

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031416\
 Data File : BF085441.D
 Acq On : 14 Mar 2016 20:58
 Operator : UM/SJ
 Sample : H1722-04RE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-33(0.5-2.0)

Quant Time: Mar 15 01:02:42 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	180860	20.00	ng	-0.06
21) Naphthalene-d8	8.21	136	765190	20.00	ng	-0.06
38) Acenaphthene-d10	9.97	164	345416	20.00	ng	-0.06
63) Phenanthrene-d10	11.45	188	600149	20.00	ng	-0.06
75) Chrysene-d12	14.08	240	310443	20.00	ng	-0.07
86) Perylene-d12	15.55	264	315551	20.00	ng	-0.07

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1631210	151.29	ng	-0.05
7) Phenol-d6	6.56	99	1881810	133.21	ng	-0.05
23) Nitrobenzene-d5	7.49	82	1147644	80.26	ng	-0.06
41) 2,4,6-Tribromophenol	10.76	330	403033	136.36	ng	-0.06
44) 2-Fluorobiphenyl	9.29	172	1849406	81.43	ng	-0.06
78) Terphenyl-d14	13.04	244	1360403	101.73	ng	-0.05

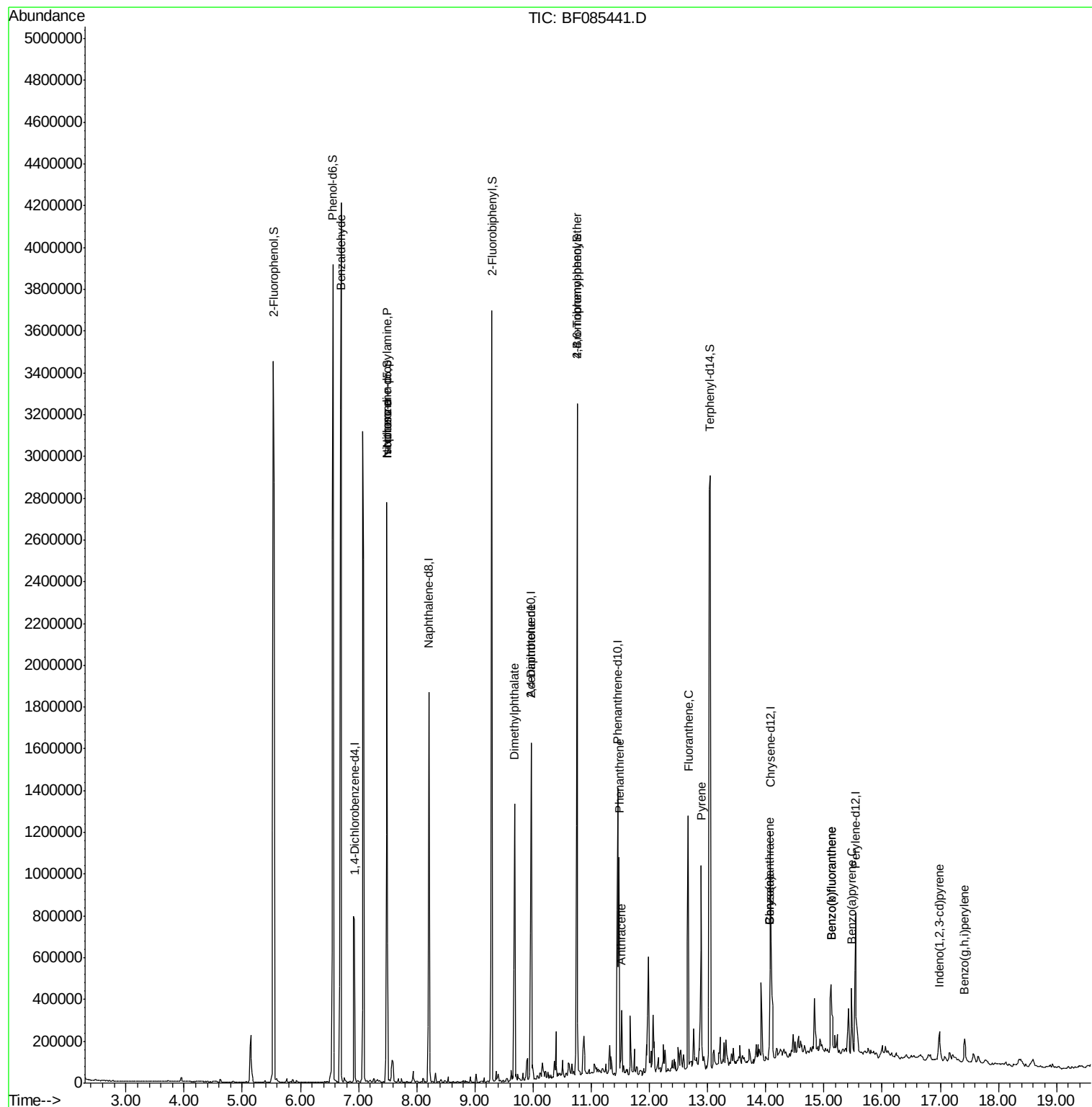
Target Compounds						Qvalue
9) Benzaldehyde	6.70	77	35859	2.52	ng	91
19) n-Nitroso-di-n-propylamine	7.49	70	150411	16.34	ng	# 77
25) Isophorone	7.49	82	831162	31.37	ng	# 67
49) Dimethylphthalate	9.68	163	587779	22.17	ng	99
56) 2,4-Dinitrotoluene	9.97	165	44698	6.16	ng	# 22
66) 4-Bromophenyl-phenylether	10.76	248	28771	4.94	ng	# 1
70) Phenanthrene	11.48	178	450348	14.32	ng	98
71) Anthracene	11.52	178	108461	3.25	ng	98
74) Fluoranthene	12.67	202	550624	17.44	ng	95
77) Pyrene	12.89	202	474954	20.33	ng	98
80) Benzo(a)anthracene	14.07	228	197964	10.65	ng	99
82) Chrysene	14.07	228	197964	11.53	ng	97
85) Indeno(1,2,3-cd)pyrene	16.99	276	91449	6.83	ng	# 90
87) Benzo(b)fluoranthene	15.12	252	256980	12.22	ng	98
88) Benzo(k)fluoranthene	15.12	252	256980	15.15	ng	99
89) Benzo(a)pyrene	15.48	252	141531	8.12	ng	# 95
91) Benzo(g,h,i)perylene	17.42	276	86670	5.79	ng	97

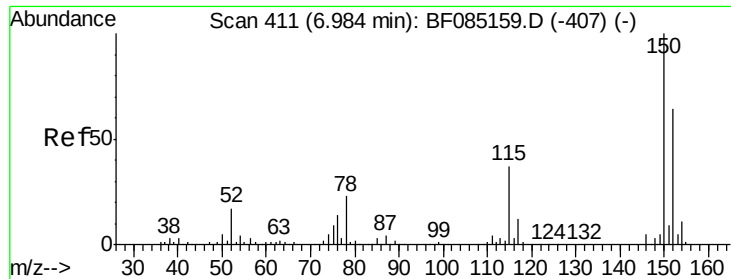
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF085441.D

