

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031416\
 Data File : BF085448.D
 Acq On : 15 Mar 2016 1:36
 Operator : UM/SJ
 Sample : H1730-04RE
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-18-COMP(0.5-1.5)

Quant Time: Mar 15 04:03:08 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	168528	20.00	ng	-0.06
21) Naphthalene-d8	8.21	136	648837	20.00	ng	-0.06
38) Acenaphthene-d10	9.97	164	275702	20.00	ng	-0.06
63) Phenanthrene-d10	11.45	188	406315	20.00	ng	-0.06
75) Chrysene-d12	14.09	240	307380	20.00	ng	-0.06
86) Perylene-d12	15.56	264	261657	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	1307718	130.16	ng	-0.05
7) Phenol-d6	6.56	99	1742634	132.39	ng	-0.05
23) Nitrobenzene-d5	7.49	82	1020727	84.18	ng	-0.06
41) 2,4,6-Tribromophenol	10.76	330	319672	135.51	ng	-0.06
44) 2-Fluorobiphenyl	9.29	172	1664519	91.82	ng	-0.06
78) Terphenyl-d14	13.04	244	1010989	76.35	ng	-0.05

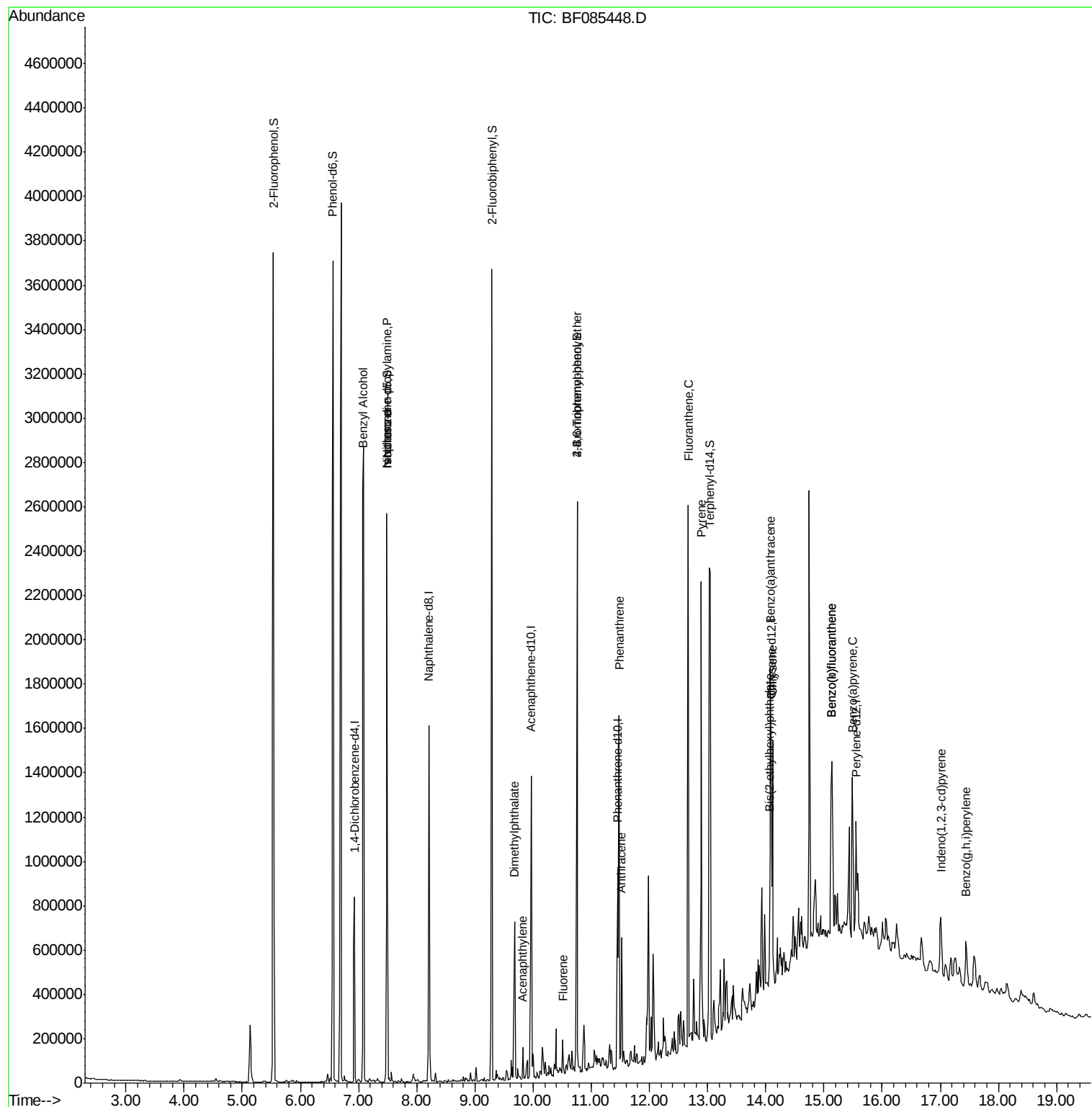
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.47	77	7899	Below Cal		99
15) Benzyl Alcohol	7.08	79	19366	2.00 ng	#	48
19) n-Nitroso-di-n-propylamine	7.49	70	134882	15.72 ng	#	79
25) Isophorone	7.49	82	817889	36.40 ng	#	67
48) Acenaphthylene	9.82	152	76411	2.73 ng		97
49) Dimethylphthalate	9.68	163	324927	15.35 ng		99
57) Fluorene	10.52	166	60854	3.49 ng		97
66) 4-Bromophenyl-phenylether	10.76	248	22515	5.71 ng	#	1
70) Phenanthrene	11.48	178	605670	28.44 ng		98
71) Anthracene	11.52	178	215870	9.55 ng		99
74) Fluoranthene	12.66	202	910160	42.59 ng		100
77) Pyrene	12.89	202	845033	36.53 ng		99
80) Benzo(a)anthracene	14.08	228	555942	30.21 ng		97
82) Chrysene	14.12	228	330058	19.42 ng		97
83) Bis(2-ethylhexyl)phthalate	14.07	149	35284	2.55 ng	#	92
85) Indeno(1,2,3-cd)pyrene	17.01	276	174774	13.17 ng	#	92
87) Benzo(b)fluoranthene	15.13	252	657273	37.69 ng		98
88) Benzo(k)fluoranthene	15.13	252	657273	46.72 ng		97
89) Benzo(a)pyrene	15.49	252	346206	23.95 ng	#	93
91) Benzo(g,h,i)perylene	17.44	276	161733	13.04 ng		98

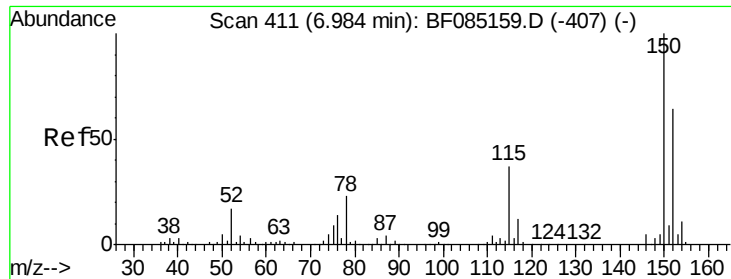
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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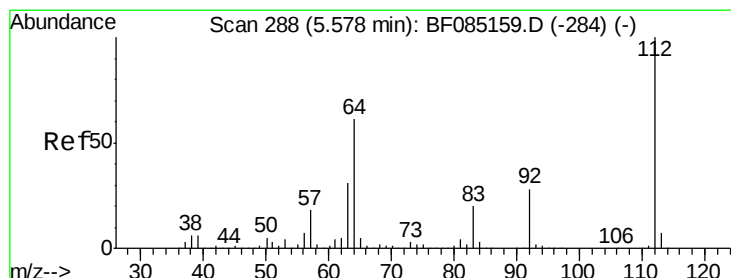
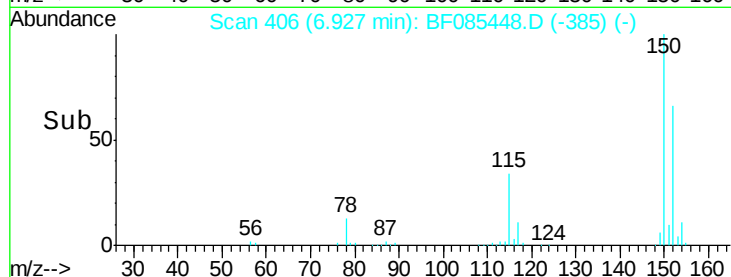
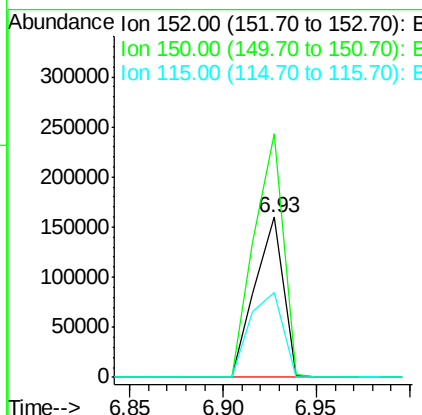
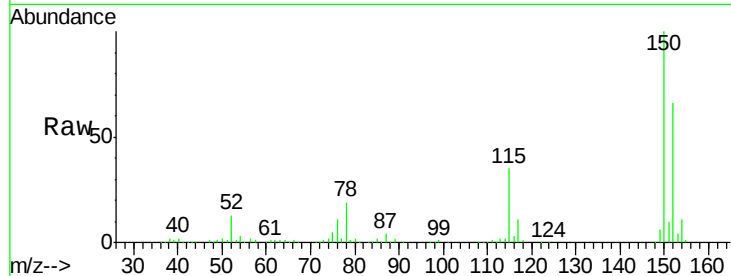




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.93 min Scan# 406
 Delta R.T. -0.06 min
 Lab File: BF085448.D
 Acq: 15 Mar 2016 1:36

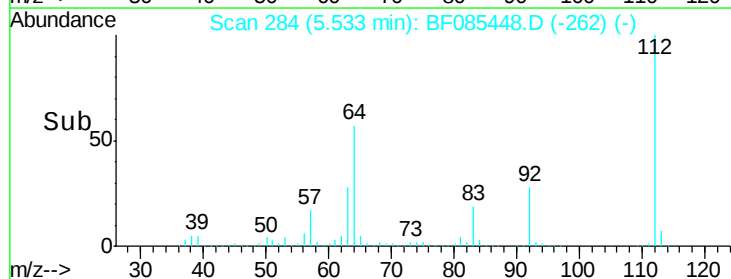
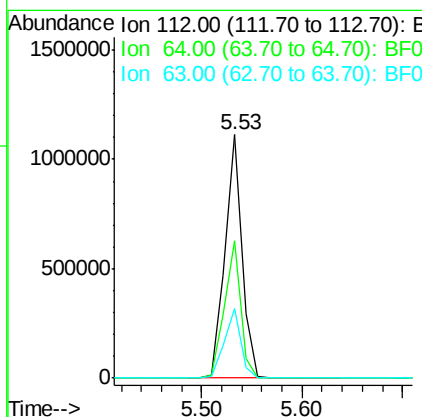
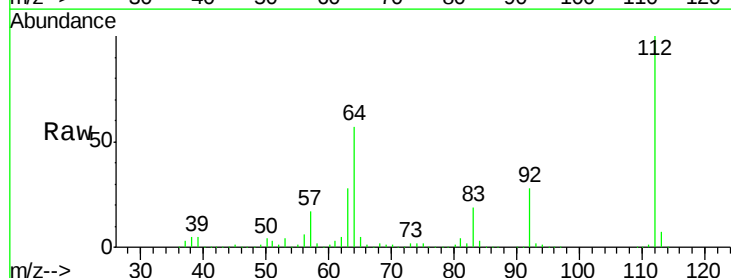
Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-18-COMP(0.5-1.5)

