

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031116\
 Data File : BF085404.D
 Acq On : 12 Mar 2016 7:34
 Operator : UM/SJ
 Sample : H1730-04 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

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

Quant Time: Mar 14 00:44:18 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	6.94	152	157492	20.00	ng	-0.05
21) Naphthalene-d8	8.22	136	596808	20.00	ng	-0.05
38) Acenaphthene-d10	9.98	164	255517	20.00	ng	-0.05
63) Phenanthrene-d10	11.46	188	390697	20.00	ng	-0.05
75) Chrysene-d12	14.11	240	299341	20.00	ng	-0.05
86) Perylene-d12	15.57	264	241663	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	327384	34.87	ng	-0.06
7) Phenol-d6	6.55	99	391589	31.83	ng	-0.06
23) Nitrobenzene-d5	7.50	82	238840	21.42	ng	-0.05
41) 2,4,6-Tribromophenol	10.77	330	62984	28.81	ng	-0.05
44) 2-Fluorobiphenyl	9.29	172	384839	22.91	ng	-0.06
78) Terphenyl-d14	13.05	244	222985	17.29	ng	-0.03

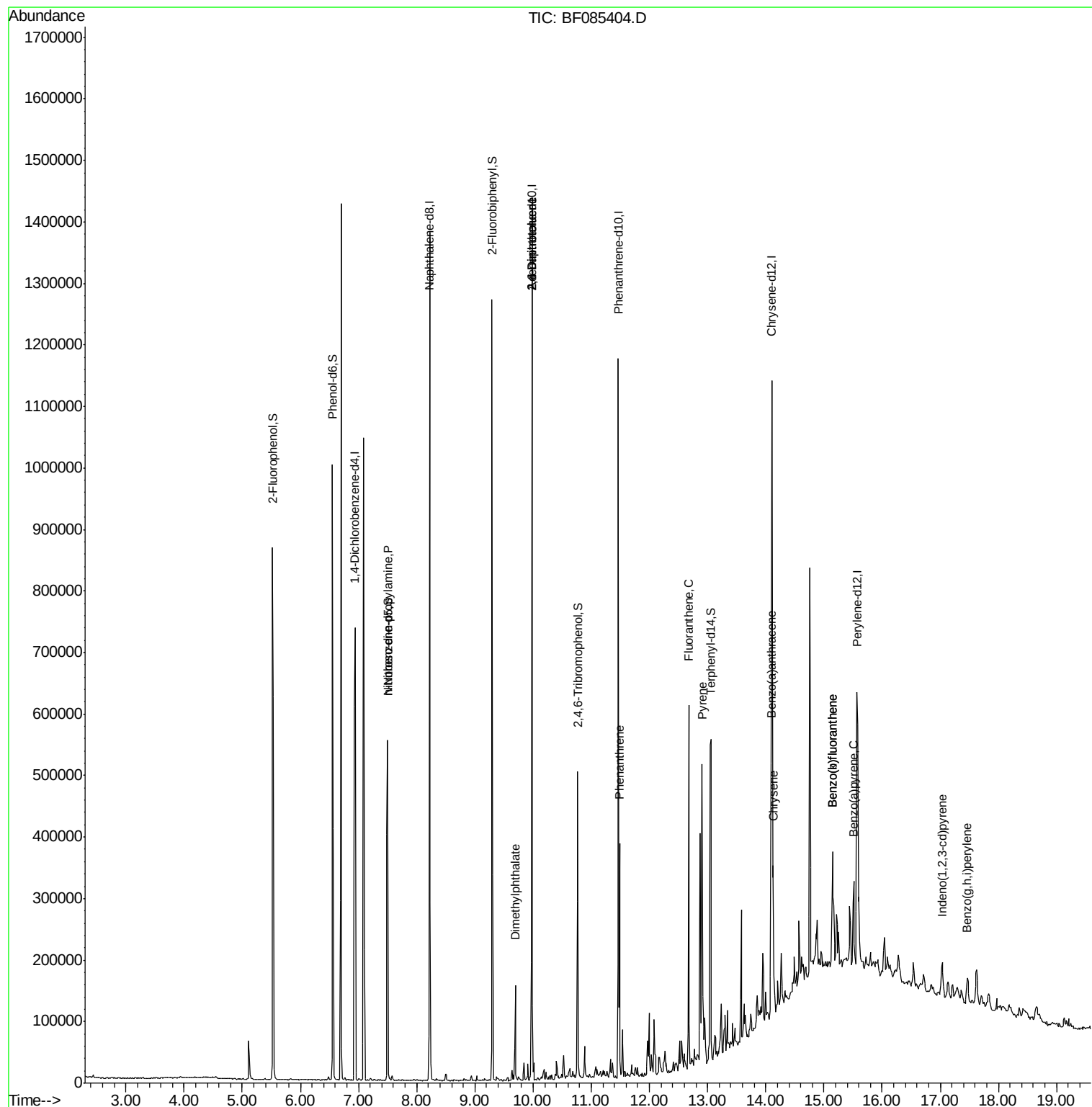
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.70	77	8317	Below Cal		84
19) n-Nitroso-di-n-propylamine	7.50	70	29629	3.70 ng	#	76
49) Dimethylphthalate	9.69	163	65034	3.32 ng		99
50) 2,6-Dinitrotoluene	9.98	165	33286	7.93 ng	#	26
56) 2,4-Dinitrotoluene	9.98	165	33289	6.20 ng	#	22
70) Phenanthrene	11.49	178	130658	6.38 ng		97
74) Fluoranthene	12.68	202	209475	10.19 ng		99
77) Pyrene	12.91	202	184786	8.20 ng		98
80) Benzo(a)anthracene	14.09	228	115559	6.45 ng		98
82) Chrysene	14.13	228	76217	4.60 ng		96
85) Indeno(1,2,3-cd)pyrene	17.03	276	35501	2.75 ng		91
87) Benzo(b)fluoranthene	15.15	252	136081	8.45 ng		99
88) Benzo(k)fluoranthene	15.15	252	136081	10.47 ng		98
89) Benzo(a)pyrene	15.51	252	72368	5.42 ng		97
91) Benzo(g,h,i)perylene	17.47	276	31908	2.79 ng		94

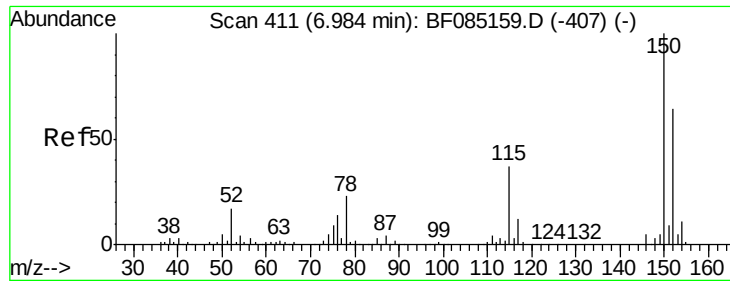
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.94 min Scan# 407

Delta R.T. -0.05 min

Lab File: BF085404.D

Acq: 12 Mar 2016 7:34

Instrument :

BNA_F

ClientSampleId :

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

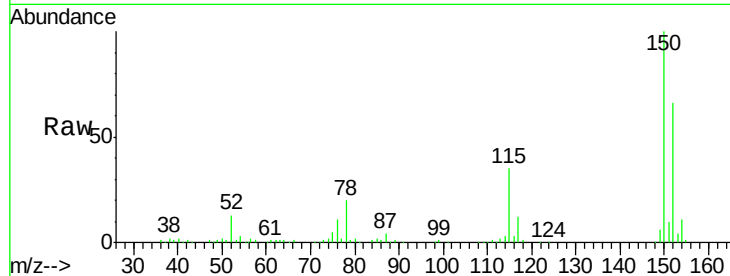
Tgt Ion:152 Resp: 157492

Ion Ratio Lower Upper

152 100

150 152.1 124.6 186.8

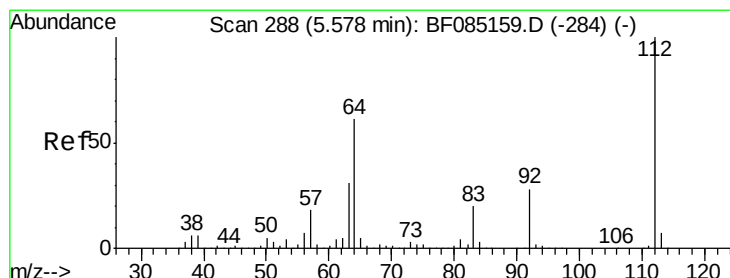
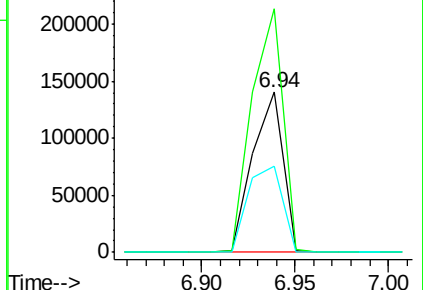
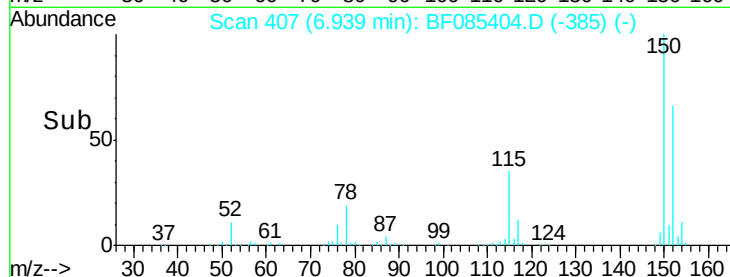
115 53.7 46.6 70.0



