

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040616\
 Data File : BF086108.D
 Acq On : 6 Apr 2016 20:03
 Operator : UM/SJ
 Sample : H2254-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-18

Quant Time: Apr 07 01:12:52 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

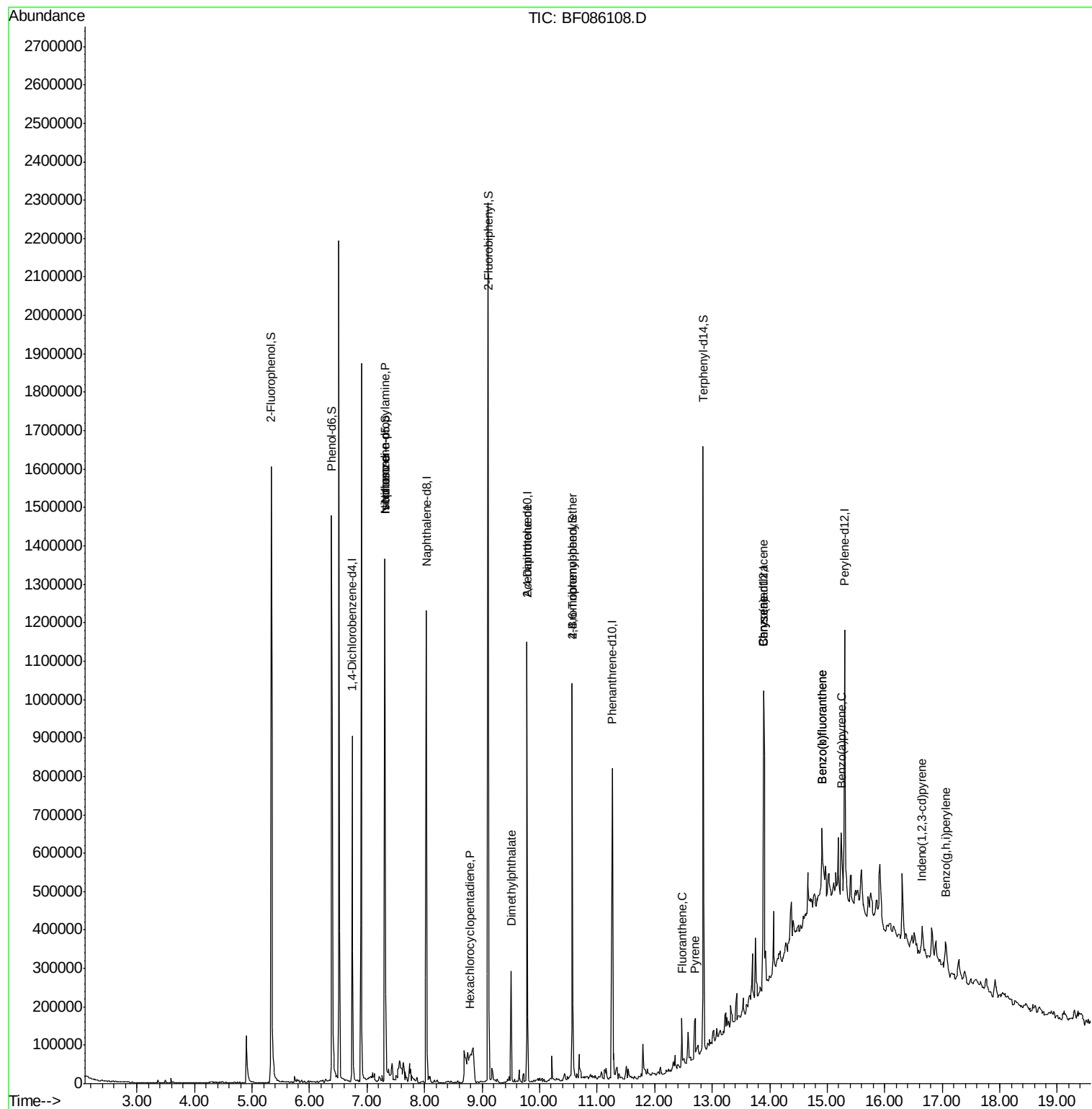
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	147220	20.00	ng	-0.03
21) Naphthalene-d8	8.03	136	551181	20.00	ng	-0.03
38) Acenaphthene-d10	9.78	164	205416	20.00	ng	-0.03
63) Phenanthrene-d10	11.26	188	328266	20.00	ng	-0.03
75) Chrysene-d12	13.89	240	339806	20.00	ng	-0.03
86) Perylene-d12	15.30	264	312907	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	621199	72.12	ng	-0.03
7) Phenol-d6	6.38	99	742111	67.83	ng	-0.03
23) Nitrobenzene-d5	7.31	82	441638	47.25	ng	-0.03
41) 2,4,6-Tribromophenol	10.57	330	108327	56.19	ng	-0.03
44) 2-Fluorobiphenyl	9.10	172	633398	51.27	ng	-0.03
78) Terphenyl-d14	12.84	244	468536	32.41	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.31	70	59040	8.71	ng	# 79
25) Isophorone	7.31	82	407376	22.08	ng	# 68
40) Hexachlorocyclopentadiene	8.80	237	705	5.81	ng	# 26
49) Dimethylphthalate	9.50	163	112231	7.37	ng	99
56) 2,4-Dinitrotoluene	9.78	165	26288	6.46	ng	# 37
66) 4-Bromophenyl-phenylether	10.57	248	7993	2.38	ng	# 1
74) Fluoranthene	12.48	202	58935	3.16	ng	91
77) Pyrene	12.70	202	62567	2.61	ng	99
80) Benzo(a)anthracene	13.89	228	42008	2.10	ng	# 90
82) Chrysene	13.89	228	42008	2.18	ng	93
85) Indeno(1,2,3-cd)pyrene	16.65	276	40932	2.61	ng	93
87) Benzo(b)fluoranthene	14.91	252	107627	5.47	ng	# 93
88) Benzo(k)fluoranthene	14.91	252	107627	6.17	ng	# 91
89) Benzo(a)pyrene	15.24	252	54331	3.12	ng	# 87
91) Benzo(g,h,i)perylene	17.06	276	47112	3.47	ng	96

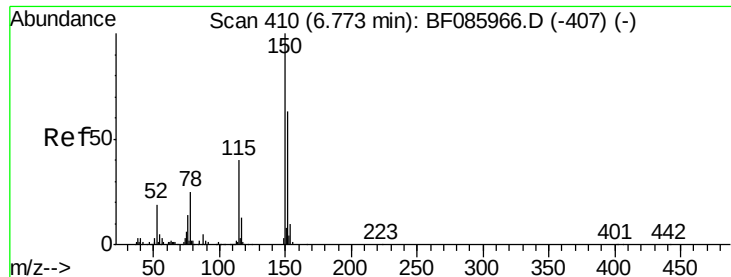
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF086108.D

Acq: 6 Apr 2016 20:03

Instrument :

BNA_F

ClientSampleId :

SP-18

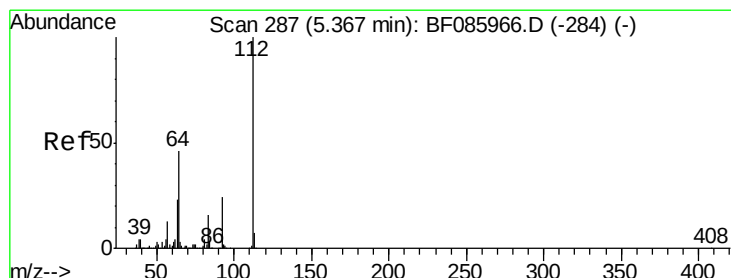
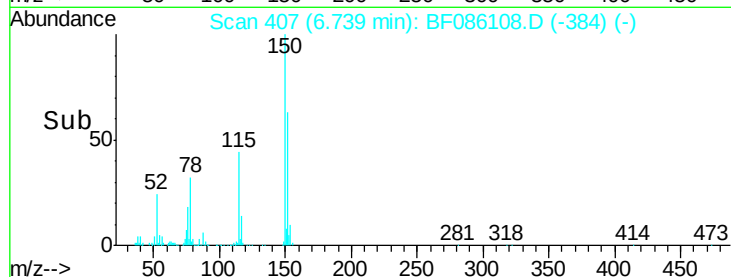
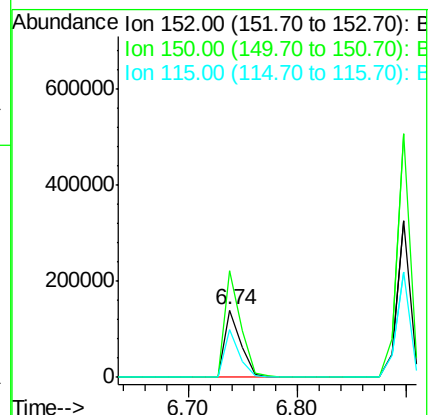
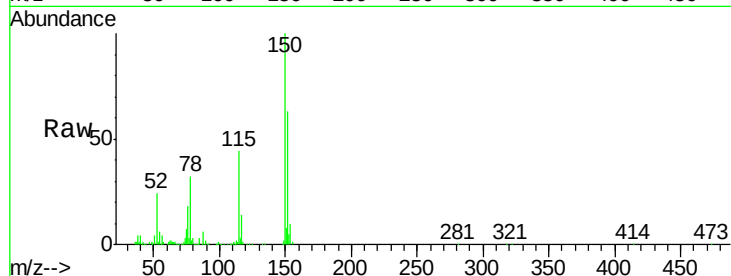
Tgt Ion:152 Resp: 147220