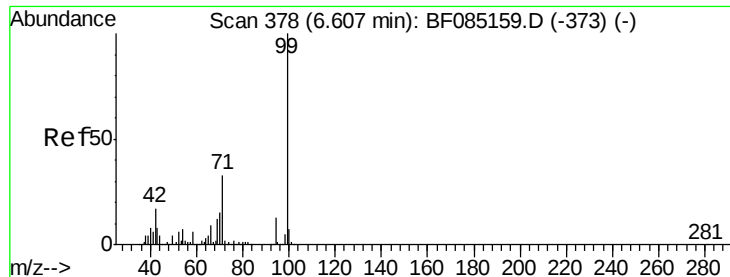
Tgt Ion:152 Resp: 168528
 Ion Ratio Lower Upper
 152 100
 150 152.2 124.6 186.8
 115 52.9 46.6 70.0



#5
 2-Fluorophenol
 Concen: 130.16 ng
 RT: 5.53 min Scan# 284
 Delta R.T. -0.05 min
 Lab File: BF085448.D
 Acq: 15 Mar 2016 1:36

Tgt Ion:112 Resp: 1307718
 Ion Ratio Lower Upper
 112 100
 64 56.5 49.0 73.4
 63 28.5 24.8 37.2





#7

Phenol-d6

Concen: 132.39 ng

RT: 6.56 min Scan# 374

Delta R.T. -0.05 min

Lab File: BF085448.D

Acq: 15 Mar 2016 1:36

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-18-COMP(0.5-1.5)

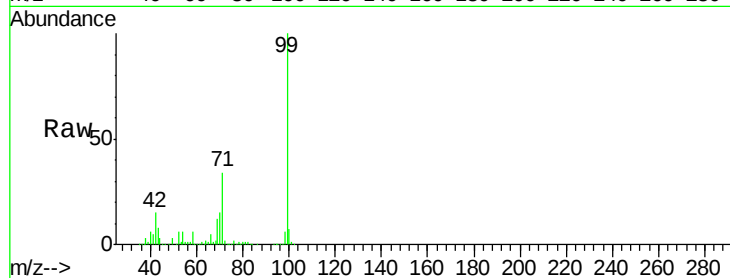
Tgt Ion: 99 Resp: 1742634

Ion Ratio Lower Upper

99 100

42 15.3 13.6 20.4

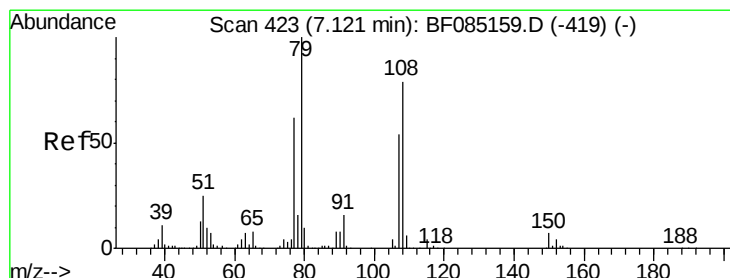
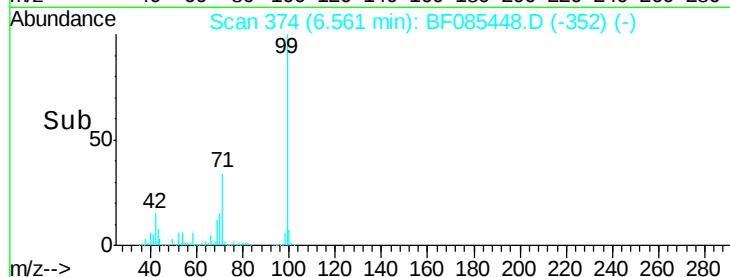
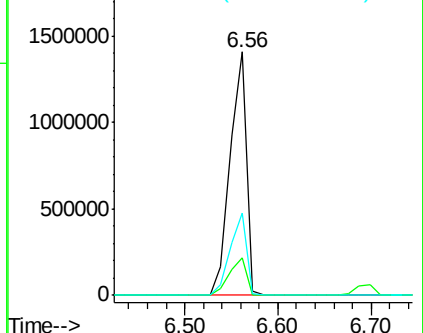
71 34.0 26.7 40.1



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: 2.00 ng

RT: 7.08 min Scan# 419

Delta R.T. -0.05 min

Lab File: BF085448.D

Acq: 15 Mar 2016 1:36

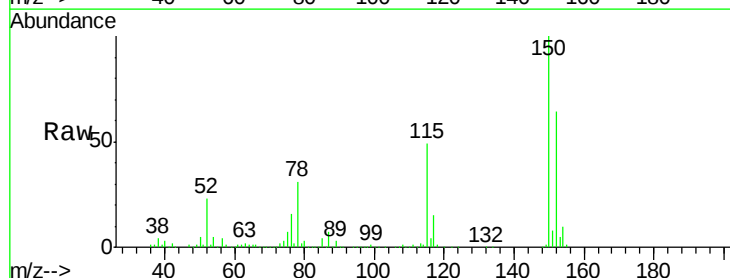
Tgt Ion: 79 Resp: 19366

Ion Ratio Lower Upper

79 100

108 30.7 62.9 94.3#

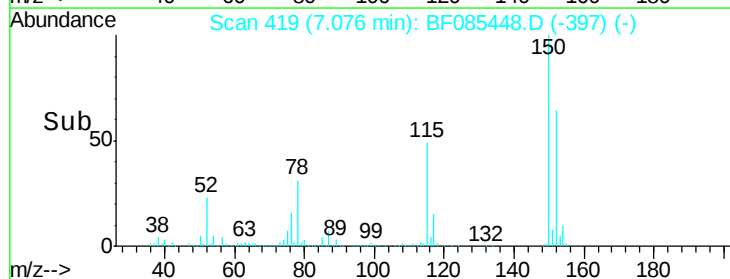
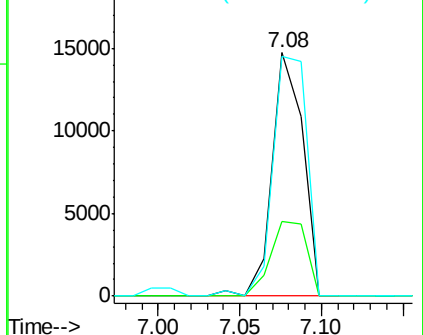
77 98.5 49.5 74.3#

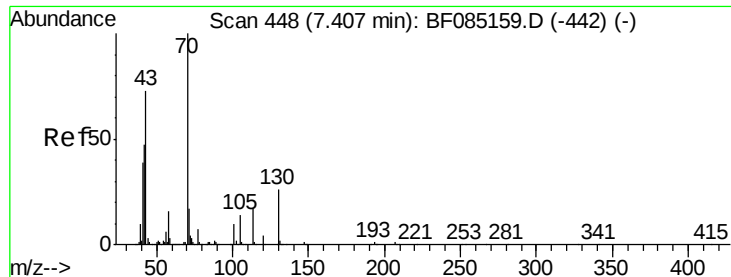


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

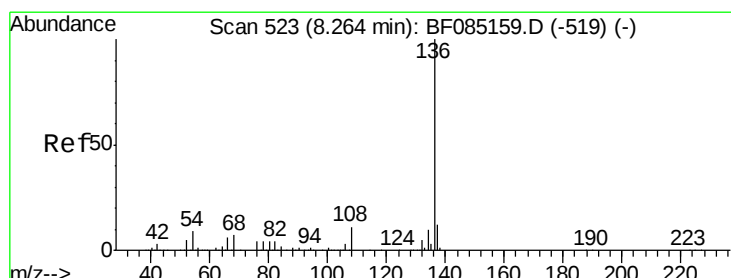
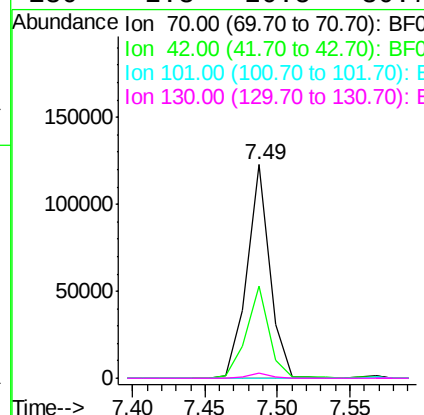
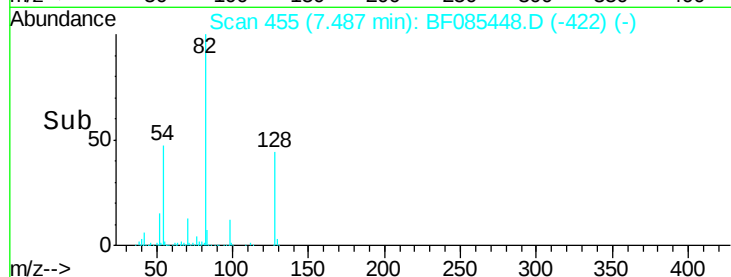
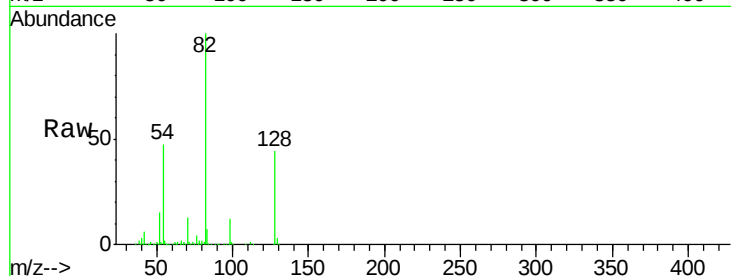




#19
n-Nitroso-di-n-propylamine
Concen: 15.72 ng
RT: 7.49 min Scan# 455
Delta R.T. 0.08 min
Lab File: BF085448.D
Acq: 15 Mar 2016 1:36

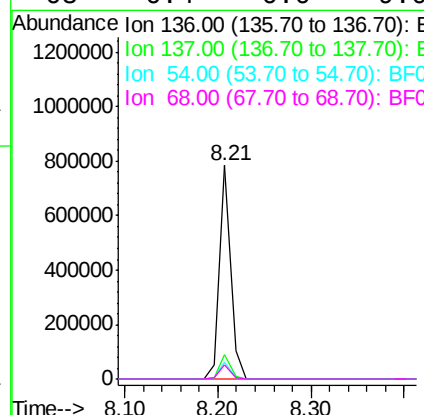
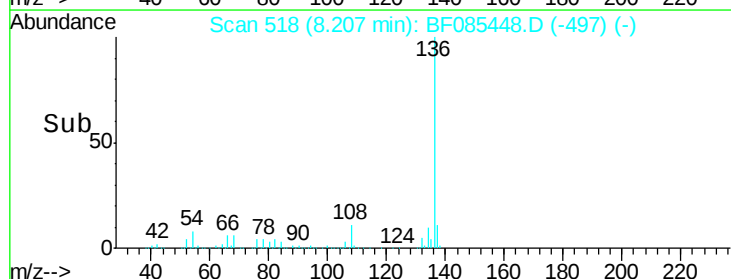
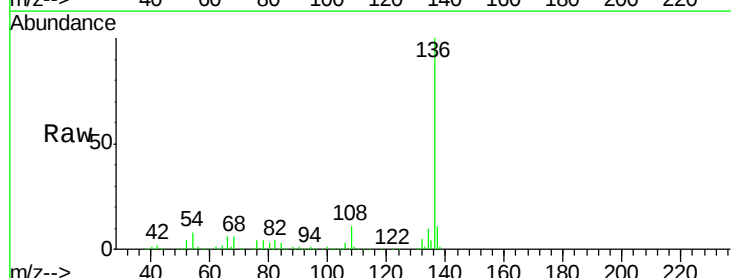
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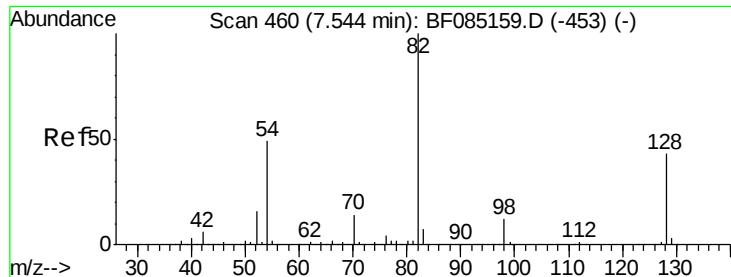
Tgt Ion: 70 Resp: 134882
Ion Ratio Lower Upper
70 100
42 43.0 37.7 56.5
101 0.0 8.2 12.4#
130 2.3 20.5 30.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.21 min Scan# 518
Delta R.T. -0.06 min
Lab File: BF085448.D
Acq: 15 Mar 2016 1:36

