

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
 Data File : BF082640.D
 Acq On : 2 Nov 2015 19:36
 Operator : UM/IZ
 Sample : G4234-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DS-3

Quant Time: Nov 03 06:13:41 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF103015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 31 00:17:39 2015
 Response via : Initial Calibration

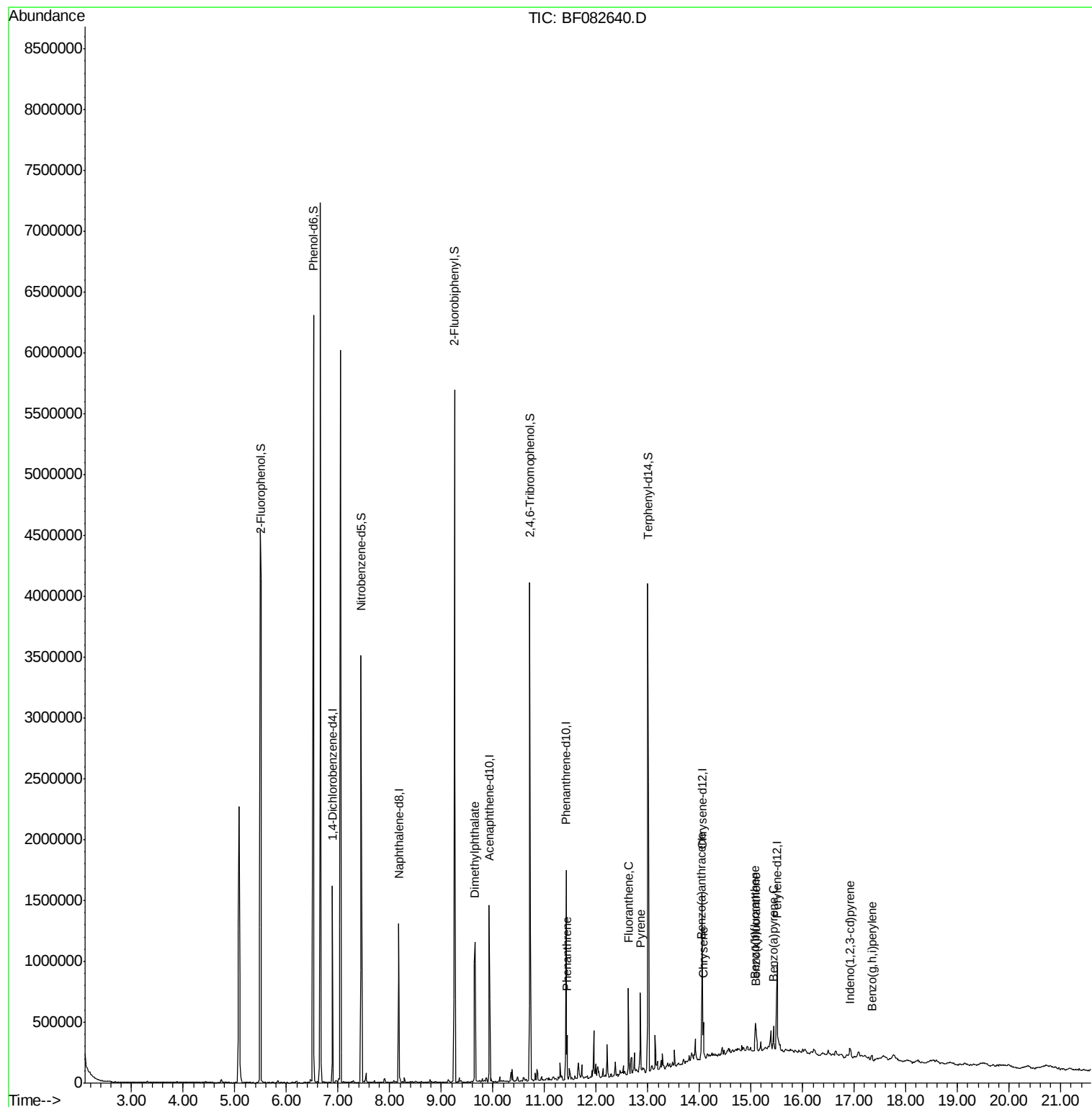
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	198700	20.00	ng	-0.02
21) Naphthalene-d8	8.18	136	690593	20.00	ng	-0.01
38) Acenaphthene-d10	9.93	164	309813	20.00	ng	-0.02
63) Phenanthrene-d10	11.41	188	550716	20.00	ng	-0.02
75) Chrysene-d12	14.05	240	423739	20.00	ng	-0.02
86) Perylene-d12	15.51	264	364847	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1803767	136.73	ng	0.00
7) Phenol-d6	6.52	99	2154021	122.90	ng	-0.01
23) Nitrobenzene-d5	7.45	82	1443855	85.38	ng	-0.02
41) 2,4,6-Tribromophenol	10.72	330	465757	137.37	ng	-0.02
44) 2-Fluorobiphenyl	9.25	172	1989754	91.19	ng	-0.02
78) Terphenyl-d14	13.00	244	1495588	77.24	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.65	163	643674	25.44	ng	Qvalue # 97
70) Phenanthrene	11.44	178	121773	3.92	ng	95
74) Fluoranthene	12.63	202	258610	8.14	ng	97
77) Pyrene	12.85	202	255137	8.13	ng	96
80) Benzo(a)anthracene	14.04	228	132575m	4.93	ng	
82) Chrysene	14.08	228	123440m	5.06	ng	
85) Indeno(1,2,3-cd)pyrene	16.91	276	50276	2.50	ng	# 90
87) Benzo(b)fluoranthene	15.08	252	122888m	4.88	ng	
88) Benzo(k)fluoranthene	15.09	252	56528m	2.95	ng	
89) Benzo(a)pyrene	15.44	252	94332	4.76	ng	94
91) Benzo(g,h,i)perylene	17.35	276	49808	2.78	ng	99

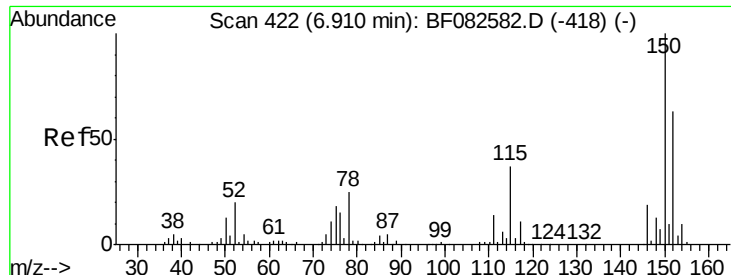
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.02 min

Lab File: BF082640.D

Acq: 2 Nov 2015 19:36

Instrument :

BNA_F

ClientSampleId :

DS-3

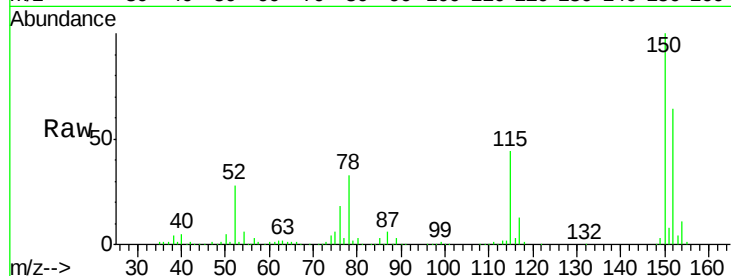
Tot Ion:152 Resp: 198700

Ion Ratio Lower Upper

152 100

150 155.6 127.0 190.4

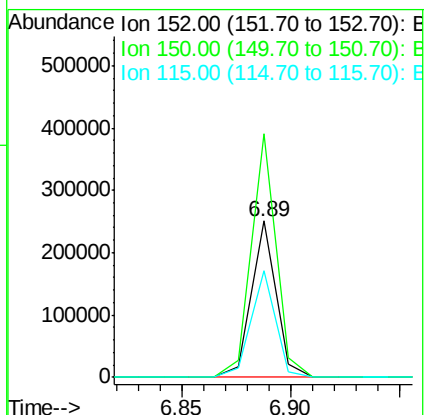
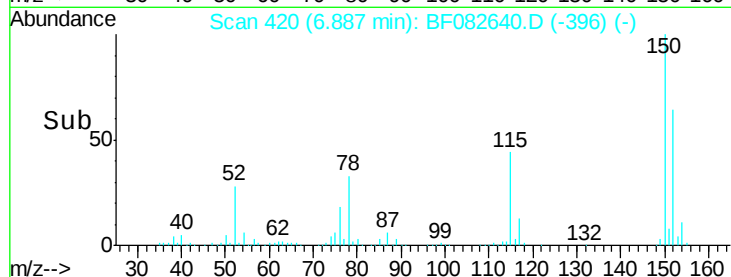
115 68.2 47.0 70.6



