

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030416\
 Data File : BF085240.D
 Acq On : 5 Mar 2016 8:39
 Operator : SJ/IZ
 Sample : H1683-08
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 07 00:03:10 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

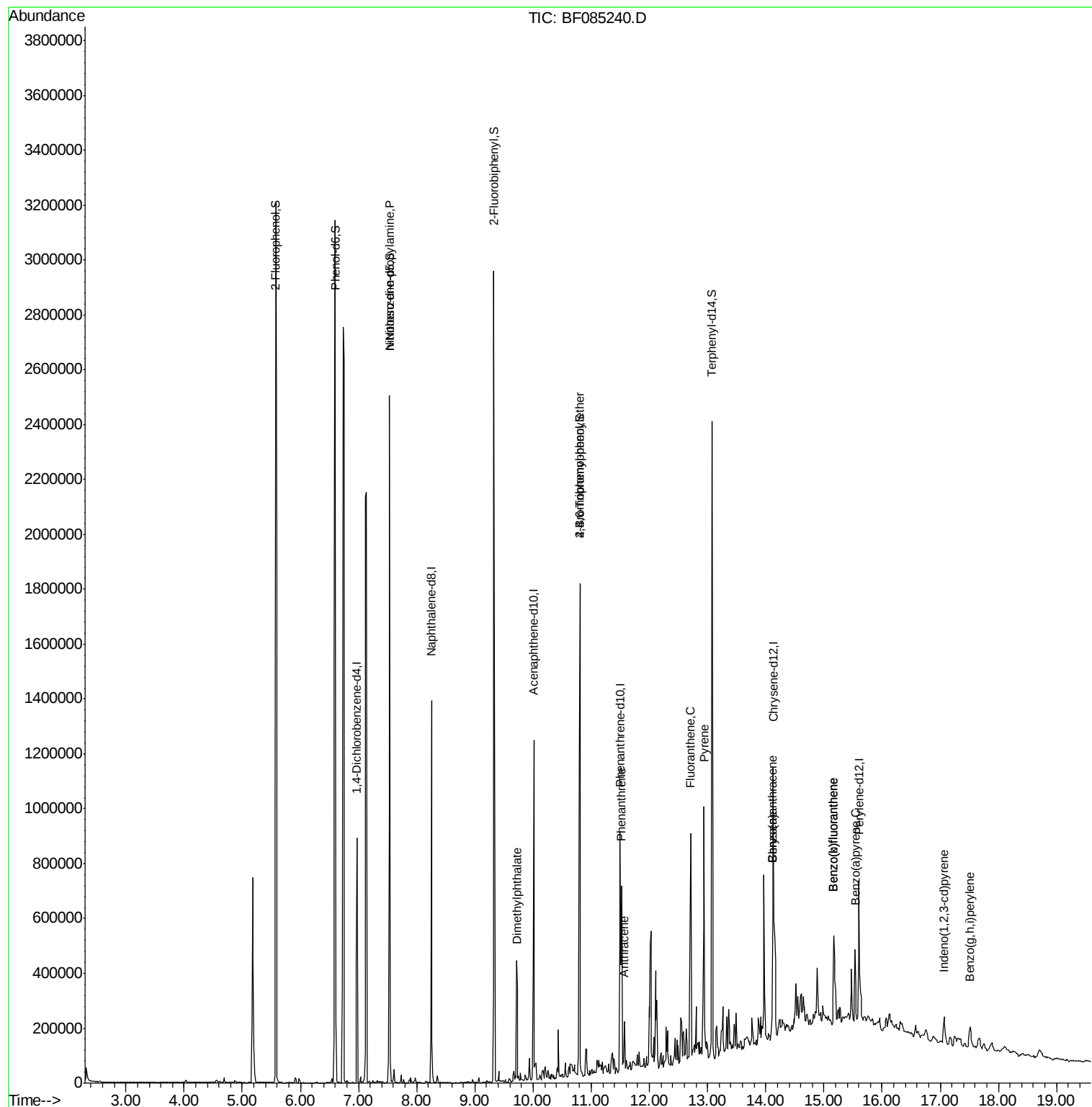
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	155775	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	584276	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	240718	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	386357	20.00	ng	-0.01
75) Chrysene-d12	14.13	240	253715	20.00	ng	-0.02
86) Perylene-d12	15.60	264	244120	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	1292941	139.22	ng	0.00
7) Phenol-d6	6.60	99	1293944	106.35	ng	-0.01
23) Nitrobenzene-d5	7.53	82	888186	81.35	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	268519	130.37	ng	-0.01
44) 2-Fluorobiphenyl	9.33	172	1116544	70.54	ng	-0.02
78) Terphenyl-d14	13.08	244	726758	66.50	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.53	70	120080	15.14	ng	# 77
49) Dimethylphthalate	9.73	163	241673	13.08	ng	98
66) 4-Bromophenyl-phenylether	10.80	248	19072	5.08	ng	# 1
70) Phenanthrene	11.52	178	312976	15.46	ng	97
71) Anthracene	11.57	178	65736	3.06	ng	98
74) Fluoranthene	12.71	202	372017	18.31	ng	96
77) Pyrene	12.94	202	427211	22.37	ng	97
80) Benzo(a)anthracene	14.12	228	223097	14.69	ng	99
82) Chrysene	14.12	228	223097	15.90	ng	97
85) Indeno(1,2,3-cd)pyrene	17.07	276	64187	5.86	ng	# 91
87) Benzo(b)fluoranthene	15.17	252	234172	14.39	ng	99
88) Benzo(k)fluoranthene	15.17	252	234172	17.84	ng	98
89) Benzo(a)pyrene	15.53	252	130539	9.68	ng	# 93
91) Benzo(g,h,i)perylene	17.51	276	62605	5.41	ng	98

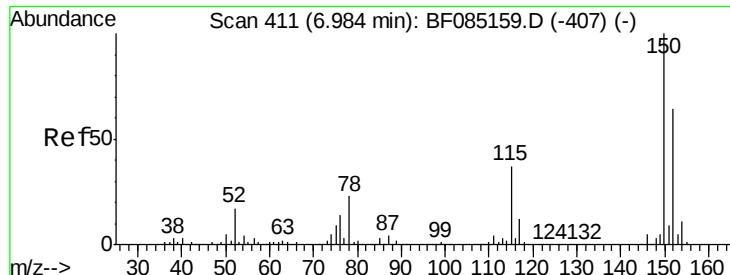
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 04 00:54:58 2016
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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: BF085240.D

Acq: 5 Mar 2016 8:39

Instrument :

BNA_F

ClientSampleId :

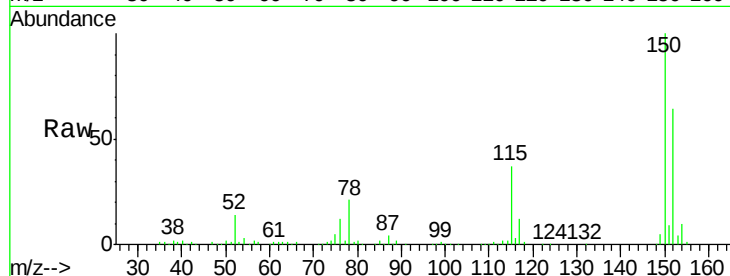
Tgt Ion:152 Resp: 155775

Ion Ratio Lower Upper

152 100

150 155.9 124.6 186.8

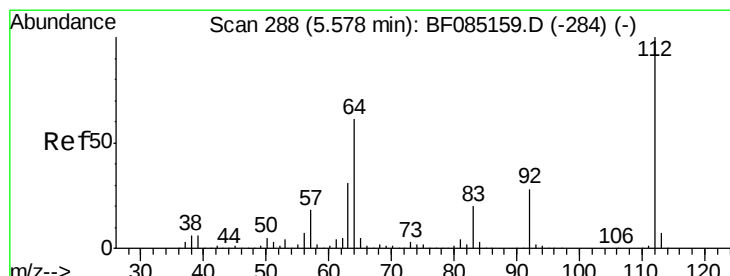
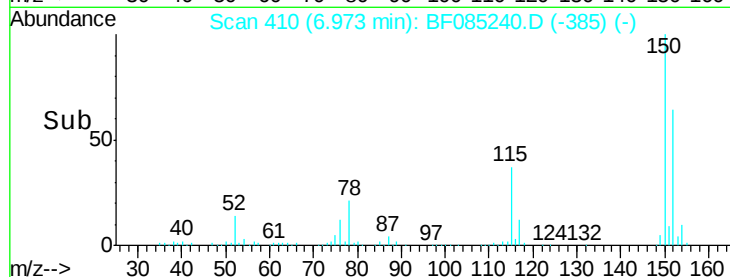
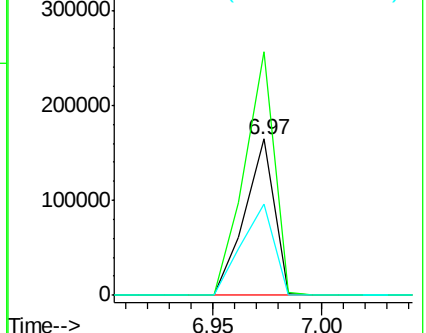
115 58.3 46.6 70.0



