

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031016\
 Data File : BF085363.D
 Acq On : 11 Mar 2016 5:34
 Operator : UM/SJ
 Sample : H1731-08
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 11 06:06:48 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 11 02:49:26 2016
 Response via : Initial Calibration

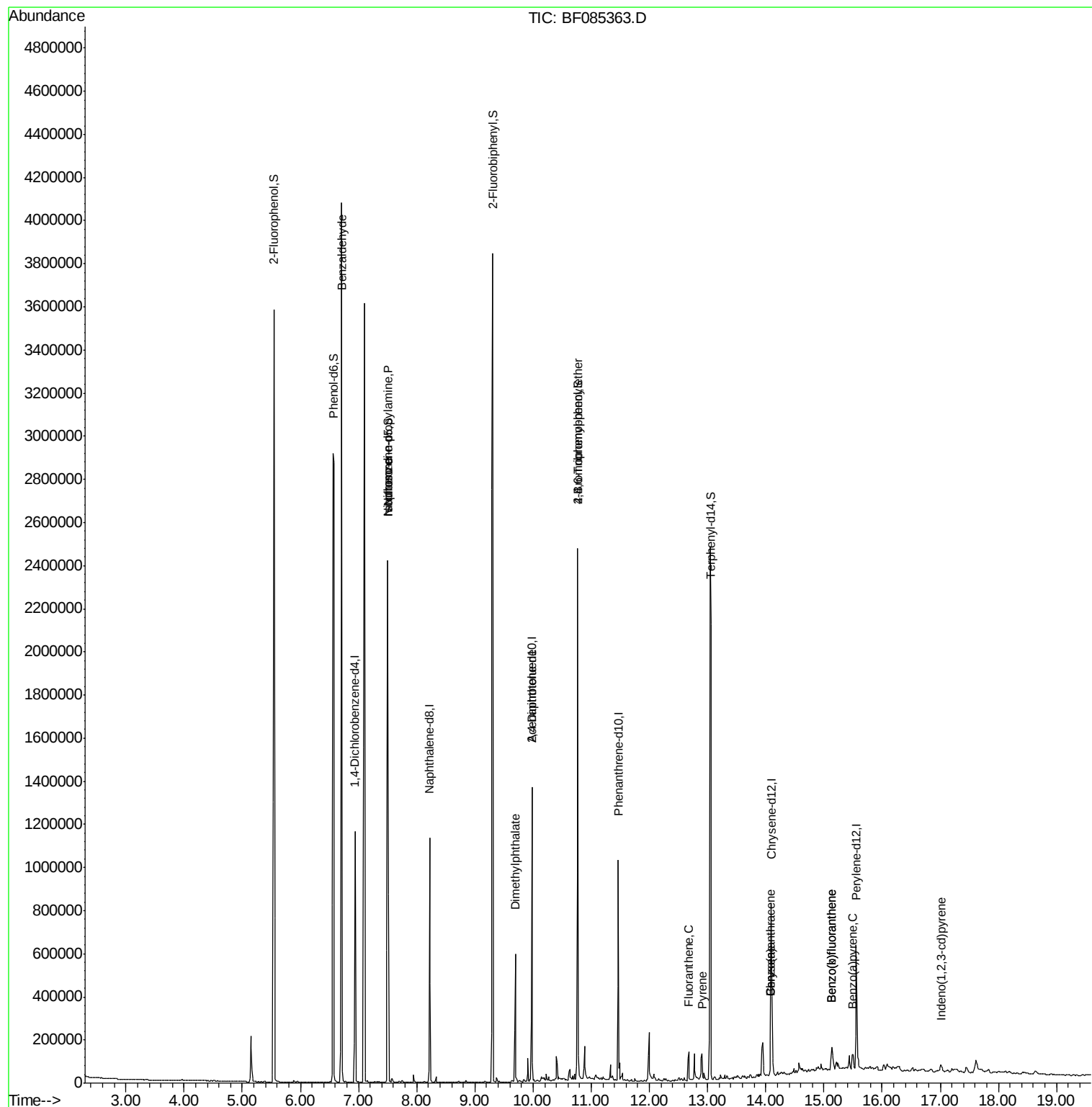
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	159050	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	564308	20.00	ng	-0.01
38) Acenaphthene-d10	9.98	164	252141	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	410312	20.00	ng	0.00
75) Chrysene-d12	14.09	240	268793	20.00	ng	-0.01
86) Perylene-d12	15.56	264	270100	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1198096	126.36	ng	0.00
7) Phenol-d6	6.57	99	1775236	142.90	ng	0.00
23) Nitrobenzene-d5	7.50	82	938915	89.03	ng	-0.01
41) 2,4,6-Tribromophenol	10.77	330	289993	134.41	ng	0.00
44) 2-Fluorobiphenyl	9.30	172	1596366	96.29	ng	0.00
78) Terphenyl-d14	13.05	244	1077751	93.08	ng	0.00
Target Compounds						
9) Benzaldehyde	6.71	77	32213	2.63	ng	Qvalue 85
19) n-Nitroso-di-n-propylamine	7.50	70	124795	15.41	ng	# 79
25) Isophorone	7.50	82	934237	47.80	ng	# 67
49) Dimethylphthalate	9.69	163	265229	13.70	ng	99
56) 2,4-Dinitrotoluene	9.98	165	33180	6.26	ng	# 22
66) 4-Bromophenyl-phenylether	10.77	248	21496	5.40	ng	# 1
74) Fluoranthene	12.68	202	70189	3.25	ng	94
77) Pyrene	12.90	202	66334	3.28	ng	96
80) Benzo(a)anthracene	14.08	228	41188	2.56	ng	94
82) Chrysene	14.08	228	41188	2.77	ng	97
85) Indeno(1,2,3-cd)pyrene	17.01	276	24206	2.09	ng	92
87) Benzo(b)fluoranthene	15.13	252	73889	4.10	ng	97
88) Benzo(k)fluoranthene	15.13	252	73889	5.09	ng	98
89) Benzo(a)pyrene	15.50	252	37498	2.51	ng	97

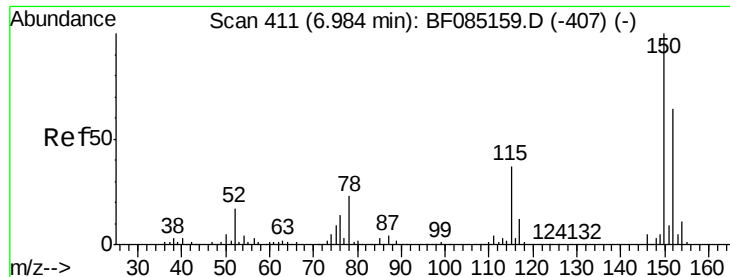
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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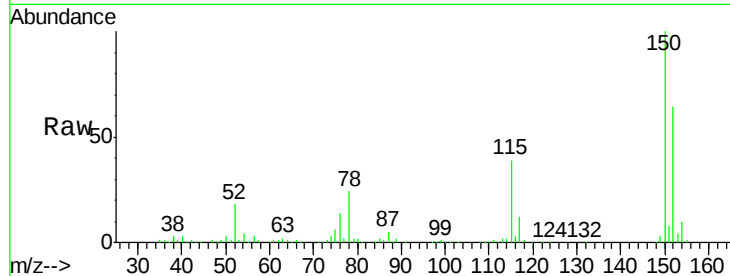


#1

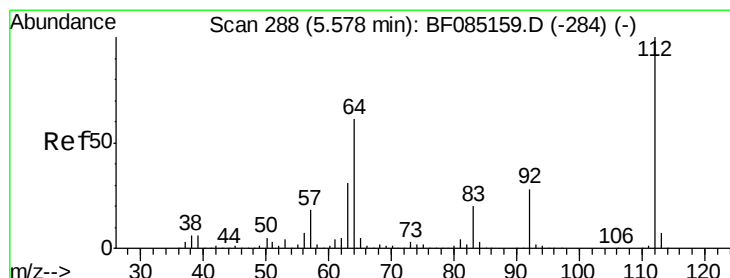
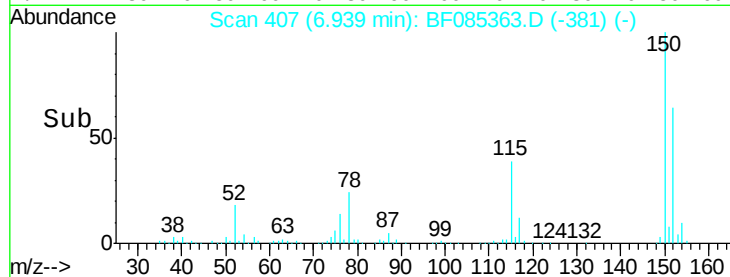
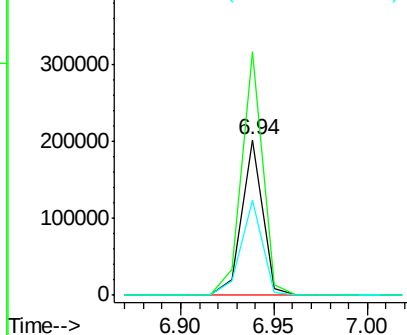
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.94 min Scan# 407
Delta R.T. 0.00 min
Lab File: BF085363.D
Acq: 11 Mar 2016 5:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.6	186.8
115	61.0	46.6	70.0



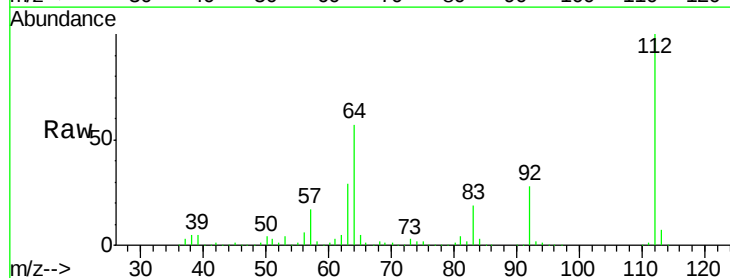
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