Acq: 14 Mar 2016 20:58

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-33(0.5-2.0)

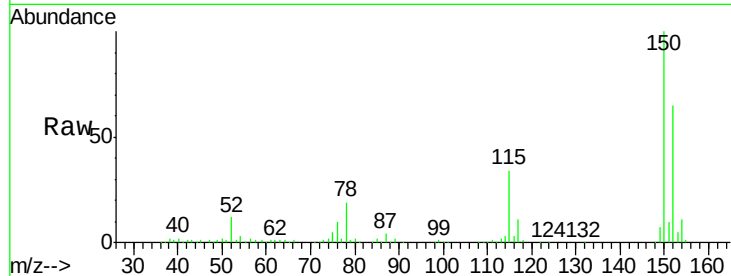
Tgt Ion:152 Resp: 180860

Ion Ratio Lower Upper

152 100

150 153.6 124.6 186.8

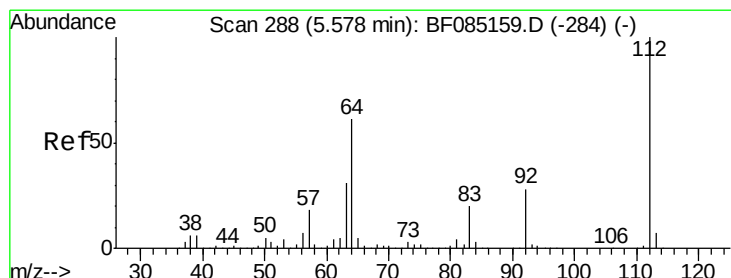
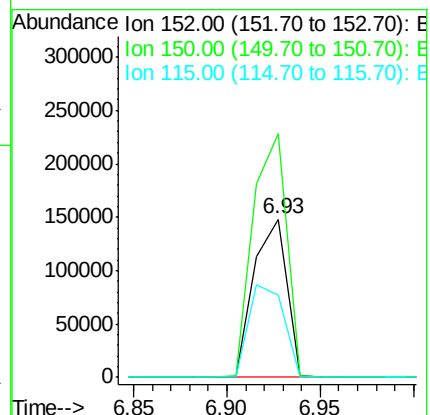
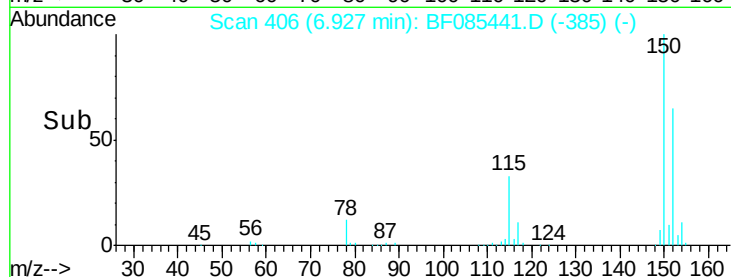
115 51.8 46.6 70.0



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: 151.29 ng

RT: 5.53 min Scan# 284

Delta R.T. -0.05 min

Lab File: BF085441.D

Acq: 14 Mar 2016 20:58

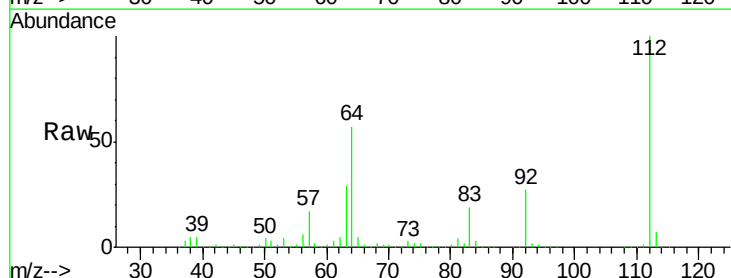
Tgt Ion:112 Resp: 1631210

Ion Ratio Lower Upper

112 100

64 56.7 49.0 73.4

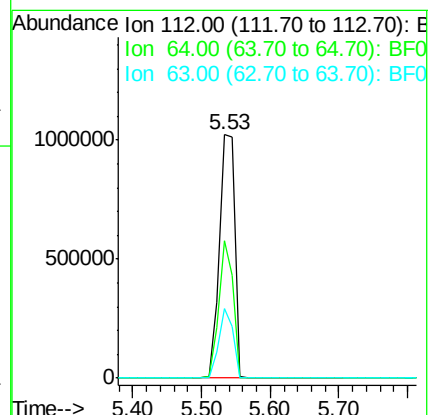
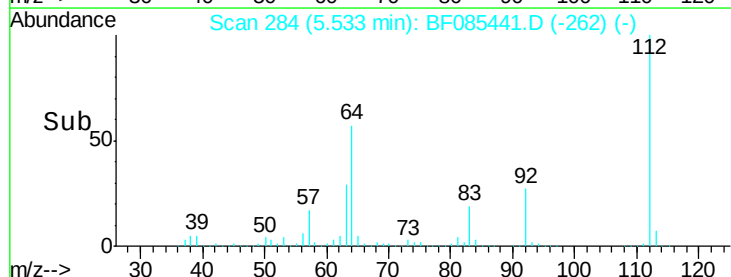
63 28.8 24.8 37.2

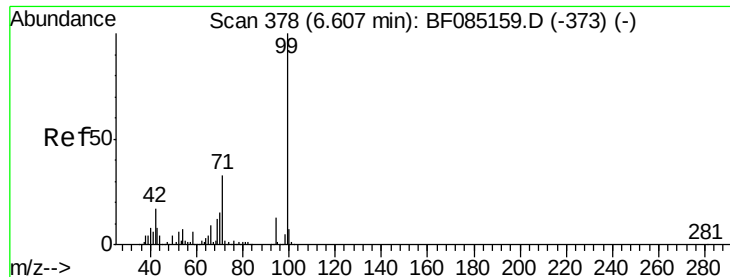


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 133.21 ng

RT: 6.56 min Scan# 374

Delta R.T. -0.05 min

Lab File: BF085441.D

Acq: 14 Mar 2016 20:58

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-33(0.5-2.0)