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: 136.73 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.00 min

Lab File: BF082640.D

Acq: 2 Nov 2015 19:36

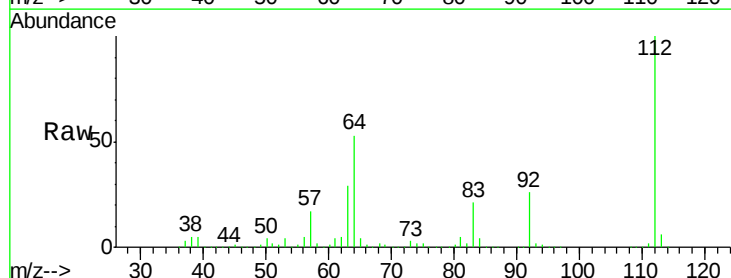
Tgt Ion:112 Resp: 1803767

Ion Ratio Lower Upper

112 100

64 52.9 48.9 73.3

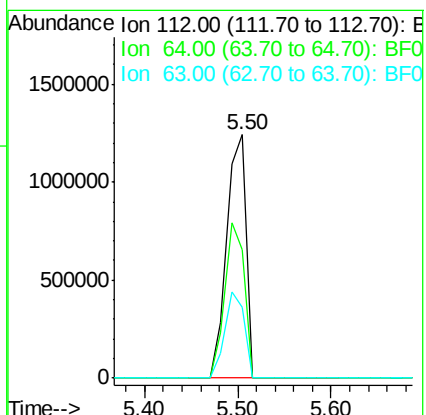
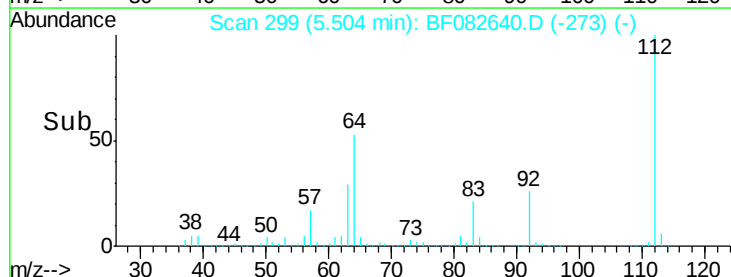
63 28.9 28.1 42.1



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: 122.90 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF082640.D

Acq: 2 Nov 2015 19:36

Instrument :

BNA_F

ClientSampleId :

DS-3

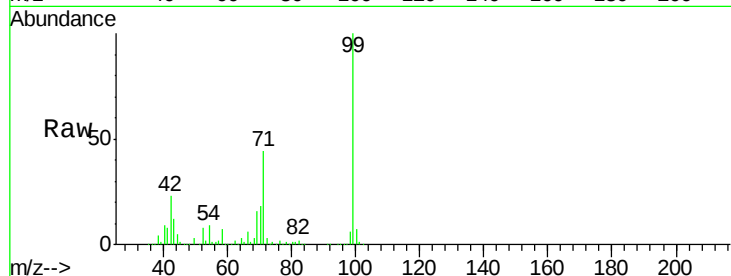
Tot Ion: 99 Resp: 2154021

Ion Ratio Lower Upper

99 100

42 23.4 19.2 28.8

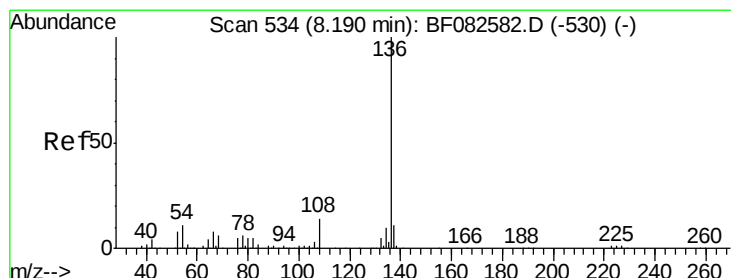
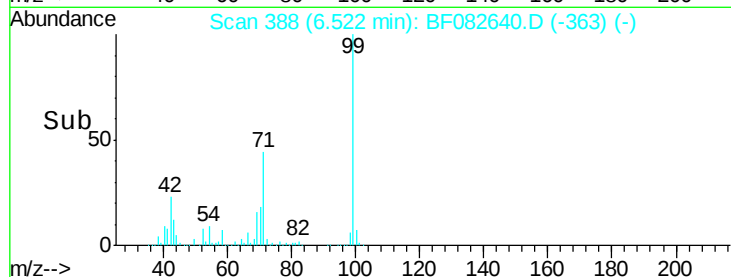
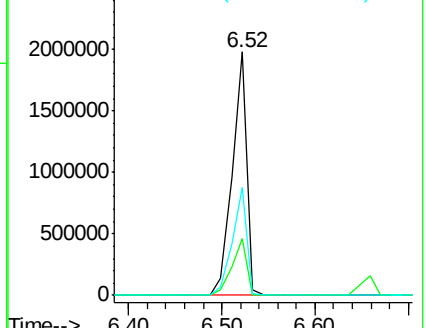
71 44.2 35.0 52.4



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.01 min

Lab File: BF082640.D

Acq: 2 Nov 2015 19:36

Tgt Ion: 136 Resp: 690593

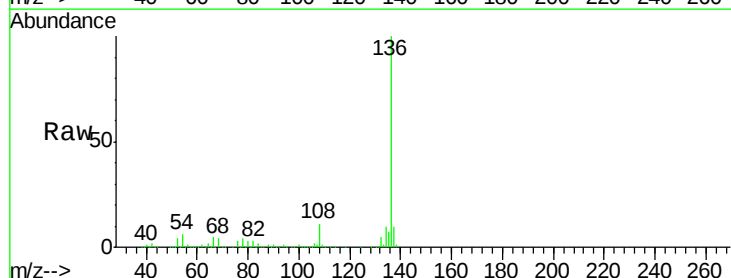
Ion Ratio Lower Upper

136 100

137 10.2 9.1 13.7

54 6.0 9.1 13.7#

68 4.2 4.8 7.2#

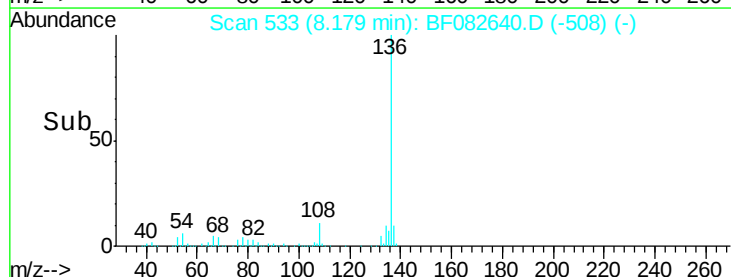
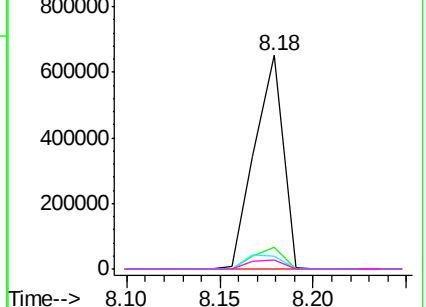


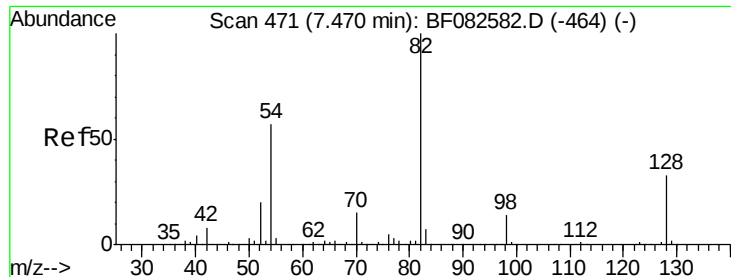
Abundance Ion 136.00 (135.70 to 136.70): E

