

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
 Data File : BF083894.D
 Acq On : 18 Dec 2015 3:52
 Operator : UM/SJ
 Sample : G4680-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K200-(0-2)

Quant Time: Dec 18 05:49:21 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 01:01:02 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	55651	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	205939	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	95023	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	139509	20.00	ng	0.00
75) Chrysene-d12	14.03	240	103258	20.00	ng	0.00
86) Perylene-d12	15.48	264	94895	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	319859	89.95	ng	0.00
7) Phenol-d6	6.51	99	412805	94.84	ng	0.00
23) Nitrobenzene-d5	7.44	82	243574	67.50	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	98133	93.74	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	514031	74.49	ng	0.00
78) Terphenyl-d14	12.98	244	327246	73.23	ng	0.00

Target Compounds

						Qvalue
3) Pyridine	3.25	79	23000	6.03	ng	# 38
9) Benzaldehyde	6.65	77	8924	3.40	ng	91
15) Benzyl Alcohol	7.04	79	7163	2.17	ng	# 44
18) Hexachloroethane	7.41	117	29416	17.25	ng	# 11
19) n-Nitroso-di-n-propylamine	7.44	70	34329	13.53	ng	# 78
22) Acetophenone	7.28	105	13539	2.73	ng	# 94
24) Nitrobenzene	7.49	77	8908	2.39	ng	# 11
25) Isophorone	7.44	82	207719	30.60	ng	# 66
31) Naphthalene	8.18	128	70244	4.81	ng	97
32) Benzoic acid	7.89	122	3089	4.94	ng	# 18
33) 4-Chloroaniline	8.18	127	9918	2.12	ng	# 27
36) 4-Chloro-3-methylphenol	8.72	107	1064	Below	Cal	# 1
37) 2-Methylnaphthalene	8.88	142	24062	3.36	ng	# 89
45) 1,1'-Biphenyl	9.33	154	5166	Below	Cal	97
46) 2-Chloronaphthalene	9.40	162	306	Below	Cal	# 1
48) Acenaphthylene	9.77	152	78019	7.04	ng	97
49) Dimethylphthalate	9.63	163	117935	14.79	ng	97
53) 2,4-Dinitrophenol	9.85	184	281	10.69	ng	# 1
57) Fluorene	10.46	166	6285	Below	Cal	# 55
64) 4,6-Dinitro-2-methylphenol	10.69	198	212	4.16	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	6376	3.74	ng	# 1
69) Pentachlorophenol	11.21	266	213	4.98	ng	# 18
70) Phenanthrene	11.41	178	78044	9.26	ng	96
71) Anthracene	11.47	178	36389	4.47	ng	99
74) Fluoranthene	12.61	202	147640	17.55	ng	94
77) Pyrene	12.84	202	211172	32.99	ng	99
80) Benzo(a)anthracene	14.03	228	125634	19.79	ng	# 83
82) Chrysene	14.03	228	125634	20.49	ng	# 87
85) Indeno(1,2,3-cd)pyrene	16.76	276	16466	3.59	ng	91
87) Benzo(b)fluoranthene	15.07	252	186531	26.96	ng	# 93
88) Benzo(k)fluoranthene	15.07	252	186531	32.68	ng	# 97
89) Benzo(a)pyrene	15.43	252	97075	16.99	ng	# 94
90) Dibenzo(a,h)anthracene	16.91	278	20068	4.52	ng	# 76
91) Benzo(g,h,i)perylene	17.35	276	80506	18.48	ng	96

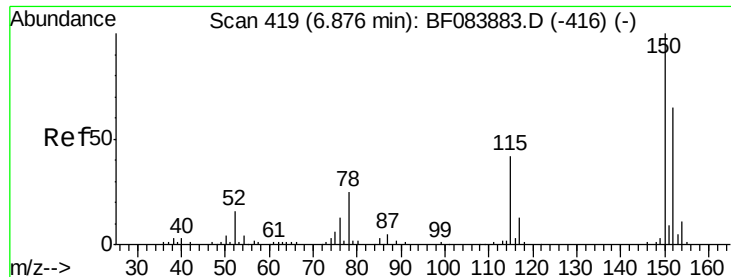
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083894.D
Acq On : 18 Dec 2015 3:52
Operator : UM/SJ
Sample : G4680-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
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K200-(0-2)

Quant Time: Dec 18 05:49:21 2015
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 18 01:01:02 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 419

Delta R.T. 0.00 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

Instrument :

BNA_F

ClientSampleId :

K200-(0-2)

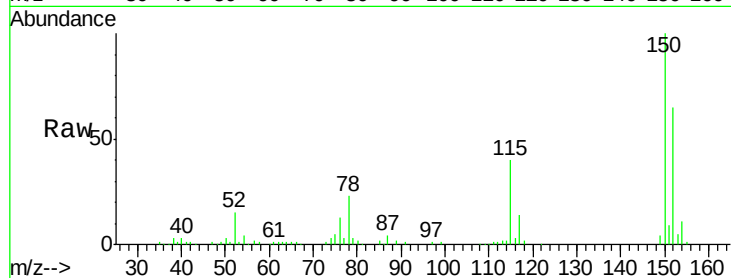
Tgt Ion:152 Resp: 55651

Ion Ratio Lower Upper

152 100

150 154.2 123.0 184.4

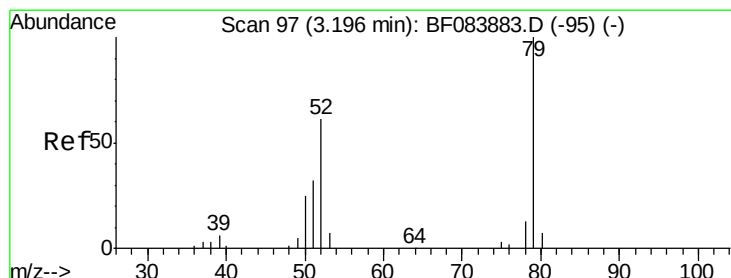
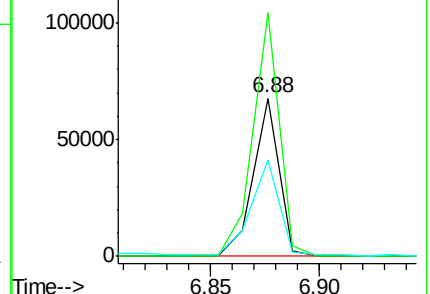
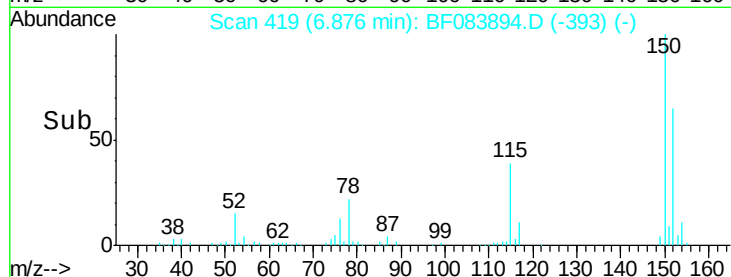
115 61.1 51.4 77.2



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



#3

Pyridine

Concen: 6.03 ng

RT: 3.25 min Scan# 102

Delta R.T. 0.06 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

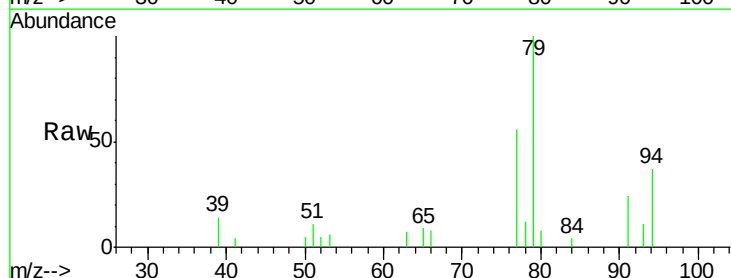
Tgt Ion: 79 Resp: 23000

Ion Ratio Lower Upper

79 100

52 4.6 49.0 73.4#

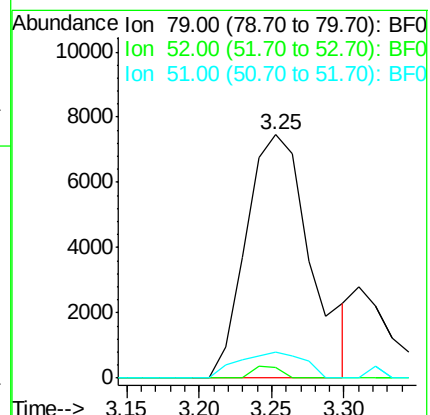
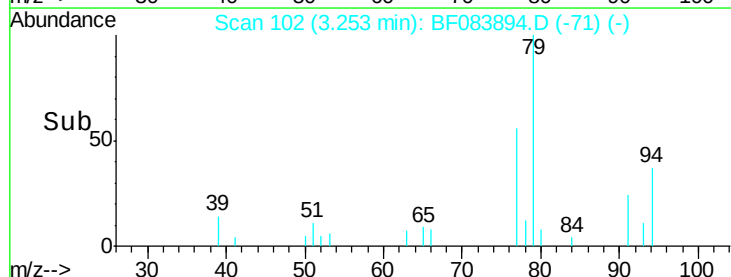
51 10.9 25.2 37.8#

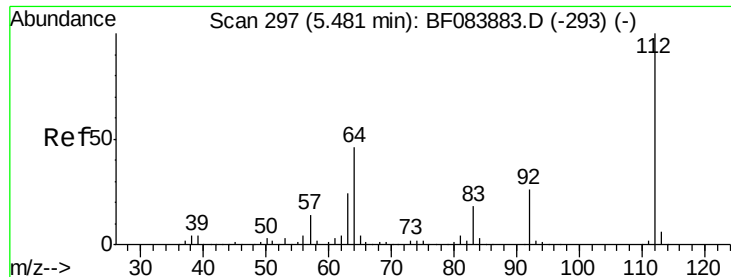


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0





#5

2-Fluorophenol

Concen: 89.95 ng

RT: 5.48 min Scan# 297

Delta R.T. 0.00 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

Instrument :

BNA_F

ClientSampleId :

K200-(0-2)

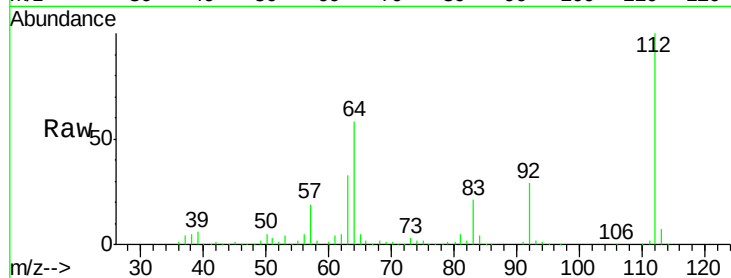
Tgt Ion: 112 Resp: 319859

Ion Ratio Lower Upper

112 100

64 58.3 36.6 55.0#

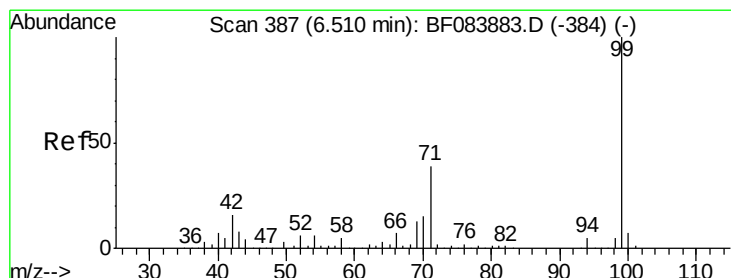
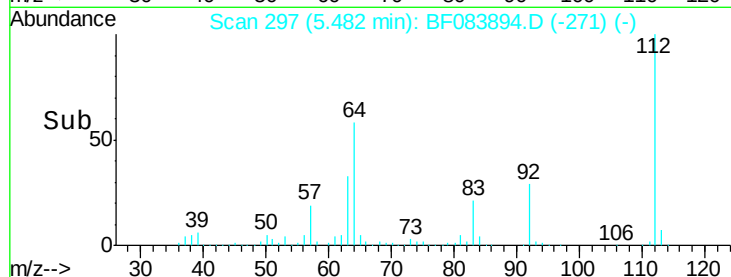
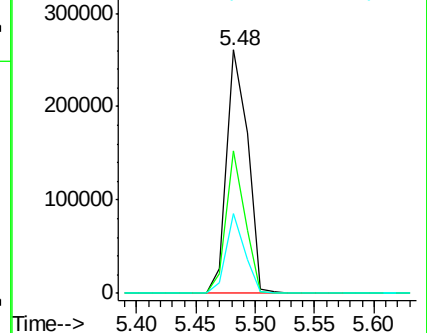
63 33.0 19.4 29.0#



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: 94.84 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

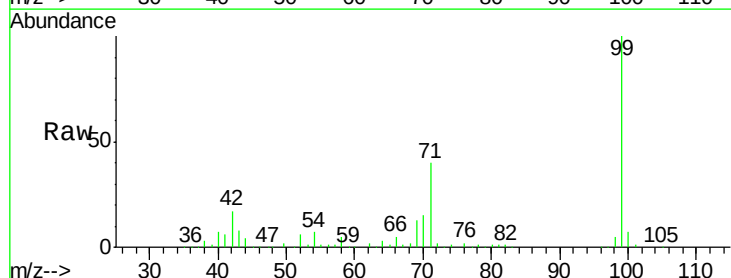
Tgt Ion: 99 Resp: 412805

Ion Ratio Lower Upper

99 100

42 16.6 12.8 19.2

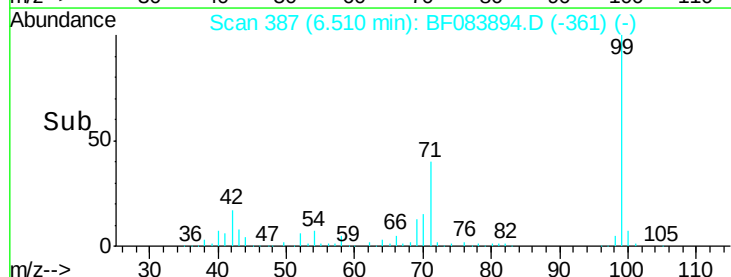
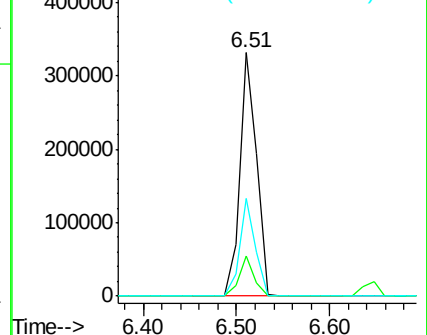
71 40.3 30.9 46.3

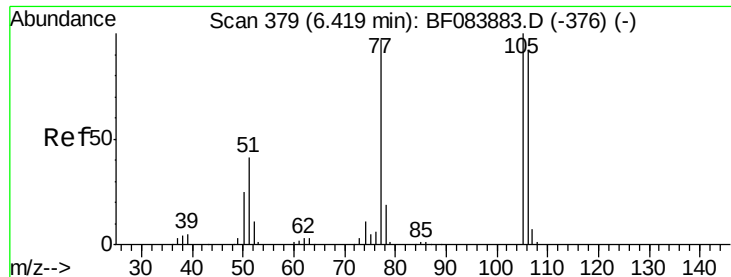


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 3.40 ng

RT: 6.65 min Scan# 399

Delta R.T. 0.23 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

Instrument :

BNA_F

ClientSampled :

K200-(0-2)

