

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
 Data File : BF084931.D
 Acq On : 8 Feb 2016 16:27
 Operator : SJ/IZ
 Sample : H1311-15
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B008(25-27)

Quant Time: Feb 09 02:35:18 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	142039	20.00	ng	0.02
21) Naphthalene-d8	7.98	136	257010	20.00	ng	0.01
38) Acenaphthene-d10	9.69	164	286742	20.00	ng	-0.05
63) Phenanthrene-d10	11.16	188	506204	20.00	ng	-0.05
75) Chrysene-d12	13.79	240	359016	20.00	ng	-0.05
86) Perylene-d12	15.16	264	305837	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	264137	28.97	ng	0.01
7) Phenol-d6	6.34	99	800122	70.78	ng	0.00
23) Nitrobenzene-d5	7.29	82	529091	115.97	ng	0.02
41) 2,4,6-Tribromophenol	10.48	330	326804	109.26	ng	-0.05
44) 2-Fluorobiphenyl	9.02	172	1269406	70.42	ng	-0.03
78) Terphenyl-d14	12.75	244	1155402	72.93	ng	-0.05

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Pyridine	2.80	79	65760	6.32	ng	# 42
4) n-Nitrosodimethylamine	2.80	42	182398	33.89	ng	# 1
6) Aniline	6.38	93	55254	3.99	ng	# 1
9) Benzaldehyde	6.25	77	2268078	339.74	ng	# 1
10) Phenol	6.35	94	53594	4.23	ng	# 1
11) bis(2-Chloroethyl)ether	6.38	93	55254	5.59	ng	# 1
15) Benzyl Alcohol	6.86	79	52659	6.75	ng	# 33
17) 2-Methylphenol	6.98	107	99652	12.21	ng	# 1
18) Hexachloroethane	7.30	117	7726240	1840.28	ng	# 14
19) n-Nitroso-di-n-propylamine	7.13	70	244308	34.48	ng	# 61
20) 3+4-Methylphenols	7.15	107	86415	8.53	ng	# 1
22) Acetophenone	7.12	105	4046378	597.36	ng	# 55
24) Nitrobenzene	7.28	77	864784	177.00	ng	# 22
25) Isophorone	7.54	82	140359	15.82	ng	# 1
26) 2-Nitrophenol	7.63	139	21299	8.84	ng	# 1
27) 2,4-Dimethylphenol	7.65	122	95561	22.80	ng	# 1
28) bis(2-Chloroethoxy)methane	7.76	93	114920	21.84	ng	# 39
29) 2,4-Dichlorophenol	7.84	162	29552	8.24	ng	# 1
31) Naphthalene	8.02	128	7650748	593.46	ng	# 93
32) Benzoic acid	7.79	122	44565	16.62	ng	# 1
33) 4-Chloroaniline	8.02	127	1523522	285.75	ng	# 47
35) Caprolactam	8.41	113	143874	130.16	ng	# 1
36) 4-Chloro-3-methylphenol	8.60	107	30032	7.34	ng	# 29
37) 2-Methylnaphthalene	8.69	142	5041464	624.83	ng	# 96
40) Hexachlorocyclopentadiene	8.68	237	2193	2.62	ng	76
45) 1,1'-Biphenyl	9.12	154	122433	4.78	ng	96
49) Dimethylphthalate	9.41	163	292629	13.40	ng	# 91
53) 2,4-Dinitrophenol	9.87	184	211	5.89	ng	# 1
55) 4-Nitrophenol	9.79	139	16706	4.24	ng	# 70
56) 2,4-Dinitrotoluene	9.87	165	19442	3.19	ng	# 47
57) Fluorene	10.22	166	62978	3.31	ng	# 96
60) 4-Chlorophenyl-phenylether	10.24	204	1064	Below Cal		# 1
65) n-Nitrosodiphenylamine	10.35	169	44786	2.79	ng	# 46
70) Phenanthrene	11.18	178	227102	8.09	ng	98

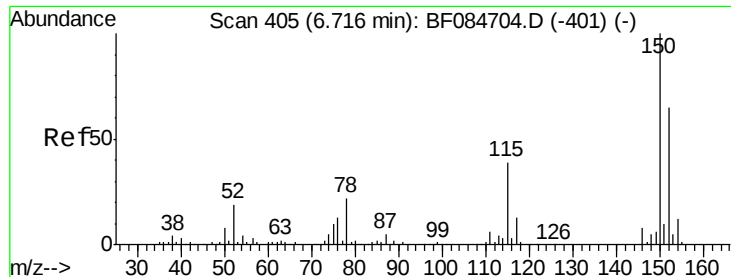
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Anthracene	11.18	178	227102	8.03	ng	98
74) Fluoranthene	12.39	202	167116	5.88	ng	97
76) Benzidine	12.43	184	575	6.92	ng #	1
77) Pyrene	12.60	202	160192	5.83	ng	99
80) Benzo(a)anthracene	13.78	228	50208	2.25	ng	96
82) Chrysene	13.78	228	50208	2.32	ng	95
87) Benzo(b)fluoranthene	14.79	252	50358	2.45	ng #	75
88) Benzo(k)fluoranthene	14.79	252	50358	2.96	ng #	77

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 404

Delta R.T. 0.02 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

Instrument :

BNA_F

ClientSampleId :

SUP-B008(25-27)

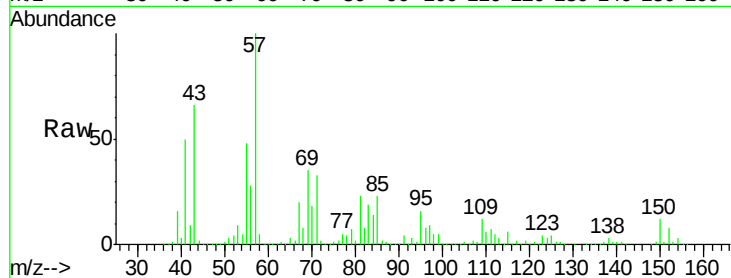
Tgt Ion:152 Resp: 142039

Ion Ratio Lower Upper

152 100

150 147.5 123.0 184.4

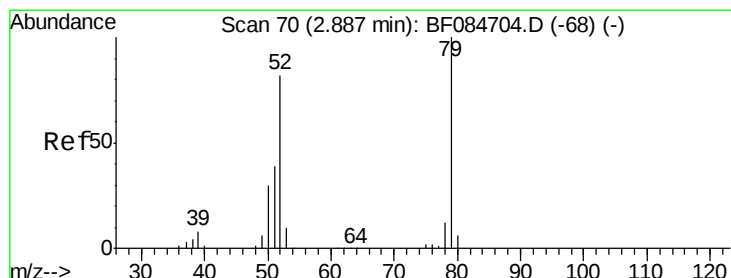
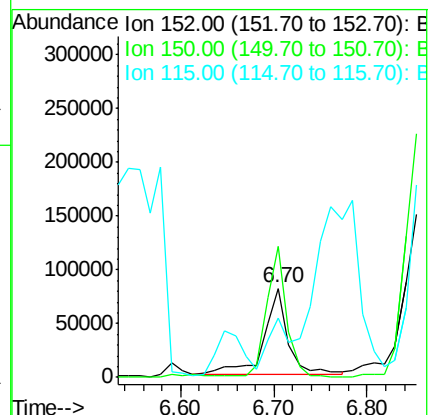
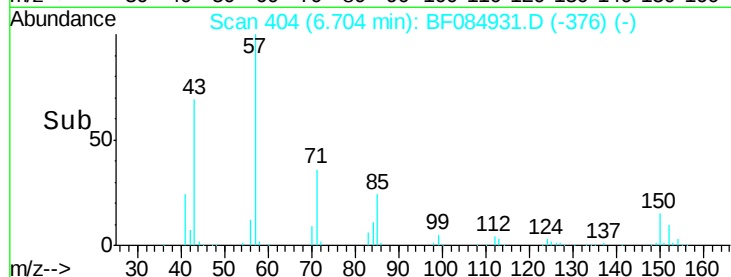
115 67.2 51.4 77.2



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



#3

Pyridine

Concen: 6.32 ng

RT: 2.80 min Scan# 62

Delta R.T. -0.05 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

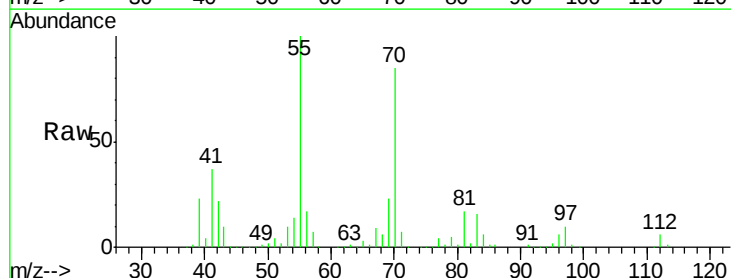
Tgt Ion: 79 Resp: 65760

Ion Ratio Lower Upper

79 100

52 28.4 49.0 73.4#

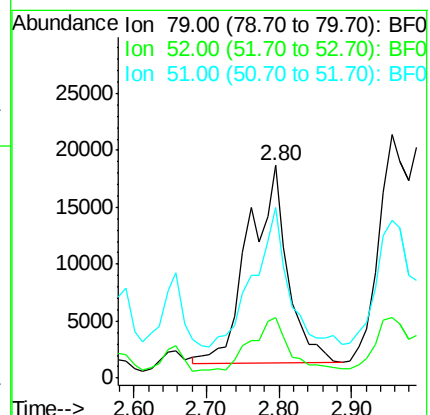
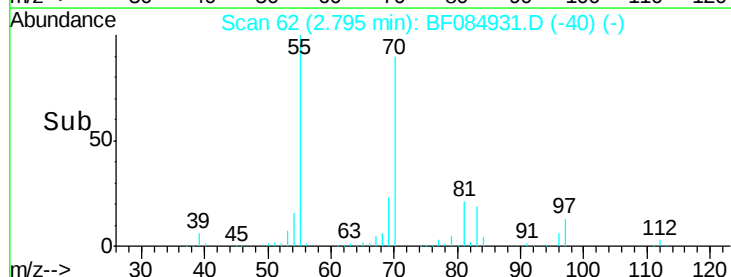
51 80.0 25.2 37.8#

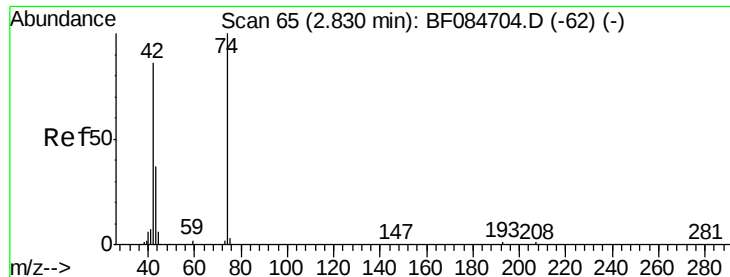


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0





#4

n-Nitrosodimethylamine

Concen: 33.89 ng

RT: 2.80 min Scan# 62

Delta R.T. -0.00 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

Instrument :

BNA_F

ClientSampleId :

SUP-B008(25-27)

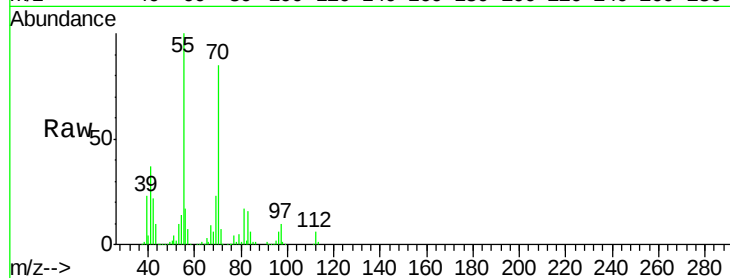
Tgt Ion: 42 Resp: 182398

Ion Ratio Lower Upper

42 100

74 0.6 115.7 173.5#

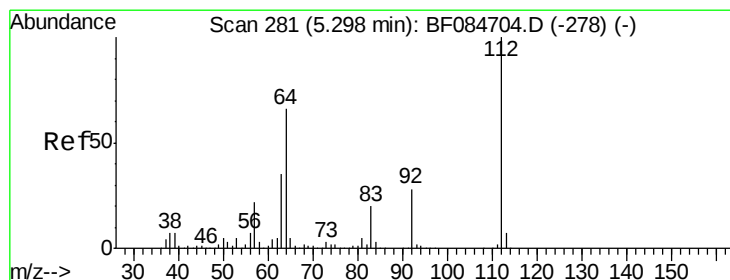
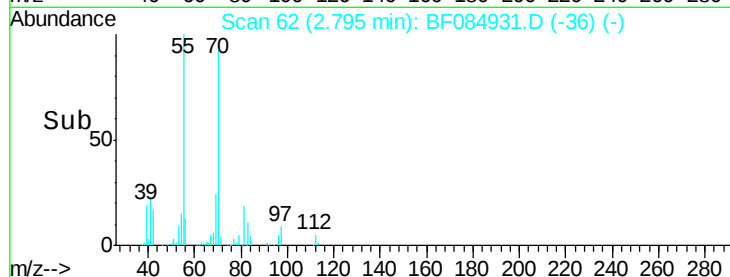
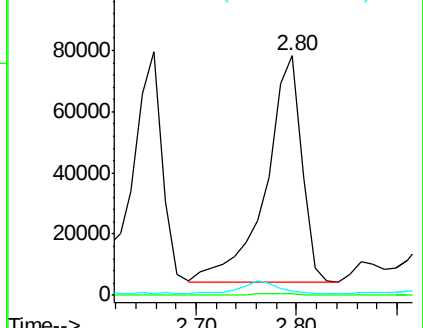
44 1.9 5.1 7.7#



Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0



#5

2-Fluorophenol

Concen: 28.97 ng

RT: 5.29 min Scan# 280

Delta R.T. 0.01 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

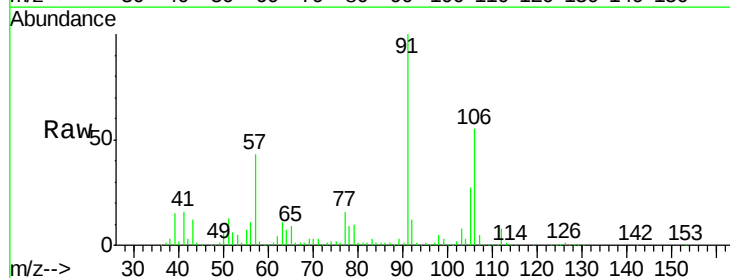
Tgt Ion: 112 Resp: 264137

Ion Ratio Lower Upper

112 100

64 86.3 36.6 55.0#

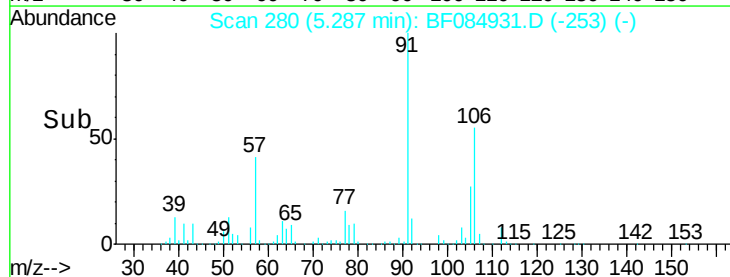
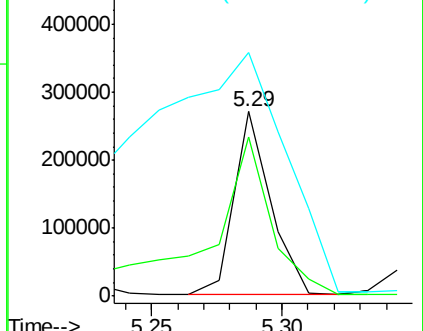
63 132.1 19.4 29.0#

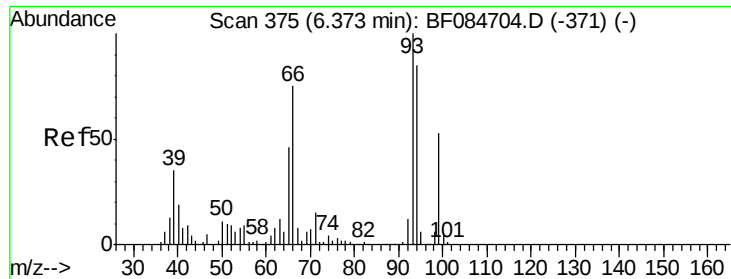


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 3.99 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.03 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

Instrument :

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ClientSampleId :

SUP-B008(25-27)

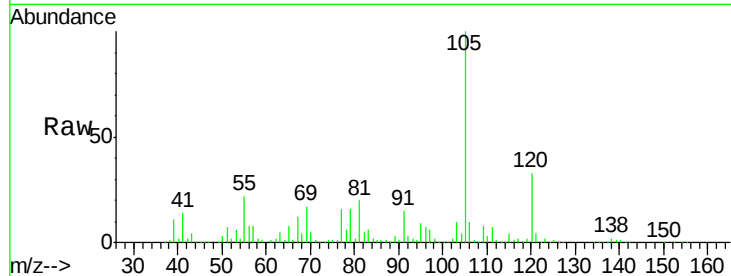
Tgt Ion: 93 Resp: 55254

Ion Ratio Lower Upper

93 100

66 69.8 44.9 67.3#

65 386.9 23.7 35.5#



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

300000

250000

200000

150000

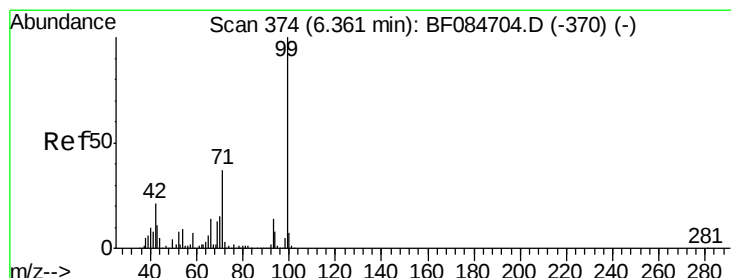
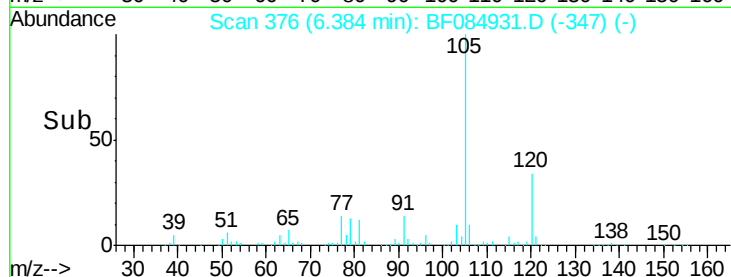
100000

