

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031416\
 Data File : BF085447.D
 Acq On : 15 Mar 2016 1:08
 Operator : UM/SJ
 Sample : H1730-02RE
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-23-COMP(0.5-1.5)

Quant Time: Mar 15 04:02:52 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	6.93	152	166584	20.00	ng	-0.06
21) Naphthalene-d8	8.21	136	649960	20.00	ng	-0.06
38) Acenaphthene-d10	9.97	164	285345	20.00	ng	-0.06
63) Phenanthrene-d10	11.45	188	449893	20.00	ng	-0.06
75) Chrysene-d12	14.08	240	275827	20.00	ng	-0.07
86) Perylene-d12	15.55	264	283271	20.00	ng	-0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	1132287	114.01	ng	-0.06
7) Phenol-d6	6.55	99	1495072	114.91	ng	-0.06
23) Nitrobenzene-d5	7.49	82	855323	70.42	ng	-0.06
41) 2,4,6-Tribromophenol	10.76	330	301359	123.43	ng	-0.06
44) 2-Fluorobiphenyl	9.28	172	1233854	65.76	ng	-0.07
78) Terphenyl-d14	13.03	244	764883	64.37	ng	-0.06

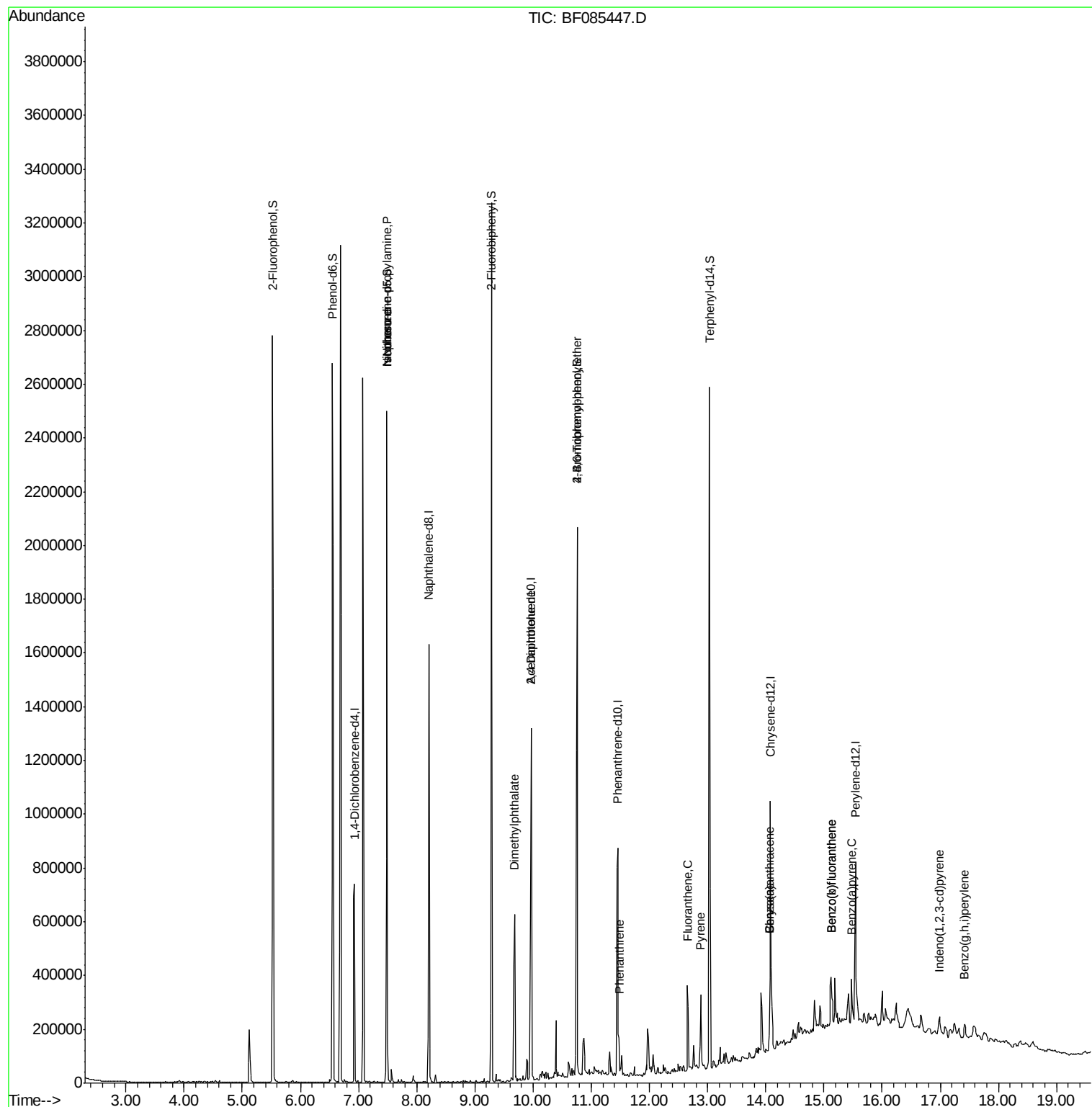
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.49	70	115393	13.61	ng	# 77
25) Isophorone	7.49	82	644217	28.62	ng	# 67
49) Dimethylphthalate	9.68	163	330730	15.10	ng	99
56) 2,4-Dinitrotoluene	9.97	165	36488	6.09	ng	# 22
66) 4-Bromophenyl-phenylether	10.76	248	21228	4.86	ng	# 1
70) Phenanthrene	11.48	178	80547	3.42	ng	96
74) Fluoranthene	12.65	202	165820	7.01	ng	95
77) Pyrene	12.88	202	147243	7.09	ng	98
80) Benzo(a)anthracene	14.07	228	85654	5.19	ng	97
82) Chrysene	14.07	228	85654	5.62	ng	96
85) Indeno(1,2,3-cd)pyrene	16.99	276	42267	3.55	ng	# 90
87) Benzo(b)fluoranthene	15.12	252	135298	7.17	ng	98
88) Benzo(k)fluoranthene	15.12	252	135298	8.88	ng	97
89) Benzo(a)pyrene	15.48	252	73424	4.69	ng	# 93
91) Benzo(g,h,i)perylene	17.42	276	40984	3.05	ng	97

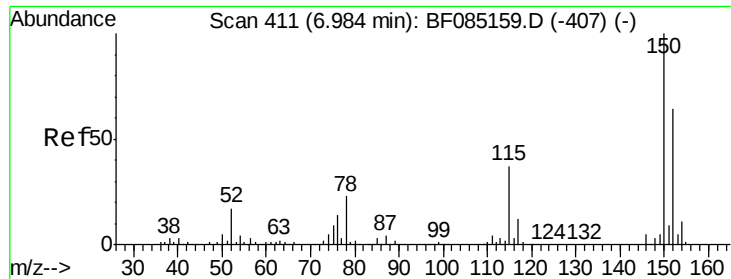
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.93 min Scan# 406

Delta R.T. -0.06 min

Lab File: BF085447.D

Acq: 15 Mar 2016 1:08

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-23-COMP(0.5-1.5)

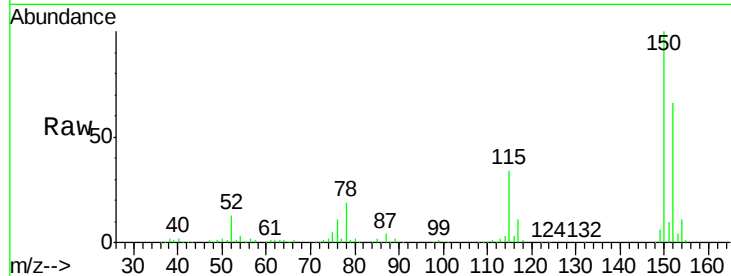
Tgt Ion:152 Resp: 166584

Ion Ratio Lower Upper

152 100

150 152.6 124.6 186.8

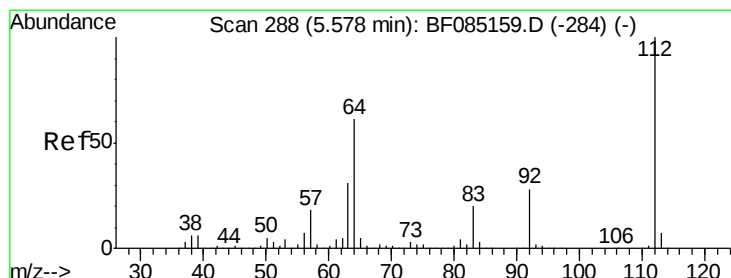
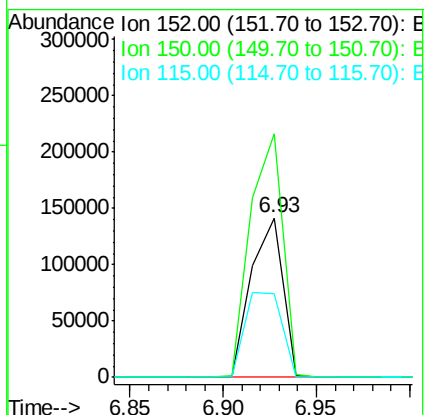
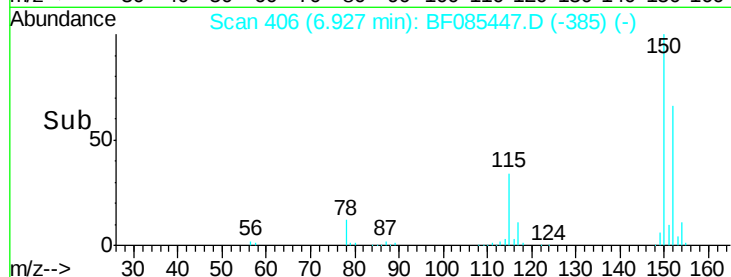
115 52.4 46.6 70.0



