

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030416\
 Data File : BF085239.D
 Acq On : 5 Mar 2016 8:11
 Operator : SJ/IZ
 Sample : H1683-06
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-20-COMP-(0.0-2.0)

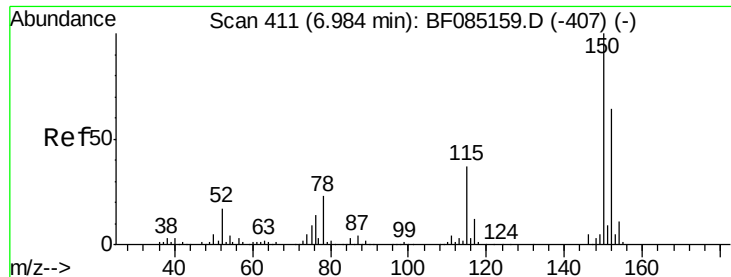
Quant Time: Mar 07 00:02:46 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	152924	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	587135	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	238838	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	426714	20.00	ng	-0.01
75) Chrysene-d12	14.13	240	252067	20.00	ng	-0.02
86) Perylene-d12	15.60	264	231927	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	1429177	156.76	ng	0.01
7) Phenol-d6	6.60	99	1485031	124.33	ng	-0.01
23) Nitrobenzene-d5	7.53	82	955976	87.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	325473	159.26	ng	-0.01
44) 2-Fluorobiphenyl	9.33	172	1393703	88.75	ng	-0.02
78) Terphenyl-d14	13.08	244	819197	75.44	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	1186	Below Cal		89
15) Benzyl Alcohol	7.12	79	17923	2.04	ng	# 48
19) n-Nitroso-di-n-propylamine	7.53	70	130328	16.74	ng	# 78
27) 2,4-Dimethylphenol	7.96	122	29592	2.99	ng	# 6
32) Benzoic acid	7.96	122	29592	4.49	ng	98
49) Dimethylphthalate	9.72	163	253310	13.82	ng	# 99
56) 2,4-Dinitrotoluene	10.01	165	30219	6.02	ng	# 22
66) 4-Bromophenyl-phenylether	10.80	248	23865	5.76	ng	# 1
70) Phenanthrene	11.52	178	165964	7.42	ng	96
71) Anthracene	11.57	178	50092	2.11	ng	97
74) Fluoranthene	12.71	202	333052	14.84	ng	95
77) Pyrene	12.94	202	311597	16.42	ng	97
80) Benzo(a)anthracene	14.12	228	152082	10.08	ng	100
82) Chrysene	14.12	228	152082	10.91	ng	96
83) Bis(2-ethylhexyl)phthalate	14.11	149	149862	13.23	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.07	276	68995	6.34	ng	95
87) Benzo(b)fluoranthene	15.17	252	225999	14.62	ng	99
88) Benzo(k)fluoranthene	15.17	252	225999	18.12	ng	98
89) Benzo(a)pyrene	15.53	252	114271	8.92	ng	# 93
91) Benzo(g,h,i)perylene	17.51	276	68384	6.22	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 410

Delta R.T. -0.01 min

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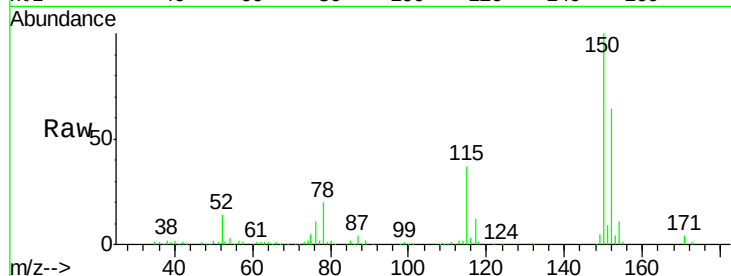
Tgt Ion:152 Resp: 152924

Ion Ratio Lower Upper

152 100

150 155.4 124.6 186.8

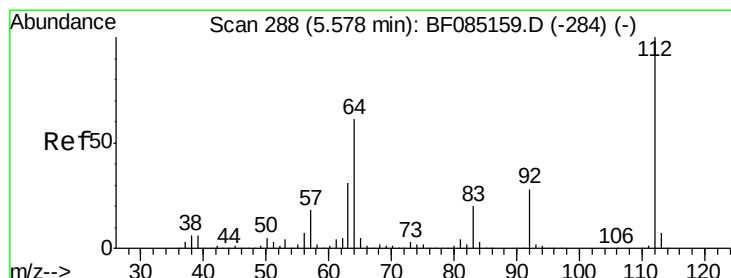
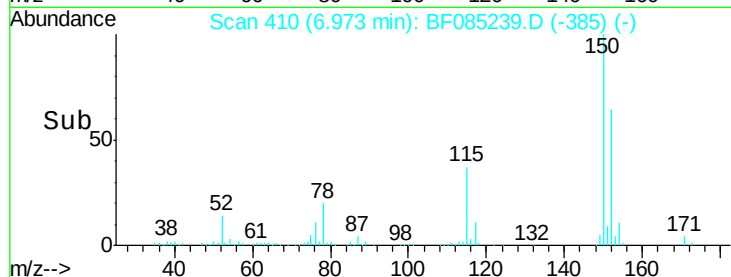
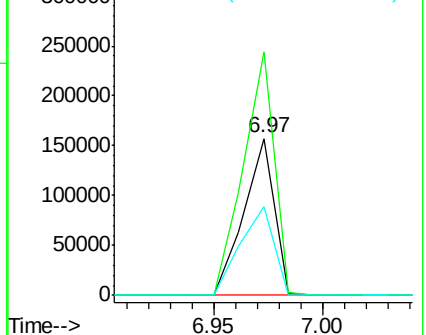
115 56.9 46.6 70.0



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: 156.76 ng

RT: 5.59 min Scan# 289

Delta R.T. 0.01 min

Lab File: BF085239.D

Acq: 5 Mar 2016 8:11

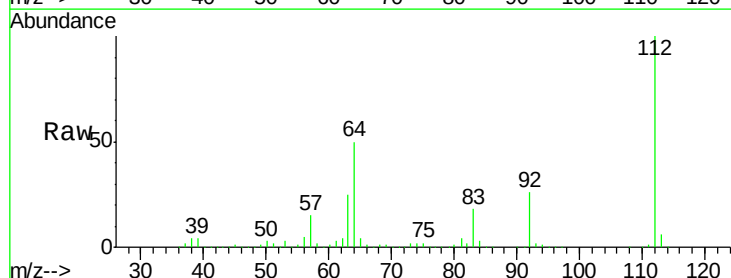
Tgt Ion:112 Resp: 1429177

Ion Ratio Lower Upper

112 100

64 50.2 49.0 73.4

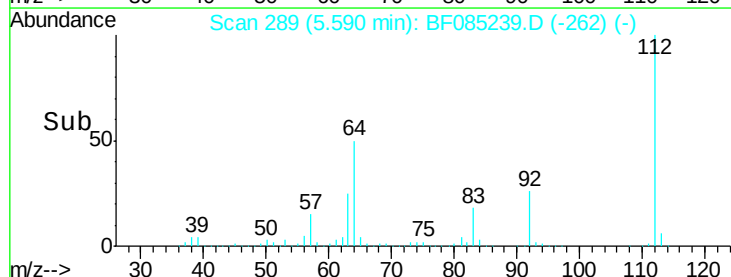
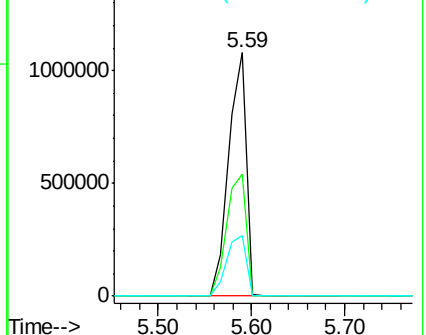
63 25.0 24.8 37.2

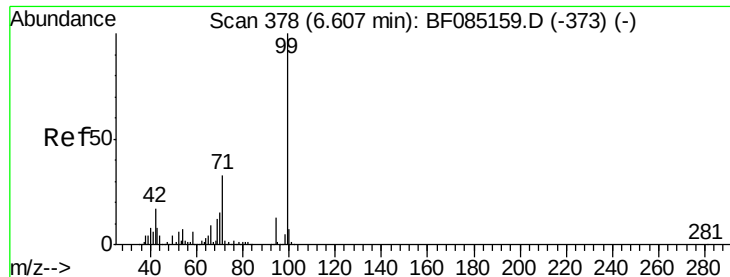


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 124.33 ng

RT: 6.60 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF085239.D

Acq: 5 Mar 2016 8:11

Instrument :

BNA_F

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SB-20-COMP-(0.0-2.0)

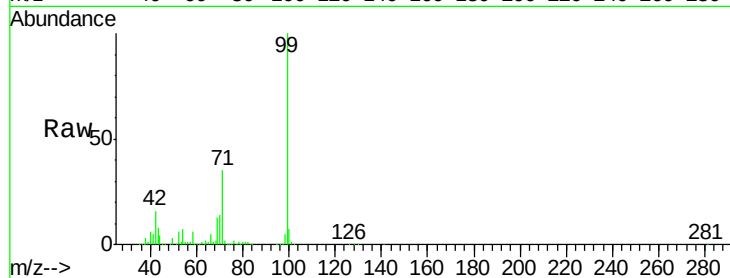
Tgt Ion: 99 Resp: 1485031

Ion Ratio Lower Upper

99 100

42 16.4 13.6 20.4

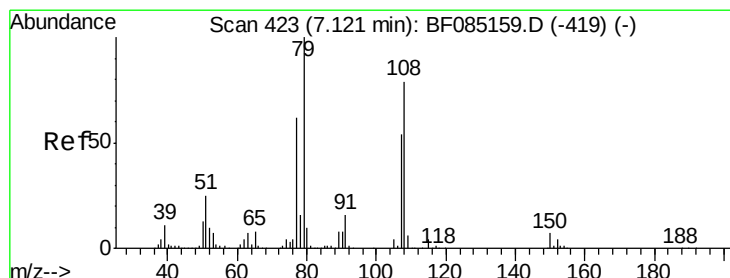
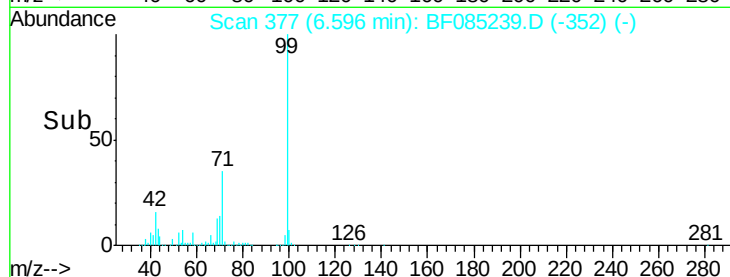
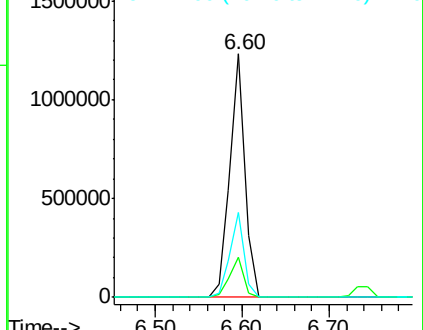
71 34.8 26.7 40.1



