

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040616\
 Data File : BF086109.D
 Acq On : 6 Apr 2016 20:32
 Operator : UM/SJ
 Sample : H2254-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-19

Quant Time: Apr 07 01:13:18 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	145959	20.00	ng	-0.03
21) Naphthalene-d8	8.03	136	577276	20.00	ng	-0.03
38) Acenaphthene-d10	9.78	164	225015	20.00	ng	-0.03
63) Phenanthrene-d10	11.26	188	356184	20.00	ng	-0.03
75) Chrysene-d12	13.89	240	334505	20.00	ng	-0.03
86) Perylene-d12	15.30	264	307292	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	821167	96.17	ng	-0.02
7) Phenol-d6	6.40	99	1058102	97.55	ng	-0.02
23) Nitrobenzene-d5	7.31	82	552305	56.42	ng	-0.03
41) 2,4,6-Tribromophenol	10.57	330	149667	70.87	ng	-0.03
44) 2-Fluorobiphenyl	9.10	172	800906	59.18	ng	-0.03
78) Terphenyl-d14	12.84	244	566496	39.81	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.31	70	73760	10.97	ng	# 78
25) Isophorone	7.31	82	500605	25.91	ng	# 68
49) Dimethylphthalate	9.50	163	215454	12.92	ng	99
56) 2,4-Dinitrotoluene	9.78	165	28724	6.44	ng	# 37
66) 4-Bromophenyl-phenylether	10.57	248	10458	2.88	ng	# 1
74) Fluoranthene	12.48	202	66916	3.31	ng	91
77) Pyrene	12.70	202	64730	2.75	ng	99
79) Butylbenzylphthalate	13.35	149	34284	3.23	ng	# 78
80) Benzo(a)anthracene	13.89	228	45223	2.29	ng	# 88
82) Chrysene	13.89	228	44436	2.34	ng	92
83) Bis(2-ethylhexyl)phthalate	13.88	149	121414	8.62	ng	# 90
87) Benzo(b)fluoranthene	14.91	252	76250	3.94	ng	96
88) Benzo(k)fluoranthene	14.91	252	76250	4.45	ng	# 93
89) Benzo(a)pyrene	15.24	252	39854	2.33	ng	# 94

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

```
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Misc      :  
ALS Vial  : 20      Sample Multiplier: 1
```



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF086109.D

Acq: 6 Apr 2016 20:32

Instrument :

BNA_F

ClientSampleId :

SP-19

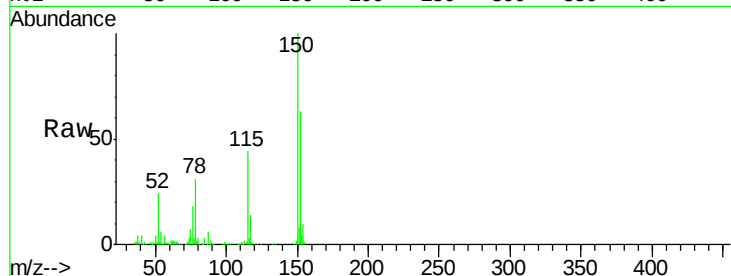
Tgt Ion:152 Resp: 145959

Ion Ratio Lower Upper

152 100

150 158.1 124.2 186.2

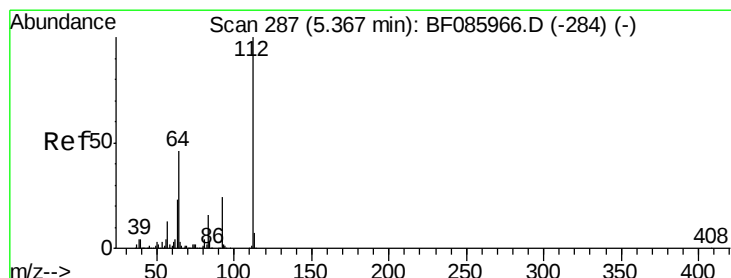
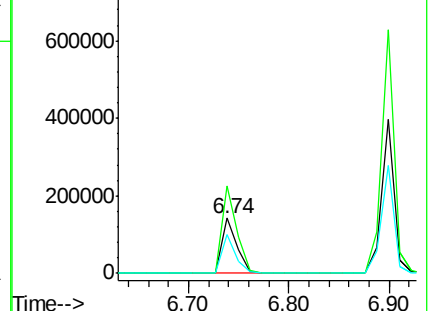
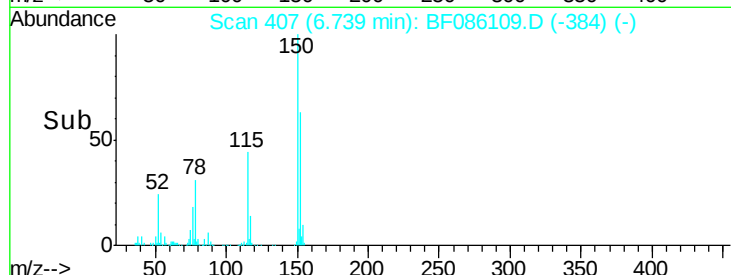
115 69.6 47.0 70.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 96.17 ng

RT: 5.34 min Scan# 285

Delta R.T. -0.02 min

Lab File: BF086109.D

Acq: 6 Apr 2016 20:32

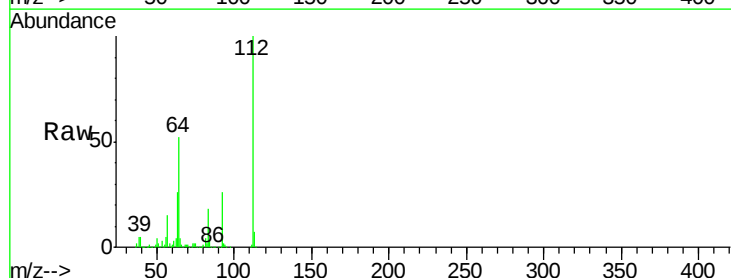
Tgt Ion:112 Resp: 821167

Ion Ratio Lower Upper

112 100

64 52.1 39.9 59.9

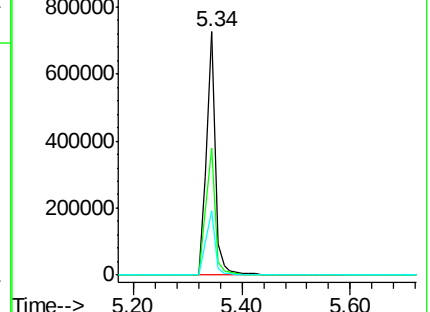
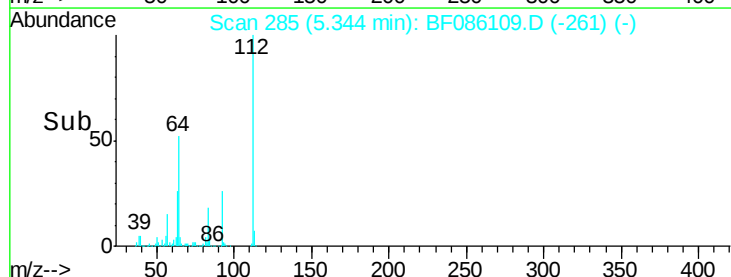
63 26.2 20.2 30.2



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: 97.55 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF086109.D

Acq: 6 Apr 2016 20:32

Instrument :

BNA_F

ClientSampleId :

SP-19

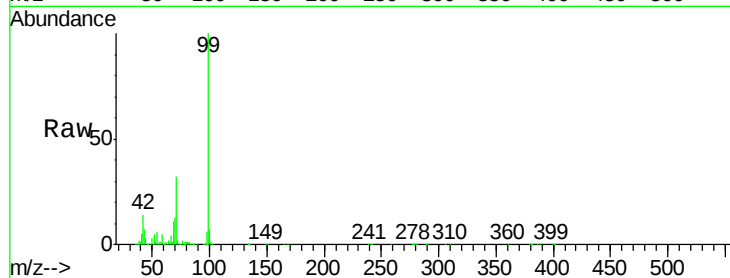
Tgt Ion: 99 Resp: 1058102

Ion Ratio Lower Upper

99 100

42 13.7 11.1 16.7

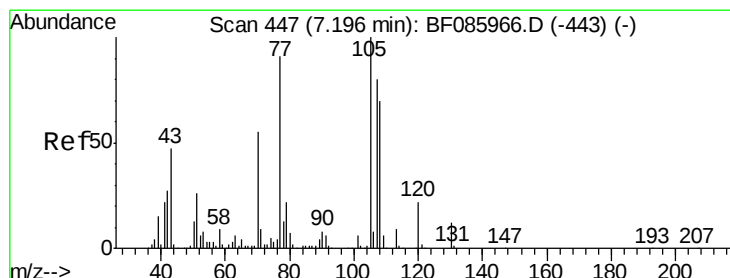
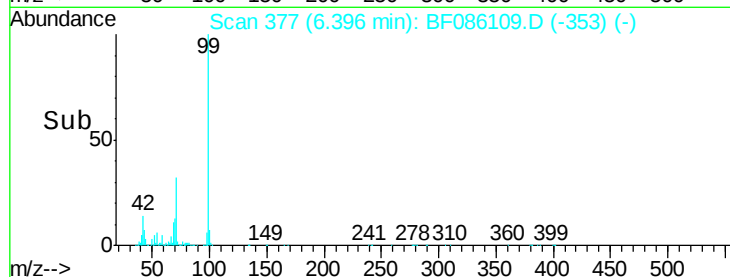
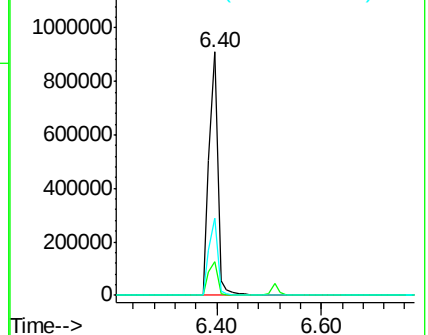
71 31.6 24.9 37.3