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: 114.01 ng

RT: 5.52 min Scan# 283

Delta R.T. -0.06 min

Lab File: BF085447.D

Acq: 15 Mar 2016 1:08

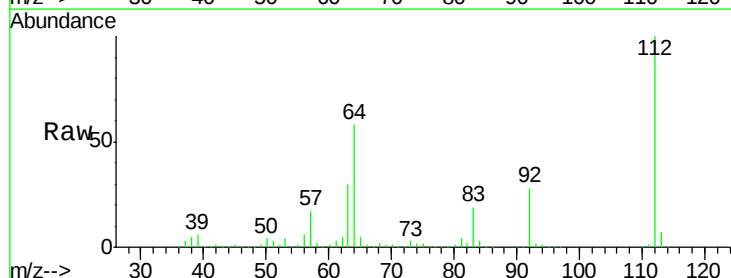
Tgt Ion:112 Resp: 1132287

Ion Ratio Lower Upper

112 100

64 58.5 49.0 73.4

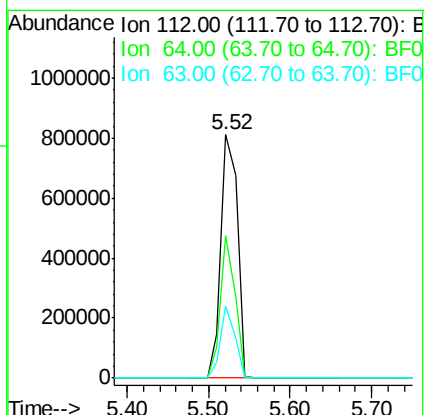
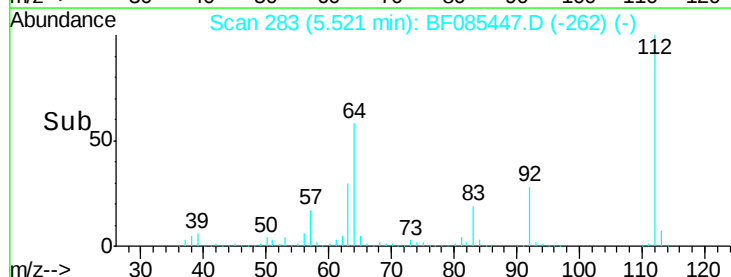
63 29.5 24.8 37.2



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: 114.91 ng

RT: 6.55 min Scan# 373

Delta R.T. -0.06 min

Lab File: BF085447.D

Acq: 15 Mar 2016 1:08

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-23-COMP(0.5-1.5)

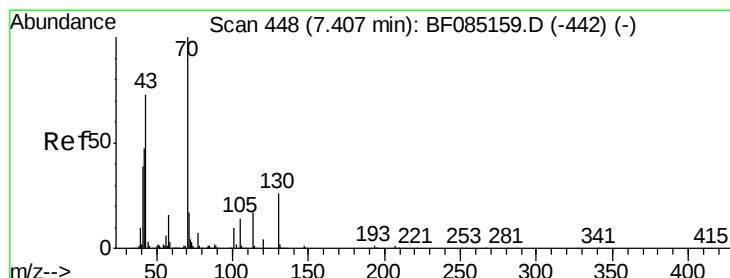
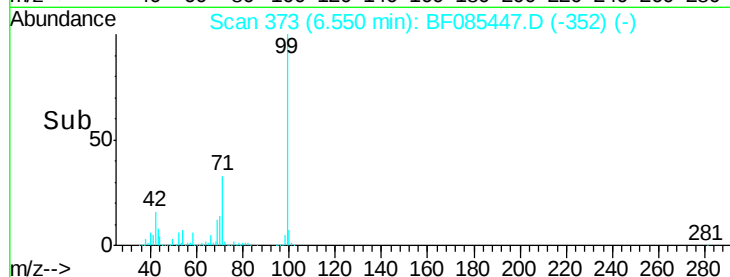
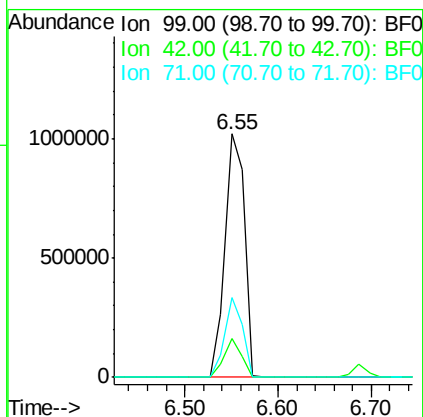
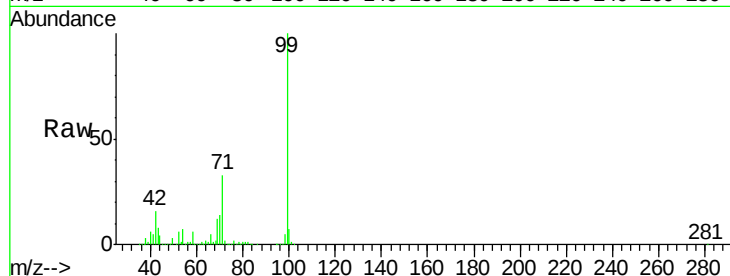
Tgt Ion: 99 Resp: 1495072

Ion Ratio Lower Upper

99 100

42 16.1 13.6 20.4

71 33.0 26.7 40.1



#19

n-Nitroso-di-n-propylamine

Concen: 13.61 ng

RT: 7.49 min Scan# 455

Delta R.T. 0.08 min

Lab File: BF085447.D

Acq: 15 Mar 2016 1:08

Tgt Ion: 70 Resp: 115393

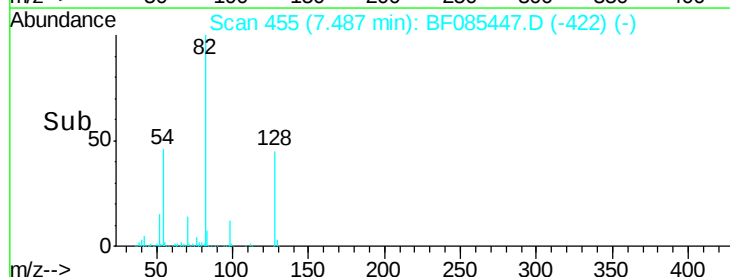
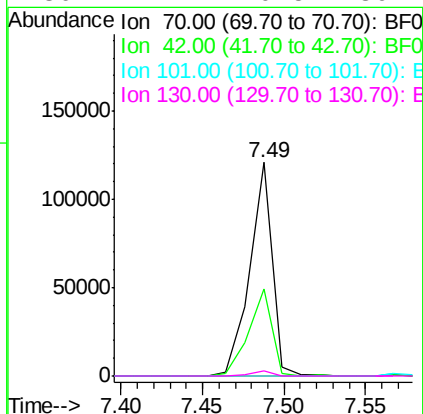
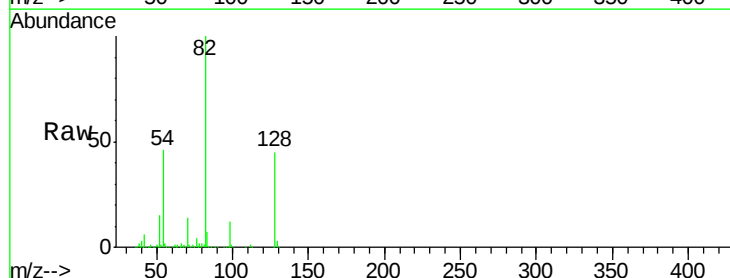
Ion Ratio Lower Upper

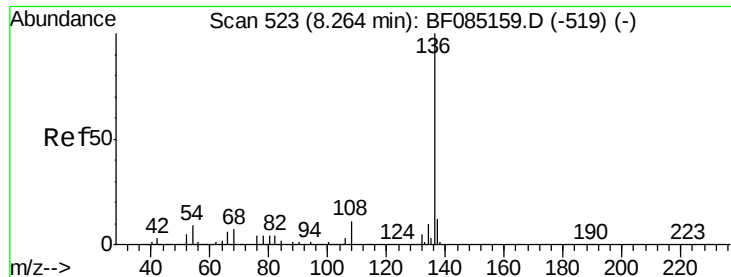
70 100

42 40.7 37.7 56.5

101 0.0 8.2 12.4#

130 2.2 20.5 30.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.21 min Scan# 518

Delta R.T. -0.06 min

Lab File: BF085447.D

Acq: 15 Mar 2016 1:08

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-23-COMP(0.5-1.5)

Tgt Ion:136 Resp: 649960

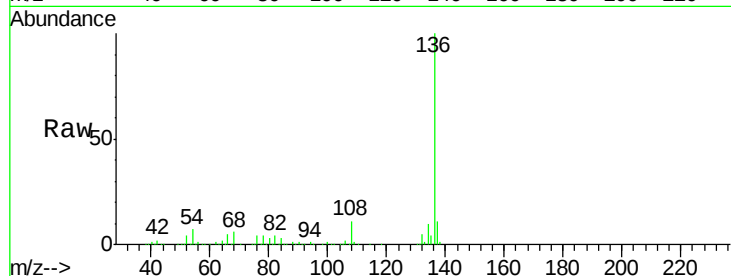
Ion Ratio Lower Upper

136 100

137 11.4 9.3 13.9

54 7.2 7.4 11.2#

68 6.0 6.0 9.0

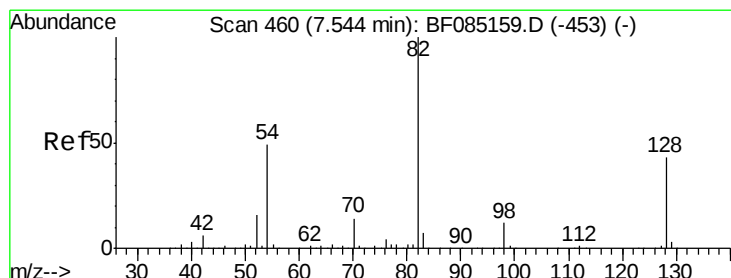
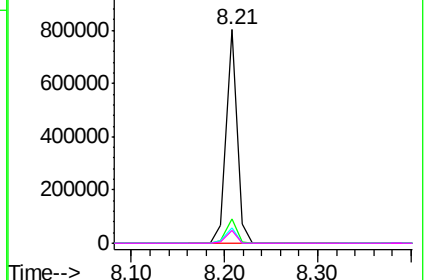
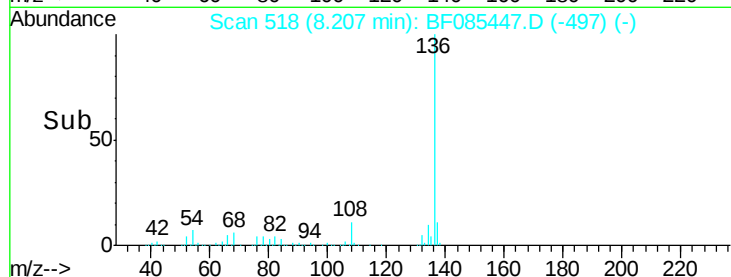


