

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
 Data File : BF083896.D
 Acq On : 18 Dec 2015 4:48
 Operator : UM/SJ
 Sample : G4680-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K202-(0-2)

Quant Time: Dec 18 05:50:42 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	60044	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	218085	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	97579	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	154784	20.00	ng	0.00
75) Chrysene-d12	14.03	240	117794	20.00	ng	0.00
86) Perylene-d12	15.47	264	93840	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	481533	125.50	ng	0.01
7) Phenol-d6	6.52	99	570333	121.44	ng	0.01
23) Nitrobenzene-d5	7.44	82	378634	99.09	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	154937	144.13	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	715594	107.38	ng	0.00
78) Terphenyl-d14	12.98	244	447555	89.14	ng	0.00

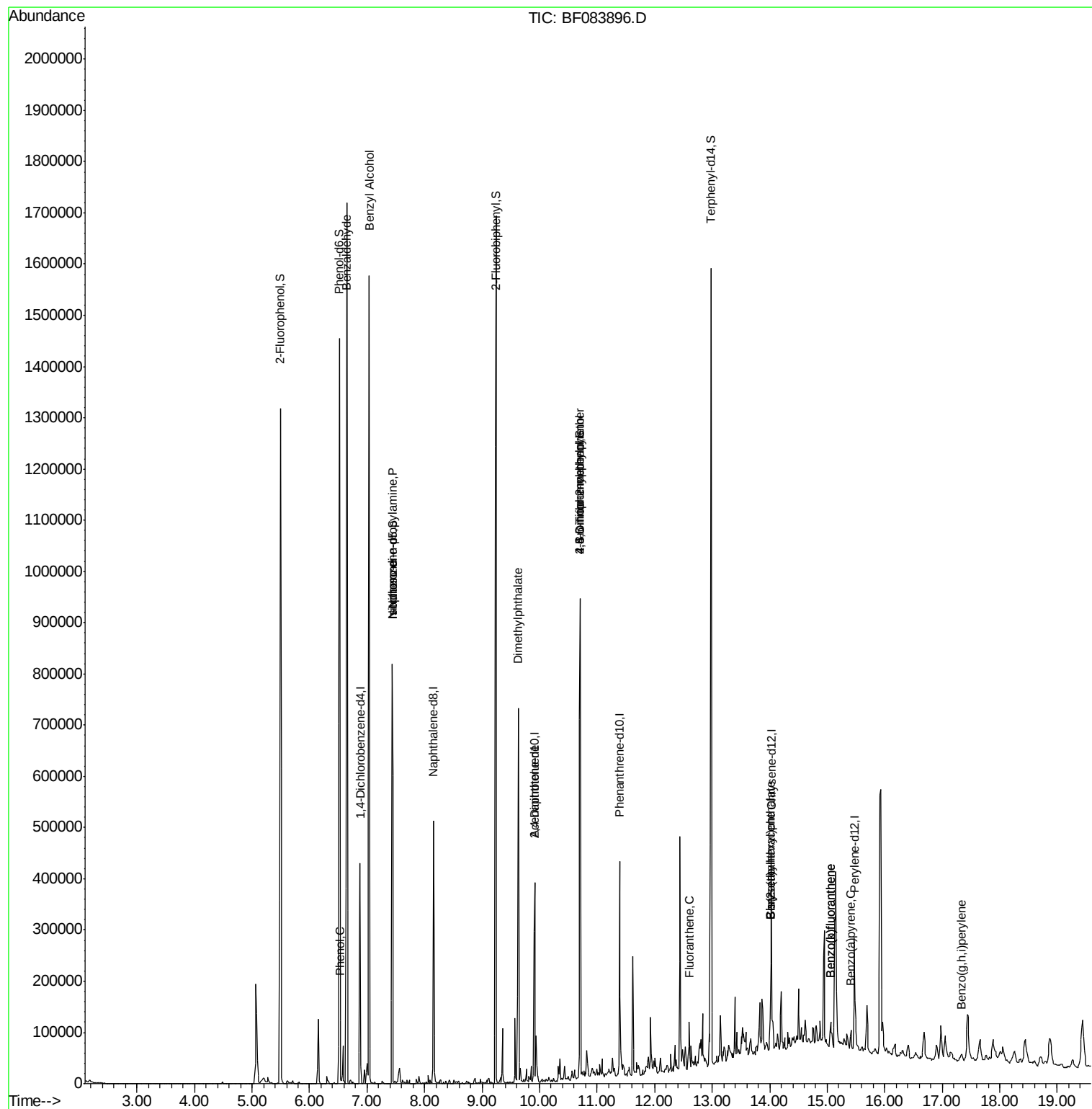
Target Compounds						Qvalue
9) Benzaldehyde	6.65	77	11764	4.16	ng	87
10) Phenol	6.53	94	11615	2.22	ng	90
15) Benzyl Alcohol	7.04	79	11033	3.10	ng	# 49
19) n-Nitroso-di-n-propylamine	7.44	70	50468	18.43	ng	# 77
25) Isophorone	7.44	82	339703	47.25	ng	# 66
31) Naphthalene	8.18	128	7496	Below	Cal	98
36) 4-Chloro-3-methylphenol	8.73	107	767	Below	Cal	# 20
45) 1,1'-Biphenyl	9.33	154	644	Below	Cal	89
46) 2-Chloronaphthalene	9.36	162	420	Below	Cal	# 33
49) Dimethylphthalate	9.63	163	273009	33.34	ng	99
56) 2,4-Dinitrotoluene	9.92	165	13022	5.69	ng	# 20
57) Fluorene	10.45	166	1236	Below	Cal	# 87
64) 4,6-Dinitro-2-methylphenol	10.70	198	219	4.14	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	10497	5.55	ng	# 1
74) Fluoranthene	12.60	202	34358	3.68	ng	98
80) Benzo(a)anthracene	14.02	228	22041	3.04	ng	96
82) Chrysene	14.02	228	22041	3.15	ng	98
83) Bis(2-ethylhexyl)phthalate	14.02	149	12201	2.33	ng	# 91
87) Benzo(b)fluoranthene	15.06	252	33172	4.85	ng	# 91
88) Benzo(k)fluoranthene	15.06	252	33172	5.88	ng	# 94
89) Benzo(a)pyrene	15.41	252	15012	2.66	ng	# 92
91) Benzo(g,h,i)perylene	17.33	276	10707	2.49	ng	95

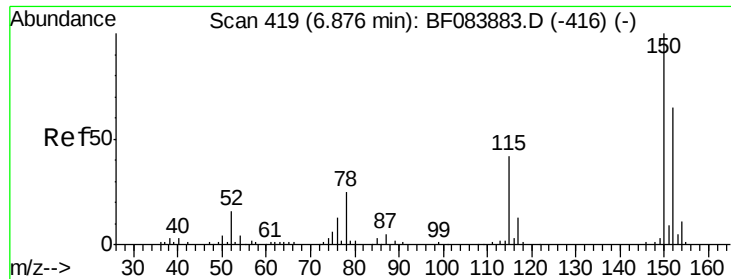
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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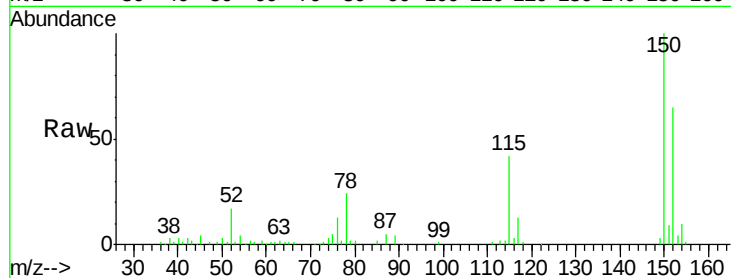




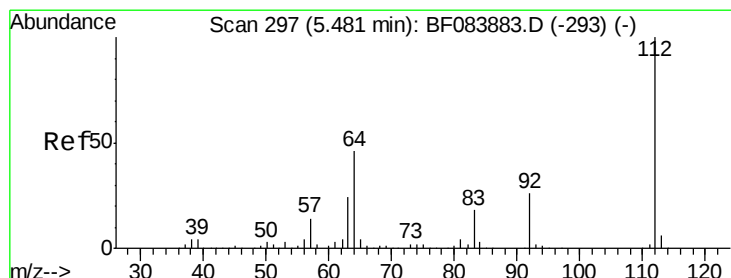
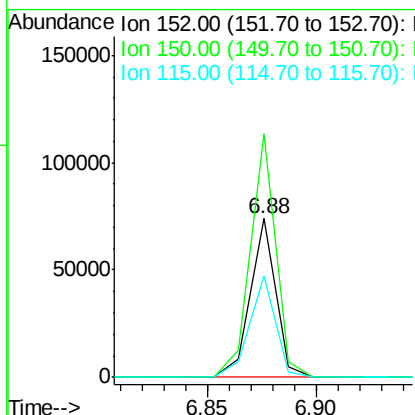
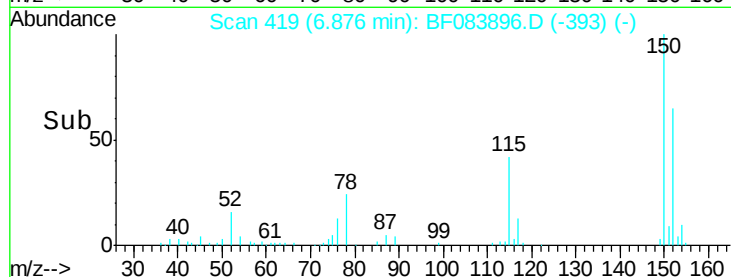
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.88 min Scan# 419
 Delta R.T. -0.00 min
 Lab File: BF083896.D
 Acq: 18 Dec 2015 4:48

Instrument :
 BNA_F
 ClientSampleId :
 K202-(0-2)

Tgt Ion:152 Resp: 60044
 Ion Ratio Lower Upper
 152 100
 150 153.3 123.0 184.4
 115 63.7 51.4 77.2

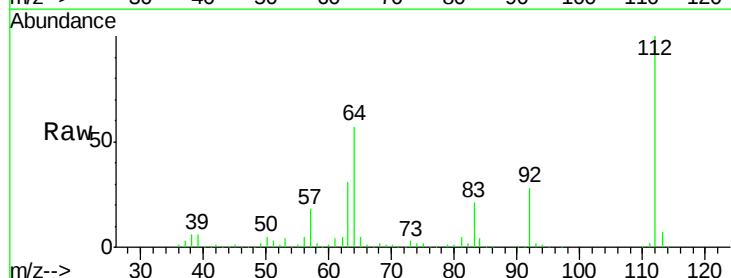


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

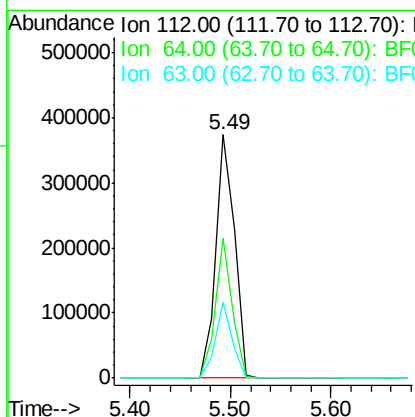
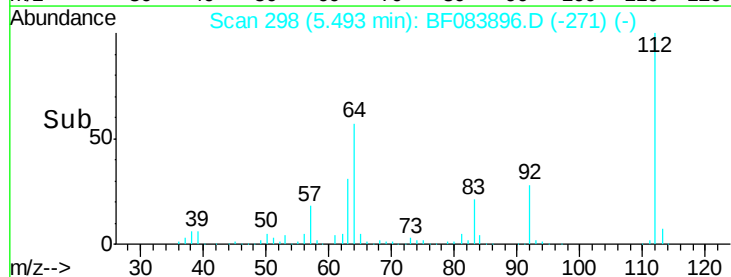


