

Data Path : Z:\HPCHEM1\BNA_F\Data\BF063015\
 Data File : BF080265.D
 Acq On : 1 Jul 2015 8:50
 Operator : TP/IZ
 Sample : G2831-05 5X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3(0-2)

Quant Time: Jul 01 13:56:49 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 23 00:53:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.28	152	33768	20.00	ng	-0.05
21) Naphthalene-d8	8.57	136	139774	20.00	ng	-0.05
38) Acenaphthene-d10	10.34	164	72172	20.00	ng	-0.05
63) Phenanthrene-d10	11.86	188	145347	20.00	ng	-0.05
75) Chrysene-d12	14.92	240	164023	20.00	ng	-0.08
86) Perylene-d12	16.86	264	162890	20.00	ng	-0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.90	112	56149	29.43	ng	-0.03
7) Phenol-d6	6.89	99	76558	30.16	ng	-0.03
23) Nitrobenzene-d5	7.84	82	45906	19.12	ng	-0.03
41) 2,4,6-Tribromophenol	11.14	330	16584	23.50	ng	-0.03
44) 2-Fluorobiphenyl	9.65	172	88453	17.48	ng	-0.05
78) Terphenyl-d14	13.59	244	98165	13.98	ng	-0.08

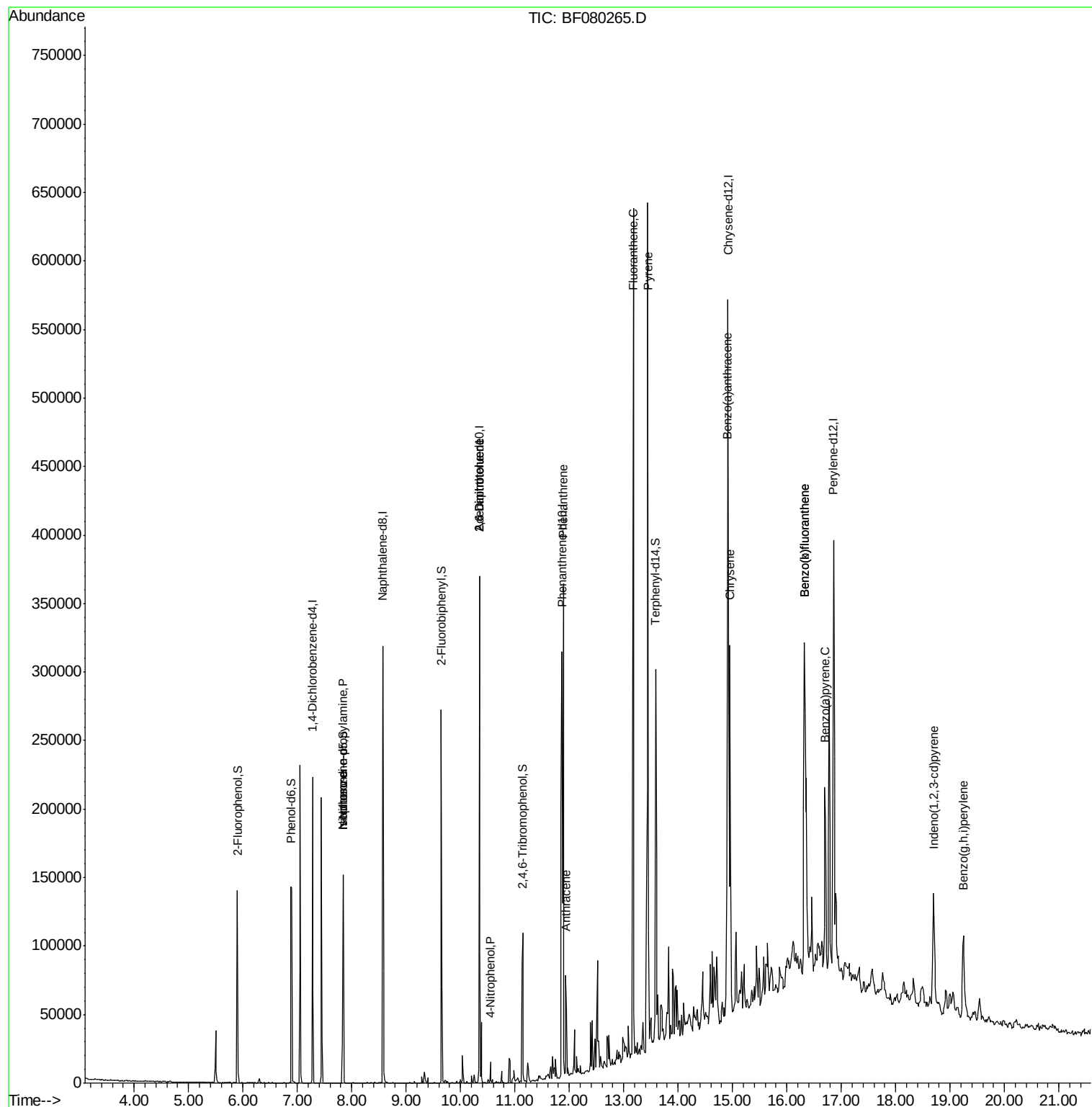
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.84	70	5362	3.04	ng	# 56
25) Isophorone	7.84	82	45914	9.50	ng	# 58
50) 2,6-Dinitrotoluene	10.34	165	9549	8.78	ng	# 37
55) 4-Nitrophenol	10.55	139	2204	2.20	ng	# 25
56) 2,4-Dinitrotoluene	10.34	165	9550	6.92	ng	# 31
70) Phenanthrene	11.89	178	147486	16.76	ng	98
71) Anthracene	11.93	178	41662	4.92	ng	97
74) Fluoranthene	13.18	202	294247	31.40	ng	89
77) Pyrene	13.44	202	272005	26.93	ng	97
80) Benzo(a)anthracene	14.91	228	152706	15.28	ng	97
82) Chrysene	14.95	228	126503	13.73	ng	91
85) Indeno(1,2,3-cd)pyrene	18.70	276	68978	5.94	ng	# 86
87) Benzo(b)fluoranthene	16.32	252	222309	22.54	ng	# 88
88) Benzo(k)fluoranthene	16.32	252	222309	22.14	ng	# 89
89) Benzo(a)pyrene	16.70	252	75073	8.02	ng	95
91) Benzo(g,h,i)perylene	19.25	276	66172	6.84	ng	# 79

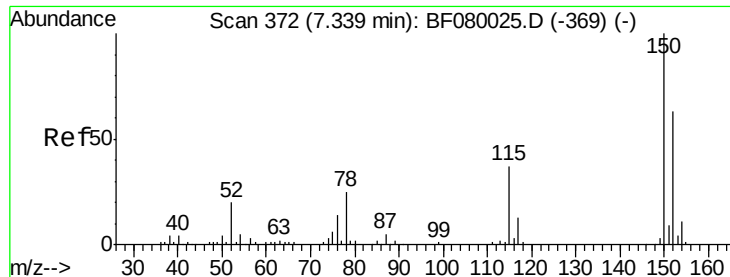
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.28 min Scan# 367

Delta R.T. -0.05 min

Lab File: BF080265.D

Acq: 1 Jul 2015 8:50

Instrument :

BNA_F

ClientSampleId :

SP-3(0-2)

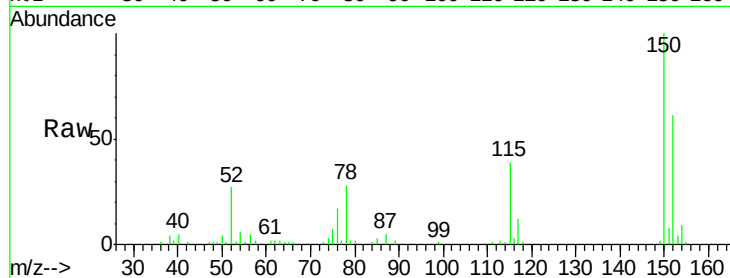
Tgt Ion:152 Resp: 33768

Ion Ratio Lower Upper

152 100

150 165.0 124.7 187.1

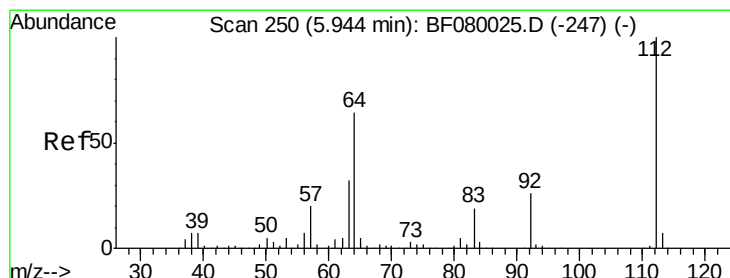
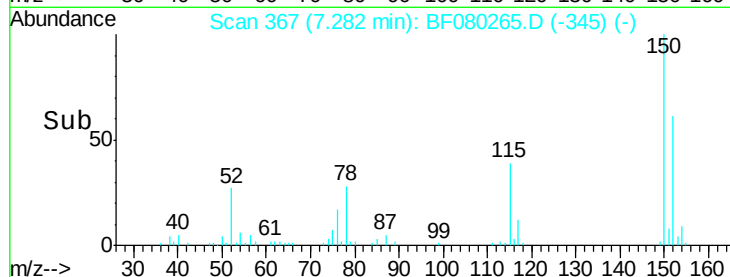
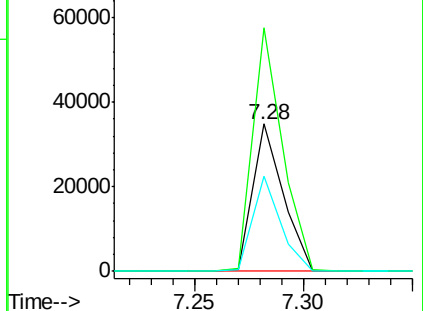
115 64.5 39.0 58.4#