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

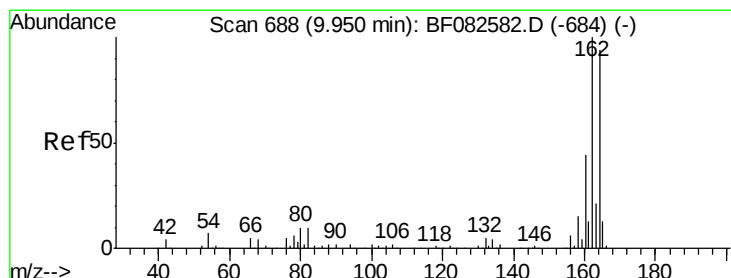
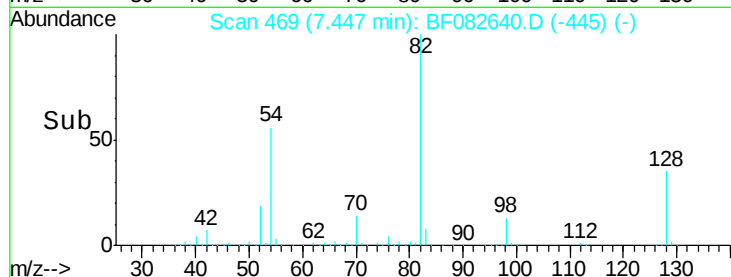
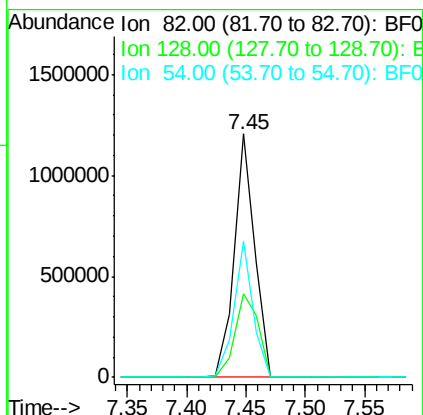
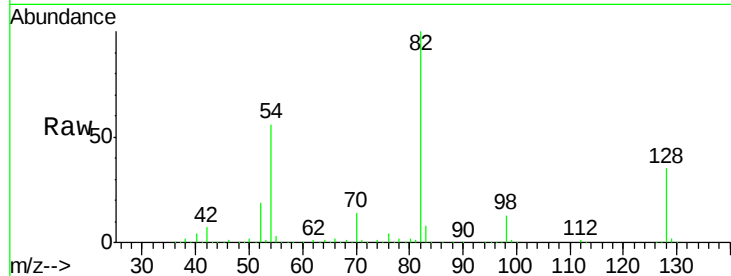




#23
 Nitrobenzene-d5
 Concen: 85.38 ng
 RT: 7.45 min Scan# 469
 Delta R.T. -0.02 min
 Lab File: BF082640.D
 Acq: 2 Nov 2015 19:36

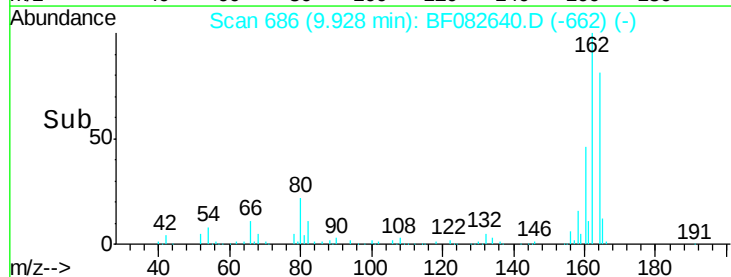
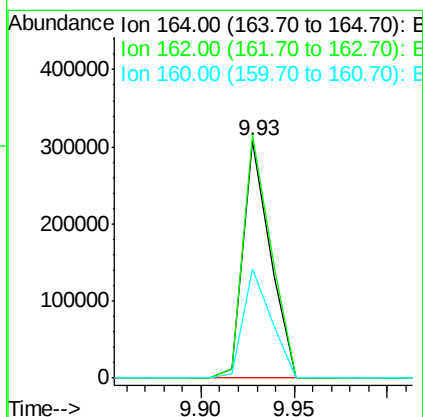
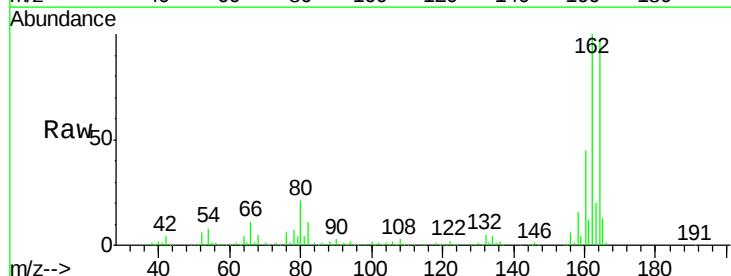
Instrument :
 BNA_F
 ClientSampleId :
 DS-3

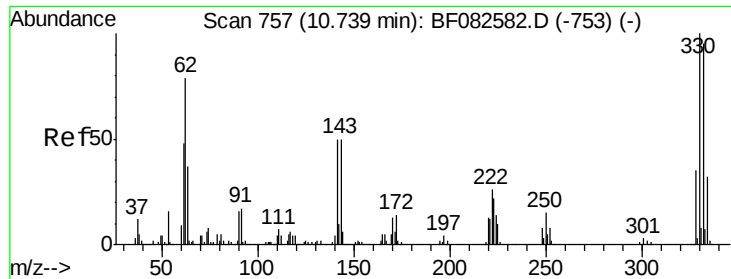
Tot Ion: 82 Resp: 1443855
 Ion Ratio Lower Upper
 82 100
 128 34.5 26.8 40.2
 54 56.1 45.7 68.5



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.93 min Scan# 686
 Delta R.T. -0.02 min
 Lab File: BF082640.D
 Acq: 2 Nov 2015 19:36

Tgt Ion: 164 Resp: 309813
 Ion Ratio Lower Upper
 164 100
 162 102.6 84.9 127.3
 160 46.3 37.5 56.3

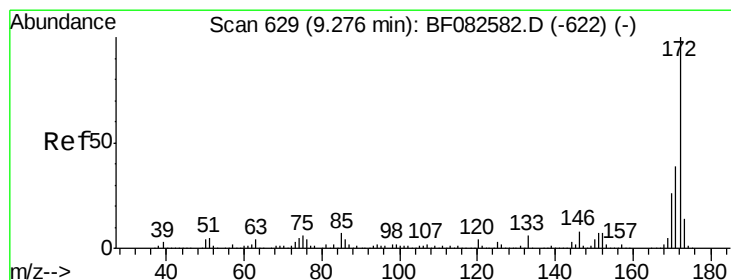
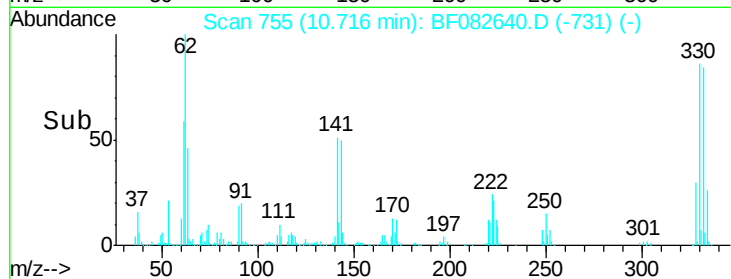
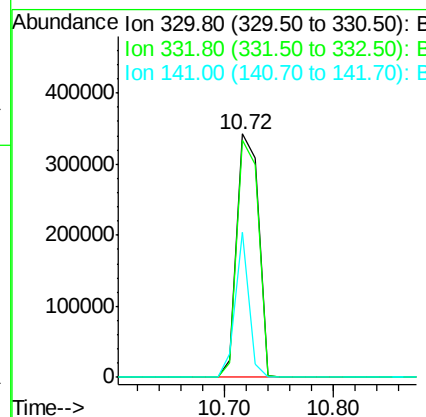
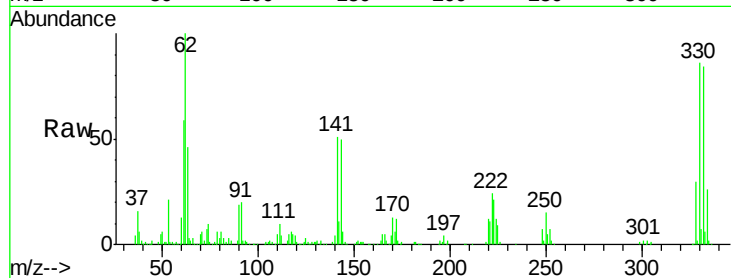




#41
 2,4,6-Tribromophenol
 Concen: 137.37 ng
 RT: 10.72 min Scan# 755
 Delta R.T. -0.02 min
 Lab File: BF082640.D
 Acq: 2 Nov 2015 19:36