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



#15

Benzyl Alcohol

Concen: 2.04 ng

RT: 7.12 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF085239.D

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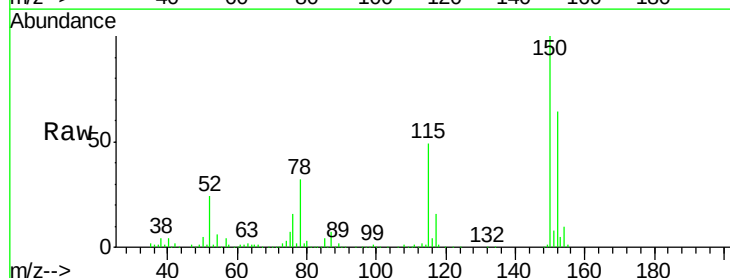
Tgt Ion: 79 Resp: 17923

Ion Ratio Lower Upper

79 100

108 28.7 62.9 94.3#

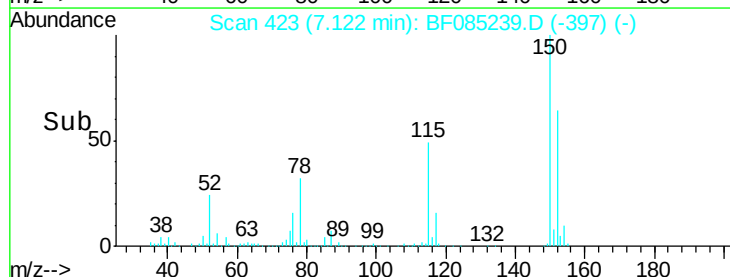
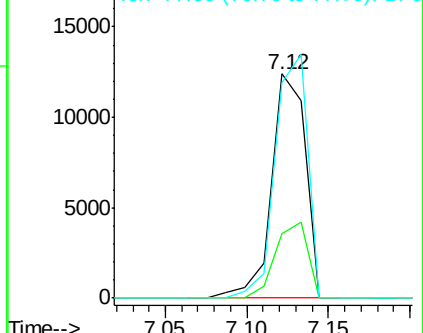
77 96.2 49.5 74.3#

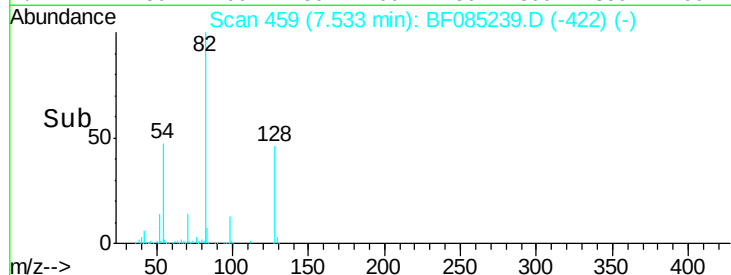
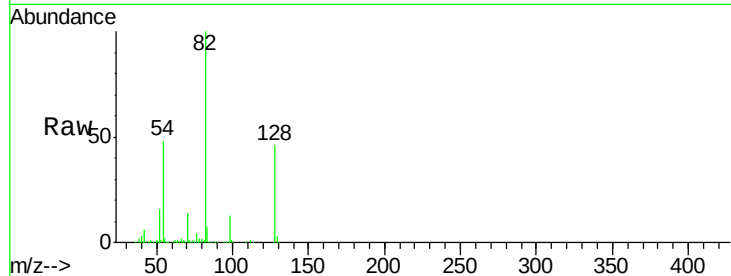
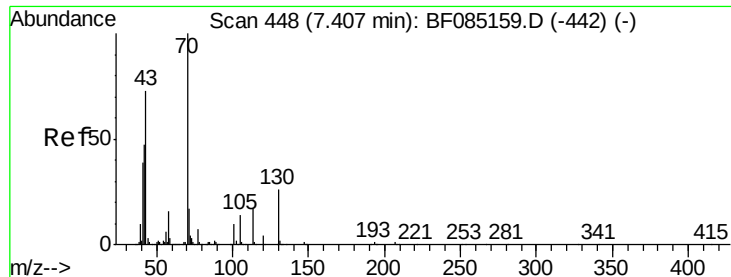


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

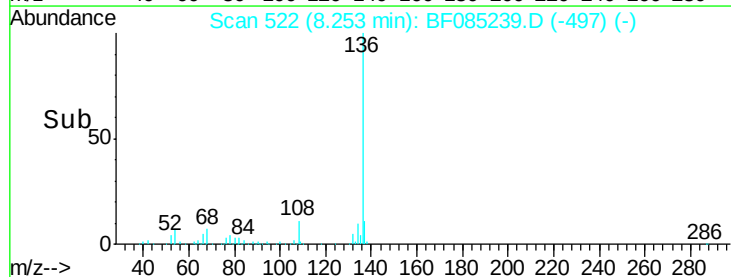
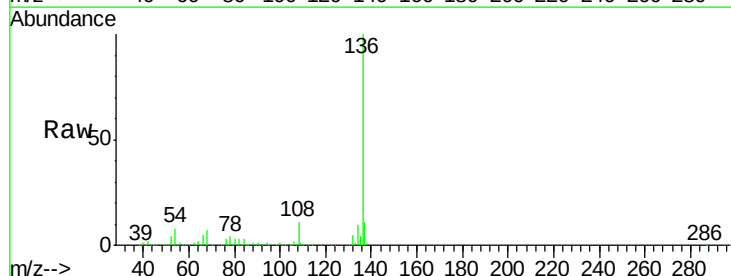
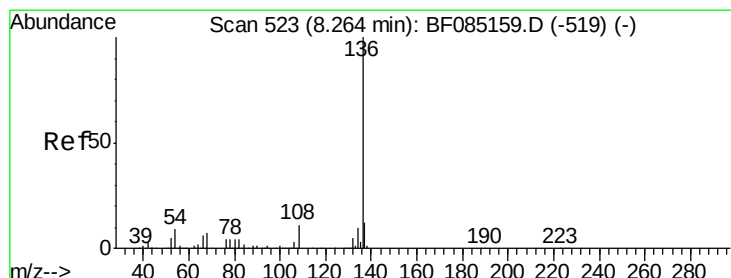
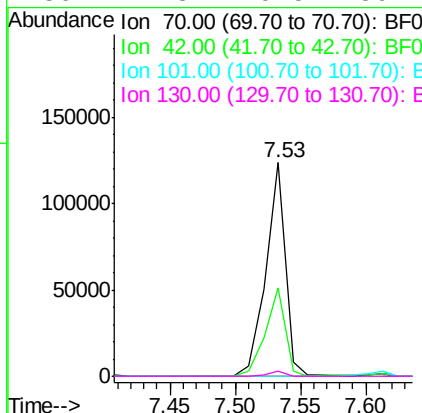




#19
n-Nitroso-di-n-propylamine
Concen: 16.74 ng
RT: 7.53 min Scan# 459
Delta R.T. 0.13 min
Lab File: BF085239.D
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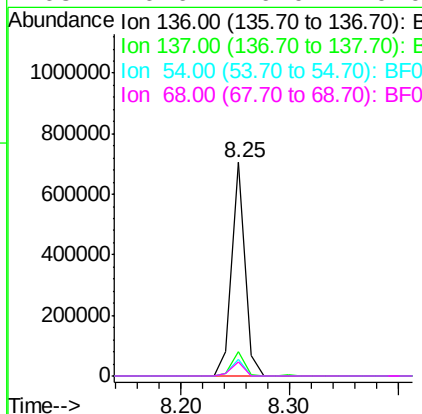
Instrument :
BNA_F
ClientSampleId :
SB-20-COMP-(0.0-2.0)

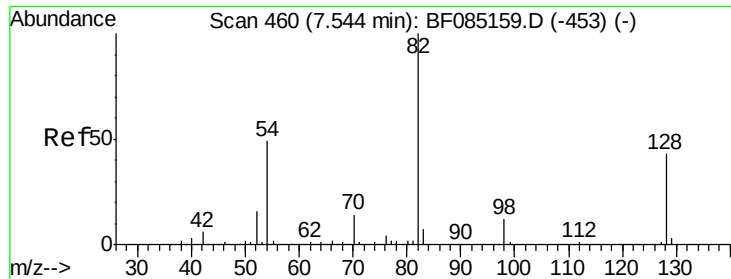
Tgt Ion: 70 Resp: 130328
Ion Ratio Lower Upper
70 100
42 41.4 37.7 56.5
101 0.0 8.2 12.4#
130 2.3 20.5 30.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.25 min Scan# 522
Delta R.T. -0.01 min
Lab File: BF085239.D
Acq: 5 Mar 2016 8:11

Tgt Ion: 136 Resp: 587135
Ion Ratio Lower Upper
136 100
137 11.3 9.3 13.9
54 7.5 7.4 11.2
68 6.6 6.0 9.0

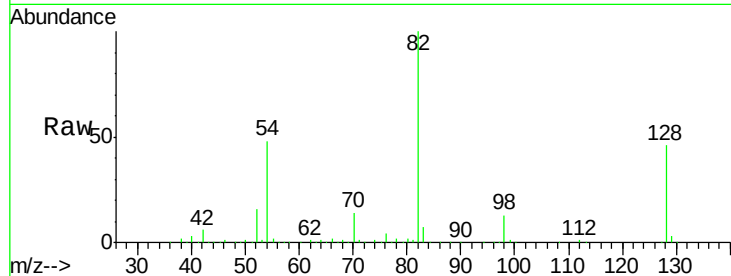




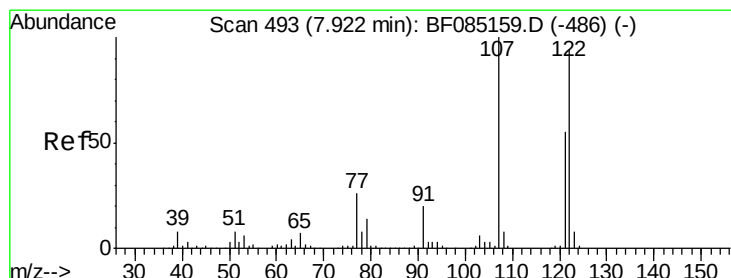
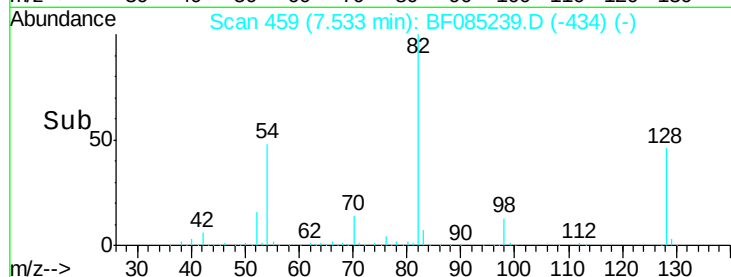
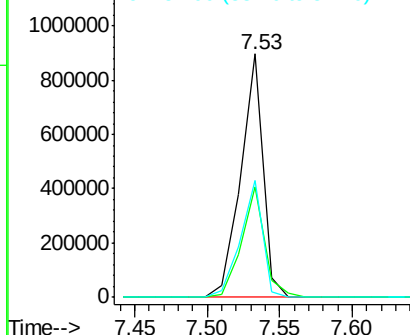
#23
 Nitrobenzene-d5
 Concen: 87.13 ng
 RT: 7.53 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: BF085239.D
 Acq: 5 Mar 2016 8:11