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: 29.43 ng

RT: 5.90 min Scan# 246

Delta R.T. -0.03 min

Lab File: BF080265.D

Acq: 1 Jul 2015 8:50

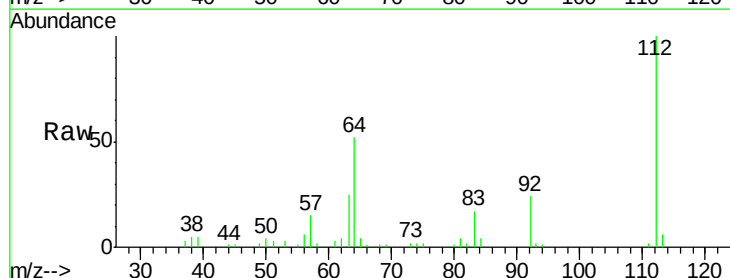
Tgt Ion:112 Resp: 56149

Ion Ratio Lower Upper

112 100

64 51.5 39.7 59.5

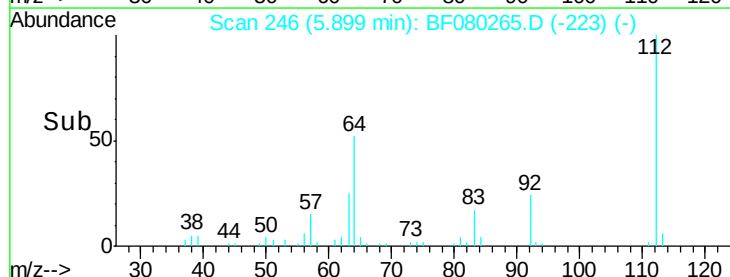
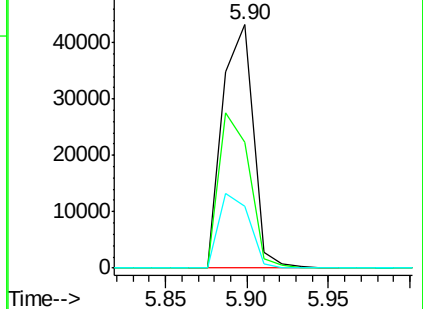
63 25.2 17.4 26.0

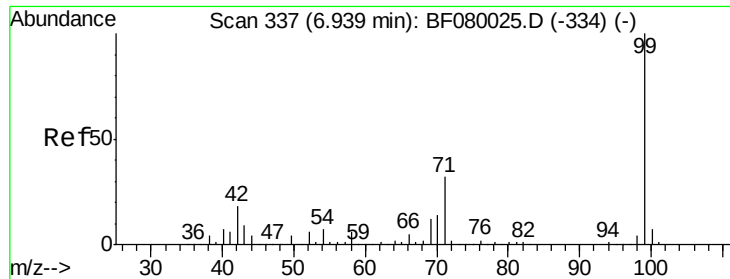


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 30.16 ng

RT: 6.89 min Scan# 333

Delta R.T. -0.03 min

Lab File: BF080265.D

Acq: 1 Jul 2015 8:50

Instrument :

BNA_F

ClientSampleId :

SP-3(0-2)

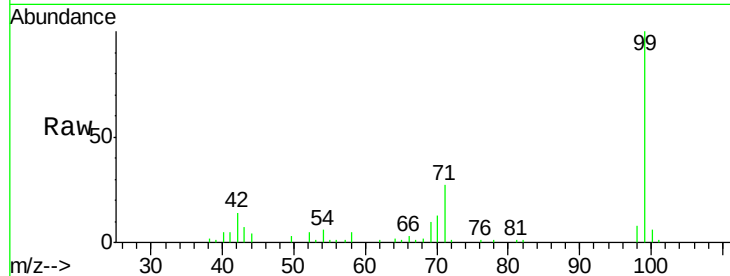
Tgt Ion: 99 Resp: 76558

Ion Ratio Lower Upper

99 100

42 13.6 13.7 20.5#

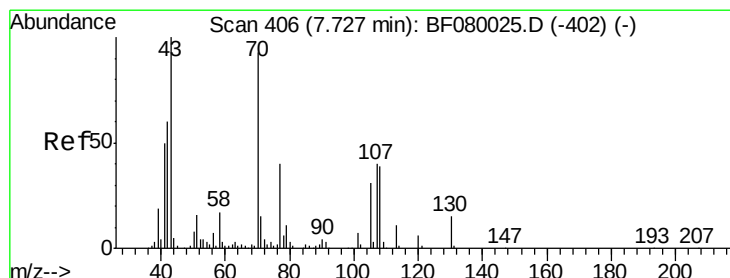
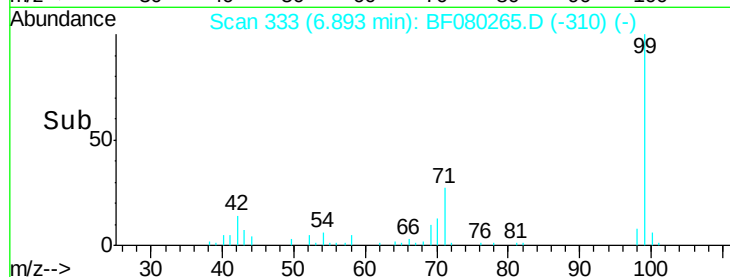
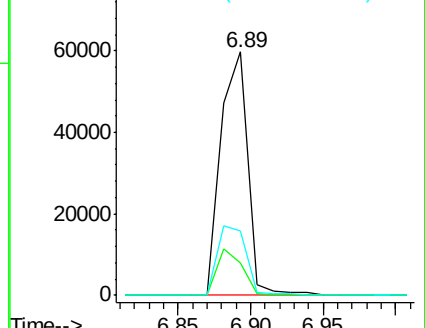
71 26.6 14.2 21.2#



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: 3.04 ng

RT: 7.84 min Scan# 416

Delta R.T. 0.13 min

Lab File: BF080265.D

Acq: 1 Jul 2015 8:50

Tgt Ion: 70 Resp: 5362

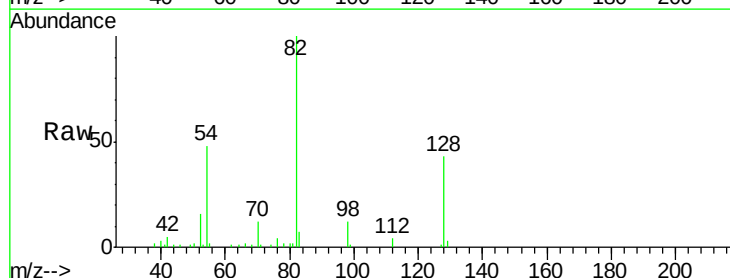
Ion Ratio Lower Upper

70 100

42 45.1 63.8 95.6#

101 0.0 9.2 13.8#

130 0.0 27.3 40.9#

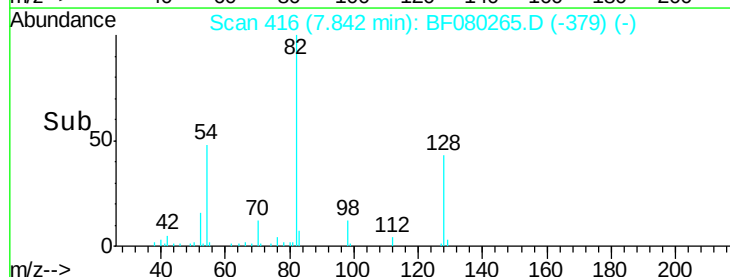
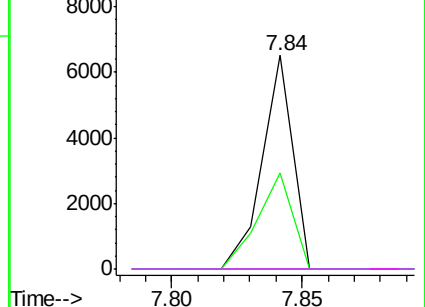


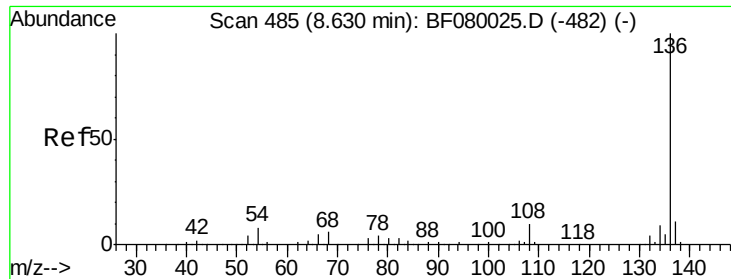
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

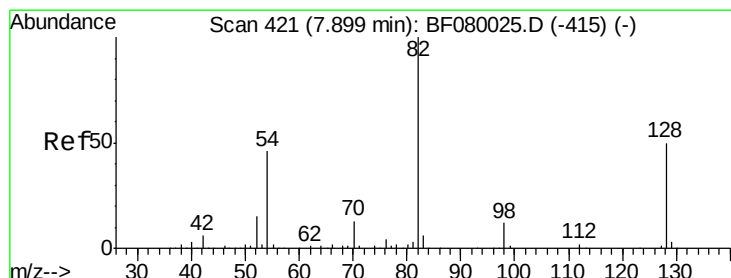
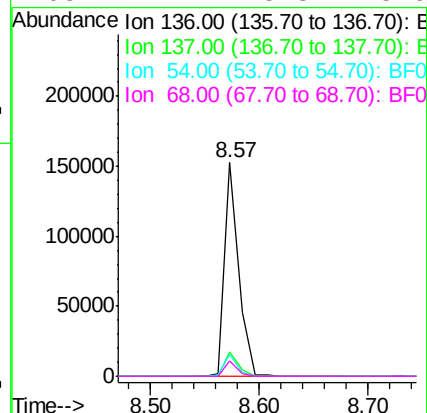
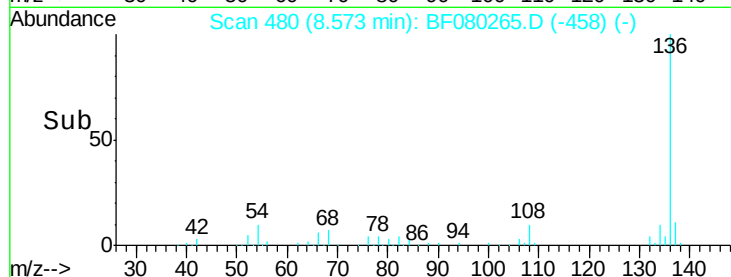
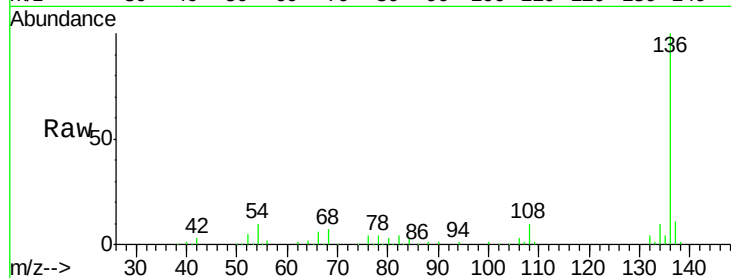




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.57 min Scan# 480
Delta R.T. -0.05 min
Lab File: BF080265.D
Acq: 1 Jul 2015 8:50

