

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112415\
 Data File : BF083260.D
 Acq On : 25 Nov 2015 2:34
 Operator : UM/IZ
 Sample : G4436-05RE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-1579RE

Quant Time: Nov 25 05:07:55 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	189628	20.00	ng	-0.06
21) Naphthalene-d8	7.90	136	762493	20.00	ng	-0.06
38) Acenaphthene-d10	9.64	164	375924	20.00	ng	-0.06
63) Phenanthrene-d10	11.12	188	678092	20.00	ng	-0.06
75) Chrysene-d12	13.75	240	480225	20.00	ng	-0.06
86) Perylene-d12	15.11	264	458702	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.21	112	1567682	124.99	ng	-0.07
7) Phenol-d6	6.28	99	2374357	146.31	ng	-0.06
23) Nitrobenzene-d5	7.18	82	1540584	92.32	ng	-0.06
41) 2,4,6-Tribromophenol	10.43	330	414320	107.73	ng	-0.06
44) 2-Fluorobiphenyl	8.98	172	1912648	70.95	ng	-0.05
78) Terphenyl-d14	12.71	244	1310186	64.25	ng	-0.06

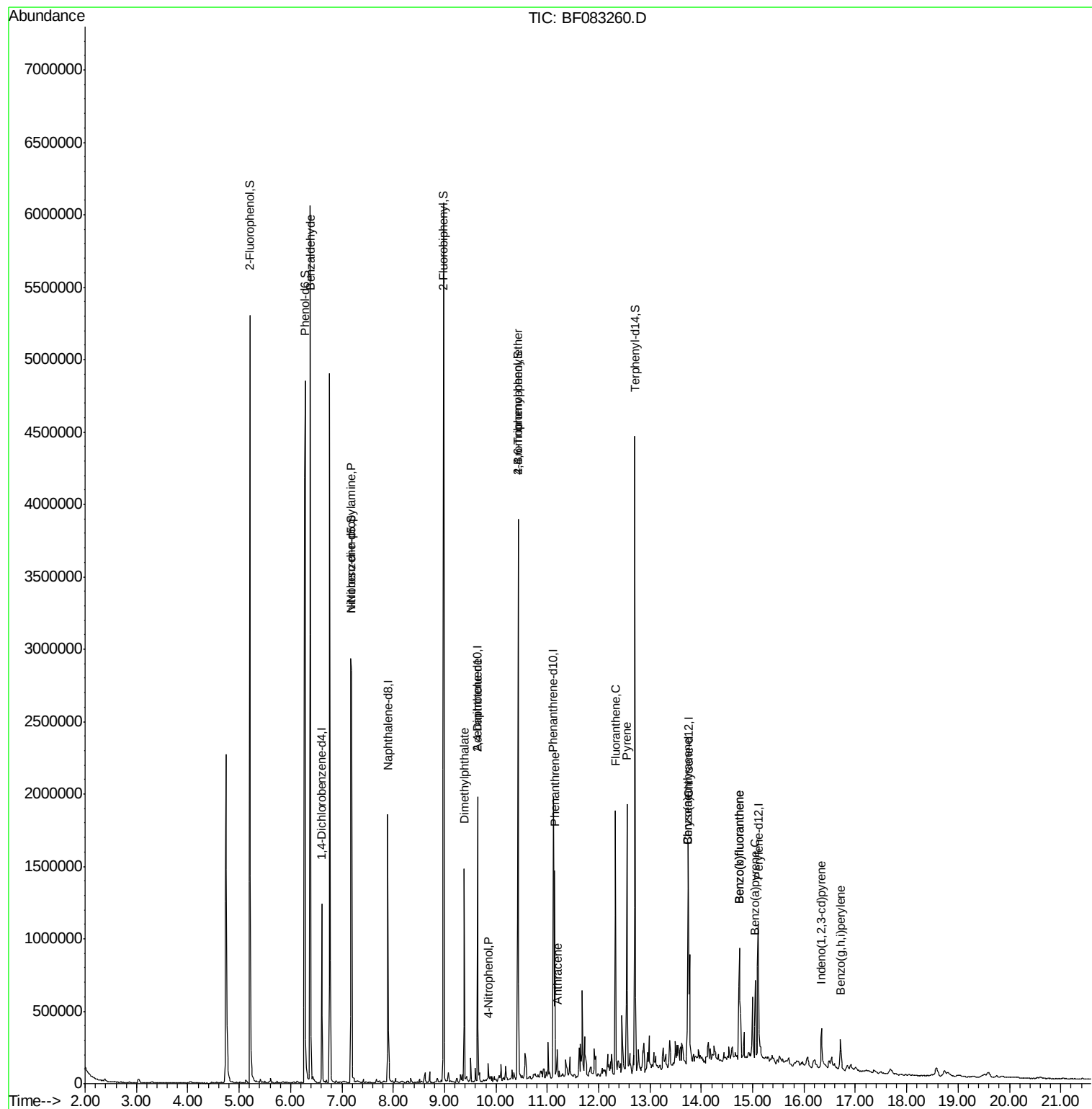
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.39	77	44588	3.44	ng	81
19) n-Nitroso-di-n-propylamine	7.18	70	212162	18.79	ng	# 78
49) Dimethylphthalate	9.38	163	587645	20.30	ng	98
55) 4-Nitrophenol	9.85	139	14419	2.72	ng	# 1
56) 2,4-Dinitrotoluene	9.64	165	50224	6.10	ng	# 10
66) 4-Bromophenyl-phenylether	10.43	248	29324	3.90	ng	# 1
70) Phenanthrene	11.14	178	515964	13.21	ng	99
71) Anthracene	11.20	178	101763	2.55	ng	97
74) Fluoranthene	12.33	202	900741	22.53	ng	96
77) Pyrene	12.55	202	682028	20.79	ng	99
80) Benzo(a)anthracene	13.74	228	378649	12.75	ng	95
82) Chrysene	13.74	228	378649	13.75	ng	99
85) Indeno(1,2,3-cd)pyrene	16.34	276	181104	7.23	ng	96
87) Benzo(b)fluoranthene	14.74	252	528912	16.88	ng	# 96
88) Benzo(k)fluoranthene	14.74	252	528912	22.65	ng	# 97
89) Benzo(a)pyrene	15.05	252	236650	9.15	ng	# 97
91) Benzo(g,h,i)perylene	16.71	276	152229	6.63	ng	96

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

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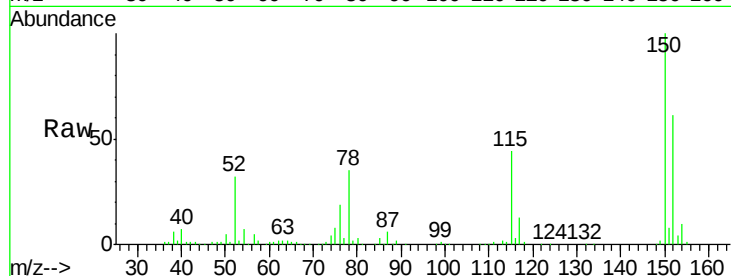




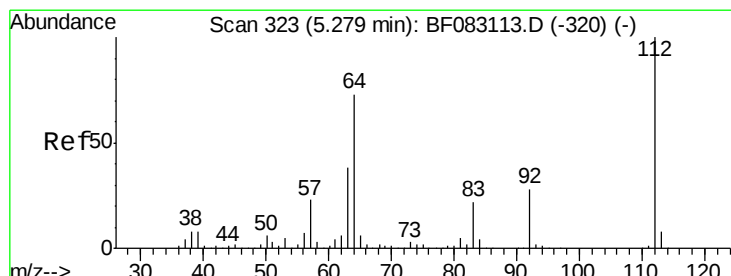
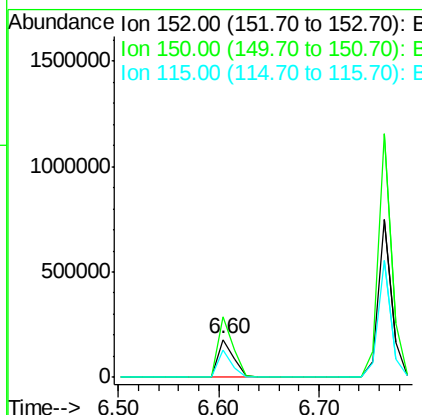
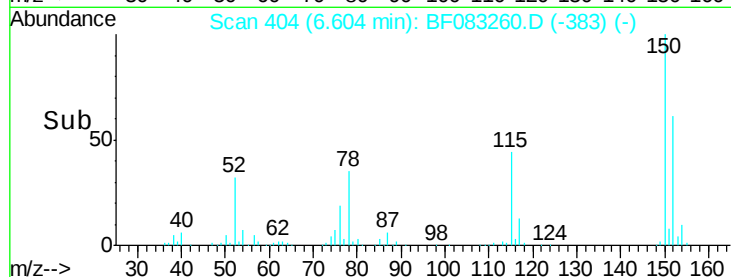
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.60 min Scan# 404
 Delta R.T. -0.06 min
 Lab File: BF083260.D
 Acq: 25 Nov 2015 2:34

Instrument :
 BNA_F
 ClientSampleId :
 SS-1579RE

Tgt Ion:152 Resp: 189628
 Ion Ratio Lower Upper
 152 100
 150 163.0 125.8 188.8
 115 72.0 46.9 70.3#

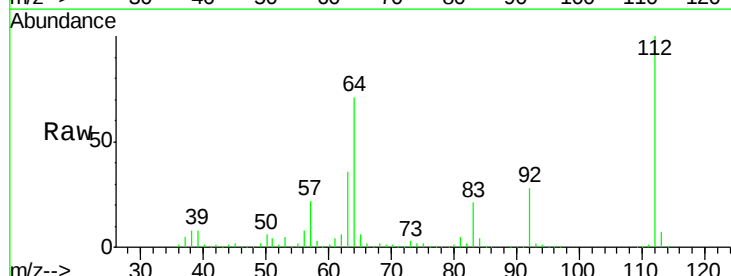


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

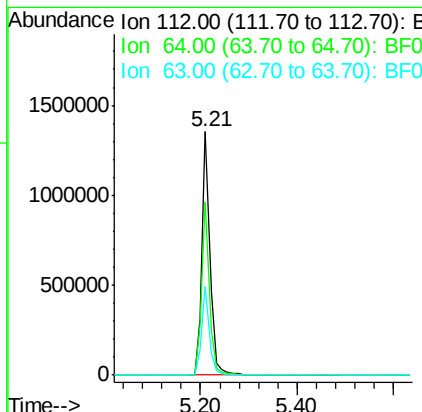
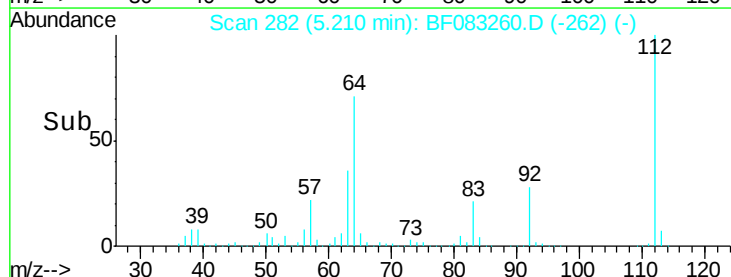


