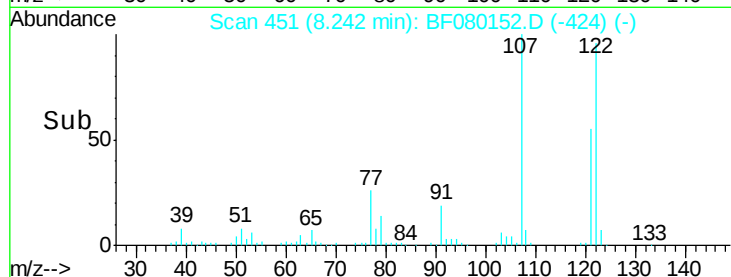
121 57.2 42.3 63.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 54.98 ng

RT: 8.33 min Scan# 459

Delta R.T. -0.00 min

Lab File: BF080152.D

Acq: 25 Jun 2015 3:06

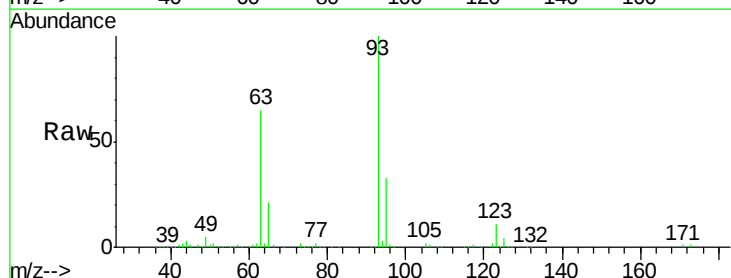
Tgt Ion: 93 Resp: 224724

Ion Ratio Lower Upper

93 100

95 32.6 27.5 41.3

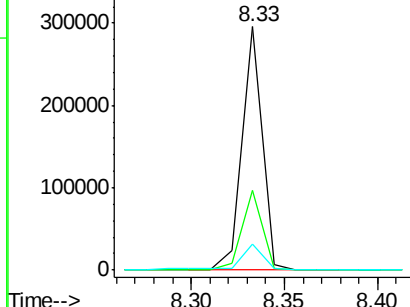
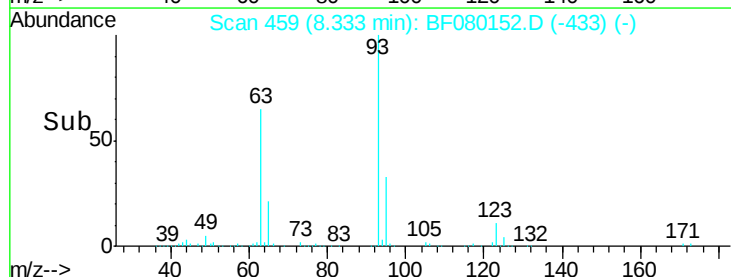
123 10.7 13.7 20.5#

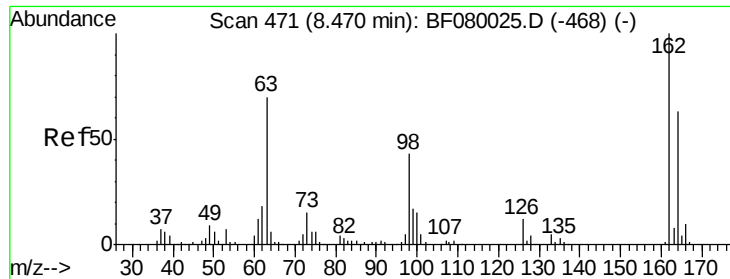


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

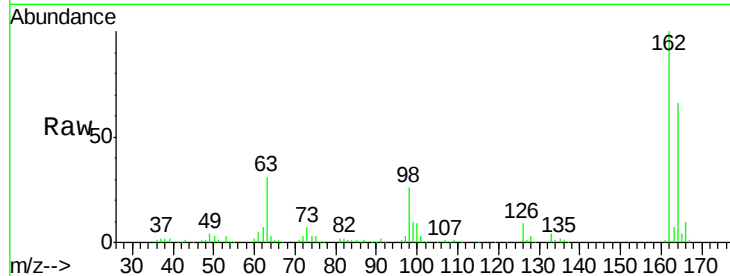




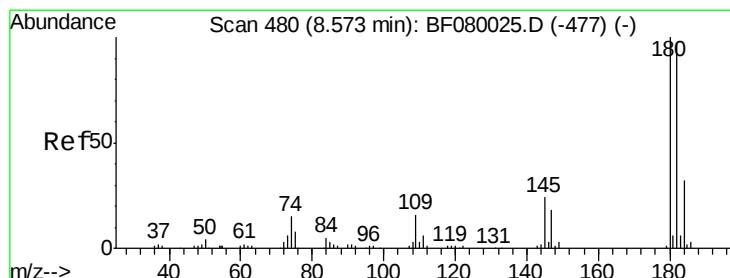
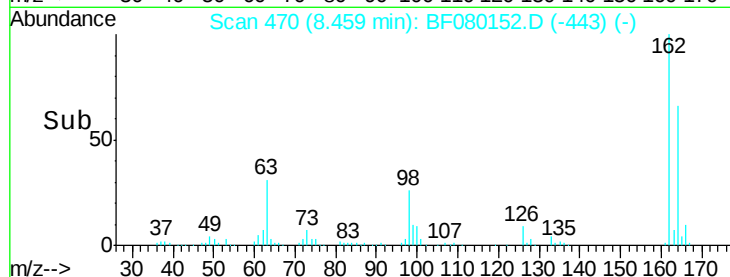
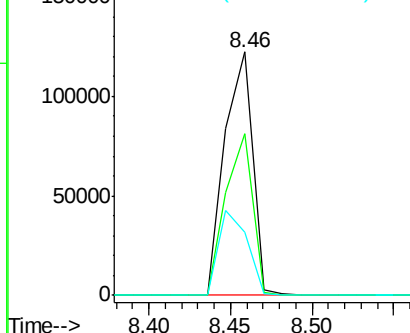
#29
 2,4-Dichlorophenol
 Concen: 53.95 ng
 RT: 8.46 min Scan# 470
 Delta R.T. 0.01 min
 Lab File: BF080152.D
 Acq: 25 Jun 2015 3:06

Instrument :
 BNA_F
 ClientSampleId :
 SB-76(11-13)MSD

Tgt Ion	Ratio	Lower	Upper
162	100		
164	66.2	44.9	84.9
98	26.1	13.0	53.0

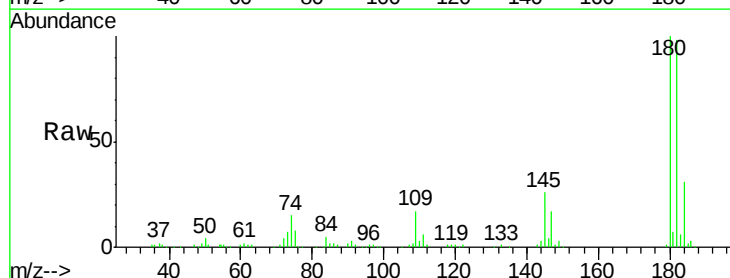


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

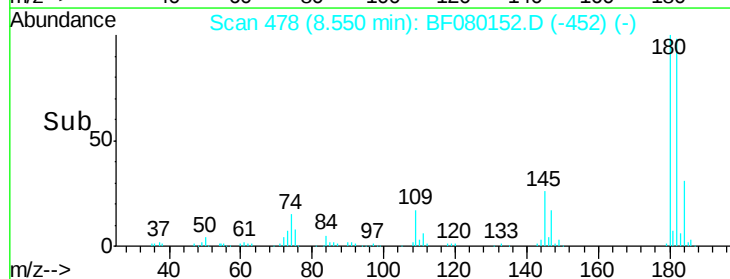
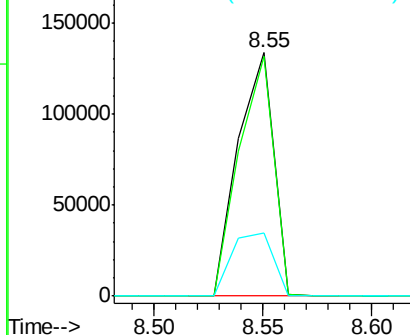


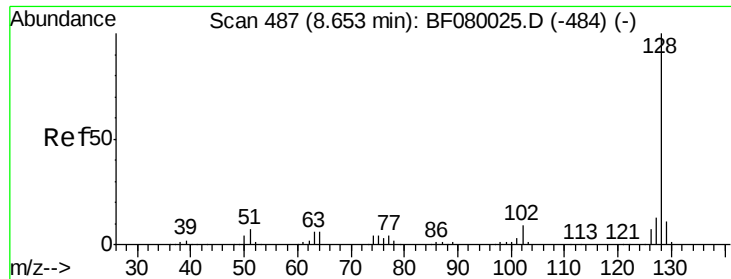
#30
 1,2,4-Trichlorobenzene
 Concen: 50.11 ng
 RT: 8.55 min Scan# 478
 Delta R.T. -0.00 min
 Lab File: BF080152.D
 Acq: 25 Jun 2015 3:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.4	77.1	115.7
145	25.7	23.3	34.9



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

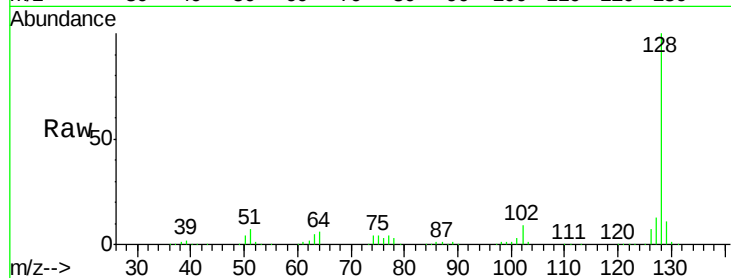




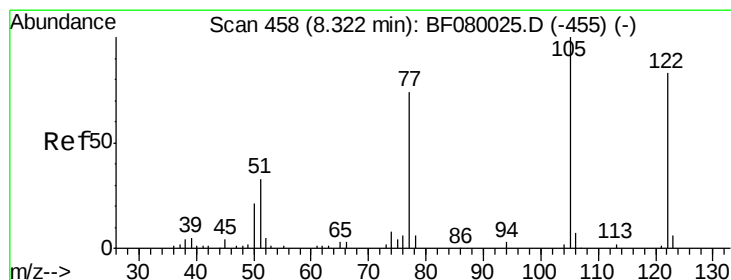
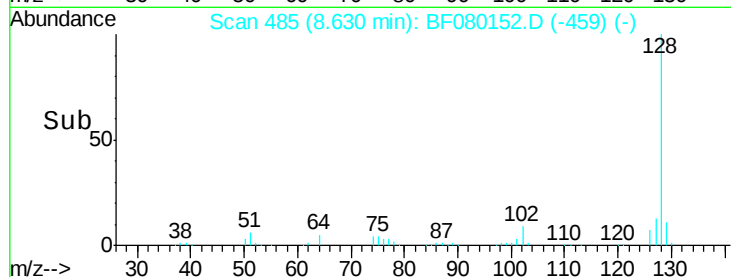
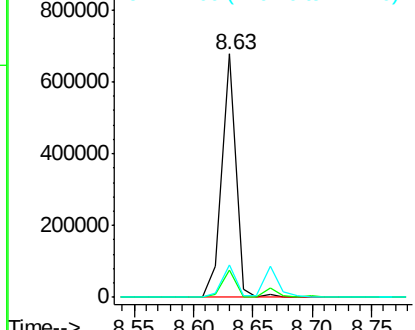
#31
Naphthalene
Concen: 52.11 ng
RT: 8.63 min Scan# 485
Delta R.T. -0.00 min
Lab File: BF080152.D
Acq: 25 Jun 2015 3:06