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: 34.87 ng

RT: 5.52 min Scan# 283

Delta R.T. -0.06 min

Lab File: BF085404.D

Acq: 12 Mar 2016 7:34

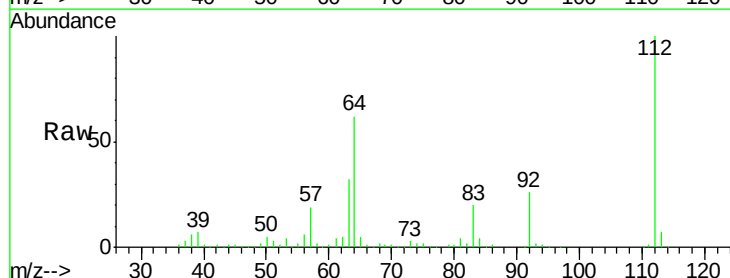
Tgt Ion:112 Resp: 327384

Ion Ratio Lower Upper

112 100

64 62.1 49.0 73.4

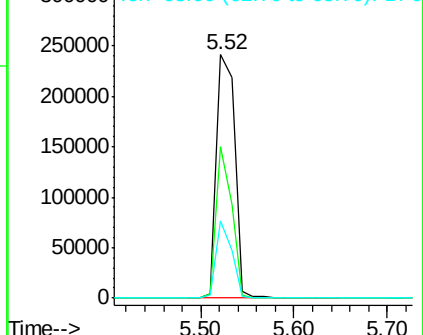
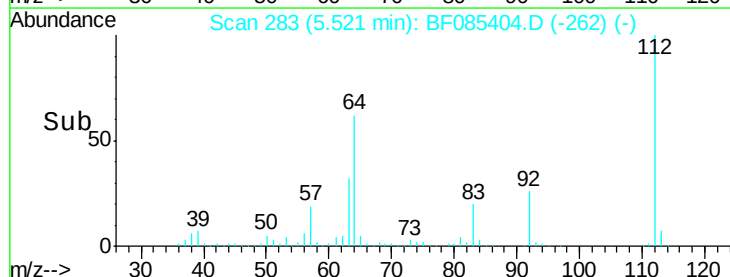
63 32.0 24.8 37.2

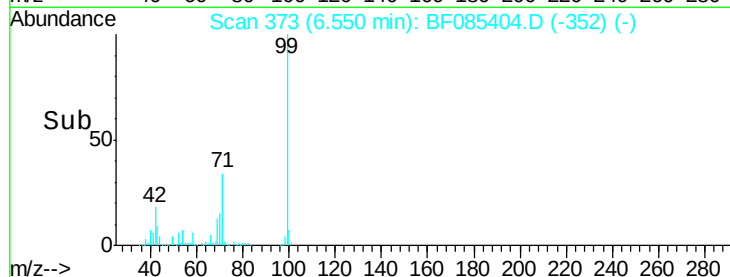
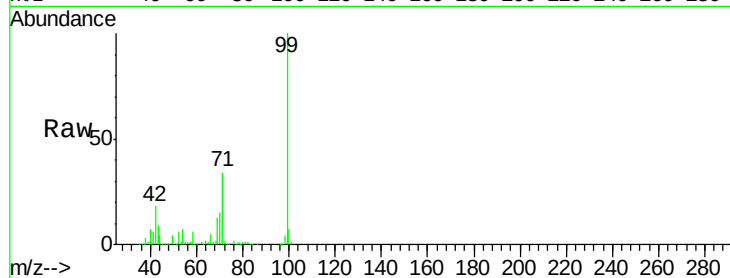
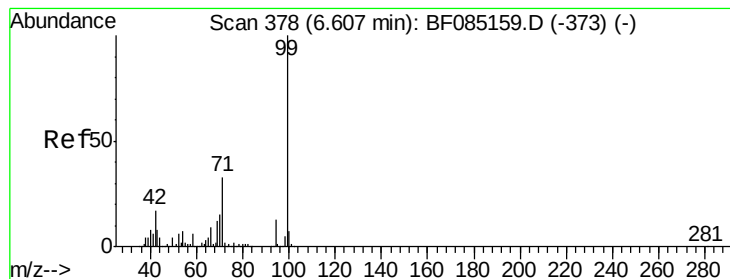


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 31.83 ng

RT: 6.55 min Scan# 373

Delta R.T. -0.06 min

Lab File: BF085404.D

Acq: 12 Mar 2016 7:34

Instrument :

BNA_F

ClientSampleId :

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

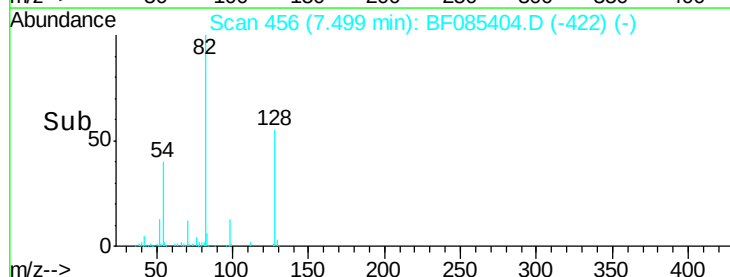
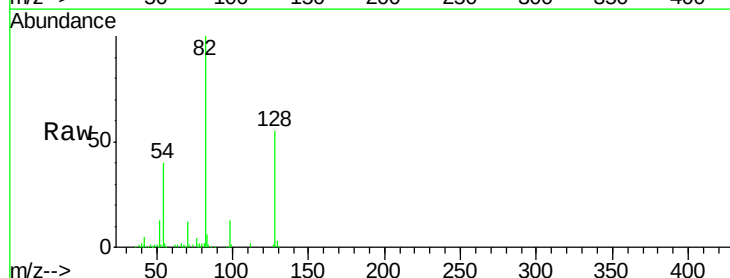
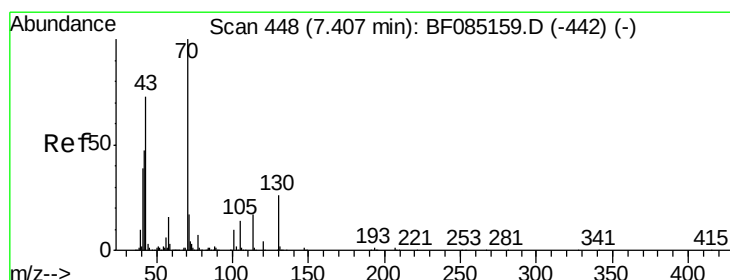
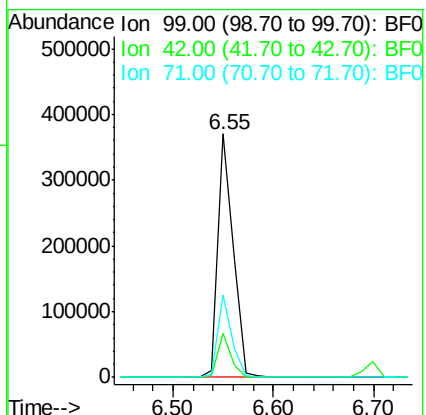
Tgt Ion: 99 Resp: 391589

Ion Ratio Lower Upper

99 100

42 17.8 13.6 20.4

71 33.7 26.7 40.1



#19

n-Nitroso-di-n-propylamine

Concen: 3.70 ng

RT: 7.50 min Scan# 456

Delta R.T. 0.09 min

Lab File: BF085404.D

Acq: 12 Mar 2016 7:34

Tgt Ion: 70 Resp: 29629

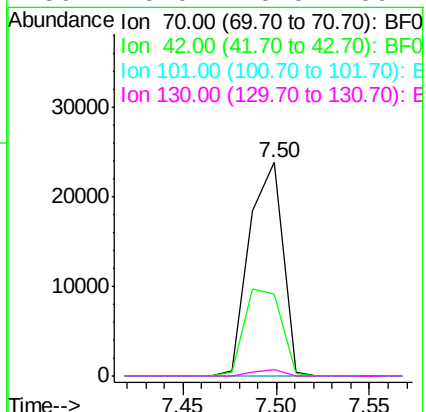
Ion Ratio Lower Upper

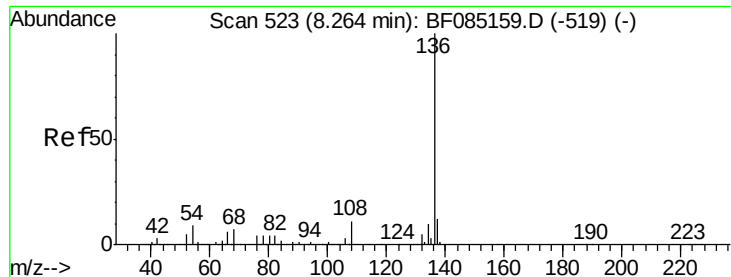
70 100

42 38.7 37.7 56.5

101 0.0 8.2 12.4#

130 3.0 20.5 30.7#

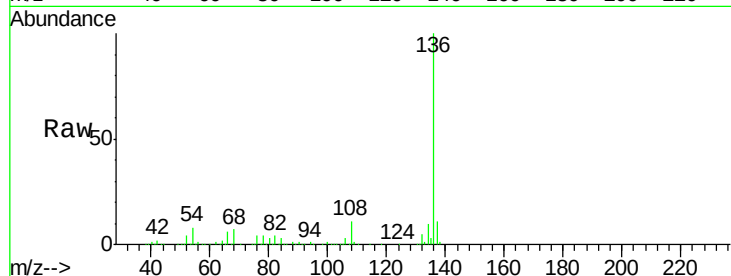




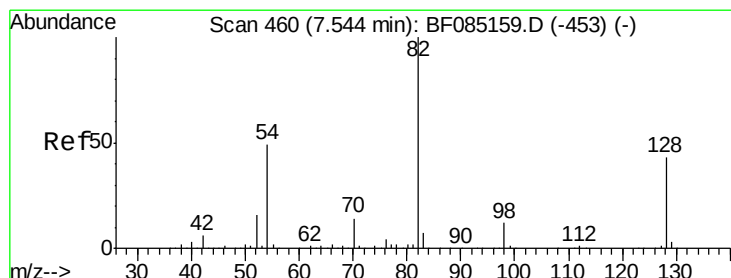
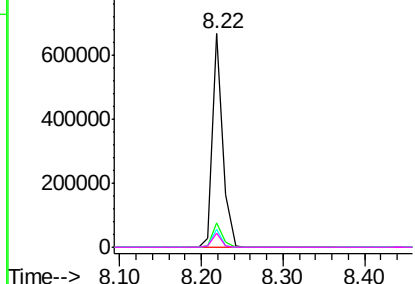
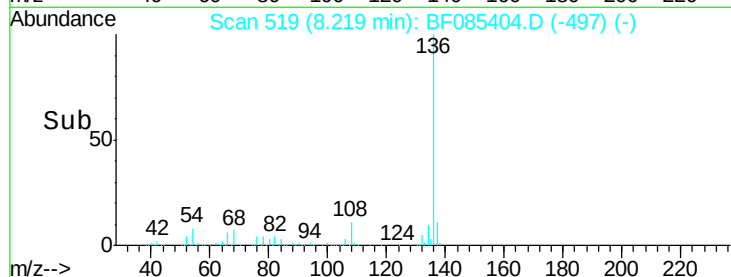
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.22 min Scan# 519
Delta R.T. -0.05 min
Lab File: BF085404.D
Acq: 12 Mar 2016 7:34