Tgt Ion: 136 Resp: 648837
Ion Ratio Lower Upper
136 100
137 11.4 9.3 13.9
54 7.5 7.4 11.2
68 6.4 6.0 9.0

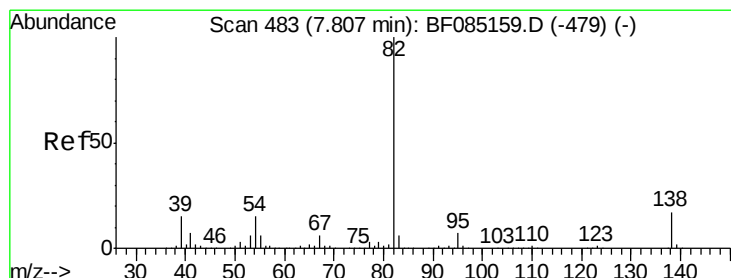
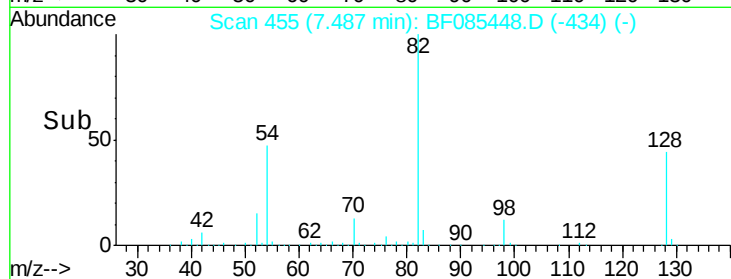
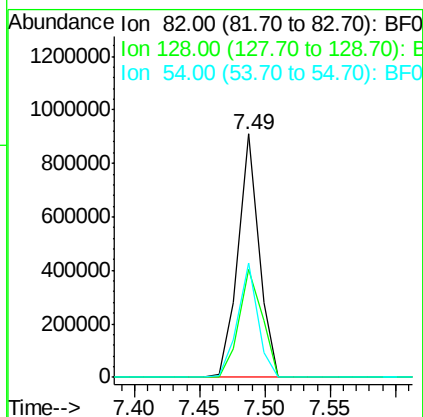
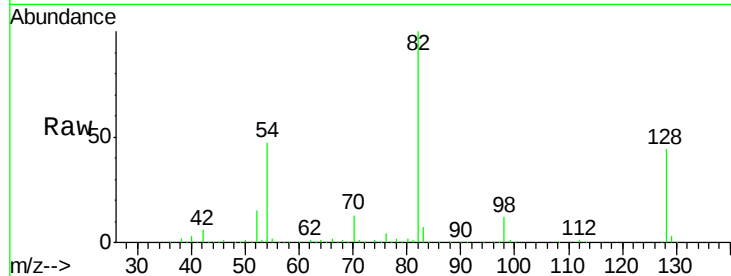




#23
Nitrobenzene-d5
Concen: 84.18 ng
RT: 7.49 min Scan# 455
Delta R.T. -0.06 min
Lab File: BF085448.D
Acq: 15 Mar 2016 1:36

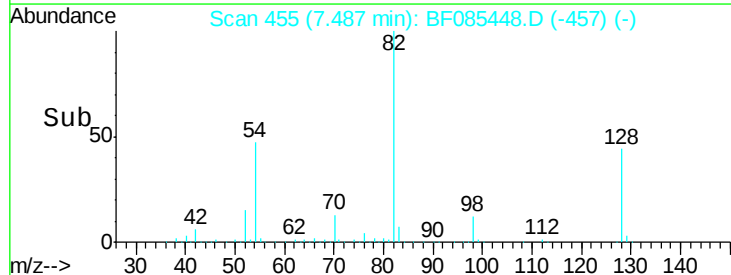
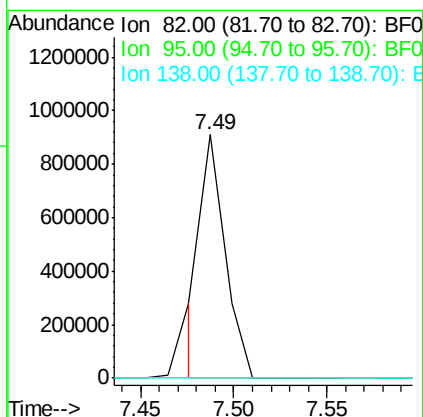
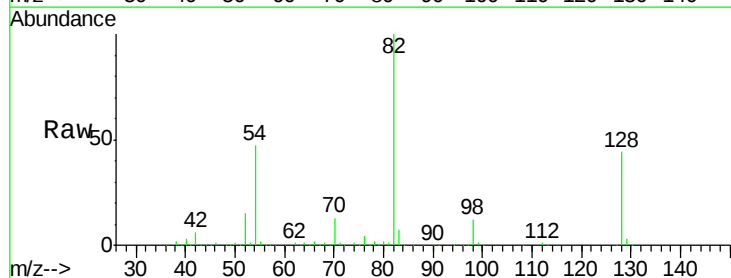
Instrument :
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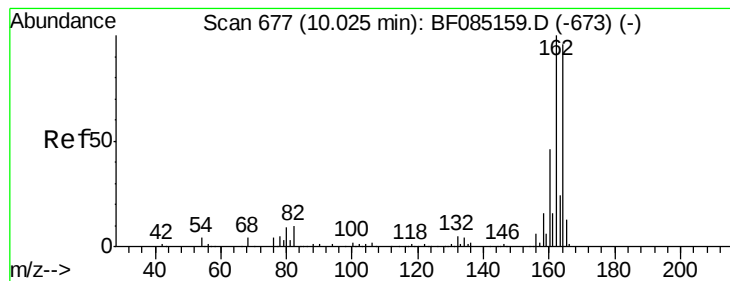
Tgt Ion: 82 Resp: 1020727
Ion Ratio Lower Upper
82 100
128 44.3 34.5 51.7
54 46.8 39.3 58.9



#25
Isophorone
Concen: 36.40 ng
RT: 7.49 min Scan# 455
Delta R.T. -0.32 min
Lab File: BF085448.D
Acq: 15 Mar 2016 1:36

Tgt Ion: 82 Resp: 817889
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 13.3 19.9#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.97 min Scan# 672

Delta R.T. -0.06 min

Lab File: BF085448.D

Acq: 15 Mar 2016 1:36

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-18-COMP(0.5-1.5)

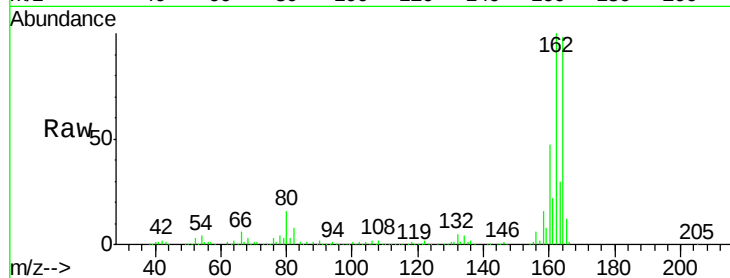
Tgt Ion:164 Resp: 275702

Ion Ratio Lower Upper

164 100

162 102.6 83.3 124.9

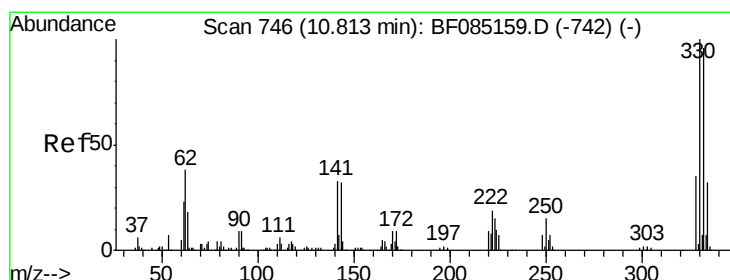
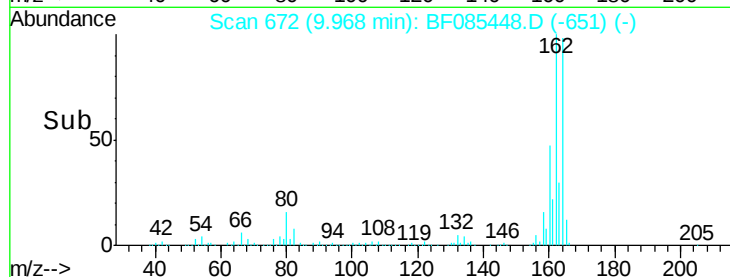
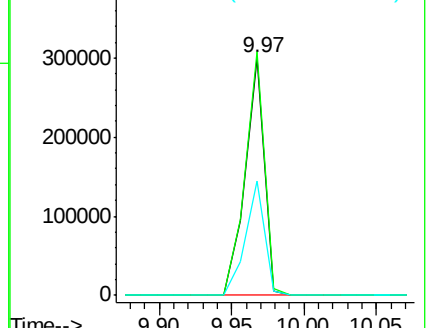
160 48.4 37.9 56.9



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: 135.51 ng

RT: 10.76 min Scan# 741

Delta R.T. -0.06 min

Lab File: BF085448.D

Acq: 15 Mar 2016 1:36

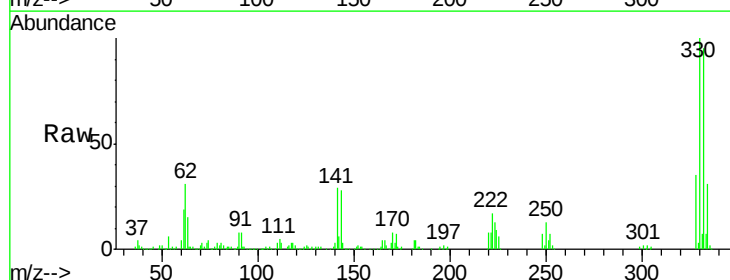
Tgt Ion:330 Resp: 319672

Ion Ratio Lower Upper

330 100

332 95.1 77.1 115.7

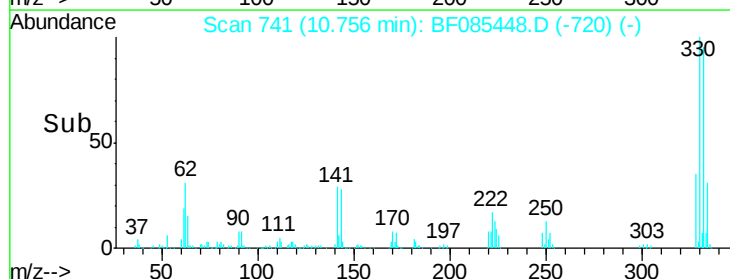
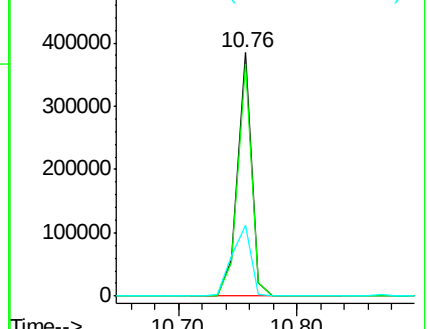
141 38.4 35.0 52.6

