

Data Path : Z:\HPCHEM1\BNA F\Data\BF110315\
 Data File : BF082657.D
 Acq On : 3 Nov 2015 12:03
 Operator : UM/IZ
 Sample : G4234-07DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DS-4DL

Quant Time: Nov 03 13:15:06 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF103015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 03 12:27:47 2015
 Response via : Initial Calibration

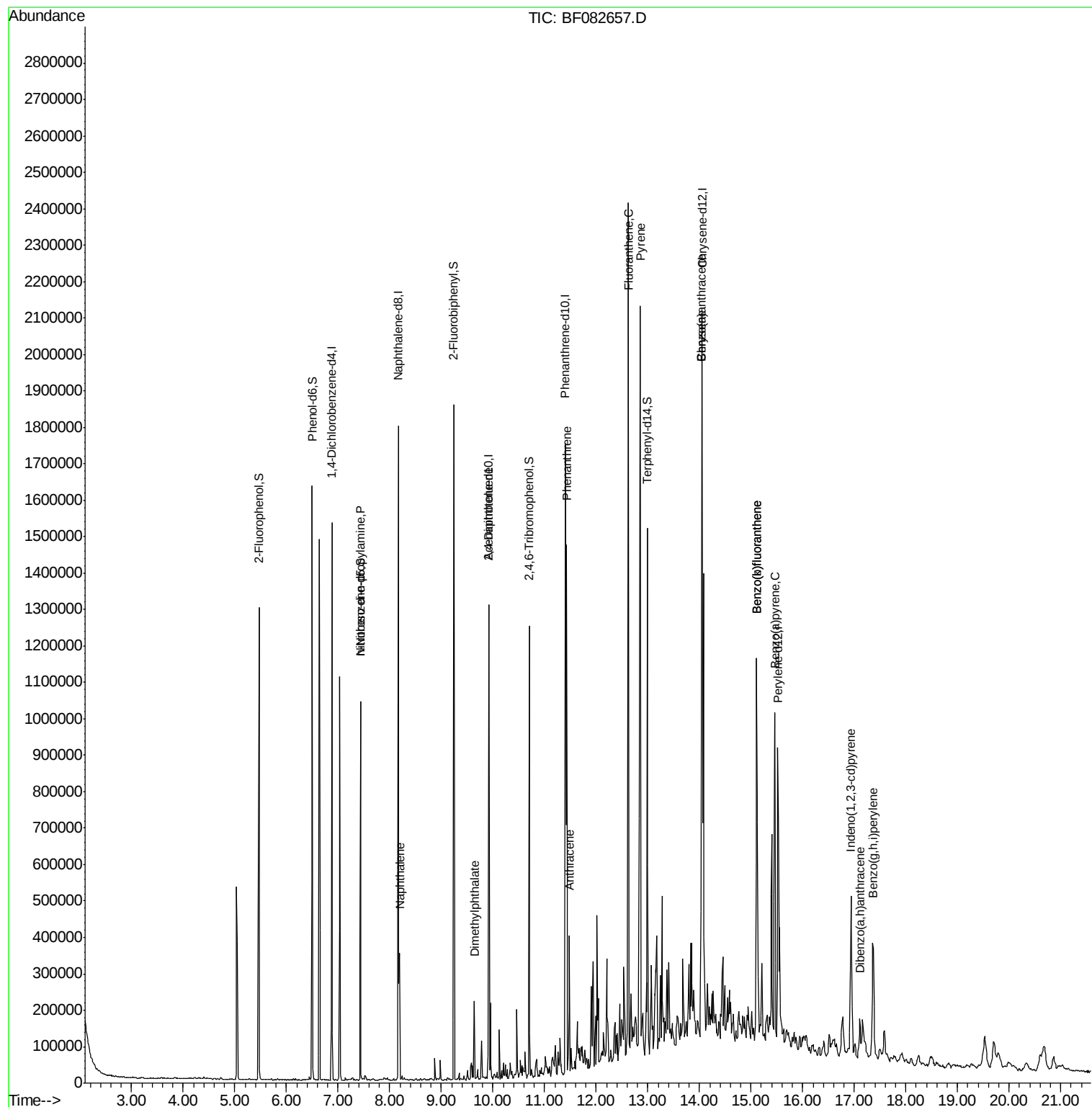
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	192190	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	747660	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	367966	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	659286	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	542921	20.00	ng	0.00
86) Perylene-d12	15.52	264	440222	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	366665	28.73	ng	0.00
7) Phenol-d6	6.50	99	524681	30.95	ng	-0.01
23) Nitrobenzene-d5	7.44	82	337200	18.42	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	116880	29.02	ng	-0.01
44) 2-Fluorobiphenyl	9.24	172	486736	18.78	ng	-0.01
78) Terphenyl-d14	12.99	244	400048	16.13	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	43777	3.41	ng	# 69
31) Naphthalene	8.19	128	188124	4.65	ng	97
49) Dimethylphthalate	9.64	163	123863	4.12	ng	# 96
56) 2,4-Dinitrotoluene	9.92	165	46517	5.52	ng	# 16
70) Phenanthrene	11.42	178	571116	15.36	ng	98
71) Anthracene	11.48	178	168643	4.50	ng	95
74) Fluoranthene	12.63	202	1248164	32.83	ng	95
77) Pyrene	12.85	202	1258307	31.30	ng	97
80) Benzo(a)anthracene	14.04	228	656599	19.04	ng	100
82) Chrysene	14.04	228	656599	21.01	ng	97
85) Indeno(1,2,3-cd)pyrene	16.93	276	302496	11.73	ng	98
87) Benzo(b)fluoranthene	15.11	252	810530	26.70	ng	# 99
88) Benzo(k)fluoranthene	15.11	252	810530	35.05	ng	# 98
89) Benzo(a)pyrene	15.46	252	417389	17.46	ng	97
90) Dibenzo(a,h)anthracene	17.11	278	63222	2.83	ng	98
91) Benzo(g,h,i)perylene	17.36	276	288776	13.36	ng	98

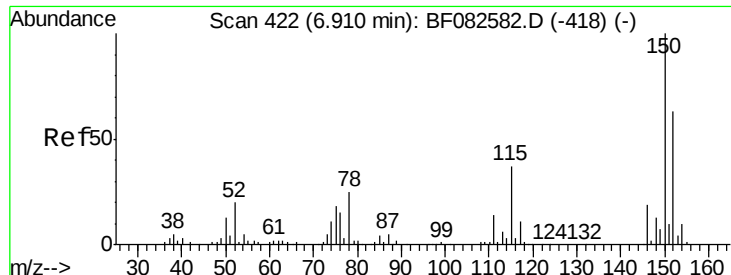
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\Data\BF110315\
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Misc :
ALS Vial : 4 Sample Multiplier: 1

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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: BF082657.D

Acq: 3 Nov 2015 12:03

Instrument :

BNA_F

ClientSampleId :

DS-4DL

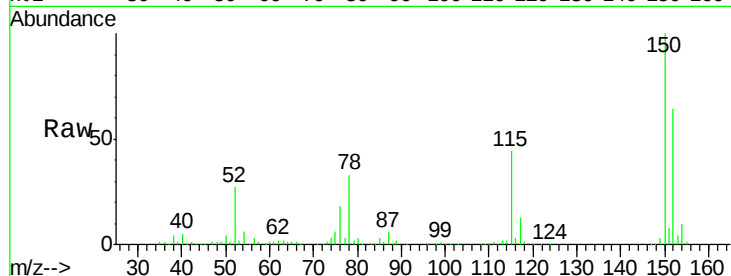
Tot Ion:152 Resp: 192190

Ion Ratio Lower Upper

152 100

150 156.6 127.0 190.4

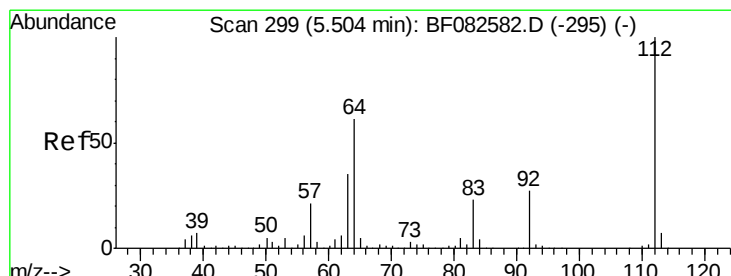
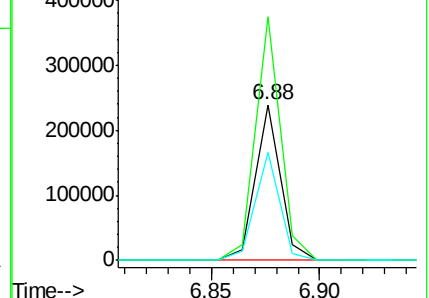
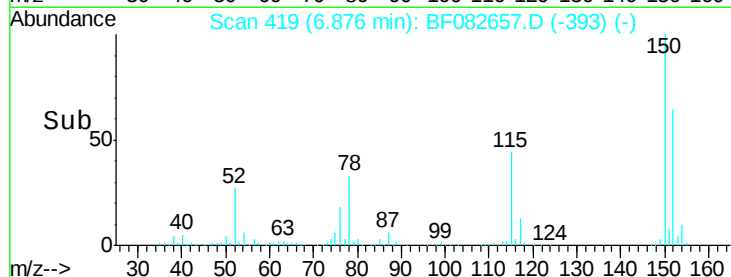
115 69.0 47.0 70.6