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.42 ng

RT: 7.49 min Scan# 455

Delta R.T. -0.06 min

Lab File: BF085447.D

Acq: 15 Mar 2016 1:08

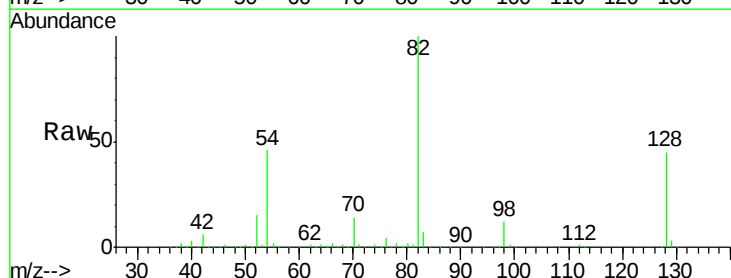
Tgt Ion: 82 Resp: 855323

Ion Ratio Lower Upper

82 100

128 44.9 34.5 51.7

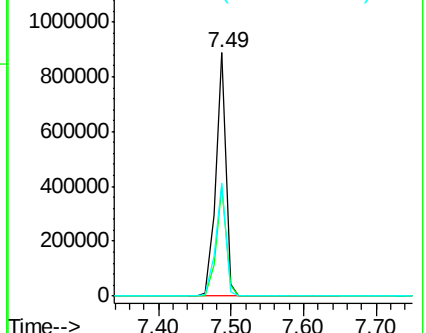
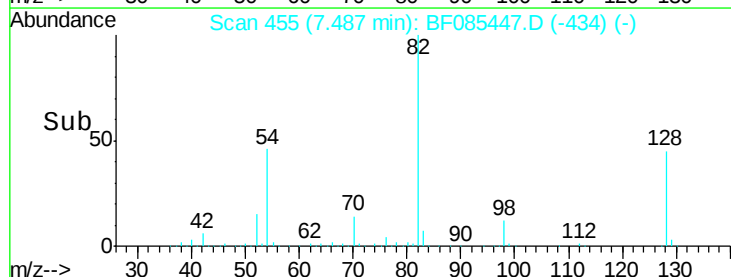
54 46.3 39.3 58.9

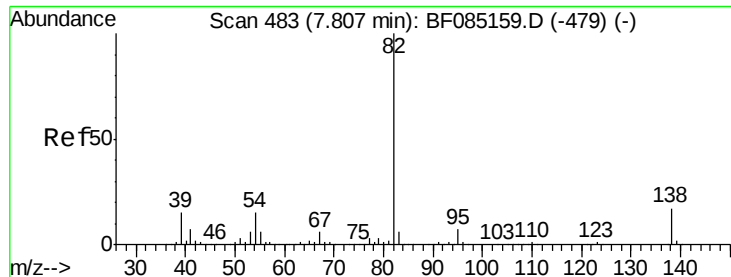


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 28.62 ng

RT: 7.49 min Scan# 455

Delta R.T. -0.32 min

Lab File: BF085447.D

Acq: 15 Mar 2016 1:08

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-23-COMP(0.5-1.5)

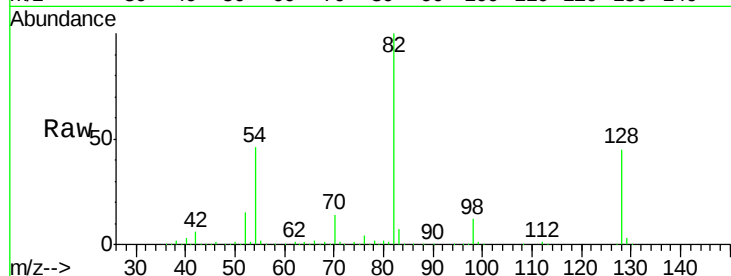
Tgt Ion: 82 Resp: 644217

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

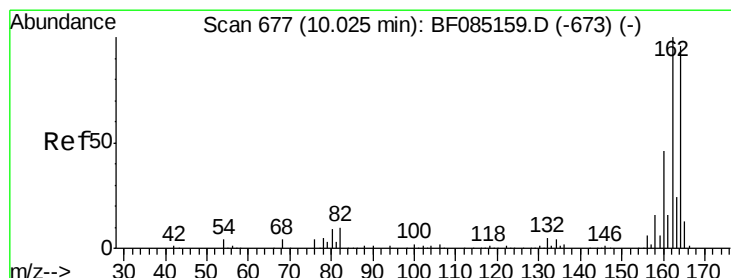
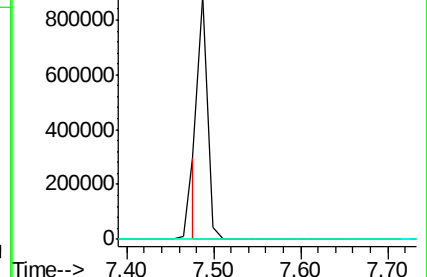
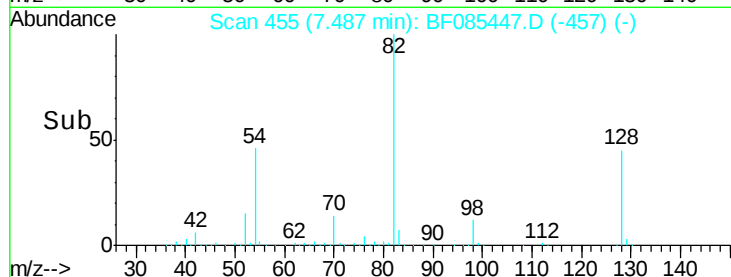
138 0.0 13.3 19.9#



Abundance Ion 82.00 (81.70 to 82.70): BF085159.D (-479) (-)

Ion 95.00 (94.70 to 95.70): BF085159.D (-479) (-)

Ion 138.00 (137.70 to 138.70): BF085159.D (-479) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.97 min Scan# 672

Delta R.T. -0.06 min

Lab File: BF085447.D

Acq: 15 Mar 2016 1:08

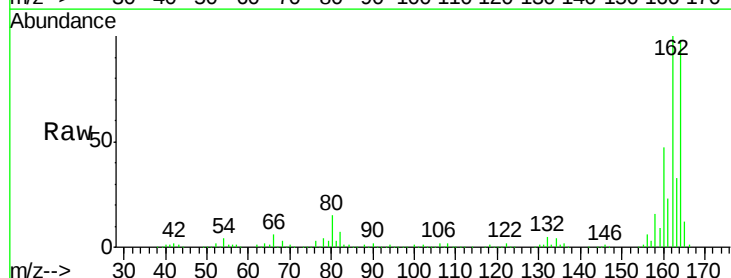
Tgt Ion: 164 Resp: 285345

Ion Ratio Lower Upper

164 100

162 102.4 83.3 124.9

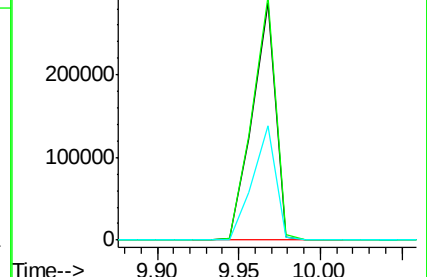
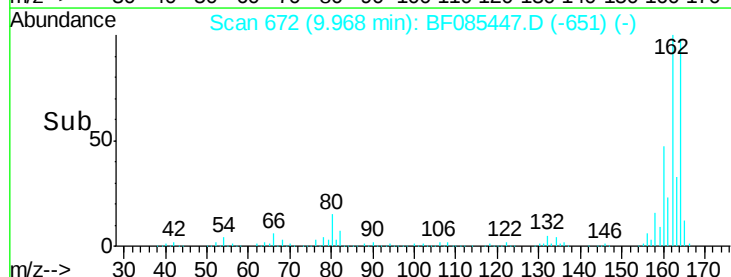
160 47.9 37.9 56.9

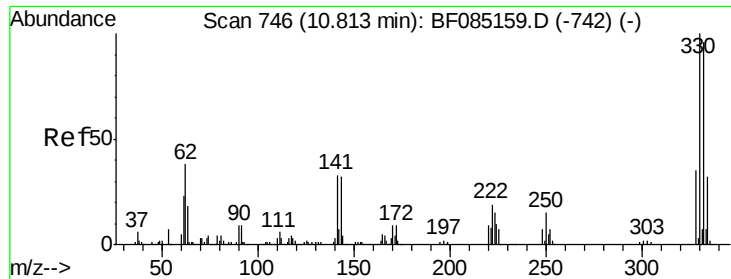


Abundance Ion 164.00 (163.70 to 164.70): BF085159.D (-673) (-)

Ion 162.00 (161.70 to 162.70): BF085159.D (-673) (-)

Ion 160.00 (159.70 to 160.70): BF085159.D (-673) (-)