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: 139.22 ng

RT: 5.58 min Scan# 288

Delta R.T. 0.00 min

Lab File: BF085240.D

Acq: 5 Mar 2016 8:39

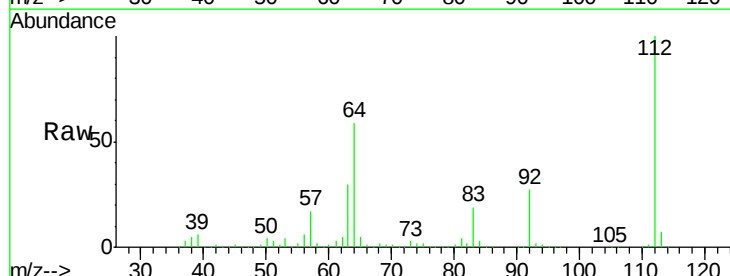
Tgt Ion:112 Resp: 1292941

Ion Ratio Lower Upper

112 100

64 58.8 49.0 73.4

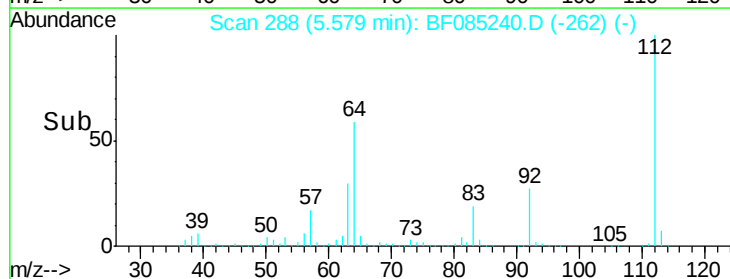
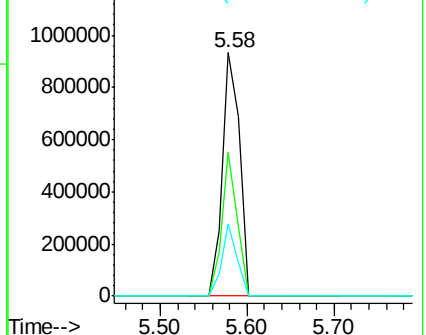
63 29.7 24.8 37.2

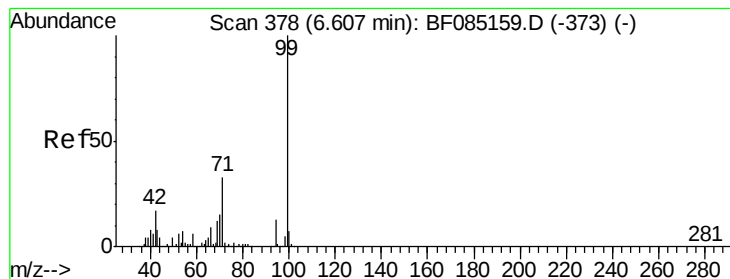


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 106.35 ng

RT: 6.60 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF085240.D

Acq: 5 Mar 2016 8:39

Instrument :

BNA_F

ClientSampleId :

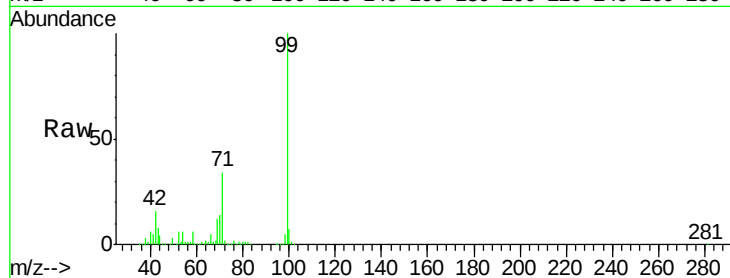
Tgt Ion: 99 Resp: 1293944

Ion Ratio Lower Upper

99 100

42 16.3 13.6 20.4

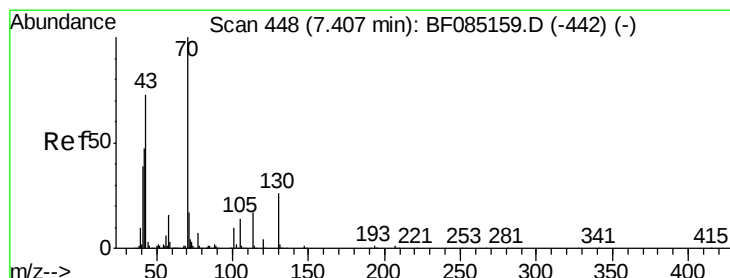
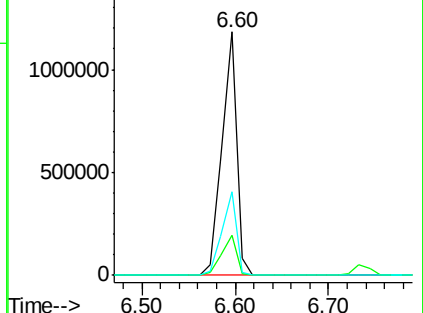
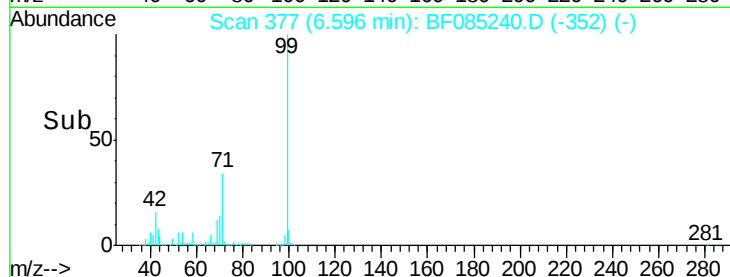
71 34.5 26.7 40.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.14 ng

RT: 7.53 min Scan# 459

Delta R.T. 0.13 min

Lab File: BF085240.D

Acq: 5 Mar 2016 8:39

Tgt Ion: 70 Resp: 120080

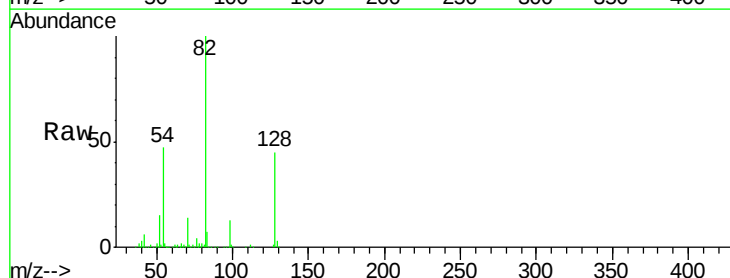
Ion Ratio Lower Upper

70 100

42 40.9 37.7 56.5

101 0.0 8.2 12.4#

130 2.1 20.5 30.7#

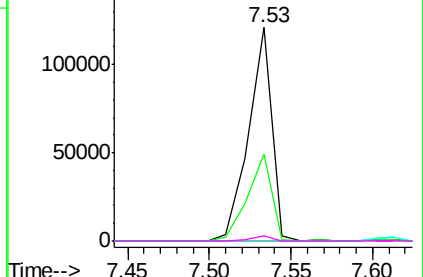
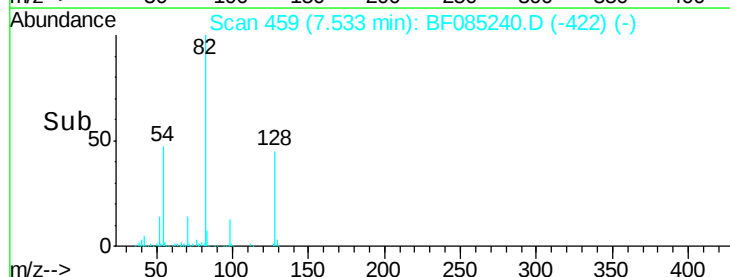


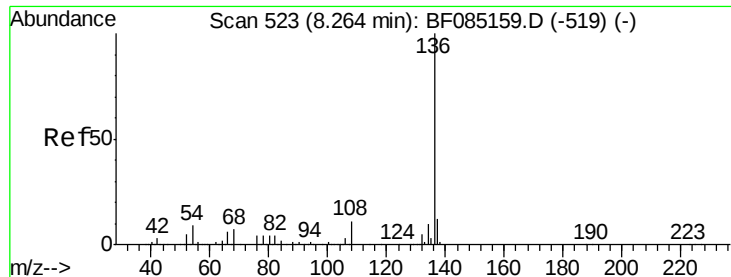
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

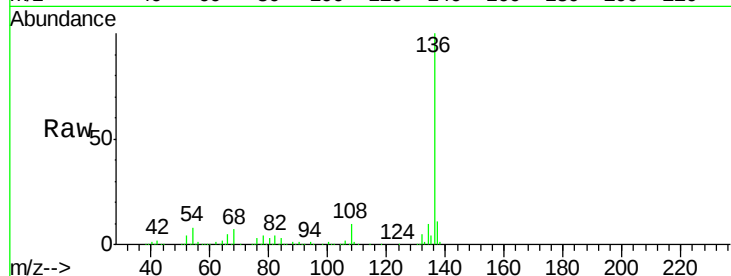




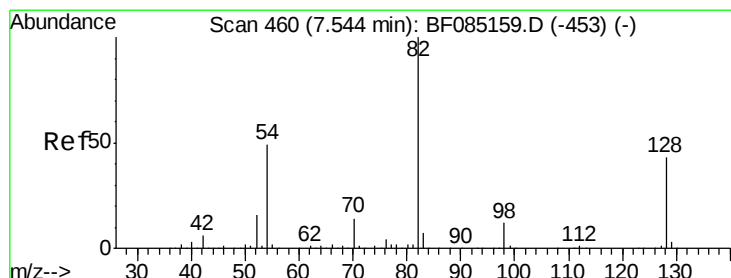
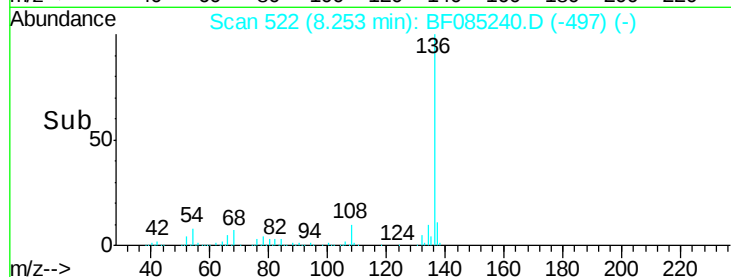
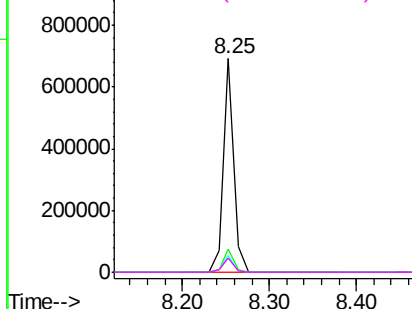
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.25 min Scan# 522
Delta R.T. -0.01 min
Lab File: BF085240.D
Acq: 5 Mar 2016 8:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:	136	Resp:	584276
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.3	13.9
54	7.7	7.4	11.2
68	6.5	6.0	9.0