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: 10.97 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.11 min

Lab File: BF086109.D

Acq: 6 Apr 2016 20:32

Tgt Ion: 70 Resp: 73760

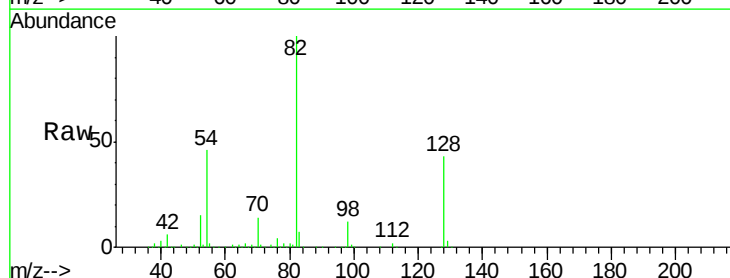
Ion Ratio Lower Upper

70 100

42 40.6 37.1 55.7

101 0.0 8.6 12.8#

130 2.3 19.6 29.4#

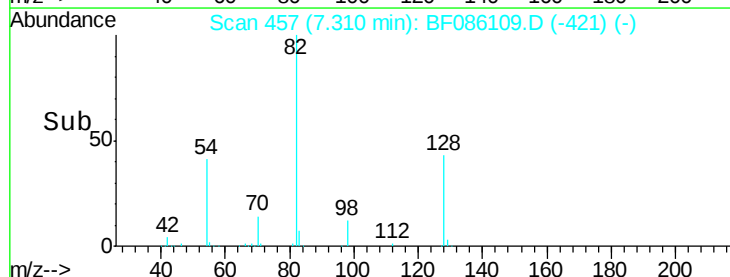
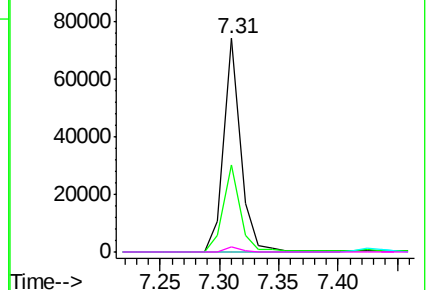


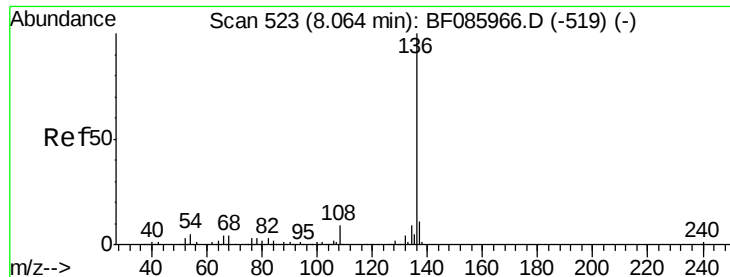
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

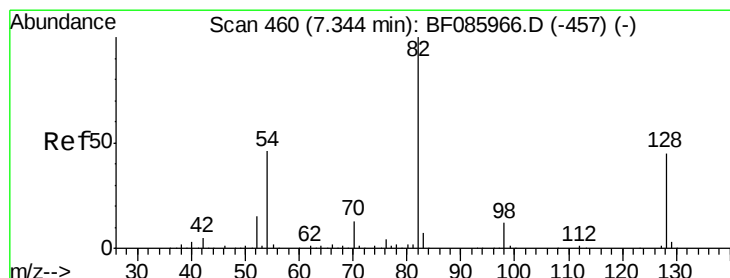
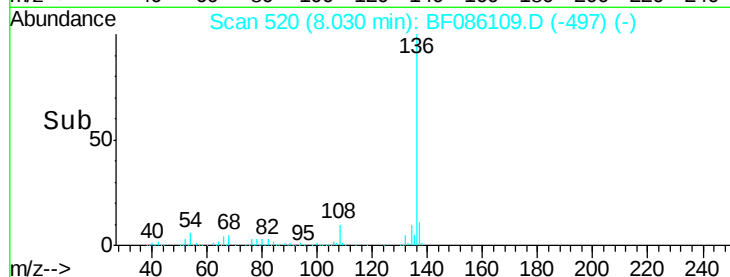
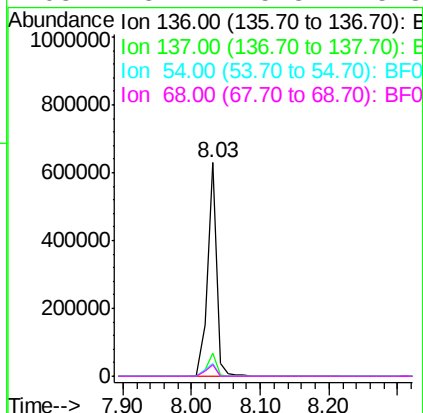
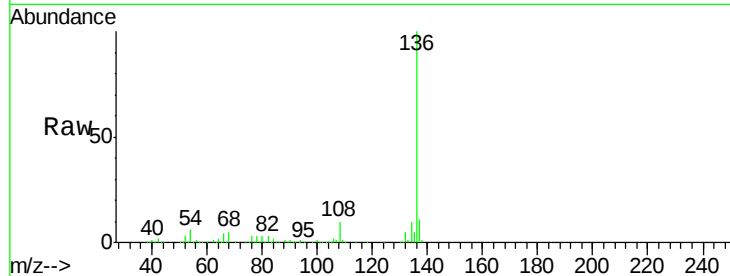




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.03 min
Lab File: BF086109.D
Acq: 6 Apr 2016 20:32

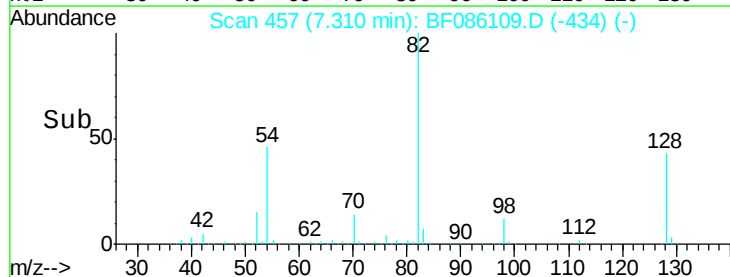
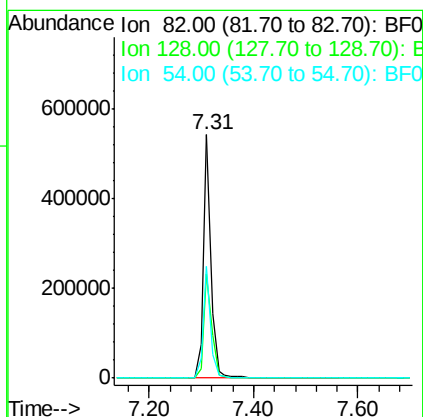
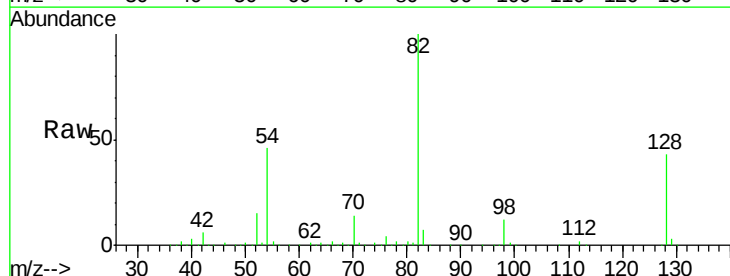
Instrument :
BNA_F
ClientSampleId :
SP-19

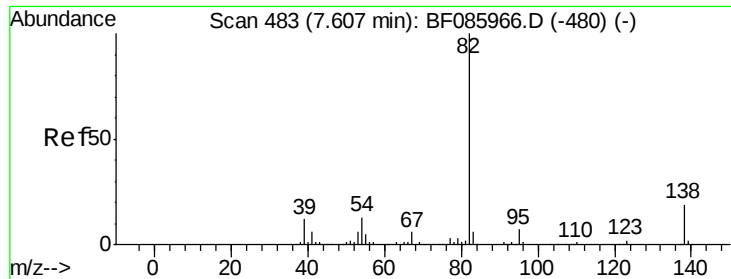
Tgt Ion:	136	Resp:	577276
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	6.1	7.4	11.0#
68	5.2	5.8	8.8#



