

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011515\
 Data File : BF076890.D
 Acq On : 15 Jan 2015 18:33
 Operator : IZ / TP
 Sample : G1030-04
 Misc : S
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP2-SS-1(2-4)

Quant Time: Jan 16 01:10:14 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 15 11:52:04 2015
 Response via : Initial Calibration

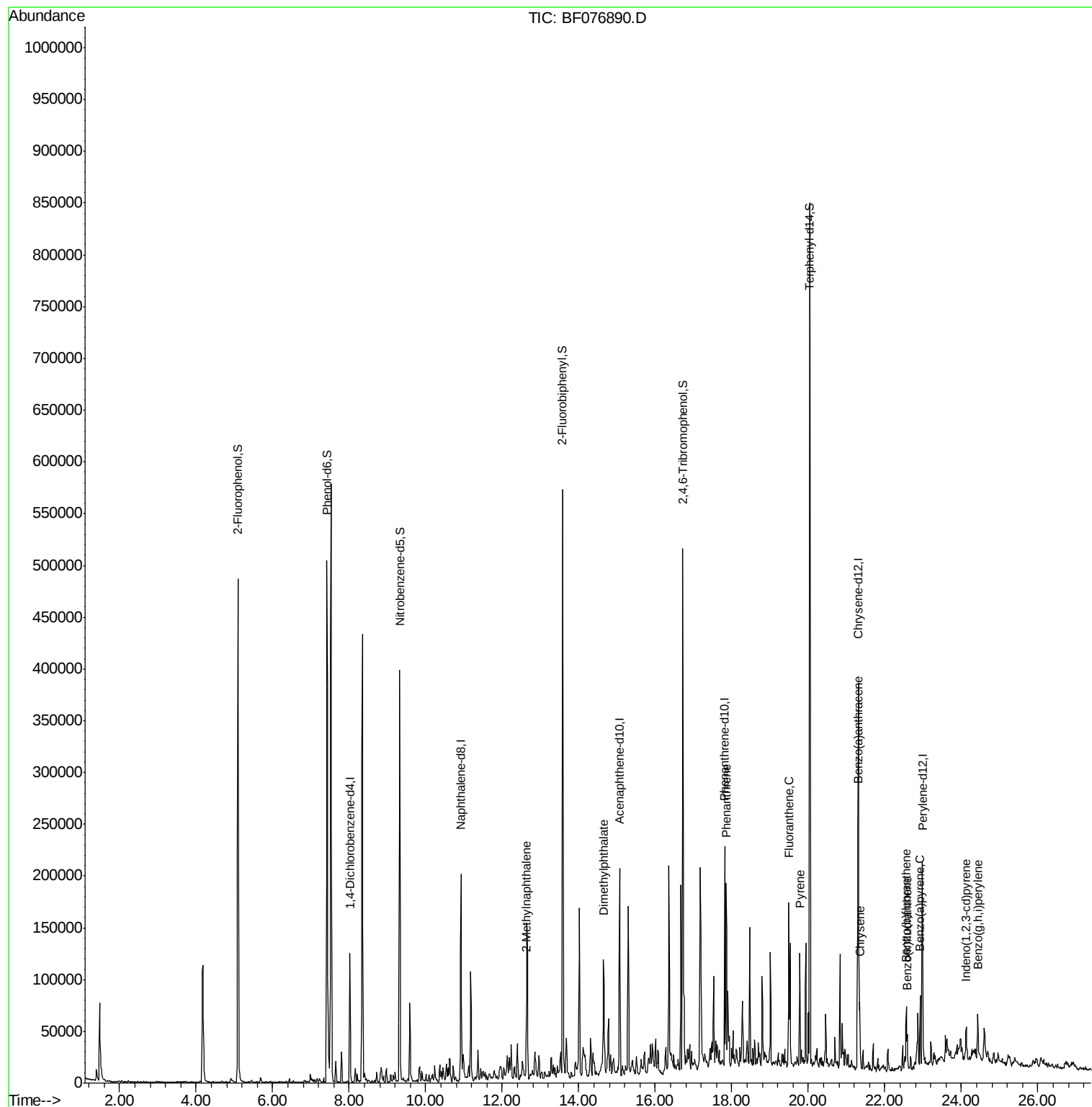
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	33757	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	144715	20.00	ng	0.00
38) Acenaphthene-d10	15.07	164	72264	20.00	ng	-0.01
63) Phenanthrene-d10	17.82	188	118315	20.00	ng	0.00
75) Chrysene-d12	21.31	240	115009	20.00	ng	0.00
86) Perylene-d12	22.99	264	108306	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	248291	120.93	ng	0.00
7) Phenol-d6	7.42	99	313157	120.91	ng	0.00
23) Nitrobenzene-d5	9.32	82	190354	72.87	ng	0.00
41) 2,4,6-Tribromophenol	16.72	330	65183	111.12	ng	0.00
44) 2-Fluorobiphenyl	13.58	172	314448	66.22	ng	-0.01
78) Terphenyl-d14	20.04	244	274308	54.91	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.63	142	20260	3.98	ng	97
49) Dimethylphthalate	14.64	163	69827	13.63	ng	97
70) Phenanthrene	17.85	178	26208	3.55	ng	96
74) Fluoranthene	19.49	202	56759	7.51	ng	98
77) Pyrene	19.77	202	53046	6.73	ng	# 93
80) Benzo(a)anthracene	21.29	228	32714	4.53	ng	98
82) Chrysene	21.34	228	26851	4.08	ng	98
85) Indeno(1,2,3-cd)pyrene	24.13	276	20252	2.90	ng	# 79
87) Benzo(b)fluoranthene	22.56	252	35996m	4.93	ng	
88) Benzo(k)fluoranthene	22.59	252	13287m	2.08	ng	
89) Benzo(a)pyrene	22.92	252	29393	4.57	ng	94
91) Benzo(a,h,i)perylene	24.43	276	26997	4.60	ng	# 92

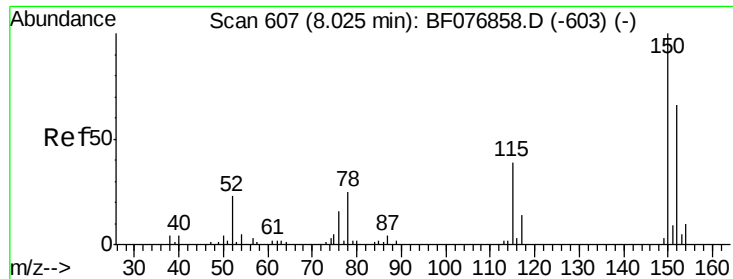
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011515\
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Instrument :
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ClientSampleId :
TP2-SS-1(2-4)

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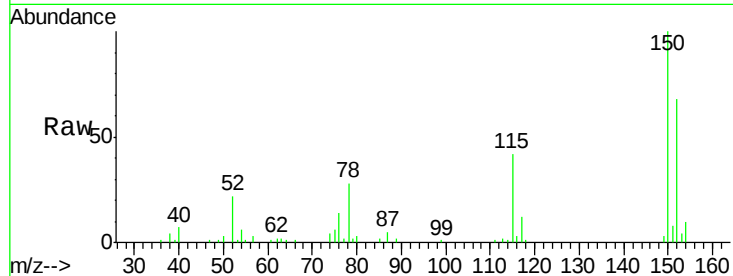


#1

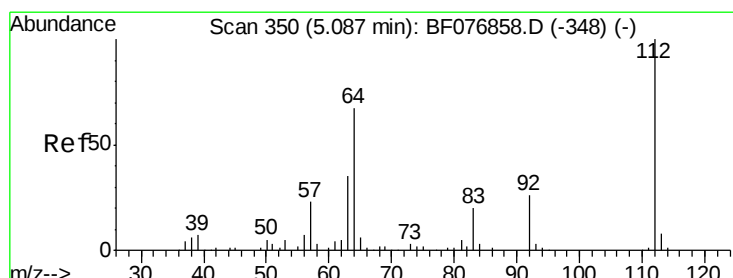
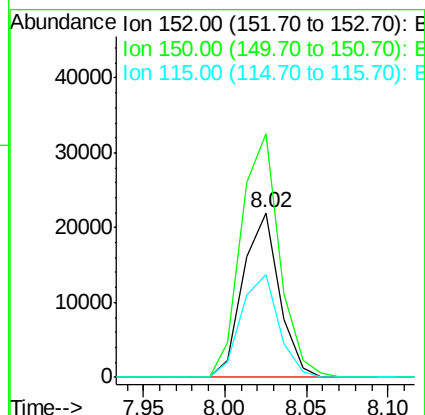
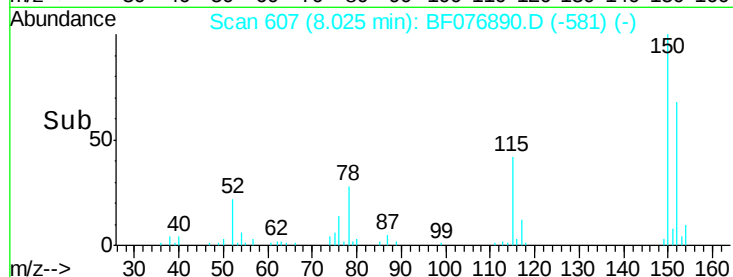
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.02 min Scan# 607
Delta R.T. 0.00 min
Lab File: BF076890.D
Acq: 15 Jan 2015 18:33