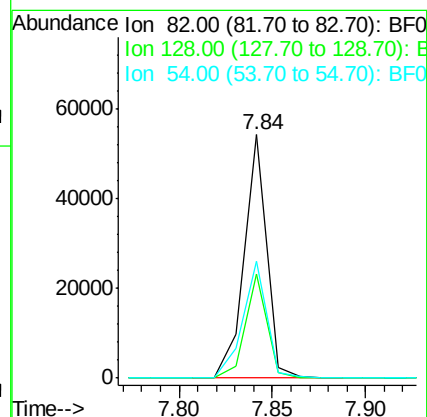
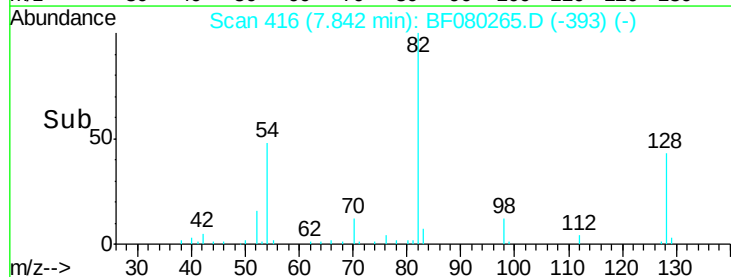
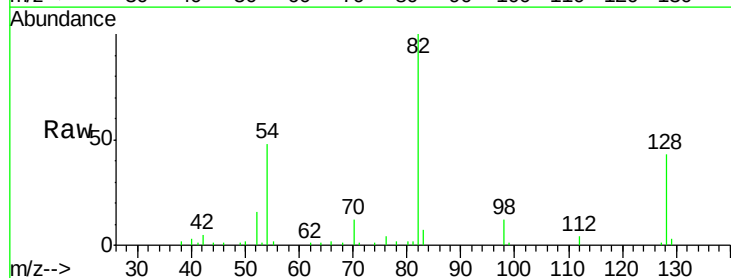
Instrument :
BNA_F
ClientSampleId :
SP-3(0-2)

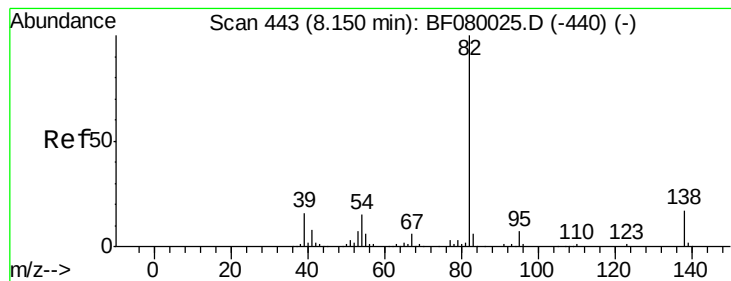
Tgt Ion:	136	Resp:	139774
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.6
54	10.2	8.2	12.2
68	7.4	5.8	8.6



#23
Nitrobenzene-d5
Concen: 19.12 ng
RT: 7.84 min Scan# 416
Delta R.T. -0.03 min
Lab File: BF080265.D
Acq: 1 Jul 2015 8:50

Tgt Ion:	82	Resp:	45906
Ion	Ratio	Lower	Upper
82	100		
128	42.7	51.0	76.6#
54	48.0	47.5	71.3





#25

Isophorone

Concen: 9.50 ng

RT: 7.84 min Scan# 416

Delta R.T. -0.30 min

Lab File: BF080265.D

Acq: 1 Jul 2015 8:50

Instrument :

BNA_F

ClientSampleId :

SP-3(0-2)

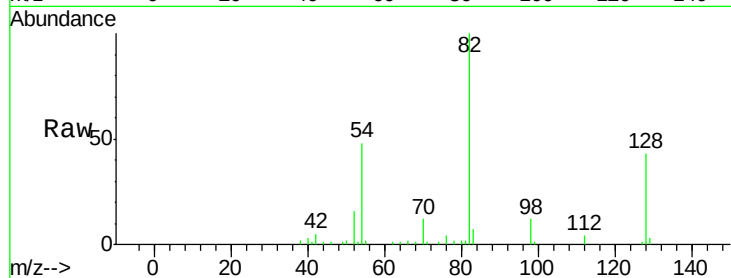
Tgt Ion: 82 Resp: 45914

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

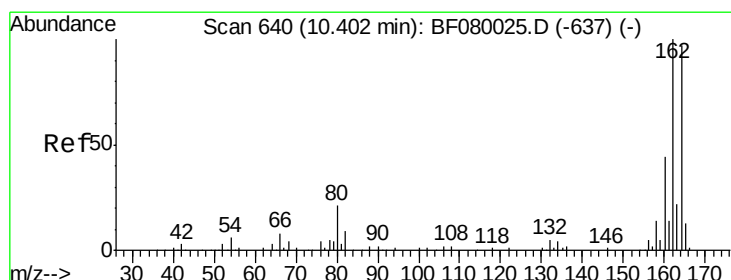
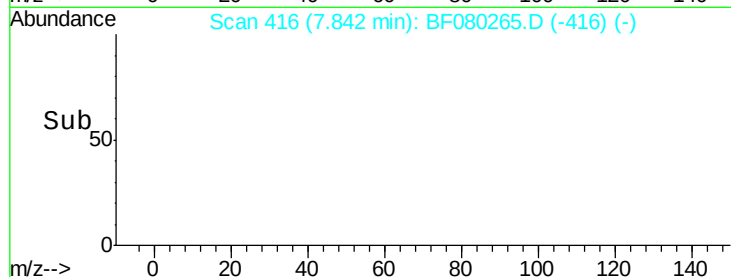
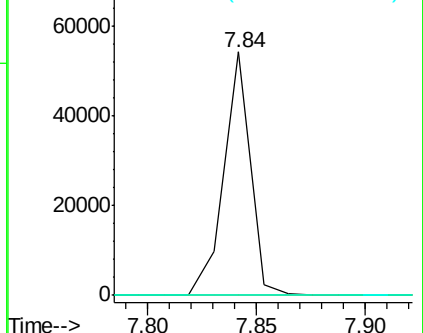
138 0.0 18.3 27.5#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.34 min Scan# 635

Delta R.T. -0.05 min

Lab File: BF080265.D

Acq: 1 Jul 2015 8:50

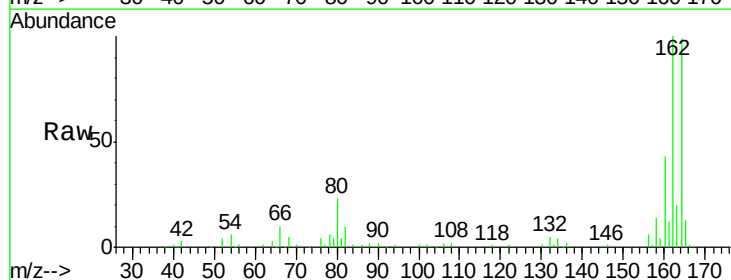
Tgt Ion: 164 Resp: 72172

Ion Ratio Lower Upper

164 100

162 101.0 75.2 112.8

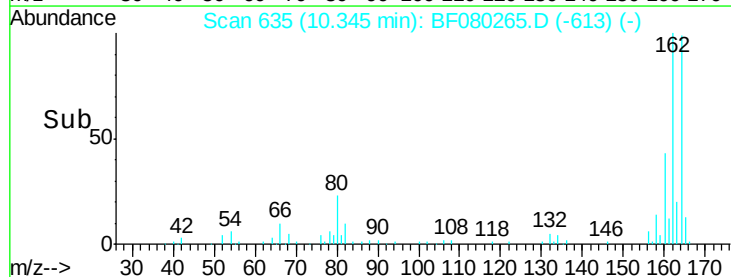
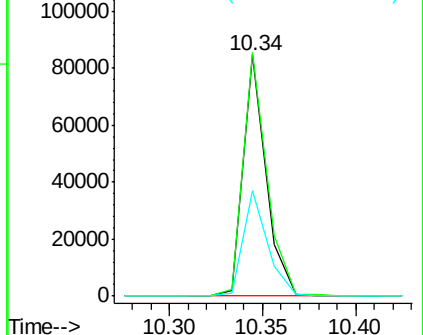
160 43.8 31.5 47.3

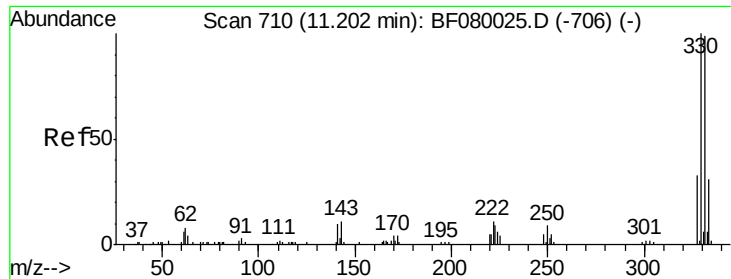


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

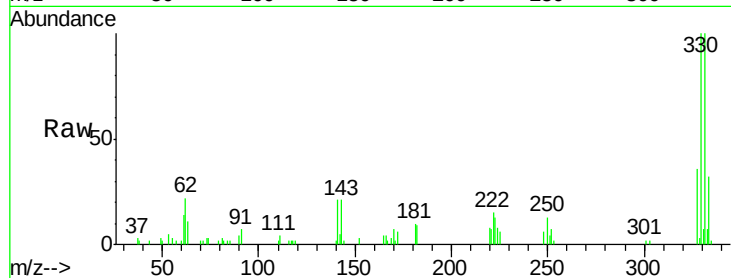




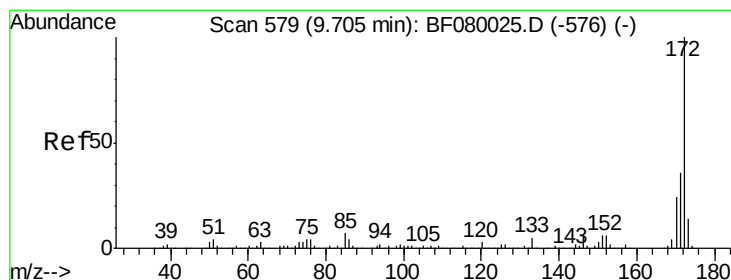
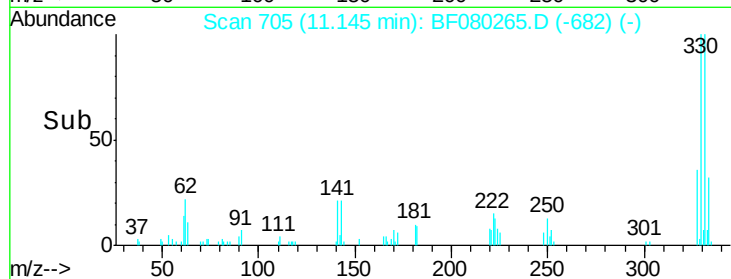
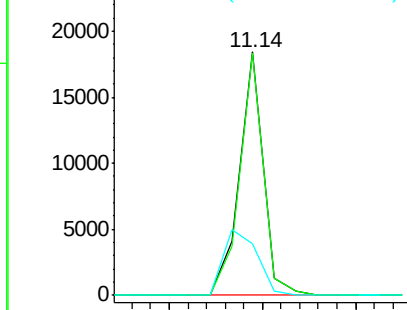
#41
 2,4,6-Tribromophenol
 Concen: 23.50 ng
 RT: 11.14 min Scan# 705
 Delta R.T. -0.03 min
 Lab File: BF080265.D
 Acq: 1 Jul 2015 8:50