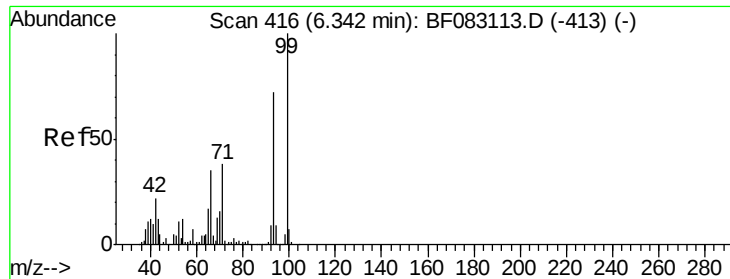
#5
 2-Fluorophenol
 Concen: 124.99 ng
 RT: 5.21 min Scan# 282
 Delta R.T. -0.07 min
 Lab File: BF083260.D
 Acq: 25 Nov 2015 2:34

Tgt Ion:112 Resp: 1567682
 Ion Ratio Lower Upper
 112 100
 64 71.4 58.4 87.6
 63 36.3 30.0 45.0



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: 146.31 ng

RT: 6.28 min Scan# 376

Delta R.T. -0.06 min

Lab File: BF083260.D

Acq: 25 Nov 2015 2:34

Instrument :

BNA_F

ClientSampleId :

SS-1579RE

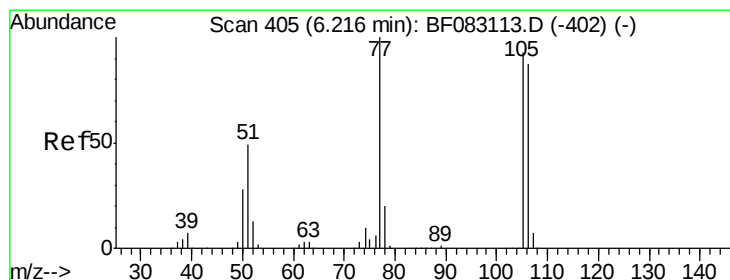
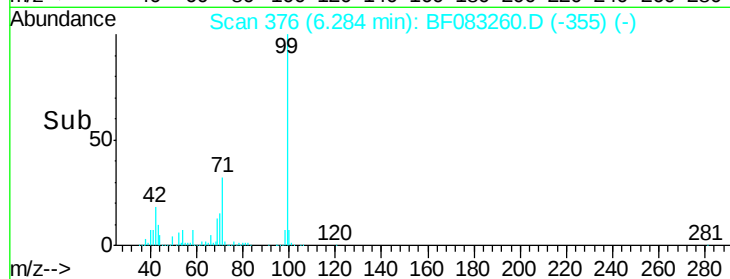
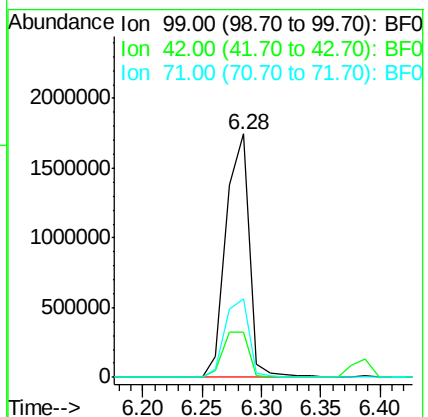
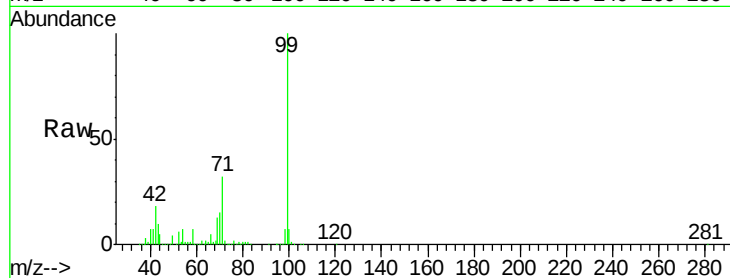
Tgt Ion: 99 Resp: 2374357

Ion Ratio Lower Upper

99 100

42 18.3 17.7 26.5

71 32.1 30.2 45.4



#9

Benzaldehyde

Concen: 3.44 ng

RT: 6.39 min Scan# 385

Delta R.T. 0.17 min

Lab File: BF083260.D

Acq: 25 Nov 2015 2:34

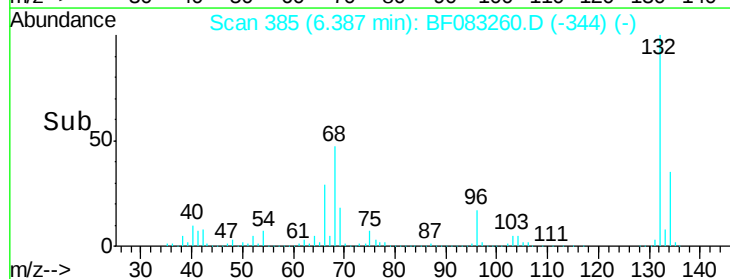
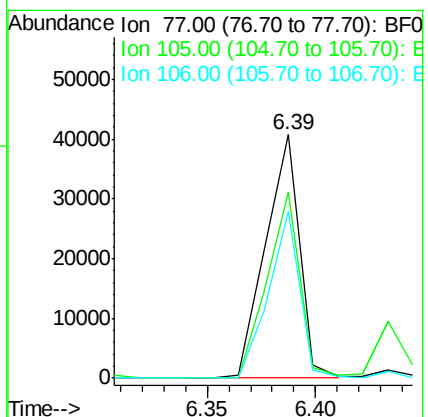
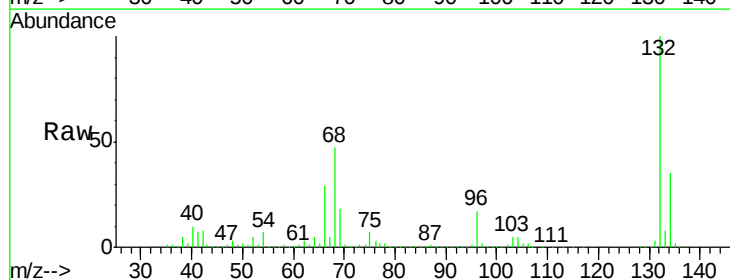
Tgt Ion: 77 Resp: 44588

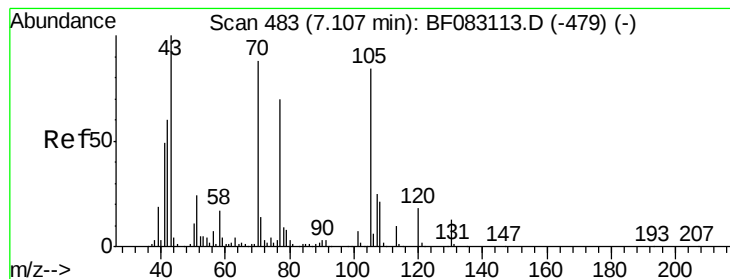
Ion Ratio Lower Upper

77 100

105 76.6 73.4 113.4

106 68.5 67.5 107.5





#19

n-Nitroso-di-n-propylamine

Concen: 18.79 ng

RT: 7.18 min Scan# 454

Delta R.T. 0.07 min

Lab File: BF083260.D

Acq: 25 Nov 2015 2:34

Instrument :

BNA_F

ClientSampleId :

SS-1579RE

Tgt Ion: 70 Resp: 212162

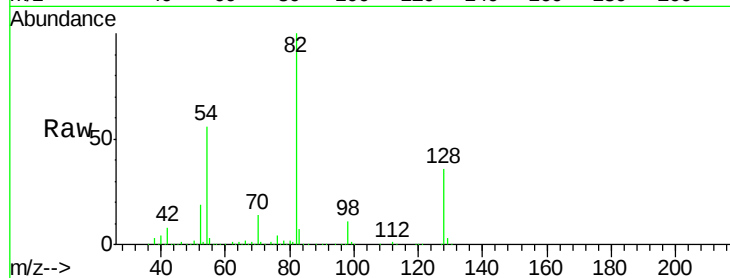
Ion Ratio Lower Upper

70 100

42 52.4 54.5 81.7#

101 0.0 6.6 9.8#

130 1.6 11.5 17.3#

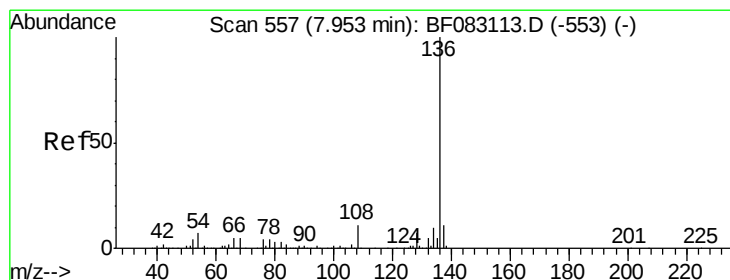
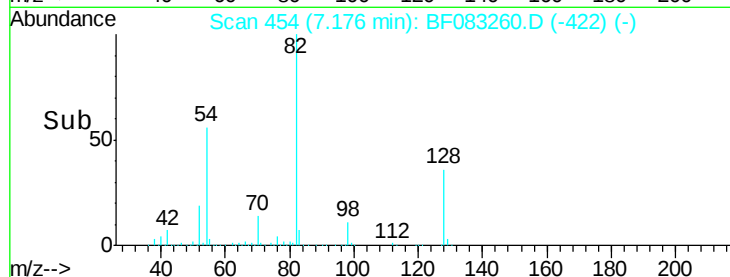
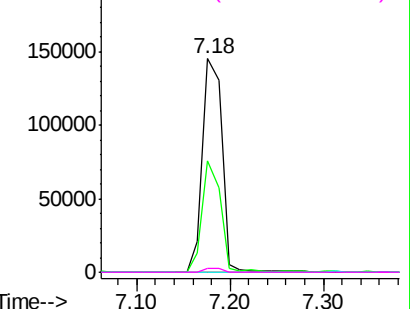


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 517

Delta R.T. -0.06 min

Lab File: BF083260.D

Acq: 25 Nov 2015 2:34

Tgt Ion: 136 Resp: 762493

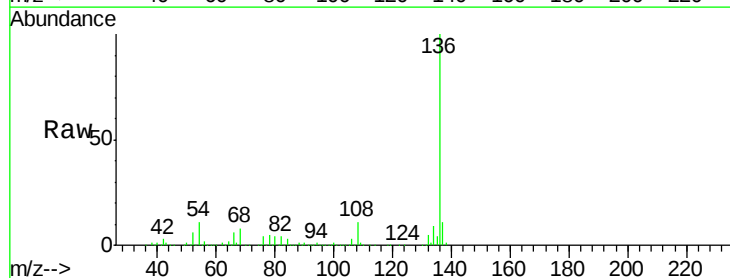
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 11.3 5.8 8.6#