50000

0

6.35 6.40 6.45

Time-->



#7

Phenol-d6

Concen: 70.78 ng

RT: 6.34 min Scan# 372

Delta R.T. 0.00 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

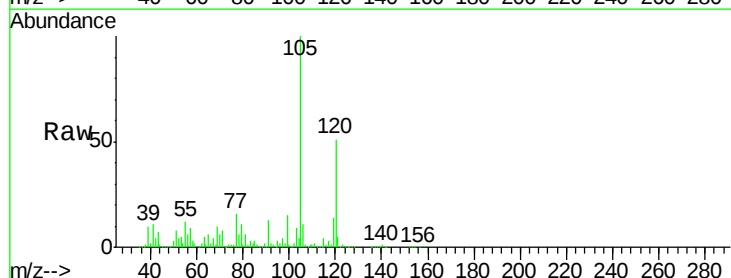
Tgt Ion: 99 Resp: 800122

Ion Ratio Lower Upper

99 100

42 25.2 12.8 19.2#

71 52.0 30.9 46.3#



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

1000000

800000

600000

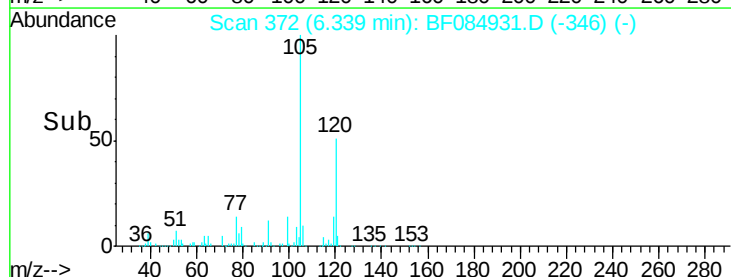
400000

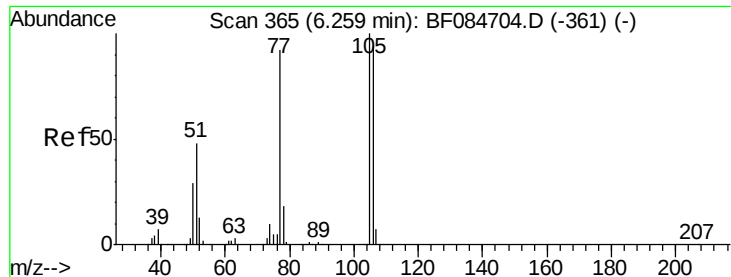
200000

0

6.20 6.30 6.40 6.50

Time-->





#9

Benzaldehyde

Concen: 339.74 ng

RT: 6.25 min Scan# 364

Delta R.T. 0.01 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

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SUP-B008(25-27)

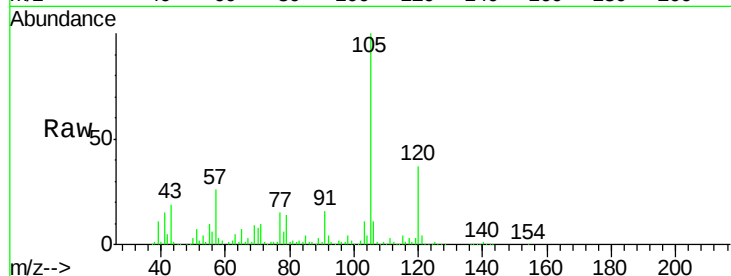
Tgt Ion: 77 Resp: 2268078

Ion Ratio Lower Upper

77 100

105 646.7 83.0 123.0#

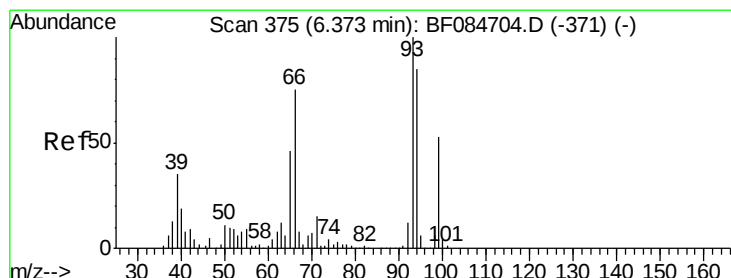
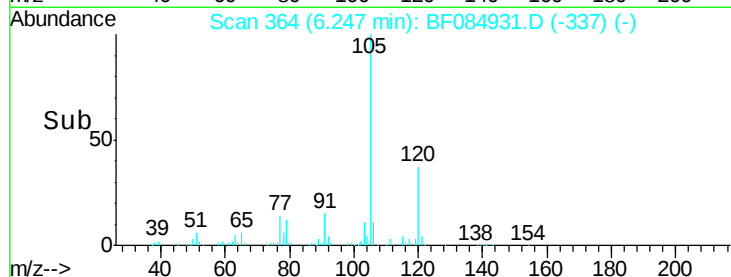
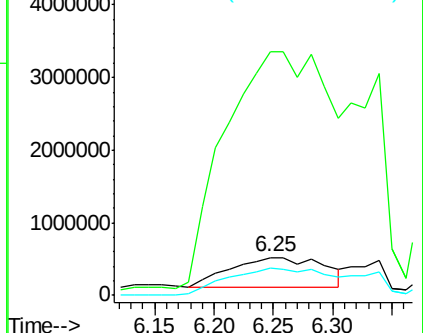
106 71.0 74.6 114.6#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 4.23 ng

RT: 6.35 min Scan# 373

Delta R.T. 0.00 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

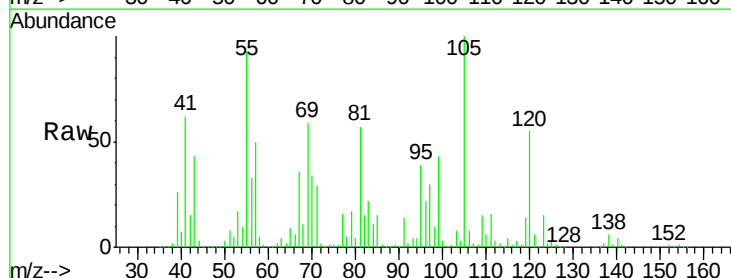
Tgt Ion: 94 Resp: 53594

Ion Ratio Lower Upper

94 100

65 248.2 12.9 52.9#

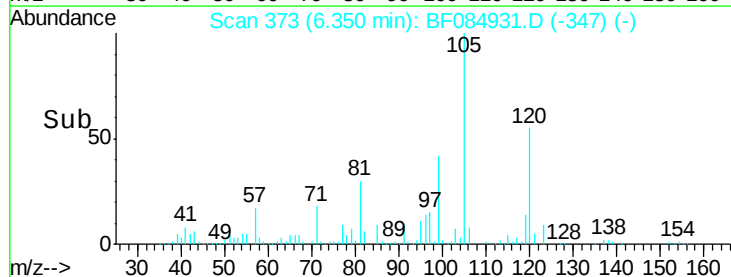
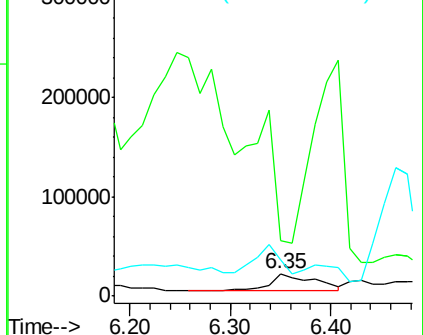
66 164.1 32.7 72.7#

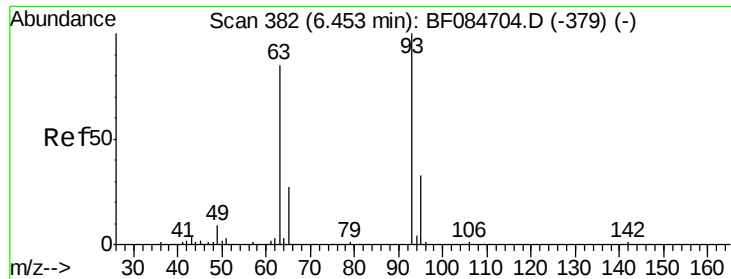


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

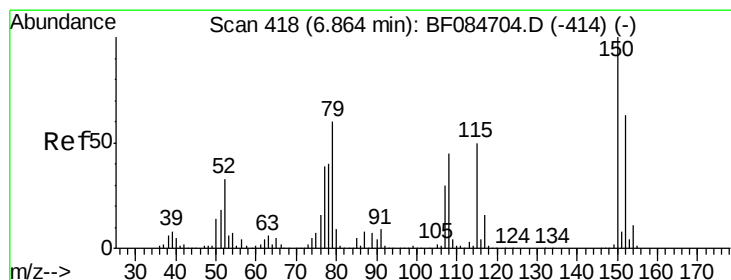
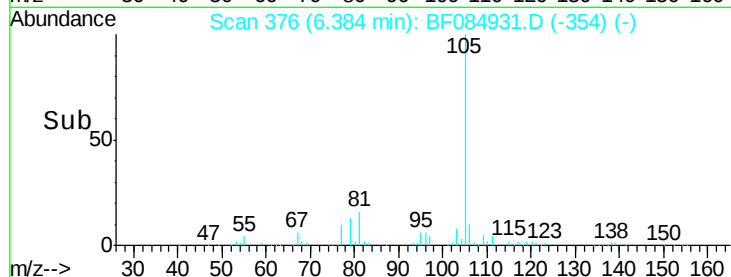
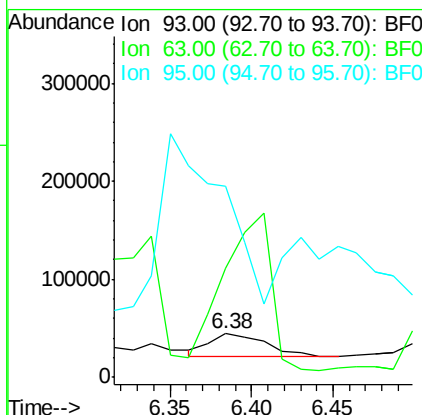
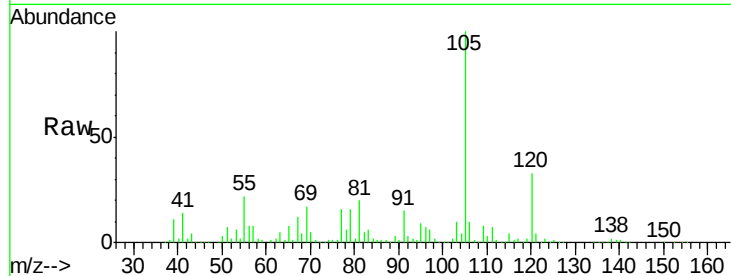




#11
bis(2-Chloroethyl)ether
Concen: 5.59 ng
RT: 6.38 min Scan# 376
Delta R.T. -0.05 min
Lab File: BF084931.D
Acq: 8 Feb 2016 16:27

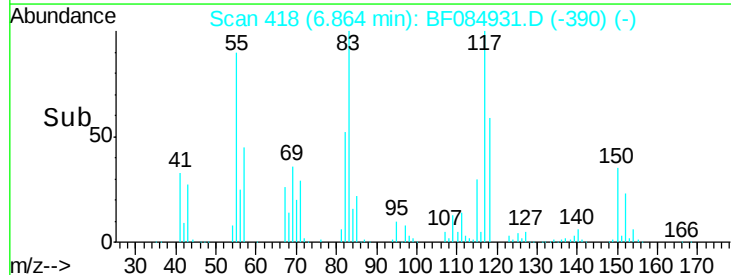
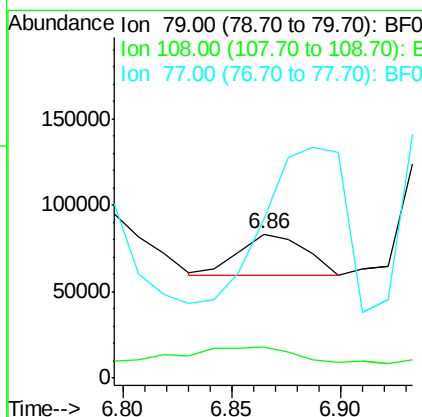
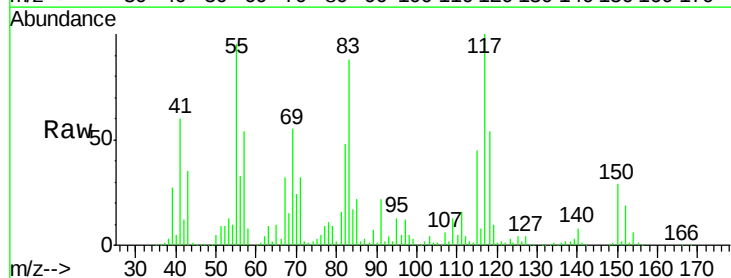
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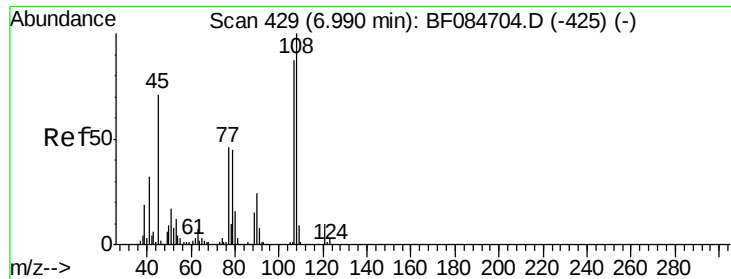
Tgt Ion: 93 Resp: 55254
Ion Ratio Lower Upper
93 100
63 249.1 45.9 85.9#
95 436.1 12.3 52.3#



#15
Benzyl Alcohol
Concen: 6.75 ng
RT: 6.86 min Scan# 418
Delta R.T. 0.02 min
Lab File: BF084931.D
Acq: 8 Feb 2016 16:27

Tgt Ion: 79 Resp: 52659
Ion Ratio Lower Upper
79 100
108 21.4 69.0 103.4#
77 110.0 50.0 75.0#

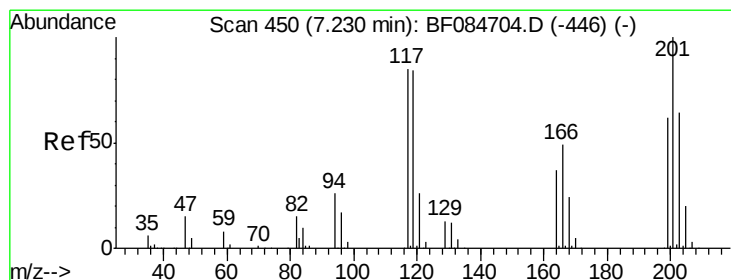
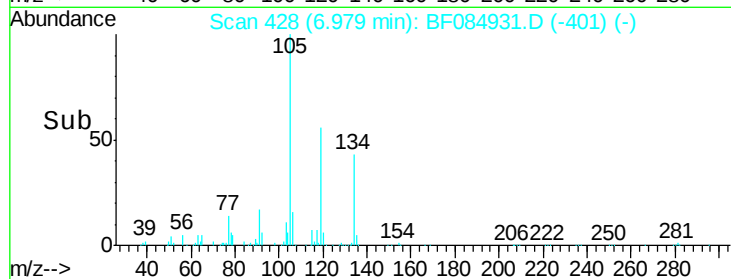
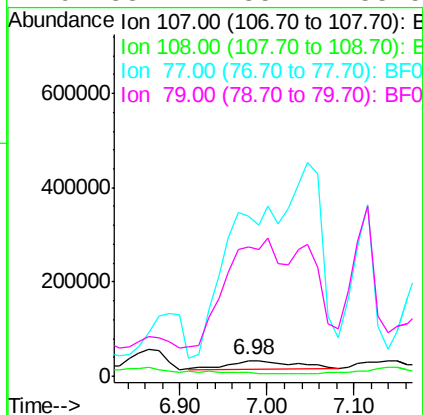
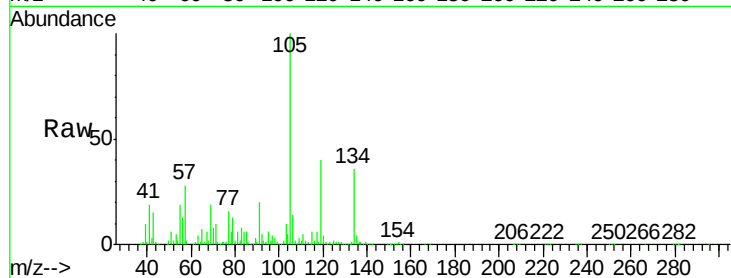




#17
2-Methylphenol
Concen: 12.21 ng
RT: 6.98 min Scan# 428
Delta R.T. 0.01 min
Lab File: BF084931.D
Acq: 8 Feb 2016 16:27

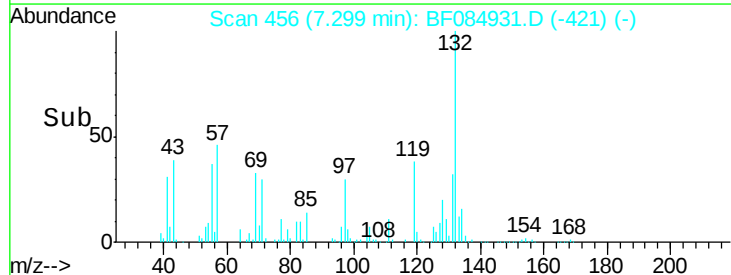
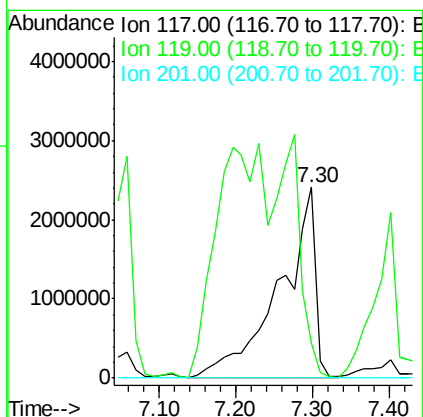
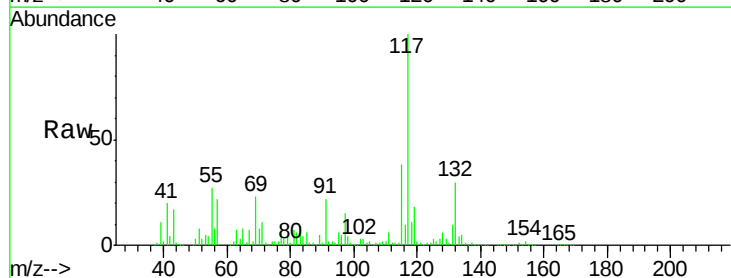
Instrument :
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SUP-B008(25-27)

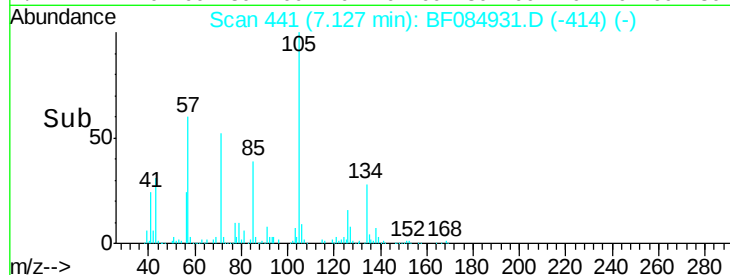
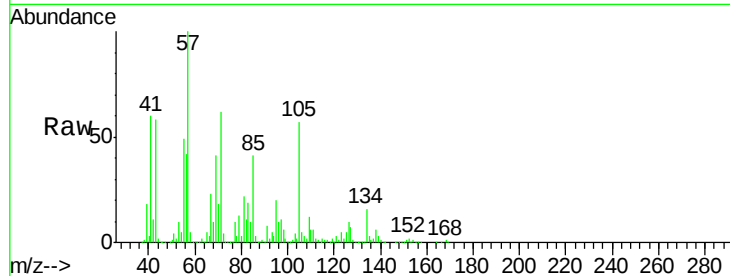
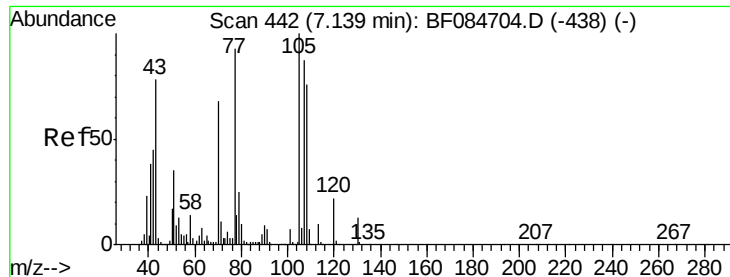
Tgt Ion:107 Resp: 99652
Ion Ratio Lower Upper
107 100
108 23.1 89.8 134.6#
77 1035.5 35.7 53.5#
79 834.4 35.7 53.5#



