

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030416\
 Data File : BF085250.D
 Acq On : 5 Mar 2016 13:15
 Operator : SJ/IZ
 Sample : H1675-01DL 50X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-001(0-2)DL

Quant Time: Mar 07 00:07:28 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

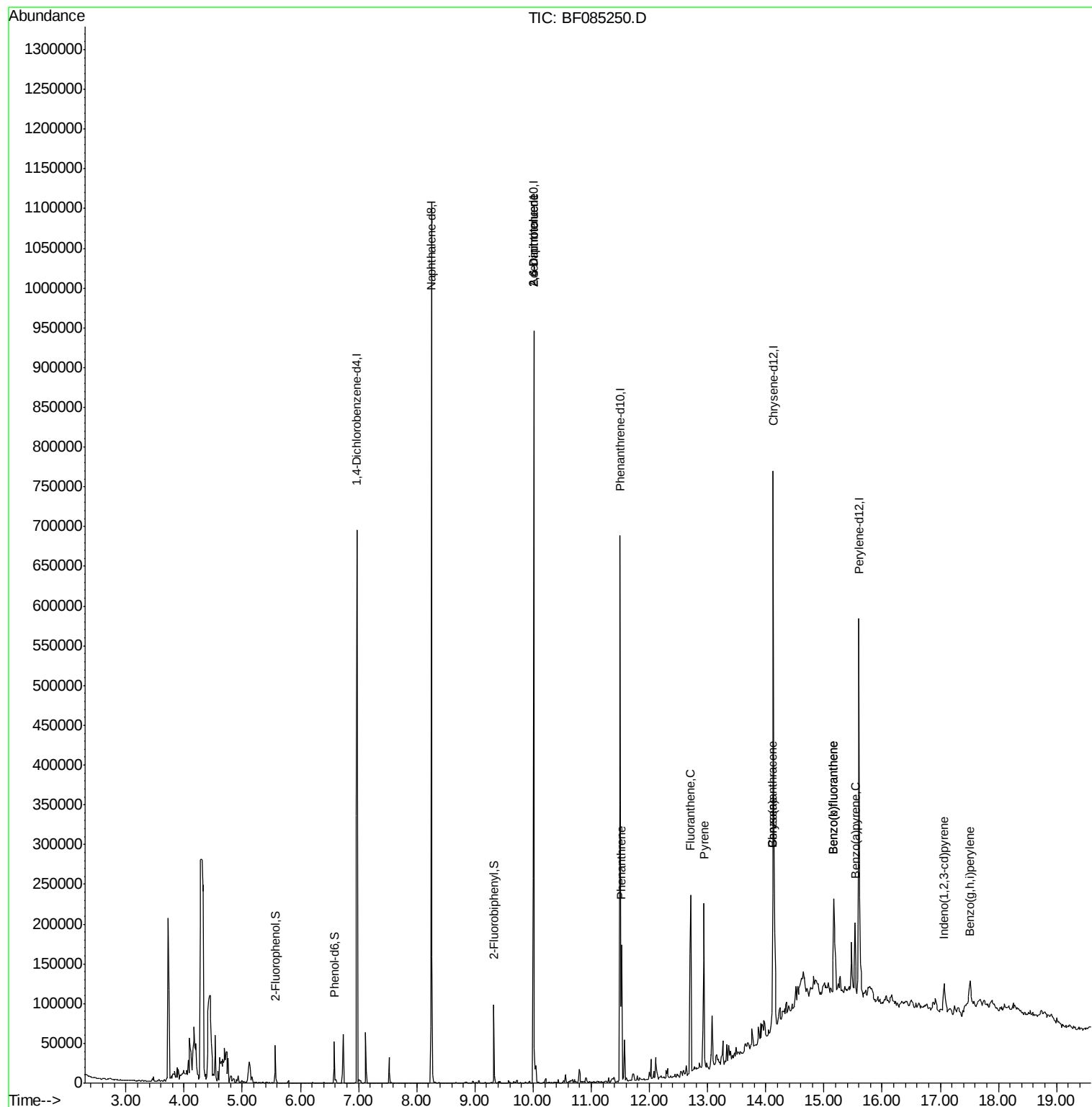
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	123820	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	460405	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	185968	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	298299	20.00	ng	-0.01
75) Chrysene-d12	14.13	240	216189	20.00	ng	-0.02
86) Perylene-d12	15.60	264	210396	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	14908	2.02	ng	-0.01
7) Phenol-d6	6.58	99	21424	2.22	ng	-0.02
23) Nitrobenzene-d5	7.52	82	12711	1.48	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	2227	1.40	ng	-0.01
44) 2-Fluorobiphenyl	9.33	172	28315	2.32	ng	-0.02
78) Terphenyl-d14	13.08	244	17075	1.83	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.73	77	289	Below Cal	#	42
50) 2,6-Dinitrotoluene	10.01	165	23380	7.66	ng	# 26
56) 2,4-Dinitrotoluene	10.01	165	23376	5.98	ng	# 22
70) Phenanthrene	11.52	178	76768	4.91	ng	96
74) Fluoranthene	12.71	202	115449	7.36	ng	95
77) Pyrene	12.94	202	105369	6.48	ng	96
80) Benzo(a)anthracene	14.12	228	60039	4.64	ng	99
82) Chrysene	14.12	228	60039	5.02	ng	95
85) Indeno(1,2,3-cd)pyrene	17.07	276	22847	2.45	ng	# 80
87) Benzo(b)fluoranthene	15.17	252	84600	6.03	ng	98
88) Benzo(k)fluoranthene	15.17	252	84600	7.48	ng	97
89) Benzo(a)pyrene	15.53	252	41197	3.55	ng	# 91
91) Benzo(g,h,i)perylene	17.51	276	21409	2.15	ng	94

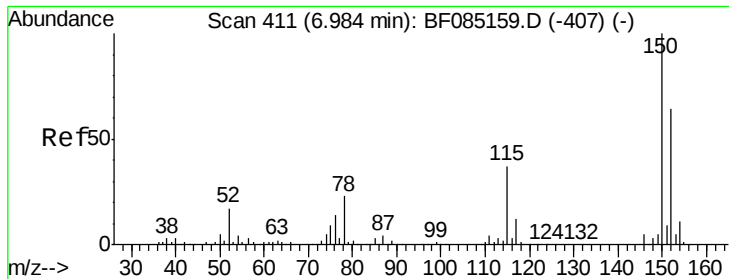
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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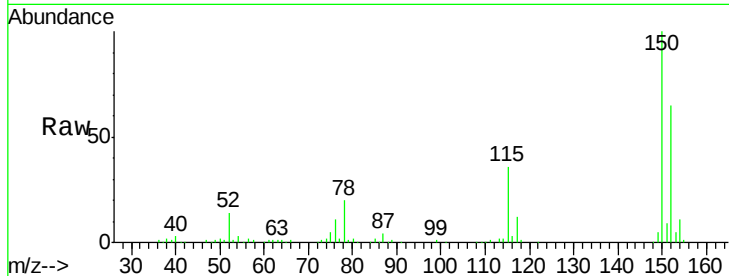


#1

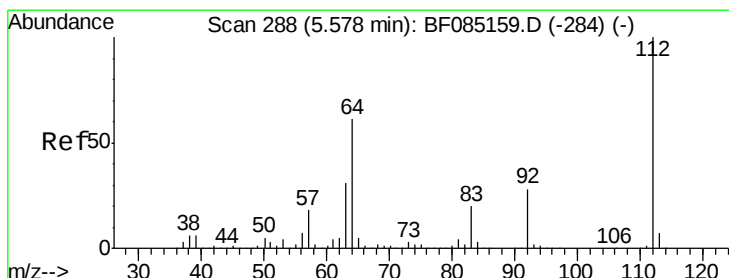
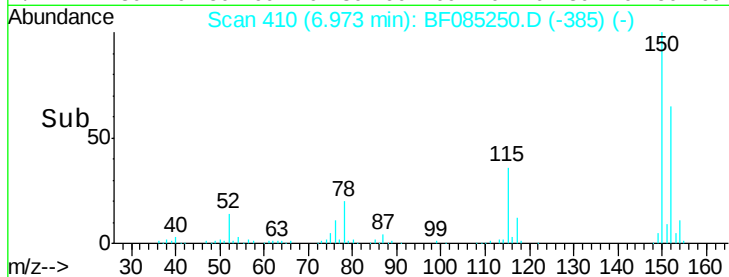
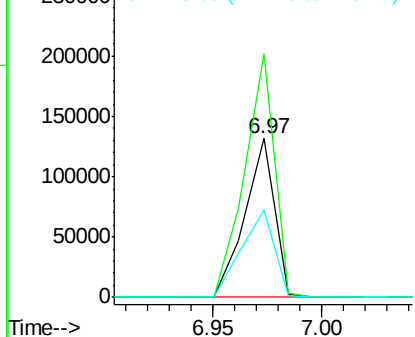
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 410
Delta R.T. -0.01 min
Lab File: BF085250.D
Acq: 5 Mar 2016 13:15