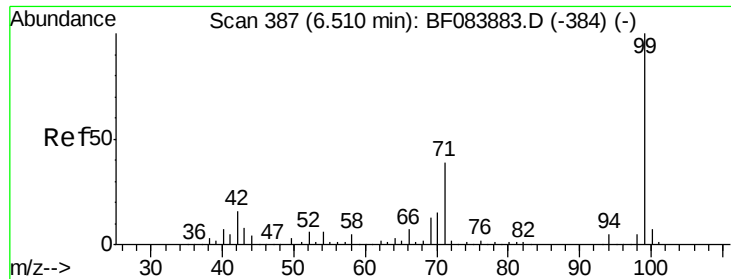
#5
 2-Fluorophenol
 Concen: 125.50 ng
 RT: 5.49 min Scan# 298
 Delta R.T. 0.01 min
 Lab File: BF083896.D
 Acq: 18 Dec 2015 4:48

Tgt Ion:112 Resp: 481533
 Ion Ratio Lower Upper
 112 100
 64 57.3 36.6 55.0#
 63 31.2 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: 121.44 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.01 min

Lab File: BF083896.D

Acq: 18 Dec 2015 4:48

Instrument :

BNA_F

ClientSampleId :

K202-(0-2)

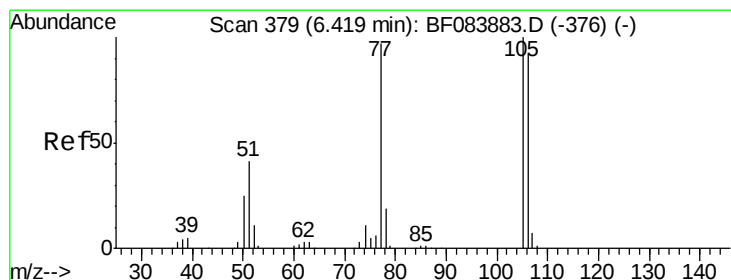
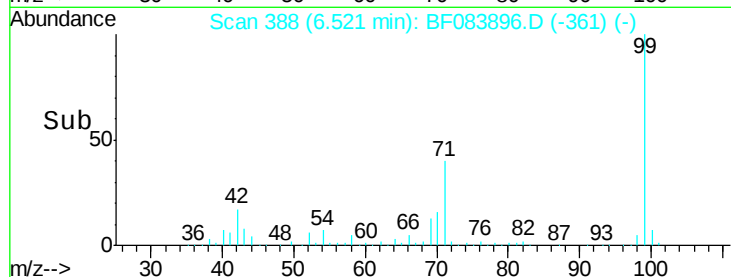
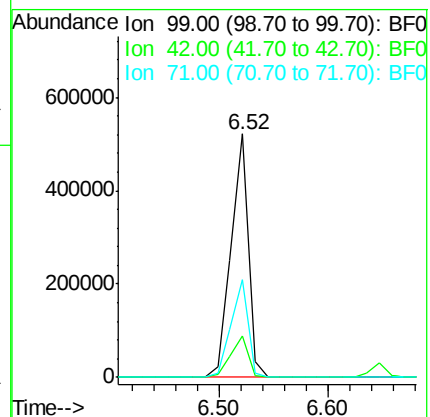
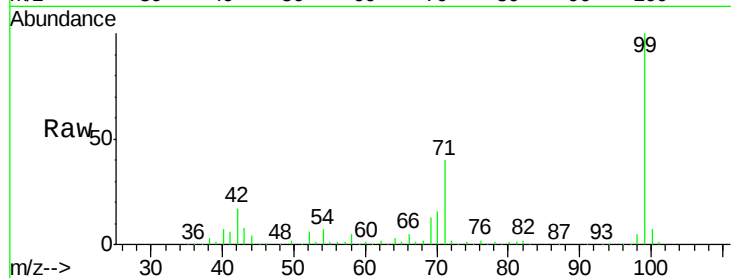
Tgt Ion: 99 Resp: 570333

Ion Ratio Lower Upper

99 100

42 16.7 12.8 19.2

71 40.0 30.9 46.3



#9

Benzaldehyde

Concen: 4.16 ng

RT: 6.65 min Scan# 399

Delta R.T. 0.23 min

Lab File: BF083896.D

Acq: 18 Dec 2015 4:48

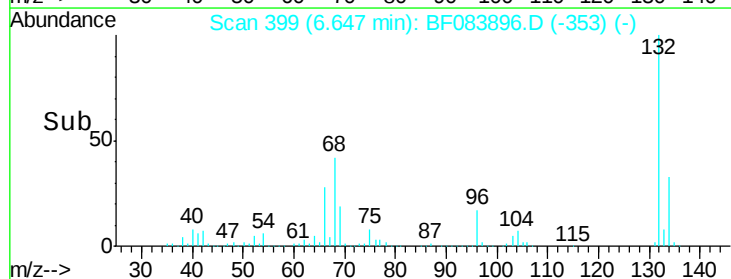
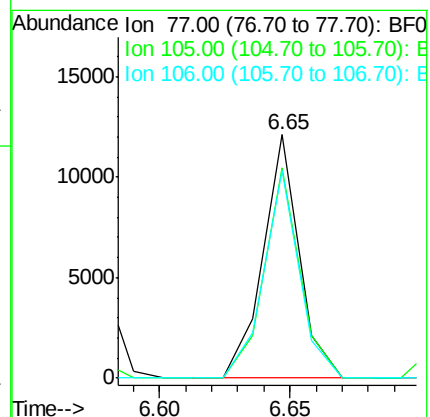
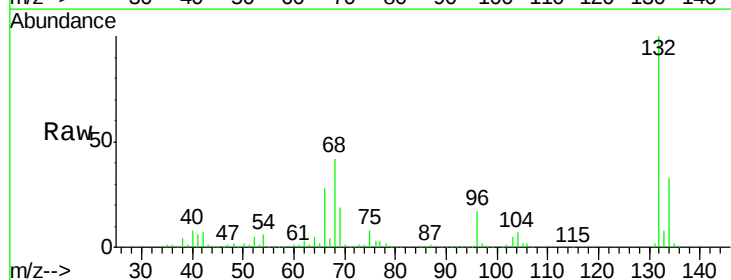
Tgt Ion: 77 Resp: 11764

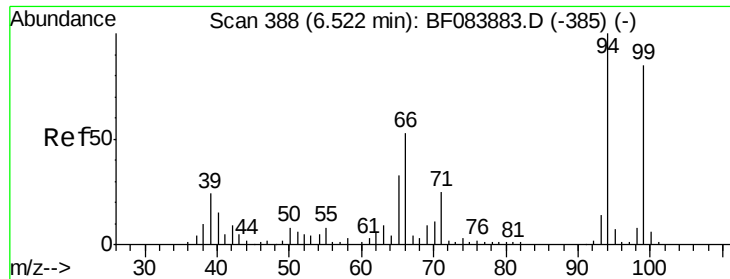
Ion Ratio Lower Upper

77 100

105 86.2 83.0 123.0

106 85.5 74.6 114.6





#10

Phenol

Concen: 2.22 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.01 min

Lab File: BF083896.D

Acq: 18 Dec 2015 4:48

Instrument :

BNA_F

ClientSampleId :

K202-(0-2)

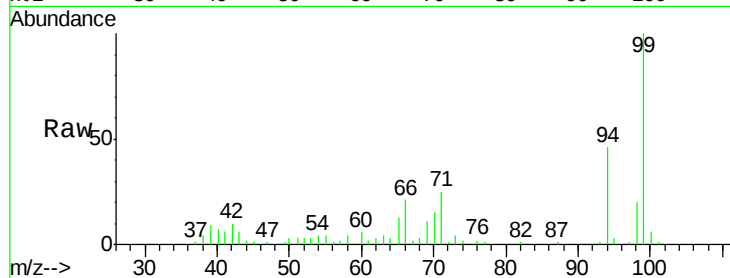
Tgt Ion: 94 Resp: 11615

Ion Ratio Lower Upper

94 100

65 27.3 12.9 52.9

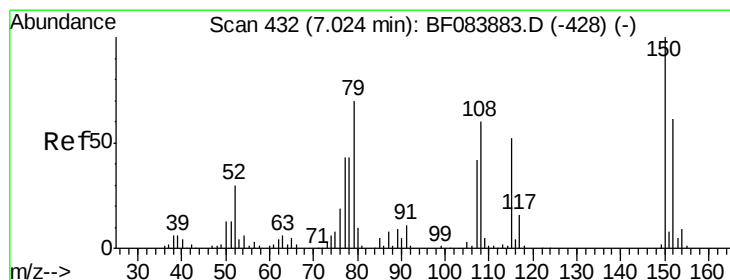
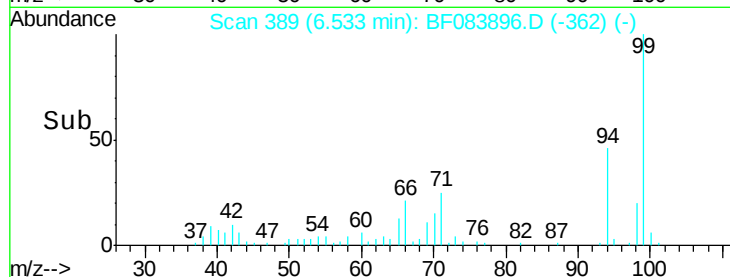
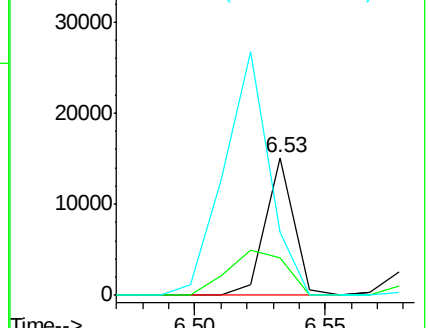
66 45.4 32.7 72.7



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



#15

Benzyl Alcohol

Concen: 3.10 ng

RT: 7.04 min Scan# 433

Delta R.T. 0.01 min

Lab File: BF083896.D

Acq: 18 Dec 2015 4:48

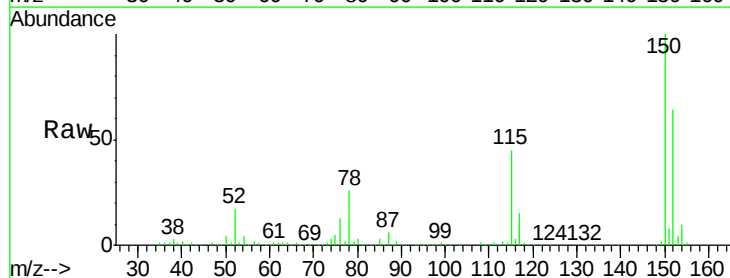
Tgt Ion: 79 Resp: 11033

Ion Ratio Lower Upper

79 100

108 43.0 69.0 103.4#

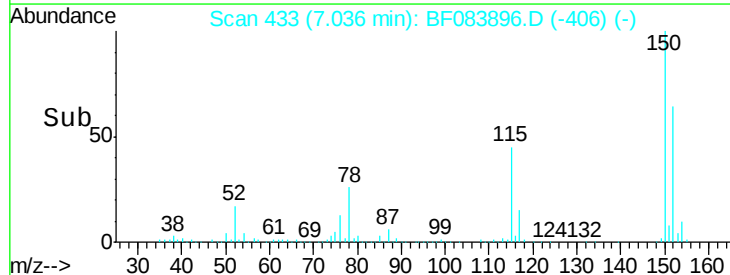
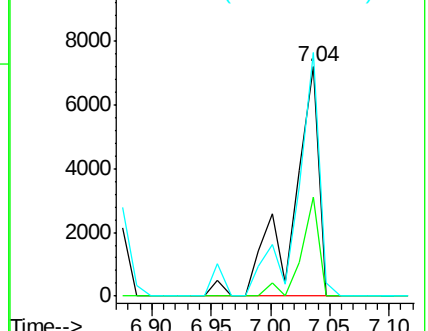
77 106.2 50.0 75.0#