#23
Nitrobenzene-d5
Concen: 56.42 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.03 min
Lab File: BF086109.D
Acq: 6 Apr 2016 20:32

Tgt Ion:	82	Resp:	552305
Ion	Ratio	Lower	Upper
82	100		
128	43.0	41.8	62.8
54	46.0	33.4	50.0





#25

Isophorone

Concen: 25.91 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.30 min

Lab File: BF086109.D

Acq: 6 Apr 2016 20:32

Instrument :

BNA_F

ClientSampleId :

SP-19

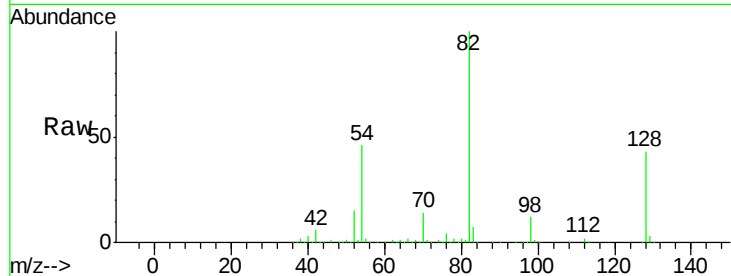
Tgt Ion: 82 Resp: 500605

Ion Ratio Lower Upper

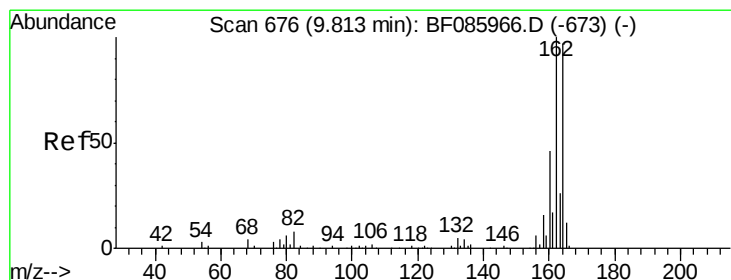
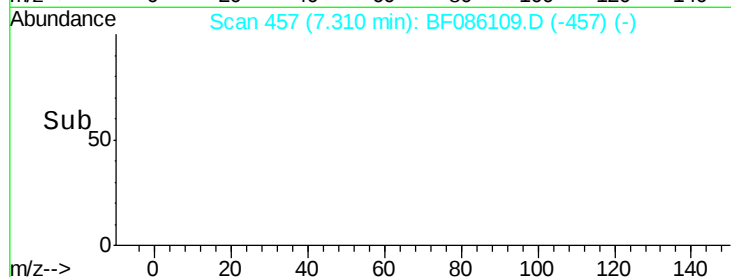
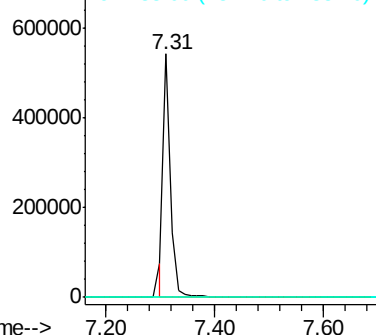
82 100

95 0.0 5.4 8.2#

138 0.0 12.9 19.3#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.03 min

Lab File: BF086109.D

Acq: 6 Apr 2016 20:32

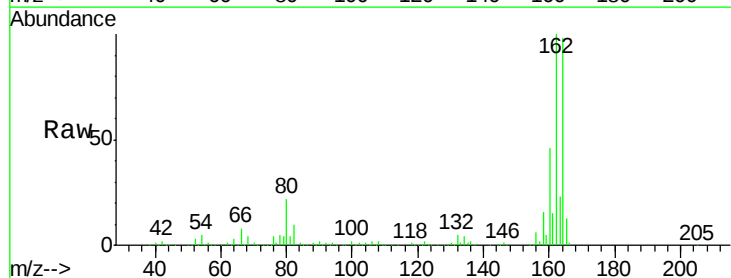
Tgt Ion: 164 Resp: 225015

Ion Ratio Lower Upper

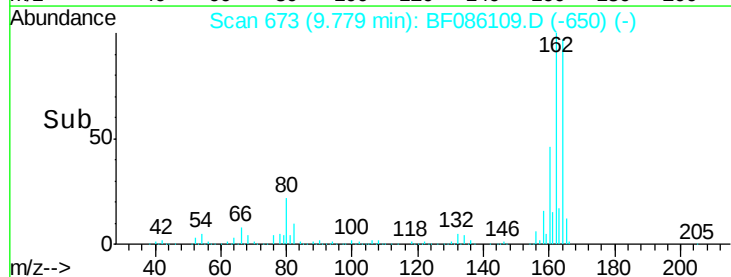
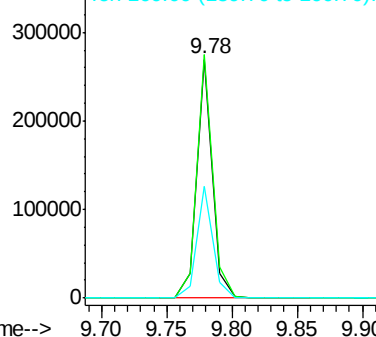
164 100

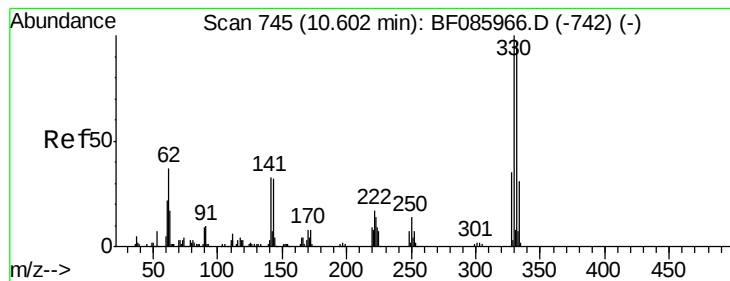
162 102.1 82.1 123.1

160 46.9 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: 70.87 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.03 min

Lab File: BF086109.D

Acq: 6 Apr 2016 20:32

Instrument :

BNA_F

ClientSampleId :

SP-19

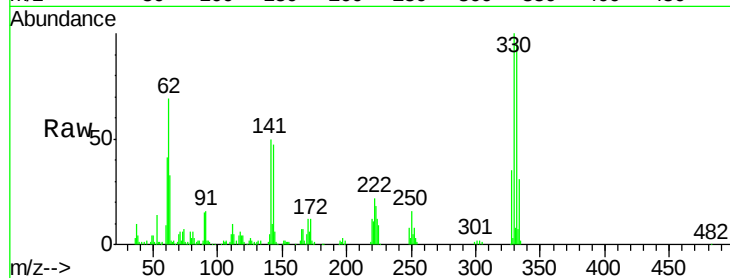
Tgt Ion:330 Resp: 149667

Ion Ratio Lower Upper

330 100

332 96.2 78.2 117.2

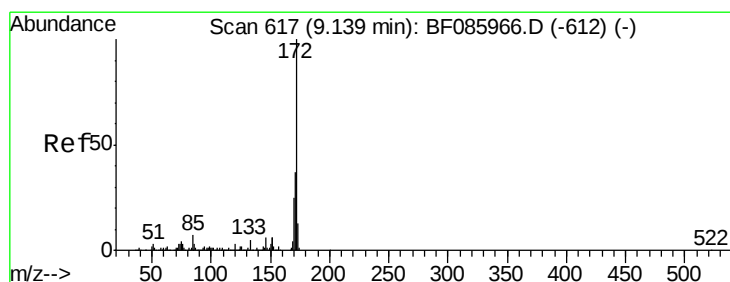
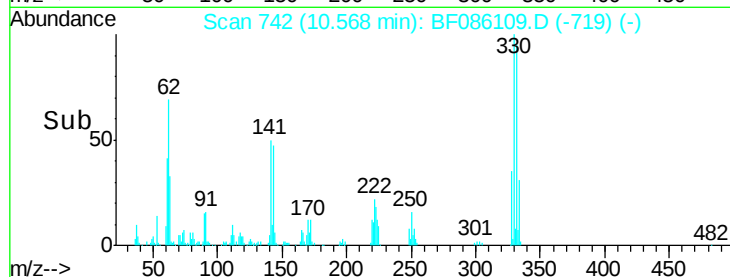
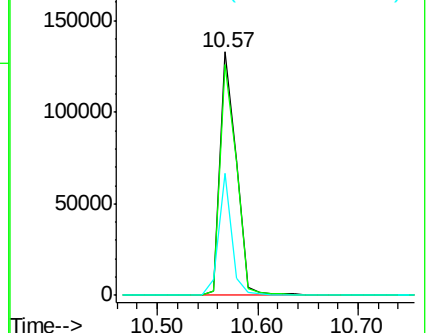
141 40.5 31.5 47.3