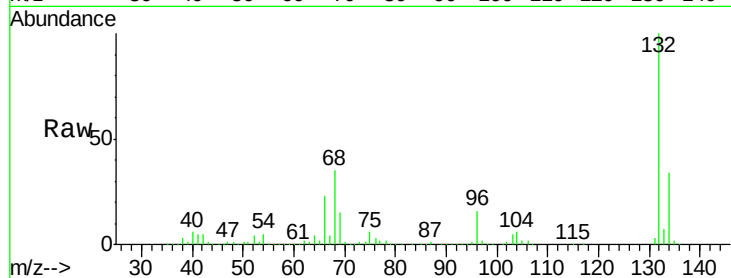
Tgt Ion: 77 Resp: 8924

Ion Ratio Lower Upper

77 100

105 92.5 83.0 123.0

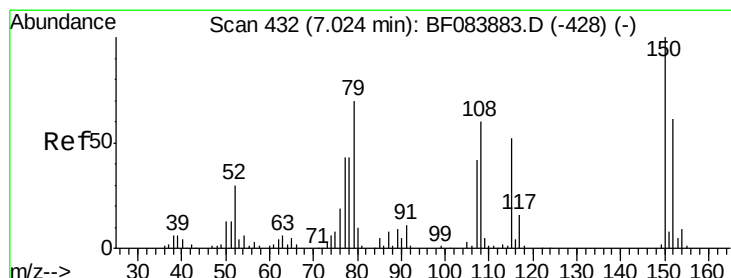
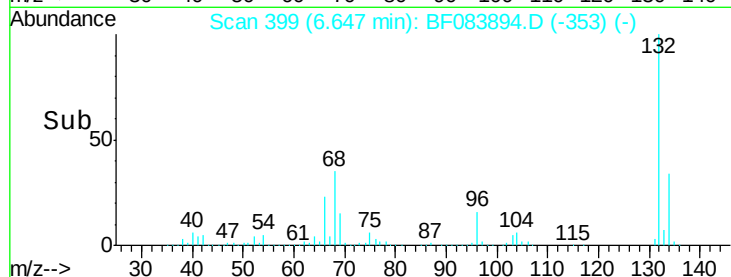
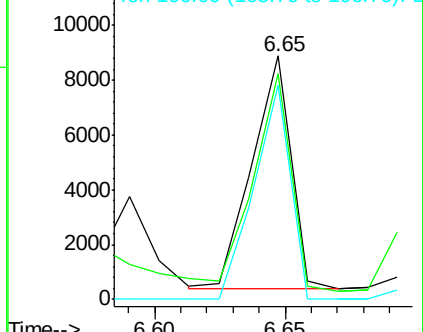
106 87.8 74.6 114.6



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



#15

Benzyl Alcohol

Concen: 2.17 ng

RT: 7.04 min Scan# 433

Delta R.T. 0.01 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

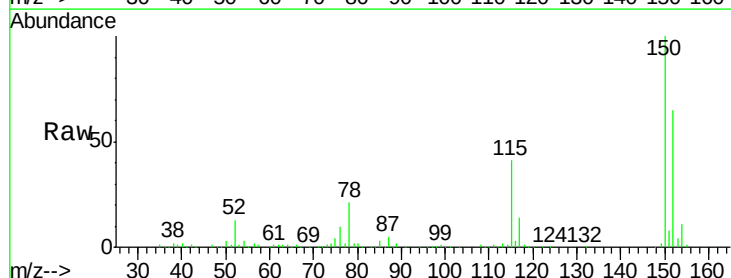
Tgt Ion: 79 Resp: 7163

Ion Ratio Lower Upper

79 100

108 37.0 69.0 103.4#

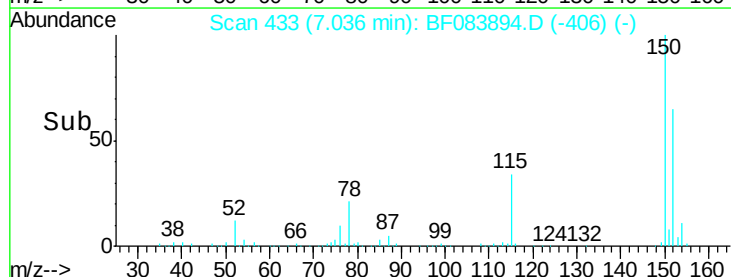
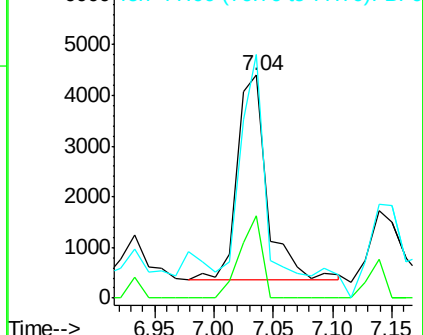
77 109.3 50.0 75.0#

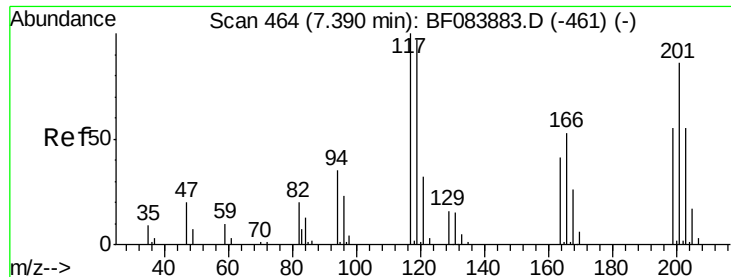


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

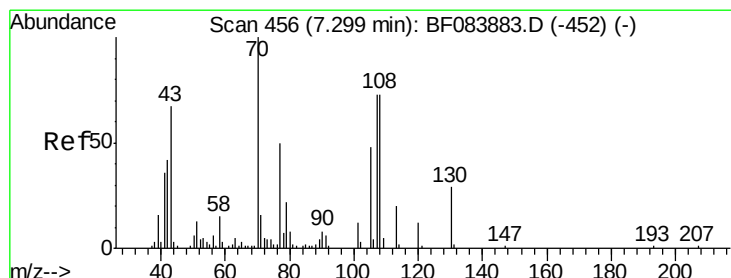
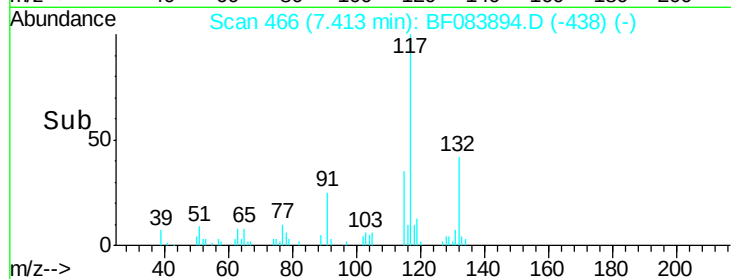
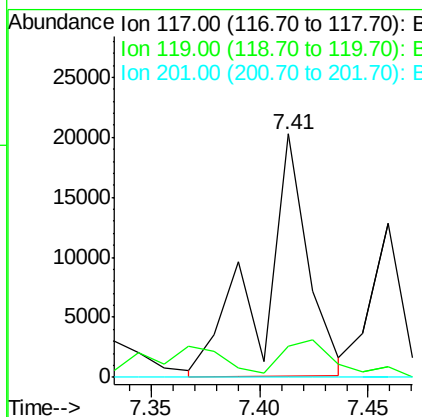
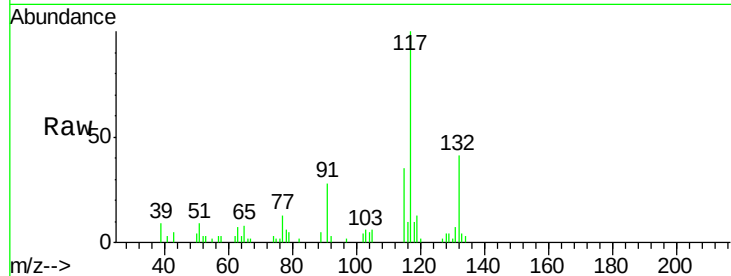




#18
Hexachloroethane
Concen: 17.25 ng
RT: 7.41 min Scan# 466
Delta R.T. 0.02 min
Lab File: BF083894.D
Acq: 18 Dec 2015 3:52

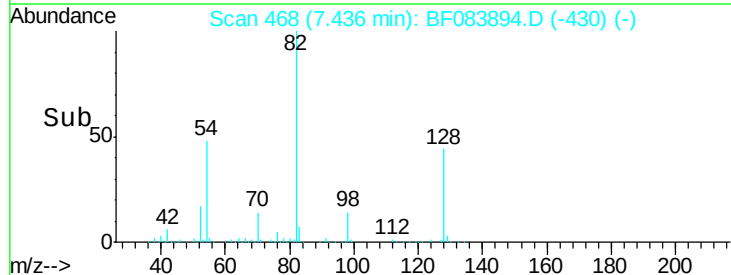
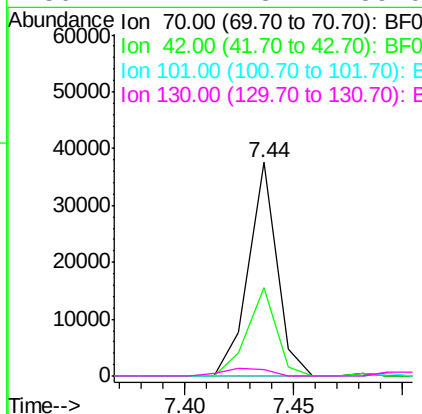
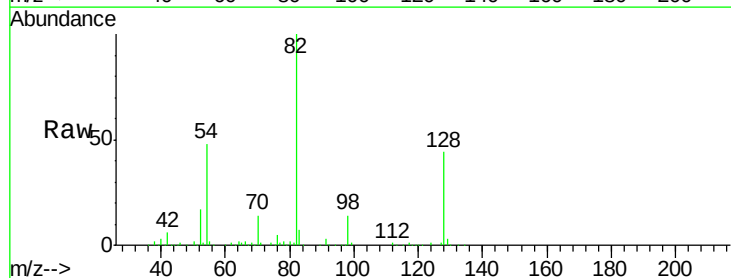
Instrument :
BNA_F
ClientSampleId :
K200-(0-2)

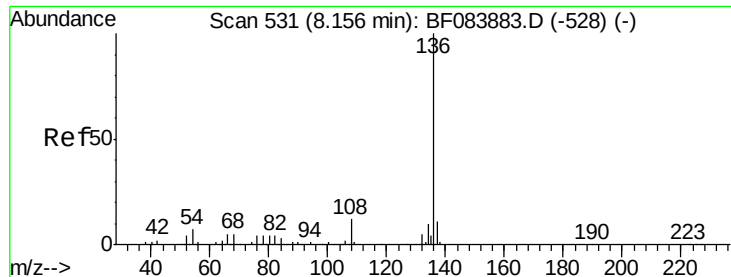
Tgt Ion: 117 Resp: 29416
Ion Ratio Lower Upper
117 100
119 12.6 77.4 116.0#
201 0.0 68.6 103.0#



#19
n-Nitroso-di-n-propylamine
Concen: 13.53 ng
RT: 7.44 min Scan# 468
Delta R.T. 0.14 min
Lab File: BF083894.D
Acq: 18 Dec 2015 3:52

Tgt Ion: 70 Resp: 34329
Ion Ratio Lower Upper
70 100
42 41.4 33.3 49.9
101 0.0 9.3 13.9#
130 2.7 23.4 35.0#

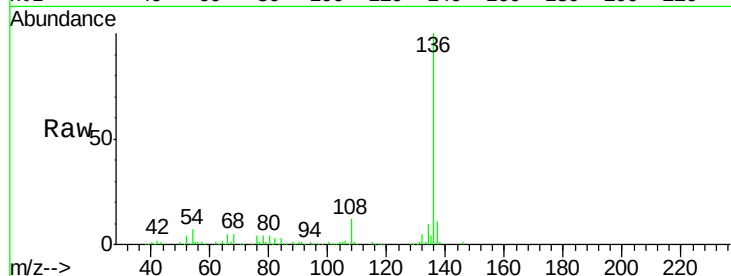




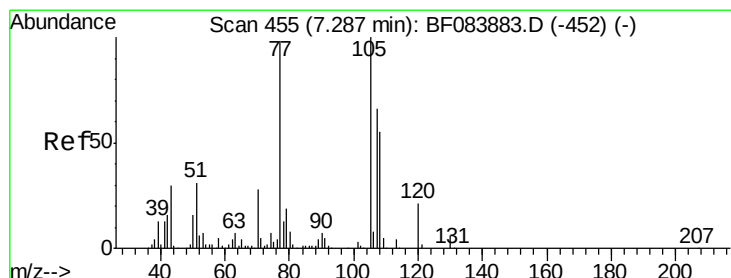
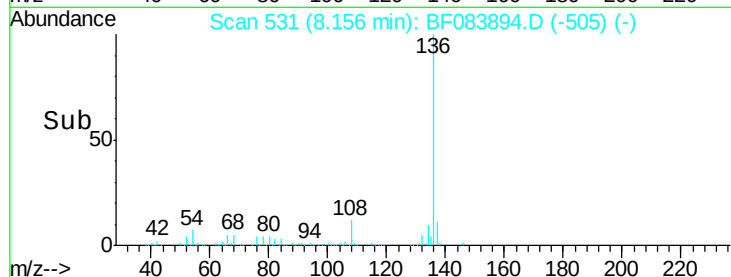
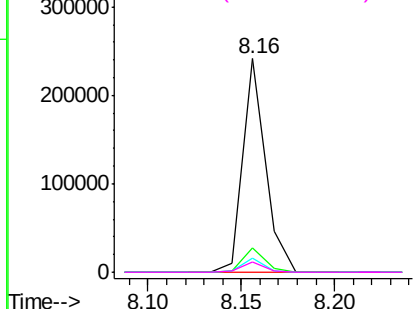
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 531
Delta R.T. 0.00 min
Lab File: BF083894.D
Acq: 18 Dec 2015 3:52

Instrument :
BNA_F
ClientSampleId :
K200-(0-2)

Tgt Ion:	136	Resp:	205939
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	6.9	5.8	8.8
68	4.9	4.2	6.2

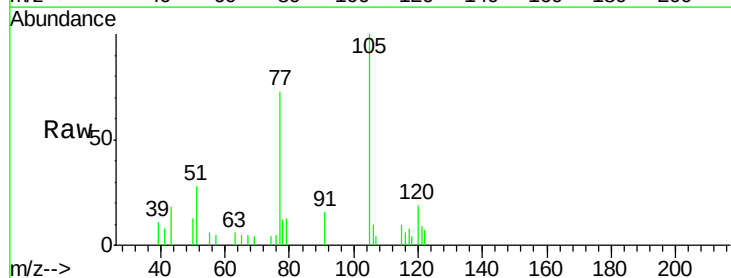


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

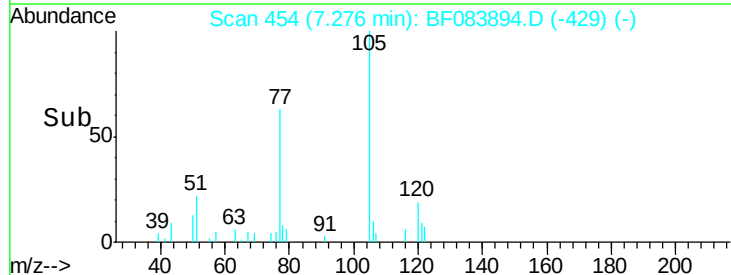
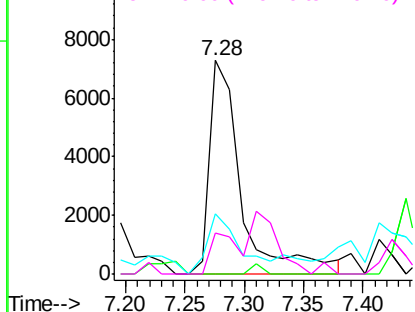