Ion Ratio Lower Upper

152 100

150 157.9 124.2 186.2

115 69.9 47.0 70.6



#5

2-Fluorophenol

Concen: 72.12 ng

RT: 5.33 min Scan# 284

Delta R.T. -0.03 min

Lab File: BF086108.D

Acq: 6 Apr 2016 20:03

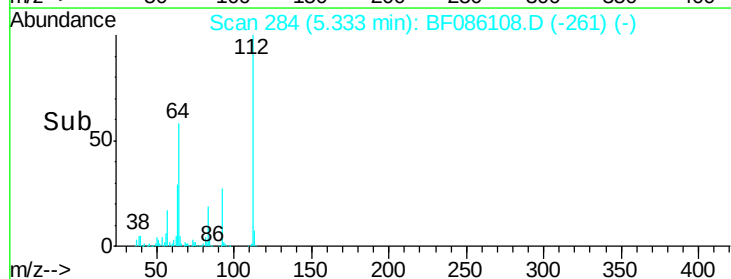
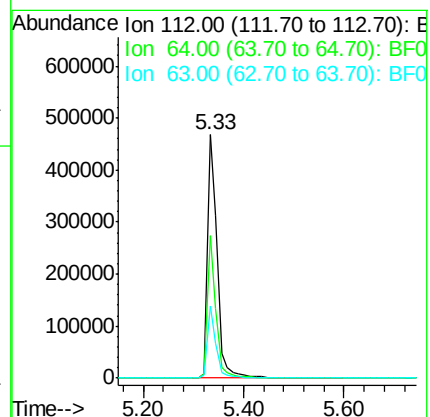
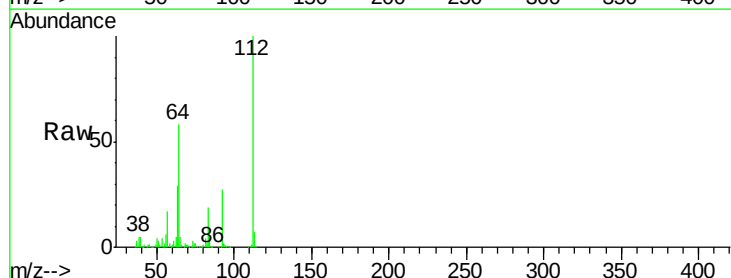
Tgt Ion:112 Resp: 621199

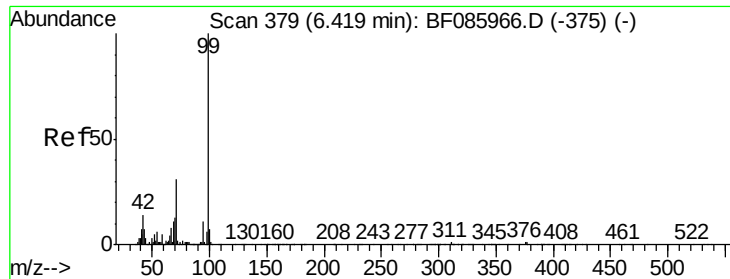
Ion Ratio Lower Upper

112 100

64 58.4 39.9 59.9

63 29.5 20.2 30.2





#7

Phenol-d6

Concen: 67.83 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.03 min

Lab File: BF086108.D

Acq: 6 Apr 2016 20:03

Instrument :

BNA_F

ClientSampleId :

SP-18

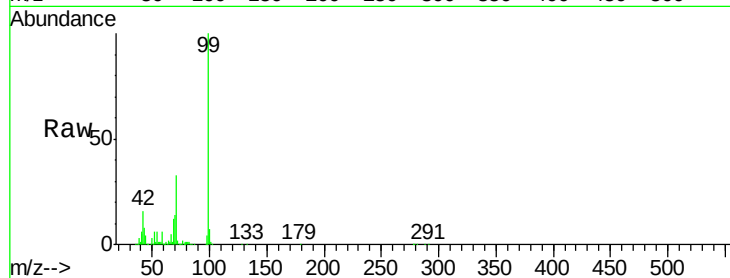
Tgt Ion: 99 Resp: 742111

Ion Ratio Lower Upper

99 100

42 16.3 11.1 16.7

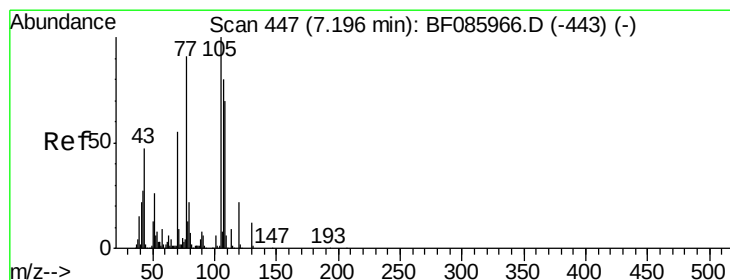
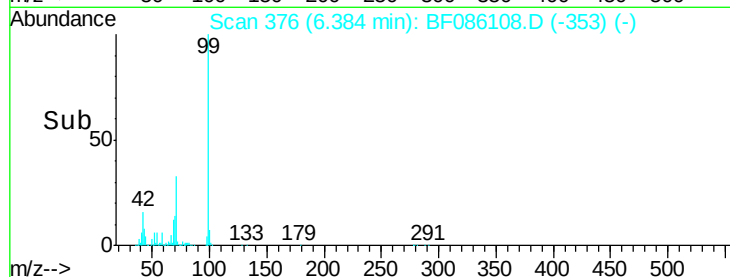
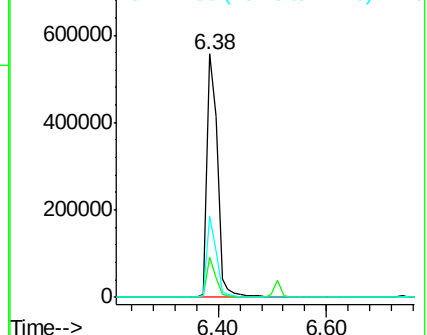
71 33.4 24.9 37.3



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: 8.71 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.11 min

Lab File: BF086108.D

Acq: 6 Apr 2016 20:03

Tgt Ion: 70 Resp: 59040

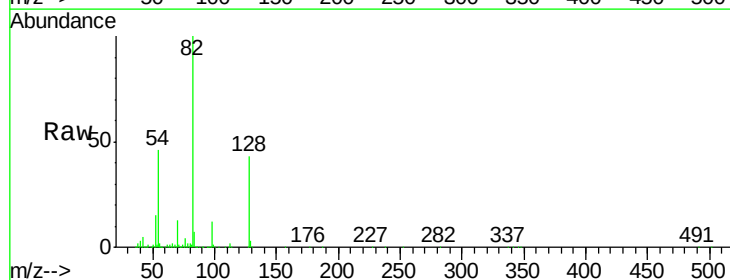
Ion Ratio Lower Upper

70 100

42 41.4 37.1 55.7

101 0.0 8.6 12.8#

130 2.6 19.6 29.4#

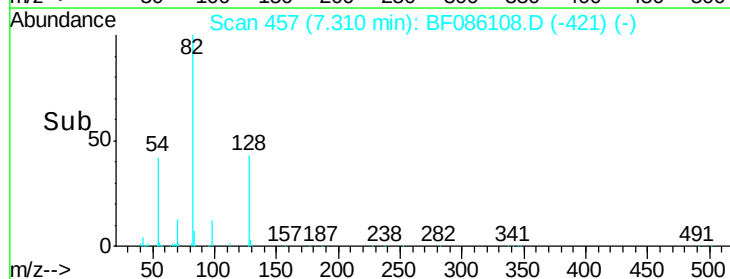
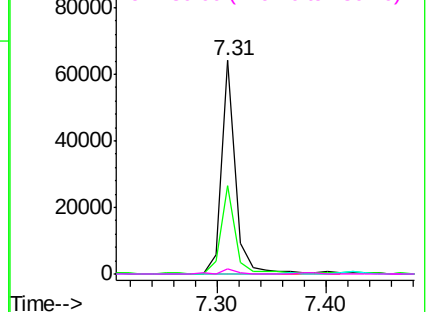


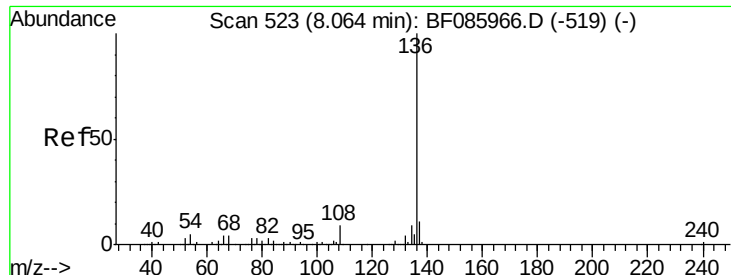
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

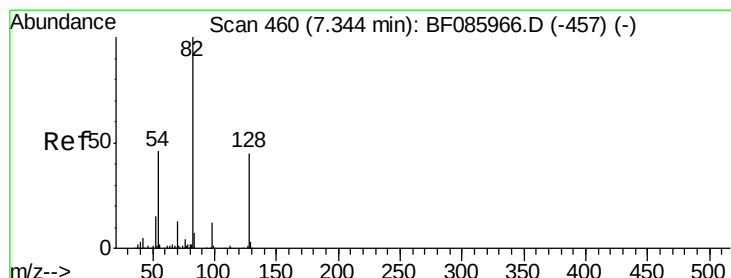
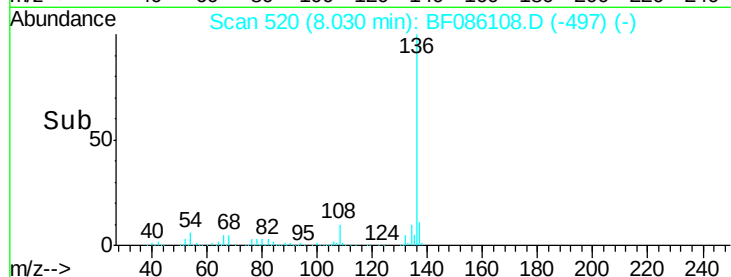
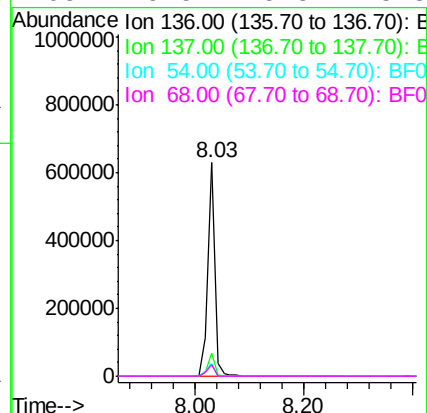
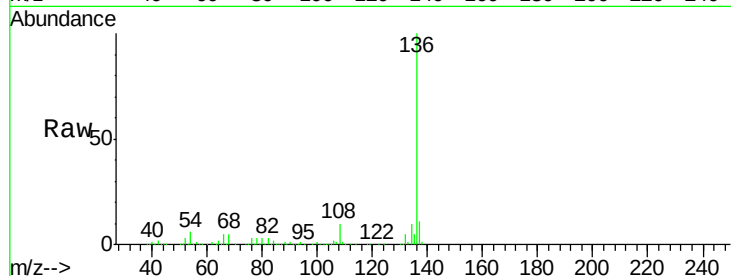