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: 28.73 ng

RT: 5.47 min Scan# 296

Delta R.T. 0.00 min

Lab File: BF082657.D

Acq: 3 Nov 2015 12:03

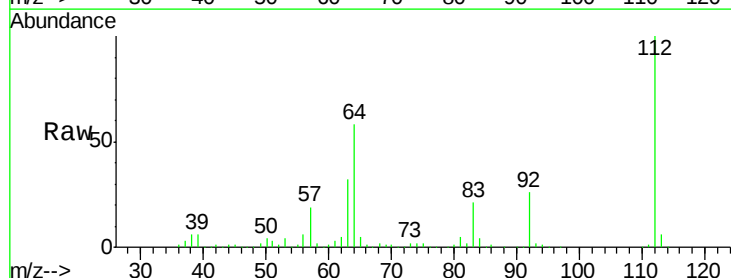
Tgt Ion:112 Resp: 366665

Ion Ratio Lower Upper

112 100

64 58.2 48.9 73.3

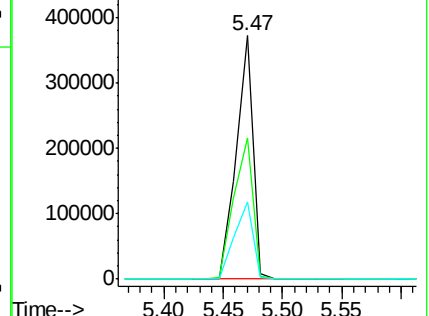
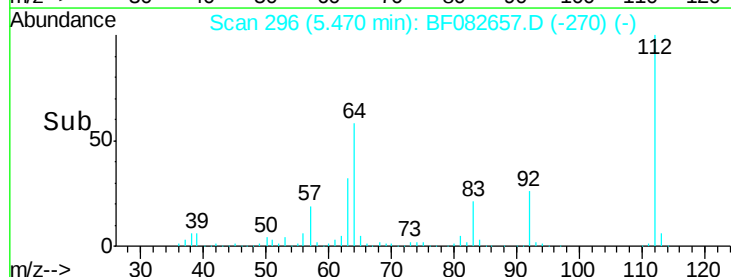
63 31.7 28.1 42.1



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: 30.95 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF082657.D

Acq: 3 Nov 2015 12:03

Instrument :

BNA_F

ClientSampleId :

DS-4DL

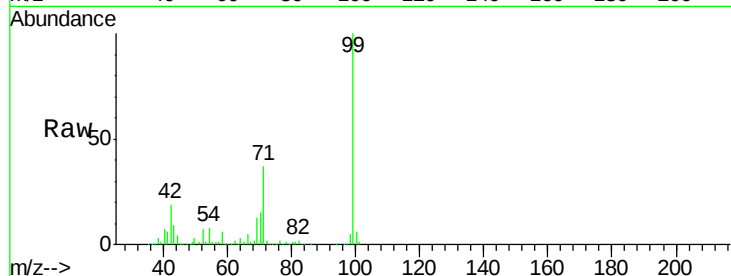
Tot Ion: 99 Resp: 524681

Ion Ratio Lower Upper

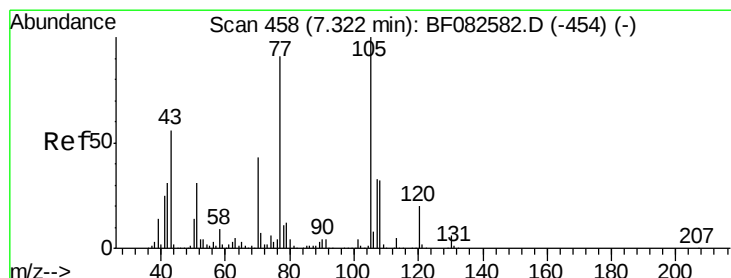
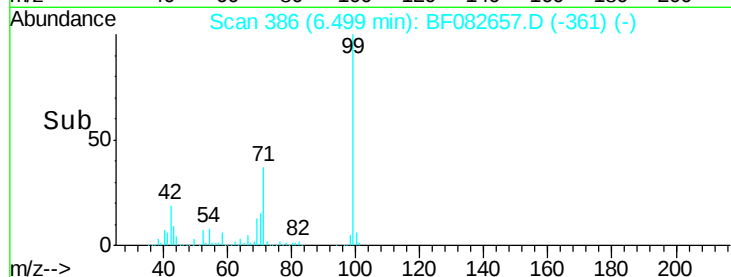
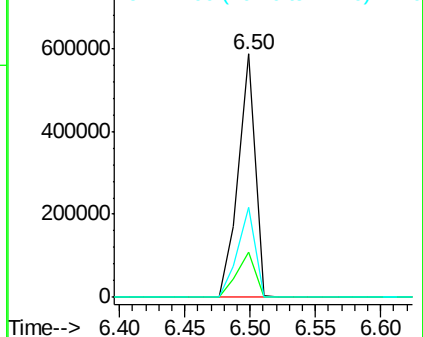
99 100

42 18.7 19.2 28.8#

71 37.0 35.0 52.4



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 3.41 ng

RT: 7.44 min Scan# 468

Delta R.T. 0.14 min

Lab File: BF082657.D

Acq: 3 Nov 2015 12:03

Tgt Ion: 70 Resp: 43777

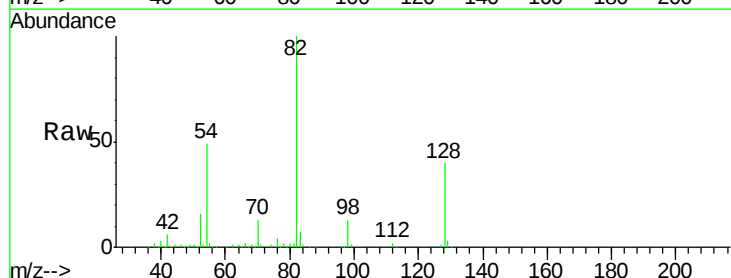
Ion Ratio Lower Upper

70 100

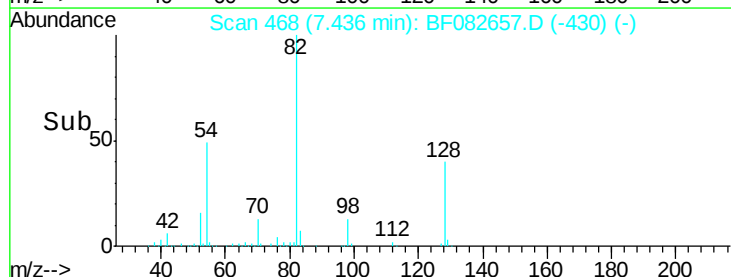
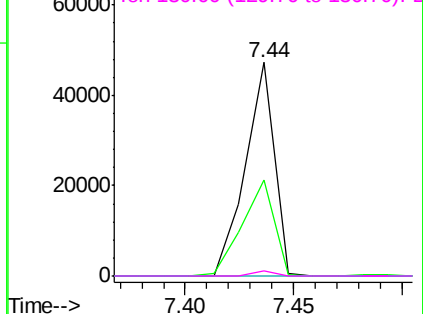
42 44.9 57.7 86.5#

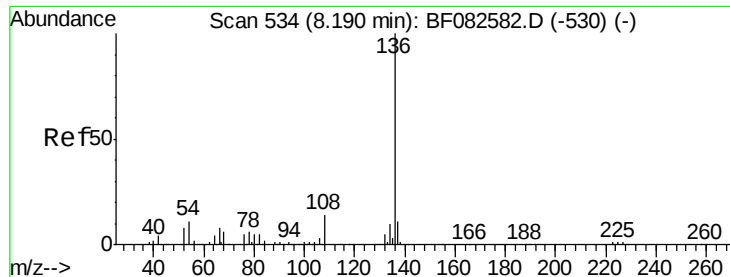
101 0.0 7.0 10.6#

130 2.3 11.8 17.6#



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): BF0
Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 532

Delta R.T. 0.00 min

Lab File: BF082657.D

Acq: 3 Nov 2015 12:03

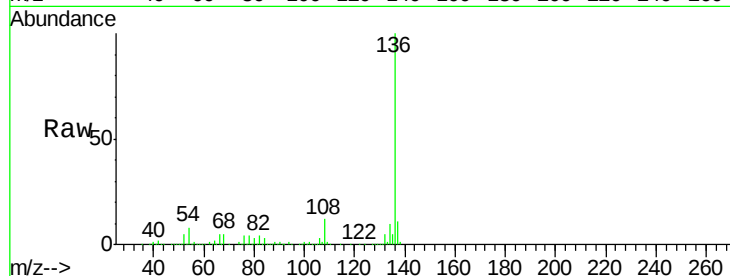
Instrument :

BNA_F

ClientSampleId :

DS-4DL

Tot Ion:	136	Resp:	747660
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	7.5	9.1	13.7#
68	5.0	4.8	7.2

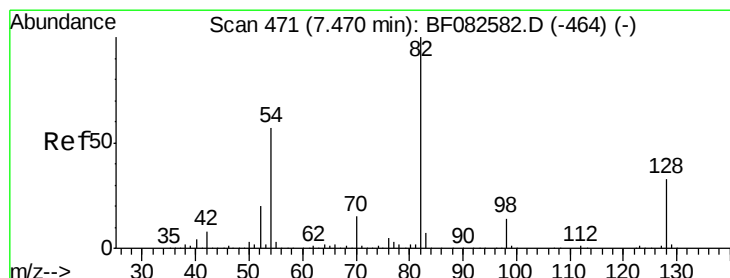
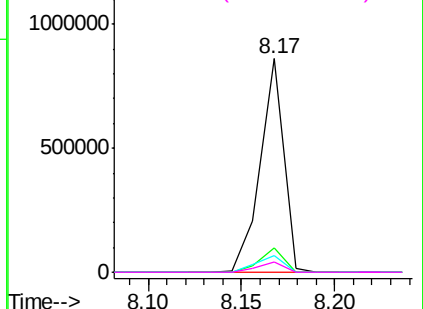
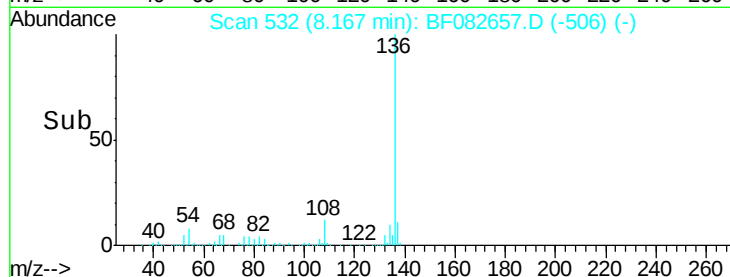