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

Tgt Ion:	136	Resp:	596808
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.3	13.9
54	8.3	7.4	11.2
68	6.8	6.0	9.0

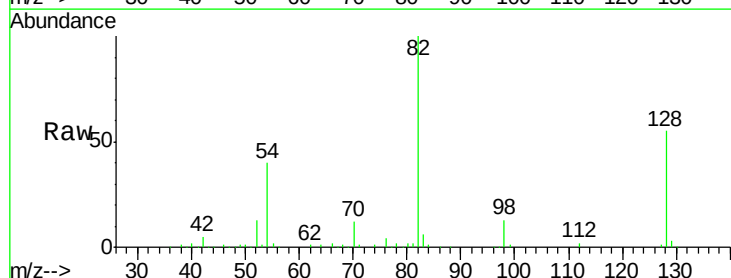


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

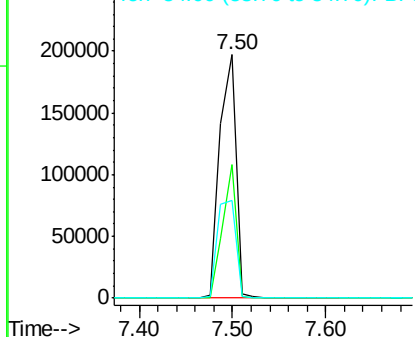
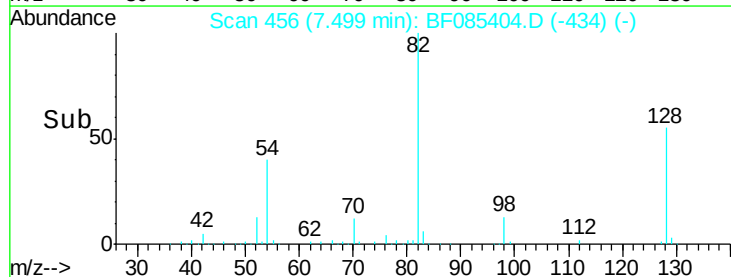


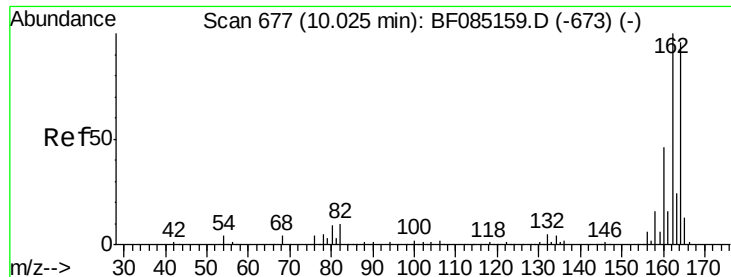
#23
Nitrobenzene-d5
Concen: 21.42 ng
RT: 7.50 min Scan# 456
Delta R.T. -0.05 min
Lab File: BF085404.D
Acq: 12 Mar 2016 7:34

Tgt Ion:	82	Resp:	238840
Ion	Ratio	Lower	Upper
82	100		
128	54.6	34.5	51.7#
54	40.4	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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.98 min Scan# 673

Delta R.T. -0.05 min

Lab File: BF085404.D

Acq: 12 Mar 2016 7:34

Instrument :

BNA_F

ClientSampleId :

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

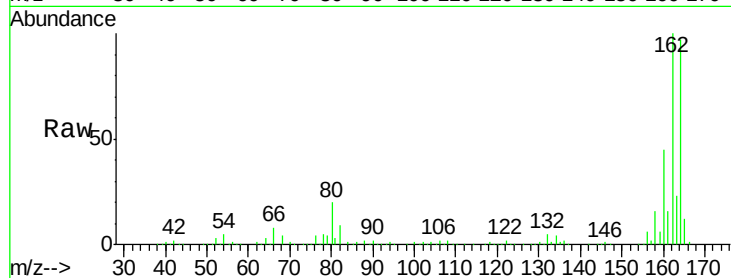
Tgt Ion:164 Resp: 255517

Ion Ratio Lower Upper

164 100

162 103.0 83.3 124.9

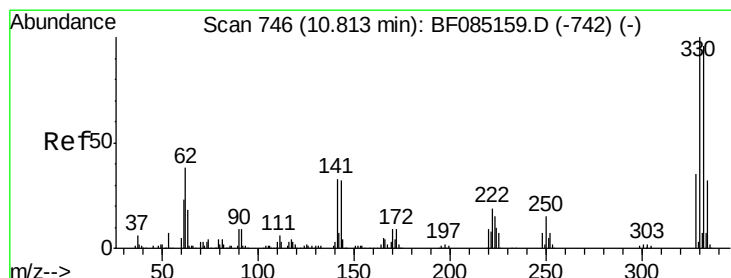
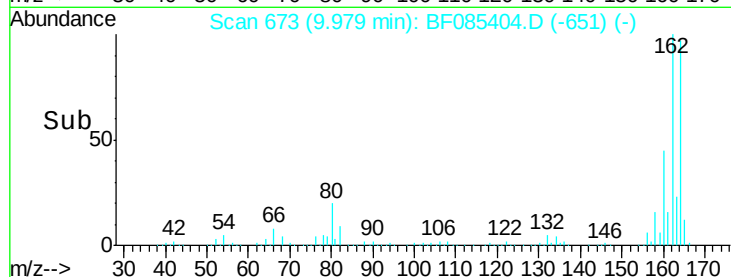
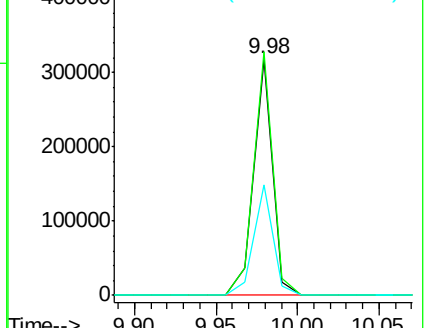
160 46.9 37.9 56.9



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: 28.81 ng

RT: 10.77 min Scan# 742

Delta R.T. -0.05 min

Lab File: BF085404.D

Acq: 12 Mar 2016 7:34

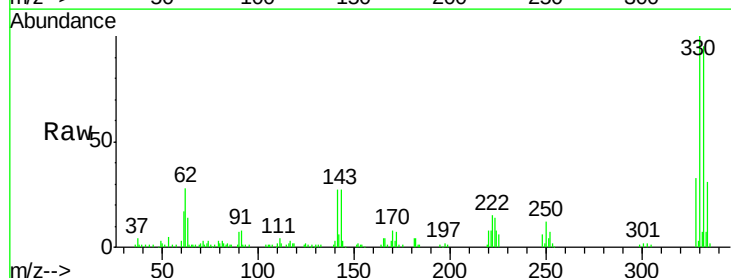
Tgt Ion:330 Resp: 62984

Ion Ratio Lower Upper

330 100

332 94.9 77.1 115.7

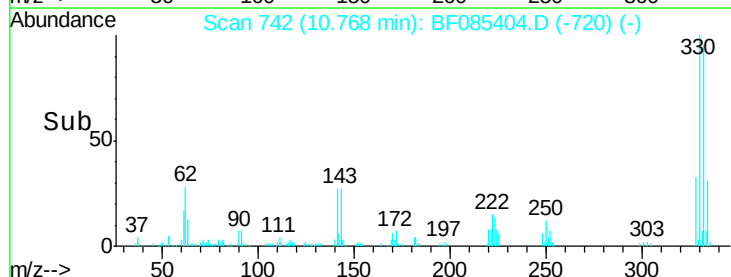
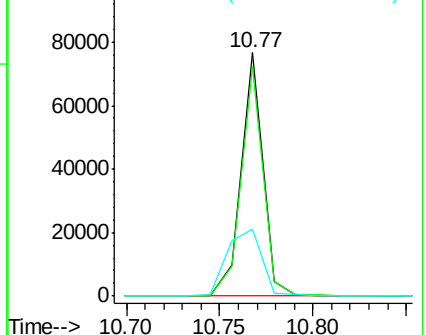
141 43.6 35.0 52.6