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.03 min
Lab File: BF086108.D
Acq: 6 Apr 2016 20:03

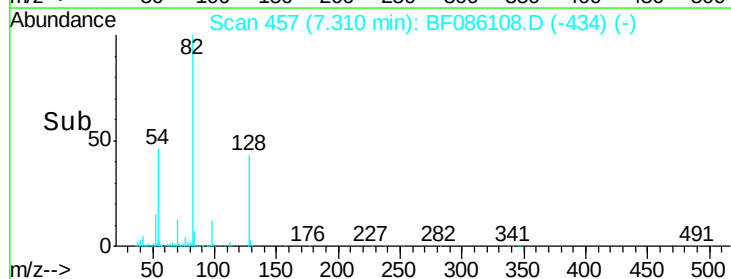
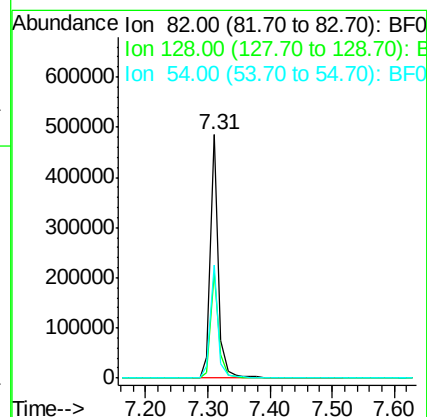
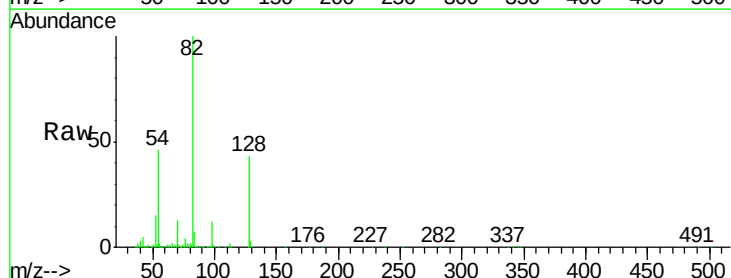
Instrument :
BNA_F
ClientSampleId :
SP-18

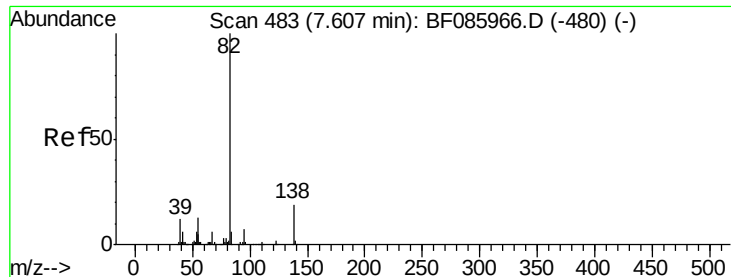
Tgt Ion:	136	Resp:	551181
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	6.2	7.4	11.0#
68	5.5	5.8	8.8#



#23
Nitrobenzene-d5
Concen: 47.25 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.03 min
Lab File: BF086108.D
Acq: 6 Apr 2016 20:03

Tgt Ion:	82	Resp:	441638
Ion	Ratio	Lower	Upper
82	100		
128	43.4	41.8	62.8
54	46.2	33.4	50.0





#25

Isophorone

Concen: 22.08 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.30 min

Lab File: BF086108.D

Acq: 6 Apr 2016 20:03

Instrument :

BNA_F

ClientSampleId :

SP-18

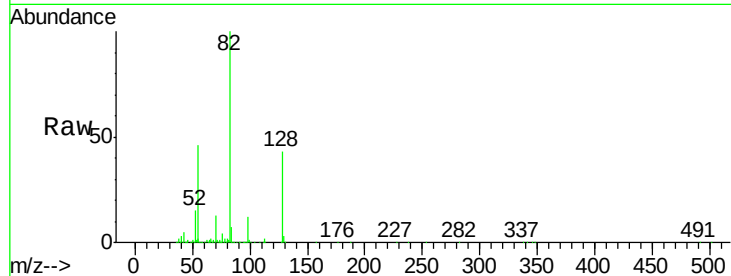
Tgt Ion: 82 Resp: 407376

Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.2#

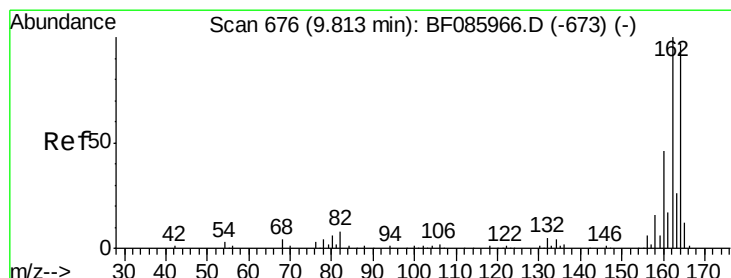
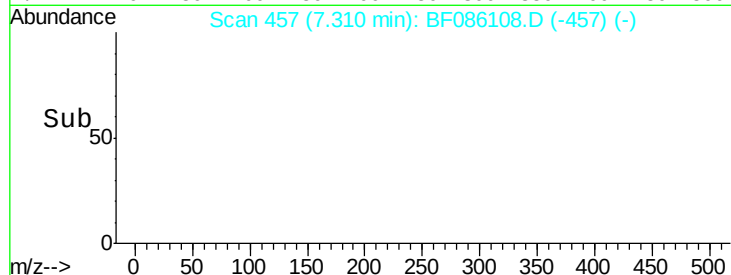
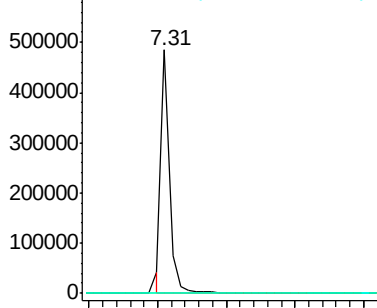
138 0.0 12.9 19.3#



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): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.03 min

Lab File: BF086108.D

Acq: 6 Apr 2016 20:03

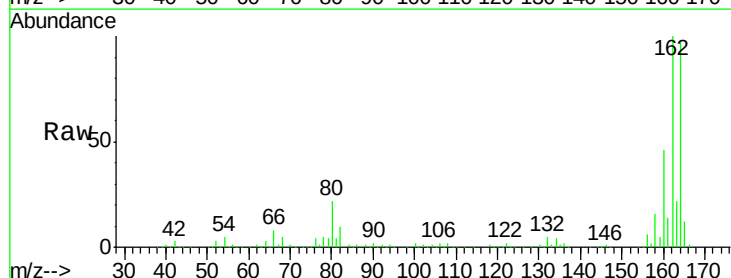
Tgt Ion: 164 Resp: 205416

Ion Ratio Lower Upper

164 100

162 103.6 82.1 123.1

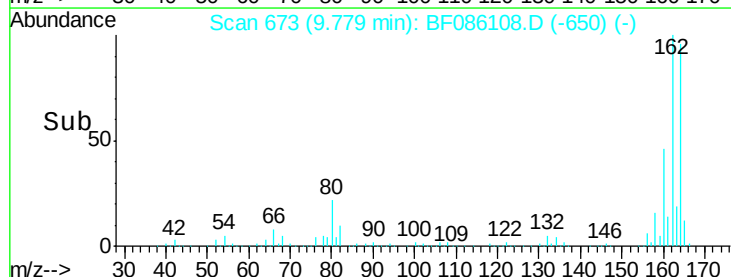
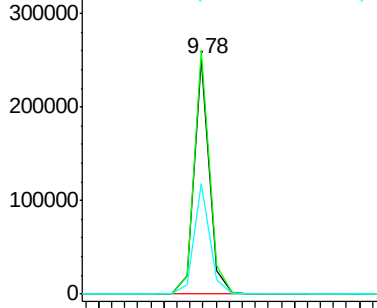
160 47.2 37.4 56.2

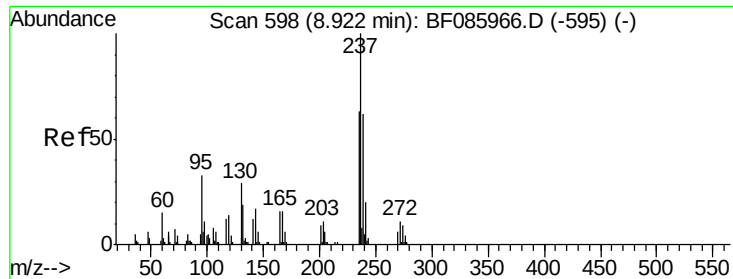


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

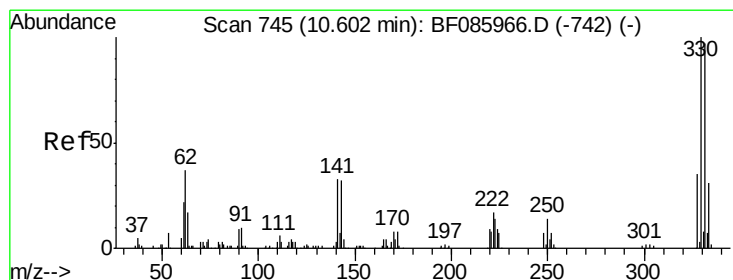
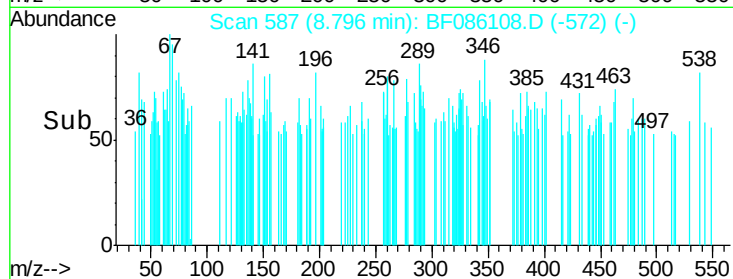
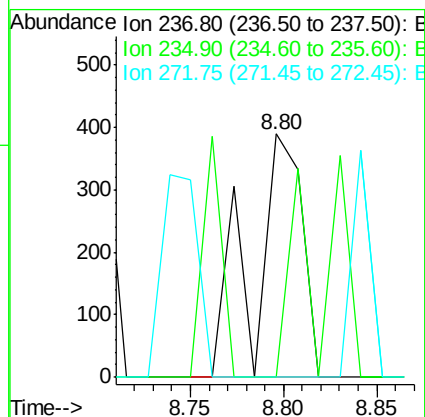
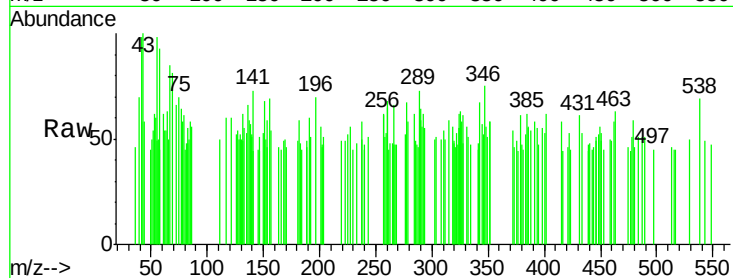