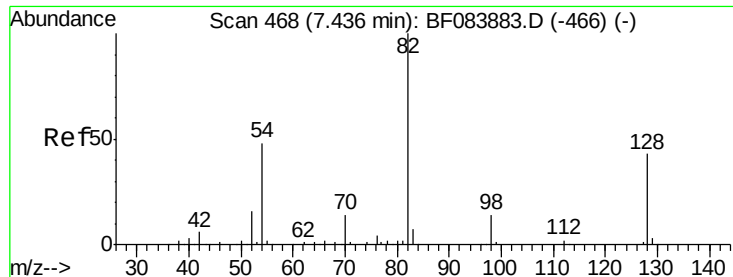
#22
Acetophenone
Concen: 2.73 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.01 min
Lab File: BF083894.D
Acq: 18 Dec 2015 3:52

Tgt Ion:	105	Resp:	13539
Ion	Ratio	Lower	Upper
105	100		
71	0.0	3.7	5.5#
51	28.2	25.1	37.7
120	19.2	16.6	25.0



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E

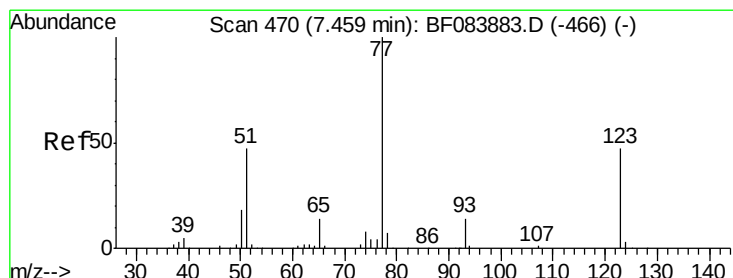
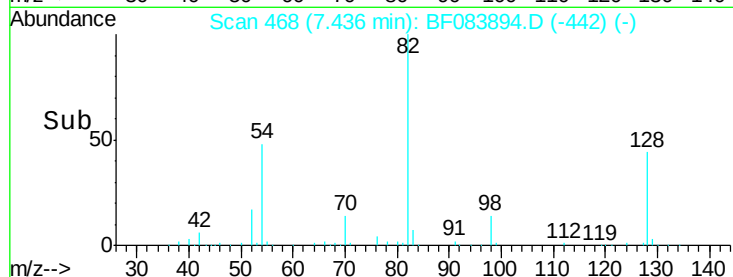
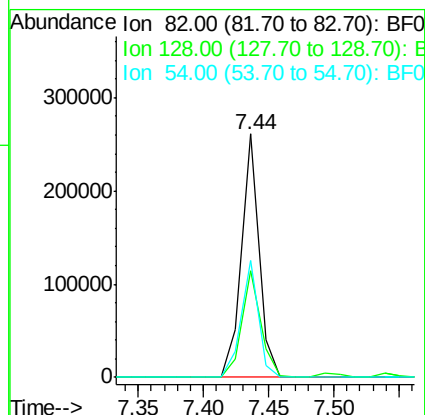
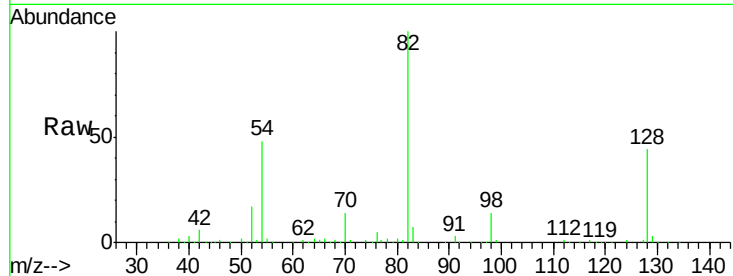




#23
Nitrobenzene-d5
Concen: 67.50 ng
RT: 7.44 min Scan# 468
Delta R.T. 0.00 min
Lab File: BF083894.D
Acq: 18 Dec 2015 3:52

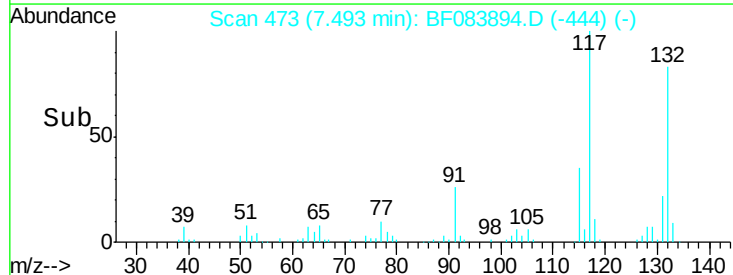
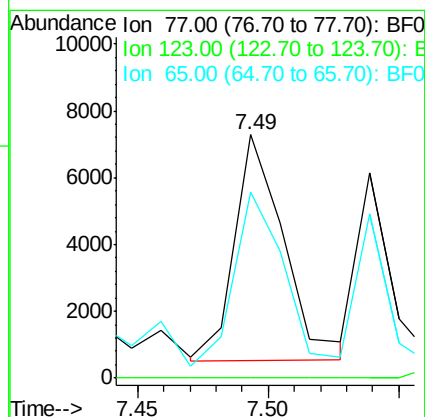
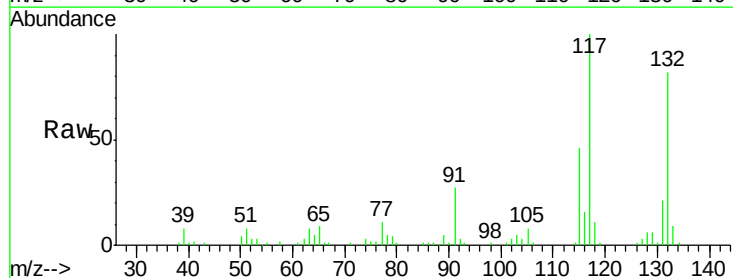
Instrument :
BNA_F
ClientSampleId :
K200-(0-2)

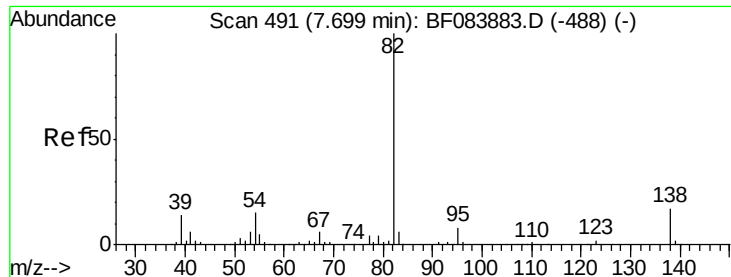
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.0	34.6	51.8
54	47.9	38.4	57.6



#24
Nitrobenzene
Concen: 2.39 ng
RT: 7.49 min Scan# 473
Delta R.T. 0.03 min
Lab File: BF083894.D
Acq: 18 Dec 2015 3:52

Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	37.4	56.2#
65	76.3	10.9	16.3#





#25

Isophorone

Concen: 30.60 ng

RT: 7.44 min Scan# 468

Delta R.T. -0.26 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

Instrument :

BNA_F

ClientSampleId :

K200-(0-2)

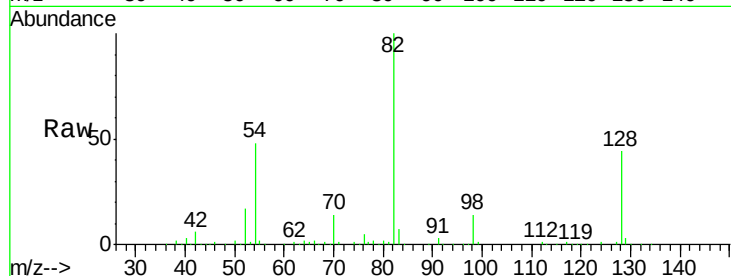
Tgt Ion: 82 Resp: 207719

Ion Ratio Lower Upper

82 100

95 0.0 6.6 10.0#

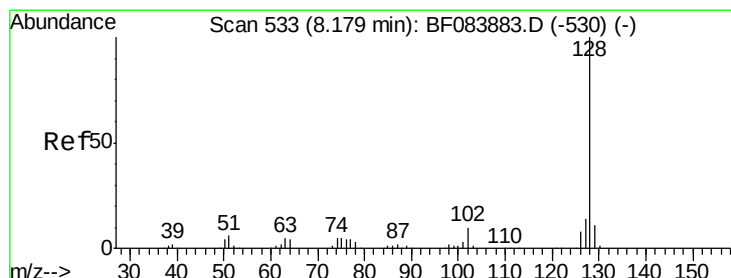
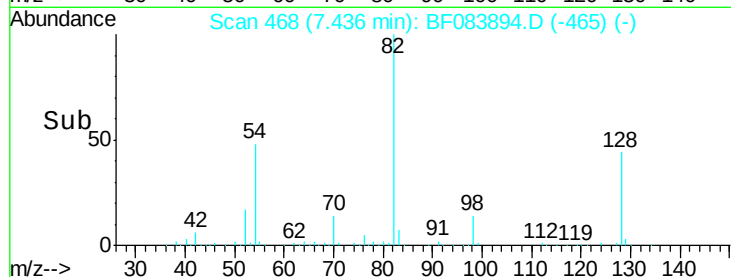
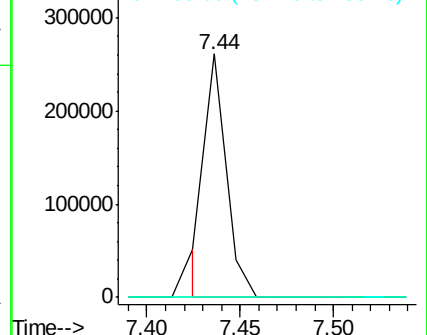
138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#31

Naphthalene

Concen: 4.81 ng

RT: 8.18 min Scan# 533

Delta R.T. 0.00 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

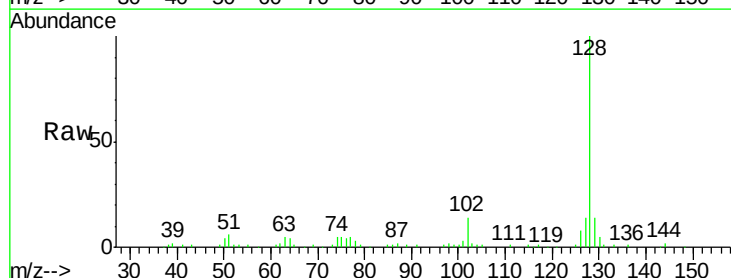
Tgt Ion: 128 Resp: 70244

Ion Ratio Lower Upper

128 100

129 13.5 9.1 13.7

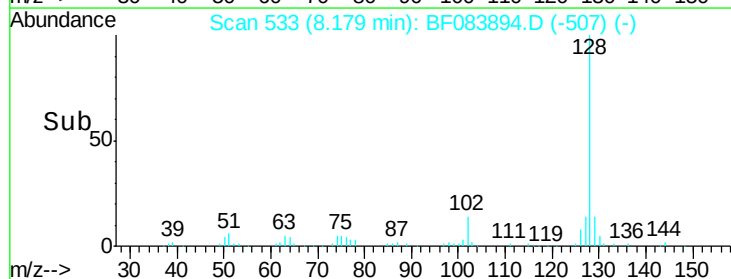
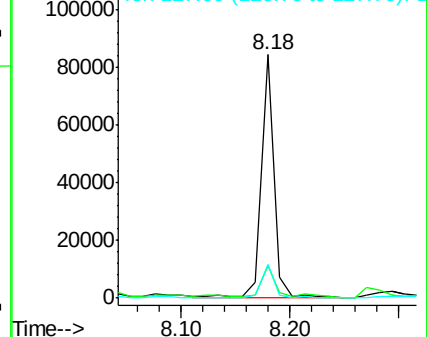
127 13.8 11.1 16.7

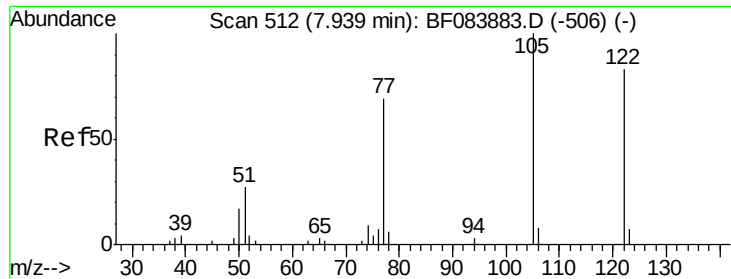


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

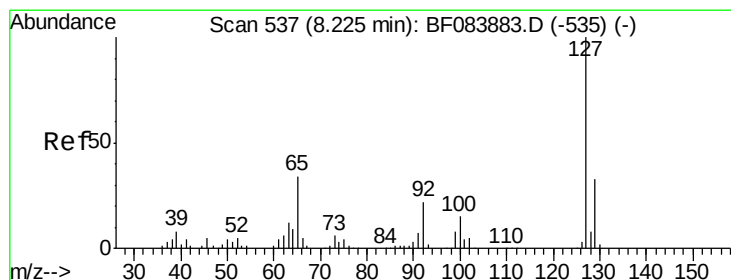
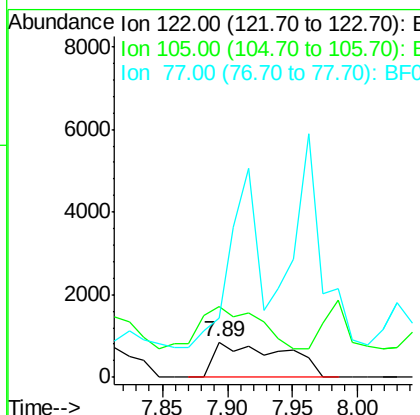
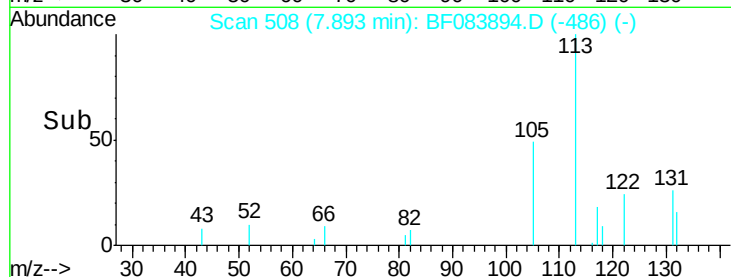
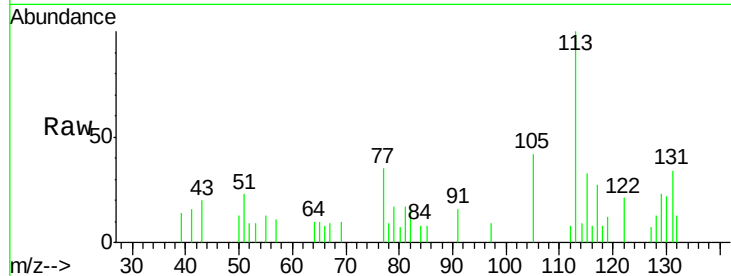




#32
Benzoic acid
Concen: 4.94 ng
RT: 7.89 min Scan# 508
Delta R.T. -0.04 min
Lab File: BF083894.D
Acq: 18 Dec 2015 3:52

