

Data Path : Z:\HPCHEM1\BNA F\Data\BF032116\
 Data File : BF085656.D
 Acq On : 22 Mar 2016 9:25
 Operator : UM/SJ
 Sample : H1815-02DL 10X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 22 11:40:49 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 23:31:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	43926	20.00	ng	0.14
21) Naphthalene-d8	8.13	136	540953	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	214062	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	333597	20.00	ng	-0.02
75) Chrysene-d12	13.99	240	254210	20.00	ng	-0.02
86) Perylene-d12	15.42	264	272043	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	84425	32.28	ng	-0.02
7) Phenol-d6	6.47	99	106363	31.71	ng	-0.02
23) Nitrobenzene-d5	7.41	82	62955	6.76	ng	-0.02
41) 2,4,6-Tribromophenol	10.66	330	14203	6.77	ng	-0.02
44) 2-Fluorobiphenyl	9.20	172	107391	5.69	ng	-0.02
78) Terphenyl-d14	12.94	244	50070	4.74	ng	-0.02

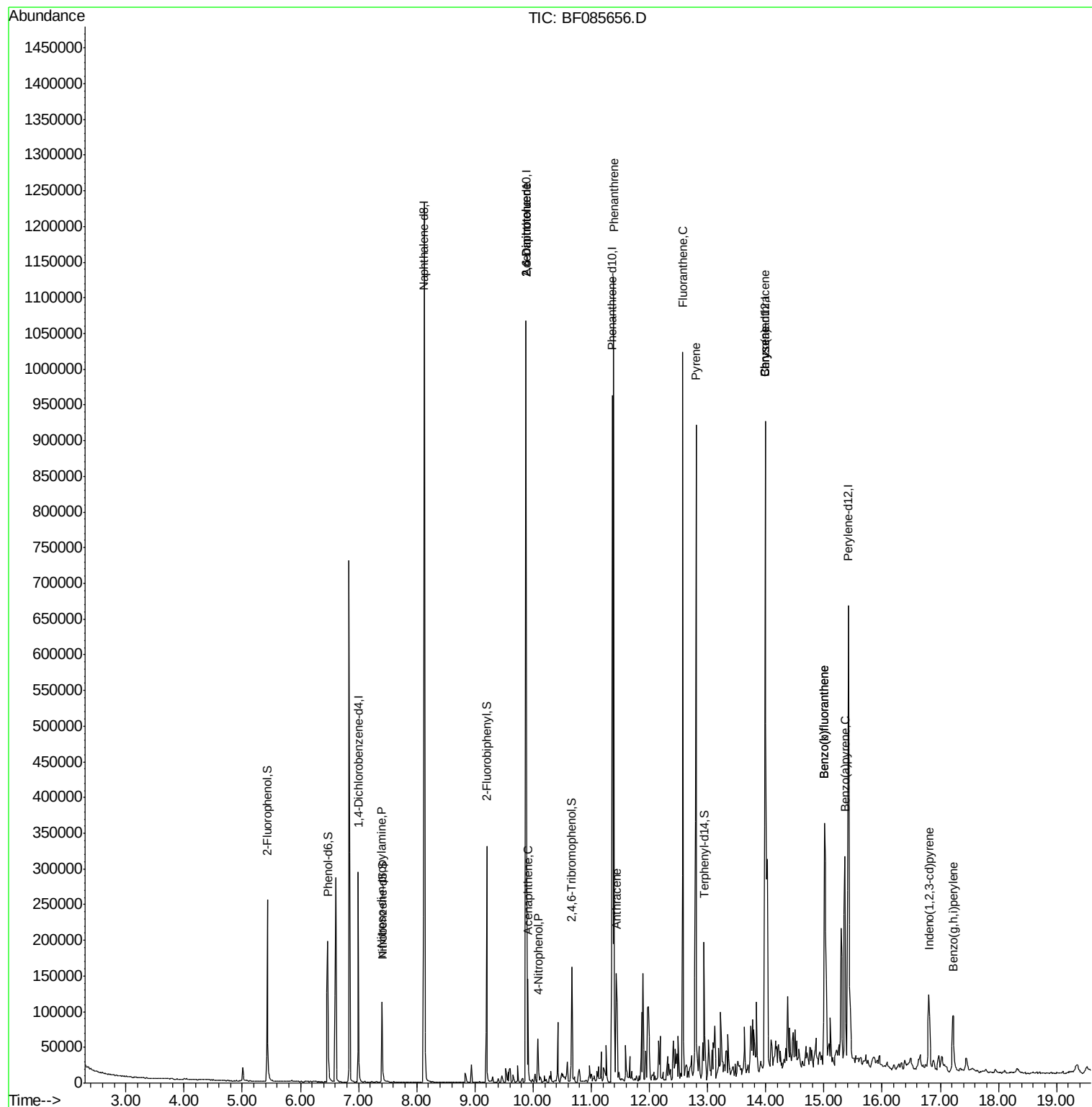
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.61	77	1983	Below Cal	#	79
19) n-Nitroso-di-n-propylamine	7.40	70	7992	3.99	ng	80
50) 2,6-Dinitrotoluene	9.88	165	26845	7.87	ng	19
51) Acenaphthene	9.91	154	29665	2.17	ng	99
55) 4-Nitrophenol	10.08	139	8676	2.63	ng	10
56) 2,4-Dinitrotoluene	9.88	165	26845	6.01	ng	37
70) Phenanthrene	11.38	178	387127	22.01	ng	99
71) Anthracene	11.43	178	84062	4.56	ng	98
74) Fluoranthene	12.57	202	404638	21.97	ng	93
77) Pyrene	12.80	202	385930	21.14	ng	99
80) Benzo(a)anthracene	13.99	228	177345	12.02	ng	97
82) Chrysene	13.99	228	177345	12.49	ng	98
85) Indeno(1,2,3-cd)pyrene	16.80	276	75009	6.32	ng	93
87) Benzo(b)fluoranthene	15.01	252	251253	14.15	ng	99
88) Benzo(k)fluoranthene	15.01	252	251253	17.18	ng	# 96
89) Benzo(a)pyrene	15.36	252	144842	9.62	ng	96
91) Benzo(a,h,i)perylene	17.23	276	69181	5.69	ng	95

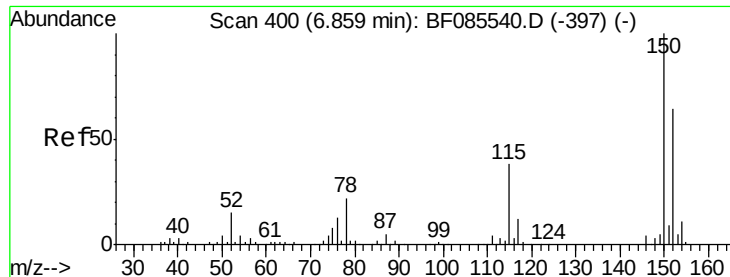
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\Data\BF032116\
Data File : BF085656.D
Acq On : 22 Mar 2016 9:25
Operator : UM/SJ
Sample : H1815-02DL 10X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Mar 22 11:40:49 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 18 23:31:39 2016
Response via : Initial Calibration



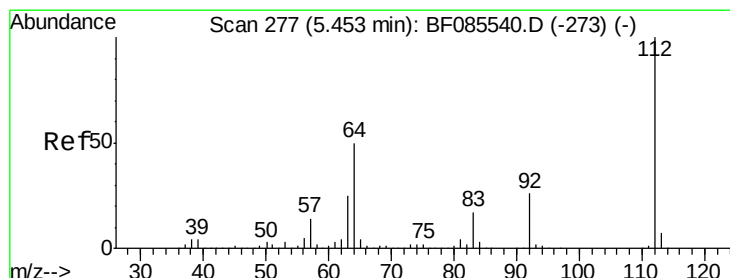
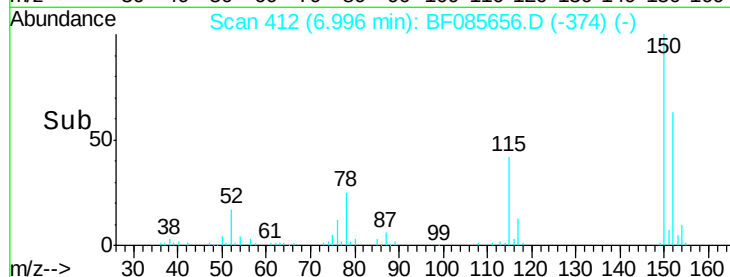
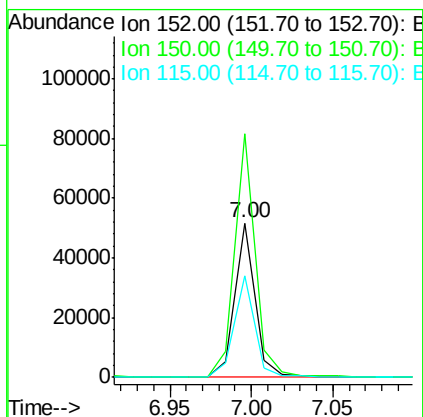
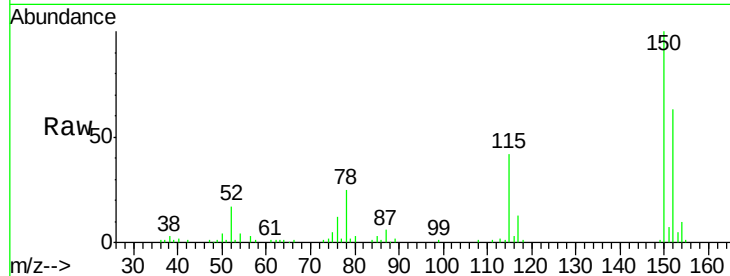


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.00 min Scan# 412
 Delta R.T. 0.14 min
 Lab File: BF085656.D
 Acq: 22 Mar 2016 9:25

Instrument :
 BNA_F
 ClientSampleId :