Instrument :
BNA_F
ClientSampleId :
SB-76(11-13)MSD

Tgt Ion:128 Resp: 548217
Ion Ratio Lower Upper
128 100
129 11.3 8.4 12.6
127 13.2 9.9 14.9

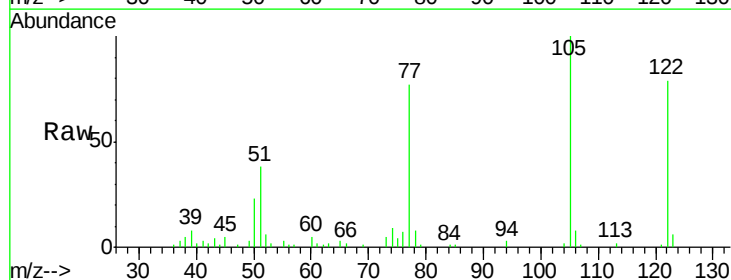


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

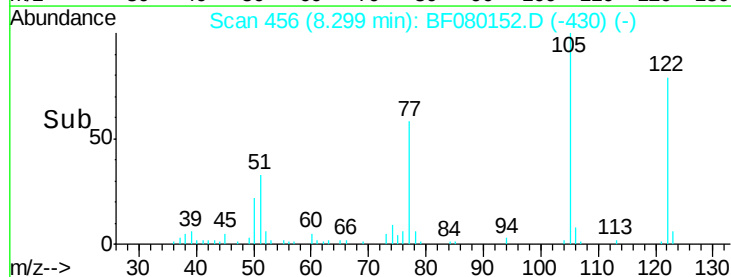
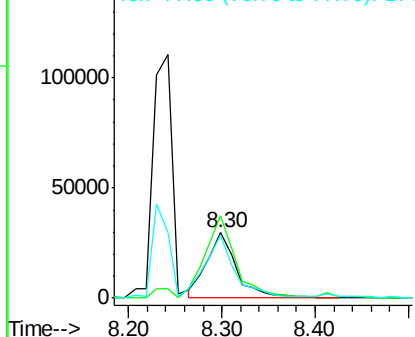


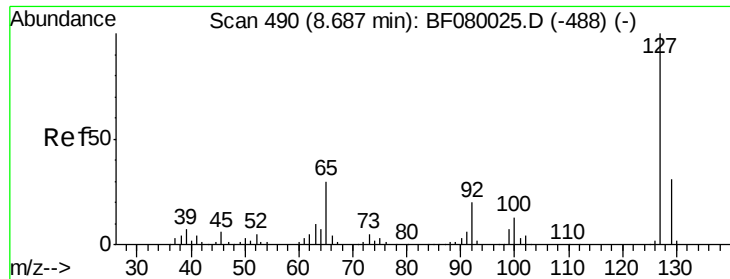
#32
Benzoic acid
Concen: 35.56 ng
RT: 8.30 min Scan# 456
Delta R.T. -0.00 min
Lab File: BF080152.D
Acq: 25 Jun 2015 3:06

Tgt Ion:122 Resp: 66948
Ion Ratio Lower Upper
122 100
105 126.7 76.1 116.1#
77 97.4 40.5 80.5#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

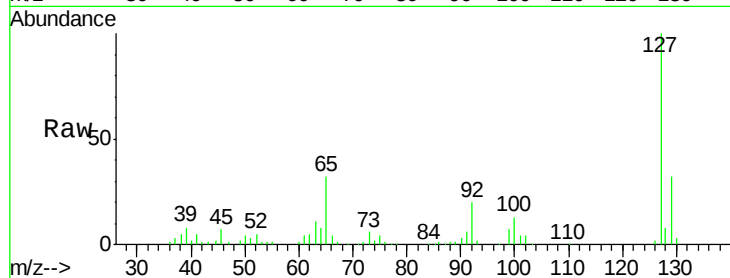




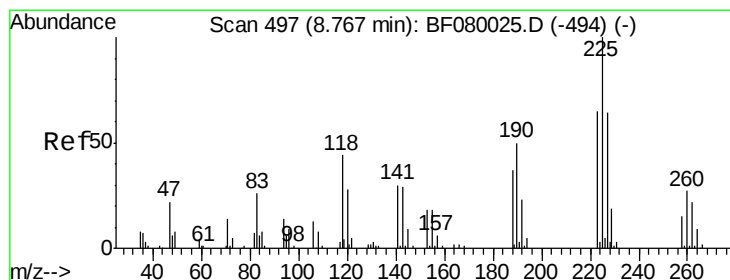
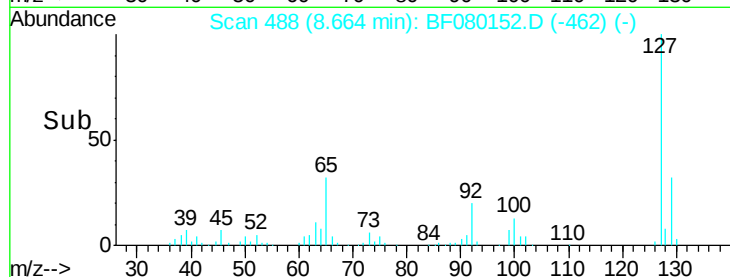
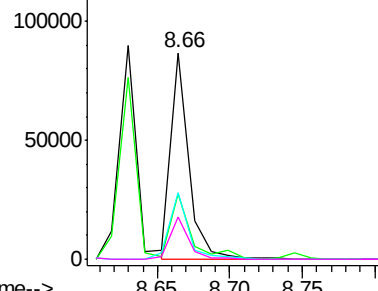
#33
4-Chloroaniline
Concen: 16.68 ng
RT: 8.66 min Scan# 488
Delta R.T. -0.00 min
Lab File: BF080152.D
Acq: 25 Jun 2015 3:06

Instrument :
BNA_F
ClientSampleId :
SB-76(11-13)MSD

Tgt Ion:127 Resp: 75081
Ion Ratio Lower Upper
127 100
129 31.8 25.8 38.6
65 32.2 17.9 26.9#
92 20.5 10.5 15.7#

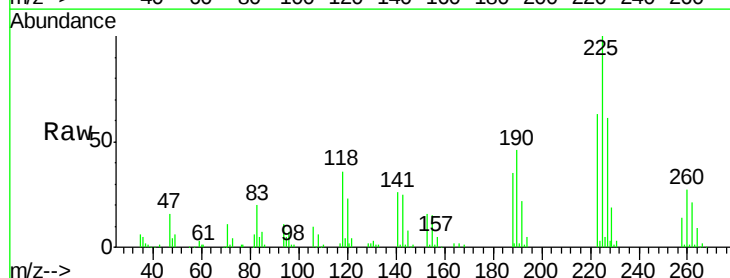


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

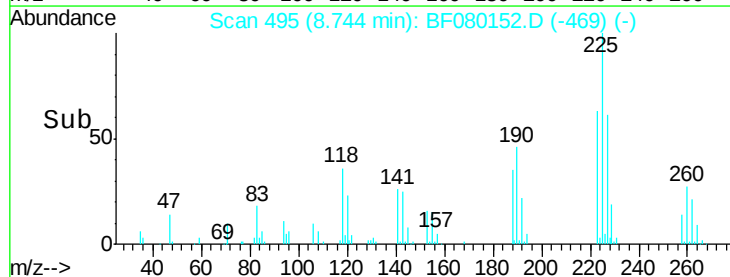
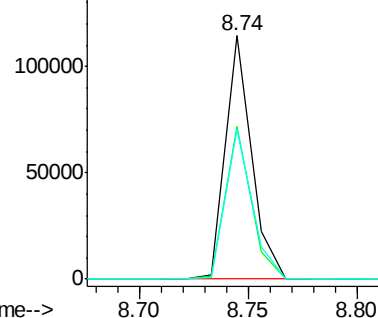


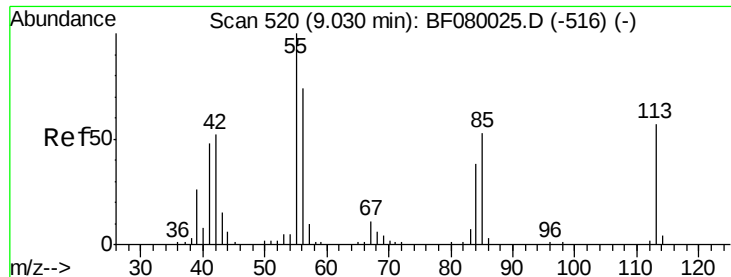
#34
Hexachlorobutadiene
Concen: 51.05 ng
RT: 8.74 min Scan# 495
Delta R.T. -0.00 min
Lab File: BF080152.D
Acq: 25 Jun 2015 3:06

Tgt Ion:225 Resp: 95188
Ion Ratio Lower Upper
225 100
223 62.6 50.2 75.2
227 61.5 52.2 78.2