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 18.42 ng

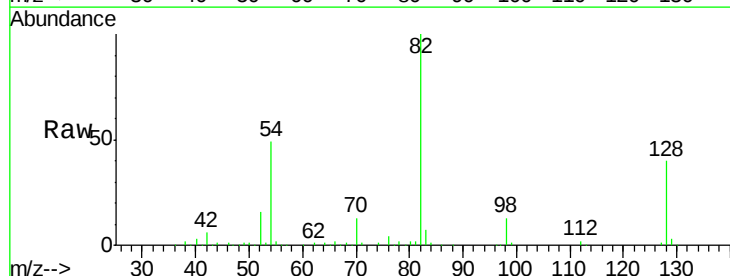
RT: 7.44 min Scan# 468

Delta R.T. -0.01 min

Lab File: BF082657.D

Acq: 3 Nov 2015 12:03

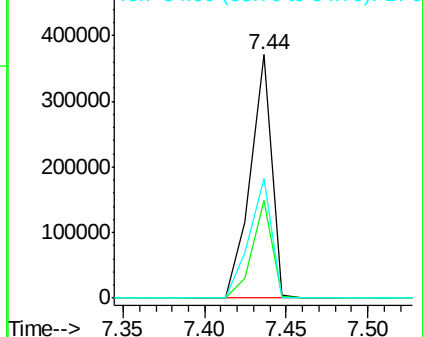
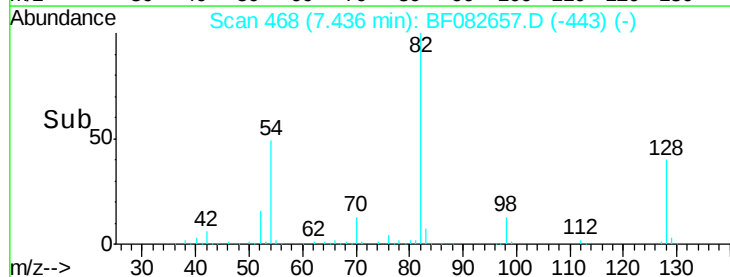
Tgt Ion:	82	Resp:	337200
Ion	Ratio	Lower	Upper
82	100		
128	39.9	26.8	40.2
54	48.9	45.7	68.5

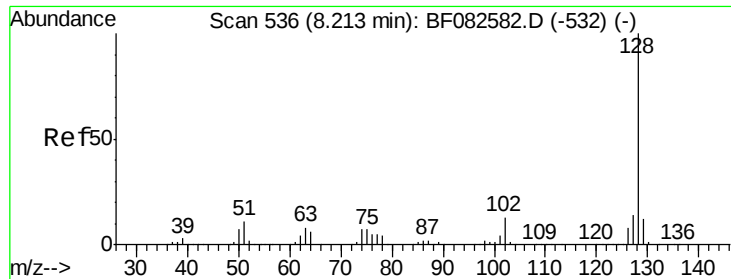


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

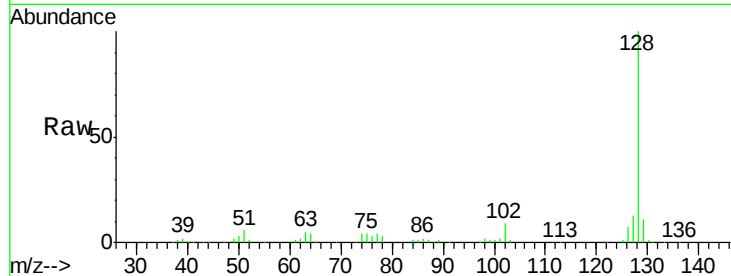




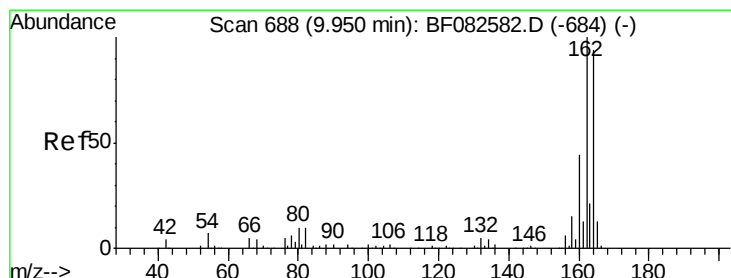
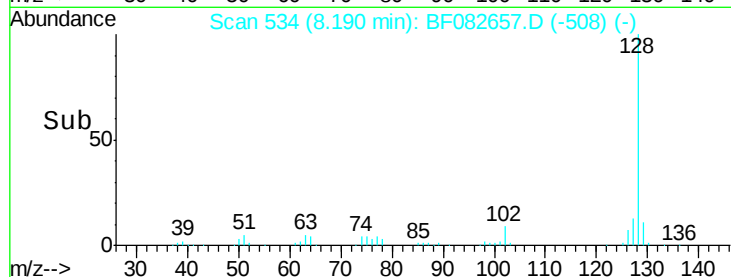
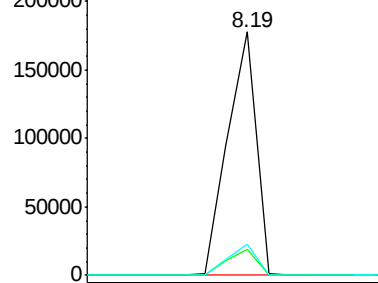
#31
Naphthalene
Concen: 4.65 ng
RT: 8.19 min Scan# 534
Delta R.T. 0.00 min
Lab File: BF082657.D
Acq: 3 Nov 2015 12:03

Instrument :
BNA_F
ClientSampleId :
DS-4DL

Tot Ion:128 Resp: 188124
Ion Ratio Lower Upper
128 100
129 10.6 9.5 14.3
127 13.0 11.4 17.0

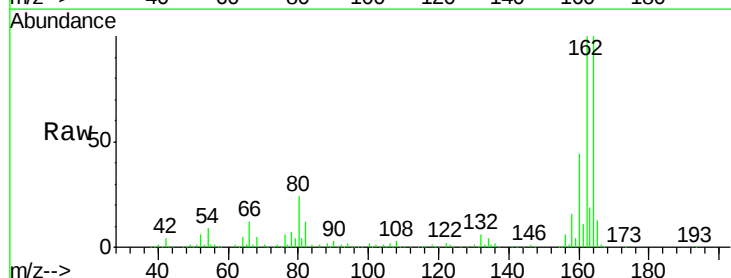


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

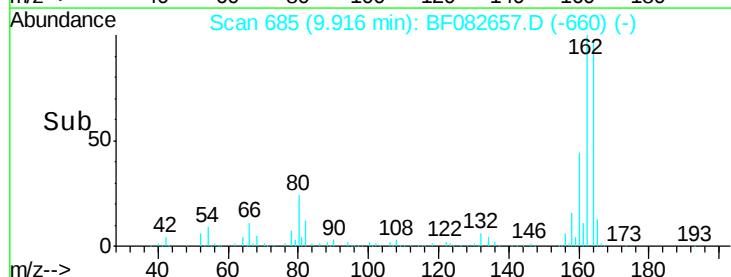
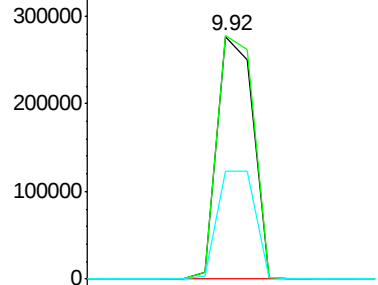


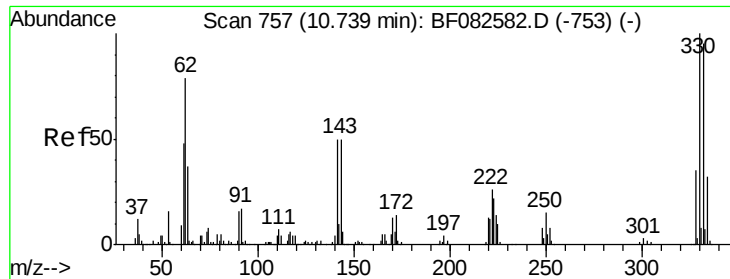
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 685
Delta R.T. -0.01 min
Lab File: BF082657.D
Acq: 3 Nov 2015 12:03

Tgt Ion:164 Resp: 367966
Ion Ratio Lower Upper
164 100
162 100.4 84.9 127.3
160 44.6 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

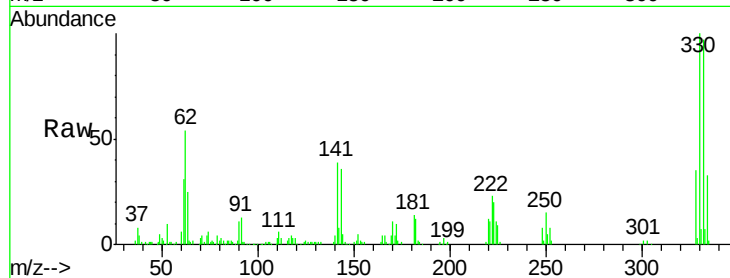




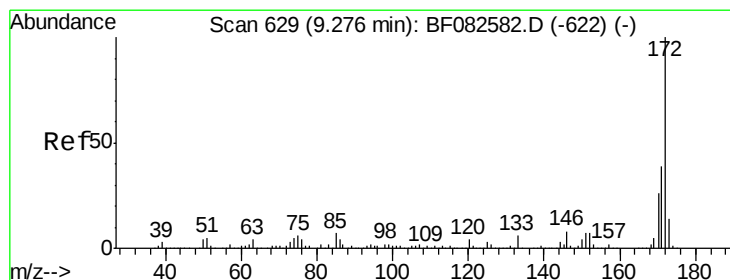
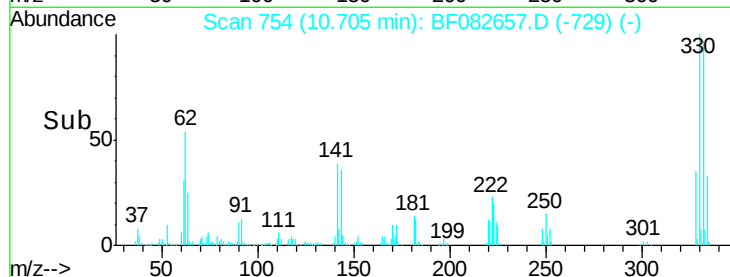
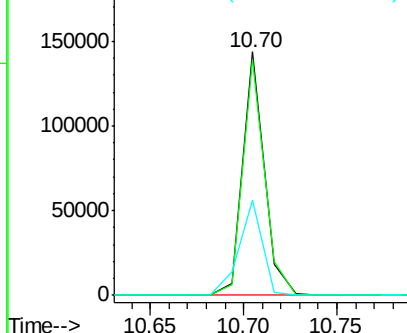
#41
 2,4,6-Tribromophenol
 Concen: 29.02 ng
 RT: 10.70 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: BF082657.D
 Acq: 3 Nov 2015 12:03

Instrument :
 BNA_F
 ClientSampleId :
 DS-4DL

Tot Ion:330 Resp: 116880
 Ion Ratio Lower Upper
 330 100
 332 98.0 76.6 114.8
 141 43.5 41.2 61.8