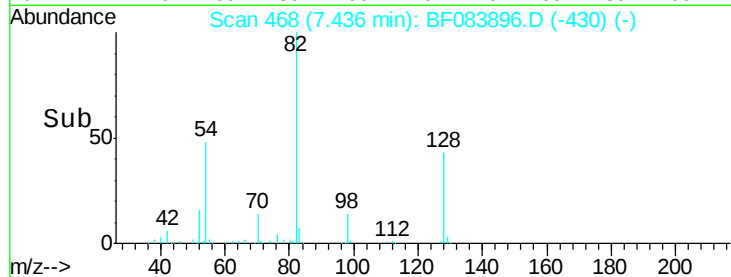
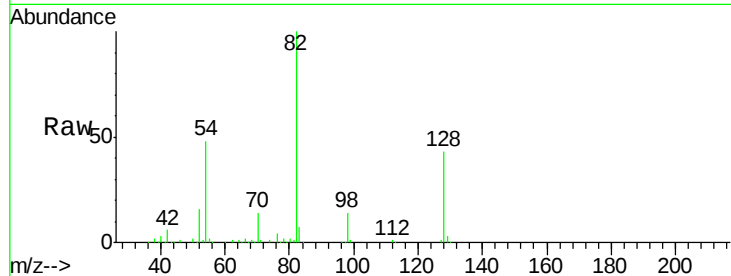
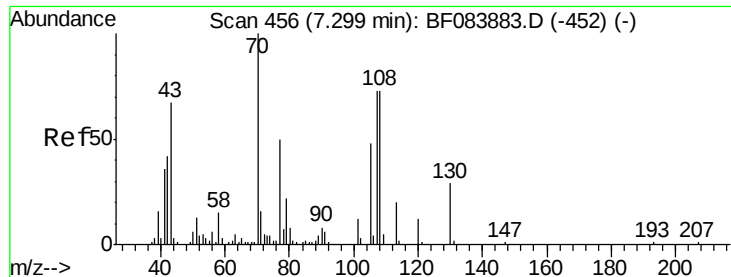


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

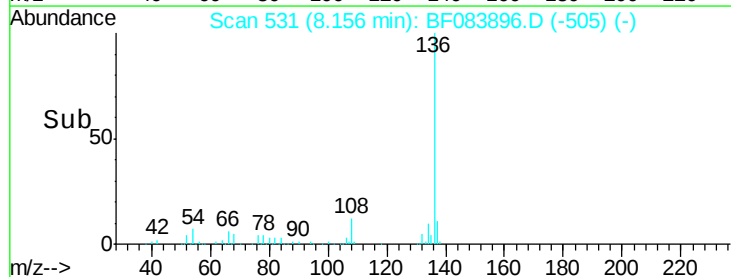
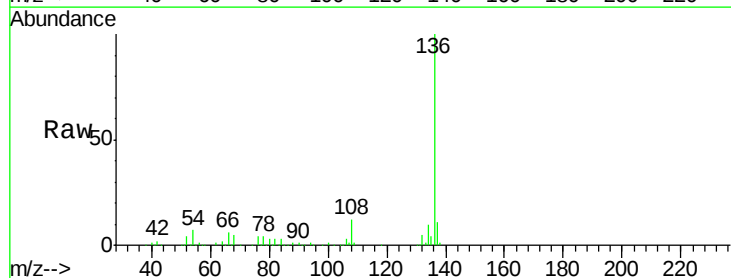
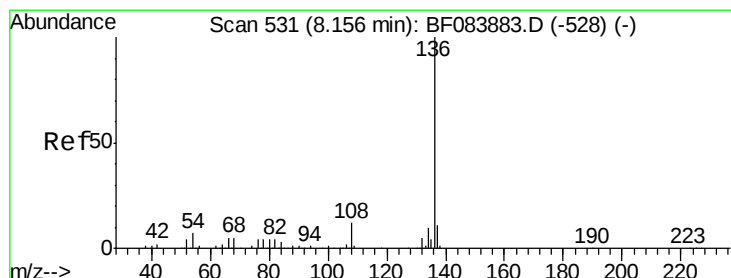
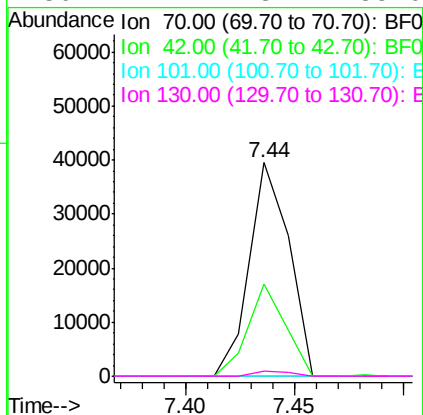




#19
n-Nitroso-di-n-propylamine
Concen: 18.43 ng
RT: 7.44 min Scan# 468
Delta R.T. 0.14 min
Lab File: BF083896.D
Acq: 18 Dec 2015 4:48

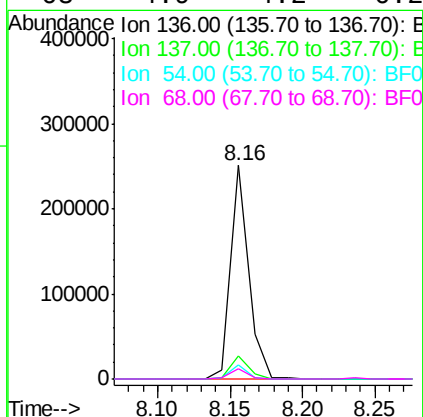
Instrument :
BNA_F
ClientSampleId :
K202-(0-2)

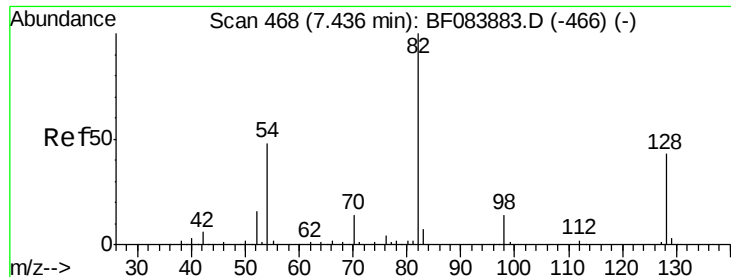
Tgt Ion: 70 Resp: 50468
Ion Ratio Lower Upper
70 100
42 43.2 33.3 49.9
101 0.0 9.3 13.9#
130 2.2 23.4 35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.00 min
Lab File: BF083896.D
Acq: 18 Dec 2015 4:48

Tgt Ion: 136 Resp: 218085
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 6.8 5.8 8.8
68 4.9 4.2 6.2





#23

Nitrobenzene-d5

Concen: 99.09 ng

RT: 7.44 min Scan# 468

Delta R.T. -0.00 min

Lab File: BF083896.D

Acq: 18 Dec 2015 4:48

Instrument :

BNA_F

ClientSampleId :

K202-(0-2)

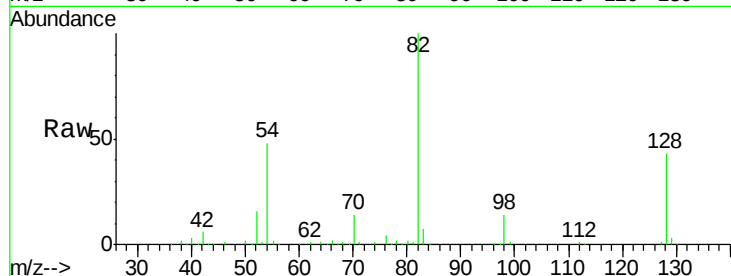
Tgt Ion: 82 Resp: 378634

Ion Ratio Lower Upper

82 100

128 43.0 34.6 51.8

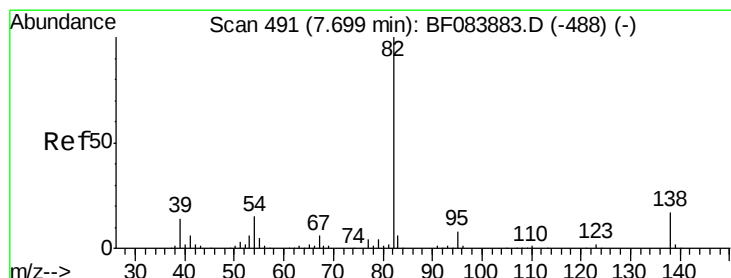
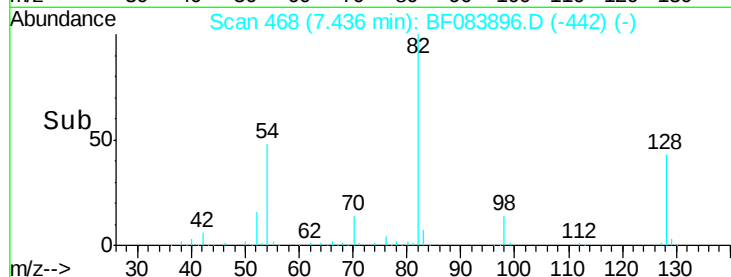
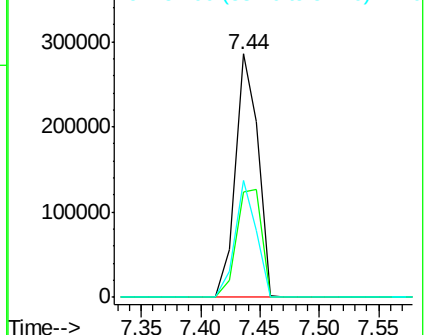
54 47.9 38.4 57.6