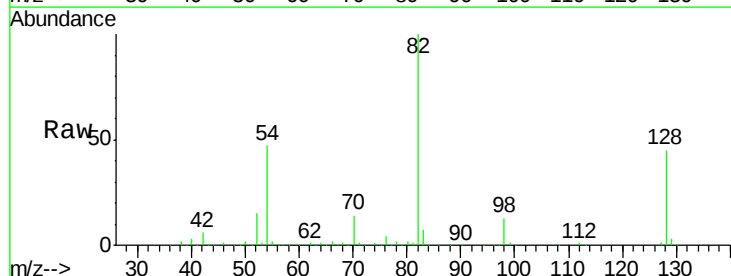


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

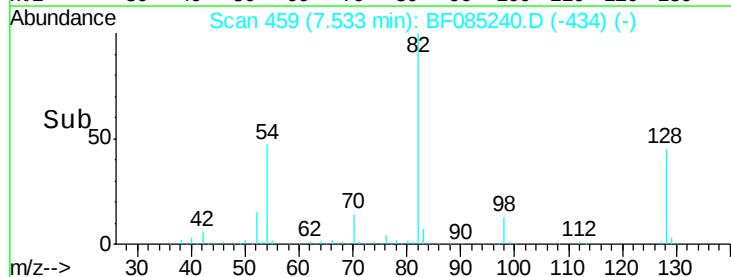
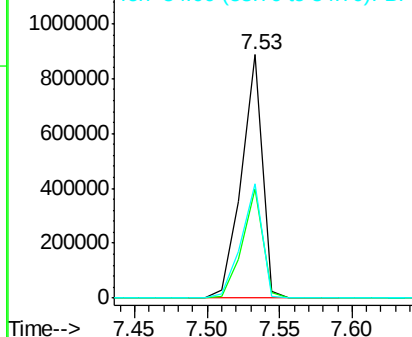


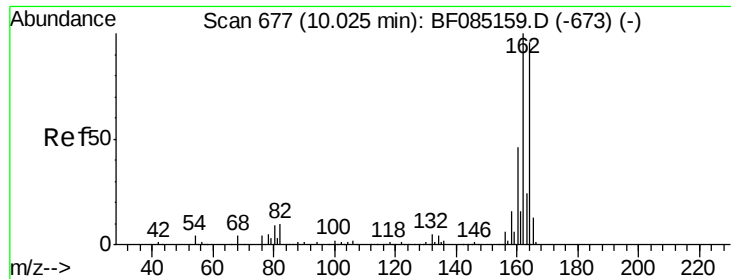
#23
Nitrobenzene-d5
Concen: 81.35 ng
RT: 7.53 min Scan# 459
Delta R.T. -0.01 min
Lab File: BF085240.D
Acq: 5 Mar 2016 8:39

Tgt Ion:	82	Resp:	888186
Ion	Ratio	Lower	Upper
82	100		
128	45.1	34.5	51.7
54	46.9	39.3	58.9



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: 10.01 min Scan# 676

Delta R.T. -0.01 min

Lab File: BF085240.D

Acq: 5 Mar 2016 8:39

Instrument :

BNA_F

ClientSampleId :

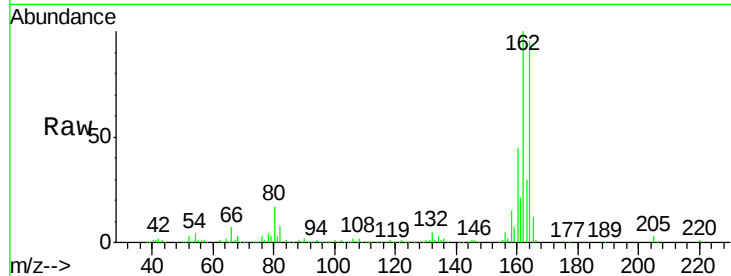
Tgt Ion:164 Resp: 240718

Ion Ratio Lower Upper

164 100

162 104.9 83.3 124.9

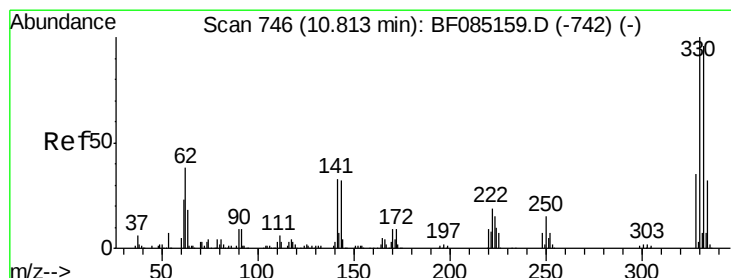
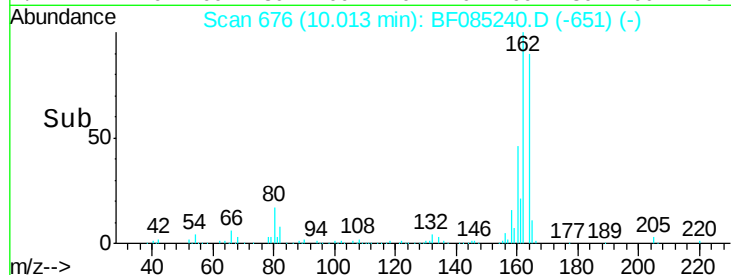
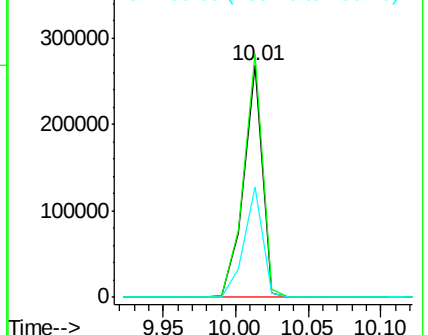
160 47.5 37.9 56.9



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: 130.37 ng

RT: 10.80 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF085240.D

Acq: 5 Mar 2016 8:39

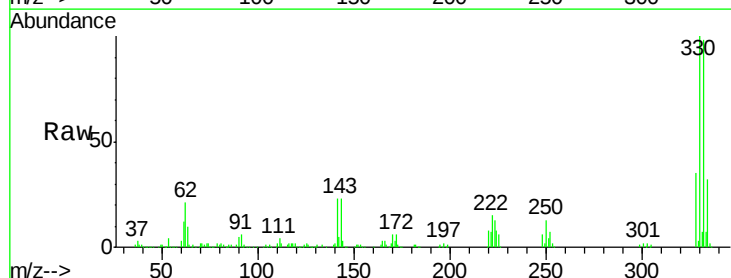
Tgt Ion:330 Resp: 268519

Ion Ratio Lower Upper

330 100

332 97.3 77.1 115.7

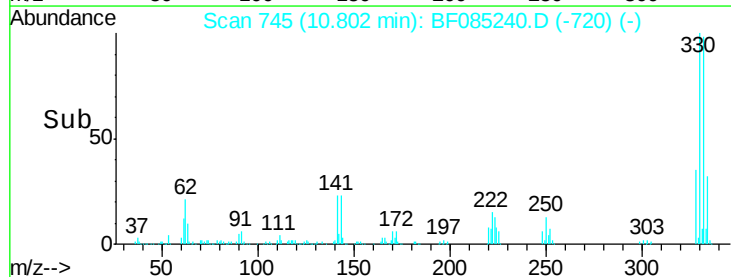
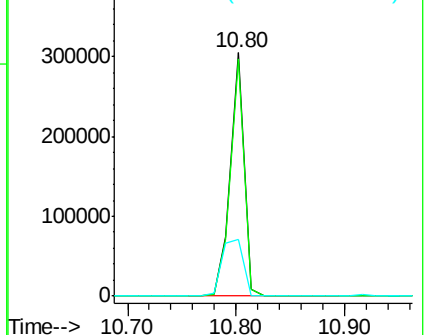
141 36.6 35.0 52.6