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

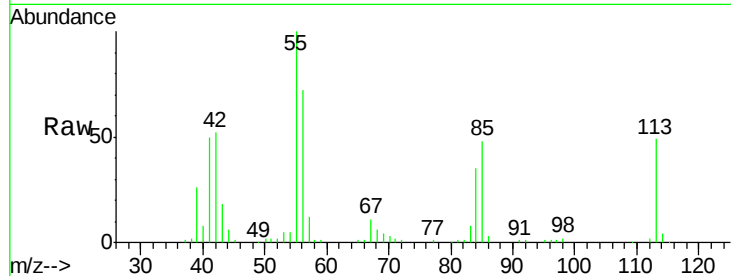




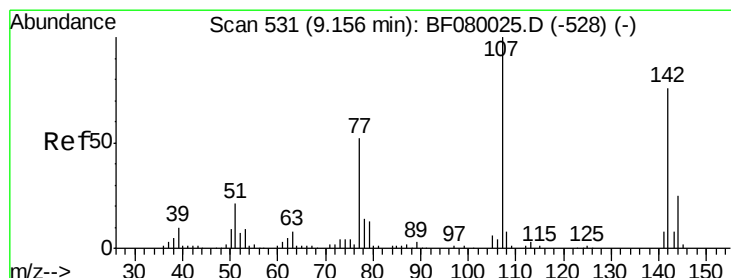
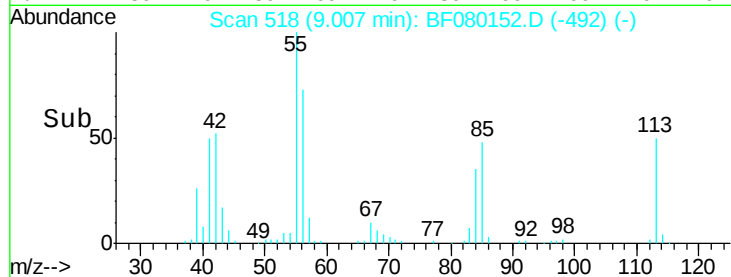
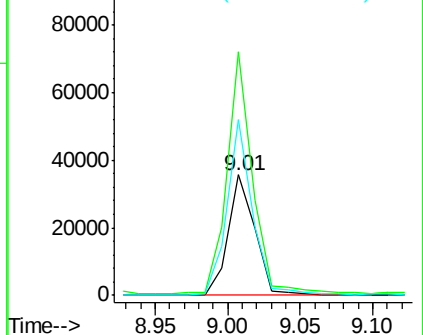
#35
 Caprolactam
 Concen: 52.22 ng
 RT: 9.01 min Scan# 518
 Delta R.T. -0.00 min
 Lab File: BF080152.D
 Acq: 25 Jun 2015 3:06

Instrument :
 BNA_F
 ClientSampleId :
 SB-76(11-13)MSD

Tgt Ion:113 Resp: 45198
 Ion Ratio Lower Upper
 113 100
 55 202.6 152.4 192.4#
 56 146.4 104.6 144.6#

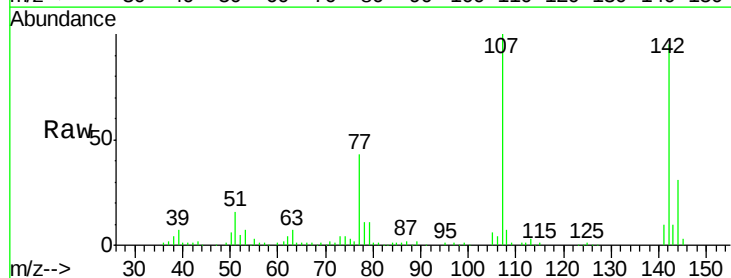


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

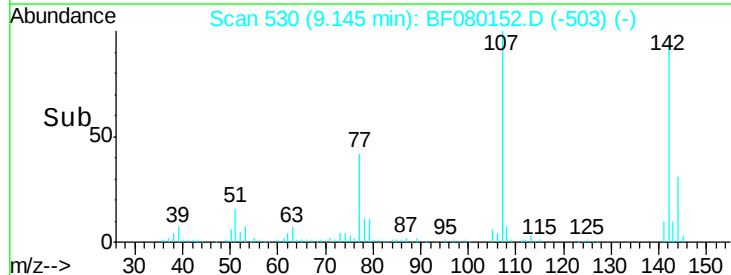
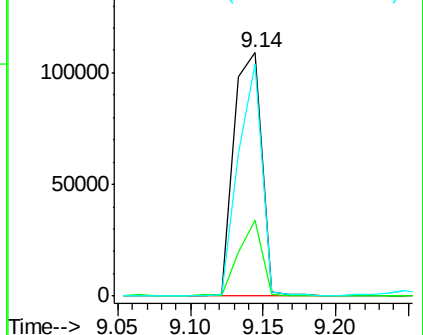


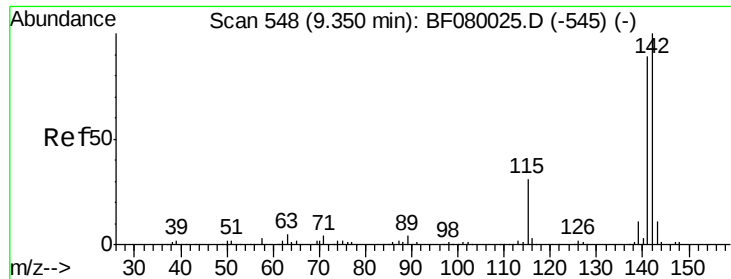
#36
 4-Chloro-3-methylphenol
 Concen: 48.10 ng
 RT: 9.14 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: BF080152.D
 Acq: 25 Jun 2015 3:06

Tgt Ion:107 Resp: 144686
 Ion Ratio Lower Upper
 107 100
 144 31.2 25.4 38.0
 142 95.2 77.3 115.9



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

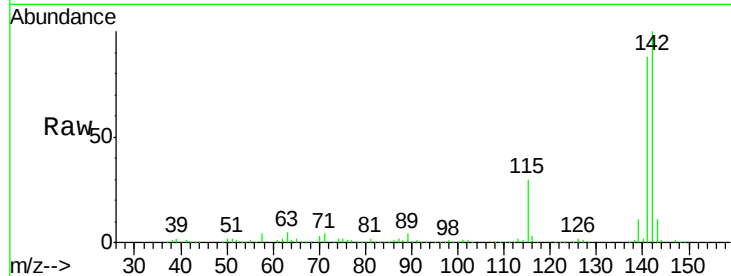




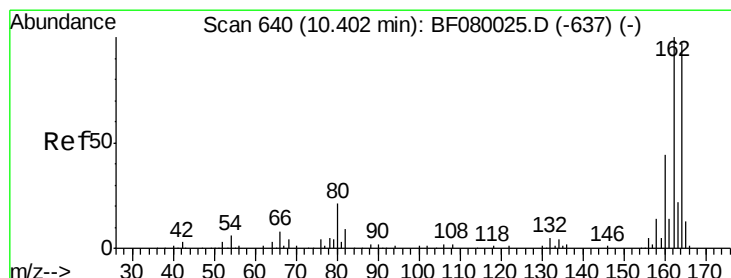
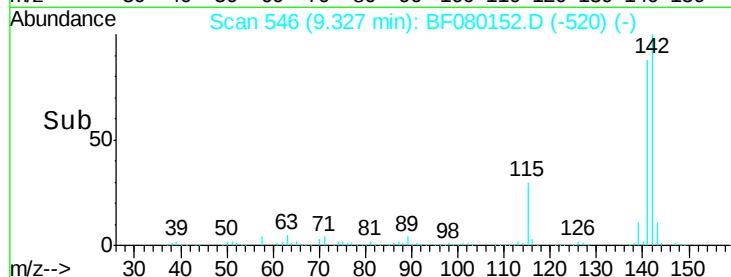
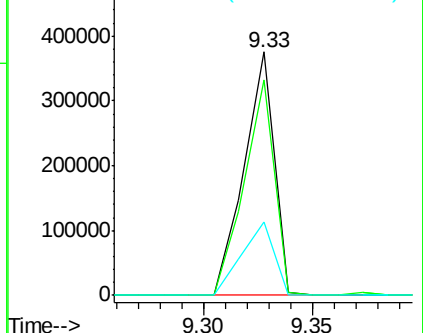
#37
 2-Methylnaphthalene
 Concen: 53.05 ng
 RT: 9.33 min Scan# 546
 Delta R.T. -0.00 min
 Lab File: BF080152.D
 Acq: 25 Jun 2015 3:06

Instrument :
 BNA_F
 ClientSampleId :
 SB-76(11-13)MSD

Tgt Ion:142 Resp: 361009
 Ion Ratio Lower Upper
 142 100
 141 88.3 67.5 101.3
 115 29.9 18.2 27.2#

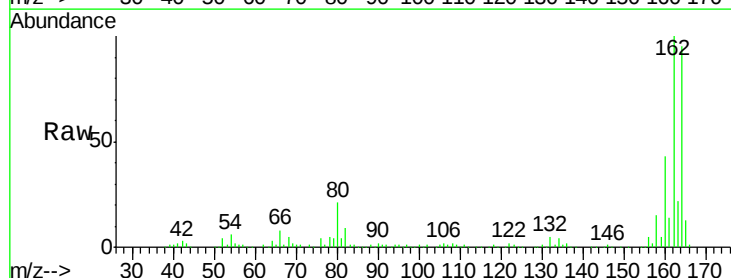


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

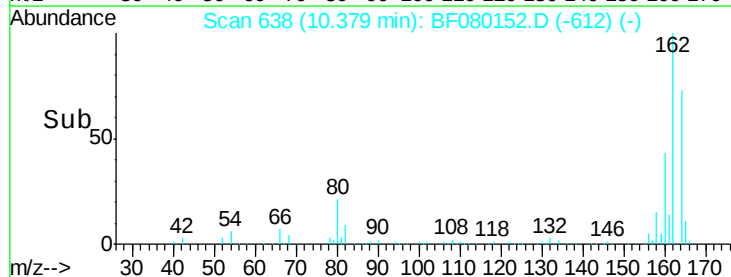
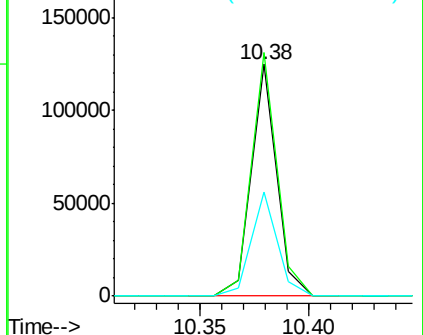


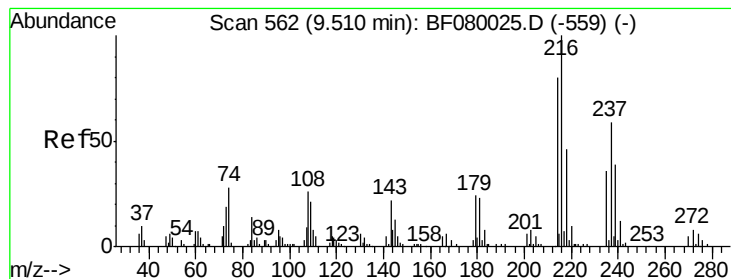
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.38 min Scan# 638
 Delta R.T. -0.00 min
 Lab File: BF080152.D
 Acq: 25 Jun 2015 3:06

Tgt Ion:164 Resp: 100598
 Ion Ratio Lower Upper
 164 100
 162 105.2 75.2 112.8
 160 45.0 31.5 47.3



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 51.91 ng

RT: 9.50 min Scan# 561

Delta R.T. 0.01 min

Lab File: BF080152.D

Acq: 25 Jun 2015 3:06

Instrument :

BNA_F

ClientSampleId :