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: 59.18 ng

RT: 9.10 min Scan# 614

Delta R.T. -0.03 min

Lab File: BF086109.D

Acq: 6 Apr 2016 20:32

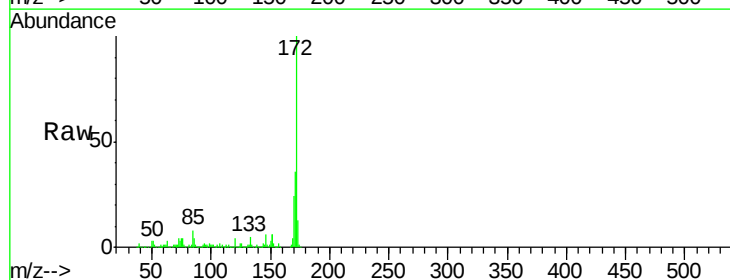
Tgt Ion:172 Resp: 800906

Ion Ratio Lower Upper

172 100

171 36.3 29.4 44.2

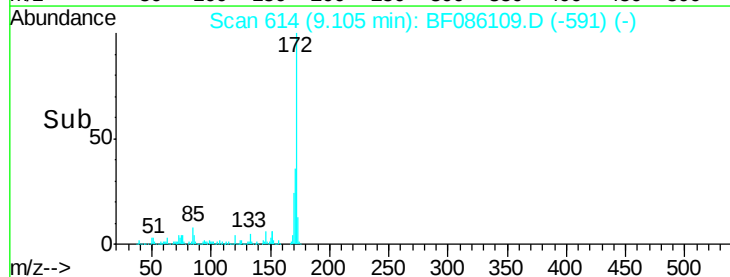
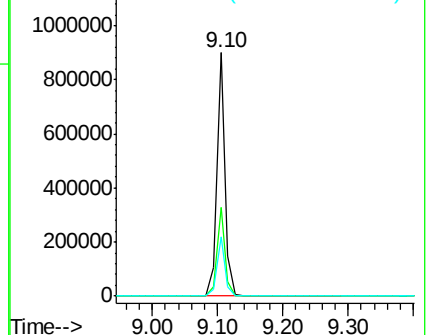
170 24.2 19.8 29.6

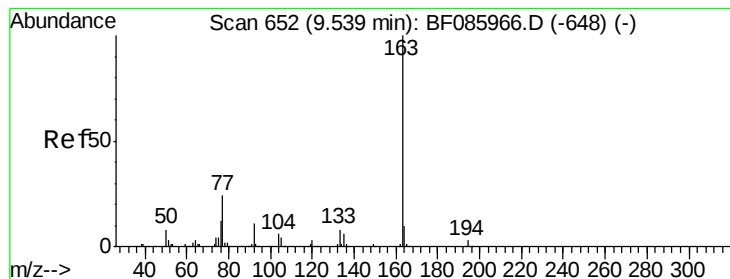


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 12.92 ng

RT: 9.50 min Scan# 649

Delta R.T. -0.03 min

Lab File: BF086109.D

Acq: 6 Apr 2016 20:32

Instrument :

BNA_F

ClientSampleId :

SP-19

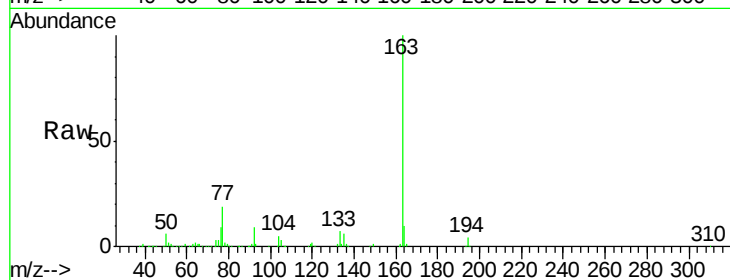
Tgt Ion:163 Resp: 215454

Ion Ratio Lower Upper

163 100

194 3.5 2.9 4.3

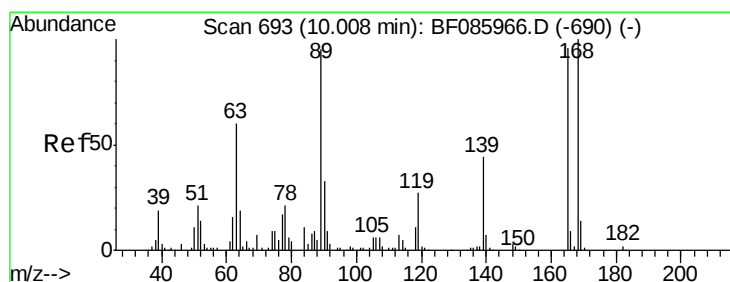
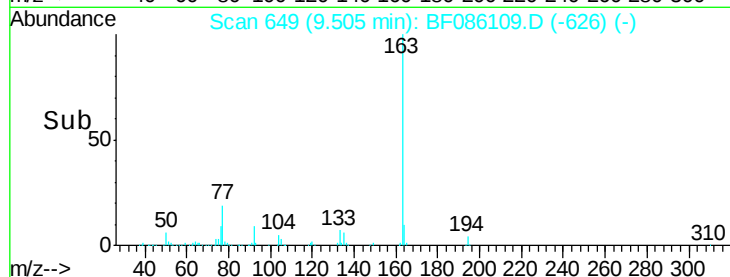
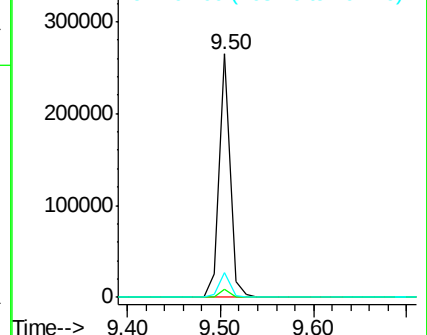
164 9.9 8.3 12.5



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: 6.44 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.23 min

Lab File: BF086109.D

Acq: 6 Apr 2016 20:32

Tgt Ion:165 Resp: 28724

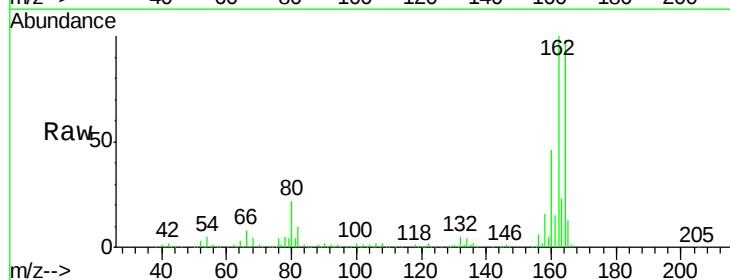
Ion Ratio Lower Upper

165 100

63 1.5 24.9 37.3#

89 1.8 41.0 61.6#

182 0.0 2.1 3.1#

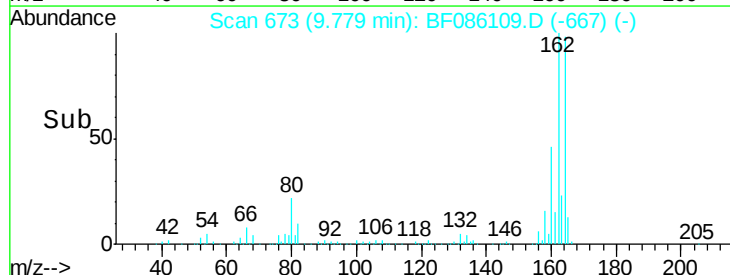
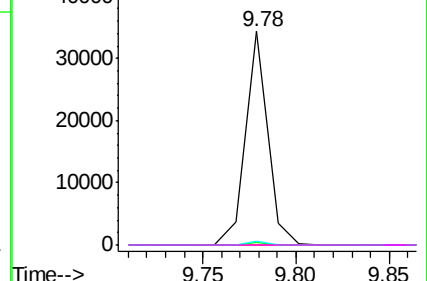


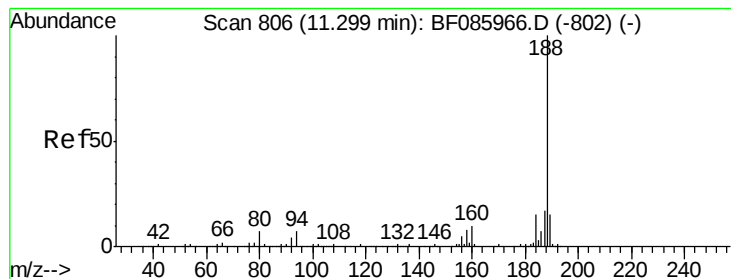
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.03 min

Lab File: BF086109.D

Acq: 6 Apr 2016 20:32

Instrument :

BNA_F

ClientSampleId :