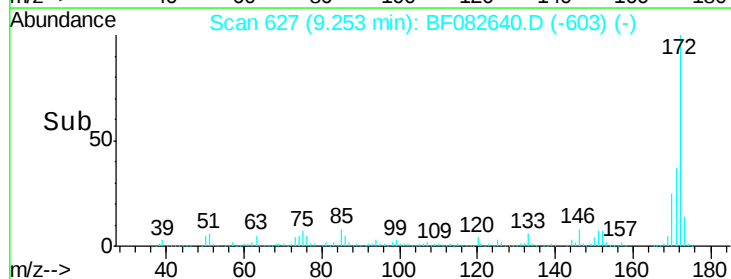
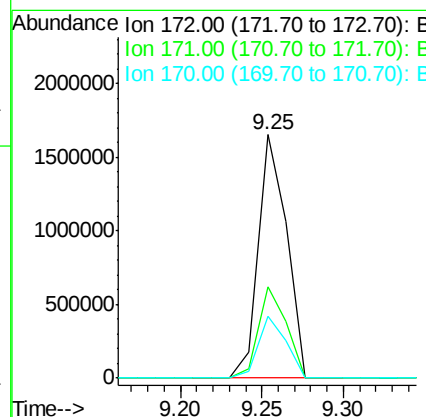
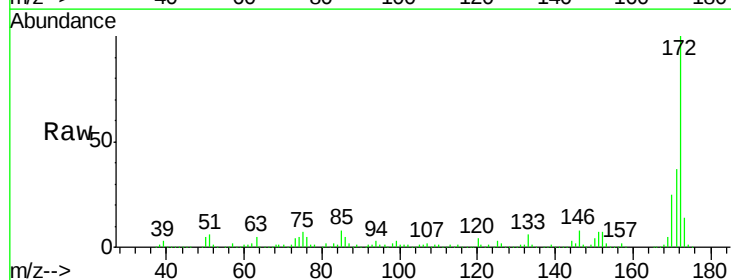
Instrument :
 BNA_F
 ClientSampleId :
 DS-3

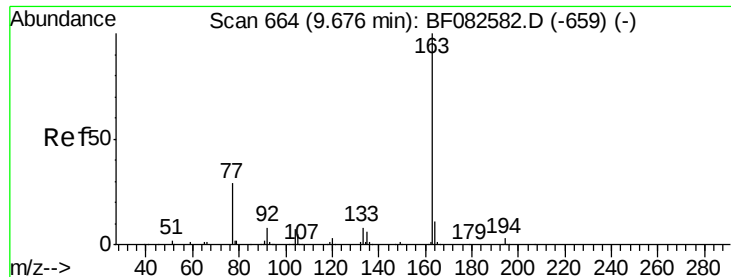
Tot Ion:330 Resp: 465757
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.6 114.8
 141 38.0 41.2 61.8#



#44
 2-Fluorobiphenyl
 Concen: 91.19 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.02 min
 Lab File: BF082640.D
 Acq: 2 Nov 2015 19:36

Tgt Ion:172 Resp: 1989754
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.8 46.2
 170 25.4 21.2 31.8





#49

Dimethylphthalate

Concen: 25.44 ng

RT: 9.65 min Scan# 662

Delta R.T. -0.02 min

Lab File: BF082640.D

Acq: 2 Nov 2015 19:36

Instrument :

BNA_F

ClientSampleId :

DS-3

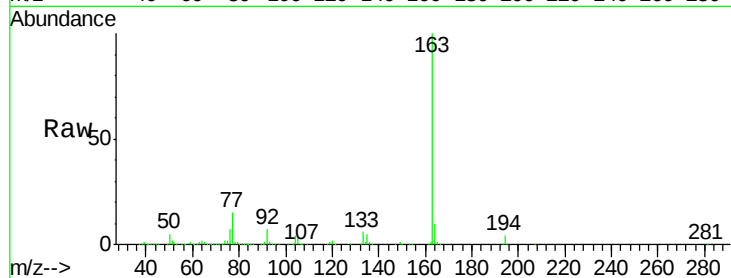
Tot Ion:163 Resp: 643674

Ion Ratio Lower Upper

163 100

194 4.0 2.6 4.0#

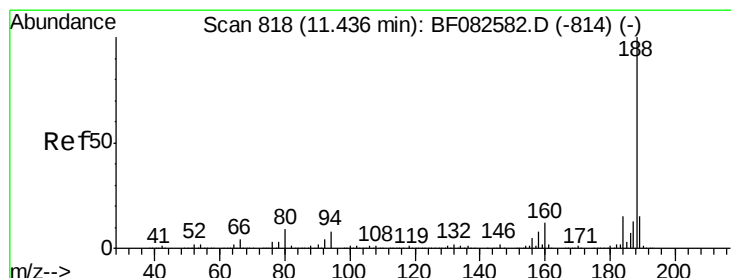
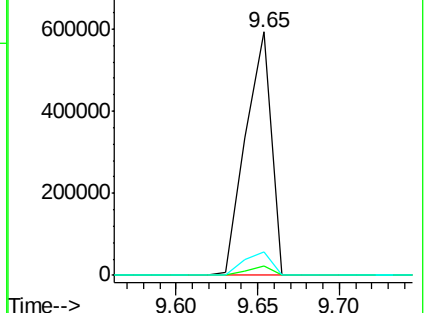
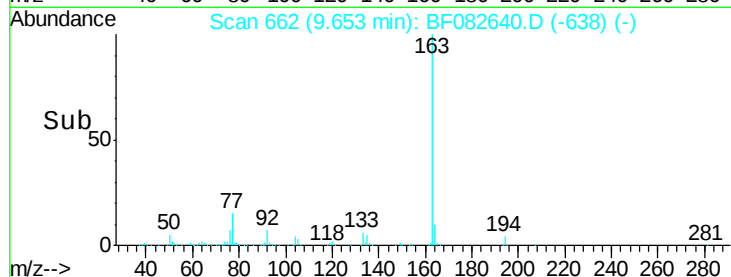
164 9.6 8.7 13.1



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.02 min

Lab File: BF082640.D

Acq: 2 Nov 2015 19:36

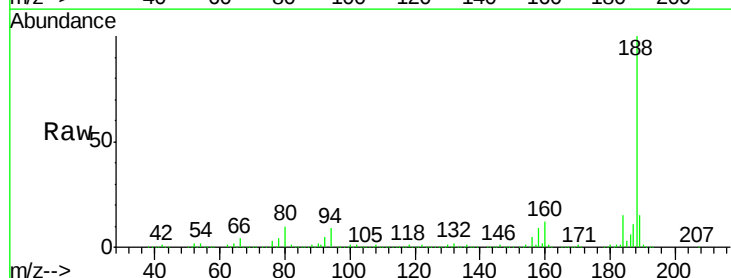
Tgt Ion:188 Resp: 550716

Ion Ratio Lower Upper

188 100

94 8.7 6.1 9.1

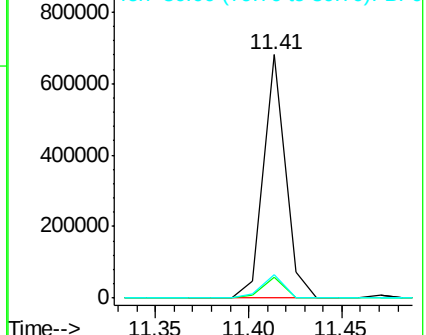
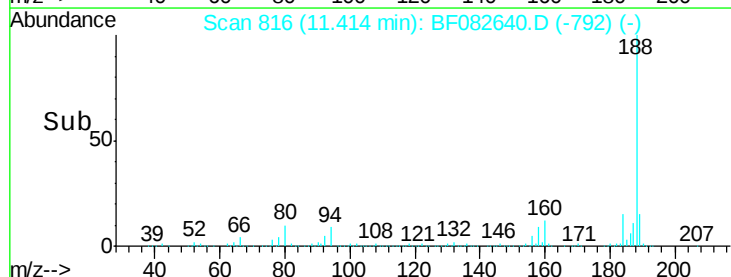
80 9.6 7.0 10.6

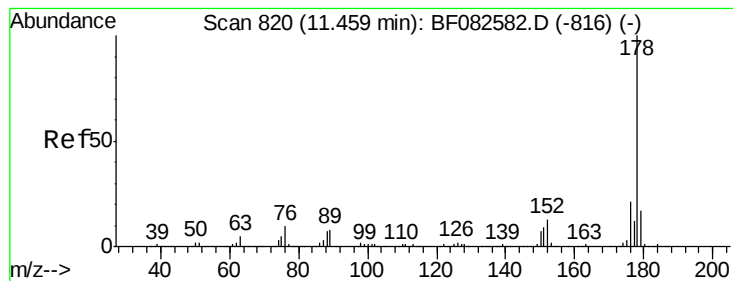


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 3.92 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.02 min

Lab File: BF082640.D

Acq: 2 Nov 2015 19:36

Instrument :