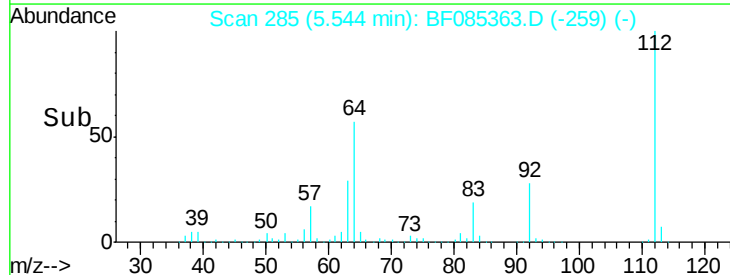
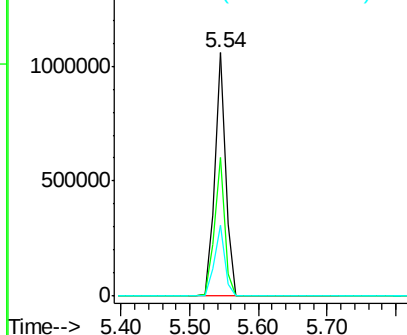
#5

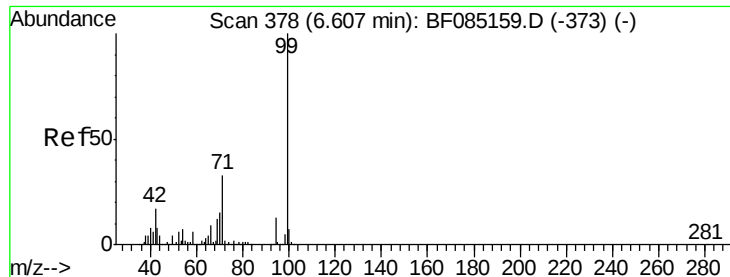
2-Fluorophenol
Concen: 126.36 ng
RT: 5.54 min Scan# 285
Delta R.T. 0.00 min
Lab File: BF085363.D
Acq: 11 Mar 2016 5:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	49.0	73.4
63	29.1	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: 142.90 ng

RT: 6.57 min Scan# 375

Delta R.T. 0.00 min

Lab File: BF085363.D

Acq: 11 Mar 2016 5:34

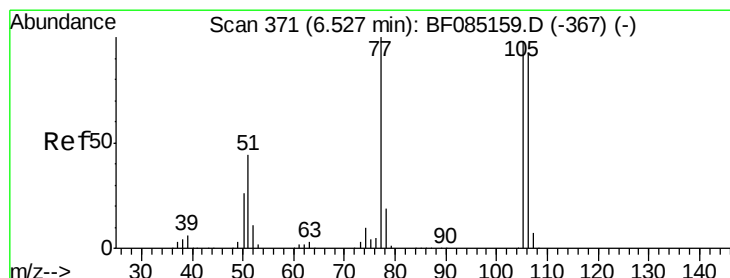
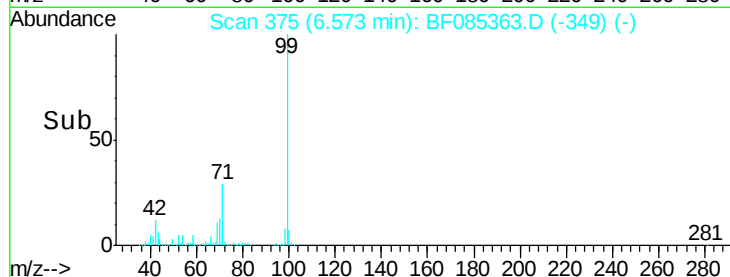
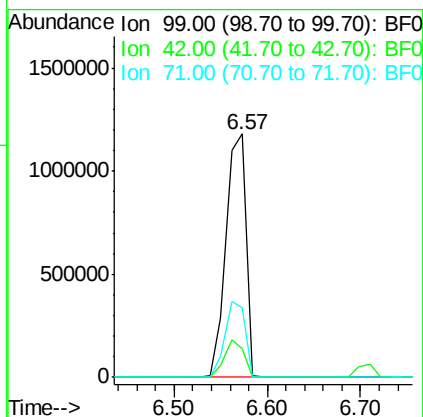
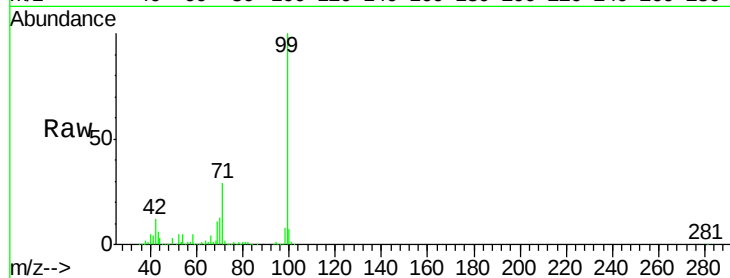
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1775236

Ion	Ratio	Lower	Upper
99	100		
42	11.7	13.6	20.4#
71	28.6	26.7	40.1



#9

Benzaldehyde

Concen: 2.63 ng

RT: 6.71 min Scan# 387

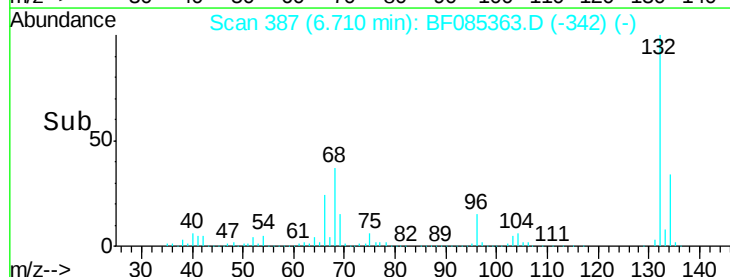
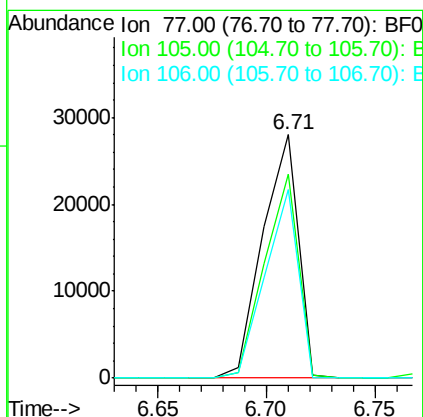
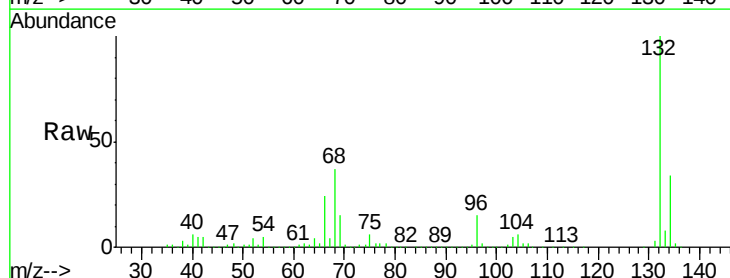
Delta R.T. 0.22 min

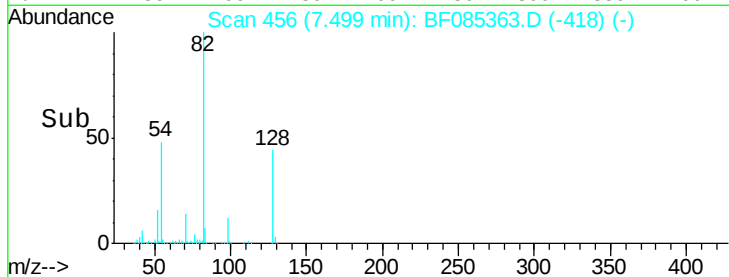
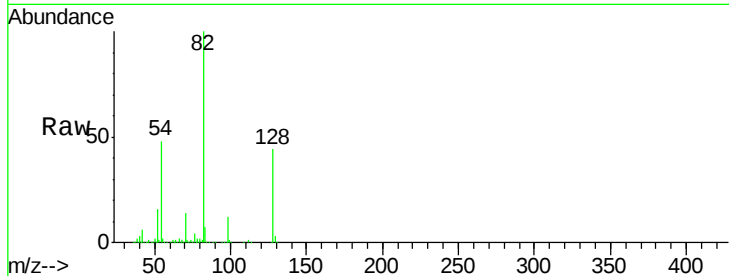
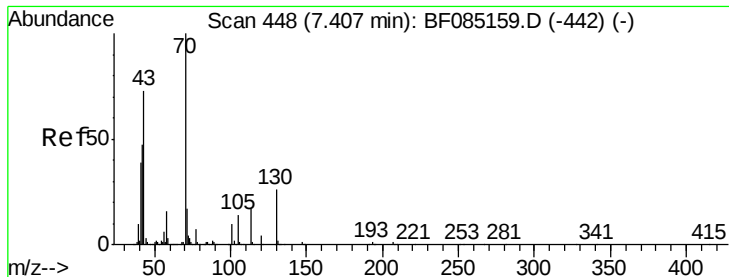
Lab File: BF085363.D