Instrument :
BNA_F
ClientSampleId :
SP-001(0-2)DL

Tgt Ion:152 Resp: 123820
Ion Ratio Lower Upper
152 100
150 153.3 124.6 186.8
115 55.2 46.6 70.0



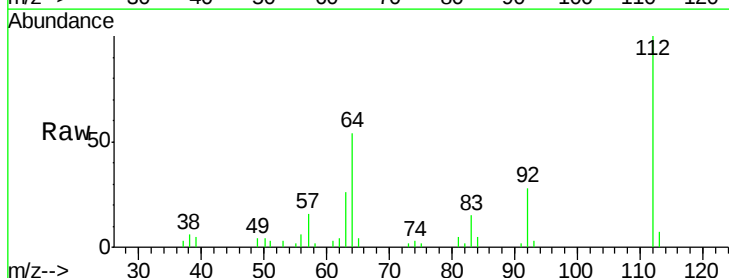
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



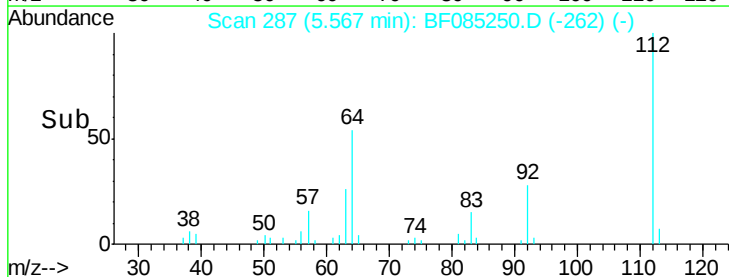
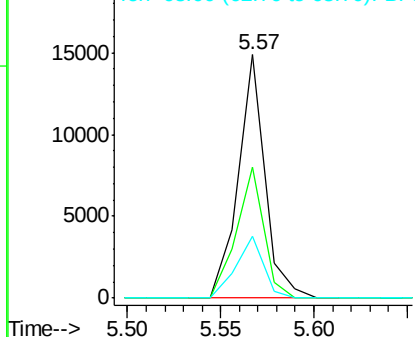
#5

2-Fluorophenol
Concen: 2.02 ng
RT: 5.57 min Scan# 287
Delta R.T. -0.01 min
Lab File: BF085250.D
Acq: 5 Mar 2016 13:15

Tgt Ion:112 Resp: 14908
Ion Ratio Lower Upper
112 100
64 53.9 49.0 73.4
63 25.5 24.8 37.2



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: 2.22 ng

RT: 6.58 min Scan# 376

Delta R.T. -0.02 min

Lab File: BF085250.D

Acq: 5 Mar 2016 13:15

Instrument :

BNA_F

ClientSampleId :

SP-001(0-2)DL

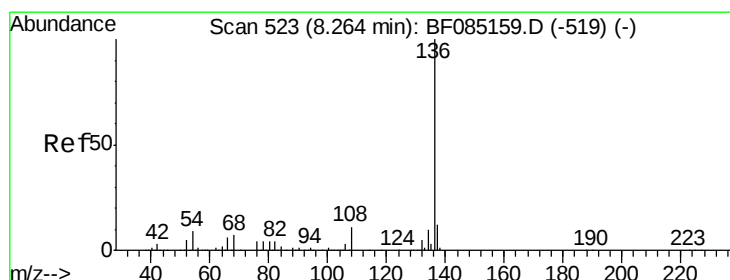
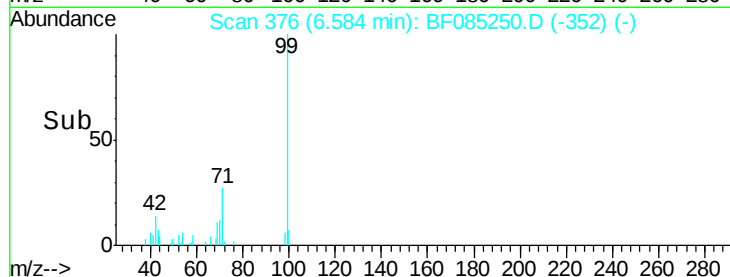
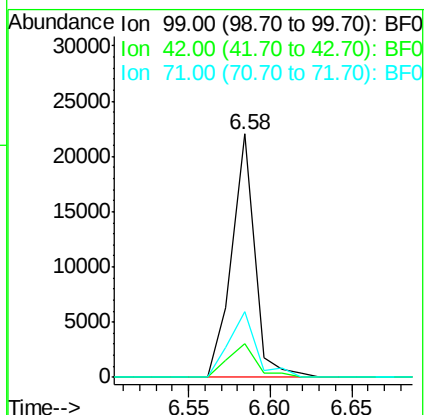
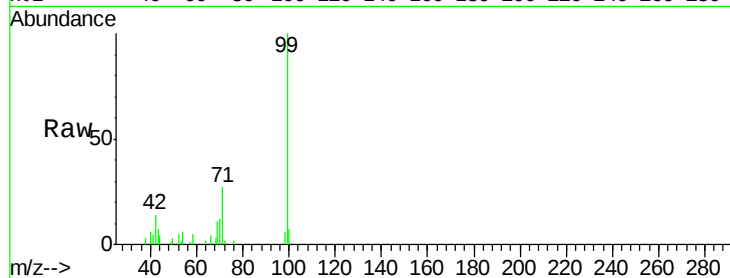
Tgt Ion: 99 Resp: 21424

Ion Ratio Lower Upper

99 100

42 13.6 13.6 20.4

71 27.1 26.7 40.1



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.25 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF085250.D

Acq: 5 Mar 2016 13:15

Tgt Ion: 136 Resp: 460405

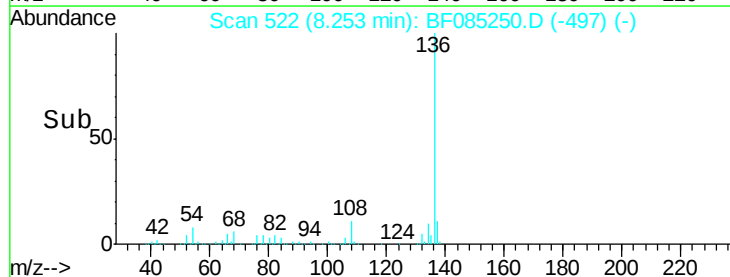
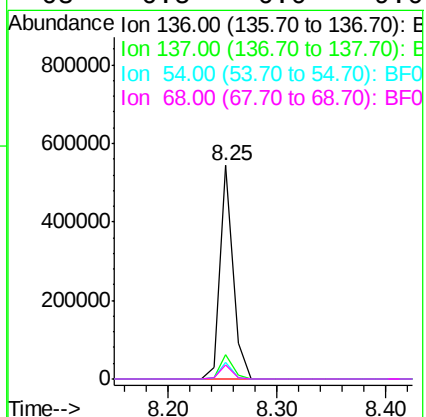
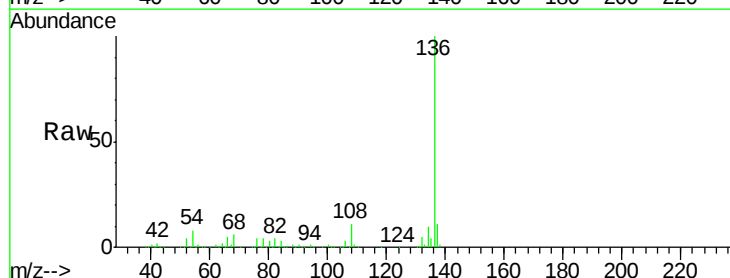
Ion Ratio Lower Upper

136 100

137 11.2 9.3 13.9

54 8.0 7.4 11.2

68 6.5 6.0 9.0

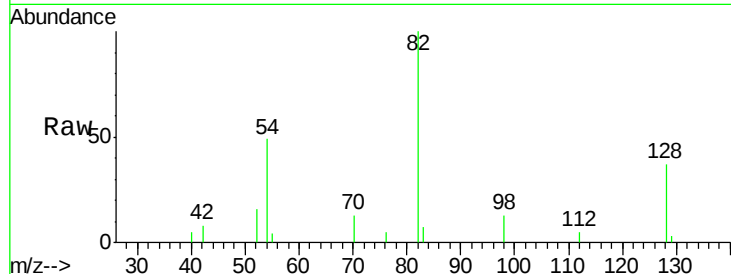




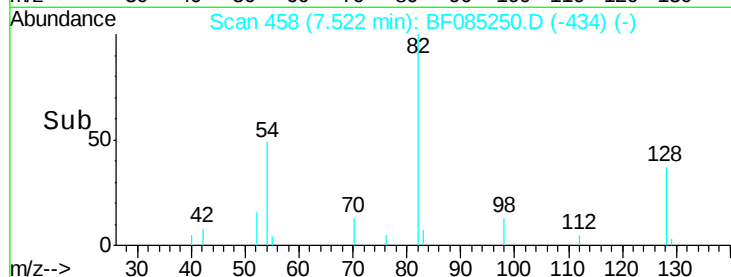
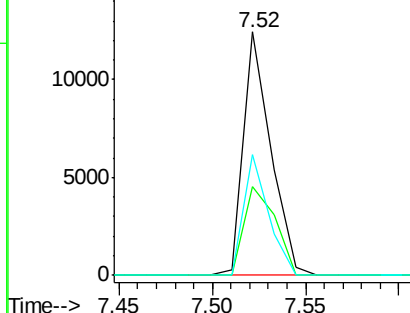
#23
 Nitrobenzene-d5
 Concen: 1.48 ng
 RT: 7.52 min Scan# 458
 Delta R.T. -0.02 min
 Lab File: BF085250.D
 Acq: 5 Mar 2016 13:15