Instrument :
BNA_F
ClientSampleId :
TP2-SS-1(2-4)

Tot Ion:152 Resp: 33757
Ion Ratio Lower Upper
152 100
150 147.9 121.7 182.5
115 62.3 47.0 70.6



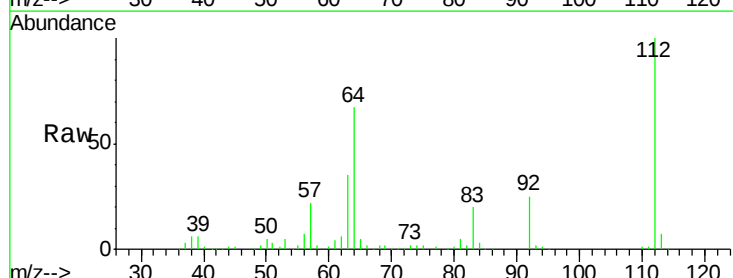
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



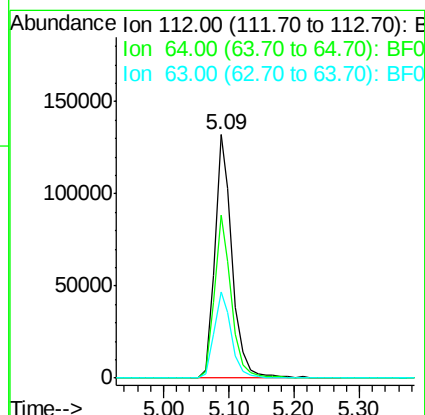
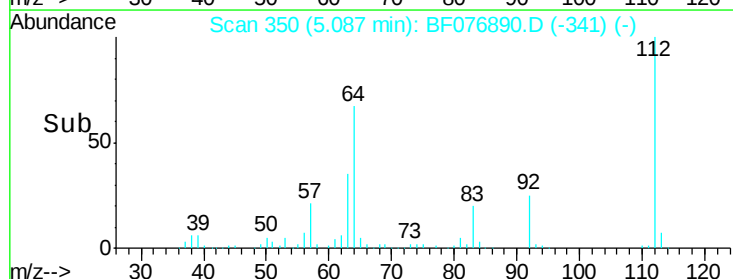
#5

2-Fluorophenol
Concen: 120.93 ng
RT: 5.09 min Scan# 350
Delta R.T. 0.00 min
Lab File: BF076890.D
Acq: 15 Jan 2015 18:33

Tgt Ion:112 Resp: 248291
Ion Ratio Lower Upper
112 100
64 66.7 54.2 81.4
63 35.4 28.4 42.6



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: 120.91 ng

RT: 7.42 min Scan# 554

Delta R.T. 0.00 min

Lab File: BF076890.D

Acq: 15 Jan 2015 18:33

Instrument :

BNA_F

ClientSampleId :

TP2-SS-1(2-4)

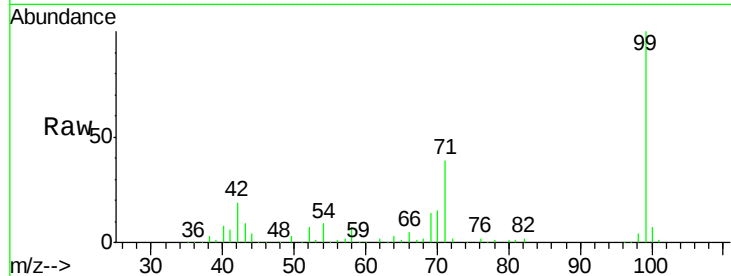
Tot Ion: 99 Resp: 313157

Ion Ratio Lower Upper

99 100

42 19.1 15.0 22.4

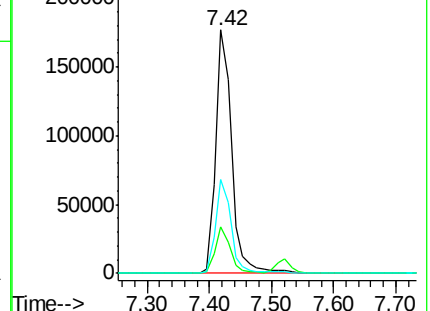
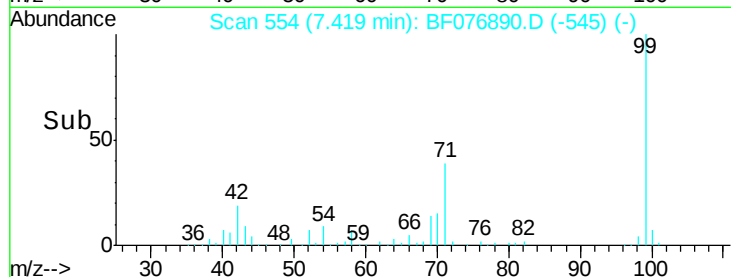
71 38.8 30.5 45.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.93 min Scan# 861

Delta R.T. 0.00 min

Lab File: BF076890.D

Acq: 15 Jan 2015 18:33

Tgt Ion: 136 Resp: 144715

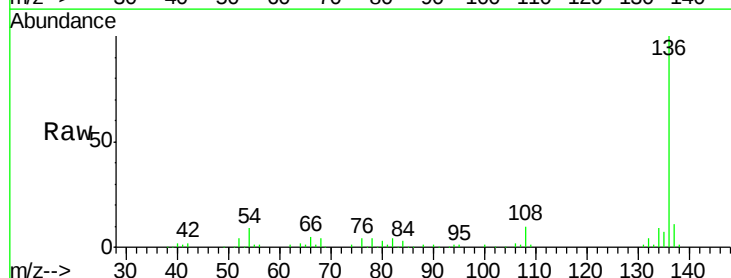
Ion Ratio Lower Upper

136 100

137 10.7 8.1 12.1

54 8.7 7.0 10.4

68 4.1 3.7 5.5

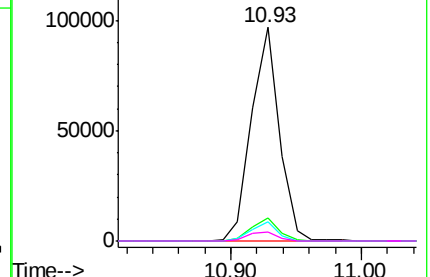
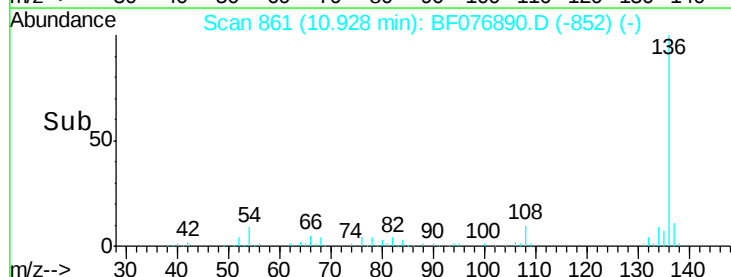


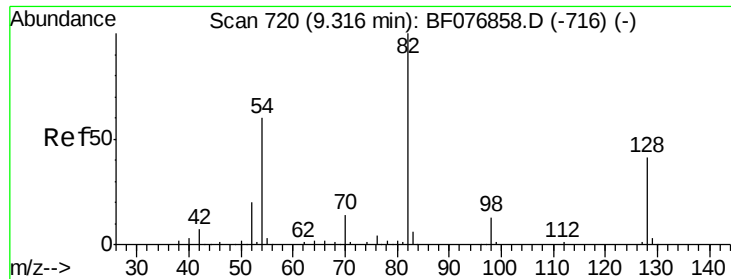
Abundance Ion 136.00 (135.70 to 136.70): E

