

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121915\
 Data File : BF083931.D
 Acq On : 18 Dec 2015 23:39
 Operator : UM/SJ
 Sample : G4759-10RE
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K208-6-8RE

Quant Time: Dec 19 04:19:38 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 14:23:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	160361	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	559276	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	196947	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	330706	20.00	ng	0.02
75) Chrysene-d12	14.04	240	285228	20.00	ng	0.01
86) Perylene-d12	15.48	264	318882	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	557419	54.40	ng	0.01
7) Phenol-d6	6.52	99	803686	64.08	ng	0.01
23) Nitrobenzene-d5	7.44	82	566581	57.82	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	166147	76.58	ng	0.01
44) 2-Fluorobiphenyl	9.24	172	872721	59.31	ng	0.00
78) Terphenyl-d14	12.99	244	486590	36.29	ng	0.01

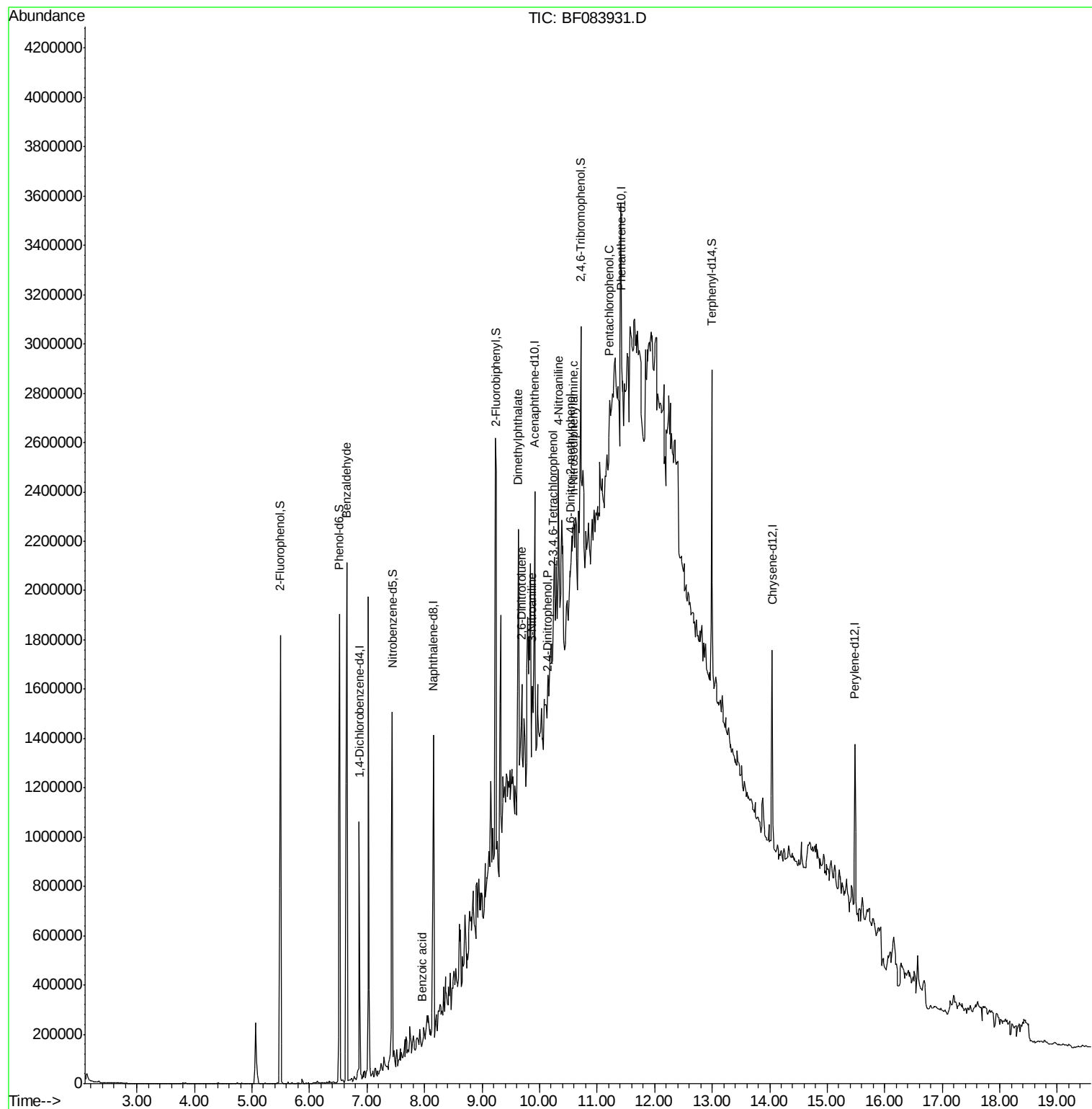
Target Compounds				Qvalue		
9) Benzaldehyde	6.65	77	16899	2.24	ng	85
14) 1,2-Dichlorobenzene	6.89	146	228	Below	Cal	# 1
31) Naphthalene	8.18	128	4919	Below	Cal	# 92
32) Benzoic acid	7.95	122	4483	3.30	ng	# 16
36) 4-Chloro-3-methylphenol	8.68	107	12276	Below	Cal	# 20
45) 1,1'-Biphenyl	9.33	154	2926	Below	Cal	# 24
46) 2-Chloronaphthalene	9.32	162	776	Below	Cal	# 1
49) Dimethylphthalate	9.63	163	184719	11.18	ng	# 94
50) 2,6-Dinitrotoluene	9.69	165	8920	2.47	ng	# 51
52) 3-Nitroaniline	9.87	138	18216	4.79	ng	# 10
53) 2,4-Dinitrophenol	10.13	184	1029	10.99	ng	# 1
57) Fluorene	10.41	166	1862	Below	Cal	# 1
58) 2,3,4,6-Tetrachlorophenol	10.24	232	7893	2.63	ng	# 66
61) 4-Nitroaniline	10.33	138	11097	2.82	ng	# 92
64) 4,6-Dinitro-2-methylphenol	10.53	198	937	4.35	ng	# 1
65) n-Nitrosodiphenylamine	10.58	169	49307	4.10	ng	# 45
69) Pentachlorophenol	11.22	266	463	4.96	ng	# 1
77) Pyrene	12.85	202	24742	Below	Cal	# 75

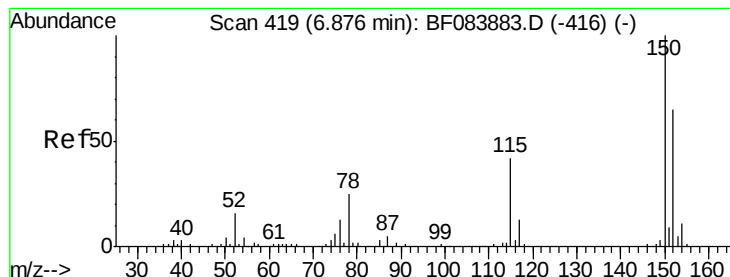
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF083931.D

Acq: 18 Dec 2015 23:39

Instrument :

BNA_F

ClientSampleId :

K208-6-8RE

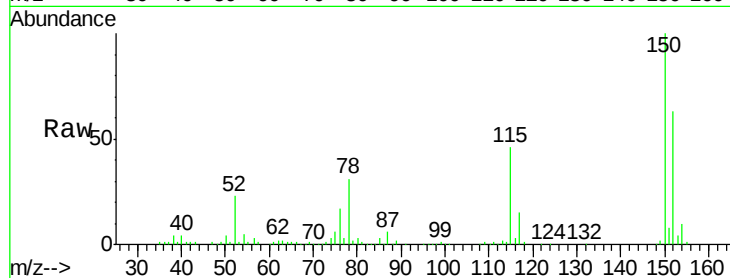
Tgt Ion:152 Resp: 160361

Ion Ratio Lower Upper

152 100

150 158.5 123.0 184.4

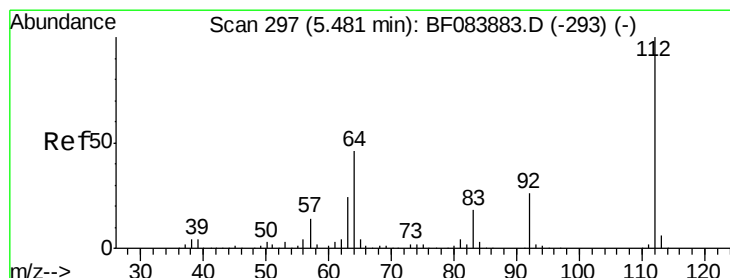
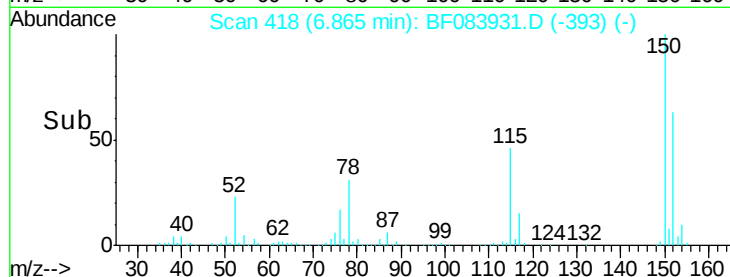
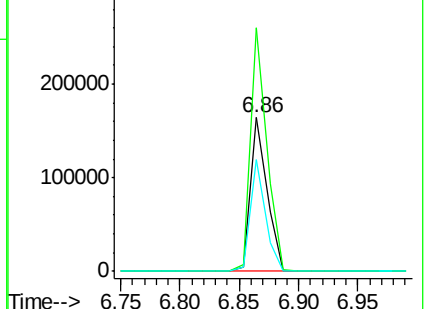
115 73.1 51.4 77.2