Acq: 11 Mar 2016 5:34

Tgt Ion: 77 Resp: 32213

Ion	Ratio	Lower	Upper
77	100		
105	83.9	78.2	118.2
106	77.7	72.9	112.9

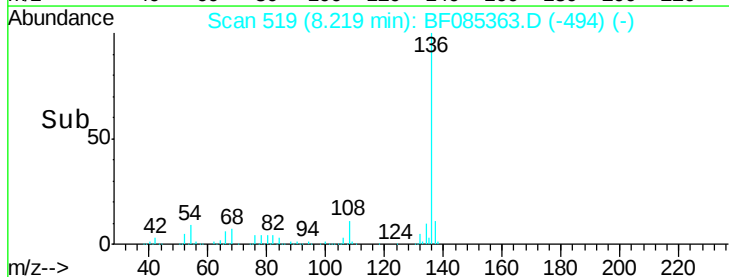
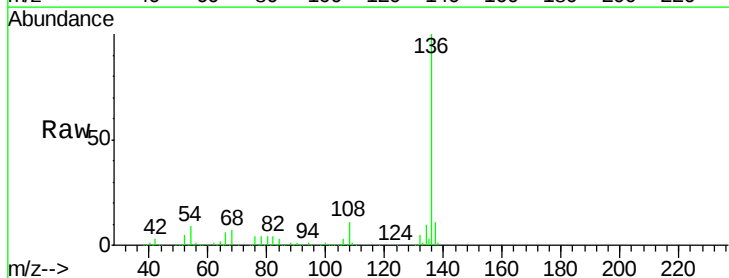
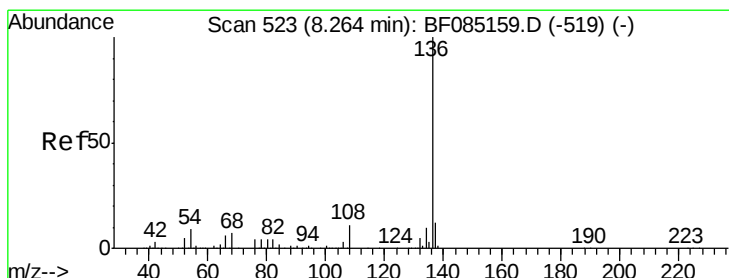
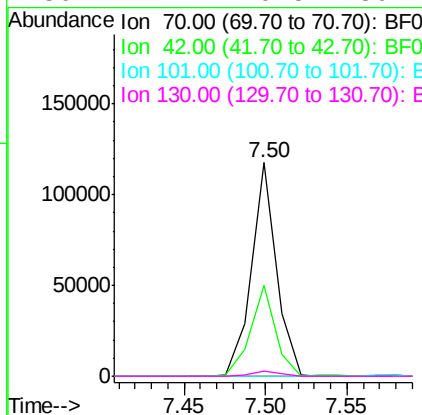




#19
n-Nitroso-di-n-propylamine
Concen: 15.41 ng
RT: 7.50 min Scan# 456
Delta R.T. 0.14 min
Lab File: BF085363.D
Acq: 11 Mar 2016 5:34

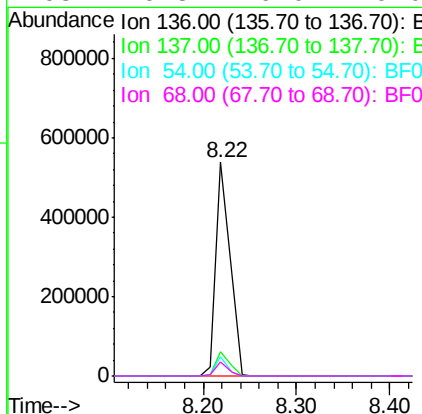
Instrument :
BNA_F
ClientSampleId :

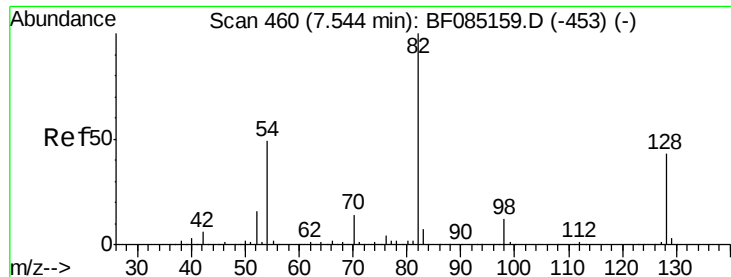
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	42.7	37.7	56.5	
101	0.0	8.2	12.4	
130	2.2	20.5	30.7	



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.22 min Scan# 519
Delta R.T. -0.01 min
Lab File: BF085363.D
Acq: 11 Mar 2016 5:34

Tgt Ion	Ion	Ratio	Lower	Upper
136	100			
137	11.5	9.3	13.9	
54	8.7	7.4	11.2	
68	6.8	6.0	9.0	

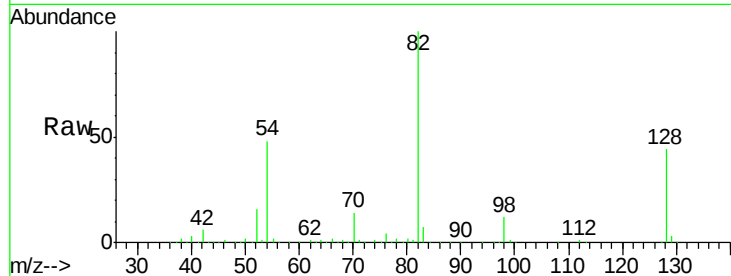




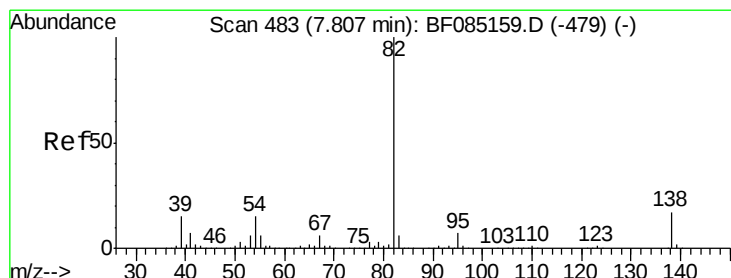
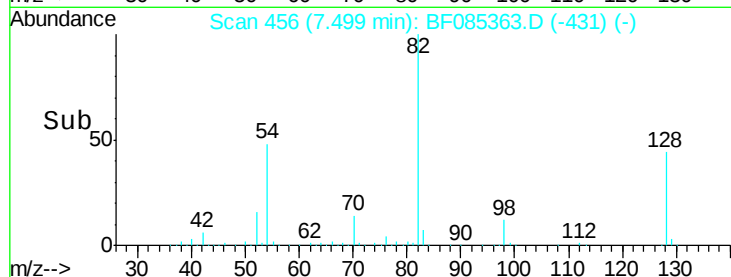
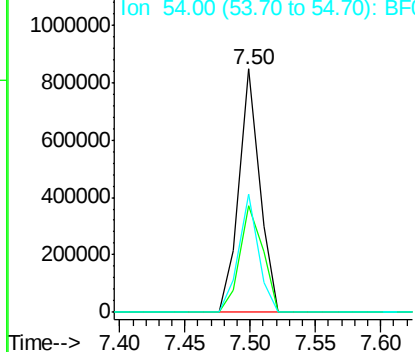
#23
Nitrobenzene-d5
Concen: 89.03 ng
RT: 7.50 min Scan# 456
Delta R.T. -0.01 min
Lab File: BF085363.D
Acq: 11 Mar 2016 5:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	938915
Ion Ratio	100	Lower	Upper
128	44.0	34.5	51.7
54	48.3	39.3	58.9

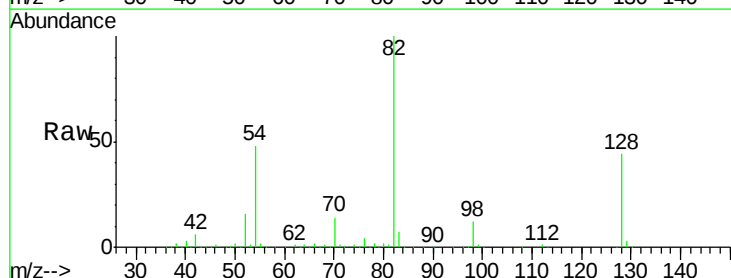


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

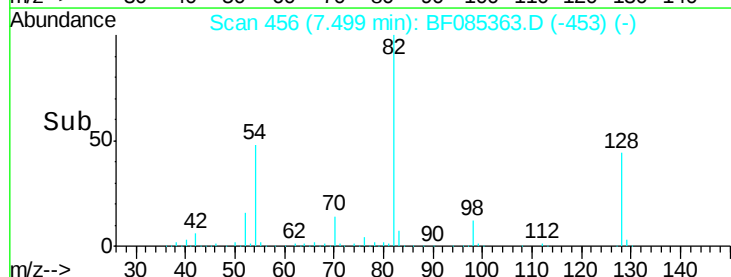
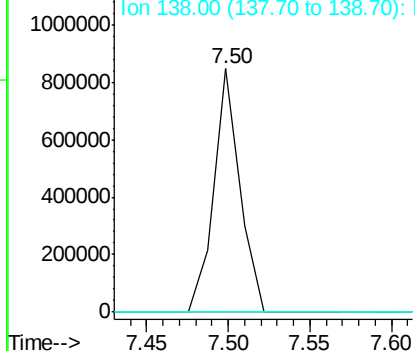


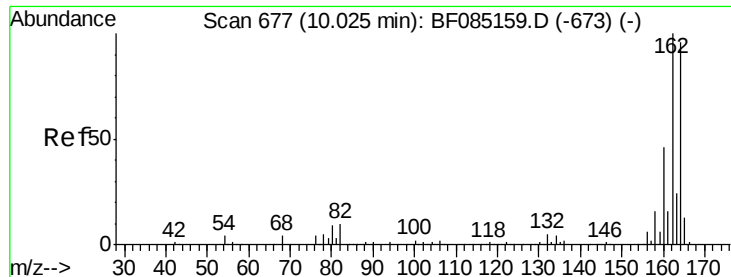
#25
Isophorone
Concen: 47.80 ng
RT: 7.50 min Scan# 456
Delta R.T. -0.26 min
Lab File: BF085363.D
Acq: 11 Mar 2016 5:34