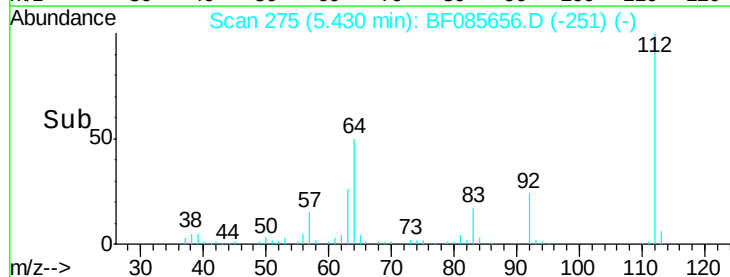
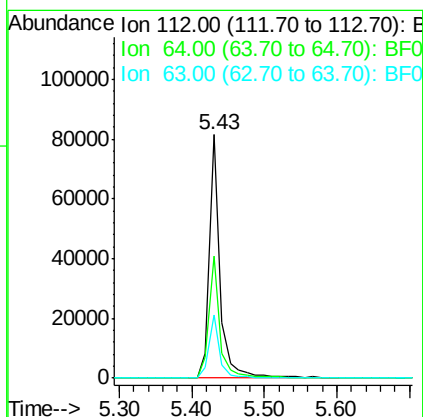
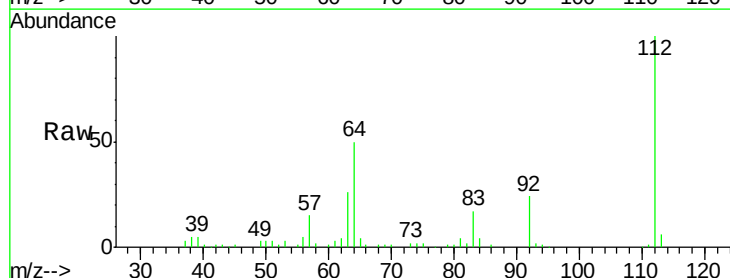
Tot Ion:152 Resp: 43926
 Ion Ratio Lower Upper
 152 100
 150 157.7 124.2 186.2
 115 65.8 47.0 70.6

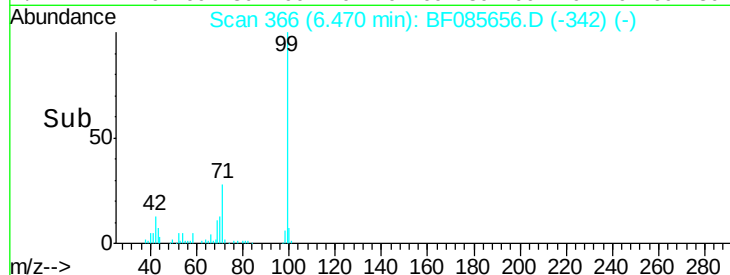
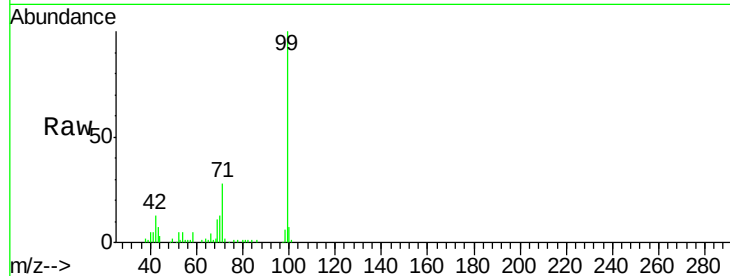
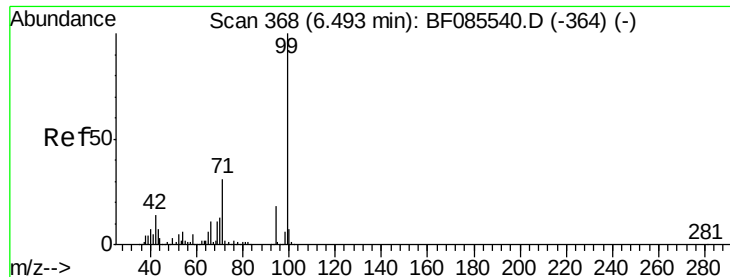


#5

2-Fluorophenol
 Concen: 32.28 ng
 RT: 5.43 min Scan# 275
 Delta R.T. -0.02 min
 Lab File: BF085656.D
 Acq: 22 Mar 2016 9:25

Tgt Ion:112 Resp: 84425
 Ion Ratio Lower Upper
 112 100
 64 50.2 39.9 59.9
 63 25.8 20.2 30.2





#7

Phenol-d6

Concen: 31.71 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.02 min

Lab File: BF085656.D

Acq: 22 Mar 2016 9:25

Instrument :

BNA_F

ClientSampleId :

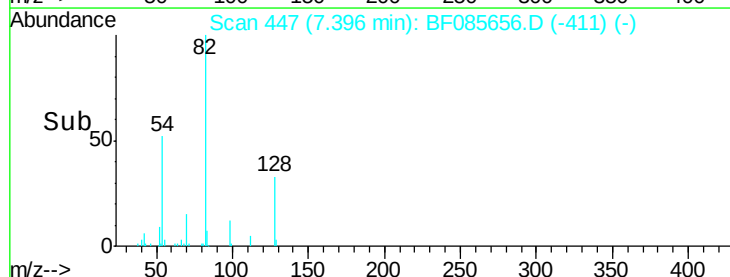
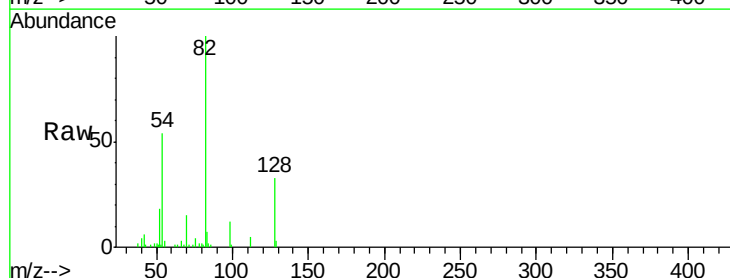
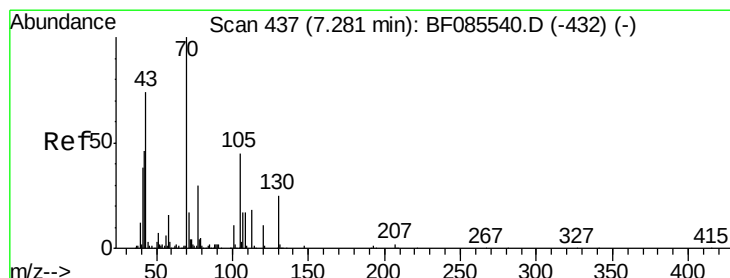
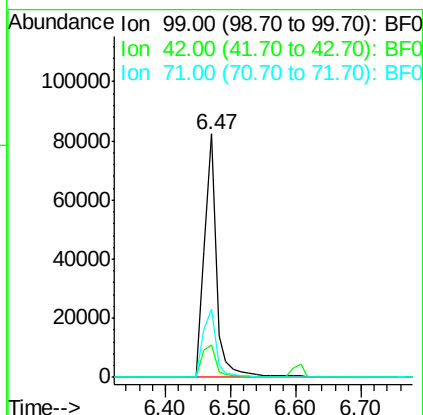
Tot Ion: 99 Resp: 106363

Ion Ratio Lower Upper

99 100

42 13.3 11.1 16.7

71 28.0 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 3.99 ng

RT: 7.40 min Scan# 447

Delta R.T. 0.11 min

Lab File: BF085656.D

Acq: 22 Mar 2016 9:25

Tgt Ion: 70 Resp: 7992

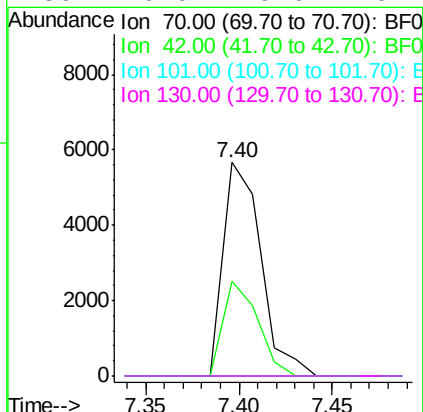
Ion Ratio Lower Upper

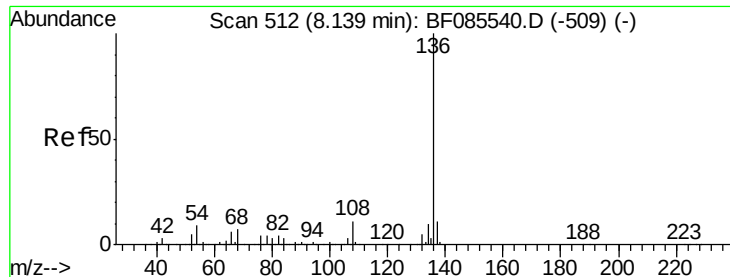
70 100

42 44.7 37.1 55.7

101 0.0 8.6 12.8#

130 0.0 19.6 29.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 511

Delta R.T. -0.01 min

Lab File: BF085656.D

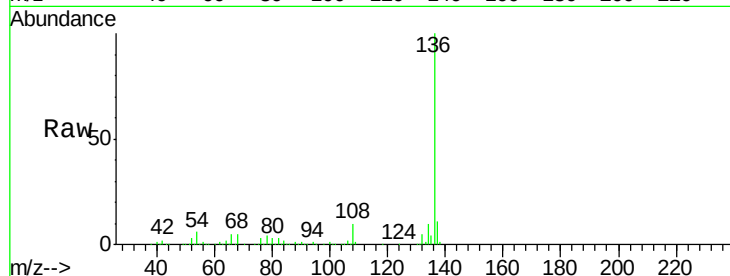
Acq: 22 Mar 2016 9:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	540953
Ion Ratio	Lower	Upper
136	100	
137	11.0	9.1 13.7
54	6.3	7.4 11.0#
68	5.4	5.8 8.8#

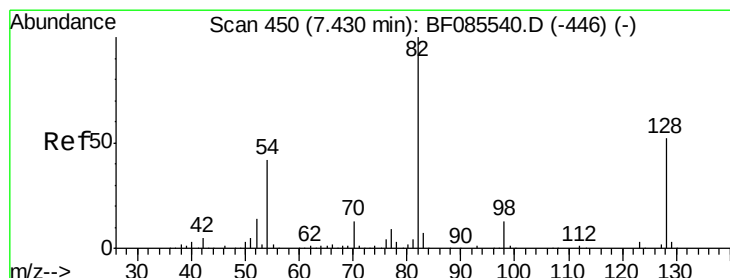
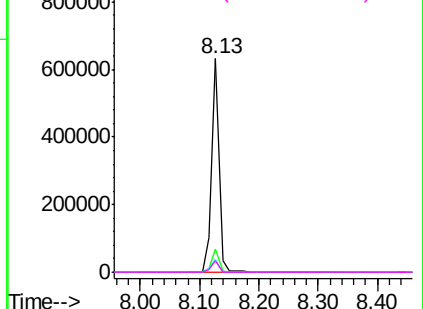
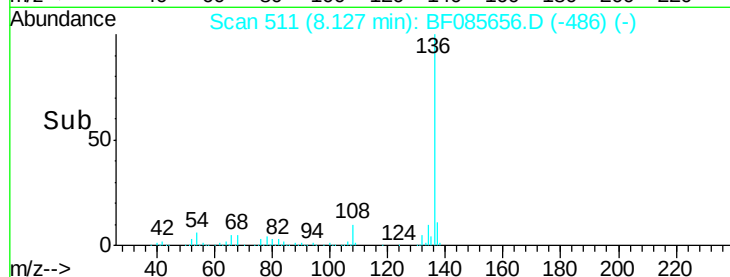