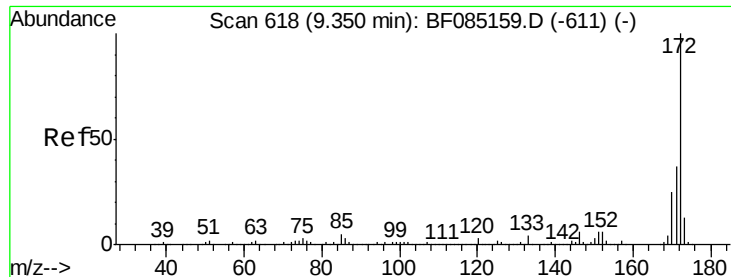


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

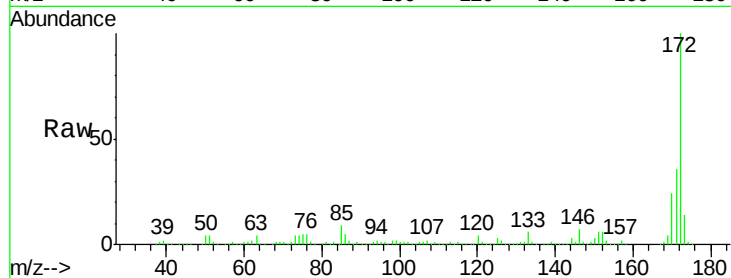




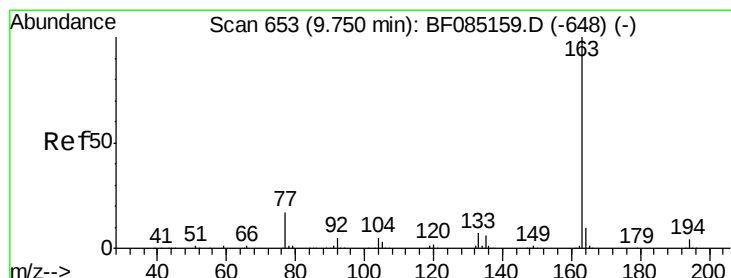
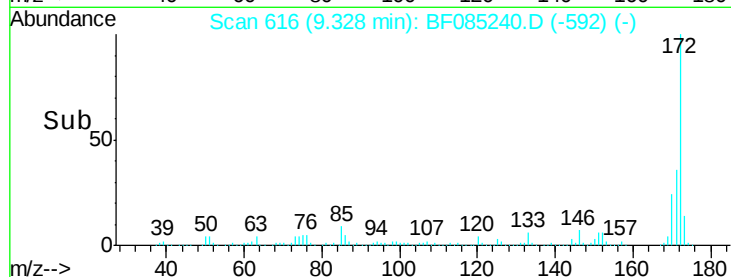
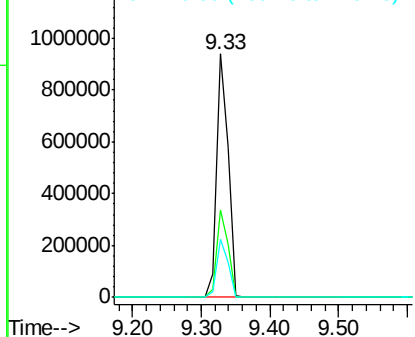
#44
 2-Fluorobiphenyl
 Concen: 70.54 ng
 RT: 9.33 min Scan# 616
 Delta R.T. -0.02 min
 Lab File: BF085240.D
 Acq: 5 Mar 2016 8:39

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:172 Resp: 1116544
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.3 43.9
 170 24.0 20.0 30.0

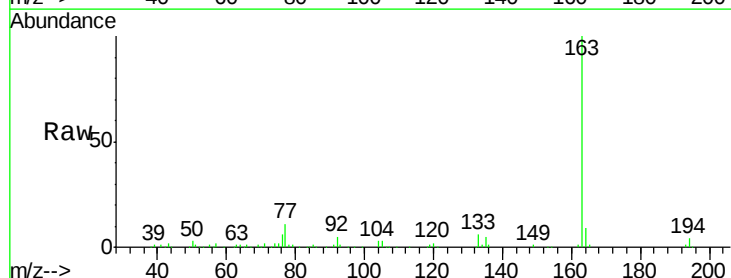


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

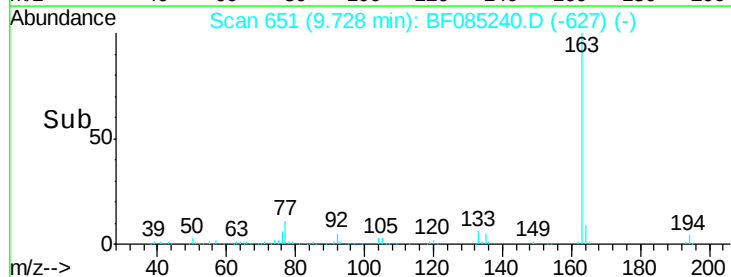
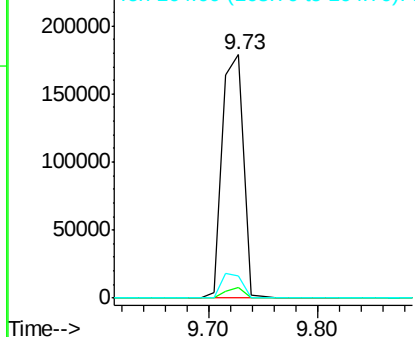


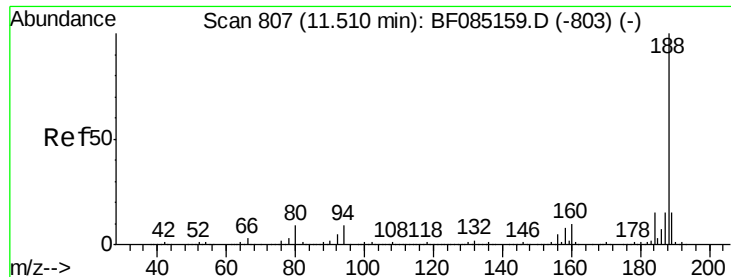
#49
 Dimethylphthalate
 Concen: 13.08 ng
 RT: 9.73 min Scan# 651
 Delta R.T. -0.02 min
 Lab File: BF085240.D
 Acq: 5 Mar 2016 8:39

Tgt Ion:163 Resp: 241673
 Ion Ratio Lower Upper
 163 100
 194 4.4 3.1 4.7
 164 9.3 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

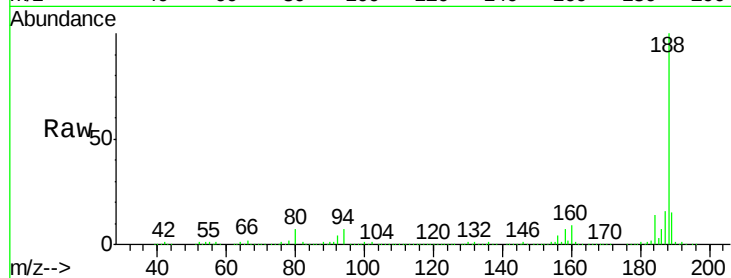




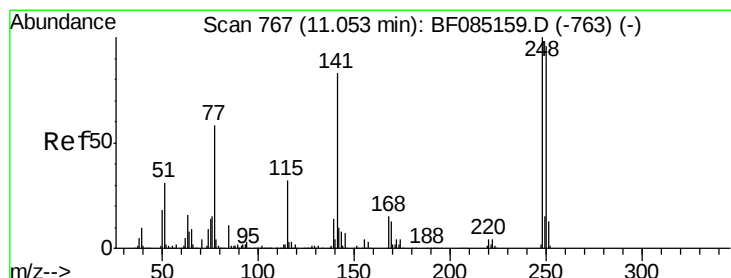
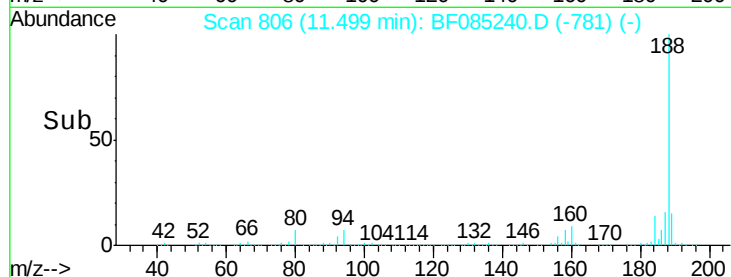
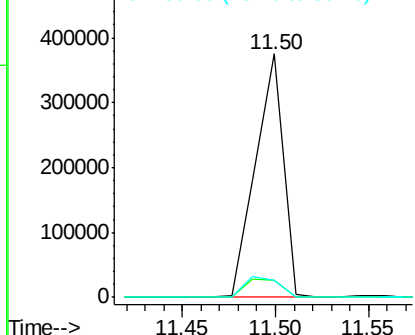
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF085240.D
Acq: 5 Mar 2016 8:39

Instrument :
BNA_F
ClientSampled :

Tgt Ion:188 Resp: 386357
Ion Ratio Lower Upper
188 100
94 7.0 7.0 10.6#
80 6.9 7.4 11.0#

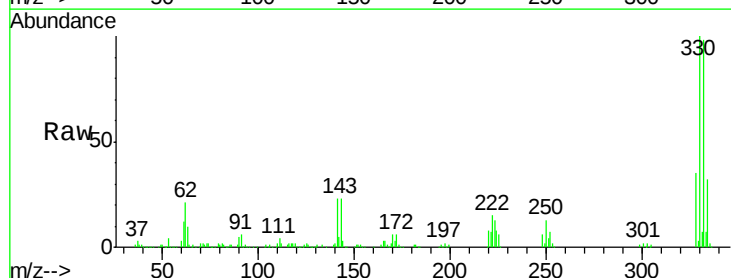


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

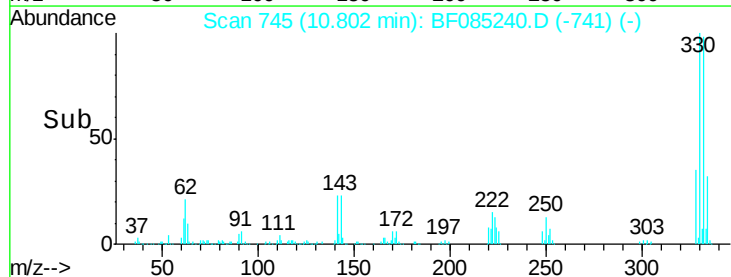
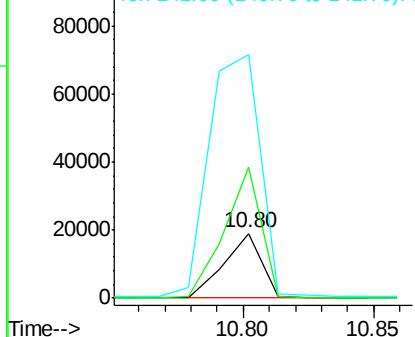