#18
Hexachloroethane
Concen: 1840.28 ng
RT: 7.30 min Scan# 456
Delta R.T. 0.10 min
Lab File: BF084931.D
Acq: 8 Feb 2016 16:27

Tgt Ion:117 Resp: 7726240
Ion Ratio Lower Upper
117 100
119 18.1 77.4 116.0#
201 0.0 68.6 103.0#

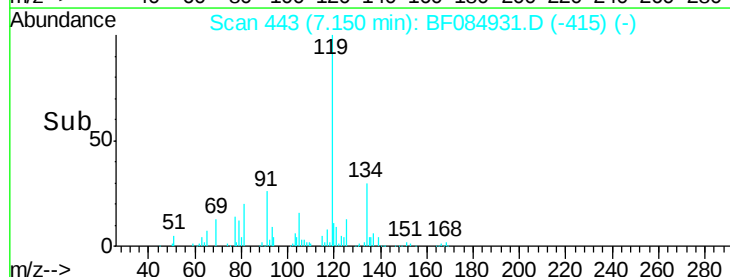
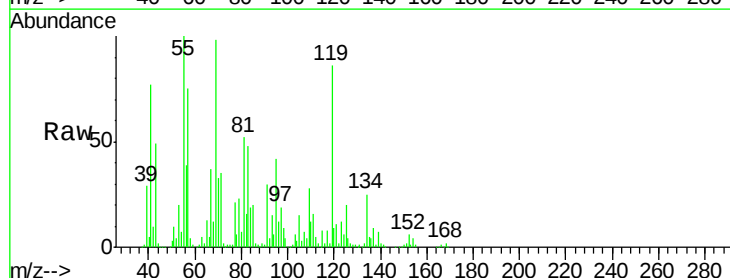
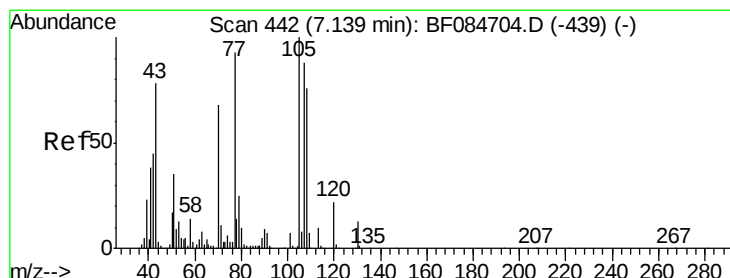
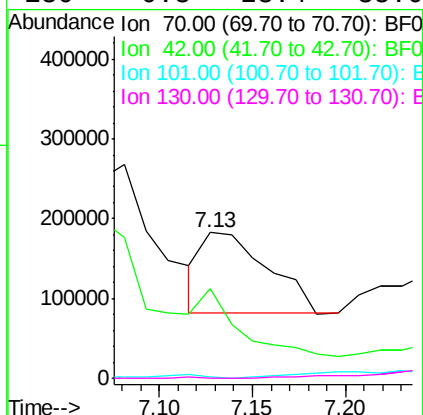




#19
n-Nitroso-di-n-propylamine
Concen: 34.48 ng
RT: 7.13 min Scan# 441
Delta R.T. 0.01 min
Lab File: BF084931.D
Acq: 8 Feb 2016 16:27

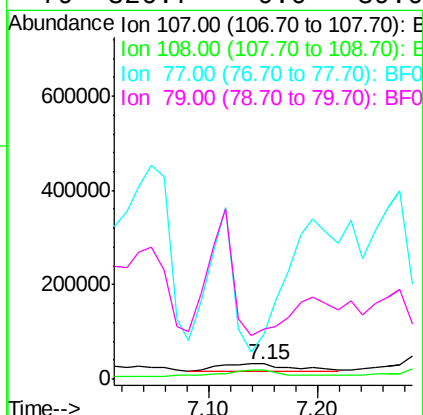
Instrument :
BNA_F
ClientSampleId :
SUP-B008(25-27)

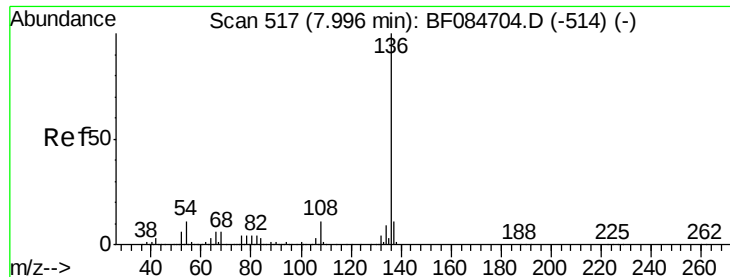
Tgt Ion:	70	Resp:	244308
Ion	Ratio	Lower	Upper
70	100		
42	61.6	33.3	49.9#
101	0.8	9.3	13.9#
130	0.3	23.4	35.0#



#20
3+4-Methylphenols
Concen: 8.53 ng
RT: 7.15 min Scan# 443
Delta R.T. 0.02 min
Lab File: BF084931.D
Acq: 8 Feb 2016 16:27

Tgt Ion:	107	Resp:	86415
Ion	Ratio	Lower	Upper
107	100		
108	57.3	74.6	114.6#
77	296.0	0.7	40.7#
79	326.7	0.0	39.0#

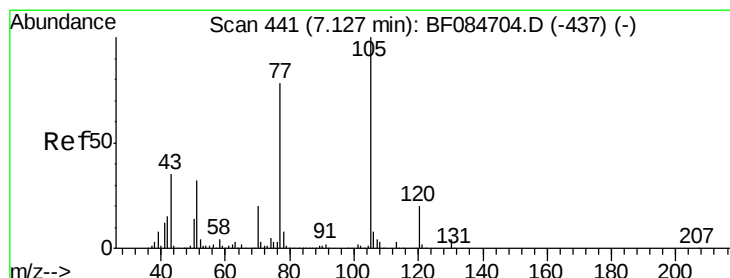
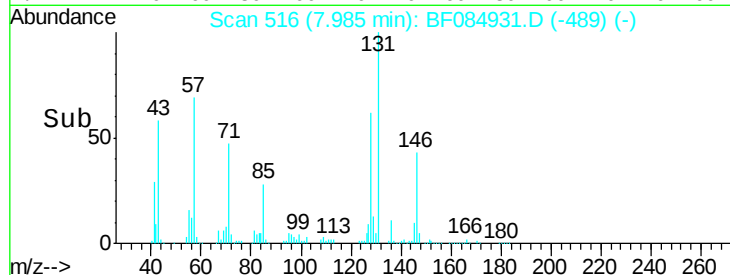
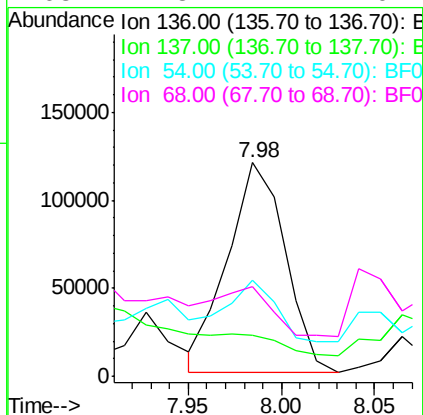
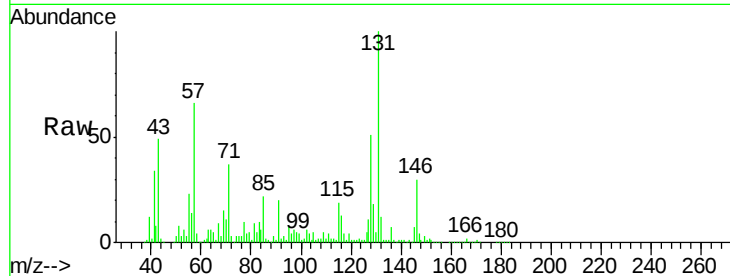




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 516
Delta R.T. 0.01 min
Lab File: BF084931.D
Acq: 8 Feb 2016 16:27

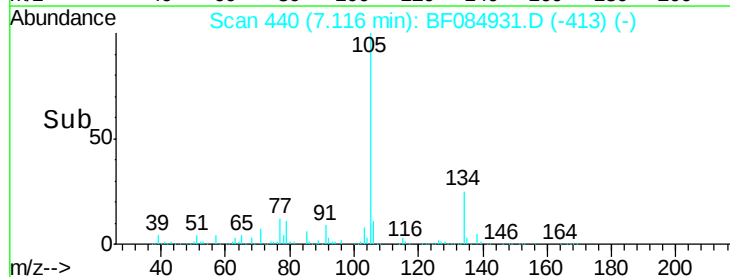
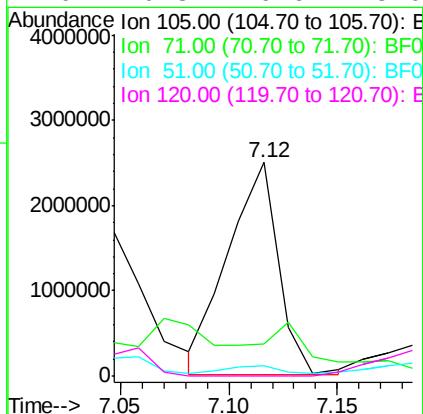
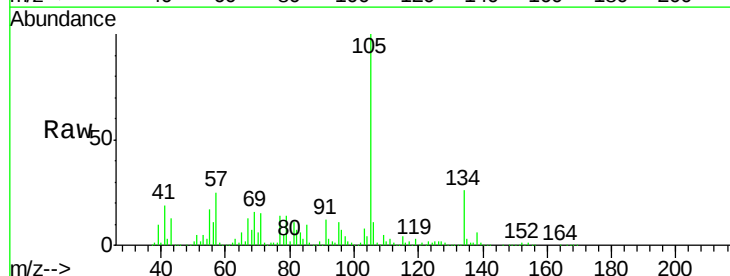
Instrument :
BNA_F
ClientSampleId :
SUP-B008(25-27)

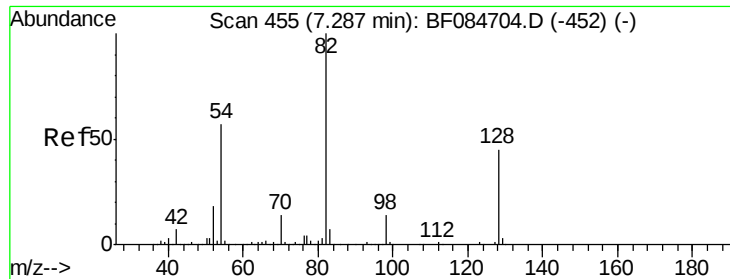
Tgt Ion:	136	Resp:	257010
Ion	Ratio	Lower	Upper
136	100		
137	19.5	8.7	13.1#
54	45.1	5.8	8.8#
68	41.8	4.2	6.2#



#22
Acetophenone
Concen: 597.36 ng
RT: 7.12 min Scan# 440
Delta R.T. 0.01 min
Lab File: BF084931.D
Acq: 8 Feb 2016 16:27

Tgt Ion:	105	Resp:	4046378
Ion	Ratio	Lower	Upper
105	100		
71	14.8	3.7	5.5#
51	4.9	25.1	37.7#
120	0.3	16.6	25.0#

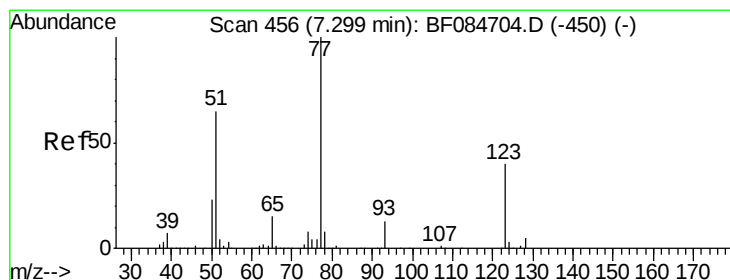
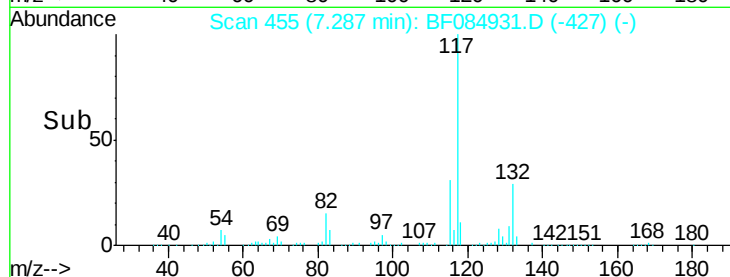
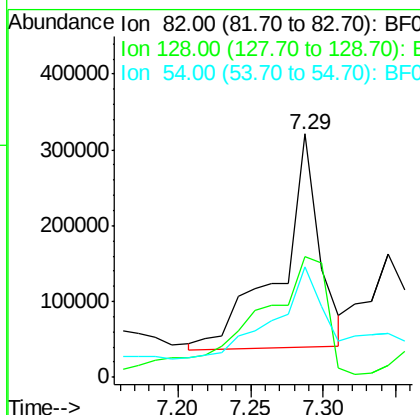
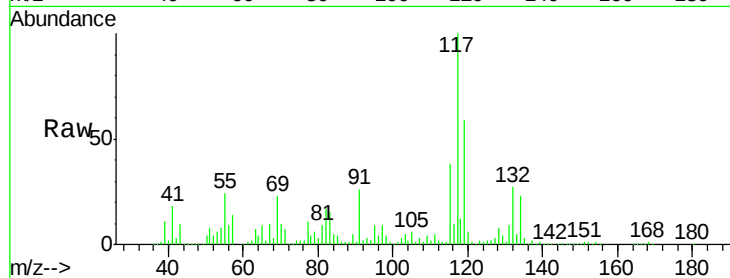




#23
 Nitrobenzene-d5
 Concen: 115.97 ng
 RT: 7.29 min Scan# 455
 Delta R.T. 0.02 min
 Lab File: BF084931.D
 Acq: 8 Feb 2016 16:27

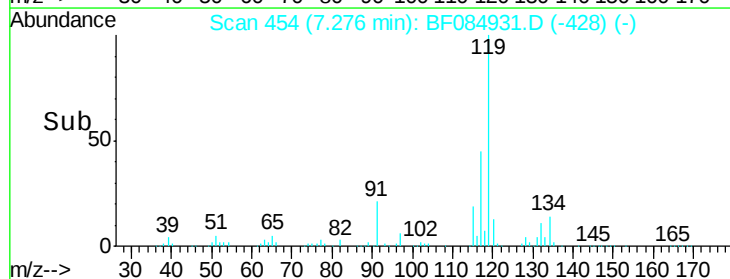
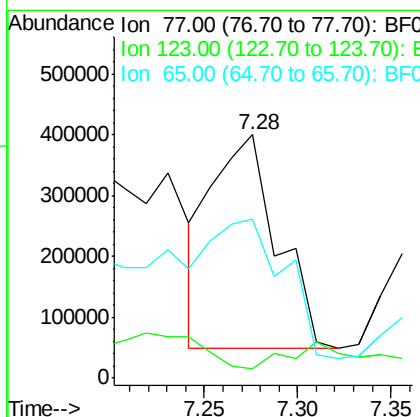
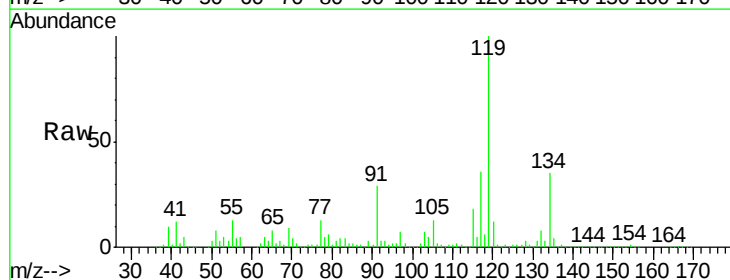
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B008(25-27)

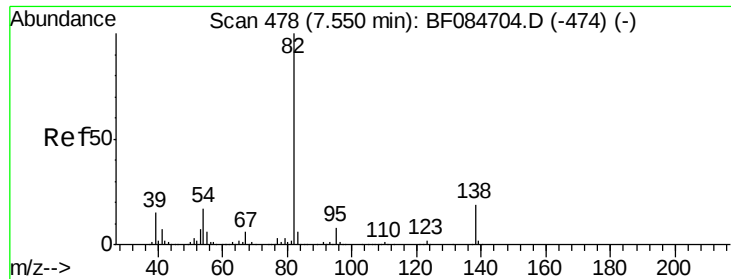
Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.6	34.6	51.8
54	45.6	38.4	57.6



#24
 Nitrobenzene
 Concen: 177.00 ng
 RT: 7.28 min Scan# 454
 Delta R.T. 0.00 min
 Lab File: BF084931.D
 Acq: 8 Feb 2016 16:27

Tgt Ion	Ratio	Lower	Upper
77	100		
123	4.1	37.4	56.2#
65	65.2	10.9	16.3#





#25

Isophorone

Concen: 15.82 ng

RT: 7.54 min Scan# 477

Delta R.T. 0.01 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

Instrument :

BNA_F

ClientSampleId :

SUP-B008(25-27)

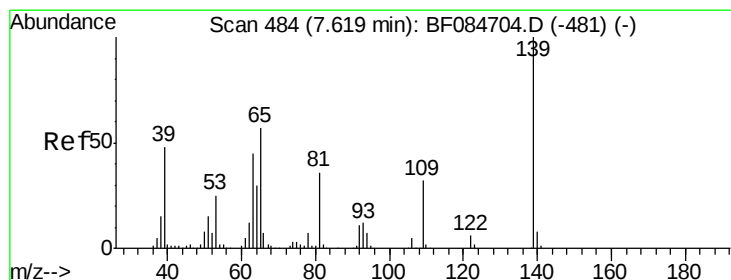
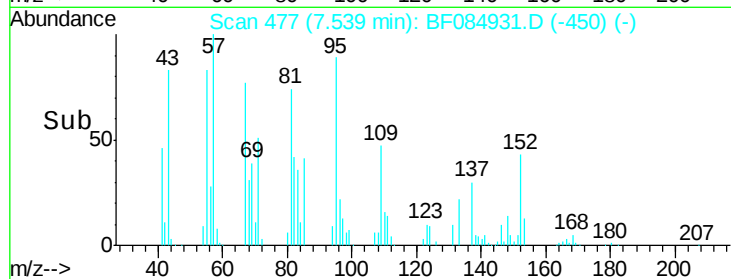
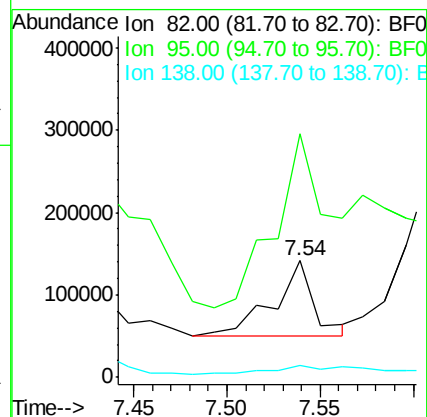
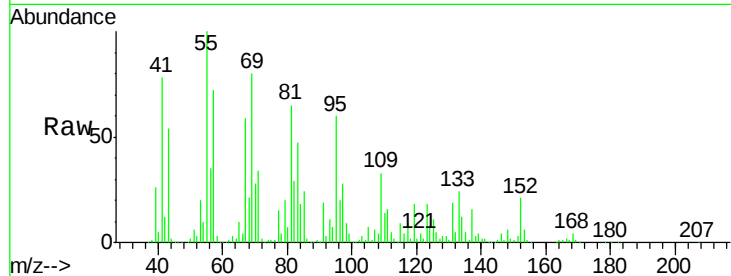
Tgt Ion: 82 Resp: 140359