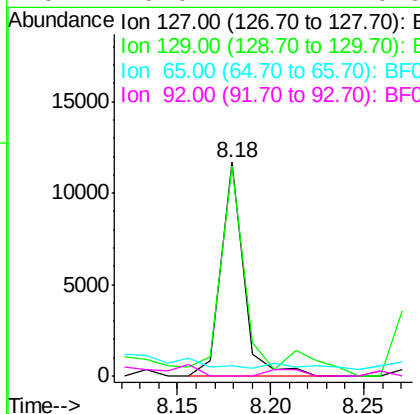
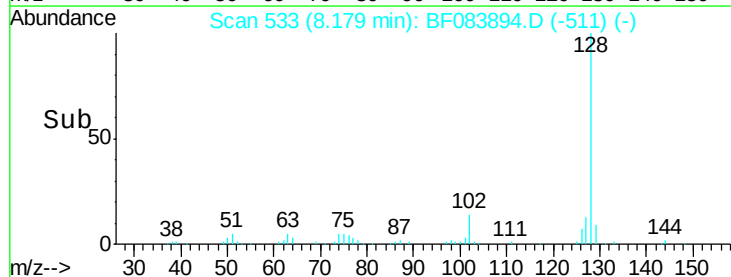
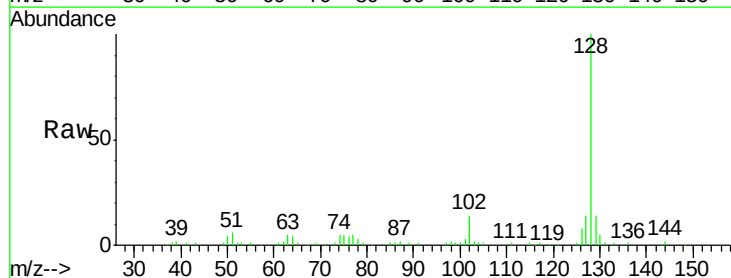
Instrument :
BNA_F
ClientSampleId :
K200-(0-2)

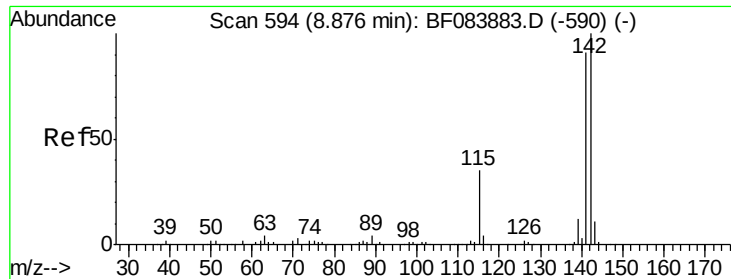
Tgt Ion:122 Resp: 3089
Ion Ratio Lower Upper
122 100
105 202.7 100.3 140.3#
77 168.3 63.5 103.5#



#33
4-Chloroaniline
Concen: 2.12 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.05 min
Lab File: BF083894.D
Acq: 18 Dec 2015 3:52

Tgt Ion:127 Resp: 9918
Ion Ratio Lower Upper
127 100
129 98.0 26.5 39.7#
65 5.1 27.2 40.8#
92 0.0 17.7 26.5#

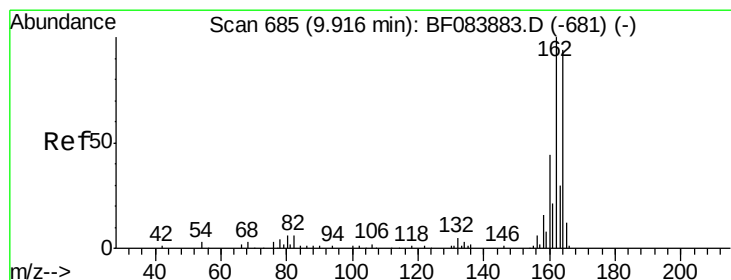
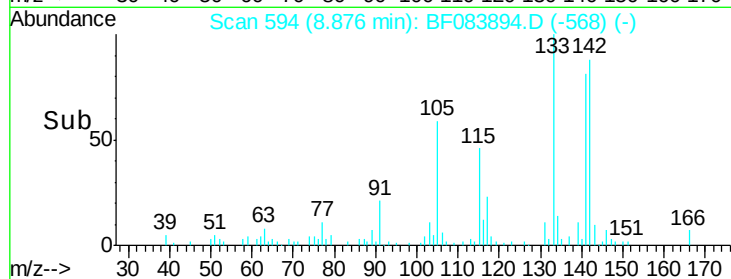
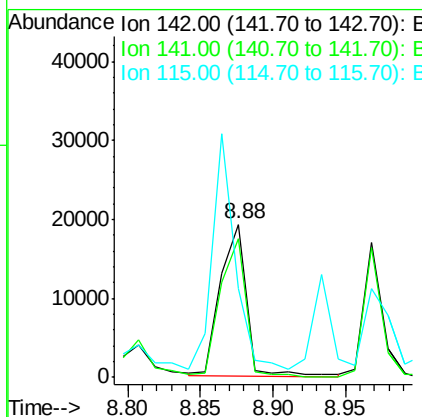
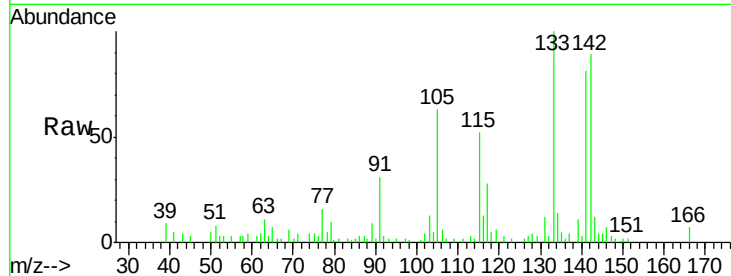




#37
2-Methylnaphthalene
Concen: 3.36 ng
RT: 8.88 min Scan# 594
Delta R.T. 0.00 min
Lab File: BF083894.D
Acq: 18 Dec 2015 3:52

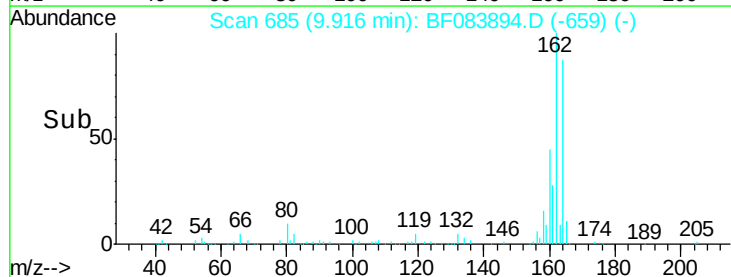
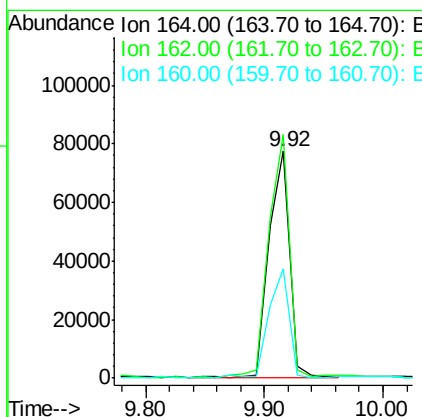
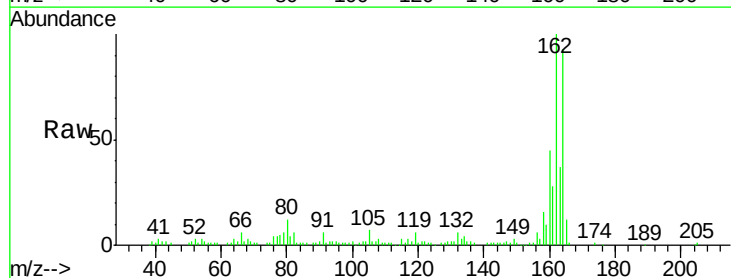
Instrument :
BNA_F
ClientSampleId :
K200-(0-2)

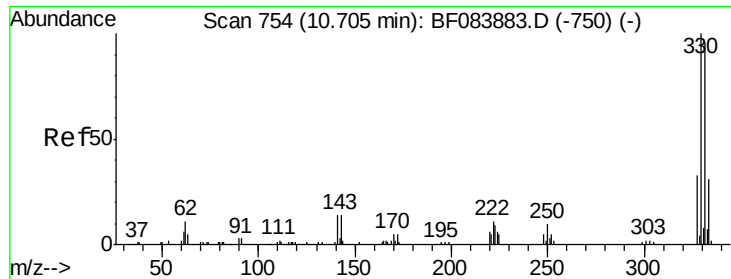
Tgt Ion:142 Resp: 24062
Ion Ratio Lower Upper
142 100
141 90.6 72.4 108.6
115 58.0 27.9 41.9#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 685
Delta R.T. 0.00 min
Lab File: BF083894.D
Acq: 18 Dec 2015 3:52

Tgt Ion:164 Resp: 95023
Ion Ratio Lower Upper
164 100
162 107.5 85.1 127.7
160 48.3 37.5 56.3

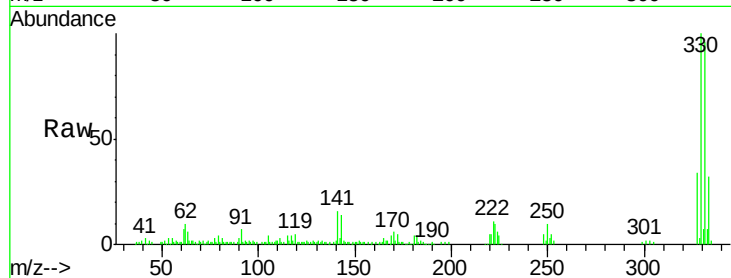




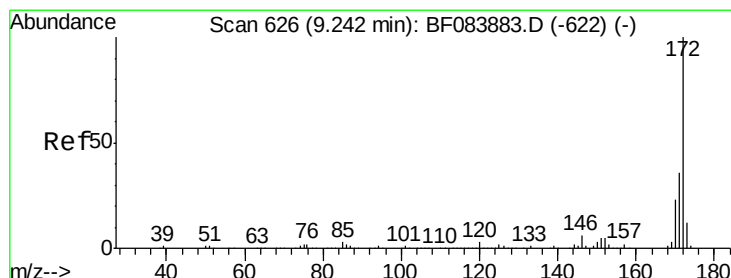
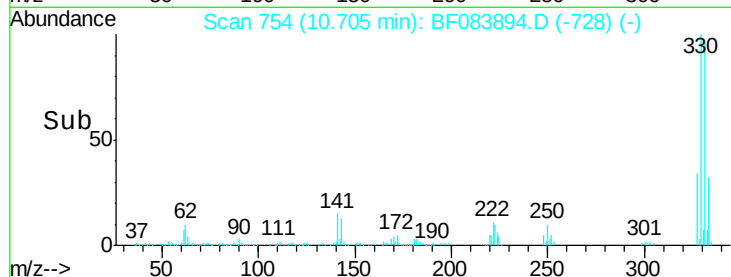
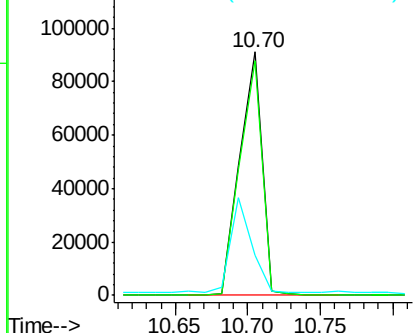
#41
 2,4,6-Tribromophenol
 Concen: 93.74 ng
 RT: 10.70 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: BF083894.D
 Acq: 18 Dec 2015 3:52

Instrument :
 BNA_F
 ClientSampleId :
 K200-(0-2)

Tgt Ion:330 Resp: 98133
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.6 114.8
 141 38.0 27.8 41.6

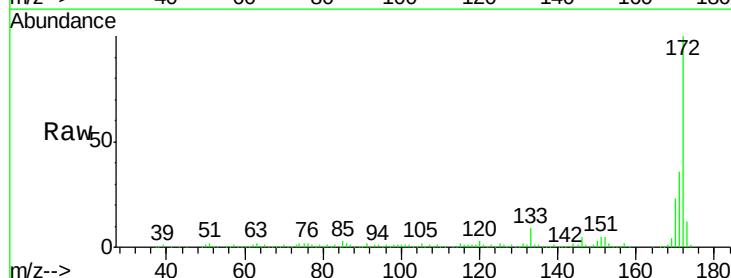


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

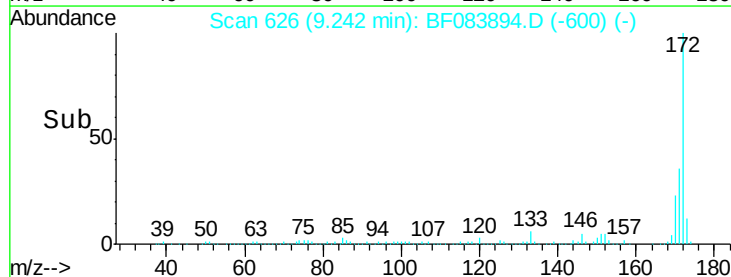
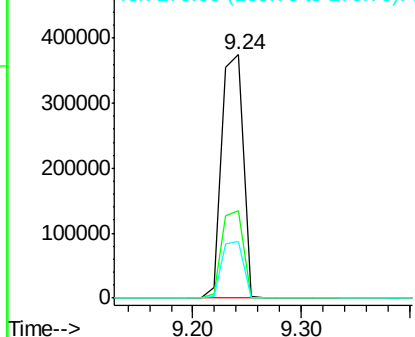


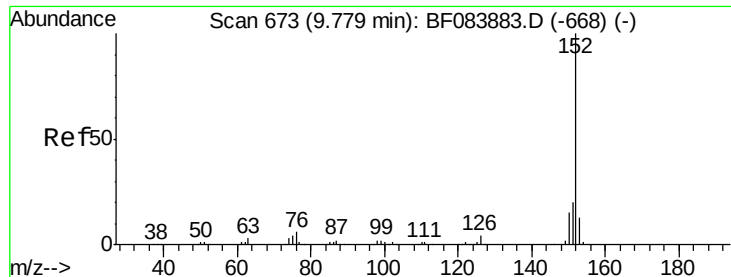
#44
 2-Fluorobiphenyl
 Concen: 74.49 ng
 RT: 9.24 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: BF083894.D
 Acq: 18 Dec 2015 3:52

Tgt Ion:172 Resp: 514031
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.9 43.3
 170 23.0 18.6 27.8



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





#48

Acenaphthylene

Concen: 7.04 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.01 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

Instrument :

BNA_F

ClientSampleId :

K200-(0-2)