Instrument :
 BNA_F
 ClientSampleId :
 SP-3(0-2)

Tgt Ion:330 Resp: 16584
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.6 114.8
 141 38.0 29.7 44.5

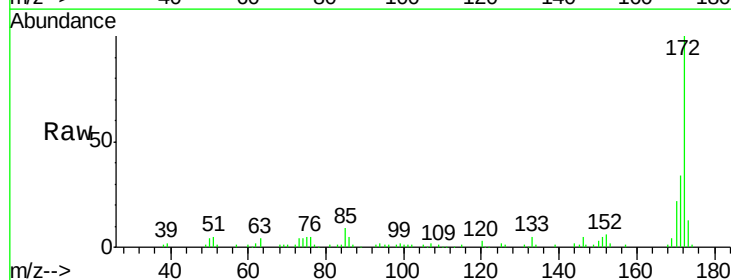


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

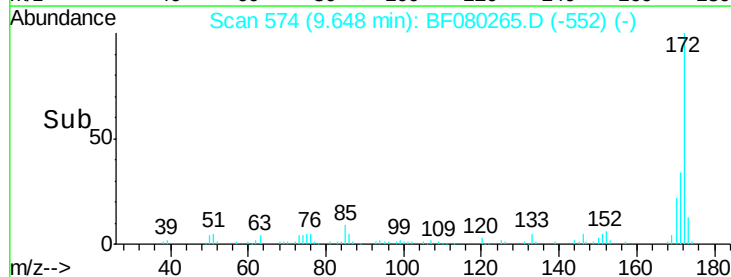
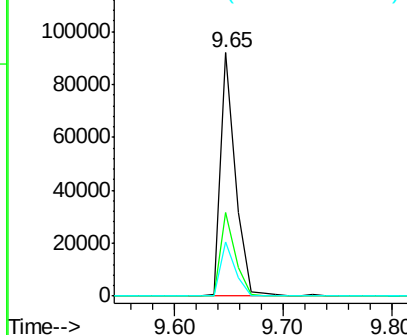


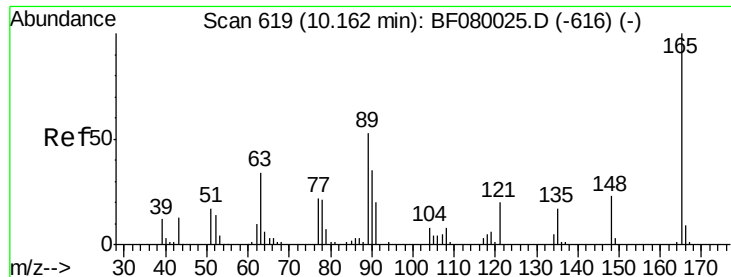
#44
 2-Fluorobiphenyl
 Concen: 17.48 ng
 RT: 9.65 min Scan# 574
 Delta R.T. -0.05 min
 Lab File: BF080265.D
 Acq: 1 Jul 2015 8:50

Tgt Ion:172 Resp: 88453
 Ion Ratio Lower Upper
 172 100
 171 34.1 26.1 39.1
 170 22.3 17.4 26.2



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

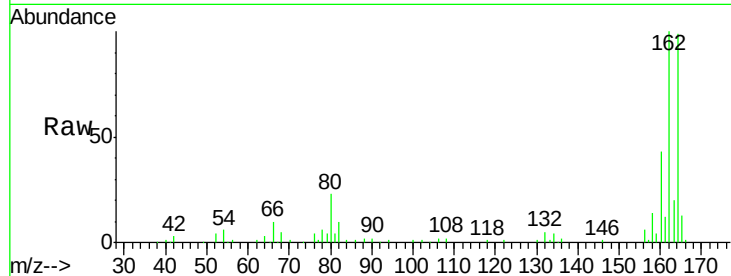




#50
 2,6-Dinitrotoluene
 Concen: 8.78 ng
 RT: 10.34 min Scan# 635
 Delta R.T. 0.19 min
 Lab File: BF080265.D
 Acq: 1 Jul 2015 8:50

Instrument :
 BNA_F
 ClientSampleId :
 SP-3(0-2)

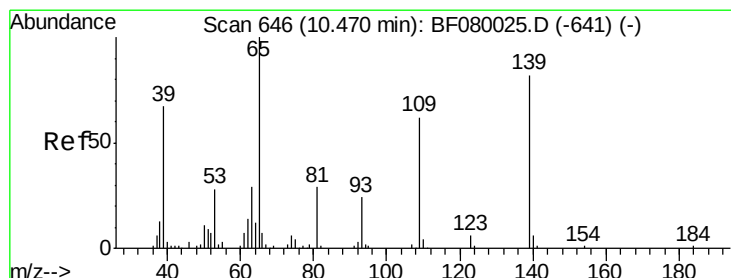
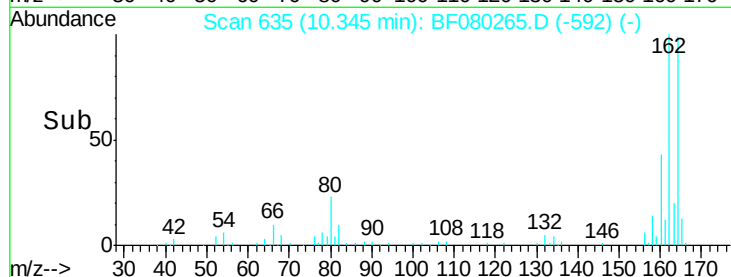
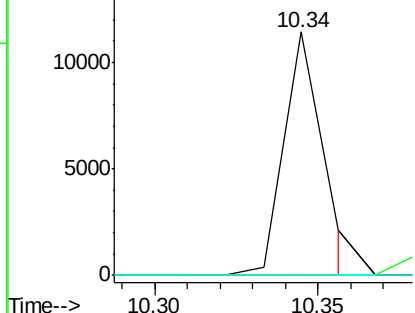
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	32.3	48.5#
89	0.0	28.6	43.0#



Abundance Ion 165.00 (164.70 to 165.70): E

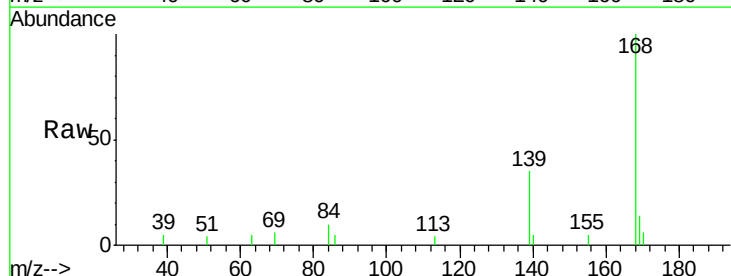
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#55
 4-Nitrophenol
 Concen: 2.20 ng
 RT: 10.55 min Scan# 653
 Delta R.T. 0.09 min
 Lab File: BF080265.D
 Acq: 1 Jul 2015 8:50

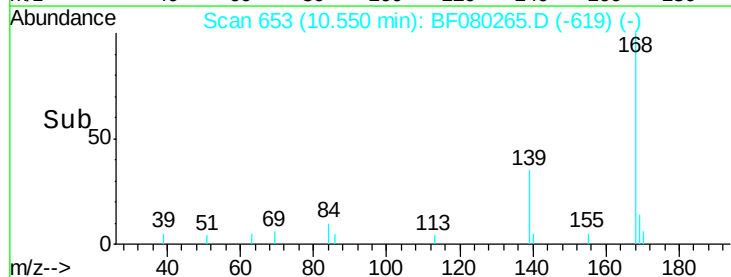
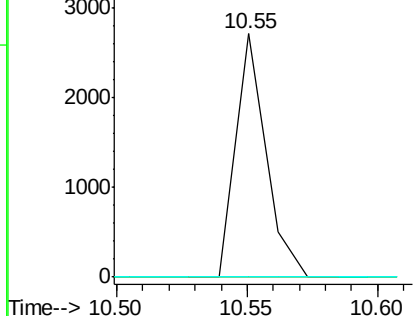
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	12.7	52.7#
65	0.0	45.9	85.9#

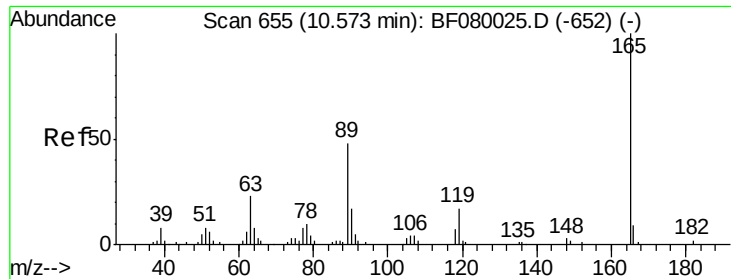


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.92 ng

RT: 10.34 min Scan# 635

Delta R.T. -0.21 min

Lab File: BF080265.D

Acq: 1 Jul 2015 8:50

Instrument :

BNA_F

ClientSampleId :

SP-3(0-2)