Ion Ratio Lower Upper

82 100

95 209.3 6.6 10.0#

138 10.0 13.6 20.4#



#26

2-Nitrophenol

Concen: 8.84 ng

RT: 7.63 min Scan# 485

Delta R.T. 0.03 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

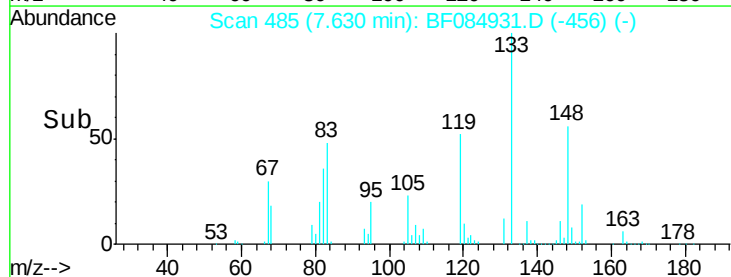
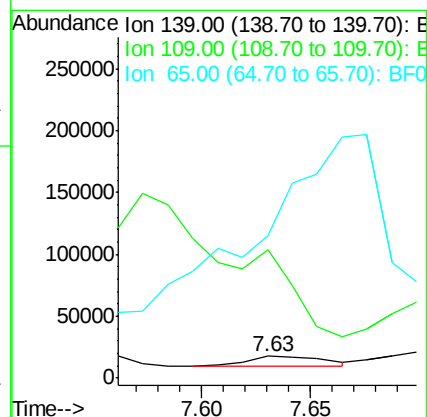
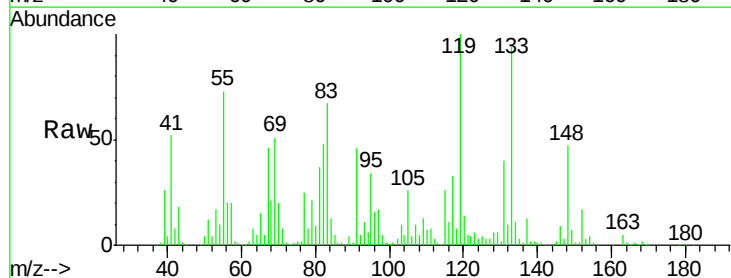
Tgt Ion: 139 Resp: 21299

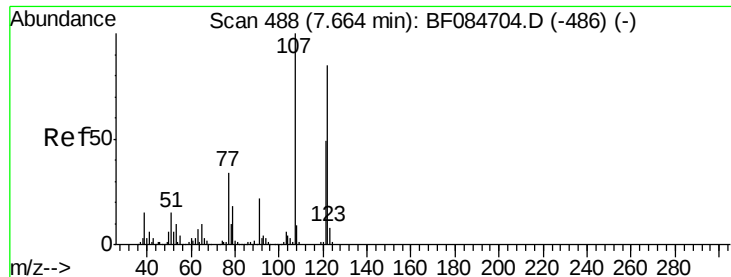
Ion Ratio Lower Upper

139 100

109 584.5 25.4 38.2#

65 653.3 32.3 48.5#

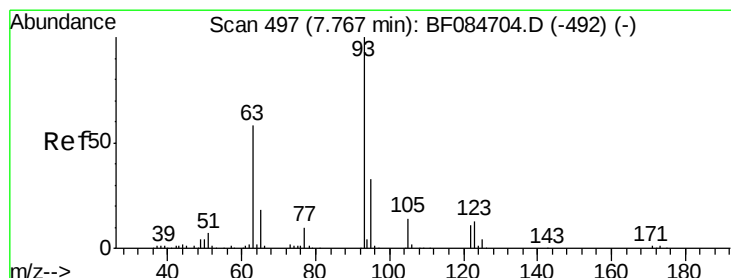
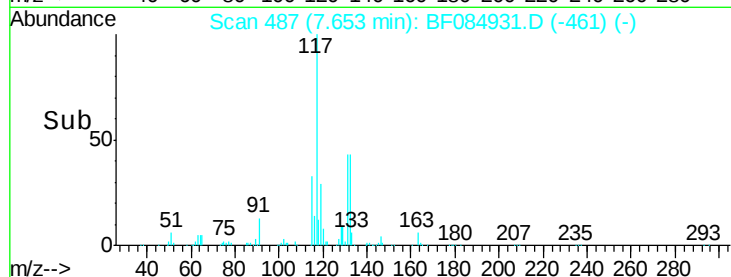
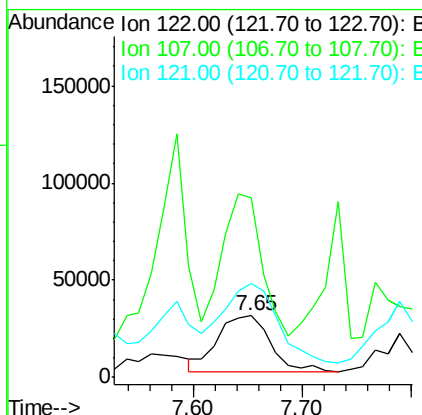
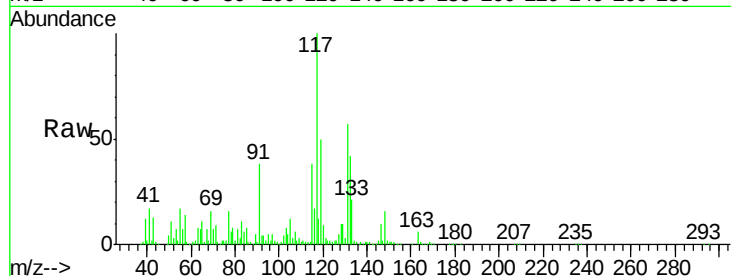




#27
 2,4-Dimethylphenol
 Concen: 22.80 ng
 RT: 7.65 min Scan# 487
 Delta R.T. 0.00 min
 Lab File: BF084931.D
 Acq: 8 Feb 2016 16:27

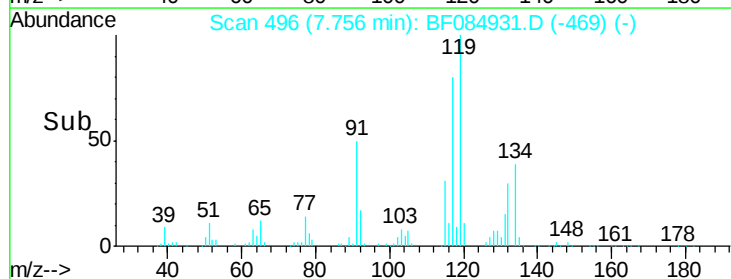
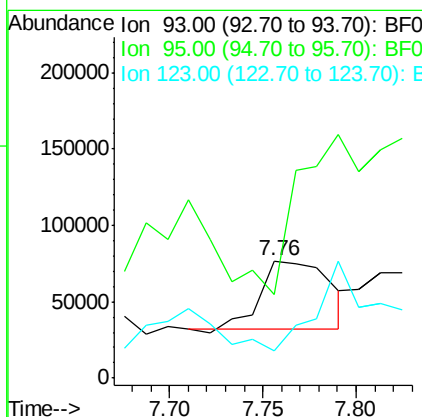
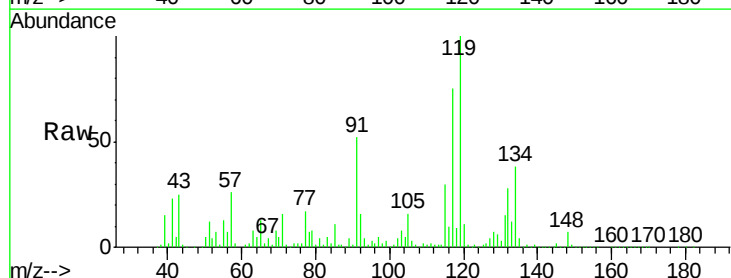
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B008(25-27)

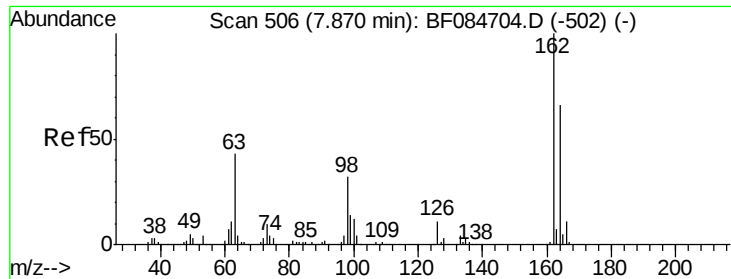
Tgt Ion:122 Resp: 95561
 Ion Ratio Lower Upper
 122 100
 107 293.3 99.1 148.7#
 121 154.0 47.9 71.9#



#28
 bis(2-Chloroethoxy)methane
 Concen: 21.84 ng
 RT: 7.76 min Scan# 496
 Delta R.T. 0.01 min
 Lab File: BF084931.D
 Acq: 8 Feb 2016 16:27

Tgt Ion: 93 Resp: 114920
 Ion Ratio Lower Upper
 93 100
 95 71.4 25.8 38.6#
 123 22.9 8.6 12.8#





#29

2,4-Dichlorophenol

Concen: 8.24 ng

RT: 7.84 min Scan# 503

Delta R.T. -0.01 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

Instrument :

BNA_F

ClientSampleId :

SUP-B008(25-27)

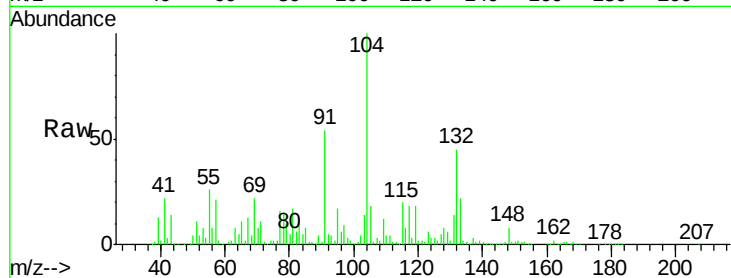
Tgt Ion:162 Resp: 29552

Ion Ratio Lower Upper

162 100

164 27.5 44.1 84.1#

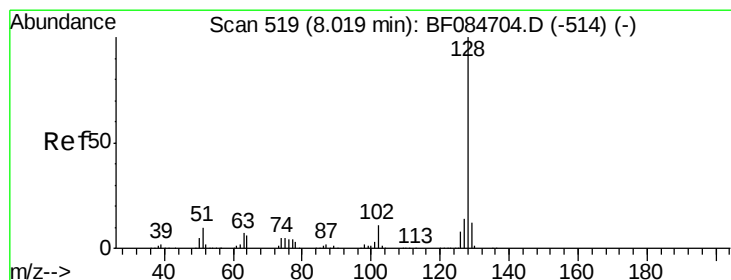
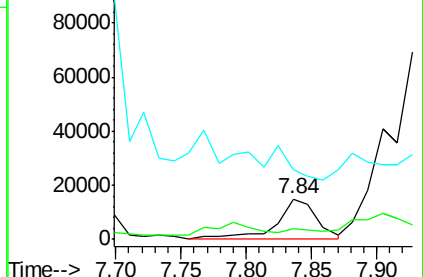
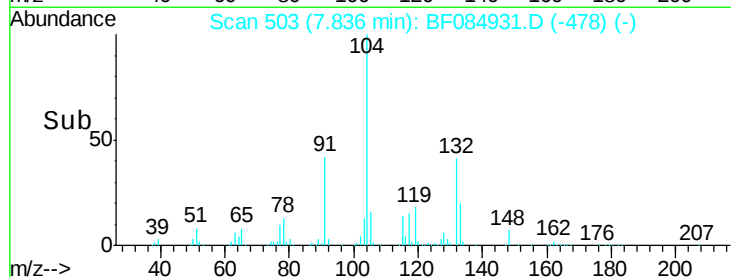
98 171.0 20.2 60.2#



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



#31

Naphthalene

Concen: 593.46 ng

RT: 8.02 min Scan# 519

Delta R.T. 0.02 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

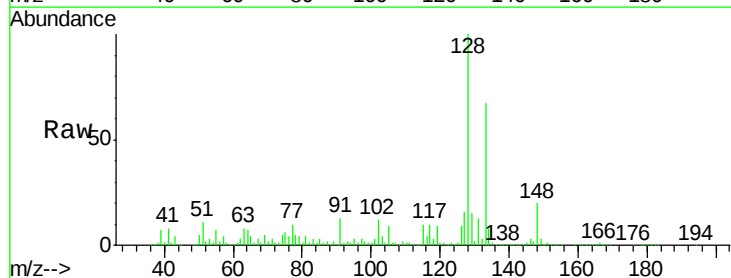
Tgt Ion:128 Resp: 7650748

Ion Ratio Lower Upper

128 100

129 14.9 9.1 13.7#

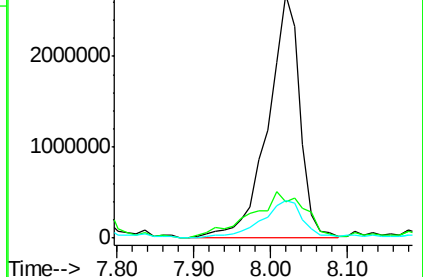
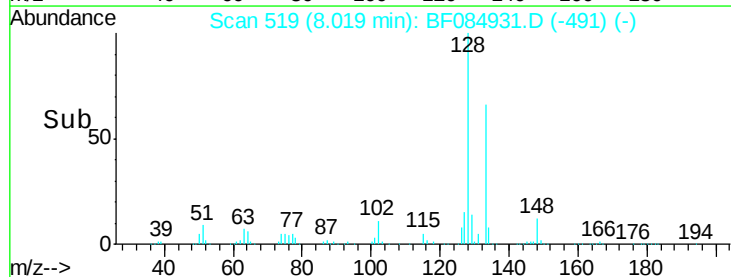
127 15.7 11.1 16.7

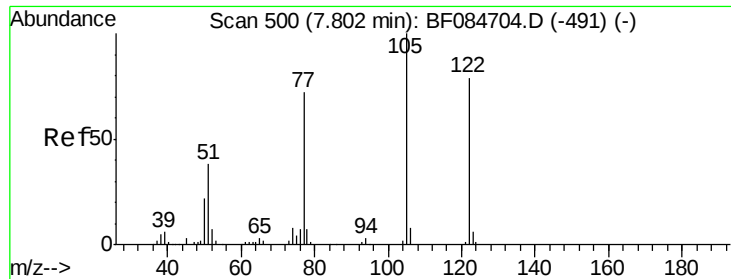


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 16.62 ng

RT: 7.79 min Scan# 499

Delta R.T. -0.00 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

Instrument :

BNA_F

ClientSampleId :

SUP-B008(25-27)

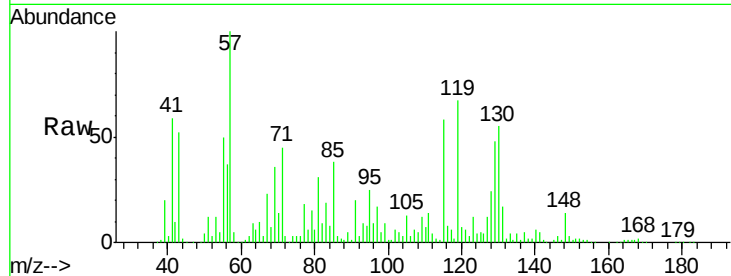
Tgt Ion:122 Resp: 44565

Ion Ratio Lower Upper

122 100

105 369.4 100.3 140.3#

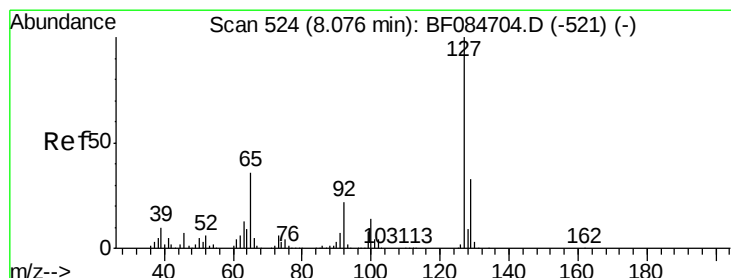
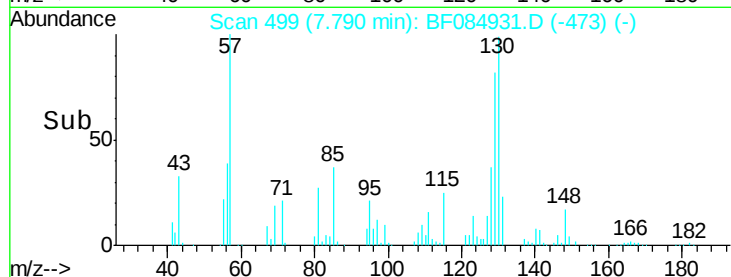
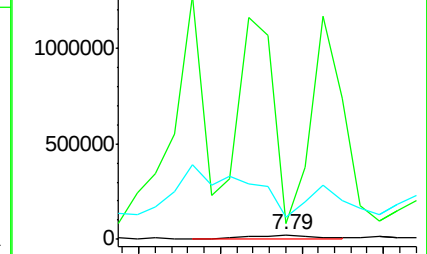
77 507.0 63.5 103.5#



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: 285.75 ng

RT: 8.02 min Scan# 519

Delta R.T. -0.03 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

Tgt Ion:127 Resp: 1523522

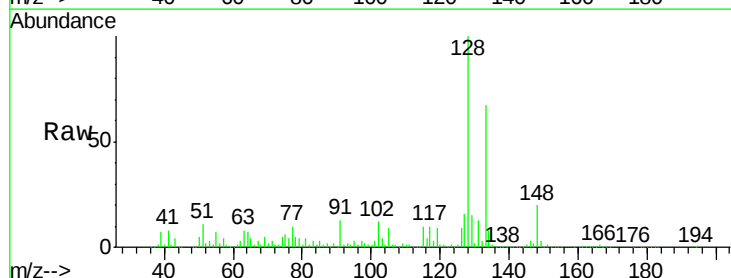
Ion Ratio Lower Upper

127 100

129 95.0 26.5 39.7#

65 25.4 27.2 40.8#

92 9.0 17.7 26.5#

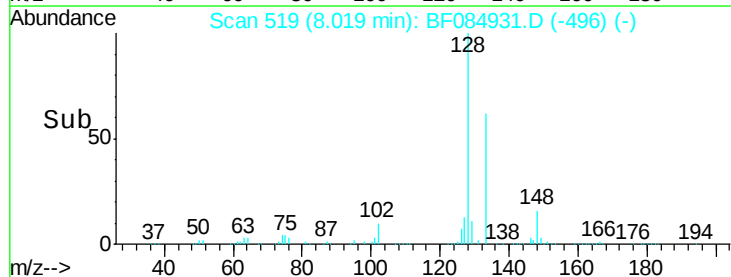
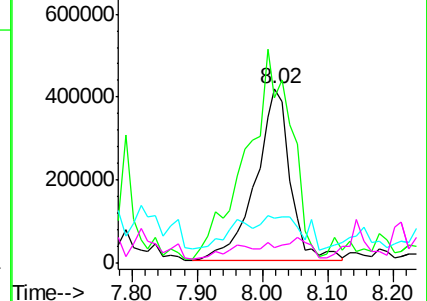