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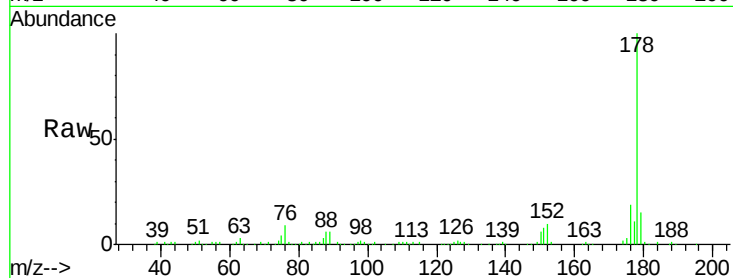
Tot Ion:178 Resp: 121773

Ion Ratio Lower Upper

178 100

176 19.2 17.0 25.4

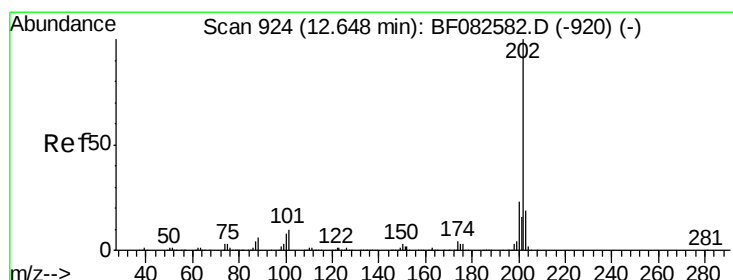
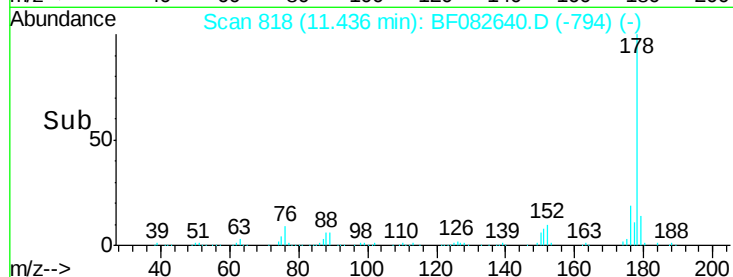
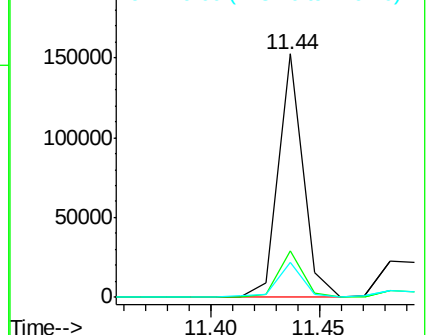
179 14.6 13.4 20.0



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



#74

Fluoranthene

Concen: 8.14 ng

RT: 12.63 min Scan# 922

Delta R.T. -0.02 min

Lab File: BF082640.D

Acq: 2 Nov 2015 19:36

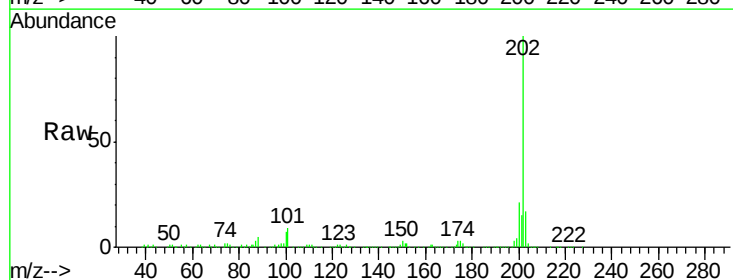
Tgt Ion:202 Resp: 258610

Ion Ratio Lower Upper

202 100

101 8.8 0.0 30.5

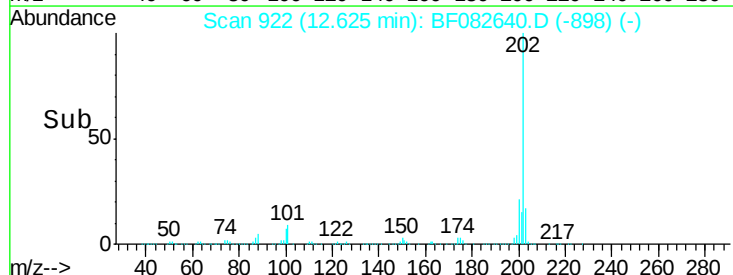
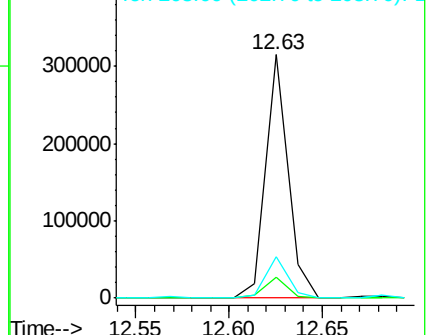
203 17.2 0.0 38.5

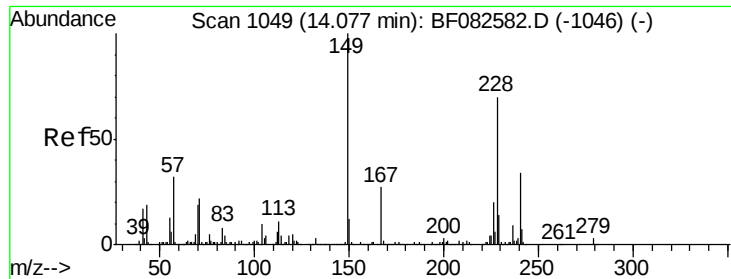


Abundance Ion 202.00 (201.70 to 202.70): E

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. -0.02 min

Lab File: BF082640.D

Acq: 2 Nov 2015 19:36

Instrument :

BNA_F

ClientSampleId :

DS-3

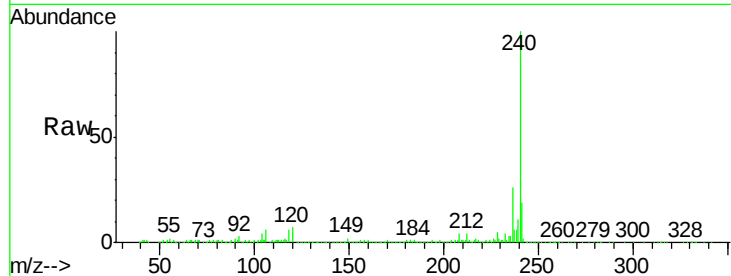
Tot Ion:240 Resp: 423739

Ion Ratio Lower Upper

240 100

120 7.3 10.9 16.3#

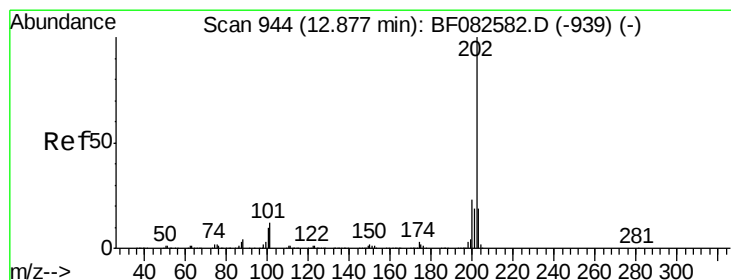
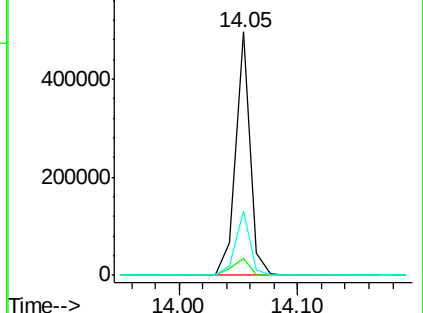
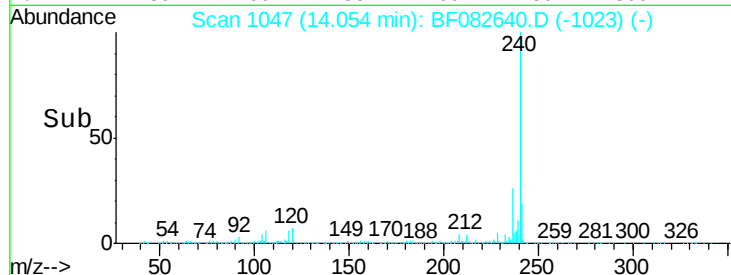
236 26.5 21.6 32.4



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: 8.13 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.02 min