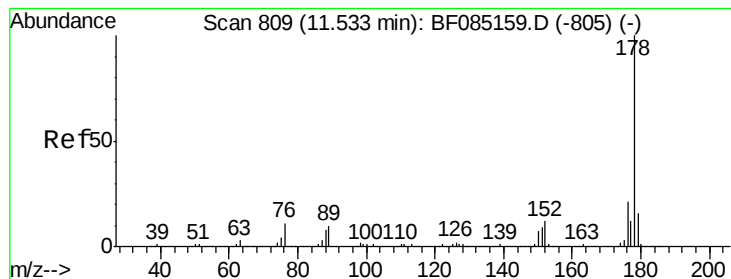
#66
4-Bromophenyl-phenylether
Concen: 5.08 ng
RT: 10.80 min Scan# 745
Delta R.T. -0.25 min
Lab File: BF085240.D
Acq: 5 Mar 2016 8:39

Tgt Ion:248 Resp: 19072
Ion Ratio Lower Upper
248 100
250 202.4 77.1 115.7#
141 376.9 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





#70

Phenanthrene

Concen: 15.46 ng

RT: 11.52 min Scan# 808

Delta R.T. -0.01 min

Lab File: BF085240.D

Acq: 5 Mar 2016 8:39

Instrument :

BNA_F

ClientSampleId :

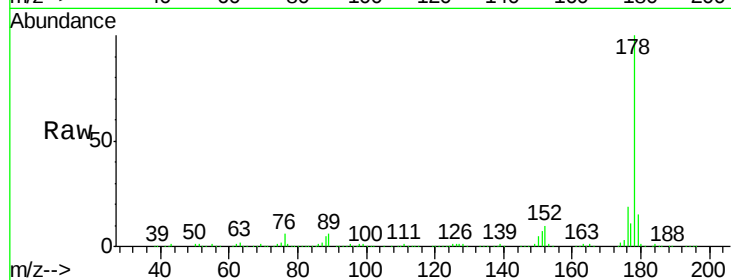
Tgt Ion:178 Resp: 312976

Ion Ratio Lower Upper

178 100

176 19.3 16.8 25.2

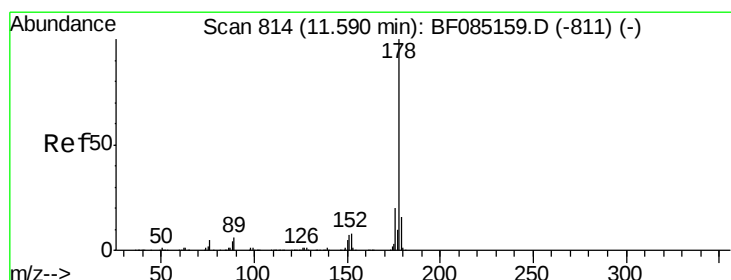
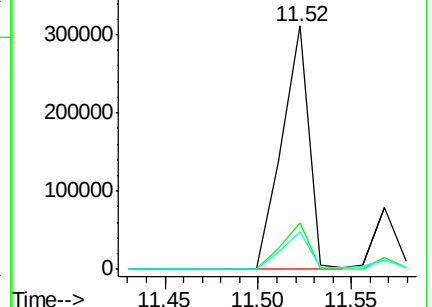
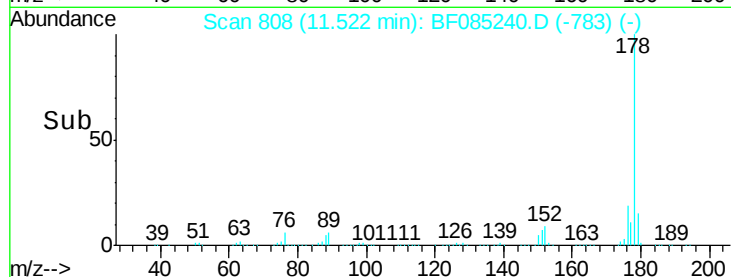
179 15.2 13.1 19.7



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



#71

Anthracene

Concen: 3.06 ng

RT: 11.57 min Scan# 812

Delta R.T. -0.02 min

Lab File: BF085240.D

Acq: 5 Mar 2016 8:39

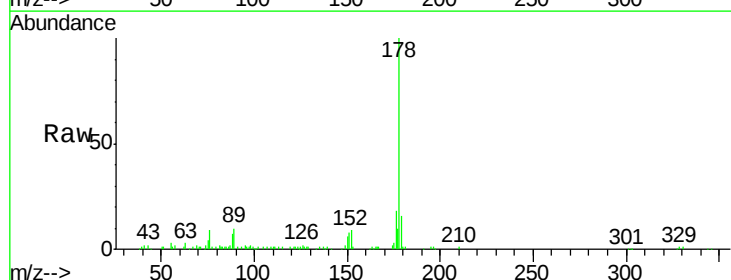
Tgt Ion:178 Resp: 65736

Ion Ratio Lower Upper

178 100

176 18.4 15.9 23.9

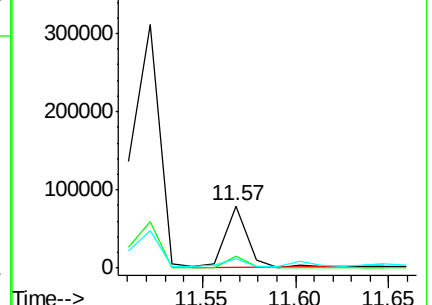
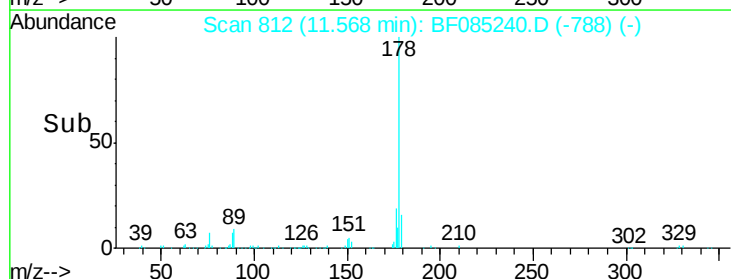
179 16.1 12.5 18.7

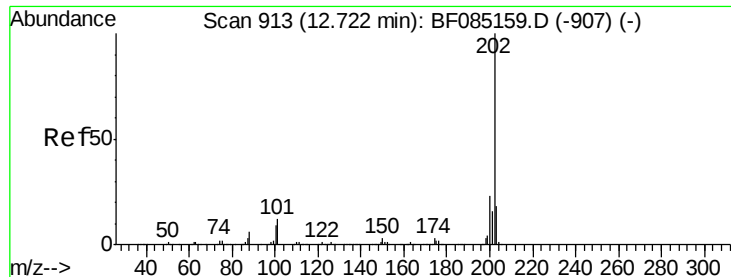


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 18.31 ng

RT: 12.71 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF085240.D

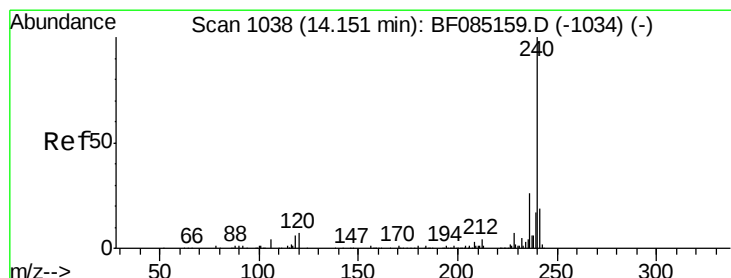
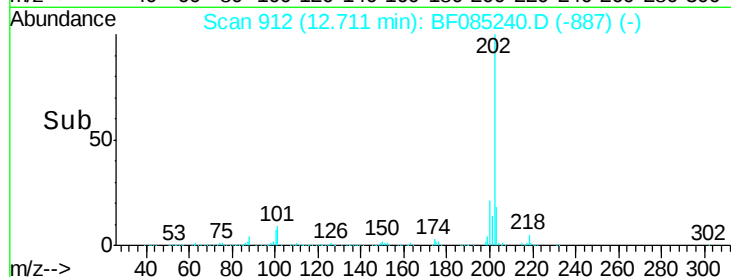
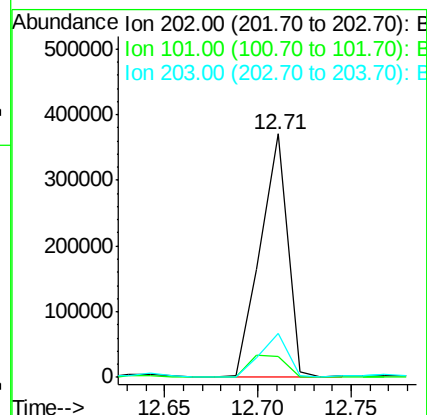
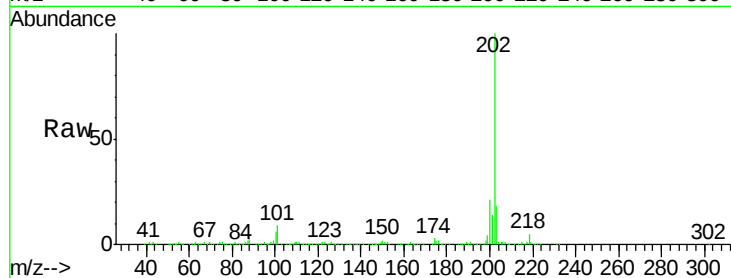
Acq: 5 Mar 2016 8:39

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	202	Resp:	372017
Ion Ratio	Lower	Upper	
202	100		
101	8.6	0.0	31.8
203	17.8	0.0	38.4