#40
Hexachlorocyclopentadiene
Concen: 5.81 ng
RT: 8.80 min Scan# 587
Delta R.T. -0.13 min
Lab File: BF086108.D
Acq: 6 Apr 2016 20:03

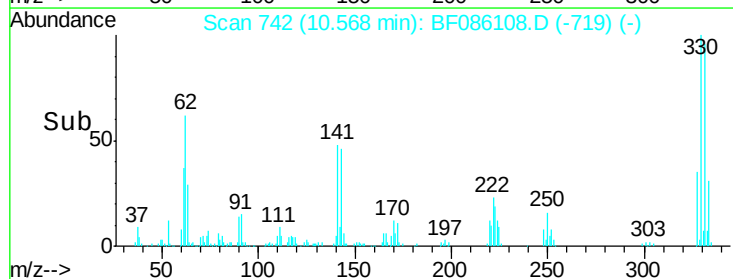
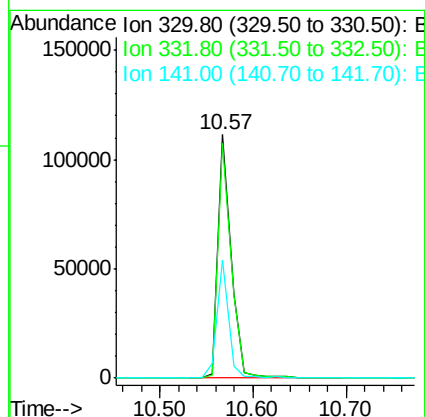
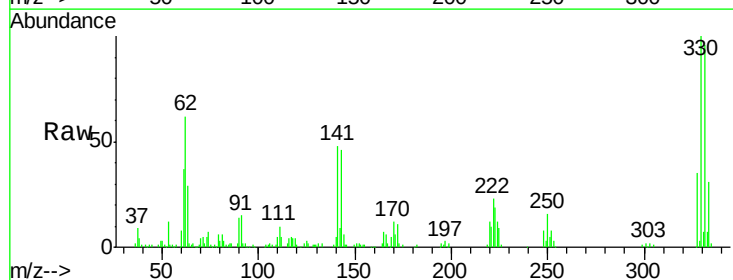
Instrument :
BNA_F
ClientSampleId :
SP-18

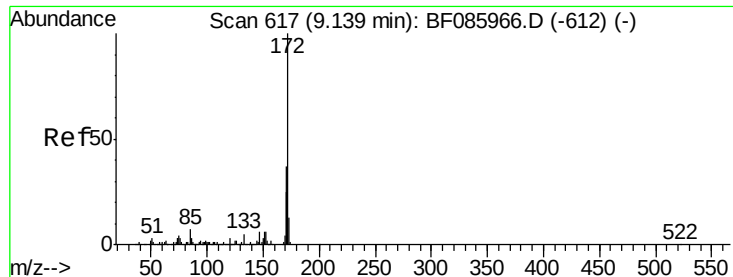
Tgt Ion: 237 Resp: 705
Ion Ratio Lower Upper
237 100
235 0.0 43.7 83.7#
272 0.0 0.0 31.9



#41
2,4,6-Tribromophenol
Concen: 56.19 ng
RT: 10.57 min Scan# 742
Delta R.T. -0.03 min
Lab File: BF086108.D
Acq: 6 Apr 2016 20:03

Tgt Ion: 330 Resp: 108327
Ion Ratio Lower Upper
330 100
332 96.7 78.2 117.2
141 43.5 31.5 47.3





#44

2-Fluorobiphenyl

Concen: 51.27 ng

RT: 9.10 min Scan# 614

Delta R.T. -0.03 min

Lab File: BF086108.D

Acq: 6 Apr 2016 20:03

Instrument :

BNA_F

ClientSampleId :

SP-18

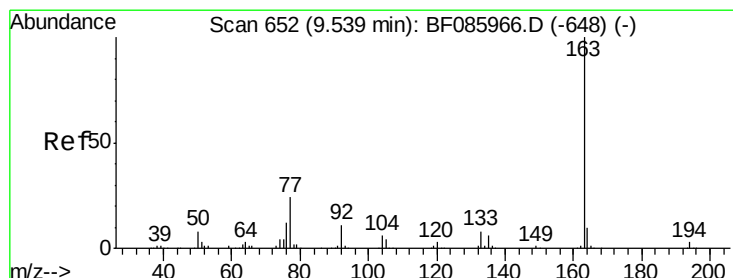
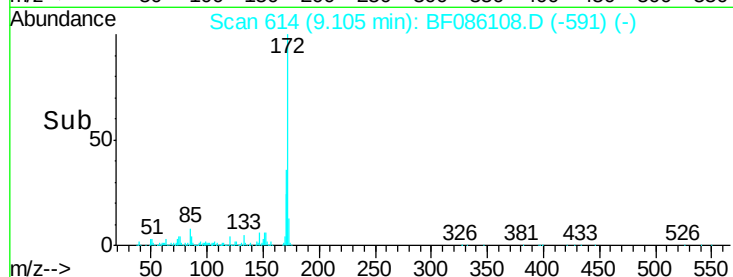
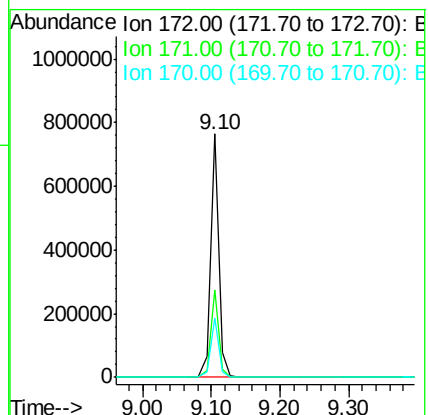
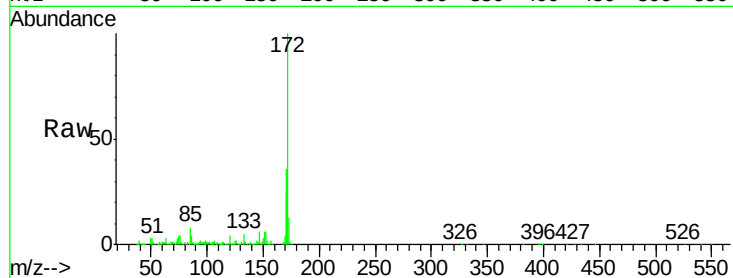
Tgt Ion:172 Resp: 633398

Ion Ratio Lower Upper

172 100

171 35.9 29.4 44.2

170 24.1 19.8 29.6



#49

Dimethylphthalate

Concen: 7.37 ng

RT: 9.50 min Scan# 649

Delta R.T. -0.03 min

Lab File: BF086108.D

Acq: 6 Apr 2016 20:03

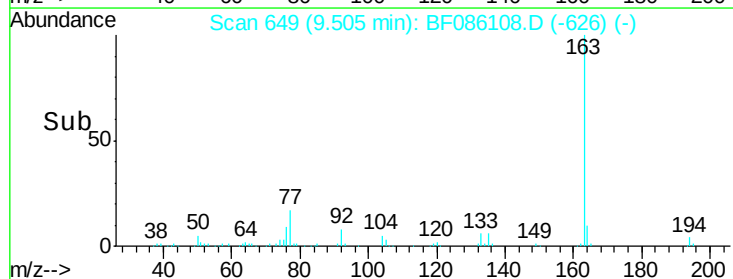
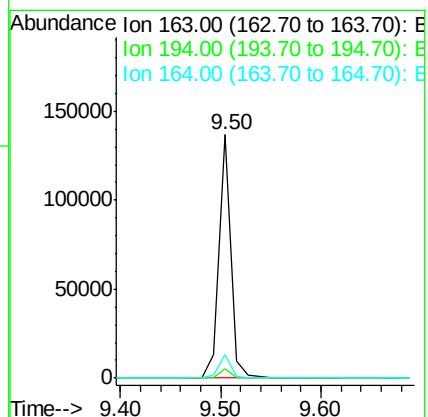
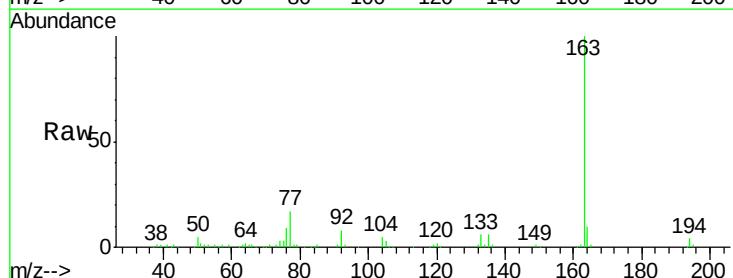
Tgt Ion:163 Resp: 112231