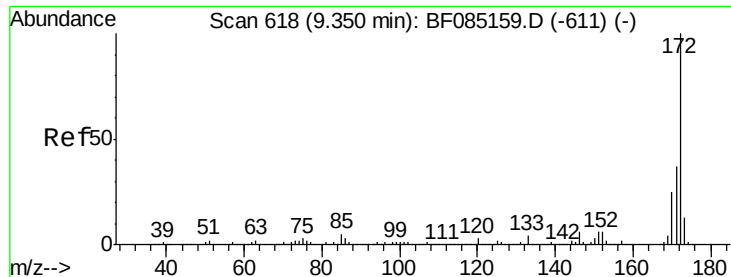


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

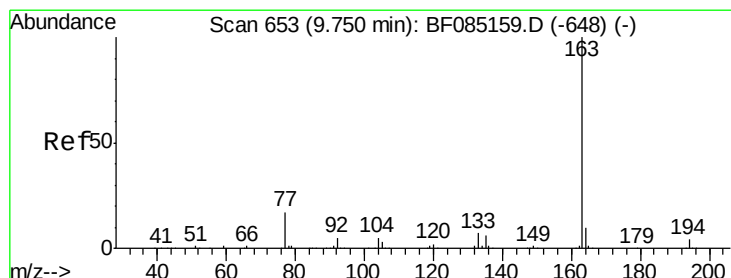
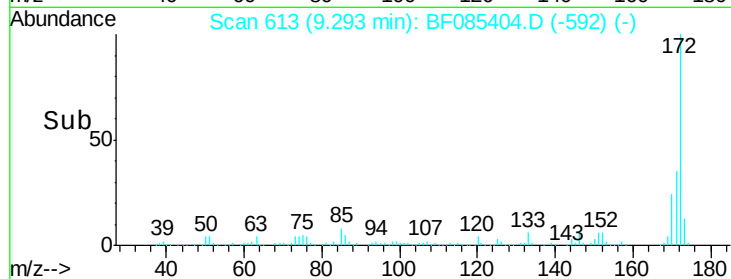
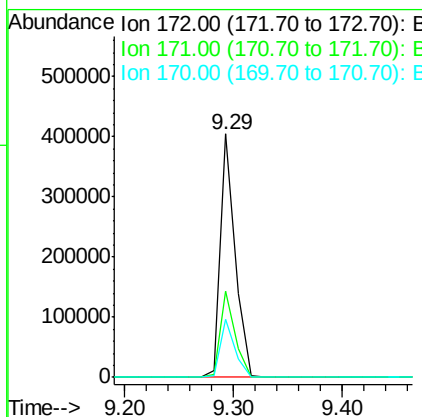
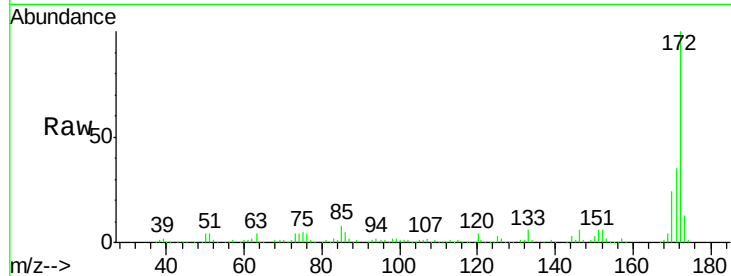




#44
 2-Fluorobiphenyl
 Concen: 22.91 ng
 RT: 9.29 min Scan# 613
 Delta R.T. -0.06 min
 Lab File: BF085404.D
 Acq: 12 Mar 2016 7:34

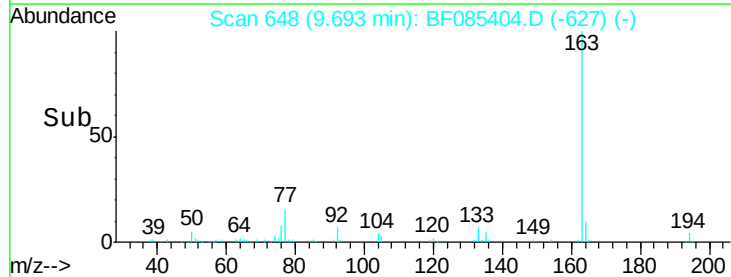
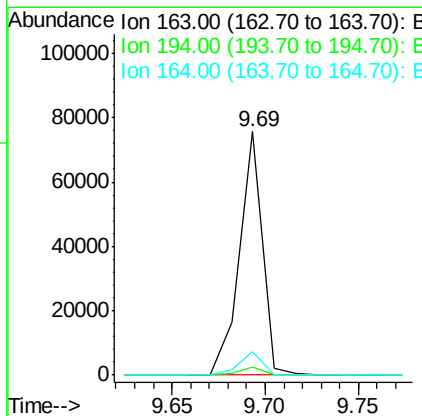
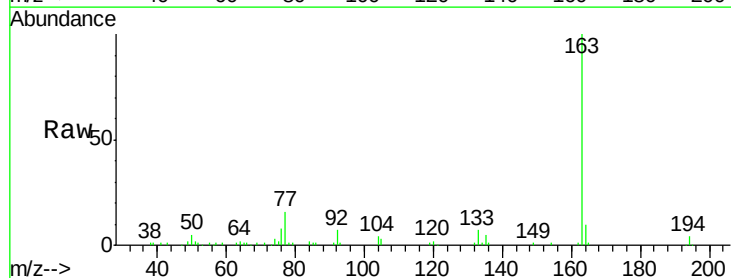
Instrument :
 BNA_F
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 W170TH-SB-18-COMP(0.5-1.5)

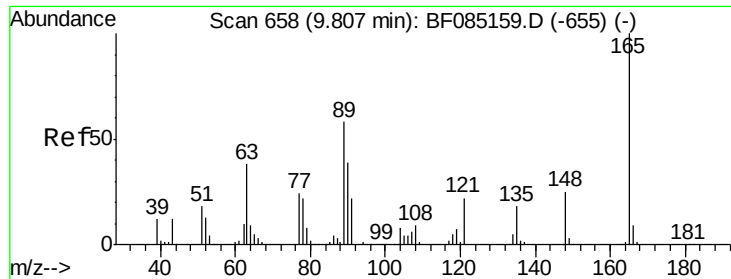
Tgt Ion:172 Resp: 384839
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.3 43.9
 170 23.8 20.0 30.0



#49
 Dimethylphthalate
 Concen: 3.32 ng
 RT: 9.69 min Scan# 648
 Delta R.T. -0.06 min
 Lab File: BF085404.D
 Acq: 12 Mar 2016 7:34

Tgt Ion:163 Resp: 65034
 Ion Ratio Lower Upper
 163 100
 194 3.5 3.1 4.7
 164 9.7 8.2 12.4

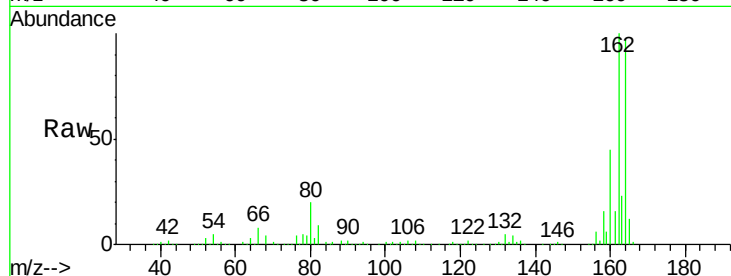




#50
 2,6-Dinitrotoluene
 Concen: 7.93 ng
 RT: 9.98 min Scan# 673
 Delta R.T. 0.17 min
 Lab File: BF085404.D
 Acq: 12 Mar 2016 7:34

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

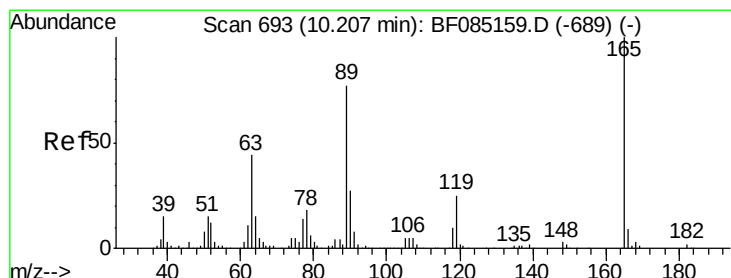
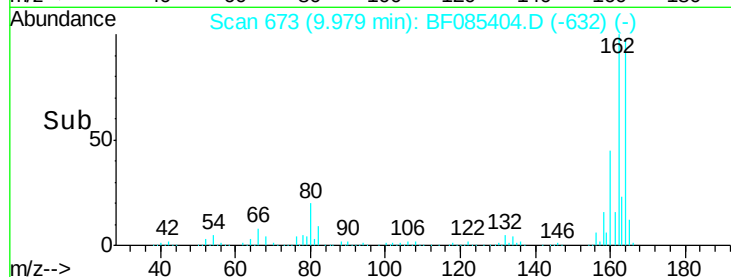
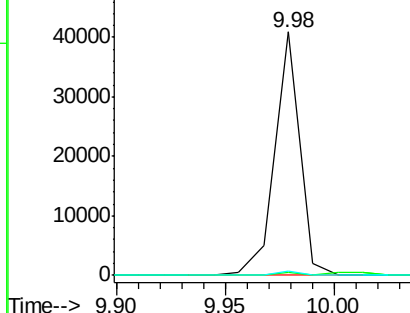
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	41.8	62.8#
89	1.5	46.7	70.1#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.20 ng
 RT: 9.98 min Scan# 673
 Delta R.T. -0.23 min
 Lab File: BF085404.D
 Acq: 12 Mar 2016 7:34