#75

Chrysene-d12

Concen: 20.00 ng

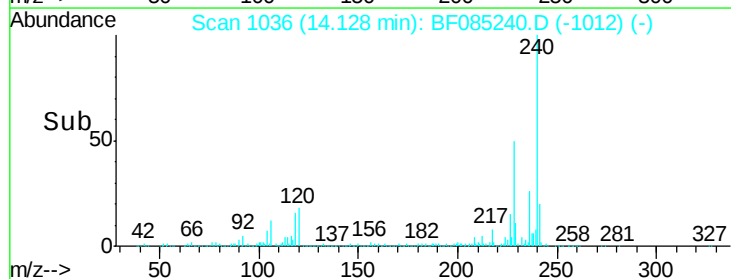
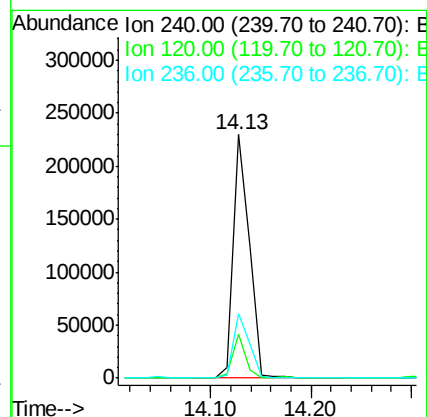
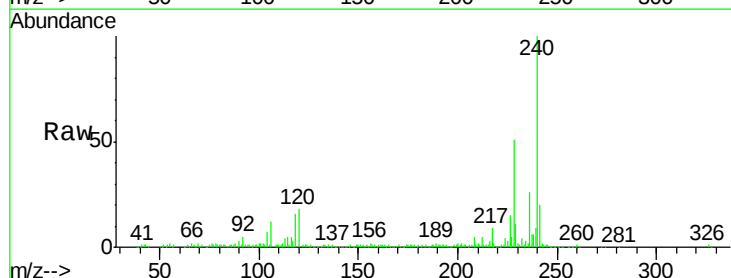
RT: 14.13 min Scan# 1036

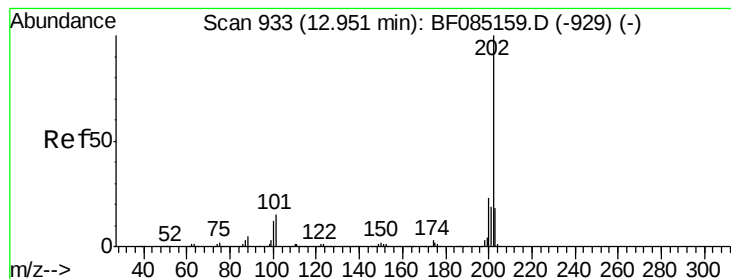
Delta R.T. -0.02 min

Lab File: BF085240.D

Acq: 5 Mar 2016 8:39

Tgt Ion:	240	Resp:	253715
Ion Ratio	Lower	Upper	
240	100		
120	18.1	5.3	7.9#
236	26.4	20.7	31.1





#77

Pyrene

Concen: 22.37 ng

RT: 12.94 min Scan# 932

Delta R.T. -0.01 min

Lab File: BF085240.D

Acq: 5 Mar 2016 8:39

Instrument :

BNA_F

ClientSampleId :

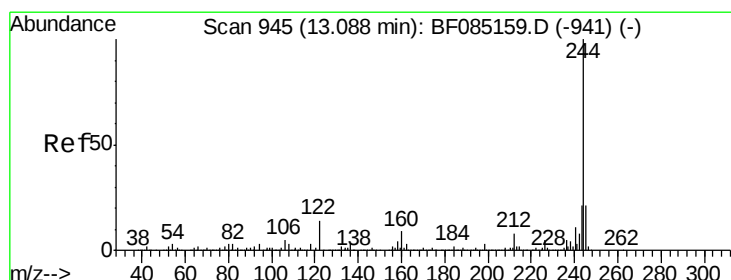
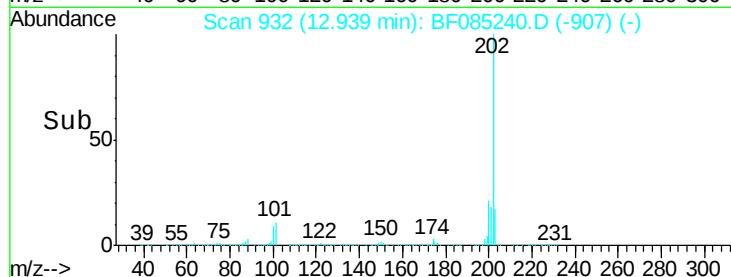
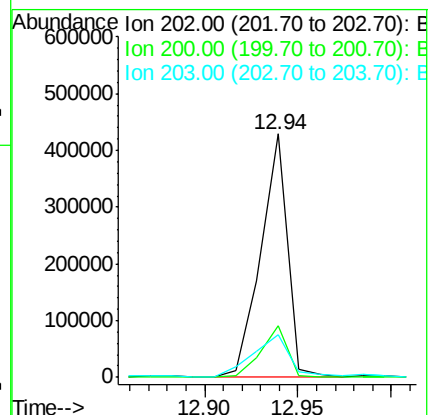
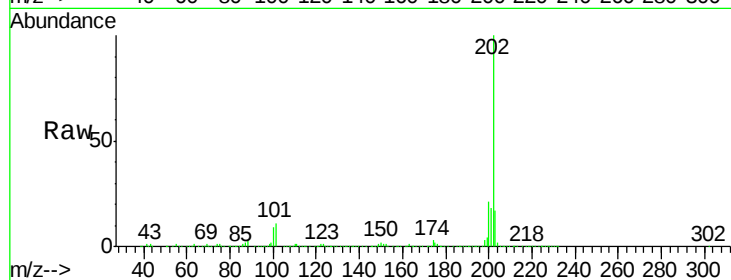
Tgt Ion:202 Resp: 427211

Ion Ratio Lower Upper

202 100

200 21.3 18.2 27.4

203 17.5 14.7 22.1



#78

Terphenyl-d14

Concen: 66.50 ng

RT: 13.08 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF085240.D

Acq: 5 Mar 2016 8:39

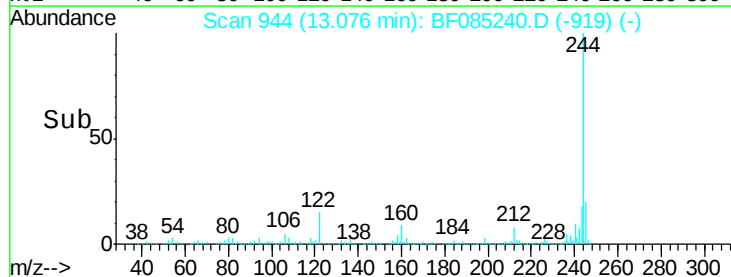
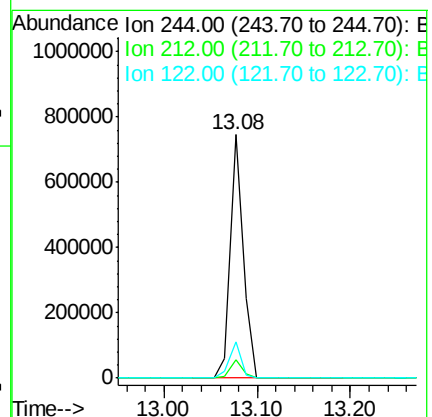
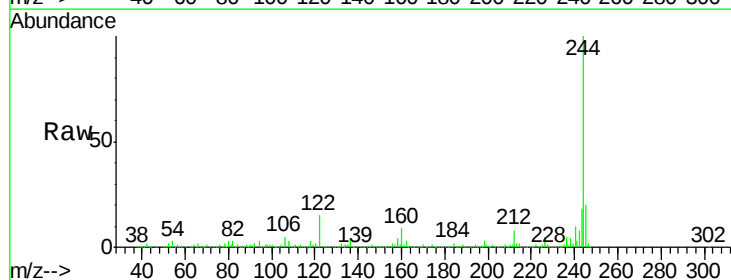
Tgt Ion:244 Resp: 726758

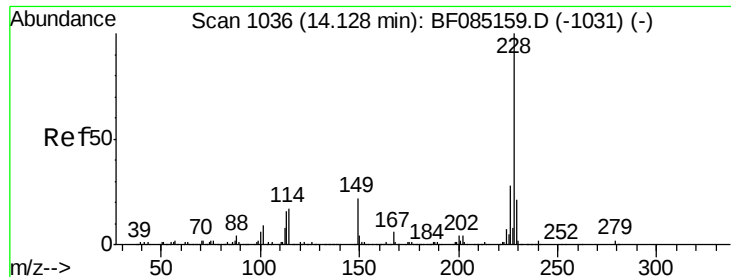
Ion Ratio Lower Upper

244 100

212 7.7 6.4 9.6

122 15.1 11.4 17.2





#80

Benzo(a)anthracene

Concen: 14.69 ng

RT: 14.12 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF085240.D

Acq: 5 Mar 2016 8:39

Instrument :

BNA_F

ClientSampleId :

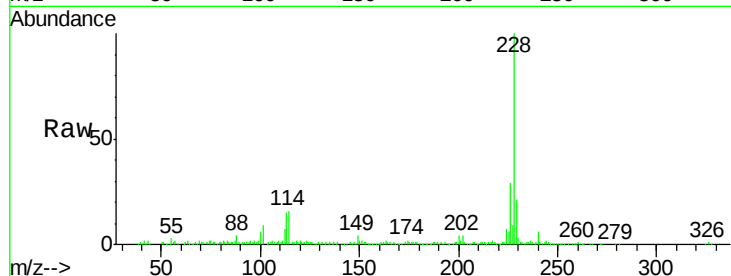
Tgt Ion:228 Resp: 223097

Ion Ratio Lower Upper

228 100

226 29.4 22.8 34.2

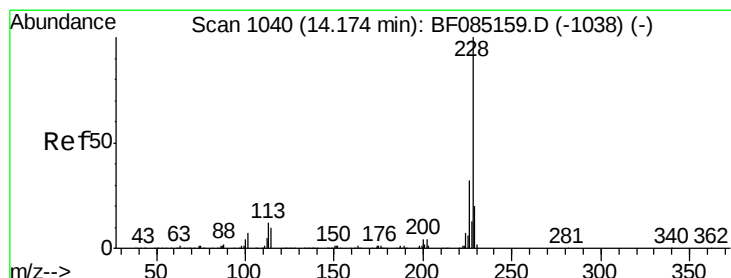
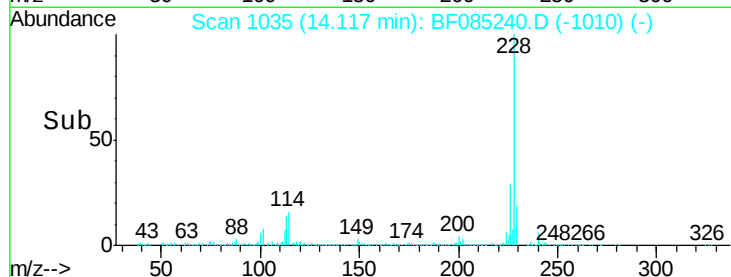
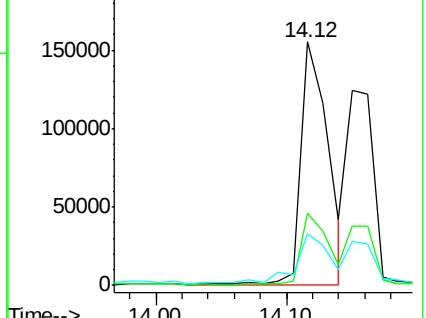
229 21.1 16.6 24.8