68 8.0 3.8 5.8#

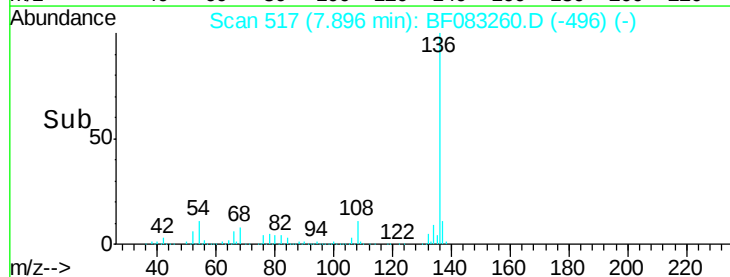
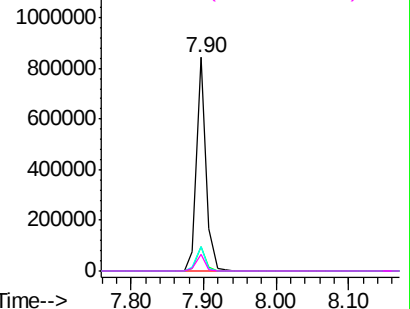


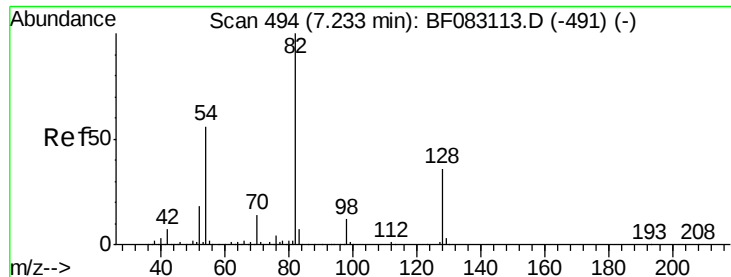
Abundance Ion 136.00 (135.70 to 136.70): E

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

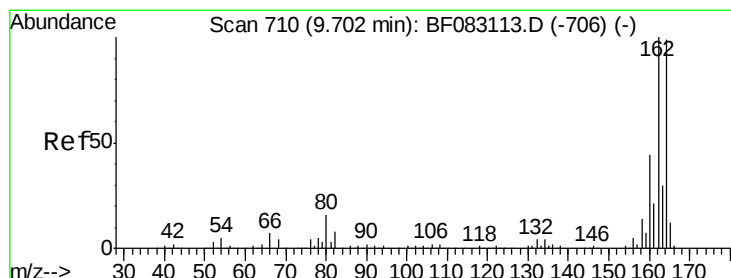
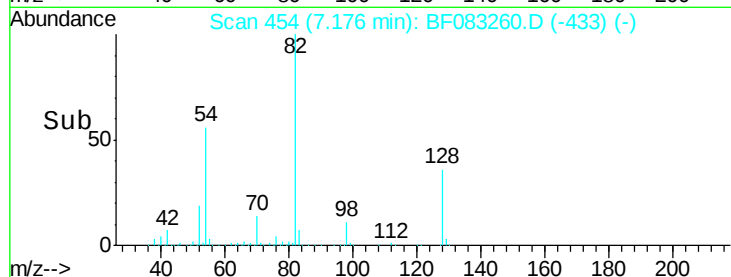
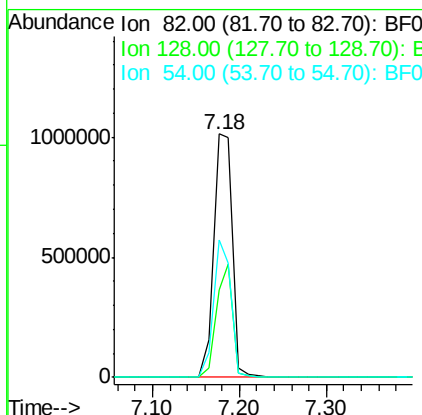
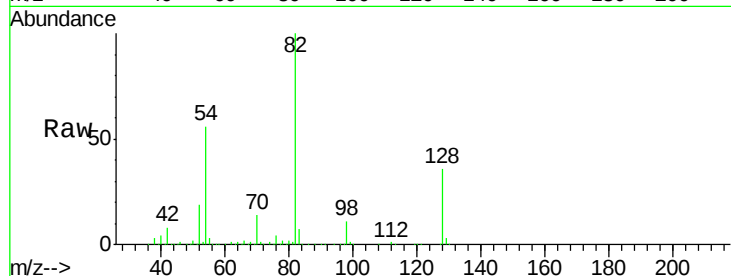




#23
 Nitrobenzene-d5
 Concen: 92.32 ng
 RT: 7.18 min Scan# 454
 Delta R.T. -0.06 min
 Lab File: BF083260.D
 Acq: 25 Nov 2015 2:34

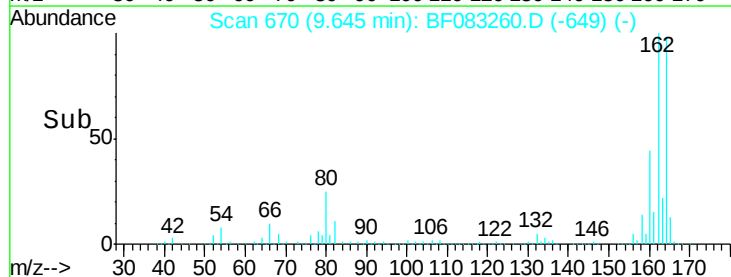
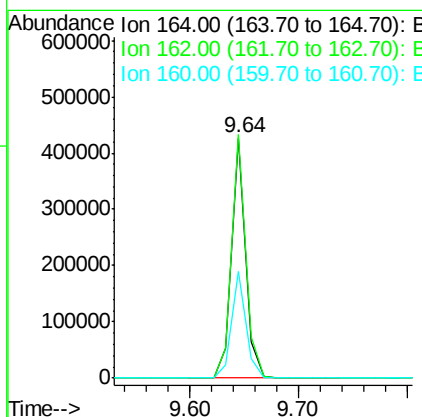
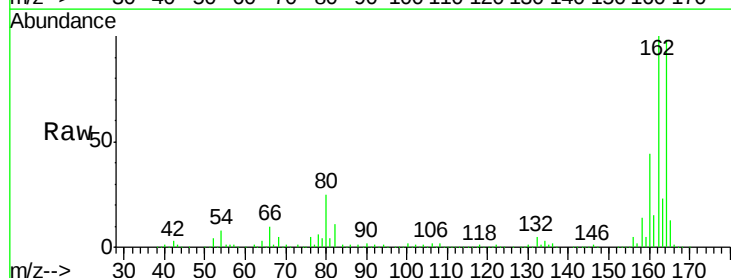
Instrument :
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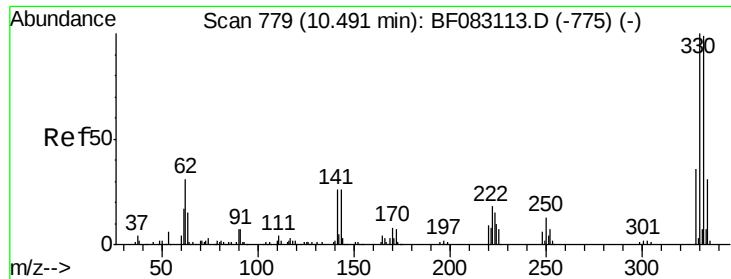
Tgt Ion: 82 Resp: 1540584
 Ion Ratio Lower Upper
 82 100
 128 36.1 28.5 42.7
 54 56.5 44.6 67.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.64 min Scan# 670
 Delta R.T. -0.06 min
 Lab File: BF083260.D
 Acq: 25 Nov 2015 2:34

Tgt Ion: 164 Resp: 375924
 Ion Ratio Lower Upper
 164 100
 162 101.5 81.2 121.8
 160 44.5 35.6 53.4

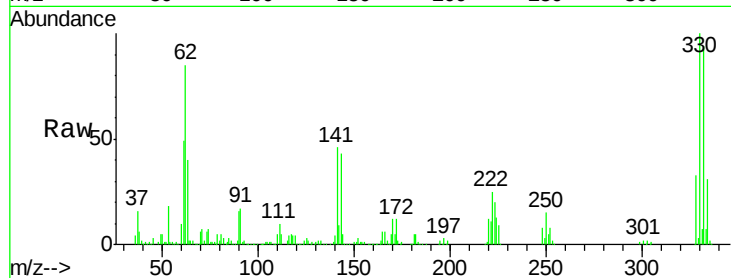




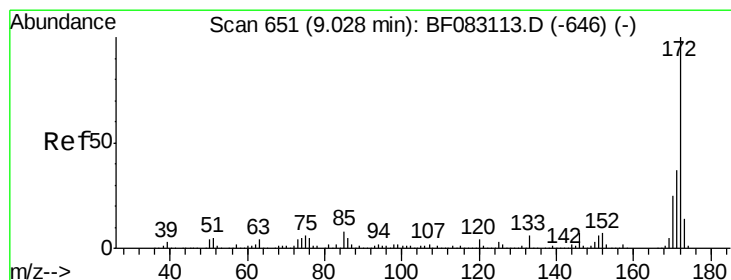
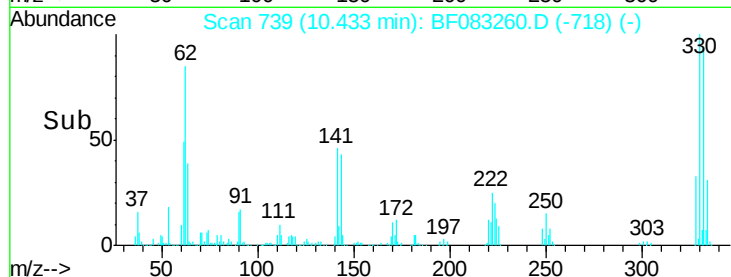
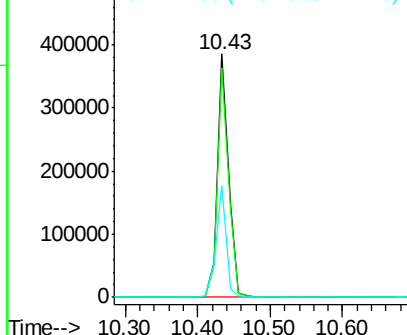
#41
 2,4,6-Tribromophenol
 Concen: 107.73 ng
 RT: 10.43 min Scan# 739
 Delta R.T. -0.06 min
 Lab File: BF083260.D
 Acq: 25 Nov 2015 2:34

Instrument :
 BNA_F
 ClientSampleId :
 SS-1579RE

Tgt Ion:330 Resp: 414320
 Ion Ratio Lower Upper
 330 100
 332 93.5 77.7 116.5
 141 41.7 29.7 44.5