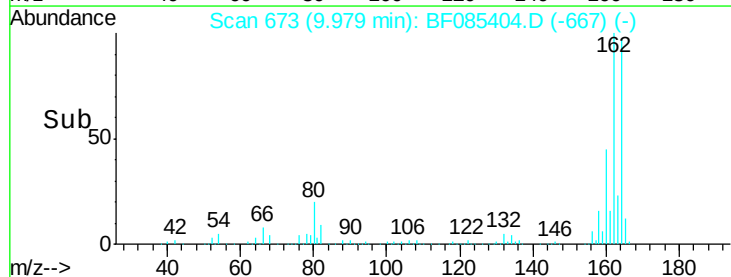
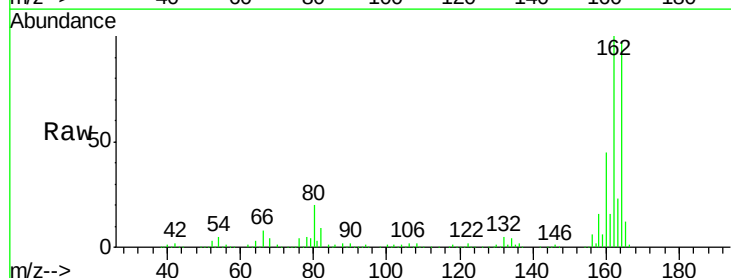
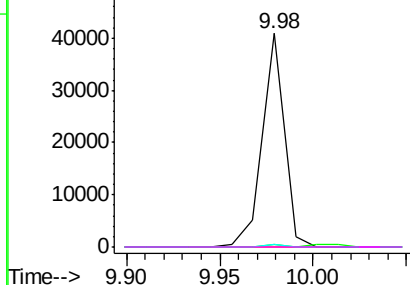
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	35.4	53.0#
89	1.5	61.9	92.9#
182	0.0	1.9	2.9#

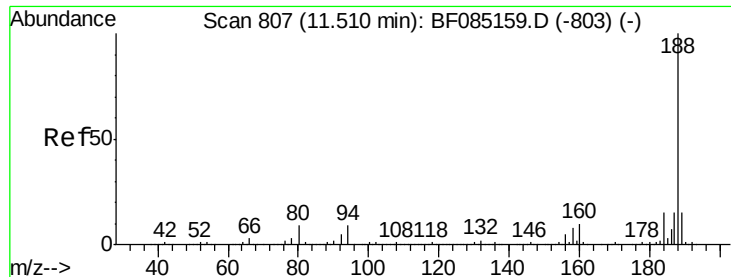
Abundance Ion 165.00 (164.70 to 165.70): E

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

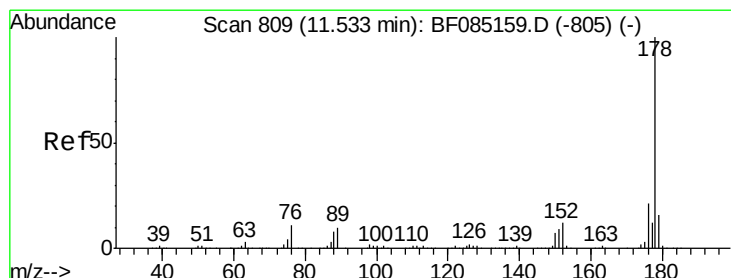
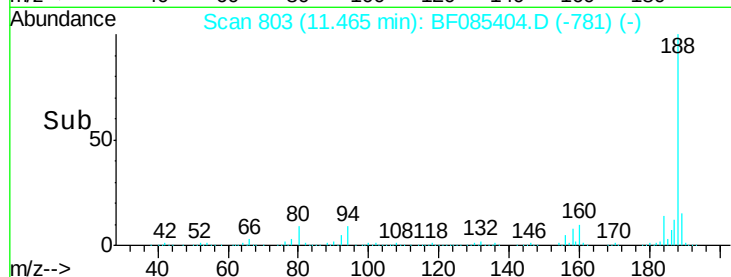
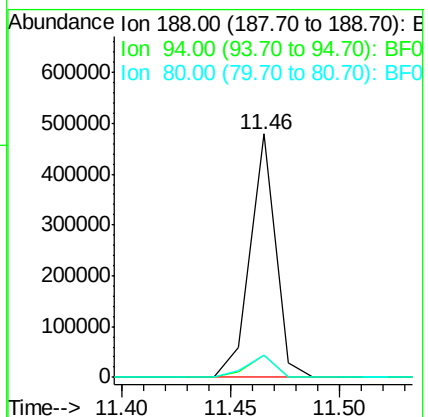
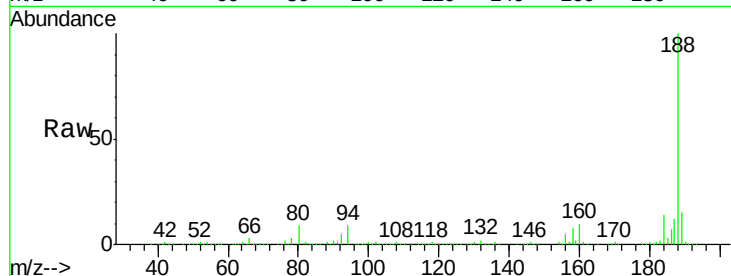




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 803
Delta R.T. -0.05 min
Lab File: BF085404.D
Acq: 12 Mar 2016 7:34

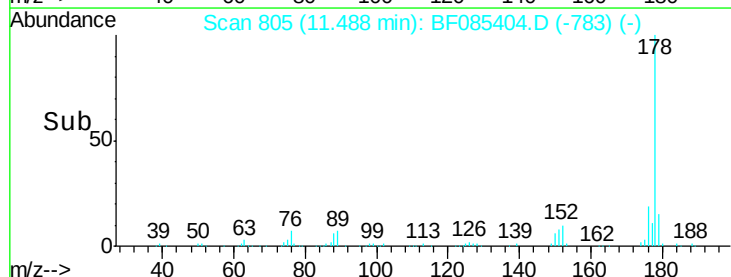
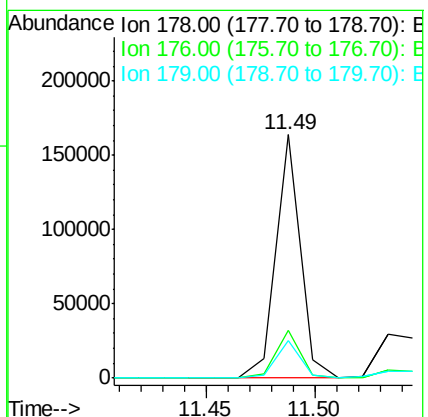
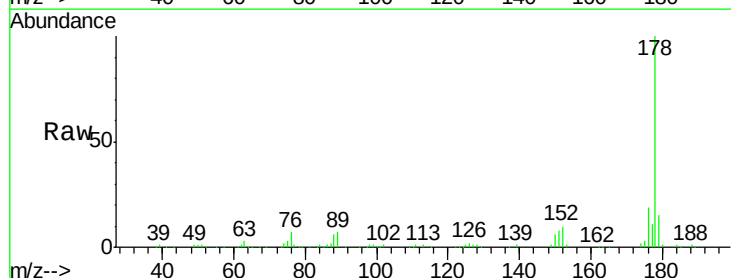
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-18-COMP(0.5-1.5)

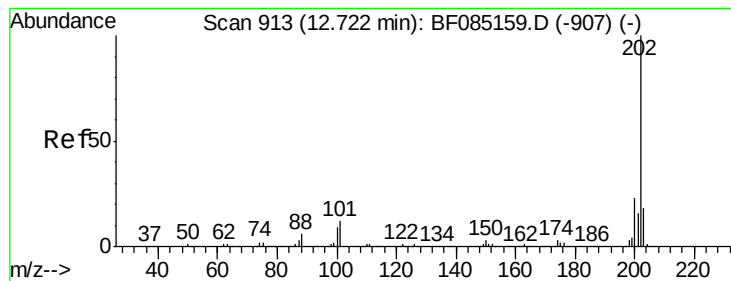
Tgt Ion:188 Resp: 390697
Ion Ratio Lower Upper
188 100
94 9.0 7.0 10.6
80 9.3 7.4 11.0



#70
Phenanthrene
Concen: 6.38 ng
RT: 11.49 min Scan# 805
Delta R.T. -0.05 min
Lab File: BF085404.D
Acq: 12 Mar 2016 7:34

Tgt Ion:178 Resp: 130658
Ion Ratio Lower Upper
178 100
176 19.4 16.8 25.2
179 15.2 13.1 19.7

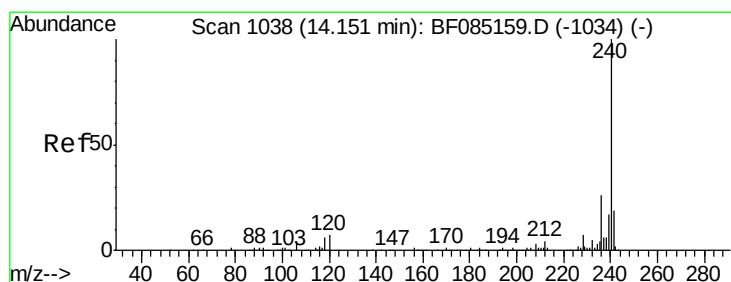
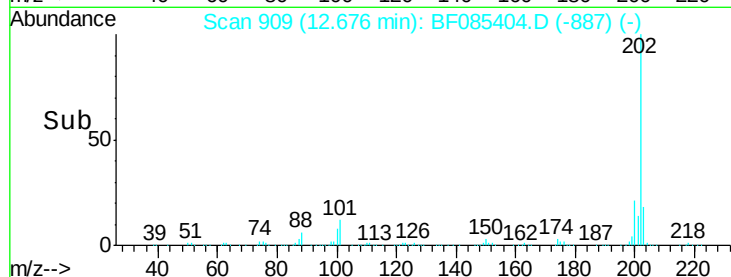
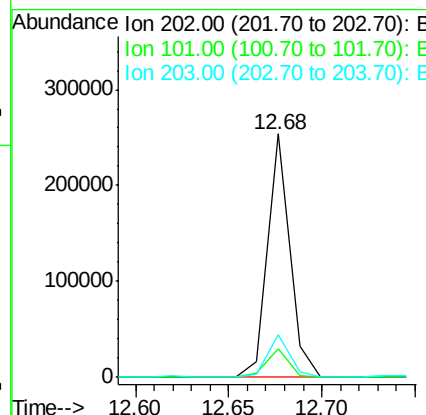
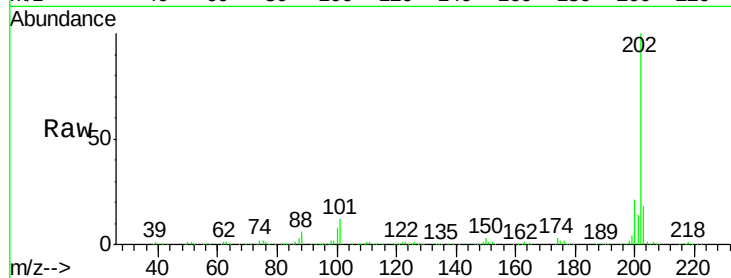