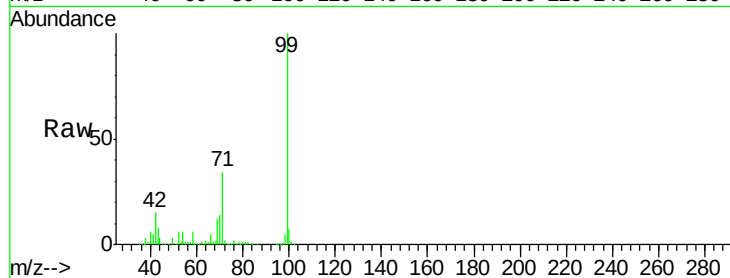
Tgt Ion: 99 Resp: 1881810

Ion Ratio Lower Upper

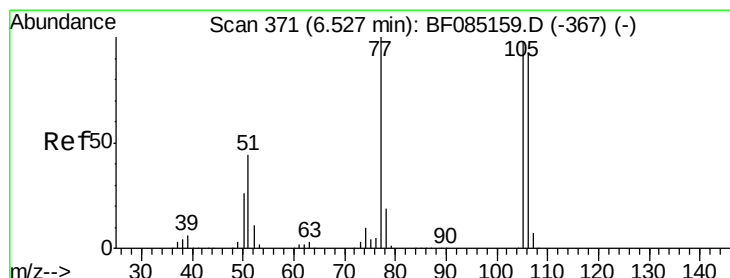
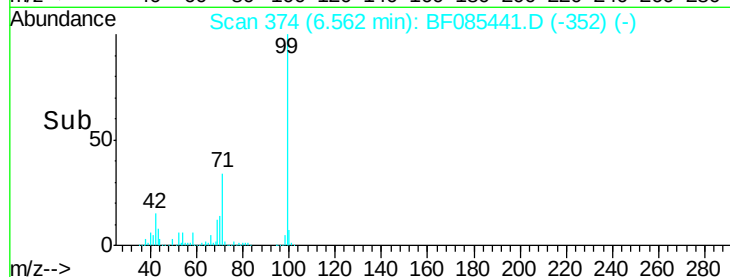
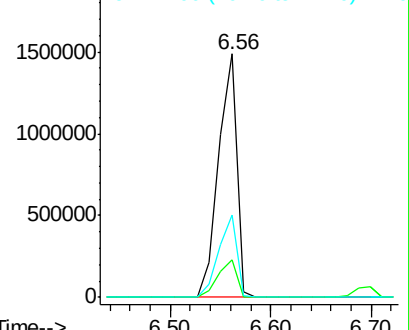
99 100

42 15.3 13.6 20.4

71 33.8 26.7 40.1



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.52 ng

RT: 6.70 min Scan# 386

Delta R.T. 0.17 min

Lab File: BF085441.D

Acq: 14 Mar 2016 20:58

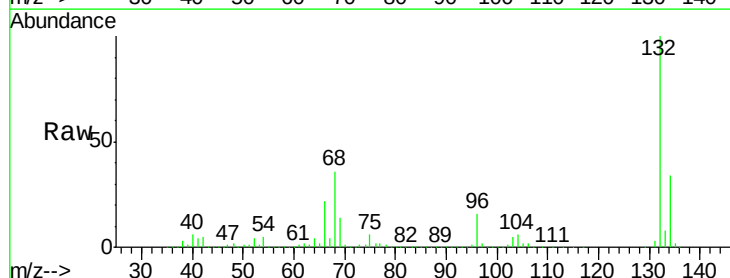
Tgt Ion: 77 Resp: 35859

Ion Ratio Lower Upper

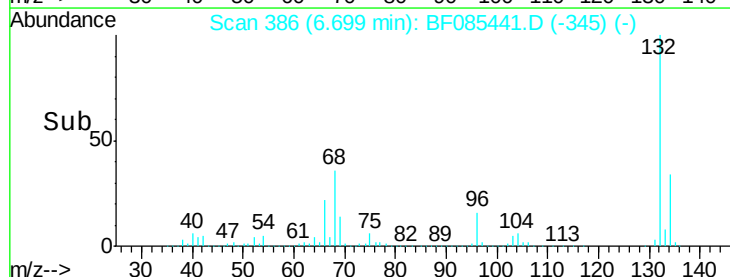
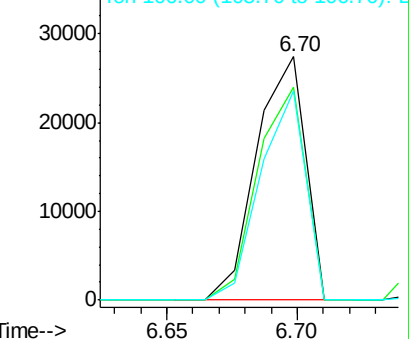
77 100

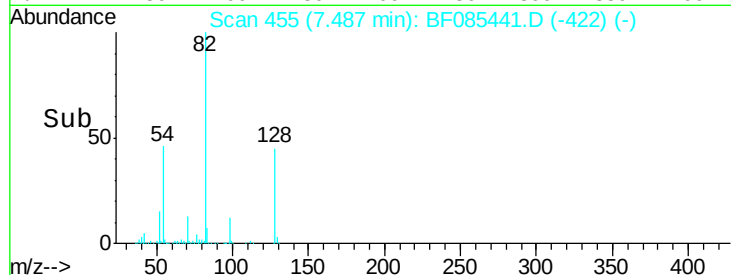
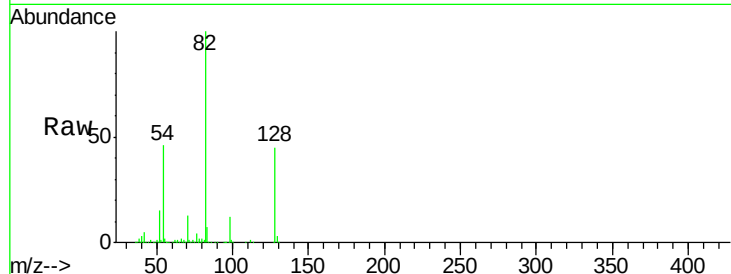
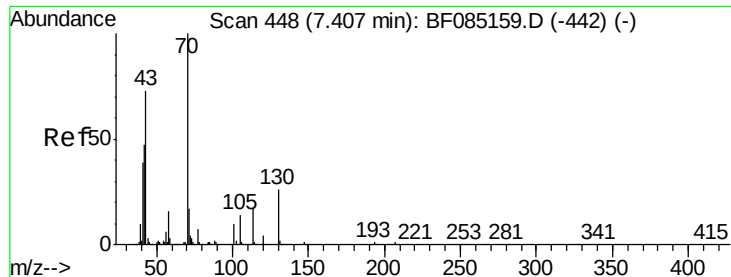
105 87.6 78.2 118.2

106 85.7 72.9 112.9



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): B
Ion 106.00 (105.70 to 106.70): B