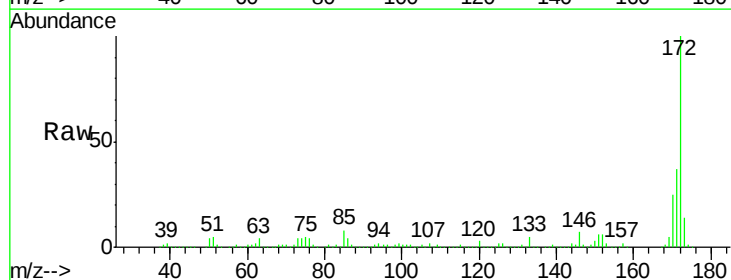


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

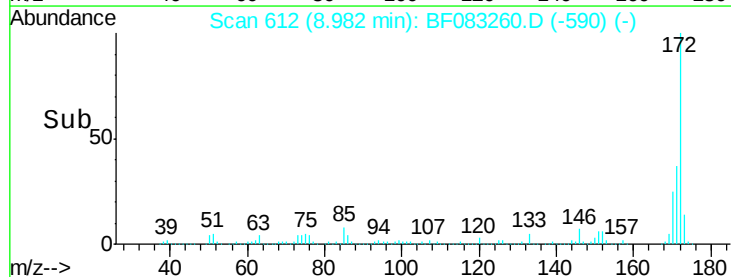
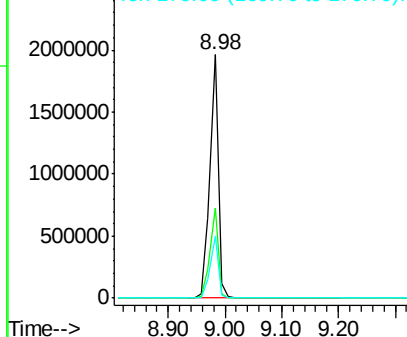


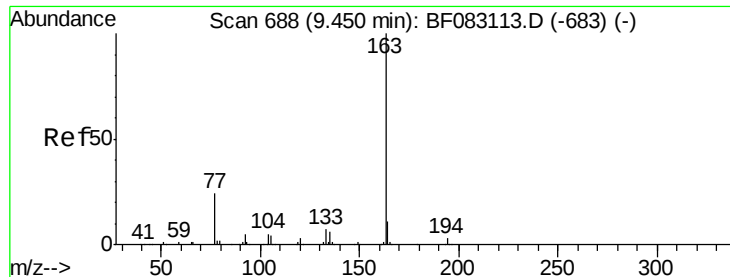
#44
 2-Fluorobiphenyl
 Concen: 70.95 ng
 RT: 8.98 min Scan# 612
 Delta R.T. -0.05 min
 Lab File: BF083260.D
 Acq: 25 Nov 2015 2:34

Tgt Ion:172 Resp: 1912648
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.5 44.3
 170 25.3 19.9 29.9



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

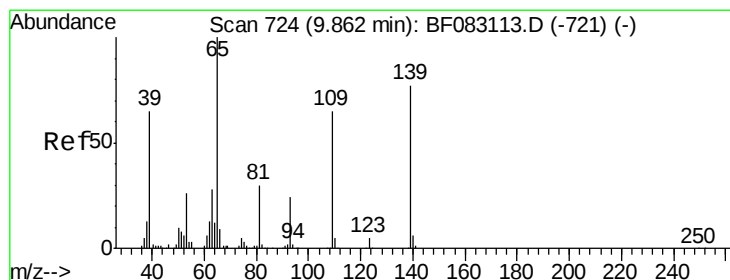
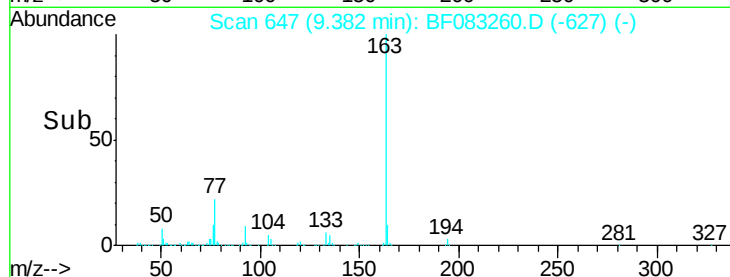
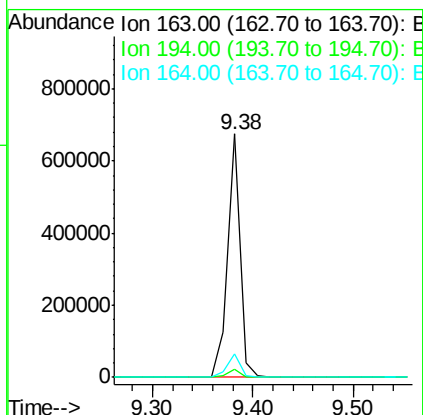
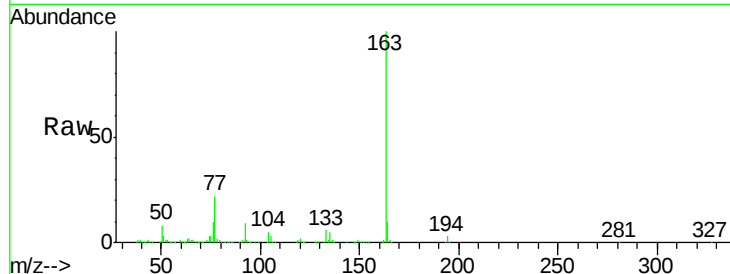




#49
Dimethylphthalate
Concen: 20.30 ng
RT: 9.38 min Scan# 647
Delta R.T. -0.07 min
Lab File: BF083260.D
Acq: 25 Nov 2015 2:34

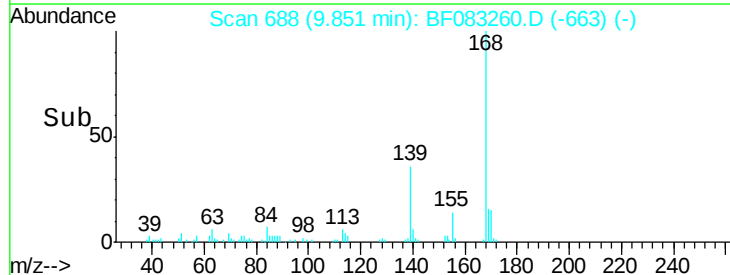
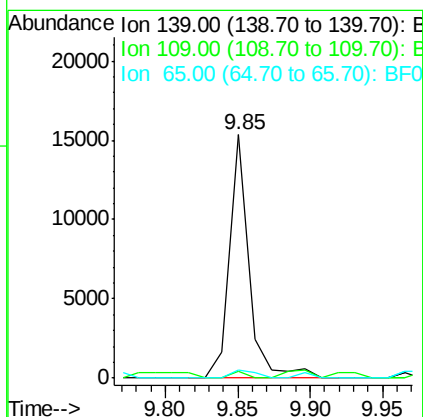
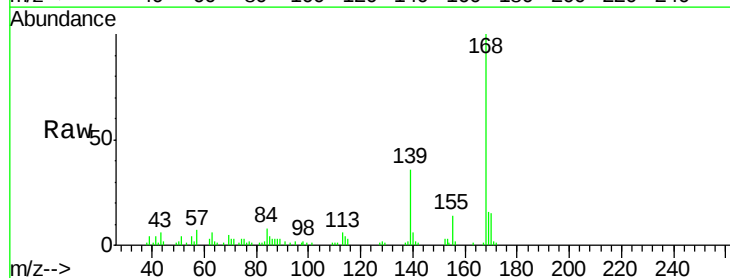
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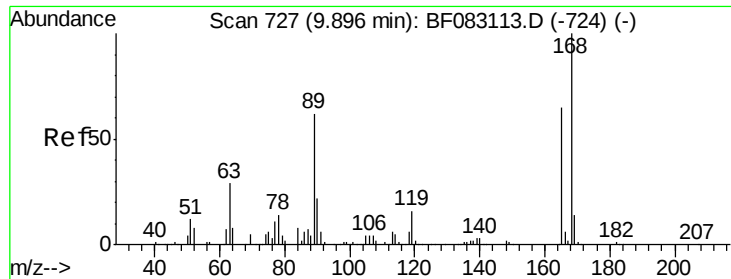
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	9.8	8.6	12.8



#55
4-Nitrophenol
Concen: 2.72 ng
RT: 9.85 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF083260.D
Acq: 25 Nov 2015 2:34

Tgt Ion	Ratio	Lower	Upper
139	100		
109	3.0	64.0	104.0#
65	3.5	109.5	149.5#

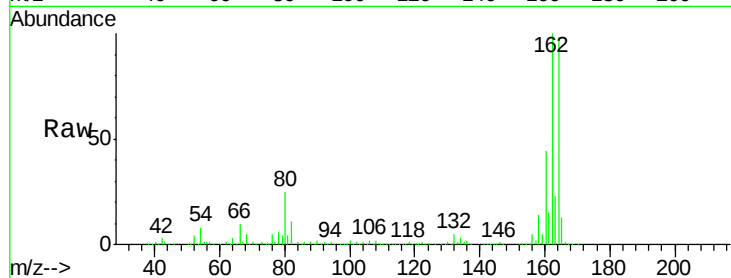




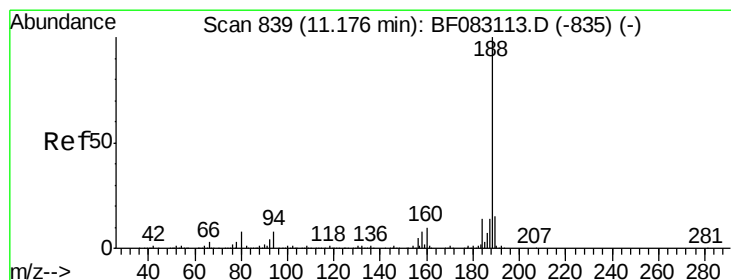
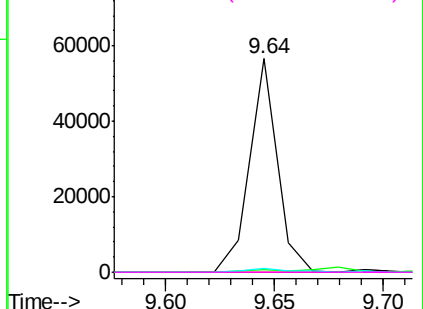
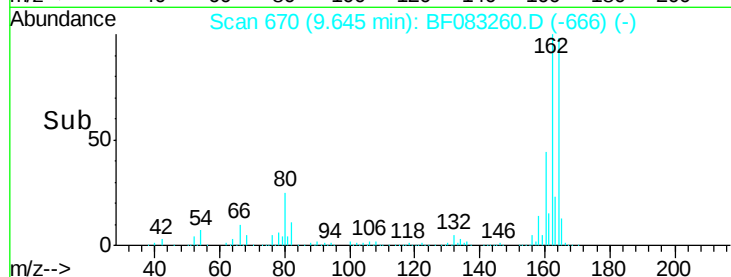
#56
2,4-Dinitrotoluene
Concen: 6.10 ng
RT: 9.64 min Scan# 670
Delta R.T. -0.25 min
Lab File: BF083260.D
Acq: 25 Nov 2015 2:34