Instrument :
 BNA_F
 ClientSampleId :
 SP-001(0-2)DL

Tgt Ion: 82 Resp: 12711
 Ion Ratio Lower Upper
 82 100
 128 36.7 34.5 51.7
 54 49.4 39.3 58.9

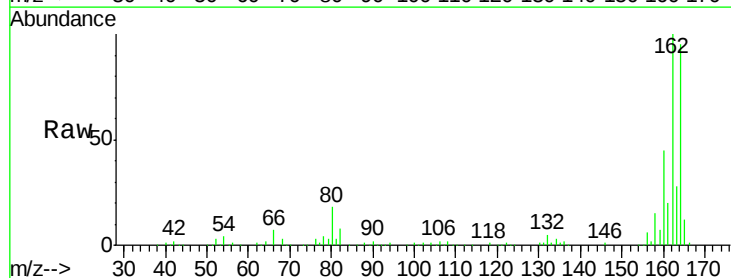


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

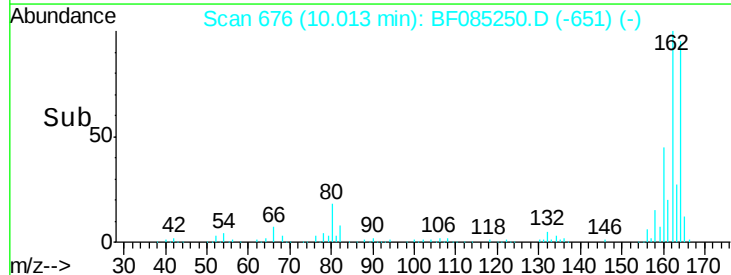
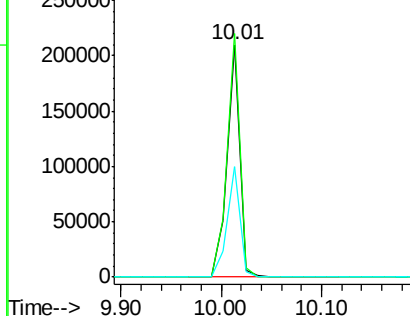


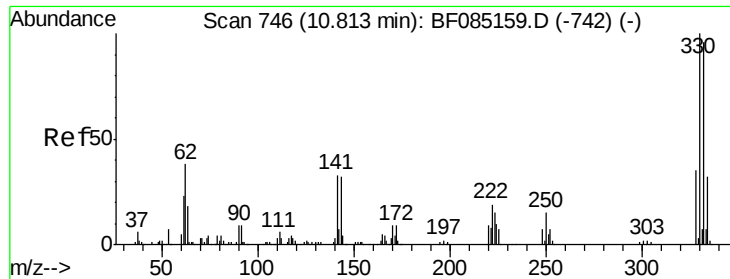
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.01 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: BF085250.D
 Acq: 5 Mar 2016 13:15

Tgt Ion: 164 Resp: 185968
 Ion Ratio Lower Upper
 164 100
 162 104.9 83.3 124.9
 160 47.5 37.9 56.9



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

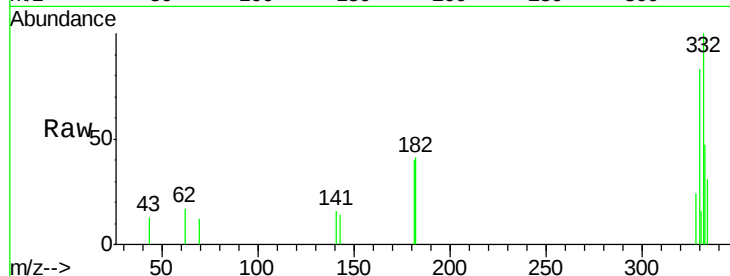




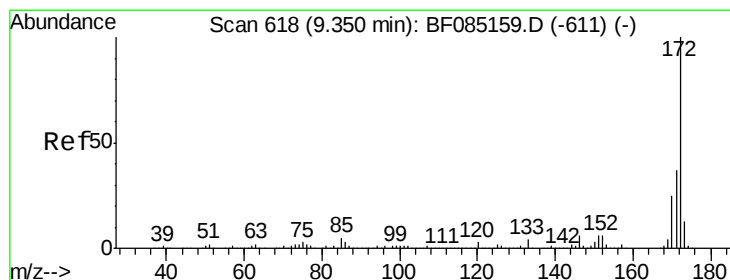
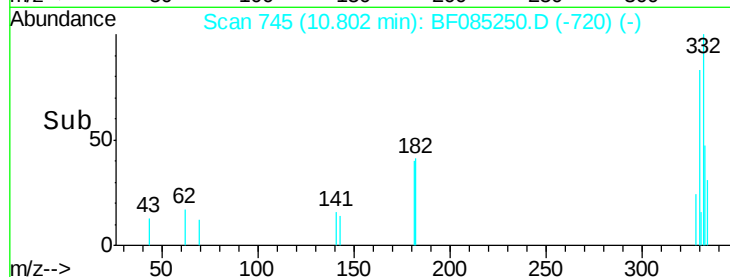
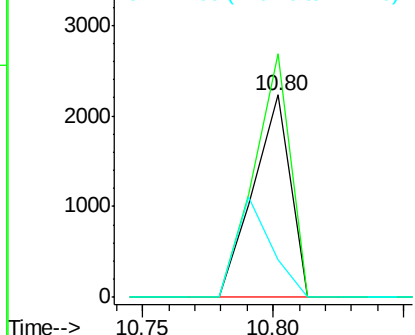
#41
 2,4,6-Tribromophenol
 Concen: 1.40 ng
 RT: 10.80 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF085250.D
 Acq: 5 Mar 2016 13:15

Instrument :
 BNA_F
 ClientSampleId :
 SP-001(0-2)DL

Tgt Ion:330 Resp: 2227
 Ion Ratio Lower Upper
 330 100
 332 117.8 77.1 115.7#
 141 47.0 35.0 52.6

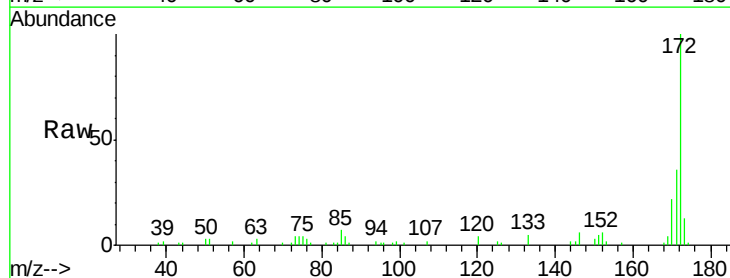


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

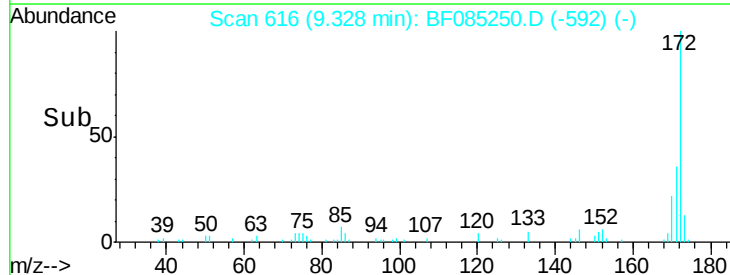
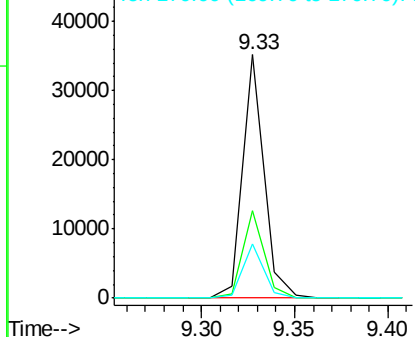