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 47.25 ng

RT: 7.44 min Scan# 468

Delta R.T. -0.26 min

Lab File: BF083896.D

Acq: 18 Dec 2015 4:48

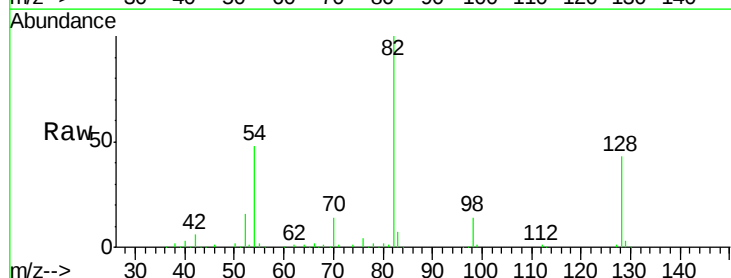
Tgt Ion: 82 Resp: 339703

Ion Ratio Lower Upper

82 100

95 0.0 6.6 10.0#

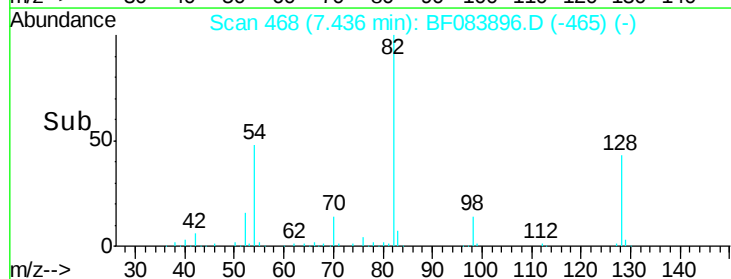
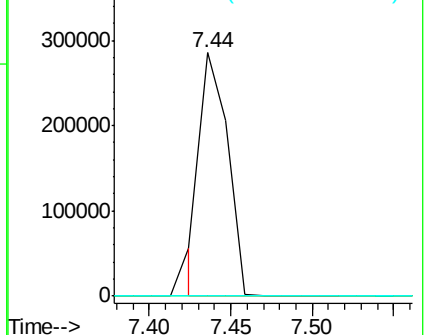
138 0.0 13.6 20.4#

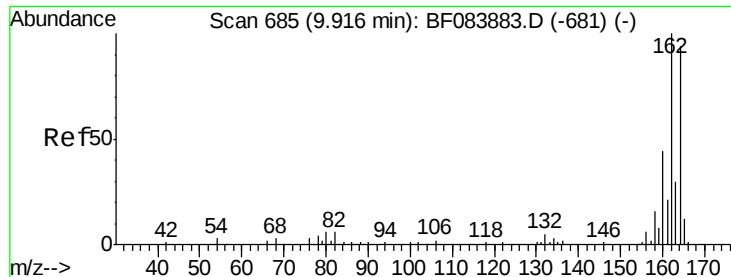


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

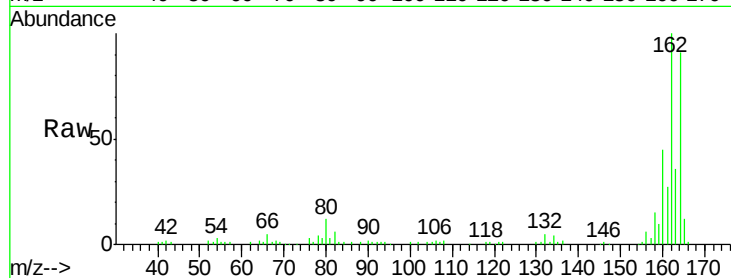




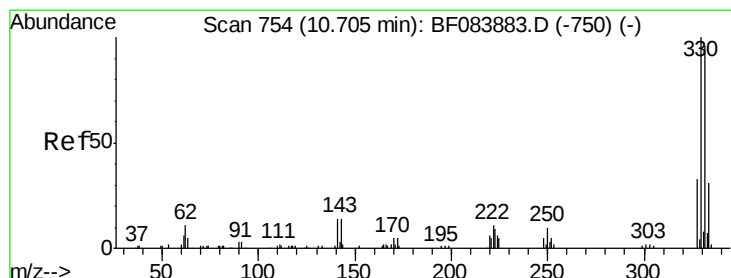
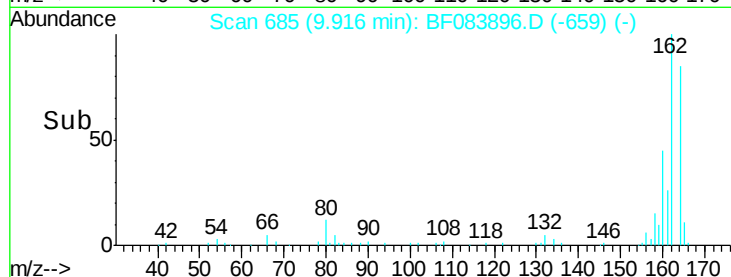
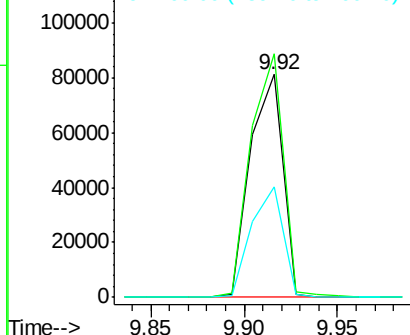
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 685
 Delta R.T. -0.00 min
 Lab File: BF083896.D
 Acq: 18 Dec 2015 4:48

Instrument :
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Tgt Ion:164 Resp: 97579
 Ion Ratio Lower Upper
 164 100
 162 109.4 85.1 127.7
 160 49.6 37.5 56.3

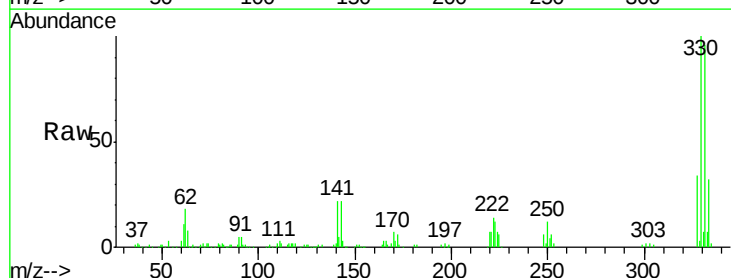


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

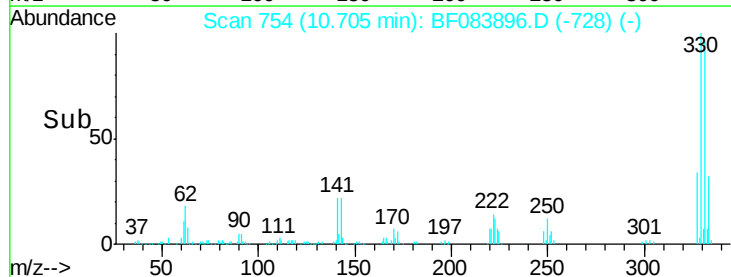
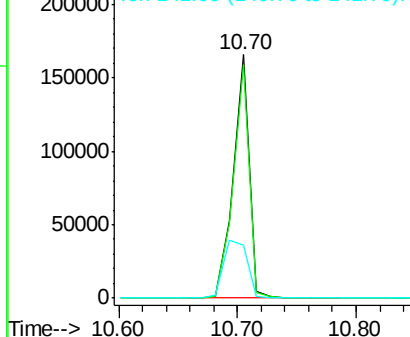


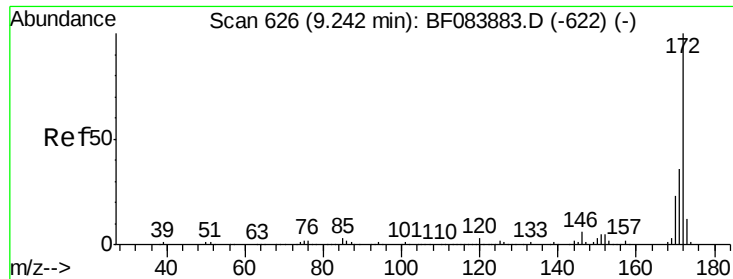
#41
 2,4,6-Tribromophenol
 Concen: 144.13 ng
 RT: 10.70 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: BF083896.D
 Acq: 18 Dec 2015 4:48

Tgt Ion:330 Resp: 154937
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.6 114.8
 141 35.4 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

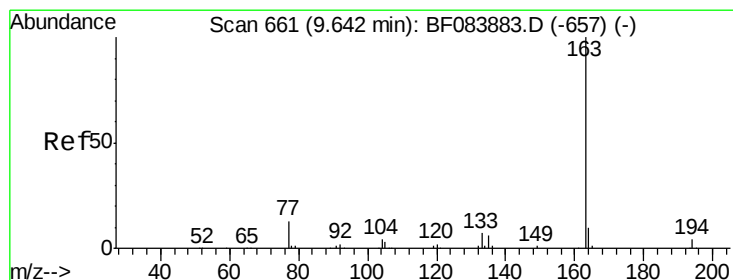
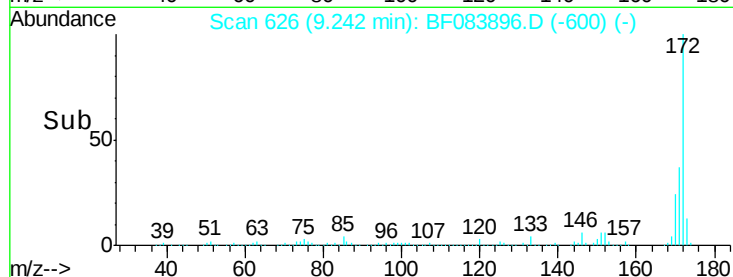
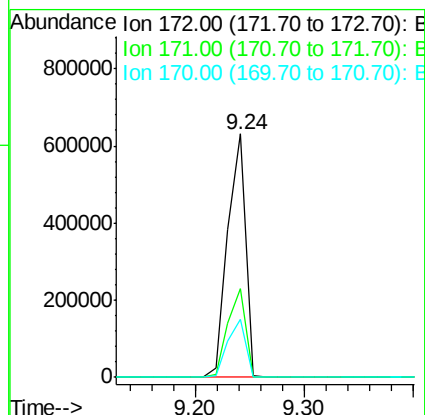
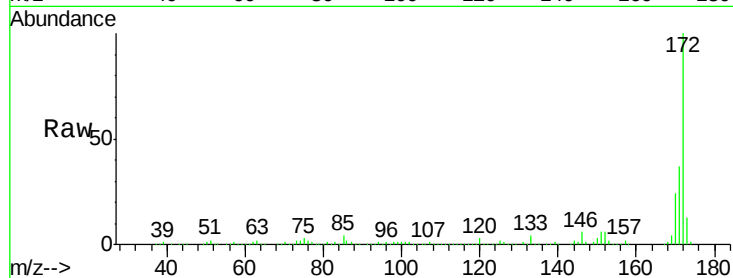




#44
 2-Fluorobiphenyl
 Concen: 107.38 ng
 RT: 9.24 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: BF083896.D
 Acq: 18 Dec 2015 4:48

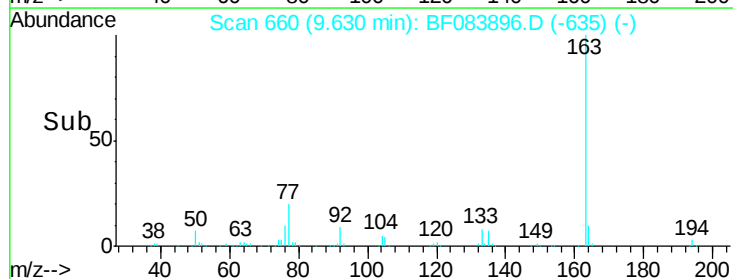
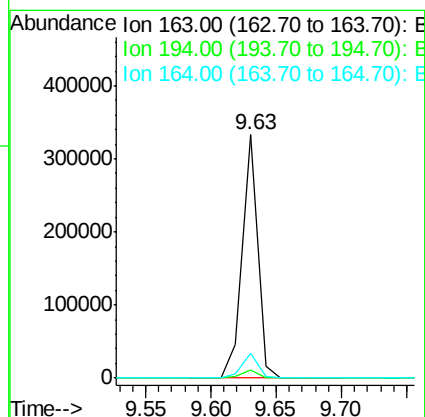
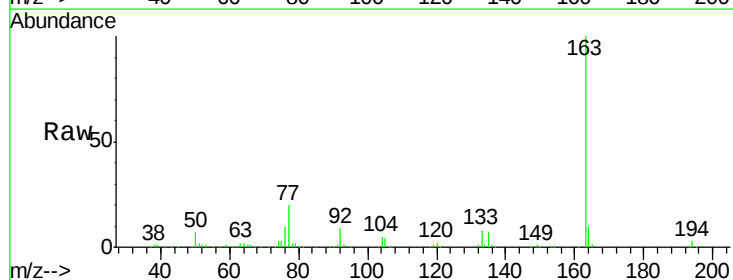
Instrument :
 BNA_F
 ClientSampleId :
 K202-(0-2)