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



#5

2-Fluorophenol

Concen: 54.40 ng

RT: 5.49 min Scan# 298

Delta R.T. 0.01 min

Lab File: BF083931.D

Acq: 18 Dec 2015 23:39

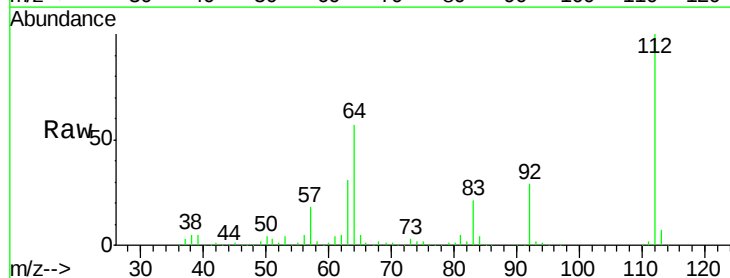
Tgt Ion:112 Resp: 557419

Ion Ratio Lower Upper

112 100

64 56.8 36.6 55.0#

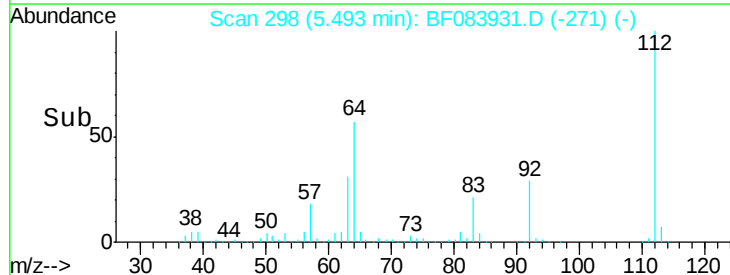
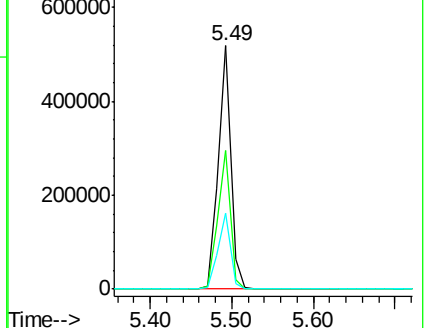
63 31.4 19.4 29.0#

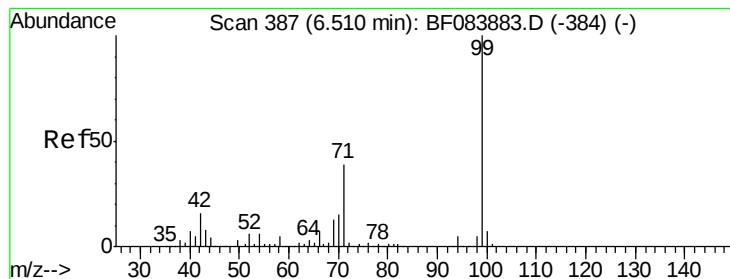


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 64.08 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.01 min

Lab File: BF083931.D

Acq: 18 Dec 2015 23:39

Instrument :

BNA_F

ClientSampleId :

K208-6-8RE

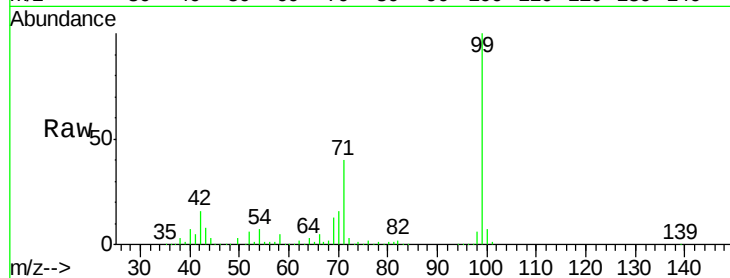
Tgt Ion: 99 Resp: 803686

Ion Ratio Lower Upper

99 100

42 16.4 12.8 19.2

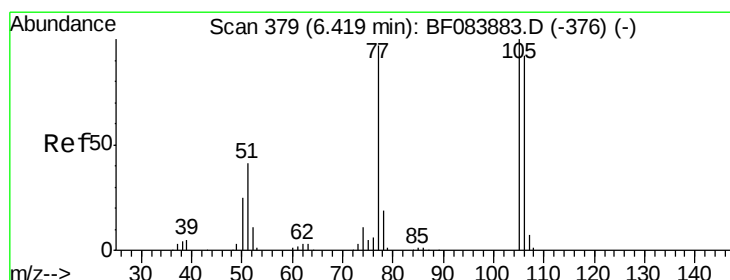
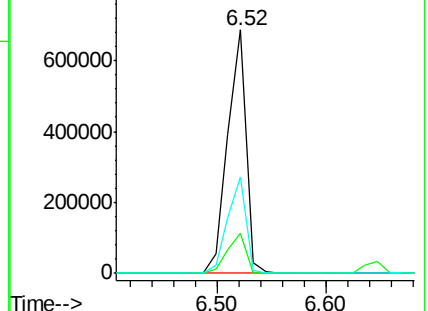
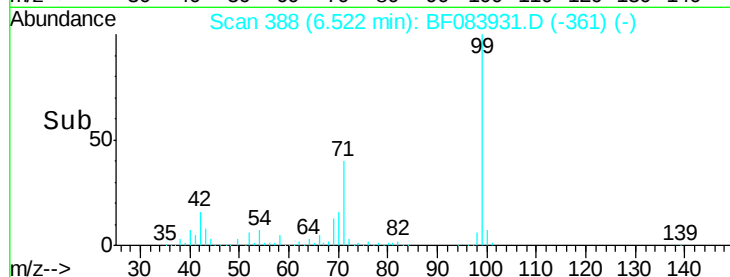
71 39.5 30.9 46.3



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



#9

Benzaldehyde

Concen: 2.24 ng

RT: 6.65 min Scan# 399

Delta R.T. 0.23 min

Lab File: BF083931.D

Acq: 18 Dec 2015 23:39

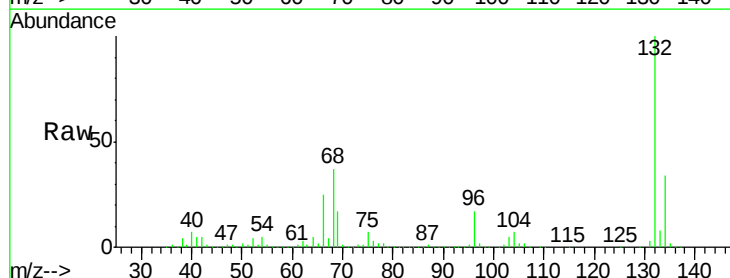
Tgt Ion: 77 Resp: 16899

Ion Ratio Lower Upper

77 100

105 83.6 83.0 123.0

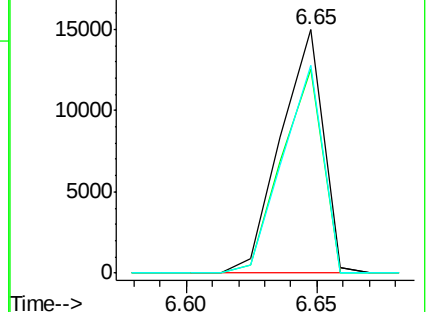
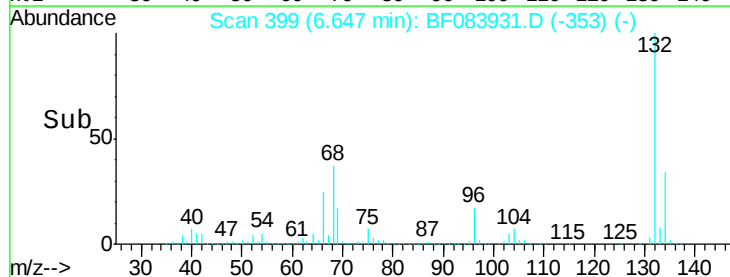
106 85.3 74.6 114.6

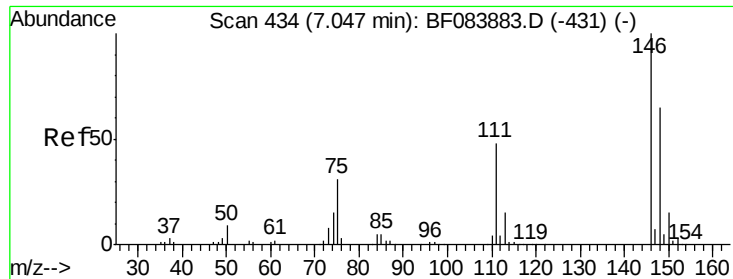


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

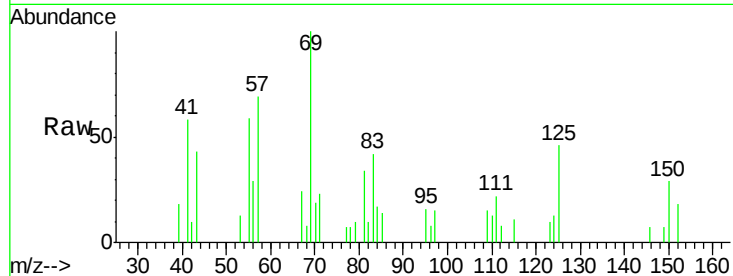




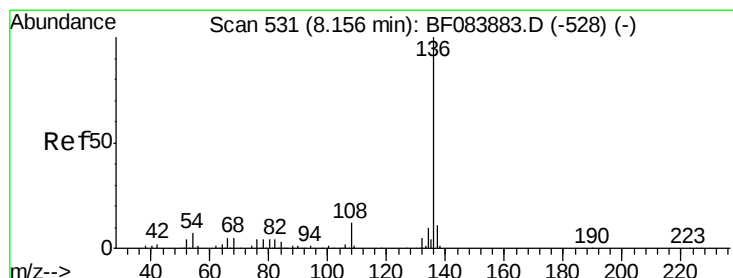
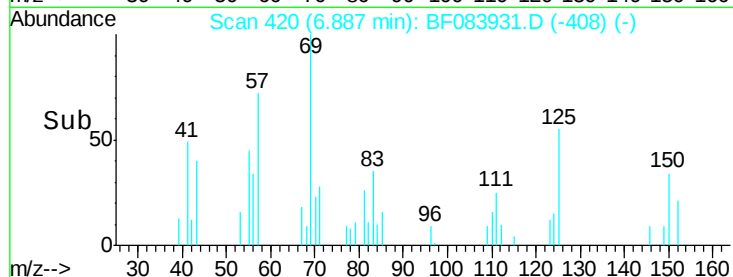
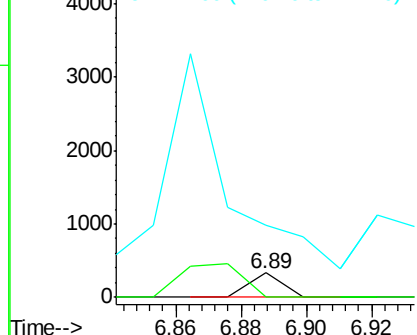
#14
1,2-Dichlorobenzene
Concen: Below Cal
RT: 6.89 min Scan# 420
Delta R.T. -0.16 min
Lab File: BF083931.D
Acq: 18 Dec 2015 23:39