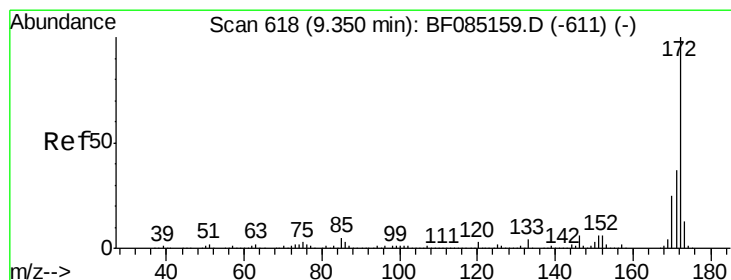
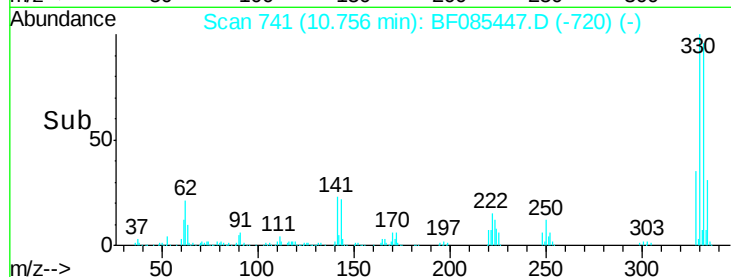
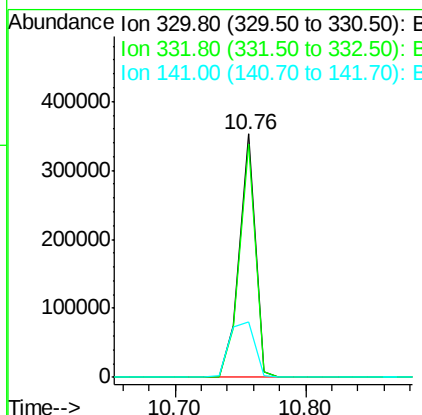
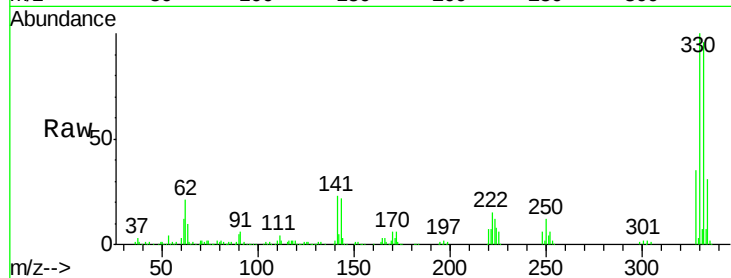




#41
 2,4,6-Tribromophenol
 Concen: 123.43 ng
 RT: 10.76 min Scan# 741
 Delta R.T. -0.06 min
 Lab File: BF085447.D
 Acq: 15 Mar 2016 1:08

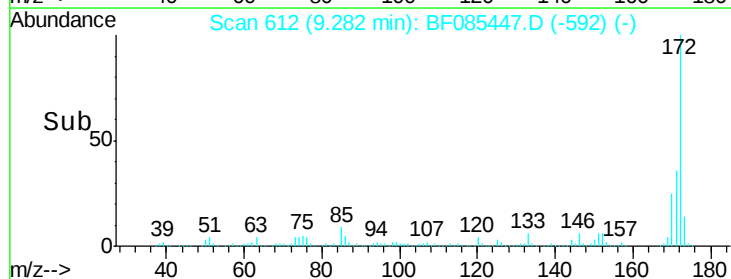
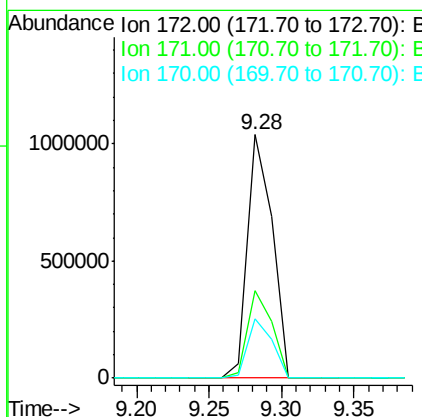
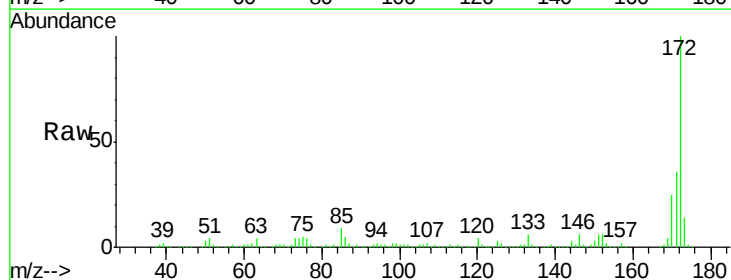
Instrument :
 BNA_F
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 W170TH-SB-23-COMP(0.5-1.5)

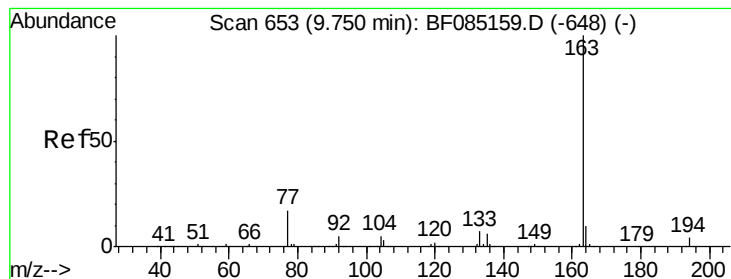
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.1	115.7
141	36.6	35.0	52.6



#44
 2-Fluorobiphenyl
 Concen: 65.76 ng
 RT: 9.28 min Scan# 612
 Delta R.T. -0.07 min
 Lab File: BF085447.D
 Acq: 15 Mar 2016 1:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.3	43.9
170	24.6	20.0	30.0





#49

Dimethylphthalate

Concen: 15.10 ng

RT: 9.68 min Scan# 647

Delta R.T. -0.07 min

Lab File: BF085447.D

Acq: 15 Mar 2016 1:08

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-23-COMP(0.5-1.5)

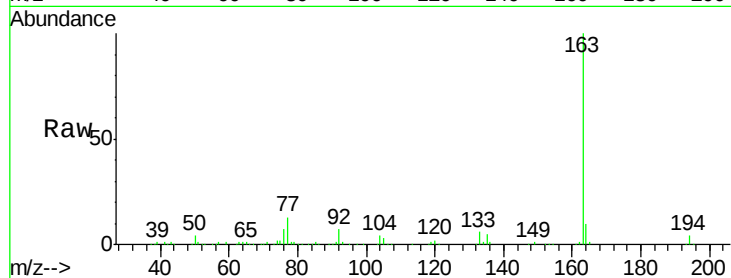
Tgt Ion:163 Resp: 330730

Ion Ratio Lower Upper

163 100

194 3.7 3.1 4.7

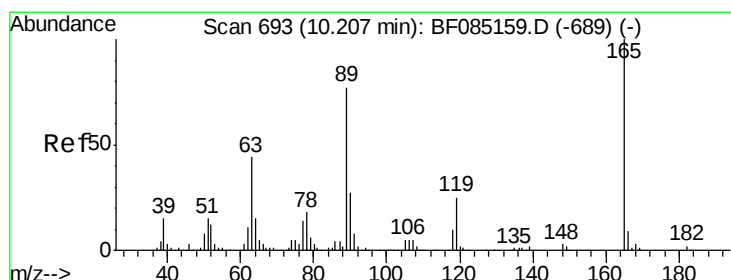
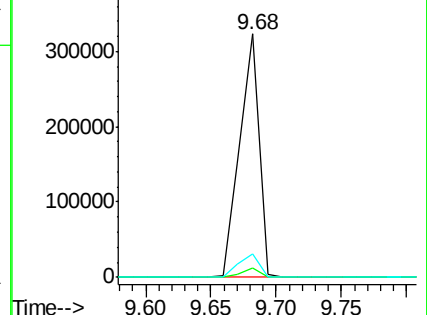
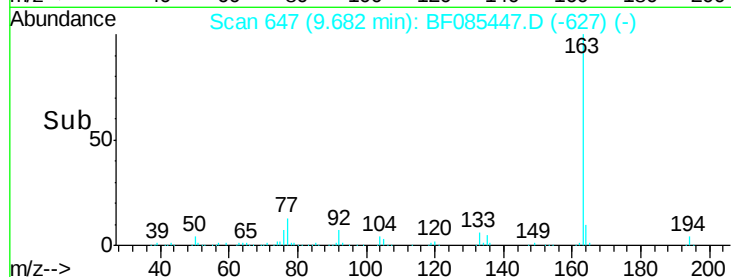
164 9.7 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.09 ng

RT: 9.97 min Scan# 672

Delta R.T. -0.24 min

Lab File: BF085447.D

Acq: 15 Mar 2016 1:08

Tgt Ion:165 Resp: 36488

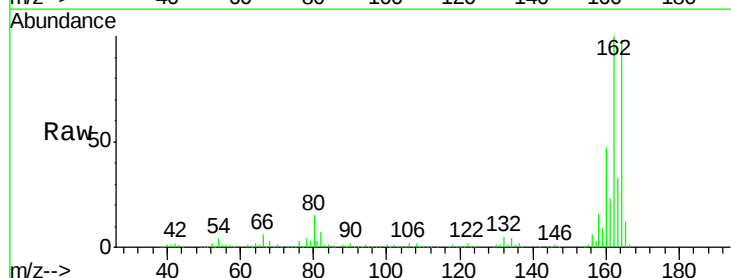
Ion Ratio Lower Upper

165 100

63 1.3 35.4 53.0#

89 1.8 61.9 92.9#

182 0.0 1.9 2.9#

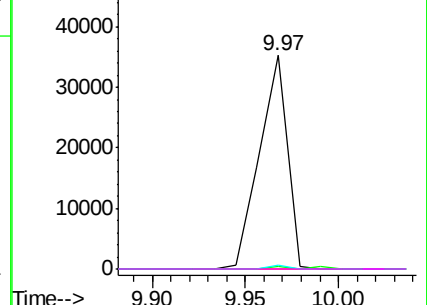
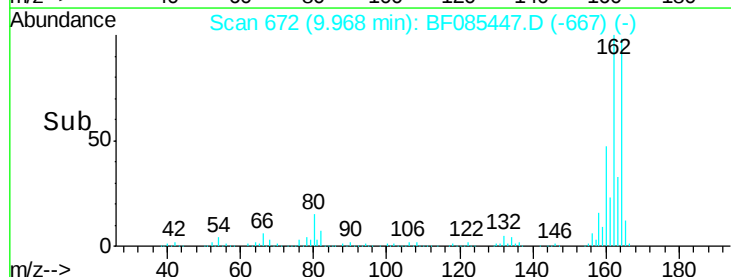


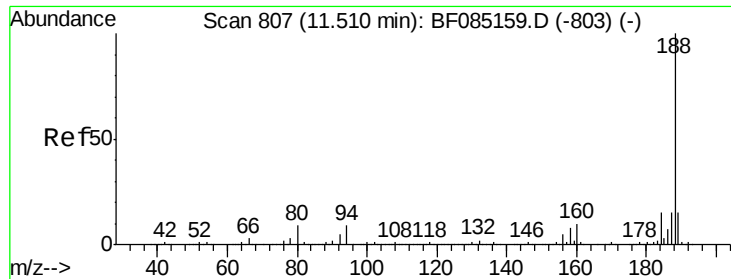
Abundance Ion 165.00 (164.70 to 165.70): E