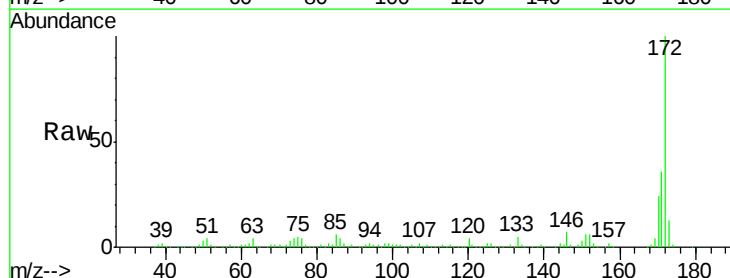


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

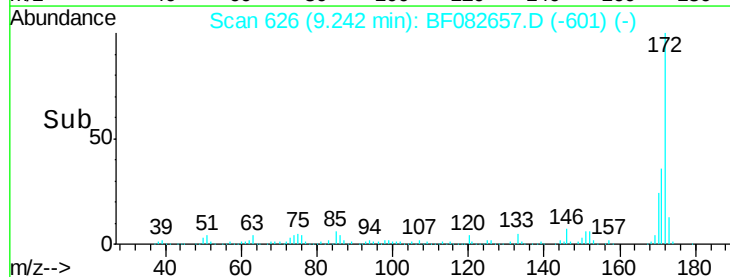
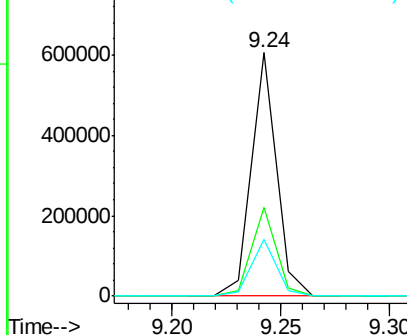


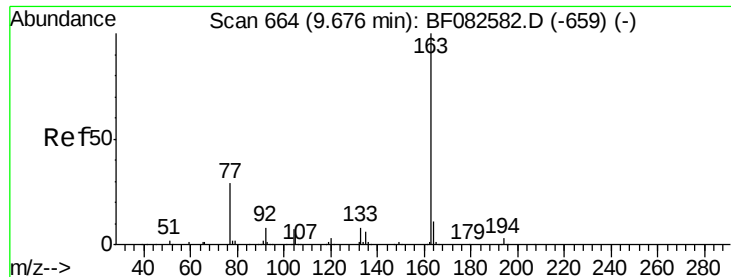
#44
 2-Fluorobiphenyl
 Concen: 18.78 ng
 RT: 9.24 min Scan# 626
 Delta R.T. -0.01 min
 Lab File: BF082657.D
 Acq: 3 Nov 2015 12:03

Tgt Ion:172 Resp: 486736
 Ion Ratio Lower Upper
 172 100
 171 36.3 30.8 46.2
 170 23.5 21.2 31.8



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

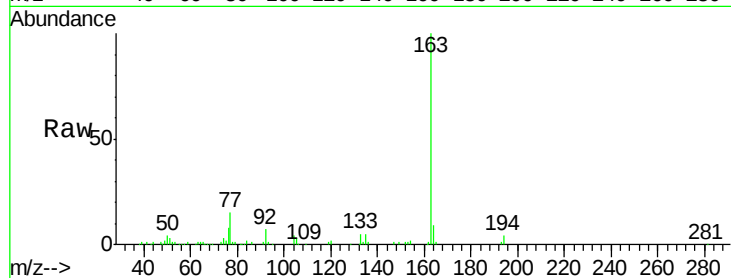




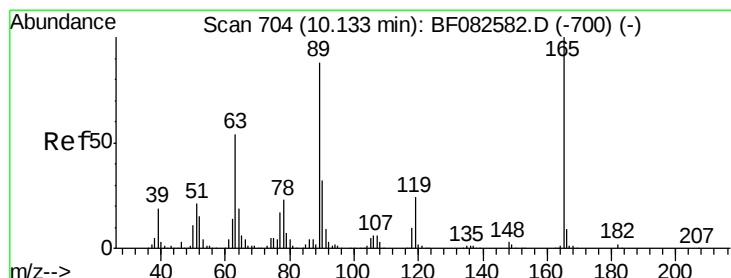
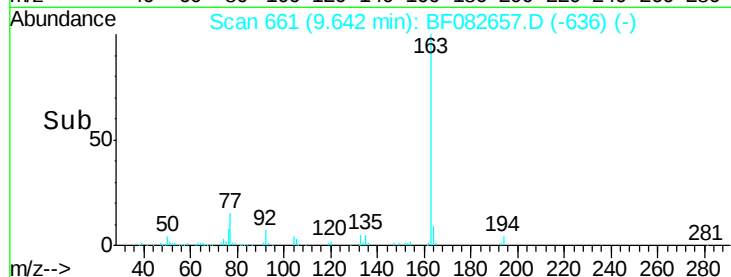
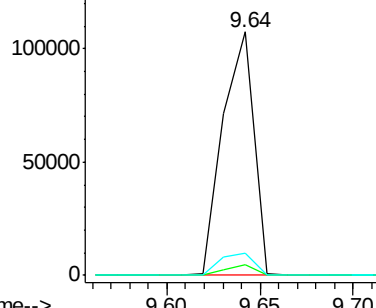
#49
Dimethylphthalate
Concen: 4.12 ng
RT: 9.64 min Scan# 661
Delta R.T. -0.01 min
Lab File: BF082657.D
Acq: 3 Nov 2015 12:03

Instrument :
BNA_F
ClientSampled :
DS-4DL

Tot Ion:163 Resp: 123863
Ion Ratio Lower Upper
163 100
194 4.1 2.6 4.0#
164 9.2 8.7 13.1

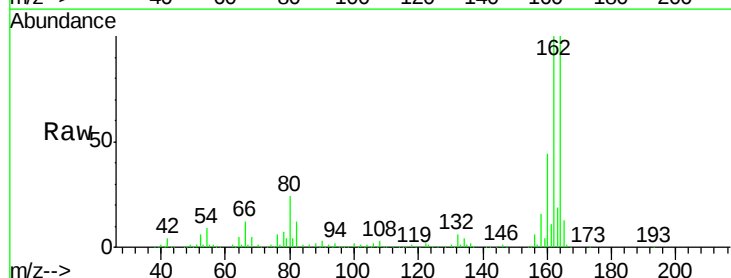


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

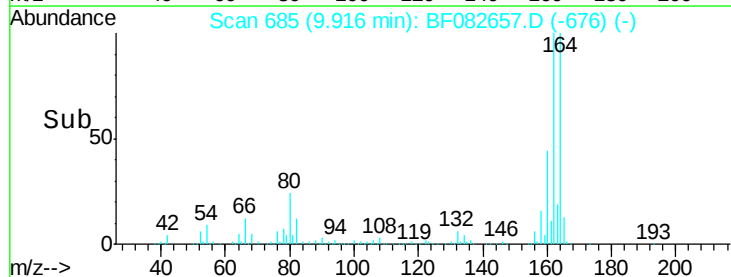
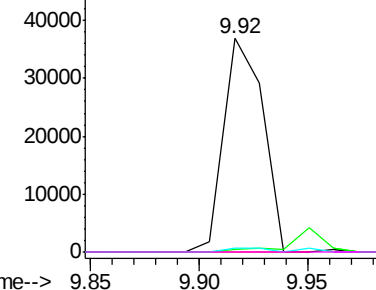


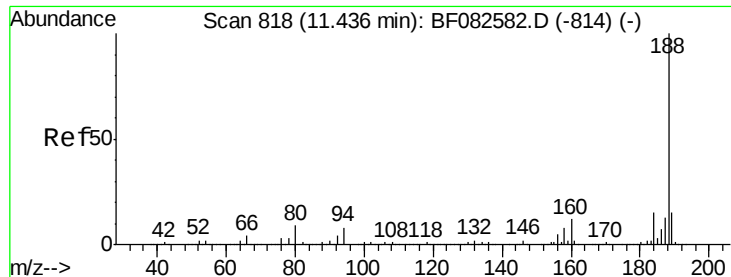
#56
2,4-Dinitrotoluene
Concen: 5.52 ng
RT: 9.92 min Scan# 685
Delta R.T. -0.19 min
Lab File: BF082657.D
Acq: 3 Nov 2015 12:03

Tgt Ion:165 Resp: 46517
Ion Ratio Lower Upper
165 100
63 1.4 43.4 65.0#
89 2.0 70.6 106.0#
182 0.0 1.5 2.3#



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

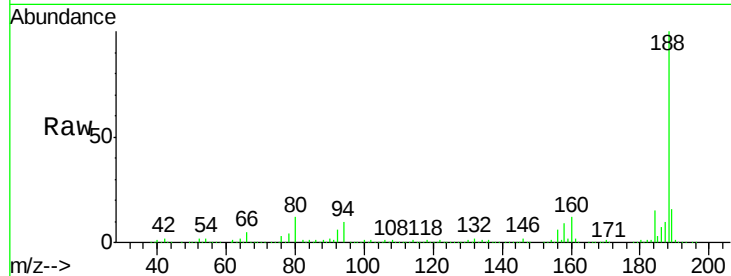




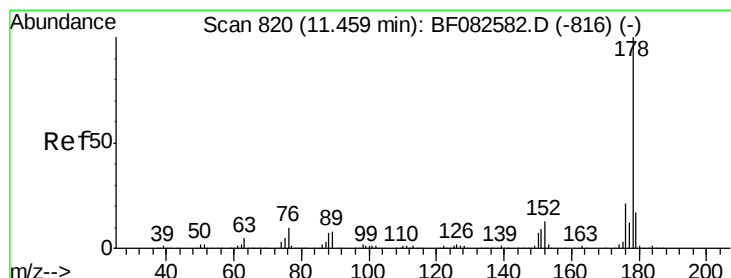
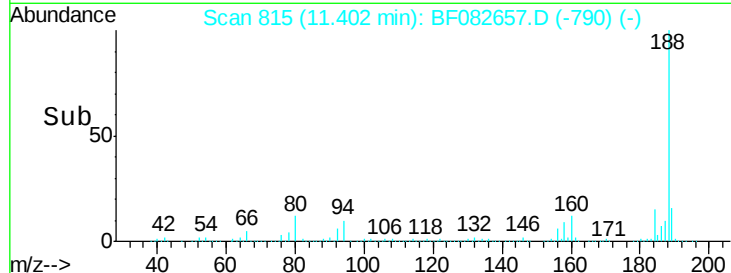
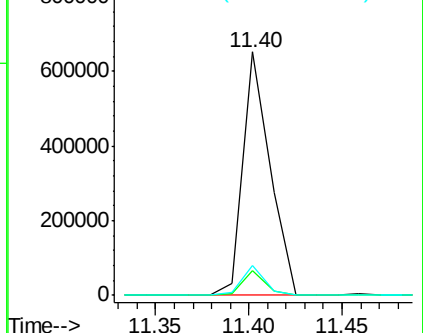
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF082657.D
 Acq: 3 Nov 2015 12:03