Tgt Ion:165 Resp: 9550

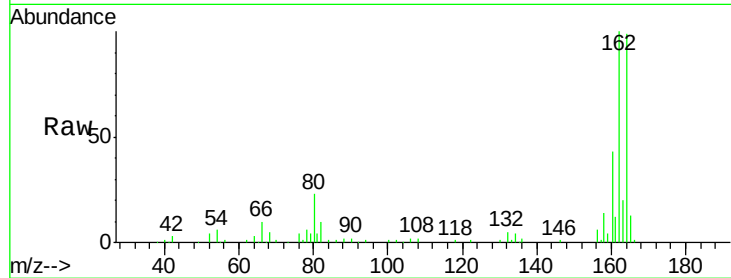
Ion Ratio Lower Upper

165 100

63 0.0 29.8 44.6#

89 0.0 44.5 66.7#

182 0.0 3.0 4.4#

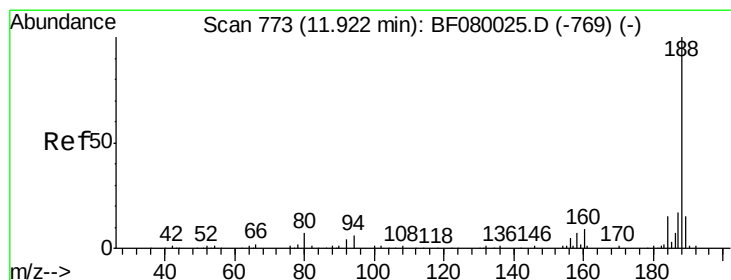
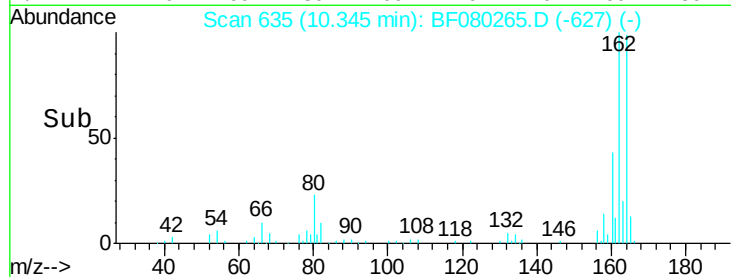
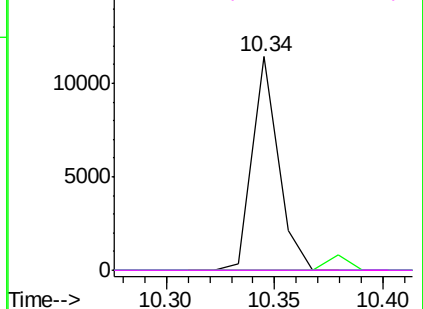


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.86 min Scan# 768

Delta R.T. -0.05 min

Lab File: BF080265.D

Acq: 1 Jul 2015 8:50

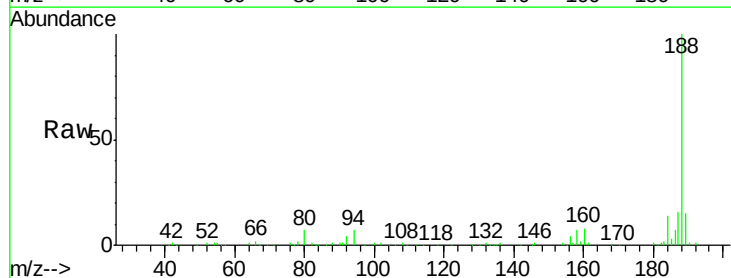
Tgt Ion:188 Resp: 145347

Ion Ratio Lower Upper

188 100

94 6.7 11.1 16.7#

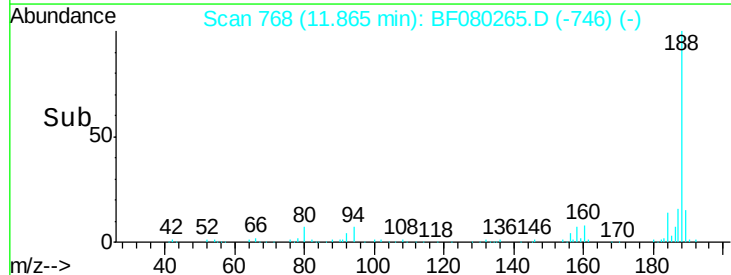
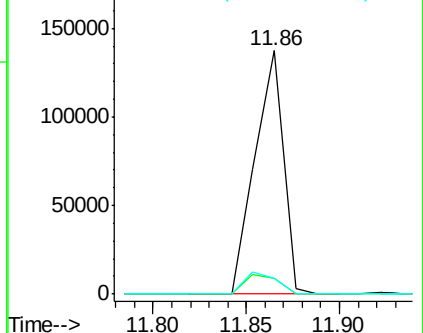
80 6.7 11.0 16.4#

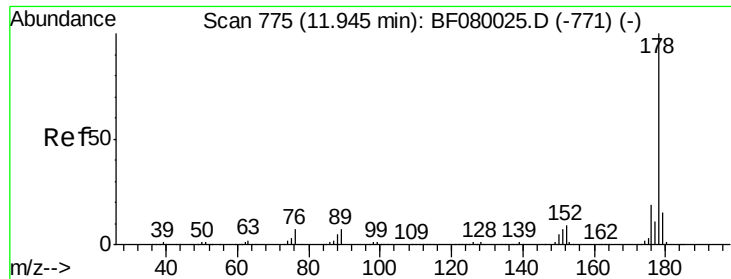


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

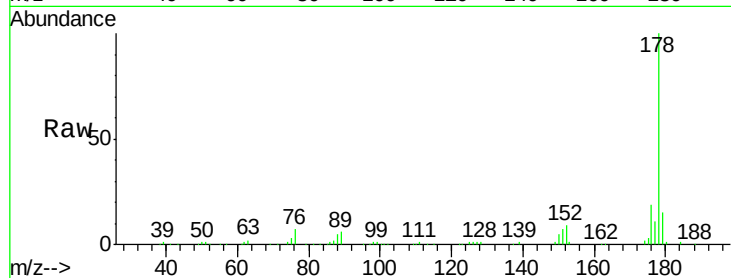




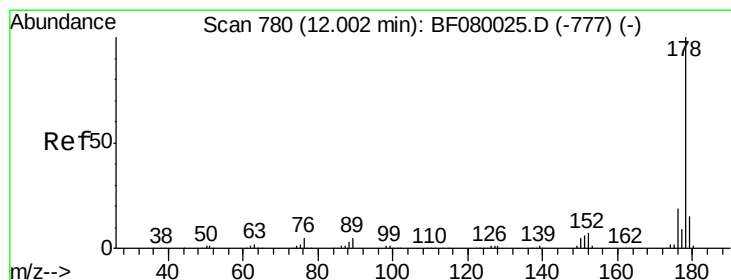
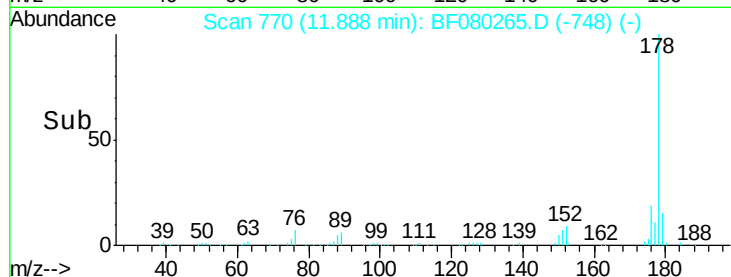
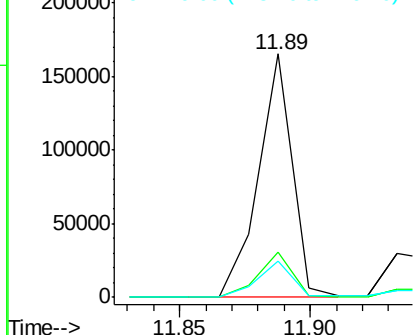
#70
Phenanthrene
Concen: 16.76 ng
RT: 11.89 min Scan# 770
Delta R.T. -0.05 min
Lab File: BF080265.D
Acq: 1 Jul 2015 8:50

Instrument :
BNA_F
ClientSampleId :
SP-3(0-2)

Tgt Ion:178 Resp: 147486
Ion Ratio Lower Upper
178 100
176 18.8 13.8 20.8
179 14.9 12.2 18.2

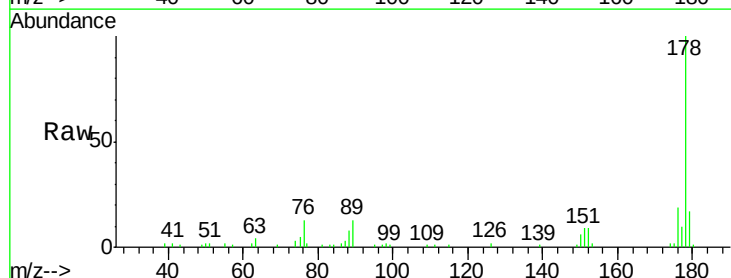


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

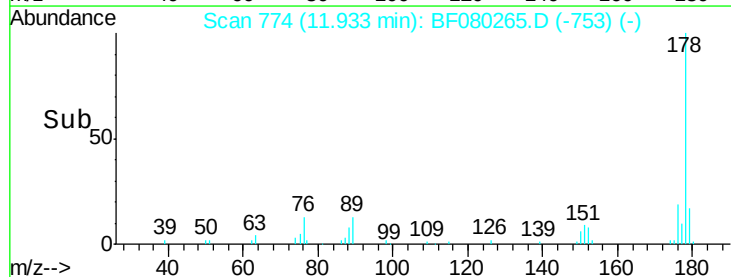
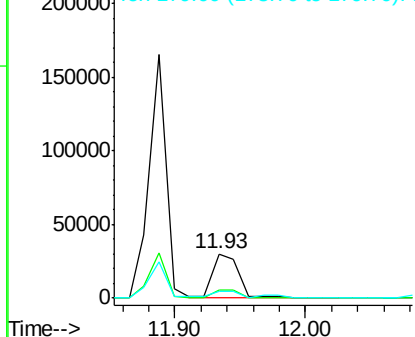


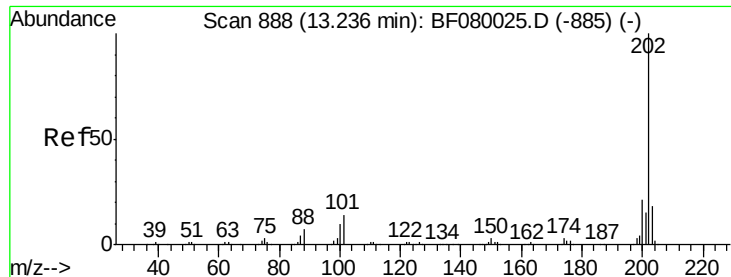
#71
Anthracene
Concen: 4.92 ng
RT: 11.93 min Scan# 774
Delta R.T. -0.06 min
Lab File: BF080265.D
Acq: 1 Jul 2015 8:50

Tgt Ion:178 Resp: 41662
Ion Ratio Lower Upper
178 100
176 19.1 14.1 21.1
179 16.7 12.2 18.2



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





#74

Fluoranthene

Concen: 31.40 ng

RT: 13.18 min Scan# 883

Delta R.T. -0.07 min

Lab File: BF080265.D

Acq: 1 Jul 2015 8:50

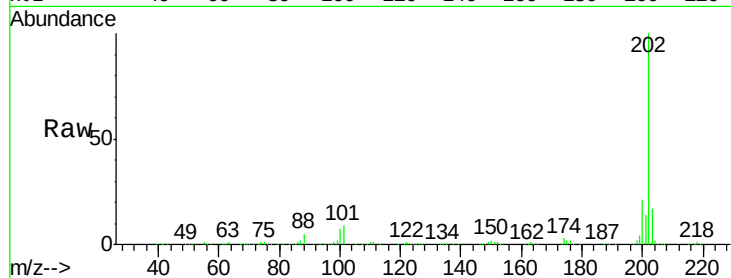
Instrument :