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

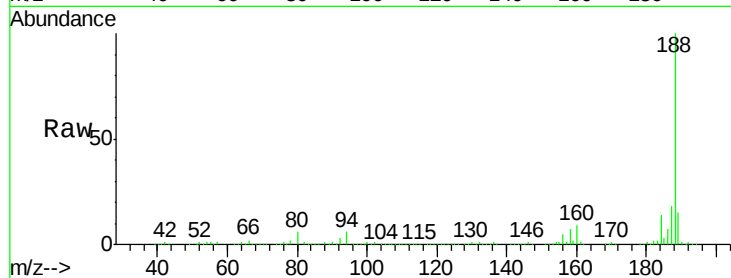




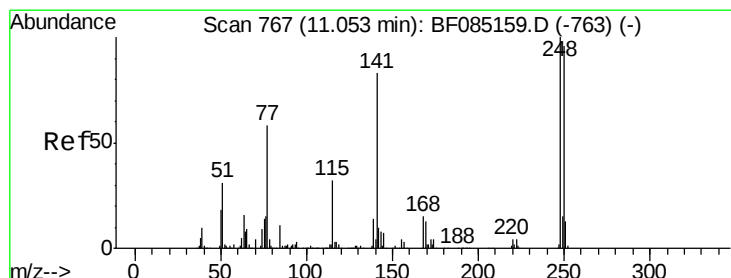
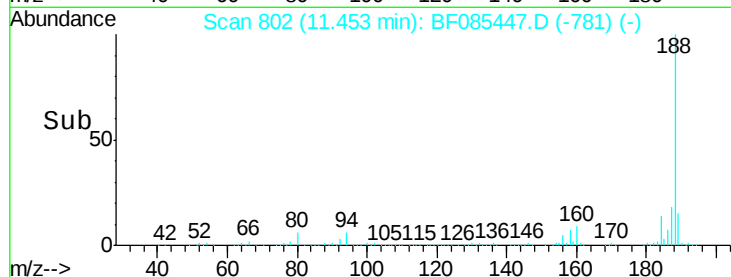
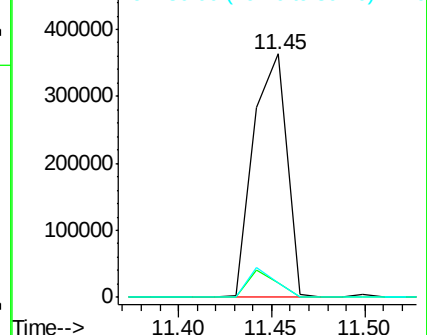
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.45 min Scan# 802
 Delta R.T. -0.06 min
 Lab File: BF085447.D
 Acq: 15 Mar 2016 1:08

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-23-COMP(0.5-1.5)

Tgt Ion:188 Resp: 449893
 Ion Ratio Lower Upper
 188 100
 94 5.9 7.0 10.6#
 80 5.9 7.4 11.0#

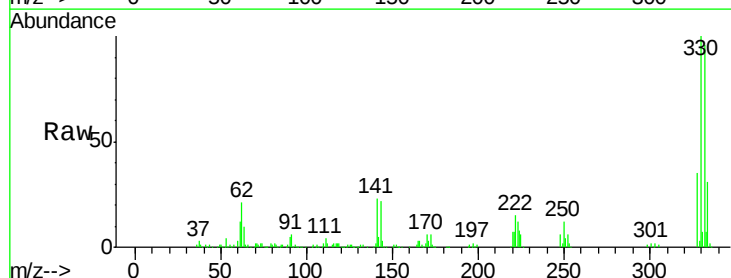


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

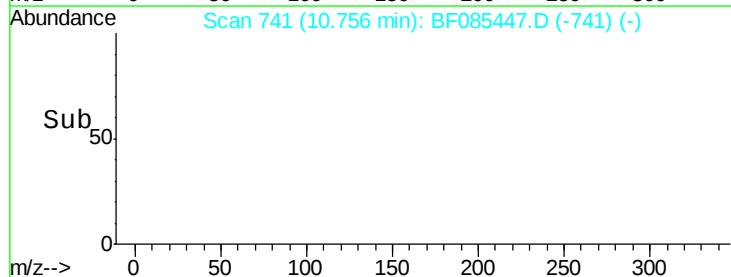
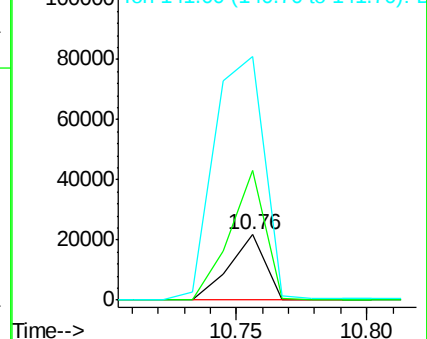


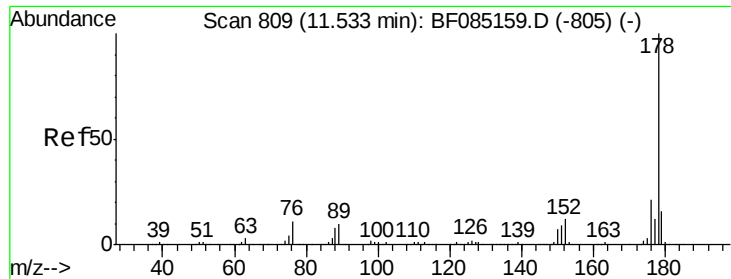
#66
 4-Bromophenyl-phenylether
 Concen: 4.86 ng
 RT: 10.76 min Scan# 741
 Delta R.T. -0.30 min
 Lab File: BF085447.D
 Acq: 15 Mar 2016 1:08

Tgt Ion:248 Resp: 21228
 Ion Ratio Lower Upper
 248 100
 250 196.6 77.1 115.7#
 141 370.9 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

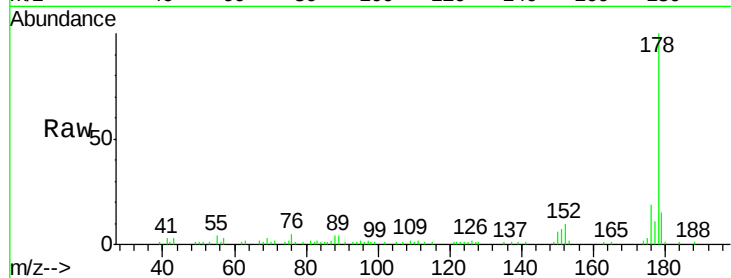




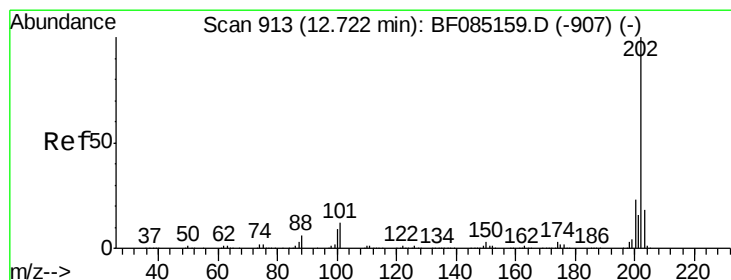
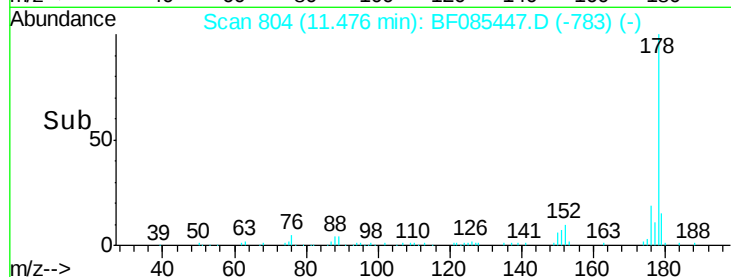
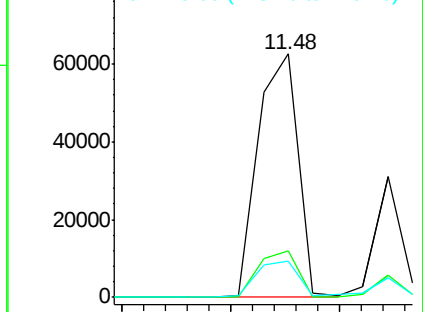
#70
Phenanthrene
Concen: 3.42 ng
RT: 11.48 min Scan# 804
Delta R.T. -0.06 min
Lab File: BF085447.D
Acq: 15 Mar 2016 1:08

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-23-COMP(0.5-1.5)

Tgt Ion:178 Resp: 80547
Ion Ratio Lower Upper
178 100
176 19.1 16.8 25.2
179 15.0 13.1 19.7

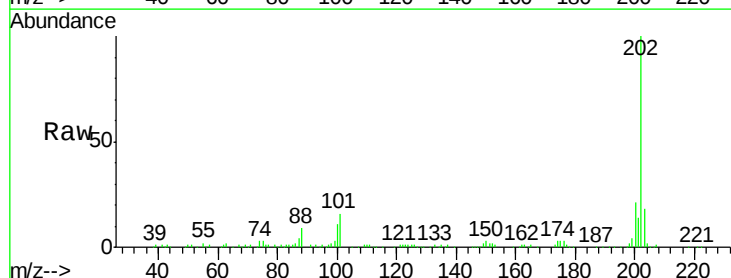


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

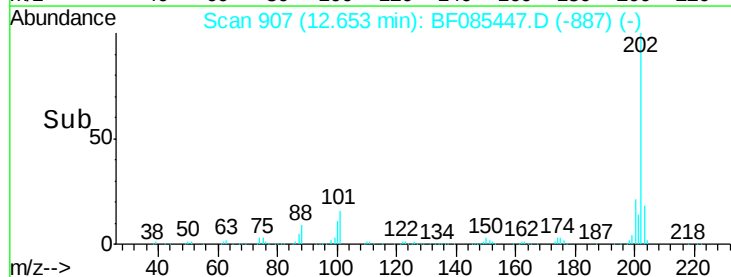
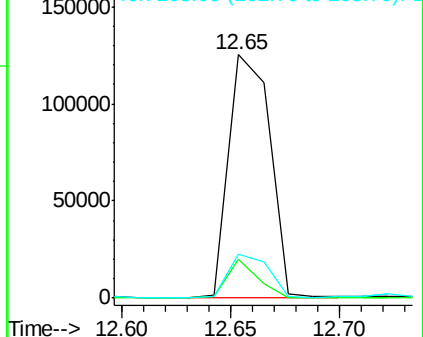