SP-19

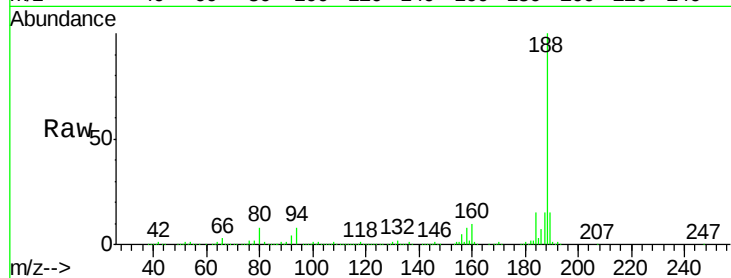
Tgt Ion:188 Resp: 356184

Ion Ratio Lower Upper

188 100

94 8.0 5.4 8.0

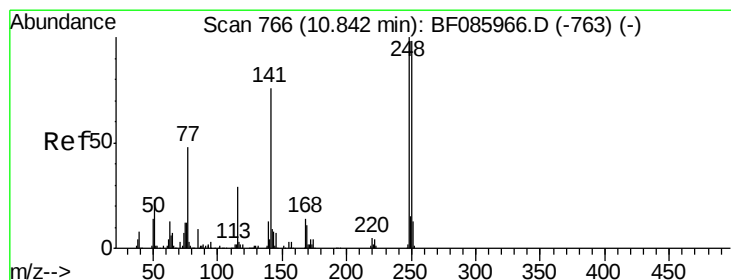
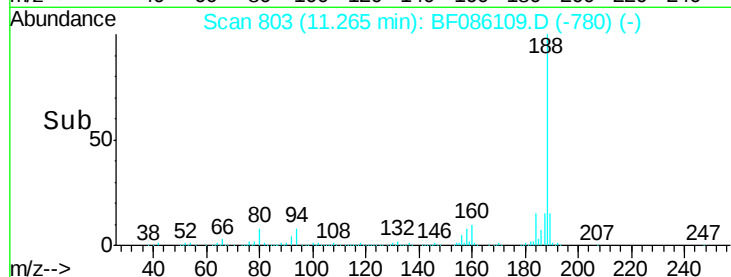
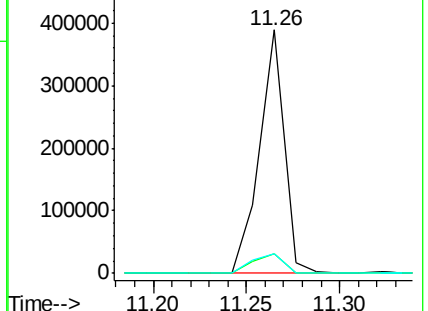
80 8.2 5.5 8.3



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: 2.88 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.27 min

Lab File: BF086109.D

Acq: 6 Apr 2016 20:32

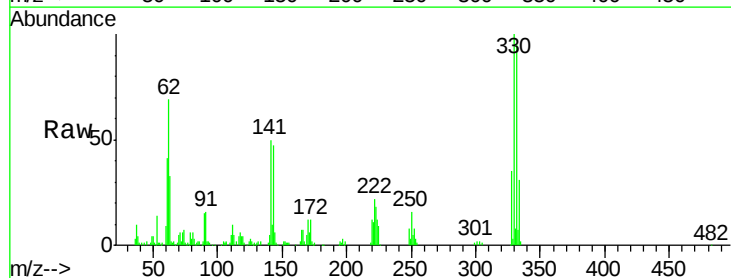
Tgt Ion:248 Resp: 10458

Ion Ratio Lower Upper

248 100

250 195.6 77.4 116.0#

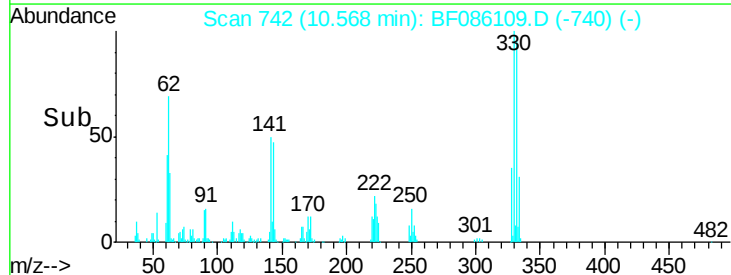
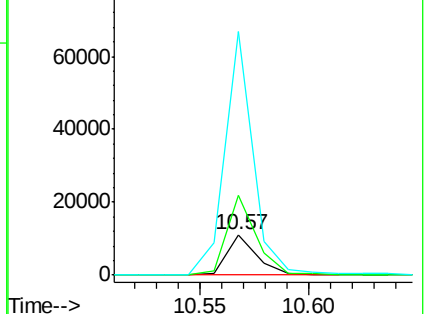
141 598.7 63.6 95.4#

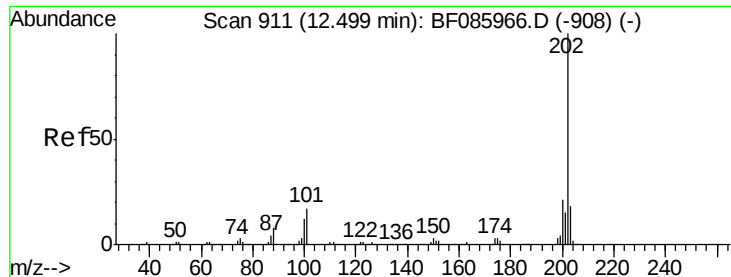


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 3.31 ng

RT: 12.48 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF086109.D

Acq: 6 Apr 2016 20:32

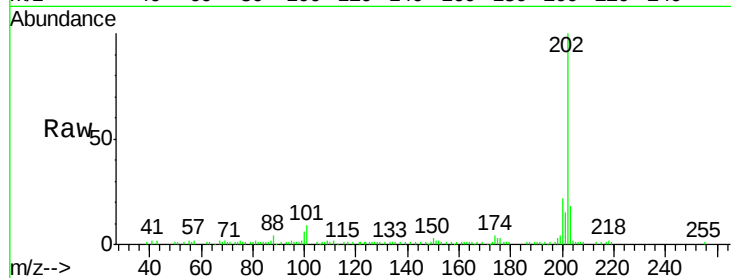
Instrument :

BNA_F

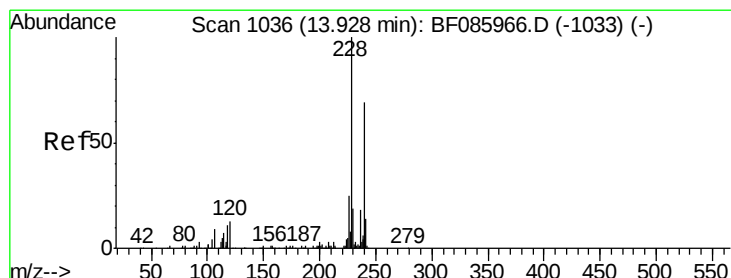
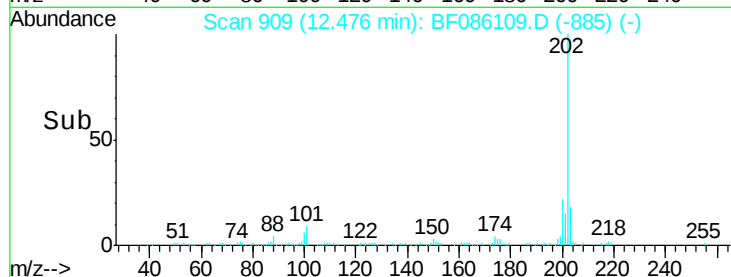
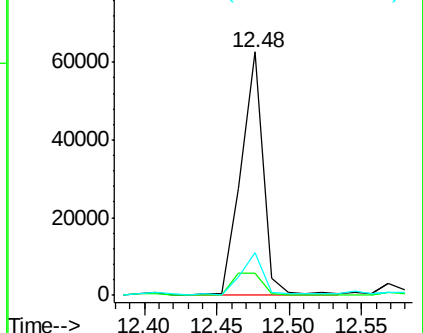
ClientSampleId :

SP-19

Tgt Ion:	202	Resp:	66916
Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	36.6
203	17.6	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

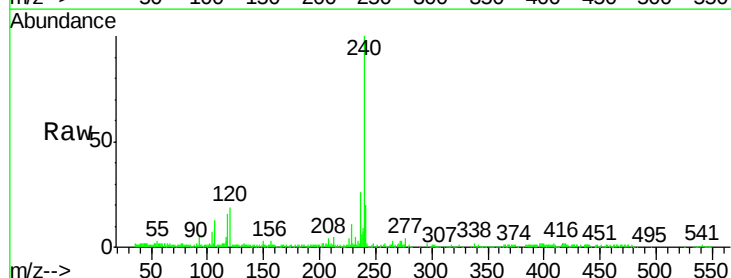
RT: 13.89 min Scan# 1033

Delta R.T. -0.03 min

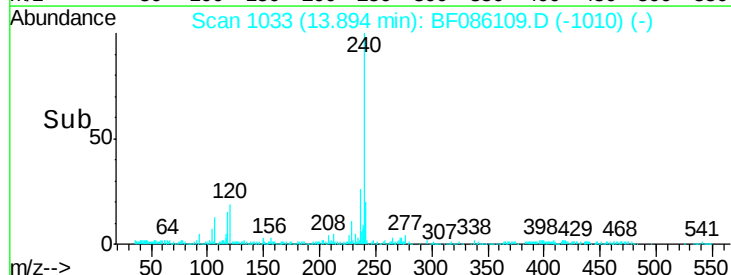
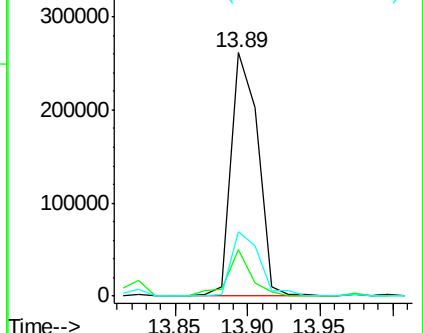
Lab File: BF086109.D

