

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112415\
 Data File : BF083262.D
 Acq On : 25 Nov 2015 3:33
 Operator : UM/IZ
 Sample : G4440-01RE 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 V1S1

Quant Time: Nov 25 05:08:56 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	203617	20.00	ng	-0.06
21) Naphthalene-d8	7.90	136	772340	20.00	ng	-0.06
38) Acenaphthene-d10	9.64	164	368843	20.00	ng	-0.06
63) Phenanthrene-d10	11.12	188	601583	20.00	ng	-0.06
75) Chrysene-d12	13.75	240	473504	20.00	ng	-0.06
86) Perylene-d12	15.11	264	477668	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	265668	19.73	ng	-0.08
7) Phenol-d6	6.27	99	360908	20.71	ng	-0.07
23) Nitrobenzene-d5	7.18	82	228812	13.54	ng	-0.06
41) 2,4,6-Tribromophenol	10.43	330	68821	18.24	ng	-0.06
44) 2-Fluorobiphenyl	8.98	172	338090	12.78	ng	-0.05
78) Terphenyl-d14	12.71	244	239067	11.89	ng	-0.06

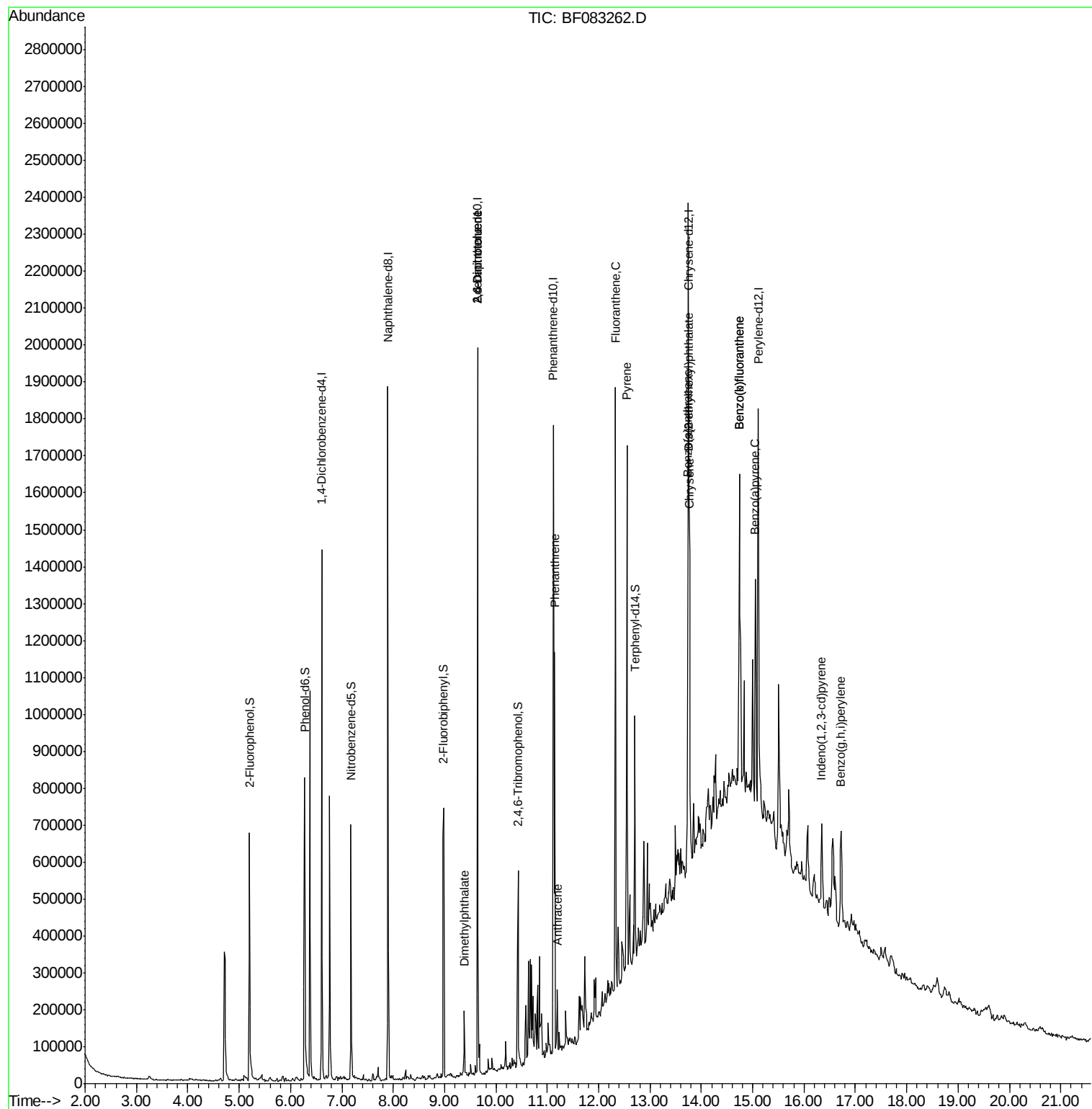
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.17	77	805	Below Cal	#	74
49) Dimethylphthalate	9.38	163	68577	2.41	ng	99
50) 2,6-Dinitrotoluene	9.64	165	48422	7.60	ng	13
56) 2,4-Dinitrotoluene	9.64	165	48990	6.07	ng	10
70) Phenanthrene	11.14	178	385195	11.11	ng	99
71) Anthracene	11.20	178	95164	2.69	ng	96
74) Fluoranthene	12.33	202	804908	22.69	ng	95
77) Pyrene	12.55	202	602104	18.61	ng	97
80) Benzo(a)anthracene	13.74	228	278783	9.52	ng	99
82) Chrysene	13.77	228	274256	10.10	ng	98
83) Bis(2-ethylhexyl)phthalate	13.76	149	158408	7.92	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.34	276	169467	6.86	ng	96
87) Benzo(b)fluoranthene	14.74	252	557331	17.08	ng	# 96
88) Benzo(k)fluoranthene	14.74	252	557331	22.92	ng	# 96
89) Benzo(a)pyrene	15.05	252	258945	9.61	ng	# 93
91) Benzo(g,h,i)perylene	16.72	276	145791	6.10	ng	# 96

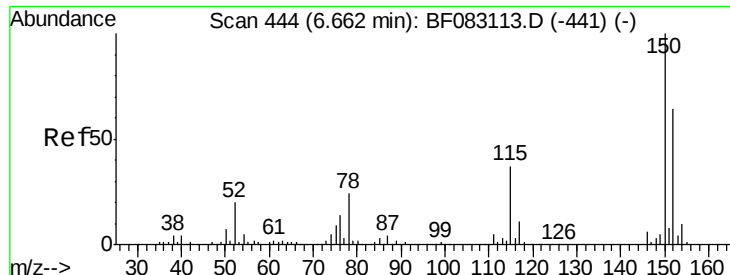
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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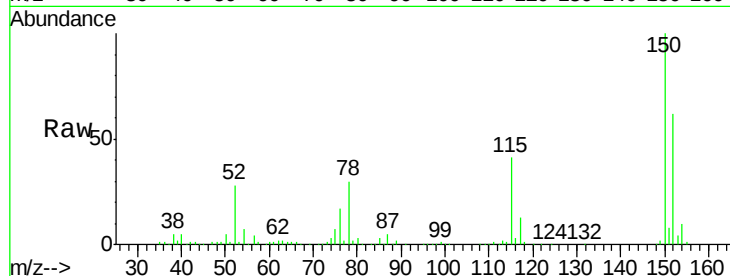




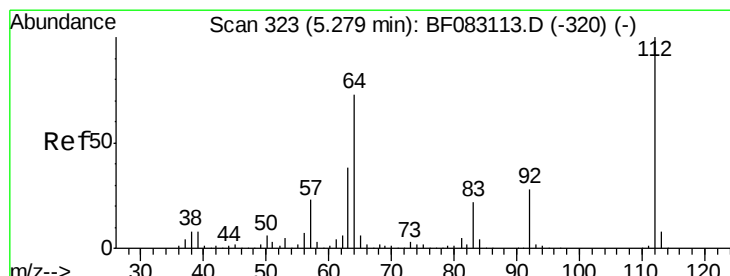
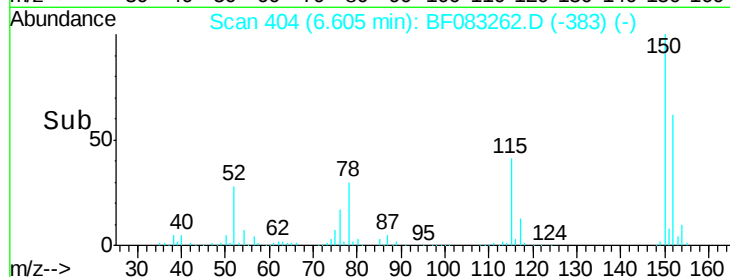
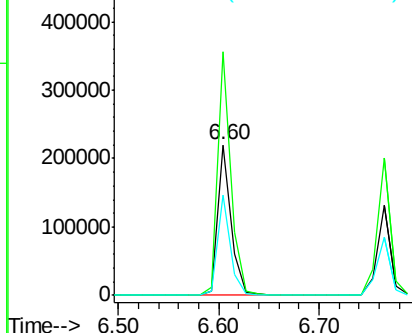
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.60 min Scan# 404
 Delta R.T. -0.06 min
 Lab File: BF083262.D
 Acq: 25 Nov 2015 3:33

Instrument :
 BNA_F
 ClientSampleId :
 V1S1

Tgt Ion:152 Resp: 203617
 Ion Ratio Lower Upper
 152 100
 150 162.0 125.8 188.8
 115 67.1 46.9 70.3