Instrument :
 BNA_F
 ClientSampleId :
 DS-4DL

Tot Ion:188 Resp: 659286
 Ion Ratio Lower Upper
 188 100
 94 10.3 6.1 9.1#
 80 12.2 7.0 10.6#

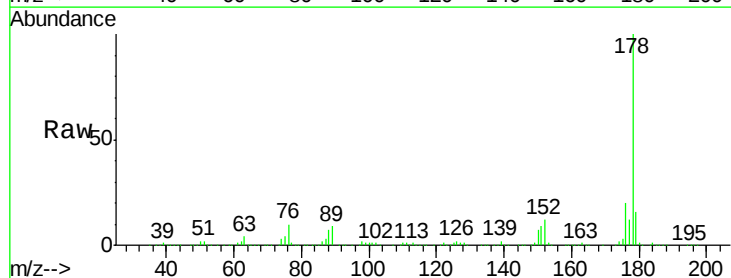


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

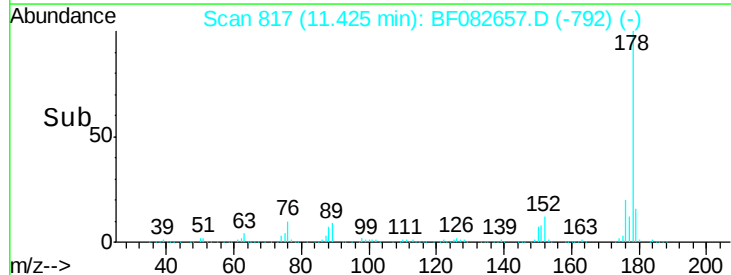
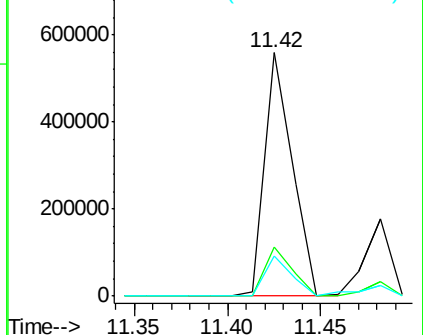


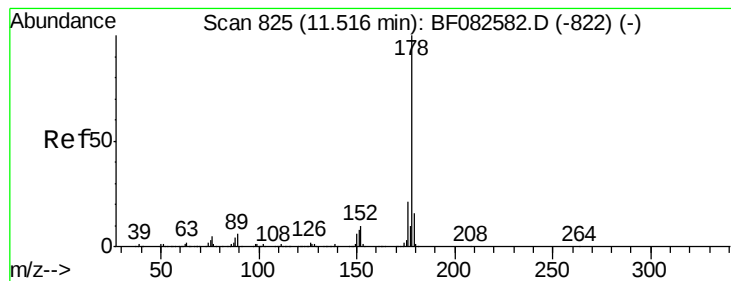
#70
 Phenanthrene
 Concen: 15.36 ng
 RT: 11.42 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF082657.D
 Acq: 3 Nov 2015 12:03

Tgt Ion:178 Resp: 571116
 Ion Ratio Lower Upper
 178 100
 176 19.9 17.0 25.4
 179 16.4 13.4 20.0



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





#71

Anthracene

Concen: 4.50 ng

RT: 11.48 min Scan# 822

Delta R.T. 0.00 min

Lab File: BF082657.D

Acq: 3 Nov 2015 12:03

Instrument :

BNA_F

ClientSampleId :

DS-4DL

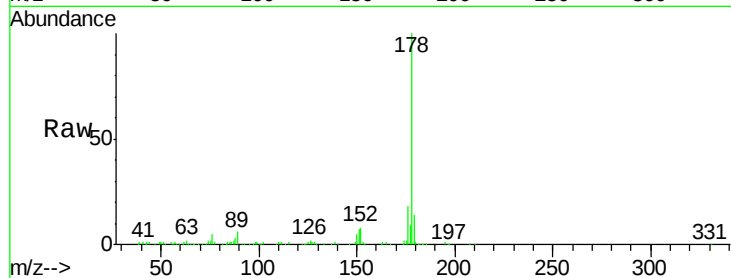
Tot Ion:178 Resp: 168643

Ion Ratio Lower Upper

178 100

176 18.4 16.5 24.7

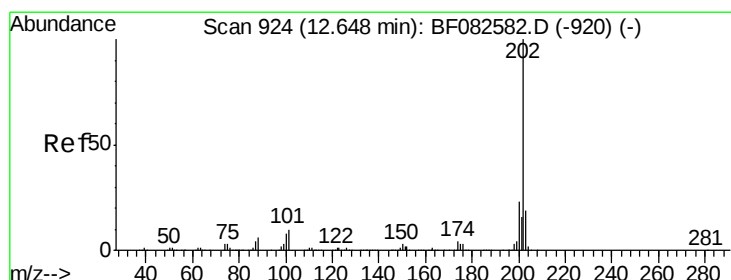
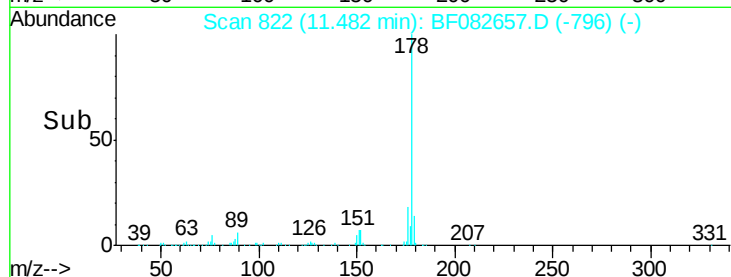
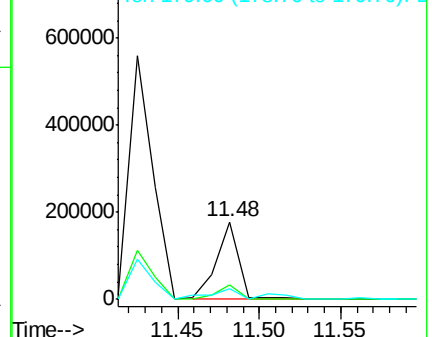
179 14.5 13.2 19.8



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: 32.83 ng

RT: 12.63 min Scan# 922

Delta R.T. 0.00 min

Lab File: BF082657.D

Acq: 3 Nov 2015 12:03

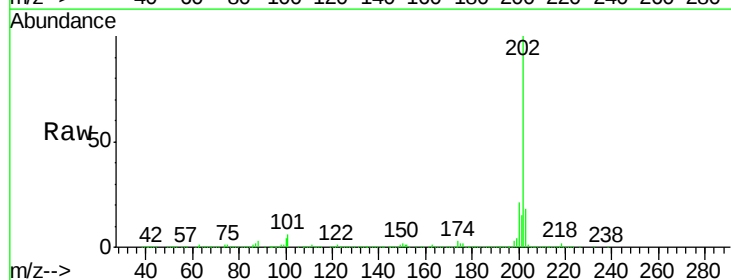
Tgt Ion:202 Resp: 1248164

Ion Ratio Lower Upper

202 100

101 6.0 0.0 30.5

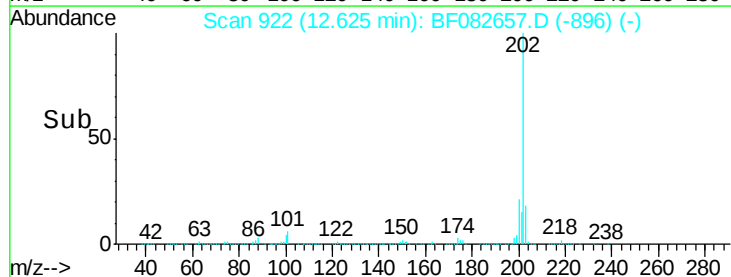
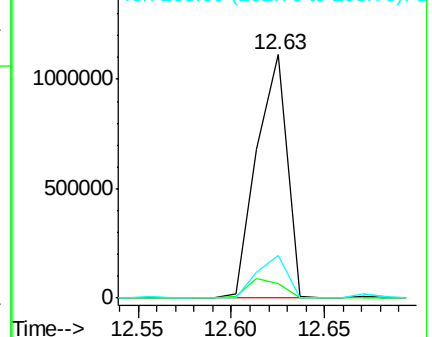
203 17.7 0.0 38.5

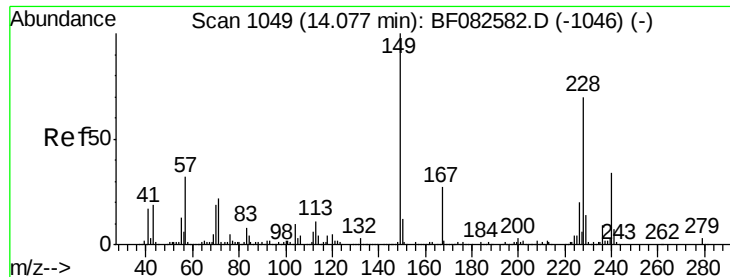


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

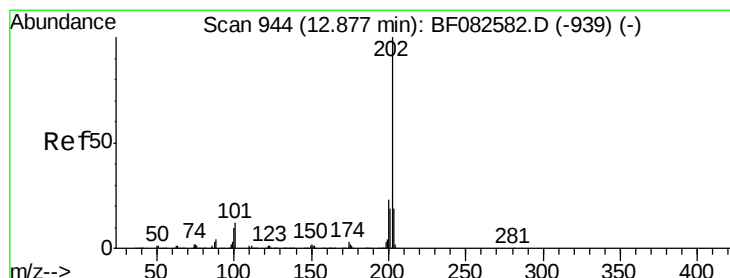
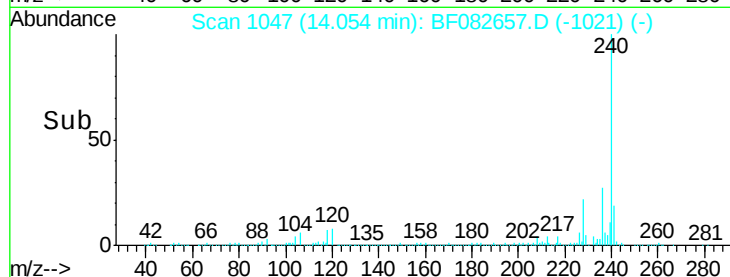
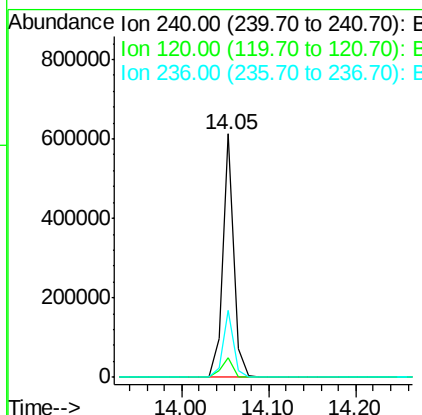
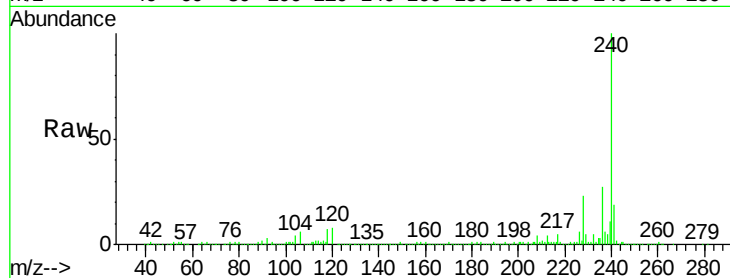