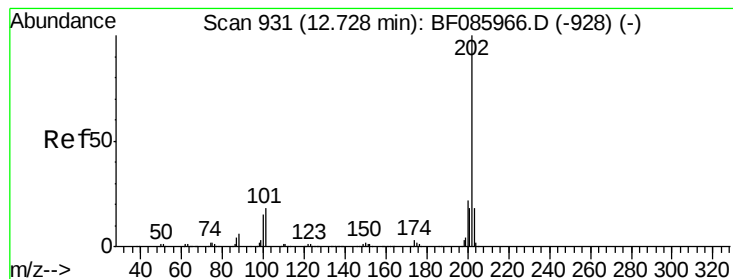
Acq: 6 Apr 2016 20:32

Tgt Ion:	240	Resp:	334505
Ion	Ratio	Lower	Upper
240	100		
120	18.9	13.8	20.8
236	26.4	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

Pyrene

Concen: 2.75 ng

RT: 12.70 min Scan# 929

Delta R.T. -0.02 min

Lab File: BF086109.D

Acq: 6 Apr 2016 20:32

Instrument :

BNA_F

ClientSampleId :

SP-19

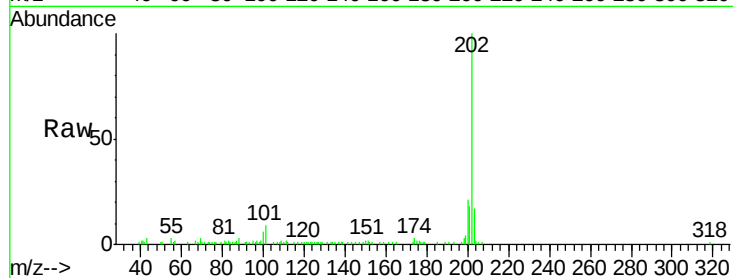
Tgt Ion:202 Resp: 64730

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

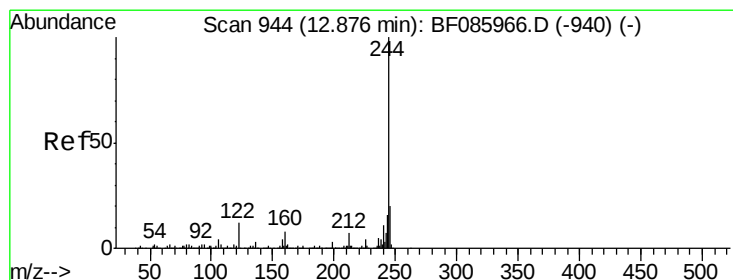
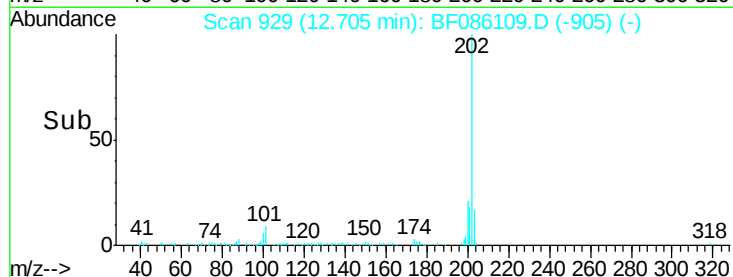
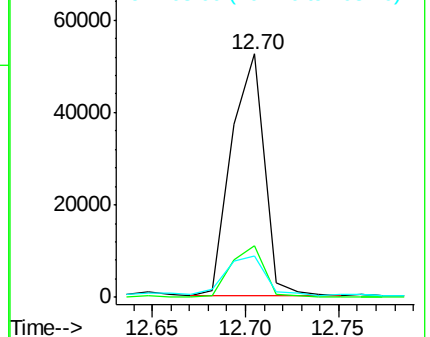
203 17.2 14.0 21.0



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: 39.81 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.03 min

Lab File: BF086109.D

Acq: 6 Apr 2016 20:32

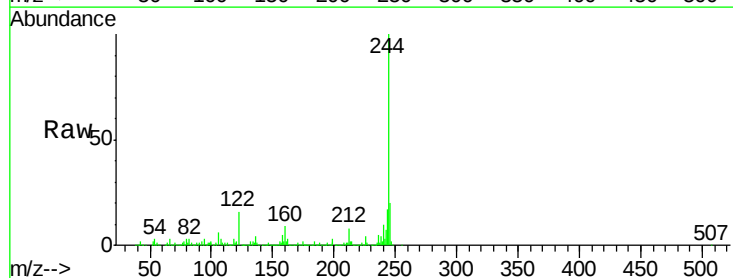
Tgt Ion:244 Resp: 566496

Ion Ratio Lower Upper

244 100

212 7.8 6.1 9.1

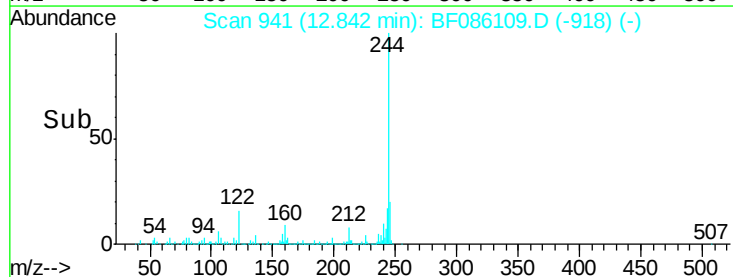
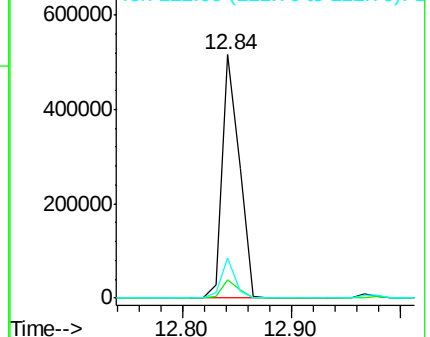
122 16.3 10.2 15.4#

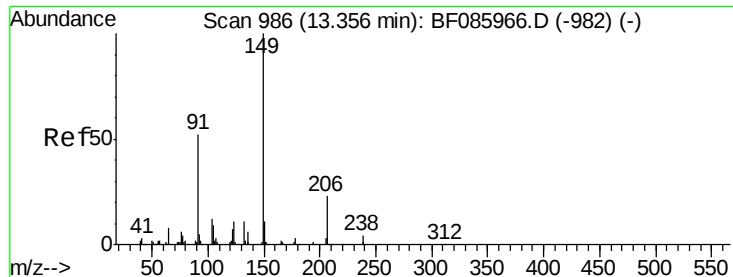


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

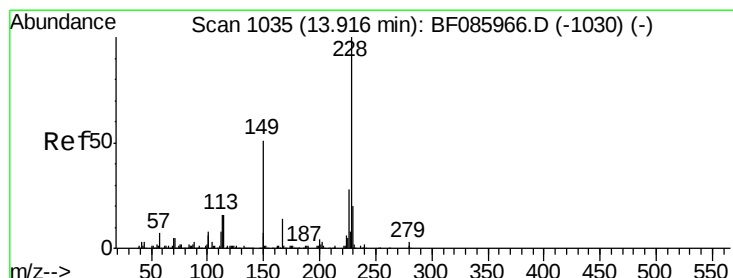
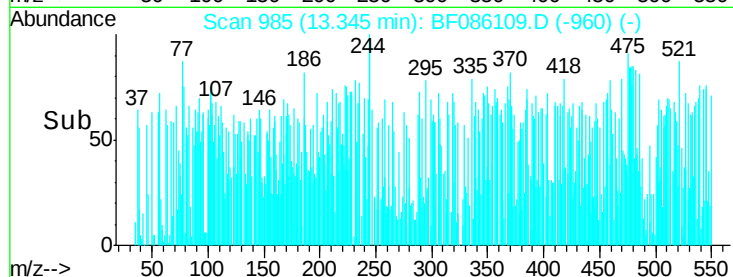
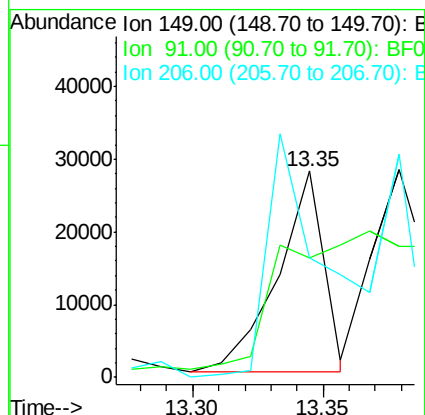
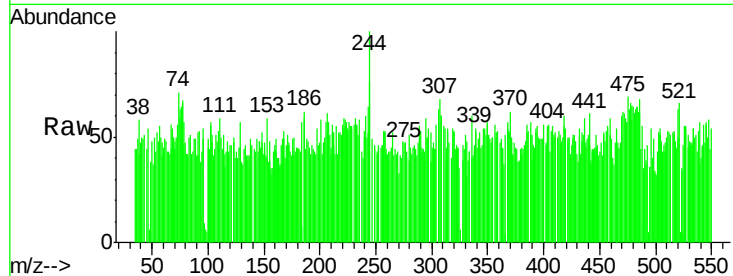