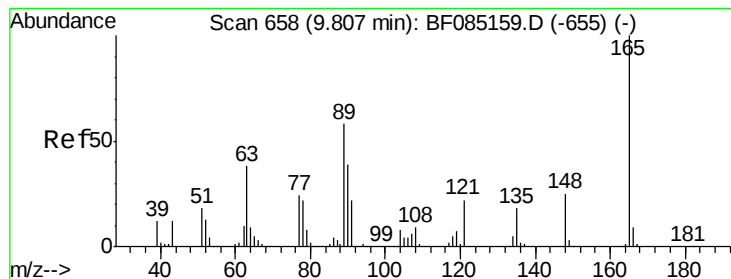
#44
 2-Fluorobiphenyl
 Concen: 2.32 ng
 RT: 9.33 min Scan# 616
 Delta R.T. -0.02 min
 Lab File: BF085250.D
 Acq: 5 Mar 2016 13:15

Tgt Ion:172 Resp: 28315
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.3 43.9
 170 22.2 20.0 30.0



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: 7.66 ng

RT: 10.01 min Scan# 676

Delta R.T. 0.21 min

Lab File: BF085250.D

Acq: 5 Mar 2016 13:15

Instrument :

BNA_F

ClientSampleId :

SP-001(0-2)DL

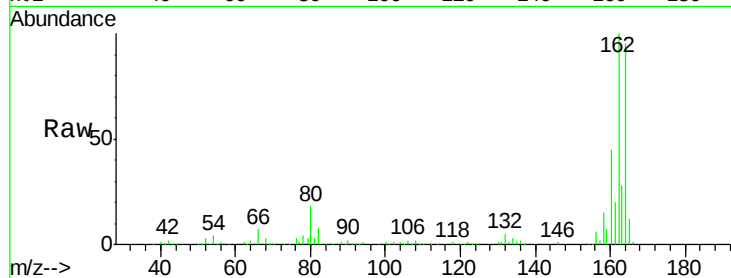
Tgt Ion:165 Resp: 23380

Ion Ratio Lower Upper

165 100

63 1.4 41.8 62.8#

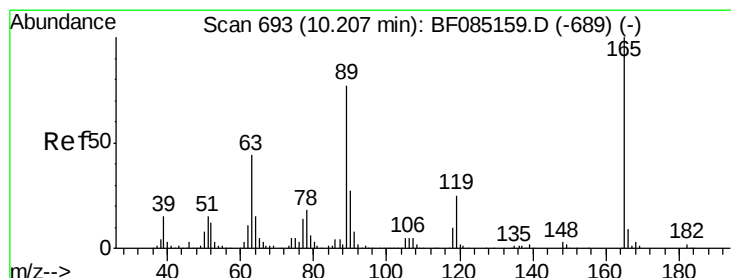
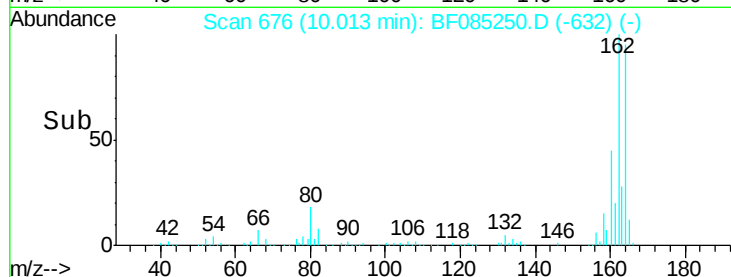
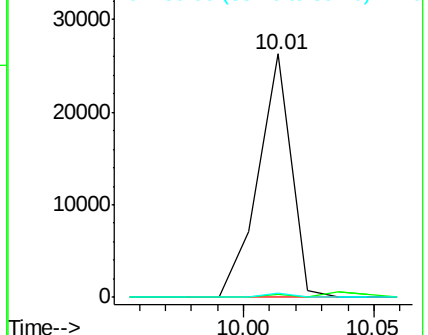
89 1.7 46.7 70.1#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56

2,4-Dinitrotoluene

Concen: 5.98 ng

RT: 10.01 min Scan# 676

Delta R.T. -0.19 min

Lab File: BF085250.D

Acq: 5 Mar 2016 13:15

Tgt Ion:165 Resp: 23376

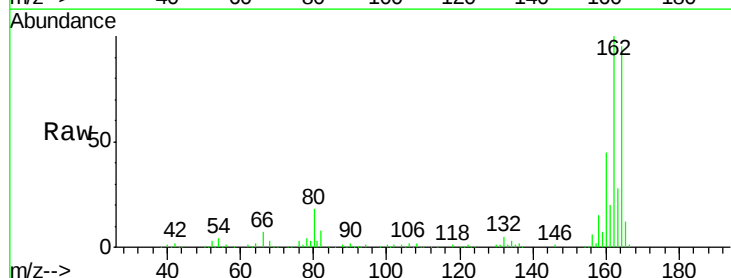
Ion Ratio Lower Upper

165 100

63 1.4 35.4 53.0#

89 1.7 61.9 92.9#

182 0.0 1.9 2.9#

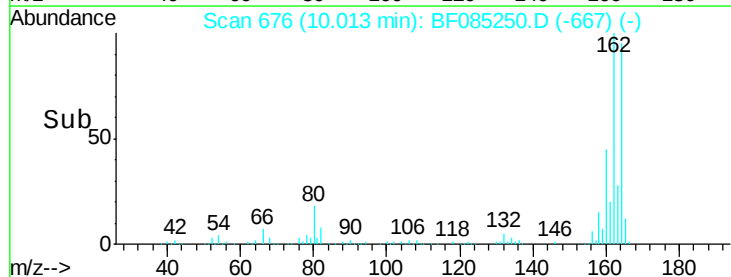
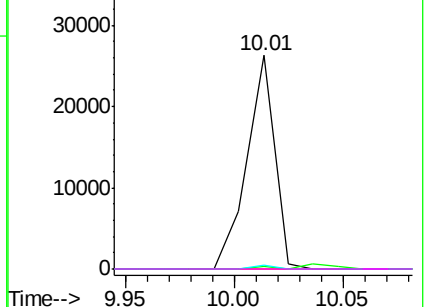


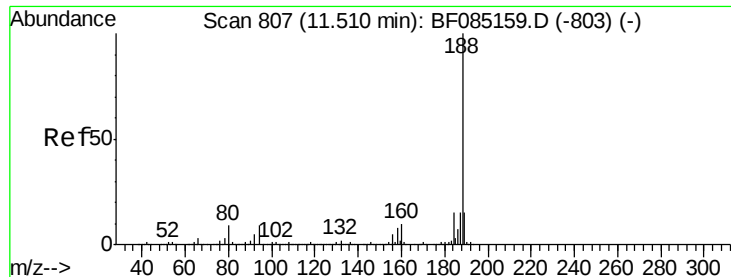
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF085250.D

Acq: 5 Mar 2016 13:15

Instrument :

BNA_F

ClientSampleId :

SP-001(0-2)DL

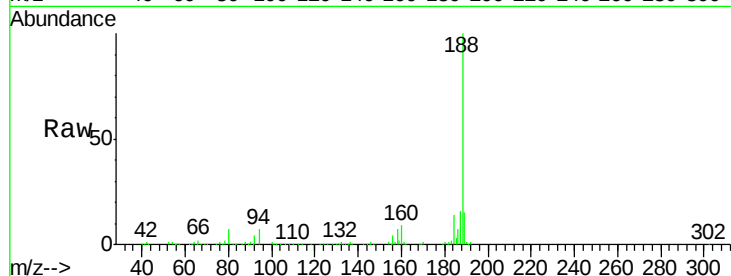
Tgt Ion:188 Resp: 298299

Ion Ratio Lower Upper

188 100

94 7.0 7.0 10.6

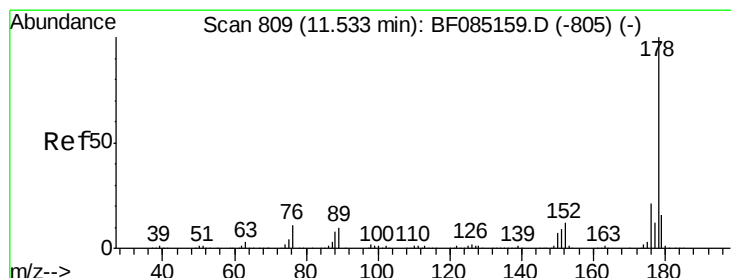
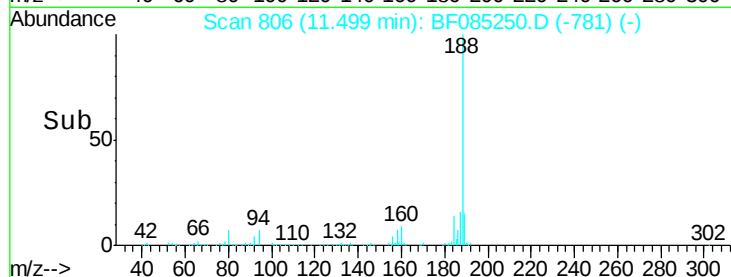
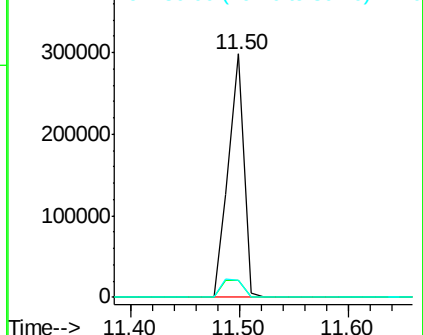
80 7.1 7.4 11.0#