Instrument :
 BNA_F
 ClientSampleId :
 SB-20-COMP-(0.0-2.0)

Tgt Ion: 82 Resp: 955976
 Ion Ratio Lower Upper
 82 100
 128 45.5 34.5 51.7
 54 47.8 39.3 58.9

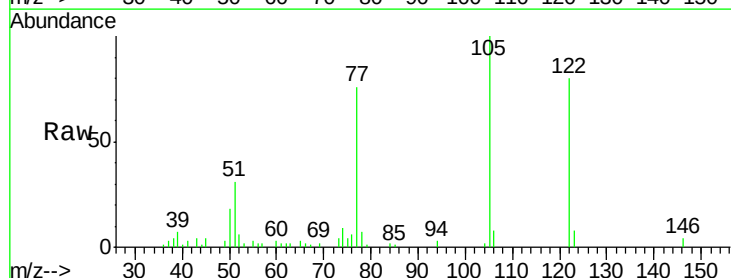


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

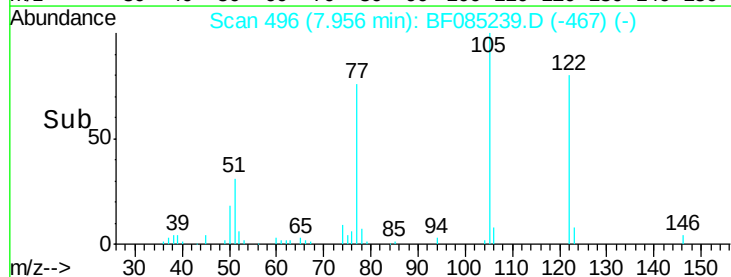
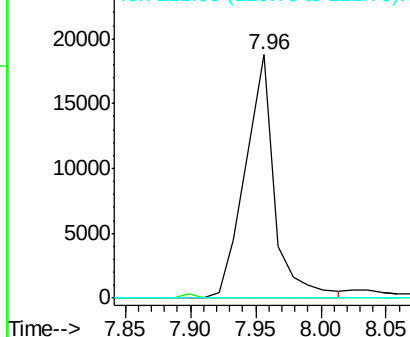


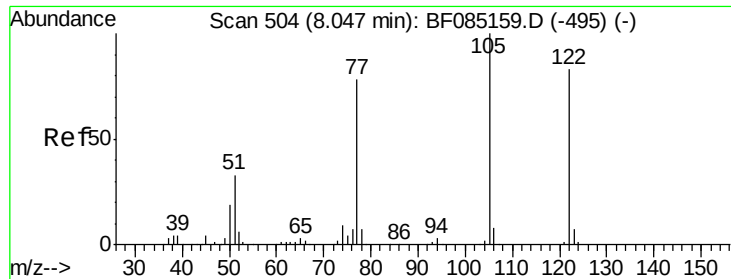
#27
 2,4-Dimethylphenol
 Concen: 2.99 ng
 RT: 7.96 min Scan# 496
 Delta R.T. 0.03 min
 Lab File: BF085239.D
 Acq: 5 Mar 2016 8:11

Tgt Ion: 122 Resp: 29592
 Ion Ratio Lower Upper
 122 100
 107 0.0 84.8 127.2#
 121 0.0 47.0 70.6#



Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

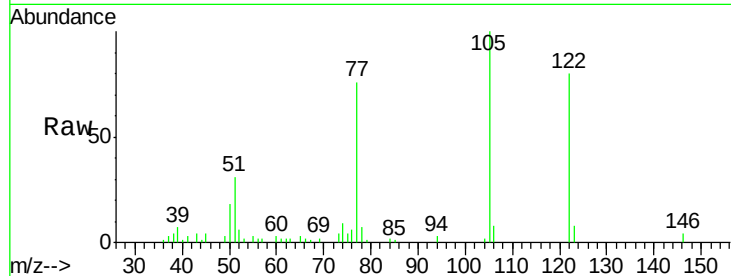




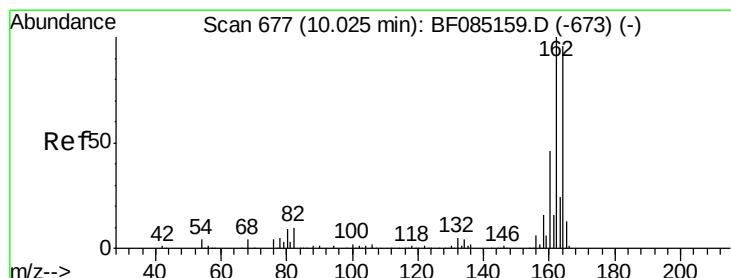
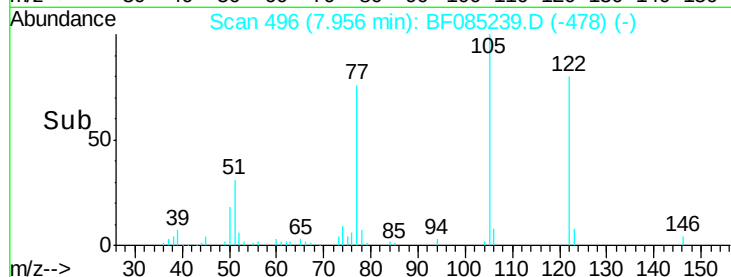
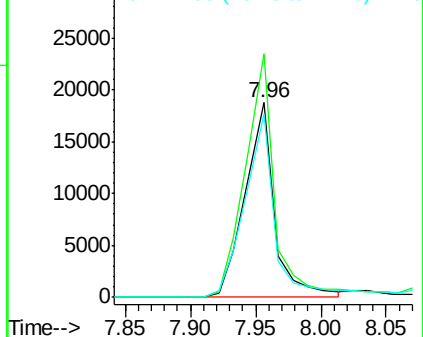
#32
Benzoic acid
Concen: 4.49 ng
RT: 7.96 min Scan# 496
Delta R.T. -0.09 min
Lab File: BF085239.D
Acq: 5 Mar 2016 8:11

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:122 Resp: 29592
Ion Ratio Lower Upper
122 100
105 125.0 101.3 141.3
77 94.5 74.7 114.7

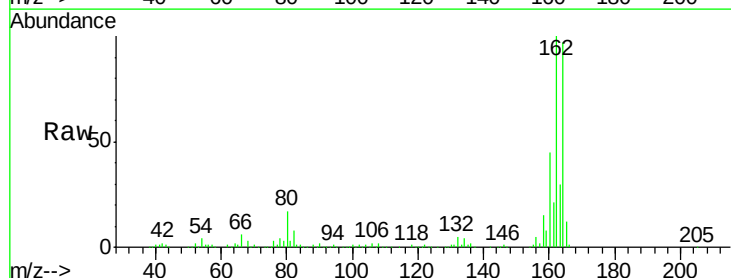


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

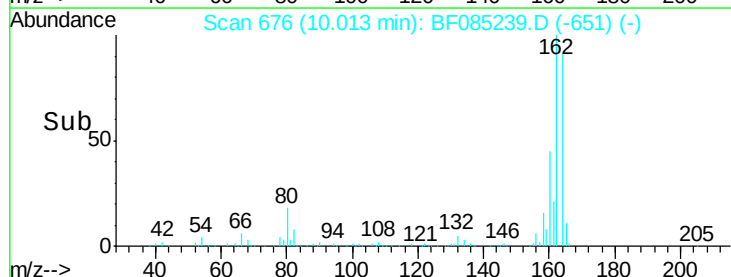
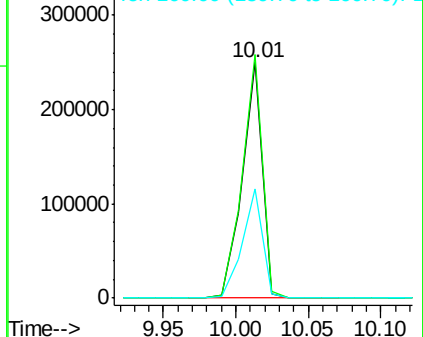


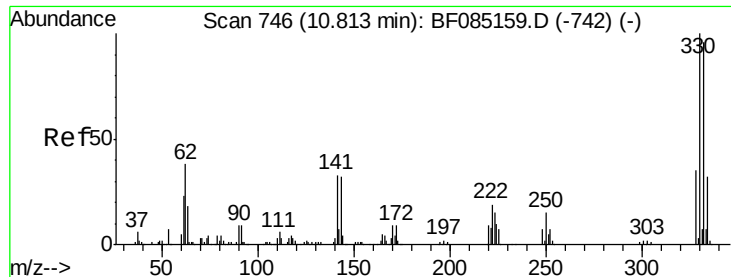
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.01 min Scan# 676
Delta R.T. -0.01 min
Lab File: BF085239.D
Acq: 5 Mar 2016 8:11

Tgt Ion:164 Resp: 238838
Ion Ratio Lower Upper
164 100
162 103.2 83.3 124.9
160 46.6 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

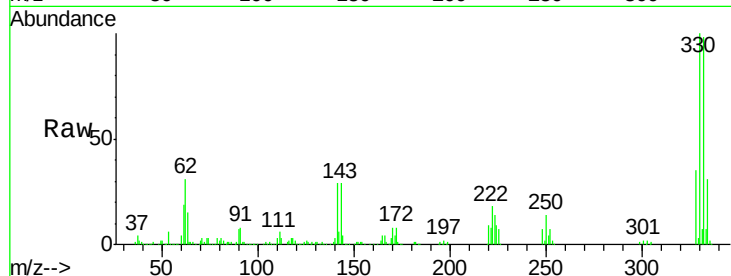




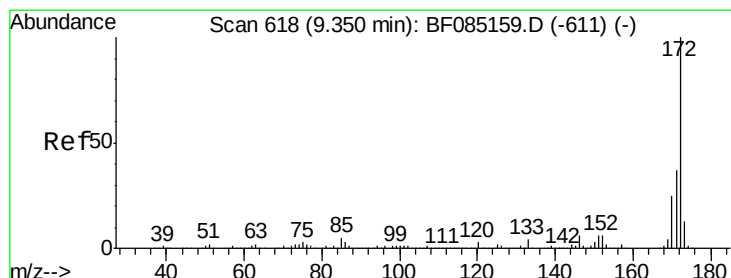
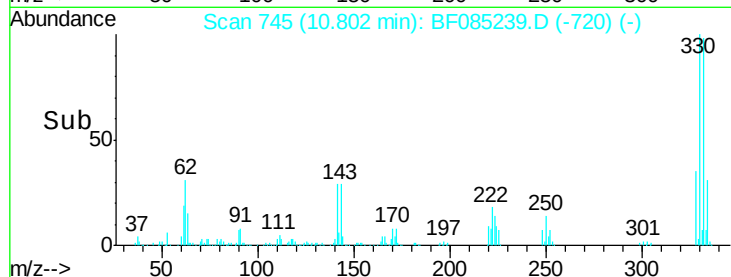
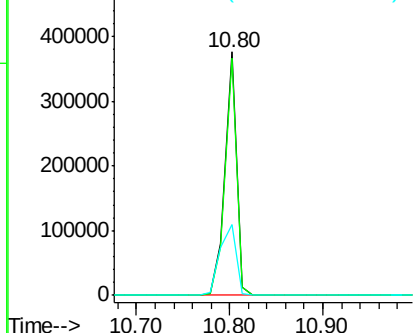
#41
 2,4,6-Tribromophenol
 Concen: 159.26 ng
 RT: 10.80 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF085239.D
 Acq: 5 Mar 2016 8:11