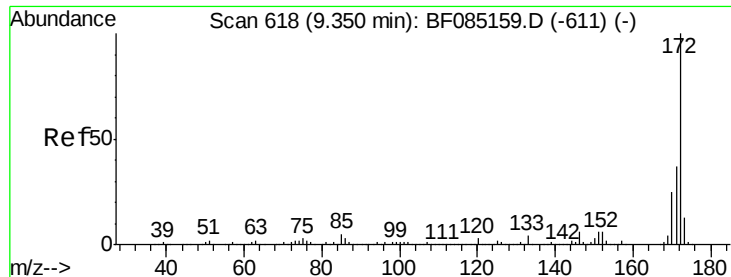


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

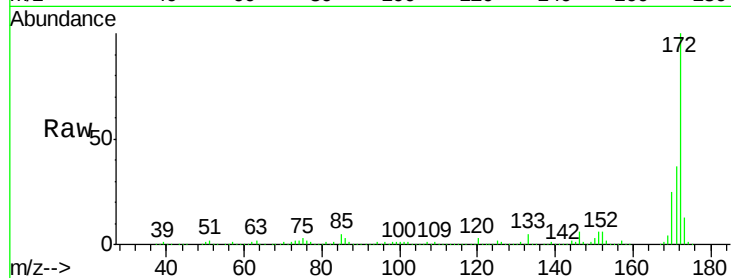




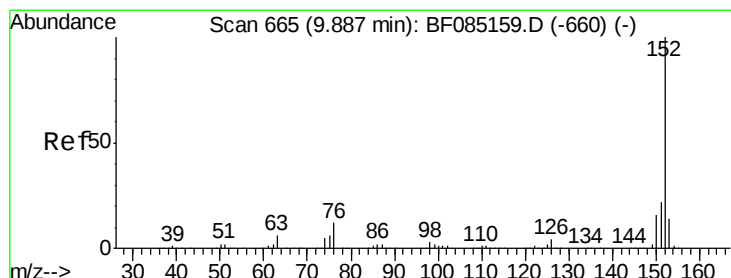
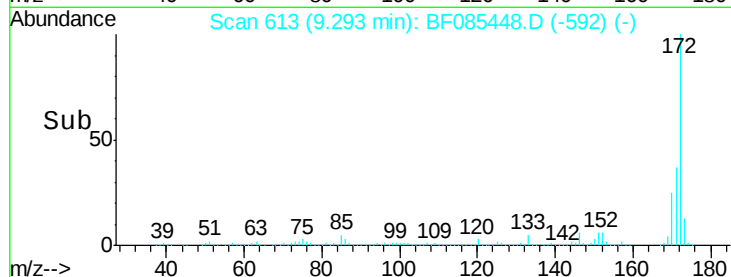
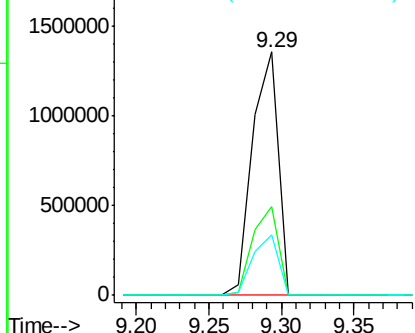
#44
 2-Fluorobiphenyl
 Concen: 91.82 ng
 RT: 9.29 min Scan# 613
 Delta R.T. -0.06 min
 Lab File: BF085448.D
 Acq: 15 Mar 2016 1:36

Instrument :
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 W170TH-SB-18-COMP(0.5-1.5)

Tgt Ion:172 Resp: 1664519
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.3 43.9
 170 25.1 20.0 30.0

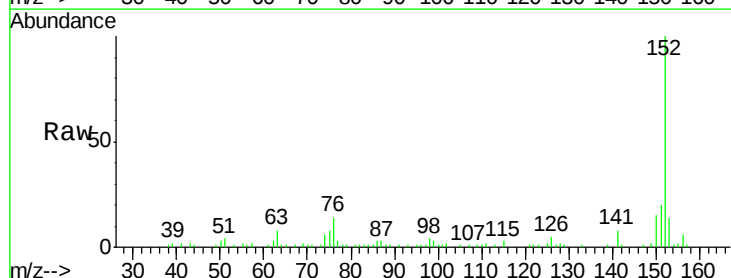


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

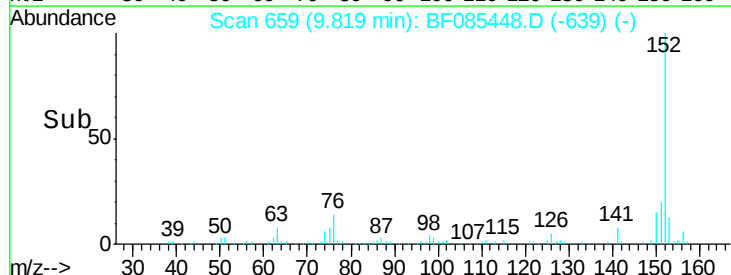
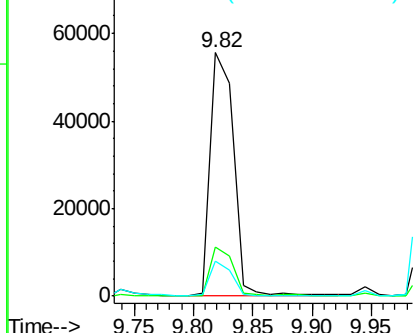


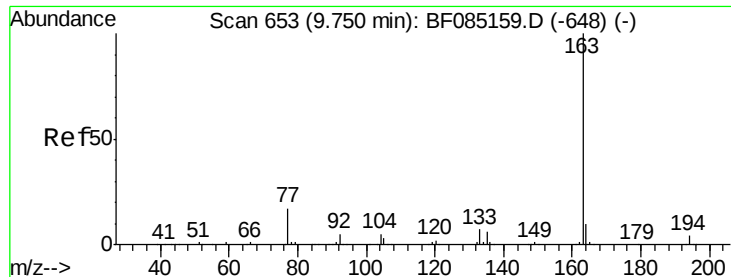
#48
 Acenaphthylene
 Concen: 2.73 ng
 RT: 9.82 min Scan# 659
 Delta R.T. -0.07 min
 Lab File: BF085448.D
 Acq: 15 Mar 2016 1:36

Tgt Ion:152 Resp: 76411
 Ion Ratio Lower Upper
 152 100
 151 20.1 17.5 26.3
 153 14.3 11.3 16.9



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 15.35 ng

RT: 9.68 min Scan# 647

Delta R.T. -0.07 min

Lab File: BF085448.D

Acq: 15 Mar 2016 1:36

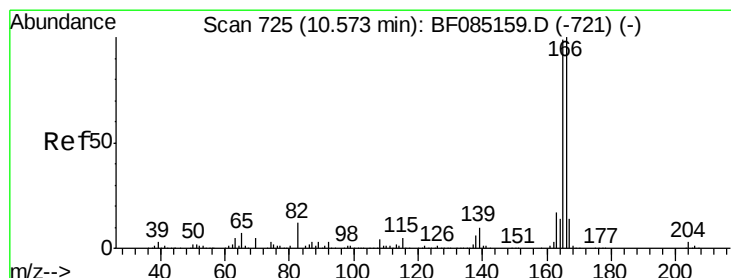
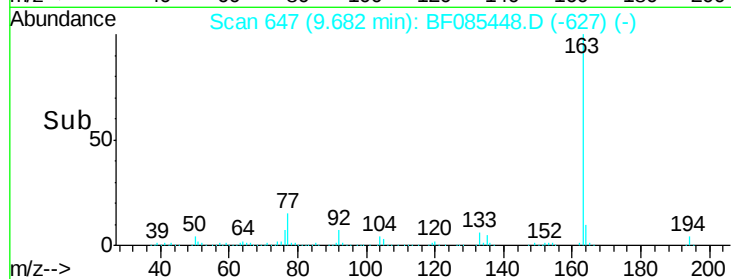
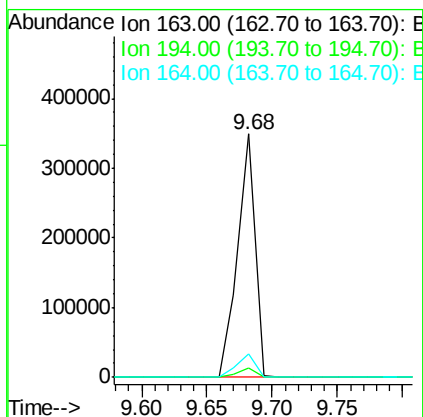
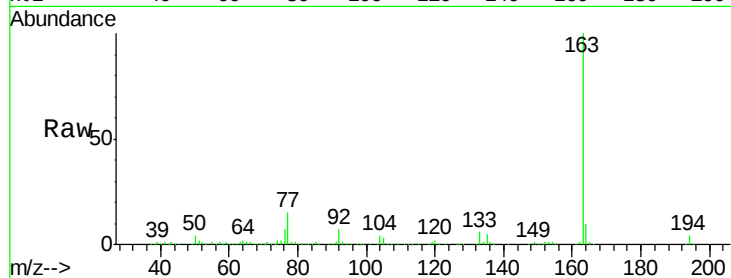
Instrument :

BNA_F

ClientSampleId :

W170TH-SB-18-COMP(0.5-1.5)

Tgt Ion:	163	Resp:	324927
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.1	4.7
164	9.7	8.2	12.4



#57

Fluorene

Concen: 3.49 ng

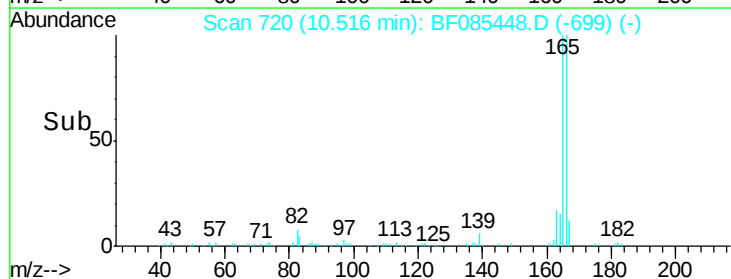
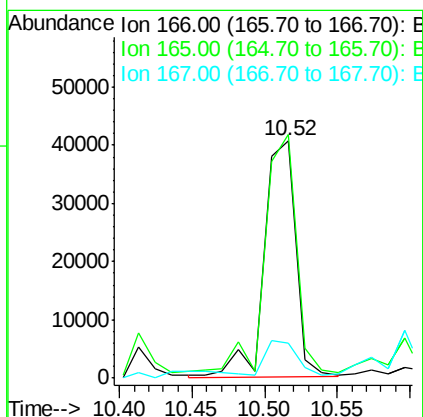
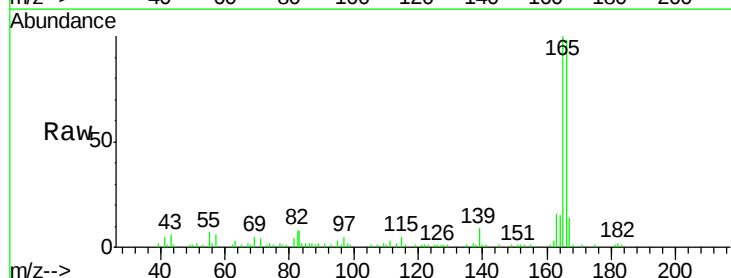
RT: 10.52 min Scan# 720

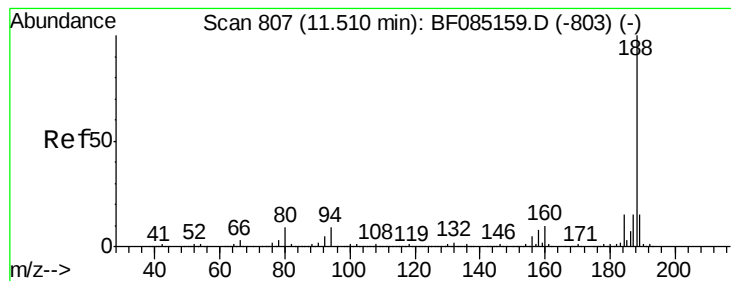
Delta R.T. -0.06 min

Lab File: BF085448.D

Acq: 15 Mar 2016 1:36

Tgt Ion:	166	Resp:	60854
Ion Ratio	Lower	Upper	
166	100		
165	102.4	79.4	119.0
167	14.7	11.0	16.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.45 min Scan# 802