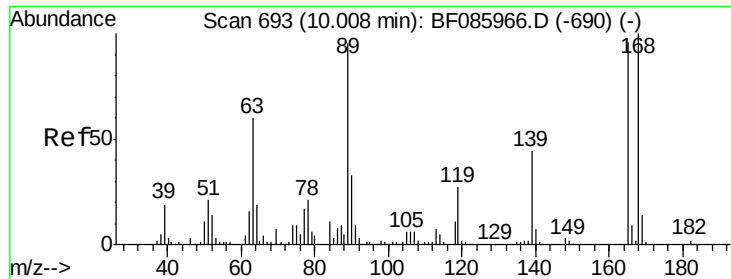
Ion Ratio Lower Upper

163 100

194 3.8 2.9 4.3

164 9.8 8.3 12.5

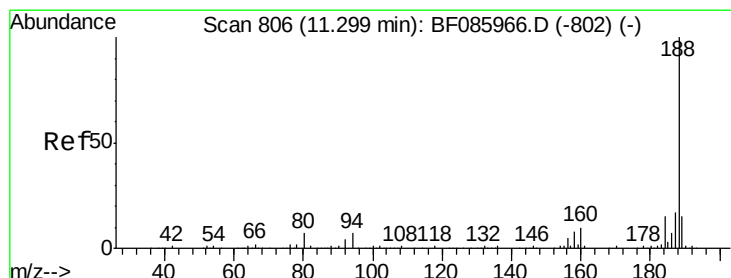
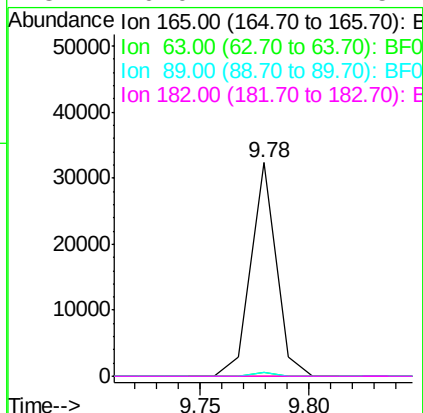
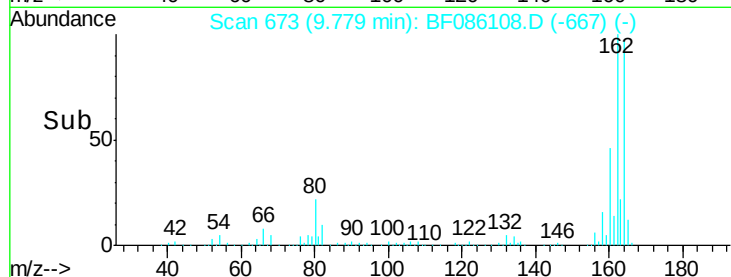
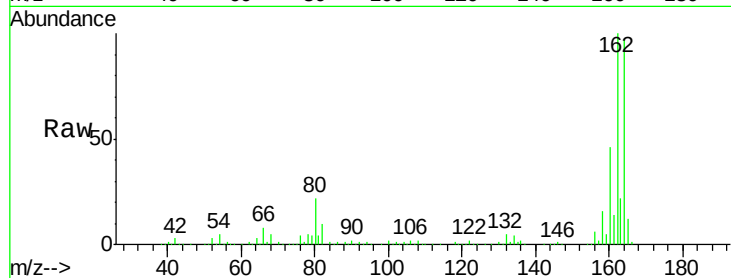




#56
 2,4-Dinitrotoluene
 Concen: 6.46 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.23 min
 Lab File: BF086108.D
 Acq: 6 Apr 2016 20:03

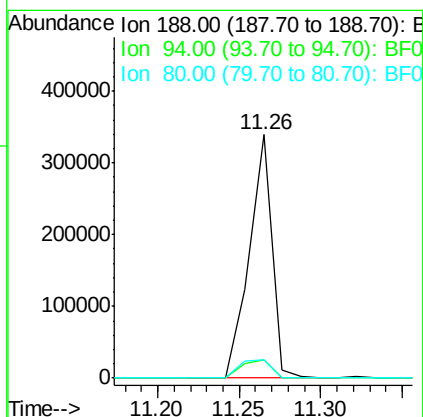
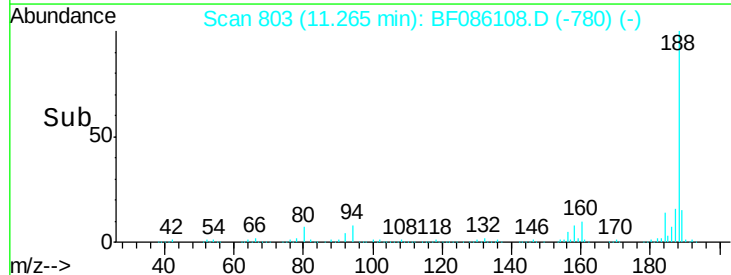
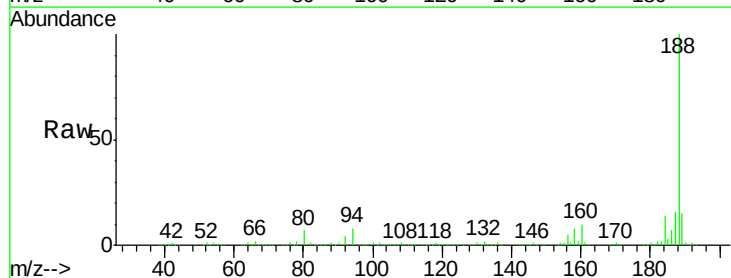
Instrument :
 BNA_F
 ClientSampled :
 SP-18

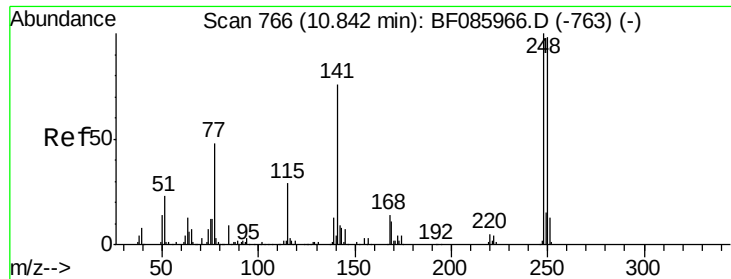
Tgt Ion:	165	Resp:	26288
Ion	Ratio	Lower	Upper
165	100		
63	1.8	24.9	37.3#
89	1.8	41.0	61.6#
182	0.0	2.1	3.1#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.03 min
 Lab File: BF086108.D
 Acq: 6 Apr 2016 20:03

Tgt Ion:	188	Resp:	328266
Ion	Ratio	Lower	Upper
188	100		
94	7.7	5.4	8.0
80	7.4	5.5	8.3

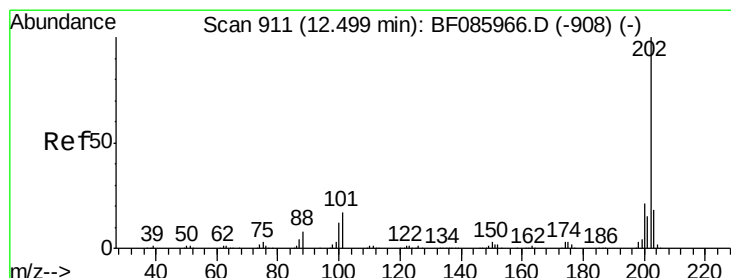
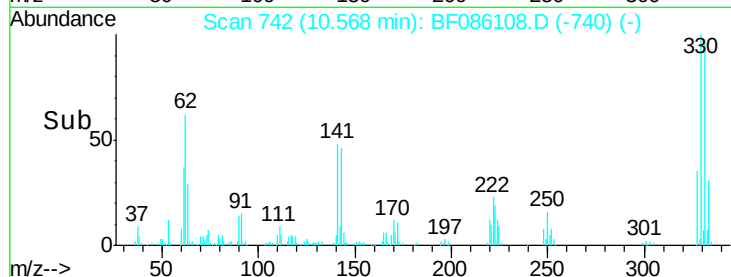
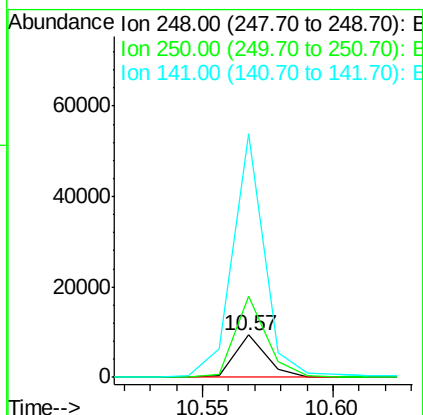
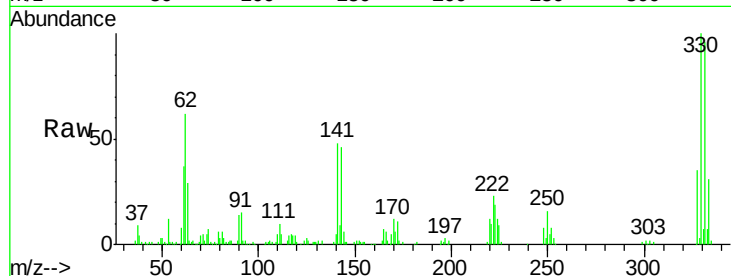




#66
 4-Bromophenyl-phenylether
 Concen: 2.38 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.27 min
 Lab File: BF086108.D
 Acq: 6 Apr 2016 20:03

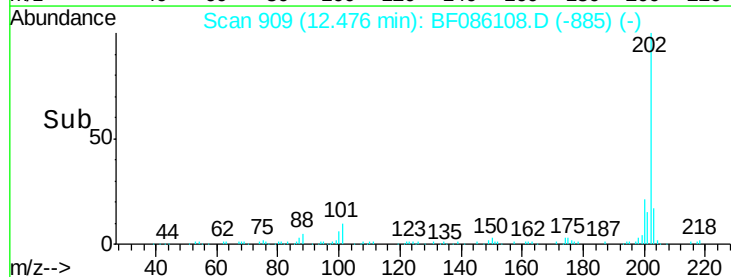
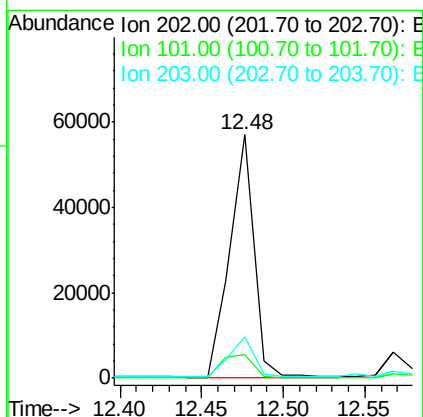
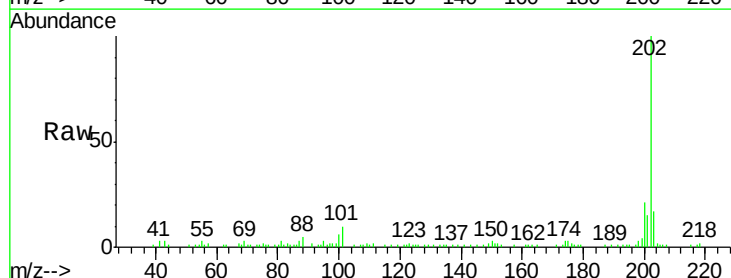
Instrument :
 BNA_F
 ClientSampleId :
 SP-18