Abundance Ion 136.00 (135.70 to 136.70): E

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: 6.76 ng

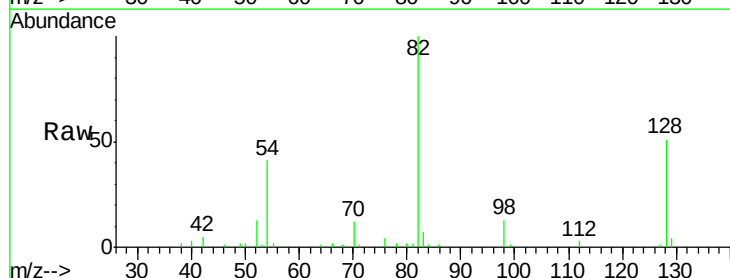
RT: 7.41 min Scan# 448

Delta R.T. -0.02 min

Lab File: BF085656.D

Acq: 22 Mar 2016 9:25

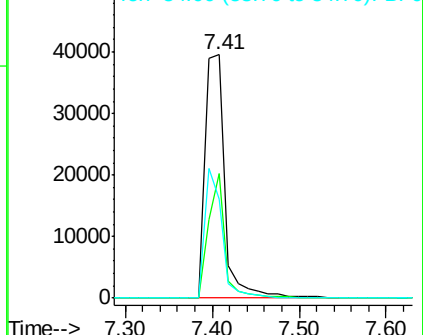
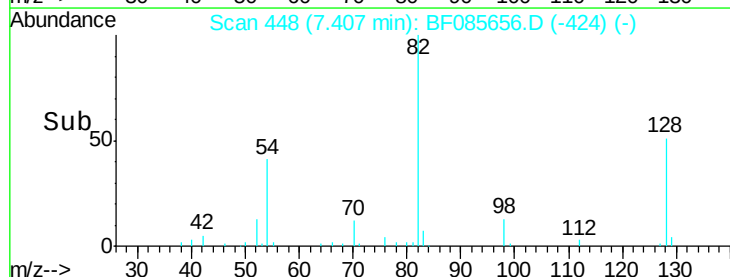
Tgt Ion: 82	Resp:	62955
Ion Ratio	Lower	Upper
82	100	
128	51.0	41.8 62.8
54	40.5	33.4 50.0

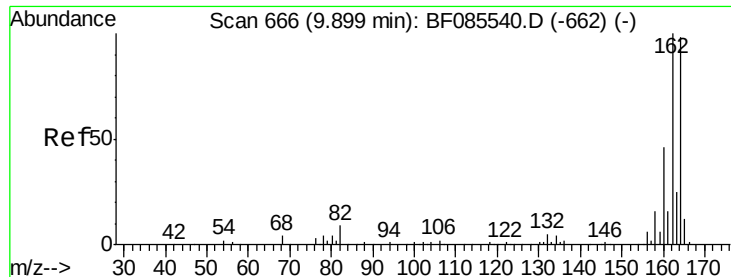


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

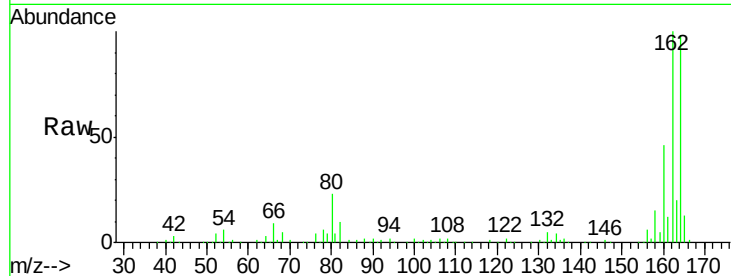




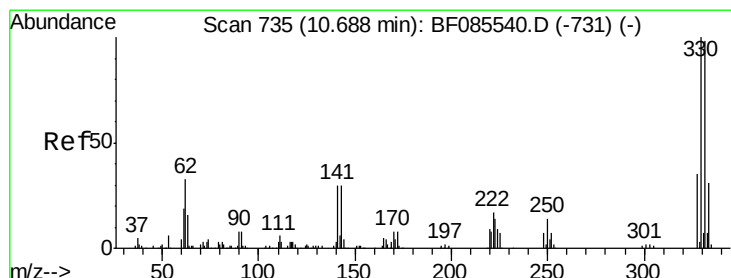
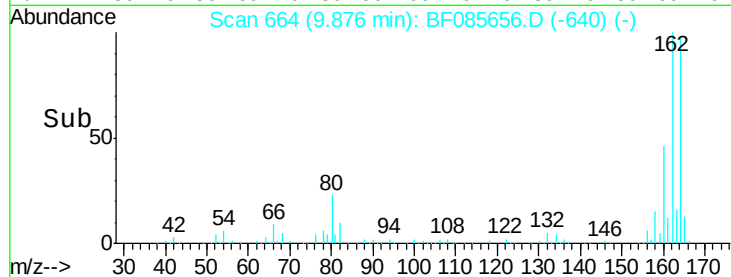
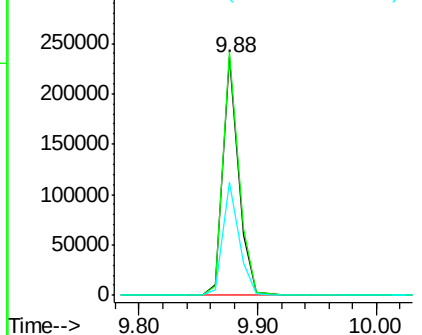
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 664
Delta R.T. -0.02 min
Lab File: BF085656.D
Acq: 22 Mar 2016 9:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 214062
Ion Ratio Lower Upper
164 100
162 102.3 82.1 123.1
160 47.4 37.4 56.2

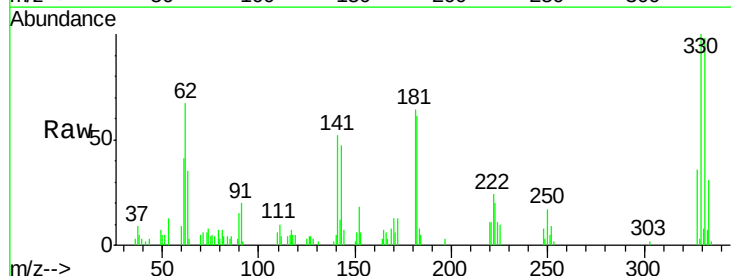


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

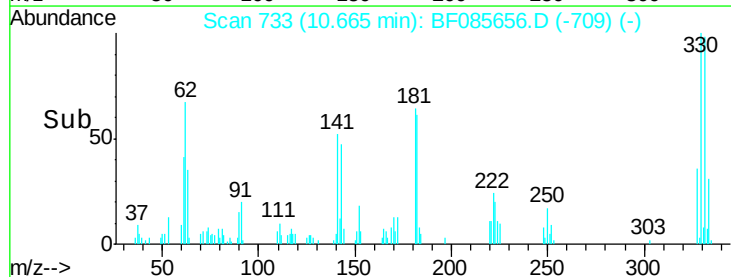
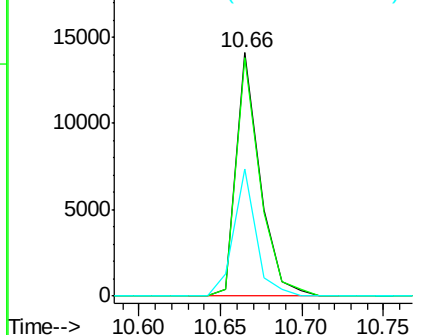


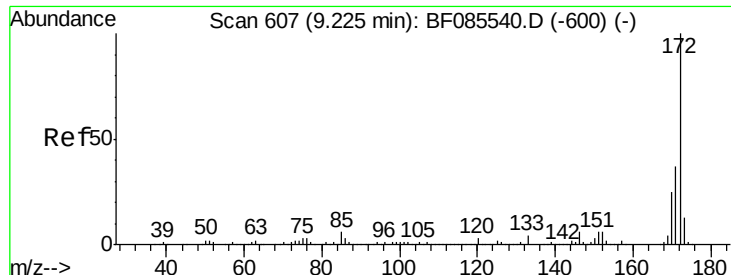
#41
2,4,6-Tribromophenol
Concen: 6.77 ng
RT: 10.66 min Scan# 733
Delta R.T. -0.02 min
Lab File: BF085656.D
Acq: 22 Mar 2016 9:25

Tgt Ion:330 Resp: 14203
Ion Ratio Lower Upper
330 100
332 98.2 78.2 117.2
141 49.0 31.5 47.3#



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

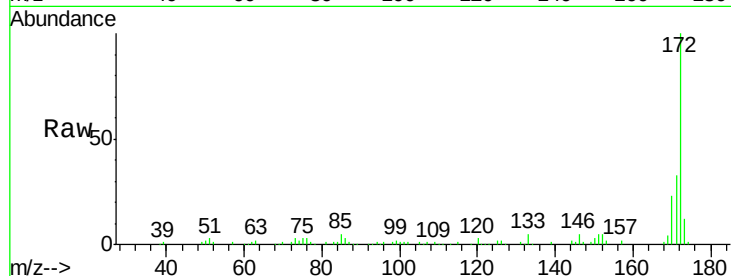




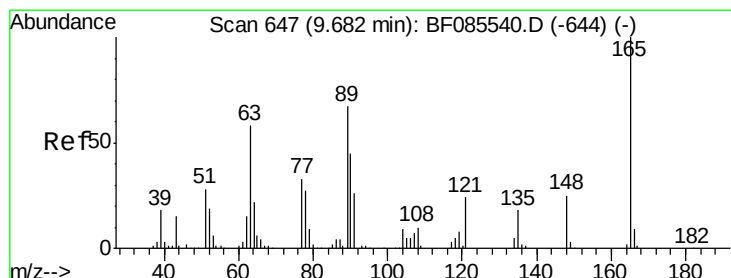
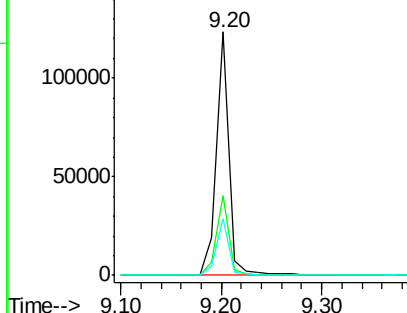
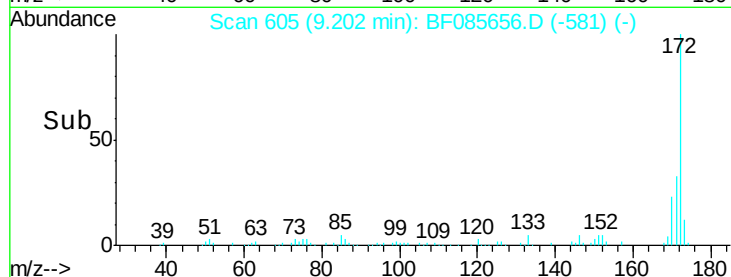
#44
2-Fluorobiphenyl
Concen: 5.69 ng
RT: 9.20 min Scan# 605
Delta R.T. -0.02 min
Lab File: BF085656.D
Acq: 22 Mar 2016 9:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 107391
Ion Ratio Lower Upper
172 100
171 32.9 29.4 44.2
170 23.2 19.8 29.6