Instrument :
BNA_F
ClientSampleId :
SS-1579RE

Tgt Ion:165 Resp: 50224
Ion Ratio Lower Upper
165 100
63 1.5 54.5 81.7#
89 1.7 77.3 115.9#
182 0.0 1.8 2.6#

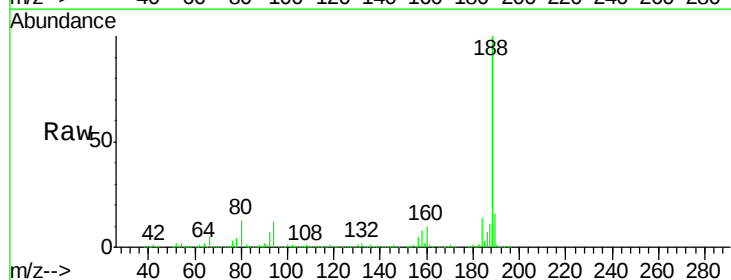


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

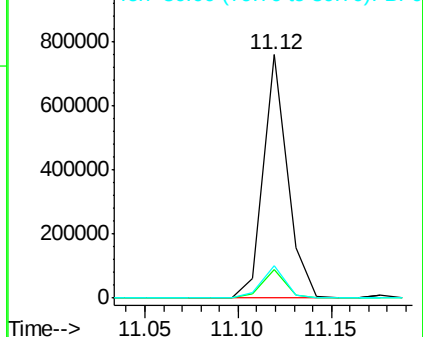
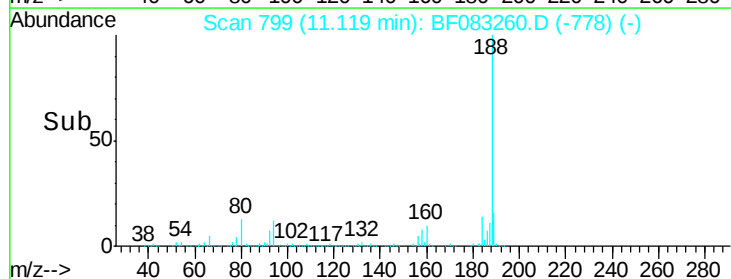


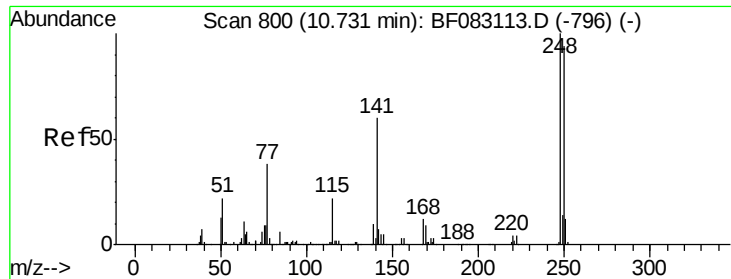
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 799
Delta R.T. -0.06 min
Lab File: BF083260.D
Acq: 25 Nov 2015 2:34

Tgt Ion:188 Resp: 678092
Ion Ratio Lower Upper
188 100
94 11.5 6.0 9.0#
80 13.3 6.7 10.1#



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

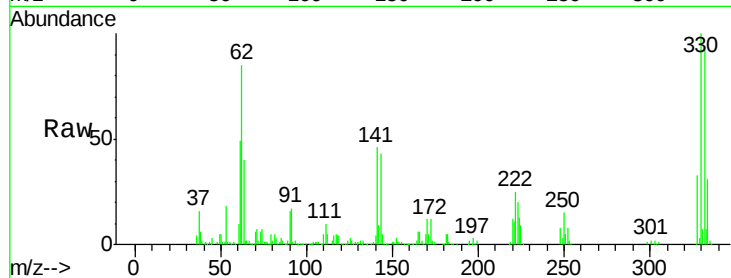




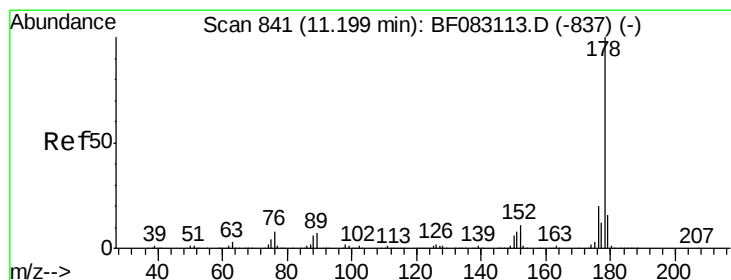
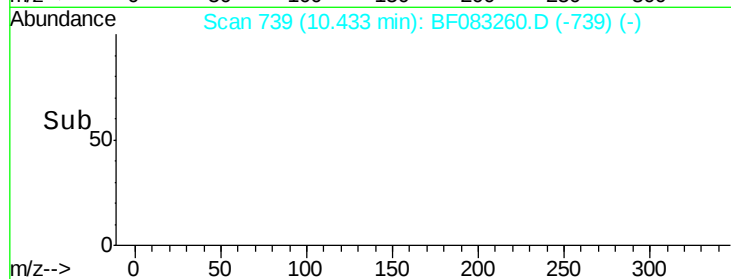
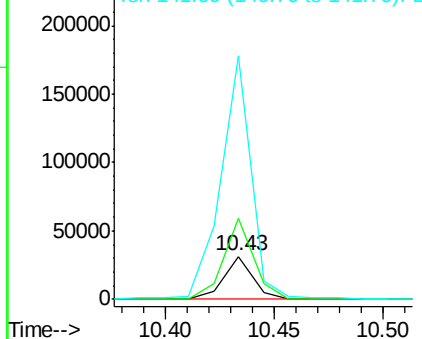
#66
 4-Bromophenyl-phenylether
 Concen: 3.90 ng
 RT: 10.43 min Scan# 739
 Delta R.T. -0.30 min
 Lab File: BF083260.D
 Acq: 25 Nov 2015 2:34

Instrument :
 BNA_F
 ClientSampleId :
 SS-1579RE

Tgt Ion: 248 Resp: 29324
 Ion Ratio Lower Upper
 248 100
 250 189.1 75.4 113.2#
 141 567.6 48.1 72.1#

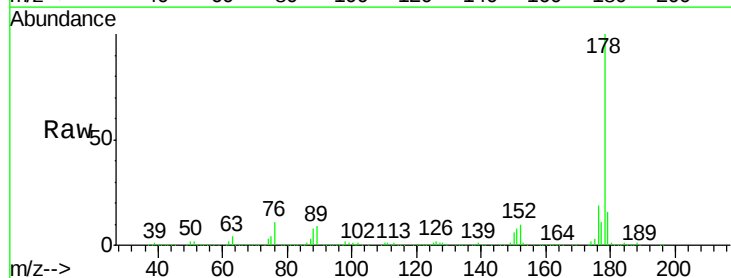


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

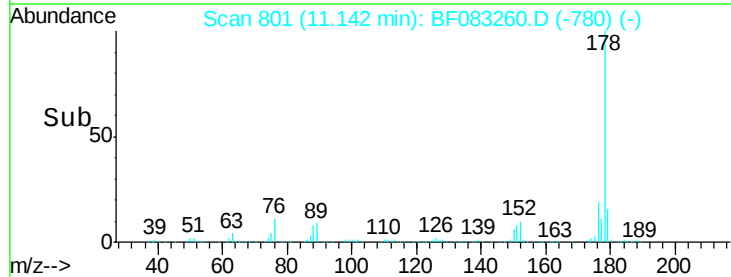
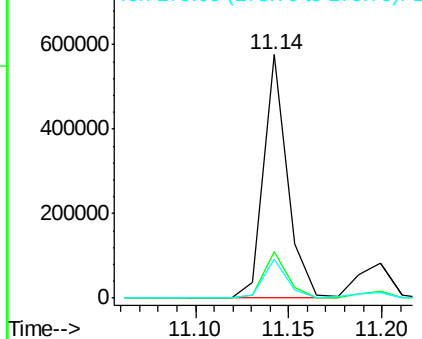


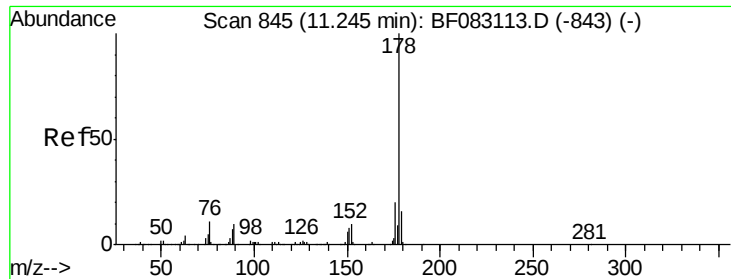
#70
 Phenanthrene
 Concen: 13.21 ng
 RT: 11.14 min Scan# 801
 Delta R.T. -0.06 min
 Lab File: BF083260.D
 Acq: 25 Nov 2015 2:34

Tgt Ion: 178 Resp: 515964
 Ion Ratio Lower Upper
 178 100
 176 19.4 16.2 24.2
 179 15.9 12.8 19.2



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: 2.55 ng

RT: 11.20 min Scan# 806

Delta R.T. -0.05 min

Lab File: BF083260.D

Acq: 25 Nov 2015 2:34

Instrument :

BNA_F

ClientSampleId :

SS-1579RE

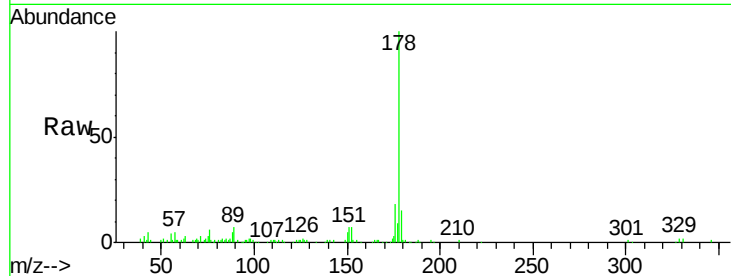
Tgt Ion:178 Resp: 101763

Ion Ratio Lower Upper

178 100

176 18.2 15.6 23.4

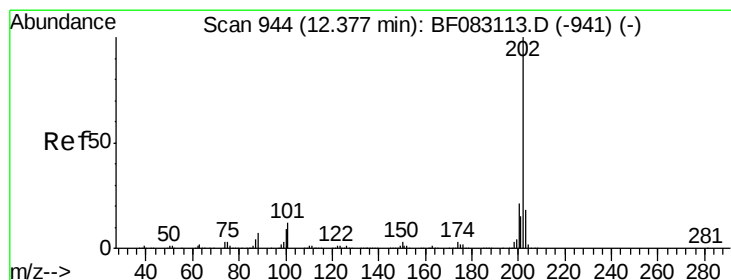
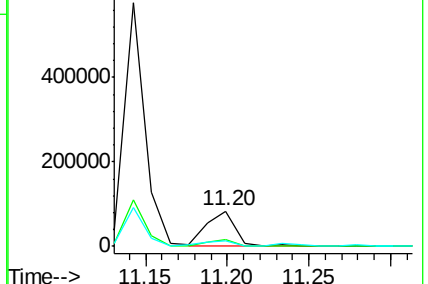
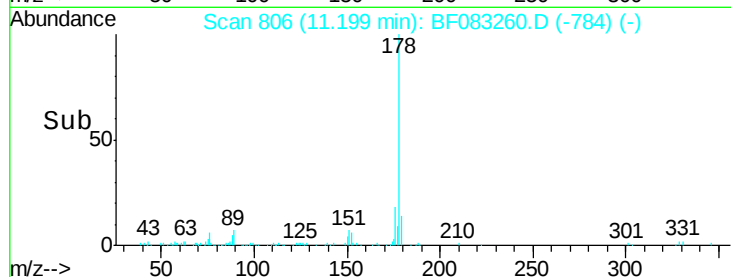
179 14.8 13.2 19.8