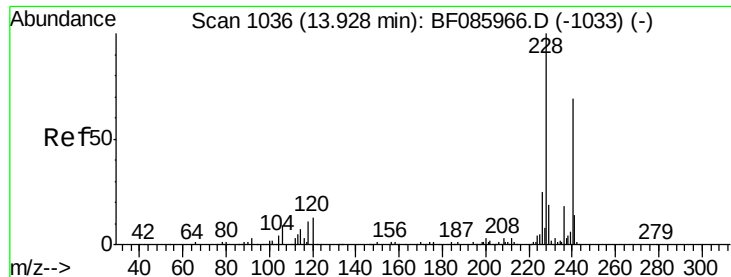
Tgt Ion:248 Resp: 7993
 Ion Ratio Lower Upper
 248 100
 250 192.1 77.4 116.0#
 141 574.3 63.6 95.4#



#74
 Fluoranthene
 Concen: 3.16 ng
 RT: 12.48 min Scan# 909
 Delta R.T. -0.02 min
 Lab File: BF086108.D
 Acq: 6 Apr 2016 20:03

Tgt Ion:202 Resp: 58935
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 36.6
 203 17.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.03 min

Lab File: BF086108.D

Acq: 6 Apr 2016 20:03

Instrument :

BNA_F

ClientSampleId :

SP-18

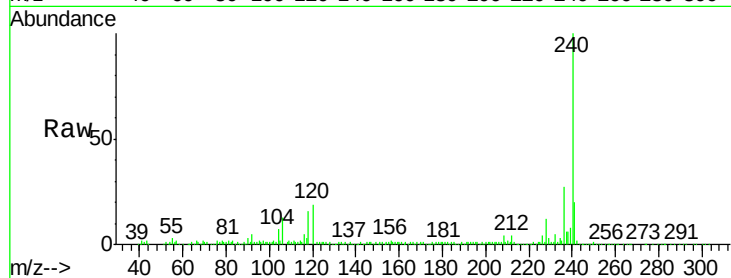
Tgt Ion:240 Resp: 339806

Ion Ratio Lower Upper

240 100

120 19.0 13.8 20.8

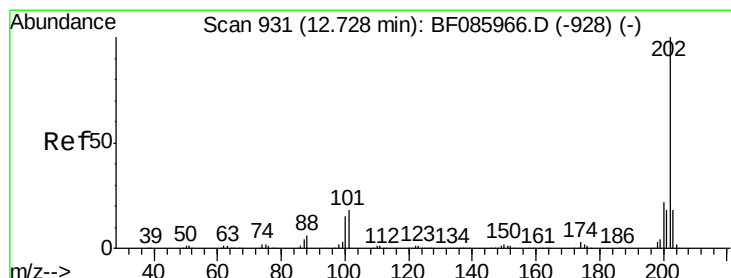
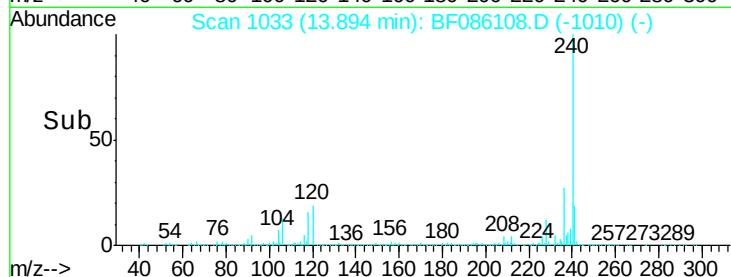
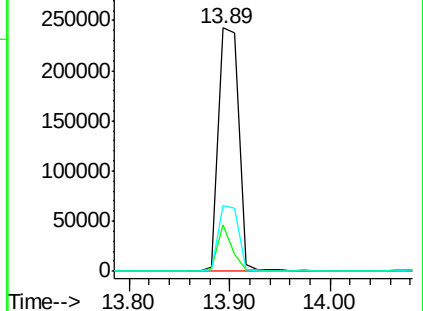
236 27.0 20.6 30.8



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: 2.61 ng

RT: 12.70 min Scan# 929

Delta R.T. -0.02 min

Lab File: BF086108.D

Acq: 6 Apr 2016 20:03

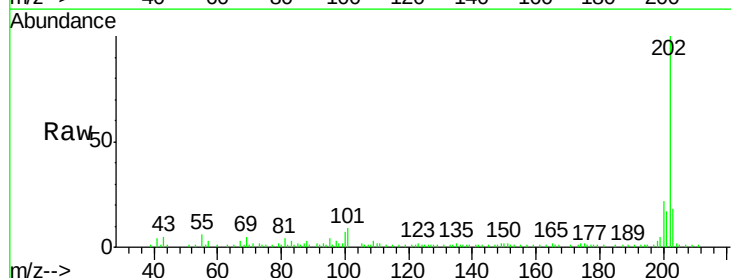
Tgt Ion:202 Resp: 62567

Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

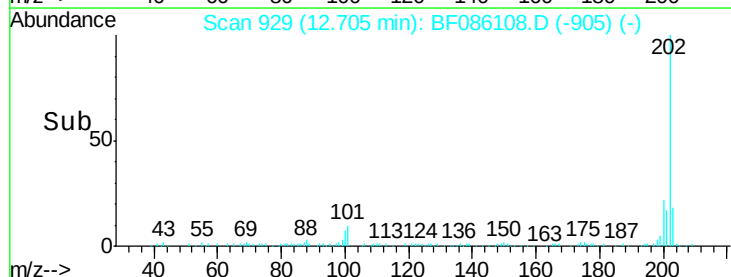
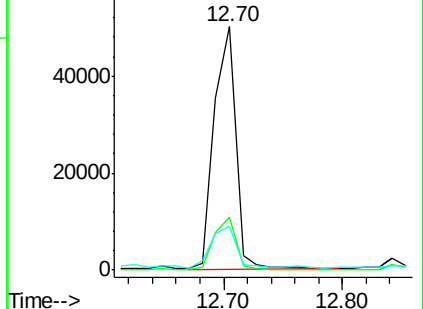
203 18.2 14.0 21.0

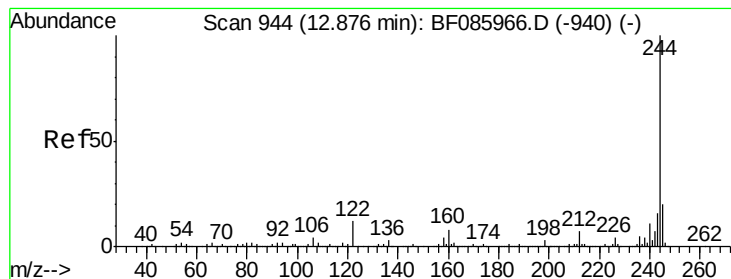


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 32.41 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.03 min

Lab File: BF086108.D

Acq: 6 Apr 2016 20:03

Instrument :

BNA_F

ClientSampleId :

SP-18

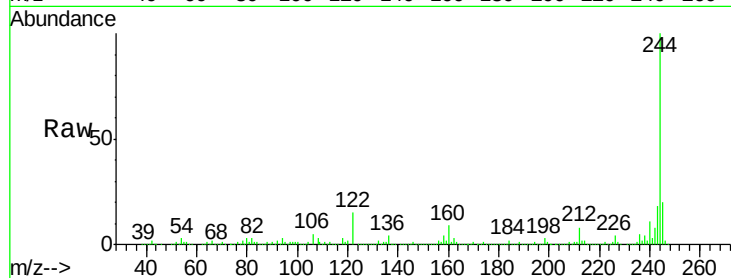
Tgt Ion:244 Resp: 468536

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

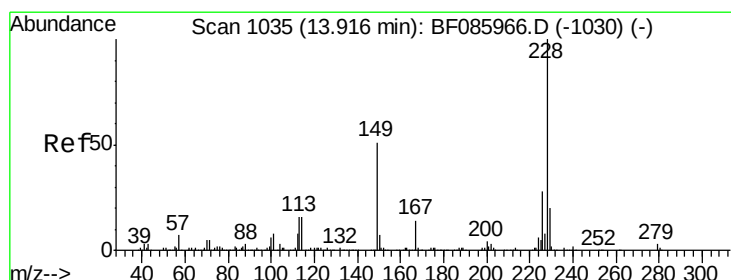
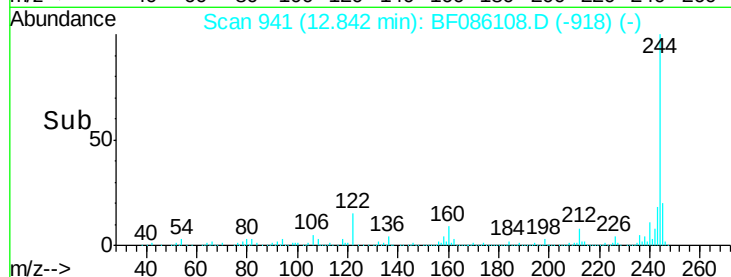
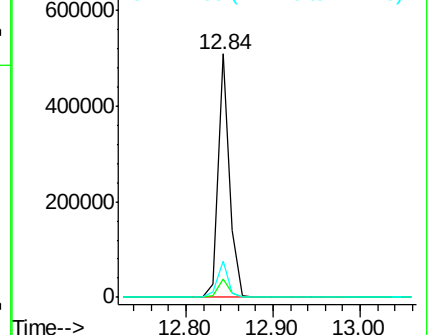
122 15.0 10.2 15.4



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: 2.10 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BF086108.D