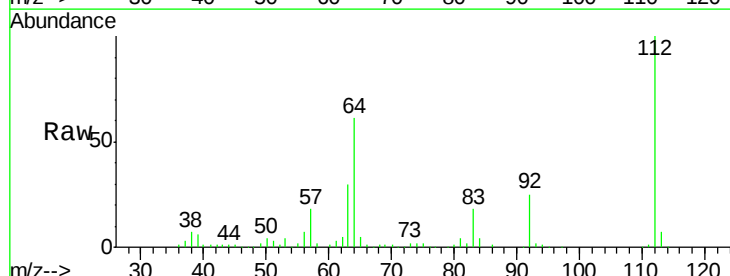


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

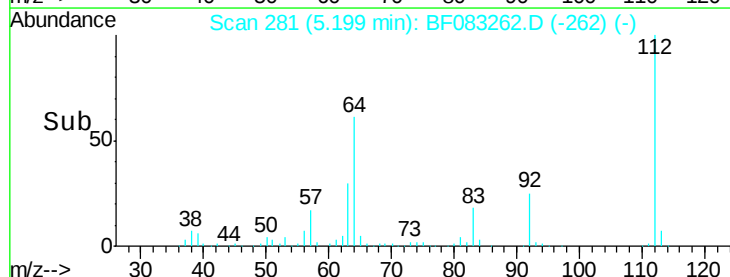
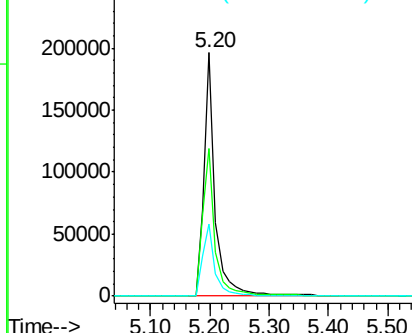


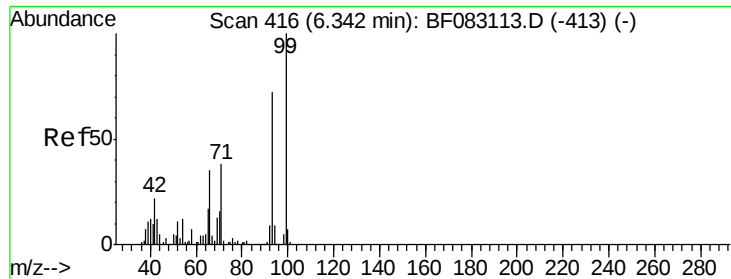
#5
 2-Fluorophenol
 Concen: 19.73 ng
 RT: 5.20 min Scan# 281
 Delta R.T. -0.08 min
 Lab File: BF083262.D
 Acq: 25 Nov 2015 3:33

Tgt Ion:112 Resp: 265668
 Ion Ratio Lower Upper
 112 100
 64 60.8 58.4 87.6
 63 29.8 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: 20.71 ng

RT: 6.27 min Scan# 375

Delta R.T. -0.07 min

Lab File: BF083262.D

Acq: 25 Nov 2015 3:33

Instrument :

BNA_F

ClientSampleId :

V1S1

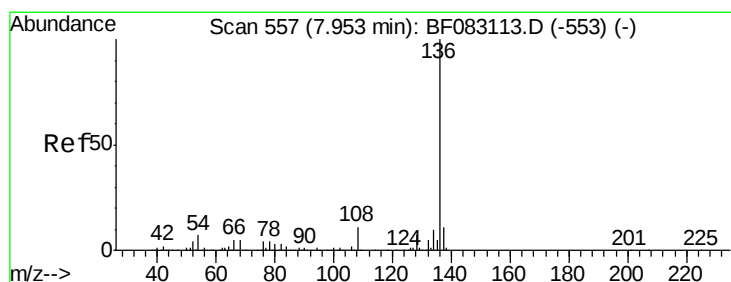
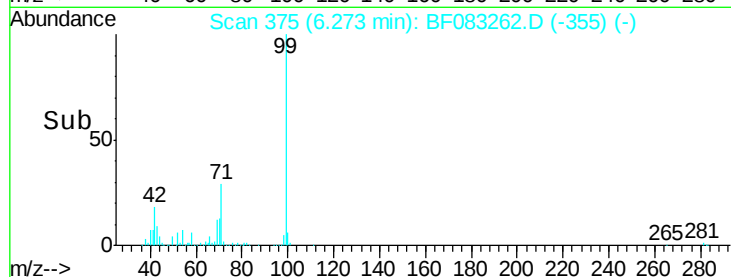
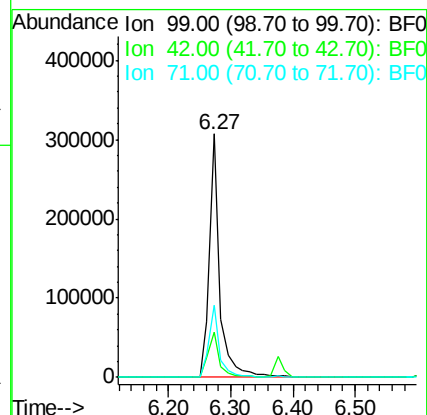
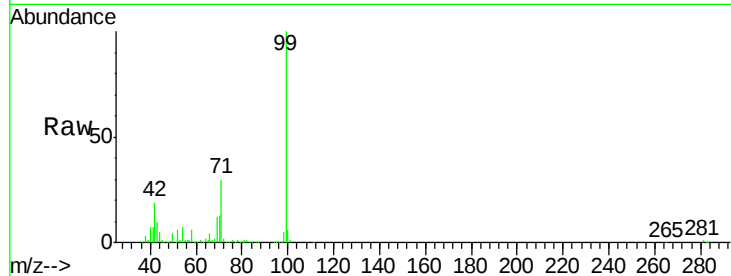
Tgt Ion: 99 Resp: 360908

Ion Ratio Lower Upper

99 100

42 18.5 17.7 26.5

71 29.6 30.2 45.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 517

Delta R.T. -0.06 min

Lab File: BF083262.D

Acq: 25 Nov 2015 3:33

Tgt Ion: 136 Resp: 772340

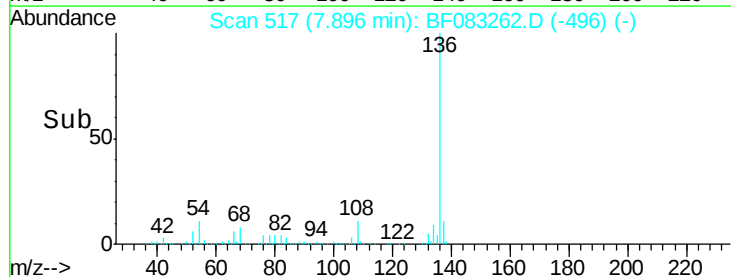
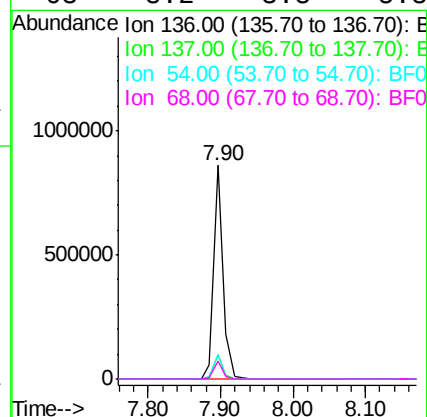
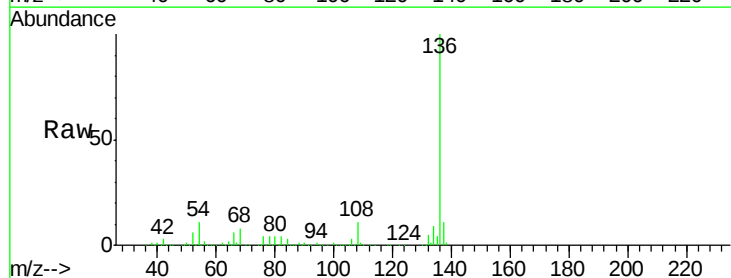
Ion Ratio Lower Upper

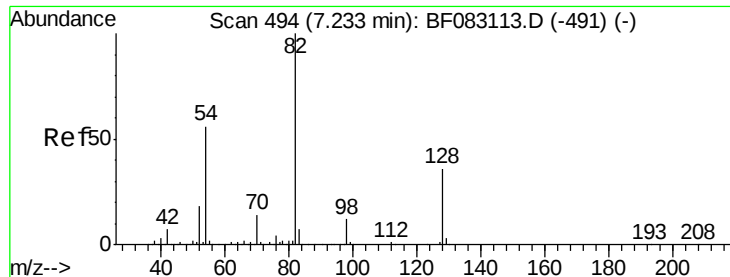
136 100

137 11.2 8.7 13.1

54 11.4 5.8 8.6#

68 8.2 3.8 5.8#

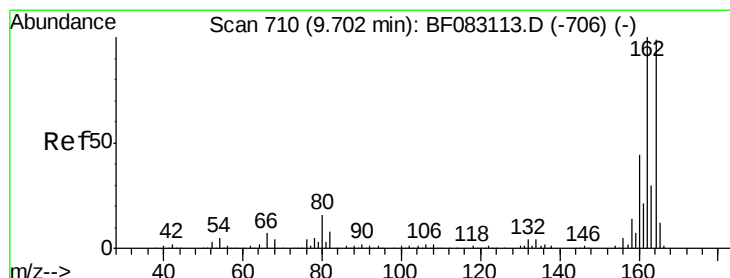
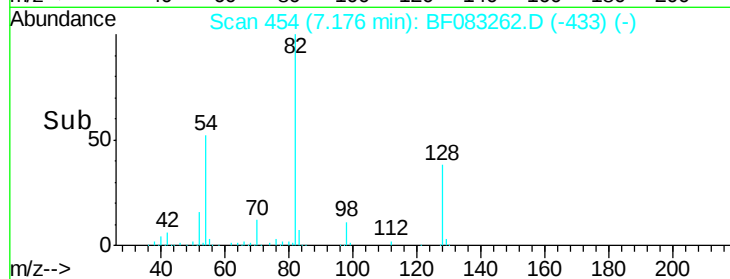
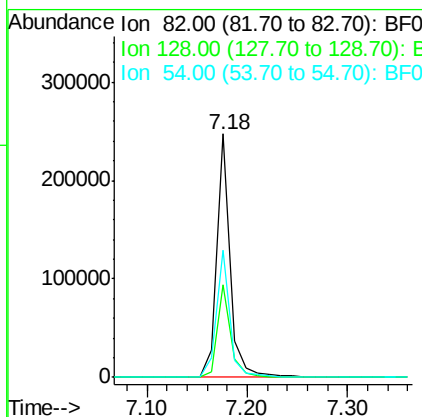
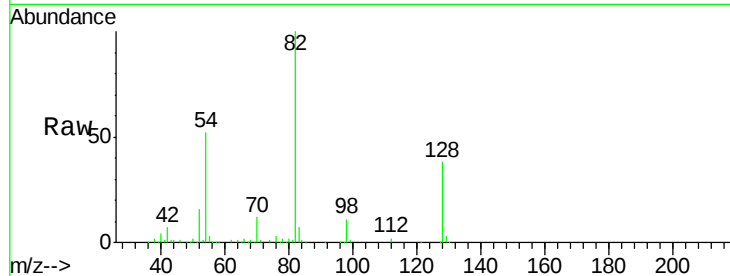