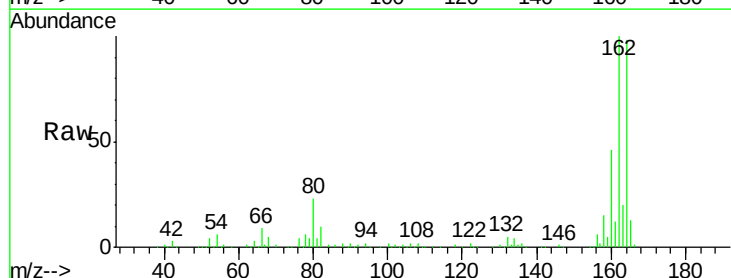


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

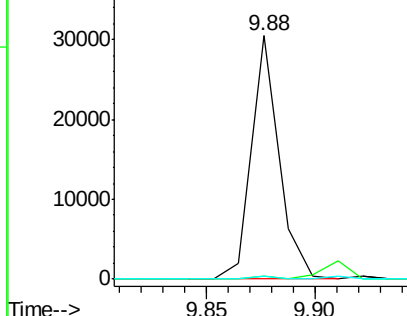
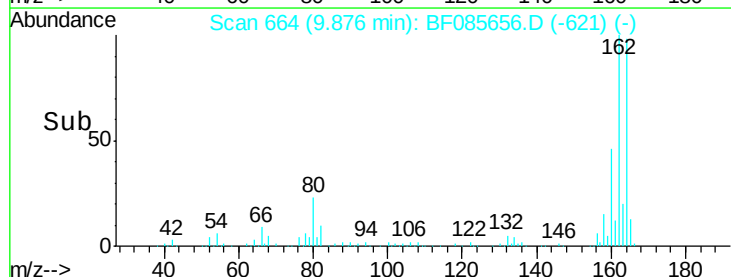


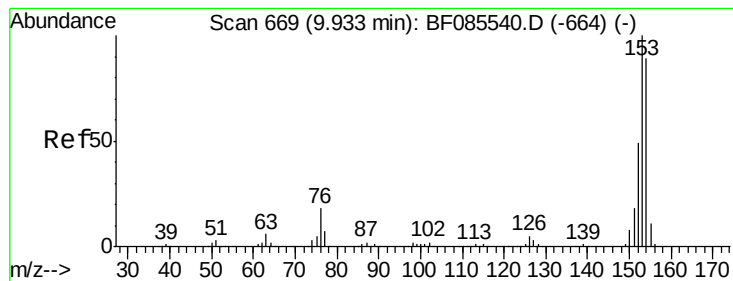
#50
2,6-Dinitrotoluene
Concen: 7.87 ng
RT: 9.88 min Scan# 664
Delta R.T. 0.19 min
Lab File: BF085656.D
Acq: 22 Mar 2016 9:25

Tgt Ion:165 Resp: 26845
Ion Ratio Lower Upper
165 100
63 1.4 51.8 77.8#
89 1.4 53.7 80.5#



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





#51

Acenaphthene

Concen: 2.17 ng

RT: 9.91 min Scan# 667

Delta R.T. -0.02 min

Lab File: BF085656.D

Acq: 22 Mar 2016 9:25

Instrument :

BNA_F

ClientSampleId :

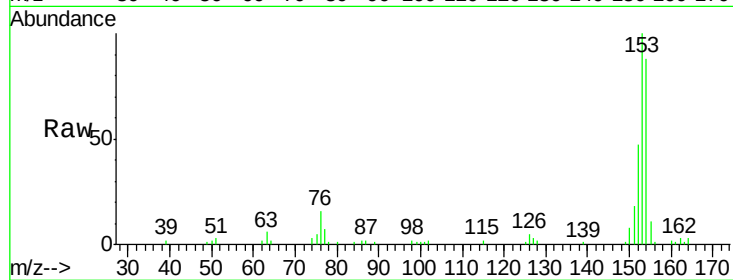
Tot Ion:154 Resp: 29665

Ion Ratio Lower Upper

154 100

153 113.7 90.1 135.1

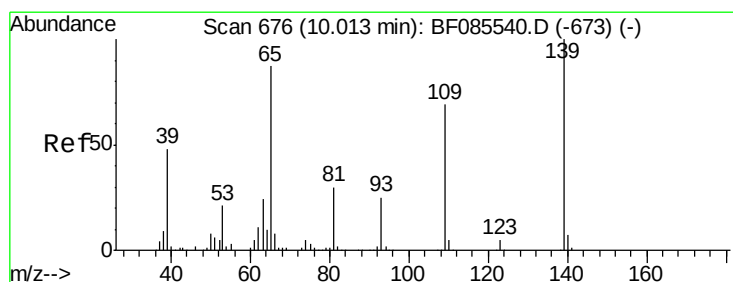
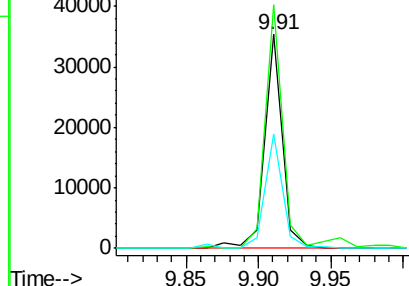
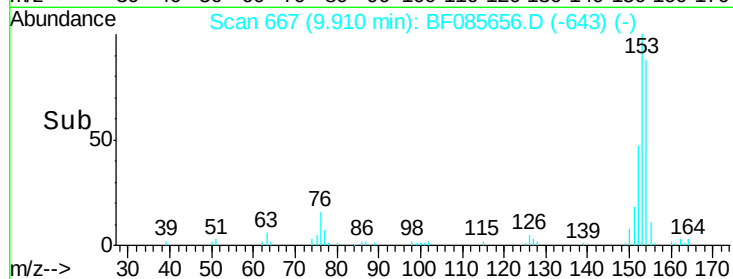
152 53.6 44.2 66.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

4-Nitrophenol

Concen: 2.63 ng

RT: 10.08 min Scan# 682

Delta R.T. 0.07 min

Lab File: BF085656.D

Acq: 22 Mar 2016 9:25

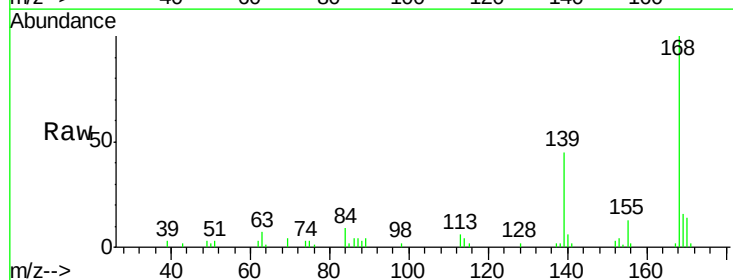
Tgt Ion:139 Resp: 8676

Ion Ratio Lower Upper

139 100

109 0.0 49.2 89.2#

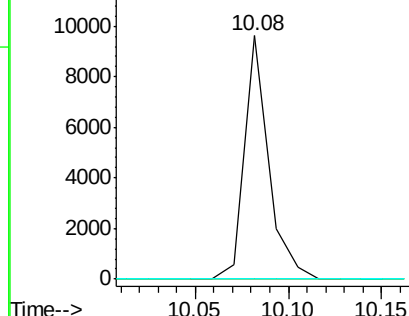
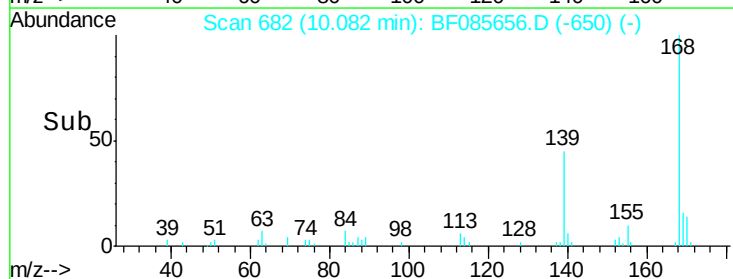
65 0.0 66.9 106.9#