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

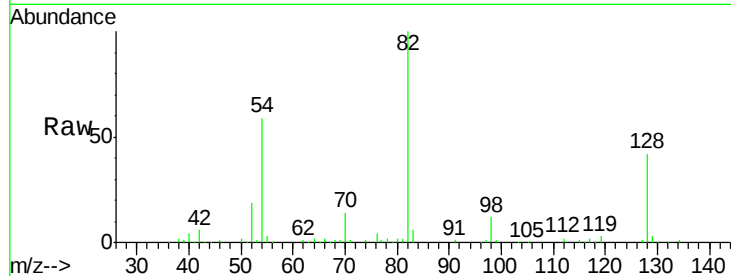




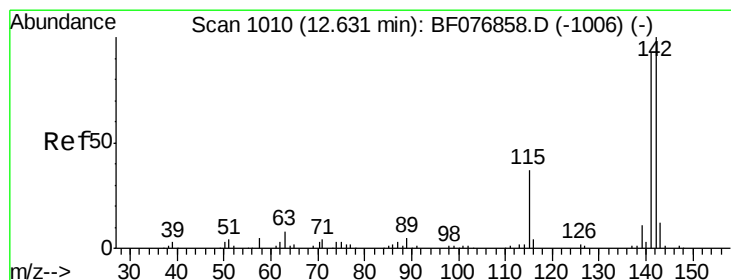
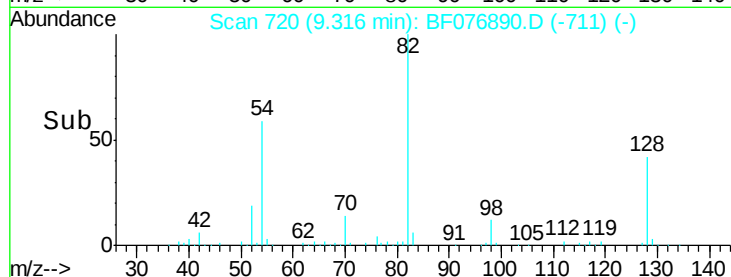
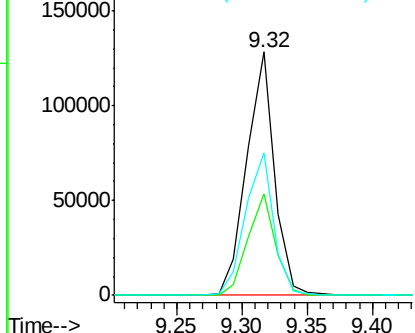
#23
 Nitrobenzene-d5
 Concen: 72.87 ng
 RT: 9.32 min Scan# 720
 Delta R.T. 0.00 min
 Lab File: BF076890.D
 Acq: 15 Jan 2015 18:33

Instrument :
 BNA_F
 ClientSampleId :
 TP2-SS-1(2-4)

Tot Ion	82	Resp	190354
Ion Ratio	100	Lower	Upper
128	41.9	33.1	49.7
54	58.6	48.3	72.5

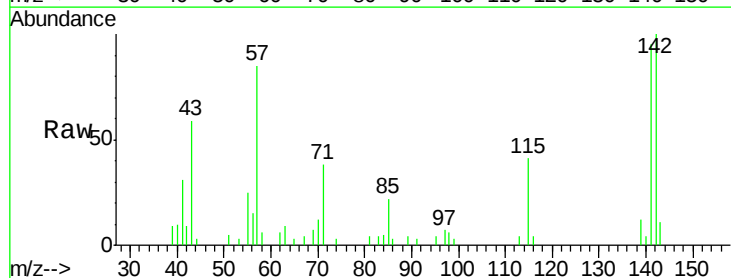


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

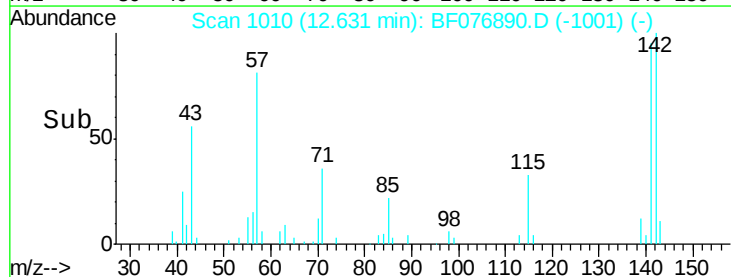
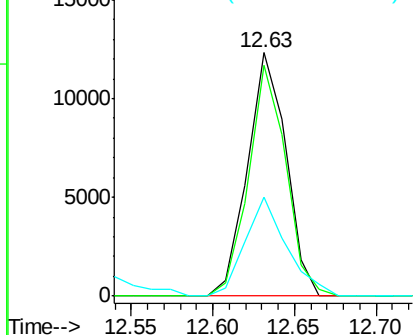


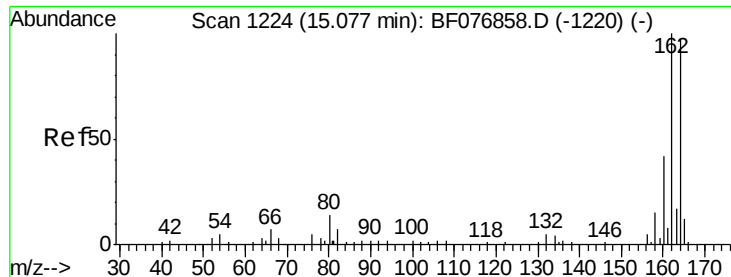
#37
 2-Methylnaphthalene
 Concen: 3.98 ng
 RT: 12.63 min Scan# 1010
 Delta R.T. 0.00 min
 Lab File: BF076890.D
 Acq: 15 Jan 2015 18:33

Tgt Ion	142	Resp	20260
Ion Ratio	100	Lower	Upper
141	94.7	74.5	111.7
115	40.9	29.7	44.5



Abundance Ion 142.00 (141.70 to 142.70): B
 Ion 141.00 (140.70 to 141.70): B
 Ion 115.00 (114.70 to 115.70): B





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.07 min Scan# 1223

Delta R.T. -0.01 min

Lab File: BF076890.D

Acq: 15 Jan 2015 18:33

Instrument :

BNA_F

ClientSampleId :

TP2-SS-1(2-4)

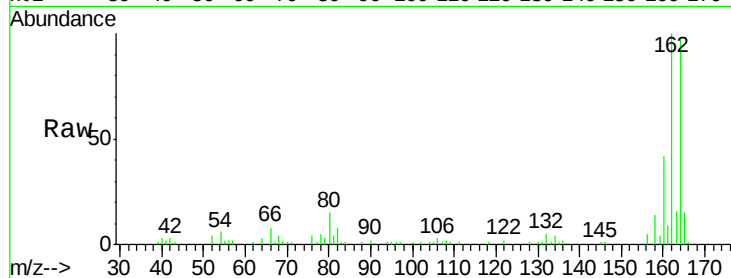
Tot Ion:164 Resp: 72264

Ion Ratio Lower Upper

164 100

162 102.6 82.4 123.6

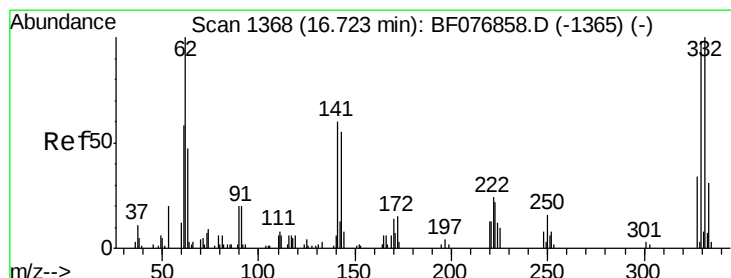
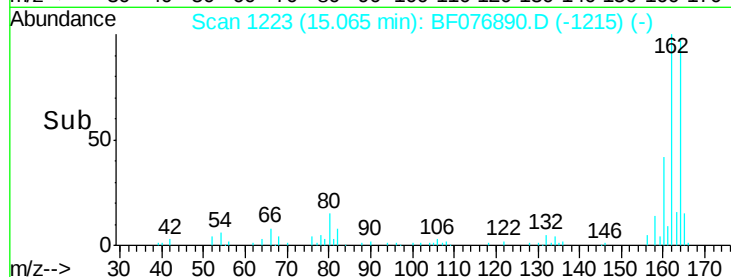
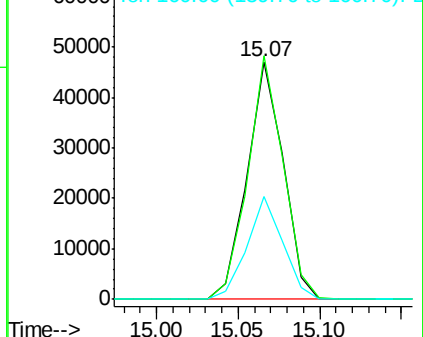
160 43.4 34.8 52.2



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: 111.12 ng

RT: 16.72 min Scan# 1368

Delta R.T. 0.00 min

Lab File: BF076890.D

Acq: 15 Jan 2015 18:33

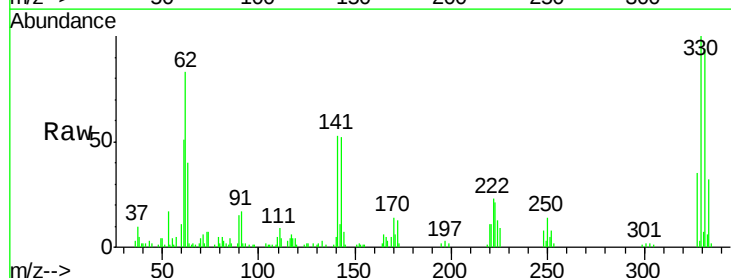
Tgt Ion:330 Resp: 65183

Ion Ratio Lower Upper

330 100

332 96.0 77.8 116.6

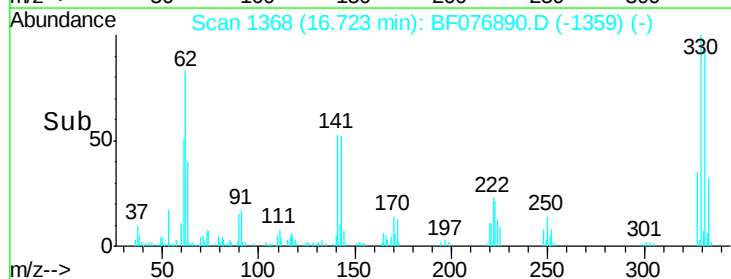
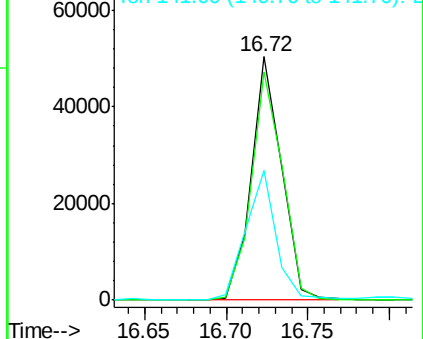
141 52.9 38.5 57.7