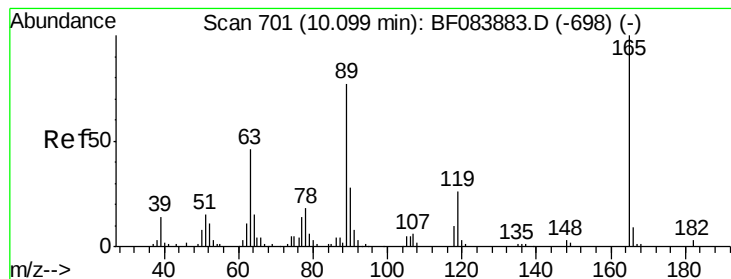
Tgt Ion:172 Resp: 715594
 Ion Ratio Lower Upper
 172 100
 171 36.7 28.9 43.3
 170 24.0 18.6 27.8



#49
 Dimethylphthalate
 Concen: 33.34 ng
 RT: 9.63 min Scan# 660
 Delta R.T. -0.01 min
 Lab File: BF083896.D
 Acq: 18 Dec 2015 4:48

Tgt Ion:163 Resp: 273009
 Ion Ratio Lower Upper
 163 100
 194 3.2 3.0 4.6
 164 10.1 7.9 11.9





#56

2,4-Dinitrotoluene

Concen: 5.69 ng

RT: 9.92 min Scan# 685

Delta R.T. -0.18 min

Lab File: BF083896.D

Acq: 18 Dec 2015 4:48

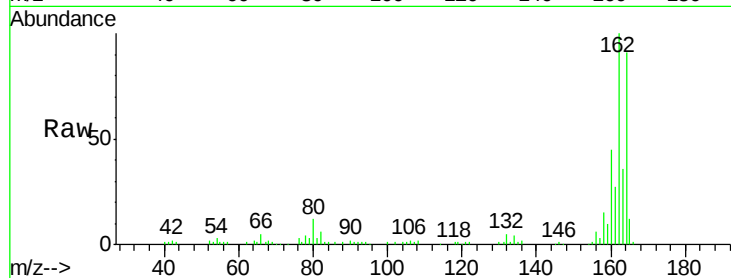
Instrument :

BNA_F

ClientSampleId :

K202-(0-2)

Tgt Ion:	165	Resp:	13022
Ion Ratio	Lower	Upper	
165	100		
63	0.0	36.7	55.1#
89	0.0	61.9	92.9#
182	0.0	2.0	3.0#

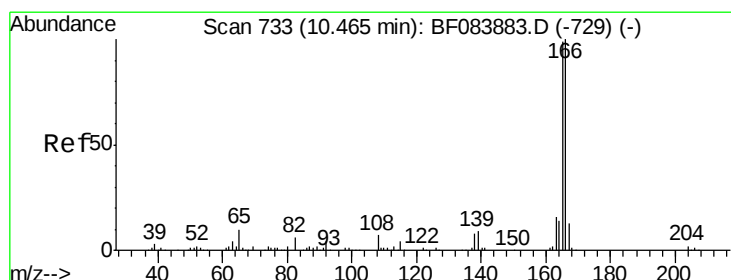
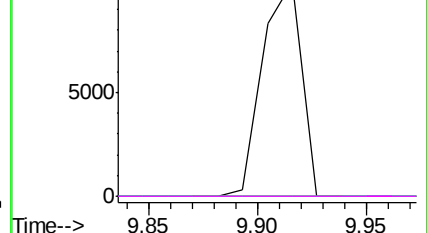
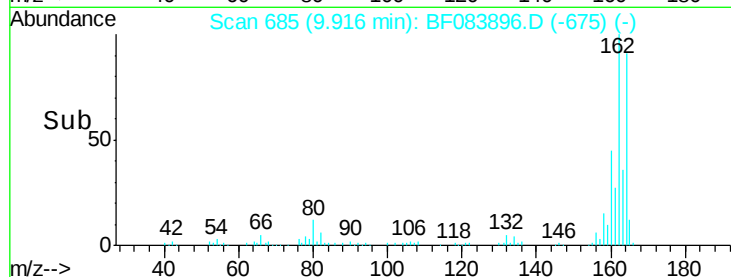


Abundance Ion 165.00 (164.70 to 165.70): E

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: Below Cal

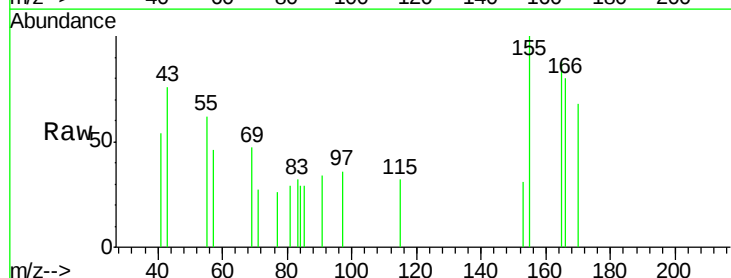
RT: 10.45 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF083896.D

Acq: 18 Dec 2015 4:48

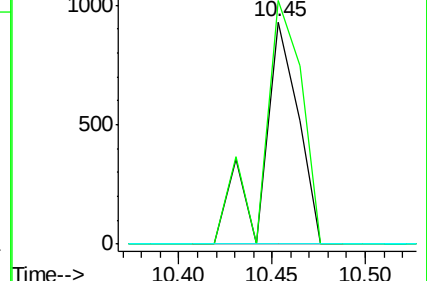
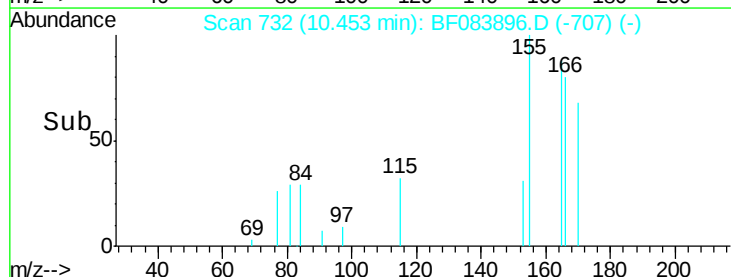
Tgt Ion:	166	Resp:	1236
Ion Ratio	Lower	Upper	
166	100		
165	109.6	79.1	118.7
167	0.0	10.4	15.6#

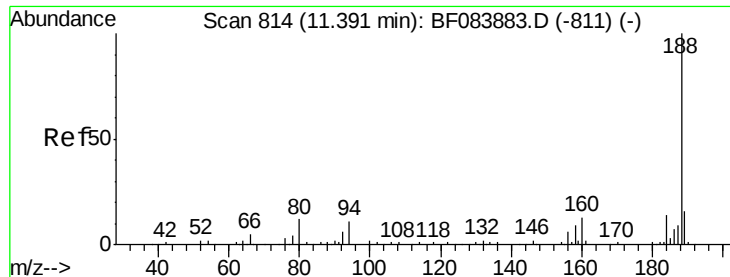


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

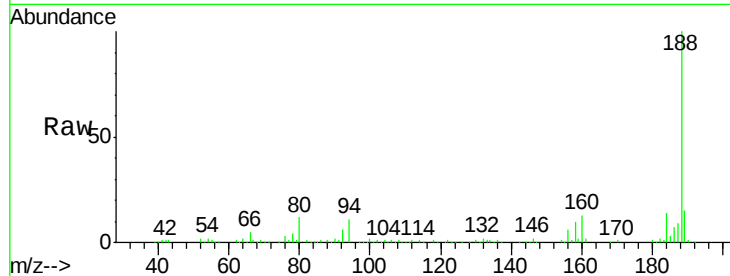




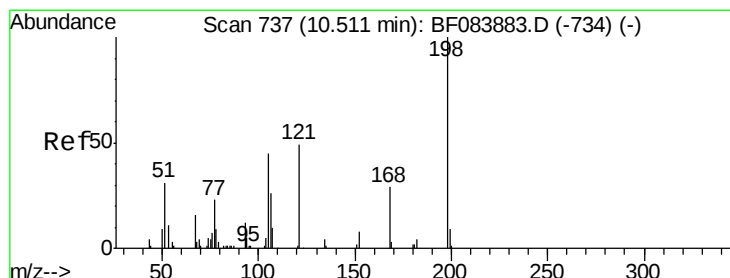
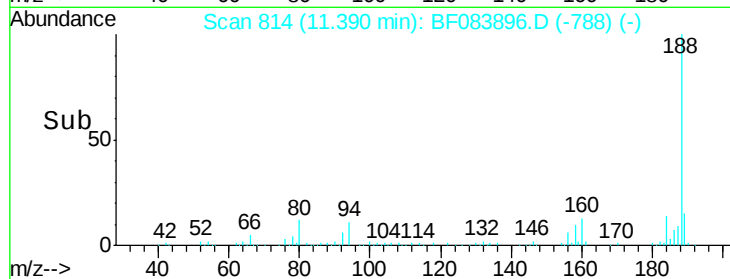
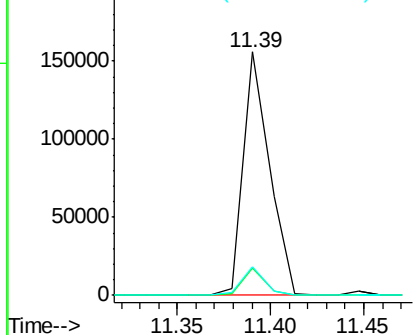
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF083896.D
Acq: 18 Dec 2015 4:48

Instrument :
BNA_F
ClientSampleId :
K202-(0-2)

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	9.0	13.4
80	11.9	9.6	14.4

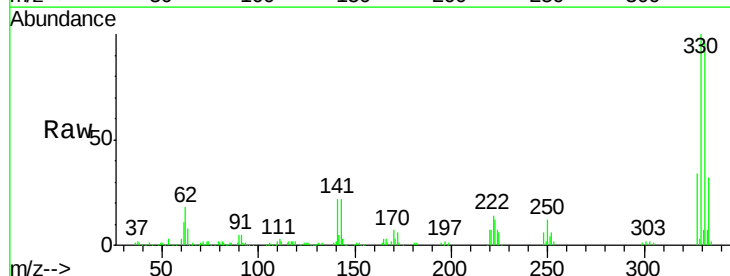


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

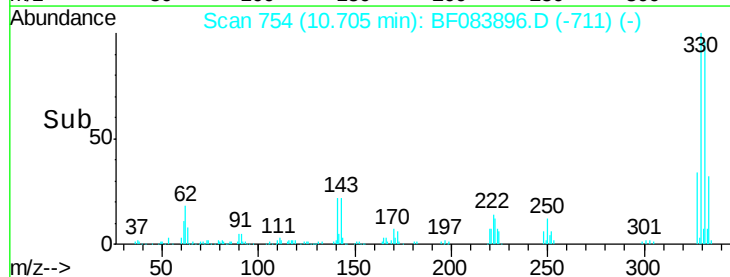
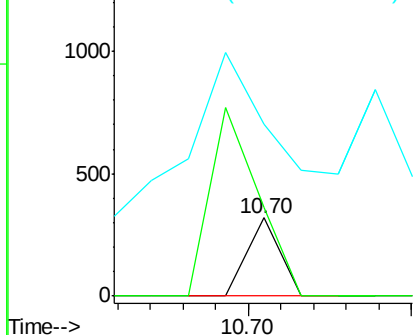