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: 15.90 ng

RT: 14.12 min Scan# 1035

Delta R.T. -0.06 min

Lab File: BF085240.D

Acq: 5 Mar 2016 8:39

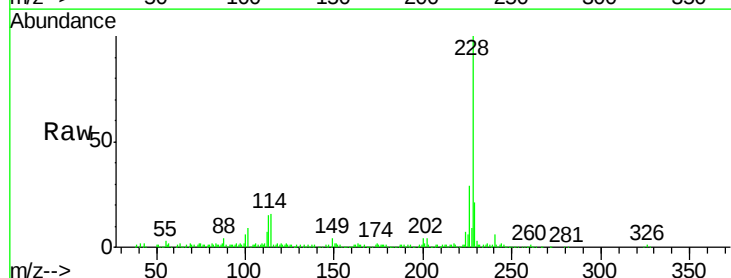
Tgt Ion:228 Resp: 223097

Ion Ratio Lower Upper

228 100

226 29.4 25.2 37.8

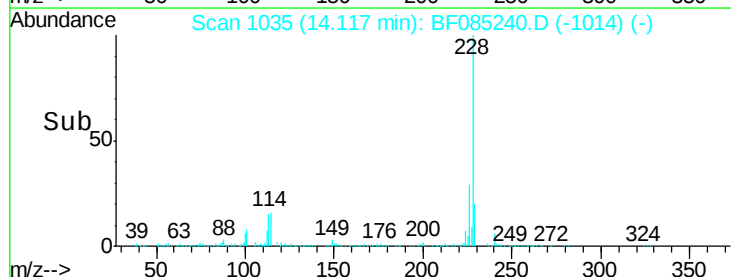
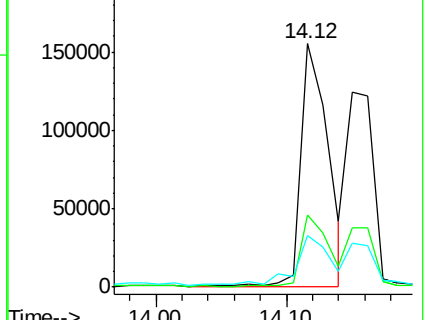
229 21.1 16.0 24.0

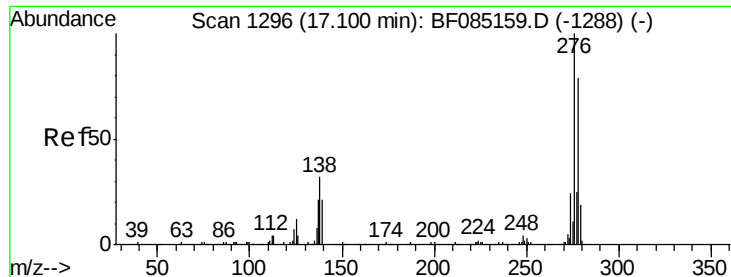


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

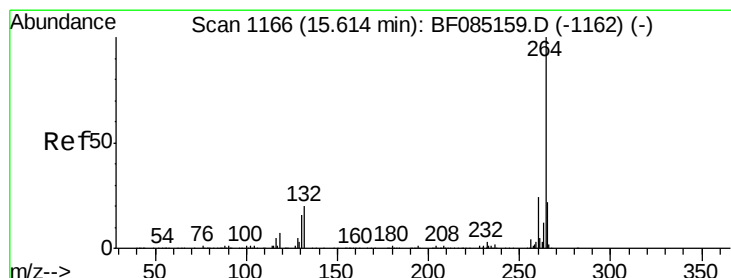
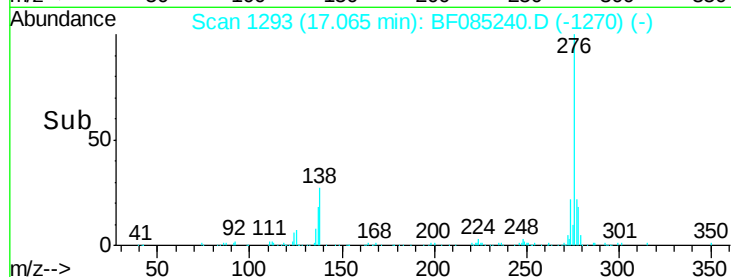
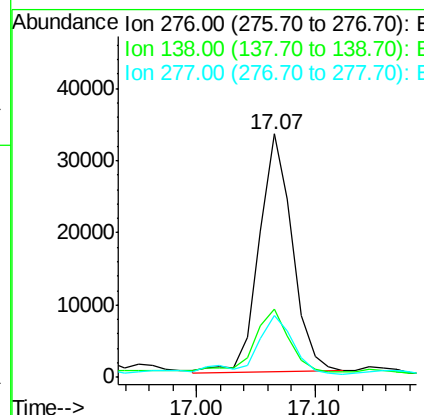
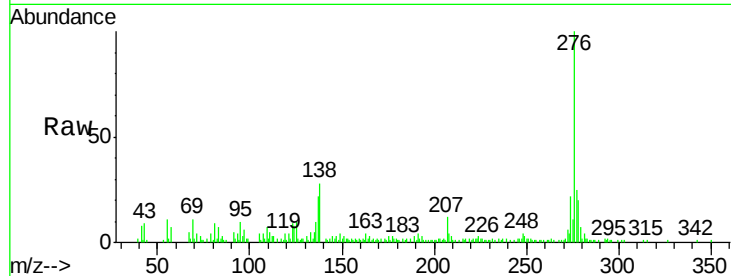




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.86 ng
 RT: 17.07 min Scan# 1293
 Delta R.T. -0.03 min
 Lab File: BF085240.D
 Acq: 5 Mar 2016 8:39

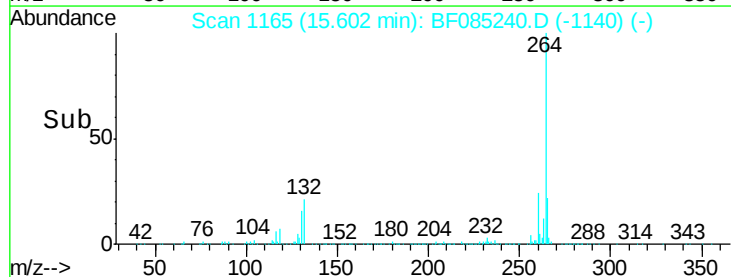
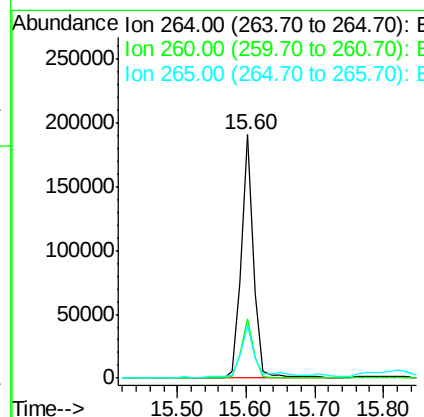
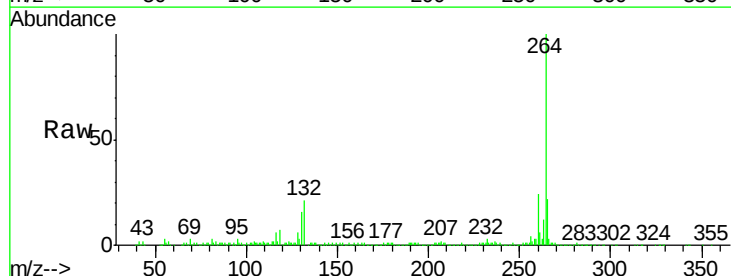
Instrument :
 BNA_F
 ClientSampleId :

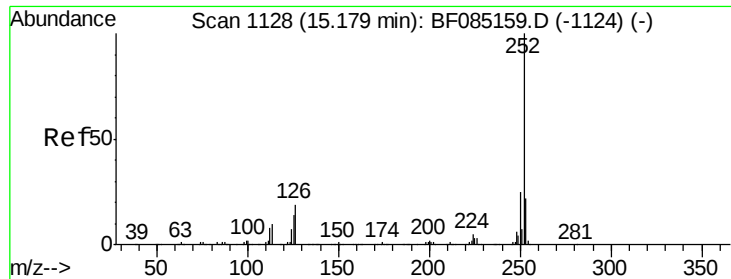
Tgt Ion:276 Resp: 64187
 Ion Ratio Lower Upper
 276 100
 138 28.0 26.4 39.6
 277 30.3 20.2 30.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.60 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: BF085240.D
 Acq: 5 Mar 2016 8:39