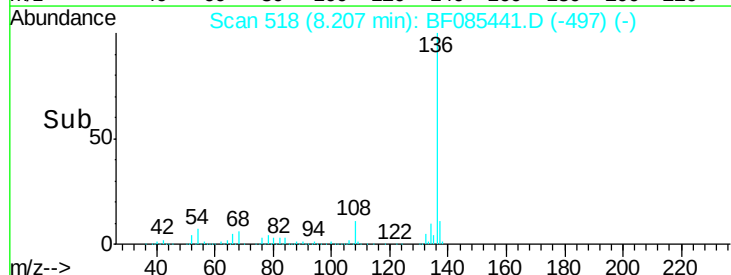
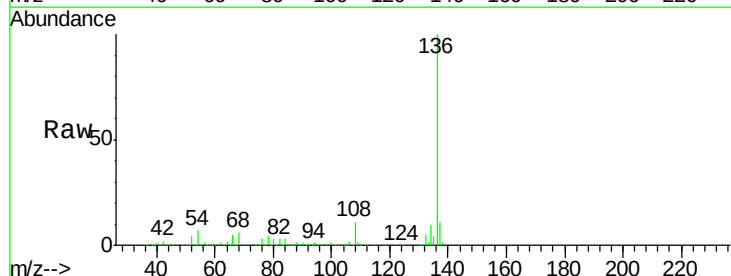
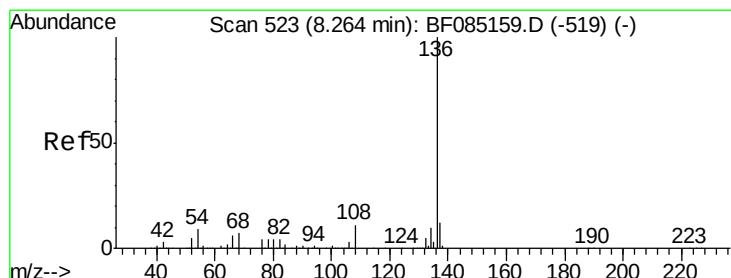
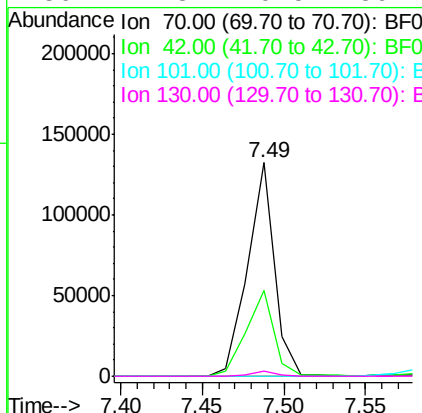




#19
n-Nitroso-di-n-propylamine
Concen: 16.34 ng
RT: 7.49 min Scan# 455
Delta R.T. 0.08 min
Lab File: BF085441.D
Acq: 14 Mar 2016 20:58

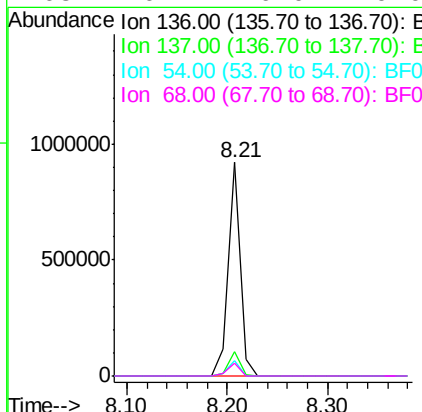
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-33(0.5-2.0)

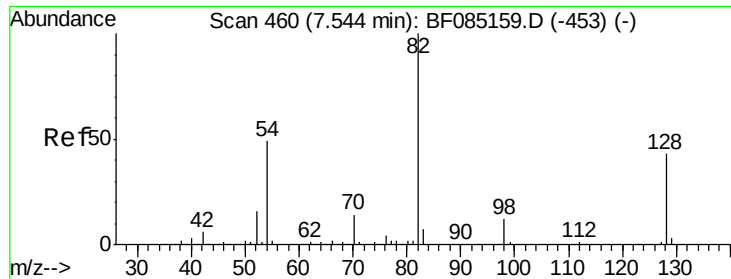
Tgt Ion:	70	Resp:	150411
Ion Ratio	Lower	Upper	
70	100		
42	40.5	37.7	56.5
101	0.0	8.2	12.4#
130	2.3	20.5	30.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.21 min Scan# 518
Delta R.T. -0.06 min
Lab File: BF085441.D
Acq: 14 Mar 2016 20:58

Tgt Ion:	136	Resp:	765190
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.3	13.9
54	7.2	7.4	11.2#
68	6.2	6.0	9.0

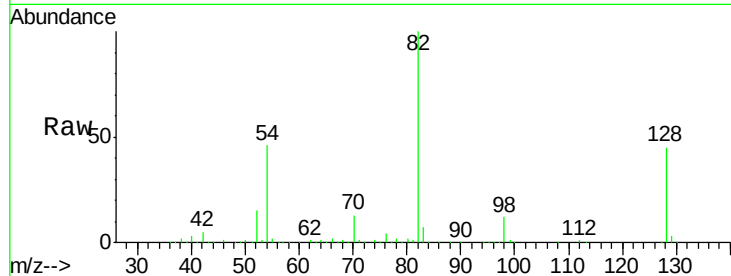




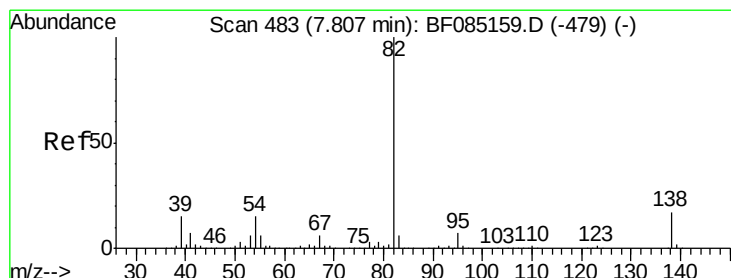
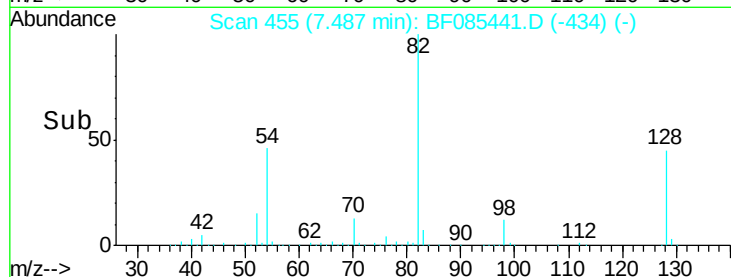
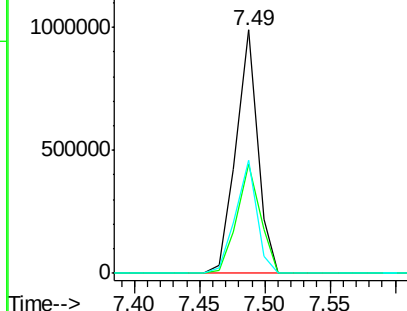
#23
Nitrobenzene-d5
Concen: 80.26 ng
RT: 7.49 min Scan# 455
Delta R.T. -0.06 min
Lab File: BF085441.D
Acq: 14 Mar 2016 20:58