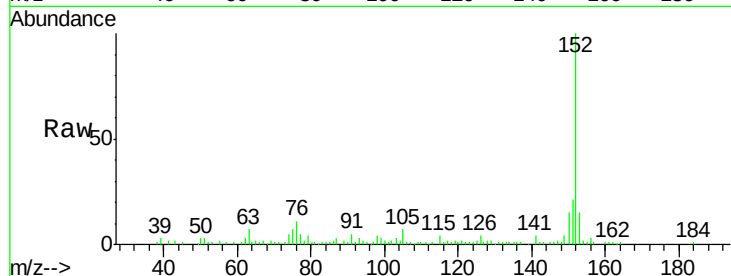
Tgt Ion:152 Resp: 78019

Ion Ratio Lower Upper

152 100

151 21.2 16.3 24.5

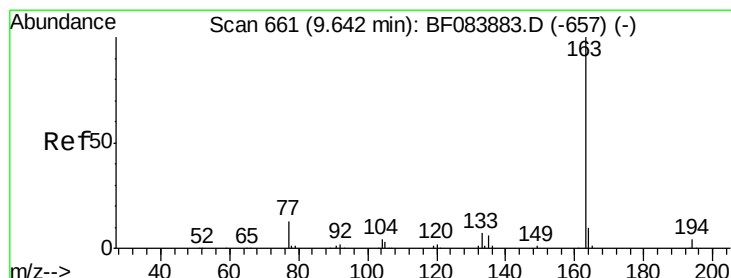
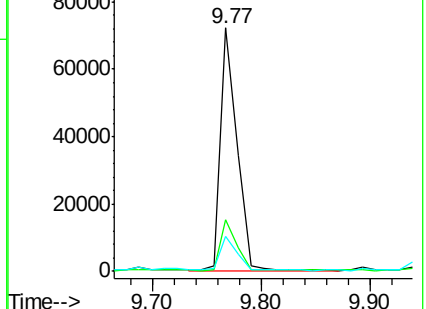
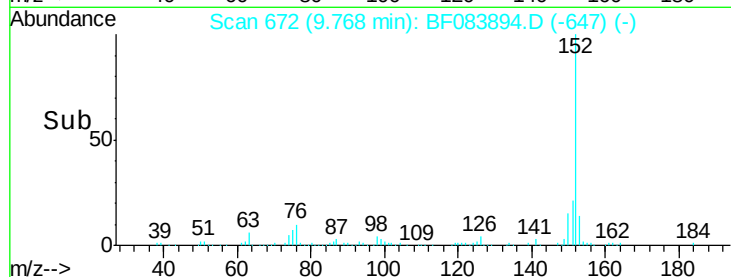
153 14.6 10.4 15.6



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: 14.79 ng

RT: 9.63 min Scan# 660

Delta R.T. -0.01 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

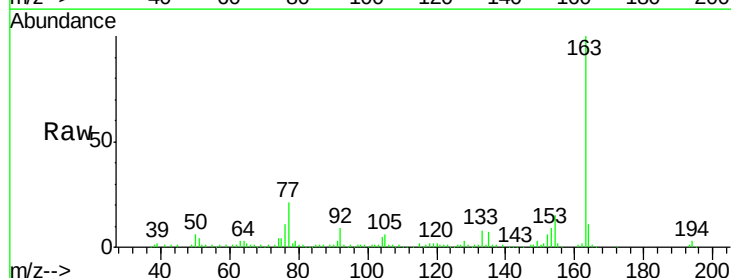
Tgt Ion:163 Resp: 117935

Ion Ratio Lower Upper

163 100

194 3.3 3.0 4.6

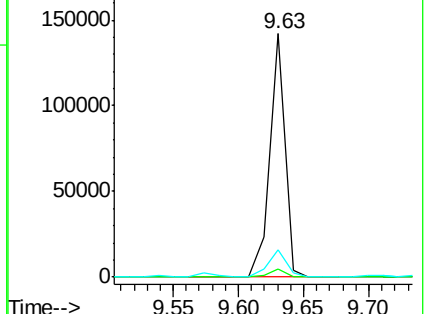
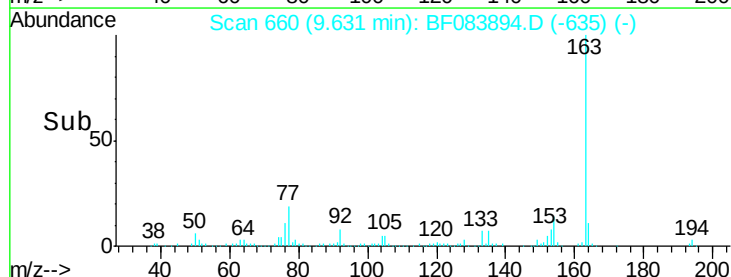
164 11.2 7.9 11.9

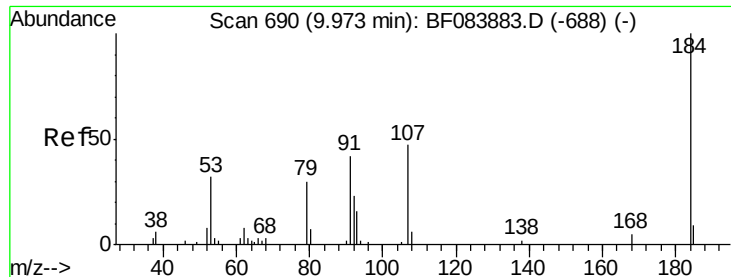


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

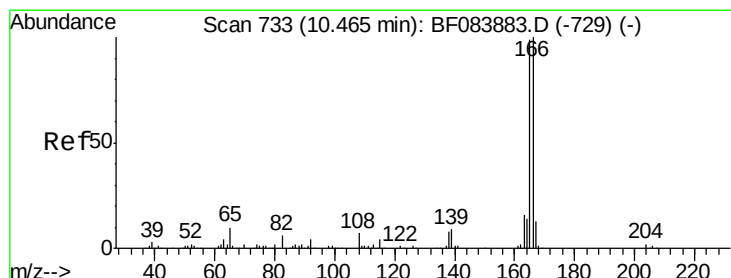
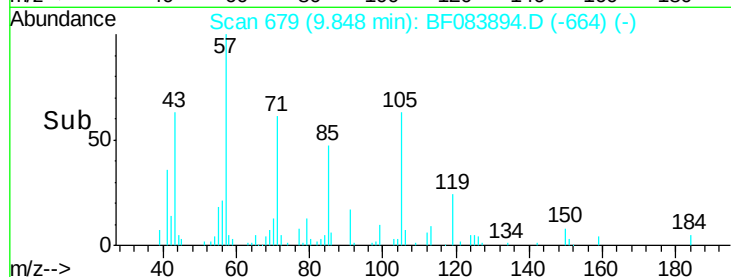
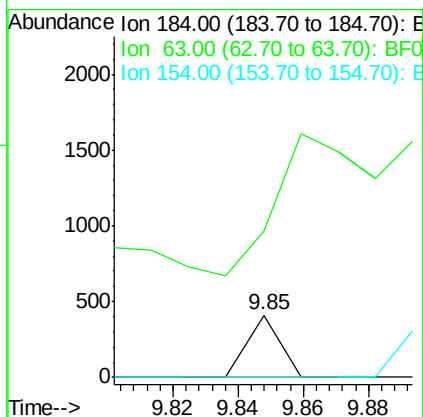
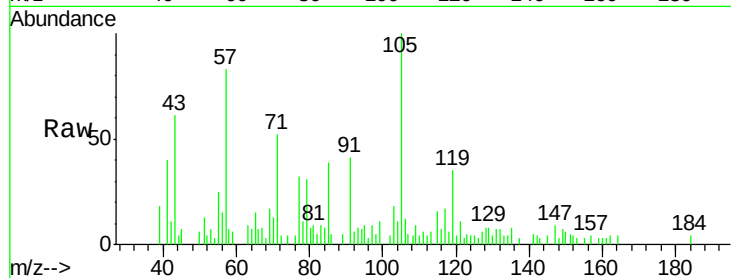




#53
2,4-Dinitrophenol
Concen: 10.69 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.13 min
Lab File: BF083894.D
Acq: 18 Dec 2015 3:52

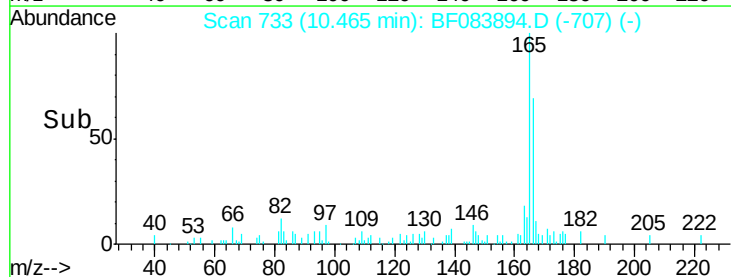
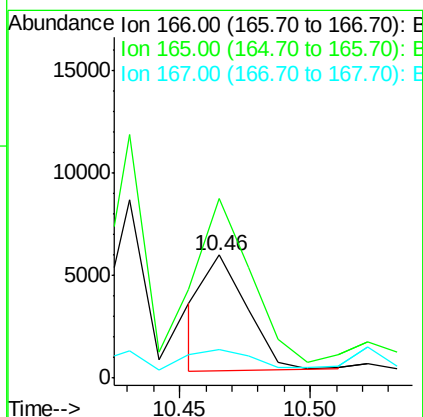
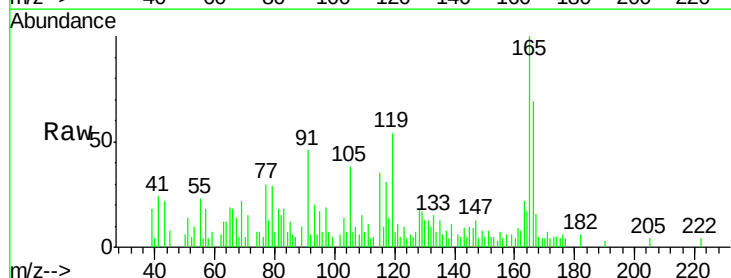
Instrument :
BNA_F
ClientSampleId :
K200-(0-2)

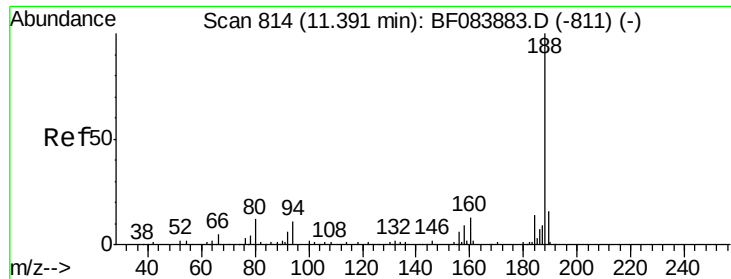
Tgt Ion:184 Resp: 281
Ion Ratio Lower Upper
184 100
63 236.1 43.1 64.7#
154 0.0 60.5 90.7#



#57
Fluorene
Concen: Below Cal
RT: 10.46 min Scan# 733
Delta R.T. 0.00 min
Lab File: BF083894.D
Acq: 18 Dec 2015 3:52

Tgt Ion:166 Resp: 6285
Ion Ratio Lower Upper
166 100
165 145.9 79.1 118.7#
167 23.5 10.4 15.6#

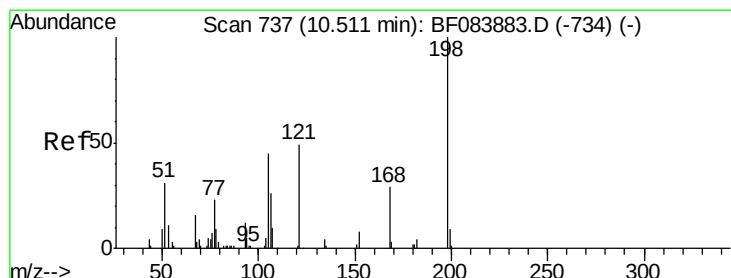
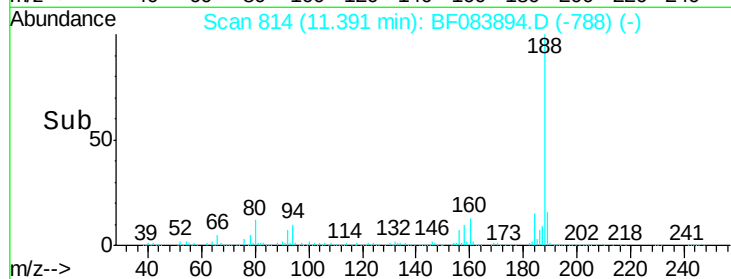
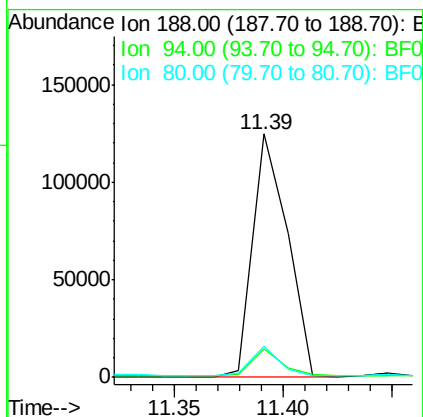
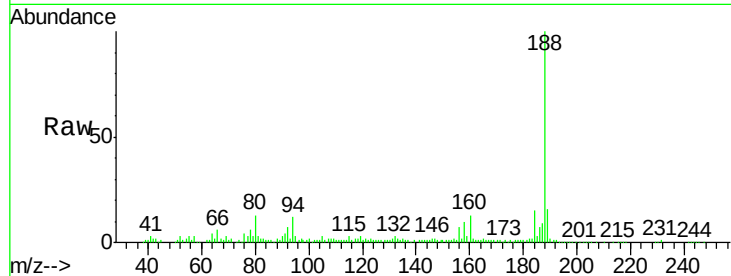




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF083894.D
Acq: 18 Dec 2015 3:52

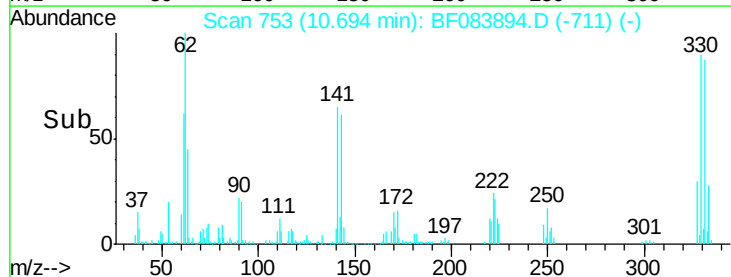
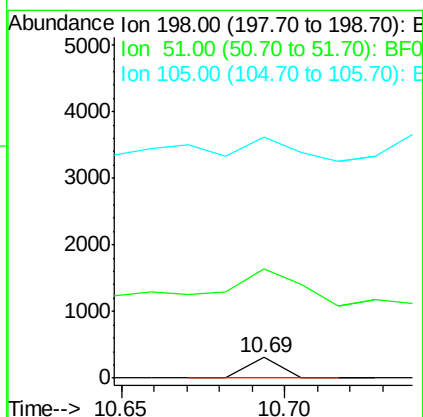
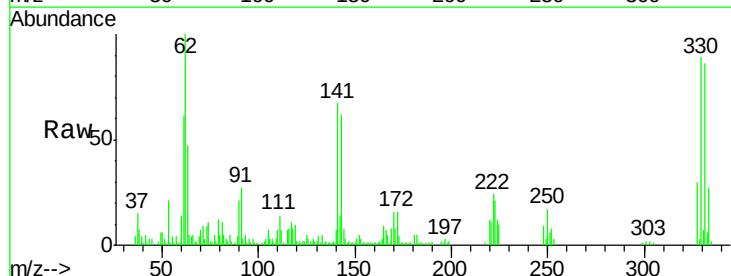
Instrument :
BNA_F
ClientSampleId :
K200-(0-2)

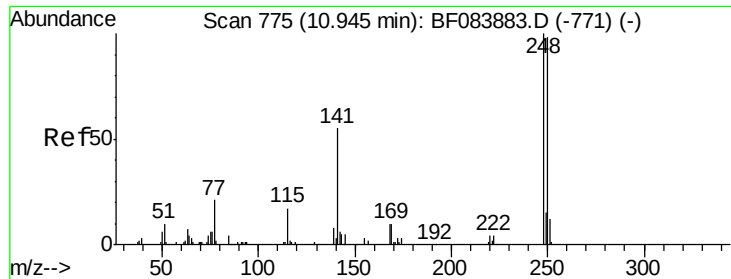
Tgt Ion:188 Resp: 139509
Ion Ratio Lower Upper
188 100
94 11.6 9.0 13.4
80 12.9 9.6 14.4