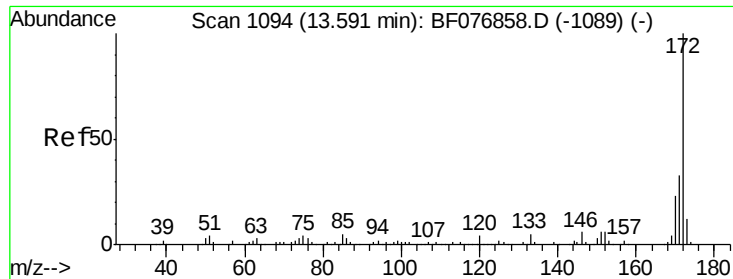


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

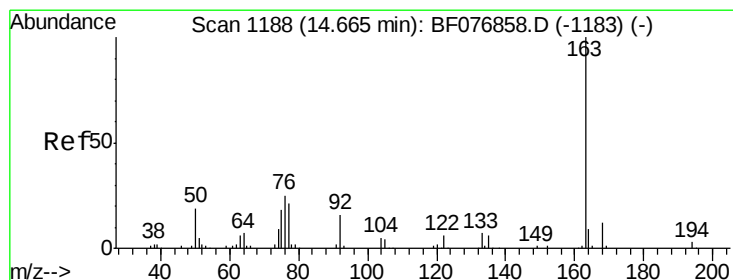
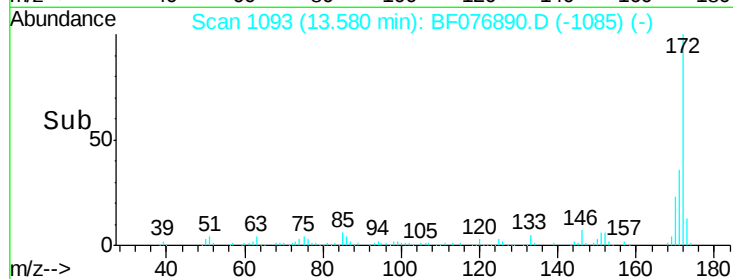
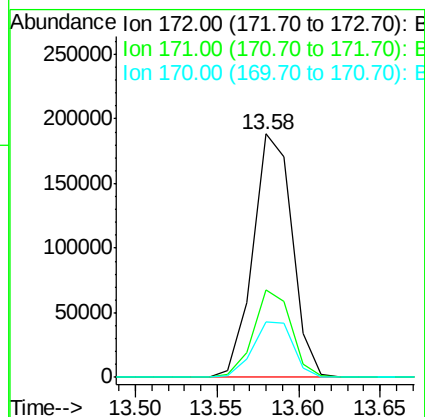
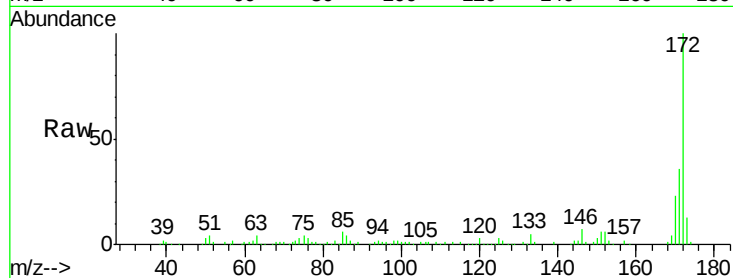




#44
2-Fluorobiphenyl
Concen: 66.22 ng
RT: 13.58 min Scan# 1093
Delta R.T. -0.01 min
Lab File: BF076890.D
Acq: 15 Jan 2015 18:33

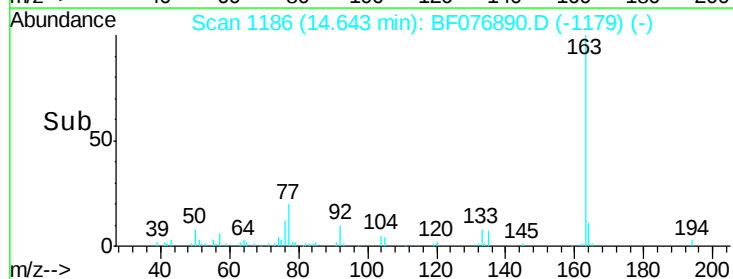
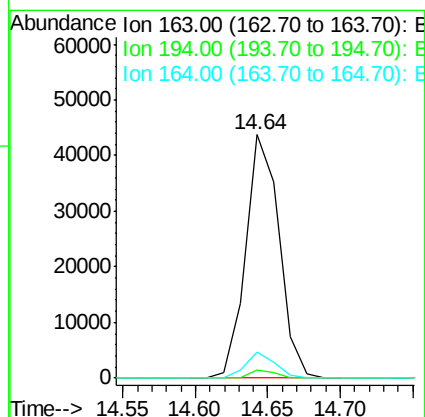
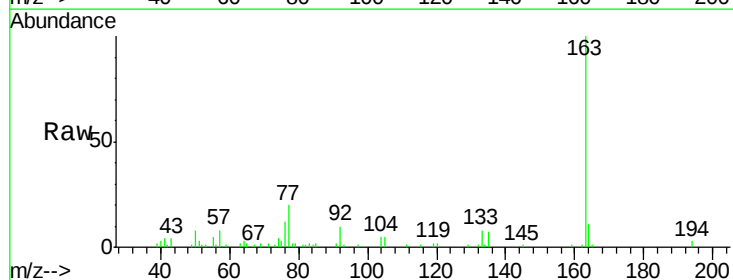
Instrument :
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TP2-SS-1(2-4)

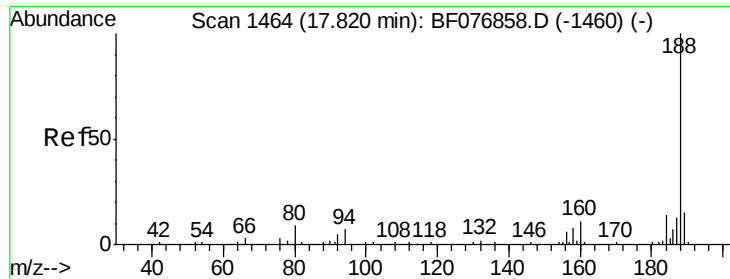
Tot Ion:172 Resp: 314448
Ion Ratio Lower Upper
172 100
171 36.1 26.6 40.0
170 22.6 18.0 27.0



#49
Dimethylphthalate
Concen: 13.63 ng
RT: 14.64 min Scan# 1186
Delta R.T. -0.02 min
Lab File: BF076890.D
Acq: 15 Jan 2015 18:33

Tgt Ion:163 Resp: 69827
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.7 7.5 11.3

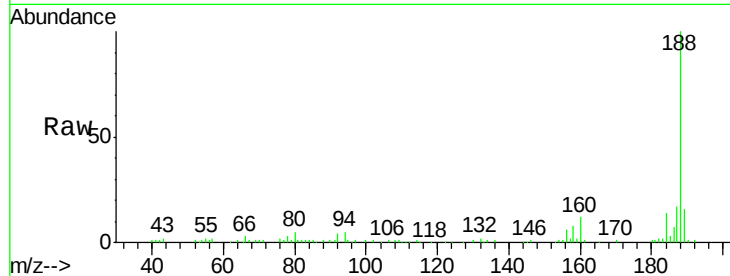




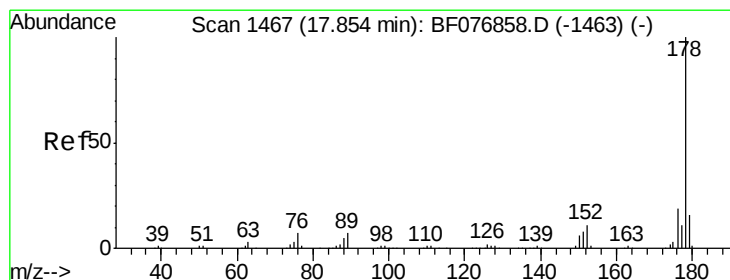
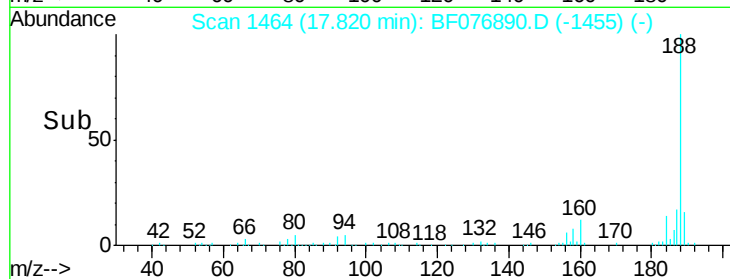
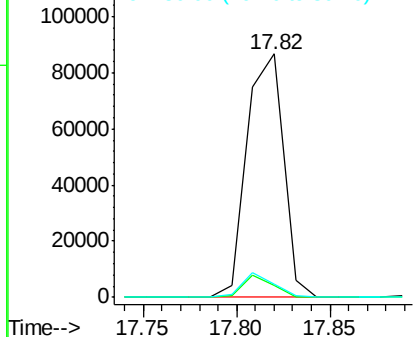
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.82 min Scan# 1464
 Delta R.T. 0.00 min
 Lab File: BF076890.D
 Acq: 15 Jan 2015 18:33