SB-76(11-13)MSD

Tgt Ion:216 Resp: 151970

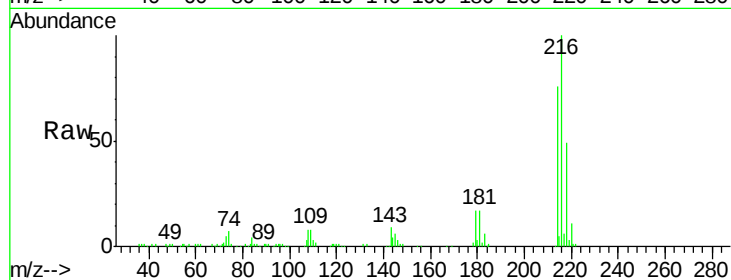
Ion Ratio Lower Upper

216 100

214 78.0 63.5 95.3

179 20.6 16.6 24.8

108 17.2 16.3 24.5

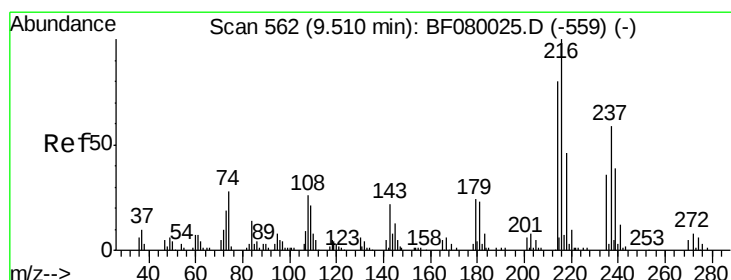
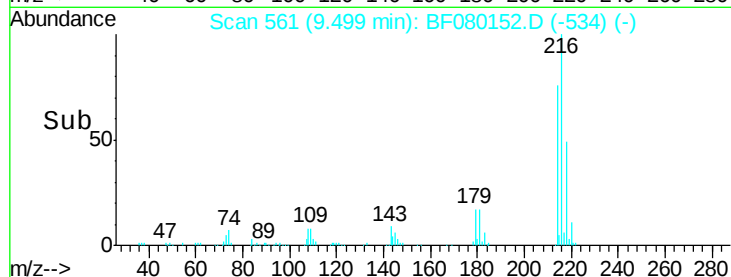
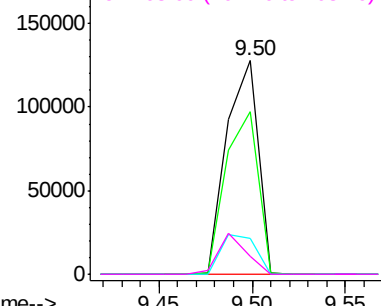


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 42.48 ng

RT: 9.49 min Scan# 560

Delta R.T. -0.00 min

Lab File: BF080152.D

Acq: 25 Jun 2015 3:06

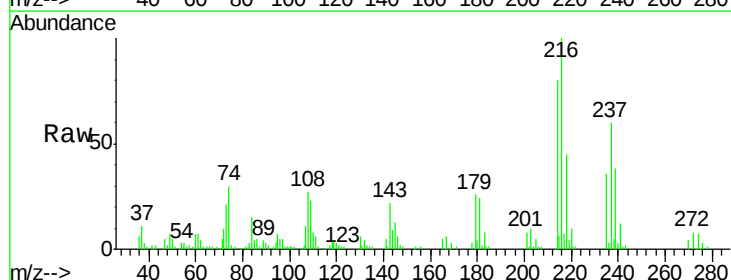
Tgt Ion:237 Resp: 59197

Ion Ratio Lower Upper

237 100

235 60.8 42.0 82.0

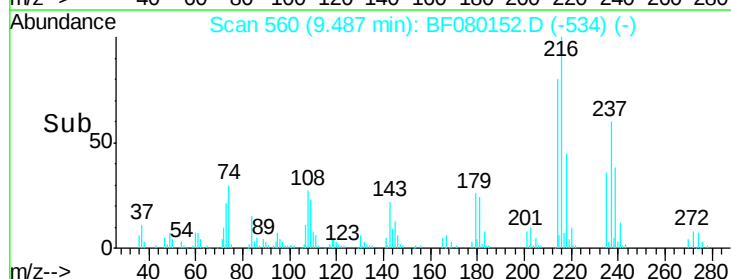
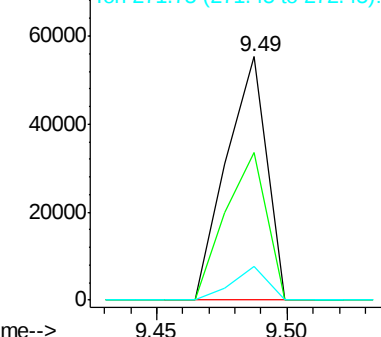
272 13.9 0.0 36.1



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

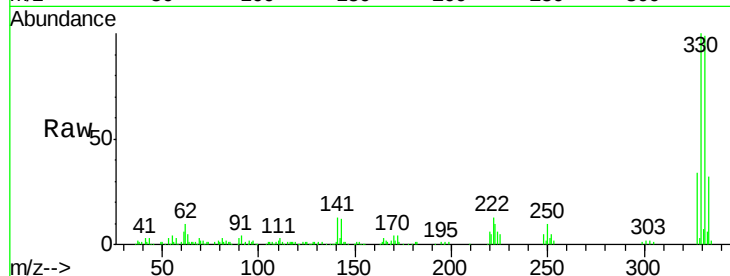




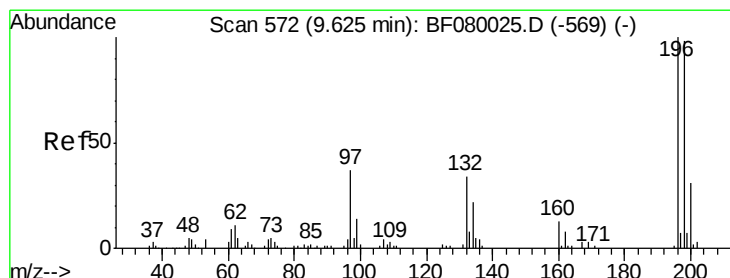
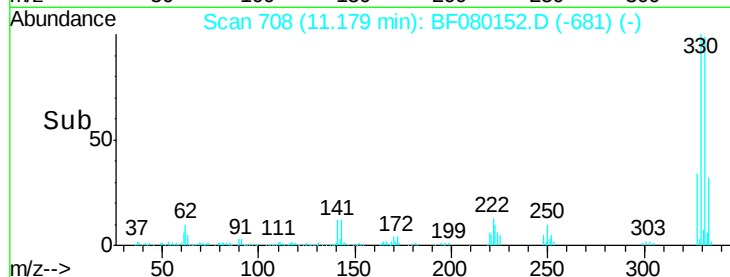
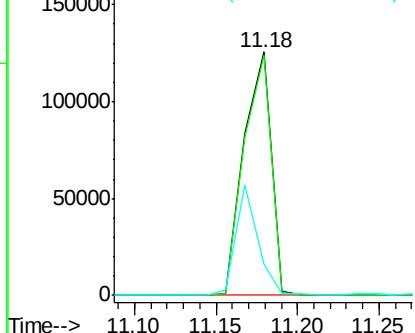
#41
 2,4,6-Tribromophenol
 Concen: 148.23 ng
 RT: 11.18 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: BF080152.D
 Acq: 25 Jun 2015 3:06

Instrument :
 BNA_F
 ClientSampleId :
 SB-76(11-13)MSD

Tgt Ion:330 Resp: 145814
 Ion Ratio Lower Upper
 330 100
 332 98.0 76.6 114.8
 141 35.8 29.7 44.5

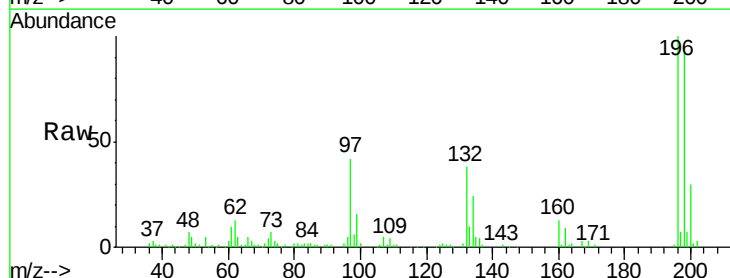


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

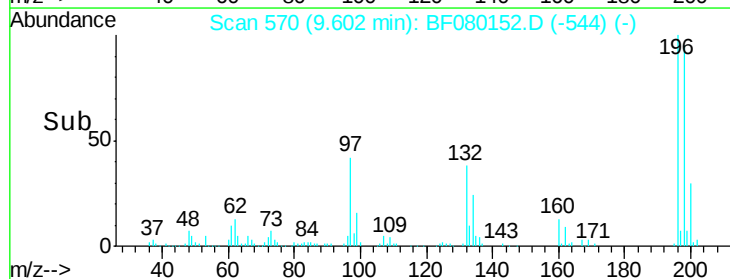
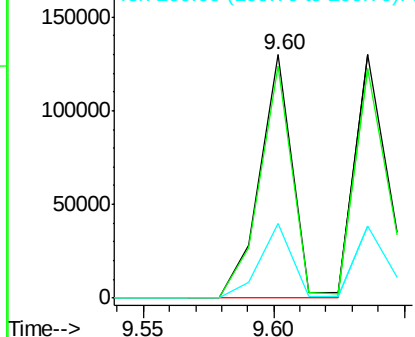


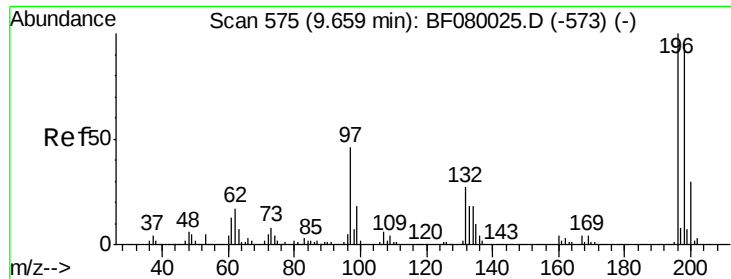
#42
 2,4,6-Trichlorophenol
 Concen: 56.50 ng
 RT: 9.60 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: BF080152.D
 Acq: 25 Jun 2015 3:06

Tgt Ion:196 Resp: 112535
 Ion Ratio Lower Upper
 196 100
 198 95.3 75.7 113.5
 200 30.5 23.9 35.9