BNA_F

ClientSampleId :

SP-3(0-2)

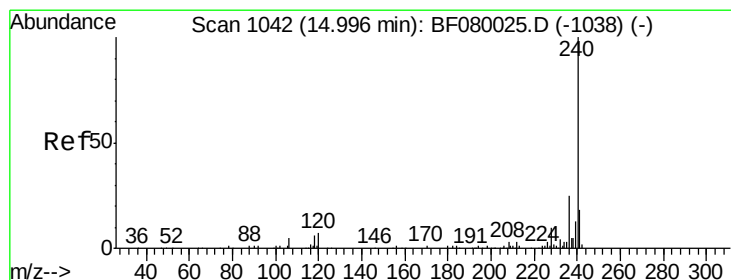
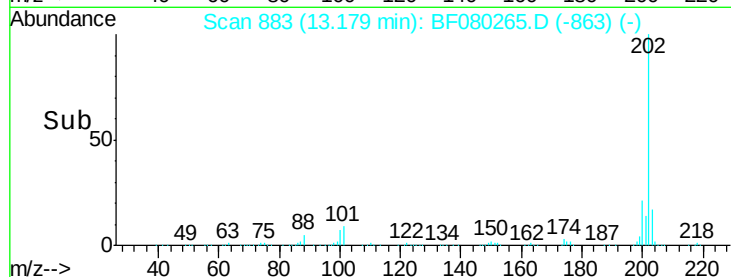
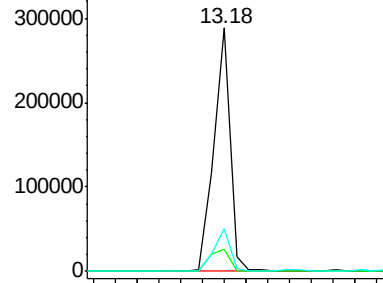
Tgt Ion:	202	Resp:	294247
Ion Ratio	Lower	Upper	
202	100		
101	9.2	0.0	38.3
203	17.4	0.0	37.3



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

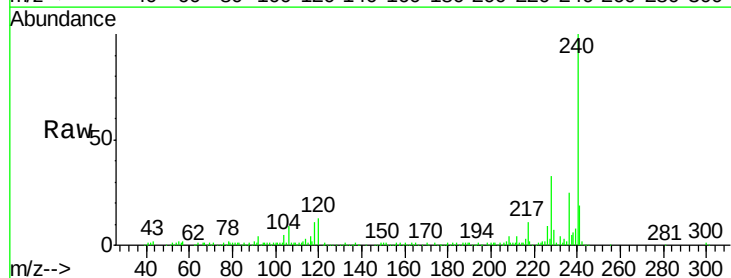
RT: 14.92 min Scan# 1035

Delta R.T. -0.08 min

Lab File: BF080265.D

Acq: 1 Jul 2015 8:50

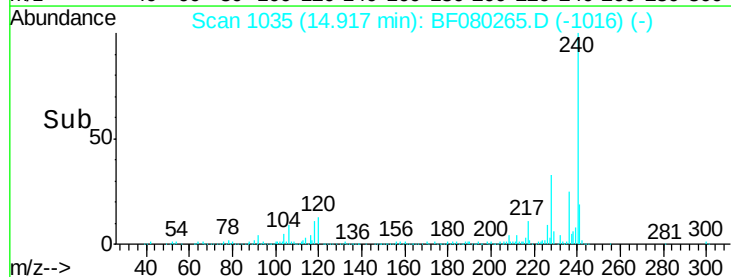
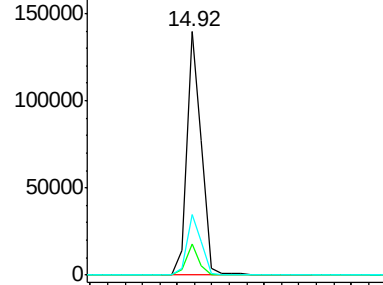
Tgt Ion:	240	Resp:	164023
Ion Ratio	Lower	Upper	
240	100		
120	12.9	16.2	24.2#
236	25.1	18.4	27.6

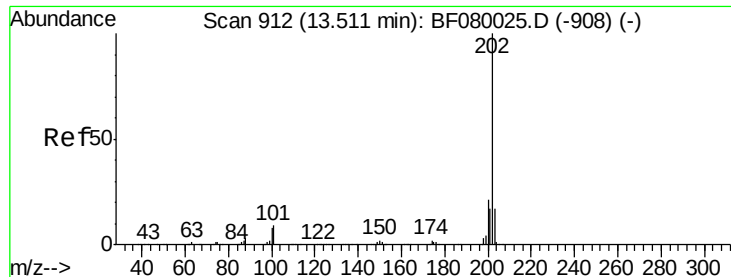


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 26.93 ng

RT: 13.44 min Scan# 906

Delta R.T. -0.07 min

Lab File: BF080265.D

Acq: 1 Jul 2015 8:50

Instrument :

BNA_F

ClientSampleId :

SP-3(0-2)

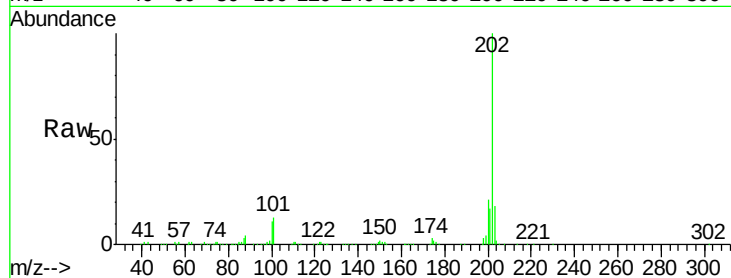
Tgt Ion:202 Resp: 272005

Ion Ratio Lower Upper

202 100

200 21.1 15.0 22.4

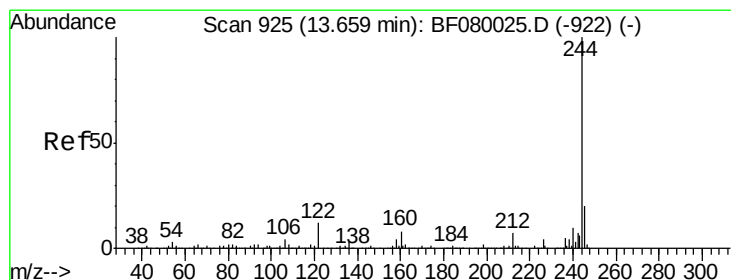
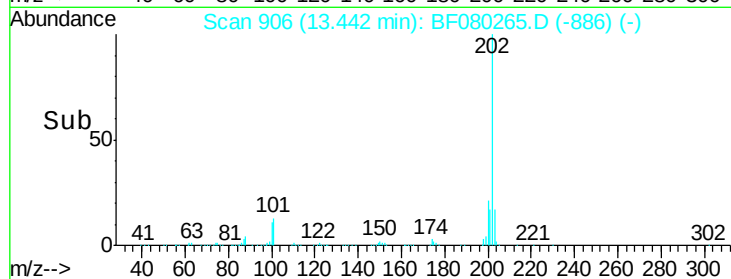
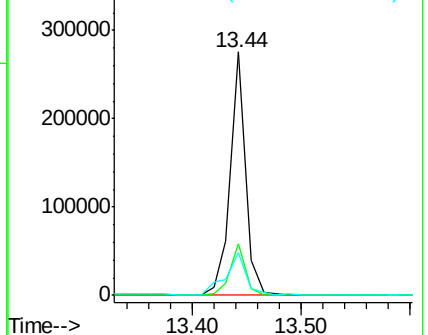
203 17.5 14.1 21.1



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: 13.98 ng

RT: 13.59 min Scan# 919

Delta R.T. -0.08 min

Lab File: BF080265.D

Acq: 1 Jul 2015 8:50

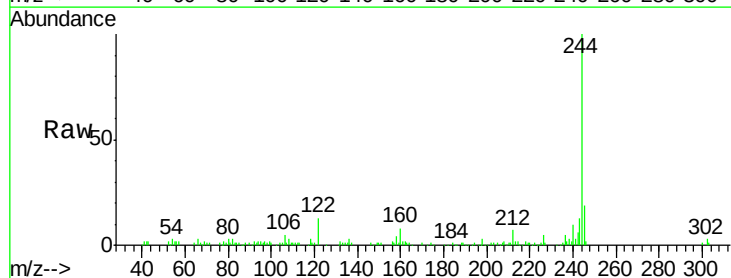
Tgt Ion:244 Resp: 98165

Ion Ratio Lower Upper

244 100

212 7.1 4.3 6.5#

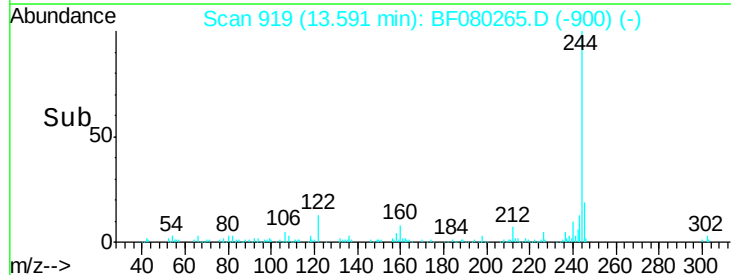
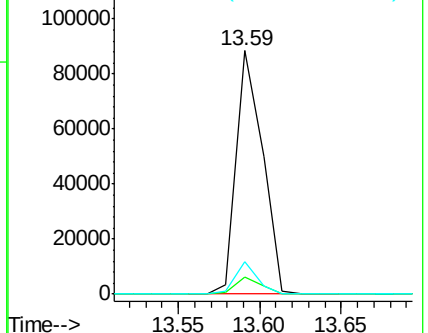
122 13.4 17.4 26.2#