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-33(0.5-2.0)

Tgt Ion: 82 Resp: 1147644
Ion Ratio Lower Upper
82 100
128 44.7 34.5 51.7
54 46.3 39.3 58.9

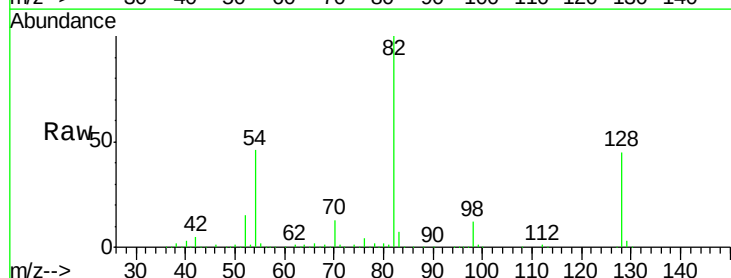


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

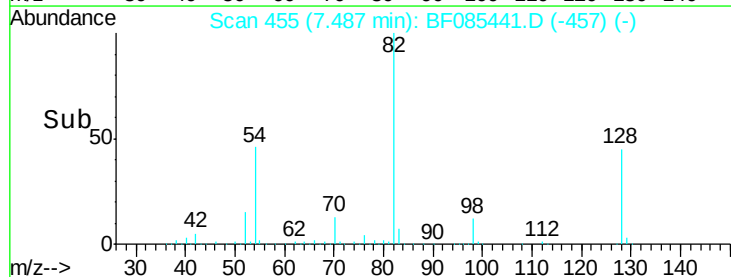
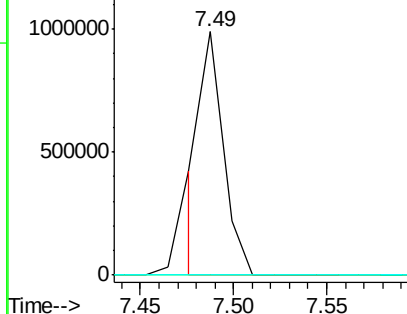


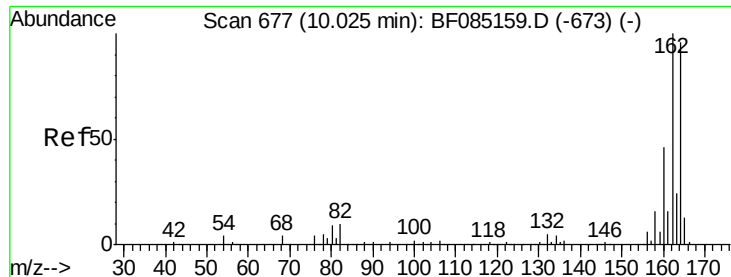
#25
Isophorone
Concen: 31.37 ng
RT: 7.49 min Scan# 455
Delta R.T. -0.32 min
Lab File: BF085441.D
Acq: 14 Mar 2016 20:58

Tgt Ion: 82 Resp: 831162
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): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

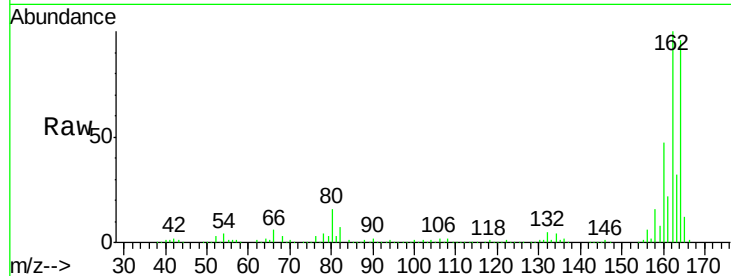




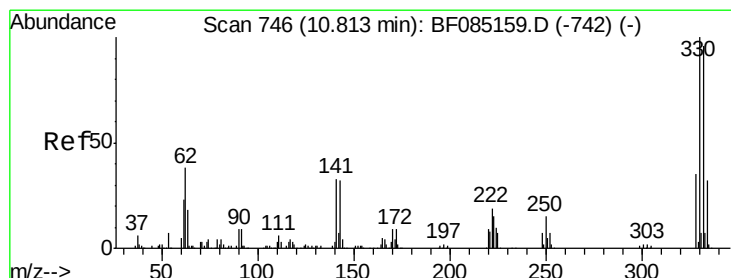
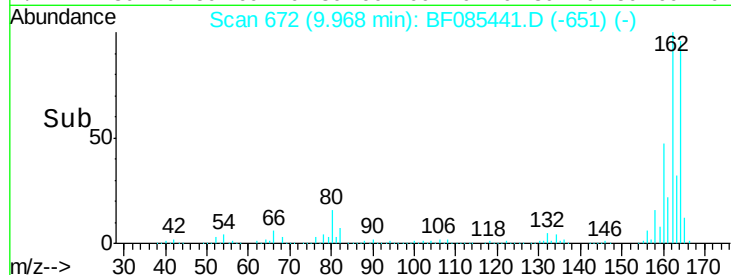
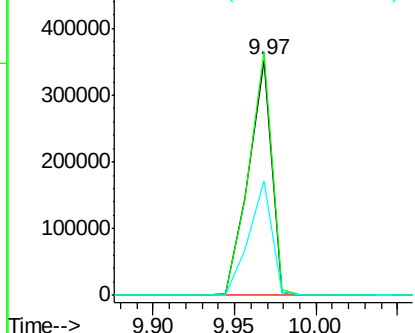
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.97 min Scan# 672
 Delta R.T. -0.06 min
 Lab File: BF085441.D
 Acq: 14 Mar 2016 20:58

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-33(0.5-2.0)

Tgt Ion:164 Resp: 345416
 Ion Ratio Lower Upper
 164 100
 162 103.7 83.3 124.9
 160 48.9 37.9 56.9