Lab File: BF082640.D

Acq: 2 Nov 2015 19:36

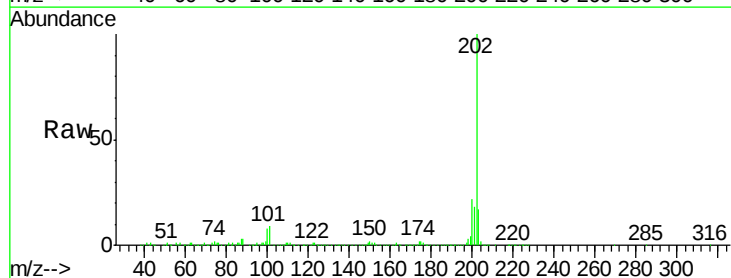
Tgt Ion:202 Resp: 255137

Ion Ratio Lower Upper

202 100

200 21.5 18.7 28.1

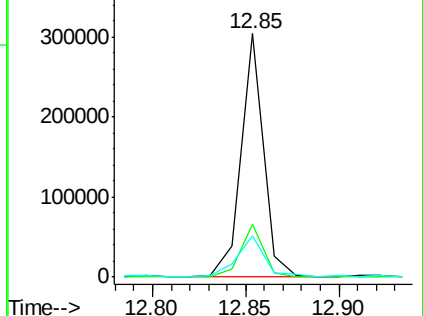
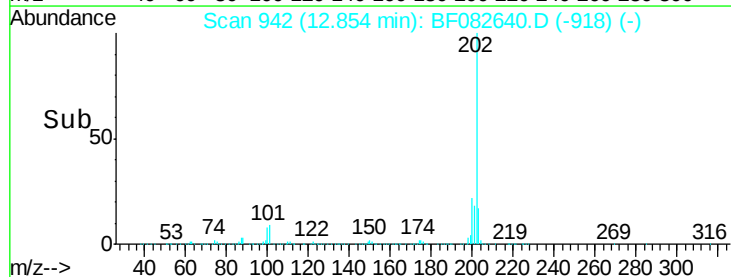
203 17.1 14.8 22.2

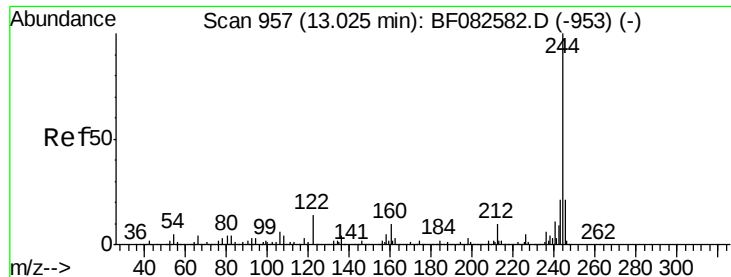


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 77.24 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.02 min

Lab File: BF082640.D

Acq: 2 Nov 2015 19:36

Instrument :

BNA_F

ClientSampleId :

DS-3

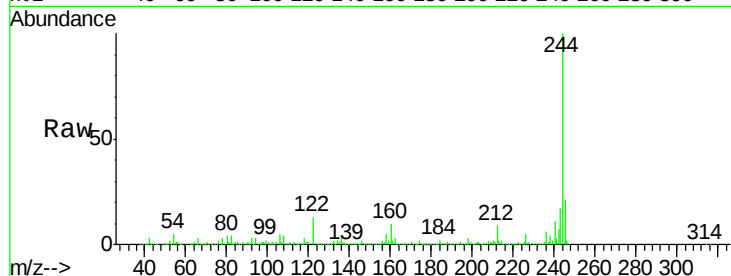
Tot Ion:244 Resp: 1495588

Ion Ratio Lower Upper

244 100

212 9.1 7.6 11.4

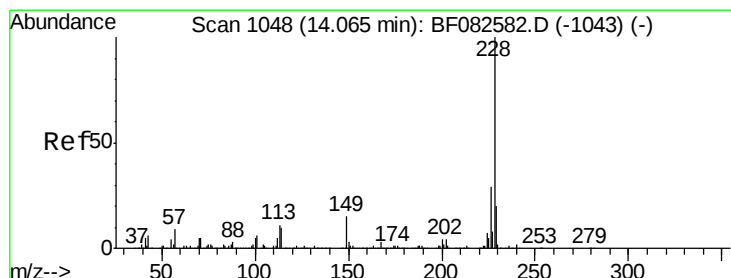
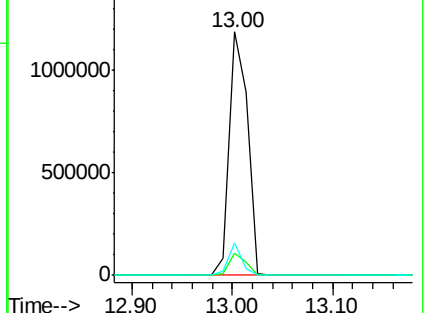
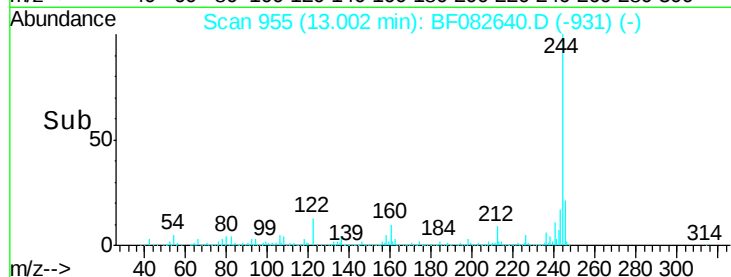
122 13.4 11.3 16.9



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: 4.93 ng m

RT: 14.04 min Scan# 1046

Delta R.T. -0.02 min

Lab File: BF082640.D

Acq: 2 Nov 2015 19:36

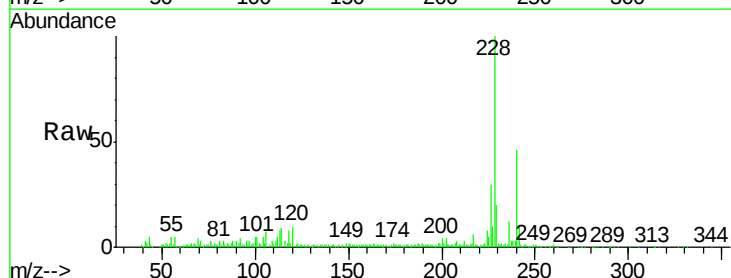
Tgt Ion:228 Resp: 132575

Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.2

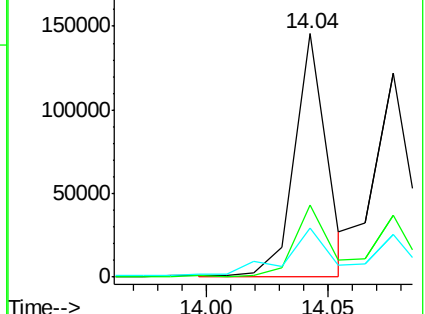
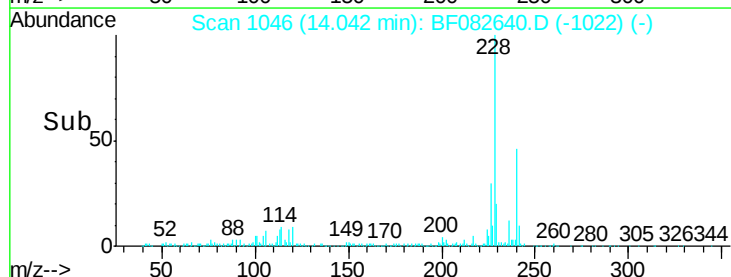
229 20.0 16.3 24.5

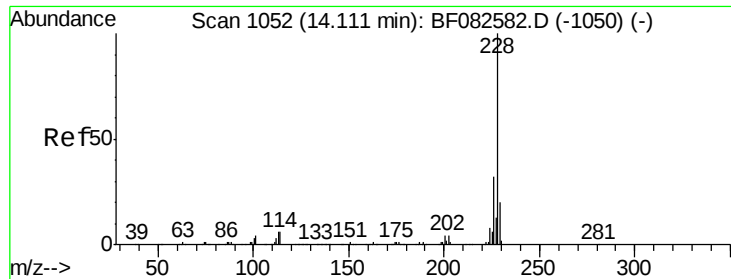


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.06 ng/mL

RT: 14.08 min Scan# 1049

Delta R.T. -0.03 min

Lab File: BF082640.D

Acq: 2 Nov 2015 19:36

Instrument :

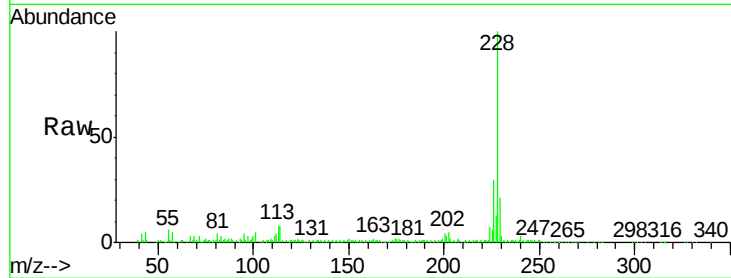
BNA_F

ClientSampleId :