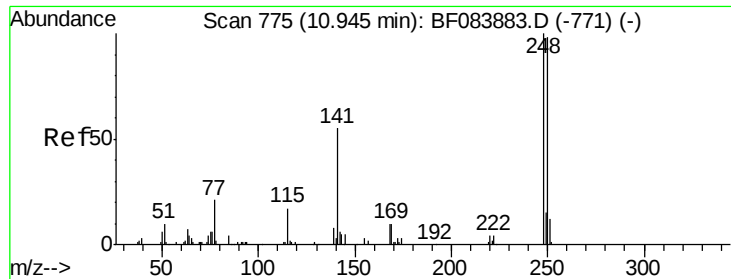
#64
4,6-Dinitro-2-methylphenol
Concen: 4.14 ng
RT: 10.70 min Scan# 754
Delta R.T. 0.19 min
Lab File: BF083896.D
Acq: 18 Dec 2015 4:48

Tgt Ion	Ratio	Lower	Upper
198	100		
51	114.1	18.9	58.9#
105	219.4	26.4	66.4#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

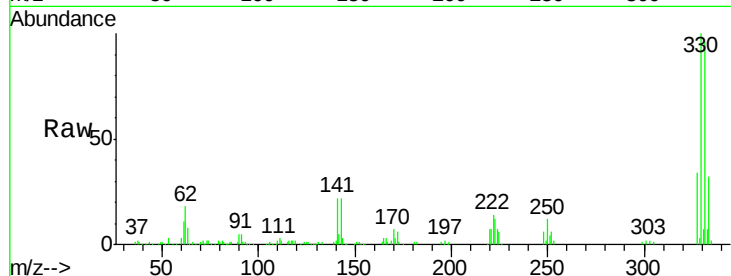




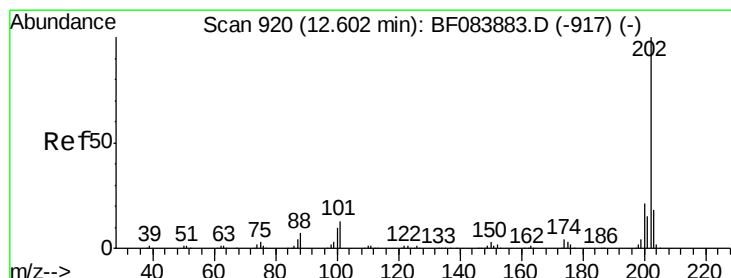
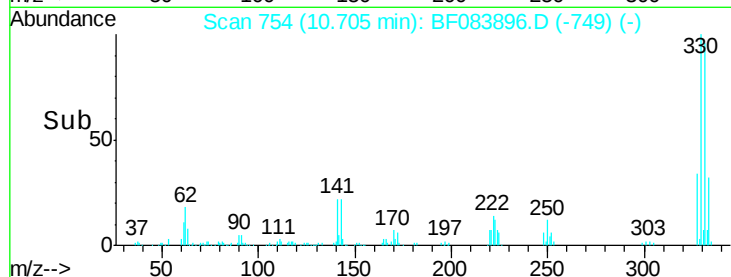
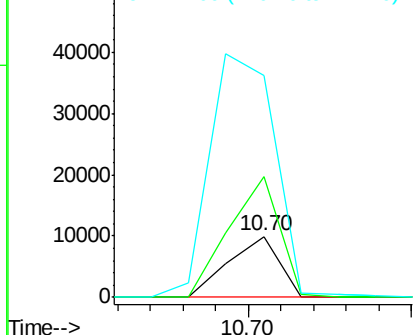
#66
 4-Bromophenyl-phenylether
 Concen: 5.55 ng
 RT: 10.70 min Scan# 754
 Delta R.T. -0.24 min
 Lab File: BF083896.D
 Acq: 18 Dec 2015 4:48

Instrument :
 BNA_F
 ClientSampled :
 K202-(0-2)

Tgt Ion:248 Resp: 10497
 Ion Ratio Lower Upper
 248 100
 250 200.3 78.4 117.6#
 141 365.9 44.0 66.0#

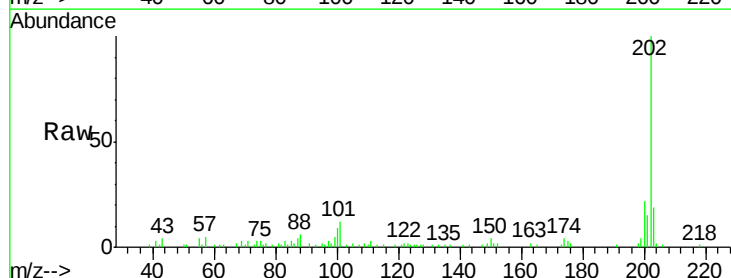


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

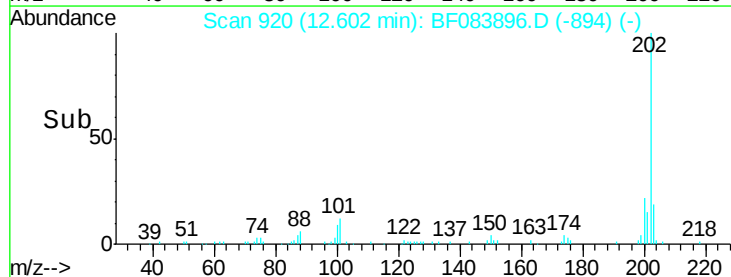
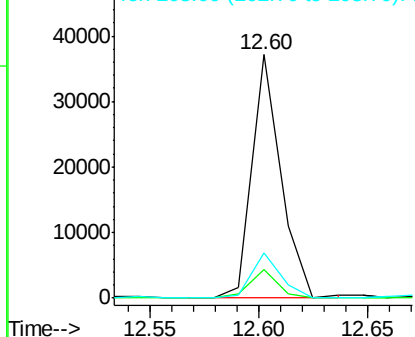


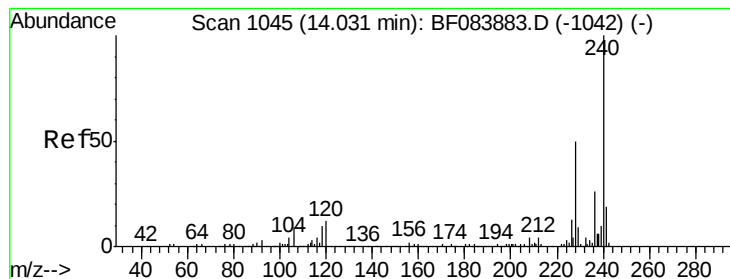
#74
 Fluoranthene
 Concen: 3.68 ng
 RT: 12.60 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: BF083896.D
 Acq: 18 Dec 2015 4:48

Tgt Ion:202 Resp: 34358
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 32.8
 203 18.7 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: BF083896.D

Acq: 18 Dec 2015 4:48

Instrument :

BNA_F

ClientSampleId :

K202-(0-2)

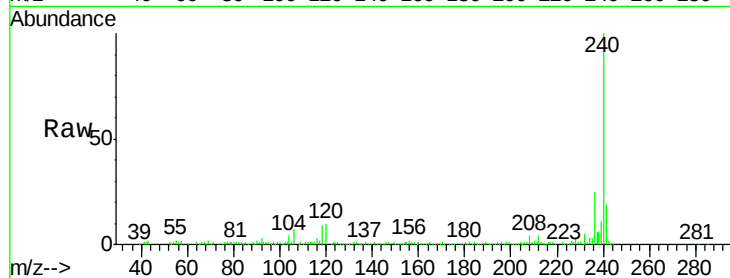
Tgt Ion:240 Resp: 117794

Ion Ratio Lower Upper

240 100

120 10.0 9.5 14.3

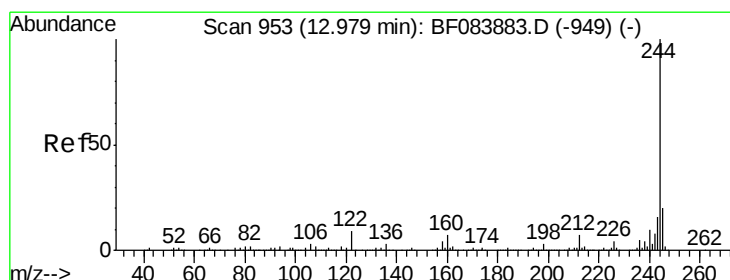
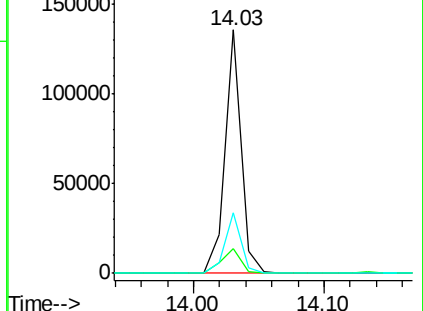
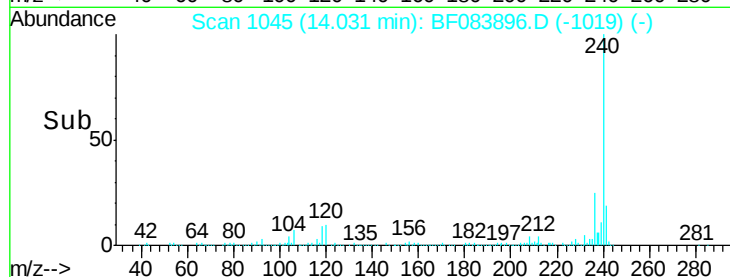
236 24.9 20.6 31.0



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: 89.14 ng

RT: 12.98 min Scan# 953

Delta R.T. 0.00 min

Lab File: BF083896.D

Acq: 18 Dec 2015 4:48

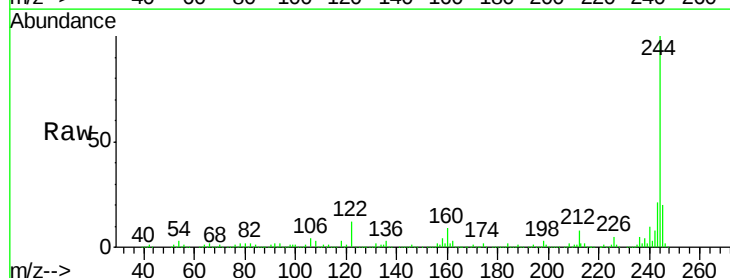
Tgt Ion:244 Resp: 447555

Ion Ratio Lower Upper

244 100

212 8.0 5.7 8.5

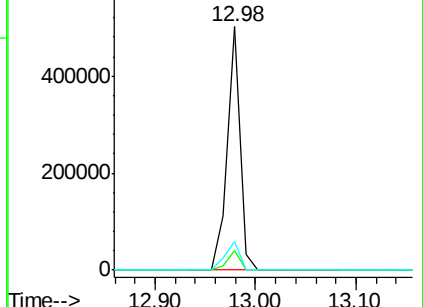
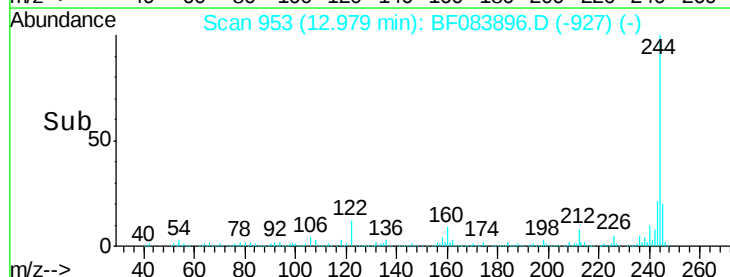
122 12.0 7.4 11.0#