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 SB-20-COMP-(0.0-2.0)

Tgt Ion:330 Resp: 325473
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.1 115.7
 141 40.7 35.0 52.6

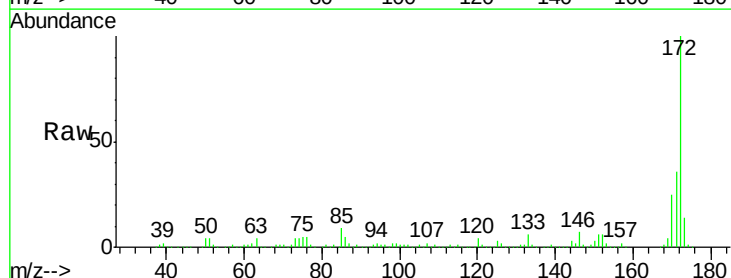


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

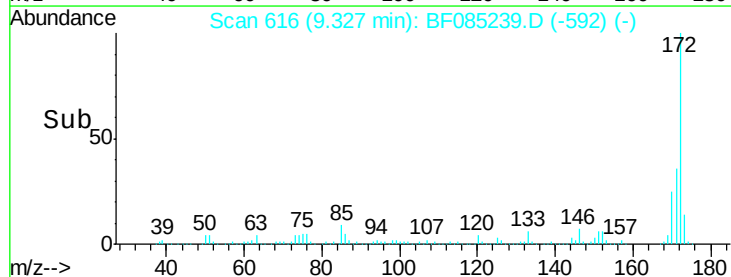
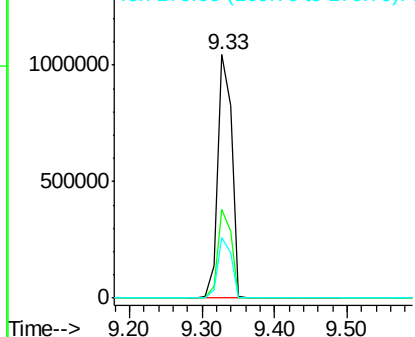


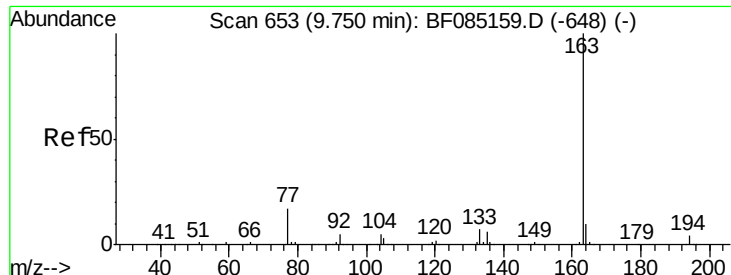
#44
 2-Fluorobiphenyl
 Concen: 88.75 ng
 RT: 9.33 min Scan# 616
 Delta R.T. -0.02 min
 Lab File: BF085239.D
 Acq: 5 Mar 2016 8:11

Tgt Ion:172 Resp: 1393703
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.3 43.9
 170 24.7 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

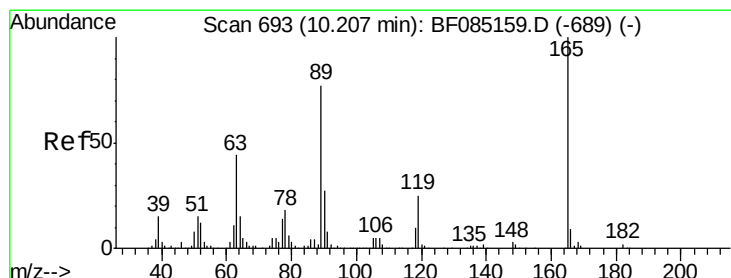
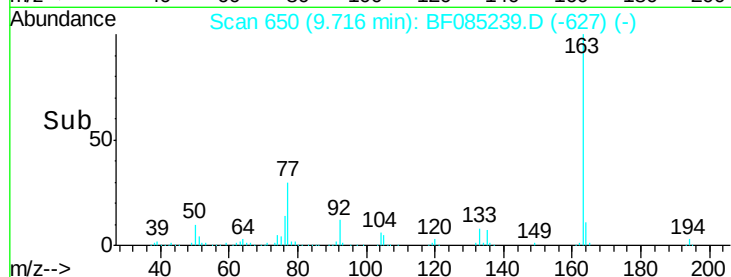
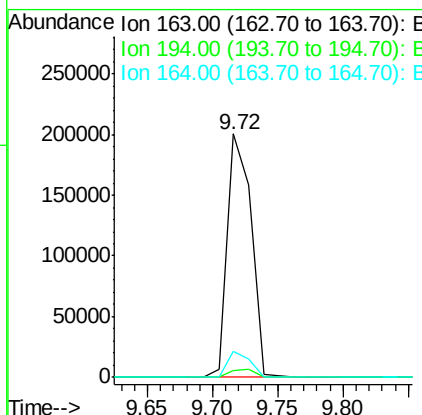
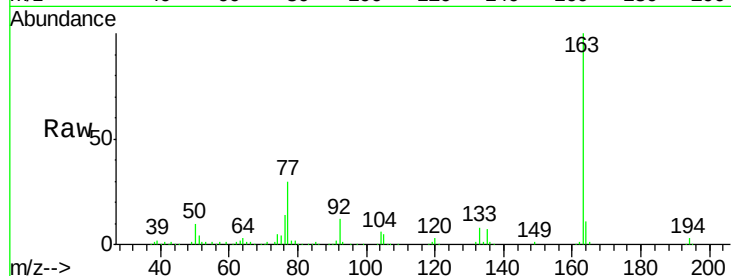




#49
Dimethylphthalate
Concen: 13.82 ng
RT: 9.72 min Scan# 650
Delta R.T. -0.03 min
Lab File: BF085239.D
Acq: 5 Mar 2016 8:11

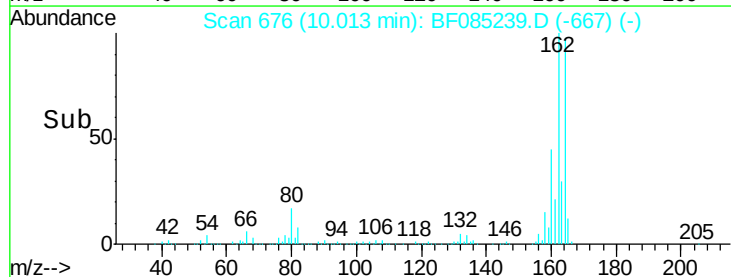
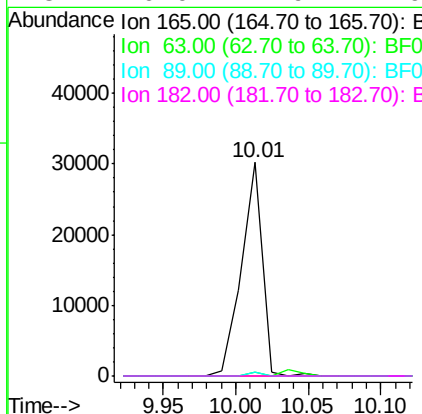
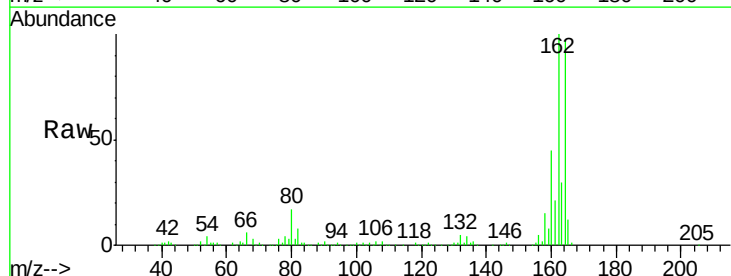
Instrument :
BNA_F
ClientSampleId :
SB-20-COMP-(0.0-2.0)

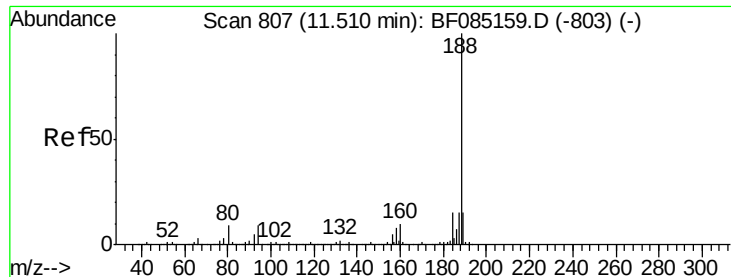
Tgt Ion:163 Resp: 253310
Ion Ratio Lower Upper
163 100
194 3.0 3.1 4.7#
164 10.5 8.2 12.4



#56
2,4-Dinitrotoluene
Concen: 6.02 ng
RT: 10.01 min Scan# 676
Delta R.T. -0.19 min
Lab File: BF085239.D
Acq: 5 Mar 2016 8:11

Tgt Ion:165 Resp: 30219
Ion Ratio Lower Upper
165 100
63 1.5 35.4 53.0#
89 1.9 61.9 92.9#
182 0.0 1.9 2.9#

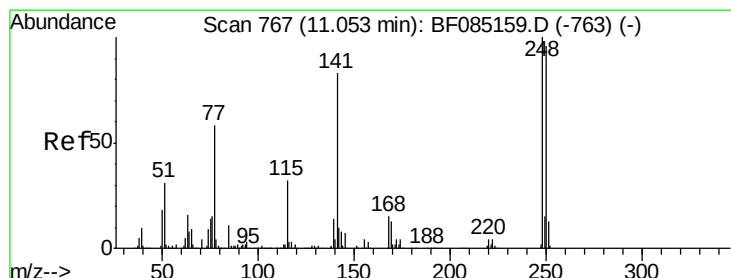
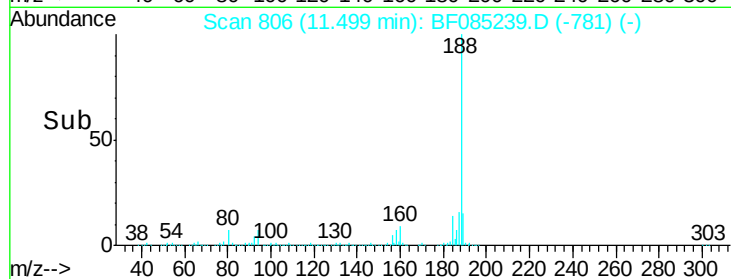
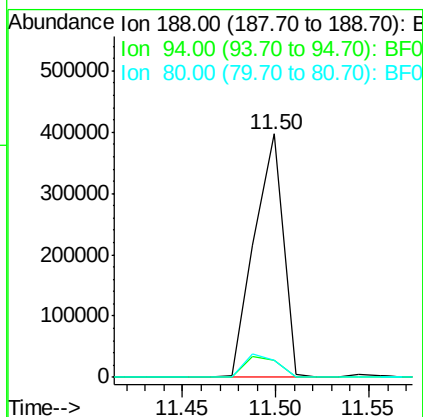
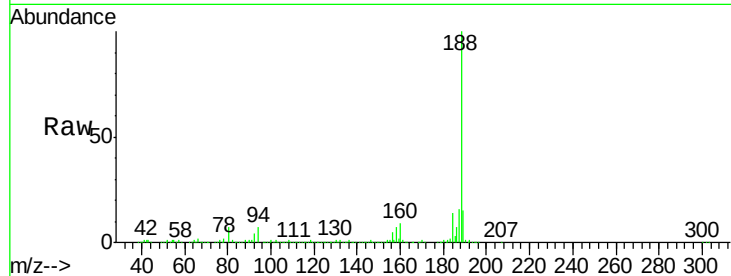