DS-3

Tot Ion:228 Resp: 123440

Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.5	38.3
229	21.0	16.3	24.5

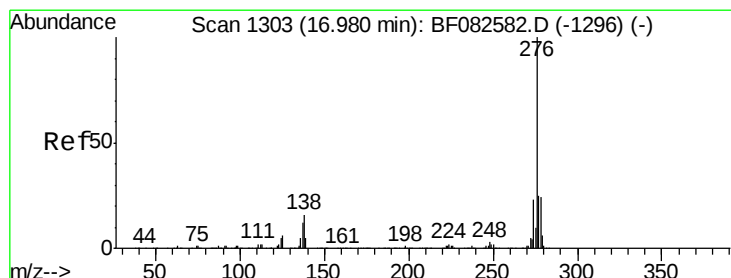
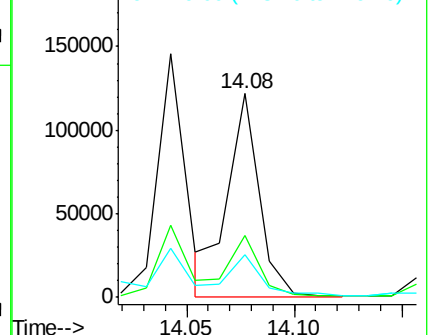
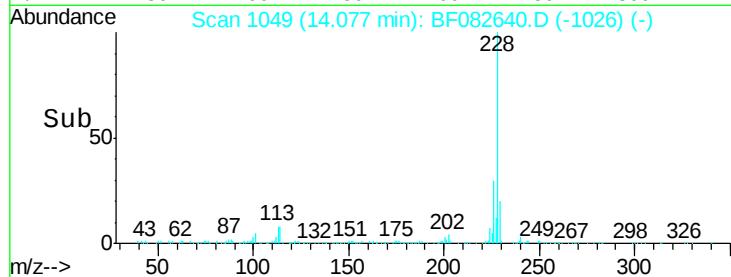


Abundance

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: 2.50 ng/mL

RT: 16.91 min Scan# 1297

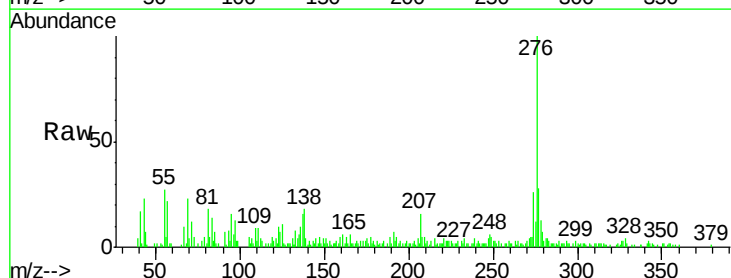
Delta R.T. -0.07 min

Lab File: BF082640.D

Acq: 2 Nov 2015 19:36

Tgt Ion:276 Resp: 50276

Ion	Ratio	Lower	Upper
276	100		
138	17.1	15.3	22.9
277	32.1	20.2	30.4

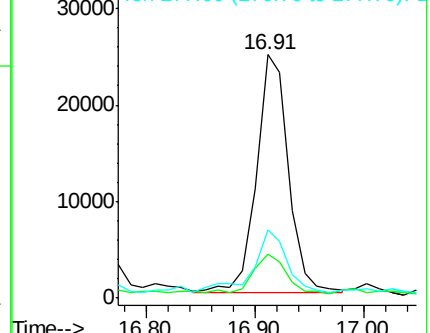
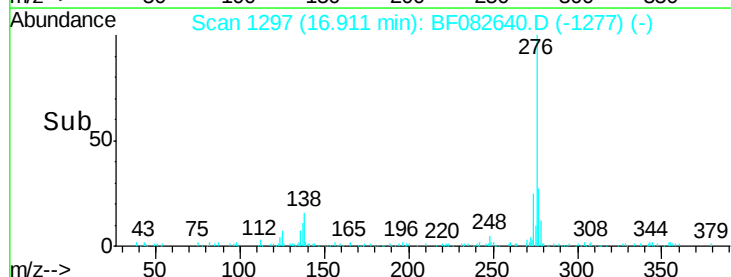


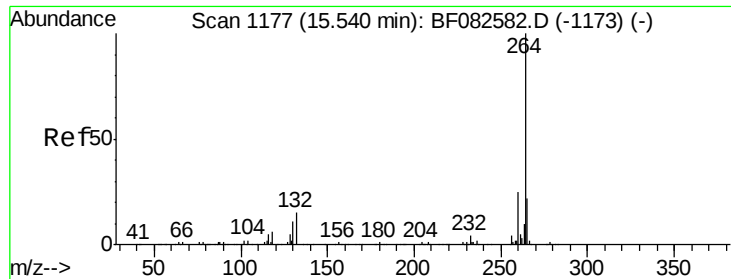
Abundance

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

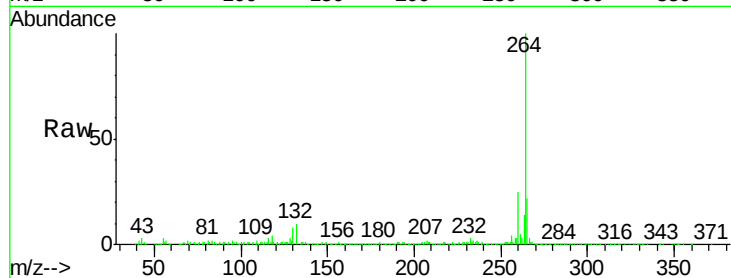




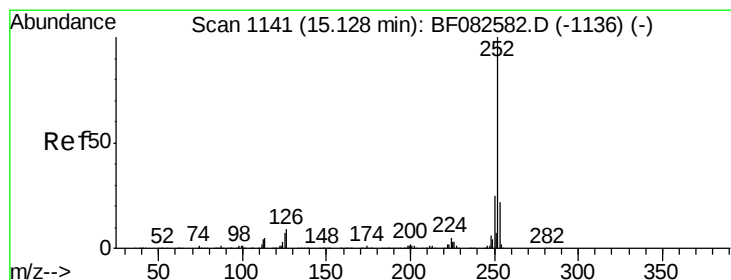
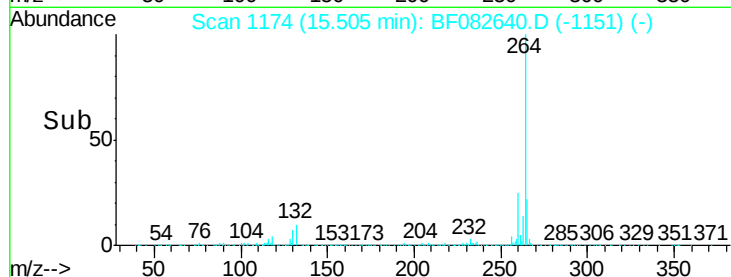
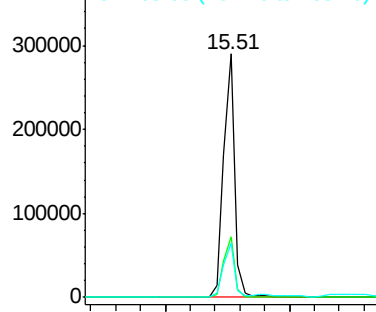
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1174
Delta R.T. -0.03 min
Lab File: BF082640.D
Acq: 2 Nov 2015 19:36

Instrument :
BNA_F
ClientSampleId :
DS-3

Tot Ion:264 Resp: 364847
Ion Ratio Lower Upper
264 100
260 25.0 19.8 29.6
265 22.4 17.4 26.0

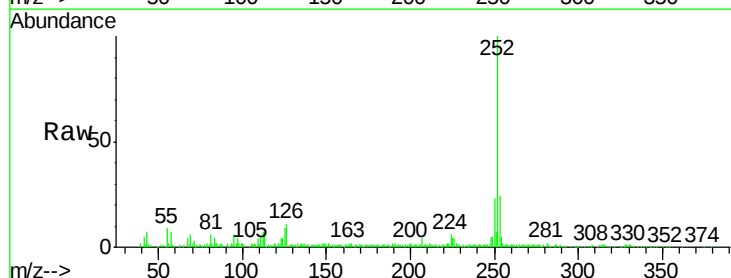


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

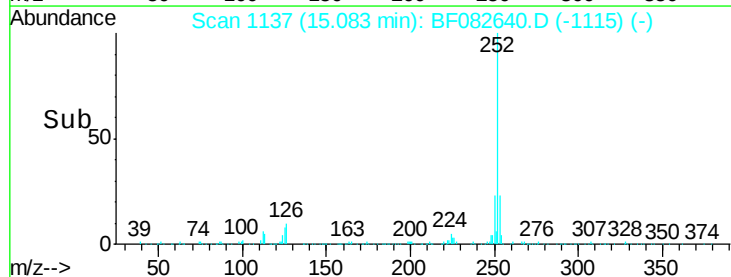
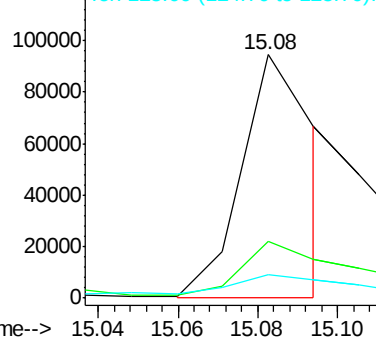