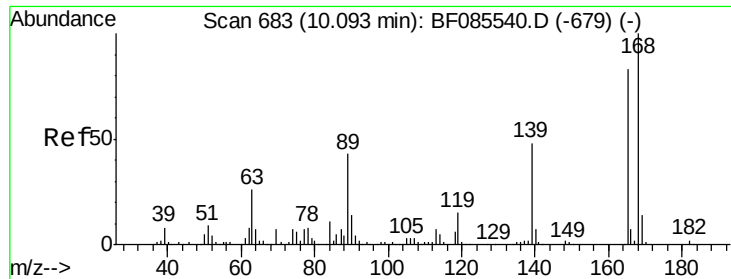


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

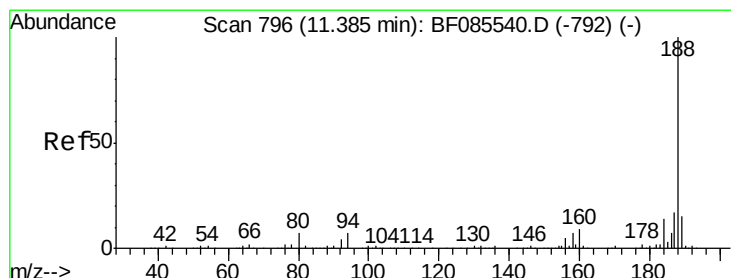
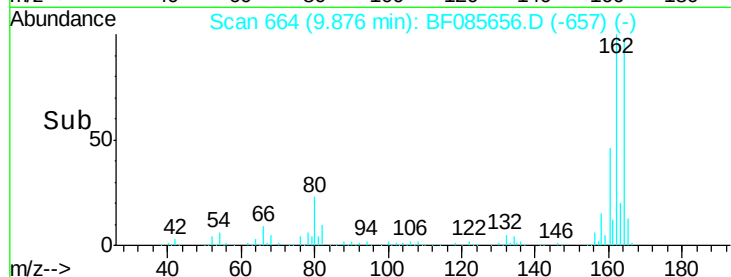
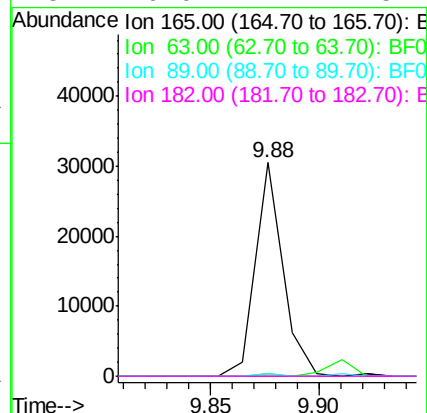
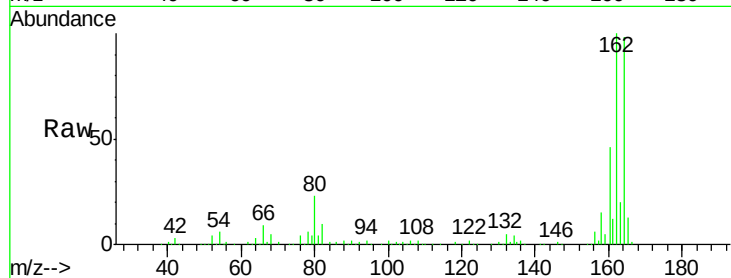




#56
 2,4-Dinitrotoluene
 Concen: 6.01 ng
 RT: 9.88 min Scan# 664
 Delta R.T. -0.22 min
 Lab File: BF085656.D
 Acq: 22 Mar 2016 9:25

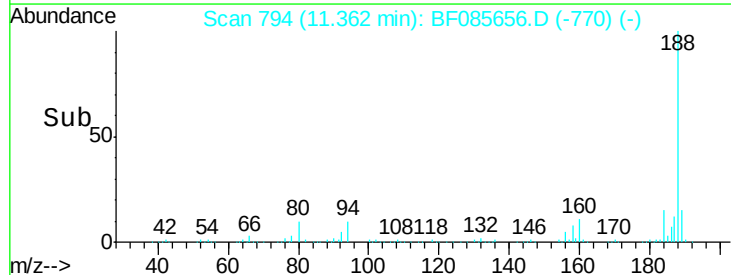
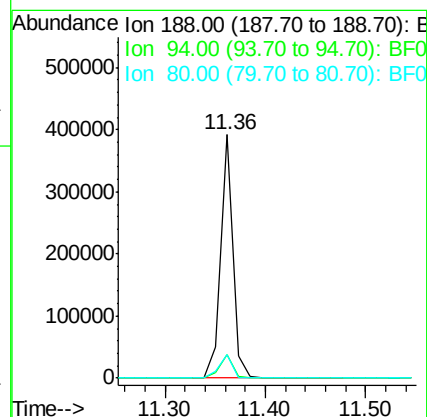
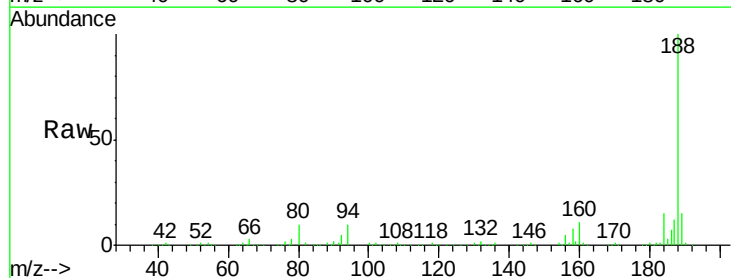
Instrument :
 BNA_F
 ClientSampleId :

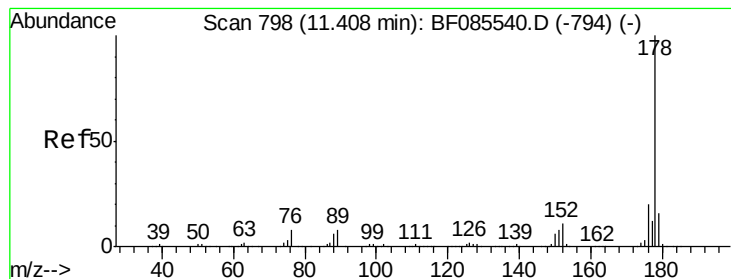
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	24.9	37.3#
89	1.4	41.0	61.6#
182	0.0	2.1	3.1#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 794
 Delta R.T. -0.02 min
 Lab File: BF085656.D
 Acq: 22 Mar 2016 9:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	5.4	8.0#
80	9.8	5.5	8.3#





#70

Phenanthrene

Concen: 22.01 ng

RT: 11.38 min Scan# 796

Delta R.T. -0.02 min

Lab File: BF085656.D

Acq: 22 Mar 2016 9:25

Instrument :

BNA_F

ClientSampleId :

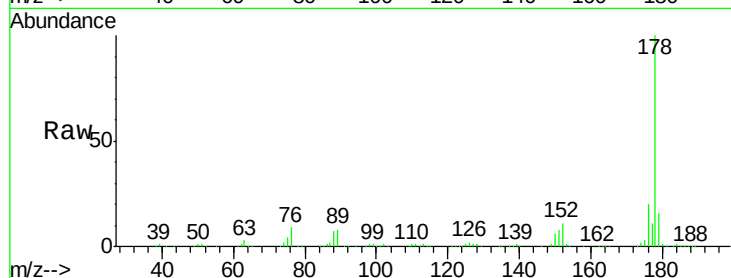
Tot Ion:178 Resp: 387127

Ion Ratio Lower Upper

178 100

176 20.1 16.3 24.5

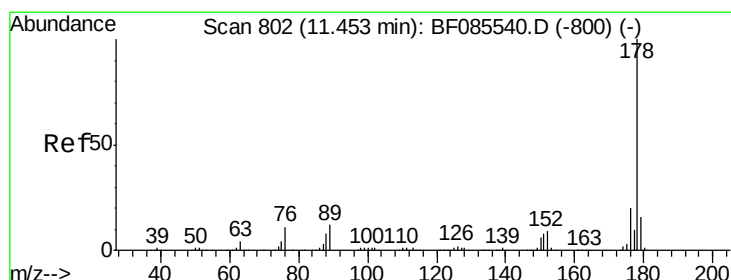
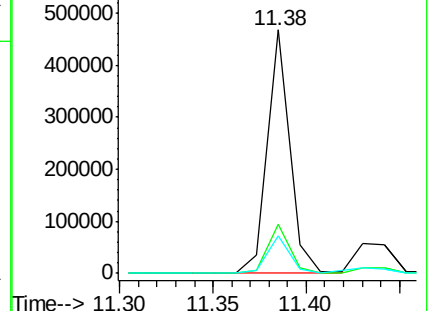
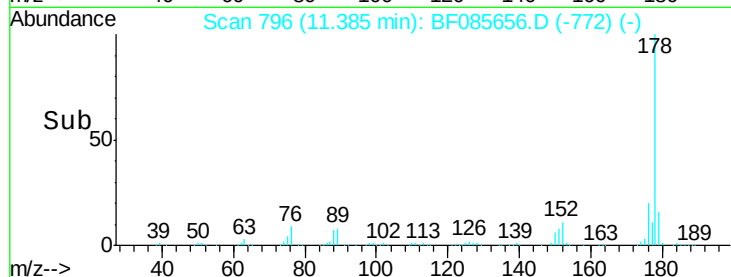
179 15.6 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 4.56 ng

RT: 11.43 min Scan# 800

Delta R.T. -0.02 min

Lab File: BF085656.D

Acq: 22 Mar 2016 9:25

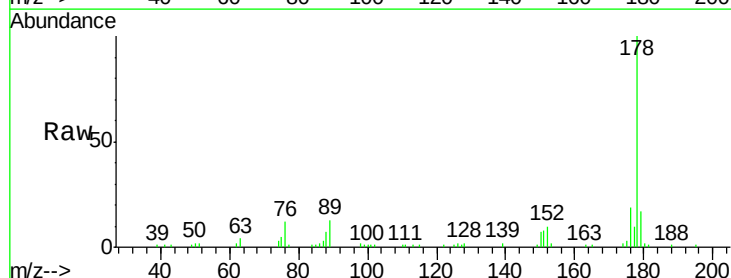
Tgt Ion:178 Resp: 84062

Ion Ratio Lower Upper

178 100

176 18.8 15.9 23.9

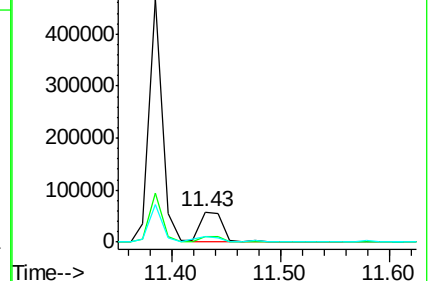
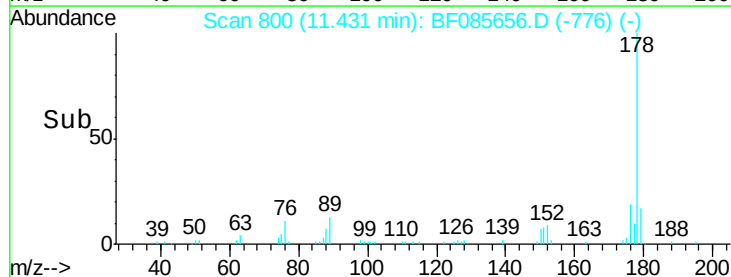
179 17.0 13.0 19.4

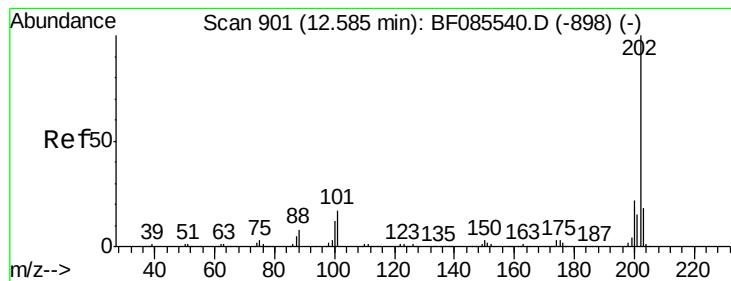


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 21.97 ng

RT: 12.57 min Scan# 900

Delta R.T. -0.01 min

Lab File: BF085656.D

Acq: 22 Mar 2016 9:25

Instrument :