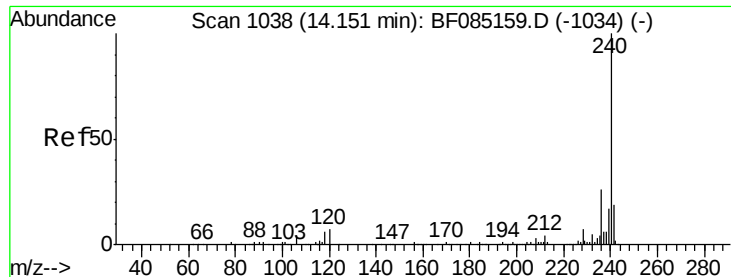
#74
Fluoranthene
Concen: 7.01 ng
RT: 12.65 min Scan# 907
Delta R.T. -0.07 min
Lab File: BF085447.D
Acq: 15 Mar 2016 1:08

Tgt Ion:202 Resp: 165820
Ion Ratio Lower Upper
202 100
101 16.1 0.0 31.8
203 18.0 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: 14.08 min Scan# 1032

Delta R.T. -0.07 min

Lab File: BF085447.D

Acq: 15 Mar 2016 1:08

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-23-COMP(0.5-1.5)

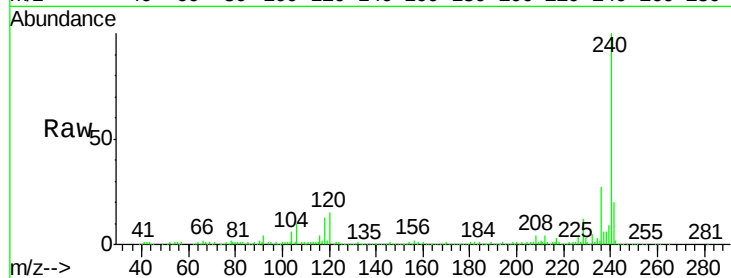
Tgt Ion:240 Resp: 275827

Ion Ratio Lower Upper

240 100

120 15.5 5.3 7.9#

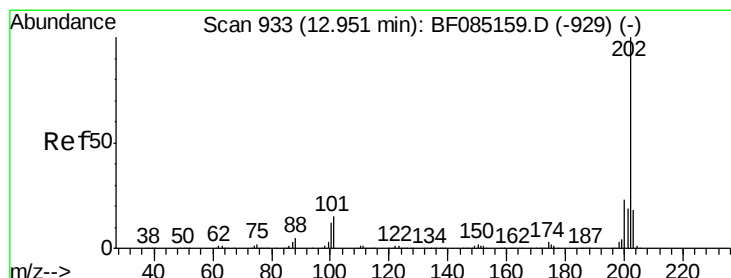
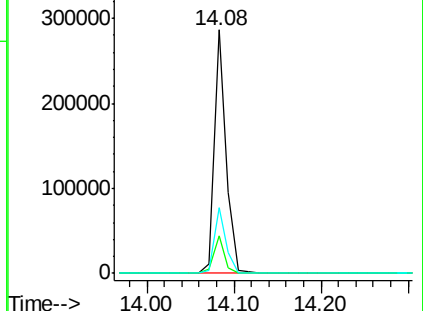
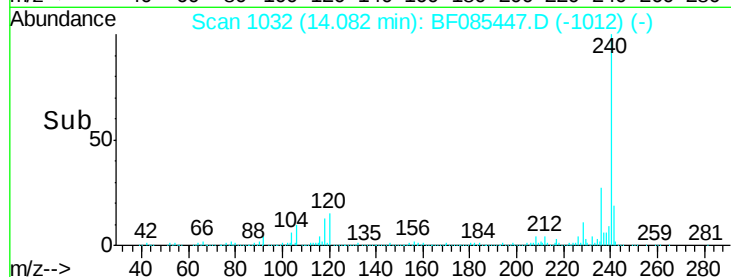
236 26.9 20.7 31.1



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: 7.09 ng

RT: 12.88 min Scan# 927

Delta R.T. -0.07 min

Lab File: BF085447.D

Acq: 15 Mar 2016 1:08

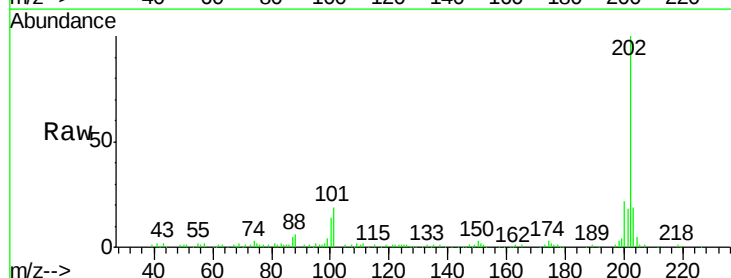
Tgt Ion:202 Resp: 147243

Ion Ratio Lower Upper

202 100

200 21.5 18.2 27.4

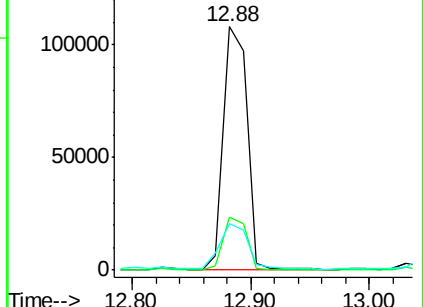
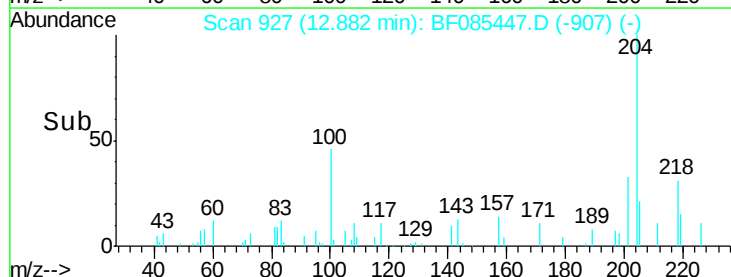
203 19.0 14.7 22.1

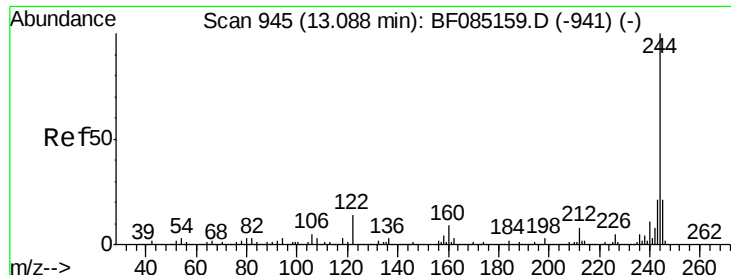


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 64.37 ng

RT: 13.03 min Scan# 940

Delta R.T. -0.06 min

Lab File: BF085447.D

Acq: 15 Mar 2016 1:08

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-23-COMP(0.5-1.5)

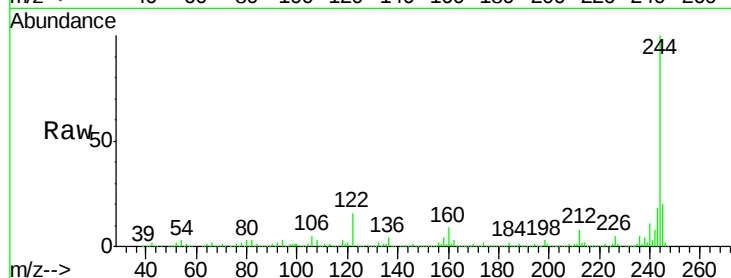
Tgt Ion:244 Resp: 764883

Ion Ratio Lower Upper

244 100

212 7.9 6.4 9.6

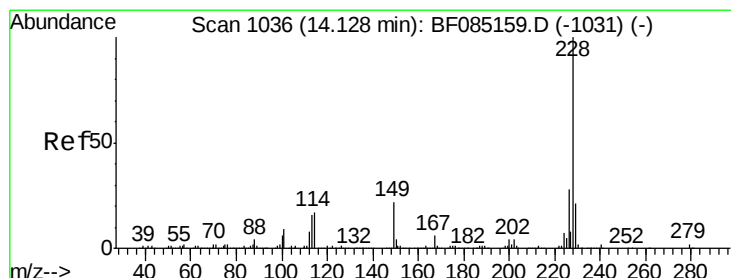
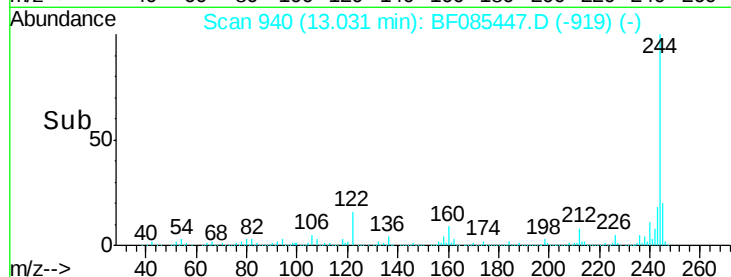
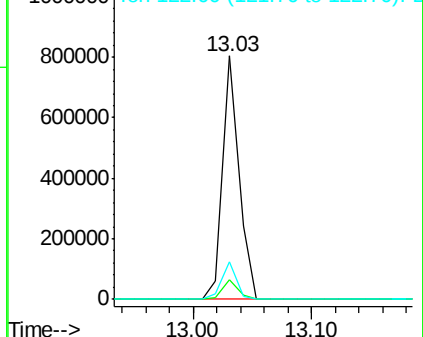
122 15.6 11.4 17.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 5.19 ng