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF085239.D
Acq: 5 Mar 2016 8:11

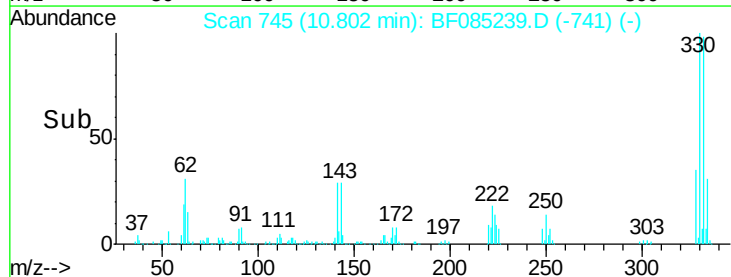
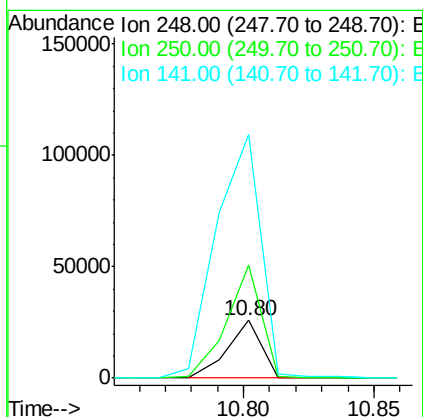
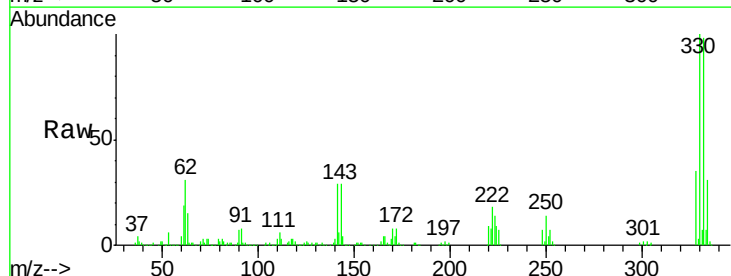
Instrument :
BNA_F
ClientSampleId :
SB-20-COMP-(0.0-2.0)

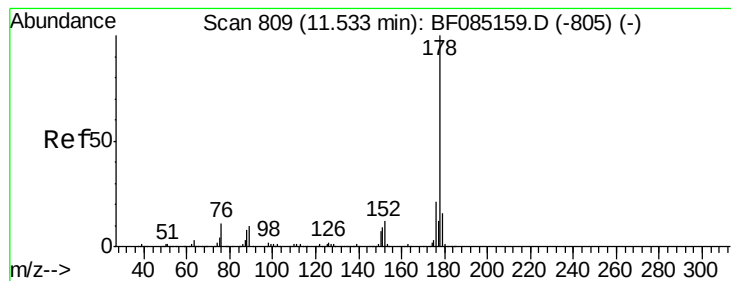
Tgt Ion:188 Resp: 426714
Ion Ratio Lower Upper
188 100
94 7.0 7.0 10.6#
80 6.8 7.4 11.0#



#66
4-Bromophenyl-phenylether
Concen: 5.76 ng
RT: 10.80 min Scan# 745
Delta R.T. -0.25 min
Lab File: BF085239.D
Acq: 5 Mar 2016 8:11

Tgt Ion:248 Resp: 23865
Ion Ratio Lower Upper
248 100
250 196.4 77.1 115.7#
141 421.1 66.2 99.2#





#70

Phenanthrene

Concen: 7.42 ng

RT: 11.52 min Scan# 808

Delta R.T. -0.01 min

Lab File: BF085239.D

Acq: 5 Mar 2016 8:11

Instrument :

BNA_F

ClientSampleId :

SB-20-COMP-(0.0-2.0)

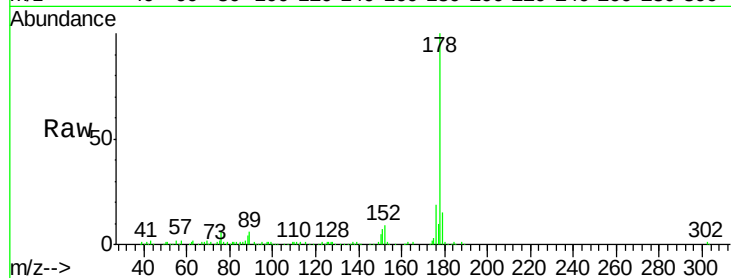
Tgt Ion:178 Resp: 165964

Ion Ratio Lower Upper

178 100

176 18.8 16.8 25.2

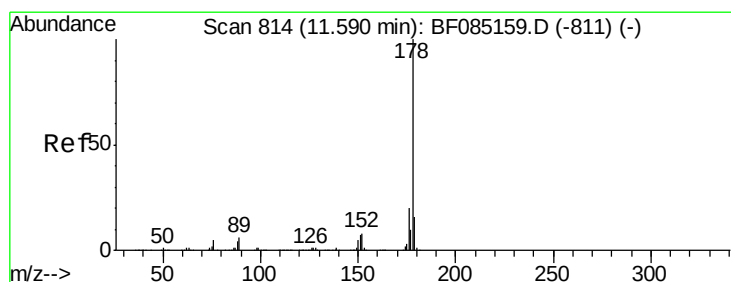
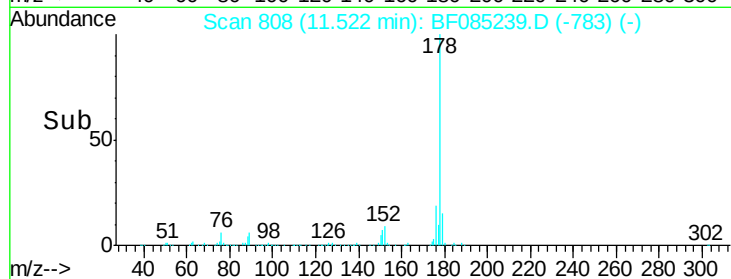
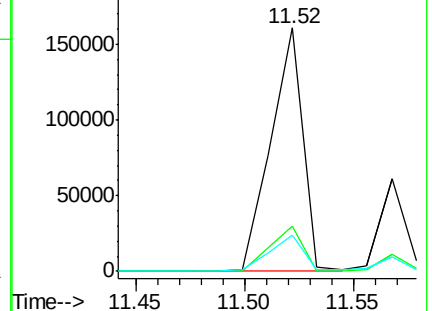
179 14.8 13.1 19.7



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: 2.11 ng

RT: 11.57 min Scan# 812

Delta R.T. -0.02 min

Lab File: BF085239.D

Acq: 5 Mar 2016 8:11

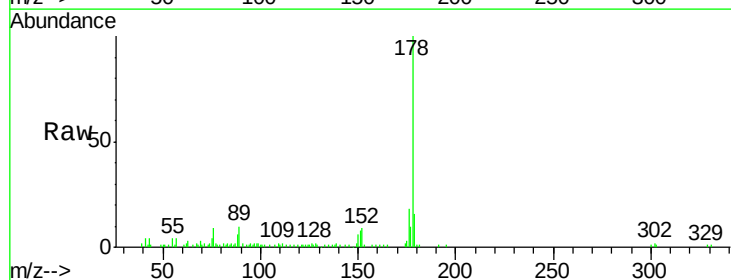
Tgt Ion:178 Resp: 50092

Ion Ratio Lower Upper

178 100

176 17.8 15.9 23.9

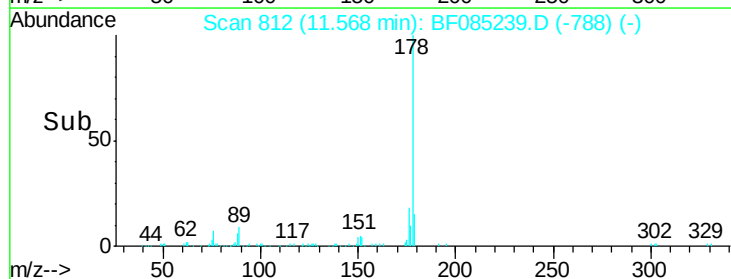
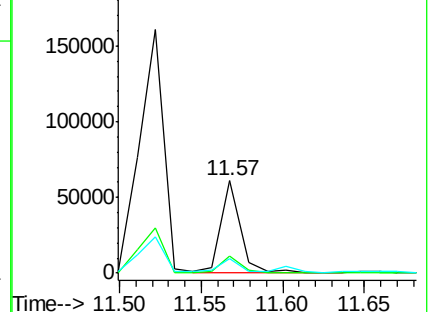
179 15.5 12.5 18.7

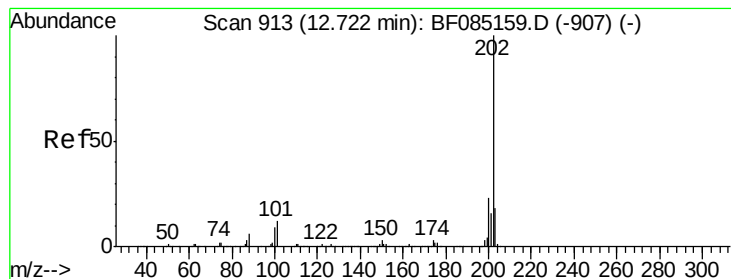


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 14.84 ng

RT: 12.71 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF085239.D

Acq: 5 Mar 2016 8:11

Instrument :

BNA_F

ClientSampleId :

SB-20-COMP-(0.0-2.0)

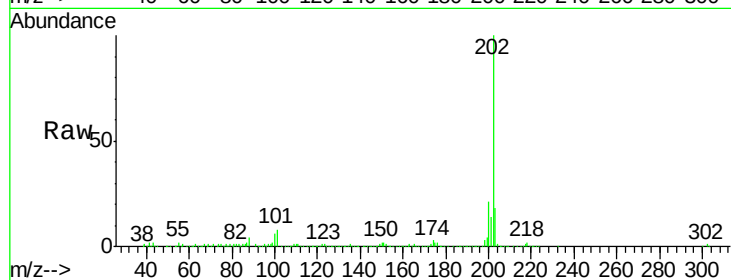
Tgt Ion:202 Resp: 333052

Ion Ratio Lower Upper

202 100

101 8.0 0.0 31.8

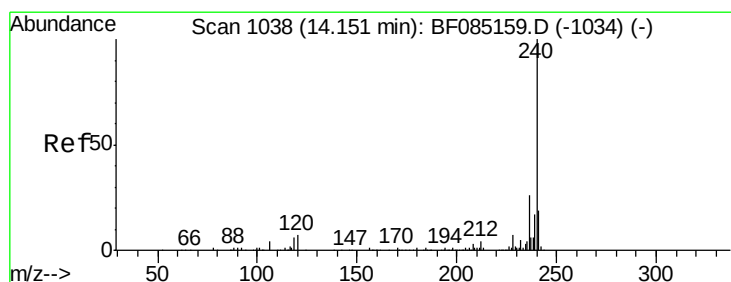
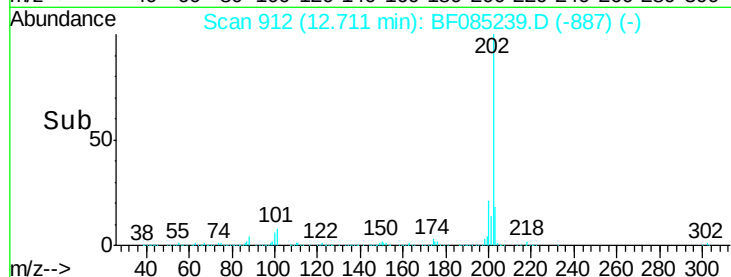
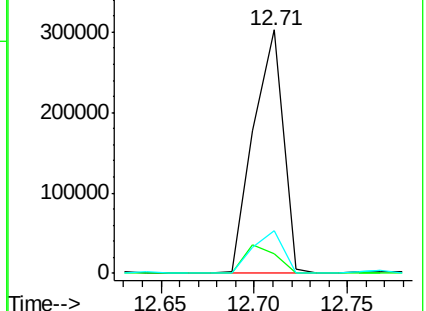
203 17.7 0.0 38.4