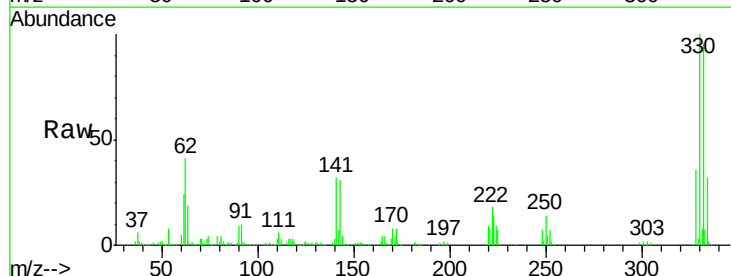


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

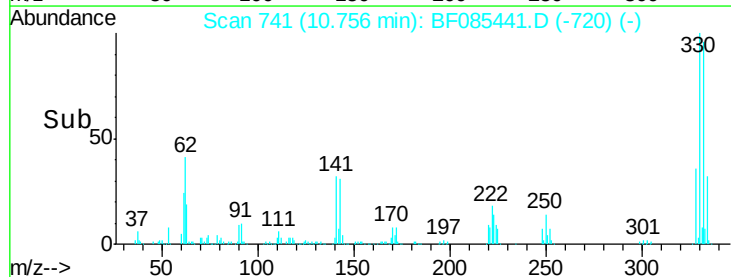
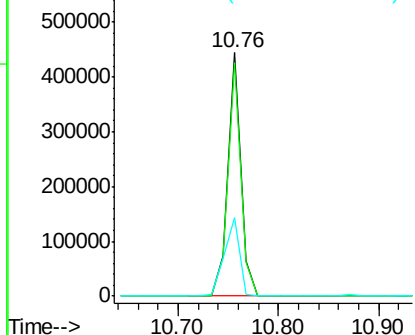


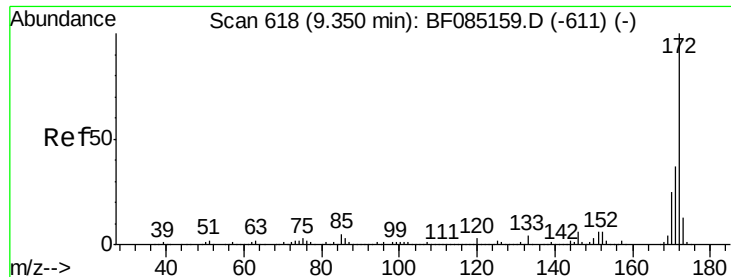
#41
 2,4,6-Tribromophenol
 Concen: 136.36 ng
 RT: 10.76 min Scan# 741
 Delta R.T. -0.06 min
 Lab File: BF085441.D
 Acq: 14 Mar 2016 20:58

Tgt Ion:330 Resp: 403033
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.1 115.7
 141 37.3 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

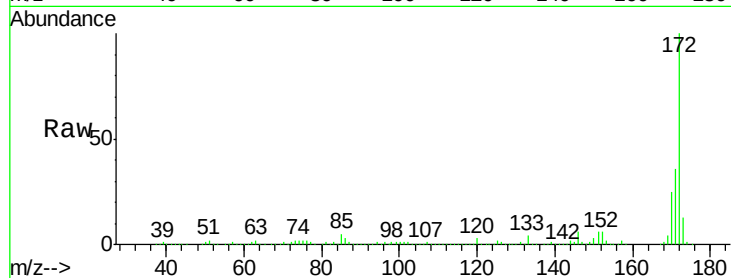




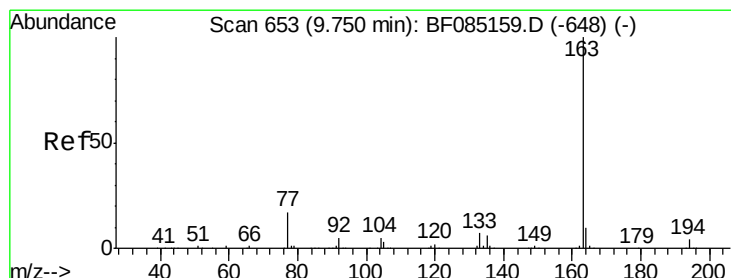
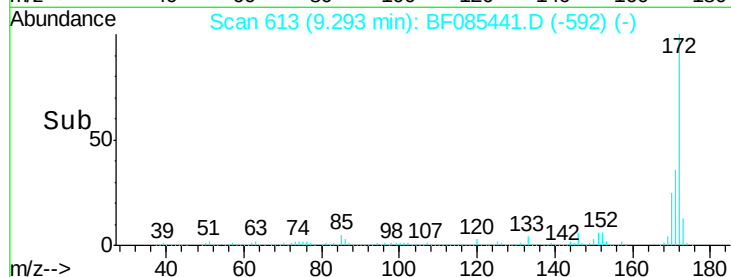
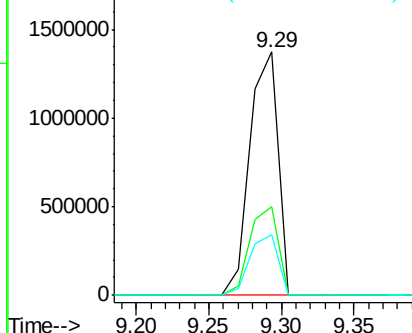
#44
2-Fluorobiphenyl
Concen: 81.43 ng
RT: 9.29 min Scan# 613
Delta R.T. -0.06 min
Lab File: BF085441.D
Acq: 14 Mar 2016 20:58

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-33(0.5-2.0)

Tgt Ion:172 Resp: 1849406
Ion Ratio Lower Upper
172 100
171 36.5 29.3 43.9
170 24.7 20.0 30.0

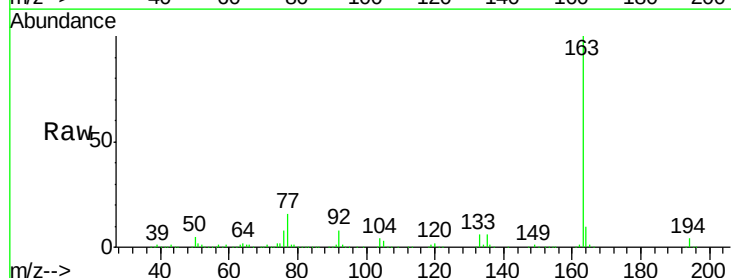


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

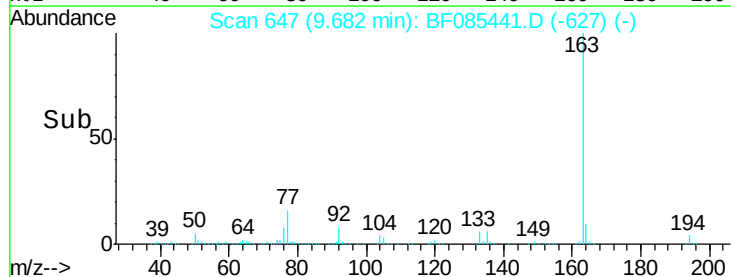
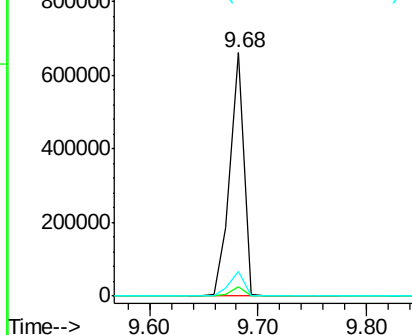