#23
 Nitrobenzene-d5
 Concen: 13.54 ng
 RT: 7.18 min Scan# 454
 Delta R.T. -0.06 min
 Lab File: BF083262.D
 Acq: 25 Nov 2015 3:33

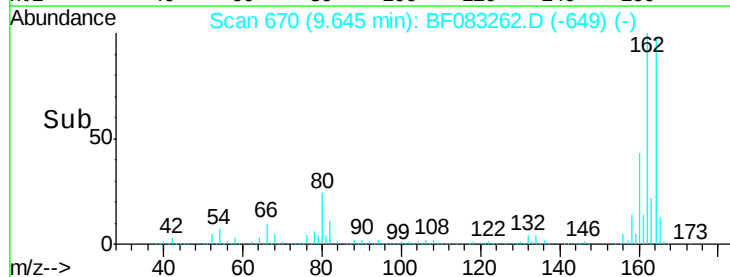
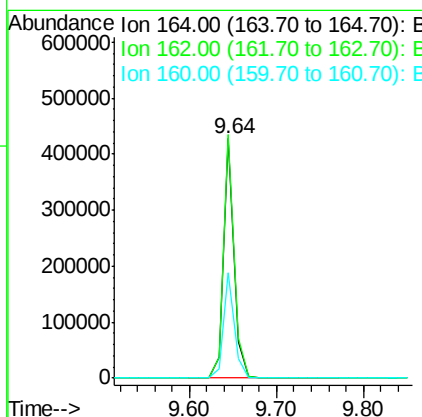
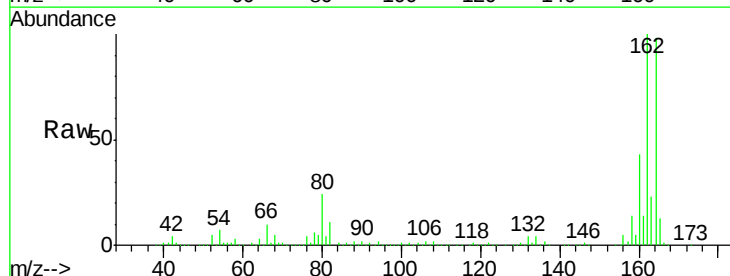
Instrument :
 BNA_F
 ClientSampleId :
 V1S1

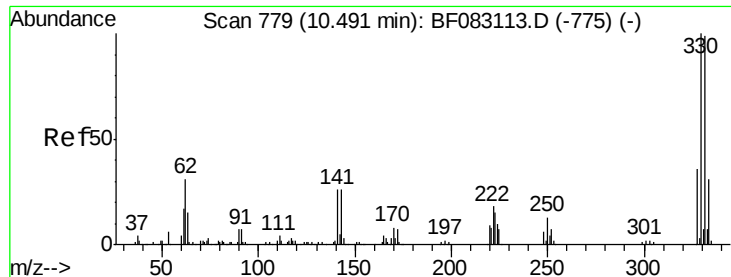
Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.2	28.5	42.7
54	52.0	44.6	67.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.64 min Scan# 670
 Delta R.T. -0.06 min
 Lab File: BF083262.D
 Acq: 25 Nov 2015 3:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.2	121.8
160	43.9	35.6	53.4

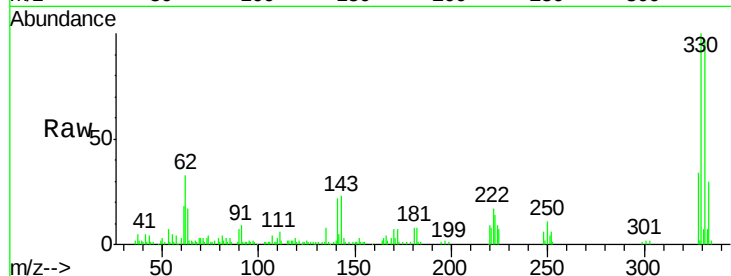




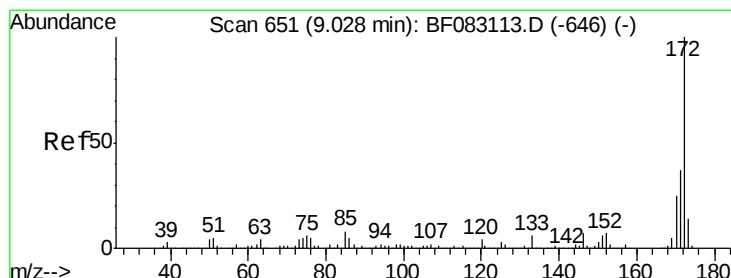
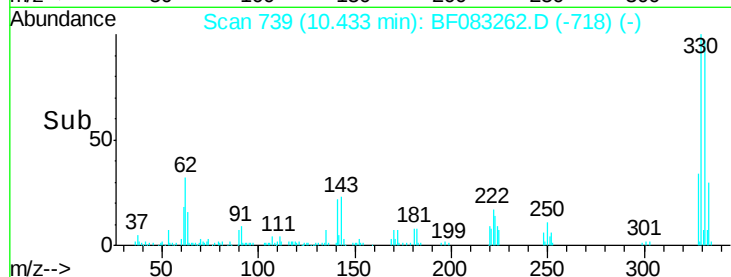
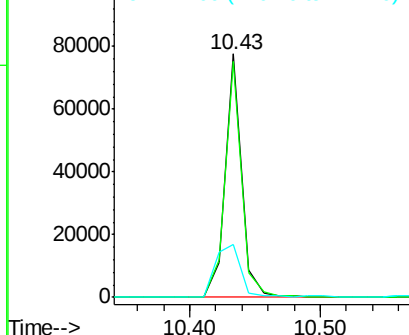
#41
 2,4,6-Tribromophenol
 Concen: 18.24 ng
 RT: 10.43 min Scan# 739
 Delta R.T. -0.06 min
 Lab File: BF083262.D
 Acq: 25 Nov 2015 3:33

Instrument :
 BNA_F
 ClientSampleId :
 V1S1

Tgt Ion:330 Resp: 68821
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.7 116.5
 141 35.4 29.7 44.5

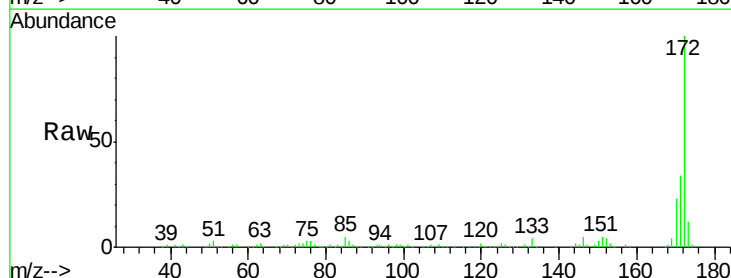


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

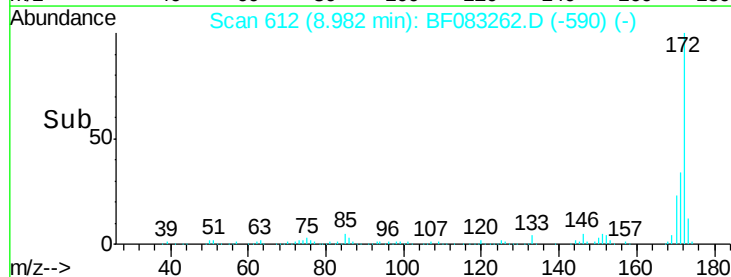
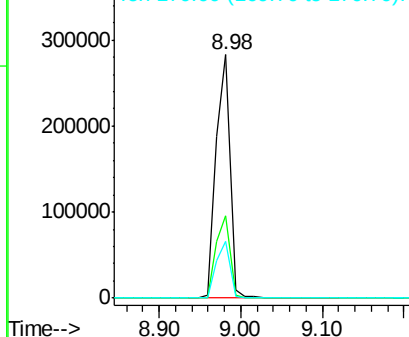


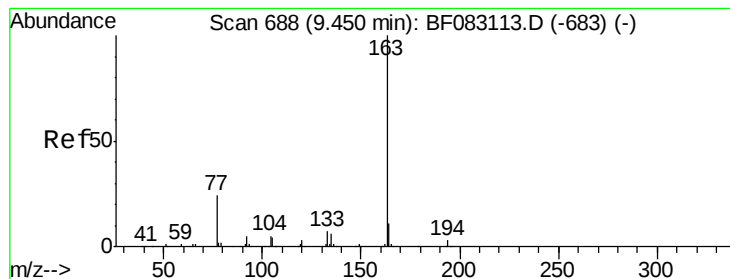
#44
 2-Fluorobiphenyl
 Concen: 12.78 ng
 RT: 8.98 min Scan# 612
 Delta R.T. -0.05 min
 Lab File: BF083262.D
 Acq: 25 Nov 2015 3:33

Tgt Ion:172 Resp: 338090
 Ion Ratio Lower Upper
 172 100
 171 33.7 29.5 44.3
 170 23.2 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: 2.41 ng

RT: 9.38 min Scan# 647

Delta R.T. -0.07 min

Lab File: BF083262.D

Acq: 25 Nov 2015 3:33

Instrument :

BNA_F

ClientSampleId :