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: 4.91 ng

RT: 11.52 min Scan# 808

Delta R.T. -0.01 min

Lab File: BF085250.D

Acq: 5 Mar 2016 13:15

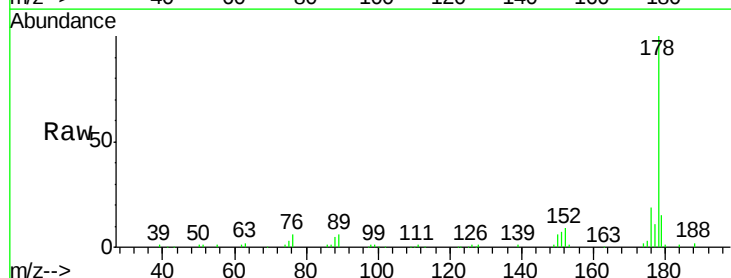
Tgt Ion:178 Resp: 76768

Ion Ratio Lower Upper

178 100

176 18.9 16.8 25.2

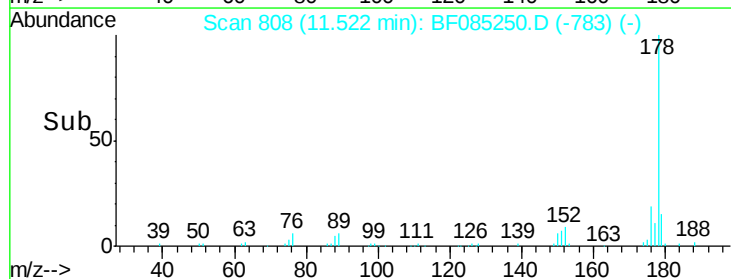
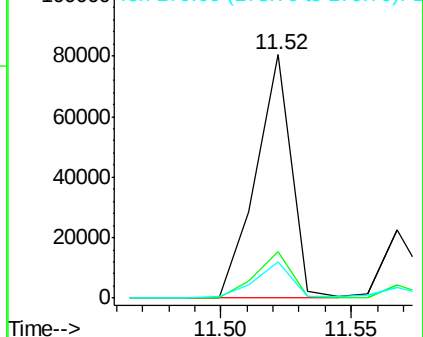
179 15.0 13.1 19.7

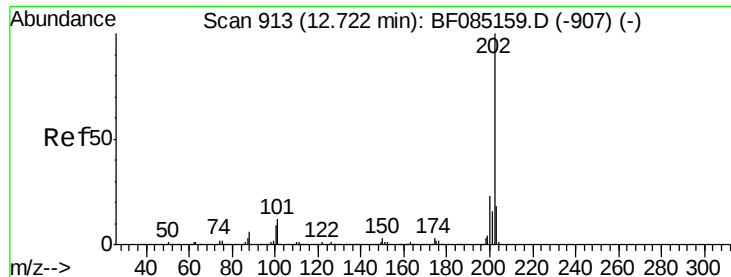


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 7.36 ng

RT: 12.71 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF085250.D

Acq: 5 Mar 2016 13:15

Instrument :

BNA_F

ClientSampleId :

SP-001(0-2)DL

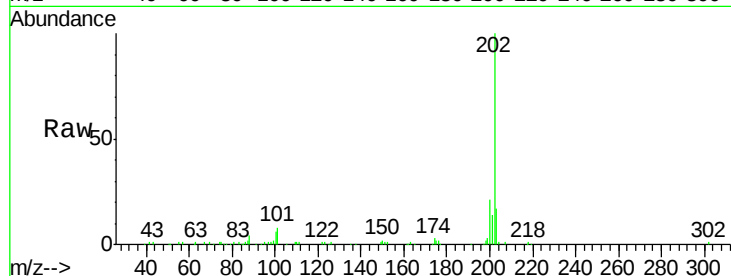
Tgt Ion:202 Resp: 115449

Ion Ratio Lower Upper

202 100

101 8.3 0.0 31.8

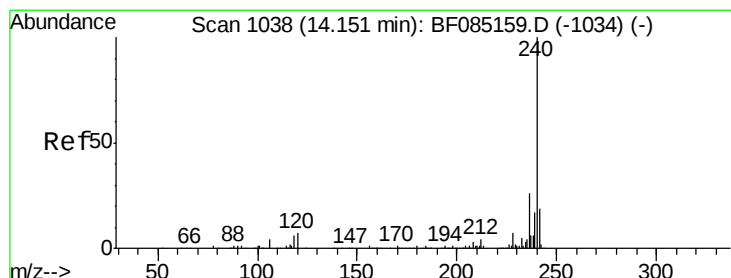
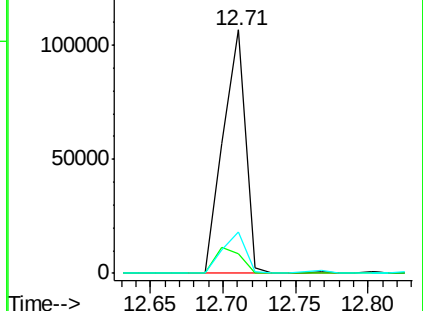
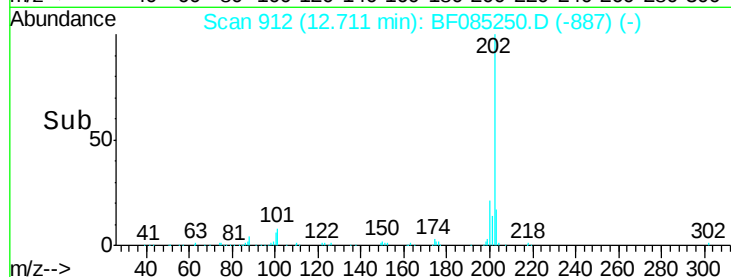
203 17.1 0.0 38.4



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: 14.13 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF085250.D

Acq: 5 Mar 2016 13:15

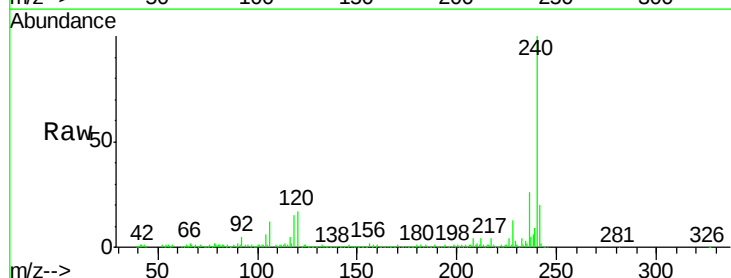
Tgt Ion:240 Resp: 216189

Ion Ratio Lower Upper

240 100

120 16.8 5.3 7.9#

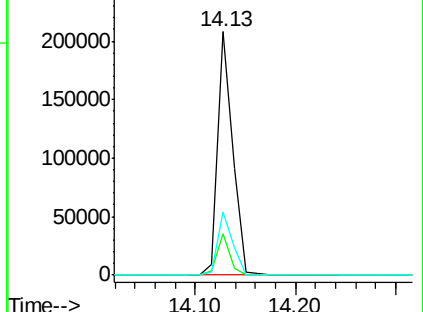
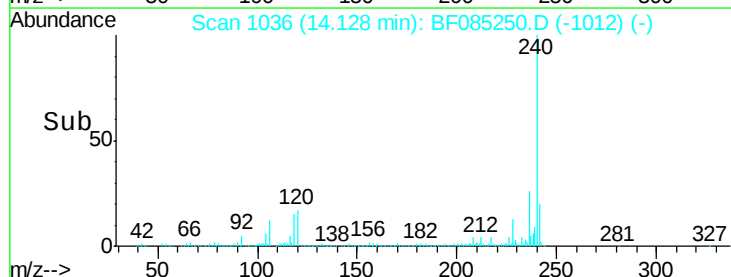
236 26.1 20.7 31.1