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: 22.53 ng

RT: 12.33 min Scan# 905

Delta R.T. -0.05 min

Lab File: BF083260.D

Acq: 25 Nov 2015 2:34

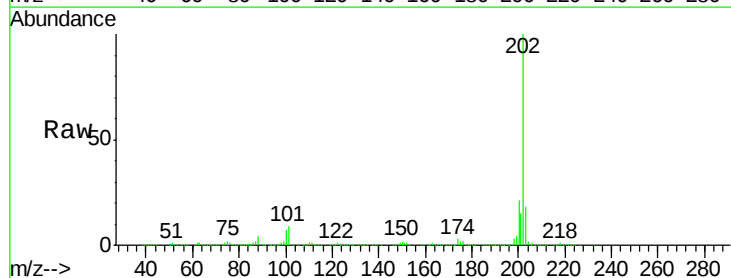
Tgt Ion:202 Resp: 900741

Ion Ratio Lower Upper

202 100

101 8.7 0.0 32.3

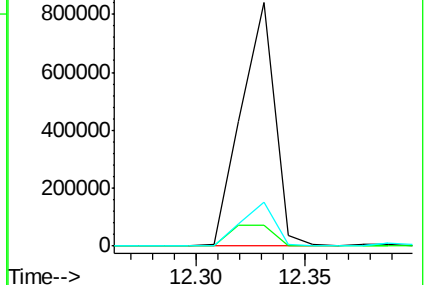
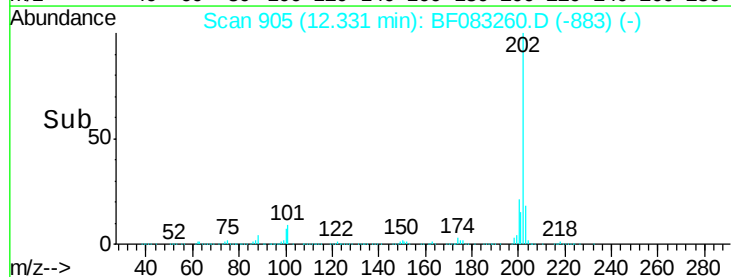
203 18.0 0.0 38.4

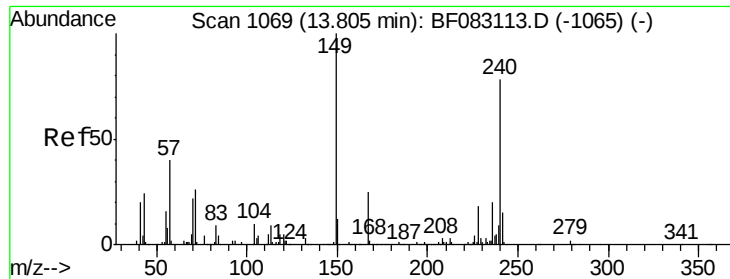


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.75 min Scan# 1029

Delta R.T. -0.06 min

Lab File: BF083260.D

Acq: 25 Nov 2015 2:34

Instrument :

BNA_F

ClientSampleId :

SS-1579RE

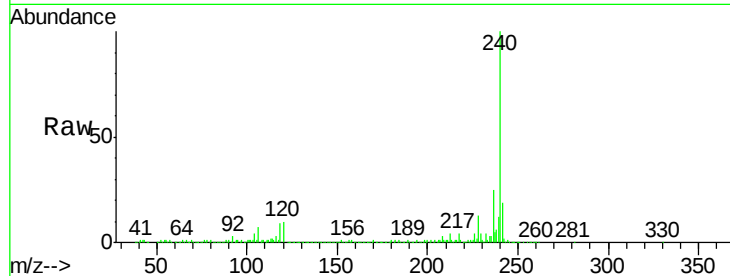
Tgt Ion:240 Resp: 480225

Ion Ratio Lower Upper

240 100

120 9.8 5.4 8.2#

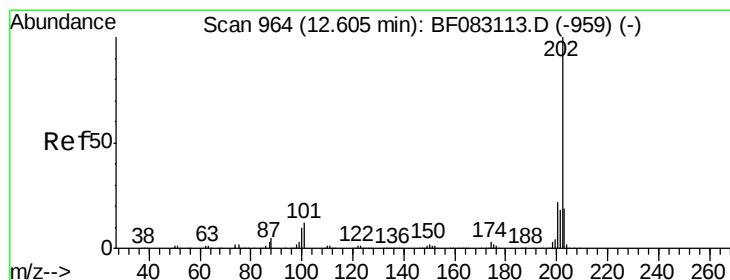
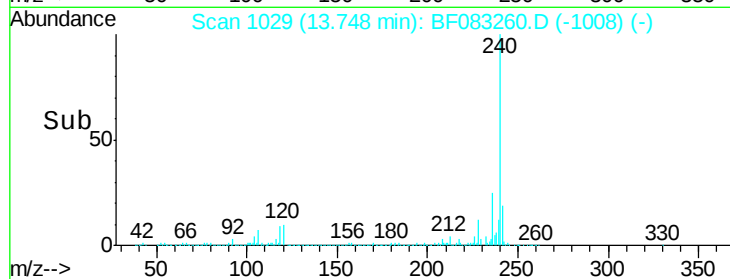
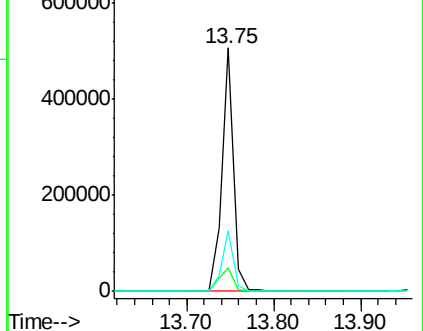
236 25.1 20.6 31.0



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: 20.79 ng

RT: 12.55 min Scan# 924

Delta R.T. -0.06 min

Lab File: BF083260.D

Acq: 25 Nov 2015 2:34

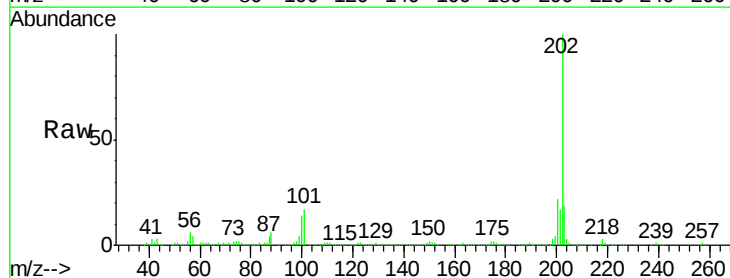
Tgt Ion:202 Resp: 682028

Ion Ratio Lower Upper

202 100

200 21.5 17.8 26.6

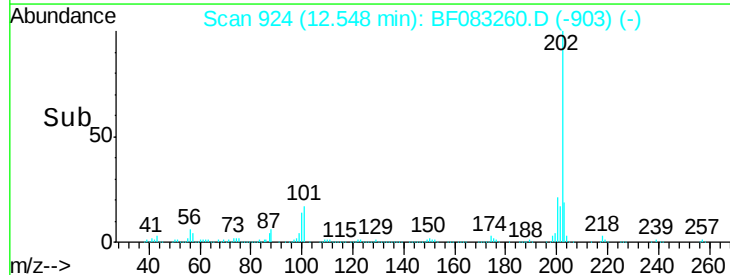
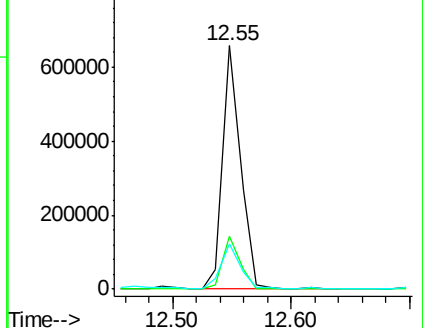
203 18.8 15.0 22.4

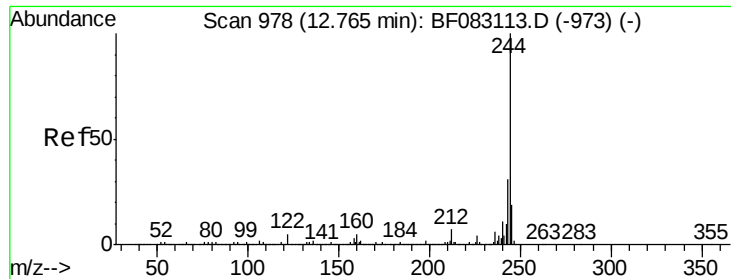


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

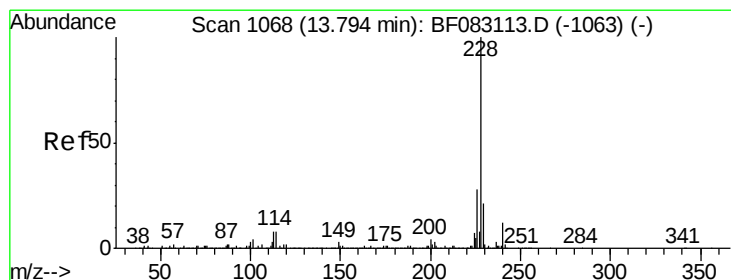
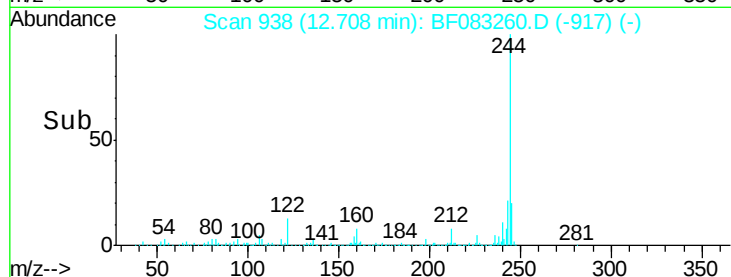
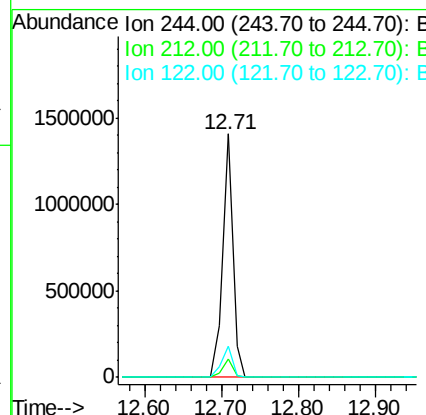
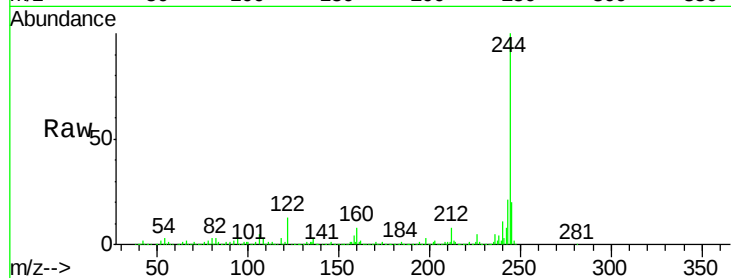