V1S1

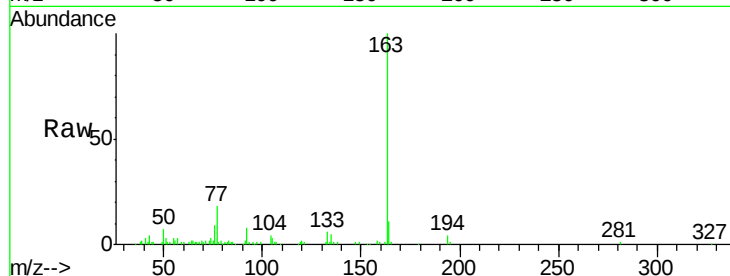
Tgt Ion:163 Resp: 68577

Ion Ratio Lower Upper

163 100

194 4.2 2.6 4.0#

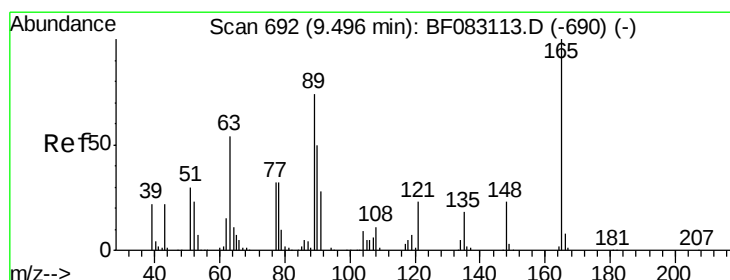
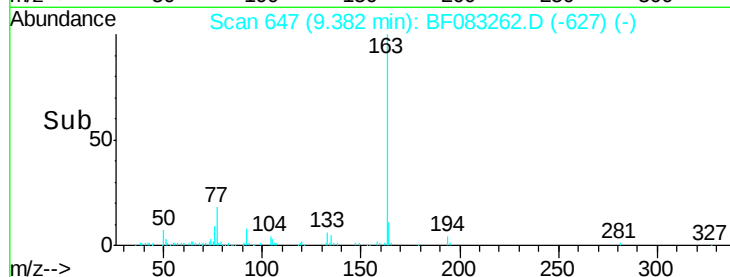
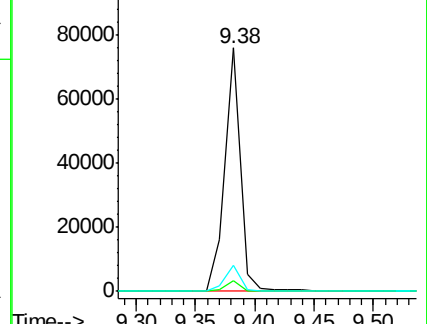
164 10.8 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.60 ng

RT: 9.64 min Scan# 670

Delta R.T. 0.15 min

Lab File: BF083262.D

Acq: 25 Nov 2015 3:33

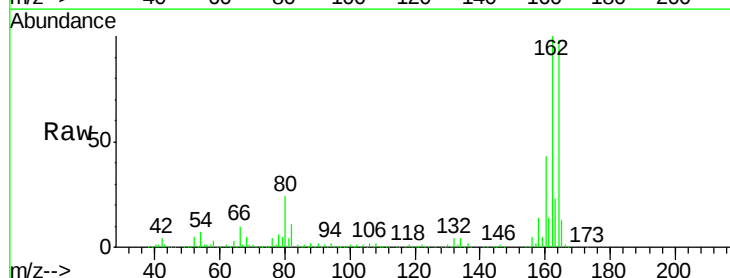
Tgt Ion:165 Resp: 48422

Ion Ratio Lower Upper

165 100

63 1.4 62.5 93.7#

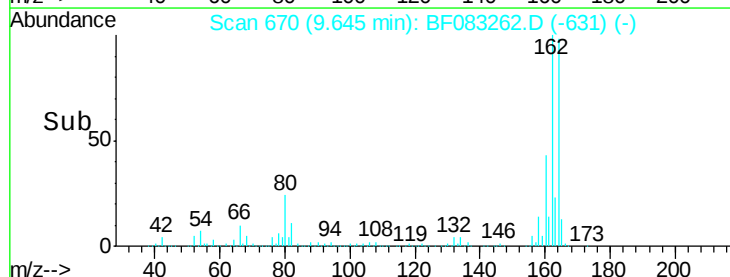
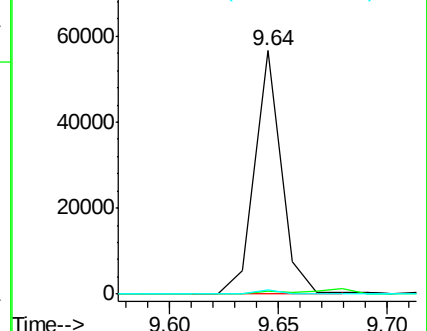
89 1.6 59.1 88.7#

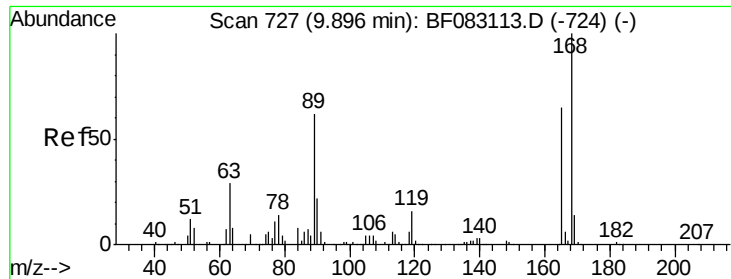


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

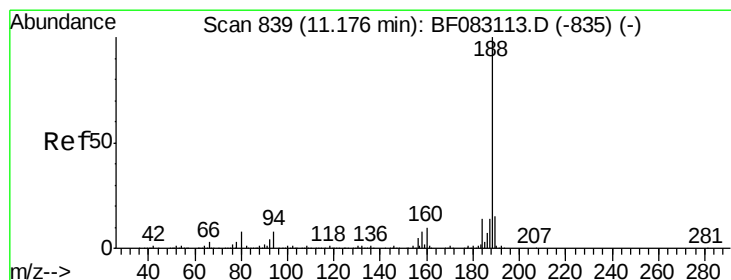
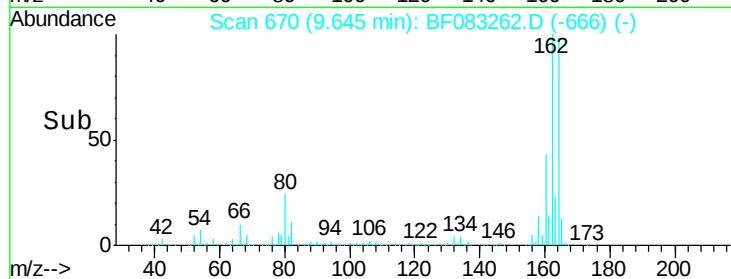
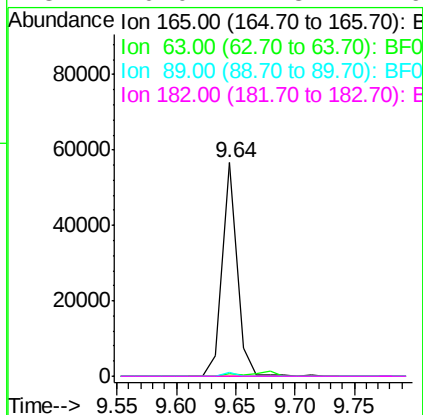
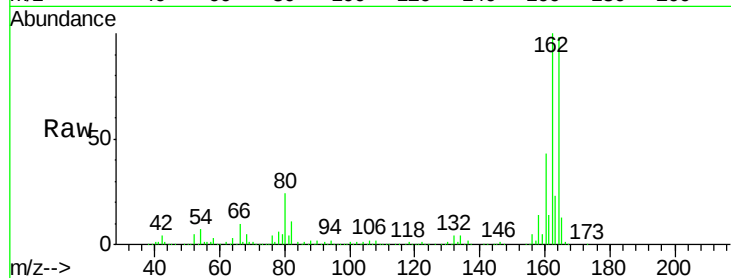




#56
 2,4-Dinitrotoluene
 Concen: 6.07 ng
 RT: 9.64 min Scan# 670
 Delta R.T. -0.25 min
 Lab File: BF083262.D
 Acq: 25 Nov 2015 3:33

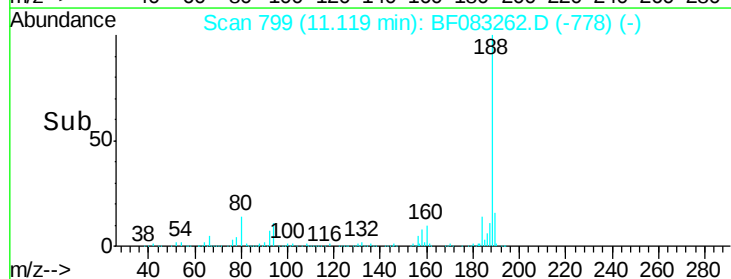
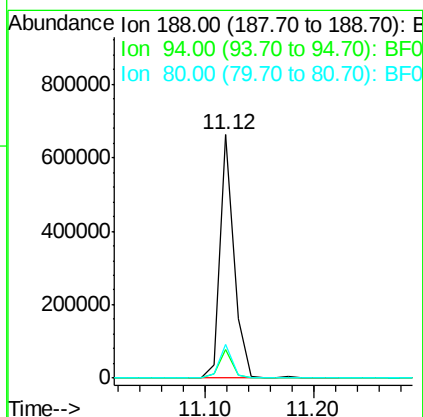
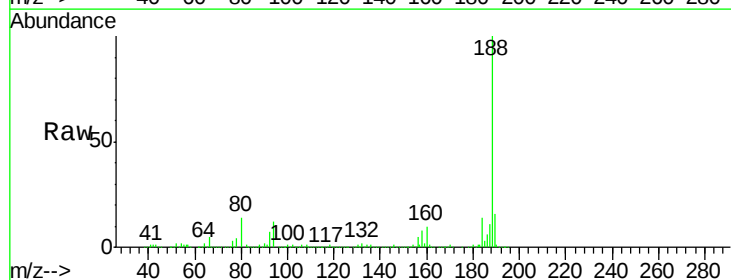
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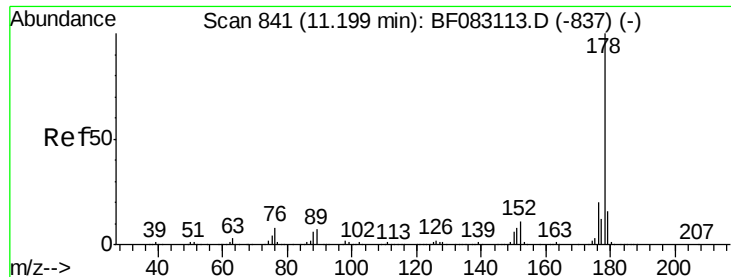
Tgt Ion:165 Resp: 48990
 Ion Ratio Lower Upper
 165 100
 63 1.4 54.5 81.7#
 89 1.6 77.3 115.9#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.12 min Scan# 799
 Delta R.T. -0.06 min
 Lab File: BF083262.D
 Acq: 25 Nov 2015 3:33

Tgt Ion:188 Resp: 601583
 Ion Ratio Lower Upper
 188 100
 94 11.6 6.0 9.0#
 80 13.7 6.7 10.1#