Tgt Ion:264 Resp: 244120
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.2 28.8
 265 22.0 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 14.39 ng

RT: 15.17 min Scan# 1127

Delta R.T. -0.01 min

Lab File: BF085240.D

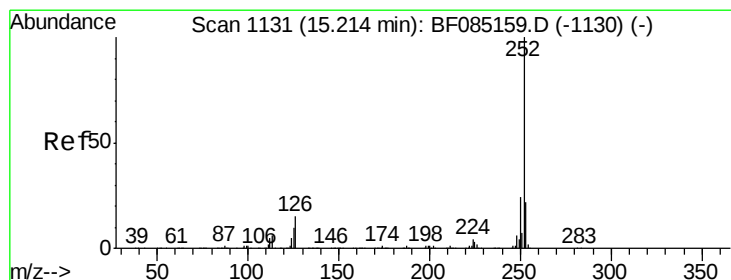
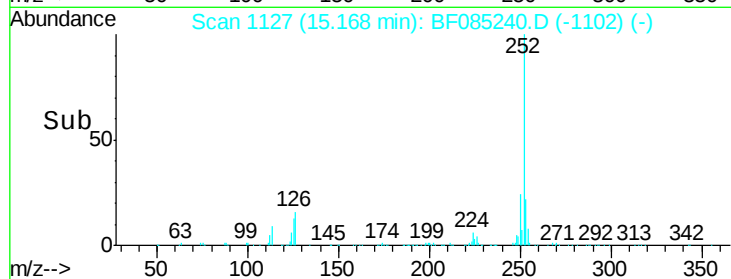
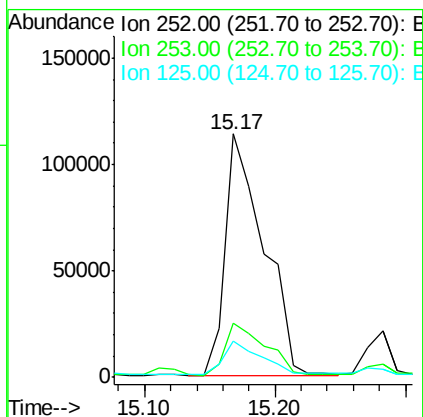
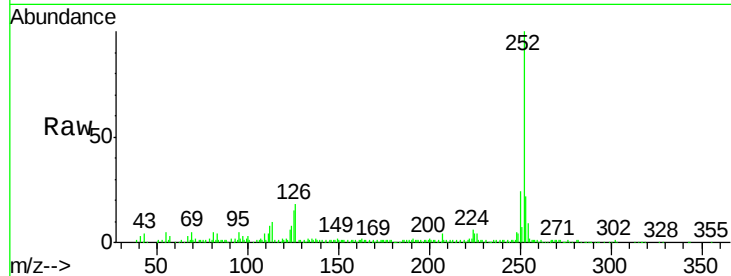
Acq: 5 Mar 2016 8:39

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	252	Resp:	234172
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.8	26.6
125	14.9	11.3	16.9



#88

Benzo(k)fluoranthene

Concen: 17.84 ng

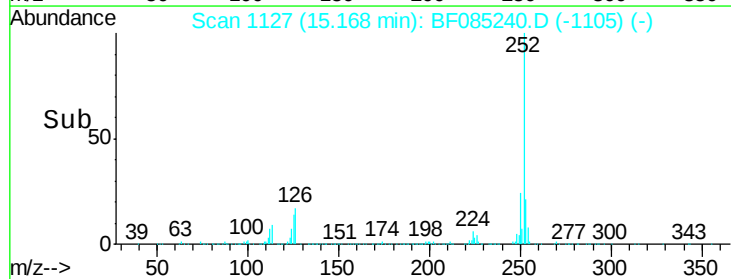
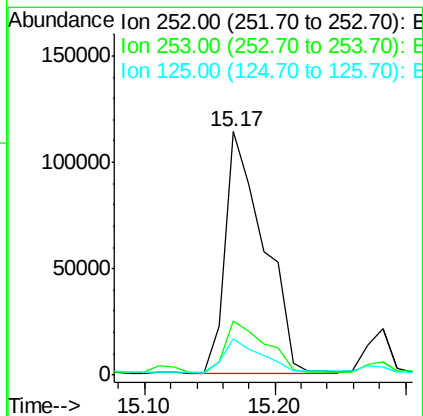
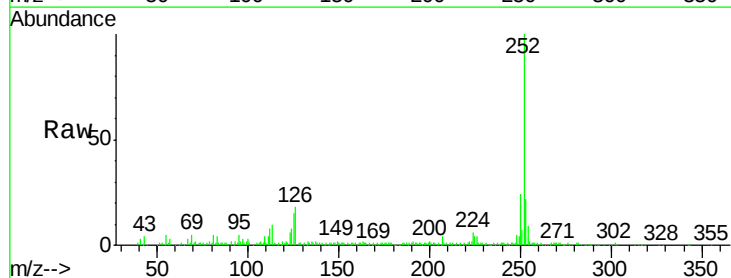
RT: 15.17 min Scan# 1127

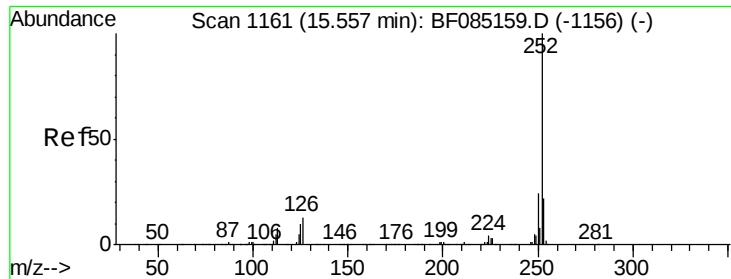
Delta R.T. -0.05 min

Lab File: BF085240.D

Acq: 5 Mar 2016 8:39

Tgt Ion:	252	Resp:	234172
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.8	26.6
125	14.9	10.4	15.6





#89

Benzo(a)pyrene

Concen: 9.68 ng

RT: 15.53 min Scan# 1159

Delta R.T. -0.02 min

Lab File: BF085240.D

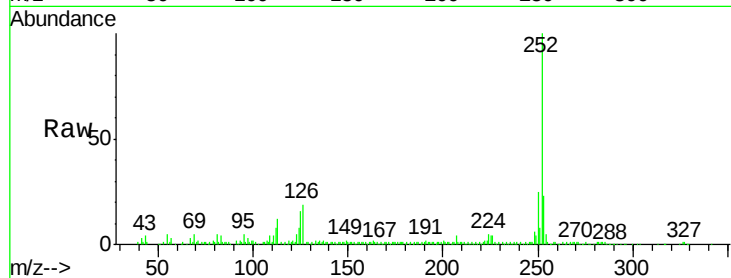
Acq: 5 Mar 2016 8:39

Instrument :

BNA_F

ClientSampleId :

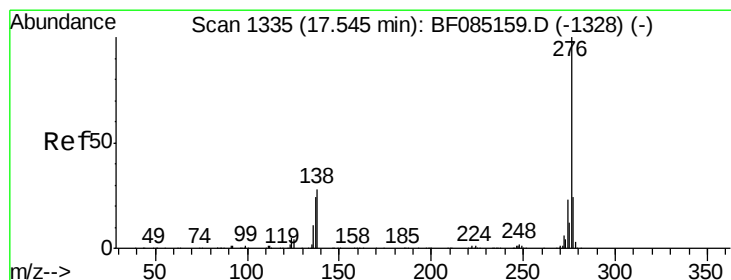
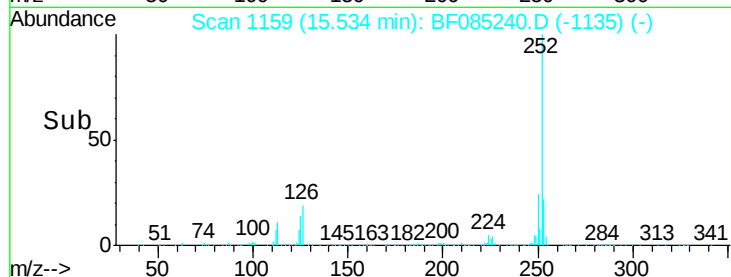
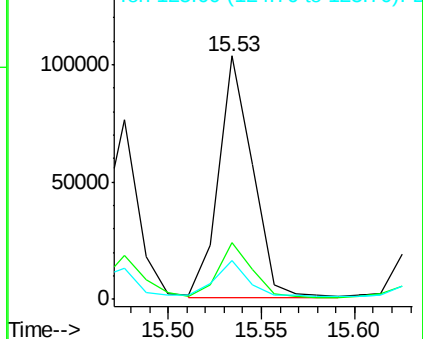
Tgt Ion:	252	Resp:	130539
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.4	26.0
125	16.0	8.2	12.4#



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



#91

Benzo(g,h,i)perylene

Concen: 5.41 ng

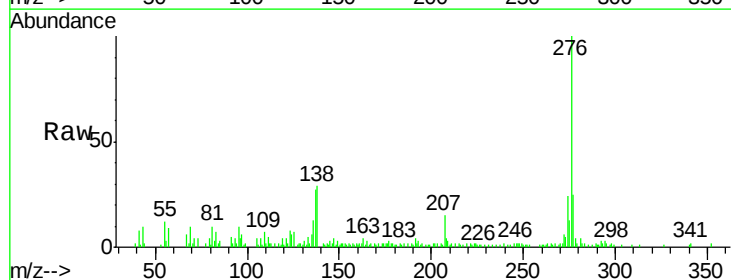
RT: 17.51 min Scan# 1332

Delta R.T. -0.03 min

Lab File: BF085240.D

Acq: 5 Mar 2016 8:39

Tgt Ion:	276	Resp:	62605
Ion Ratio	Lower	Upper	
276	100		
277	25.4	19.0	28.4
138	28.9	22.5	33.7



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