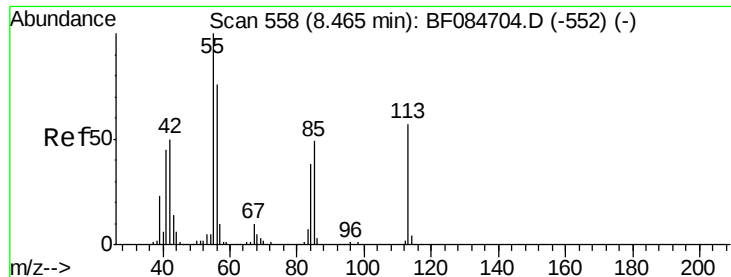
Abundance Ion 127.00 (126.70 to 127.70): E

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





#35

Caprolactam

Concen: 130.16 ng

RT: 8.41 min Scan# 553

Delta R.T. -0.03 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

Instrument :

BNA_F

ClientSampleId :

SUP-B008(25-27)

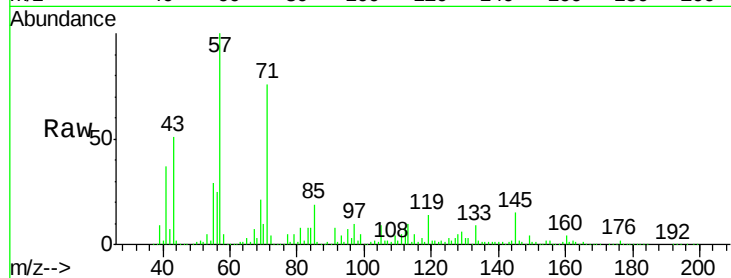
Tgt Ion:113 Resp: 143874

Ion Ratio Lower Upper

113 100

55 292.0 116.9 156.9#

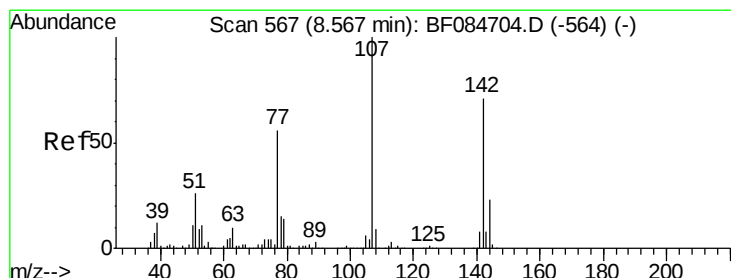
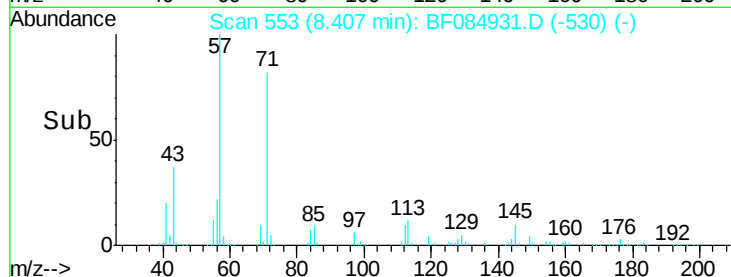
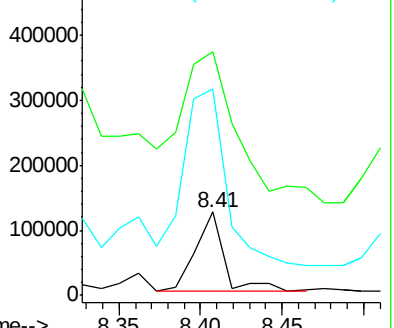
56 246.9 93.8 133.8#



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: 7.34 ng

RT: 8.60 min Scan# 570

Delta R.T. 0.06 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

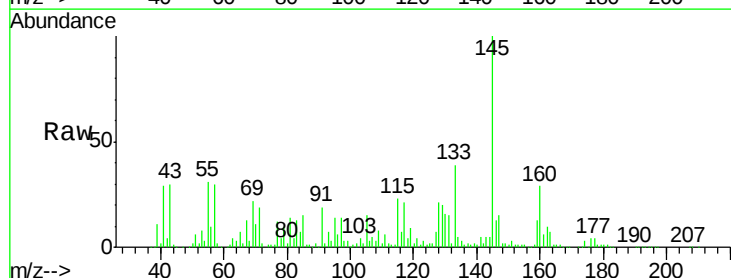
Tgt Ion:107 Resp: 30032

Ion Ratio Lower Upper

107 100

144 103.7 19.7 29.5#

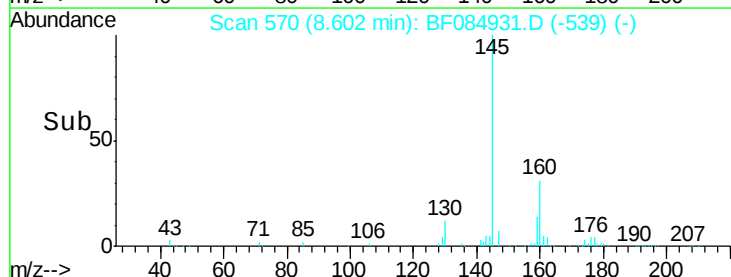
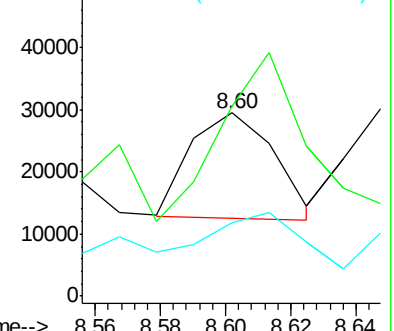
142 40.1 61.8 92.6#

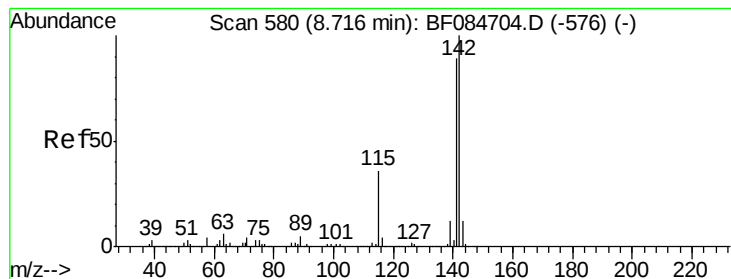


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 624.83 ng

RT: 8.69 min Scan# 578

Delta R.T. 0.00 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

Instrument :

BNA_F

ClientSampleId :

SUP-B008(25-27)

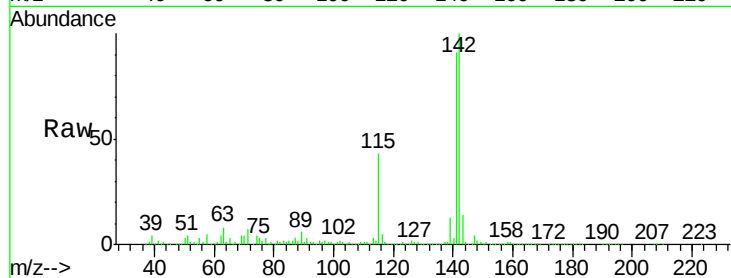
Tgt Ion:142 Resp: 5041464

Ion Ratio Lower Upper

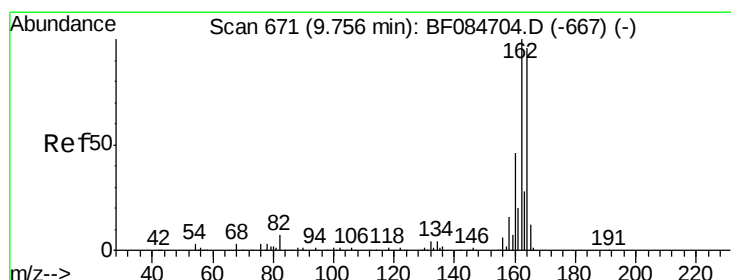
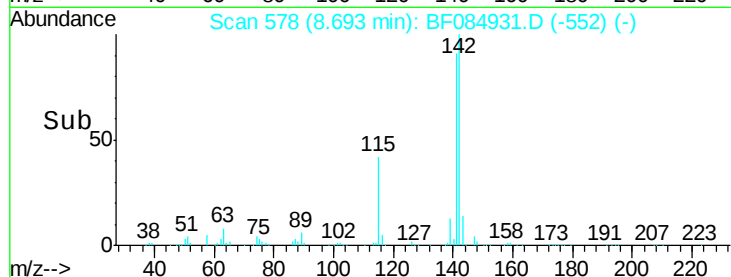
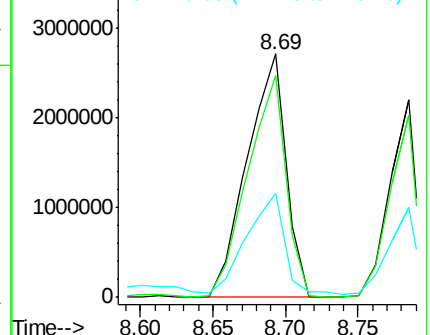
142 100

141 91.0 72.4 108.6

115 42.9 27.9 41.9#



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: 9.69 min Scan# 665

Delta R.T. -0.05 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

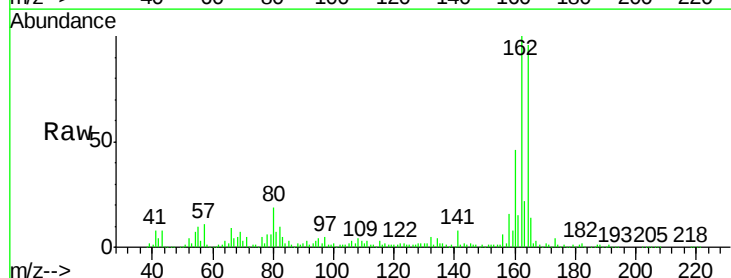
Tgt Ion:164 Resp: 286742

Ion Ratio Lower Upper

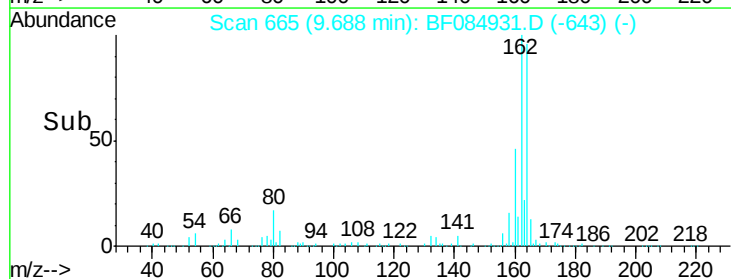
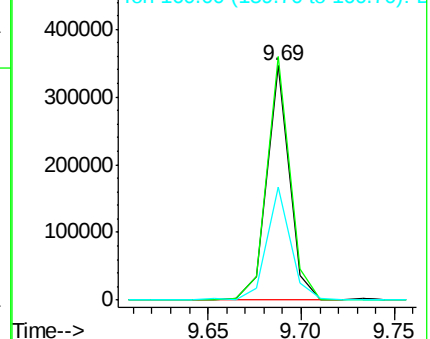
164 100

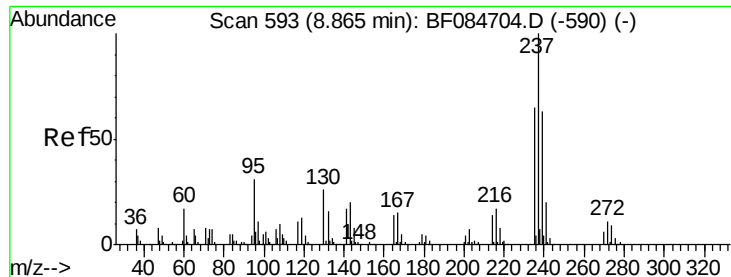
162 103.9 85.1 127.7

160 48.1 37.5 56.3



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

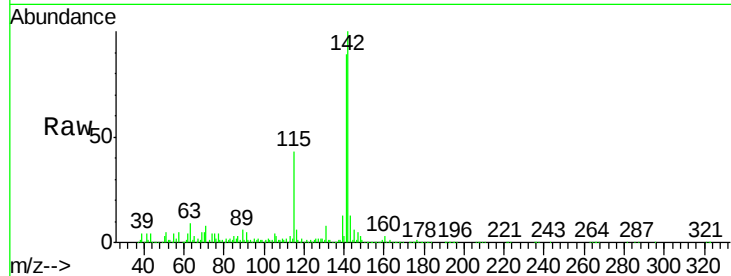




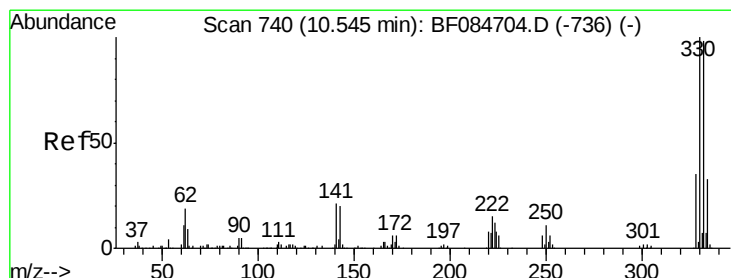
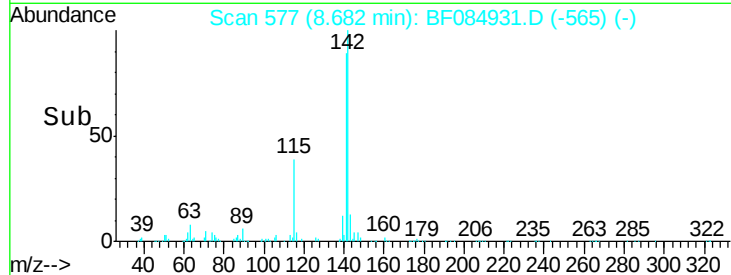
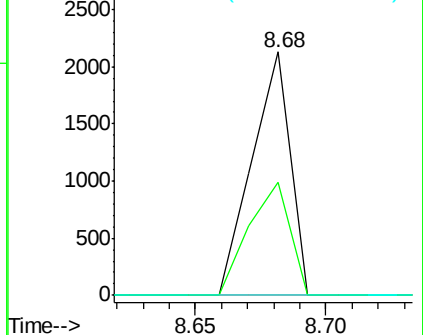
#40
Hexachlorocyclopentadiene
Concen: 2.62 ng
RT: 8.68 min Scan# 577
Delta R.T. -0.16 min
Lab File: BF084931.D
Acq: 8 Feb 2016 16:27

Instrument :
BNA_F
ClientSampleId :
SUP-B008(25-27)

Tgt Ion: 237 Resp: 2193
Ion Ratio Lower Upper
237 100
235 46.4 43.1 83.1
272 0.0 0.0 35.1

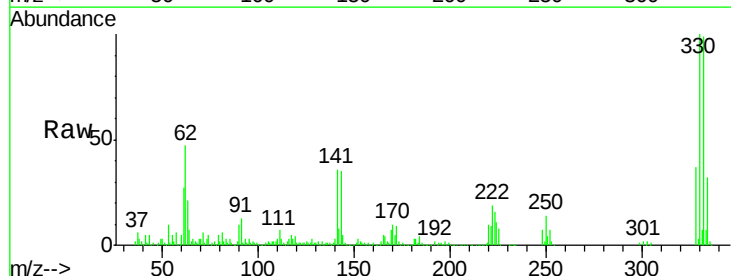


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

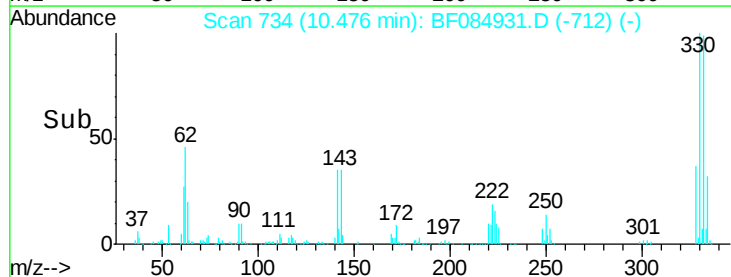
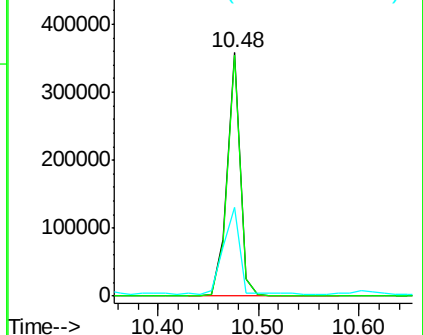


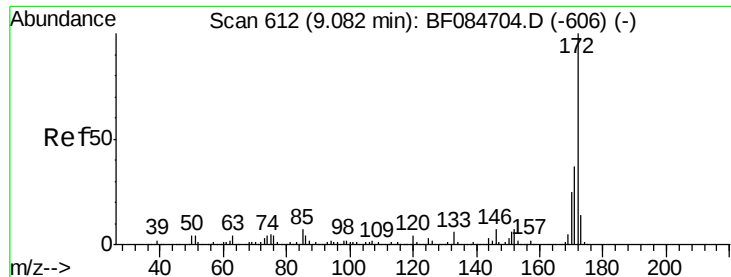
#41
2,4,6-Tribromophenol
Concen: 109.26 ng
RT: 10.48 min Scan# 734
Delta R.T. -0.05 min
Lab File: BF084931.D
Acq: 8 Feb 2016 16:27

Tgt Ion: 330 Resp: 326804
Ion Ratio Lower Upper
330 100
332 97.4 76.6 114.8
141 45.4 27.8 41.6#



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

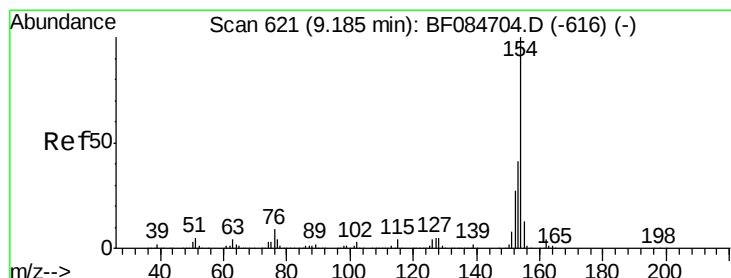
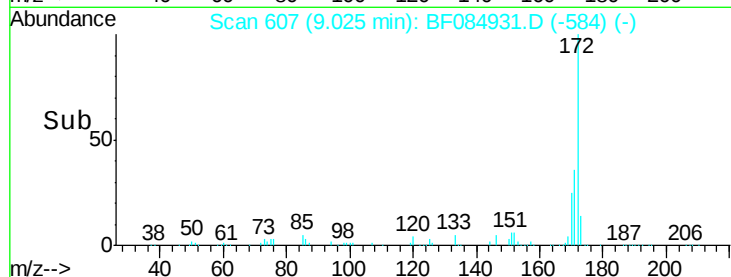
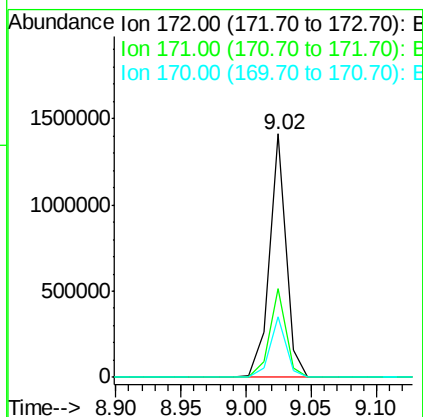
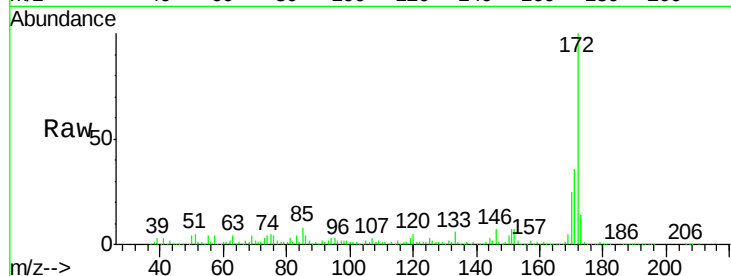