Instrument :
 BNA_F
 ClientSampleId :
 TP2-SS-1(2-4)

Tot Ion:188 Resp: 118315
 Ion Ratio Lower Upper
 188 100
 94 5.1 6.0 9.0#
 80 5.5 6.9 10.3#

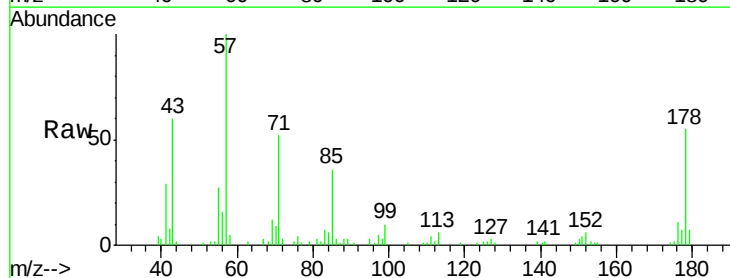


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

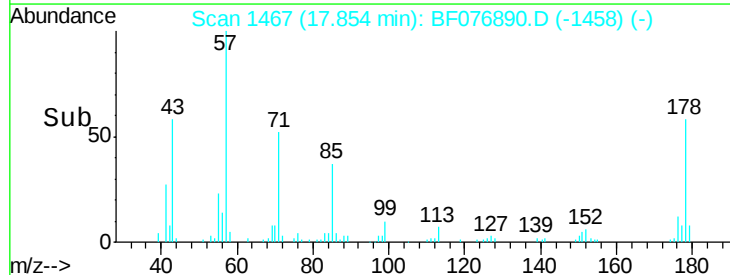
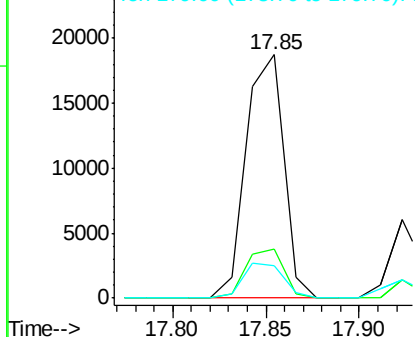


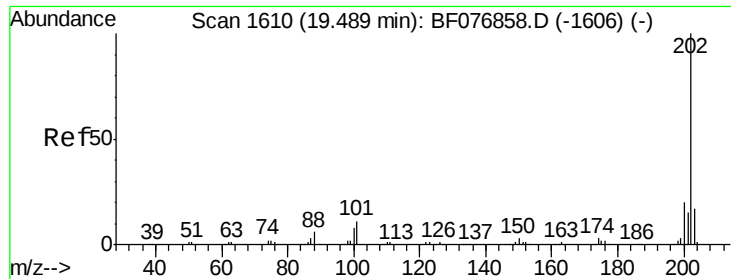
#70
 Phenanthrene
 Concen: 3.55 ng
 RT: 17.85 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: BF076890.D
 Acq: 15 Jan 2015 18:33

Tgt Ion:178 Resp: 26208
 Ion Ratio Lower Upper
 178 100
 176 20.3 15.1 22.7
 179 13.4 12.7 19.1



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

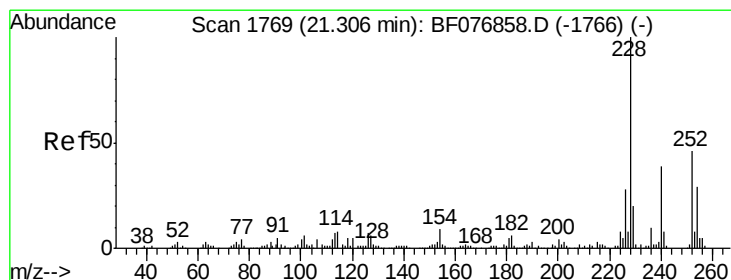
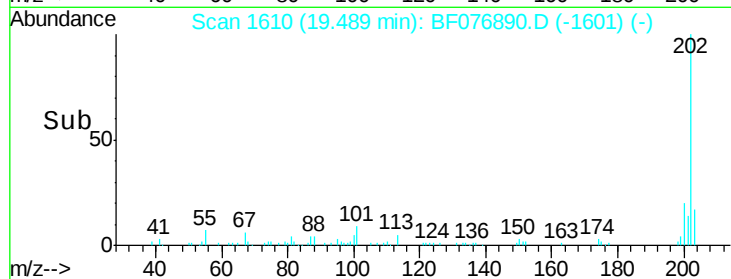
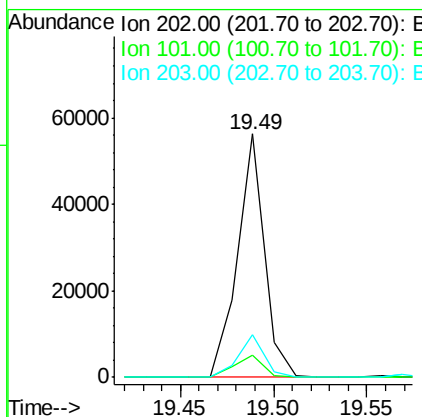
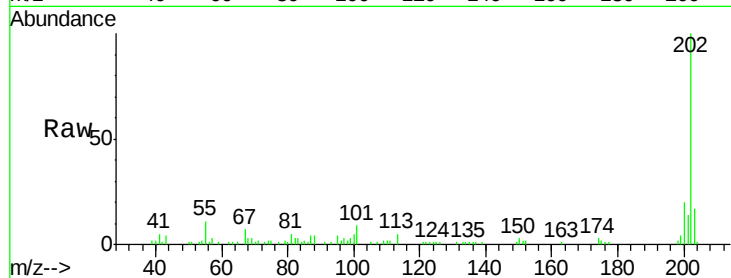




#74
 Fluoranthene
 Concen: 7.51 ng
 RT: 19.49 min Scan# 1610
 Delta R.T. 0.00 min
 Lab File: BF076890.D
 Acq: 15 Jan 2015 18:33

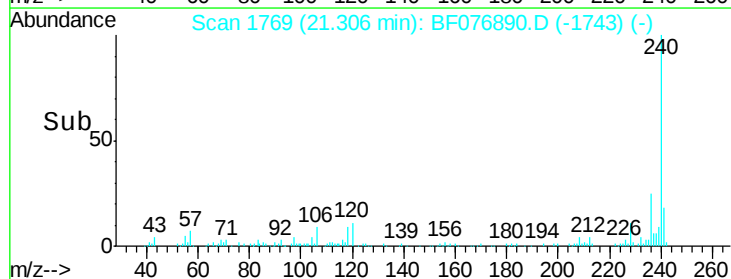
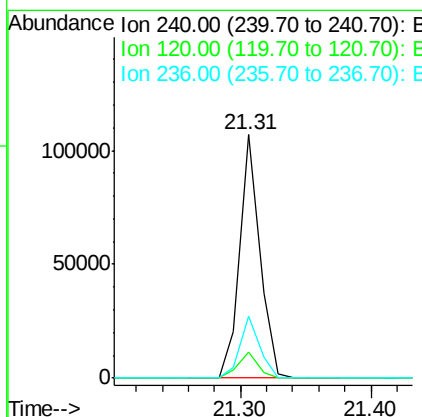
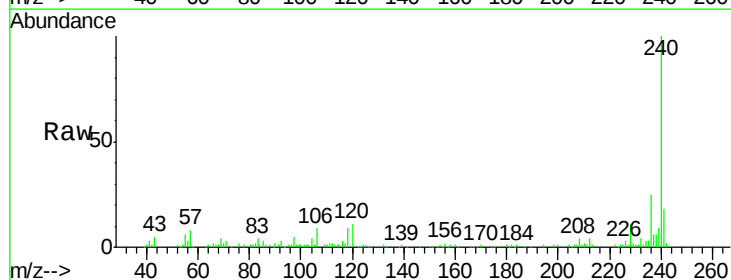
Instrument :
 BNA_F
 ClientSampleId :
 TP2-SS-1(2-4)