Delta R.T. -0.06 min

Lab File: BF085448.D

Acq: 15 Mar 2016 1:36

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-18-COMP(0.5-1.5)

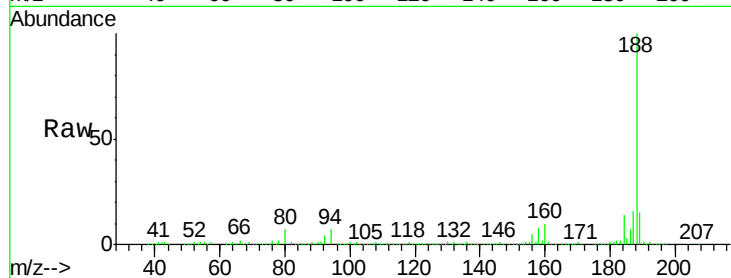
Tgt Ion:188 Resp: 406315

Ion Ratio Lower Upper

188 100

94 7.1 7.0 10.6

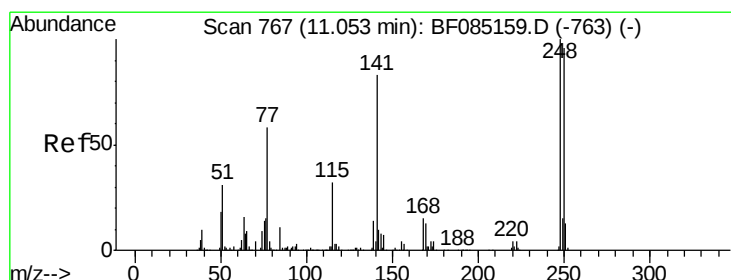
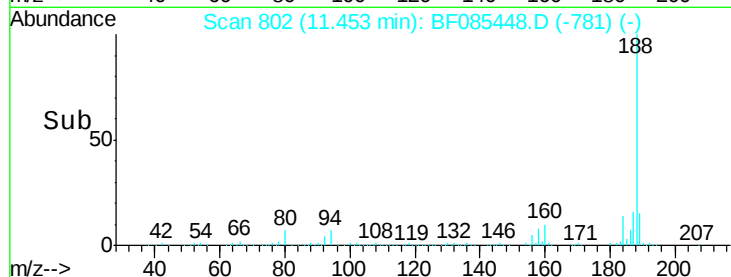
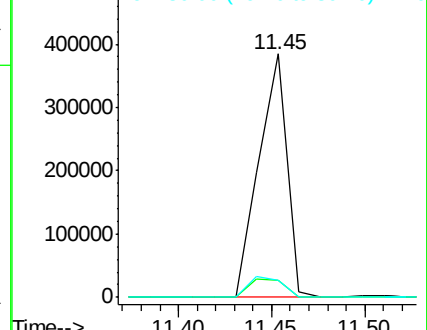
80 7.0 7.4 11.0#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#66

4-Bromophenyl-phenylether

Concen: 5.71 ng

RT: 10.76 min Scan# 741

Delta R.T. -0.30 min

Lab File: BF085448.D

Acq: 15 Mar 2016 1:36

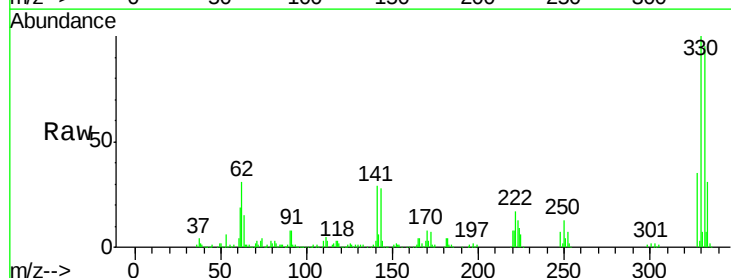
Tgt Ion:248 Resp: 22515

Ion Ratio Lower Upper

248 100

250 201.0 77.1 115.7#

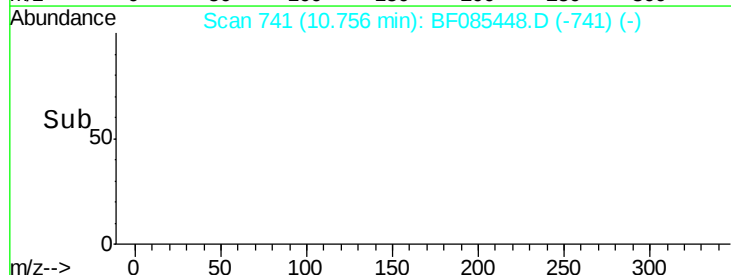
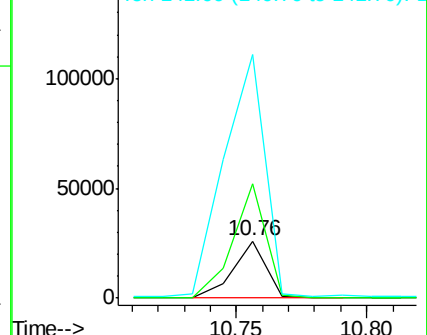
141 429.4 66.2 99.2#

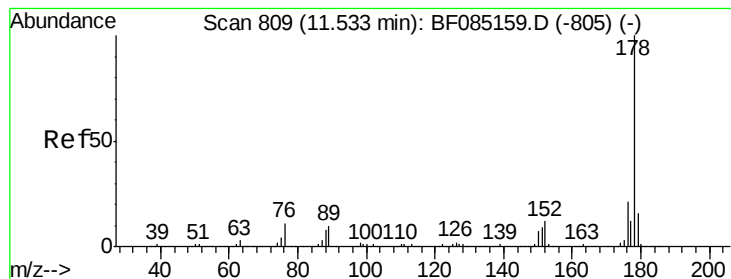


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 28.44 ng

RT: 11.48 min Scan# 804

Delta R.T. -0.06 min

Lab File: BF085448.D

Acq: 15 Mar 2016 1:36

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-18-COMP(0.5-1.5)

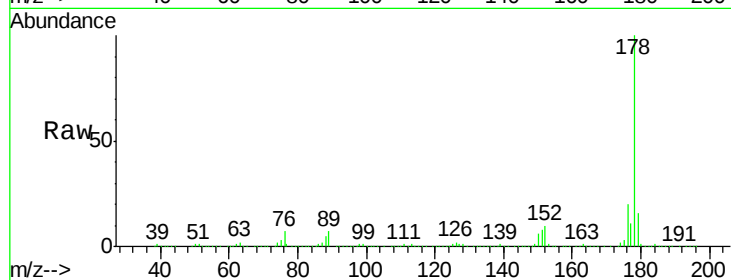
Tgt Ion:178 Resp: 605670

Ion Ratio Lower Upper

178 100

176 20.0 16.8 25.2

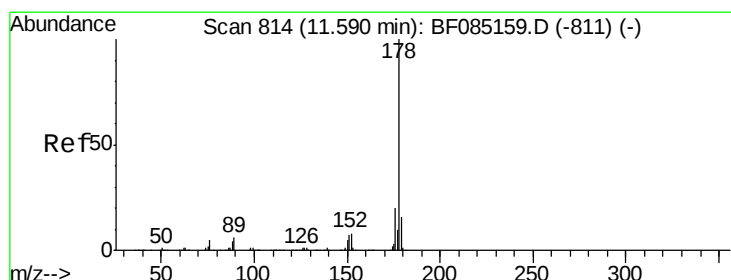
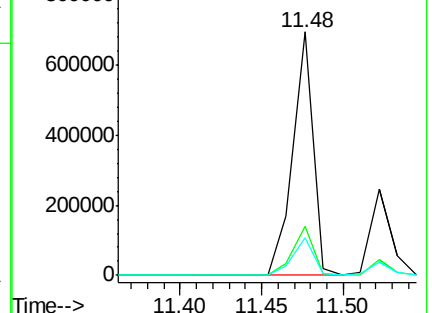
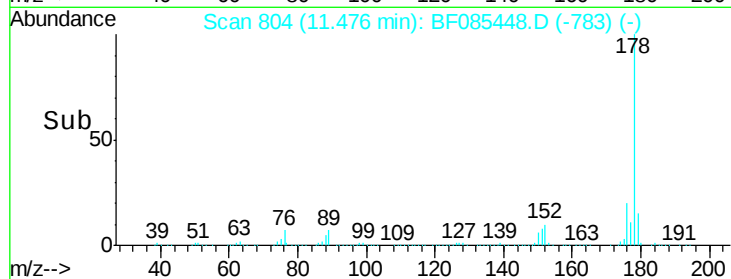
179 15.6 13.1 19.7



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: 9.55 ng

RT: 11.52 min Scan# 808

Delta R.T. -0.07 min

Lab File: BF085448.D

Acq: 15 Mar 2016 1:36

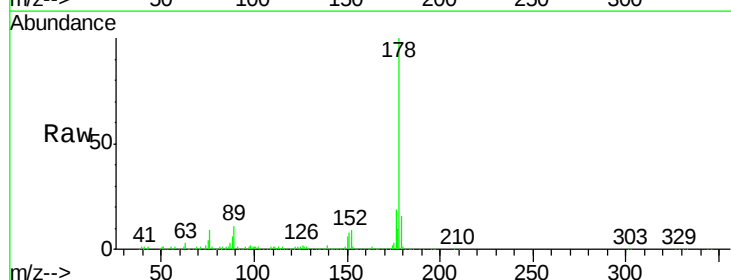
Tgt Ion:178 Resp: 215870

Ion Ratio Lower Upper

178 100

176 18.9 15.9 23.9

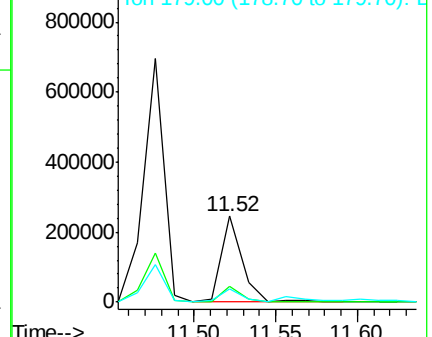
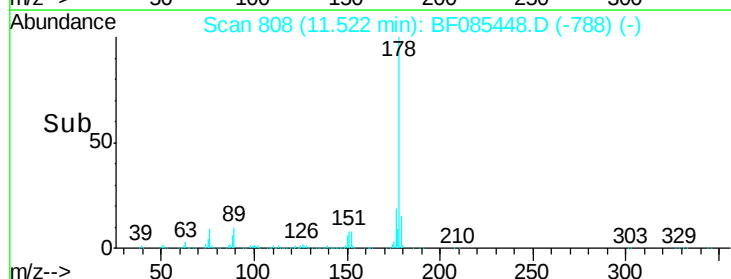
179 15.5 12.5 18.7

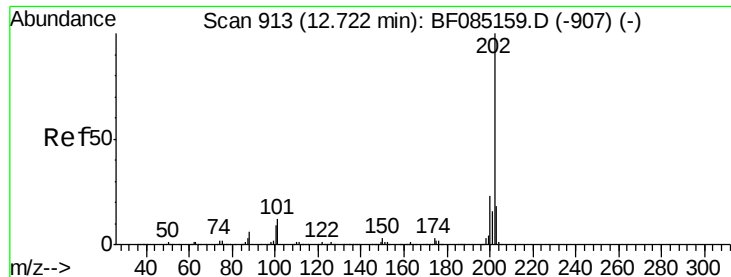


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 42.59 ng

RT: 12.66 min Scan# 908

Delta R.T. -0.06 min

Lab File: BF085448.D

Acq: 15 Mar 2016 1:36

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-18-COMP(0.5-1.5)