Tgt Ion	82	Resp	934237
Ion Ratio	100	Lower	Upper
95	0.0	5.4	8.2#
138	0.0	13.3	19.9#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.98 min Scan# 673

Delta R.T. 0.00 min

Lab File: BF085363.D

Acq: 11 Mar 2016 5:34

Instrument :

BNA_F

ClientSampleId :

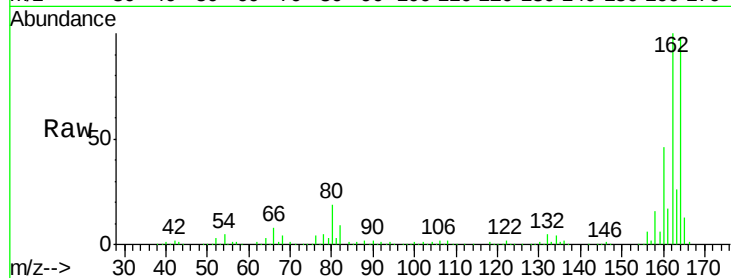
Tot Ion:164 Resp: 252141

Ion Ratio Lower Upper

164 100

162 101.9 83.3 124.9

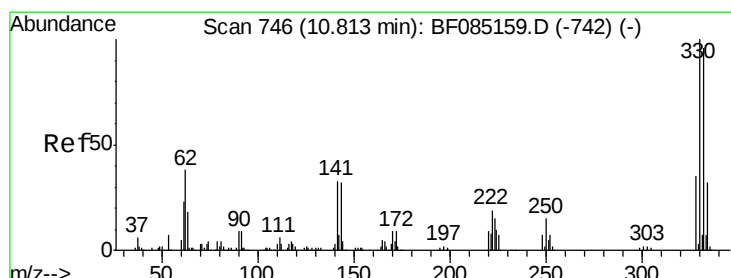
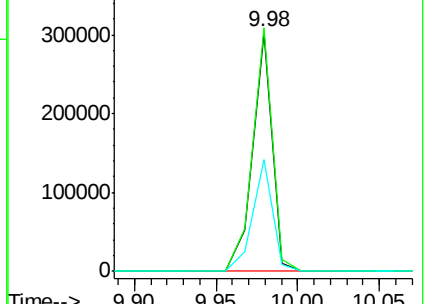
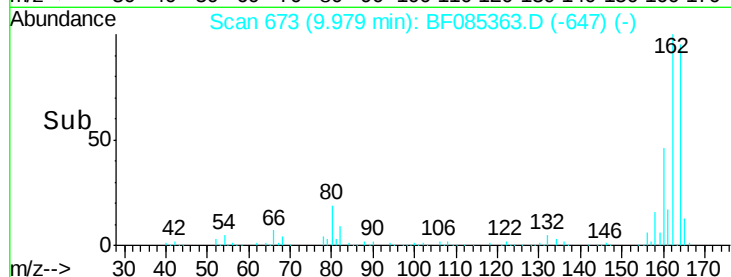
160 47.0 37.9 56.9



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: 134.41 ng

RT: 10.77 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF085363.D

Acq: 11 Mar 2016 5:34

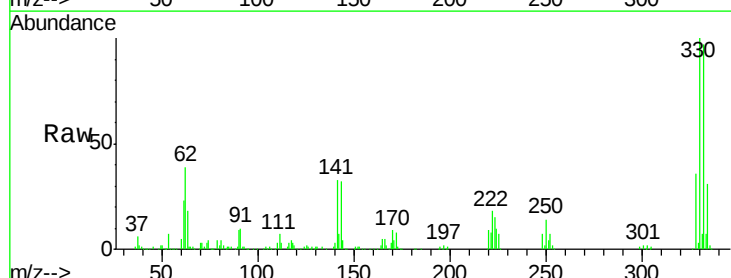
Tgt Ion:330 Resp: 289993

Ion Ratio Lower Upper

330 100

332 96.4 77.1 115.7

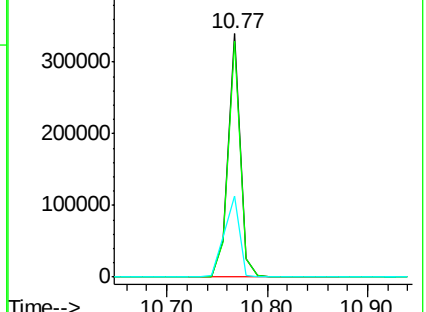
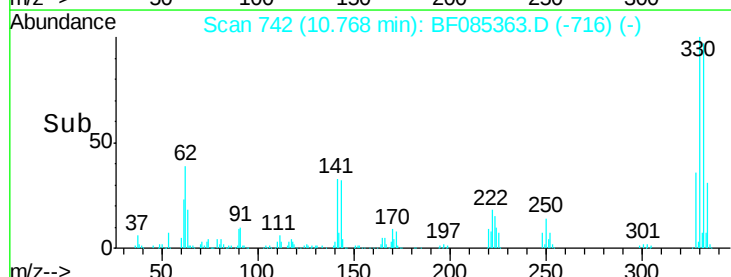
141 41.8 35.0 52.6

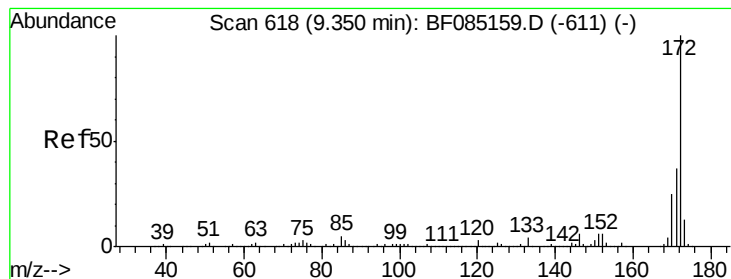


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

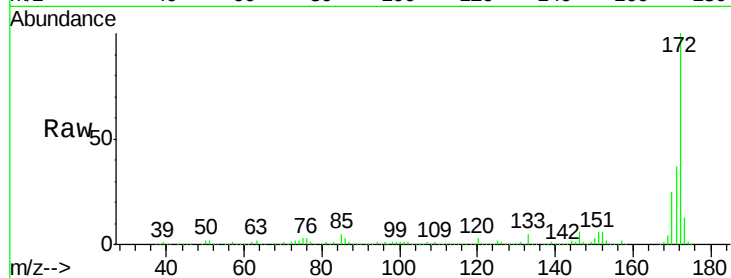




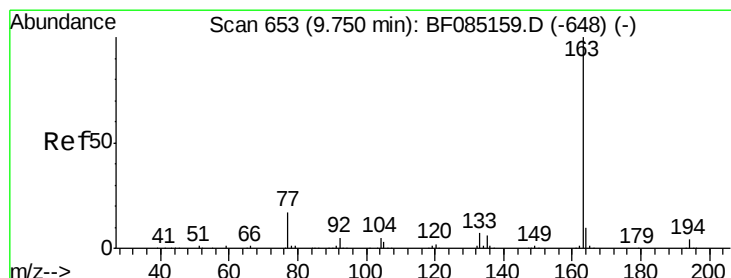
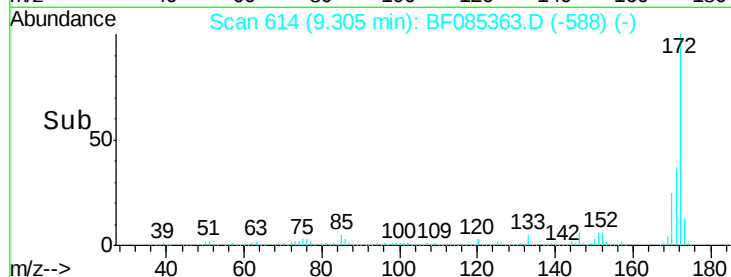
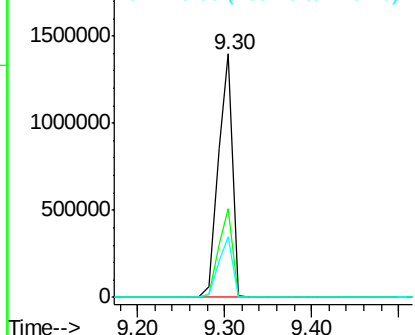
#44
2-Fluorobiphenyl
Concen: 96.29 ng
RT: 9.30 min Scan# 614
Delta R.T. 0.00 min
Lab File: BF085363.D
Acq: 11 Mar 2016 5:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1596366
Ion Ratio Lower Upper
172 100
171 36.5 29.3 43.9
170 24.8 20.0 30.0

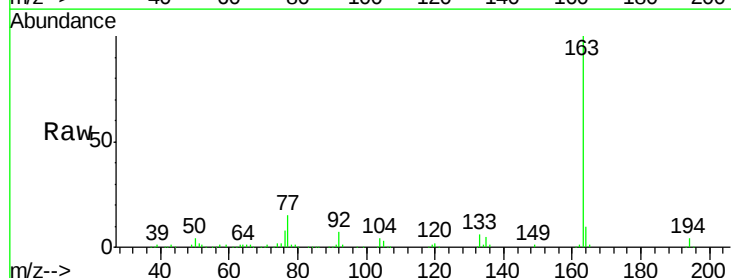


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

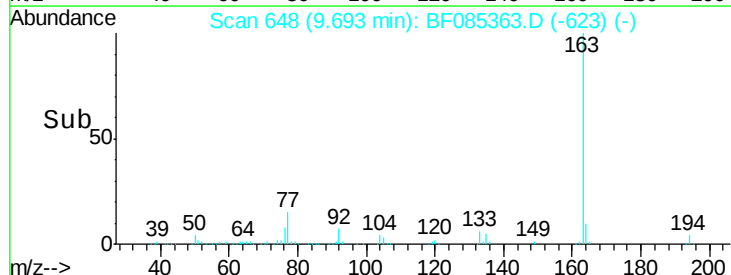
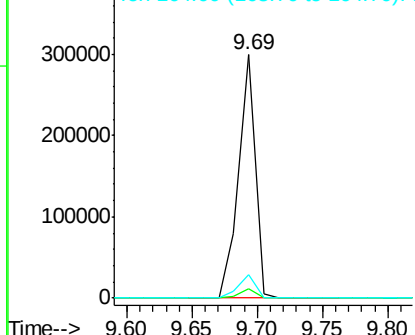