Acq: 6 Apr 2016 20:03

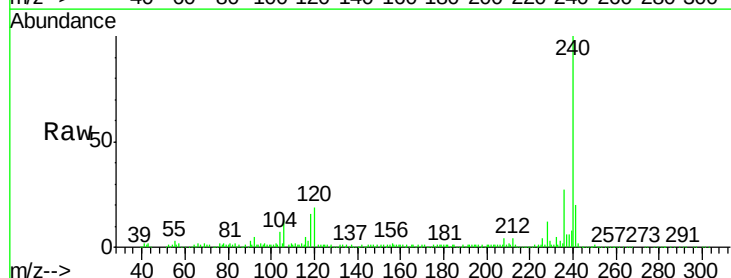
Tgt Ion:228 Resp: 42008

Ion Ratio Lower Upper

228 100

226 35.1 22.1 33.1#

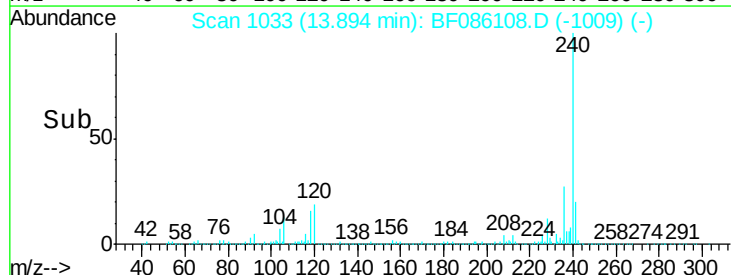
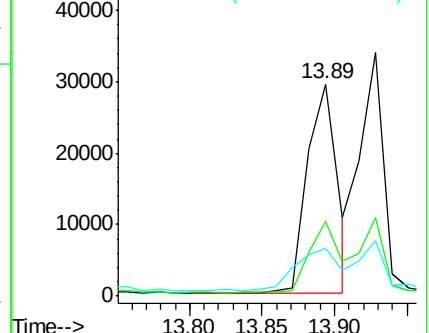
229 22.7 16.2 24.4

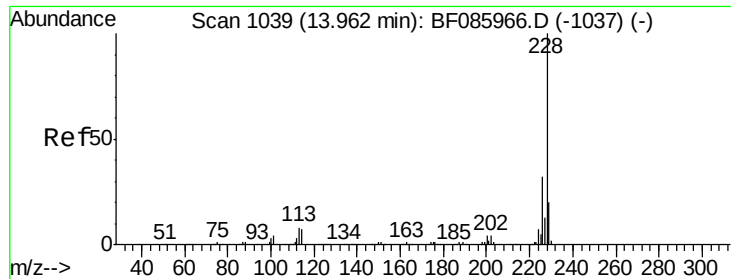


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.18 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.07 min

Lab File: BF086108.D

Acq: 6 Apr 2016 20:03

Instrument :

BNA_F

ClientSampleId :

SP-18

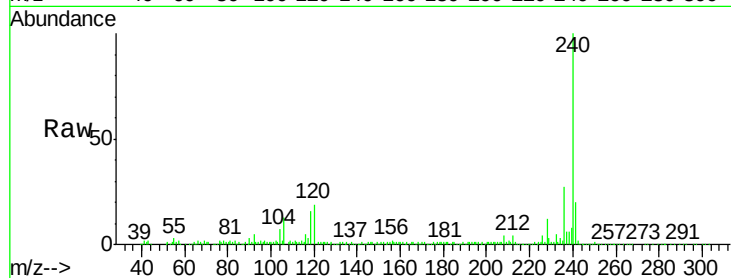
Tgt Ion:228 Resp: 42008

Ion Ratio Lower Upper

228 100

226 35.1 25.0 37.6

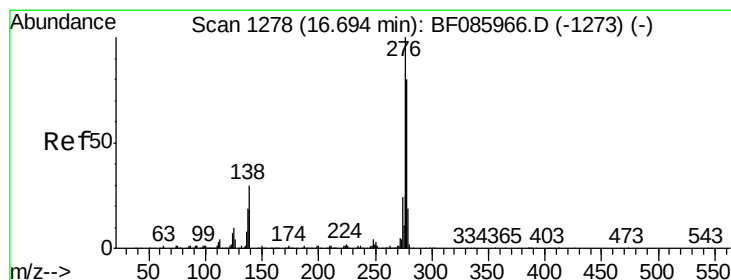
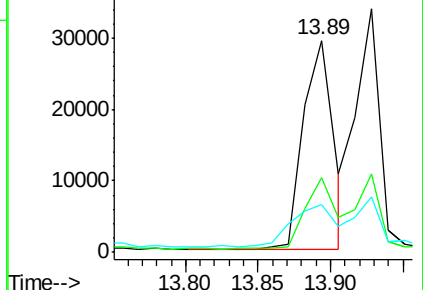
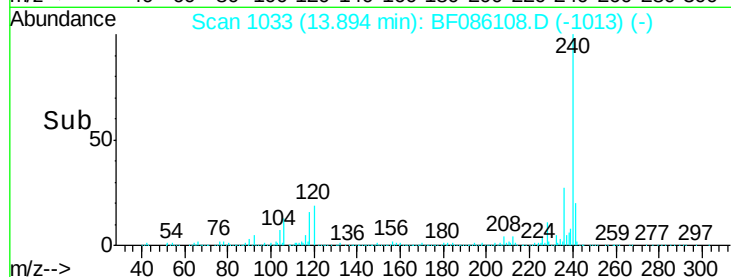
229 22.7 15.7 23.5



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: 2.61 ng

RT: 16.65 min Scan# 1274

Delta R.T. -0.05 min

Lab File: BF086108.D

Acq: 6 Apr 2016 20:03

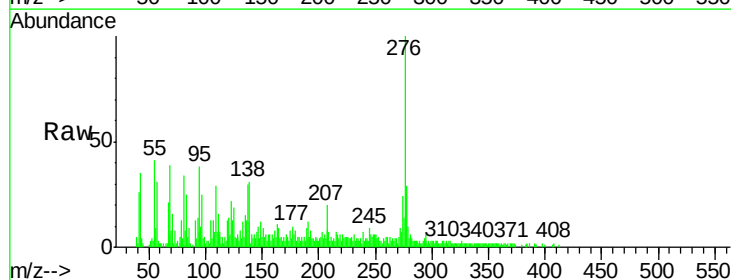
Tgt Ion:276 Resp: 40932

Ion Ratio Lower Upper

276 100

138 24.6 24.2 36.4

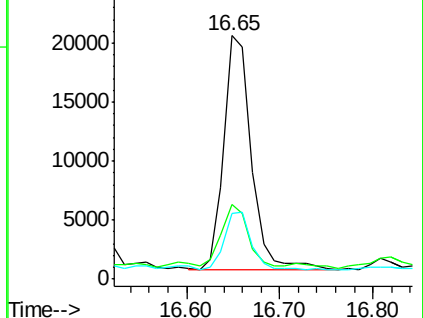
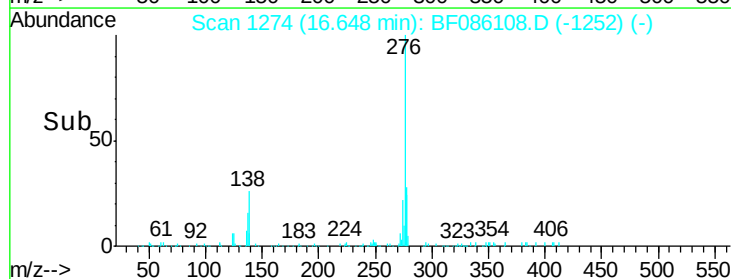
277 23.0 20.0 30.0

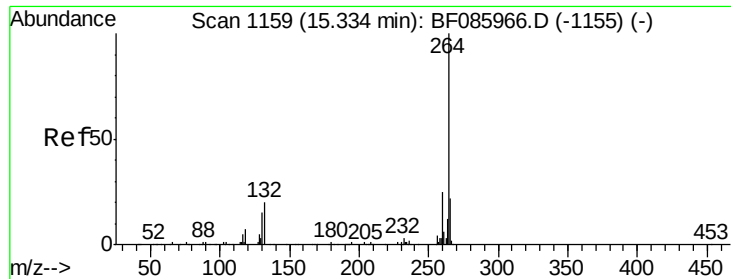


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



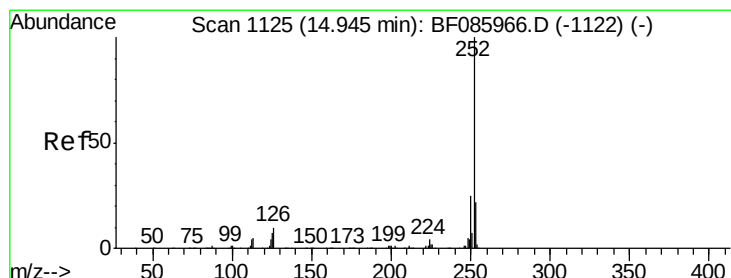
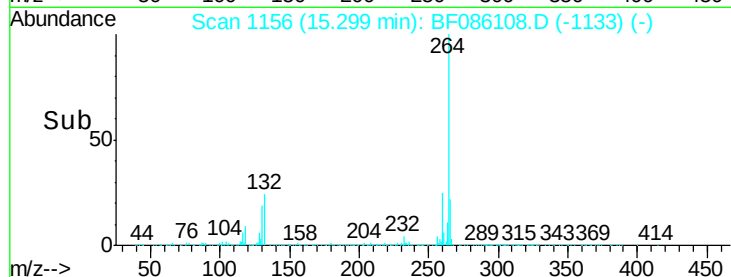
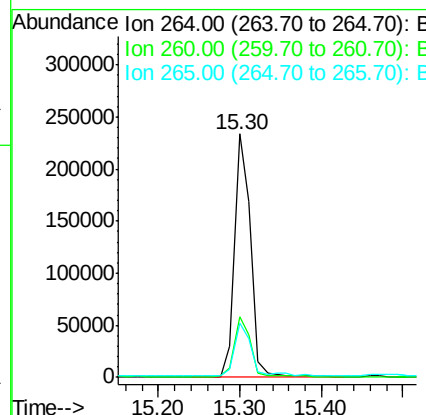
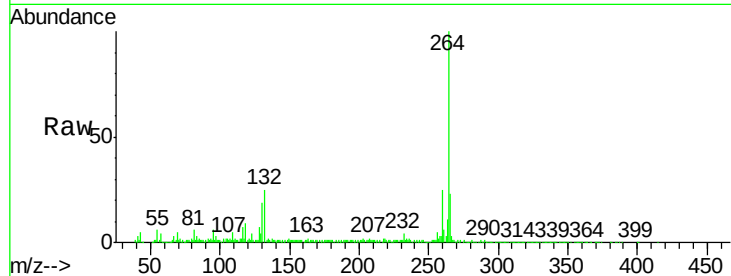