#79
Butylbenzylphthalate
Concen: 3.23 ng
RT: 13.35 min Scan# 985
Delta R.T. -0.01 min
Lab File: BF086109.D
Acq: 6 Apr 2016 20:32

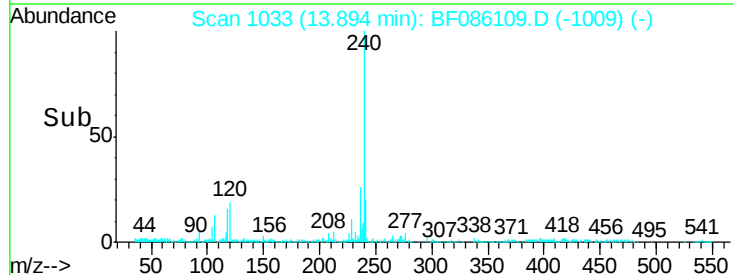
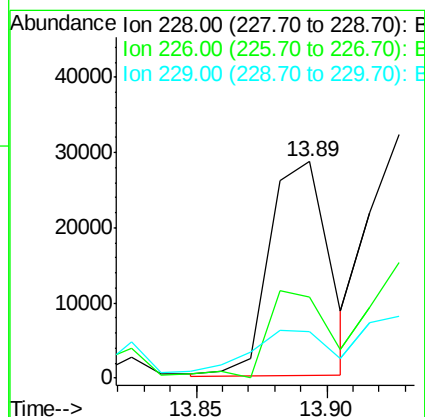
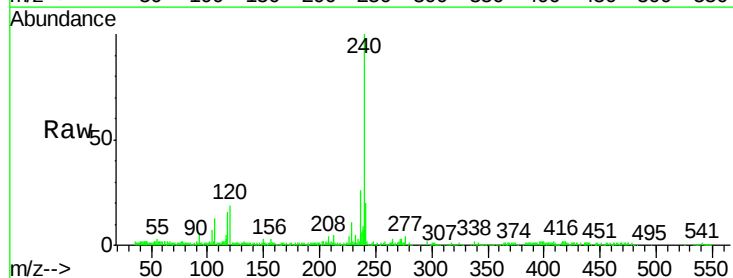
Instrument :
BNA_F
ClientSampled :
SP-19

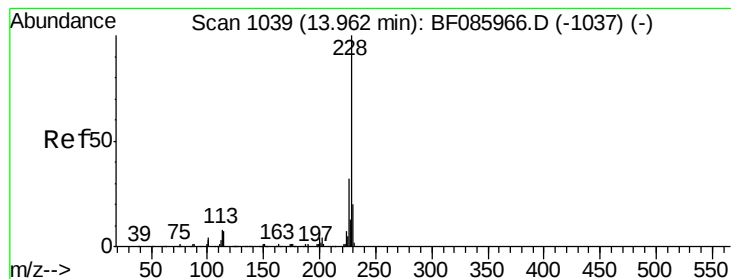
Tgt Ion:149 Resp: 34284
Ion Ratio Lower Upper
149 100
91 58.2 45.8 68.8
206 57.9 17.8 26.8#



#80
Benzo(a)anthracene
Concen: 2.29 ng
RT: 13.89 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BF086109.D
Acq: 6 Apr 2016 20:32

Tgt Ion:228 Resp: 45223
Ion Ratio Lower Upper
228 100
226 37.4 22.1 33.1#
229 21.5 16.2 24.4





#82

Chrysene

Concen: 2.34 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.07 min

Lab File: BF086109.D

Acq: 6 Apr 2016 20:32

Instrument :

BNA_F

ClientSampleId :

SP-19

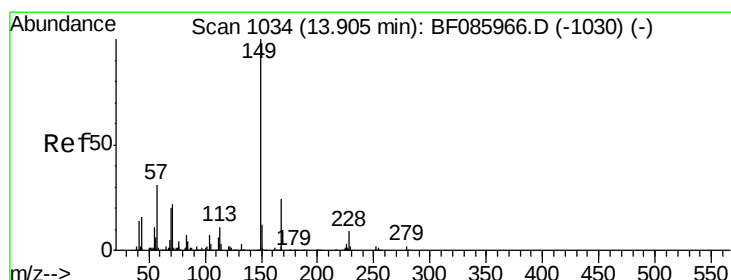
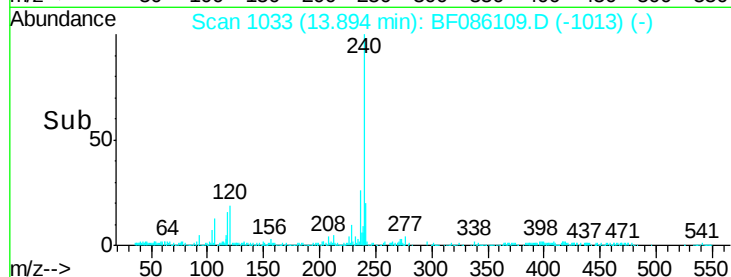
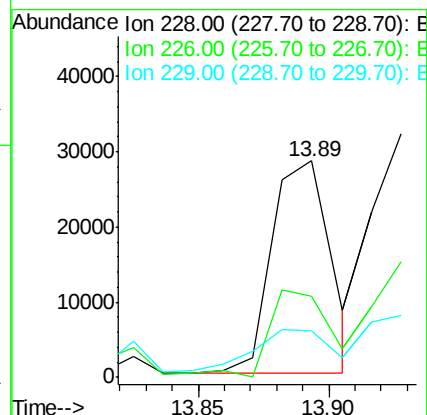
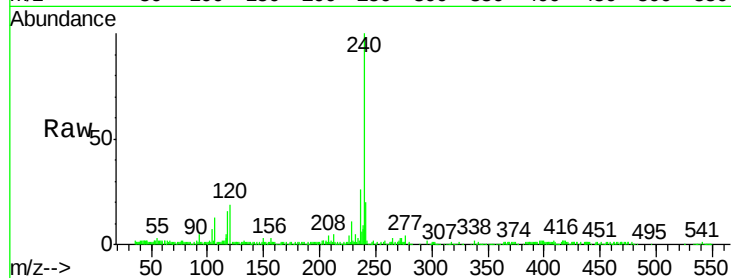
Tgt Ion:228 Resp: 44436

Ion Ratio Lower Upper

228 100

226 37.4 25.0 37.6

229 21.5 15.7 23.5



#83

Bis(2-ethylhexyl)phthalate

Concen: 8.62 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF086109.D

Acq: 6 Apr 2016 20:32

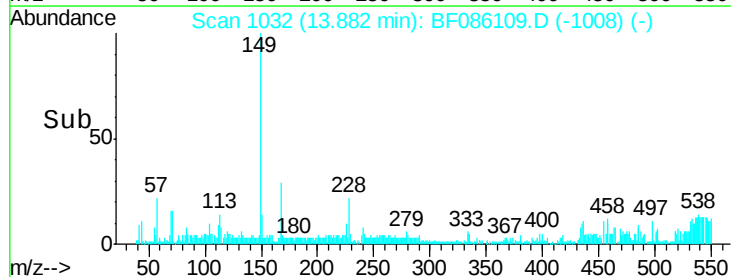
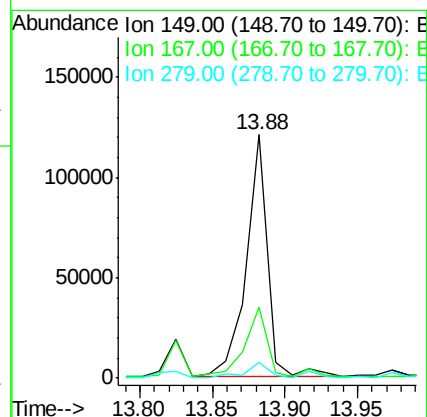
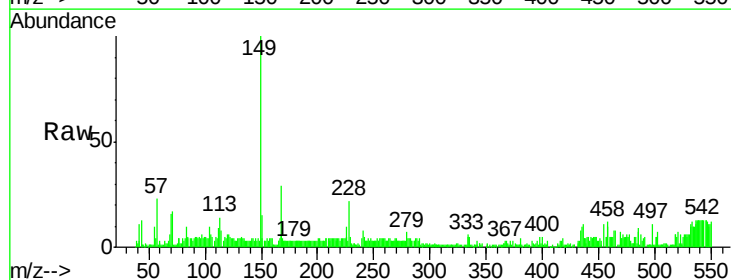
Tgt Ion:149 Resp: 121414