#74
Fluoranthene
Concen: 10.19 ng
RT: 12.68 min Scan# 909
Delta R.T. -0.05 min
Lab File: BF085404.D
Acq: 12 Mar 2016 7:34

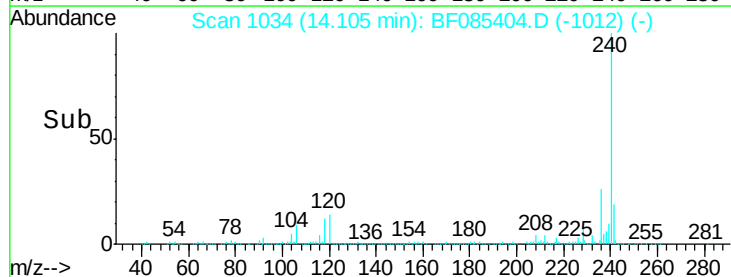
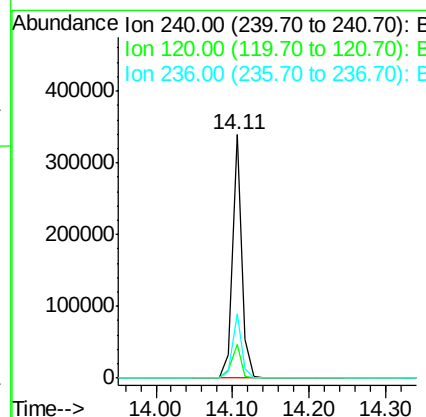
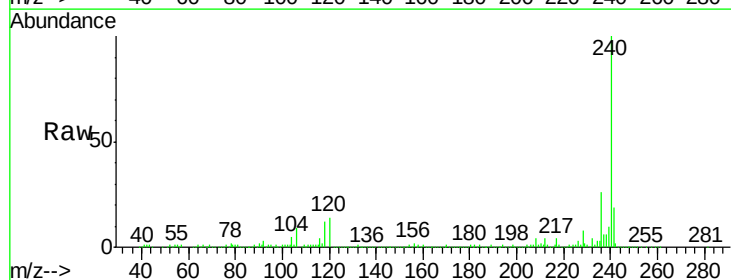
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-18-COMP(0.5-1.5)

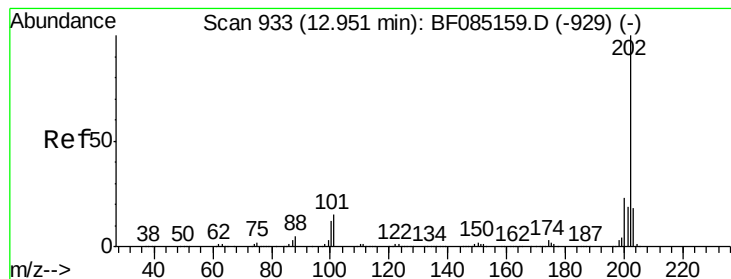
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	209475		
101	11.7		0.0	31.8
203	17.6		0.0	38.4



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.11 min Scan# 1034
Delta R.T. -0.05 min
Lab File: BF085404.D
Acq: 12 Mar 2016 7:34

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	299341		
120	14.0		5.3	7.9#
236	26.5		20.7	31.1





#77

Pyrene

Concen: 8.20 ng

RT: 12.91 min Scan# 929

Delta R.T. -0.05 min

Lab File: BF085404.D

Acq: 12 Mar 2016 7:34

Instrument :

BNA_F

ClientSampleId :

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

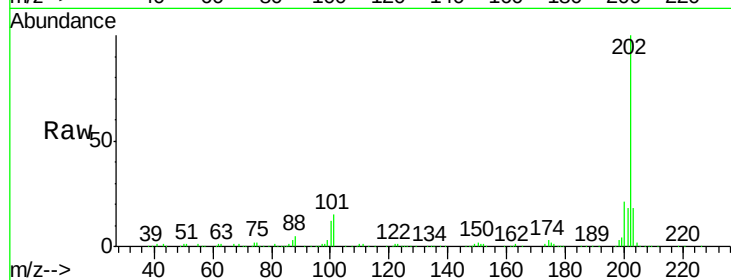
Tgt Ion: 202 Resp: 184786

Ion Ratio Lower Upper

202 100

200 21.3 18.2 27.4

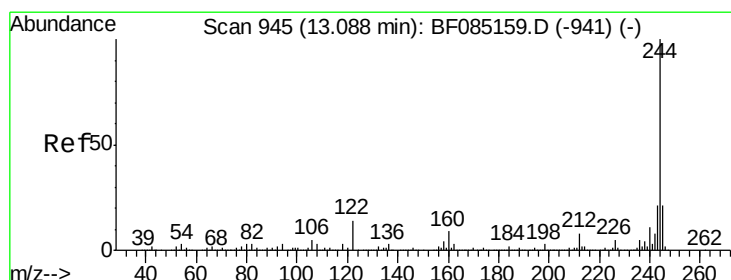
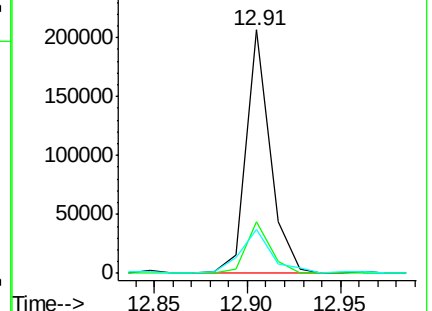
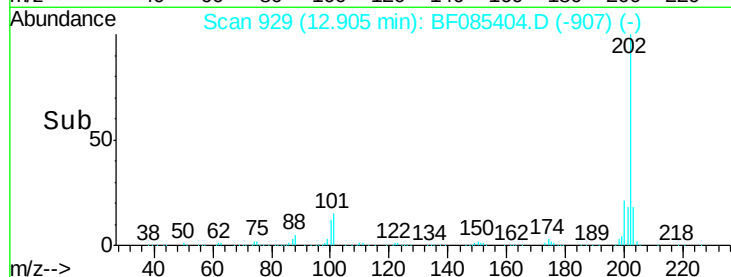
203 18.1 14.7 22.1



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: 17.29 ng

RT: 13.05 min Scan# 942

Delta R.T. -0.03 min

Lab File: BF085404.D

Acq: 12 Mar 2016 7:34

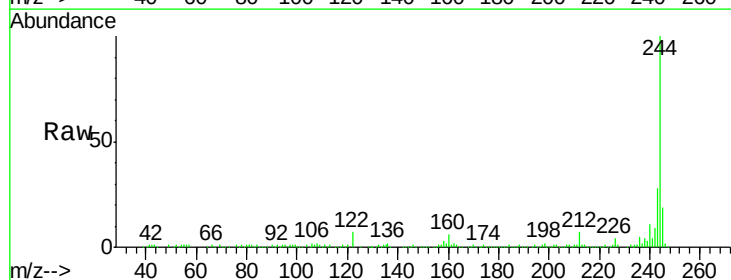
Tgt Ion: 244 Resp: 222985

Ion Ratio Lower Upper

244 100

212 6.8 6.4 9.6

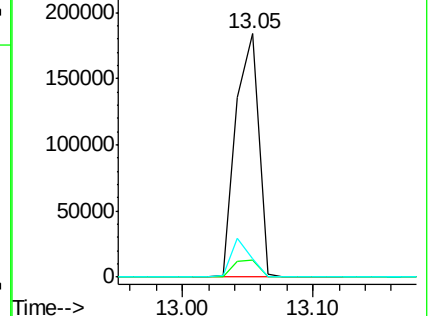
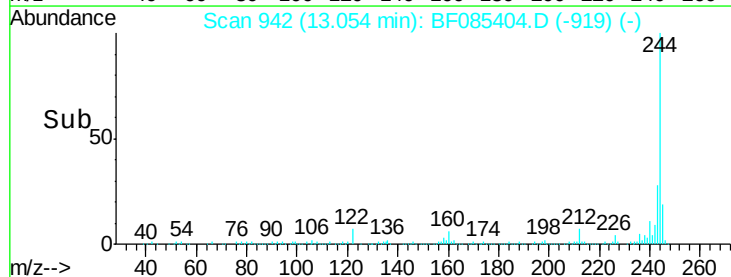
122 7.3 11.4 17.2#