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: 14.13 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF085239.D

Acq: 5 Mar 2016 8:11

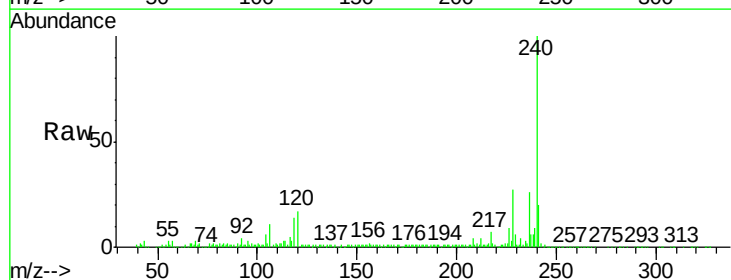
Tgt Ion:240 Resp: 252067

Ion Ratio Lower Upper

240 100

120 16.7 5.3 7.9#

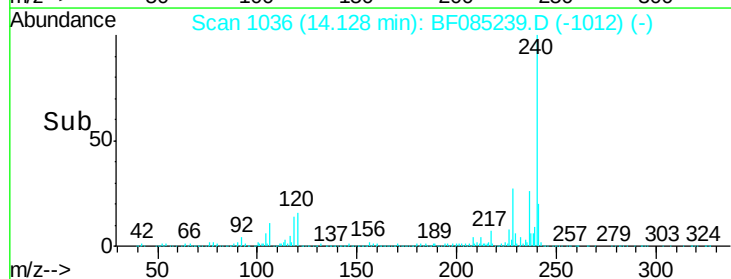
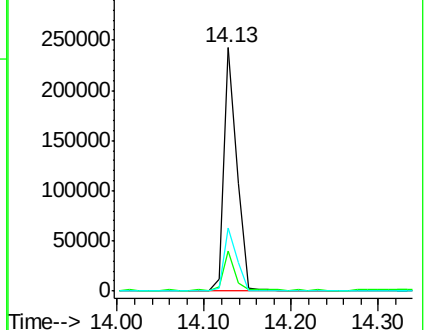
236 25.9 20.7 31.1

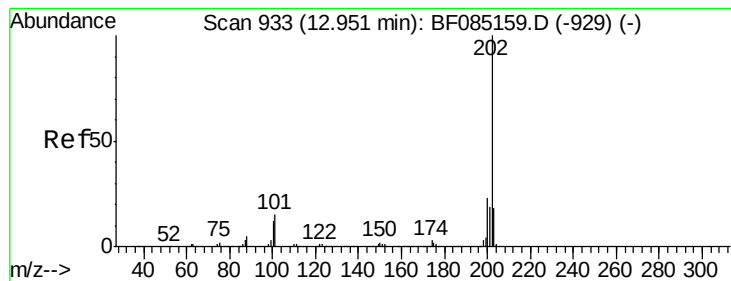


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 16.42 ng

RT: 12.94 min Scan# 932

Delta R.T. -0.01 min

Lab File: BF085239.D

Acq: 5 Mar 2016 8:11

Instrument :

BNA_F

ClientSampleId :

SB-20-COMP-(0.0-2.0)

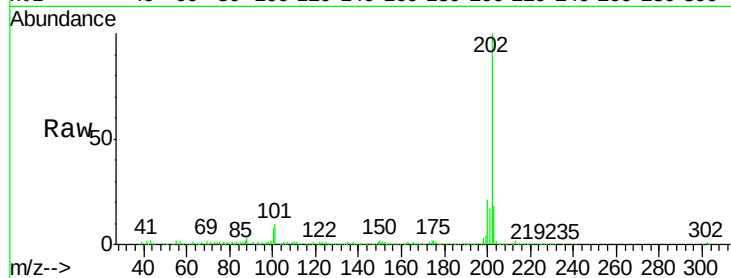
Tgt Ion:202 Resp: 311597

Ion Ratio Lower Upper

202 100

200 20.9 18.2 27.4

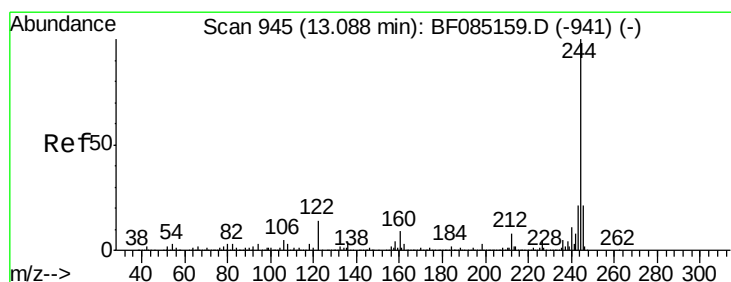
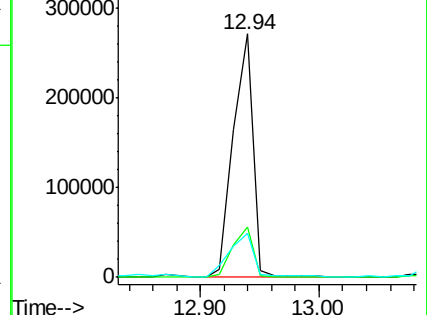
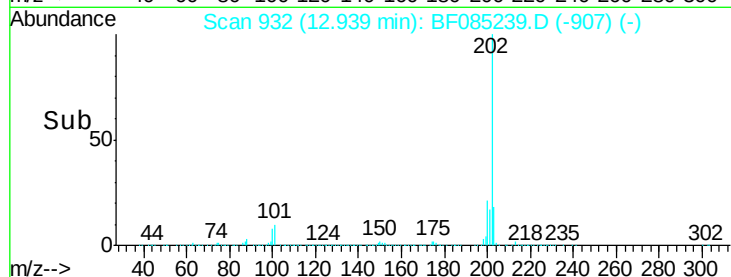
203 17.9 14.7 22.1



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: 75.44 ng

RT: 13.08 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF085239.D

Acq: 5 Mar 2016 8:11

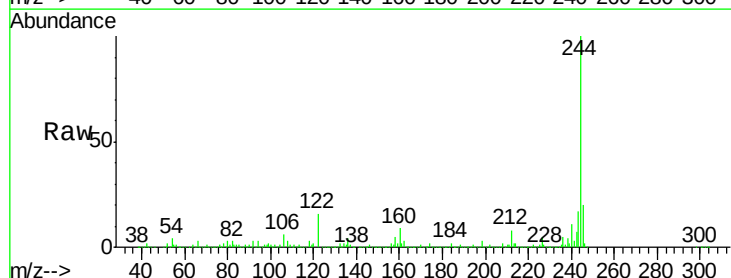
Tgt Ion:244 Resp: 819197

Ion Ratio Lower Upper

244 100

212 7.9 6.4 9.6

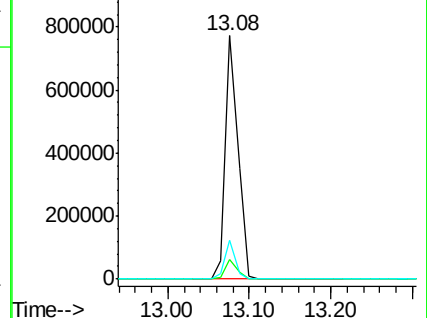
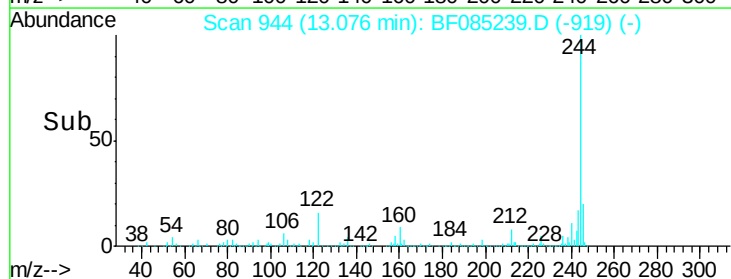
122 16.1 11.4 17.2

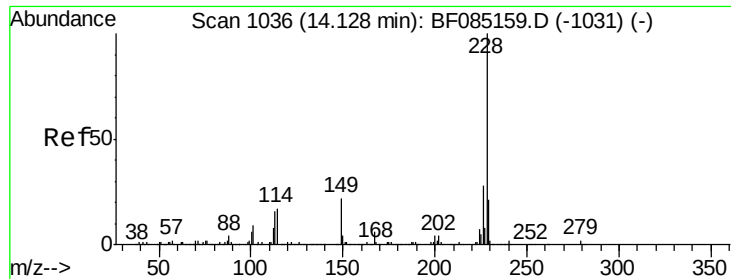


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

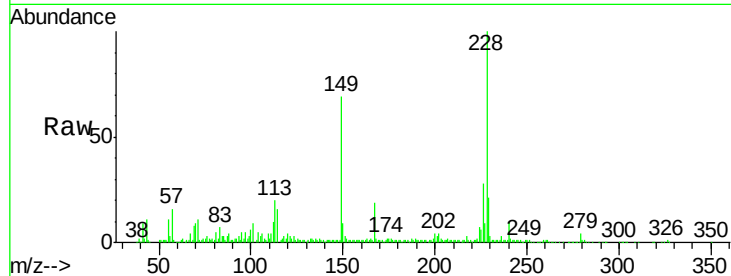




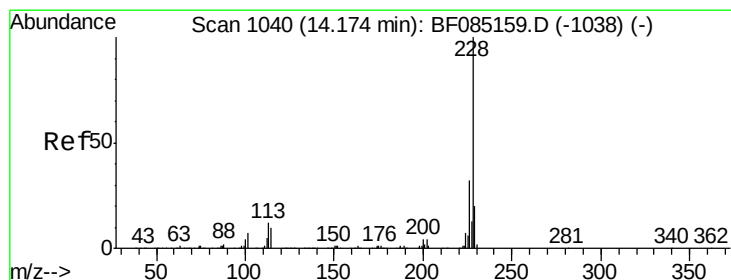
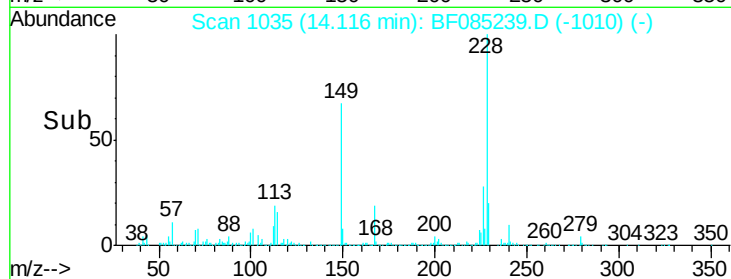
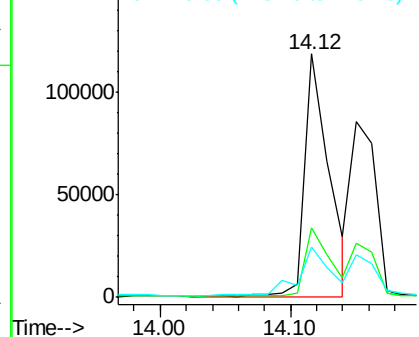
#80
Benzo(a)anthracene
Concen: 10.08 ng
RT: 14.12 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF085239.D
Acq: 5 Mar 2016 8:11