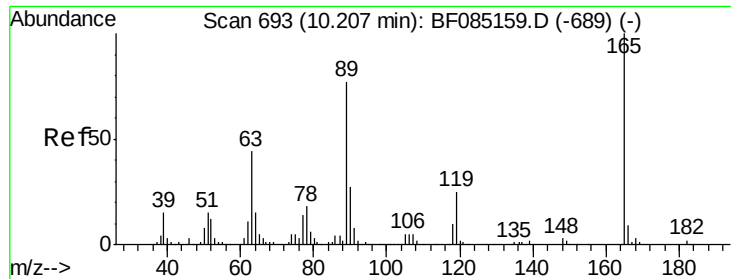
#49
Dimethylphthalate
Concen: 22.17 ng
RT: 9.68 min Scan# 647
Delta R.T. -0.07 min
Lab File: BF085441.D
Acq: 14 Mar 2016 20:58

Tgt Ion:163 Resp: 587779
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 9.9 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: 6.16 ng

RT: 9.97 min Scan# 672

Delta R.T. -0.24 min

Lab File: BF085441.D

Acq: 14 Mar 2016 20:58

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-33(0.5-2.0)

Tgt Ion:165 Resp: 44698

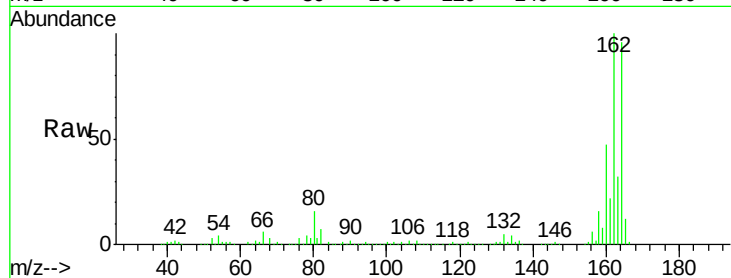
Ion Ratio Lower Upper

165 100

63 1.4 35.4 53.0#

89 1.8 61.9 92.9#

182 0.0 1.9 2.9#

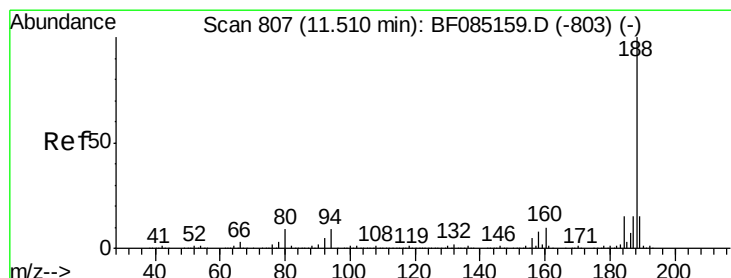
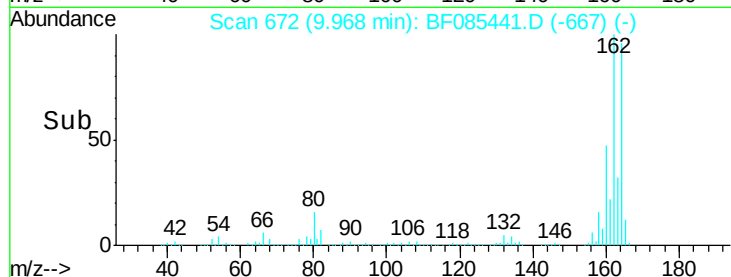
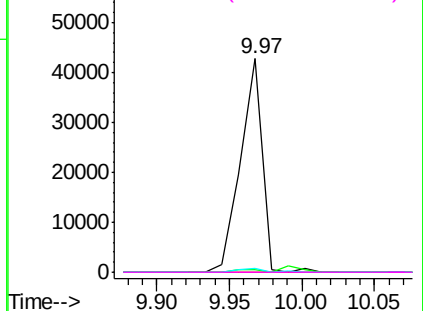


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF085441.D

Acq: 14 Mar 2016 20:58

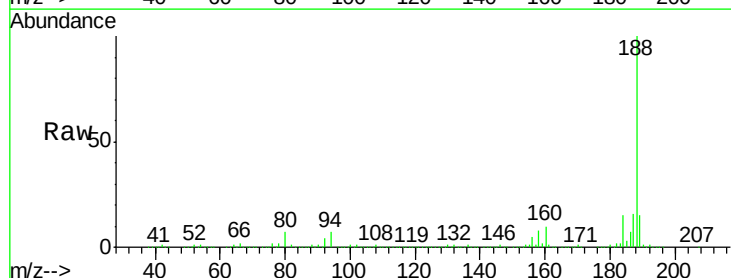
Tgt Ion:188 Resp: 600149

Ion Ratio Lower Upper

188 100

94 6.8 7.0 10.6#

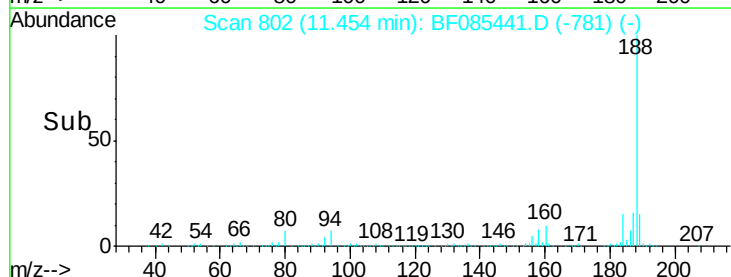
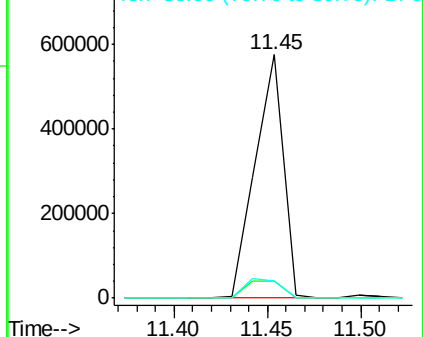
80 7.0 7.4 11.0#