#64
4,6-Dinitro-2-methylphenol
Concen: 4.16 ng
RT: 10.69 min Scan# 753
Delta R.T. 0.18 min
Lab File: BF083894.D
Acq: 18 Dec 2015 3:52

Tgt Ion:198 Resp: 212
Ion Ratio Lower Upper
198 100
51 531.1 18.9 58.9#
105 1170.9 26.4 66.4#

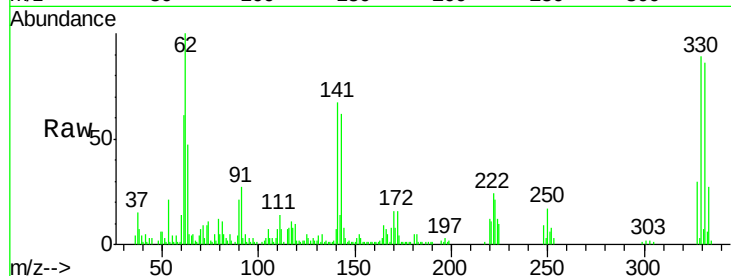




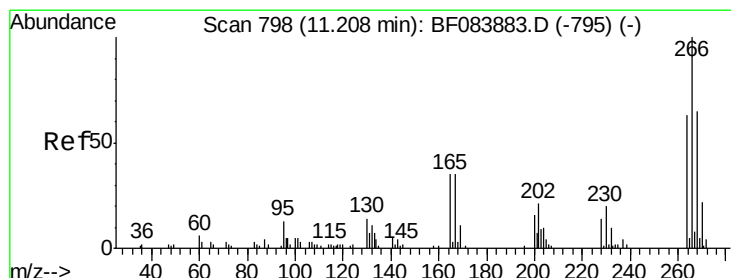
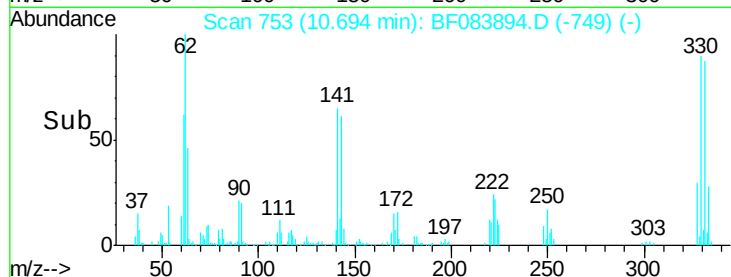
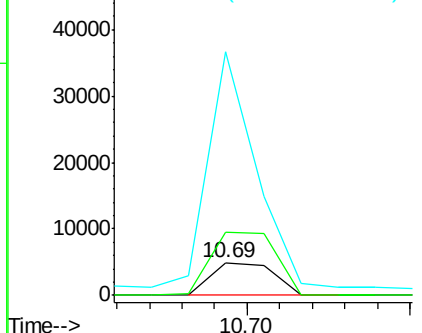
#66
4-Bromophenyl-phenylether
Concen: 3.74 ng
RT: 10.69 min Scan# 753
Delta R.T. -0.25 min
Lab File: BF083894.D
Acq: 18 Dec 2015 3:52

Instrument :
BNA_F
ClientSampleId :
K200-(0-2)

Tgt Ion:248 Resp: 6376
Ion Ratio Lower Upper
248 100
250 192.7 78.4 117.6#
141 749.5 44.0 66.0#

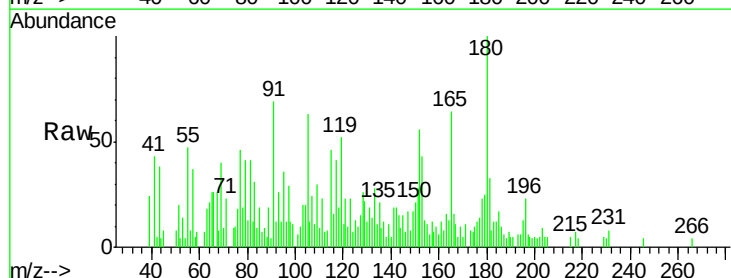


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

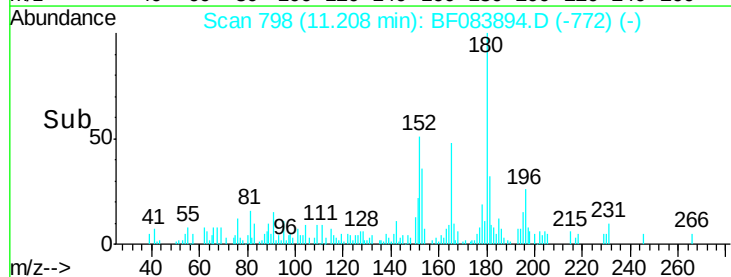
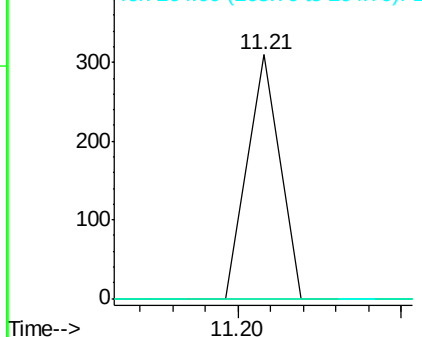


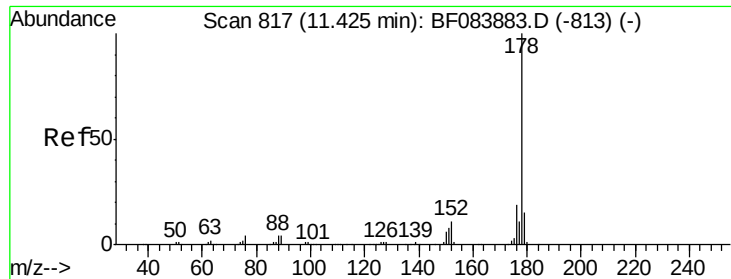
#69
Pentachlorophenol
Concen: 4.98 ng
RT: 11.21 min Scan# 798
Delta R.T. 0.00 min
Lab File: BF083894.D
Acq: 18 Dec 2015 3:52

Tgt Ion:266 Resp: 213
Ion Ratio Lower Upper
266 100
268 0.0 52.4 78.6#
264 0.0 50.2 75.2#



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

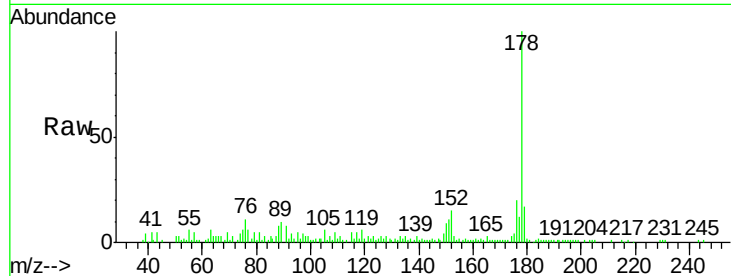




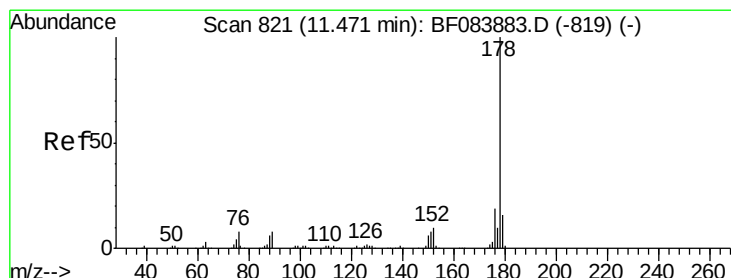
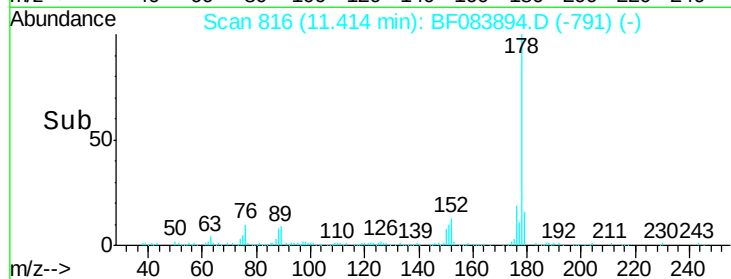
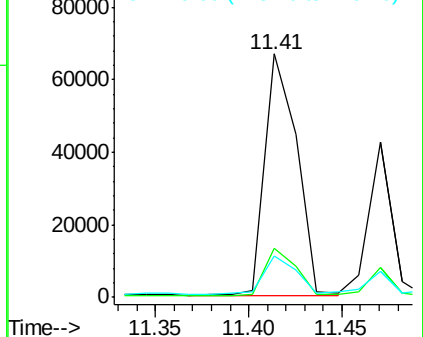
#70
Phenanthrene
Concen: 9.26 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF083894.D
Acq: 18 Dec 2015 3:52

Instrument :
BNA_F
ClientSampleId :
K200-(0-2)

Tgt Ion:178 Resp: 78044
Ion Ratio Lower Upper
178 100
176 20.2 15.3 22.9
179 17.1 12.0 18.0

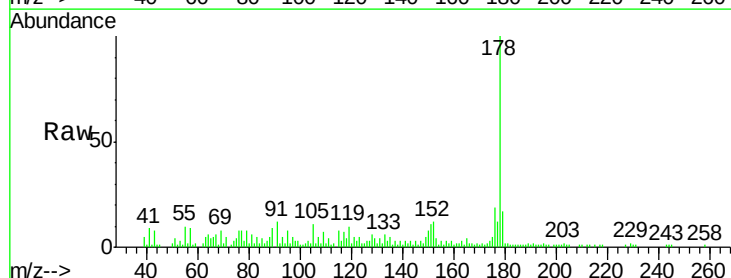


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

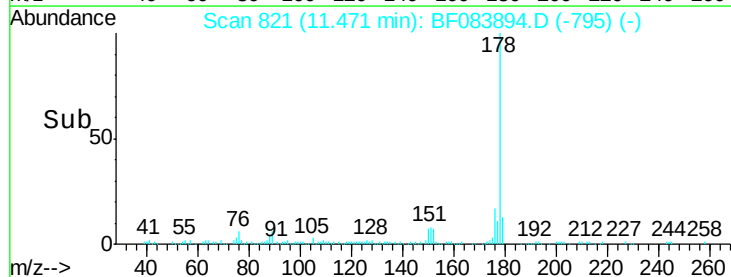
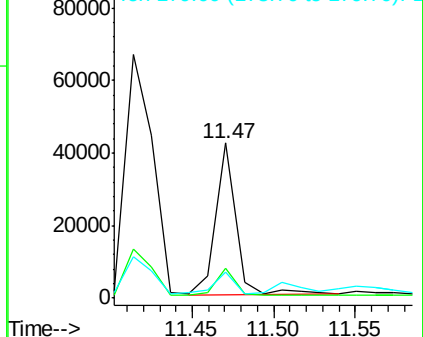


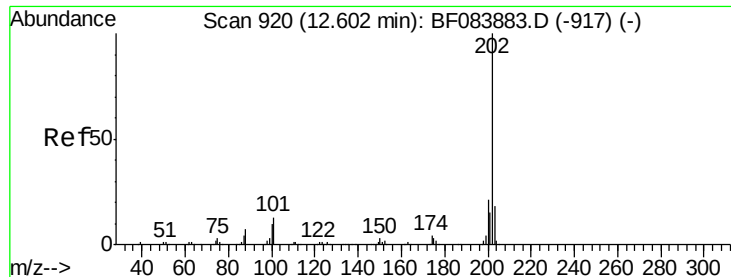
#71
Anthracene
Concen: 4.47 ng
RT: 11.47 min Scan# 821
Delta R.T. 0.00 min
Lab File: BF083894.D
Acq: 18 Dec 2015 3:52

Tgt Ion:178 Resp: 36389
Ion Ratio Lower Upper
178 100
176 19.2 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: 17.55 ng

RT: 12.61 min Scan# 921

Delta R.T. 0.01 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

Instrument :

BNA_F

ClientSampleId :

K200-(0-2)

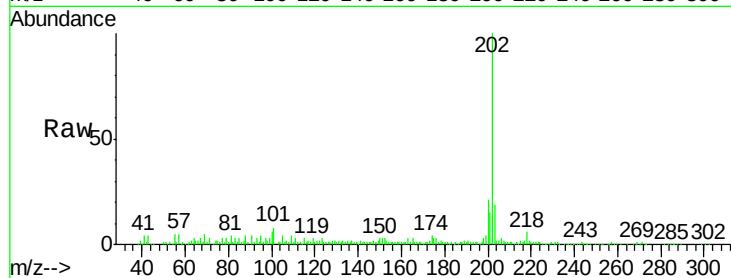
Tgt Ion:202 Resp: 147640

Ion Ratio Lower Upper

202 100

101 7.5 0.0 32.8

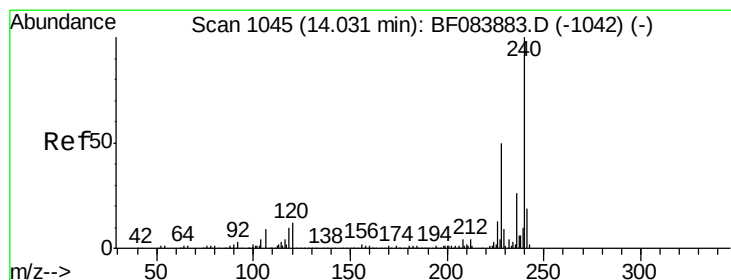
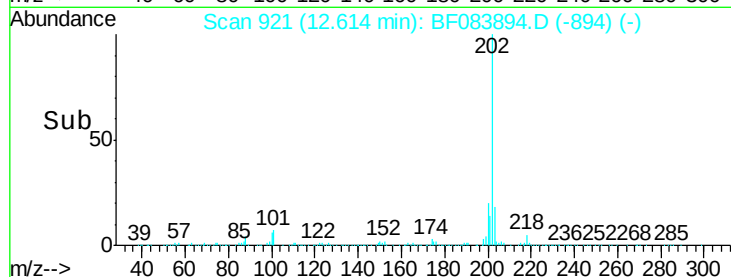
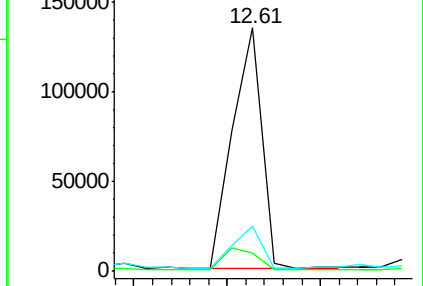
203 18.5 0.0 37.9