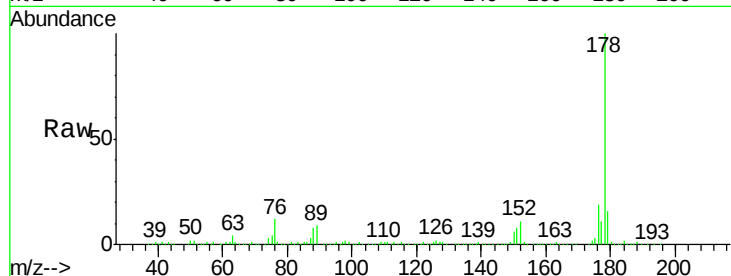




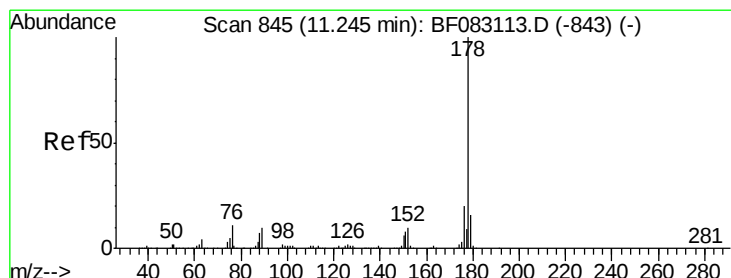
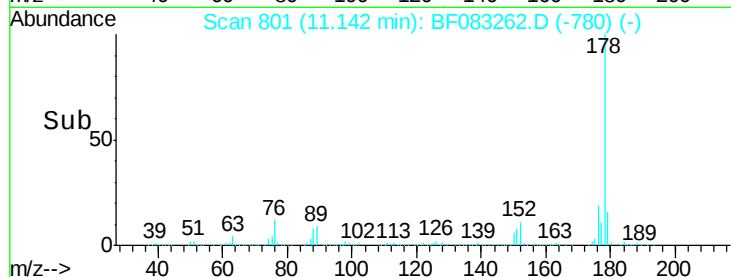
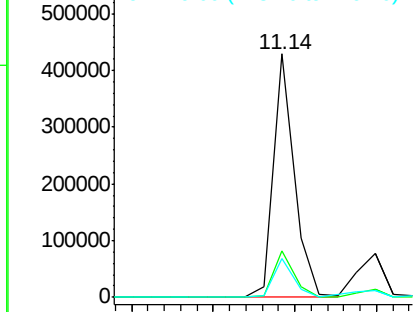
#70
Phenanthrene
Concen: 11.11 ng
RT: 11.14 min Scan# 801
Delta R.T. -0.06 min
Lab File: BF083262.D
Acq: 25 Nov 2015 3:33

Instrument :
BNA_F
ClientSampleId :
V1S1

Tgt Ion:178 Resp: 385195
Ion Ratio Lower Upper
178 100
176 19.4 16.2 24.2
179 16.1 12.8 19.2

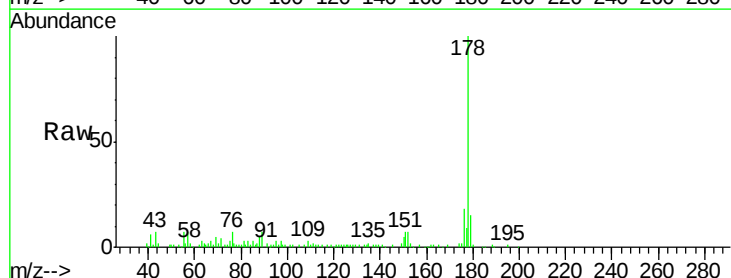


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

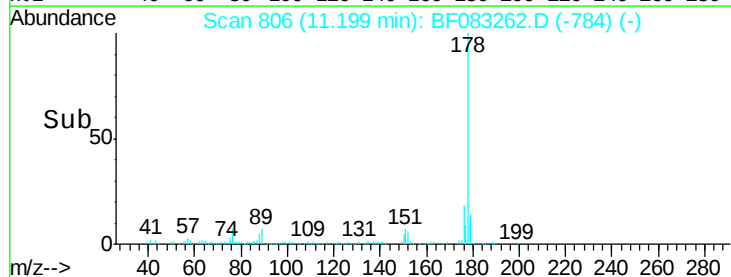
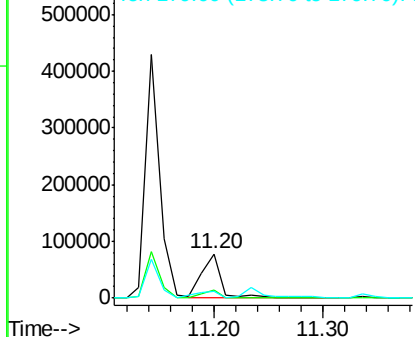


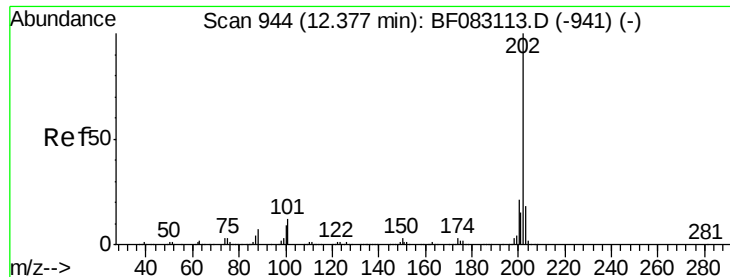
#71
Anthracene
Concen: 2.69 ng
RT: 11.20 min Scan# 806
Delta R.T. -0.05 min
Lab File: BF083262.D
Acq: 25 Nov 2015 3:33

Tgt Ion:178 Resp: 95164
Ion Ratio Lower Upper
178 100
176 17.9 15.6 23.4
179 14.7 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

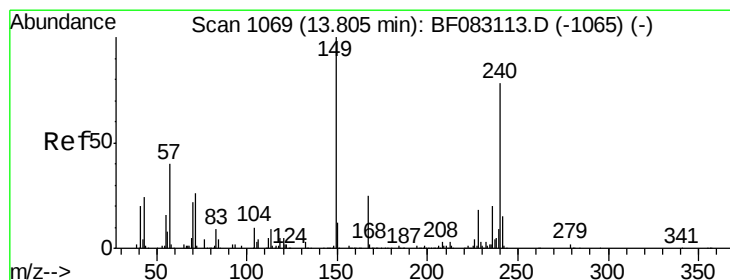
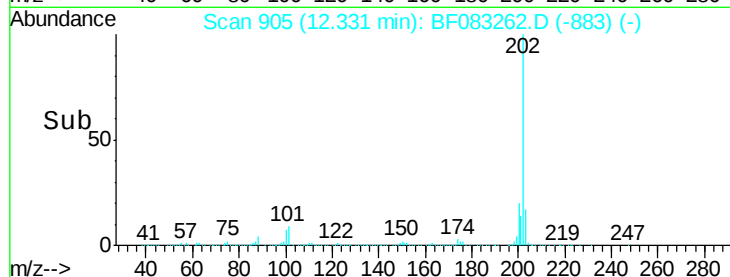
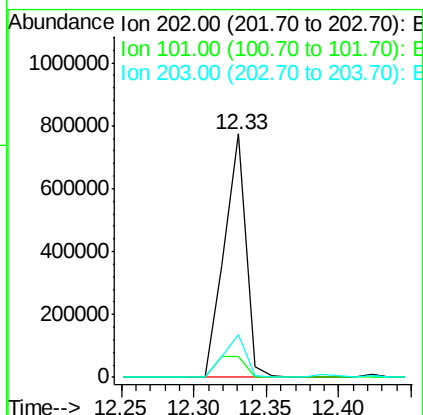
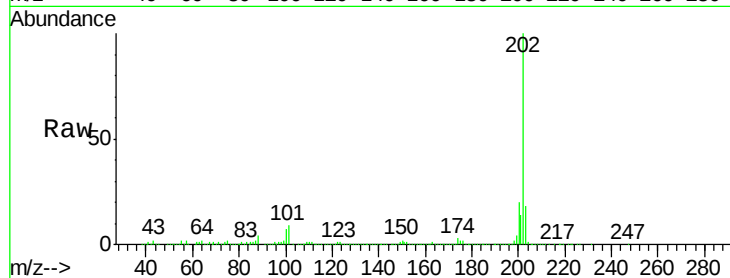




#74
Fluoranthene
Concen: 22.69 ng
RT: 12.33 min Scan# 905
Delta R.T. -0.05 min
Lab File: BF083262.D
Acq: 25 Nov 2015 3:33

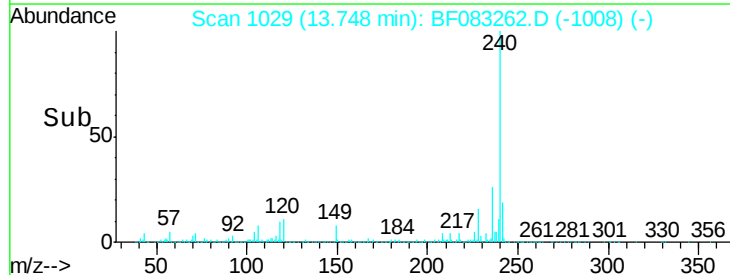
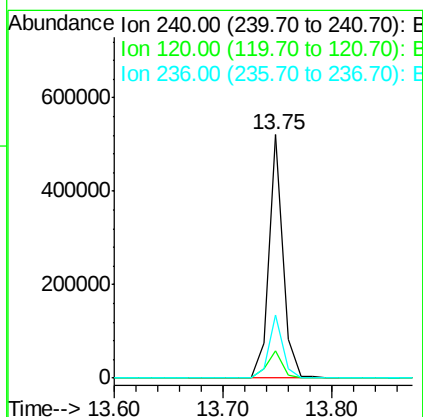
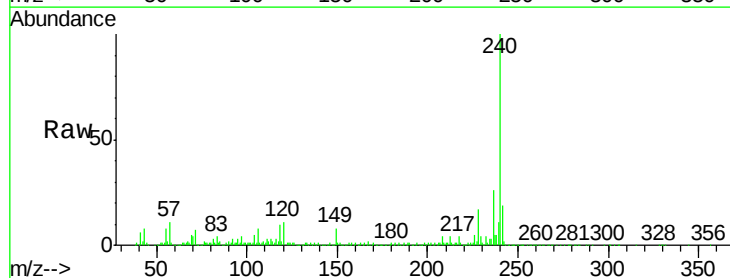
Instrument :
BNA_F
ClientSampleId :
V1S1