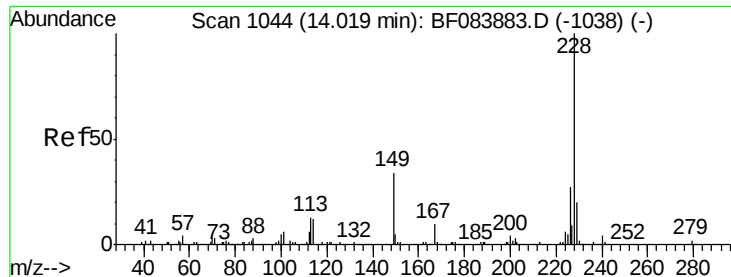


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.04 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.00 min

Lab File: BF083896.D

Acq: 18 Dec 2015 4:48

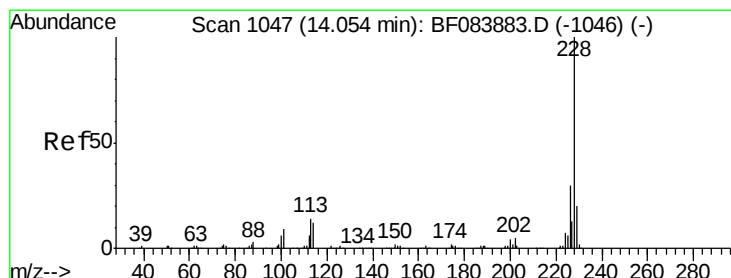
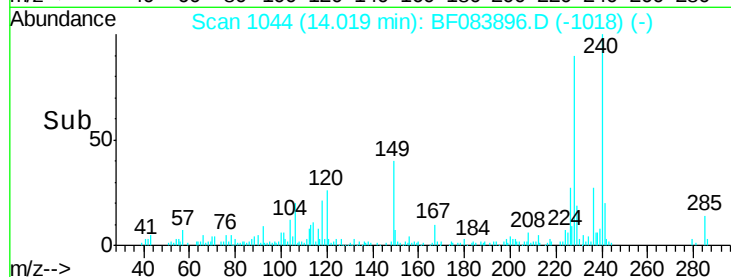
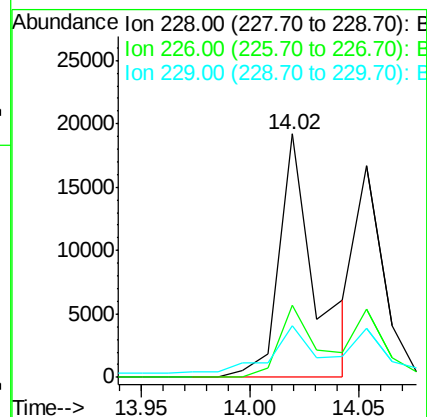
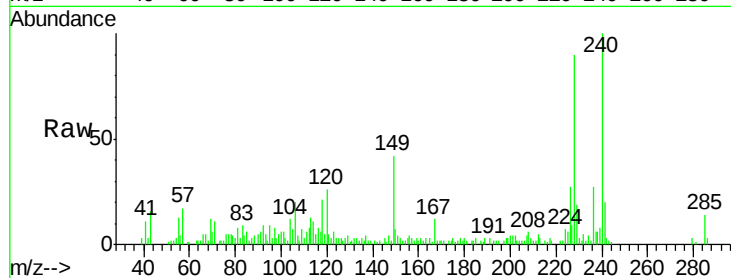
Instrument :

BNA_F

ClientSampleId :

K202-(0-2)

Tgt Ion:	228	Resp:	22041
Ion	Ratio	Lower	Upper
228	100		
226	29.8	21.8	32.6
229	21.2	15.8	23.8



#82

Chrysene

Concen: 3.15 ng

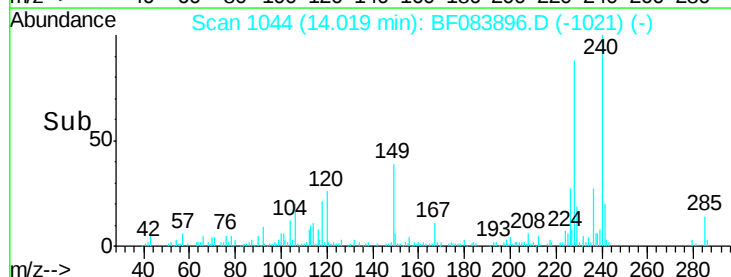
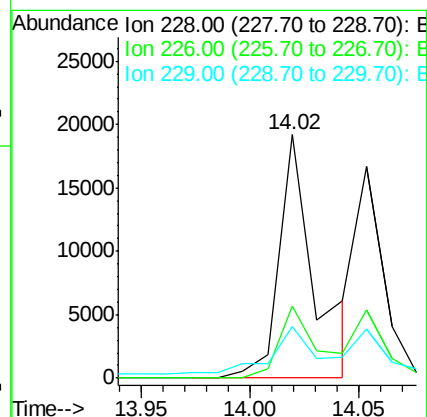
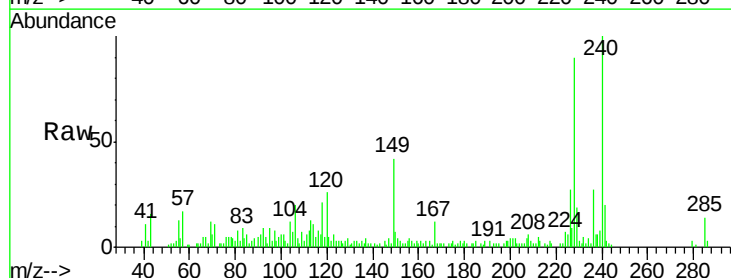
RT: 14.02 min Scan# 1044

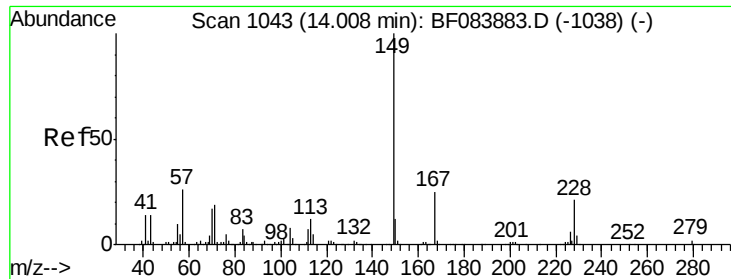
Delta R.T. -0.03 min

Lab File: BF083896.D

Acq: 18 Dec 2015 4:48

Tgt Ion:	228	Resp:	22041
Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.3	36.5
229	21.2	16.1	24.1

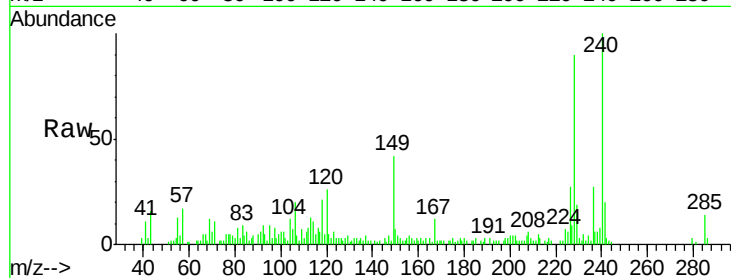




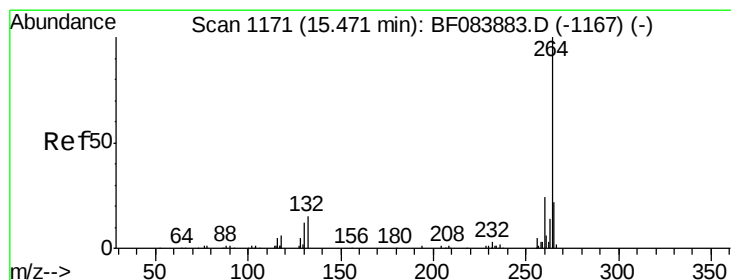
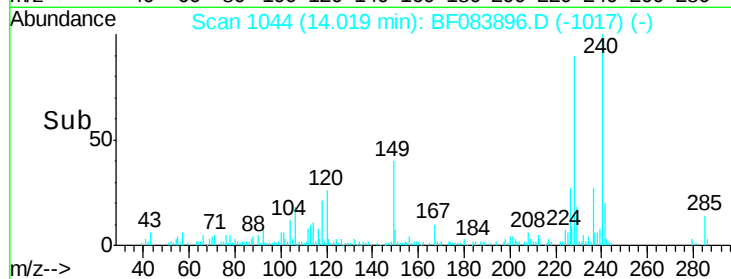
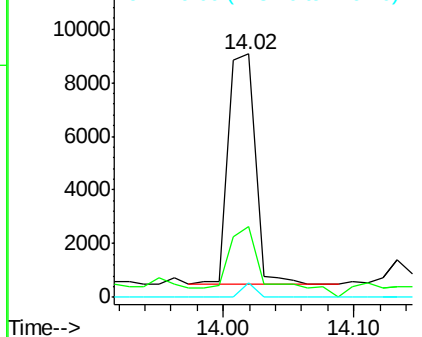
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.33 ng
 RT: 14.02 min Scan# 1044
 Delta R.T. 0.01 min
 Lab File: BF083896.D
 Acq: 18 Dec 2015 4:48

Instrument :
 BNA_F
 ClientSampleId :
 K202-(0-2)

Tgt Ion:149 Resp: 12201
 Ion Ratio Lower Upper
 149 100
 167 29.2 19.7 29.5
 279 6.1 1.8 2.6#

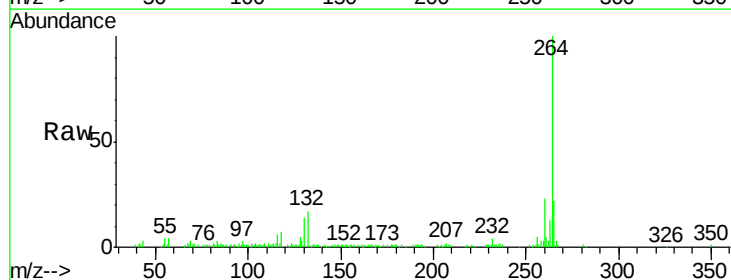


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

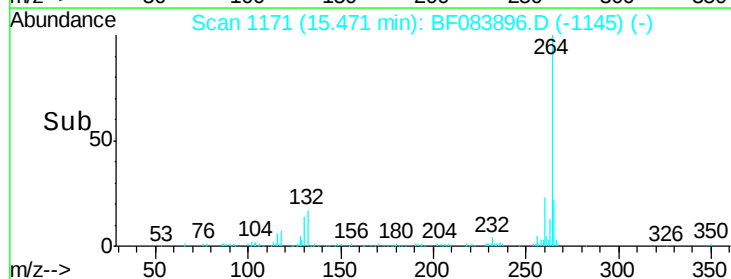
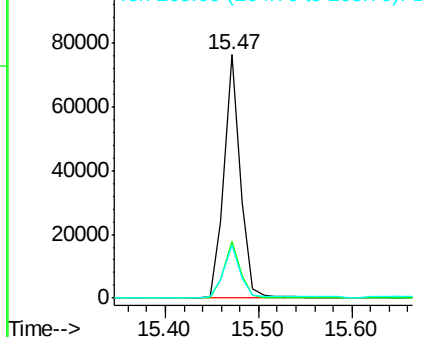