Instrument :
BNA_F
ClientSampleId :
SB-20-COMP-(0.0-2.0)

Tgt Ion:228 Resp: 152082
Ion Ratio Lower Upper
228 100
226 28.5 22.8 34.2
229 20.9 16.6 24.8

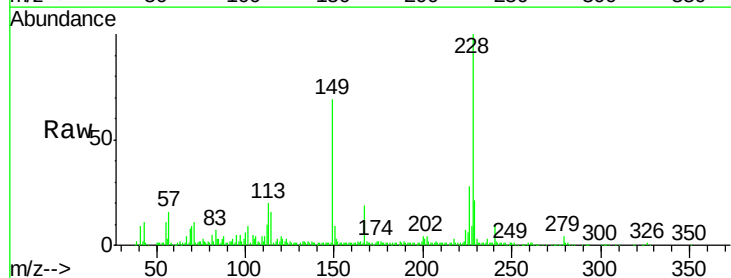


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

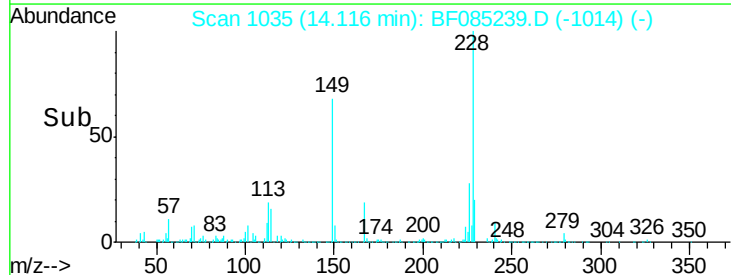
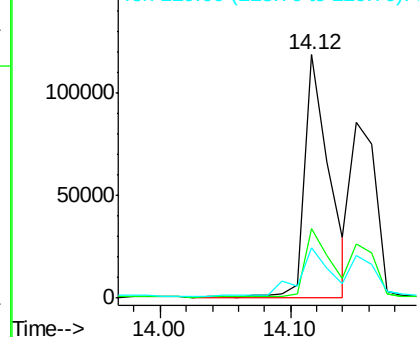


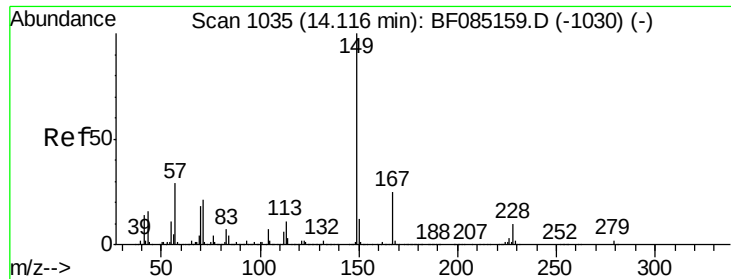
#82
Chrysene
Concen: 10.91 ng
RT: 14.12 min Scan# 1035
Delta R.T. -0.06 min
Lab File: BF085239.D
Acq: 5 Mar 2016 8:11

Tgt Ion:228 Resp: 152082
Ion Ratio Lower Upper
228 100
226 28.5 25.2 37.8
229 20.9 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

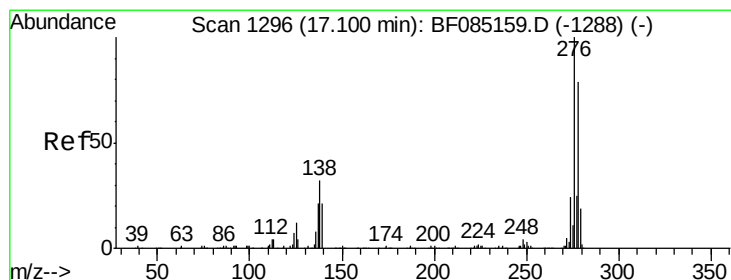
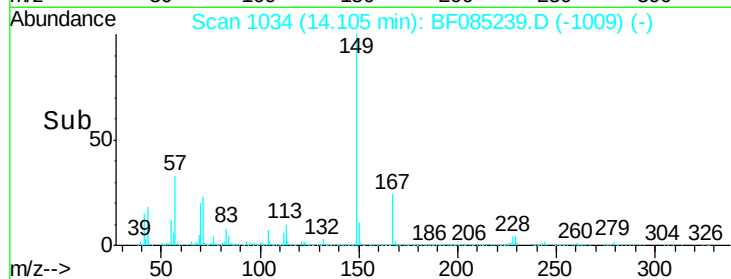
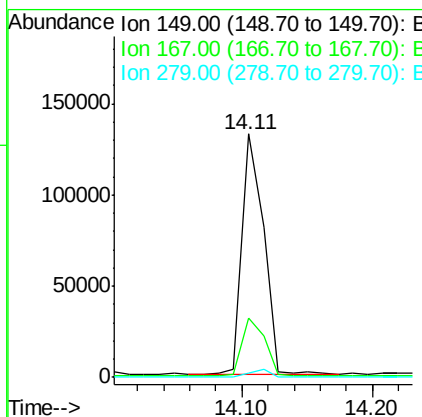
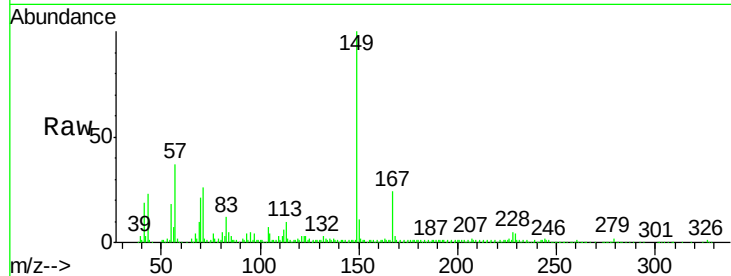




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 13.23 ng
 RT: 14.11 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BF085239.D
 Acq: 5 Mar 2016 8:11

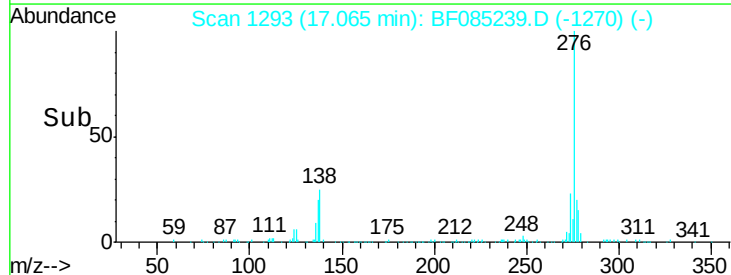
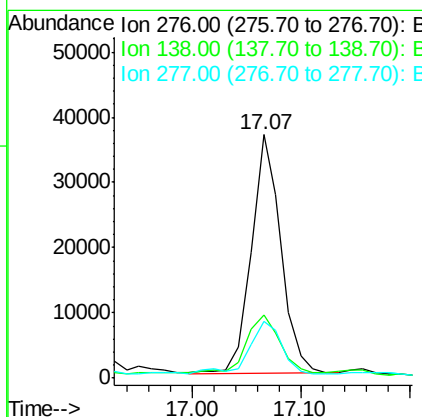
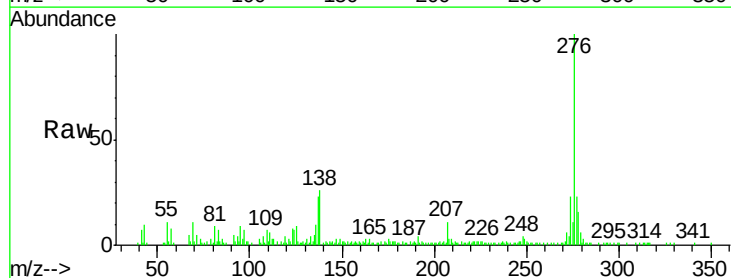
Instrument :
 BNA_F
 ClientSampleId :
 SB-20-COMP-(0.0-2.0)

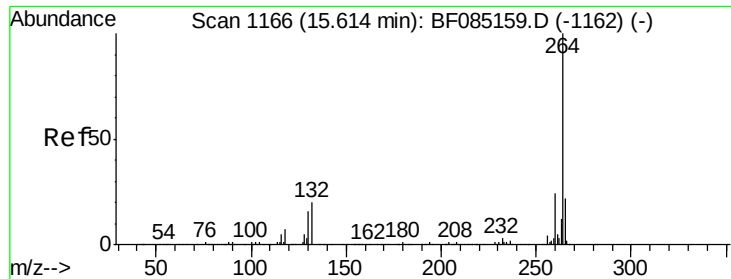
Tgt Ion:149 Resp: 149862
 Ion Ratio Lower Upper
 149 100
 167 24.3 20.3 30.5
 279 1.8 1.9 2.9#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.34 ng
 RT: 17.07 min Scan# 1293
 Delta R.T. -0.03 min
 Lab File: BF085239.D
 Acq: 5 Mar 2016 8:11

Tgt Ion:276 Resp: 68995
 Ion Ratio Lower Upper
 276 100
 138 28.3 26.4 39.6
 277 26.1 20.2 30.2