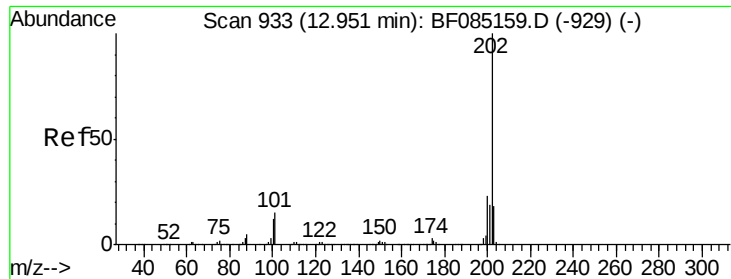


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

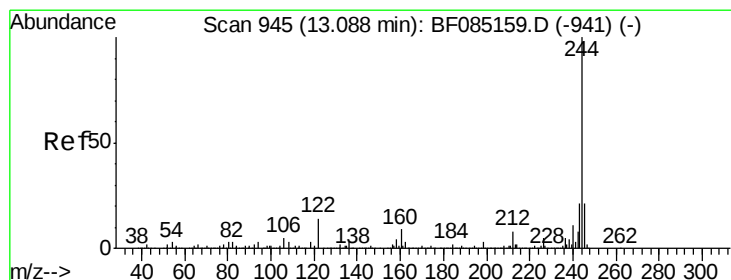
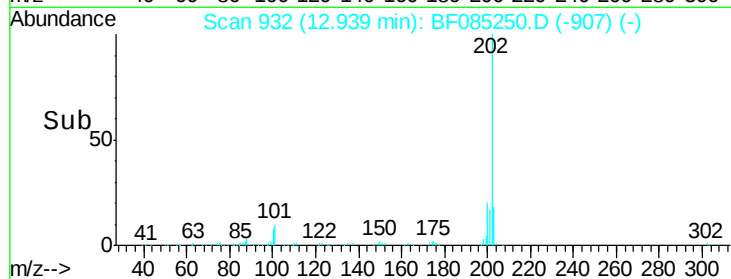
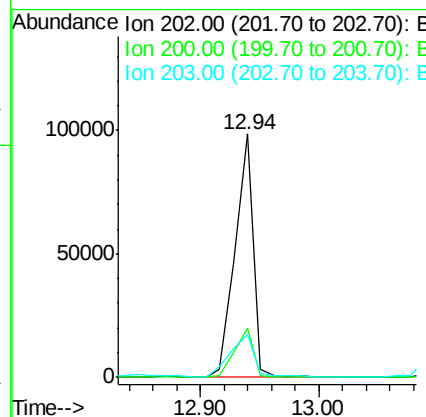
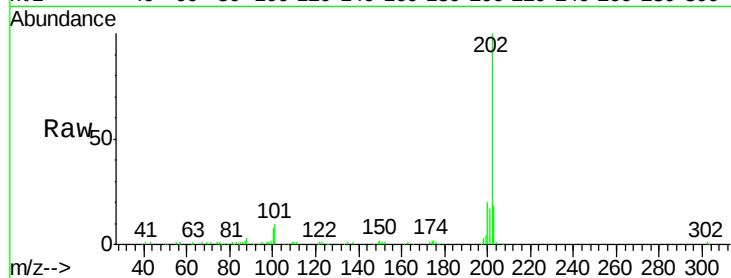




#77
 Pyrene
 Concen: 6.48 ng
 RT: 12.94 min Scan# 932
 Delta R.T. -0.01 min
 Lab File: BF085250.D
 Acq: 5 Mar 2016 13:15

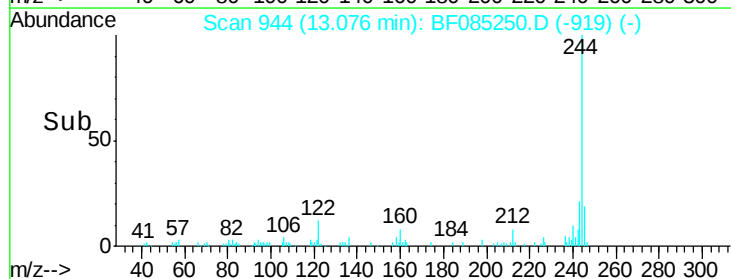
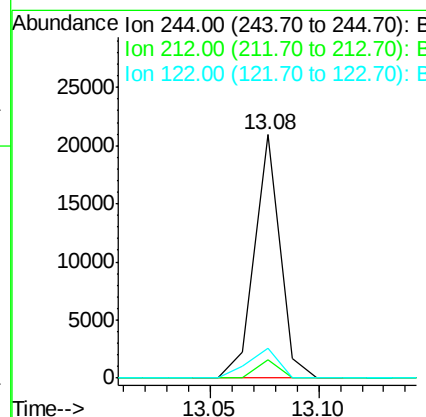
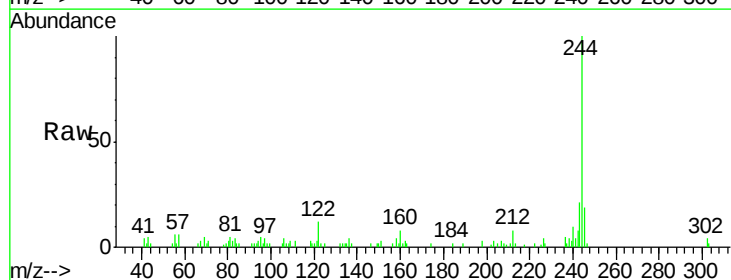
Instrument :
 BNA_F
 ClientSampleId :
 SP-001(0-2)DL

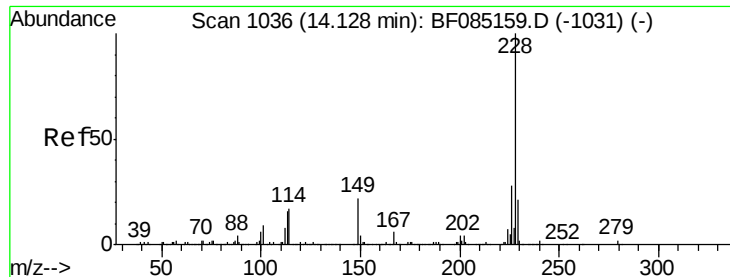
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	18.2	27.4
203	17.6	14.7	22.1



#78
 Terphenyl-d14
 Concen: 1.83 ng
 RT: 13.08 min Scan# 944
 Delta R.T. -0.01 min
 Lab File: BF085250.D
 Acq: 5 Mar 2016 13:15

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.4	9.6
122	12.5	11.4	17.2





#80

Benzo(a)anthracene

Concen: 4.64 ng

RT: 14.12 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF085250.D

Acq: 5 Mar 2016 13:15

Instrument :

BNA_F

ClientSampleId :

SP-001(0-2)DL

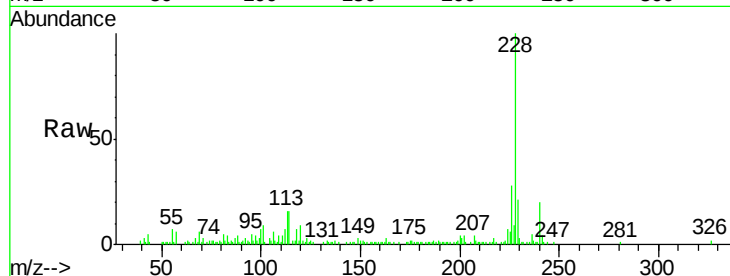
Tgt Ion:228 Resp: 60039

Ion Ratio Lower Upper

228 100

226 28.2 22.8 34.2

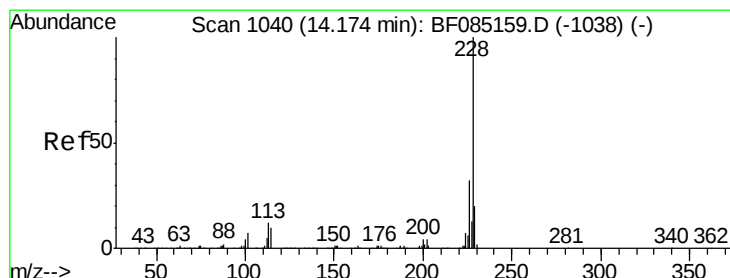
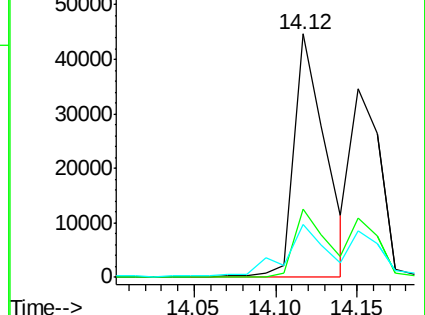
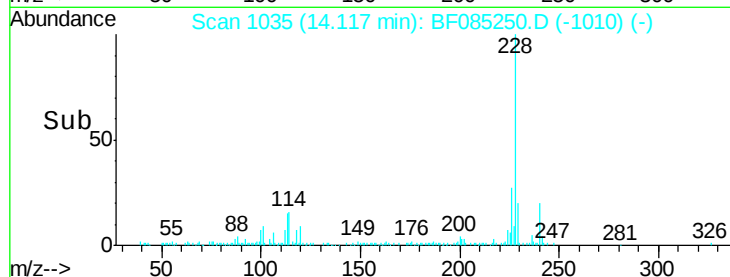
229 21.5 16.6 24.8