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

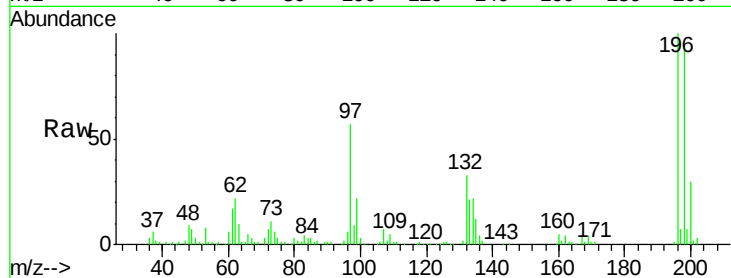




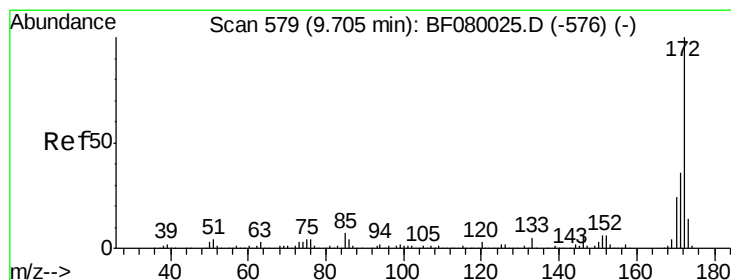
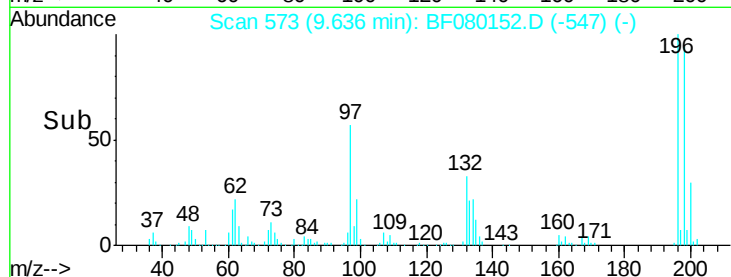
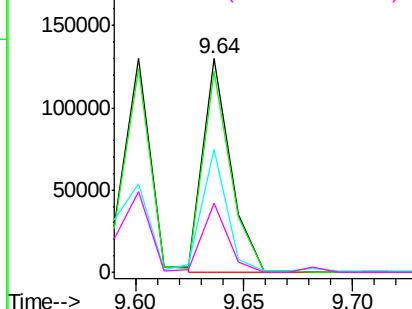
#43
 2,4,5-Trichlorophenol
 Concen: 49.74 ng
 RT: 9.64 min Scan# 573
 Delta R.T. -0.00 min
 Lab File: BF080152.D
 Acq: 25 Jun 2015 3:06

Instrument :
 BNA_F
 ClientSampleId :
 SB-76(11-13)MSD

Tgt Ion	Ratio	Lower	Upper
196	100		
198	94.2	75.4	113.0
97	57.5	33.3	49.9
132	32.6	24.6	37.0

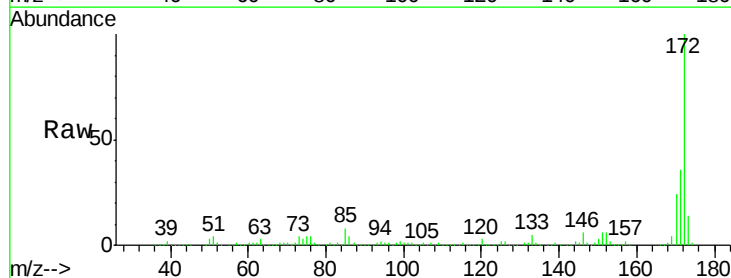


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

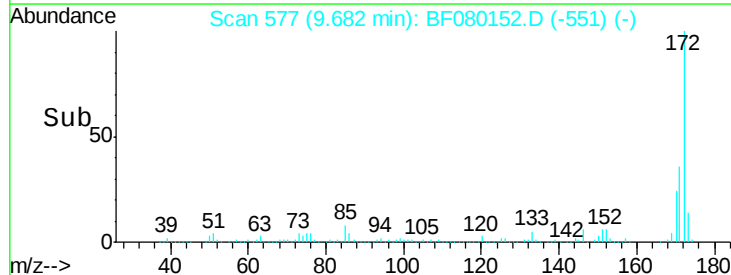
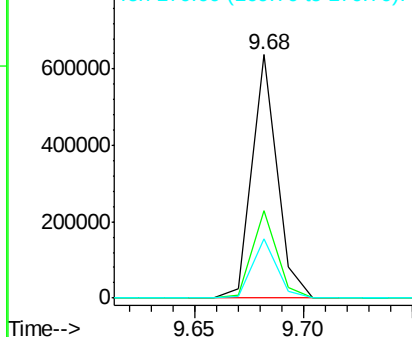


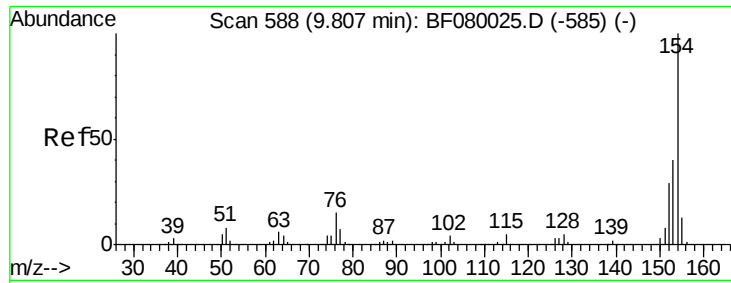
#44
 2-Fluorobiphenyl
 Concen: 72.42 ng
 RT: 9.68 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: BF080152.D
 Acq: 25 Jun 2015 3:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	26.1	39.1
170	24.1	17.4	26.2



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

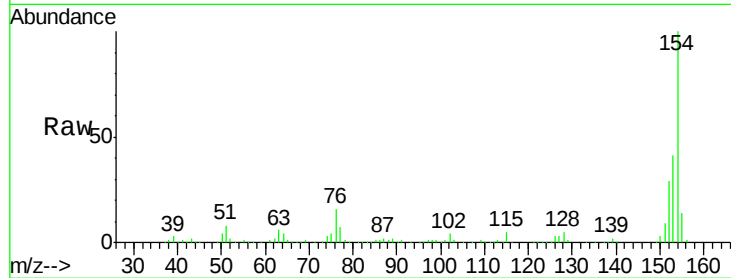




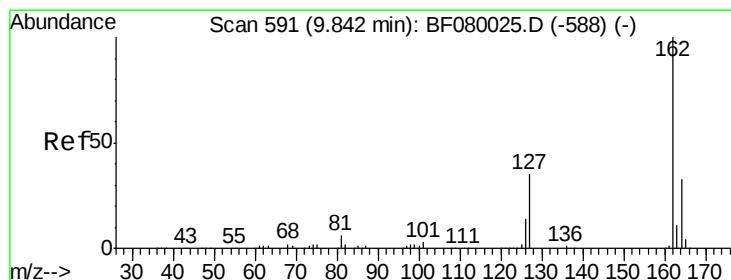
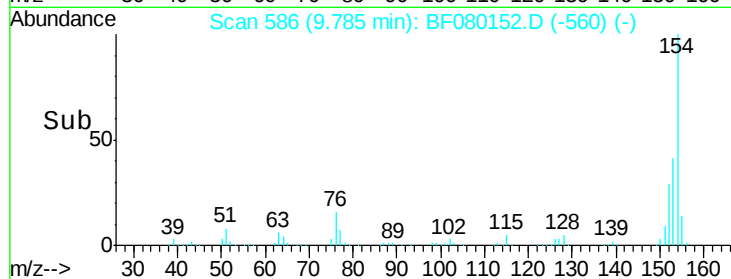
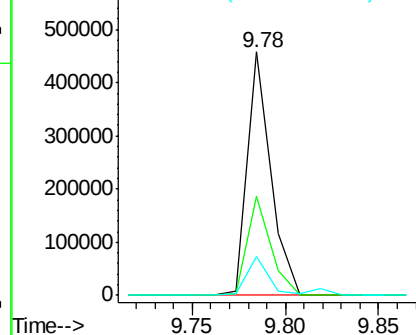
#45
 1,1'-Biphenyl
 Concen: 48.92 ng
 RT: 9.78 min Scan# 586
 Delta R.T. -0.00 min
 Lab File: BF080152.D
 Acq: 25 Jun 2015 3:06

Instrument :
 BNA_F
 ClientSampleId :
 SB-76(11-13)MSD

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.5	17.1	57.1
76	16.0	0.0	31.6

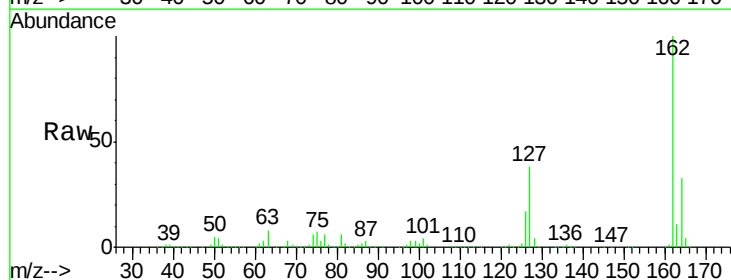


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

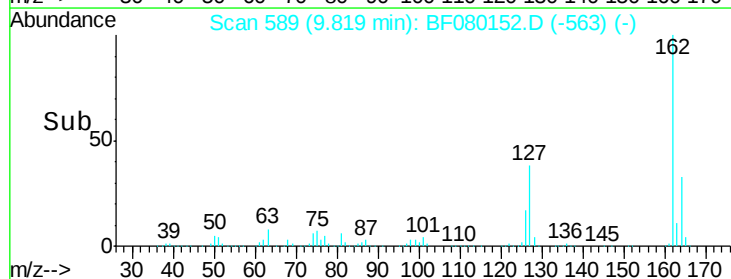
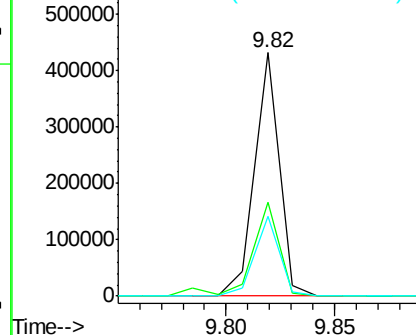


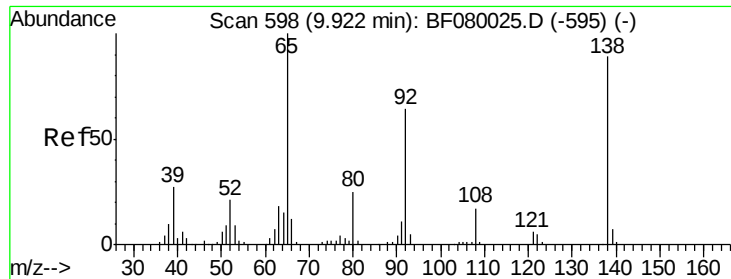
#46
 2-Chloronaphthalene
 Concen: 51.11 ng
 RT: 9.82 min Scan# 589
 Delta R.T. -0.00 min
 Lab File: BF080152.D
 Acq: 25 Jun 2015 3:06