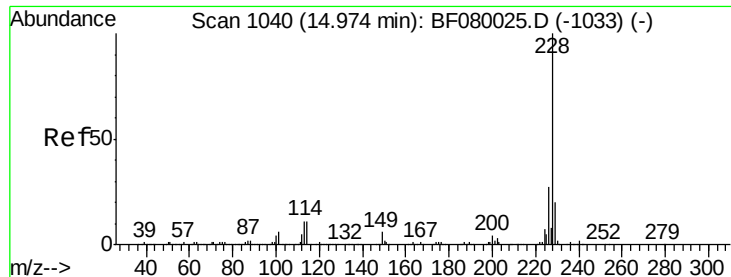


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 15.28 ng

RT: 14.91 min Scan# 1034

Delta R.T. -0.08 min

Lab File: BF080265.D

Acq: 1 Jul 2015 8:50

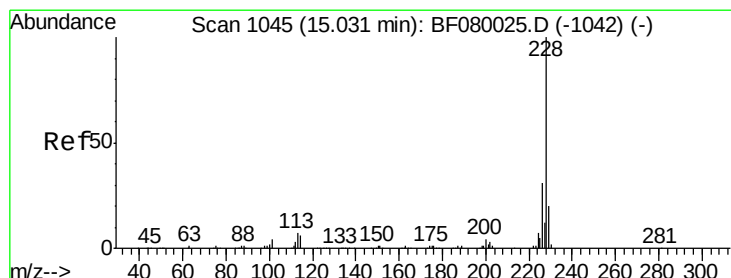
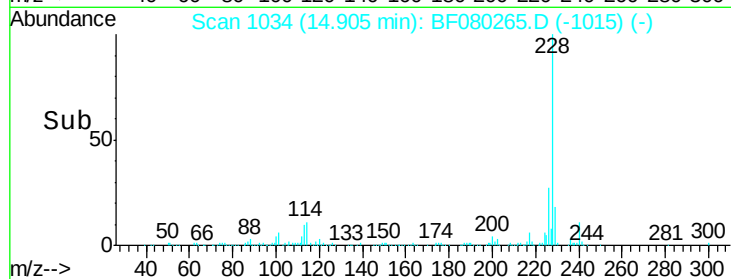
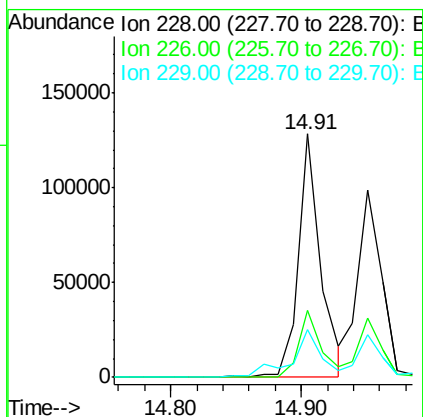
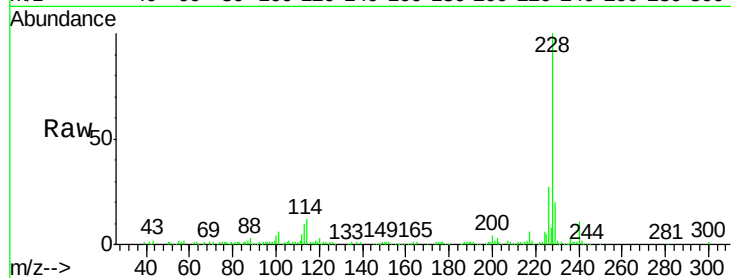
Instrument :

BNA_F

ClientSampleId :

SP-3(0-2)

Tgt Ion:	228	Resp:	152706
Ion	Ratio	Lower	Upper
228	100		
226	27.3	20.0	30.0
229	19.8	15.4	23.2



#82

Chrysene

Concen: 13.73 ng

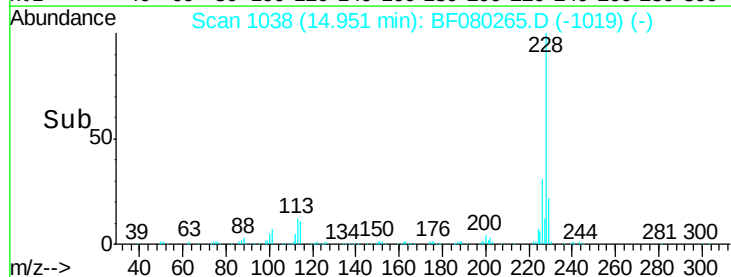
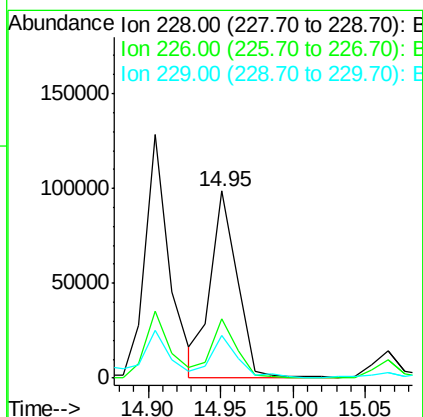
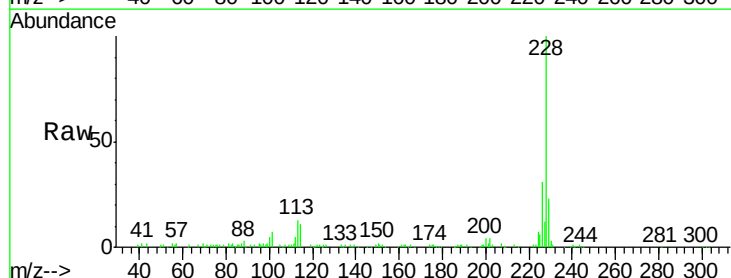
RT: 14.95 min Scan# 1038

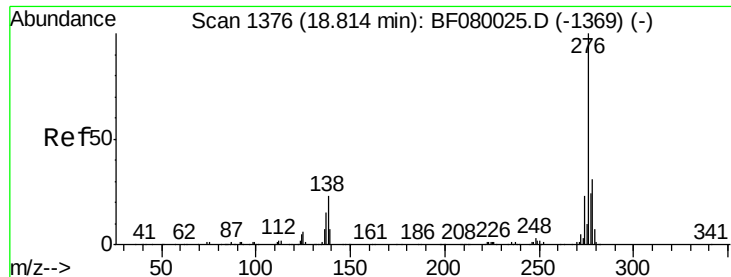
Delta R.T. -0.08 min

Lab File: BF080265.D

Acq: 1 Jul 2015 8:50

Tgt Ion:	228	Resp:	126503
Ion	Ratio	Lower	Upper
228	100		
226	31.4	21.0	31.4
229	22.8	15.6	23.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.94 ng

RT: 18.70 min Scan# 1366

Delta R.T. -0.09 min

Lab File: BF080265.D

Acq: 1 Jul 2015 8:50

Instrument :

BNA_F

ClientSampleId :

SP-3(0-2)

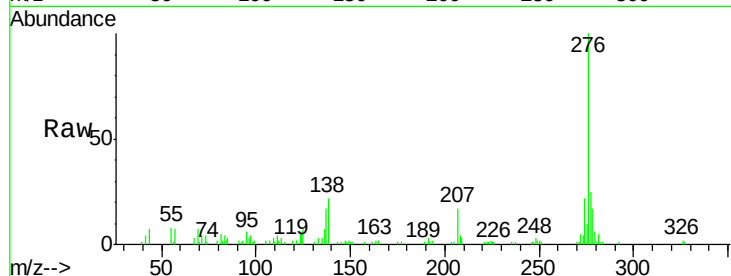
Tgt Ion:276 Resp: 68978

Ion Ratio Lower Upper

276 100

138 22.2 25.7 38.5#

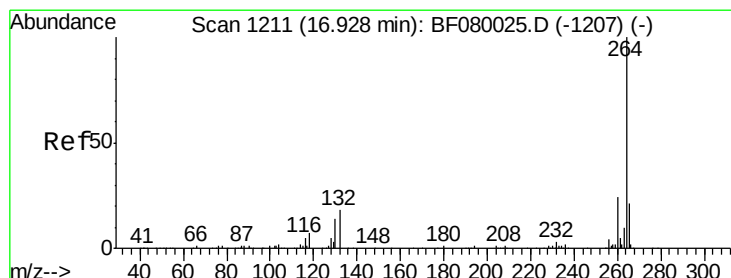
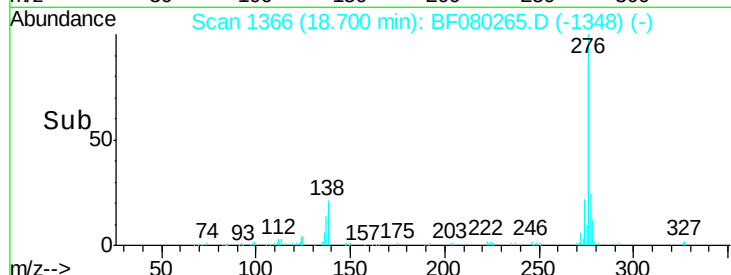
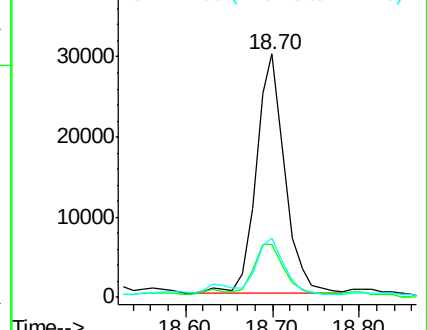
277 23.5 15.6 23.4#



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: 16.86 min Scan# 1205

Delta R.T. -0.07 min

Lab File: BF080265.D

Acq: 1 Jul 2015 8:50

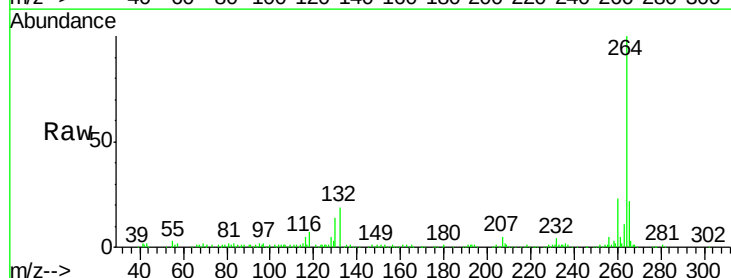
Tgt Ion:264 Resp: 162890

Ion Ratio Lower Upper

264 100

260 23.1 16.7 25.1

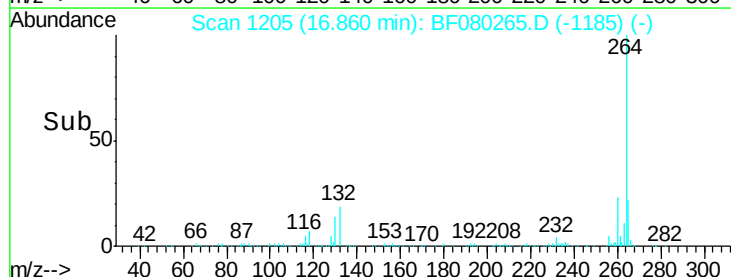
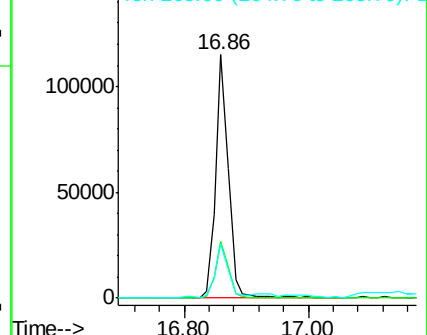
265 22.0 17.2 25.8