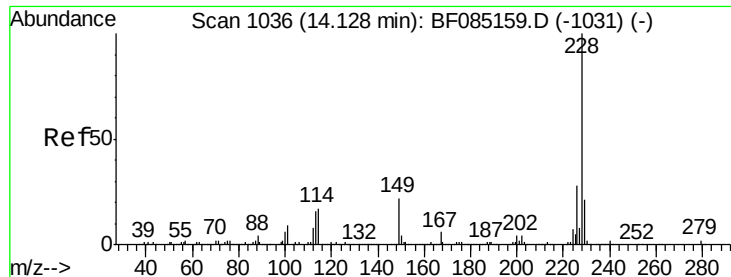


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.45 ng

RT: 14.09 min Scan# 1033

Delta R.T. -0.03 min

Lab File: BF085404.D

Acq: 12 Mar 2016 7:34

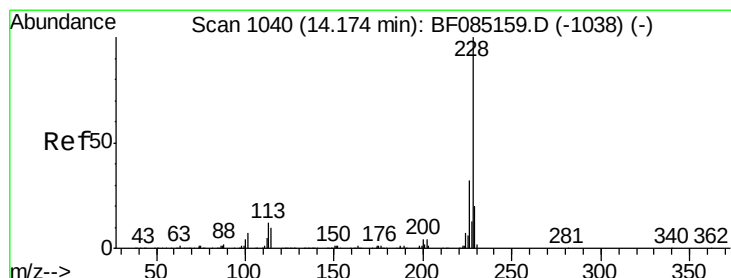
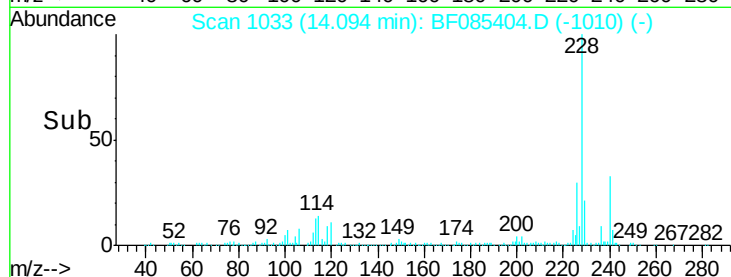
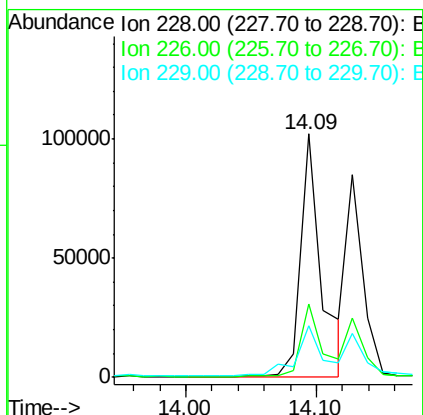
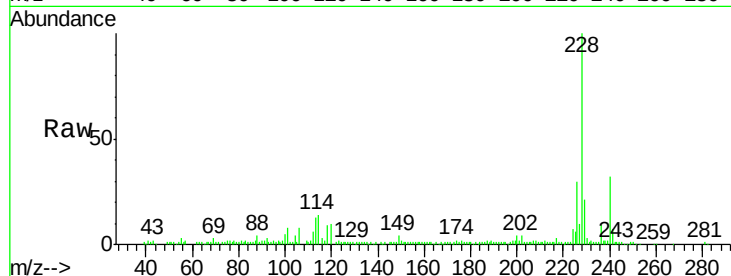
Instrument :

BNA_F

ClientSampleId :

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

Tgt Ion:	228	Resp:	115559
Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.8	34.2
229	21.1	16.6	24.8



#82

Chrysene

Concen: 4.60 ng

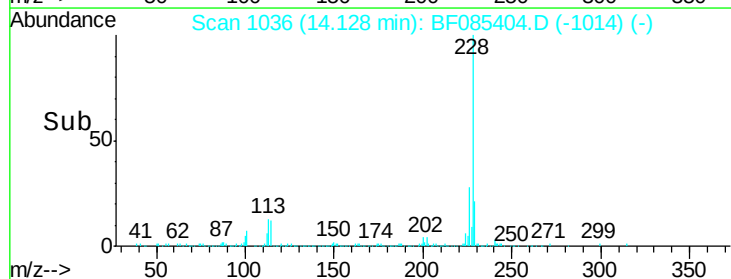
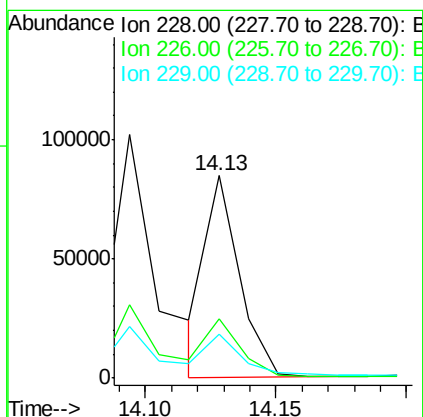
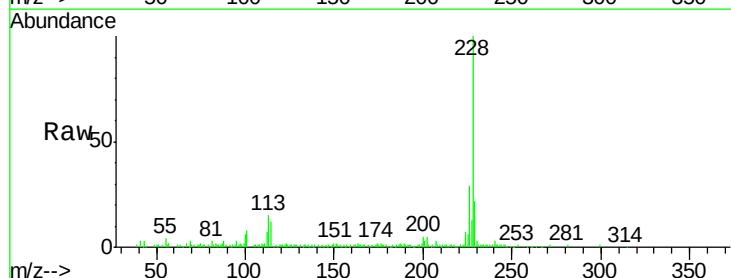
RT: 14.13 min Scan# 1036

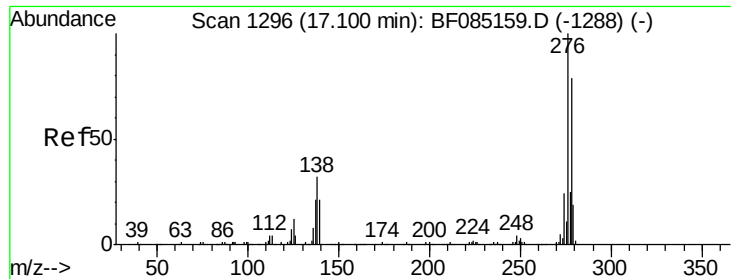
Delta R.T. -0.05 min

Lab File: BF085404.D

Acq: 12 Mar 2016 7:34

Tgt Ion:	228	Resp:	76217
Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.2	37.8
229	21.8	16.0	24.0

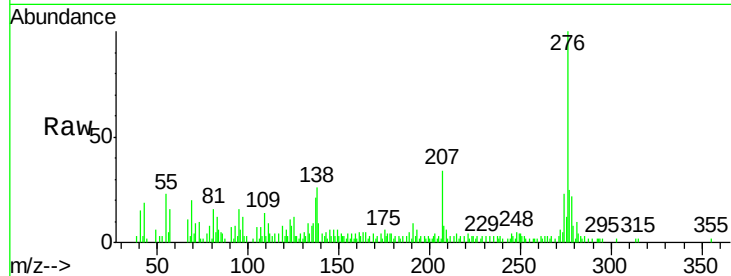




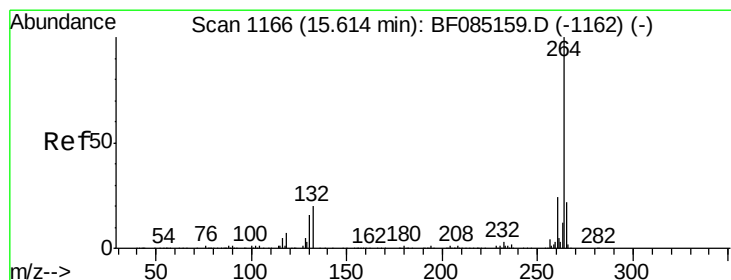
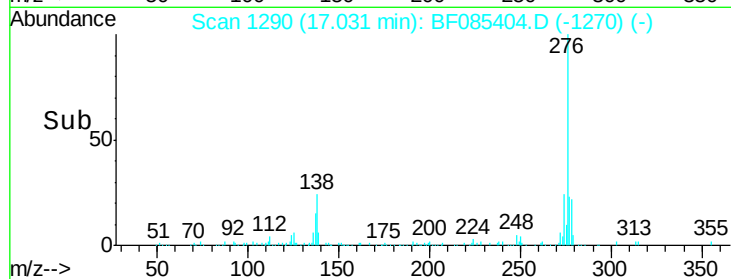
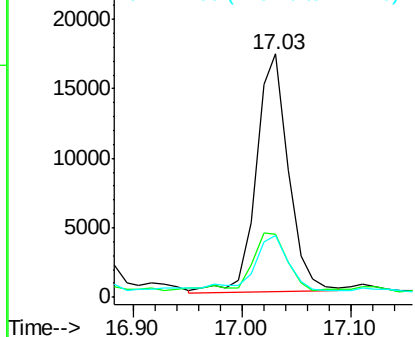
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.75 ng
 RT: 17.03 min Scan# 1290
 Delta R.T. -0.07 min
 Lab File: BF085404.D
 Acq: 12 Mar 2016 7:34

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

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.4	26.4	39.6
277	27.5	20.2	30.2

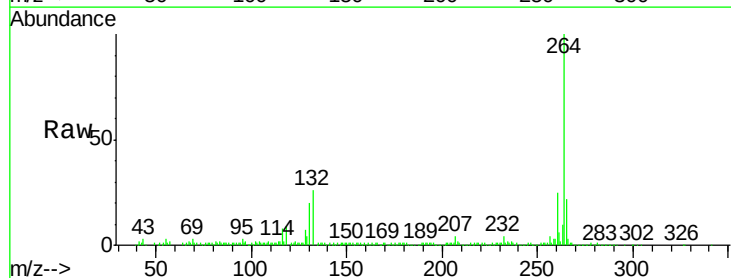


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

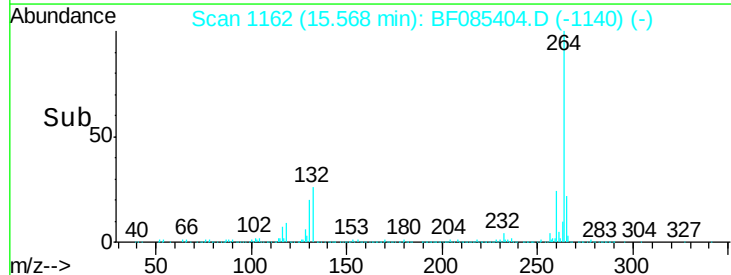
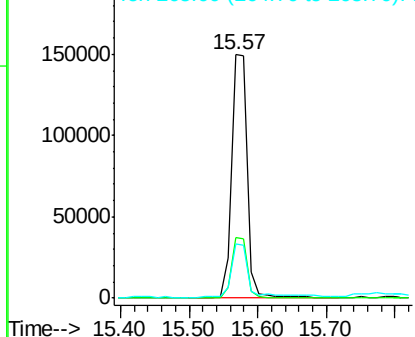