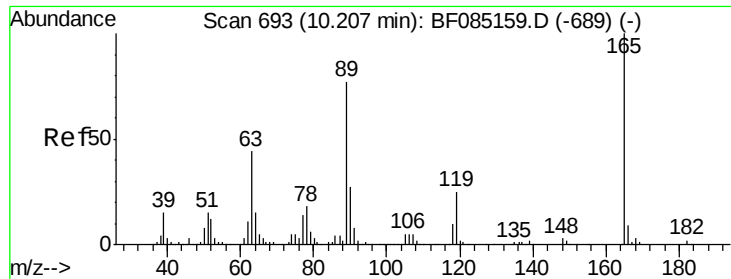
#49
Dimethylphthalate
Concen: 13.70 ng
RT: 9.69 min Scan# 648
Delta R.T. -0.01 min
Lab File: BF085363.D
Acq: 11 Mar 2016 5:34

Tgt Ion:163 Resp: 265229
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 9.8 8.2 12.4



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

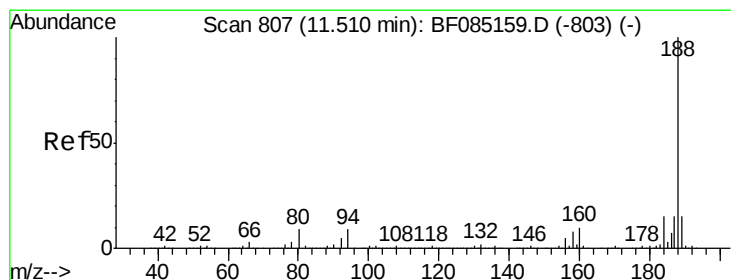
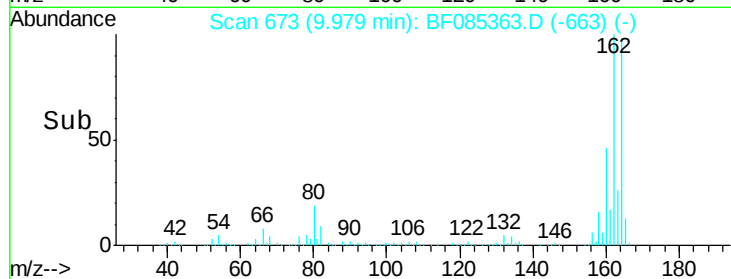
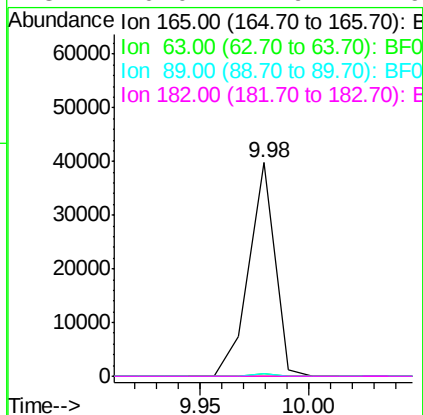
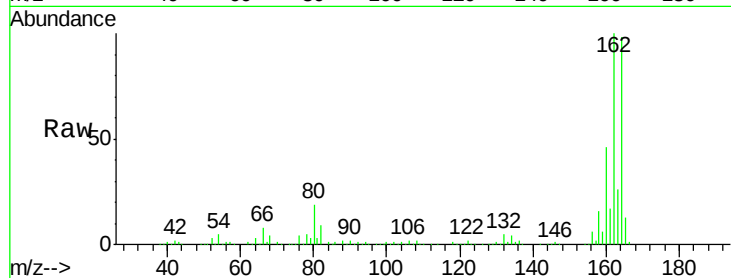




#56
 2,4-Dinitrotoluene
 Concen: 6.26 ng
 RT: 9.98 min Scan# 673
 Delta R.T. -0.18 min
 Lab File: BF085363.D
 Acq: 11 Mar 2016 5:34

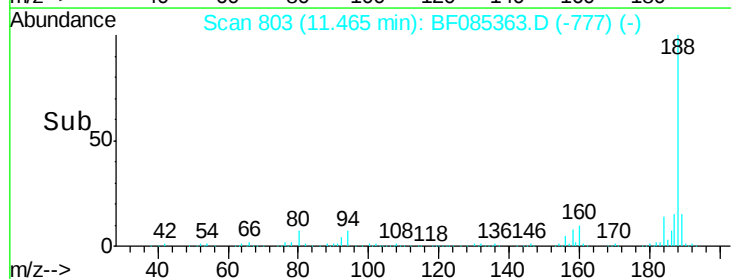
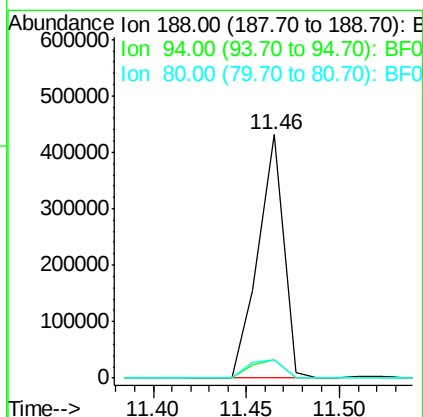
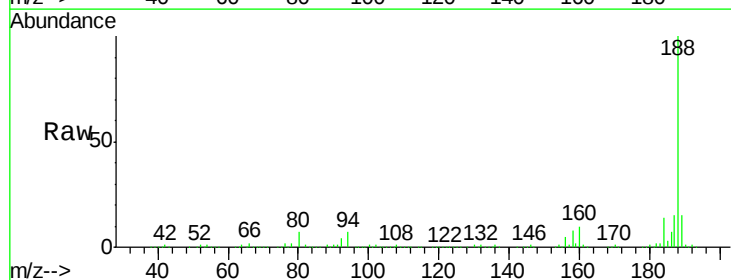
Instrument :
 BNA_F
 ClientSampleId :

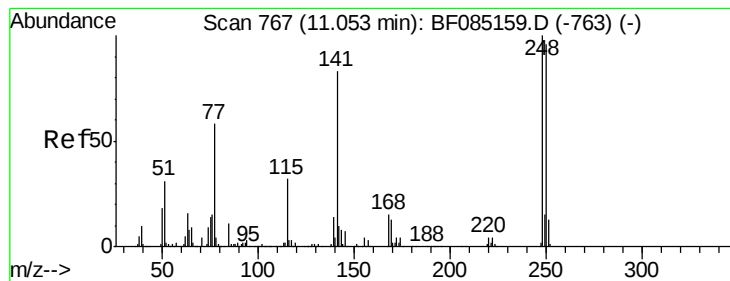
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	35.4	53.0#
89	1.3	61.9	92.9#
182	0.0	1.9	2.9#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.46 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: BF085363.D
 Acq: 11 Mar 2016 5:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.4	7.0	10.6
80	7.4	7.4	11.0#





#66

4-Bromophenyl-phenylether

Concen: 5.40 ng

RT: 10.77 min Scan# 742

Delta R.T. -0.24 min

Lab File: BF085363.D

Acq: 11 Mar 2016 5:34

Instrument :

BNA_F

ClientSampleId :

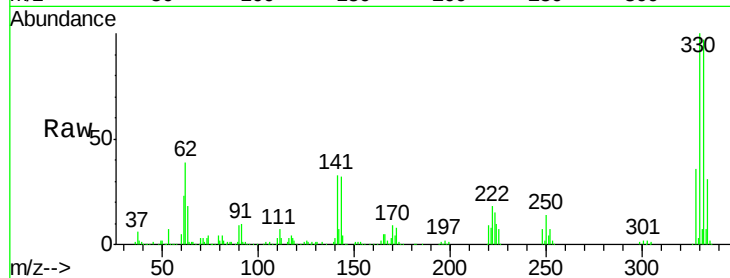
Tot Ion:248 Resp: 21496

Ion Ratio Lower Upper

248 100

250 196.3 77.1 115.7#

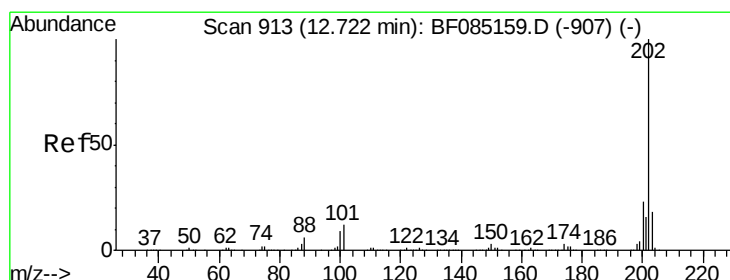
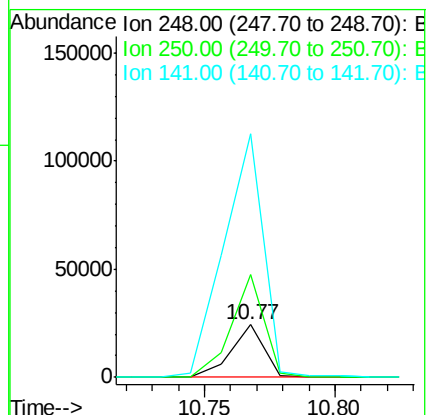
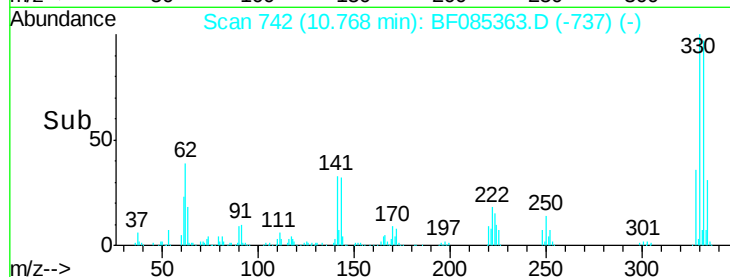
141 462.4 66.2 99.2#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#74