RT: 14.07 min Scan# 1031

Delta R.T. -0.06 min

Lab File: BF085447.D

Acq: 15 Mar 2016 1:08

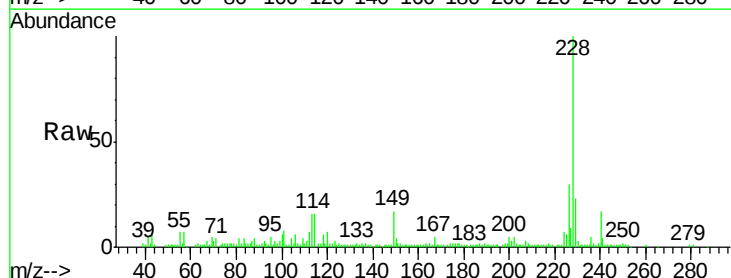
Tgt Ion:228 Resp: 85654

Ion Ratio Lower Upper

228 100

226 29.7 22.8 34.2

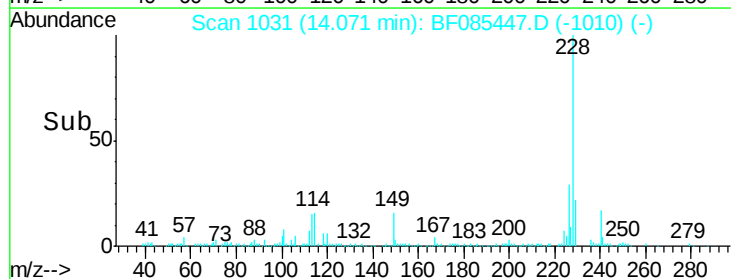
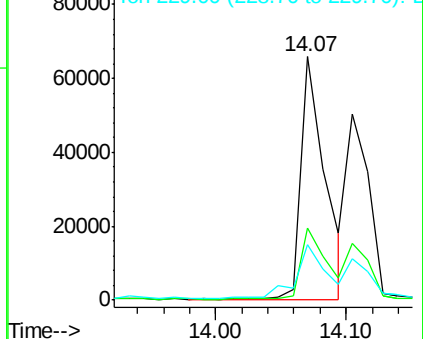
229 22.5 16.6 24.8

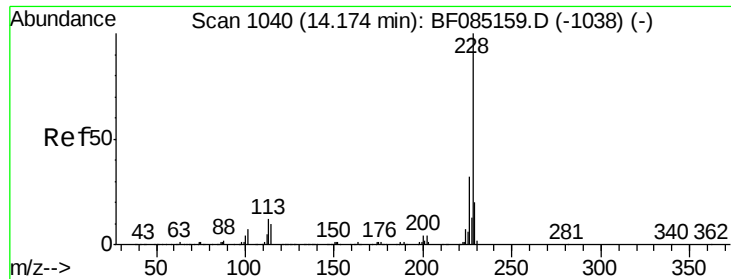


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

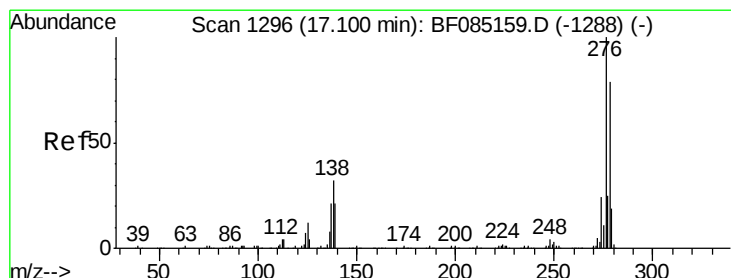
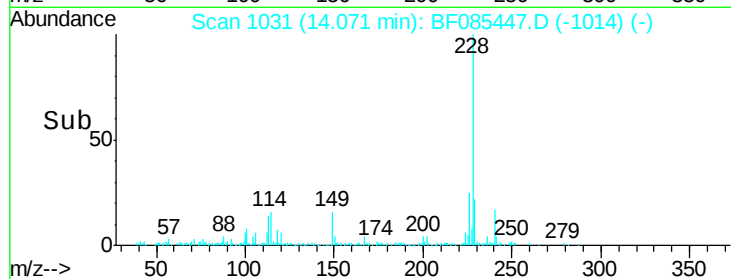
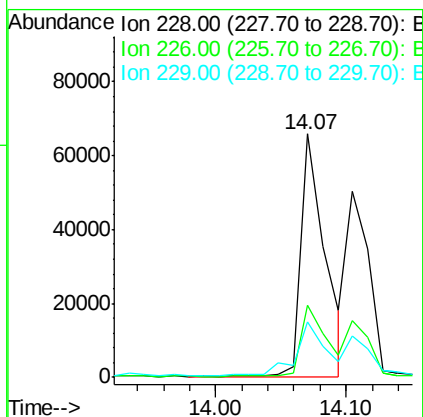
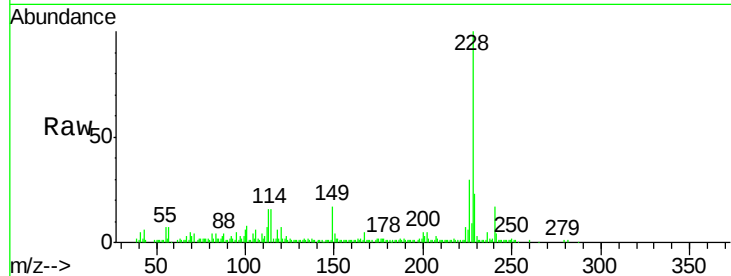




#82
Chrysene
Concen: 5.62 ng
RT: 14.07 min Scan# 1031
Delta R.T. -0.10 min
Lab File: BF085447.D
Acq: 15 Mar 2016 1:08

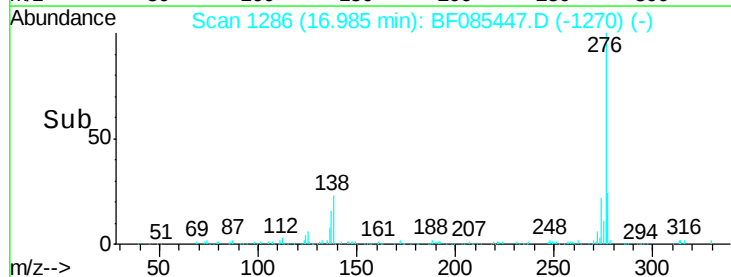
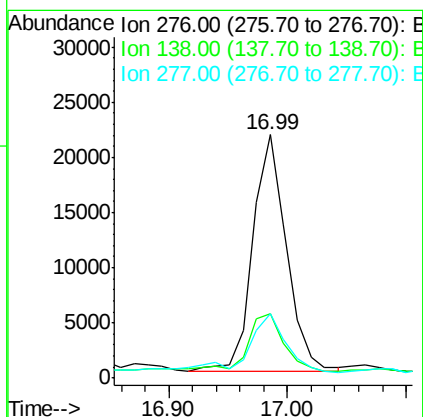
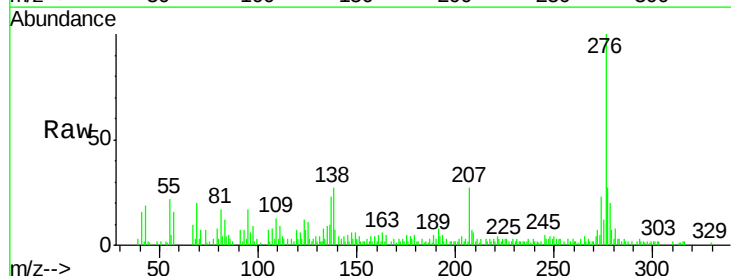
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-23-COMP(0.5-1.5)

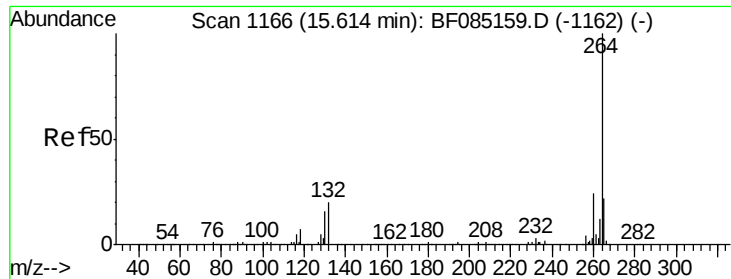
Tgt Ion: 228 Resp: 85654
Ion Ratio Lower Upper
228 100
226 29.7 25.2 37.8
229 22.5 16.0 24.0



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.55 ng
RT: 16.99 min Scan# 1286
Delta R.T. -0.11 min
Lab File: BF085447.D
Acq: 15 Mar 2016 1:08

Tgt Ion: 276 Resp: 42267
Ion Ratio Lower Upper
276 100
138 28.7 26.4 39.6
277 31.3 20.2 30.2#



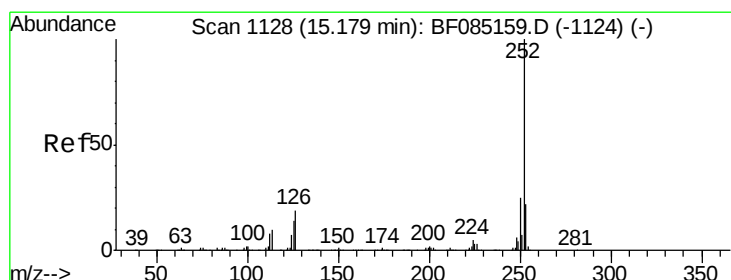
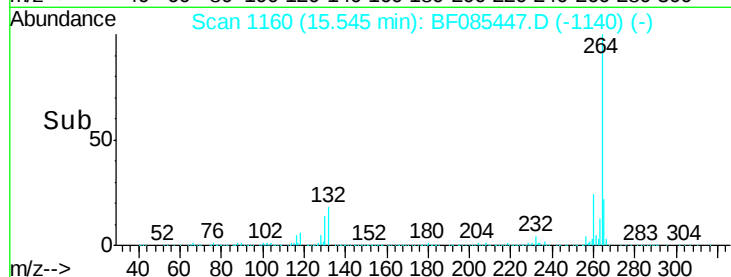
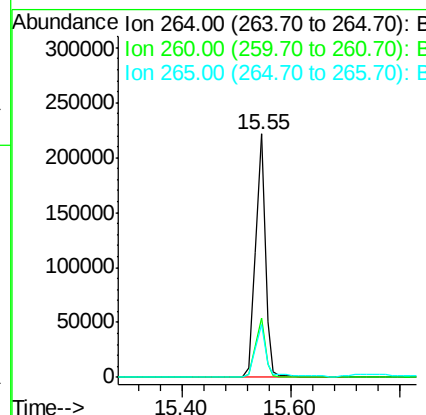
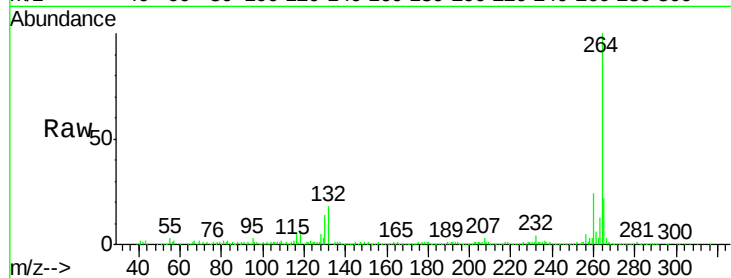