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.05 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BF082657.D
Acq: 3 Nov 2015 12:03

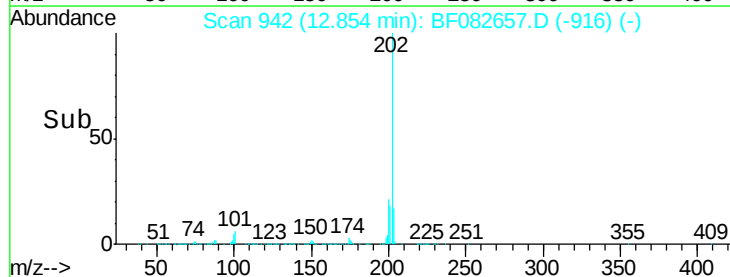
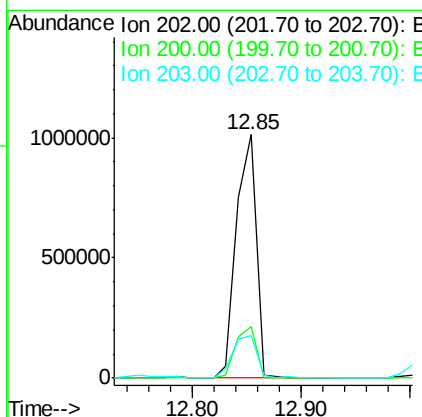
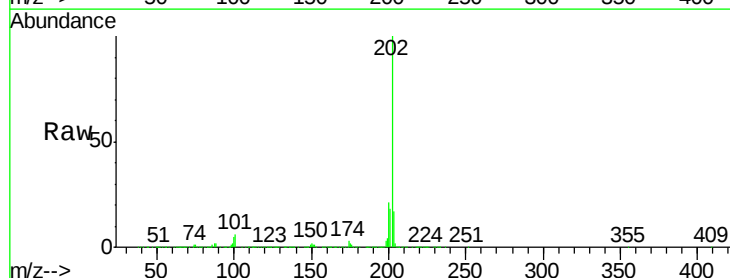
Instrument :
BNA_F
ClientSampleId :
DS-4DL

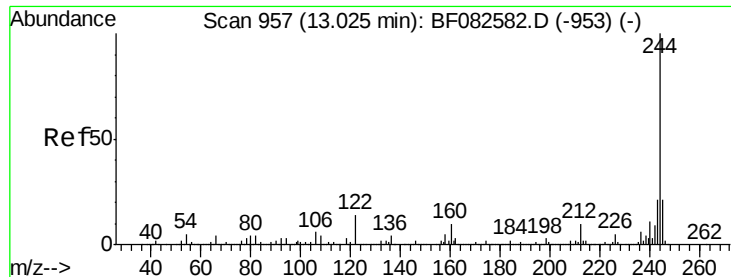
Tot Ion:240 Resp: 542921
Ion Ratio Lower Upper
240 100
120 8.0 10.9 16.3#
236 27.5 21.6 32.4



#77
Pyrene
Concen: 31.30 ng
RT: 12.85 min Scan# 942
Delta R.T. 0.00 min
Lab File: BF082657.D
Acq: 3 Nov 2015 12:03

Tgt Ion:202 Resp: 1258307
Ion Ratio Lower Upper
202 100
200 21.3 18.7 28.1
203 17.5 14.8 22.2

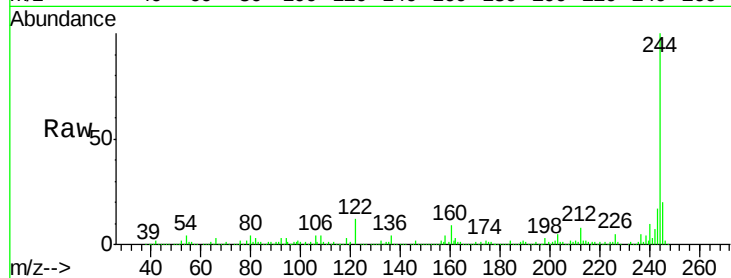




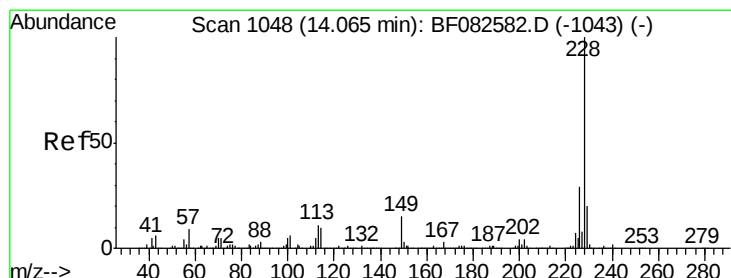
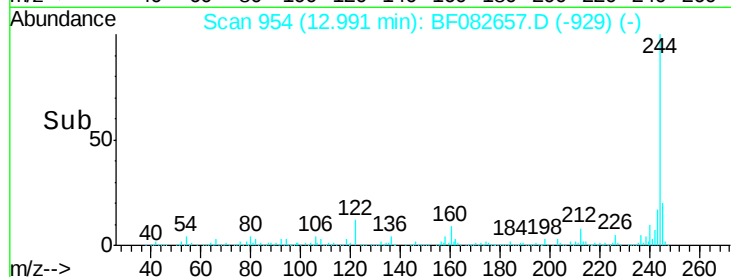
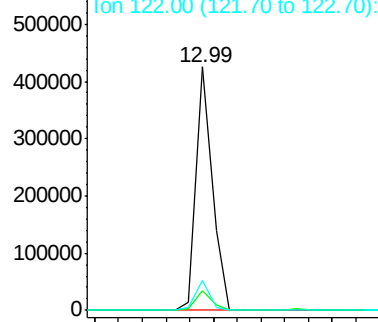
#78
 Terphenyl-d14
 Concen: 16.13 ng
 RT: 12.99 min Scan# 954
 Delta R.T. -0.01 min
 Lab File: BF082657.D
 Acq: 3 Nov 2015 12:03

Instrument :
 BNA_F
 ClientSampleID :
 DS-4DL

Tot Ion:244 Resp: 400048
 Ion Ratio Lower Upper
 244 100
 212 8.0 7.6 11.4
 122 12.3 11.3 16.9

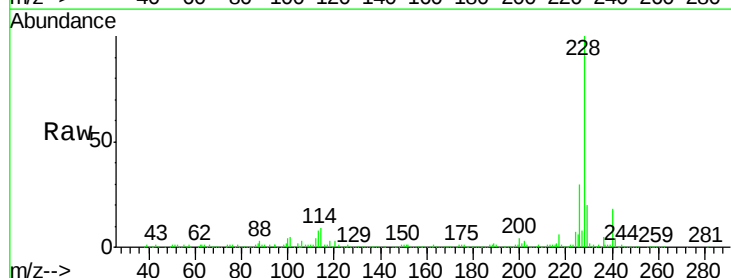


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

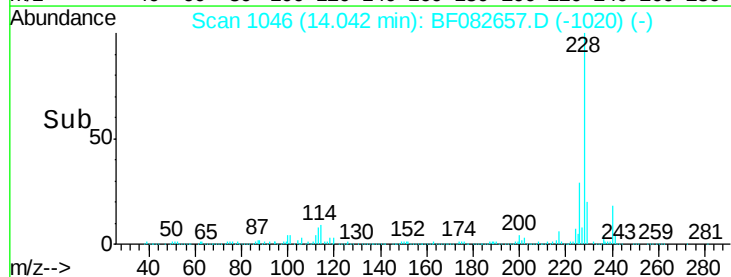
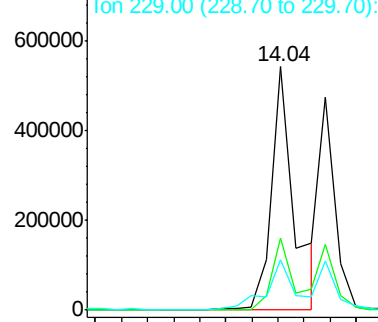


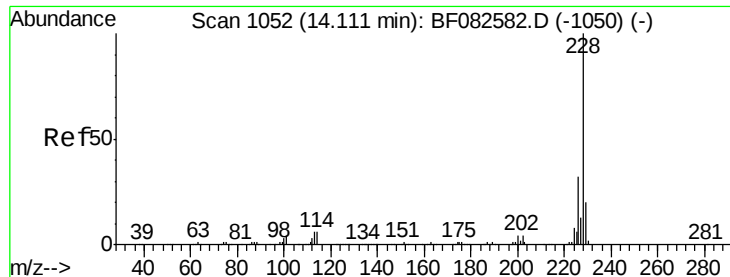
#80
 Benzo(a)anthracene
 Concen: 19.04 ng
 RT: 14.04 min Scan# 1046
 Delta R.T. 0.00 min
 Lab File: BF082657.D
 Acq: 3 Nov 2015 12:03

Tgt Ion:228 Resp: 656599
 Ion Ratio Lower Upper
 228 100
 226 29.7 23.4 35.2
 229 20.5 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 21.01 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.05 min

Lab File: BF082657.D

Acq: 3 Nov 2015 12:03

Instrument :