Tgt Ion	Ratio	Lower	Upper
162	100		
127	38.4	27.6	41.4
164	32.9	25.4	38.2



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





#47

2-Nitroaniline

Concen: 52.96 ng

RT: 9.90 min Scan# 596

Delta R.T. -0.00 min

Lab File: BF080152.D

Acq: 25 Jun 2015 3:06

Instrument :

BNA_F

ClientSampleId :

SB-76(11-13)MSD

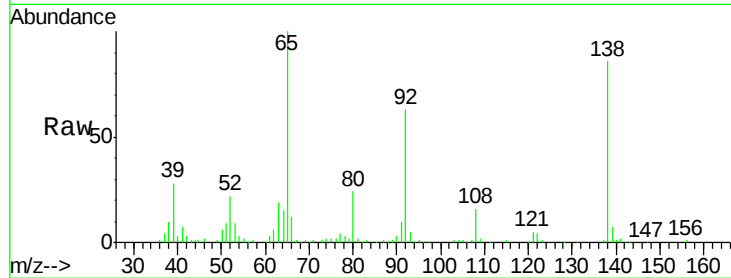
Tgt Ion: 65 Resp: 96550

Ion Ratio Lower Upper

65 100

92 63.1 55.4 83.0

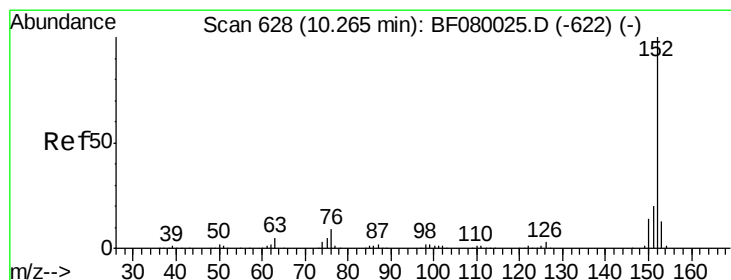
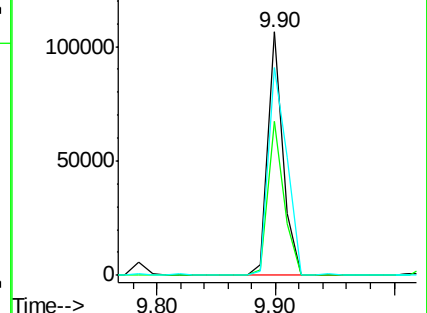
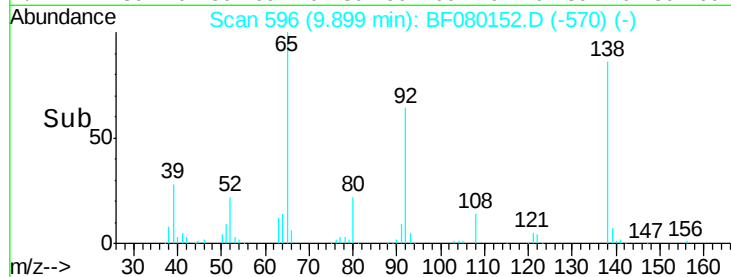
138 85.6 115.5 173.3#



Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#48

Acenaphthylene

Concen: 54.28 ng

RT: 10.24 min Scan# 626

Delta R.T. -0.00 min

Lab File: BF080152.D

Acq: 25 Jun 2015 3:06

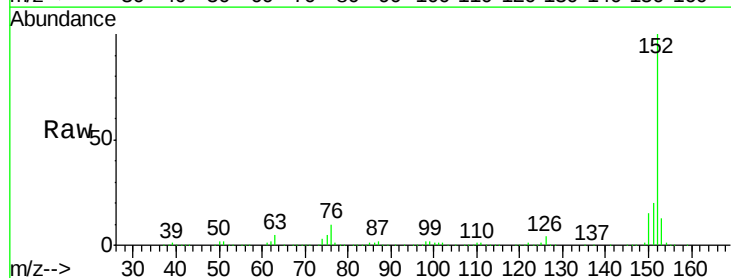
Tgt Ion: 152 Resp: 601611

Ion Ratio Lower Upper

152 100

151 20.4 14.6 22.0

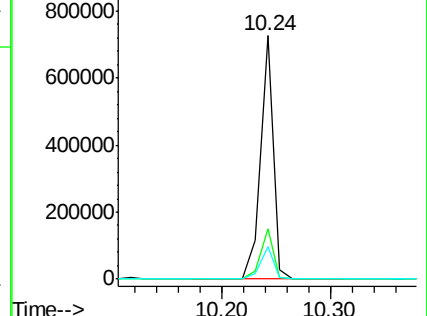
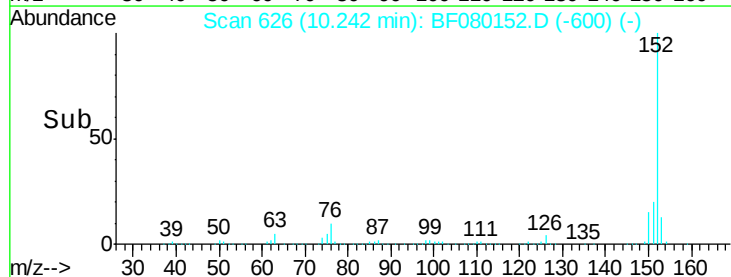
153 13.4 10.3 15.5

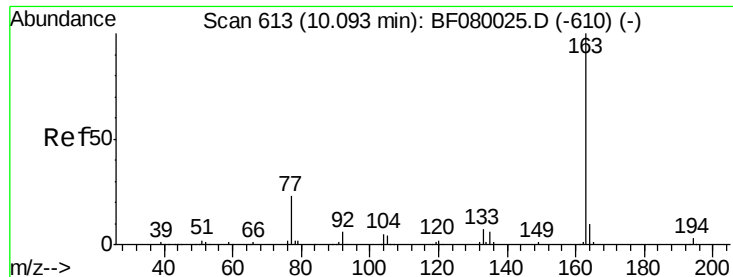


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

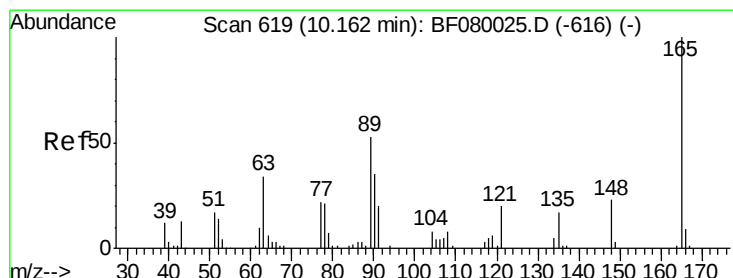
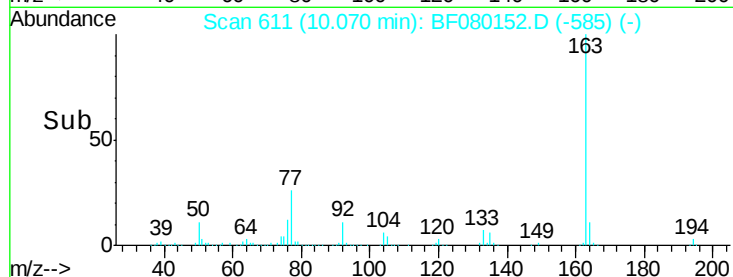
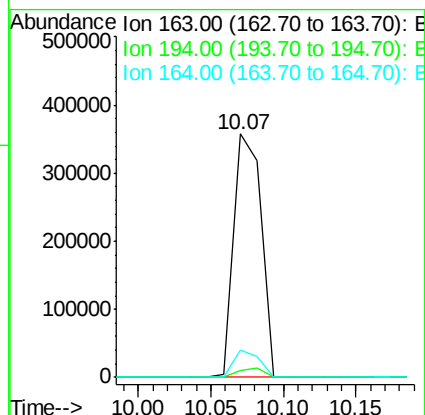
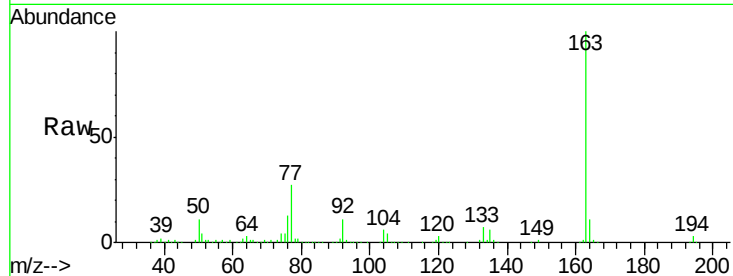




#49
Dimethylphthalate
Concen: 61.89 ng
RT: 10.07 min Scan# 611
Delta R.T. -0.00 min
Lab File: BF080152.D
Acq: 25 Jun 2015 3:06

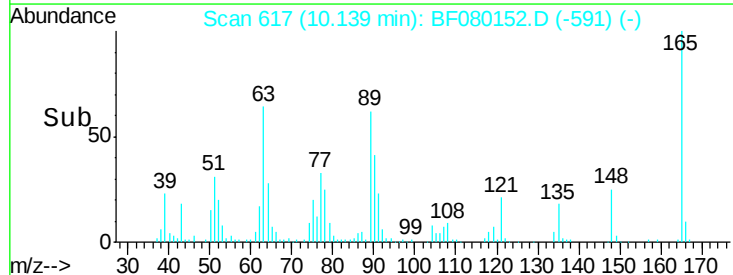
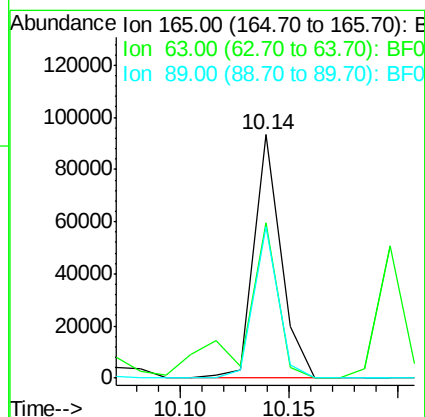
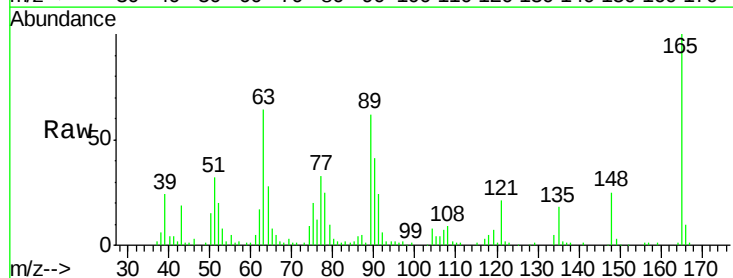
Instrument :
BNA_F
ClientSampleId :
SB-76(11-13)MSD