#44
 2-Fluorobiphenyl
 Concen: 70.42 ng
 RT: 9.02 min Scan# 607
 Delta R.T. -0.03 min
 Lab File: BF084931.D
 Acq: 8 Feb 2016 16:27

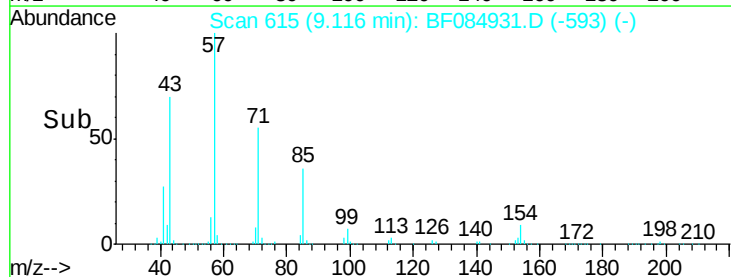
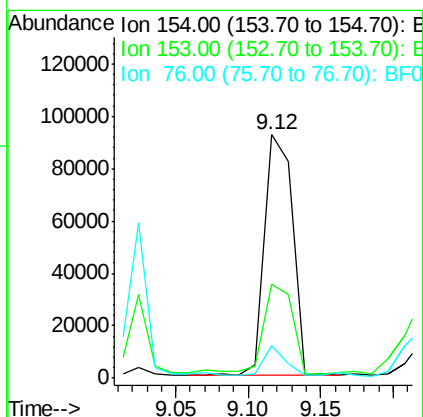
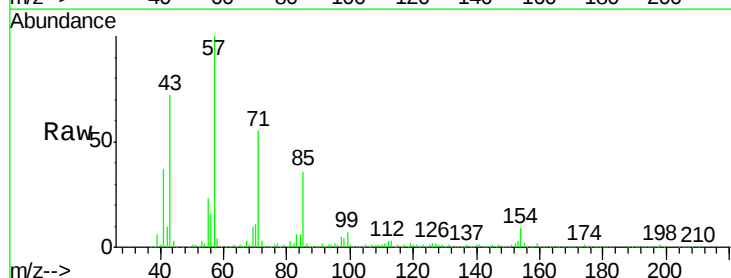
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B008(25-27)

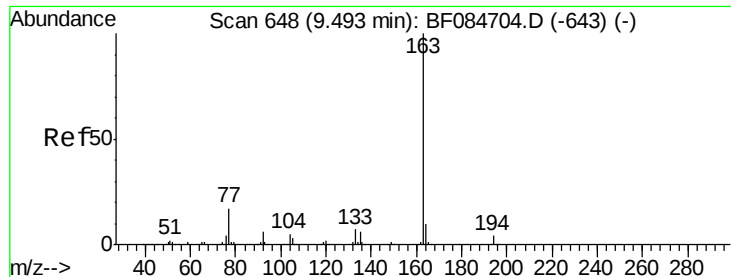
Tgt Ion:172 Resp: 1269406
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.9 43.3
 170 25.1 18.6 27.8



#45
 1,1'-Biphenyl
 Concen: 4.78 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.05 min
 Lab File: BF084931.D
 Acq: 8 Feb 2016 16:27

Tgt Ion:154 Resp: 122433
 Ion Ratio Lower Upper
 154 100
 153 38.4 21.6 61.6
 76 13.5 0.0 32.7





#49

Dimethylphthalate

Concen: 13.40 ng

RT: 9.41 min Scan# 641

Delta R.T. -0.06 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

Instrument :

BNA_F

ClientSampleId :

SUP-B008(25-27)

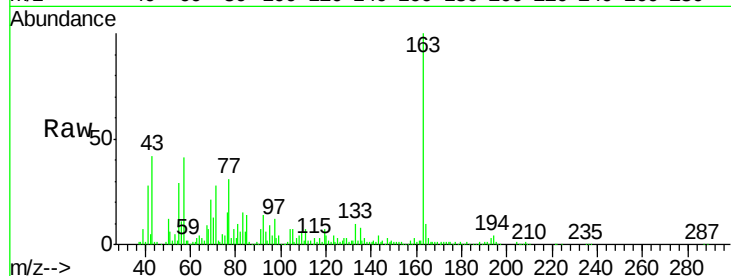
Tgt Ion:163 Resp: 292629

Ion Ratio Lower Upper

163 100

194 3.6 8.0 12.0#

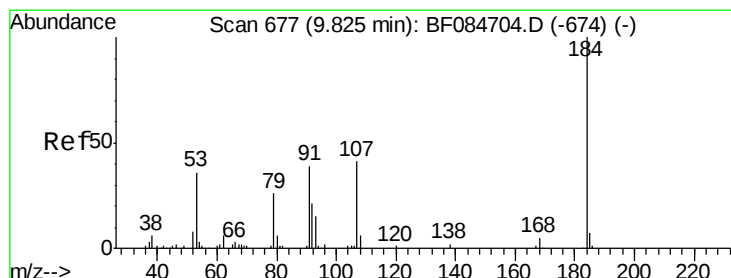
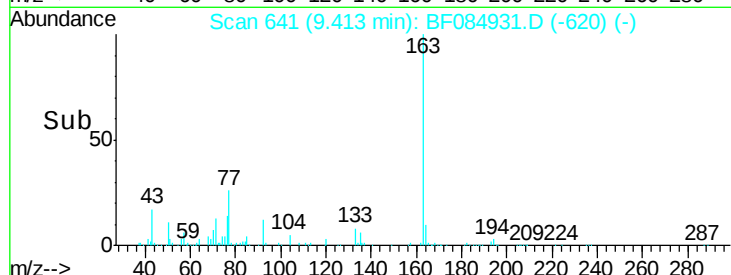
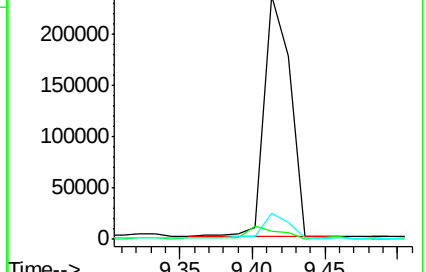
164 10.4 8.0 12.0



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



#53

2,4-Dinitrophenol

Concen: 5.89 ng

RT: 9.87 min Scan# 681

Delta R.T. 0.07 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

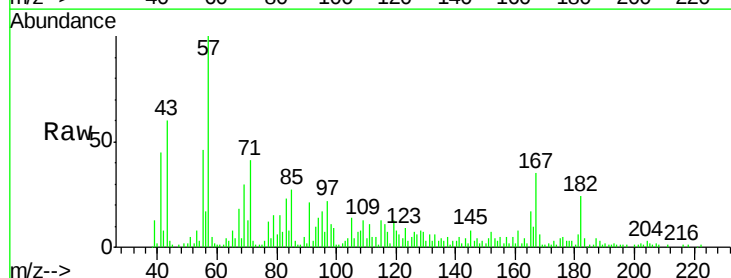
Tgt Ion:184 Resp: 211

Ion Ratio Lower Upper

184 100

63 961.7 43.1 64.7#

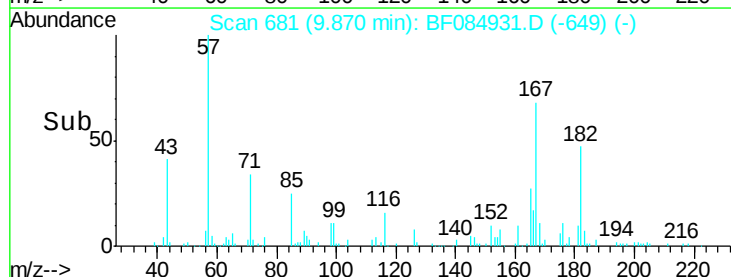
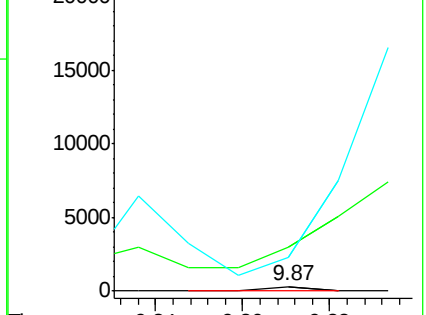
154 731.5 60.5 90.7#

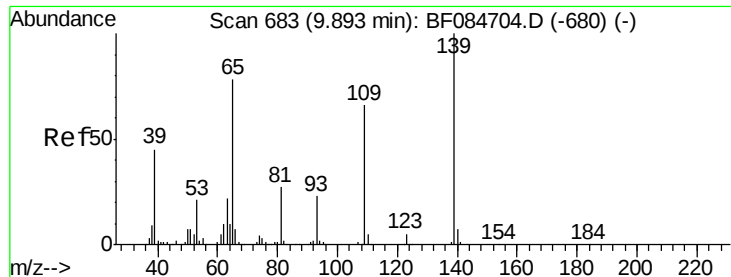


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#55

4-Nitrophenol

Concen: 4.24 ng

RT: 9.79 min Scan# 674

Delta R.T. -0.08 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

Instrument :

BNA_F

ClientSampleId :

SUP-B008(25-27)

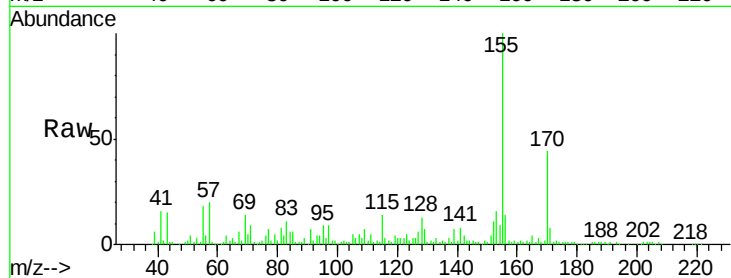
Tgt Ion:139 Resp: 16706

Ion Ratio Lower Upper

139 100

109 93.1 58.5 98.5

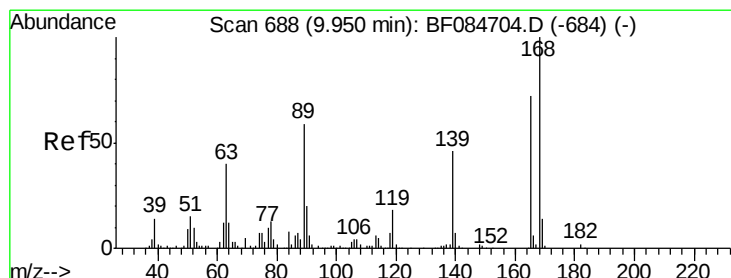
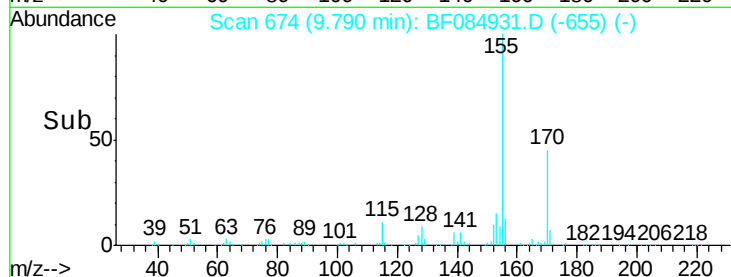
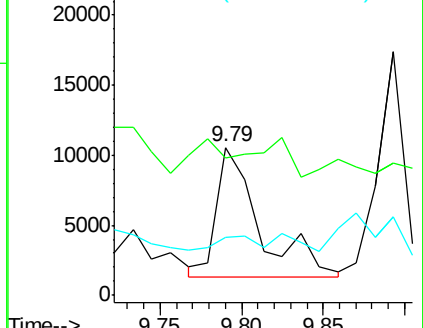
65 39.4 57.6 97.6#



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: 3.19 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.06 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

Tgt Ion:165 Resp: 19442

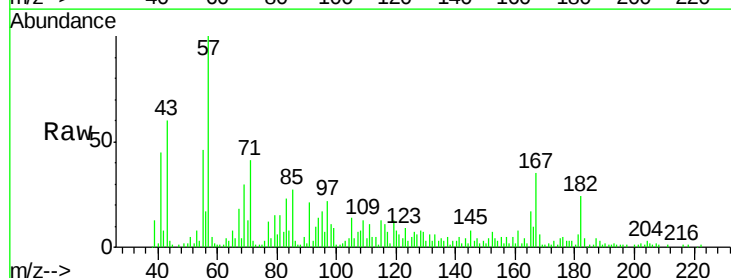
Ion Ratio Lower Upper

165 100

63 24.5 36.7 55.1#

89 30.4 61.9 92.9#

182 142.6 2.0 3.0#

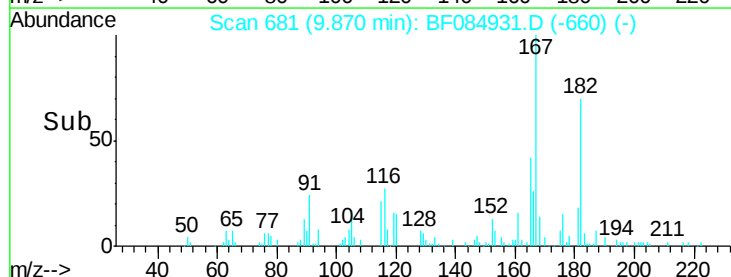
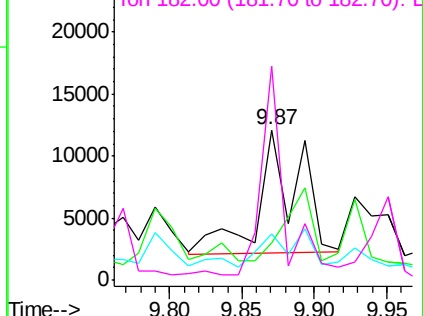


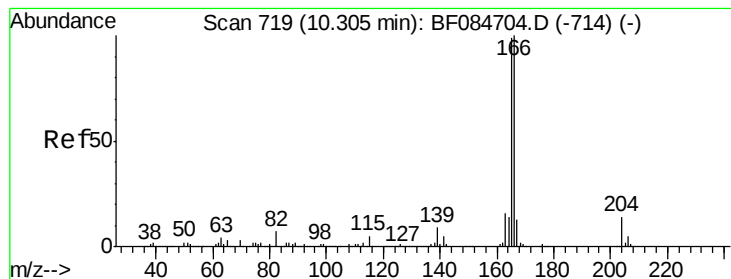
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 3.31 ng

RT: 10.22 min Scan# 712

Delta R.T. -0.05 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

Instrument :

BNA_F

ClientSampleId :

SUP-B008(25-27)

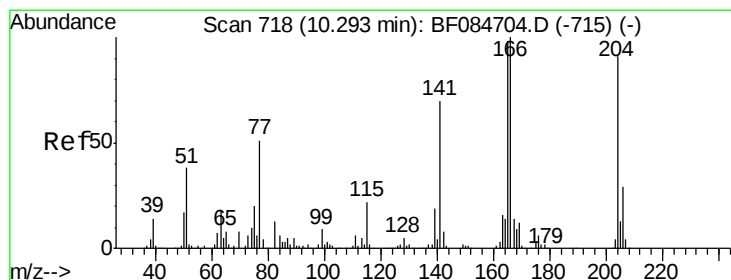
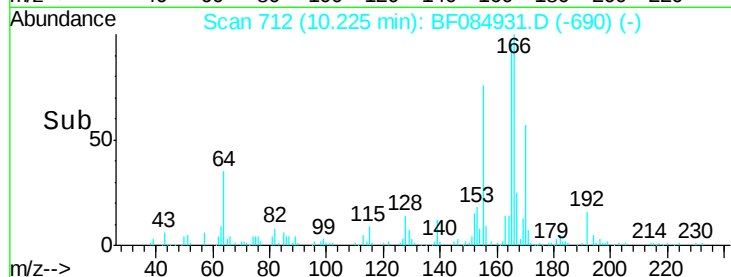
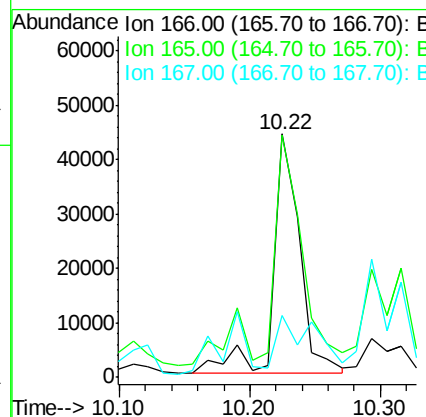
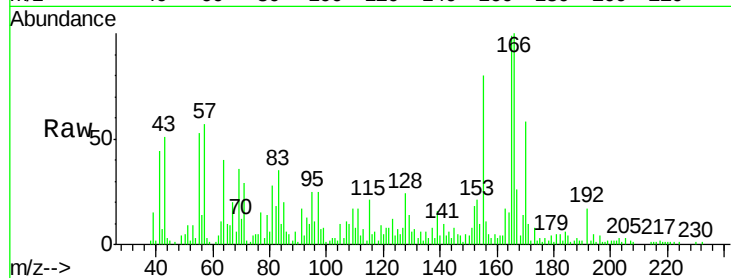
Tgt Ion:166 Resp: 62978

Ion Ratio Lower Upper

166 100

165 99.3 79.1 118.7

167 25.6 10.4 15.6#



#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.24 min Scan# 713

Delta R.T. -0.03 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

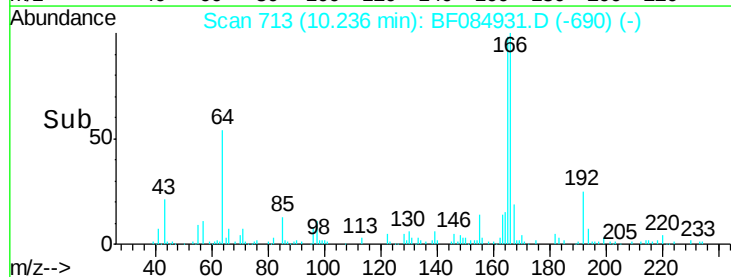
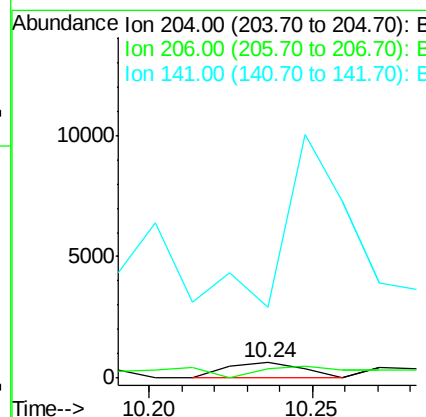
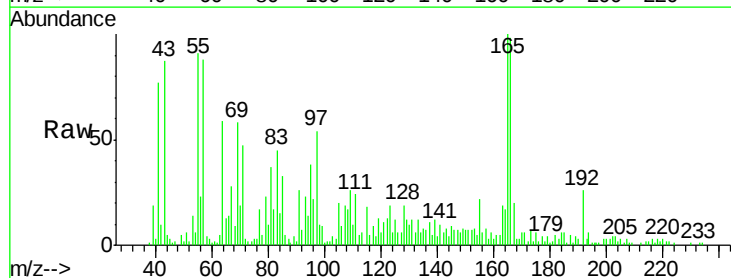
Tgt Ion:204 Resp: 1064