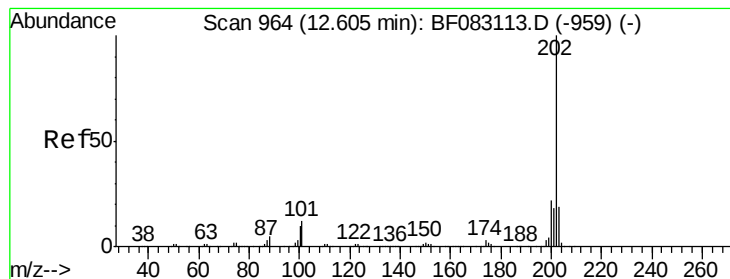
Tgt Ion: 202 Resp: 804908
Ion Ratio Lower Upper
202 100
101 8.5 0.0 32.3
203 17.5 0.0 38.4



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.75 min Scan# 1029
Delta R.T. -0.06 min
Lab File: BF083262.D
Acq: 25 Nov 2015 3:33

Tgt Ion: 240 Resp: 473504
Ion Ratio Lower Upper
240 100
120 11.0 5.4 8.2#
236 26.0 20.6 31.0





#77

Pyrene

Concen: 18.61 ng

RT: 12.55 min Scan# 924

Delta R.T. -0.06 min

Lab File: BF083262.D

Acq: 25 Nov 2015 3:33

Instrument :

BNA_F

ClientSampleId :

V1S1

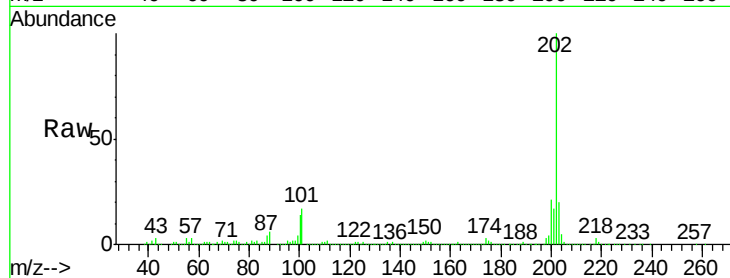
Tgt Ion: 202 Resp: 602104

Ion Ratio Lower Upper

202 100

200 20.8 17.8 26.6

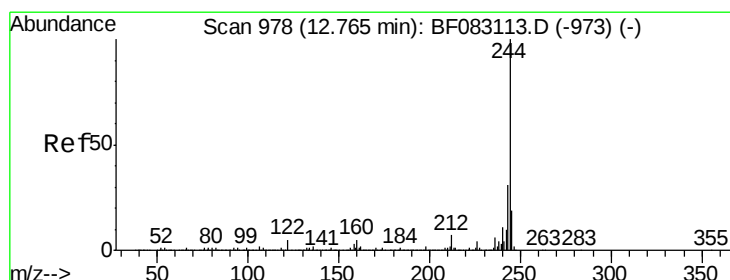
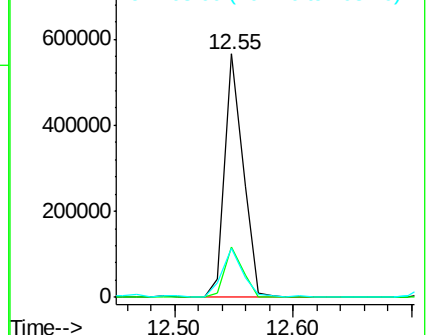
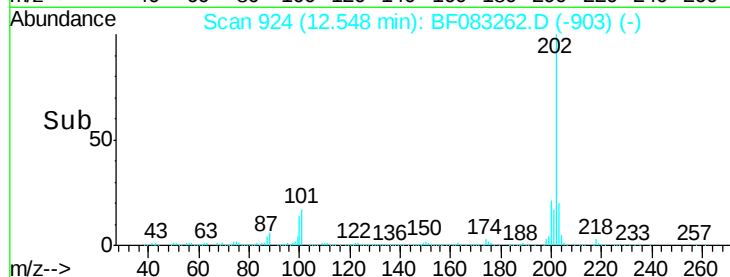
203 20.2 15.0 22.4



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: 11.89 ng

RT: 12.71 min Scan# 938

Delta R.T. -0.06 min

Lab File: BF083262.D

Acq: 25 Nov 2015 3:33

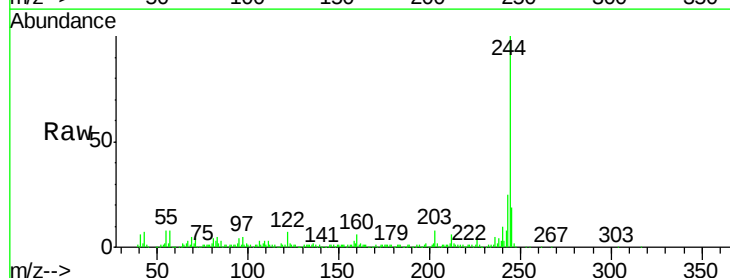
Tgt Ion: 244 Resp: 239067

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.2

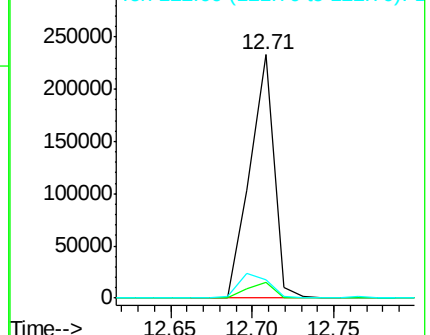
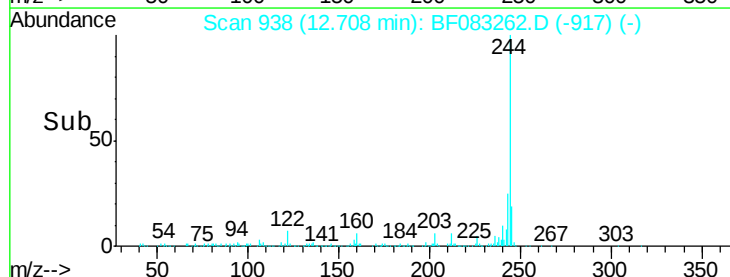
122 7.5 4.3 6.5#

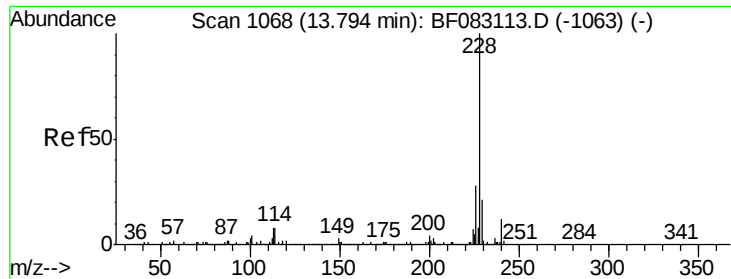


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

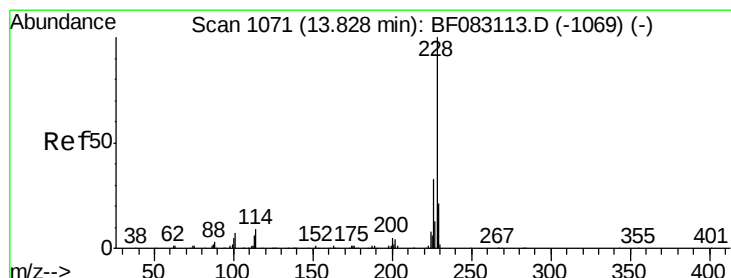
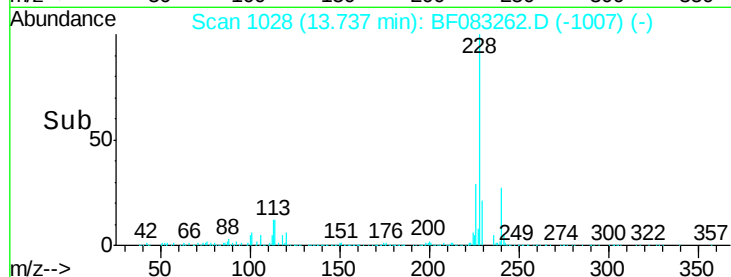
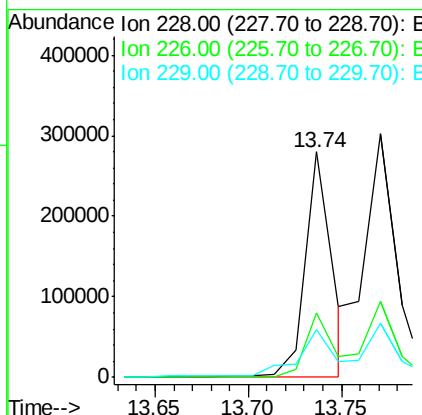
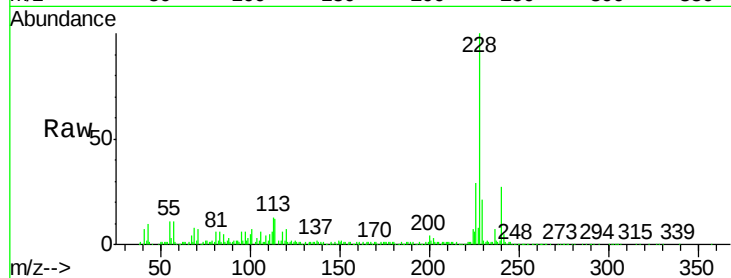




#80
Benzo(a)anthracene
Concen: 9.52 ng
RT: 13.74 min Scan# 1028
Delta R.T. -0.06 min
Lab File: BF083262.D
Acq: 25 Nov 2015 3:33