BNA_F

ClientSampleId :

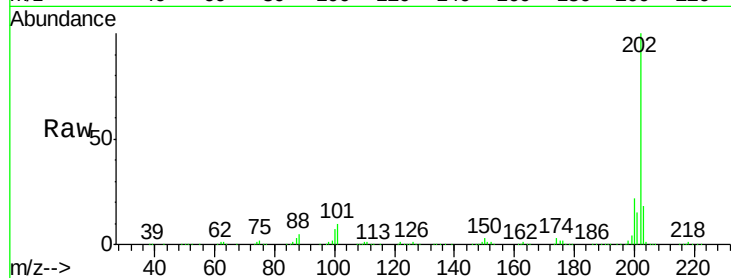
Tot Ion:202 Resp: 404638

Ion Ratio Lower Upper

202 100

101 10.3 0.0 36.6

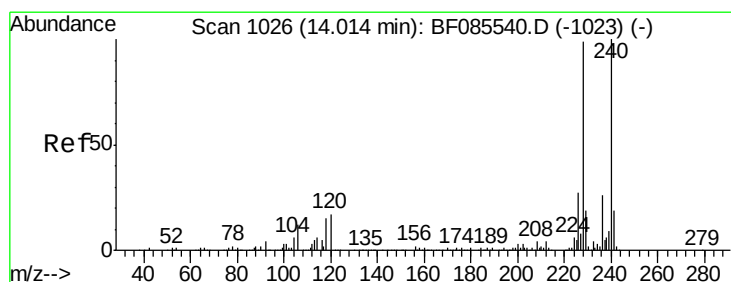
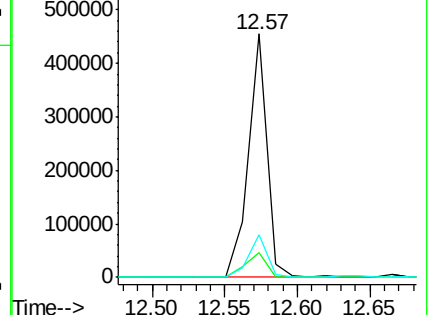
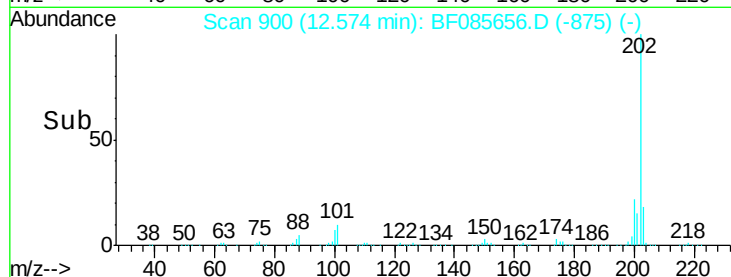
203 17.8 0.0 38.1



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: 13.99 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF085656.D

Acq: 22 Mar 2016 9:25

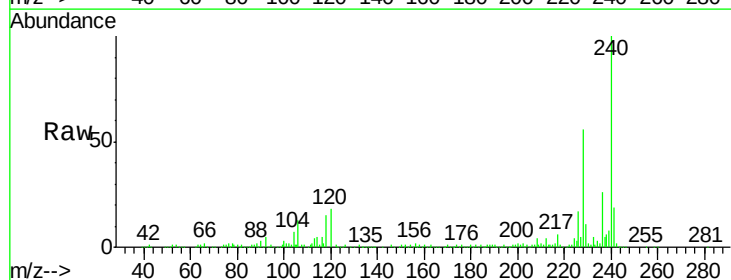
Tgt Ion:240 Resp: 254210

Ion Ratio Lower Upper

240 100

120 17.5 13.8 20.8

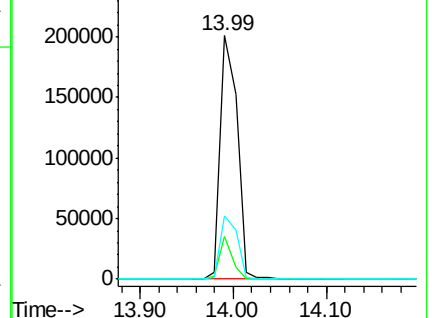
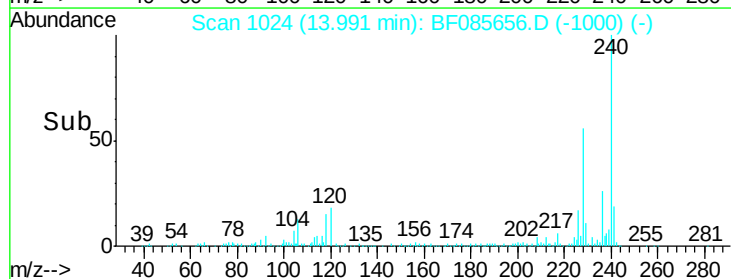
236 26.2 20.6 30.8

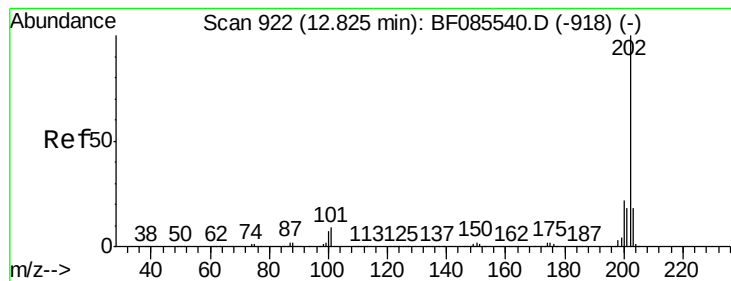


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 21.14 ng

RT: 12.80 min Scan# 920

Delta R.T. -0.02 min

Lab File: BF085656.D

Acq: 22 Mar 2016 9:25

Instrument :

BNA_F

ClientSampleId :

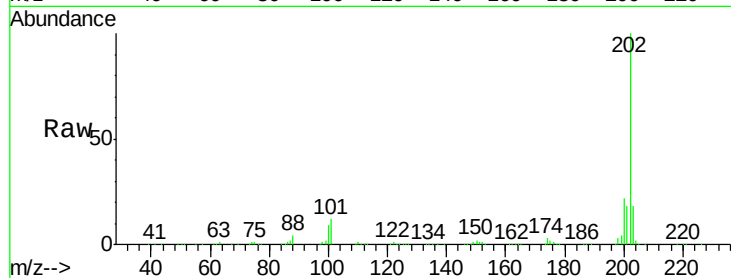
Tot Ion:202 Resp: 385930

Ion Ratio Lower Upper

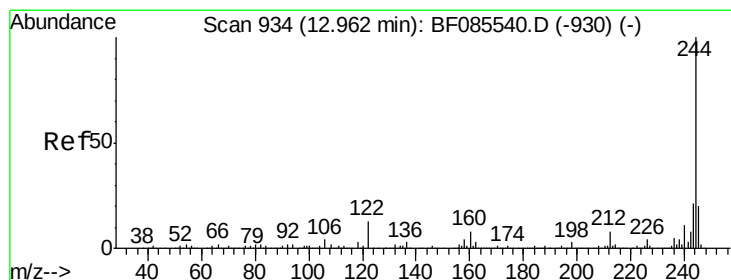
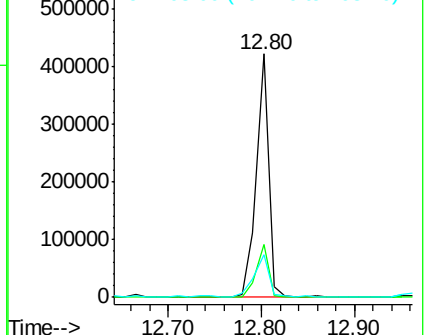
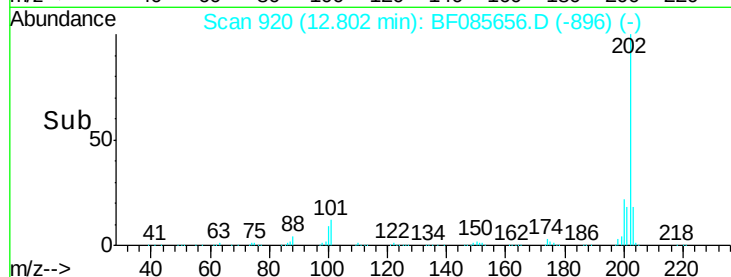
202 100

200 21.6 17.6 26.4

203 17.6 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: 4.74 ng

RT: 12.94 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF085656.D

Acq: 22 Mar 2016 9:25

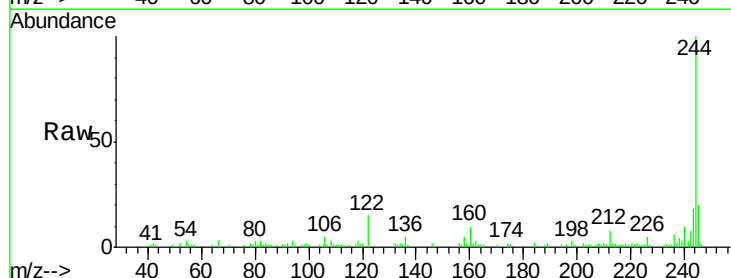
Tgt Ion:244 Resp: 50070

Ion Ratio Lower Upper

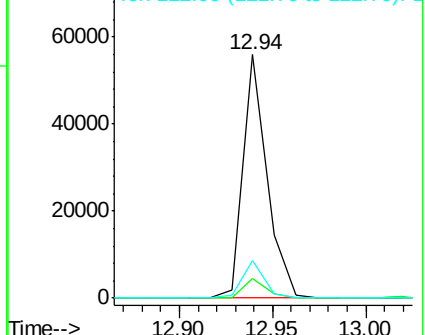
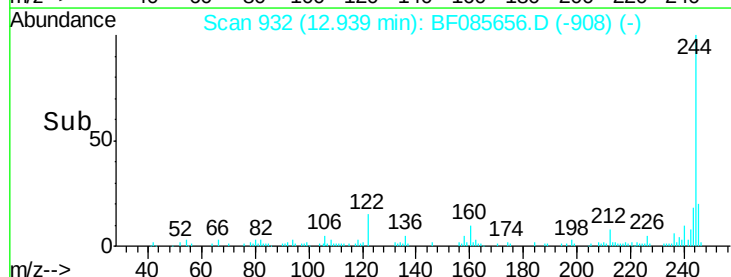
244 100