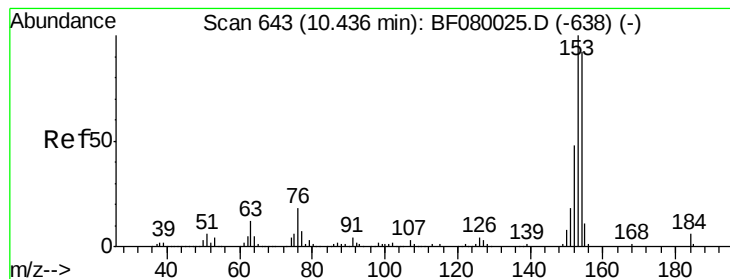
Tgt Ion:163 Resp: 468052
Ion Ratio Lower Upper
163 100
194 3.0 4.4 6.6#
164 11.3 8.3 12.5



#50
2,6-Dinitrotoluene
Concen: 53.07 ng
RT: 10.14 min Scan# 617
Delta R.T. -0.00 min
Lab File: BF080152.D
Acq: 25 Jun 2015 3:06

Tgt Ion:165 Resp: 80468
Ion Ratio Lower Upper
165 100
63 63.6 32.3 48.5#
89 62.4 28.6 43.0#





#51

Acenaphthene

Concen: 49.37 ng

RT: 10.41 min Scan# 641

Delta R.T. -0.00 min

Lab File: BF080152.D

Acq: 25 Jun 2015 3:06

Instrument :

BNA_F

ClientSampleId :

SB-76(11-13)MSD

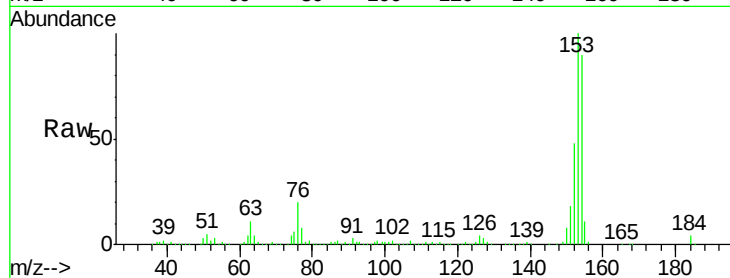
Tgt Ion:154 Resp: 334766

Ion Ratio Lower Upper

154 100

153 111.5 82.1 123.1

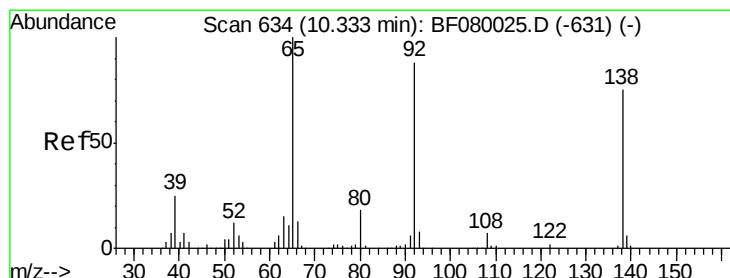
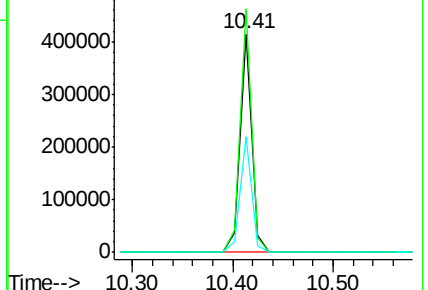
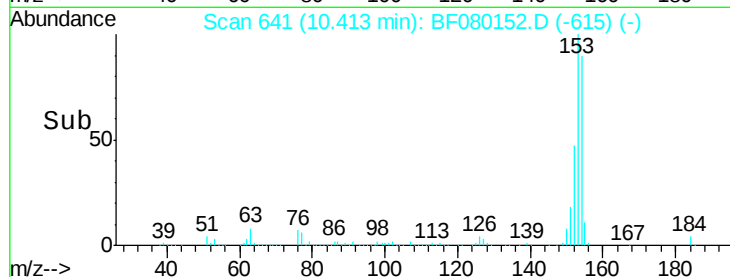
152 53.2 37.9 56.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 34.62 ng

RT: 10.31 min Scan# 632

Delta R.T. -0.00 min

Lab File: BF080152.D

Acq: 25 Jun 2015 3:06

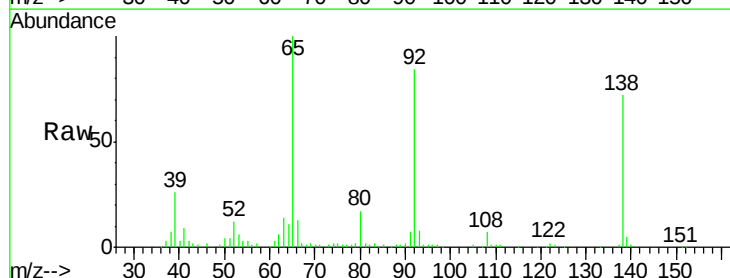
Tgt Ion:138 Resp: 60559

Ion Ratio Lower Upper

138 100

108 10.1 5.7 8.5#

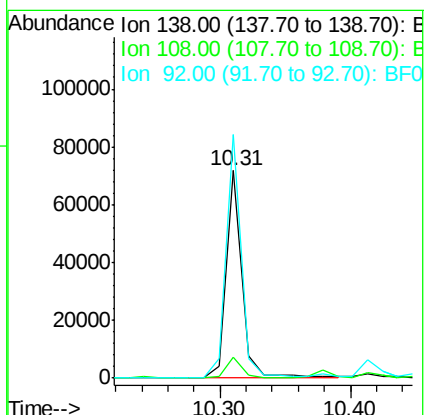
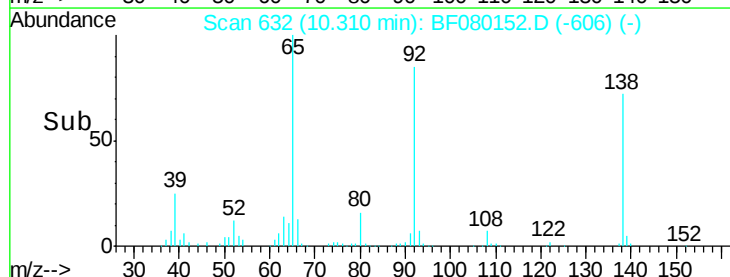
92 117.5 67.7 101.5#

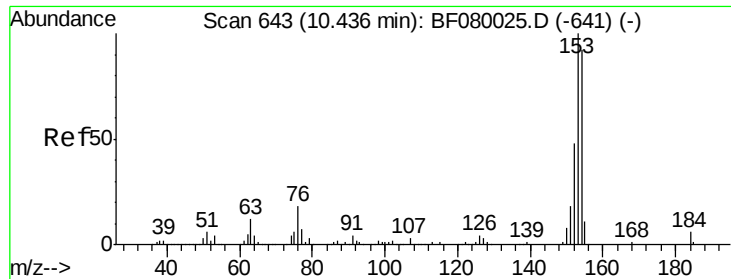


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

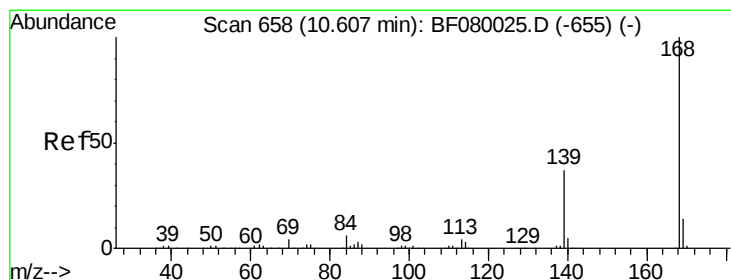
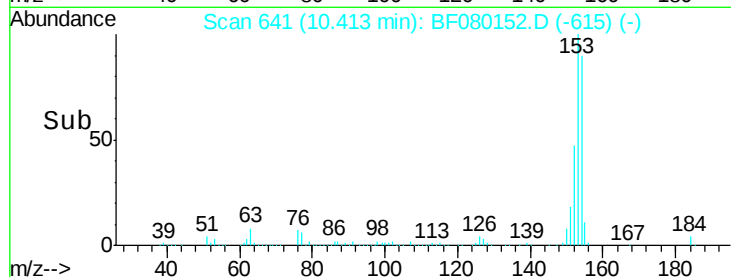
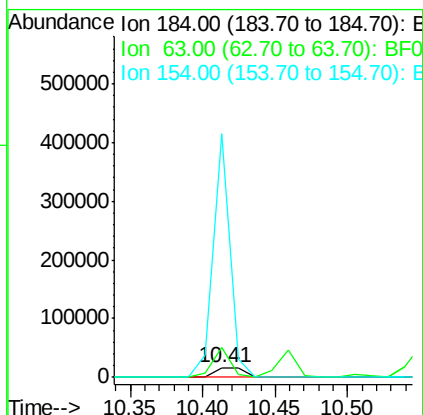
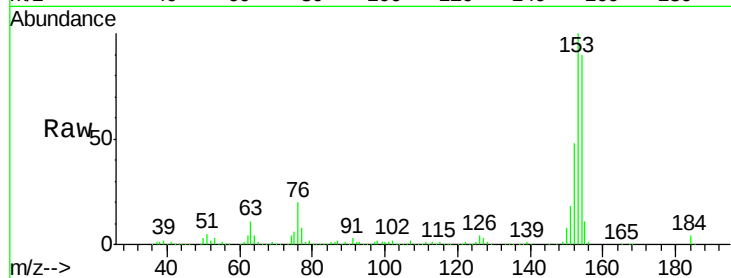




#53
2,4-Dinitrophenol
Concen: 41.21 ng
RT: 10.41 min Scan# 641
Delta R.T. -0.00 min
Lab File: BF080152.D
Acq: 25 Jun 2015 3:06

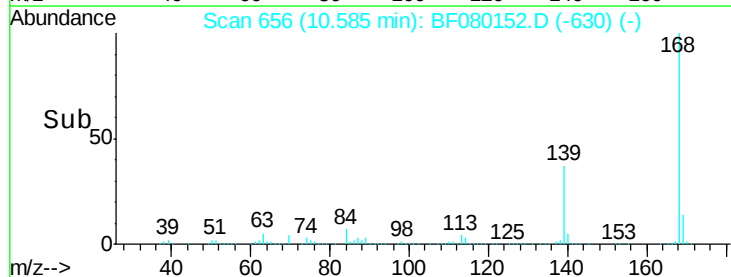
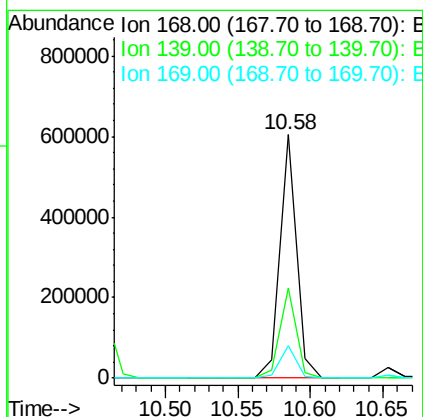
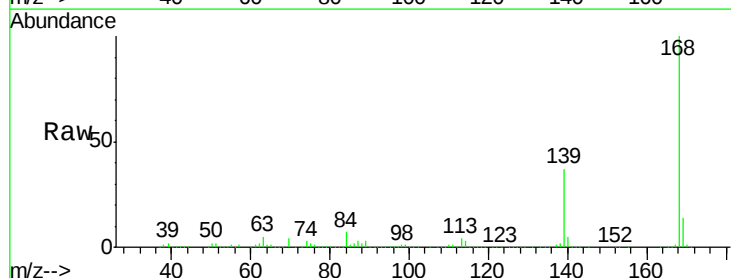
Instrument :
BNA_F
ClientSampleId :
SB-76(11-13)MSD