Instrument :
BNA_F
ClientSampleId :
K208-6-8RE

Tgt Ion:146 Resp: 228
Ion Ratio Lower Upper
146 100
148 0.0 51.6 77.4#
111 295.8 38.0 57.0#

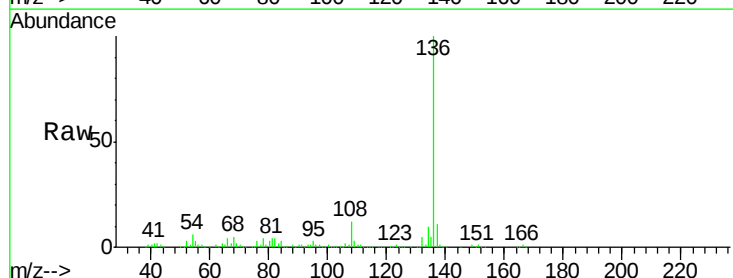


Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

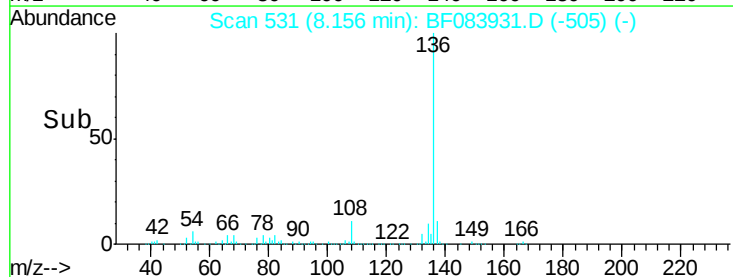
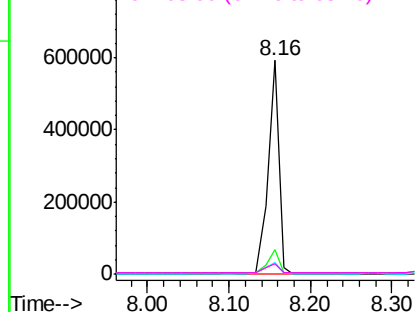


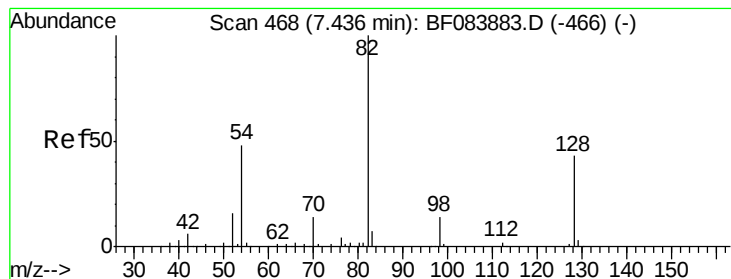
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 531
Delta R.T. 0.00 min
Lab File: BF083931.D
Acq: 18 Dec 2015 23:39

Tgt Ion:136 Resp: 559276
Ion Ratio Lower Upper
136 100
137 11.4 8.7 13.1
54 5.7 5.8 8.8#
68 4.7 4.2 6.2



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 57.82 ng

RT: 7.44 min Scan# 468

Delta R.T. 0.00 min

Lab File: BF083931.D

Acq: 18 Dec 2015 23:39

Instrument :

BNA_F

ClientSampleId :

K208-6-8RE

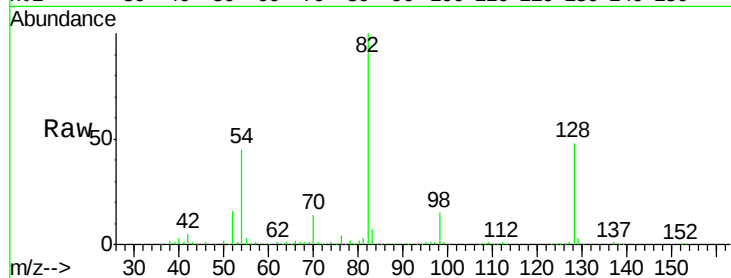
Tgt Ion: 82 Resp: 566581

Ion Ratio Lower Upper

82 100

128 48.3 34.6 51.8

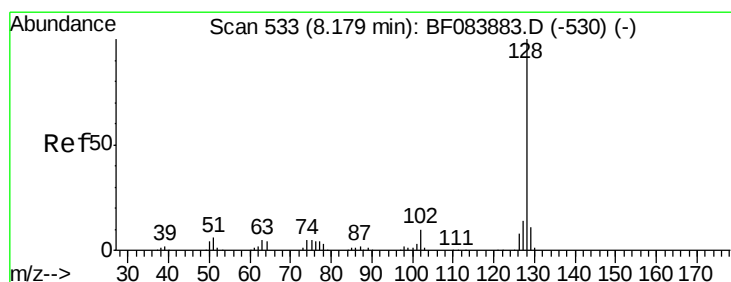
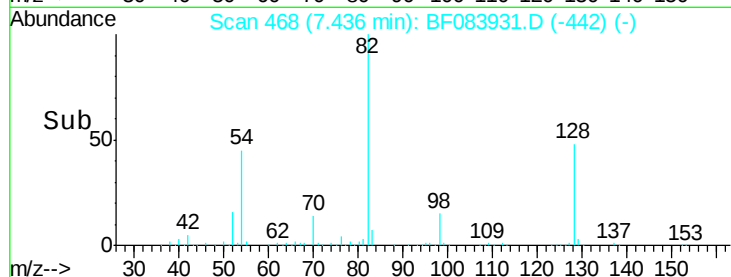
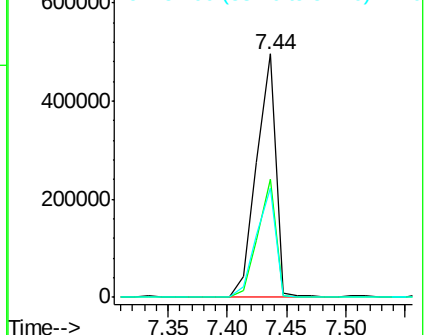
54 45.1 38.4 57.6



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#31

Naphthalene

Concen: Below Cal

RT: 8.18 min Scan# 533

Delta R.T. 0.00 min

Lab File: BF083931.D

Acq: 18 Dec 2015 23:39

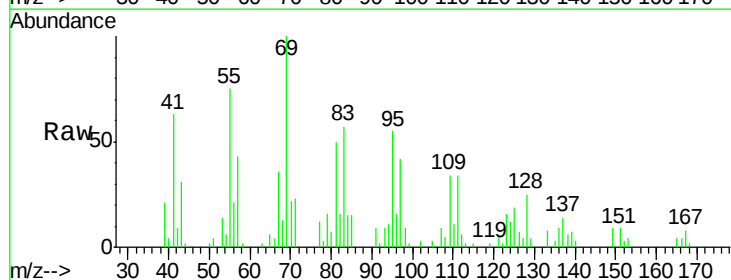
Tgt Ion: 128 Resp: 4919

Ion Ratio Lower Upper

128 100

129 14.5 9.1 13.7#

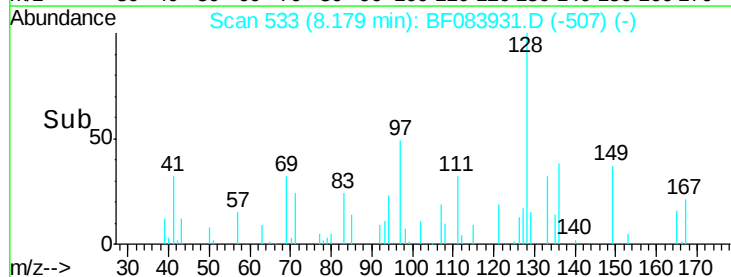
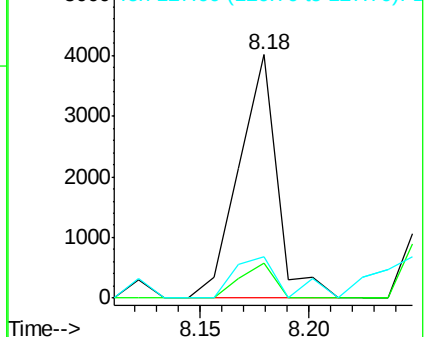
127 17.0 11.1 16.7#

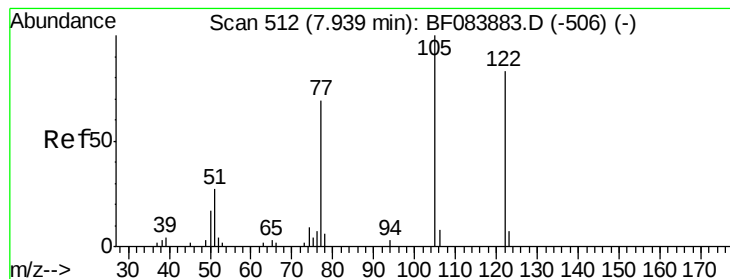


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 3.30 ng

RT: 7.95 min Scan# 513

Delta R.T. 0.01 min

Lab File: BF083931.D

Acq: 18 Dec 2015 23:39

Instrument :