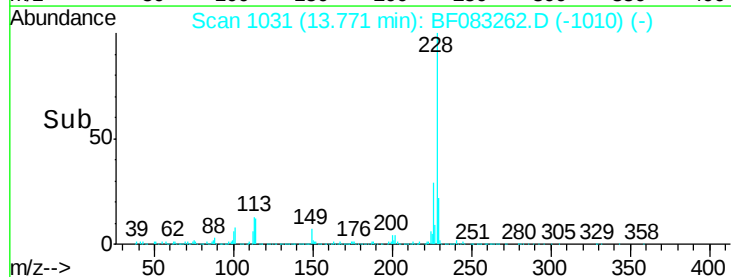
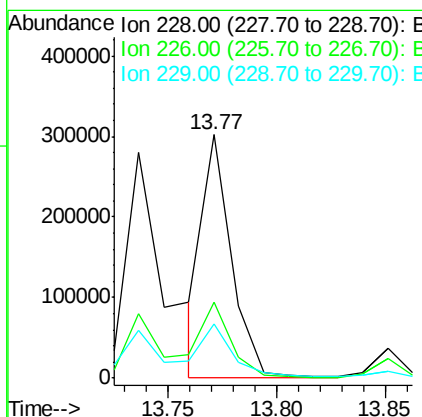
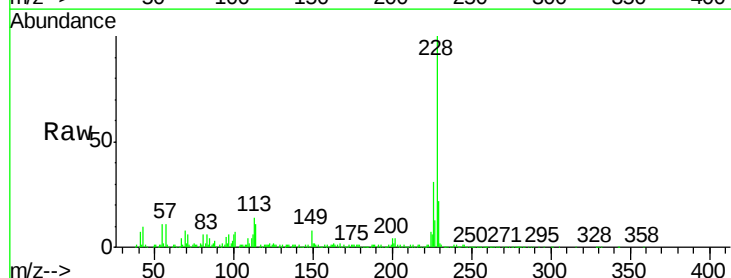
Instrument :
BNA_F
ClientSampleId :
V1S1

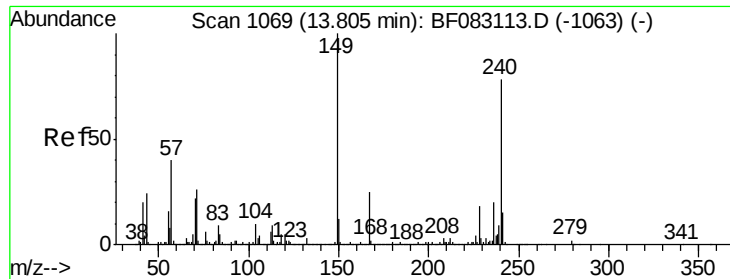
Tgt Ion:228 Resp: 278783
Ion Ratio Lower Upper
228 100
226 28.7 22.6 33.8
229 21.3 16.6 24.8



#82
Chrysene
Concen: 10.10 ng
RT: 13.77 min Scan# 1031
Delta R.T. -0.06 min
Lab File: BF083262.D
Acq: 25 Nov 2015 3:33

Tgt Ion:228 Resp: 274256
Ion Ratio Lower Upper
228 100
226 31.0 25.5 38.3
229 22.4 16.6 25.0

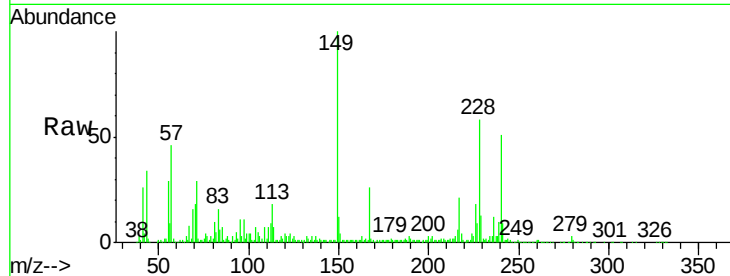




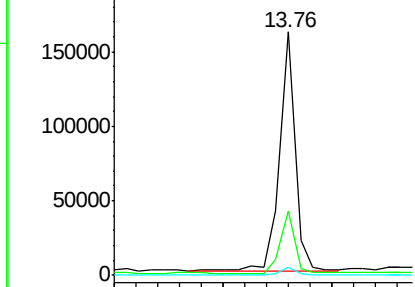
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 7.92 ng
 RT: 13.76 min Scan# 1030
 Delta R.T. -0.05 min
 Lab File: BF083262.D
 Acq: 25 Nov 2015 3:33

Instrument :
 BNA_F
 ClientSampleId :
 V1S1

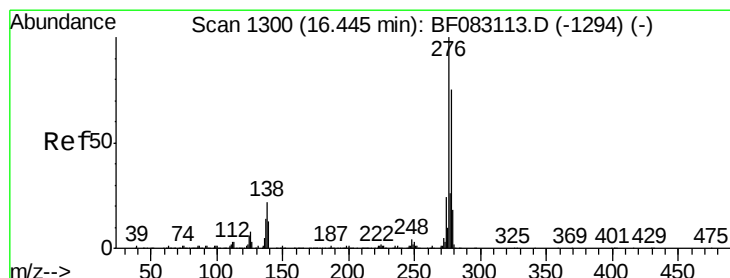
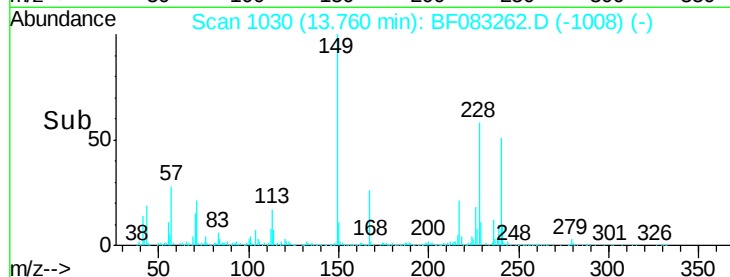
Tgt Ion:149 Resp: 158408
 Ion Ratio Lower Upper
 149 100
 167 26.4 20.1 30.1
 279 3.3 1.7 2.5#



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

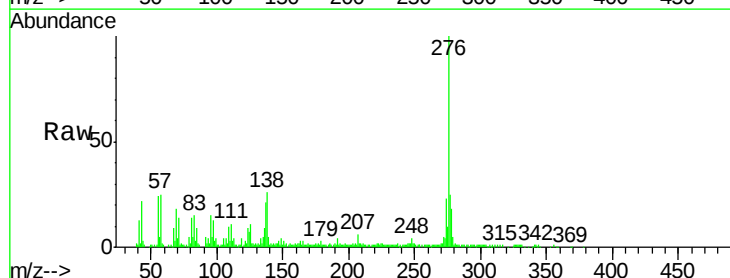


Time--> 13.60 13.70 13.80

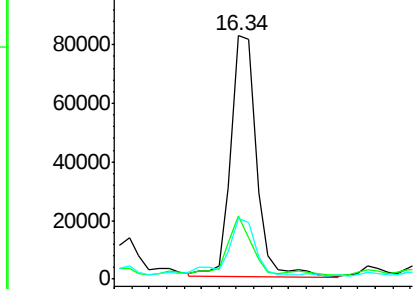


#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.86 ng
 RT: 16.34 min Scan# 1256
 Delta R.T. -0.10 min
 Lab File: BF083262.D
 Acq: 25 Nov 2015 3:33

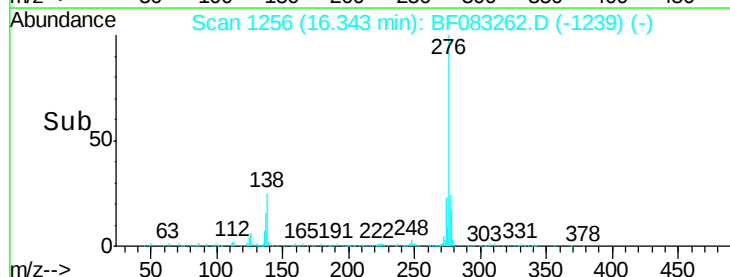
Tgt Ion:276 Resp: 169467
 Ion Ratio Lower Upper
 276 100
 138 22.8 18.0 27.0
 277 28.4 20.2 30.4

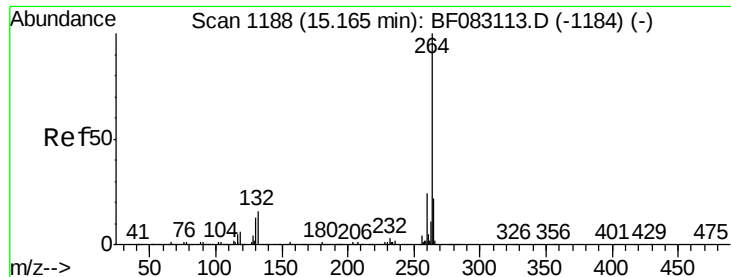


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E



Time--> 16.20 16.30 16.40 16.50



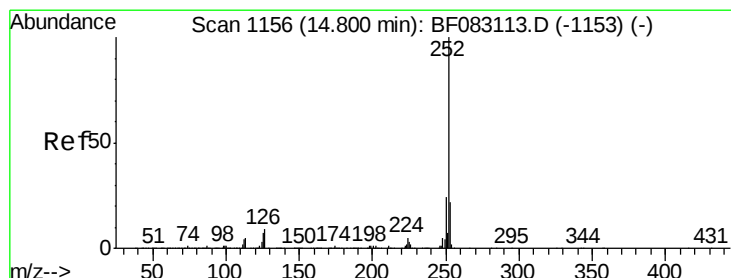
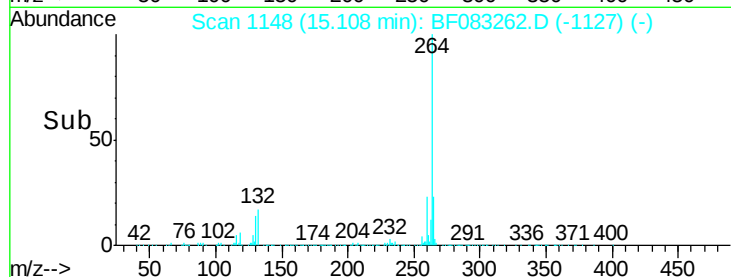
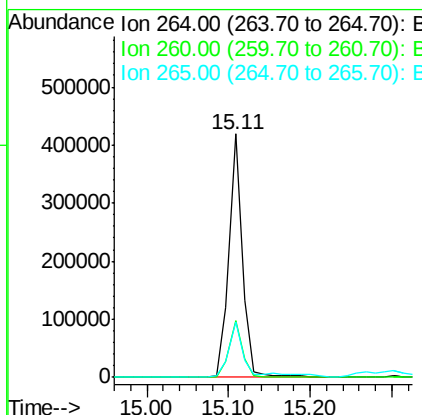
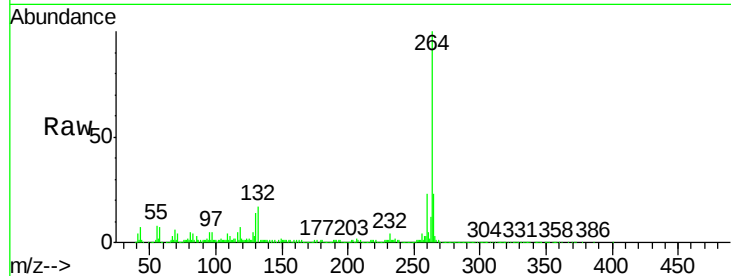