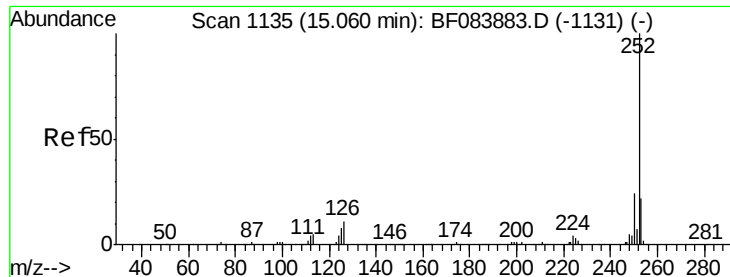
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.47 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: BF083896.D
 Acq: 18 Dec 2015 4:48

Tgt Ion:264 Resp: 93840
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.4 29.2
 265 21.8 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

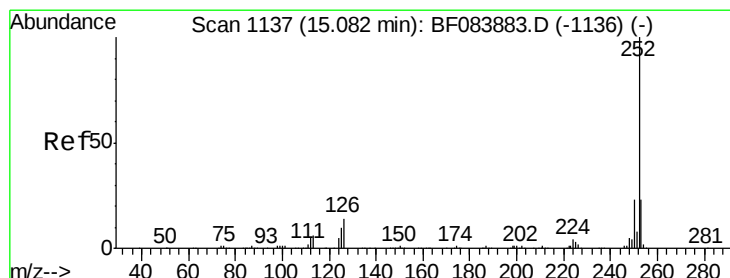
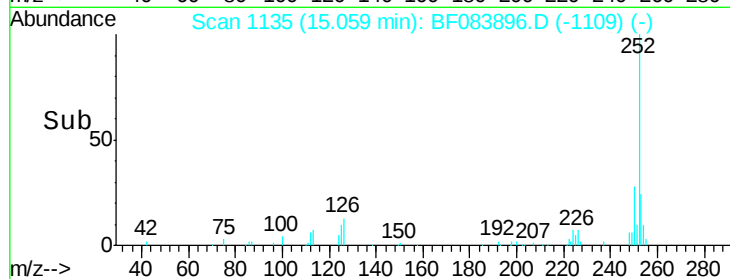
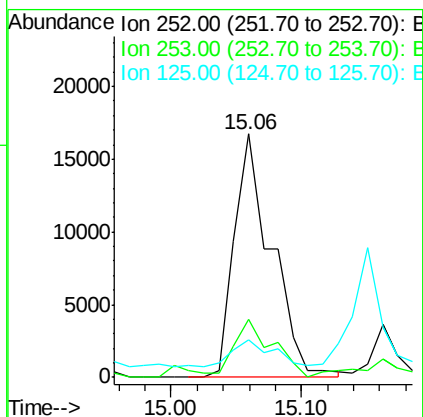
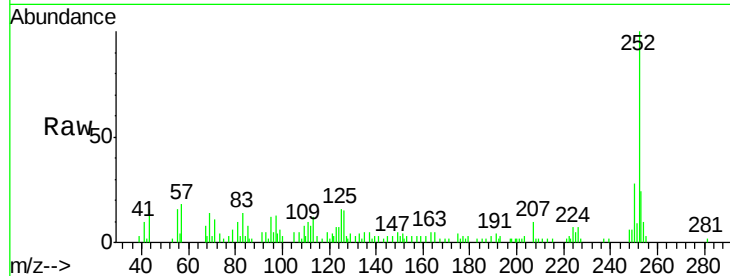




#87
Benzo(b)fluoranthene
Concen: 4.85 ng
RT: 15.06 min Scan# 1135
Delta R.T. -0.00 min
Lab File: BF083896.D
Acq: 18 Dec 2015 4:48

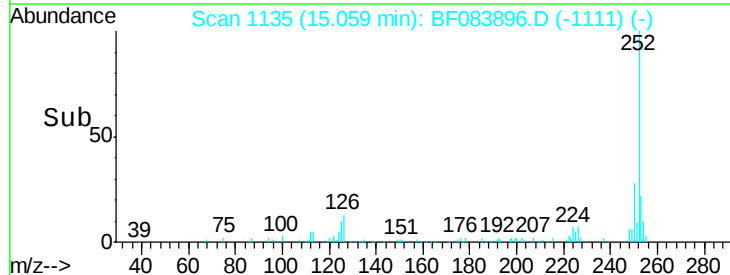
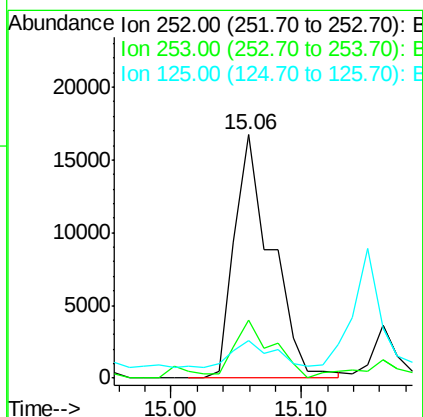
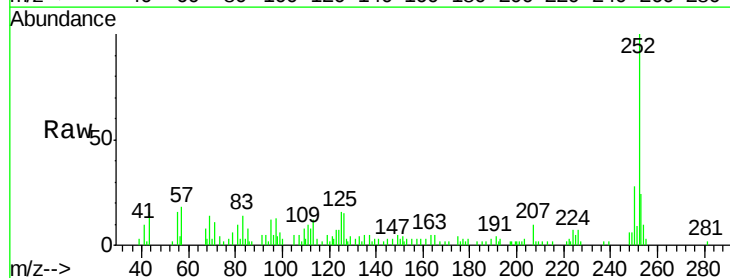
Instrument :
BNA_F
ClientSampleId :
K202-(0-2)

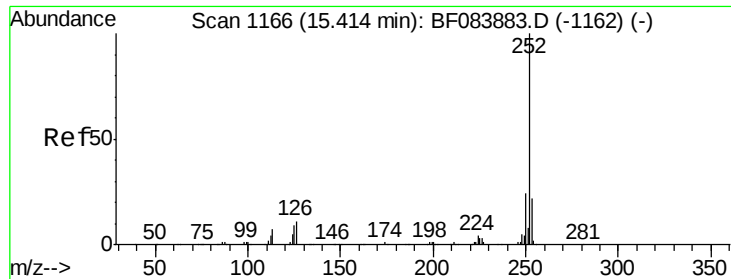
Tgt Ion:252 Resp: 33172
Ion Ratio Lower Upper
252 100
253 24.0 17.3 25.9
125 15.6 6.5 9.7#



#88
Benzo(k)fluoranthene
Concen: 5.88 ng
RT: 15.06 min Scan# 1135
Delta R.T. -0.02 min
Lab File: BF083896.D
Acq: 18 Dec 2015 4:48

Tgt Ion:252 Resp: 33172
Ion Ratio Lower Upper
252 100
253 24.0 18.1 27.1
125 15.6 9.0 13.6#





#89

Benzo(a)pyrene

Concen: 2.66 ng

RT: 15.41 min Scan# 1166

Delta R.T. -0.00 min

Lab File: BF083896.D

Acq: 18 Dec 2015 4:48

Instrument :

BNA_F

ClientSampleId :

K202-(0-2)

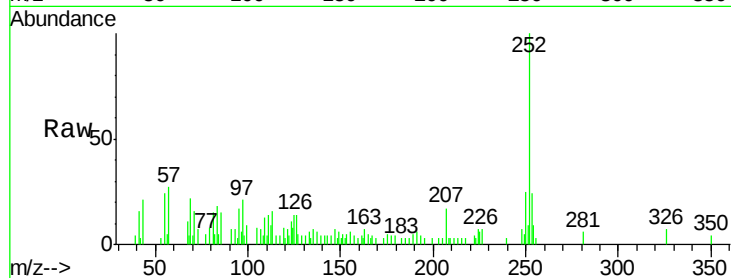
Tgt Ion: 252 Resp: 15012

Ion Ratio Lower Upper

252 100

253 24.0 17.3 25.9

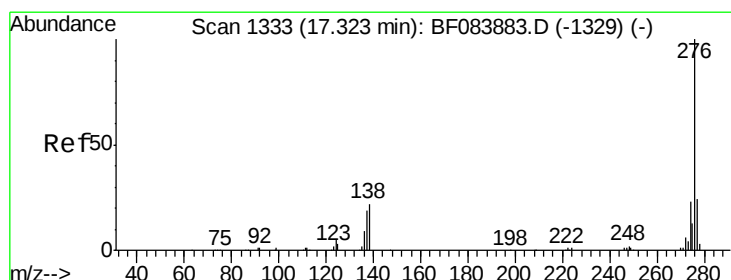
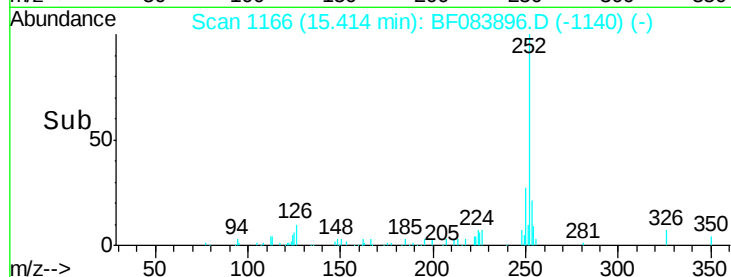
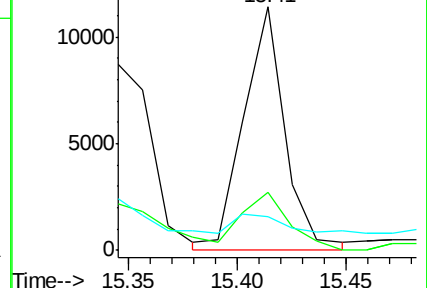
125 14.0 7.0 10.4#



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



#91

Benzo(g,h,i)perylene

Concen: 2.49 ng

RT: 17.33 min Scan# 1334

Delta R.T. 0.01 min

Lab File: BF083896.D

Acq: 18 Dec 2015 4:48

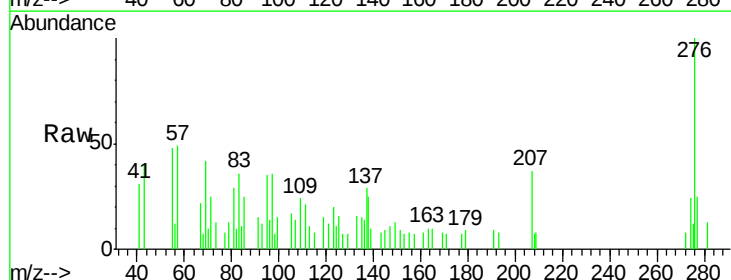
Tgt Ion: 276 Resp: 10707

Ion Ratio Lower Upper

276 100

277 25.2 18.8 28.2

138 25.3 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