BNA_F

ClientSampleId :

DS-4DL

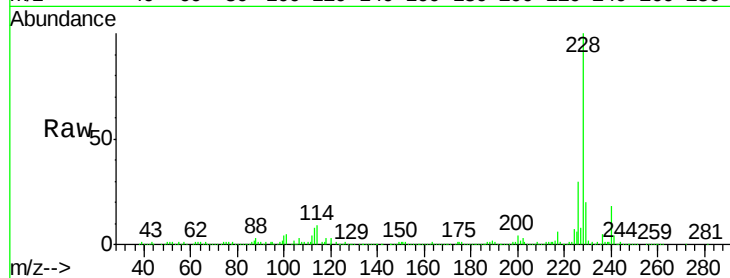
Tot Ion:228 Resp: 656599

Ion Ratio Lower Upper

228 100

226 29.7 25.5 38.3

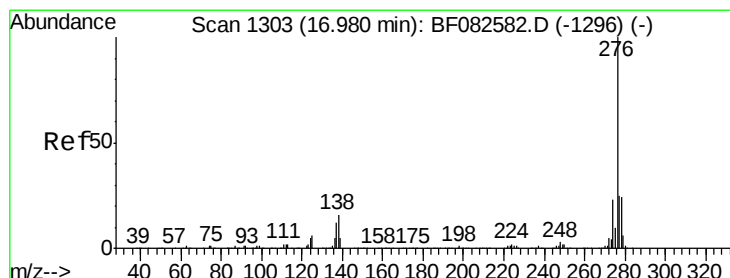
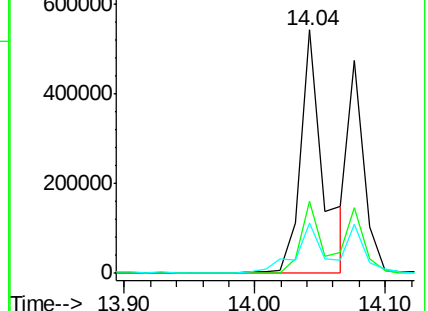
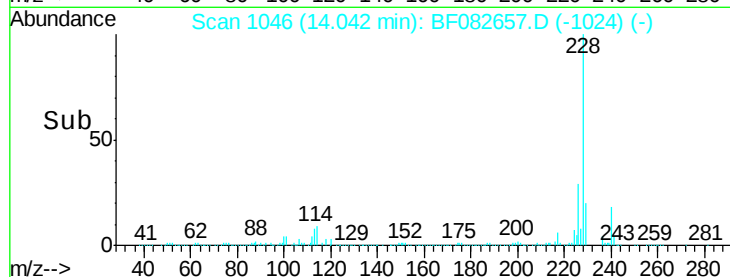
229 20.5 16.3 24.5



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: 11.73 ng

RT: 16.93 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BF082657.D

Acq: 3 Nov 2015 12:03

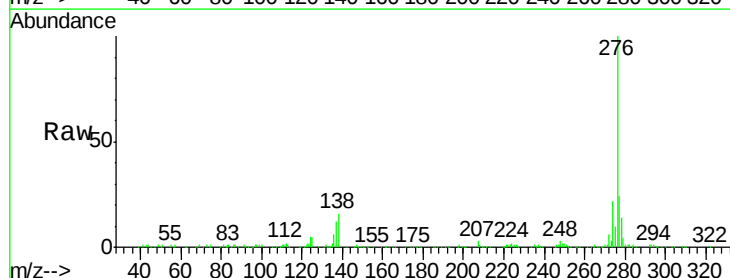
Tgt Ion:276 Resp: 302496

Ion Ratio Lower Upper

276 100

138 17.1 15.3 22.9

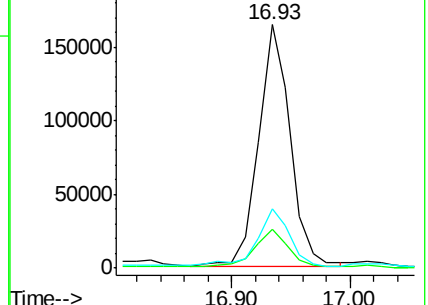
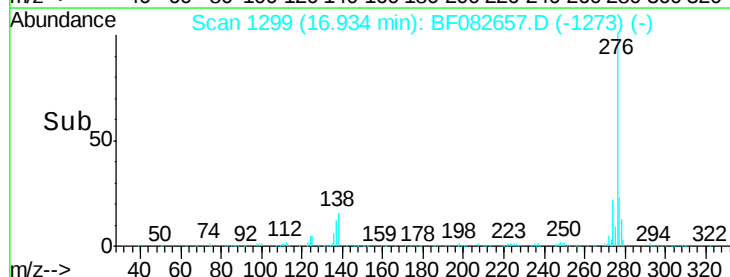
277 25.5 20.2 30.4

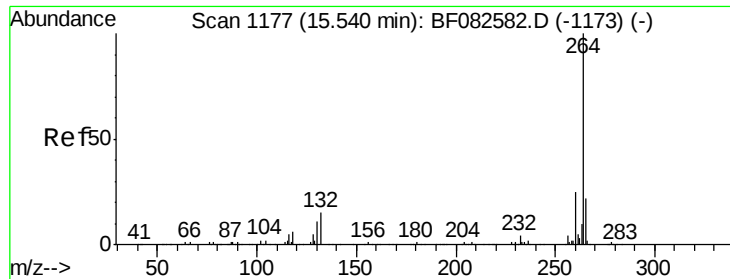


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

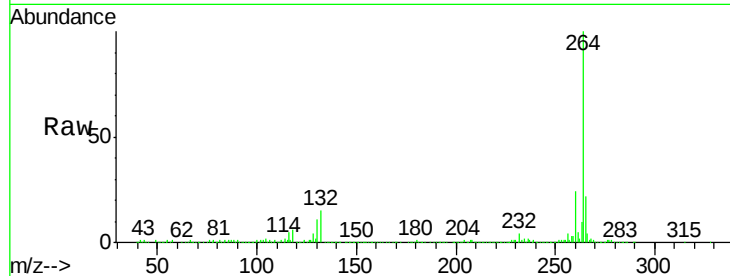




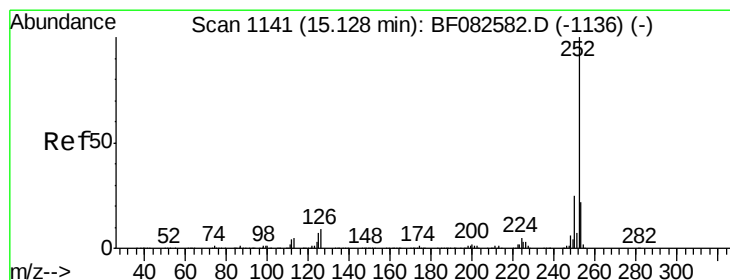
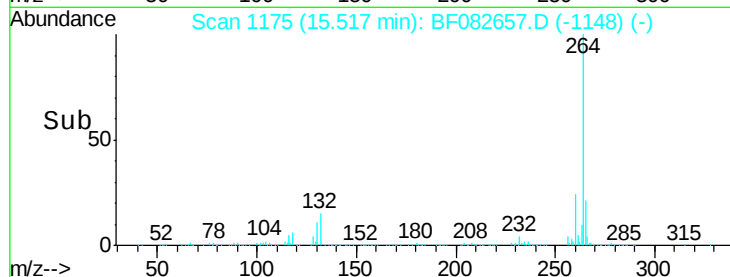
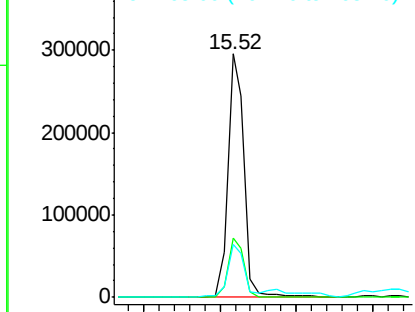
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 1175
Delta R.T. 0.01 min
Lab File: BF082657.D
Acq: 3 Nov 2015 12:03

Instrument :
BNA_F
ClientSampleId :
DS-4DL

Tot Ion:264 Resp: 440222
Ion Ratio Lower Upper
264 100
260 24.5 19.8 29.6
265 21.6 17.4 26.0

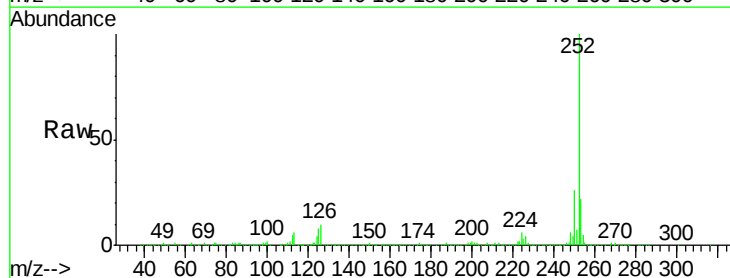


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

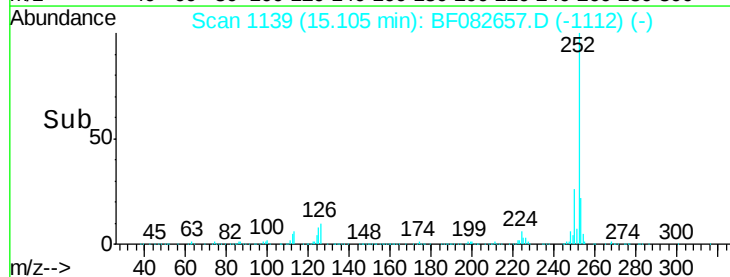
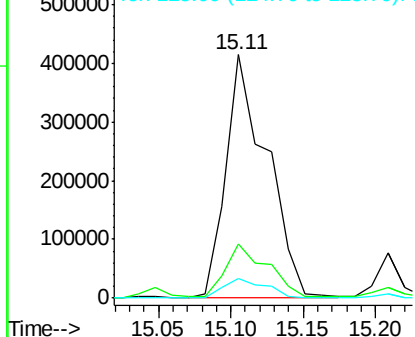