Fluoranthene

Concen: 3.25 ng

RT: 12.68 min Scan# 909

Delta R.T. 0.00 min

Lab File: BF085363.D

Acq: 11 Mar 2016 5:34

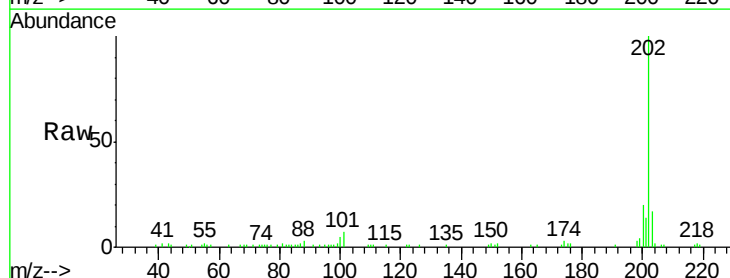
Tgt Ion:202 Resp: 70189

Ion Ratio Lower Upper

202 100

101 7.5 0.0 31.8

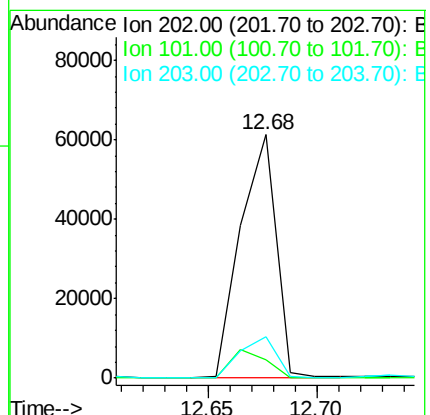
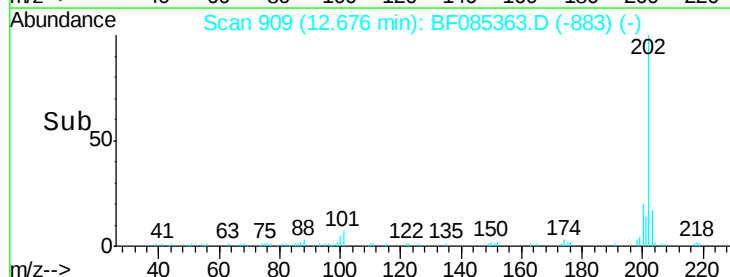
203 16.9 0.0 38.4

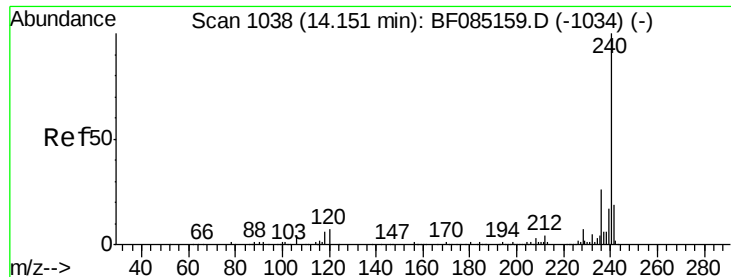


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.09 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF085363.D

Acq: 11 Mar 2016 5:34

Instrument :

BNA_F

ClientSampleId :

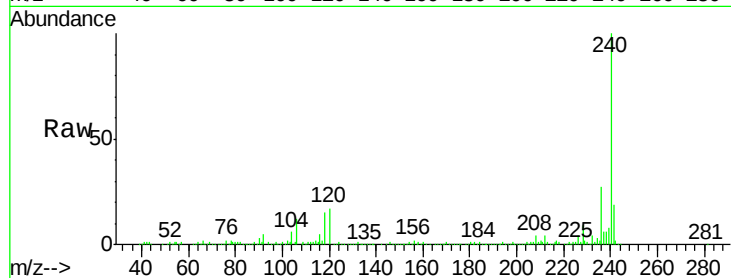
Tot Ion:240 Resp: 268793

Ion Ratio Lower Upper

240 100

120 17.5 5.3 7.9#

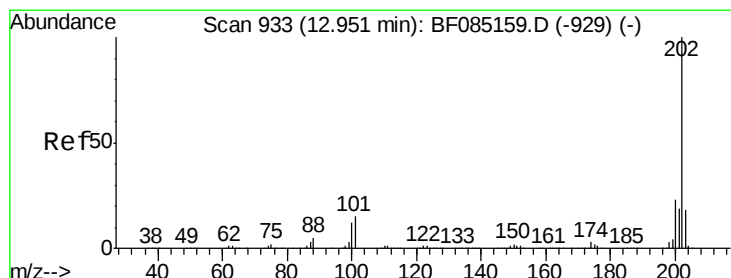
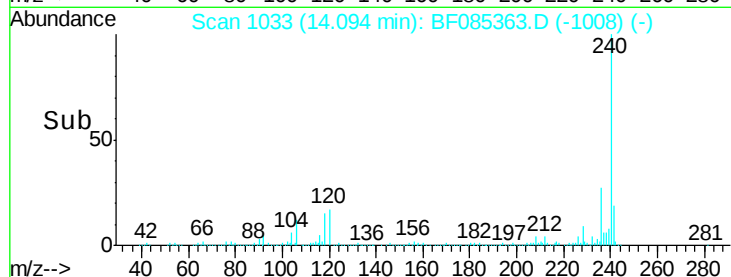
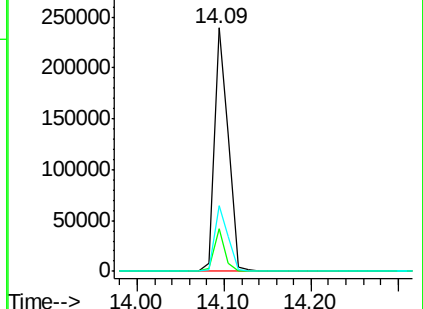
236 26.8 20.7 31.1



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: 3.28 ng

RT: 12.90 min Scan# 929

Delta R.T. 0.00 min

Lab File: BF085363.D

Acq: 11 Mar 2016 5:34

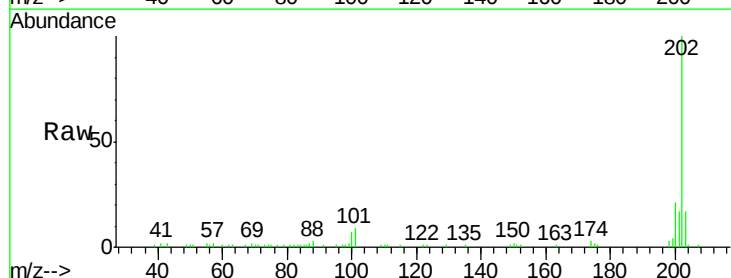
Tgt Ion:202 Resp: 66334

Ion Ratio Lower Upper

202 100

200 20.5 18.2 27.4

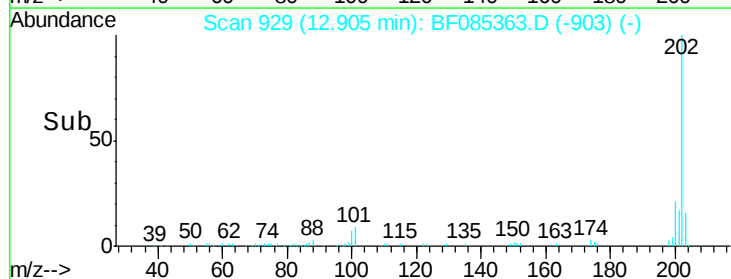
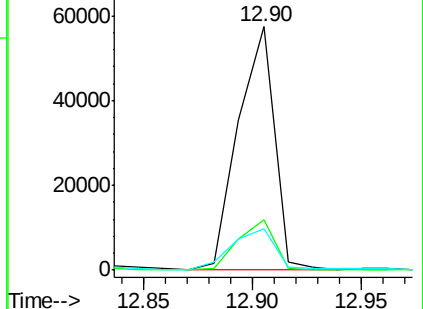
203 17.1 14.7 22.1

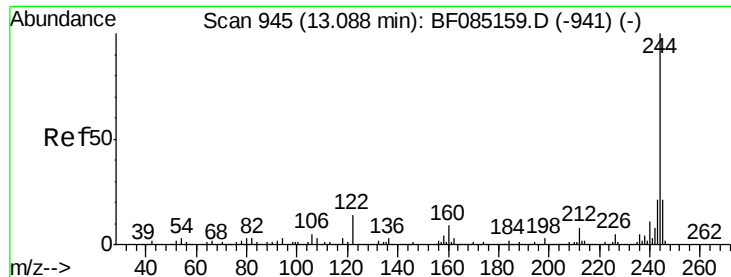


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 93.08 ng

RT: 13.05 min Scan# 942

Delta R.T. 0.00 min

Lab File: BF085363.D

Acq: 11 Mar 2016 5:34

Instrument :

BNA_F

ClientSampleId :