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: 5.02 ng

RT: 14.12 min Scan# 1035

Delta R.T. -0.06 min

Lab File: BF085250.D

Acq: 5 Mar 2016 13:15

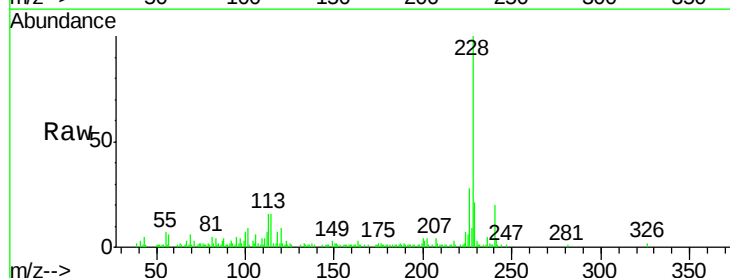
Tgt Ion:228 Resp: 60039

Ion Ratio Lower Upper

228 100

226 28.2 25.2 37.8

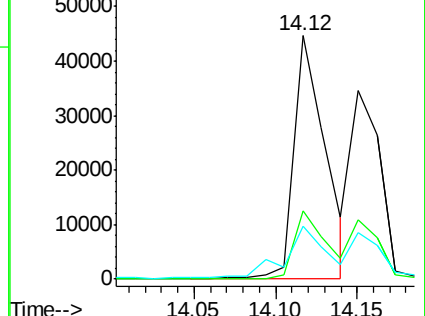
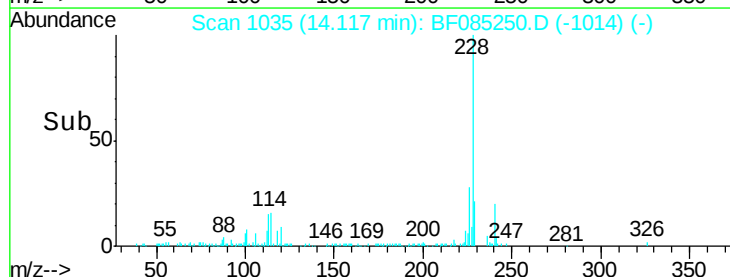
229 21.5 16.0 24.0

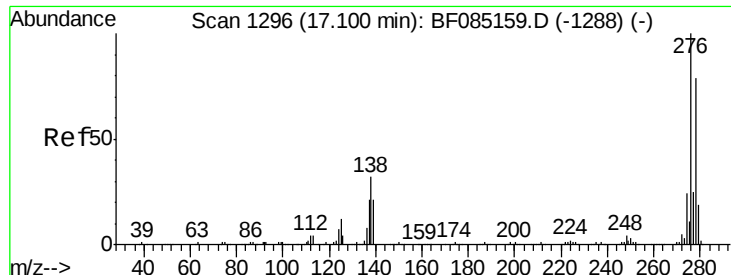


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

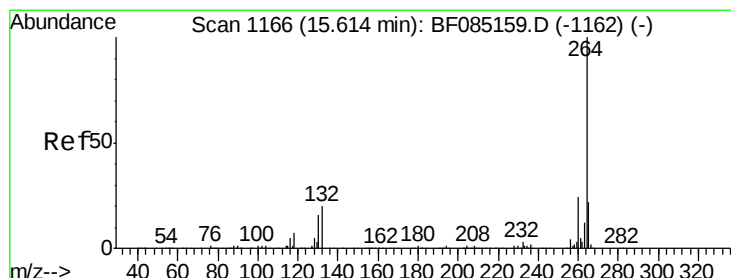
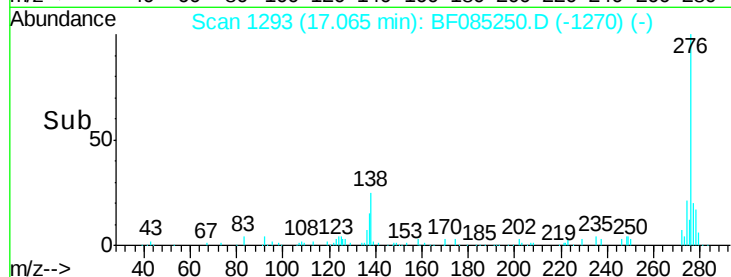
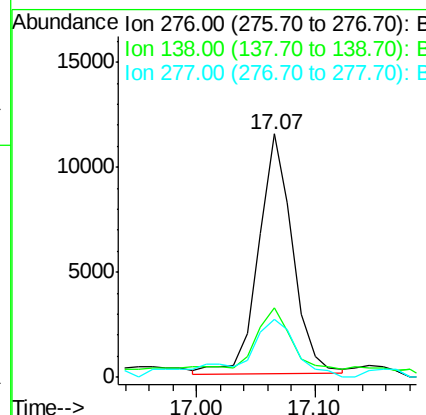
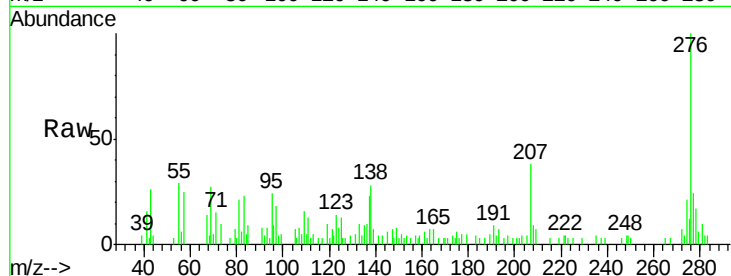




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.45 ng
 RT: 17.07 min Scan# 1293
 Delta R.T. -0.03 min
 Lab File: BF085250.D
 Acq: 5 Mar 2016 13:15

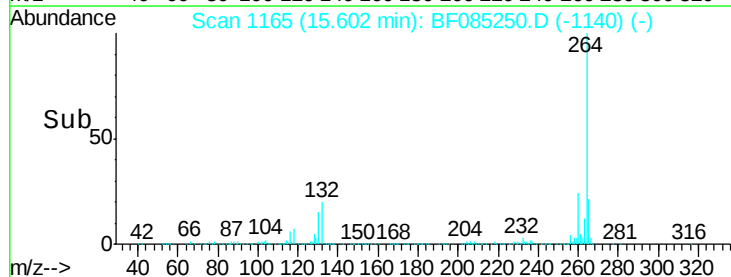
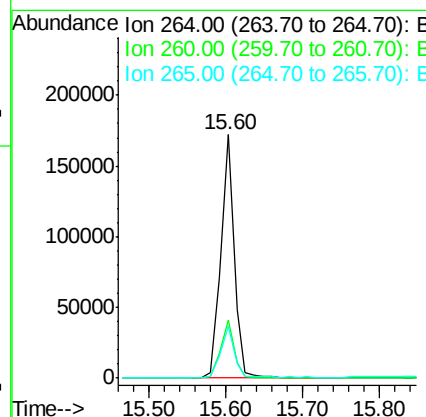
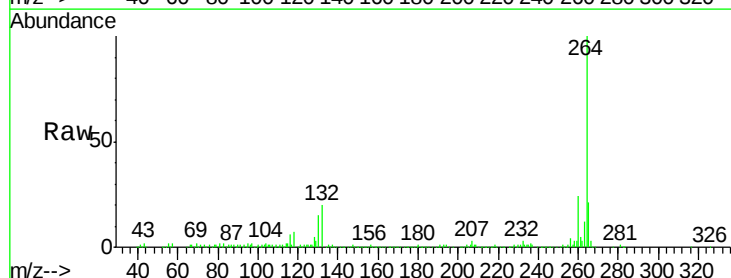
Instrument :
 BNA_F
 ClientSampleId :
 SP-001(0-2)DL

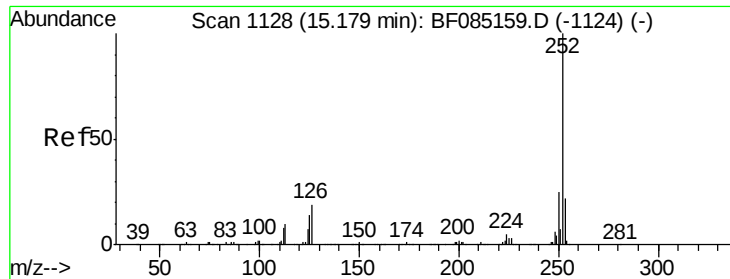
Tgt Ion: 276 Resp: 22847
 Ion Ratio Lower Upper
 276 100
 138 24.9 26.4 39.6#
 277 38.7 20.2 30.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.60 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: BF085250.D
 Acq: 5 Mar 2016 13:15

Tgt Ion: 264 Resp: 210396
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 21.4 17.3 25.9