BNA_F

ClientSampled :

K208-6-8RE

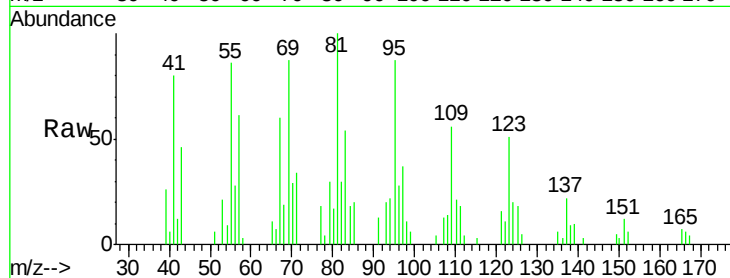
Tgt Ion:122 Resp: 4483

Ion Ratio Lower Upper

122 100

105 36.2 100.3 140.3#

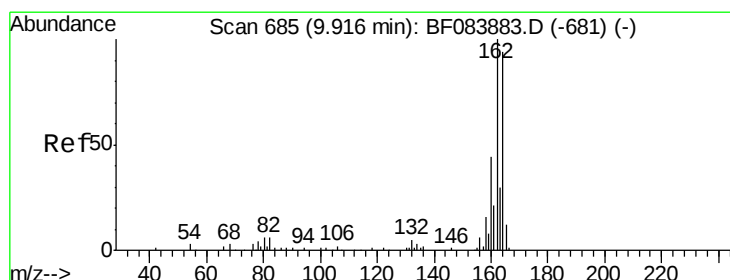
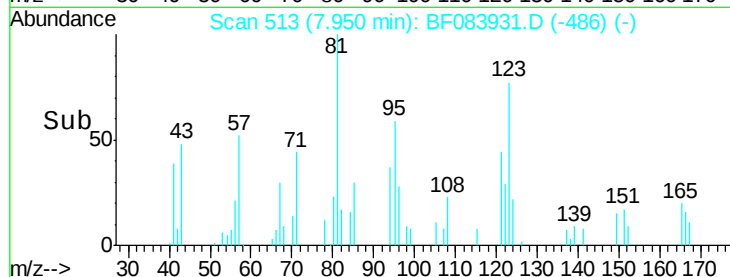
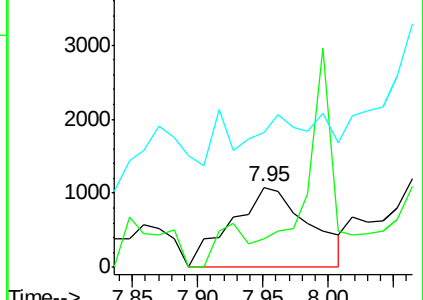
77 169.7 63.5 103.5#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 685

Delta R.T. 0.00 min

Lab File: BF083931.D

Acq: 18 Dec 2015 23:39

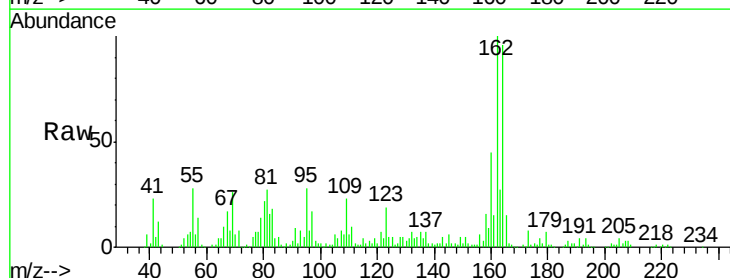
Tgt Ion:164 Resp: 196947

Ion Ratio Lower Upper

164 100

162 103.8 85.1 127.7

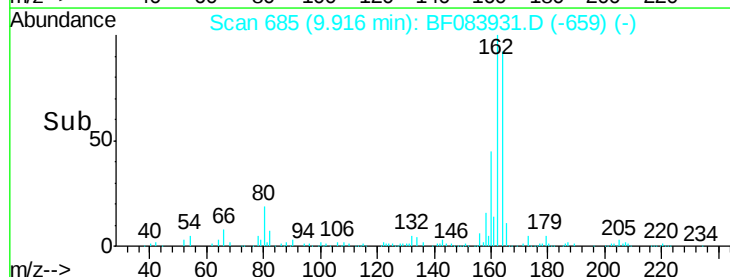
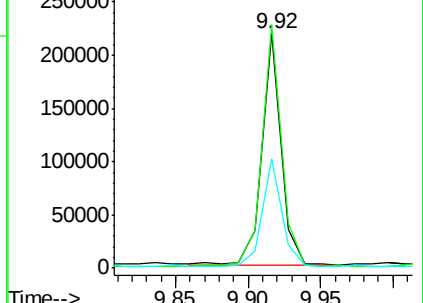
160 46.8 37.5 56.3

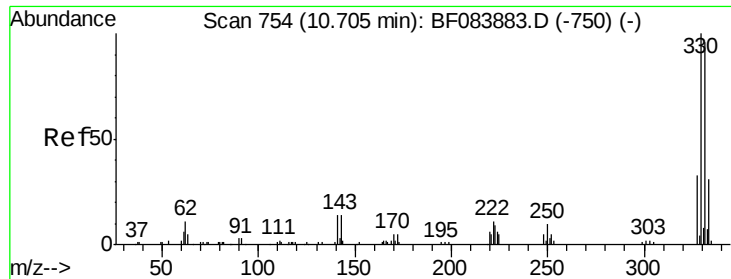


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

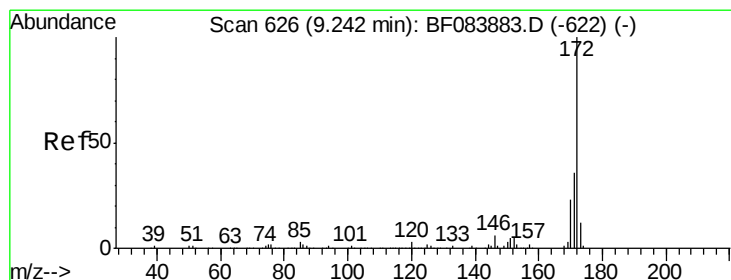
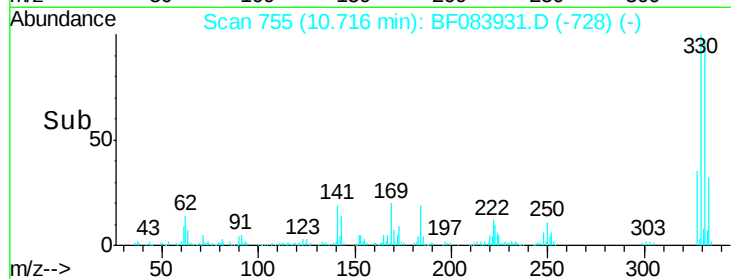
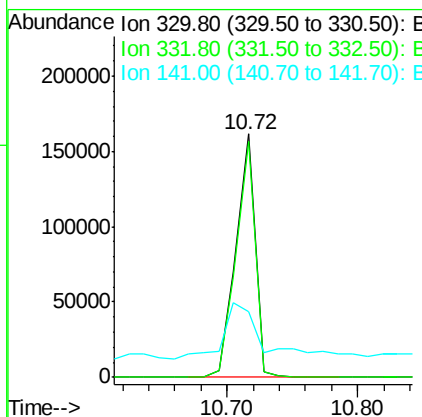
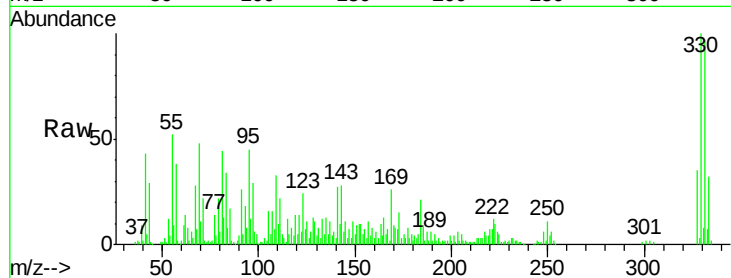




#41
 2,4,6-Tribromophenol
 Concen: 76.58 ng
 RT: 10.72 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: BF083931.D
 Acq: 18 Dec 2015 23:39

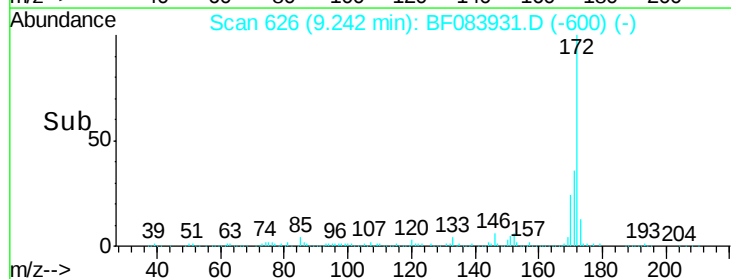
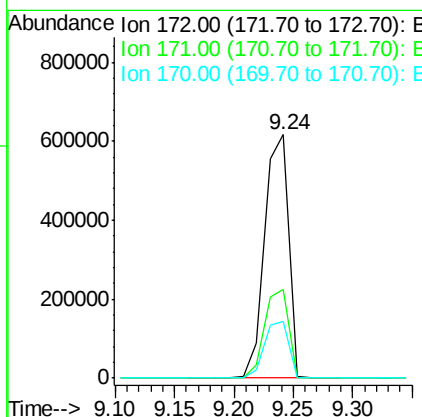
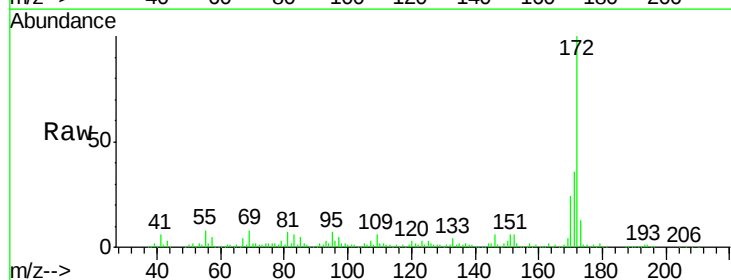
Instrument :
 BNA_F
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 K208-6-8RE