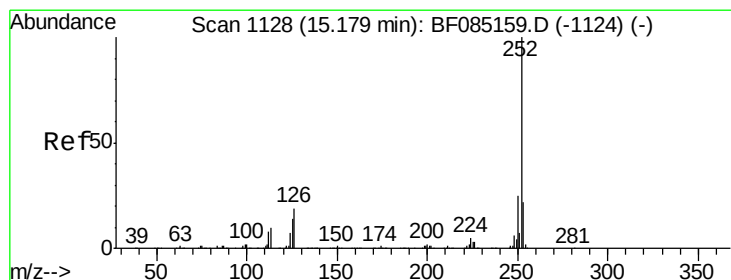
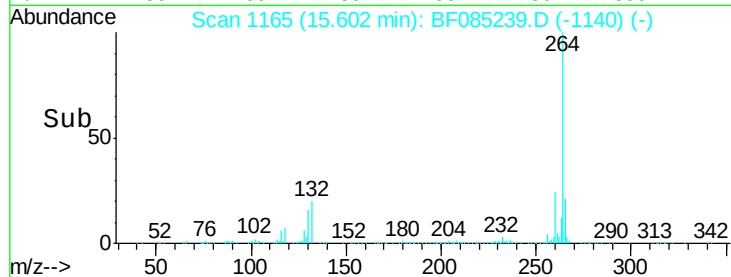
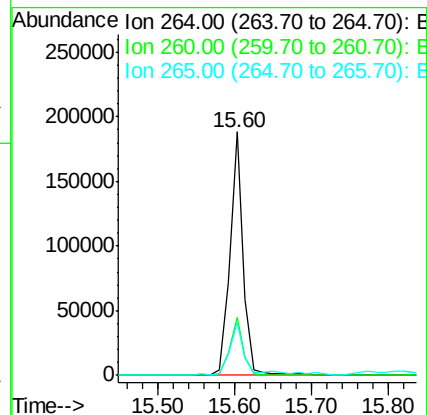
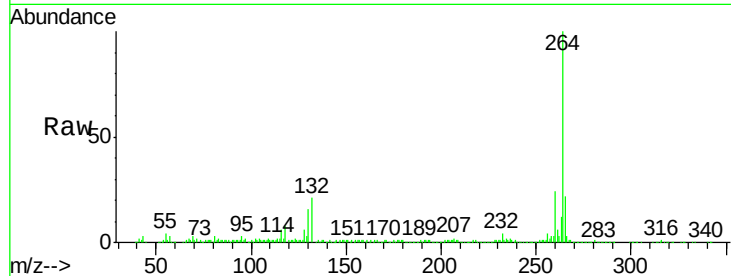




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.60 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF085239.D
Acq: 5 Mar 2016 8:11

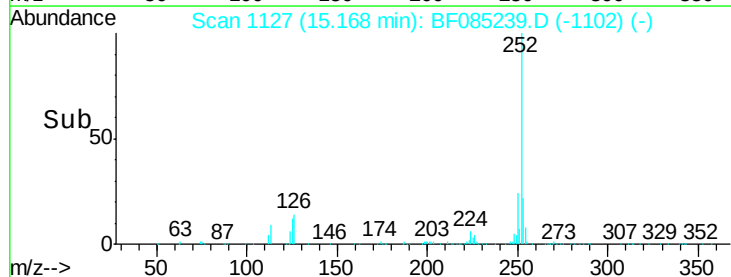
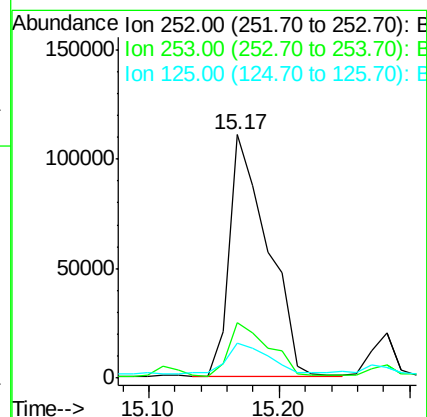
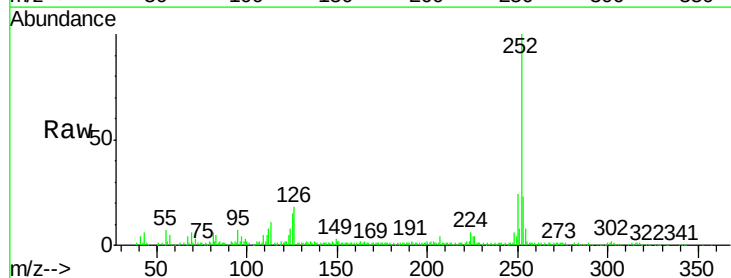
Instrument :
BNA_F
ClientSampleId :
SB-20-COMP-(0.0-2.0)

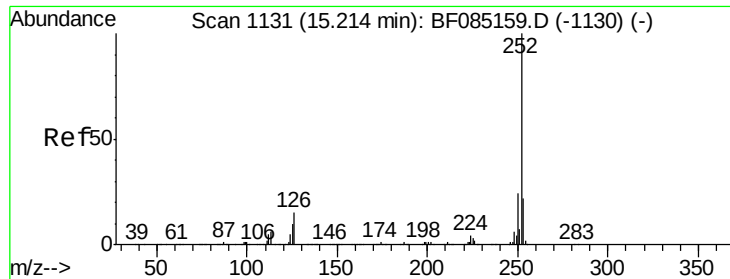
Tgt Ion:264 Resp: 231927
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 21.7 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 14.62 ng
RT: 15.17 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF085239.D
Acq: 5 Mar 2016 8:11

Tgt Ion:252 Resp: 225999
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 14.6 11.3 16.9

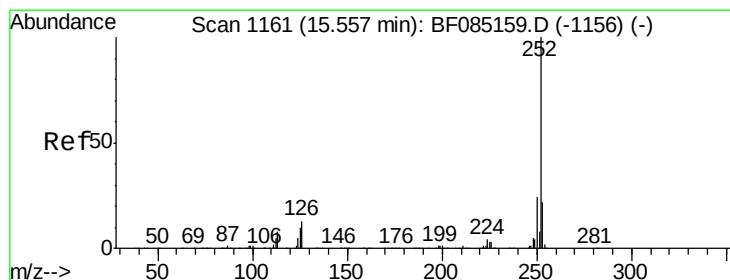
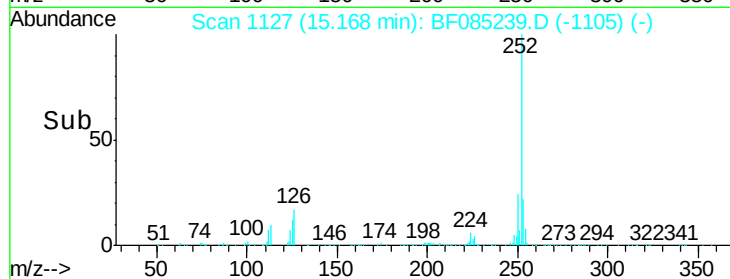
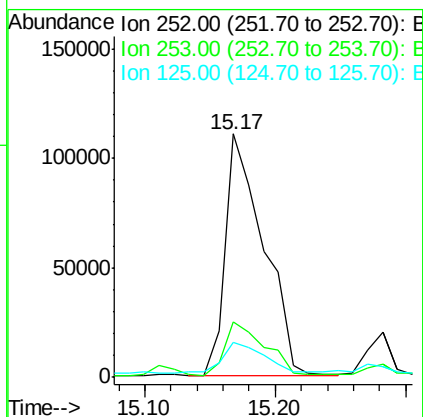
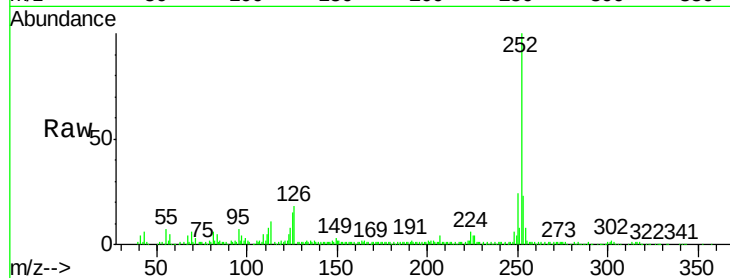




#88
Benzo(k)fluoranthene
Concen: 18.12 ng
RT: 15.17 min Scan# 1127
Delta R.T. -0.05 min
Lab File: BF085239.D
Acq: 5 Mar 2016 8:11

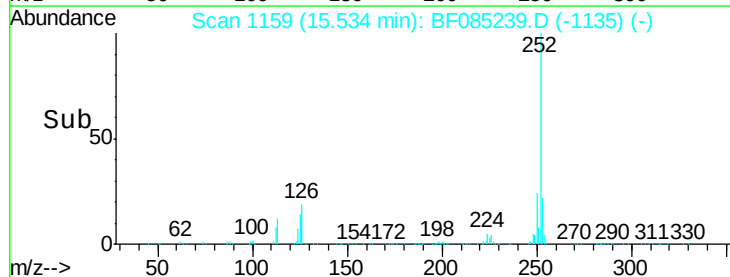
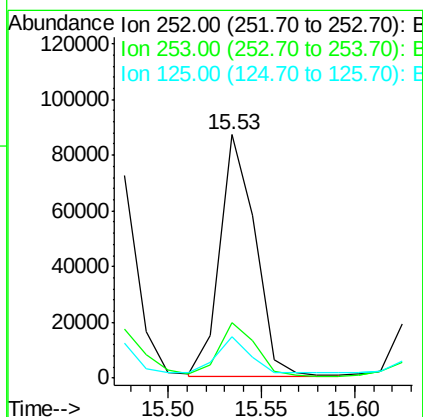
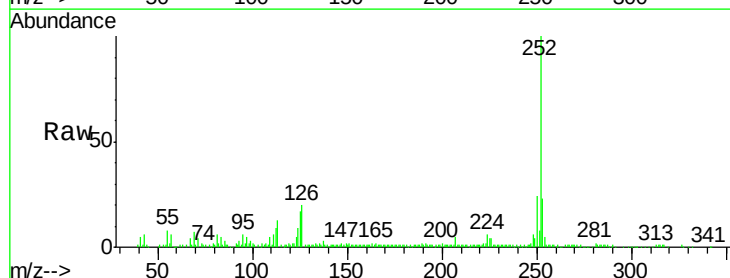
Instrument :
BNA_F
ClientSampleId :
SB-20-COMP-(0.0-2.0)

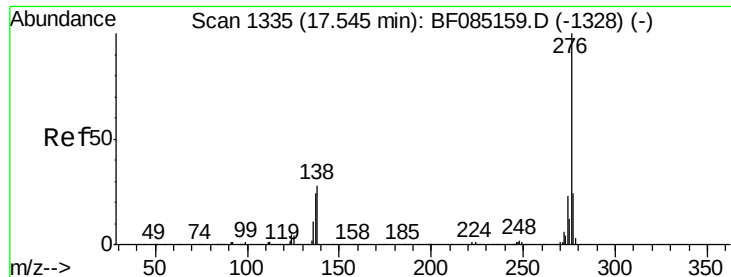
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	14.6	10.4	15.6



#89
Benzo(a)pyrene
Concen: 8.92 ng
RT: 15.53 min Scan# 1159
Delta R.T. -0.02 min
Lab File: BF085239.D
Acq: 5 Mar 2016 8:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	16.8	8.2	12.4





#91

Benzo(g,h,i)perylene

Concen: 6.22 ng

RT: 17.51 min Scan# 1332

Delta R.T. -0.03 min

Lab File: BF085239.D

Acq: 5 Mar 2016 8:11

Instrument :

BNA_F

ClientSampleId :

SB-20-COMP-(0.0-2.0)

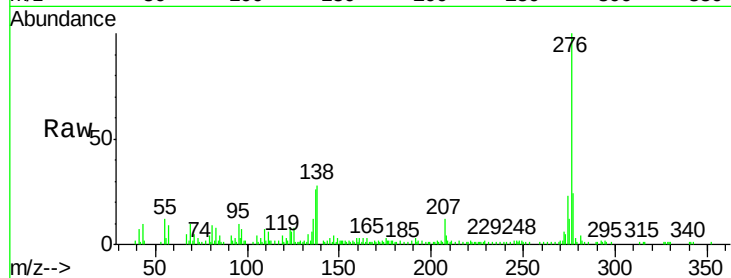
Tgt Ion: 276 Resp: 68384

Ion Ratio Lower Upper

276 100

277 24.2 19.0 28.4

138 28.4 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