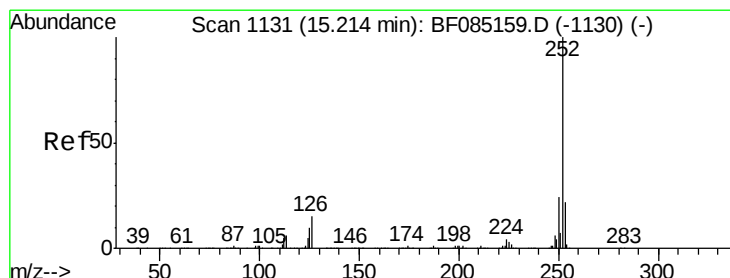
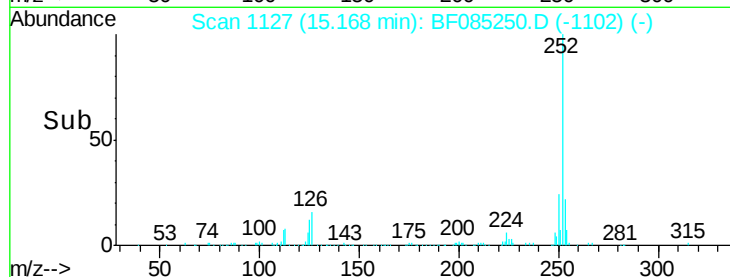
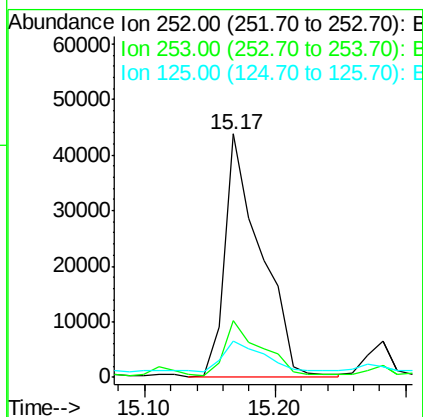
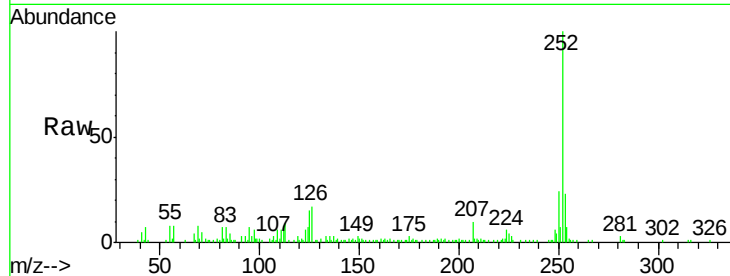




#87
Benzo(b)fluoranthene
Concen: 6.03 ng
RT: 15.17 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF085250.D
Acq: 5 Mar 2016 13:15

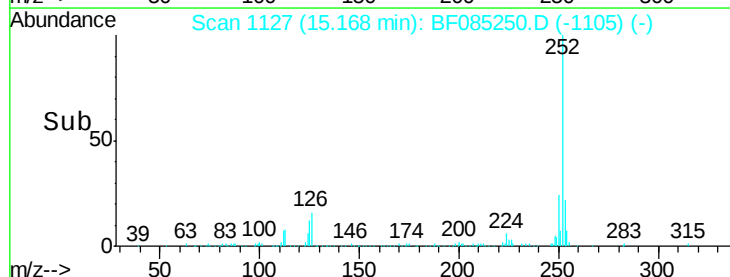
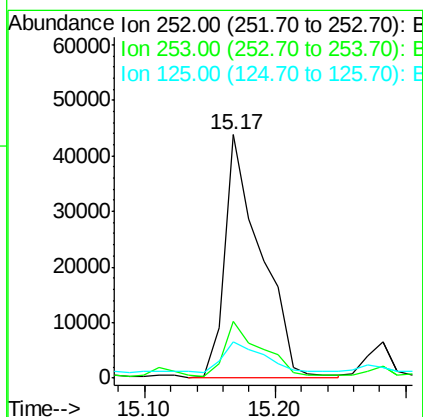
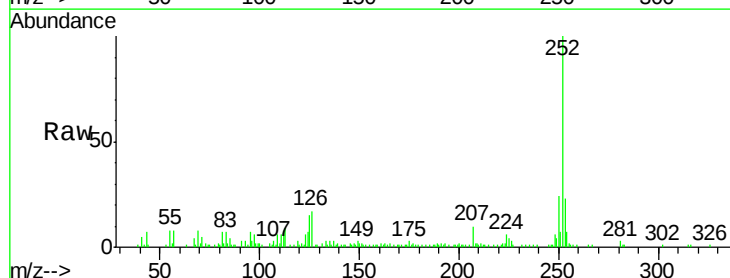
Instrument :
BNA_F
ClientSampleId :
SP-001(0-2)DL

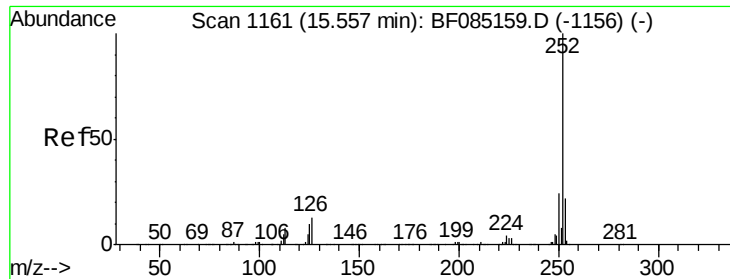
Tgt Ion:252 Resp: 84600
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 14.9 11.3 16.9



#88
Benzo(k)fluoranthene
Concen: 7.48 ng
RT: 15.17 min Scan# 1127
Delta R.T. -0.05 min
Lab File: BF085250.D
Acq: 5 Mar 2016 13:15

Tgt Ion:252 Resp: 84600
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 14.9 10.4 15.6





#89

Benzo(a)pyrene

Concen: 3.55 ng

RT: 15.53 min Scan# 1159

Delta R.T. -0.02 min

Lab File: BF085250.D

Acq: 5 Mar 2016 13:15

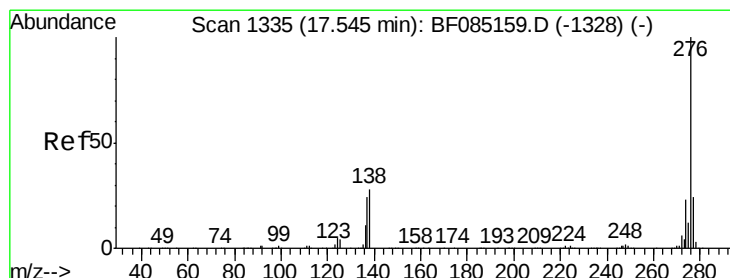
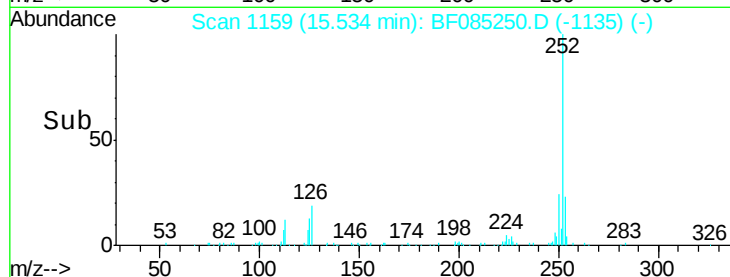
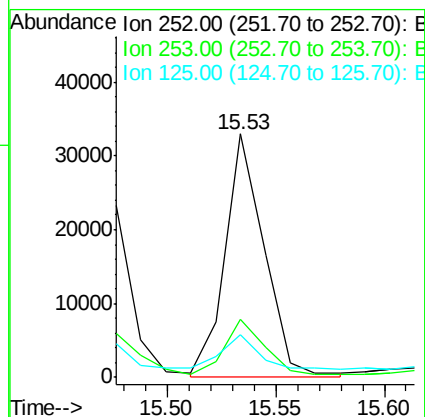
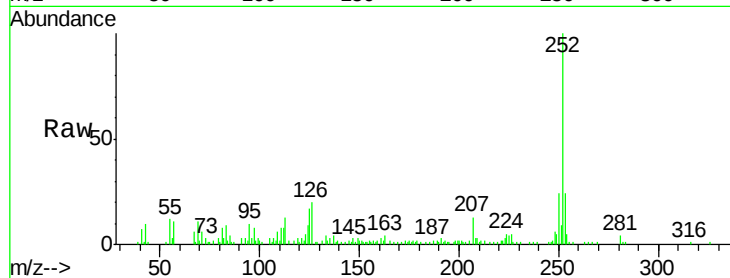
Instrument :

BNA_F

ClientSampleId :

SP-001(0-2)DL

Tgt Ion:	252	Resp:	41197
Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.4	26.0
125	17.5	8.2	12.4#



#91

Benzo(g,h,i)perylene

Concen: 2.15 ng

RT: 17.51 min Scan# 1332

Delta R.T. -0.03 min

Lab File: BF085250.D

Acq: 5 Mar 2016 13:15

Tgt Ion:	276	Resp:	21409
Ion	Ratio	Lower	Upper
276	100		
277	27.0	19.0	28.4
138	31.4	22.5	33.7