#78
 Terphenyl-d14
 Concen: 64.25 ng
 RT: 12.71 min Scan# 938
 Delta R.T. -0.06 min
 Lab File: BF083260.D
 Acq: 25 Nov 2015 2:34

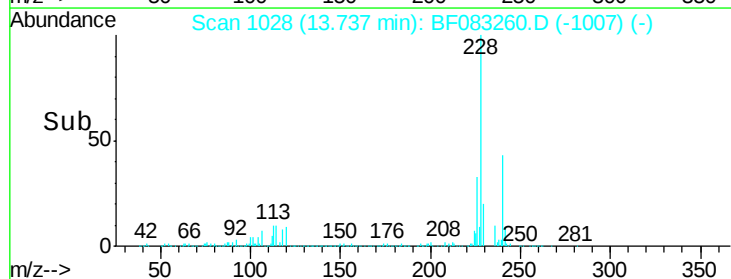
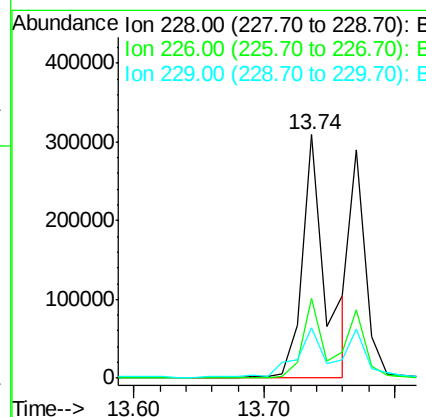
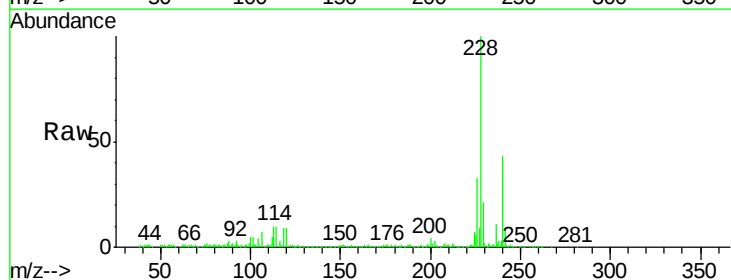
Instrument :
 BNA_F
 ClientSampleId :
 SS-1579RE

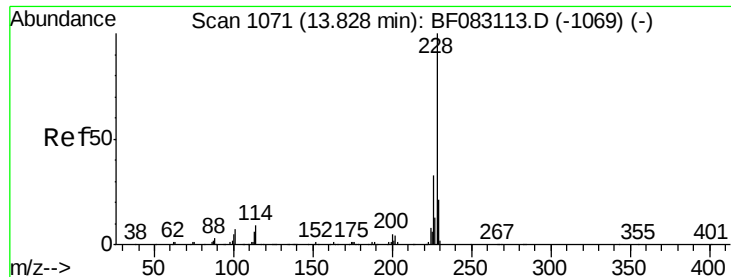
Tgt Ion:244 Resp: 1310186
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.4 8.2
 122 12.7 4.3 6.5#



#80
 Benzo(a)anthracene
 Concen: 12.75 ng
 RT: 13.74 min Scan# 1028
 Delta R.T. -0.06 min
 Lab File: BF083260.D
 Acq: 25 Nov 2015 2:34

Tgt Ion:228 Resp: 378649
 Ion Ratio Lower Upper
 228 100
 226 32.7 22.6 33.8
 229 20.9 16.6 24.8





#82

Chrysene

Concen: 13.75 ng

RT: 13.74 min Scan# 1028

Delta R.T. -0.09 min

Lab File: BF083260.D

Acq: 25 Nov 2015 2:34

Instrument :

BNA_F

ClientSampleId :

SS-1579RE

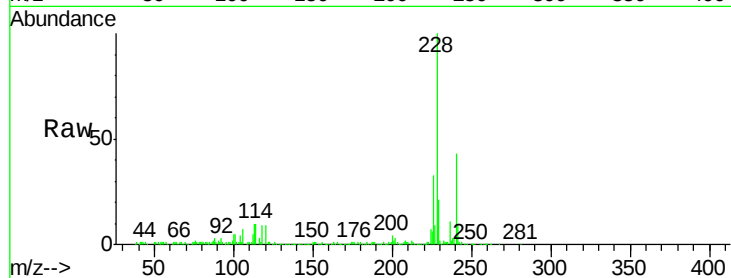
Tgt Ion:228 Resp: 378649

Ion Ratio Lower Upper

228 100

226 32.7 25.5 38.3

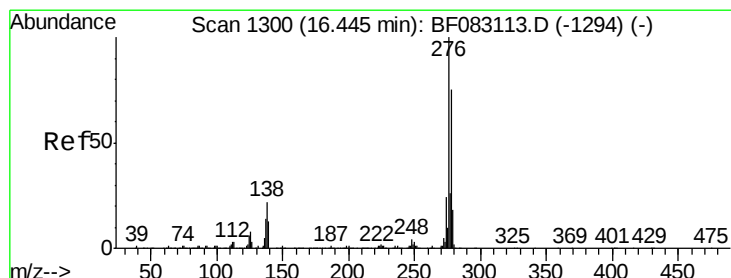
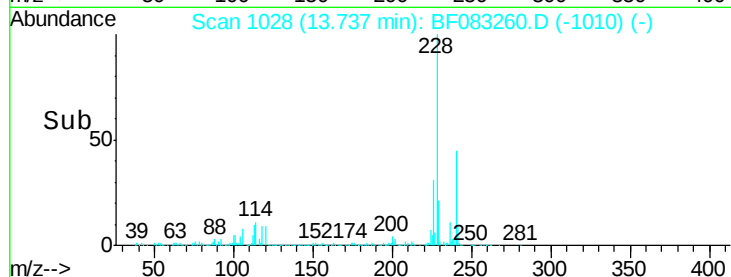
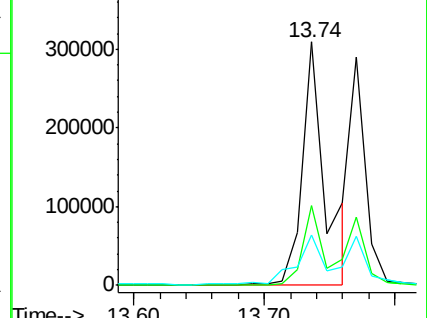
229 20.9 16.6 25.0



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: 7.23 ng

RT: 16.34 min Scan# 1256

Delta R.T. -0.10 min

Lab File: BF083260.D

Acq: 25 Nov 2015 2:34

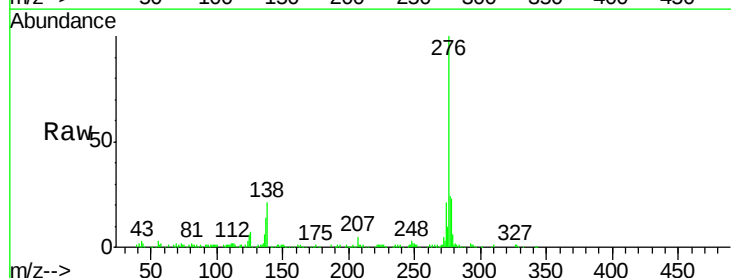
Tgt Ion:276 Resp: 181104

Ion Ratio Lower Upper

276 100

138 20.3 18.0 27.0

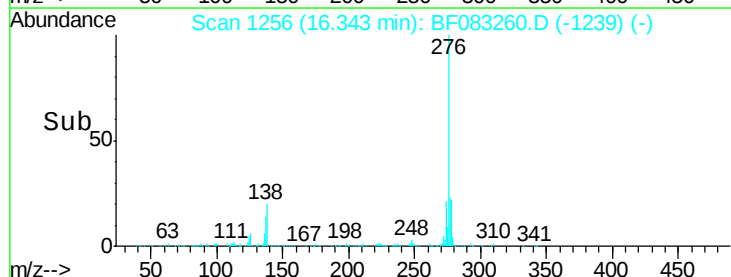
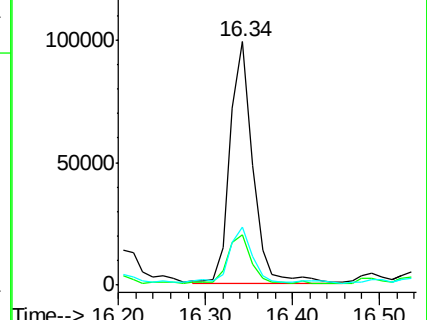
277 23.6 20.2 30.4

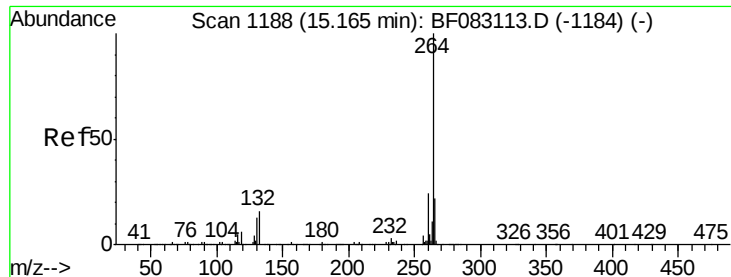


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



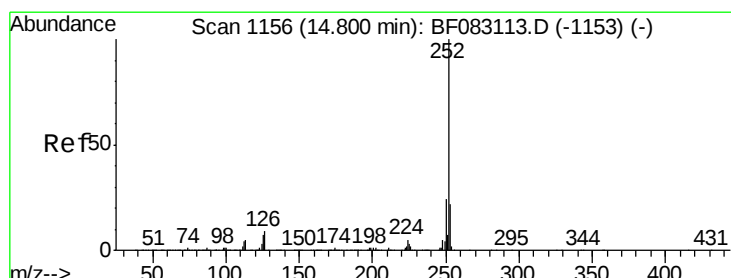
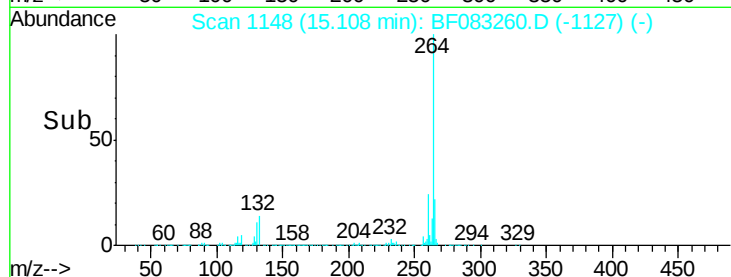
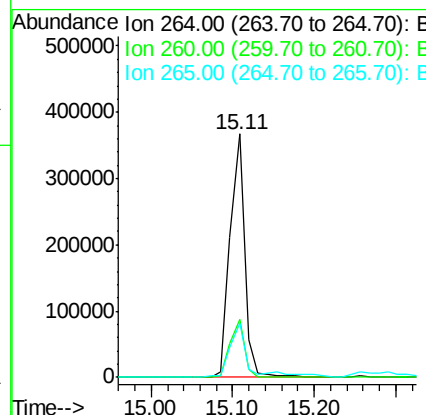
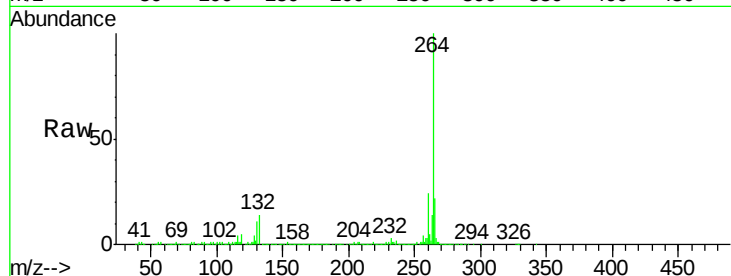