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: 14.03 min Scan# 1045

Delta R.T. 0.00 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

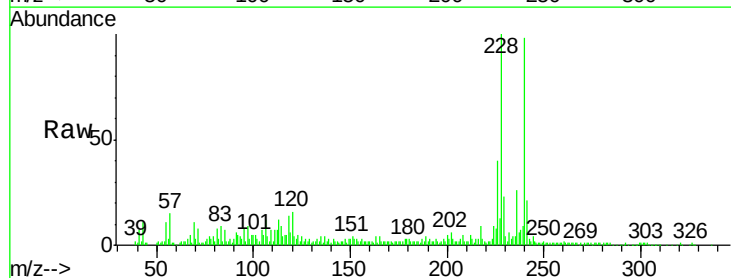
Tgt Ion:240 Resp: 103258

Ion Ratio Lower Upper

240 100

120 16.4 9.5 14.3#

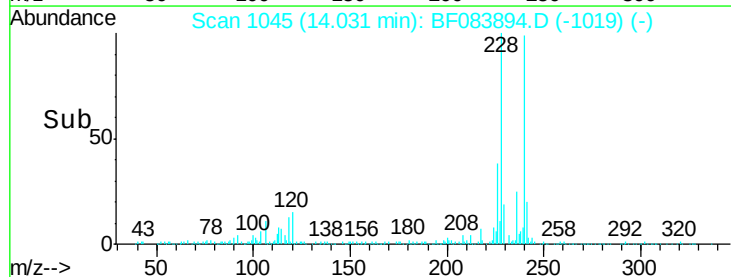
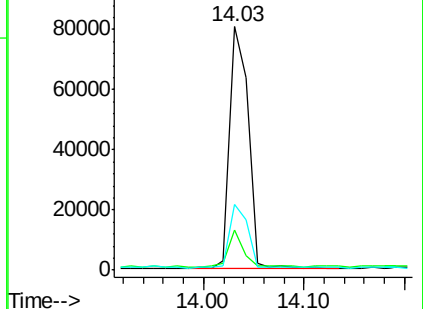
236 26.8 20.6 31.0

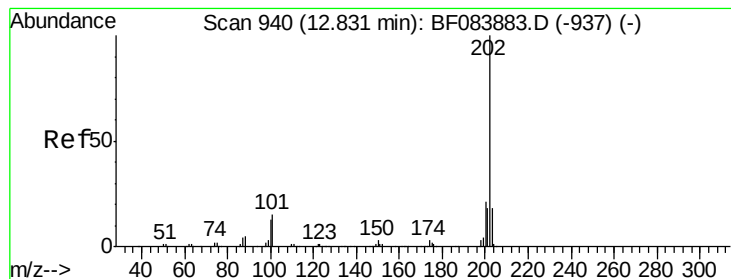


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 32.99 ng

RT: 12.84 min Scan# 941

Delta R.T. 0.01 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

Instrument :

BNA_F

ClientSampleId :

K200-(0-2)

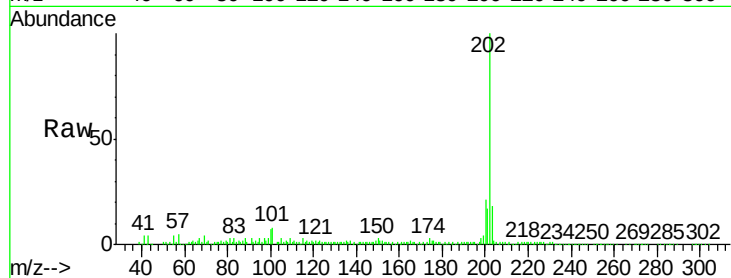
Tgt Ion:202 Resp: 211172

Ion Ratio Lower Upper

202 100

200 20.9 17.2 25.8

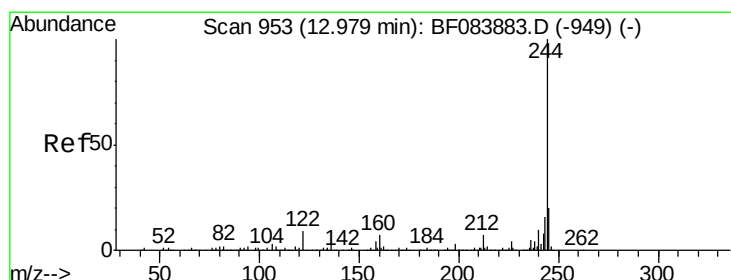
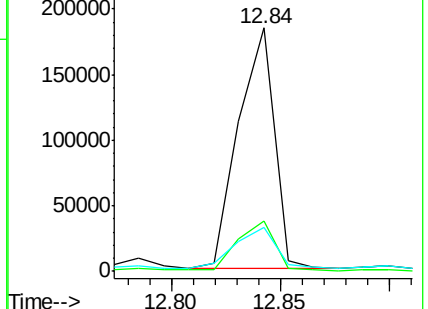
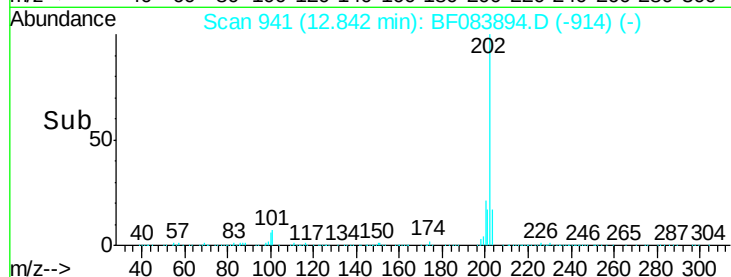
203 18.0 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 73.23 ng

RT: 12.98 min Scan# 953

Delta R.T. 0.00 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

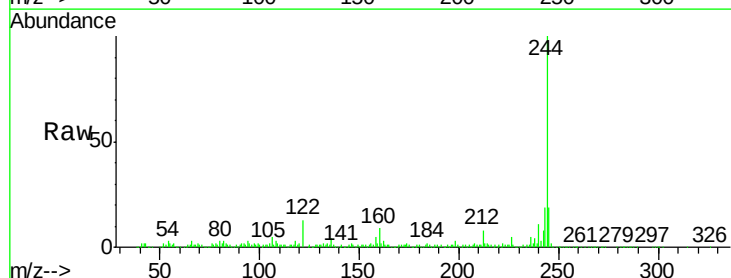
Tgt Ion:244 Resp: 327246

Ion Ratio Lower Upper

244 100

212 7.9 5.7 8.5

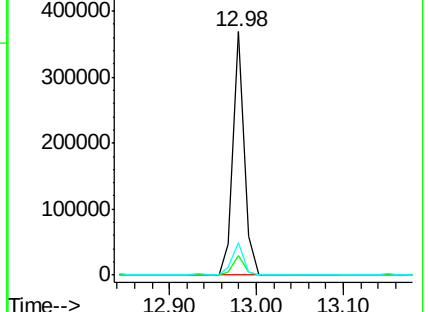
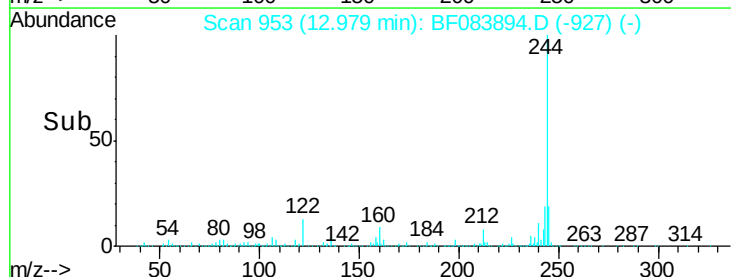
122 13.1 7.4 11.0#

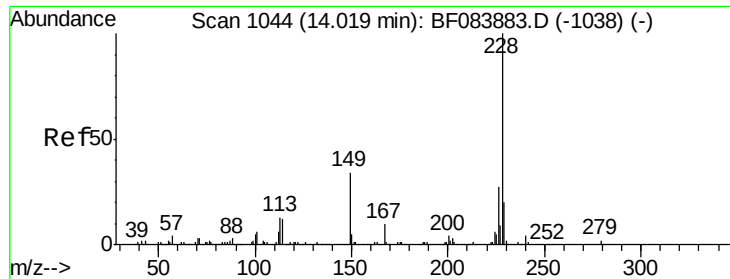


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 19.79 ng

RT: 14.03 min Scan# 1045

Delta R.T. 0.01 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

Instrument :

BNA_F

ClientSampleId :

K200-(0-2)

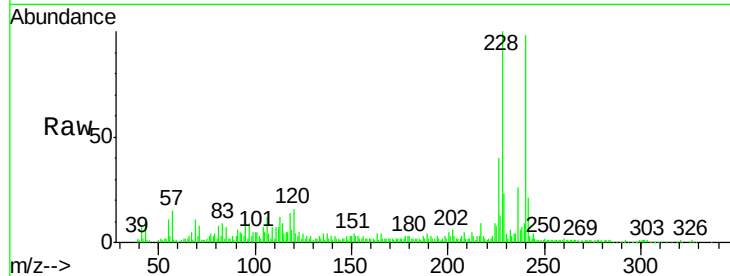
Tgt Ion:228 Resp: 125634

Ion Ratio Lower Upper

228 100

226 40.1 21.8 32.6#

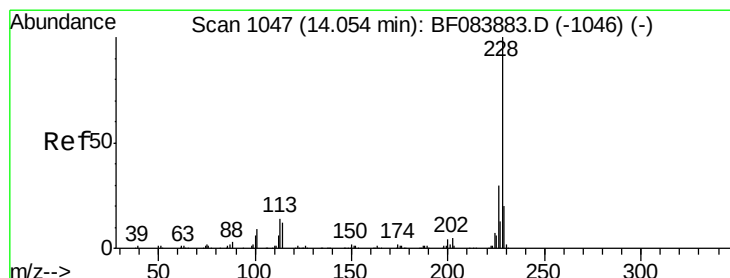
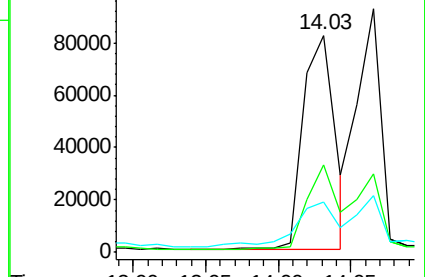
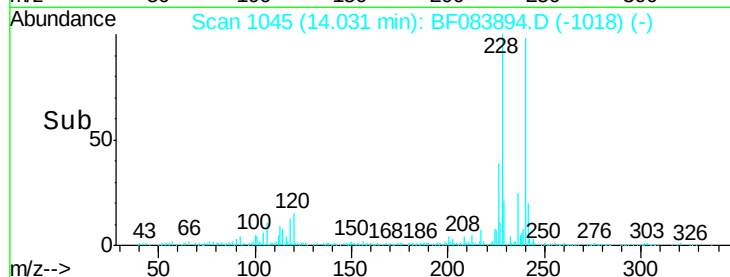
229 23.1 15.8 23.8



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: 20.49 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.02 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

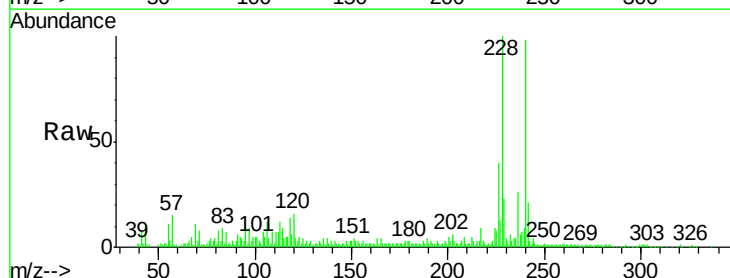
Tgt Ion:228 Resp: 125634

Ion Ratio Lower Upper

228 100

226 40.1 24.3 36.5#

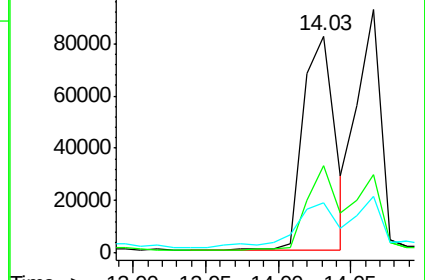
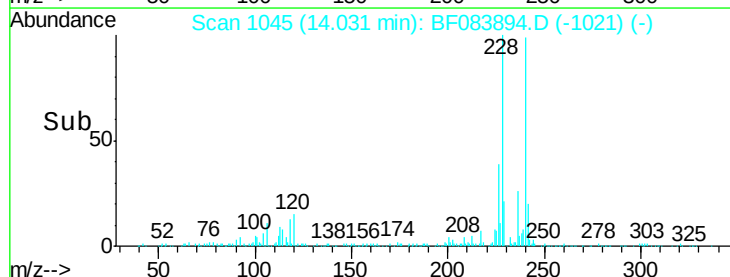
229 23.1 16.1 24.1

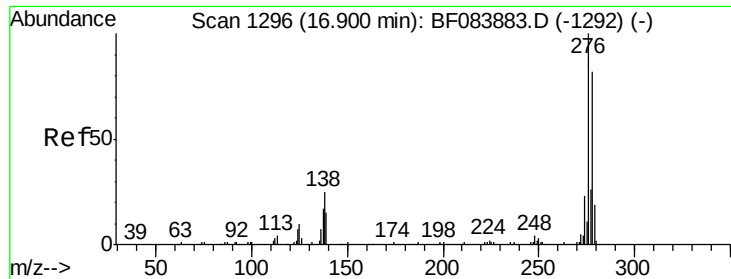


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

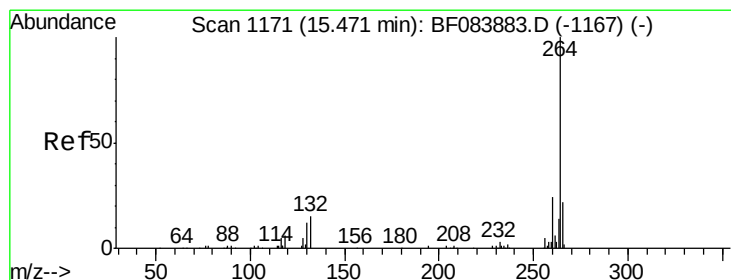
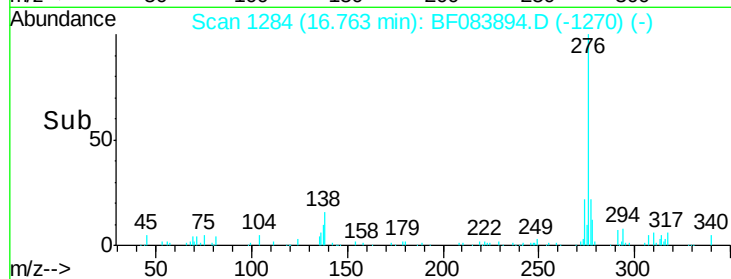
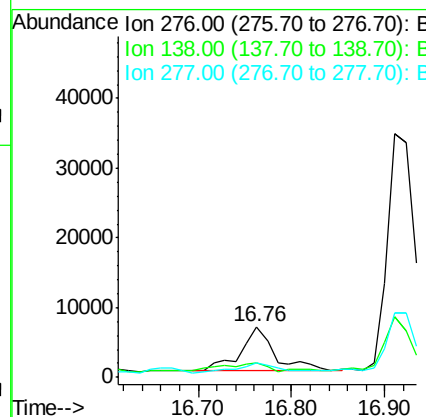
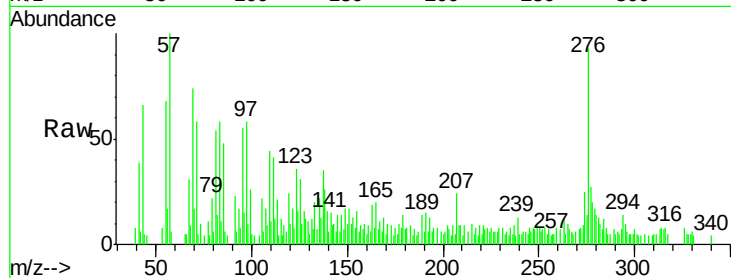