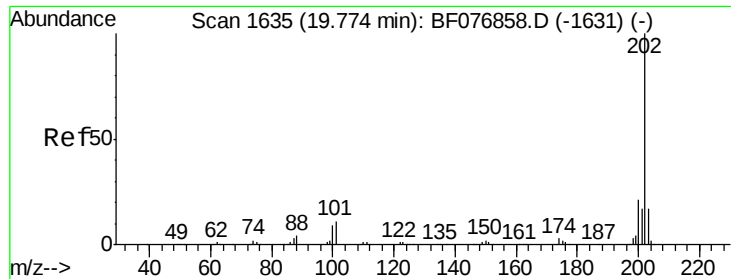
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	30.7
203	17.4	0.0	36.9



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.31 min Scan# 1769
 Delta R.T. 0.00 min
 Lab File: BF076890.D
 Acq: 15 Jan 2015 18:33

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.7	10.4	15.6
236	25.3	20.2	30.2





#77

Pvrene

Concen: 6.73 ng

RT: 19.77 min Scan# 1635

Delta R.T. 0.00 min

Lab File: BF076890.D

Acq: 15 Jan 2015 18:33

Instrument :

BNA_F

ClientSampleId :

TP2-SS-1(2-4)

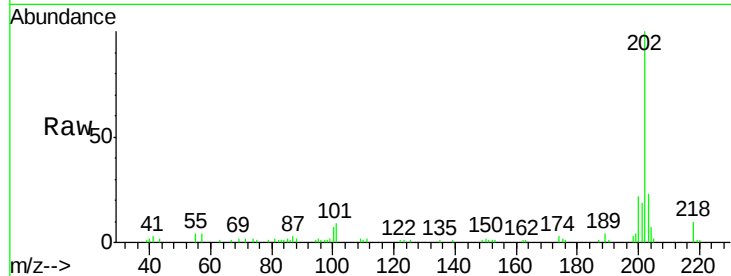
Tot Ion:202 Resp: 53046

Ion Ratio Lower Upper

202 100

200 21.6 16.7 25.1

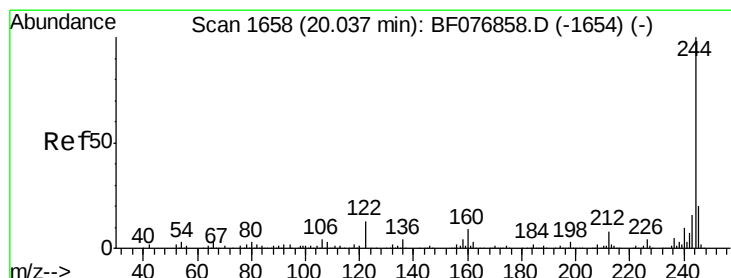
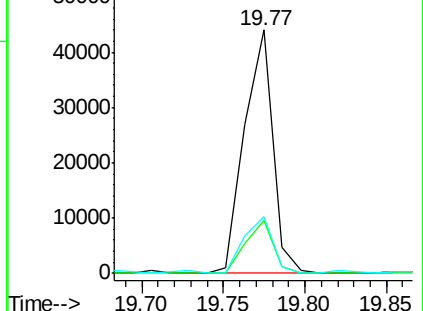
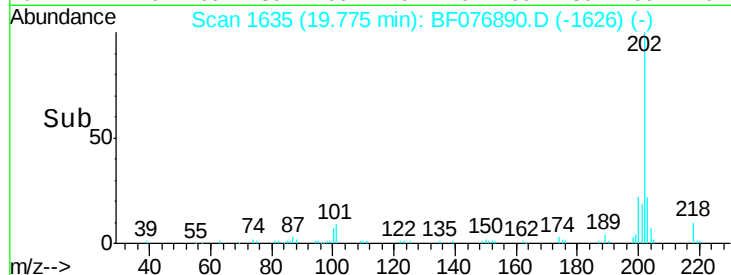
203 23.1 14.0 21.0#



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: 54.91 ng

RT: 20.04 min Scan# 1658

Delta R.T. 0.00 min

Lab File: BF076890.D

Acq: 15 Jan 2015 18:33

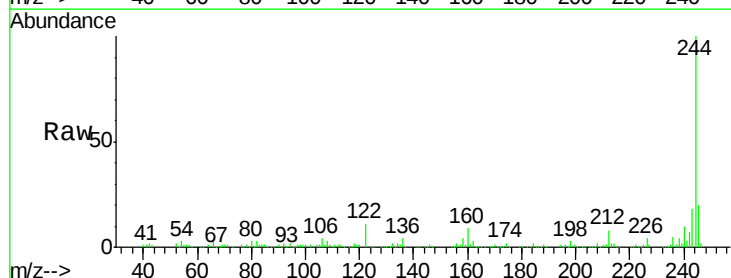
Tgt Ion:244 Resp: 274308

Ion Ratio Lower Upper

244 100

212 7.8 6.3 9.5

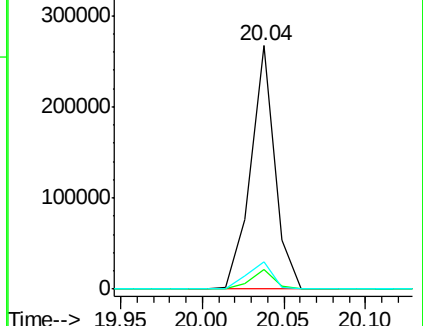
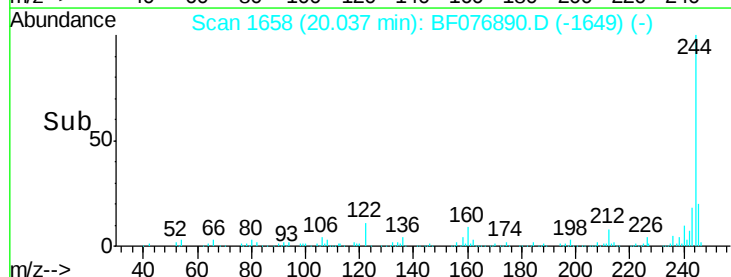
122 11.0 10.1 15.1

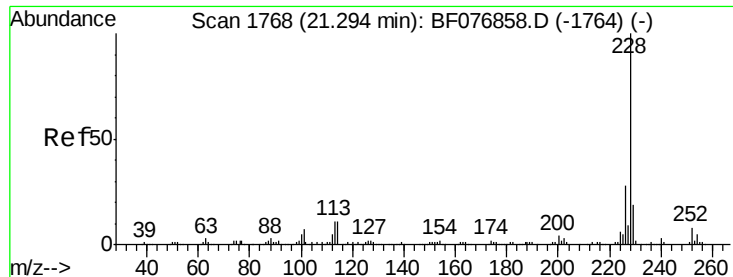


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.53 ng

RT: 21.29 min Scan# 1768

Delta R.T. 0.00 min

Lab File: BF076890.D

Acq: 15 Jan 2015 18:33

Instrument :

BNA_F

ClientSampleId :

TP2-SS-1(2-4)

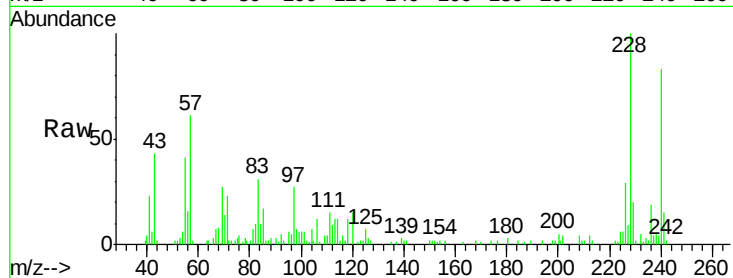
Tot Ion:228 Resp: 32714

Ion Ratio Lower Upper

228 100

226 29.0 22.1 33.1

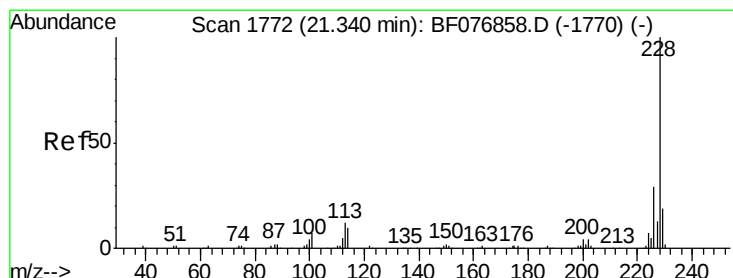
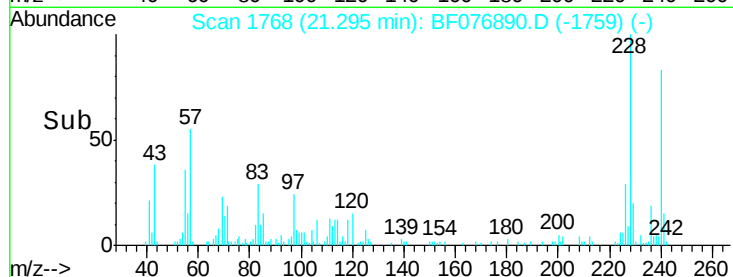
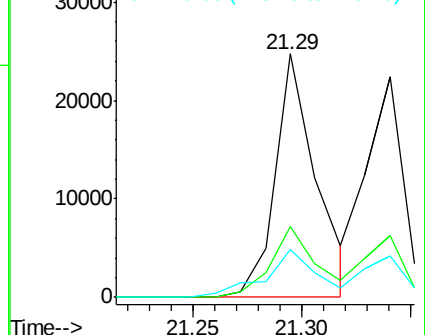
229 19.7 15.5 23.3