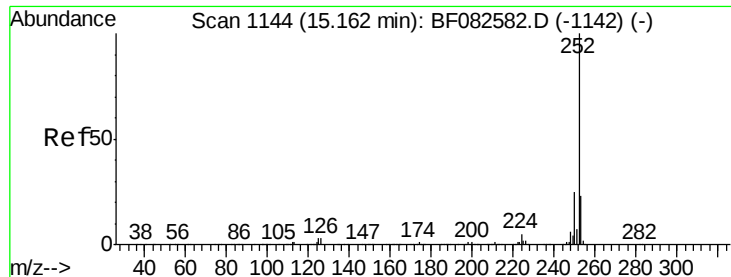
#87
Benzo(b)fluoranthene
Concen: 26.70 ng
RT: 15.11 min Scan# 1139
Delta R.T. 0.01 min
Lab File: BF082657.D
Acq: 3 Nov 2015 12:03

Tgt Ion:252 Resp: 810530
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 8.3 5.4 8.2#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

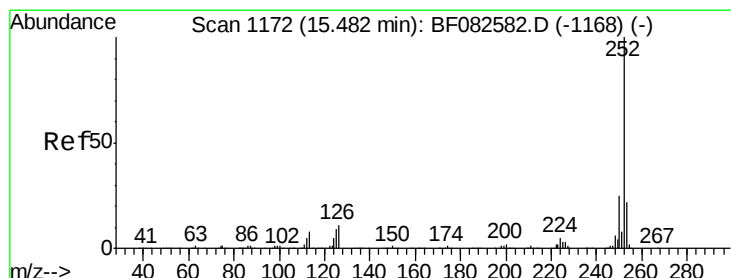
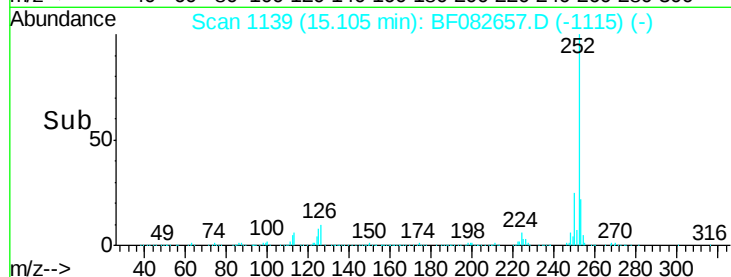
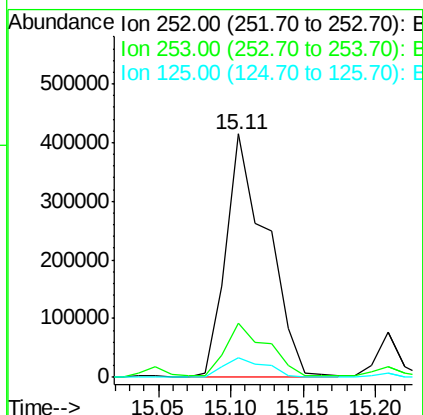
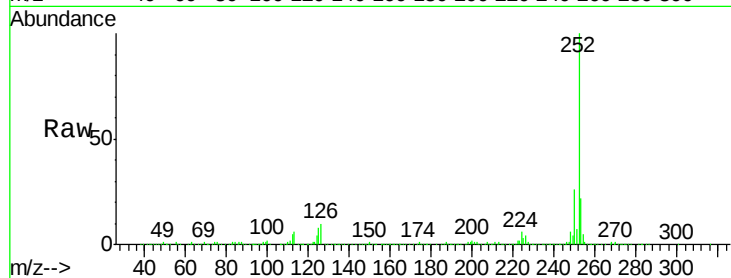




#88
Benzo(k)fluoranthene
Concen: 35.05 ng
RT: 15.11 min Scan# 1139
Delta R.T. -0.02 min
Lab File: BF082657.D
Acq: 3 Nov 2015 12:03

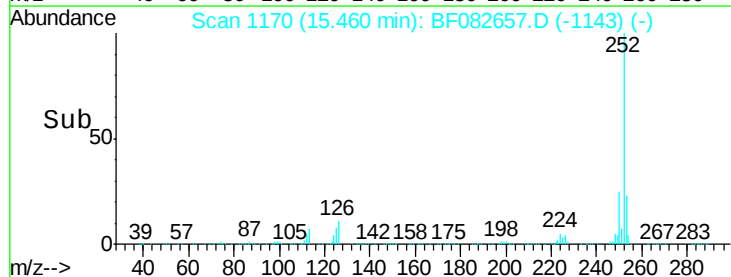
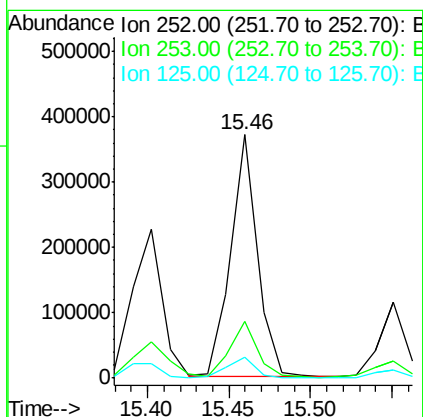
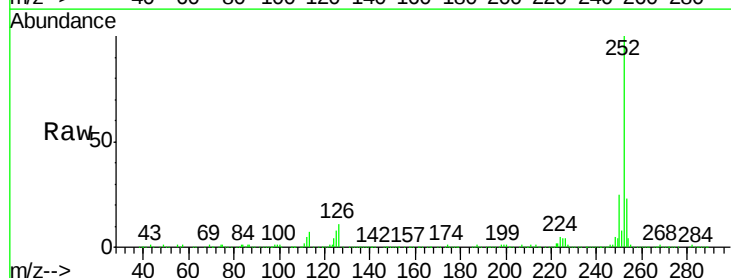
Instrument :
BNA_F
ClientSampled :
DS-4DL

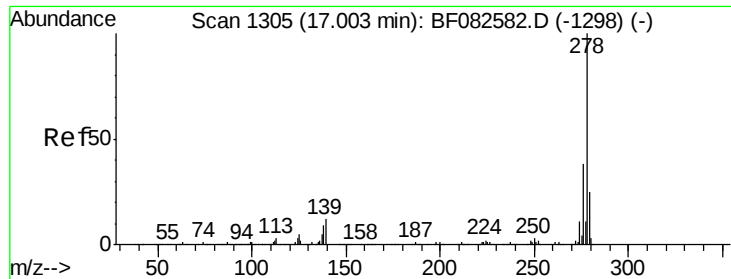
Tot Ion:252 Resp: 810530
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 8.3 3.5 5.3#



#89
Benzo(a)pyrene
Concen: 17.46 ng
RT: 15.46 min Scan# 1170
Delta R.T. 0.01 min
Lab File: BF082657.D
Acq: 3 Nov 2015 12:03

Tgt Ion:252 Resp: 417389
Ion Ratio Lower Upper
252 100
253 23.3 17.3 25.9
125 8.4 7.1 10.7





#90

Dibenzo(a,h)anthracene

Concen: 2.83 ng

RT: 17.11 min Scan# 1314

Delta R.T. 0.15 min

Lab File: BF082657.D

Acq: 3 Nov 2015 12:03

Instrument :

BNA_F

ClientSampleId :

DS-4DL

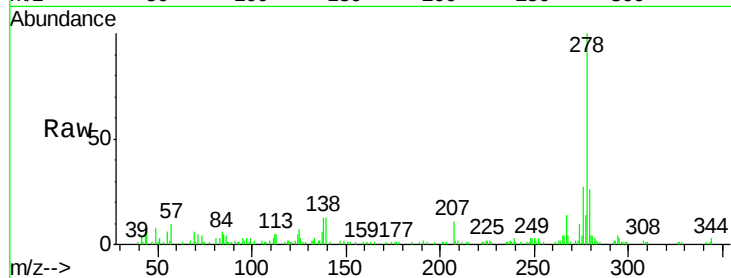
Tot Ion:278 Resp: 63222

Ion Ratio Lower Upper

278 100

139 12.9 9.9 14.9

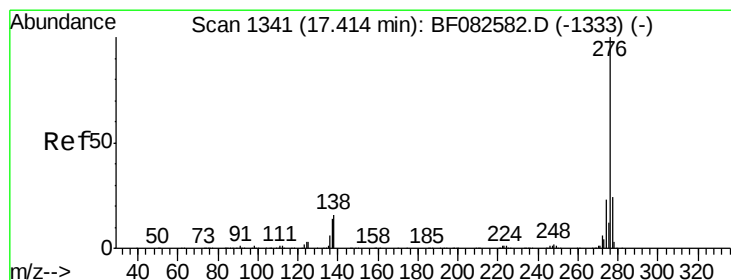
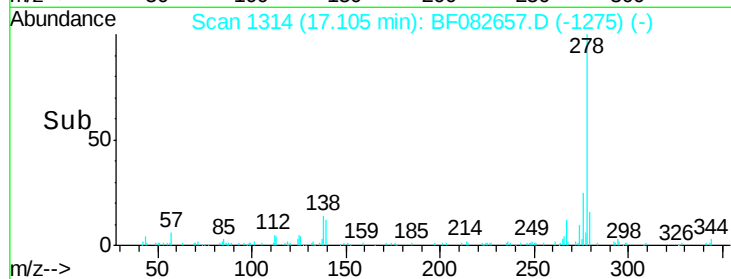
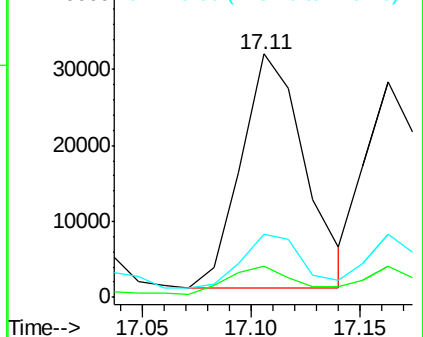
279 26.0 19.6 29.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 13.36 ng

RT: 17.36 min Scan# 1336

Delta R.T. 0.00 min

Lab File: BF082657.D

Acq: 3 Nov 2015 12:03

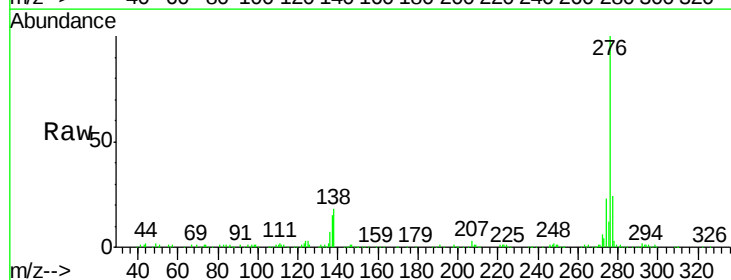
Tgt Ion:276 Resp: 288776

Ion Ratio Lower Upper

276 100

277 23.8 19.2 28.8

138 17.9 13.1 19.7



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