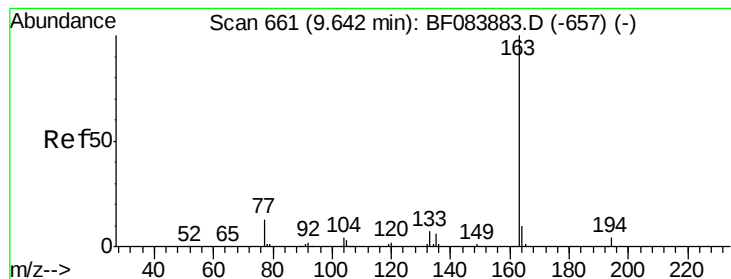
Tgt Ion:330 Resp: 166147
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.6 114.8
 141 36.7 27.8 41.6



#44
 2-Fluorobiphenyl
 Concen: 59.31 ng
 RT: 9.24 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: BF083931.D
 Acq: 18 Dec 2015 23:39

Tgt Ion:172 Resp: 872721
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.9 43.3
 170 23.5 18.6 27.8





#49

Dimethylphthalate

Concen: 11.18 ng

RT: 9.63 min Scan# 660

Delta R.T. -0.01 min

Lab File: BF083931.D

Acq: 18 Dec 2015 23:39

Instrument :

BNA_F

ClientSampleId :

K208-6-8RE

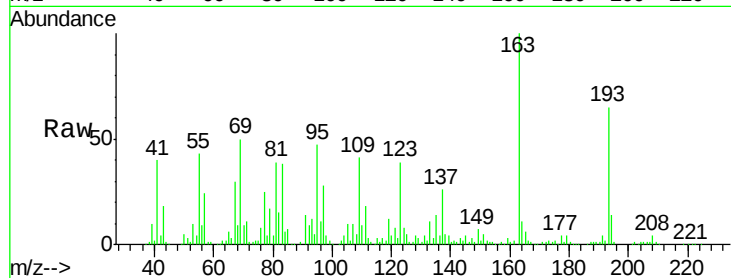
Tgt Ion:163 Resp: 184719

Ion Ratio Lower Upper

163 100

194 13.6 8.0 12.0#

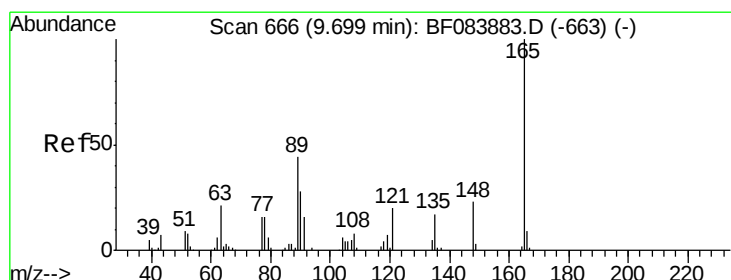
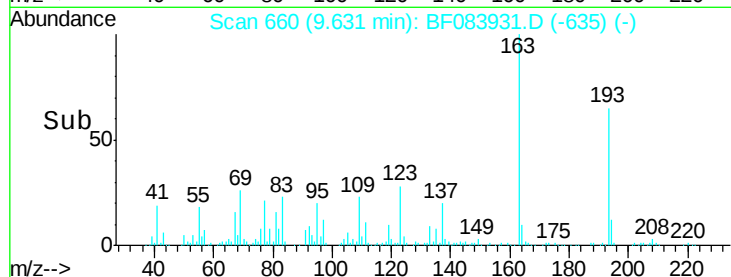
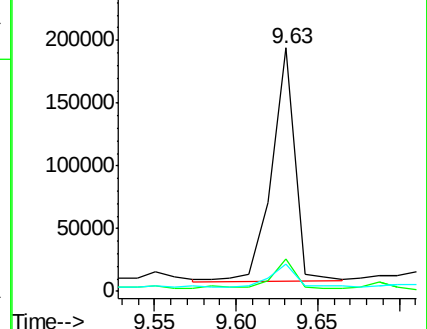
164 11.1 8.0 12.0



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



#50

2,6-Dinitrotoluene

Concen: 2.47 ng

RT: 9.69 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF083931.D

Acq: 18 Dec 2015 23:39

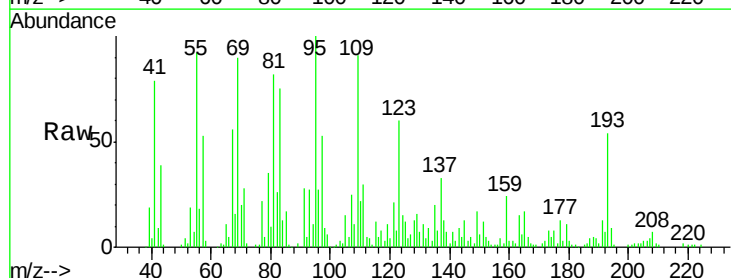
Tgt Ion:165 Resp: 8920

Ion Ratio Lower Upper

165 100

63 11.2 28.8 43.2#

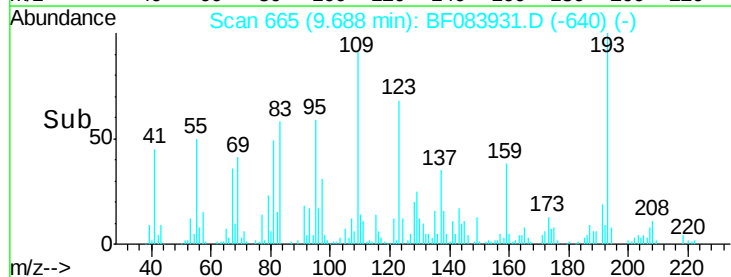
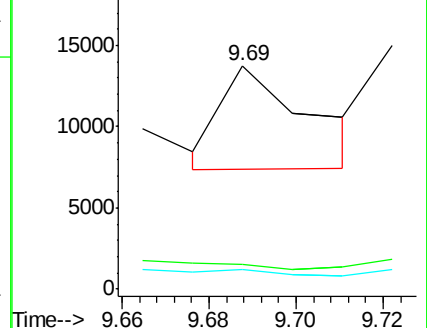
89 8.7 35.1 52.7#

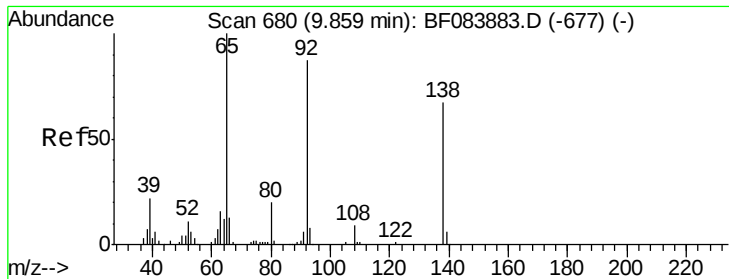


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#52

3-Nitroaniline

Concen: 4.79 ng

RT: 9.87 min Scan# 681

Delta R.T. 0.01 min

Lab File: BF083931.D

Acq: 18 Dec 2015 23:39

Instrument :

BNA_F

ClientSampleId :

K208-6-8RE

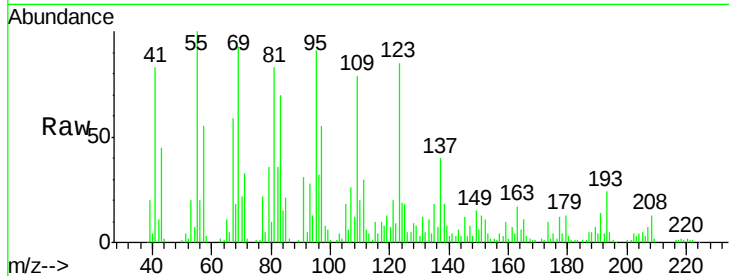
Tgt Ion:138 Resp: 18216

Ion Ratio Lower Upper

138 100

108 64.9 10.5 15.7#

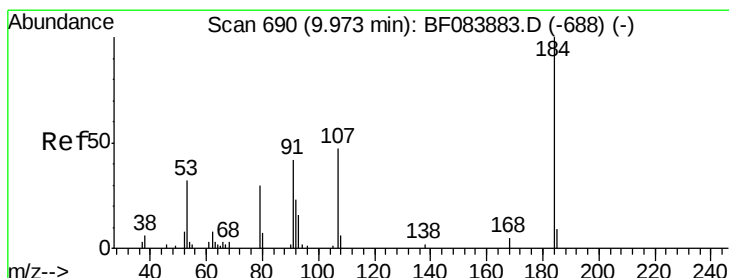
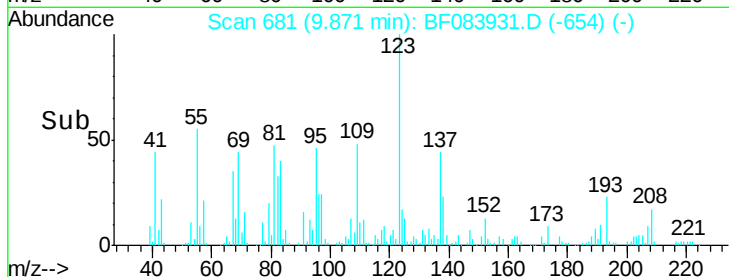
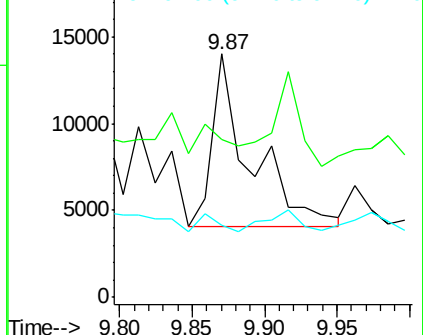
92 29.6 103.9 155.9#