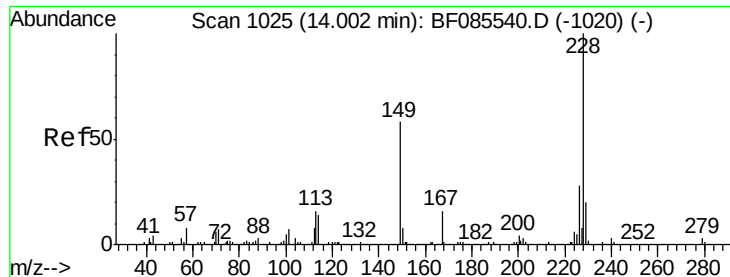
212 8.0 6.1 9.1

122 15.5 10.2 15.4#



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: 12.02 ng

RT: 13.99 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF085656.D

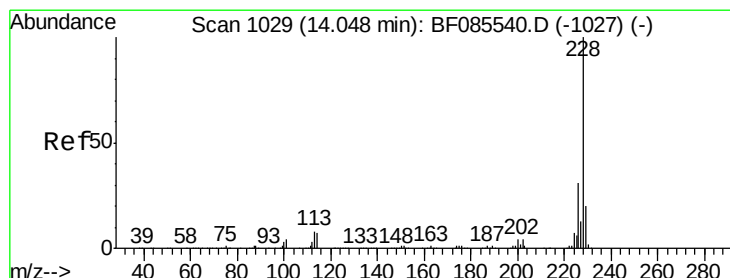
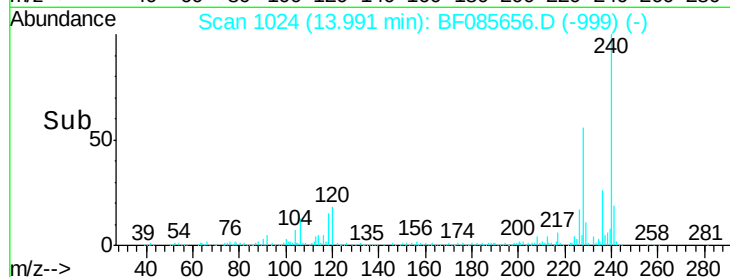
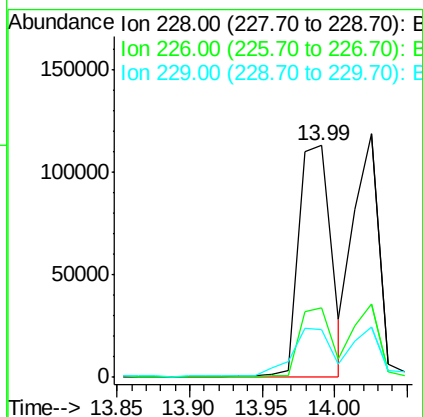
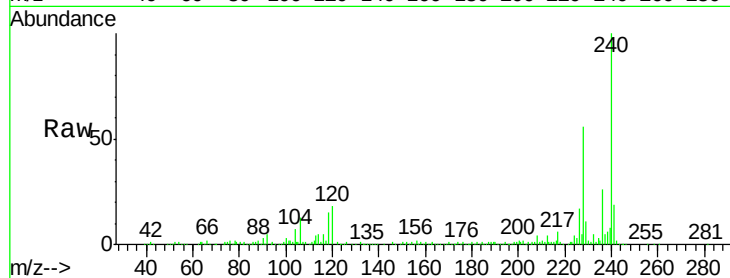
Acq: 22 Mar 2016 9:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion:228	Resp:	177345
Ion Ratio	Lower	Upper
228	100	
226	29.9	22.1 33.1
229	20.4	16.2 24.4



#82

Chrysene

Concen: 12.49 ng

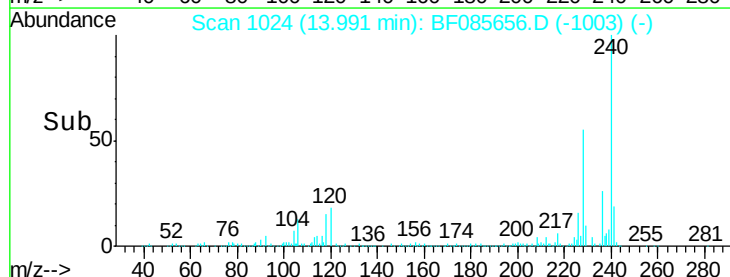
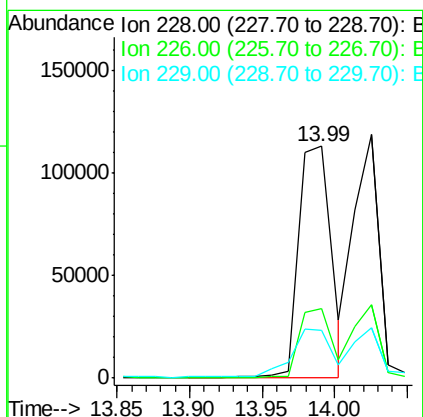
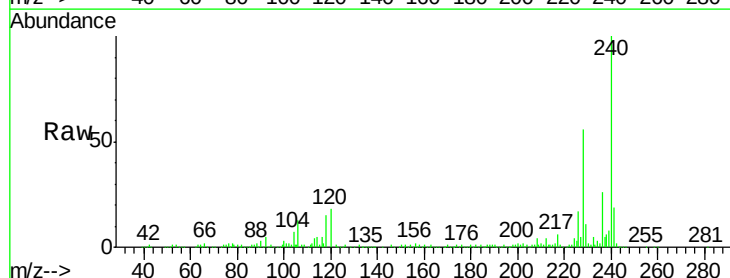
RT: 13.99 min Scan# 1024

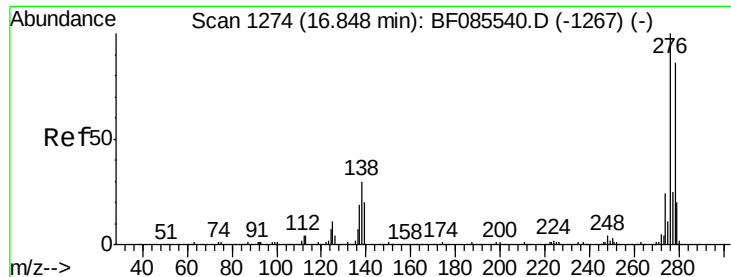
Delta R.T. -0.06 min

Lab File: BF085656.D

Acq: 22 Mar 2016 9:25

Tgt Ion:228	Resp:	177345
Ion Ratio	Lower	Upper
228	100	
226	29.9	25.0 37.6
229	20.4	15.7 23.5

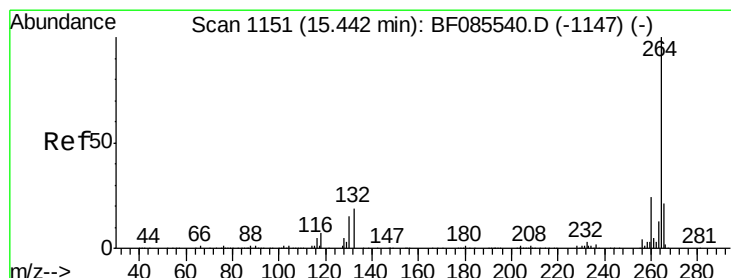
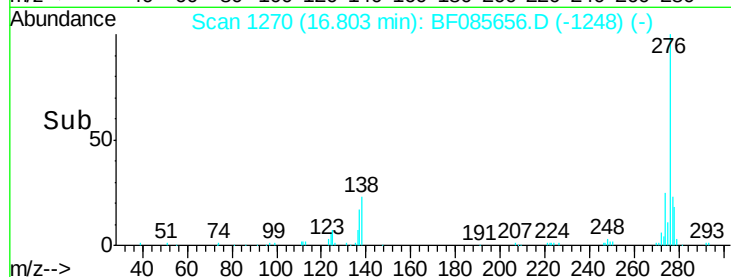
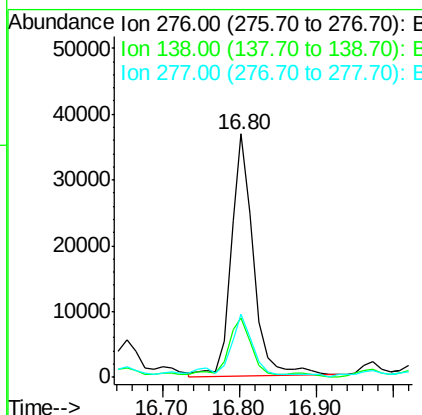
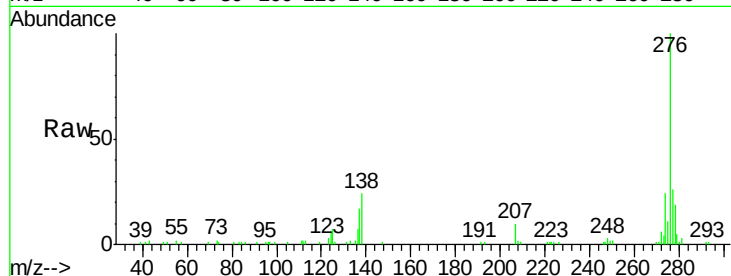




#85
Indeno(1,2,3-cd)pyrene
Concen: 6.32 ng
RT: 16.80 min Scan# 1270
Delta R.T. -0.05 min
Lab File: BF085656.D
Acq: 22 Mar 2016 9:25

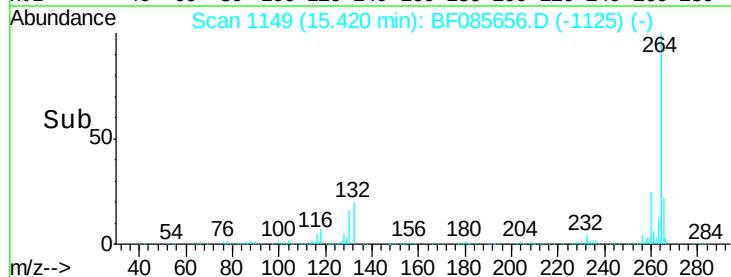
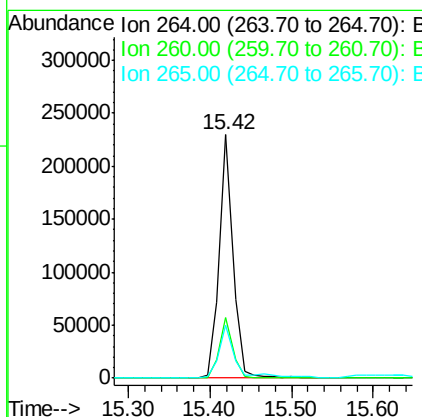
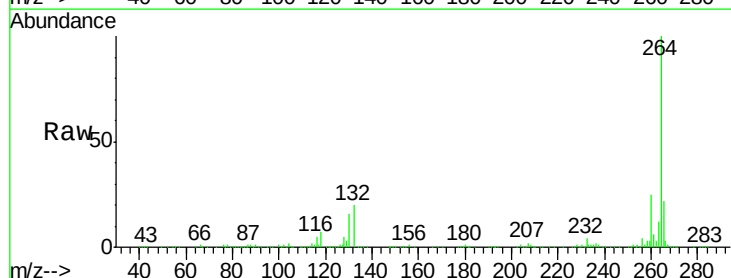
Instrument :
BNA_F
ClientSampleId :