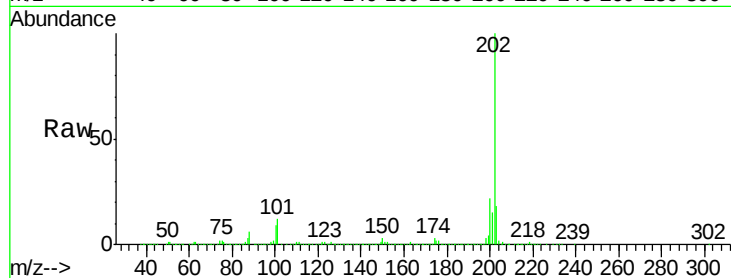
Tgt Ion:202 Resp: 910160

Ion Ratio Lower Upper

202 100

101 12.0 0.0 31.8

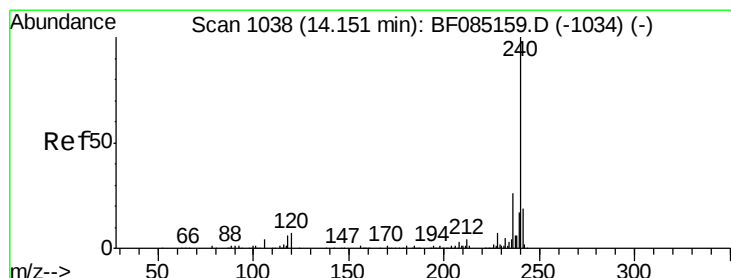
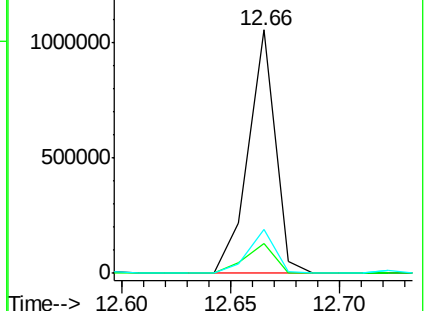
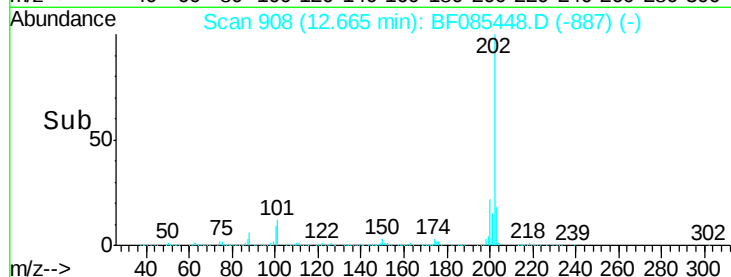
203 18.3 0.0 38.4



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: 14.09 min Scan# 1033

Delta R.T. -0.06 min

Lab File: BF085448.D

Acq: 15 Mar 2016 1:36

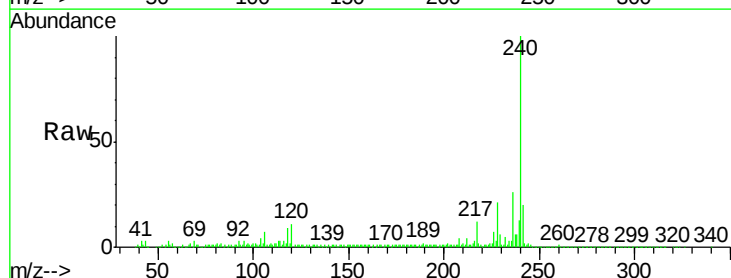
Tgt Ion:240 Resp: 307380

Ion Ratio Lower Upper

240 100

120 10.6 5.3 7.9#

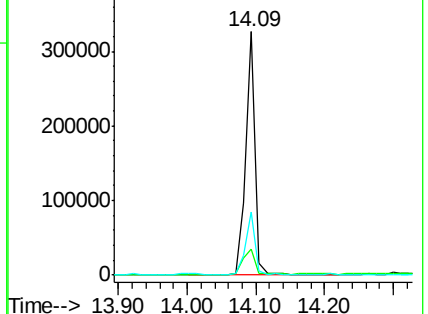
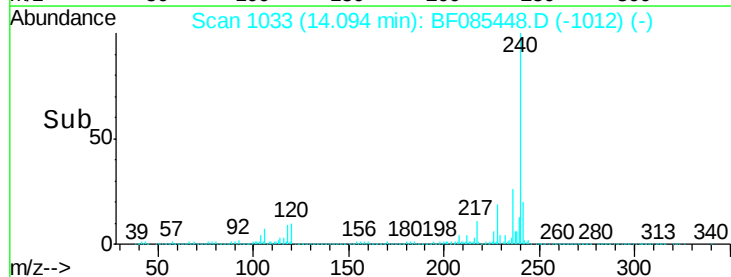
236 26.2 20.7 31.1

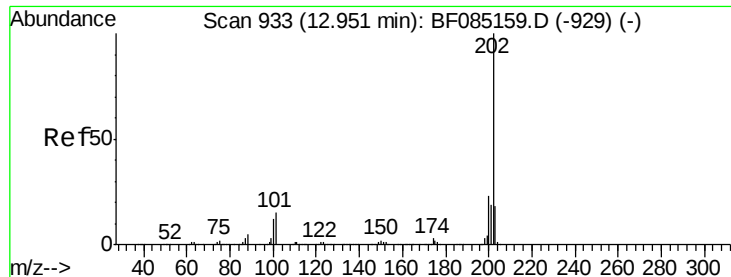


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

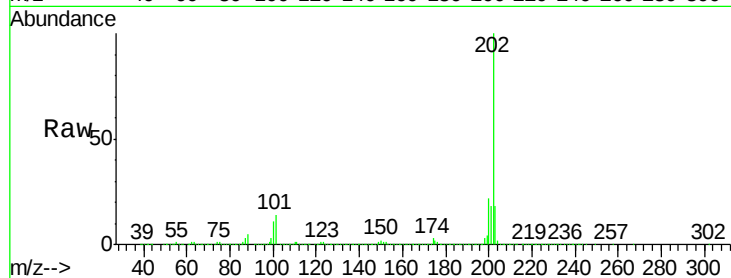




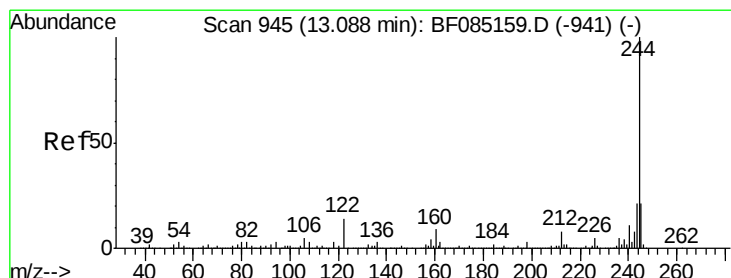
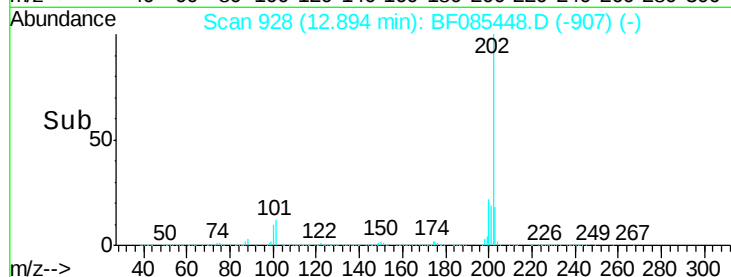
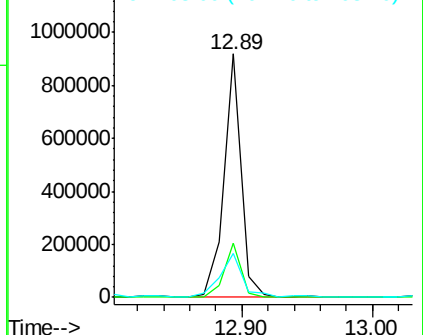
#77
Pyrene
Concen: 36.53 ng
RT: 12.89 min Scan# 928
Delta R.T. -0.06 min
Lab File: BF085448.D
Acq: 15 Mar 2016 1:36

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-18-COMP(0.5-1.5)

Tgt Ion:202 Resp: 845033
Ion Ratio Lower Upper
202 100
200 22.1 18.2 27.4
203 18.2 14.7 22.1

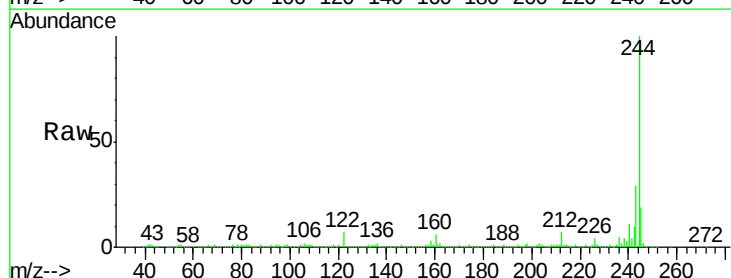


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

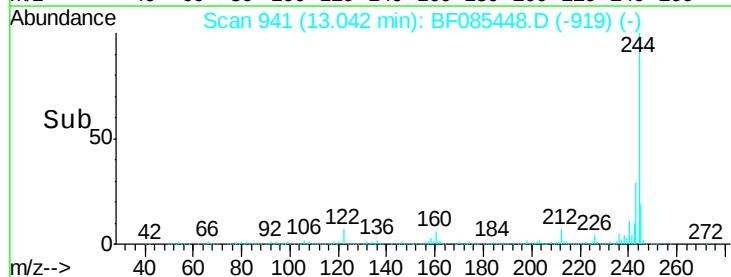
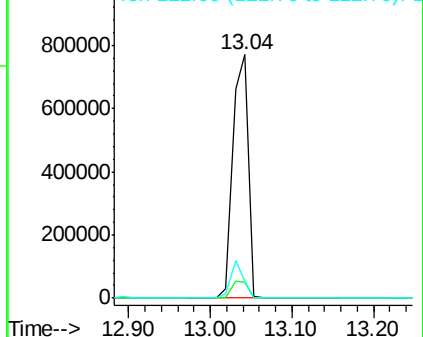


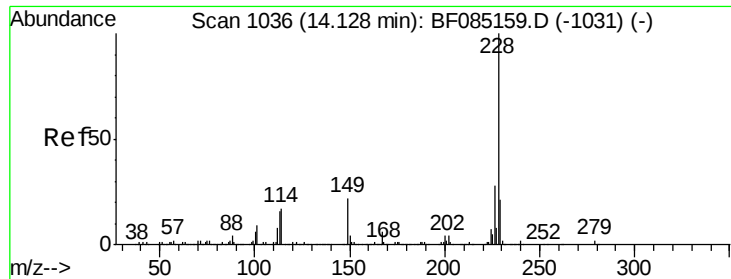
#78
Terphenyl-d14
Concen: 76.35 ng
RT: 13.04 min Scan# 941
Delta R.T. -0.05 min
Lab File: BF085448.D
Acq: 15 Mar 2016 1:36

Tgt Ion:244 Resp: 1010989
Ion Ratio Lower Upper
244 100
212 6.7 6.4 9.6
122 6.9 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