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: 10.99 ng

RT: 10.13 min Scan# 704

Delta R.T. 0.16 min

Lab File: BF083931.D

Acq: 18 Dec 2015 23:39

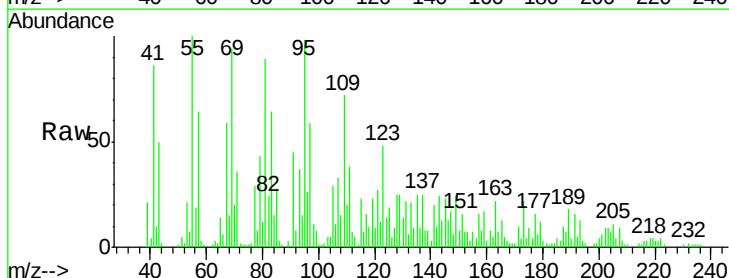
Tgt Ion:184 Resp: 1029

Ion Ratio Lower Upper

184 100

63 177.5 43.1 64.7#

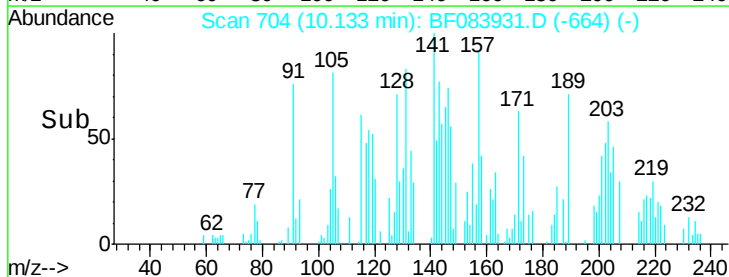
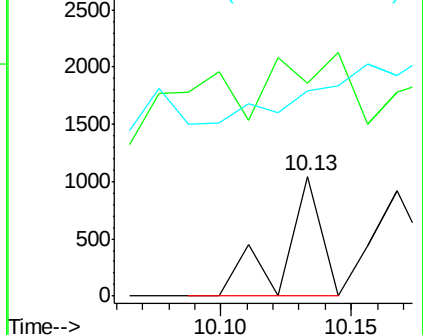
154 171.6 60.5 90.7#

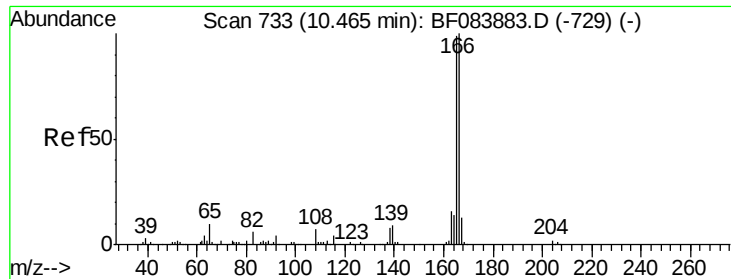


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

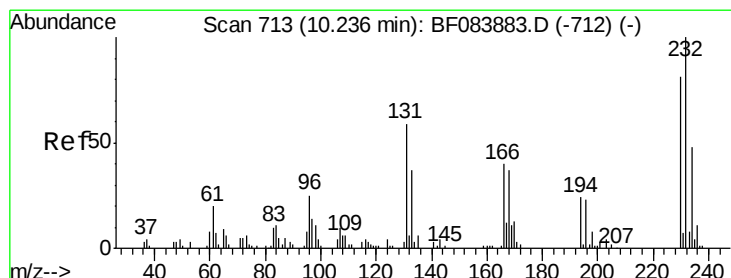
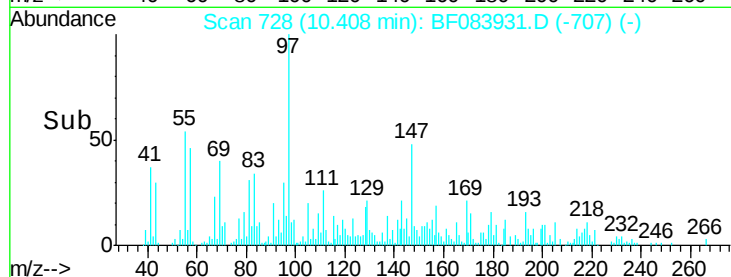
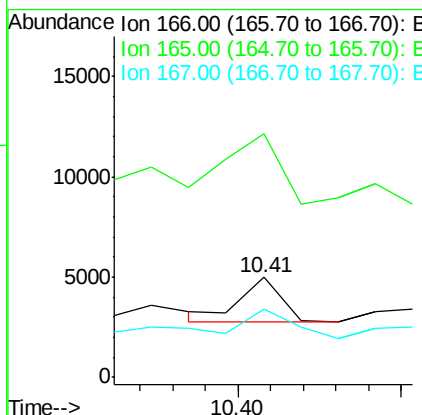
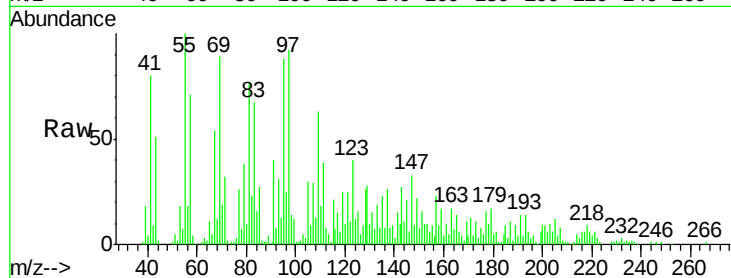




#57
 Fluorene
 Concen: Below Cal
 RT: 10.41 min Scan# 728
 Delta R.T. -0.06 min
 Lab File: BF083931.D
 Acq: 18 Dec 2015 23:39

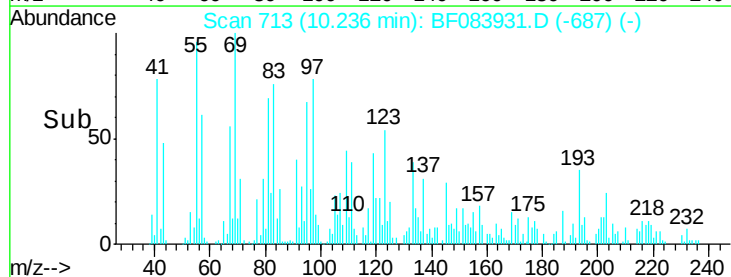
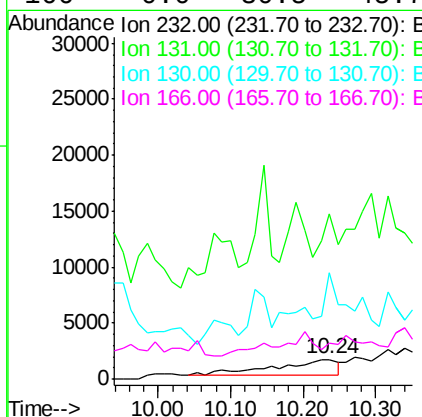
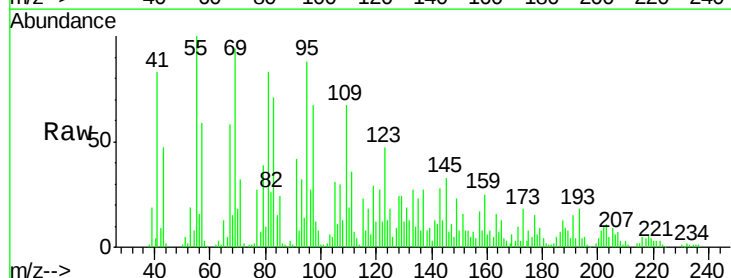
Instrument :
 BNA_F
 ClientSampleId :
 K208-6-8RE

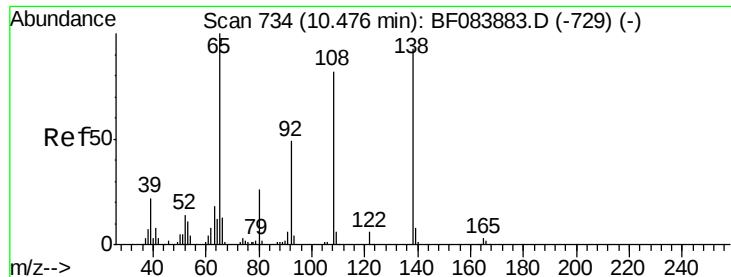
Tgt Ion:166 Resp: 1862
 Ion Ratio Lower Upper
 166 100
 165 243.5 79.1 118.7#
 167 68.1 10.4 15.6#



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 2.63 ng
 RT: 10.24 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: BF083931.D
 Acq: 18 Dec 2015 23:39

Tgt Ion:232 Resp: 7893
 Ion Ratio Lower Upper
 232 100
 131 58.3 47.0 70.6
 130 126.4 2.0 3.0#
 166 0.0 30.5 45.7#





#61

4-Nitroaniline

Concen: 2.82 ng

RT: 10.33 min Scan# 721

Delta R.T. -0.15 min

Lab File: BF083931.D

Acq: 18 Dec 2015 23:39

Instrument :

BNA_F

ClientSampleId :