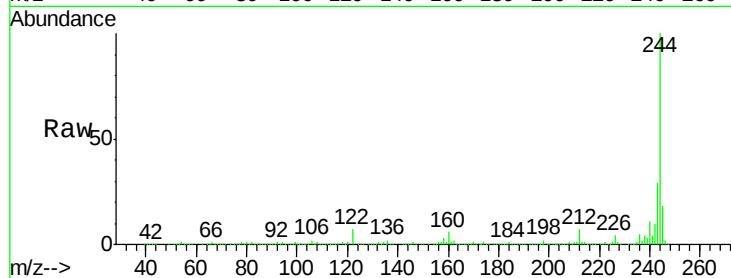
Tot Ion:244 Resp: 1077751

Ion Ratio Lower Upper

244 100

212 6.6 6.4 9.6

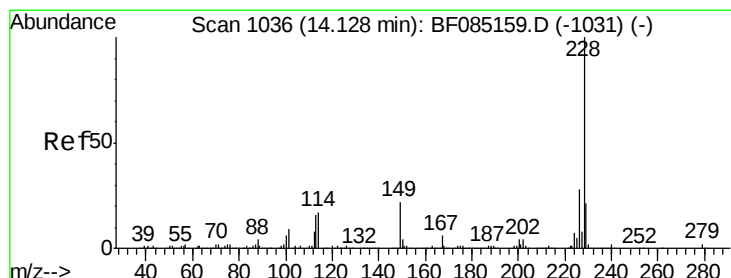
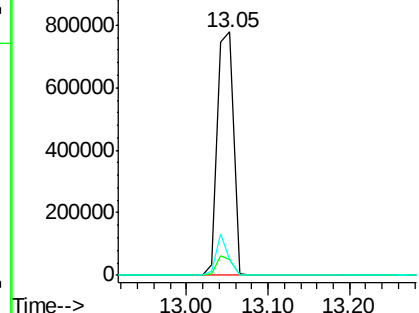
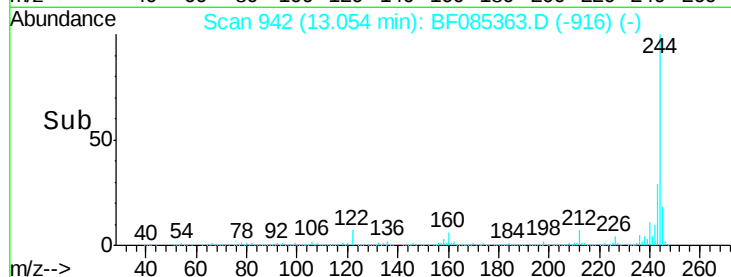
122 6.6 11.4 17.2#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.56 ng

RT: 14.08 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF085363.D

Acq: 11 Mar 2016 5:34

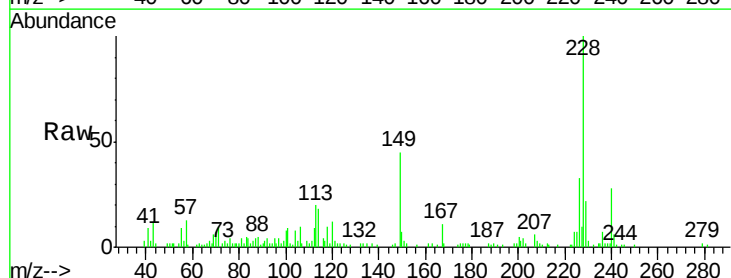
Tgt Ion:228 Resp: 41188

Ion Ratio Lower Upper

228 100

226 32.7 22.8 34.2

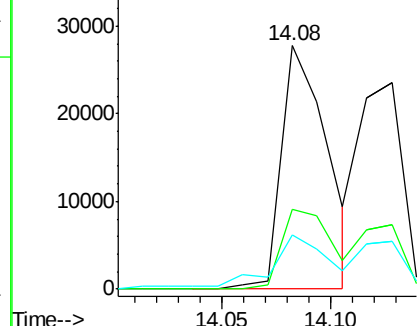
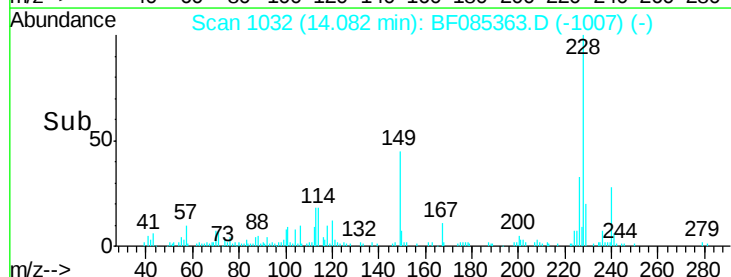
229 22.2 16.6 24.8

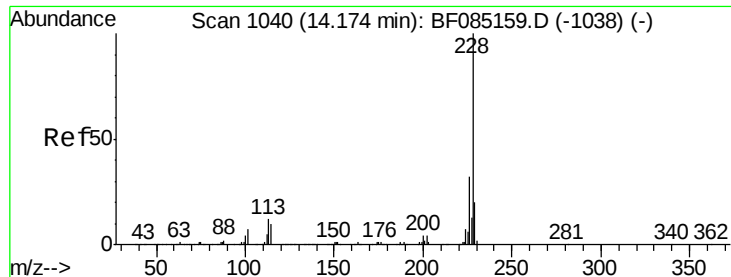


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.77 ng

RT: 14.08 min Scan# 1032

Delta R.T. -0.05 min

Lab File: BF085363.D

Acq: 11 Mar 2016 5:34

Instrument :

BNA_F

ClientSampleId :

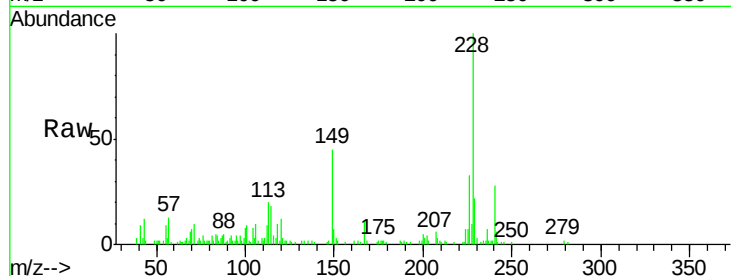
Tot Ion:228 Resp: 41188

Ion Ratio Lower Upper

228 100

226 32.7 25.2 37.8

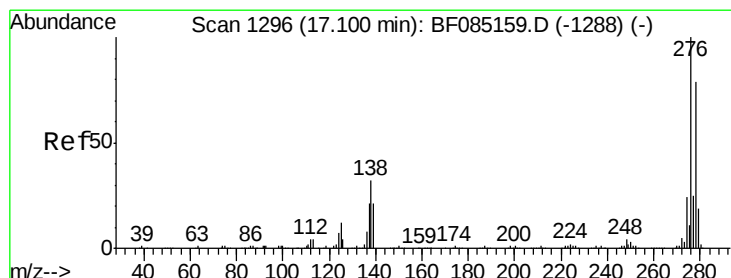
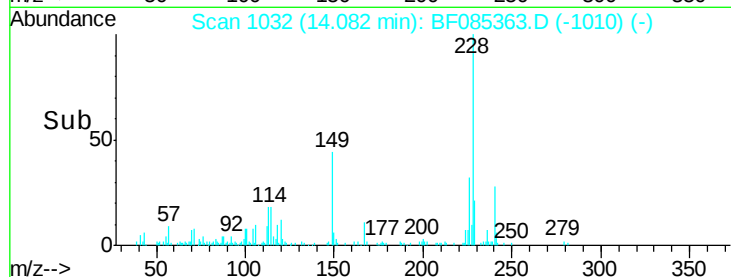
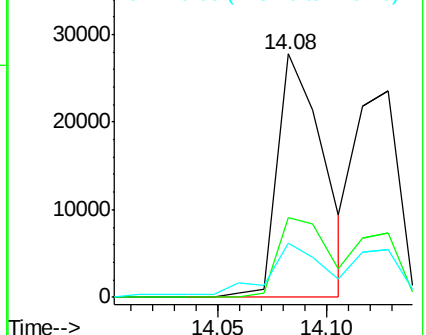
229 22.2 16.0 24.0



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: 2.09 ng

RT: 17.01 min Scan# 1288

Delta R.T. -0.02 min

Lab File: BF085363.D

Acq: 11 Mar 2016 5:34

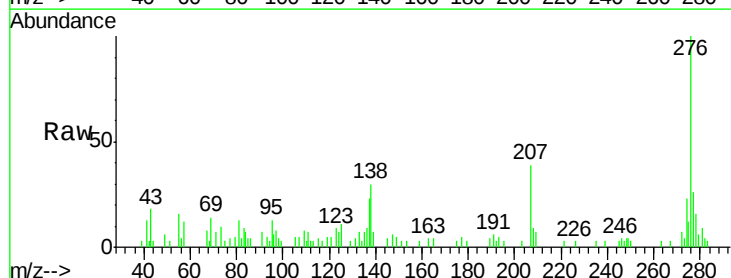
Tgt Ion:276 Resp: 24206

Ion Ratio Lower Upper

276 100

138 36.9 26.4 39.6

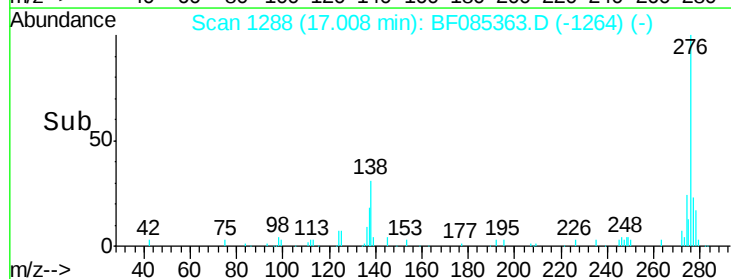
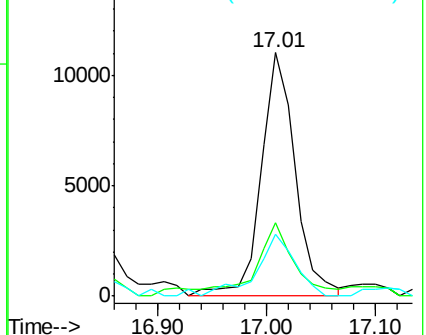
277 29.5 20.2 30.2