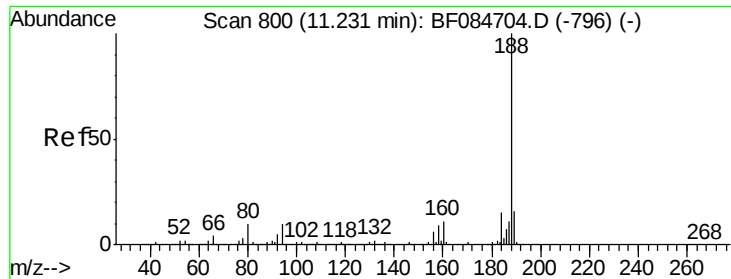
Ion Ratio Lower Upper

204 100

206 62.7 25.7 38.5#

141 455.1 55.1 82.7#

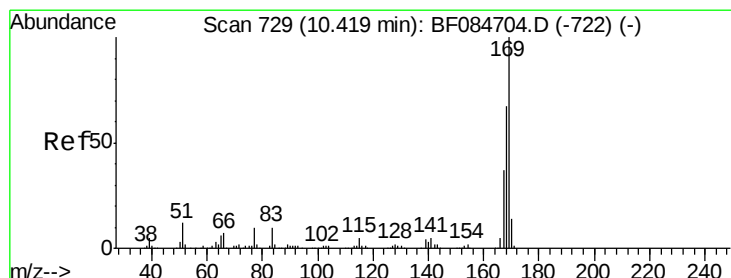
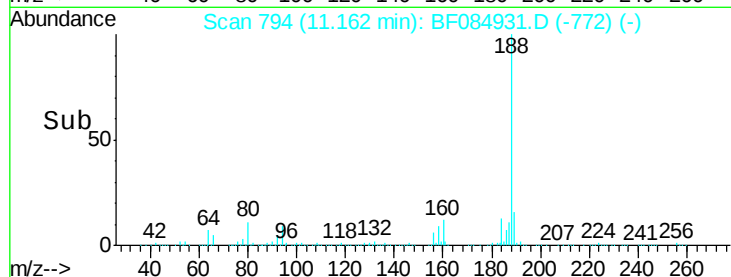
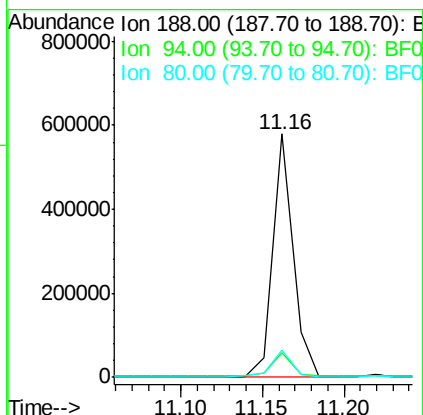
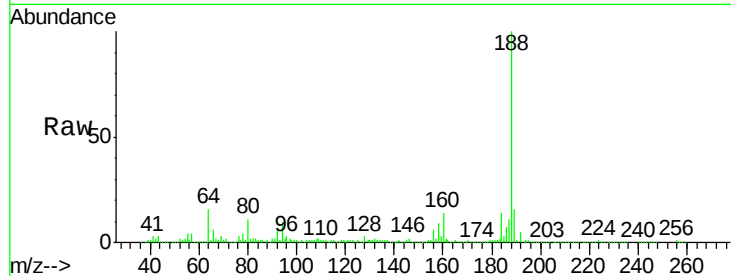




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 794
Delta R.T. -0.05 min
Lab File: BF084931.D
Acq: 8 Feb 2016 16:27

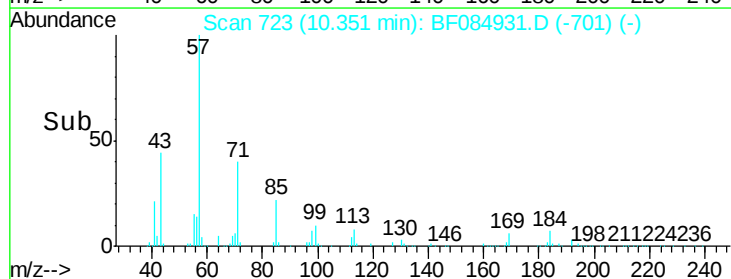
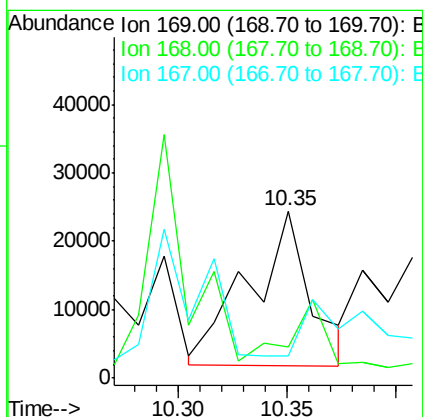
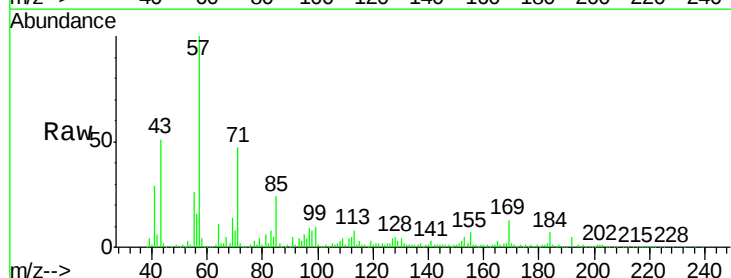
Instrument :
BNA_F
ClientSampleId :
SUP-B008(25-27)

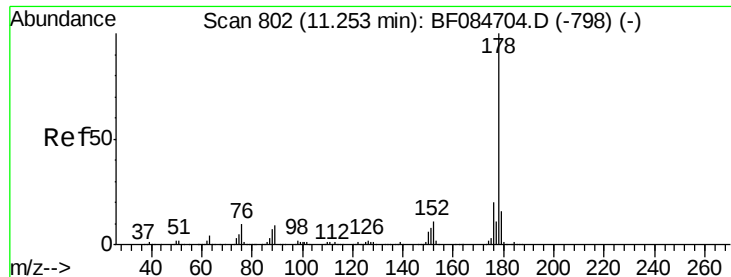
Tgt Ion:188 Resp: 506204
Ion Ratio Lower Upper
188 100
94 10.0 9.0 13.4
80 11.0 9.6 14.4



#65
n-Nitrosodiphenylamine
Concen: 2.79 ng
RT: 10.35 min Scan# 723
Delta R.T. -0.05 min
Lab File: BF084931.D
Acq: 8 Feb 2016 16:27

Tgt Ion:169 Resp: 44786
Ion Ratio Lower Upper
169 100
168 18.9 55.1 82.7#
167 13.4 30.0 45.0#





#70

Phenanthrene

Concen: 8.09 ng

RT: 11.18 min Scan# 796

Delta R.T. -0.05 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

Instrument :

BNA_F

ClientSampleId :

SUP-B008(25-27)

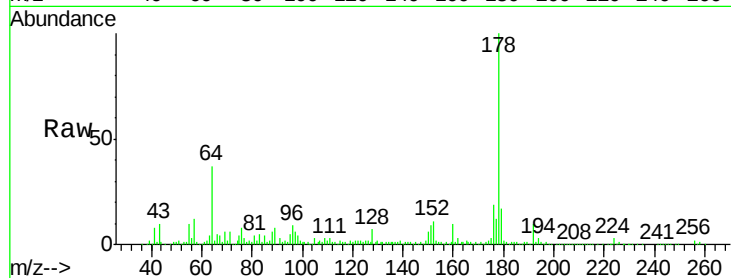
Tgt Ion:178 Resp: 227102

Ion Ratio Lower Upper

178 100

176 19.5 15.3 22.9

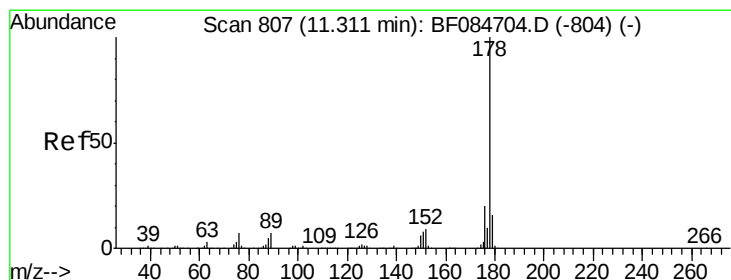
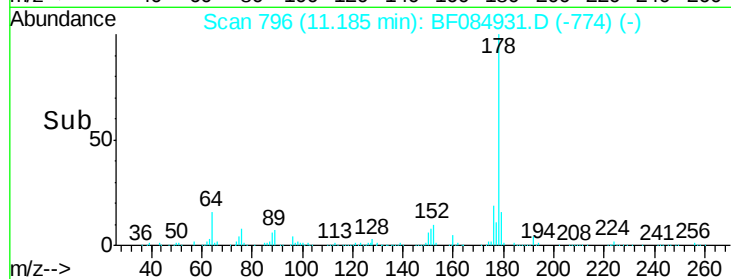
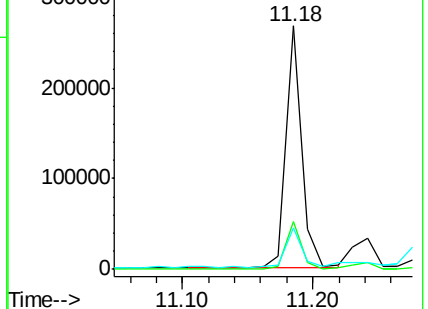
179 16.8 12.0 18.0



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: 8.03 ng

RT: 11.18 min Scan# 796

Delta R.T. -0.10 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

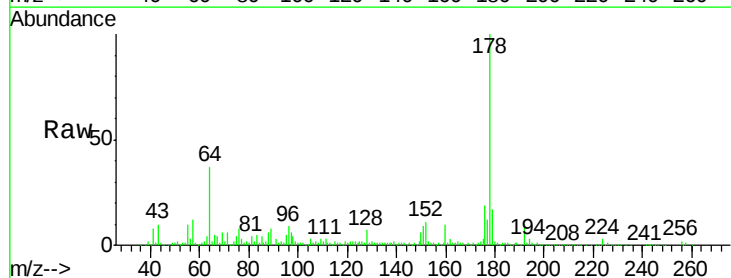
Tgt Ion:178 Resp: 227102

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.0

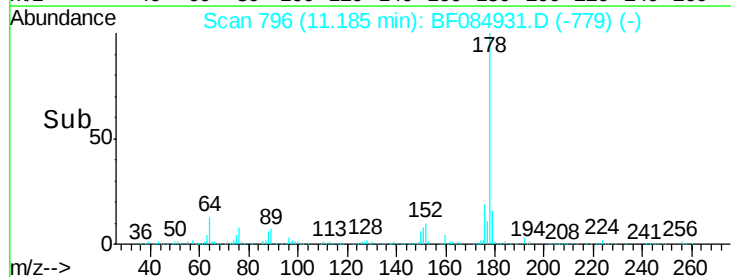
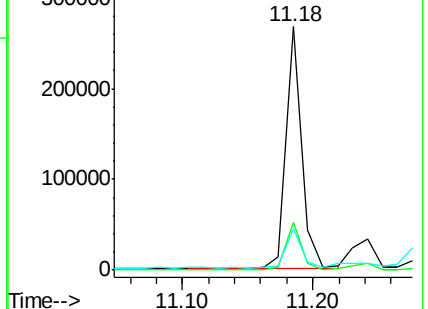
179 16.8 12.5 18.7

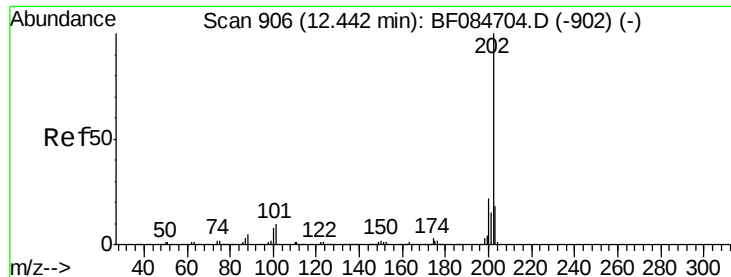


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 5.88 ng

RT: 12.39 min Scan# 901

Delta R.T. -0.03 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

Instrument :

BNA_F

ClientSampleId :

SUP-B008(25-27)

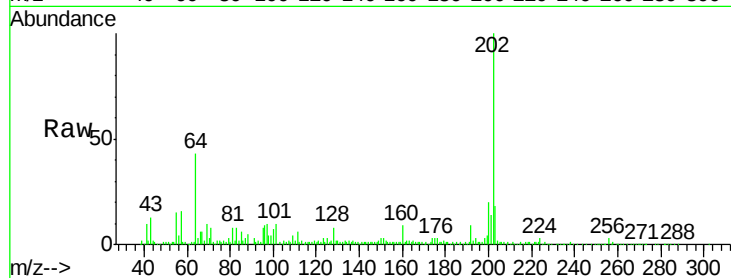
Tgt Ion:202 Resp: 167116

Ion Ratio Lower Upper

202 100

101 9.9 0.0 32.8

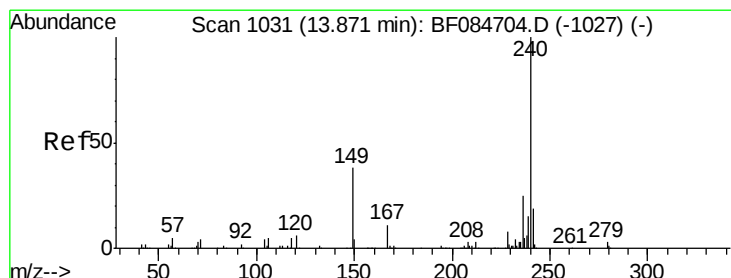
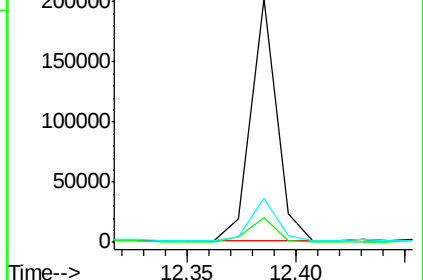
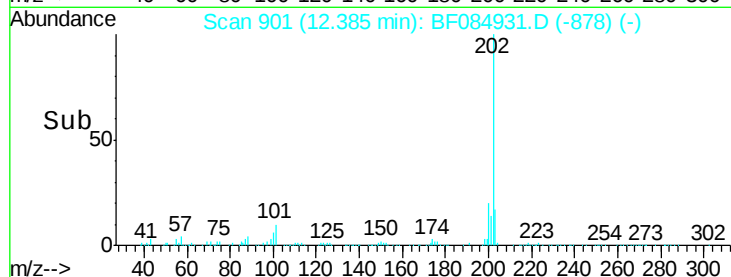
203 17.8 0.0 37.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.79 min Scan# 1024

Delta R.T. -0.05 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

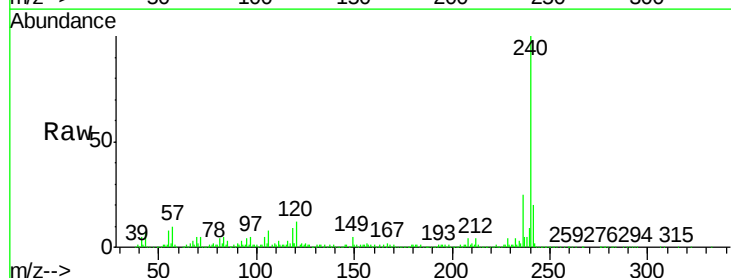
Tgt Ion:240 Resp: 359016

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

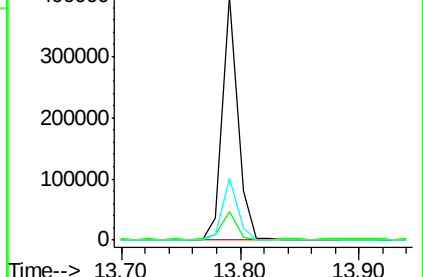
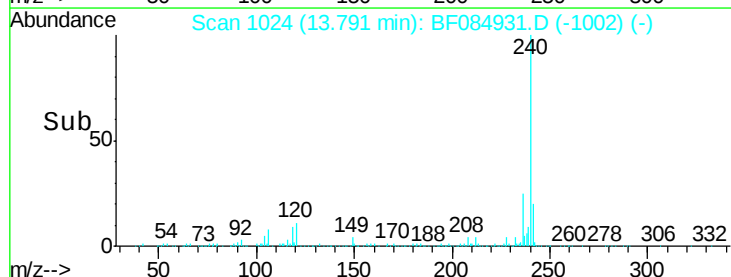
236 25.2 20.6 31.0

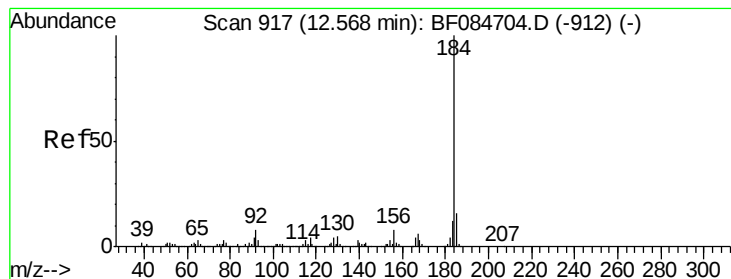


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 6.92 ng

RT: 12.43 min Scan# 905

Delta R.T. -0.11 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

Instrument :

BNA_F

ClientSampleId :

SUP-B008(25-27)