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1148
Delta R.T. -0.06 min
Lab File: BF083260.D
Acq: 25 Nov 2015 2:34

Instrument :
BNA_F
ClientSampleId :
SS-1579RE

Tgt Ion: 264 Resp: 458702

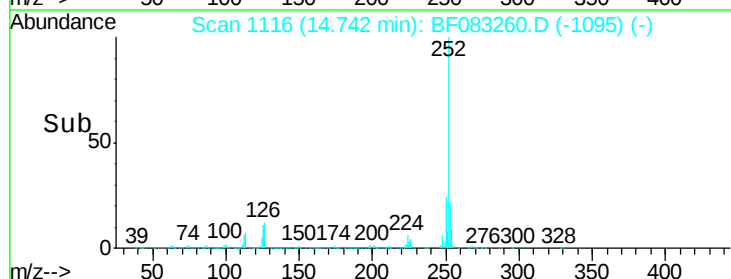
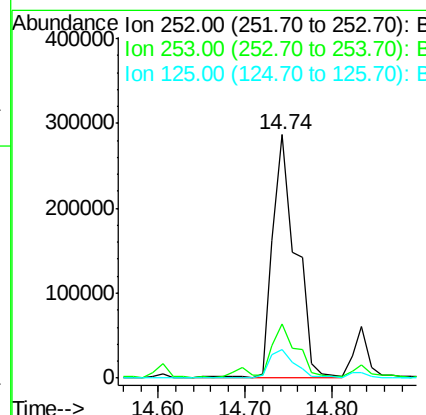
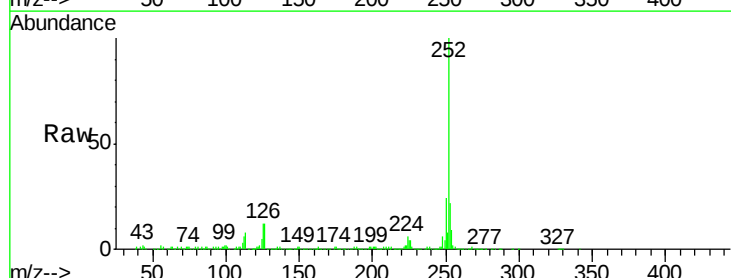
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.1	28.7
265	22.4	18.2	27.4

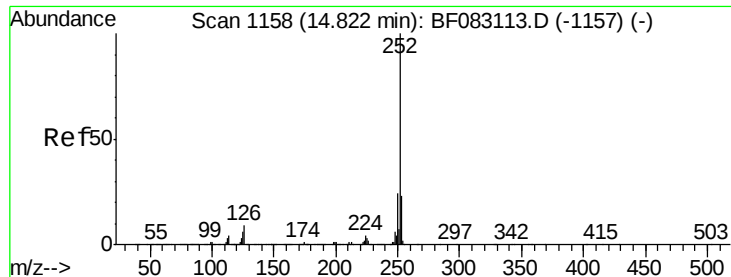


#87
Benzo(b)fluoranthene
Concen: 16.88 ng
RT: 14.74 min Scan# 1116
Delta R.T. -0.06 min
Lab File: BF083260.D
Acq: 25 Nov 2015 2:34

Tgt Ion: 252 Resp: 528912

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	11.5	5.6	8.4#

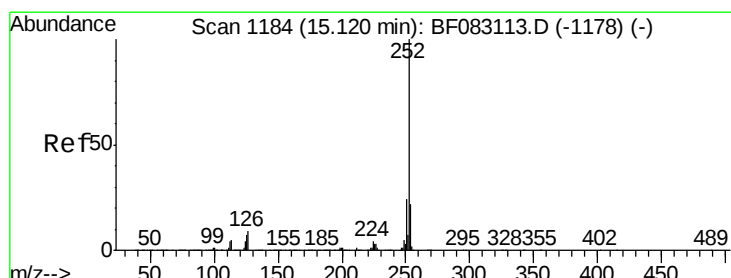
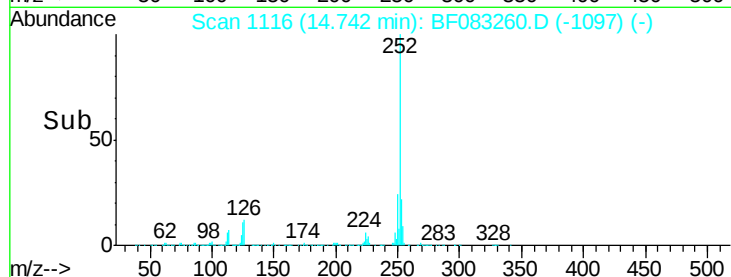
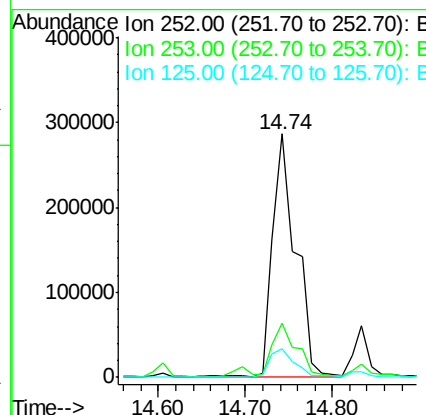
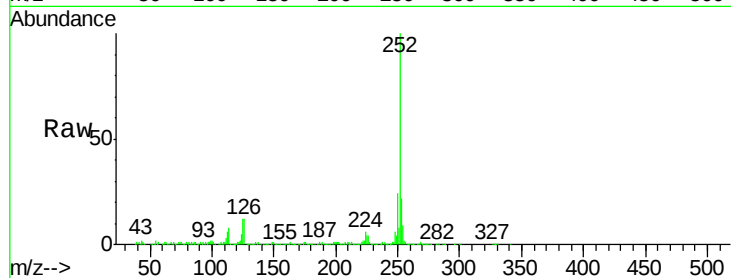




#88
Benzo(k)fluoranthene
Concen: 22.65 ng
RT: 14.74 min Scan# 1116
Delta R.T. -0.08 min
Lab File: BF083260.D
Acq: 25 Nov 2015 2:34

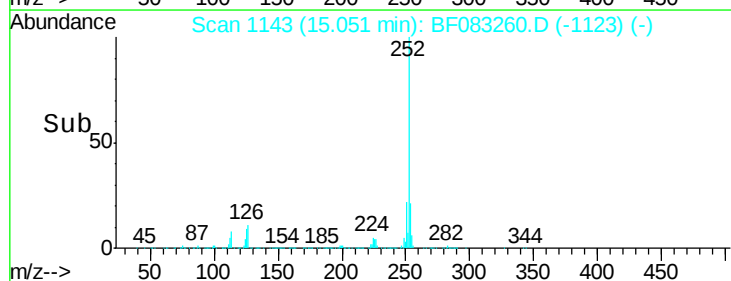
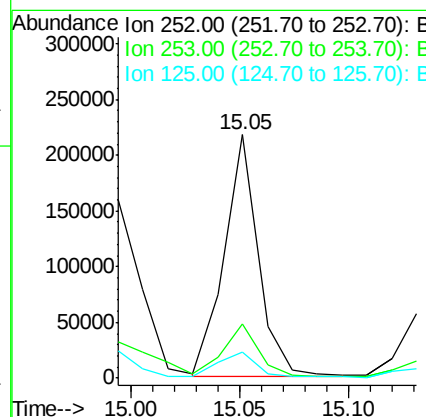
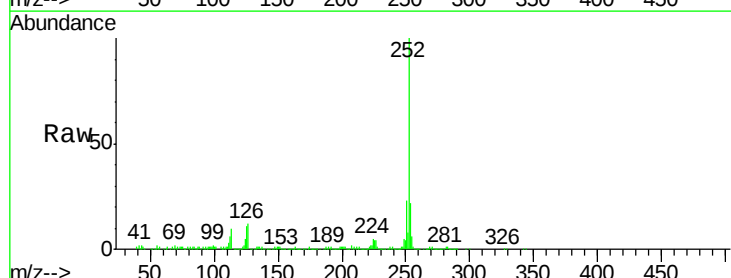
Instrument :
BNA_F
ClientSampleId :
SS-1579RE

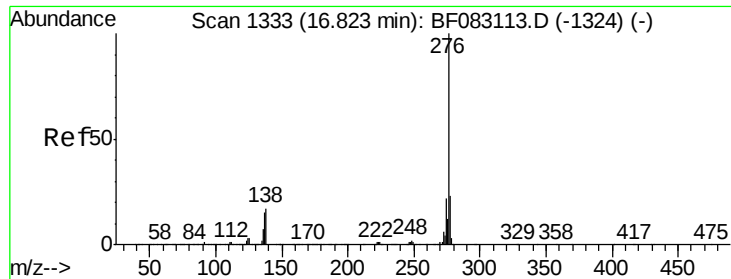
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	11.5	6.8	10.2



#89
Benzo(a)pyrene
Concen: 9.15 ng
RT: 15.05 min Scan# 1143
Delta R.T. -0.07 min
Lab File: BF083260.D
Acq: 25 Nov 2015 2:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	10.6	5.4	8.0





#91

Benzo(g,h,i)perylene

Concen: 6.63 ng

RT: 16.71 min Scan# 1288

Delta R.T. -0.11 min

Lab File: BF083260.D

Acq: 25 Nov 2015 2:34

Instrument :

BNA_F

ClientSampleId :

SS-1579RE

Tgt Ion: 276 Resp: 152229

Ion Ratio Lower Upper

276 100

277 22.9 18.7 28.1

138 20.7 13.9 20.9