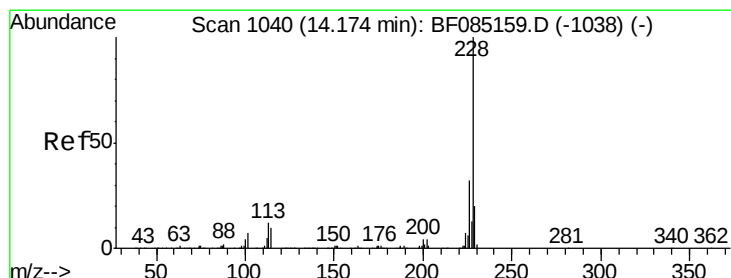
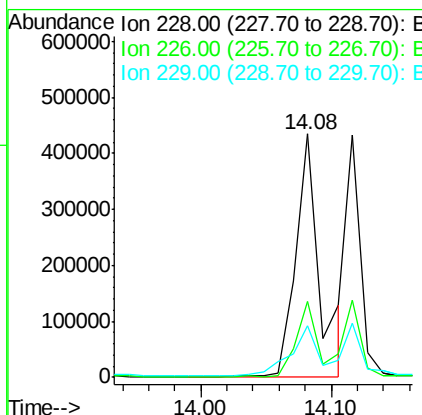
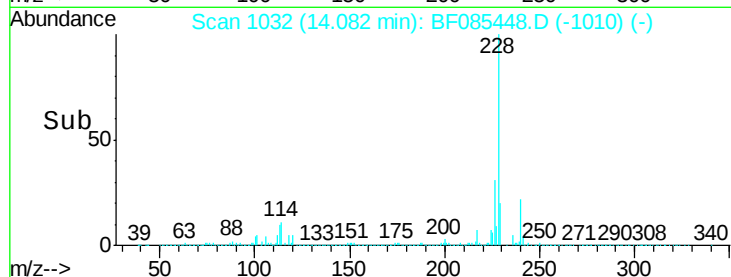
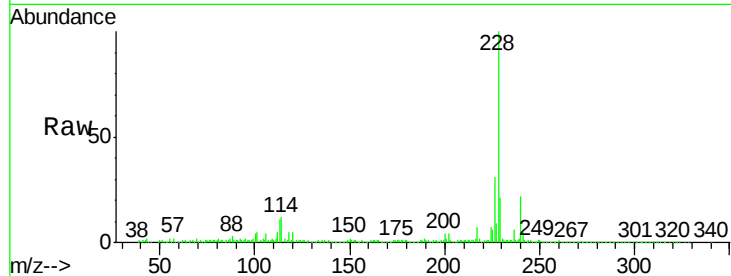




#80
Benzo(a)anthracene
Concen: 30.21 ng
RT: 14.08 min Scan# 1032
Delta R.T. -0.05 min
Lab File: BF085448.D
Acq: 15 Mar 2016 1:36

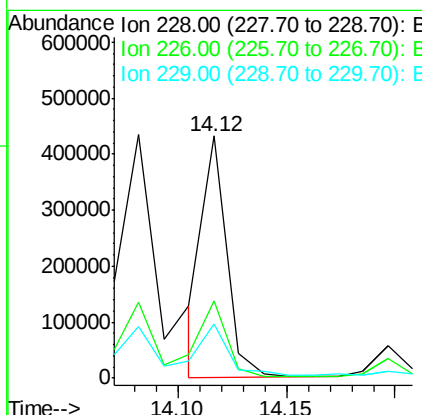
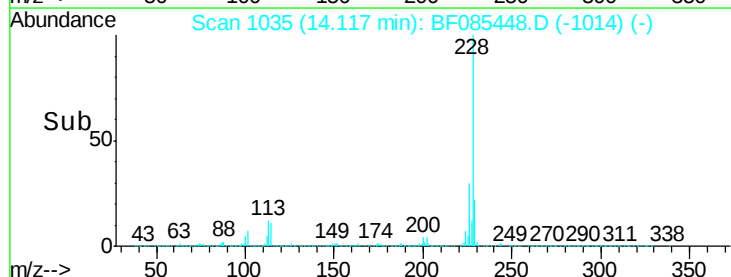
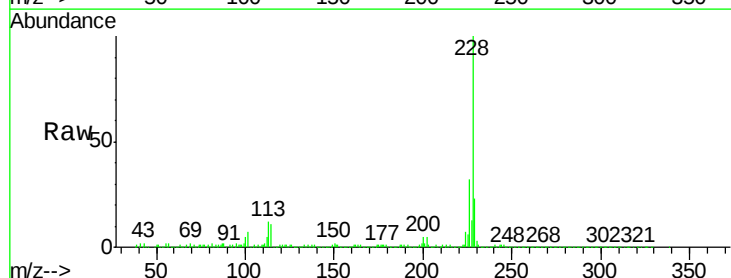
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-18-COMP(0.5-1.5)

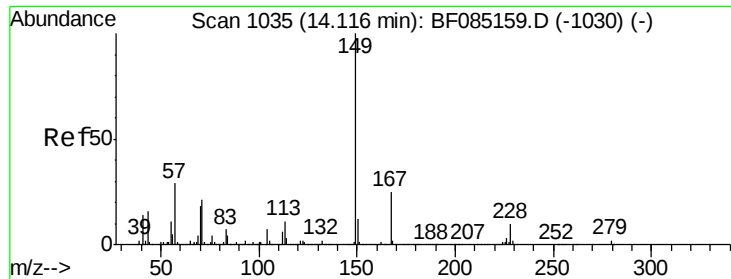
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	22.8	34.2
229	21.0	16.6	24.8



#82
Chrysene
Concen: 19.42 ng
RT: 14.12 min Scan# 1035
Delta R.T. -0.06 min
Lab File: BF085448.D
Acq: 15 Mar 2016 1:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.2	37.8
229	22.6	16.0	24.0

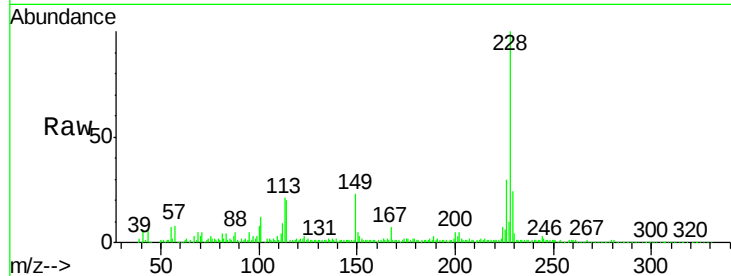




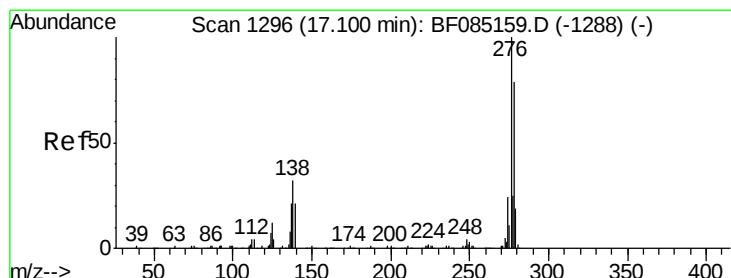
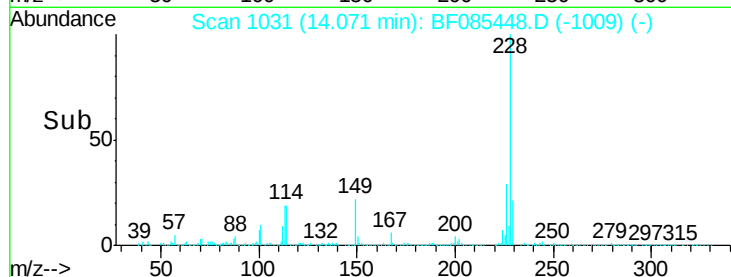
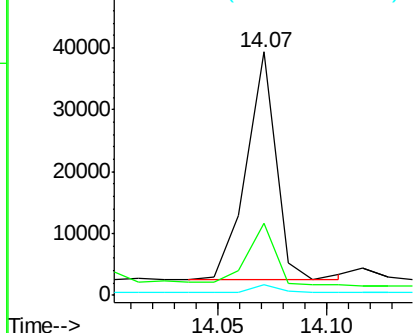
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.55 ng
 RT: 14.07 min Scan# 1031
 Delta R.T. -0.05 min
 Lab File: BF085448.D
 Acq: 15 Mar 2016 1:36

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-18-COMP(0.5-1.5)

Tgt Ion:149 Resp: 35284
 Ion Ratio Lower Upper
 149 100
 167 29.5 20.3 30.5
 279 4.1 1.9 2.9#

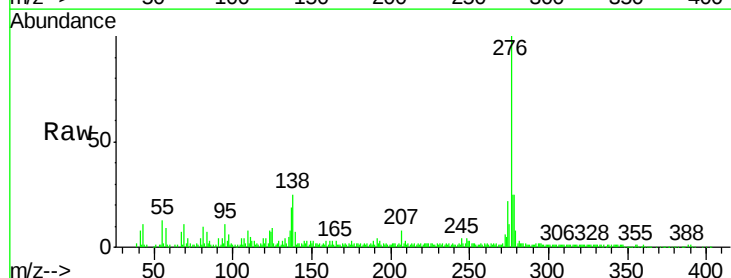


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

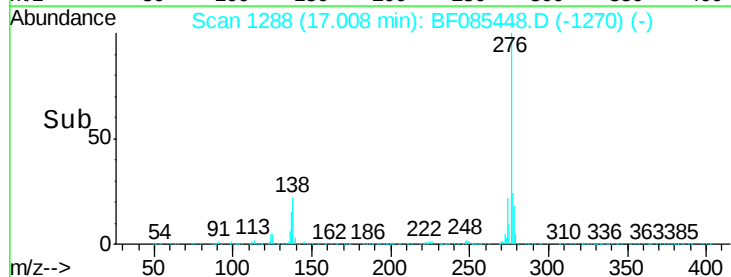
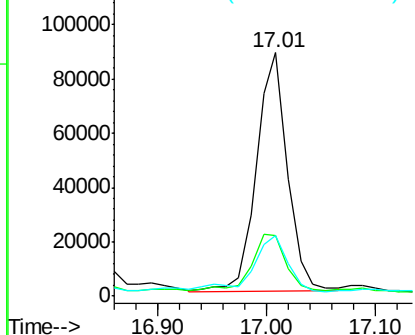


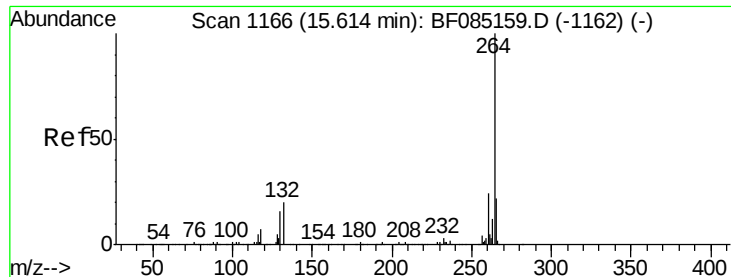
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 13.17 ng
 RT: 17.01 min Scan# 1288
 Delta R.T. -0.09 min
 Lab File: BF085448.D
 Acq: 15 Mar 2016 1:36

Tgt Ion:276 Resp: 174774
 Ion Ratio Lower Upper
 276 100
 138 25.9 26.4 39.6#
 277 26.2 20.2 30.2