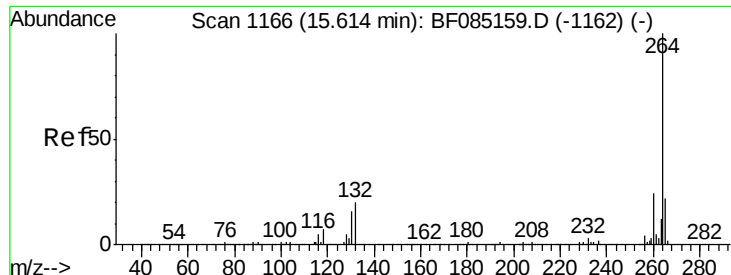


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

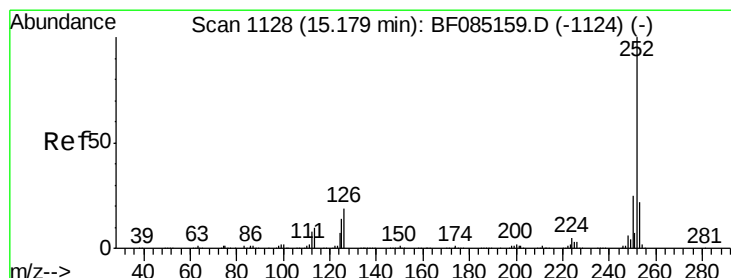
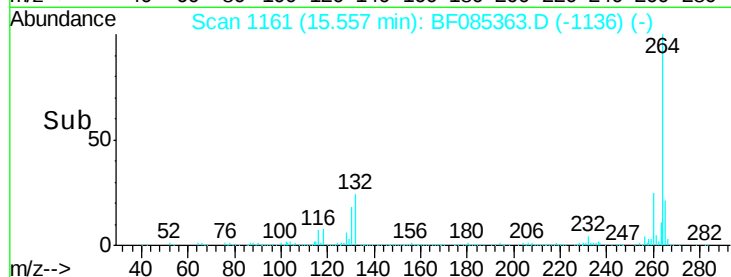
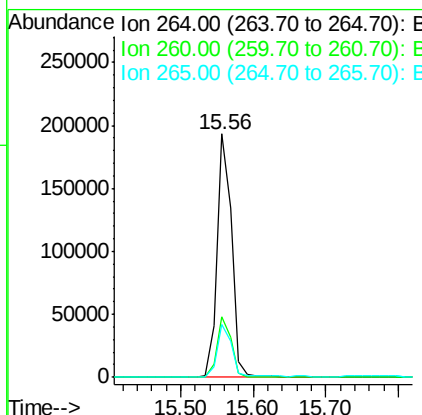
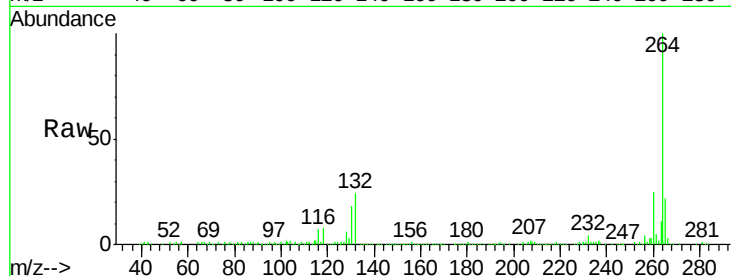




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BF085363.D
Acq: 11 Mar 2016 5:34

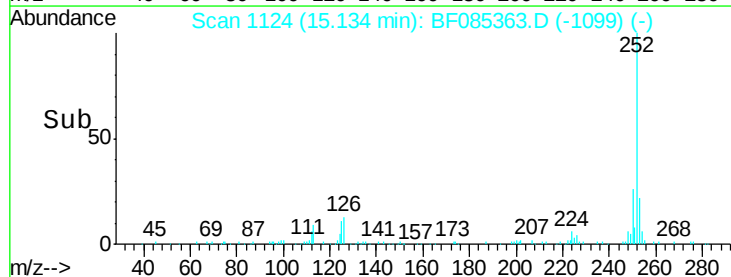
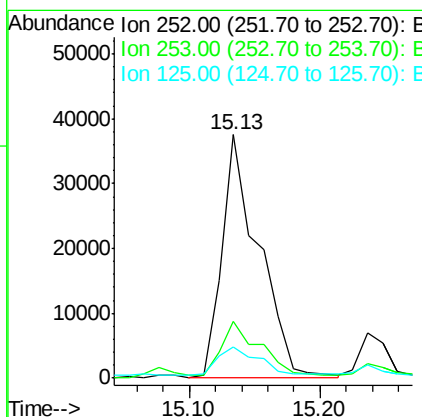
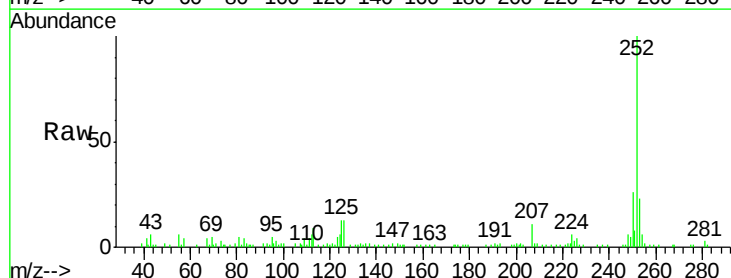
Instrument :
BNA_F
ClientSampleId :

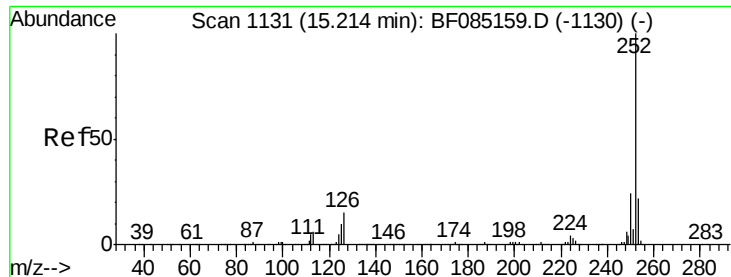
Tot Ion:264 Resp: 270100
Ion Ratio Lower Upper
264 100
260 24.8 19.2 28.8
265 21.6 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 4.10 ng
RT: 15.13 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF085363.D
Acq: 11 Mar 2016 5:34

Tgt Ion:252 Resp: 73889
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 12.7 11.3 16.9

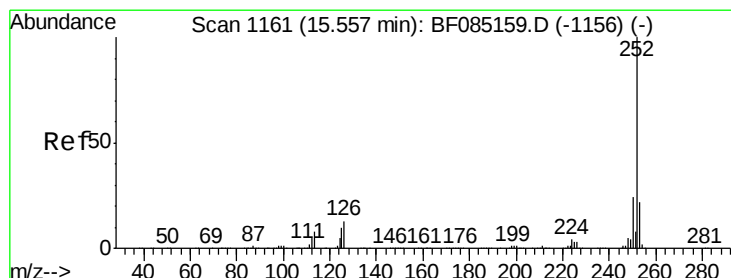
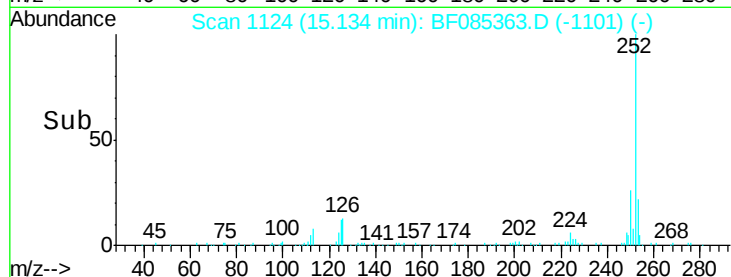
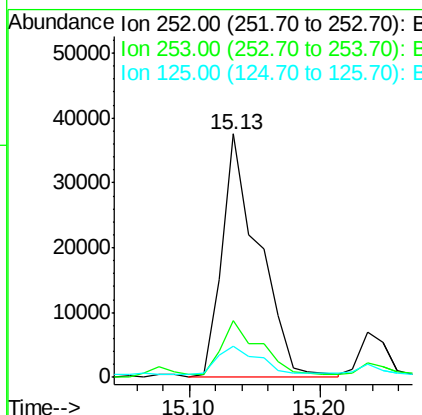
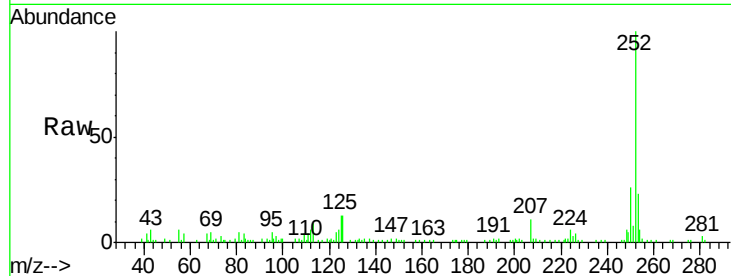




#88
Benzo(k)fluoranthene
Concen: 5.09 ng
RT: 15.13 min Scan# 1124
Delta R.T. -0.03 min
Lab File: BF085363.D
Acq: 11 Mar 2016 5:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	12.7	10.4	15.6



#89
Benzo(a)pyrene
Concen: 2.51 ng
RT: 15.50 min Scan# 1156
Delta R.T. -0.01 min
Lab File: BF085363.D
Acq: 11 Mar 2016 5:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.0
125	10.8	8.2	12.4