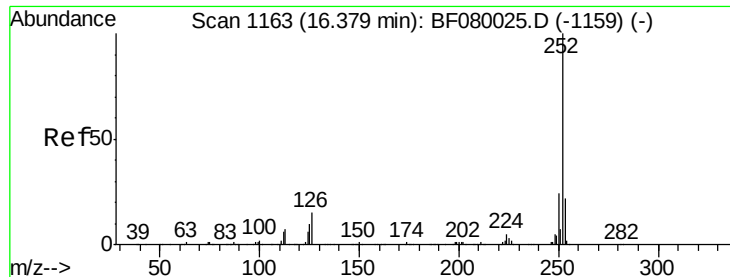


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 22.54 ng

RT: 16.32 min Scan# 1158

Delta R.T. -0.07 min

Lab File: BF080265.D

Acq: 1 Jul 2015 8:50

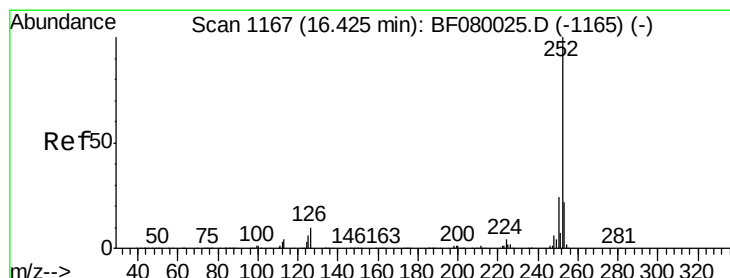
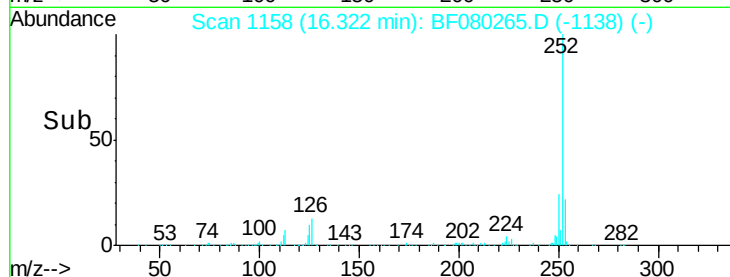
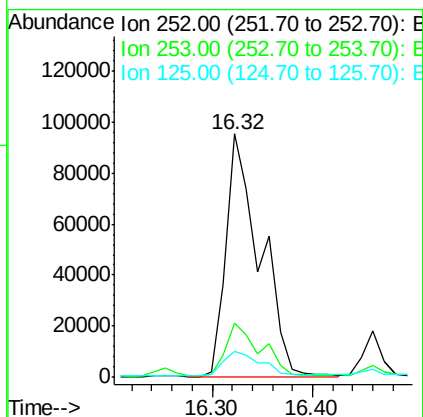
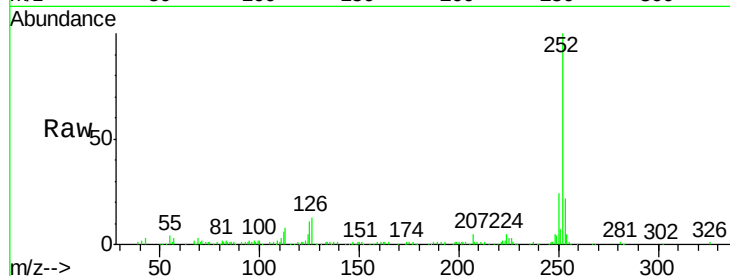
Instrument :

BNA_F

ClientSampleId :

SP-3(0-2)

Tgt Ion:	252	Resp:	222309
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.5	26.3
125	10.9	17.1	25.7#



#88

Benzo(k)fluoranthene

Concen: 22.14 ng

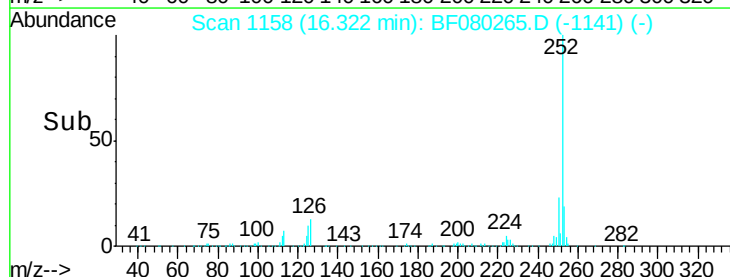
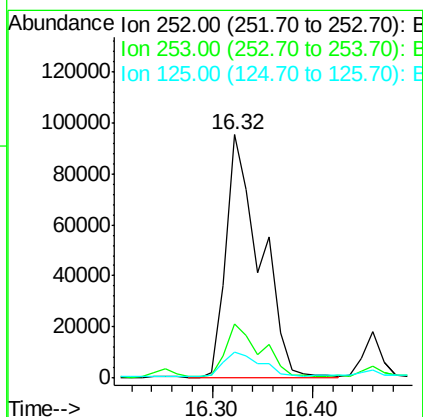
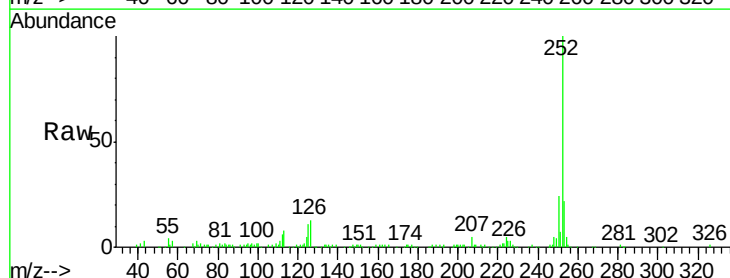
RT: 16.32 min Scan# 1158

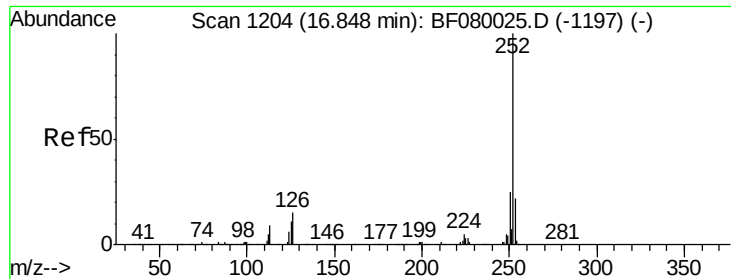
Delta R.T. -0.10 min

Lab File: BF080265.D

Acq: 1 Jul 2015 8:50

Tgt Ion:	252	Resp:	222309
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.0	25.4
125	10.9	16.0	24.0#





#89

Benzo(a)pyrene

Concen: 8.02 ng

RT: 16.70 min Scan# 1191

Delta R.T. -0.15 min

Lab File: BF080265.D

Acq: 1 Jul 2015 8:50

Instrument :

BNA_F

ClientSampleId :

SP-3(0-2)

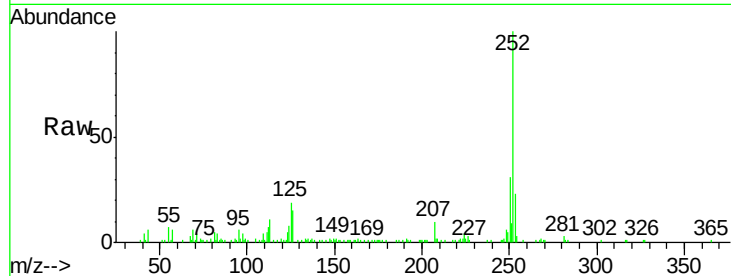
Tgt Ion:252 Resp: 75073

Ion Ratio Lower Upper

252 100

253 23.0 17.2 25.8

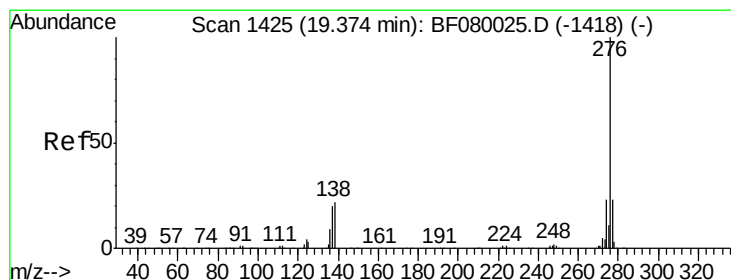
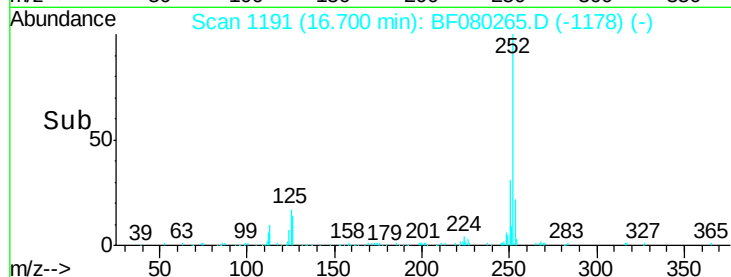
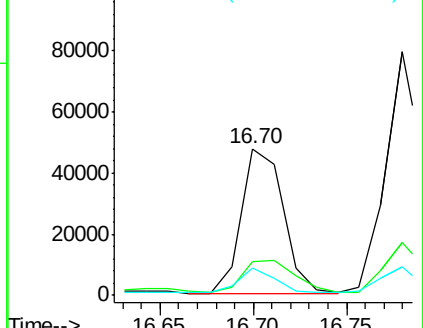
125 18.8 18.0 27.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 6.84 ng

RT: 19.25 min Scan# 1414

Delta R.T. -0.10 min

Lab File: BF080265.D

Acq: 1 Jul 2015 8:50

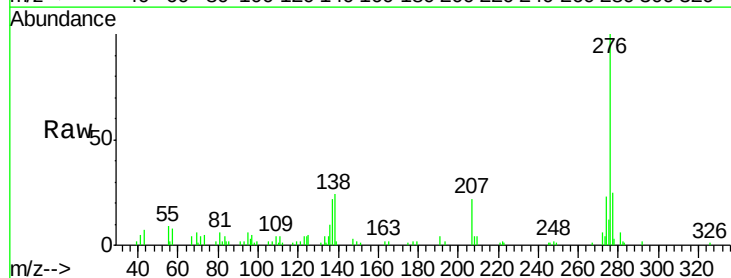
Tgt Ion:276 Resp: 66172

Ion Ratio Lower Upper

276 100

277 25.0 17.8 26.6

138 24.4 34.6 51.8#



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