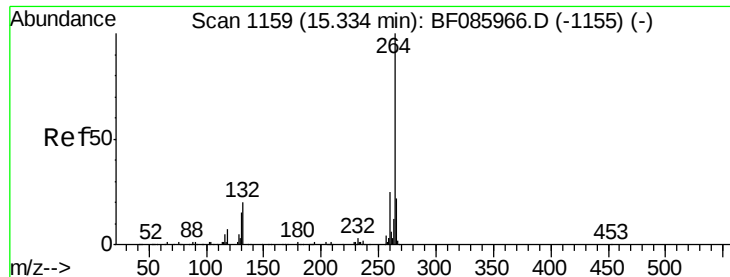
Ion Ratio Lower Upper

149 100

167 29.1 19.4 29.2

279 6.5 1.5 2.3#

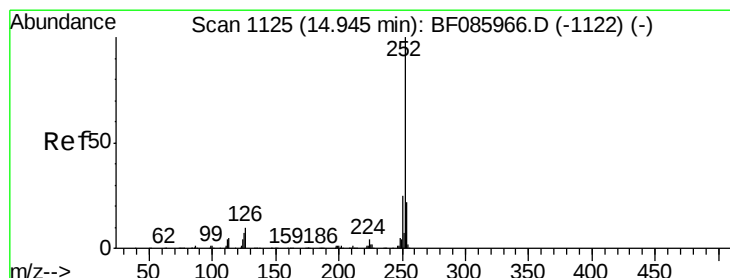
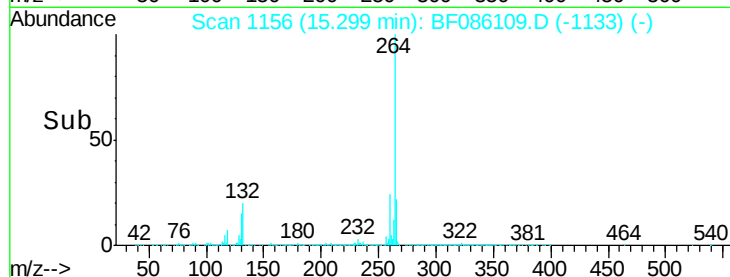
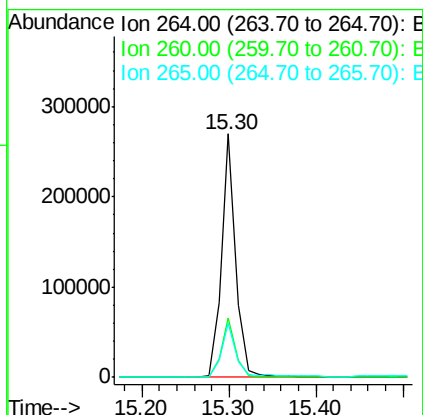
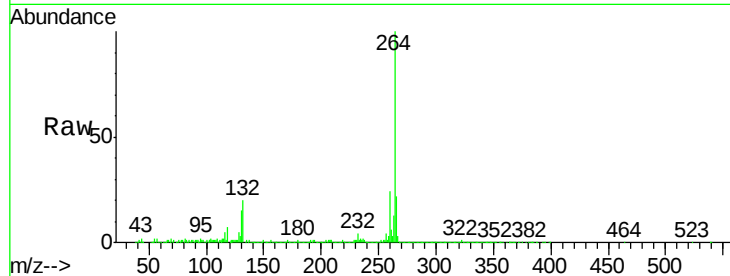




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.03 min
Lab File: BF086109.D
Acq: 6 Apr 2016 20:32

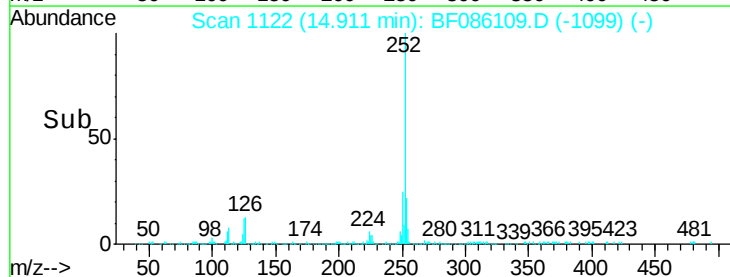
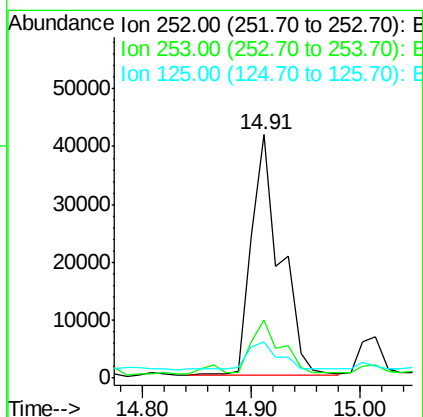
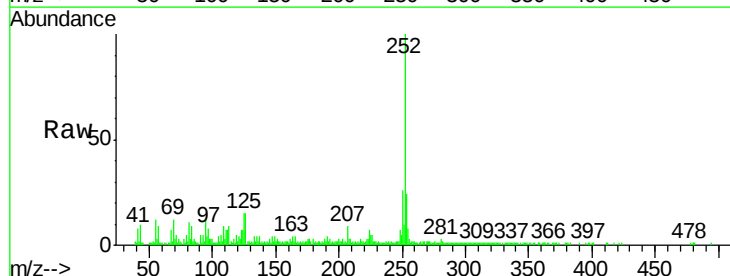
Instrument :
BNA_F
ClientSampleId :
SP-19

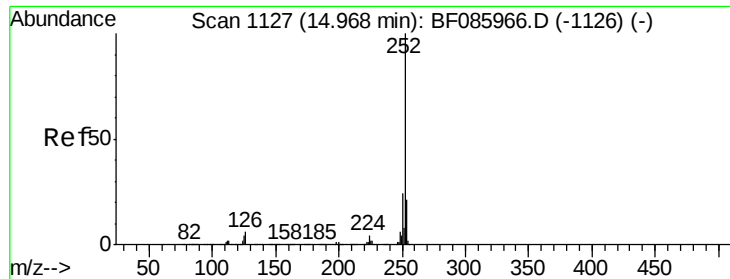
Tgt Ion:264 Resp: 307292
Ion Ratio Lower Upper
264 100
260 24.4 19.4 29.2
265 22.1 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 3.94 ng
RT: 14.91 min Scan# 1122
Delta R.T. -0.03 min
Lab File: BF086109.D
Acq: 6 Apr 2016 20:32

Tgt Ion:252 Resp: 76250
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 15.1 10.3 15.5

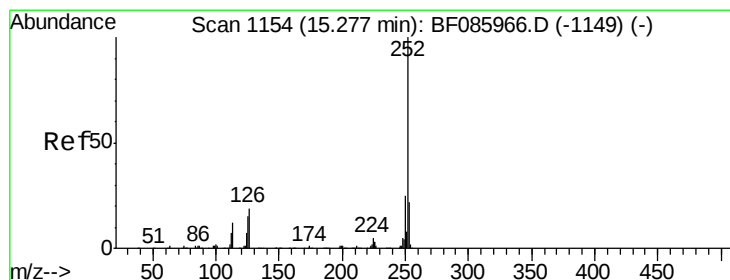
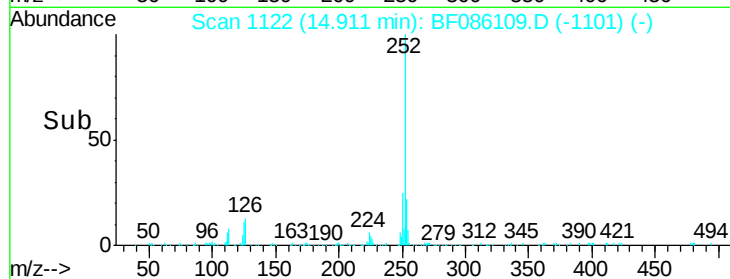
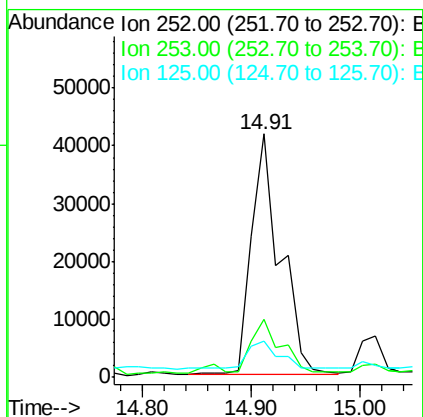
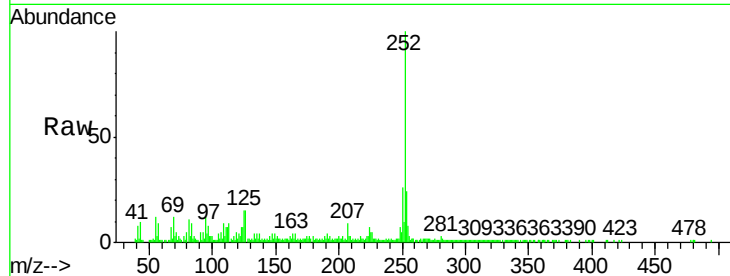




#88
Benzo(k)fluoranthene
Concen: 4.45 ng
RT: 14.91 min Scan# 1122
Delta R.T. -0.06 min
Lab File: BF086109.D
Acq: 6 Apr 2016 20:32

Instrument :
BNA_F
ClientSampled :
SP-19

Tgt Ion: 252 Resp: 76250
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 15.1 7.7 11.5#



#89
Benzo(a)pyrene
Concen: 2.33 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF086109.D
Acq: 6 Apr 2016 20:32

Tgt Ion: 252 Resp: 39854
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.0
125 16.0 10.3 15.5#