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

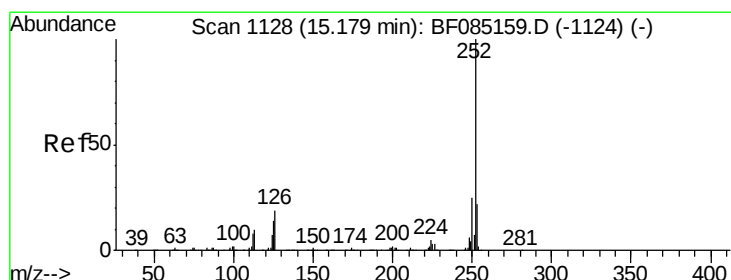
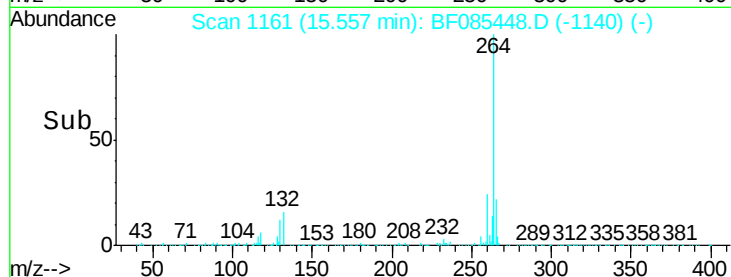
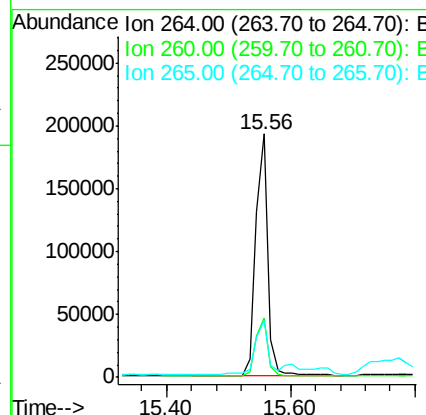
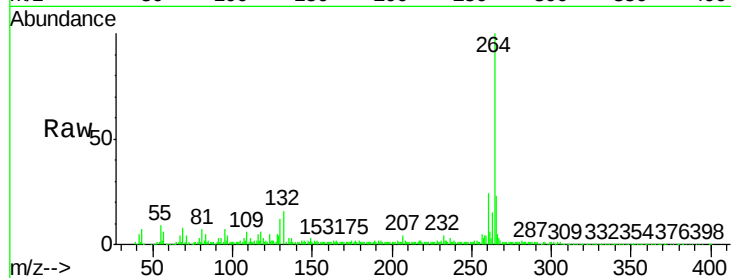




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 1161
Delta R.T. -0.06 min
Lab File: BF085448.D
Acq: 15 Mar 2016 1:36

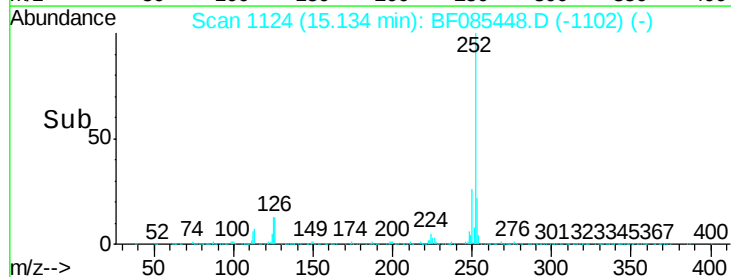
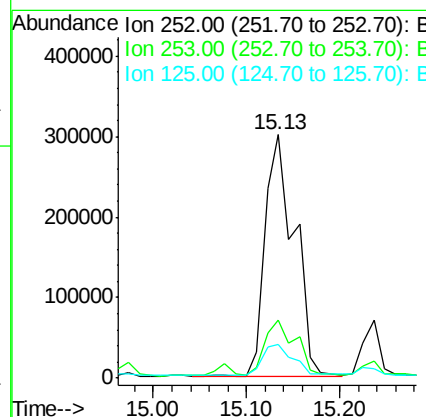
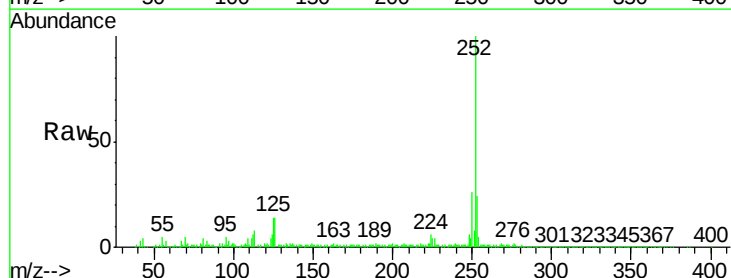
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-18-COMP(0.5-1.5)

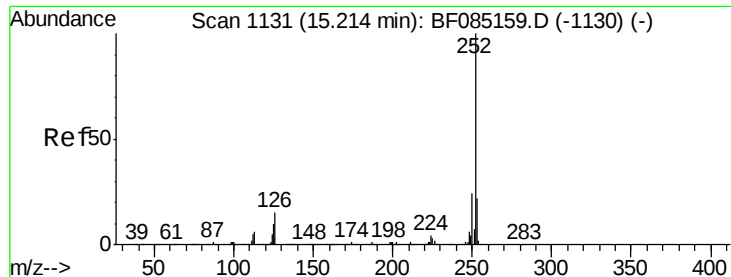
Tgt Ion:264 Resp: 261657
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 23.2 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 37.69 ng
RT: 15.13 min Scan# 1124
Delta R.T. -0.05 min
Lab File: BF085448.D
Acq: 15 Mar 2016 1:36

Tgt Ion:252 Resp: 657273
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 14.1 11.3 16.9

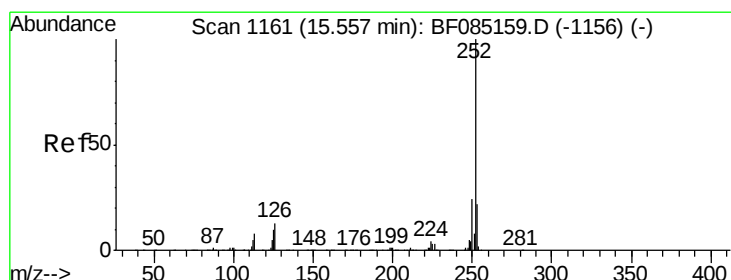
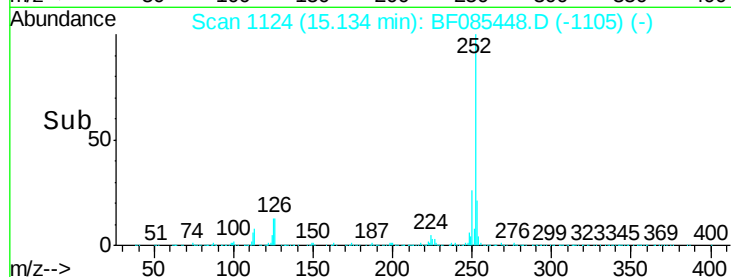
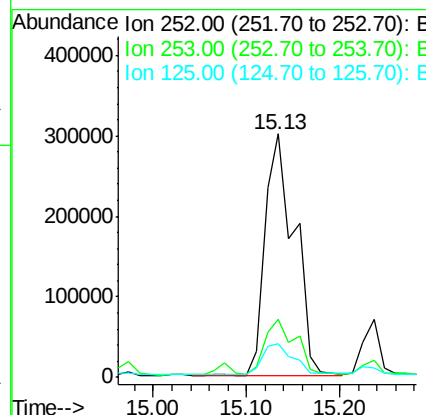
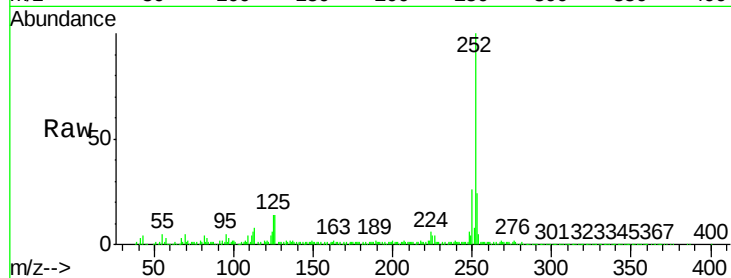




#88
Benzo(k)fluoranthene
Concen: 46.72 ng
RT: 15.13 min Scan# 1124
Delta R.T. -0.08 min
Lab File: BF085448.D
Acq: 15 Mar 2016 1:36

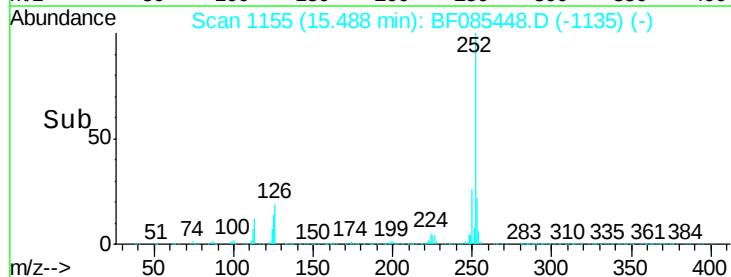
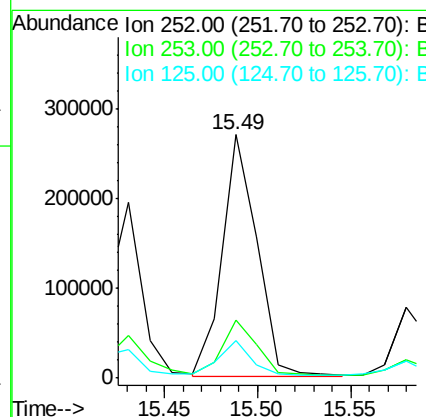
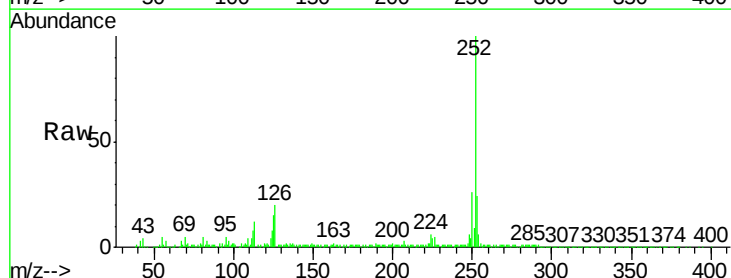
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-18-COMP(0.5-1.5)

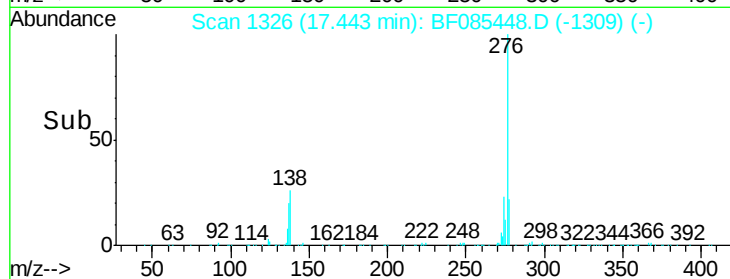
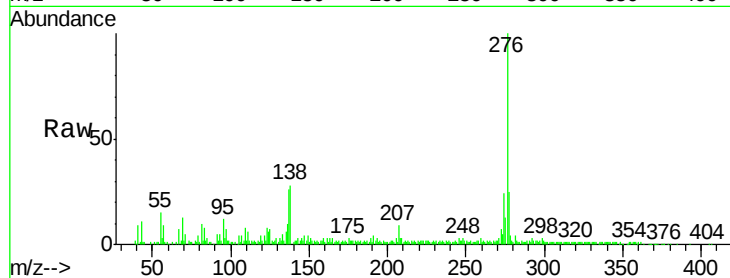
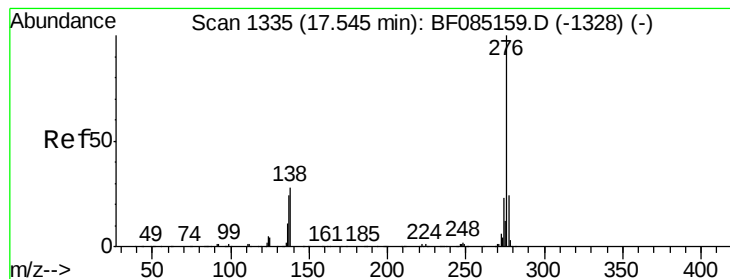
Tgt Ion:252 Resp: 657273
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 14.1 10.4 15.6



#89
Benzo(a)pyrene
Concen: 23.95 ng
RT: 15.49 min Scan# 1155
Delta R.T. -0.07 min
Lab File: BF085448.D
Acq: 15 Mar 2016 1:36

Tgt Ion:252 Resp: 346206
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.0
125 15.3 8.2 12.4#





#91

Benzo(g,h,i)perylene

Concen: 13.04 ng

RT: 17.44 min Scan# 1326

Delta R.T. -0.10 min

Lab File: BF085448.D

Acq: 15 Mar 2016 1:36

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-18-COMP(0.5-1.5)

Tgt Ion: 276 Resp: 161733

Ion Ratio Lower Upper

276 100

277 25.1 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