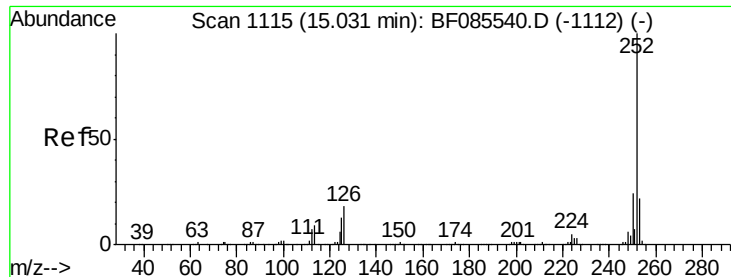
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.0	24.2	36.4
277	26.6	20.0	30.0



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BF085656.D
Acq: 22 Mar 2016 9:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.2
265	21.9	17.2	25.8

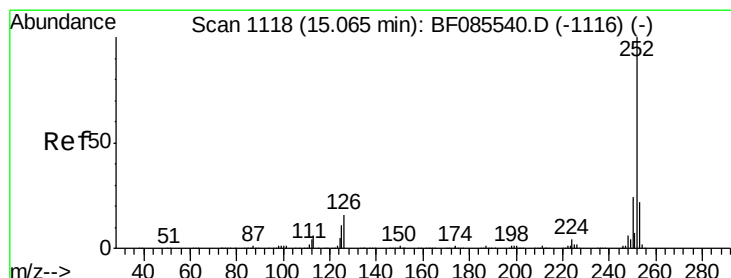
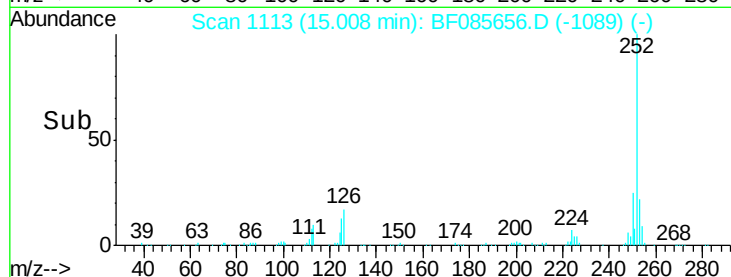
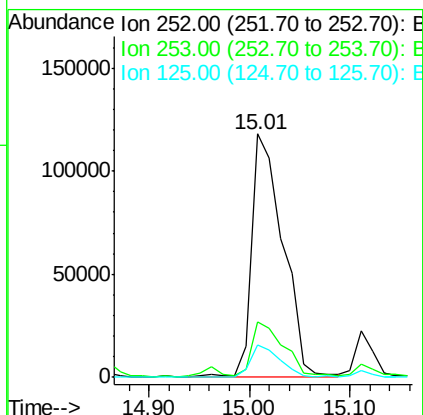
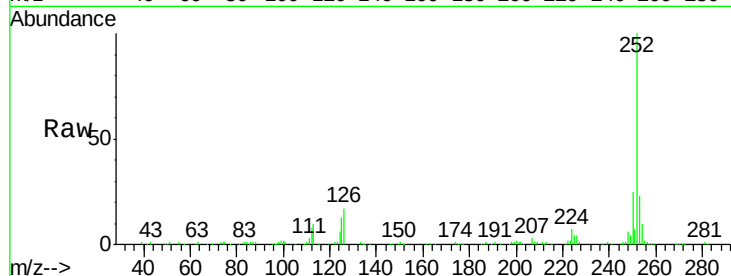




#87
Benzo(b)fluoranthene
Concen: 14.15 ng
RT: 15.01 min Scan# 1113
Delta R.T. -0.02 min
Lab File: BF085656.D
Acq: 22 Mar 2016 9:25

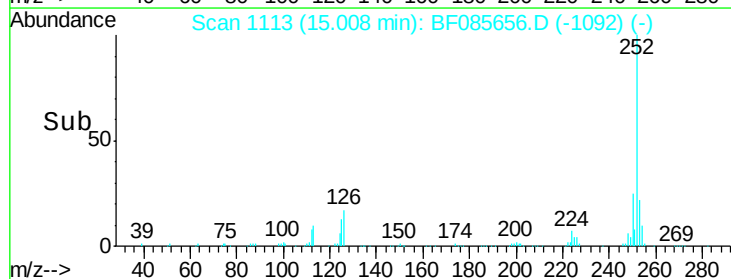
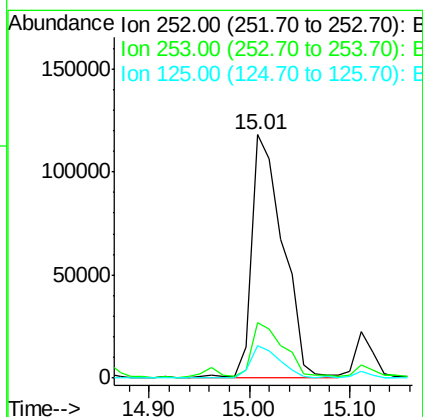
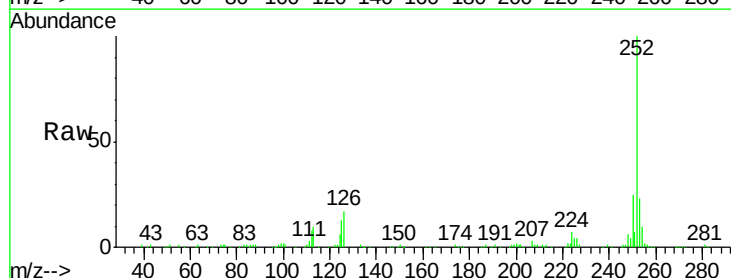
Instrument :
BNA_F
ClientSampleId :

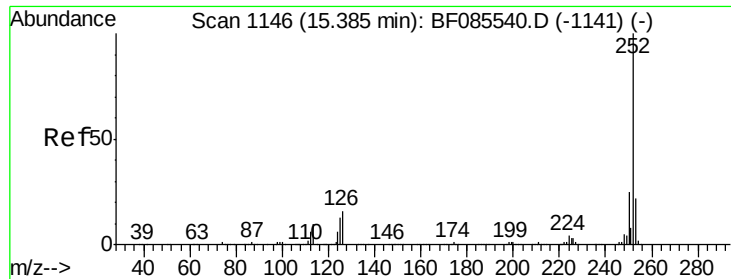
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	13.4	10.3	15.5



#88
Benzo(k)fluoranthene
Concen: 17.18 ng
RT: 15.01 min Scan# 1113
Delta R.T. -0.06 min
Lab File: BF085656.D
Acq: 22 Mar 2016 9:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	13.4	7.7	11.5#

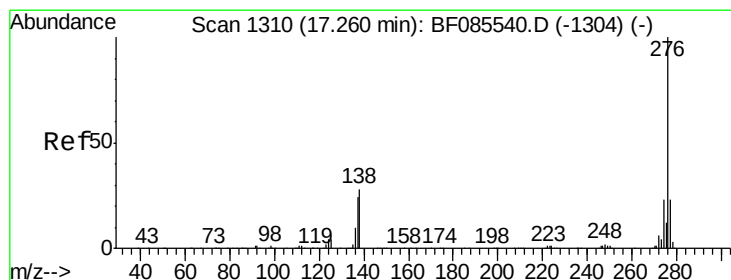
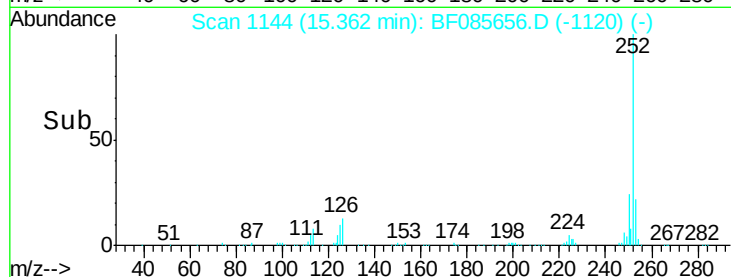
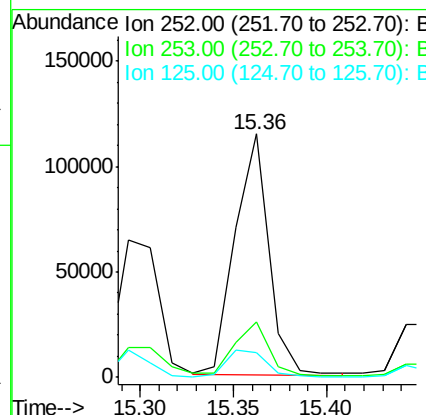
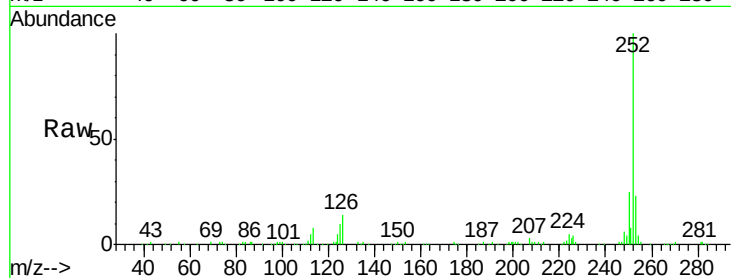




#89
Benzo(a)pyrene
Concen: 9.62 ng
RT: 15.36 min Scan# 1144
Delta R.T. -0.02 min
Lab File: BF085656.D
Acq: 22 Mar 2016 9:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 144842
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 10.4 10.3 15.5



#91
Benzo(g,h,i)perylene
Concen: 5.69 ng
RT: 17.23 min Scan# 1307
Delta R.T. -0.03 min
Lab File: BF085656.D
Acq: 22 Mar 2016 9:25

Tgt Ion:276 Resp: 69181
Ion Ratio Lower Upper
276 100
277 23.0 18.8 28.2
138 23.6 22.6 34.0