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: 4.08 ng

RT: 21.34 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BF076890.D

Acq: 15 Jan 2015 18:33

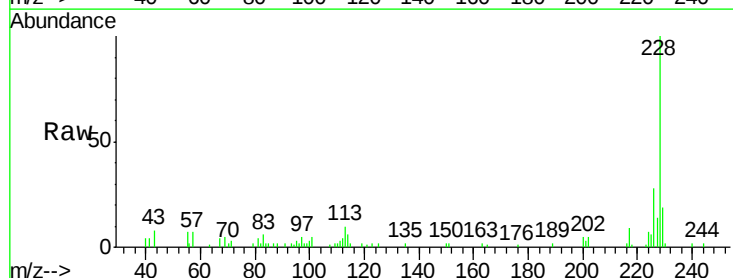
Tgt Ion:228 Resp: 26851

Ion Ratio Lower Upper

228 100

226 28.1 23.4 35.0

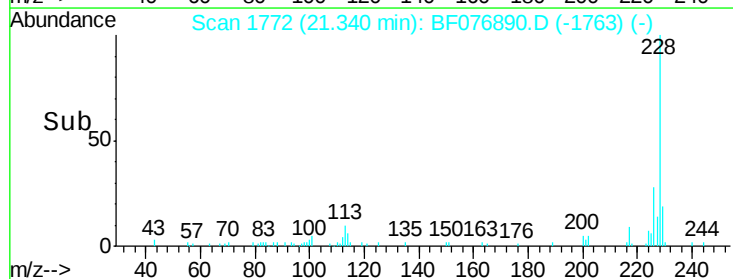
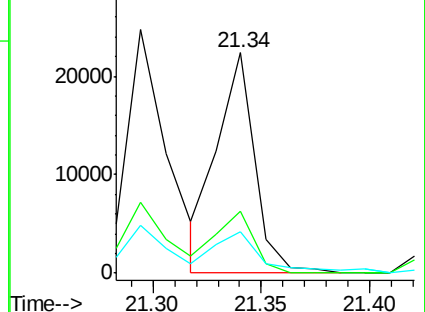
229 18.7 15.4 23.0

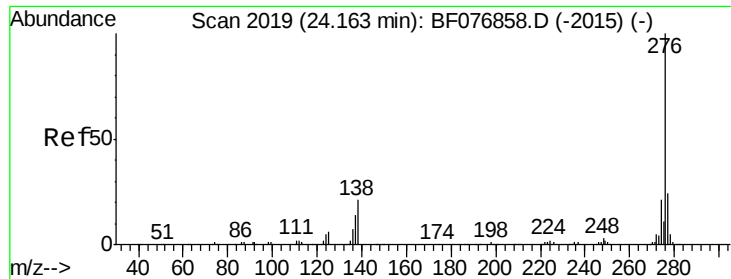


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

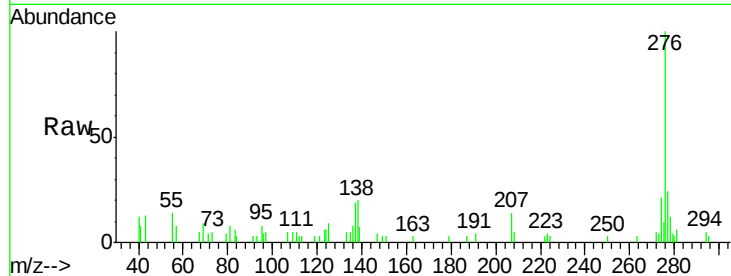




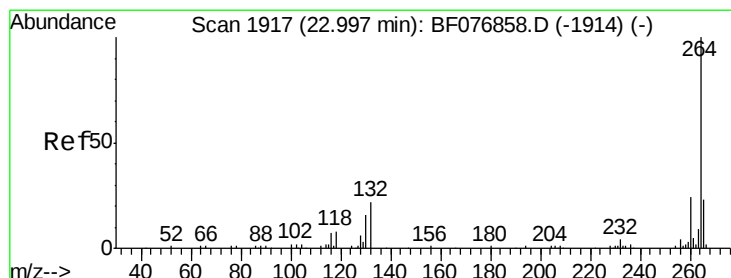
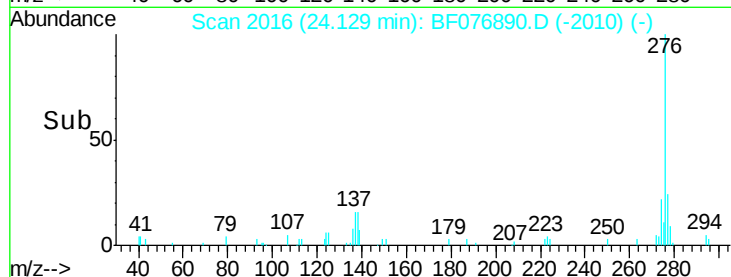
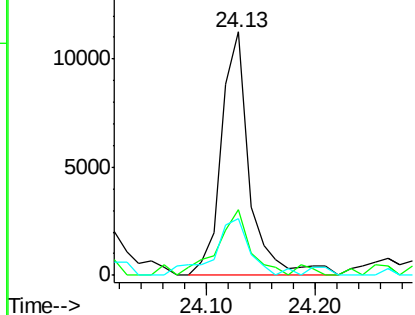
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.90 ng
RT: 24.13 min Scan# 2016
Delta R.T. -0.03 min
Lab File: BF076890.D
Acq: 15 Jan 2015 18:33

Instrument :
BNA_F
ClientSampleId :
TP2-SS-1(2-4)

Tot Ion:276 Resp: 20252
Ion Ratio Lower Upper
276 100
138 29.2 14.6 22.0#
277 25.9 14.8 22.2#

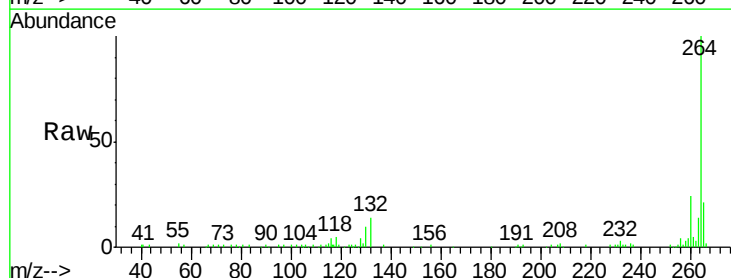


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

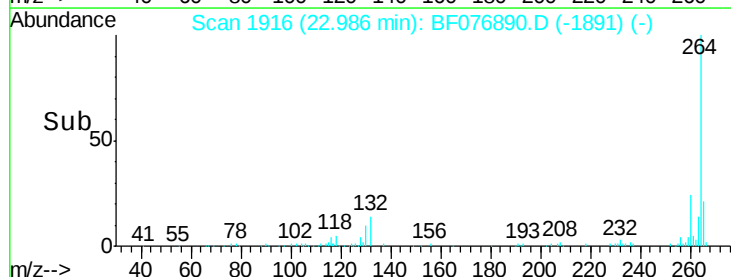
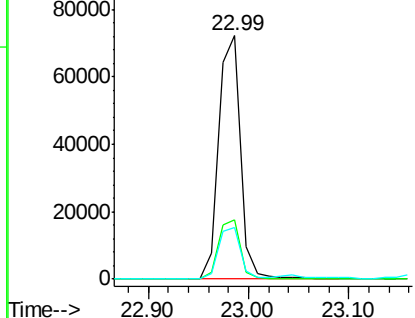


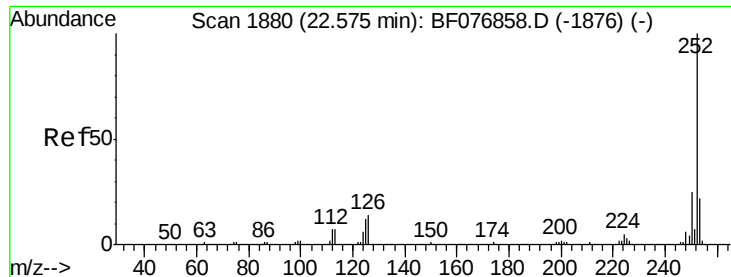
#86
Perylene-d12
Concen: 20.00 ng
RT: 22.99 min Scan# 1916
Delta R.T. -0.01 min
Lab File: BF076890.D
Acq: 15 Jan 2015 18:33

Tgt Ion:264 Resp: 108306
Ion Ratio Lower Upper
264 100
260 24.4 19.0 28.4
265 21.1 18.1 27.1