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.59 ng
 RT: 16.76 min Scan# 1284
 Delta R.T. -0.14 min
 Lab File: BF083894.D
 Acq: 18 Dec 2015 3:52

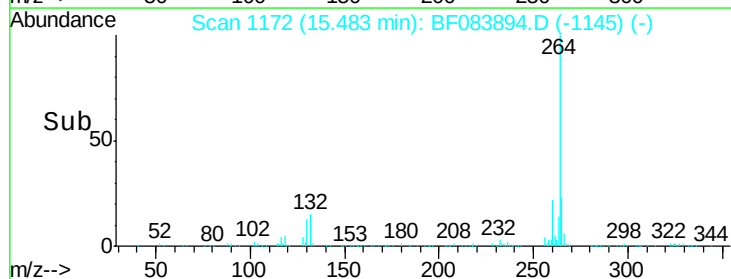
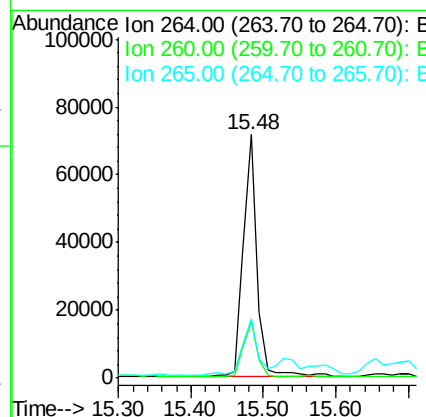
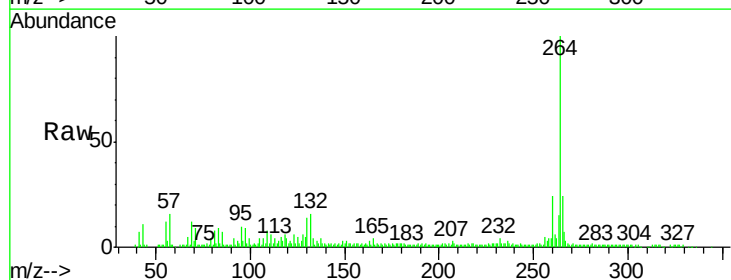
Instrument :
 BNA_F
 ClientSampleId :
 K200-(0-2)

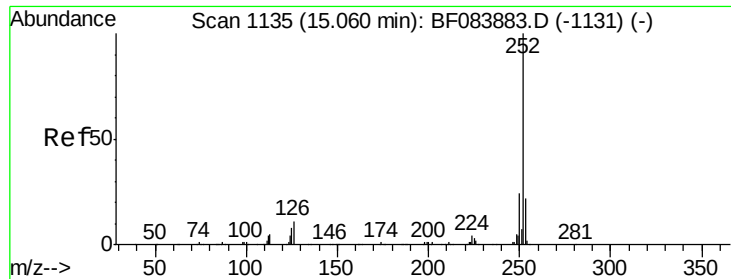
Tgt Ion: 276 Resp: 16466
 Ion Ratio Lower Upper
 276 100
 138 21.0 20.6 30.8
 277 29.3 20.1 30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.48 min Scan# 1172
 Delta R.T. 0.01 min
 Lab File: BF083894.D
 Acq: 18 Dec 2015 3:52

Tgt Ion: 264 Resp: 94895
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.4 29.2
 265 24.2 17.8 26.6





#87

Benzo(b)fluoranthene

Concen: 26.96 ng

RT: 15.07 min Scan# 1136

Delta R.T. 0.01 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

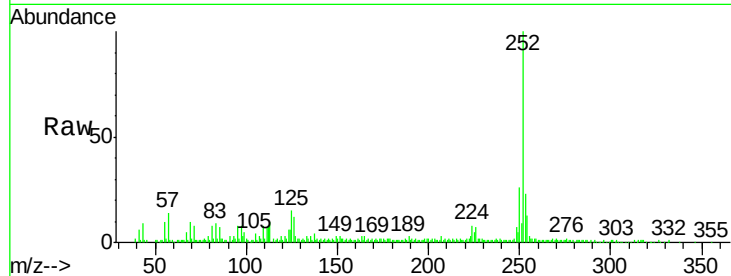
Instrument :

BNA_F

ClientSampleId :

K200-(0-2)

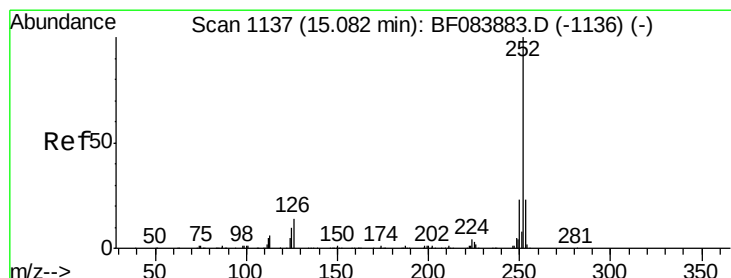
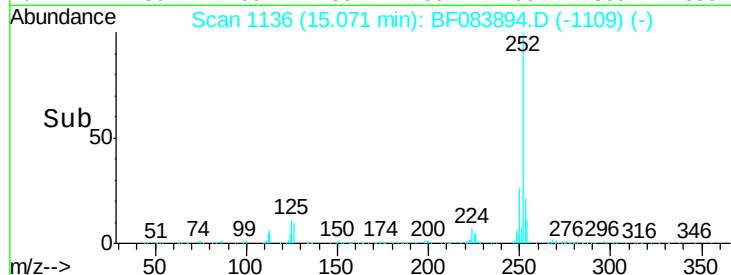
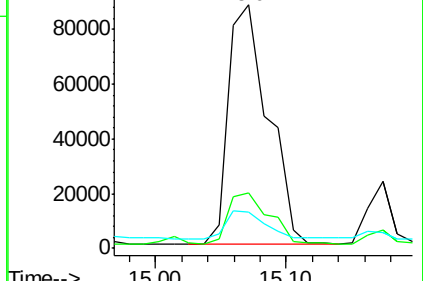
Tgt Ion:	252	Resp:	186531
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.3	25.9
125	14.8	6.5	9.7#



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: 32.68 ng

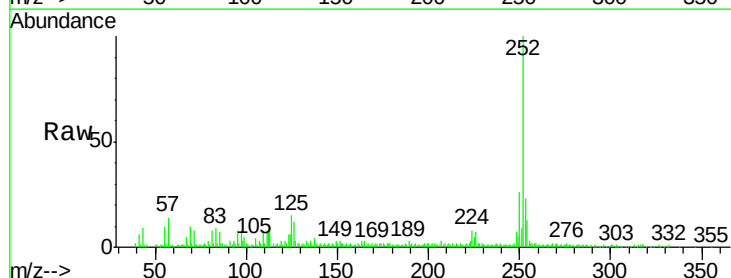
RT: 15.07 min Scan# 1136

Delta R.T. -0.01 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

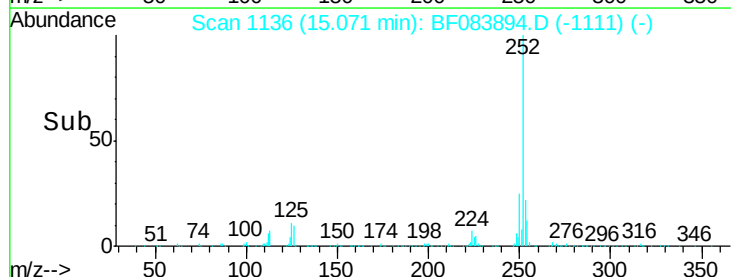
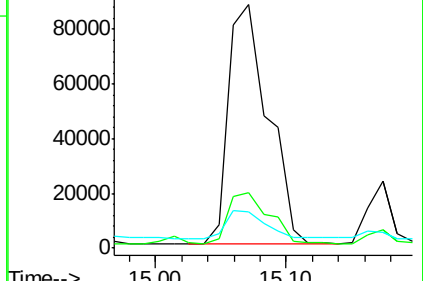
Tgt Ion:	252	Resp:	186531
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.1	27.1
125	14.8	9.0	13.6#

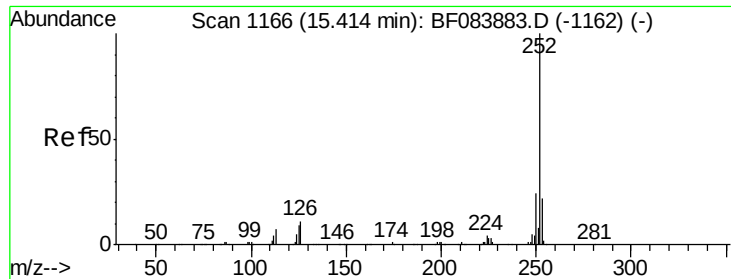


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 16.99 ng

RT: 15.43 min Scan# 1167

Delta R.T. 0.01 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

Instrument :

BNA_F

ClientSampleId :

K200-(0-2)

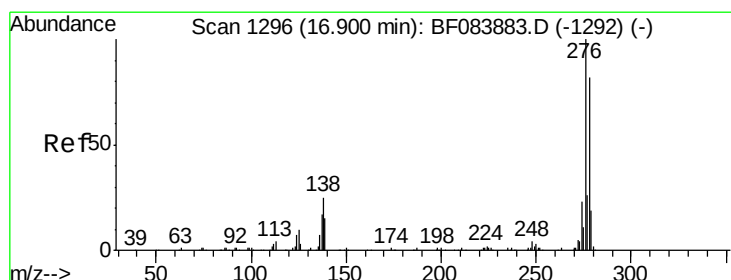
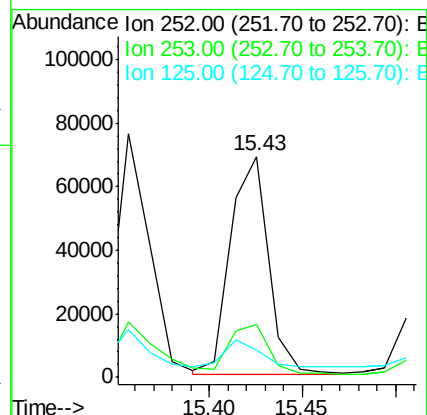
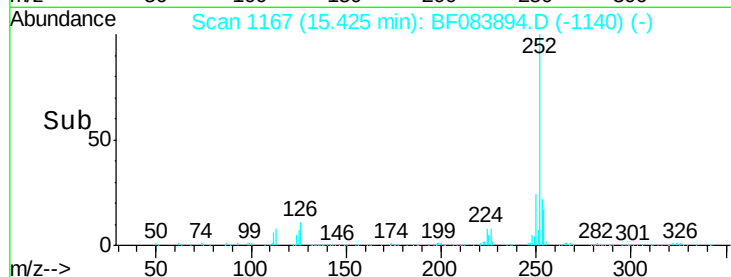
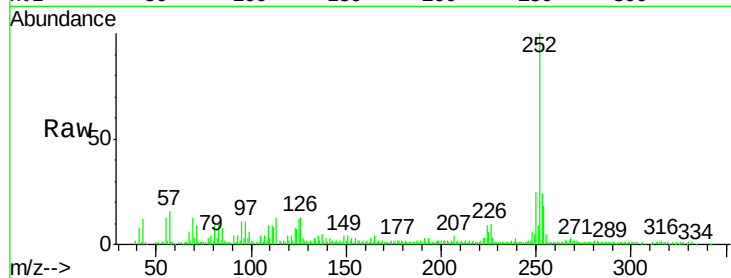
Tgt Ion: 252 Resp: 97075

Ion Ratio Lower Upper

252 100

253 23.9 17.3 25.9

125 12.5 7.0 10.4#



#90

Dibenzo(a,h)anthracene

Concen: 4.52 ng

RT: 16.91 min Scan# 1297

Delta R.T. 0.01 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

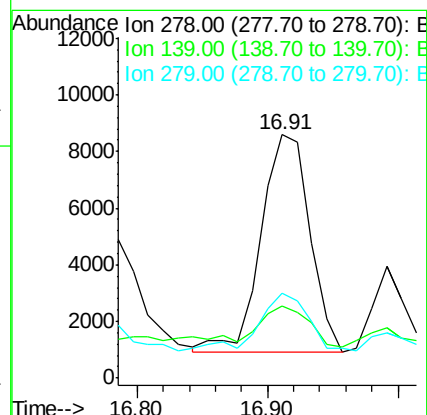
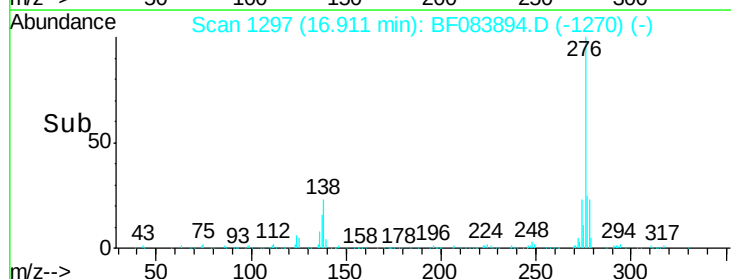
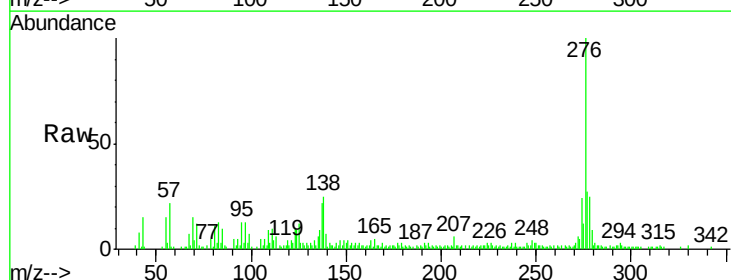
Tgt Ion: 278 Resp: 20068

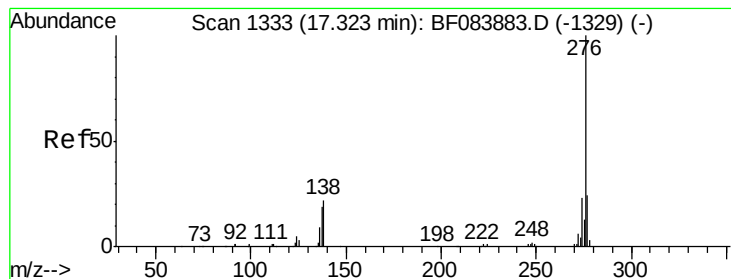
Ion Ratio Lower Upper

278 100

139 29.9 15.0 22.4#

279 34.7 18.9 28.3#





#91

Benzo(g,h,i)perylene

Concen: 18.48 ng

RT: 17.35 min Scan# 1335

Delta R.T. 0.02 min

Lab File: BF083894.D

Acq: 18 Dec 2015 3:52

Instrument :

BNA_F

ClientSampleId :

K200-(0-2)

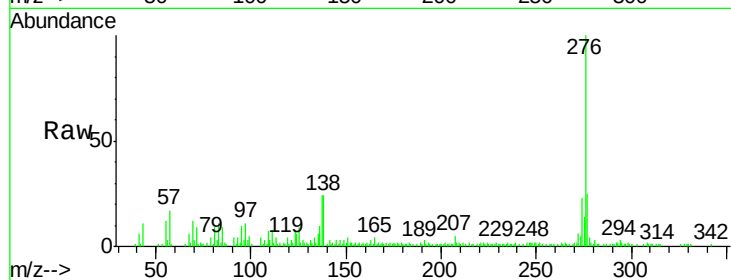
Tgt Ion: 276 Resp: 80506

Ion Ratio Lower Upper

276 100

277 25.4 18.8 28.2

138 23.7 17.8 26.6



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