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.55 min Scan# 1160
Delta R.T. -0.07 min
Lab File: BF085447.D
Acq: 15 Mar 2016 1:08

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-23-COMP(0.5-1.5)

Tgt Ion: 264 Resp: 283271

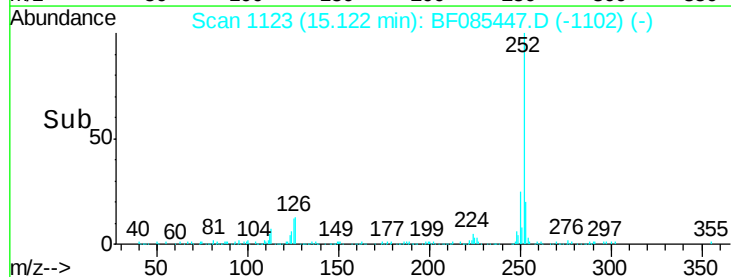
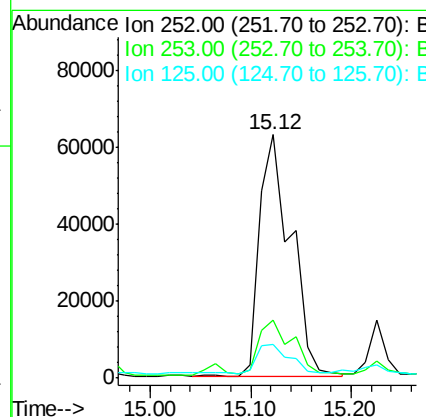
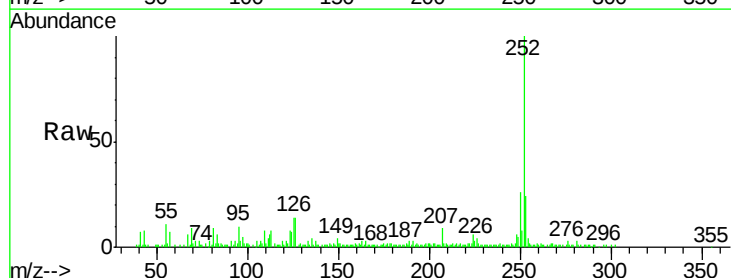
Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.0	17.3	25.9

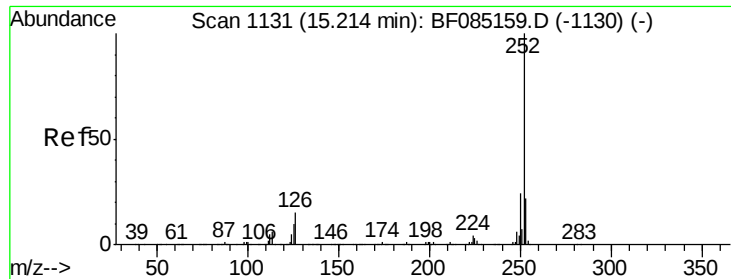


#87
Benzo(b)fluoranthene
Concen: 7.17 ng
RT: 15.12 min Scan# 1123
Delta R.T. -0.06 min
Lab File: BF085447.D
Acq: 15 Mar 2016 1:08

Tgt Ion: 252 Resp: 135298

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.6
125	14.1	11.3	16.9

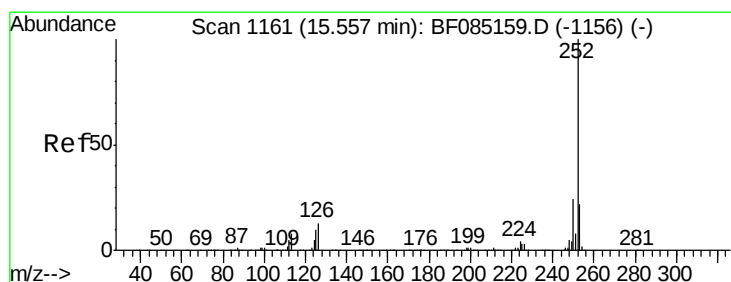
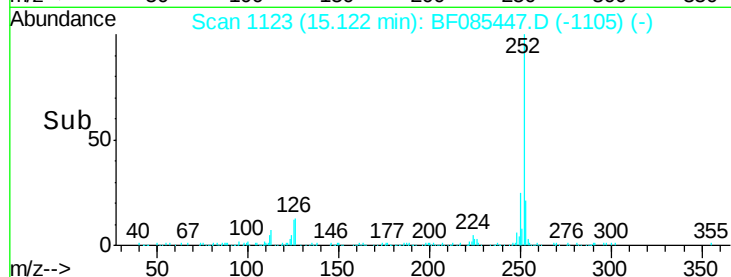
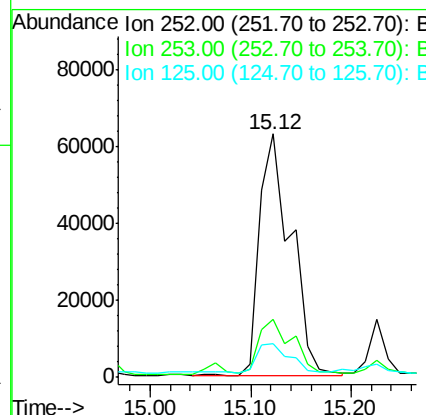
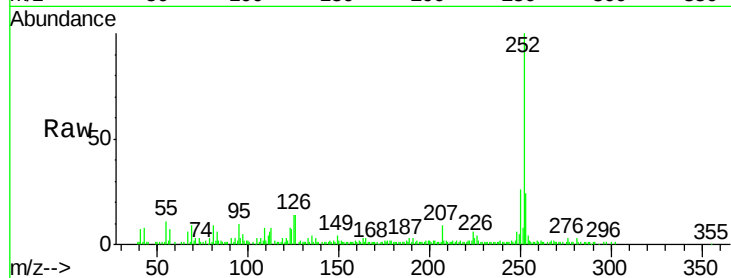




#88
Benzo(k)fluoranthene
Concen: 8.88 ng
RT: 15.12 min Scan# 1123
Delta R.T. -0.09 min
Lab File: BF085447.D
Acq: 15 Mar 2016 1:08

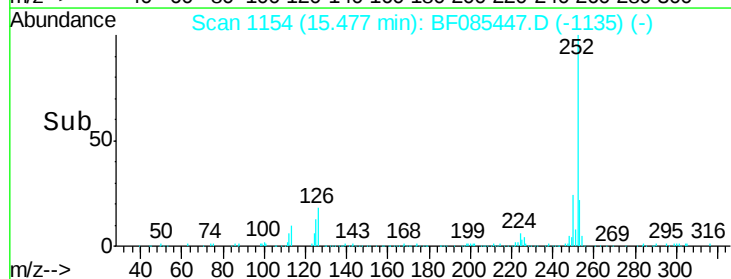
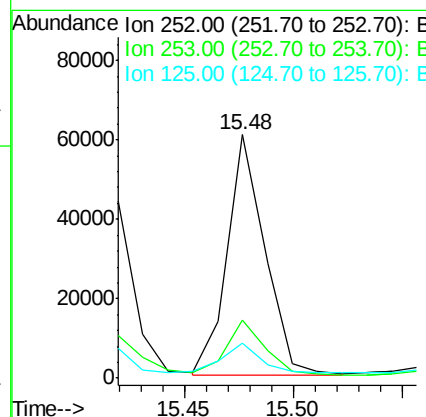
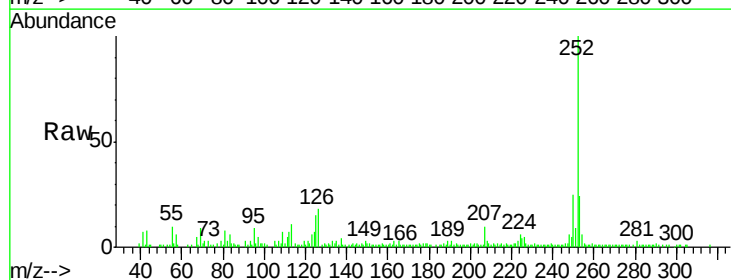
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-23-COMP(0.5-1.5)

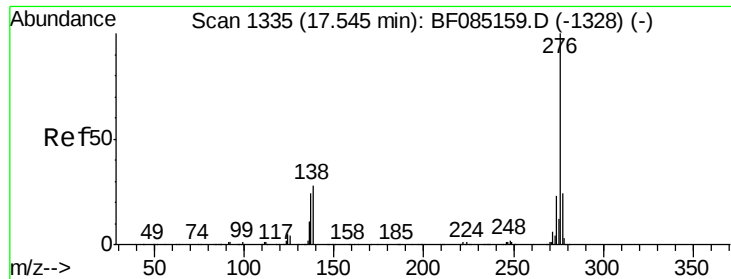
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.6
125	14.1	10.4	15.6



#89
Benzo(a)pyrene
Concen: 4.69 ng
RT: 15.48 min Scan# 1154
Delta R.T. -0.08 min
Lab File: BF085447.D
Acq: 15 Mar 2016 1:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.4	26.0
125	14.5	8.2	12.4





#91
 Benzo(g,h,i)perylene
 Concen: 3.05 ng
 RT: 17.42 min Scan# 1324
 Delta R.T. -0.13 min
 Lab File: BF085447.D
 Acq: 15 Mar 2016 1:08

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-23-COMP(0.5-1.5)

Tgt Ion: 276 Resp: 40984
 Ion Ratio Lower Upper
 276 100
 277 25.5 19.0 28.4
 138 26.8 22.5 33.7