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

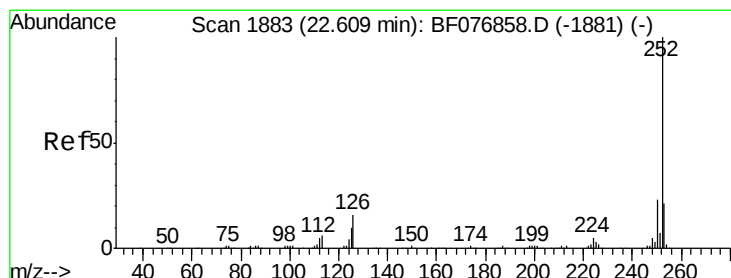
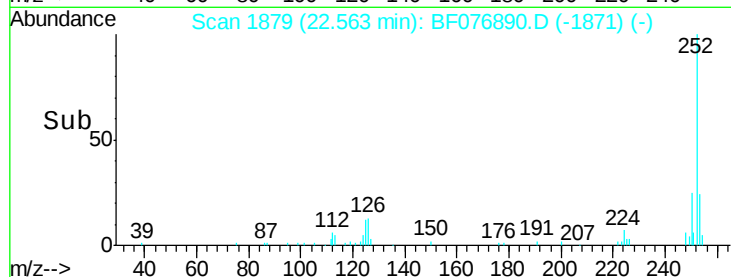
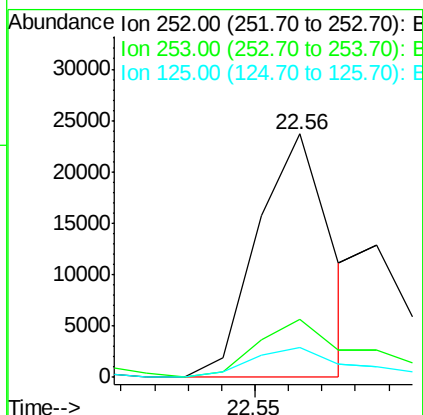
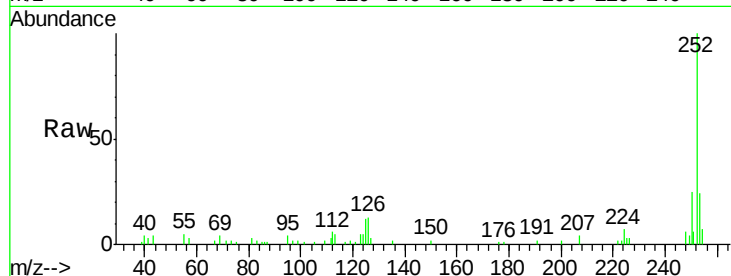




#87
Benzo(b)fluoranthene
Concen: 4.93 ng m
RT: 22.56 min Scan# 1879
Delta R.T. -0.01 min
Lab File: BF076890.D
Acq: 15 Jan 2015 18:33

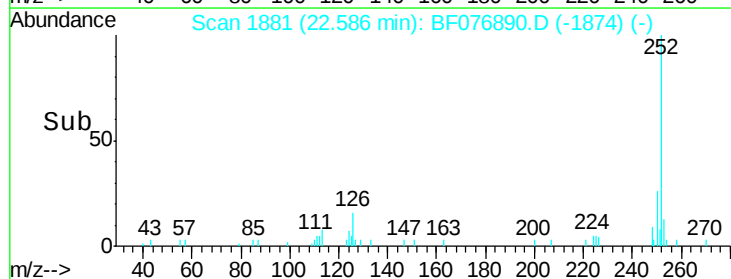
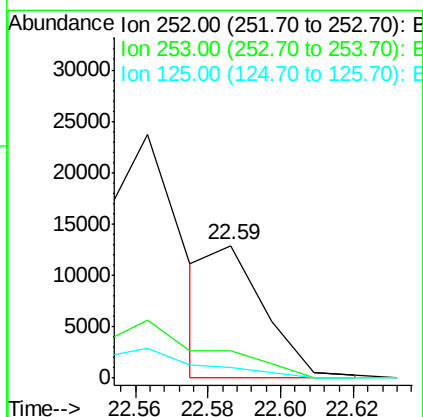
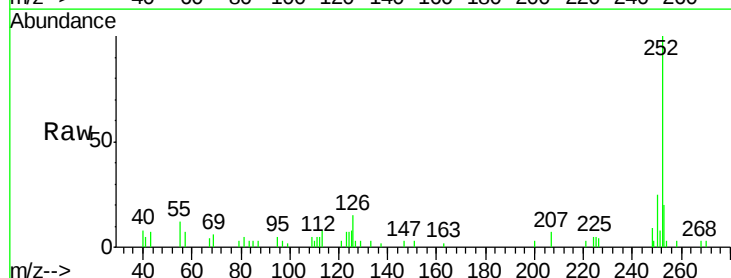
Instrument :
BNA_F
ClientSampleId :
TP2-SS-1(2-4)

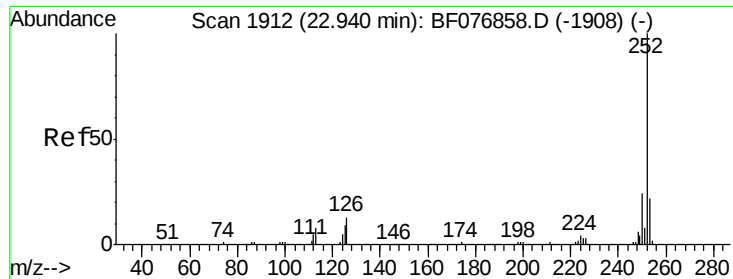
Tot Ion:252 Resp: 35996
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 12.4 9.4 14.0



#88
Benzo(k)fluoranthene
Concen: 2.08 ng m
RT: 22.59 min Scan# 1881
Delta R.T. -0.02 min
Lab File: BF076890.D
Acq: 15 Jan 2015 18:33

Tgt Ion:252 Resp: 13287
Ion Ratio Lower Upper
252 100
253 20.2 17.2 25.8
125 7.7 7.1 10.7

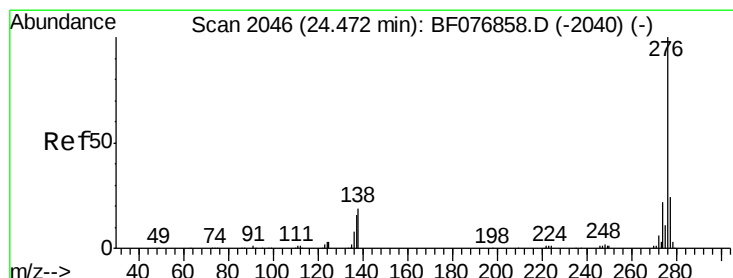
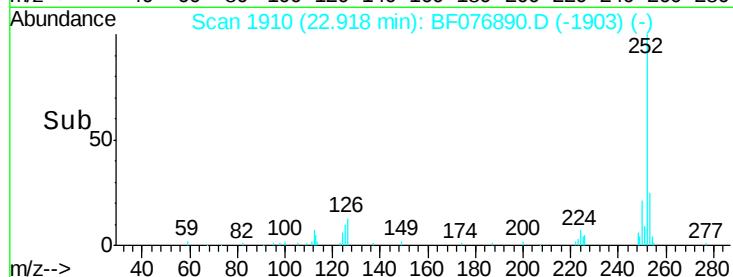
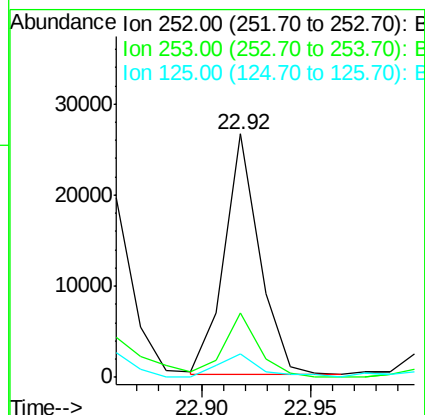
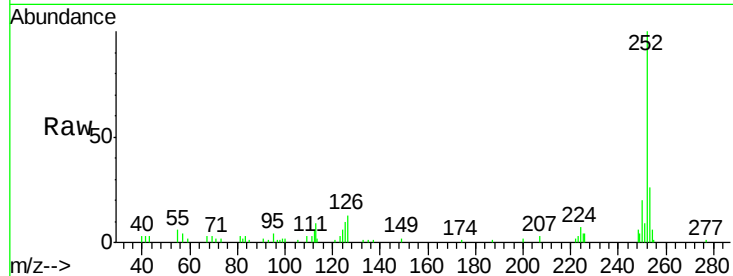




#89
Benzo(a)pyrene
Concen: 4.57 ng
RT: 22.92 min Scan# 1910
Delta R.T. -0.02 min
Lab File: BF076890.D
Acq: 15 Jan 2015 18:33

Instrument :
BNA_F
ClientSampleId :
TP2-SS-1(2-4)

Tot Ion:252 Resp: 29393
Ion Ratio Lower Upper
252 100
253 26.4 17.9 26.9
125 9.6 7.2 10.8



#91
Benzo(g,h,i)perylene
Concen: 4.60 ng
RT: 24.43 min Scan# 2042
Delta R.T. -0.05 min
Lab File: BF076890.D
Acq: 15 Jan 2015 18:33

Tgt Ion:276 Resp: 26997
Ion Ratio Lower Upper
276 100
277 21.6 19.5 29.3
138 23.5 15.0 22.6#