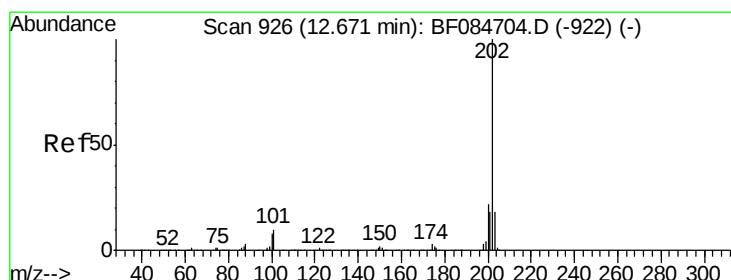
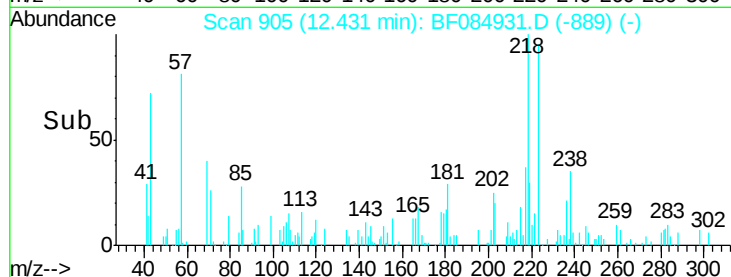
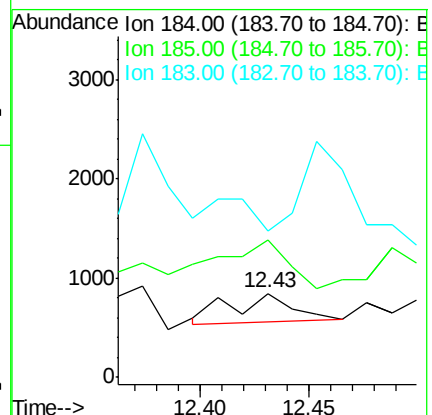
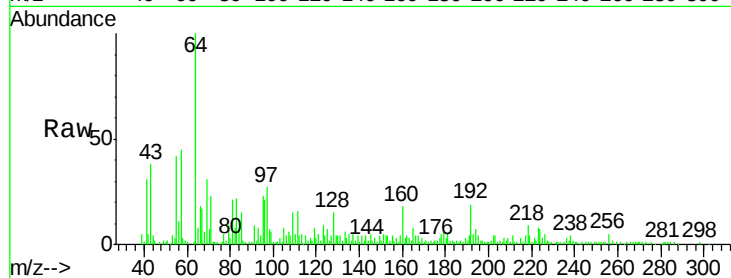
Tgt Ion:184 Resp: 575

Ion Ratio Lower Upper

184 100

185 163.4 12.2 18.2#

183 174.2 9.8 14.8#



#77

Pyrene

Concen: 5.83 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.03 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

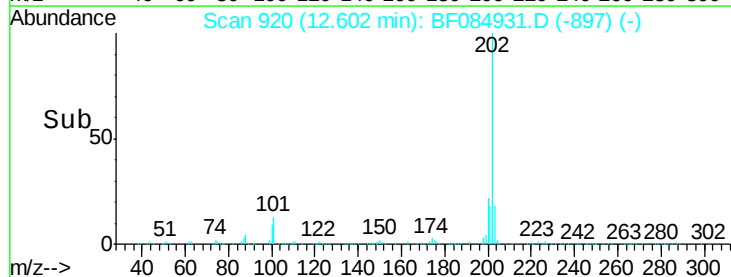
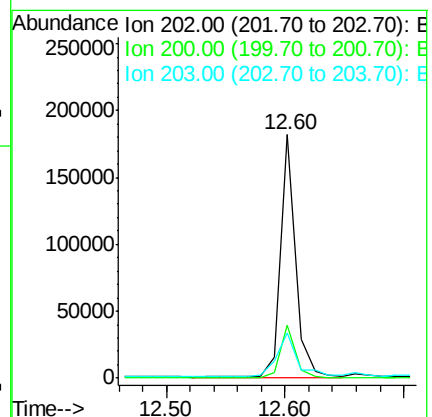
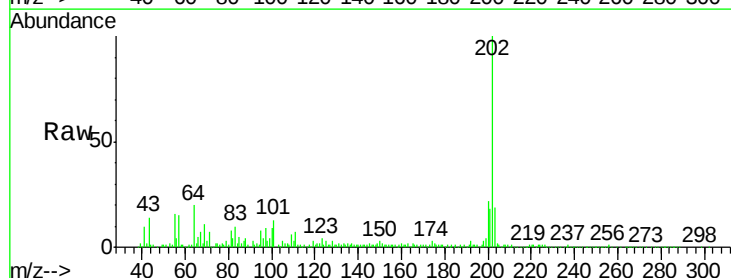
Tgt Ion:202 Resp: 160192

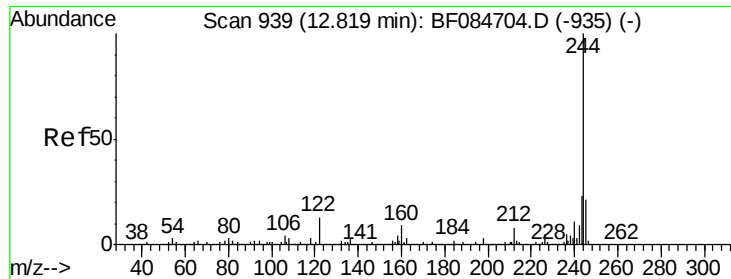
Ion Ratio Lower Upper

202 100

200 21.7 17.2 25.8

203 18.8 14.3 21.5





#78

Terphenyl-d14

Concen: 72.93 ng

RT: 12.75 min Scan# 933

Delta R.T. -0.05 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

Instrument :

BNA_F

ClientSampleId :

SUP-B008(25-27)

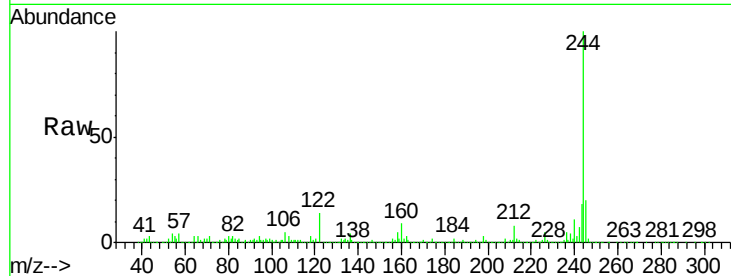
Tgt Ion:244 Resp: 1155402

Ion Ratio Lower Upper

244 100

212 7.9 5.7 8.5

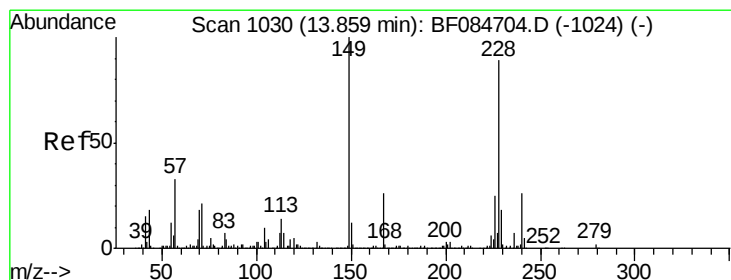
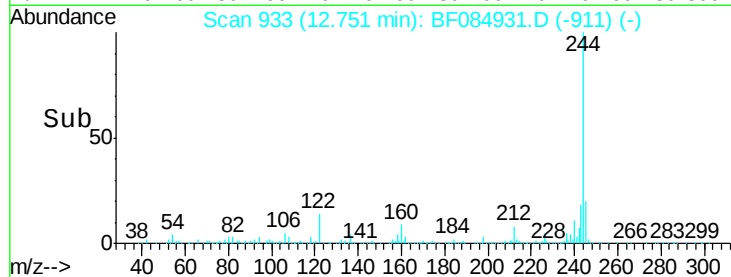
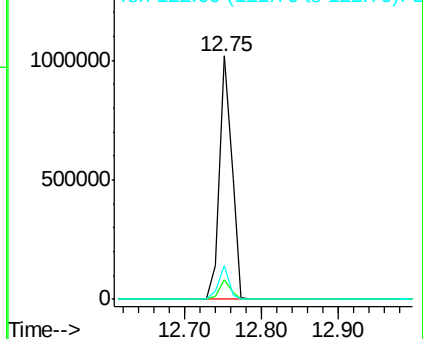
122 14.0 7.4 11.0#



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



#80

Benzo(a)anthracene

Concen: 2.25 ng

RT: 13.78 min Scan# 1023

Delta R.T. -0.05 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

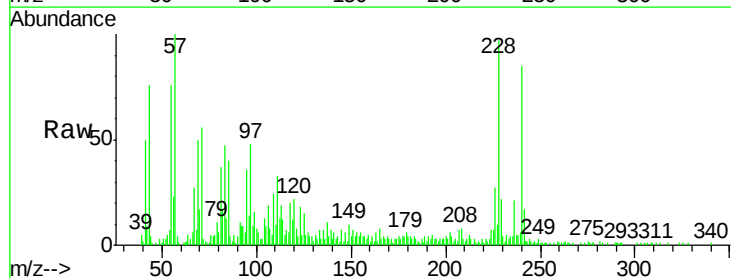
Tgt Ion:228 Resp: 50208

Ion Ratio Lower Upper

228 100

226 28.3 21.8 32.6

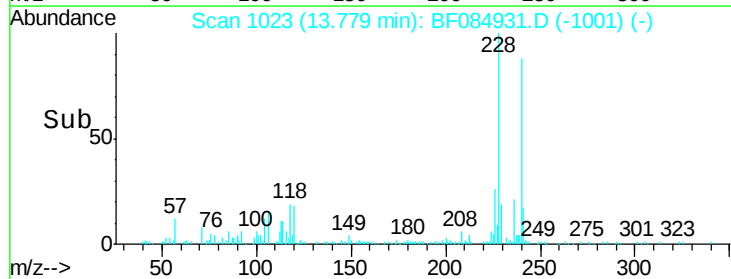
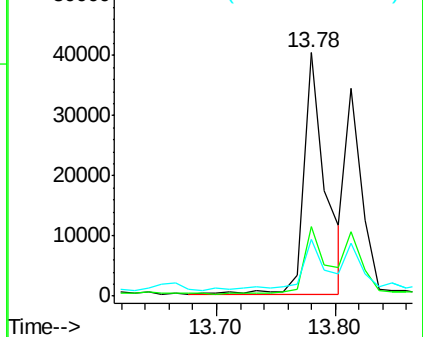
229 23.1 15.8 23.8

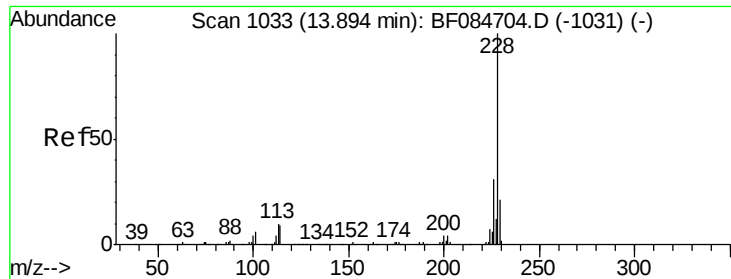


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.32 ng

RT: 13.78 min Scan# 1023

Delta R.T. -0.08 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

Instrument :

BNA_F

ClientSampleId :

SUP-B008(25-27)

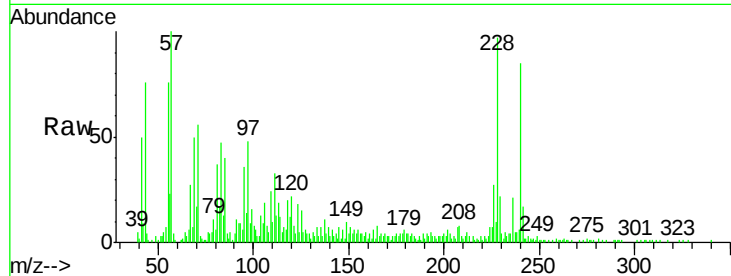
Tgt Ion:228 Resp: 50208

Ion Ratio Lower Upper

228 100

226 28.3 24.3 36.5

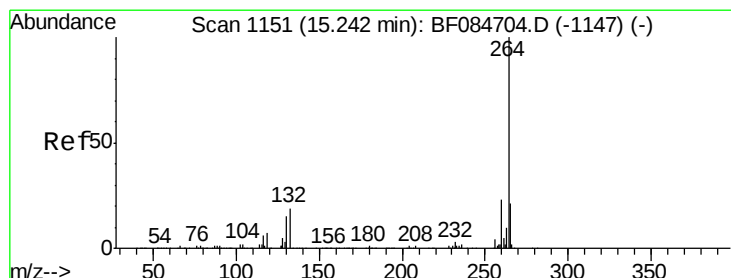
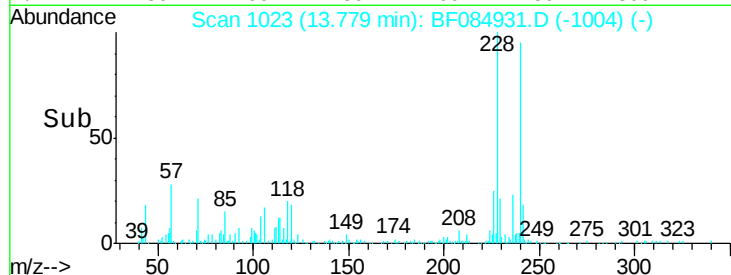
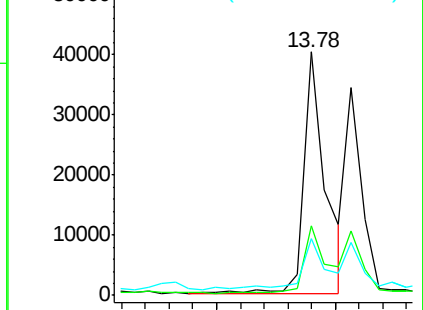
229 23.1 16.1 24.1



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.16 min Scan# 1144

Delta R.T. -0.05 min

Lab File: BF084931.D

Acq: 8 Feb 2016 16:27

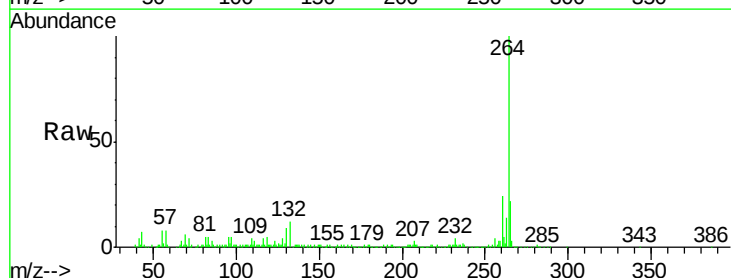
Tgt Ion:264 Resp: 305837

Ion Ratio Lower Upper

264 100

260 23.6 19.4 29.2

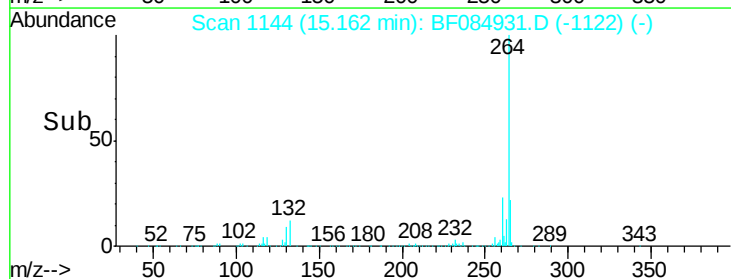
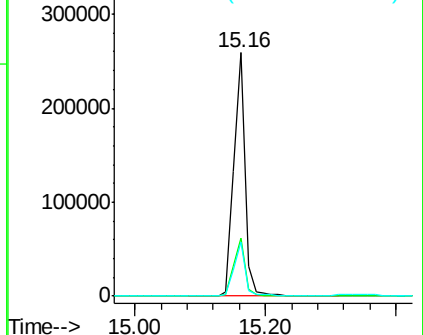
265 22.1 17.8 26.6

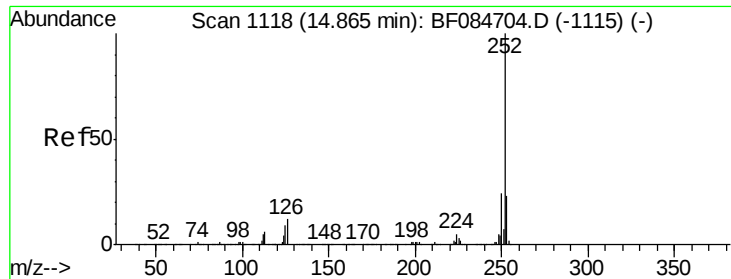


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

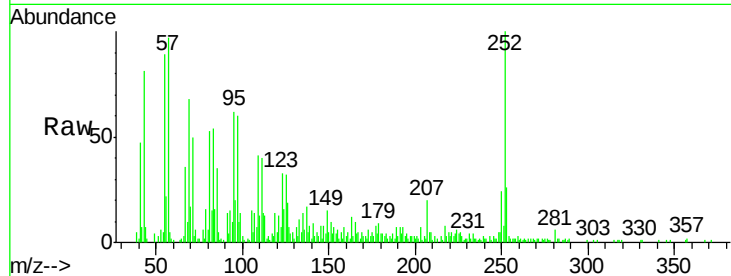




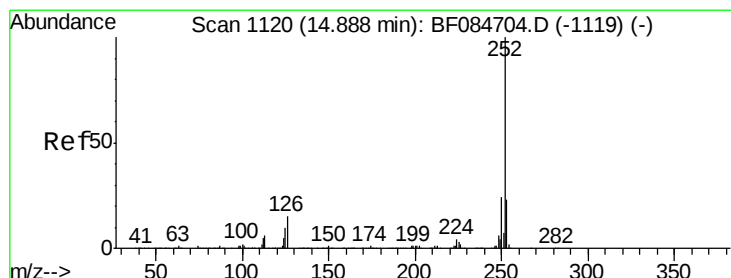
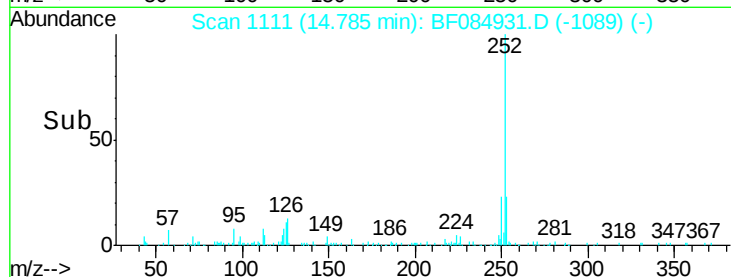
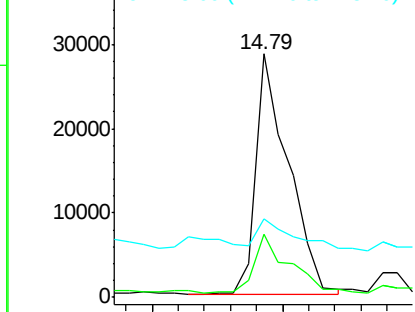
#87
Benzo(b)fluoranthene
Concen: 2.45 ng
RT: 14.79 min Scan# 1111
Delta R.T. -0.05 min
Lab File: BF084931.D
Acq: 8 Feb 2016 16:27

Instrument :
BNA_F
ClientSampleId :
SUP-B008(25-27)

Tgt Ion:252 Resp: 50358
Ion Ratio Lower Upper
252 100
253 25.7 17.3 25.9
125 32.5 6.5 9.7#

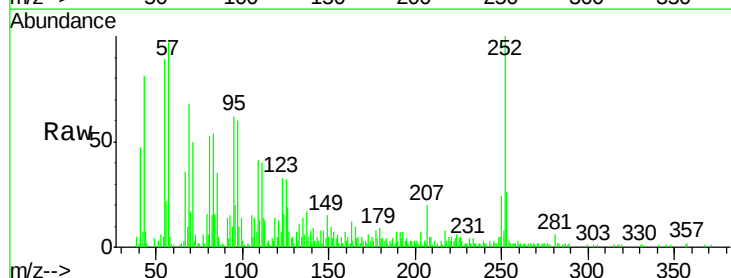


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 2.96 ng
RT: 14.79 min Scan# 1111
Delta R.T. -0.07 min
Lab File: BF084931.D
Acq: 8 Feb 2016 16:27

Tgt Ion:252 Resp: 50358
Ion Ratio Lower Upper
252 100
253 25.7 18.1 27.1
125 32.5 9.0 13.6#



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