Tgt Ion:184 Resp: 23550
Ion Ratio Lower Upper
184 100
63 308.0 35.4 53.2#
154 2546.3 32.2 48.4#



#54
Dibenzofuran
Concen: 50.02 ng
RT: 10.58 min Scan# 656
Delta R.T. -0.00 min
Lab File: BF080152.D
Acq: 25 Jun 2015 3:06

Tgt Ion:168 Resp: 481297
Ion Ratio Lower Upper
168 100
139 37.0 24.2 36.2#
169 13.6 10.6 15.8





#55

4-Nitrophenol

Concen: 102.24 ng

RT: 10.46 min Scan# 645

Delta R.T. 0.01 min

Lab File: BF080152.D

Acq: 25 Jun 2015 3:06

Instrument :

BNA_F

ClientSampleId :

SB-76(11-13)MSD

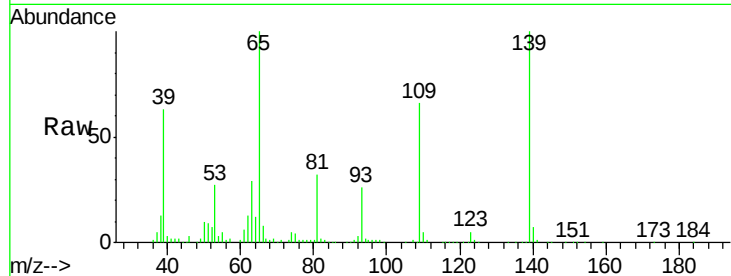
Tgt Ion:139 Resp: 142961

Ion Ratio Lower Upper

139 100

109 66.1 12.7 52.7#

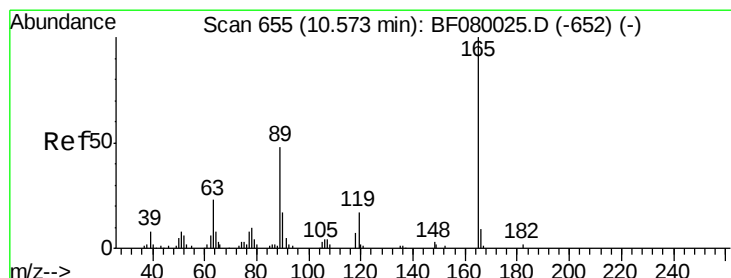
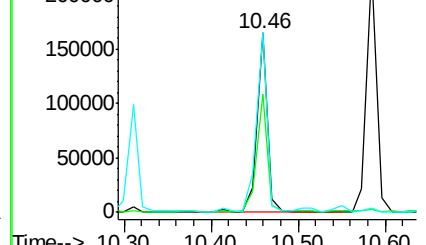
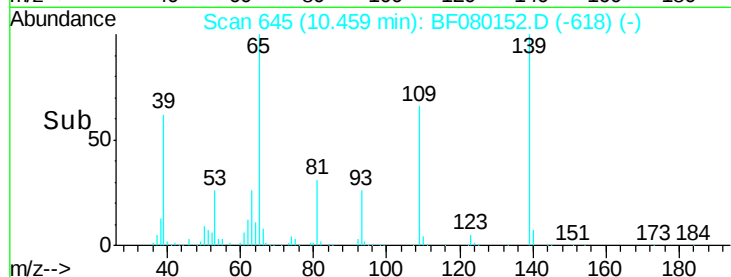
65 100.0 45.9 85.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 64.00 ng

RT: 10.55 min Scan# 653

Delta R.T. -0.00 min

Lab File: BF080152.D

Acq: 25 Jun 2015 3:06

Tgt Ion:165 Resp: 123137

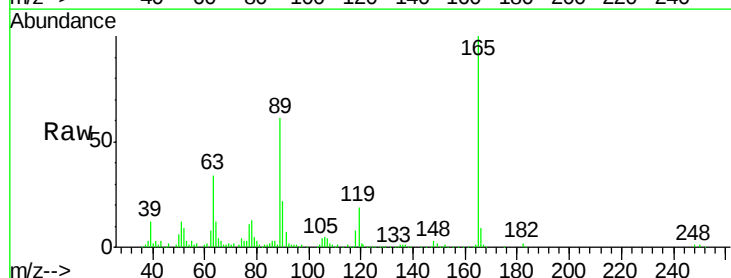
Ion Ratio Lower Upper

165 100

63 33.5 29.8 44.6

89 60.6 44.5 66.7

182 2.4 3.0 4.4#

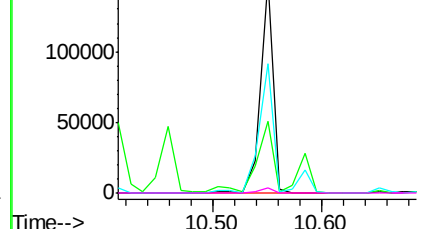
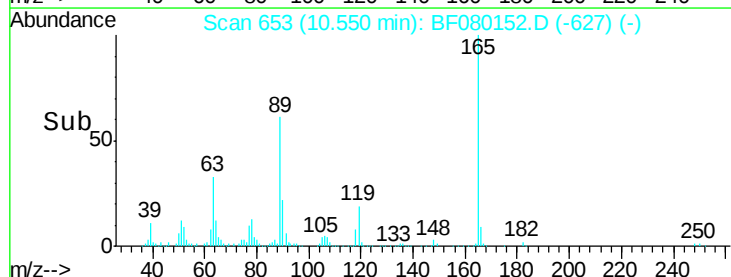


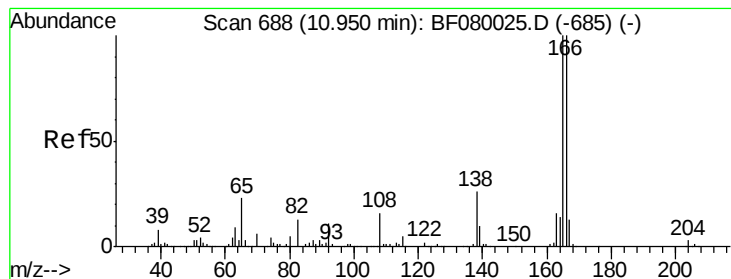
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 49.25 ng

RT: 10.93 min Scan# 686

Delta R.T. -0.00 min

Lab File: BF080152.D

Acq: 25 Jun 2015 3:06

Instrument :

BNA_F

ClientSampleId :

SB-76(11-13)MSD

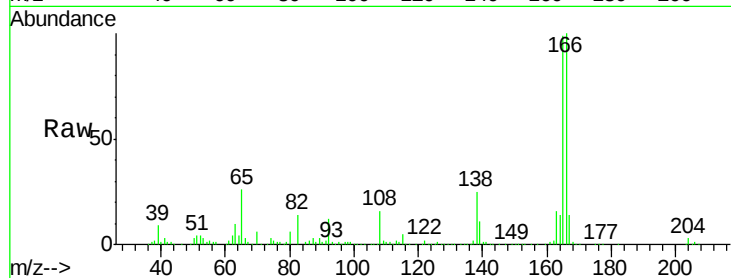
Tgt Ion:166 Resp: 376019

Ion Ratio Lower Upper

166 100

165 99.3 72.6 109.0

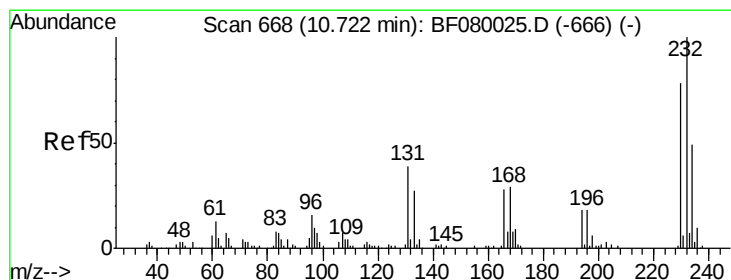
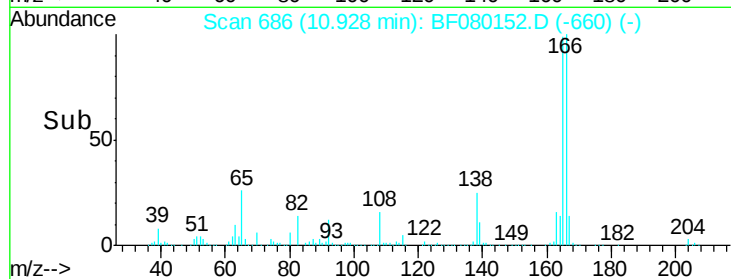
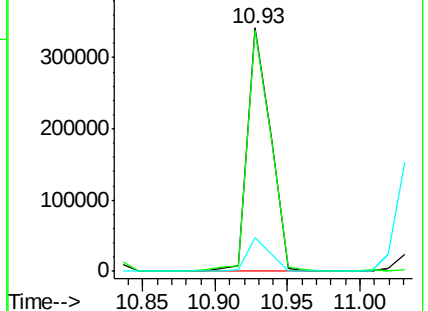
167 13.7 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 52.70 ng

RT: 10.70 min Scan# 666

Delta R.T. -0.00 min

Lab File: BF080152.D

Acq: 25 Jun 2015 3:06

Tgt Ion:232 Resp: 102109

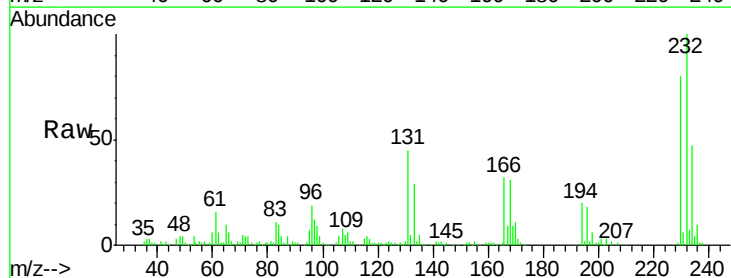
Ion Ratio Lower Upper

232 100

131 44.2 38.5 57.7

130 2.3 1.8 2.6

166 31.8 25.0 37.6



Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