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.03 min
Lab File: BF086108.D
Acq: 6 Apr 2016 20:03

Instrument :
BNA_F
ClientSampleId :
SP-18

Tgt Ion: 264 Resp: 312907

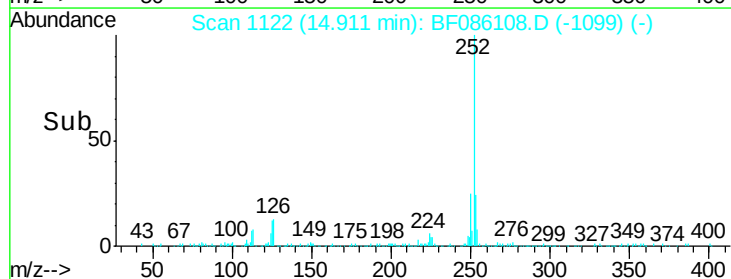
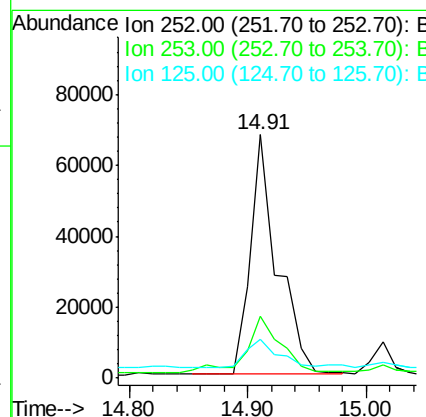
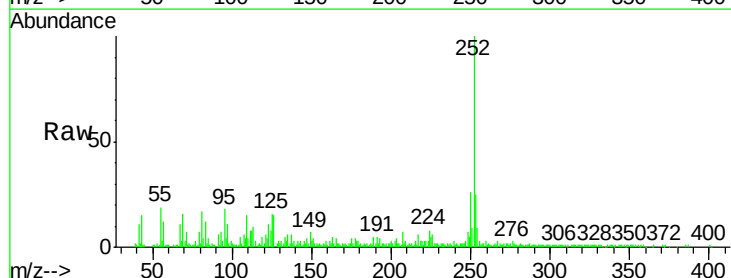
Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.4	29.2
265	22.5	17.2	25.8

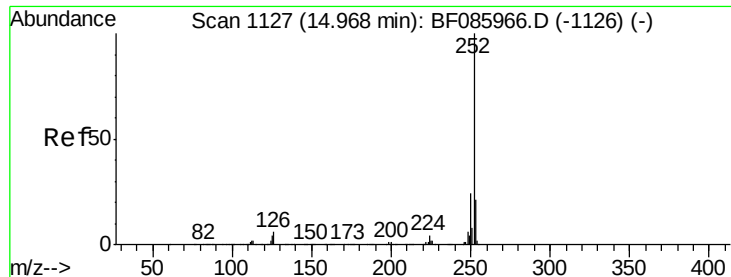


#87
Benzo(b)fluoranthene
Concen: 5.47 ng
RT: 14.91 min Scan# 1122
Delta R.T. -0.03 min
Lab File: BF086108.D
Acq: 6 Apr 2016 20:03

Tgt Ion: 252 Resp: 107627

Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.6	26.4
125	15.7	10.3	15.5#

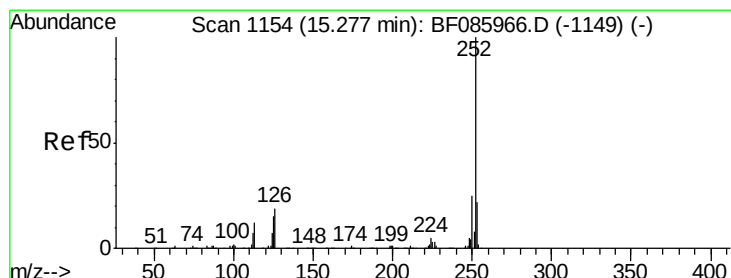
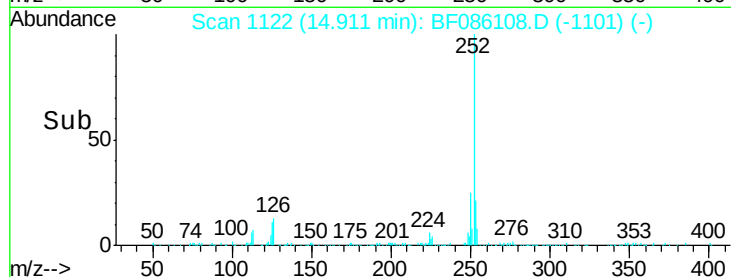
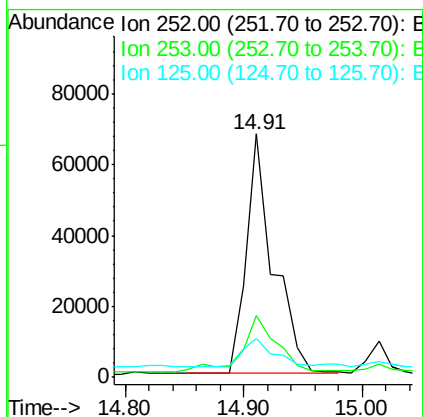
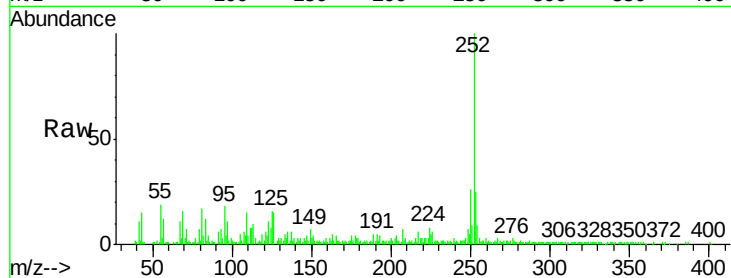




#88
Benzo(k)fluoranthene
Concen: 6.17 ng
RT: 14.91 min Scan# 1122
Delta R.T. -0.06 min
Lab File: BF086108.D
Acq: 6 Apr 2016 20:03

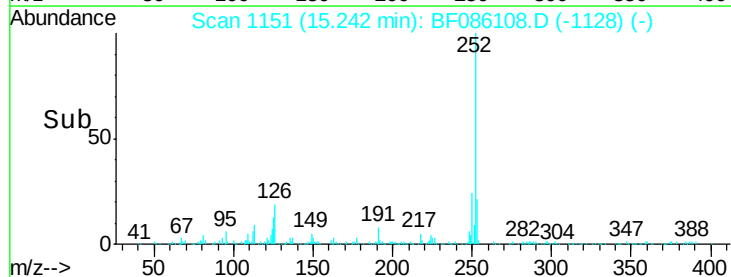
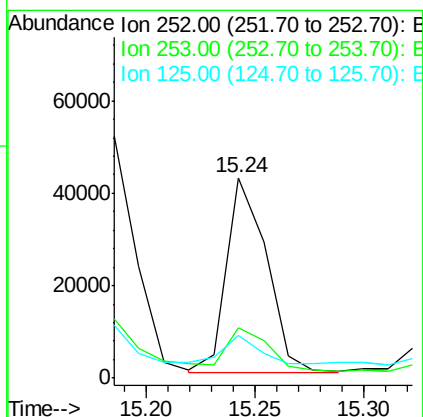
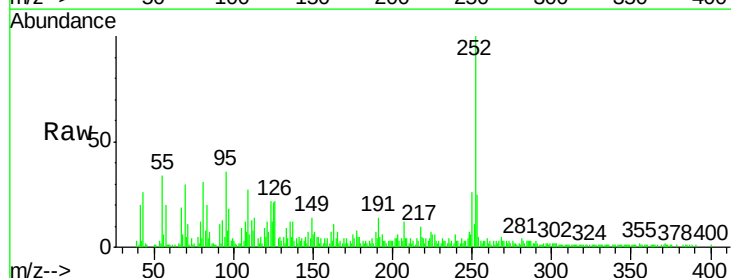
Instrument :
BNA_F
ClientSampleId :
SP-18

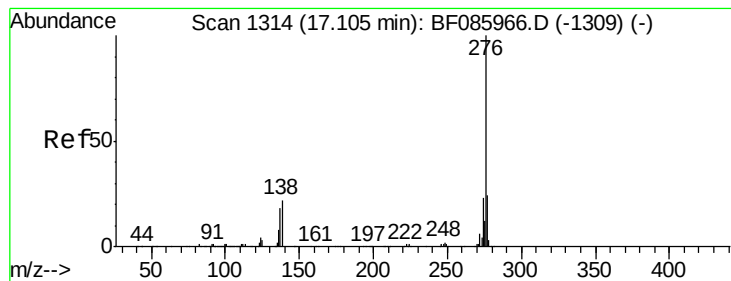
Tgt Ion:252 Resp: 107627
Ion Ratio Lower Upper
252 100
253 25.2 17.8 26.6
125 15.7 7.7 11.5#



#89
Benzo(a)pyrene
Concen: 3.12 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF086108.D
Acq: 6 Apr 2016 20:03

Tgt Ion:252 Resp: 54331
Ion Ratio Lower Upper
252 100
253 25.4 17.4 26.0
125 21.3 10.3 15.5#





#91

Benzo(g,h,i)perylene

Concen: 3.47 ng

RT: 17.06 min Scan# 1310

Delta R.T. -0.05 min

Lab File: BF086108.D

Acq: 6 Apr 2016 20:03

Instrument :

BNA_F

ClientSampleId :

SP-18

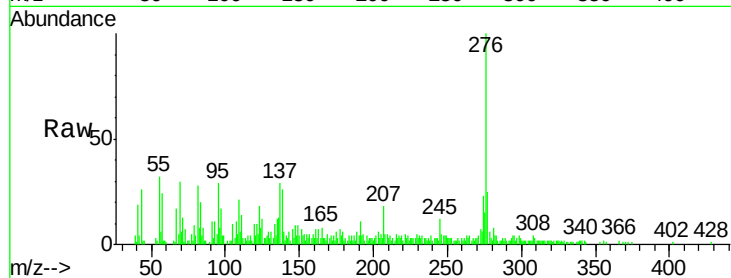
Tgt Ion: 276 Resp: 47112

Ion Ratio Lower Upper

276 100

277 24.5 18.8 28.2

138 25.7 22.6 34.0



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