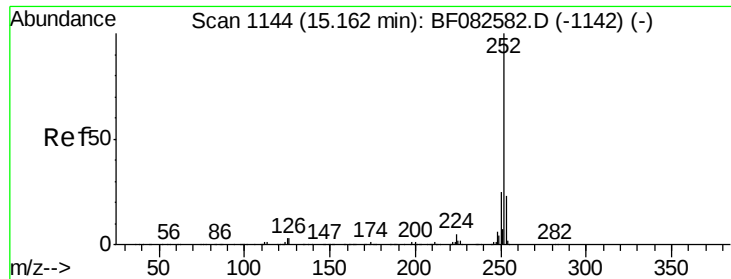
#87
Benzo(b)fluoranthene
Concen: 4.88 ng m
RT: 15.08 min Scan# 1137
Delta R.T. -0.05 min
Lab File: BF082640.D
Acq: 2 Nov 2015 19:36

Tgt Ion:252 Resp: 122888
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 9.4 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

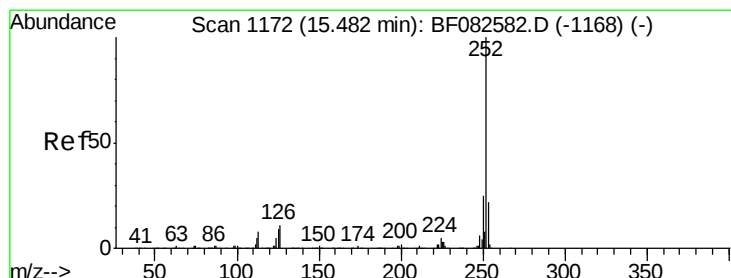
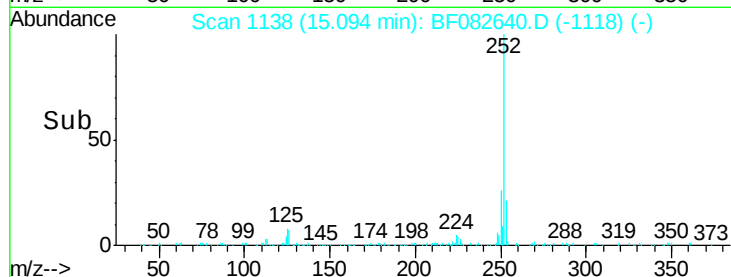
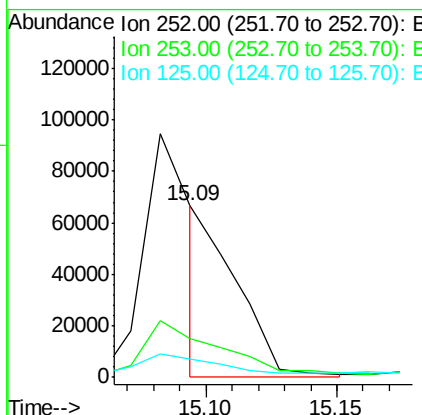
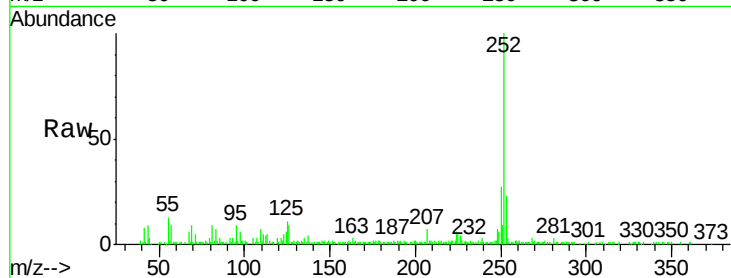




#88
Benzo(k)fluoranthene
Concen: 2.95 ng
RT: 15.09 min Scan# 1138
Delta R.T. -0.07 min
Lab File: BF082640.D
Acq: 2 Nov 2015 19:36

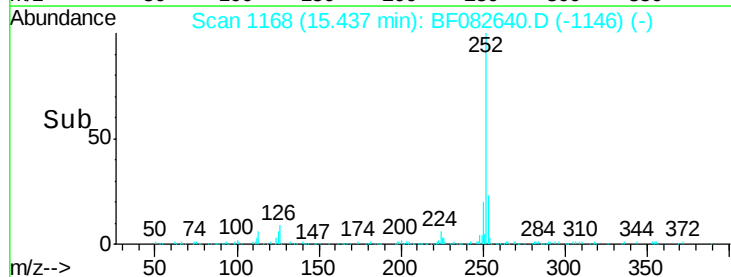
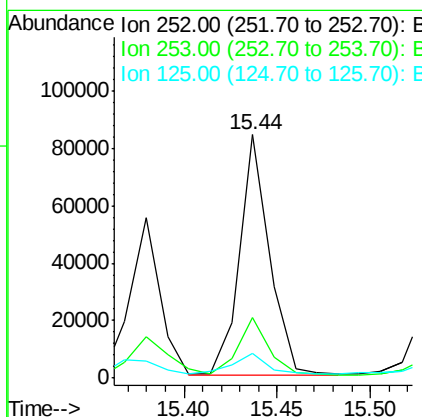
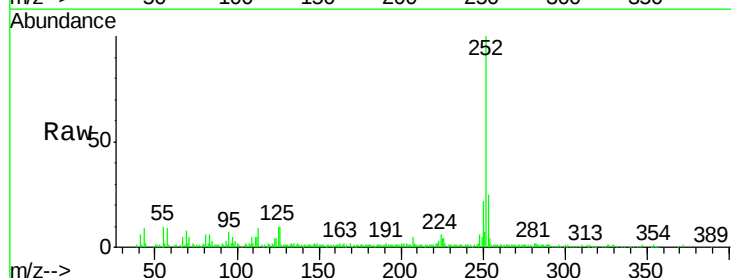
Instrument :
BNA_F
ClientSampleId :
DS-3

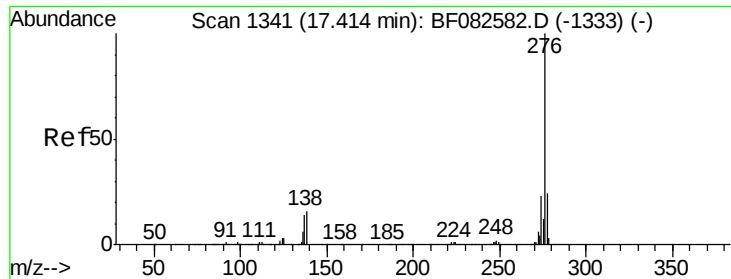
Tot Ion:252 Resp: 56528
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 10.7 3.5 5.3#



#89
Benzo(a)pyrene
Concen: 4.76 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.05 min
Lab File: BF082640.D
Acq: 2 Nov 2015 19:36

Tgt Ion:252 Resp: 94332
Ion Ratio Lower Upper
252 100
253 24.8 17.3 25.9
125 10.0 7.1 10.7

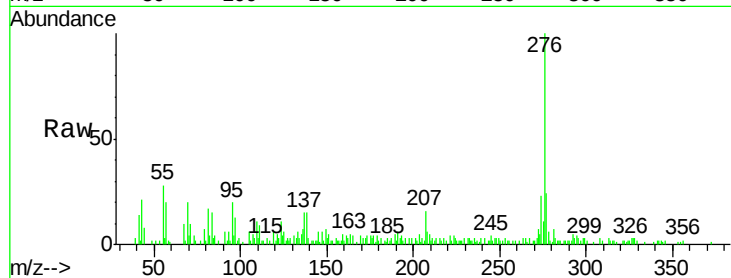




#91
 Benzo(a,h,i)perylene
 Concen: 2.78 ng
 RT: 17.35 min Scan# 1335
 Delta R.T. -0.07 min
 Lab File: BF082640.D
 Acq: 2 Nov 2015 19:36

Instrument :
 BNA_F
 ClientSampleId :
 DS-3

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	23.7	19.2	28.8	
138	15.4	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