K208-6-8RE

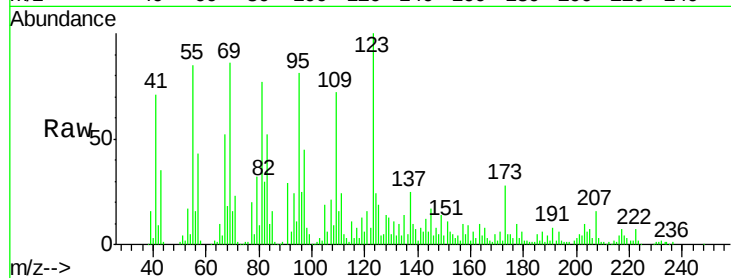
Tgt Ion:138 Resp: 11097

Ion Ratio Lower Upper

138 100

92 57.7 32.6 72.6

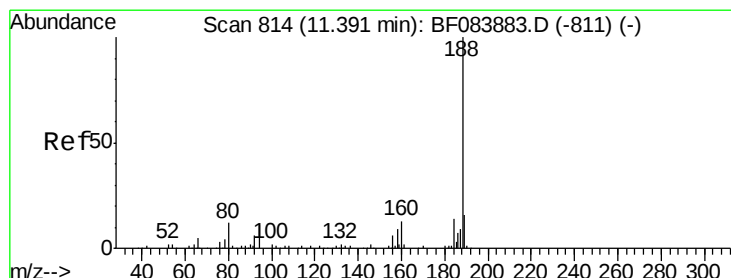
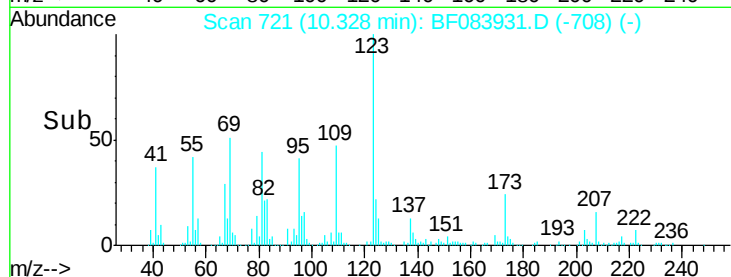
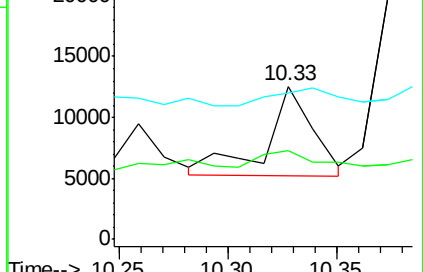
108 95.9 68.6 108.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 816

Delta R.T. 0.02 min

Lab File: BF083931.D

Acq: 18 Dec 2015 23:39

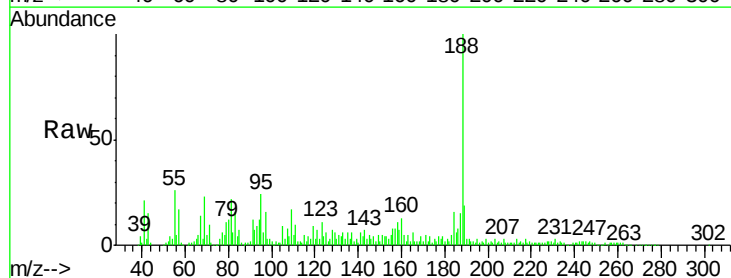
Tgt Ion:188 Resp: 330706

Ion Ratio Lower Upper

188 100

94 12.2 9.0 13.4

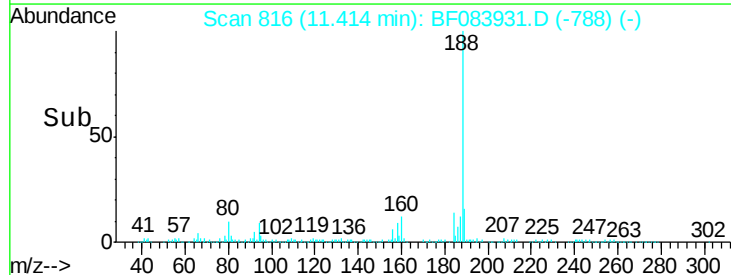
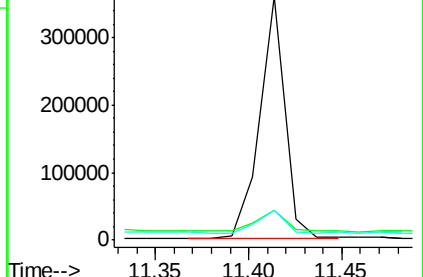
80 12.2 9.6 14.4

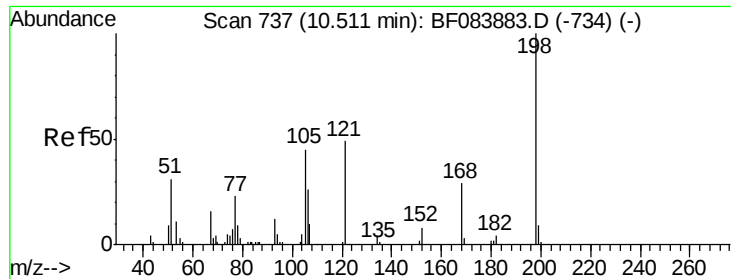


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

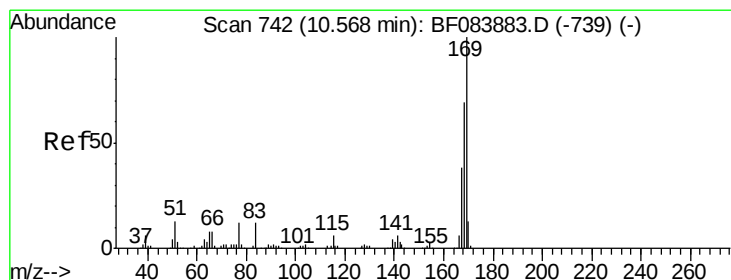
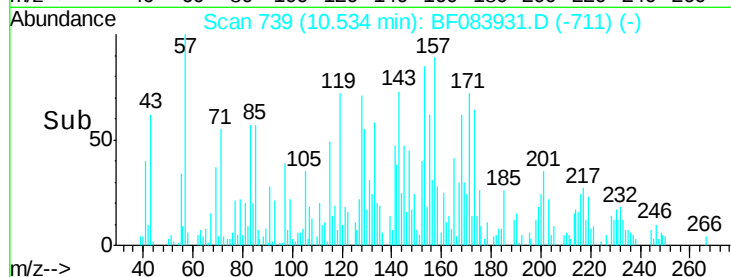
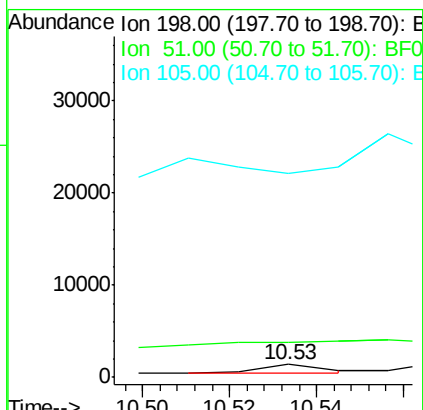
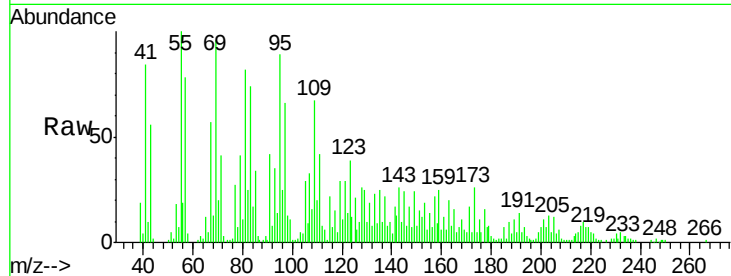




#64
4,6-Dinitro-2-methylphenol
Concen: 4.35 ng
RT: 10.53 min Scan# 739
Delta R.T. 0.02 min
Lab File: BF083931.D
Acq: 18 Dec 2015 23:39

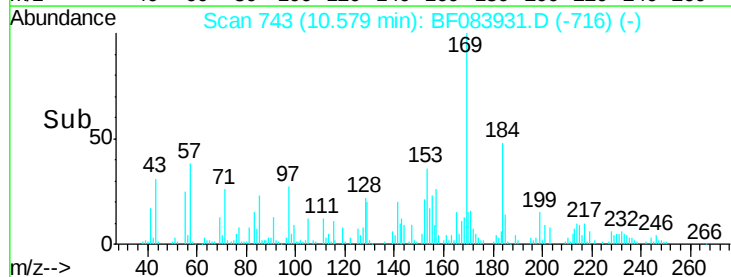
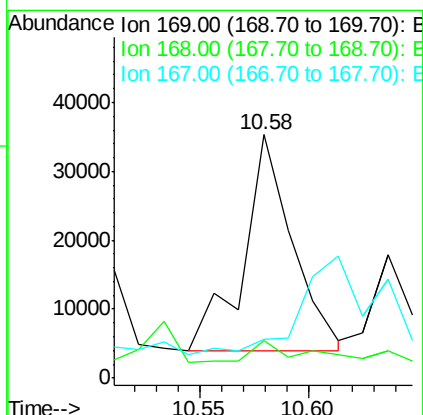
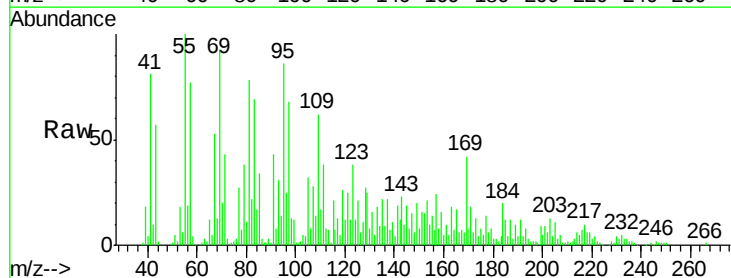
Instrument :
BNA_F
ClientSampleId :
K208-6-8RE

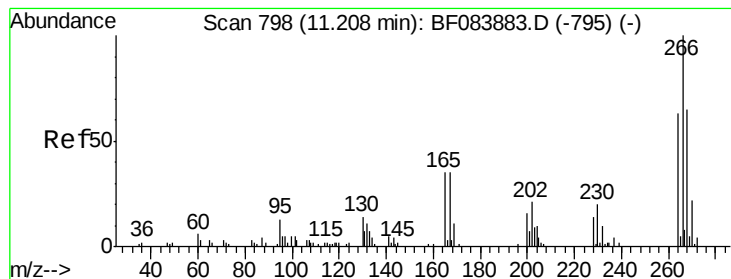
Tgt Ion:198 Resp: 937
Ion Ratio Lower Upper
198 100
51 272.2 18.9 58.9#
105 1584.0 26.4 66.4#