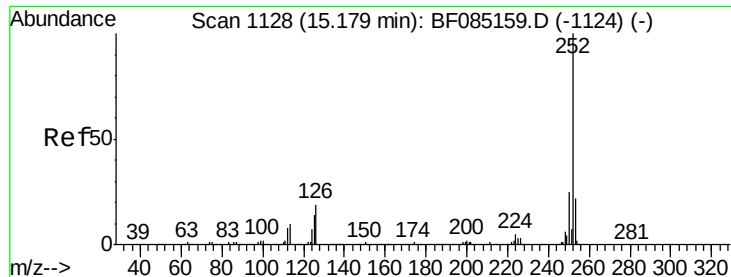
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.57 min Scan# 1162
 Delta R.T. -0.05 min
 Lab File: BF085404.D
 Acq: 12 Mar 2016 7:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.5	17.3	25.9



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

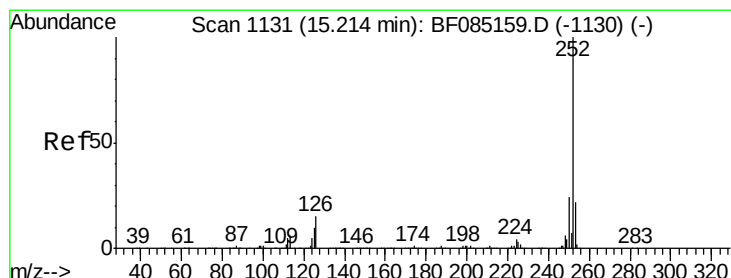
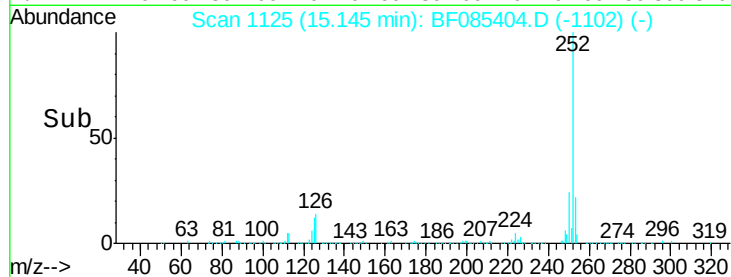
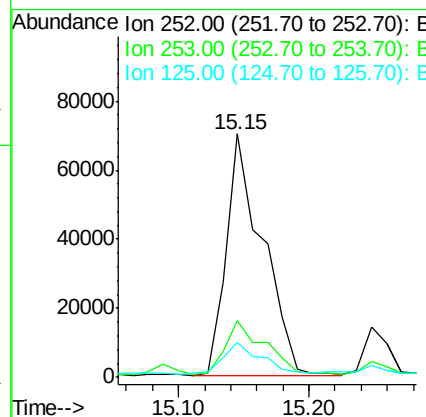
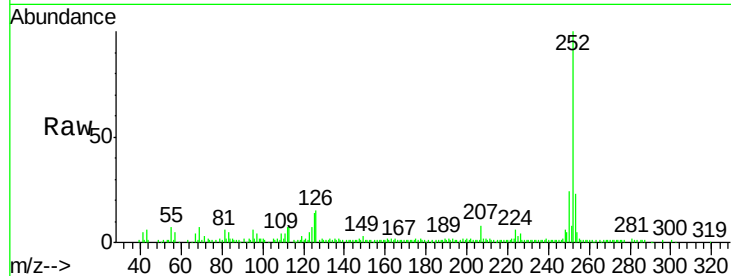




#87
Benzo(b)fluoranthene
Concen: 8.45 ng
RT: 15.15 min Scan# 1125
Delta R.T. -0.03 min
Lab File: BF085404.D
Acq: 12 Mar 2016 7:34

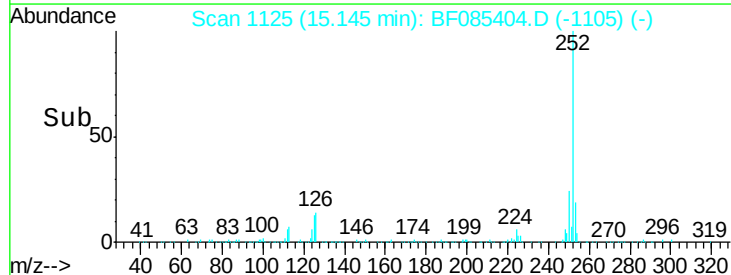
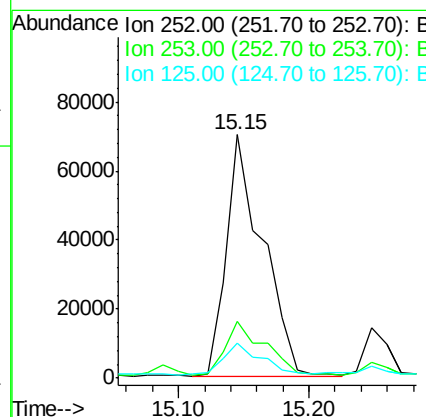
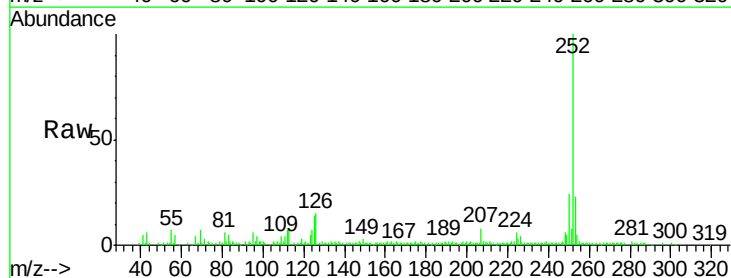
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-18-COMP(0.5-1.5)

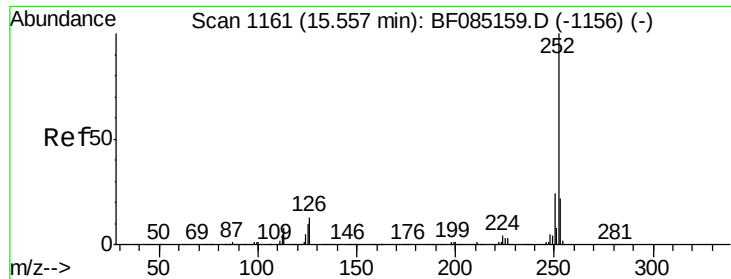
Tgt Ion:252 Resp: 136081
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 14.1 11.3 16.9



#88
Benzo(k)fluoranthene
Concen: 10.47 ng
RT: 15.15 min Scan# 1125
Delta R.T. -0.07 min
Lab File: BF085404.D
Acq: 12 Mar 2016 7:34

Tgt Ion:252 Resp: 136081
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 14.1 10.4 15.6





#89

Benzo(a)pyrene

Concen: 5.42 ng

RT: 15.51 min Scan# 1157

Delta R.T. -0.05 min

Lab File: BF085404.D

Acq: 12 Mar 2016 7:34

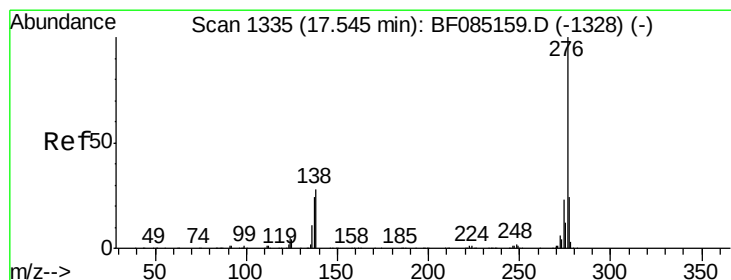
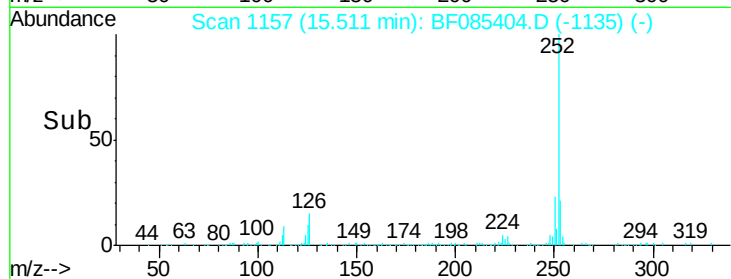
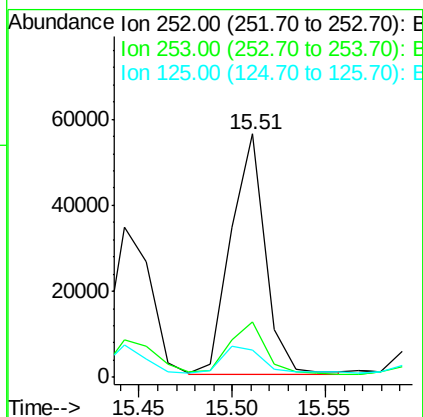
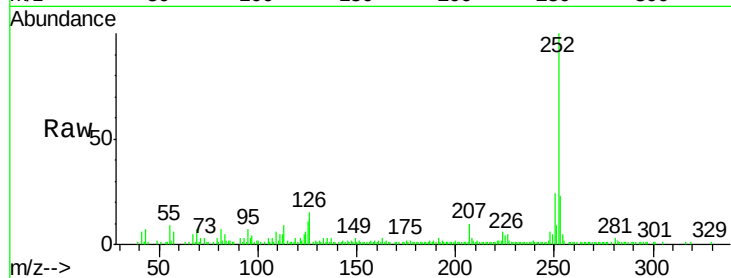
Instrument :

BNA_F

ClientSampleId :

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

Tgt Ion:	252	Resp:	72368
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.0
125	11.4	8.2	12.4



#91

Benzo(g,h,i)perylene

Concen: 2.79 ng

RT: 17.47 min Scan# 1328

Delta R.T. -0.08 min

Lab File: BF085404.D

Acq: 12 Mar 2016 7:34

Tgt Ion:	276	Resp:	31908
Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.0	28.4
138	31.4	22.5	33.7