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1148
Delta R.T. -0.06 min
Lab File: BF083262.D
Acq: 25 Nov 2015 3:33

Instrument :
BNA_F
ClientSampled :
V1S1

Tgt Ion: 264 Resp: 477668

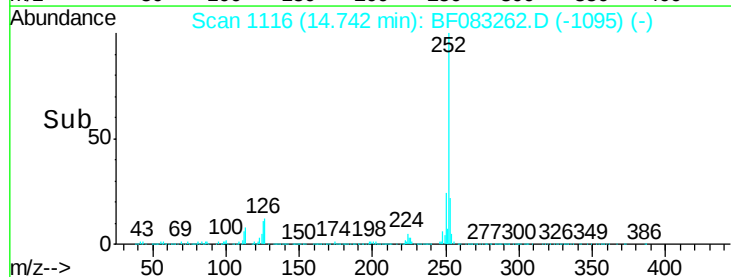
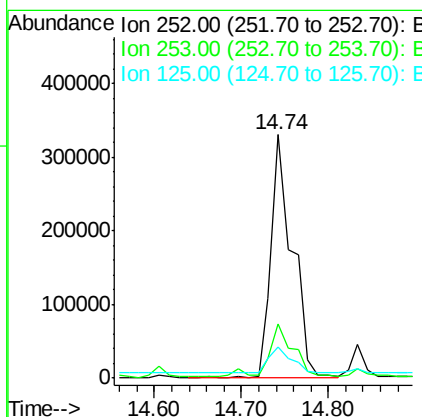
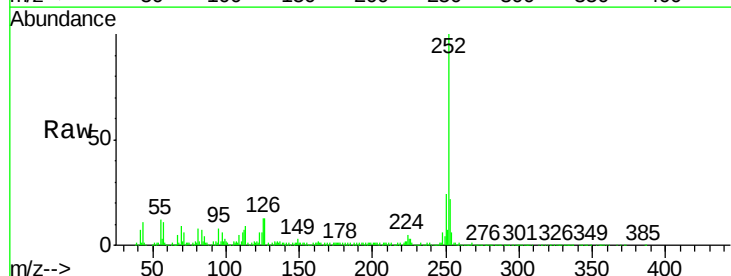
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.1	28.7
265	22.8	18.2	27.4

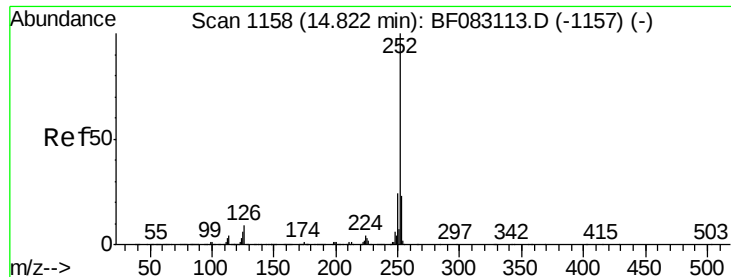


#87
Benzo(b)fluoranthene
Concen: 17.08 ng
RT: 14.74 min Scan# 1116
Delta R.T. -0.06 min
Lab File: BF083262.D
Acq: 25 Nov 2015 3:33

Tgt Ion: 252 Resp: 557331

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	12.8	5.6	8.4

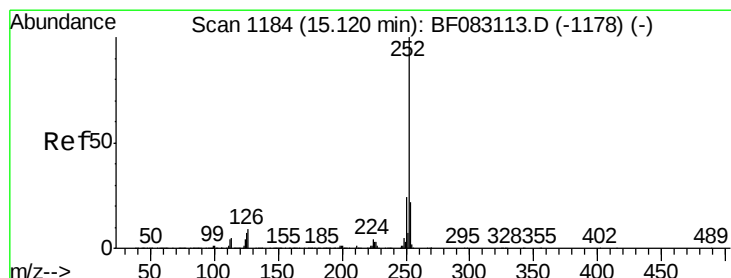
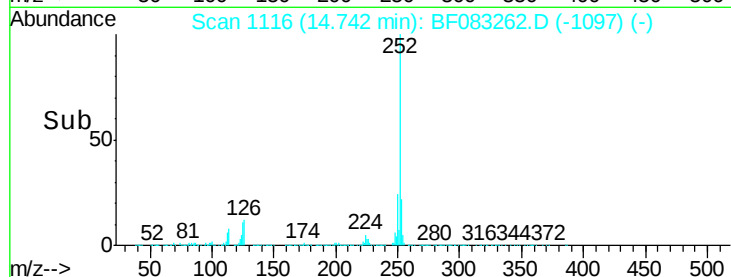
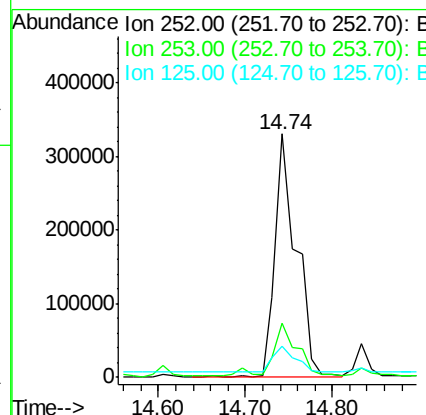
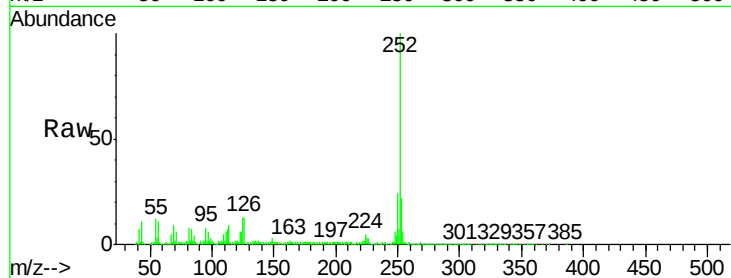




#88
Benzo(k)fluoranthene
Concen: 22.92 ng
RT: 14.74 min Scan# 1116
Delta R.T. -0.08 min
Lab File: BF083262.D
Acq: 25 Nov 2015 3:33

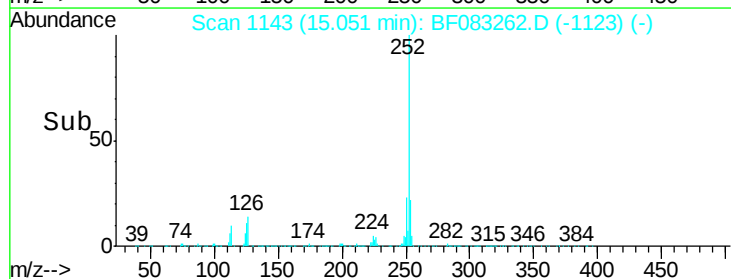
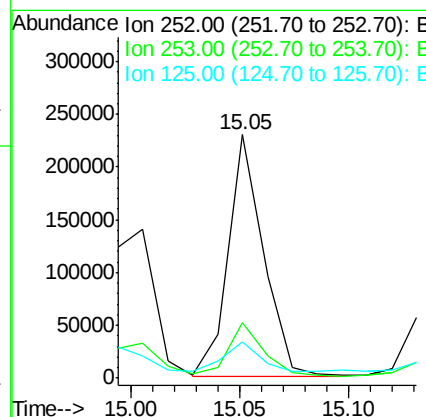
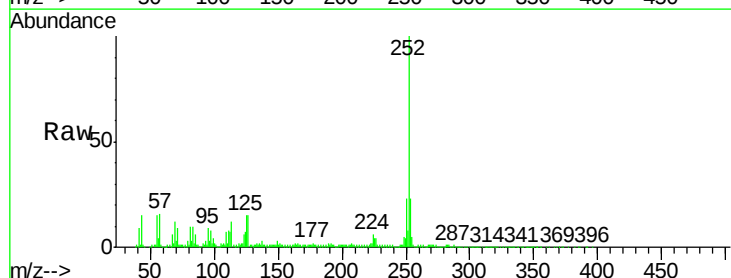
Instrument :
BNA_F
ClientSampleId :
V1S1

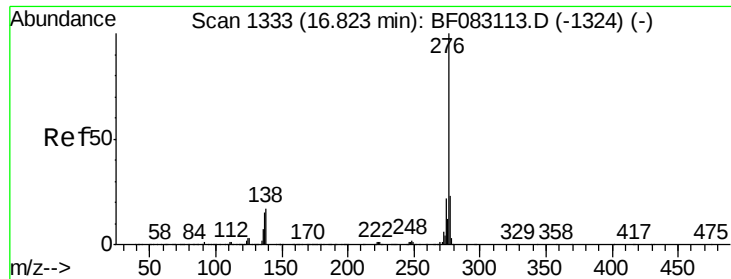
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.2
125	12.8	6.8	10.2



#89
Benzo(a)pyrene
Concen: 9.61 ng
RT: 15.05 min Scan# 1143
Delta R.T. -0.07 min
Lab File: BF083262.D
Acq: 25 Nov 2015 3:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	14.7	5.4	8.0





#91

Benzo(g,h,i)perylene

Concen: 6.10 ng

RT: 16.72 min Scan# 1289

Delta R.T. -0.10 min

Lab File: BF083262.D

Acq: 25 Nov 2015 3:33

Instrument :

BNA_F

ClientSampleId :

V1S1

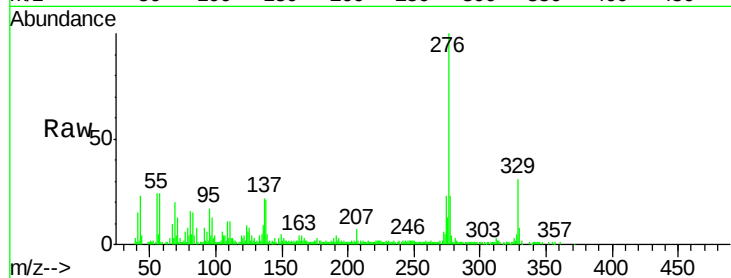
Tgt Ion: 276 Resp: 145791

Ion Ratio Lower Upper

276 100

277 23.2 18.7 28.1

138 21.0 13.9 20.9#



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