#65
n-Nitrosodiphenylamine
Concen: 4.10 ng
RT: 10.58 min Scan# 743
Delta R.T. 0.01 min
Lab File: BF083931.D
Acq: 18 Dec 2015 23:39

Tgt Ion:169 Resp: 49307
Ion Ratio Lower Upper
169 100
168 15.3 55.1 82.7#
167 16.0 30.0 45.0#





#69

Pentachlorophenol

Concen: 4.96 ng

RT: 11.22 min Scan# 799

Delta R.T. 0.01 min

Lab File: BF083931.D

Acq: 18 Dec 2015 23:39

Instrument :

BNA_F

ClientSampleId :

K208-6-8RE

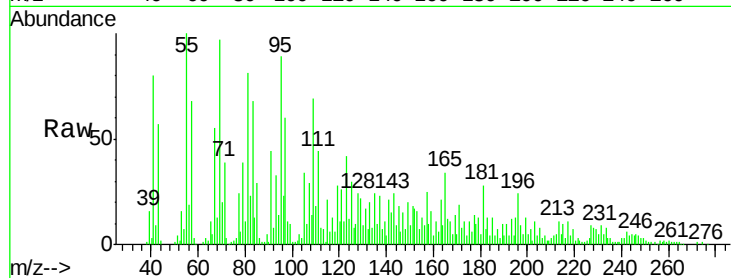
Tgt Ion:266 Resp: 463

Ion Ratio Lower Upper

266 100

268 0.0 52.4 78.6#

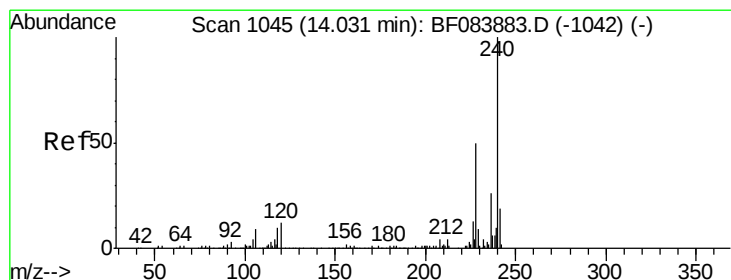
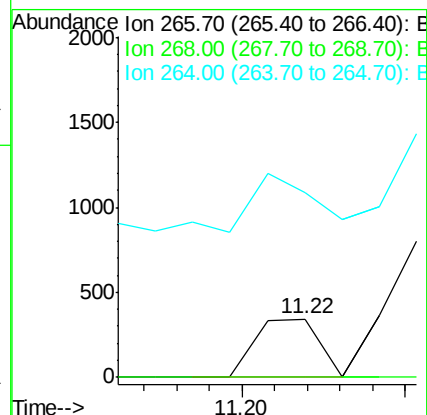
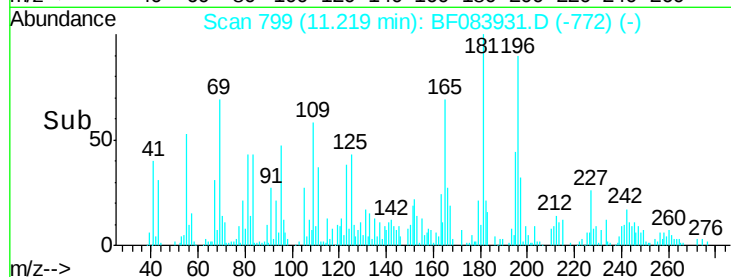
264 317.5 50.2 75.2#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1046

Delta R.T. 0.01 min

Lab File: BF083931.D

Acq: 18 Dec 2015 23:39

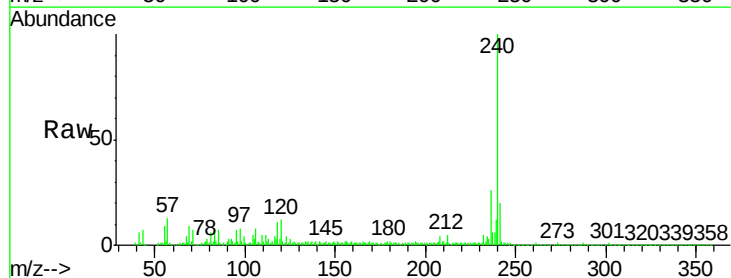
Tgt Ion:240 Resp: 285228

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

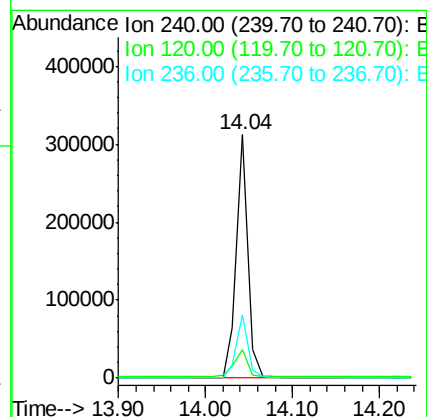
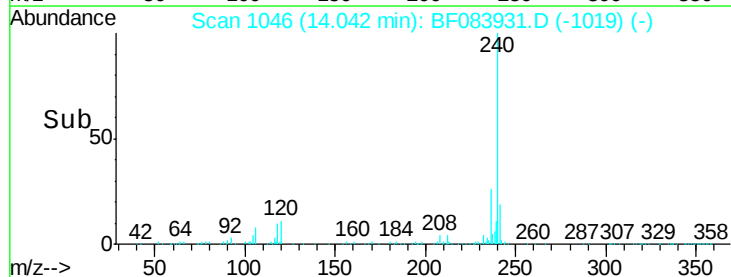
236 26.0 20.6 31.0

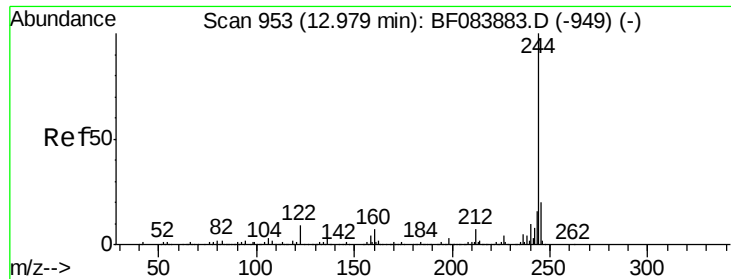


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

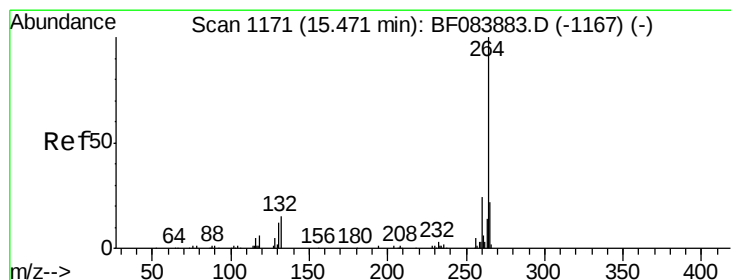
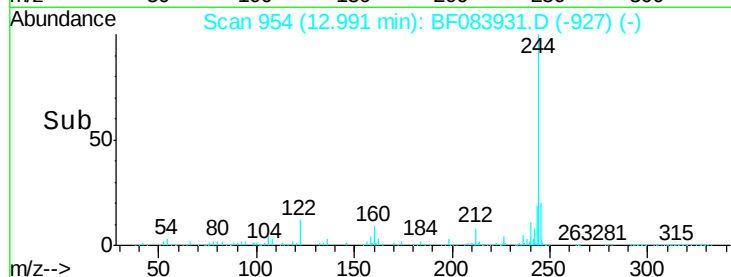
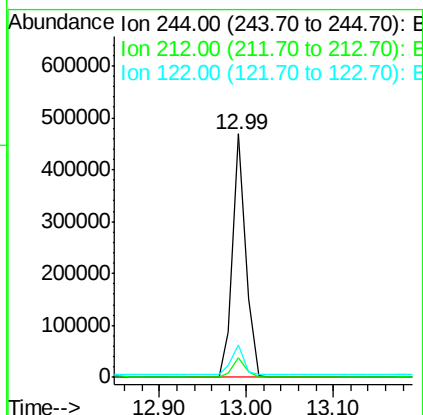
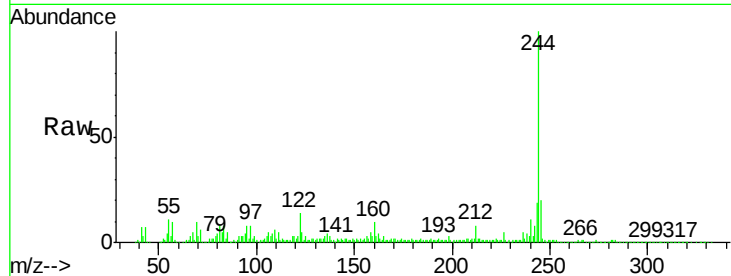




#78
 Terphenyl-d14
 Concen: 36.29 ng
 RT: 12.99 min Scan# 954
 Delta R.T. 0.01 min
 Lab File: BF083931.D
 Acq: 18 Dec 2015 23:39

Instrument :
 BNA_F
 ClientSampleId :
 K208-6-8RE

Tgt Ion:244 Resp: 486590
 Ion Ratio Lower Upper
 244 100
 212 8.1 5.7 8.5
 122 13.6 7.4 11.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.48 min Scan# 1172
 Delta R.T. 0.01 min
 Lab File: BF083931.D
 Acq: 18 Dec 2015 23:39

Tgt Ion:264 Resp: 318882
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.4 29.2
 265 22.0 17.8 26.6