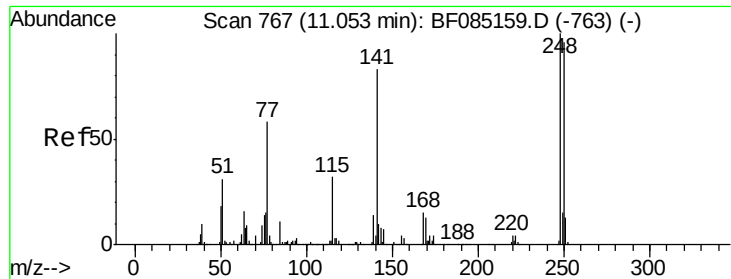


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

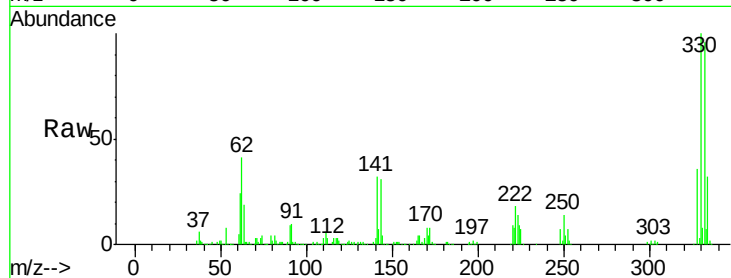




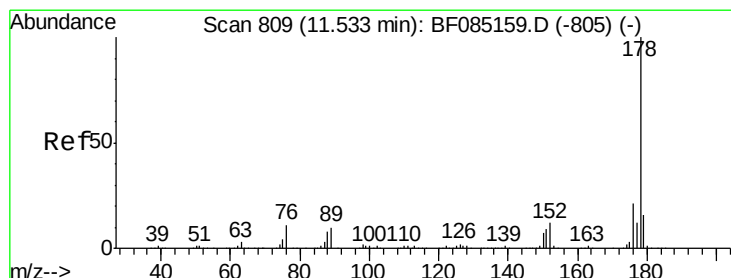
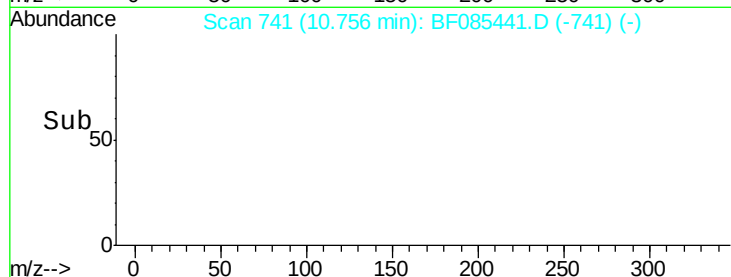
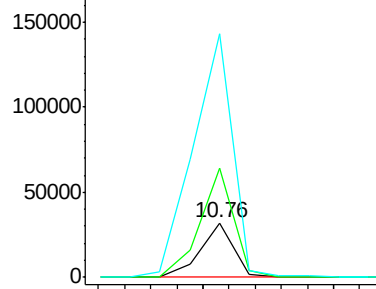
#66
 4-Bromophenyl-phenylether
 Concen: 4.94 ng
 RT: 10.76 min Scan# 741
 Delta R.T. -0.30 min
 Lab File: BF085441.D
 Acq: 14 Mar 2016 20:58

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-33(0.5-2.0)

Tgt Ion:248 Resp: 28771
 Ion Ratio Lower Upper
 248 100
 250 198.8 77.1 115.7#
 141 445.8 66.2 99.2#

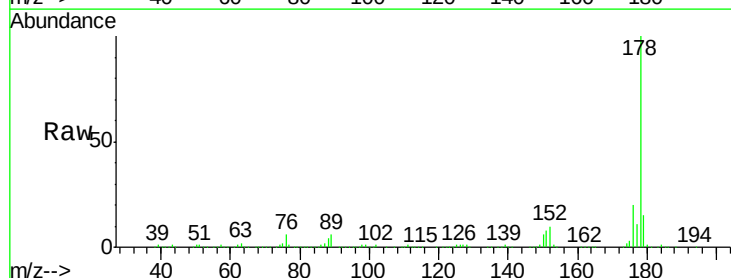


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

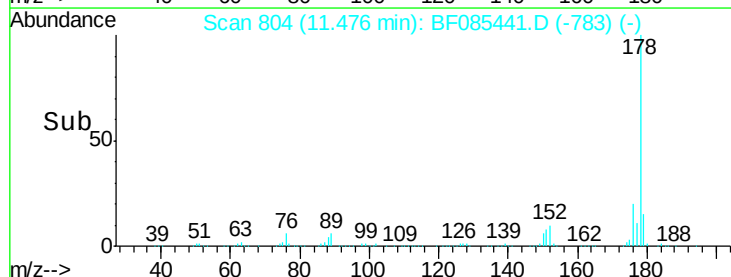
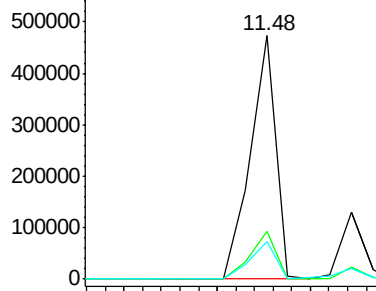


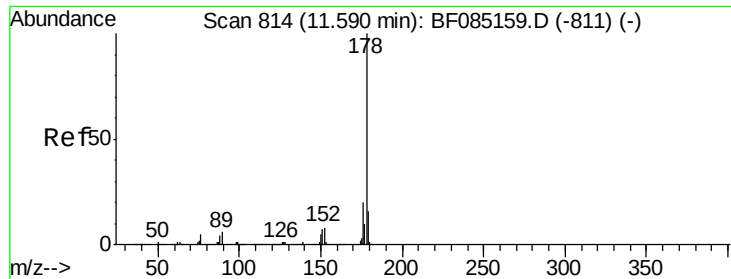
#70
 Phenanthrene
 Concen: 14.32 ng
 RT: 11.48 min Scan# 804
 Delta R.T. -0.06 min
 Lab File: BF085441.D
 Acq: 14 Mar 2016 20:58

Tgt Ion:178 Resp: 450348
 Ion Ratio Lower Upper
 178 100
 176 19.8 16.8 25.2
 179 15.4 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

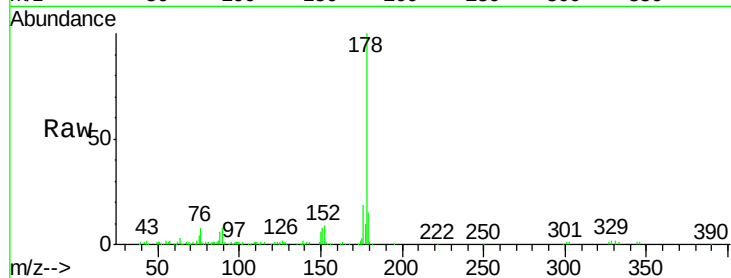




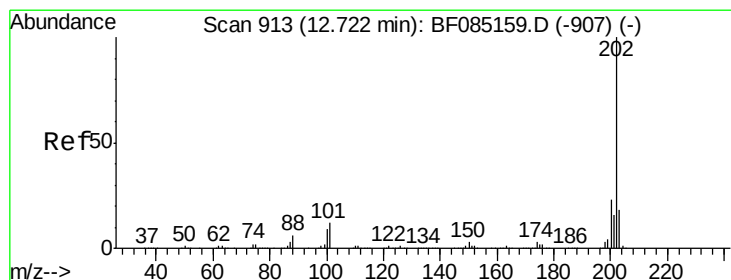
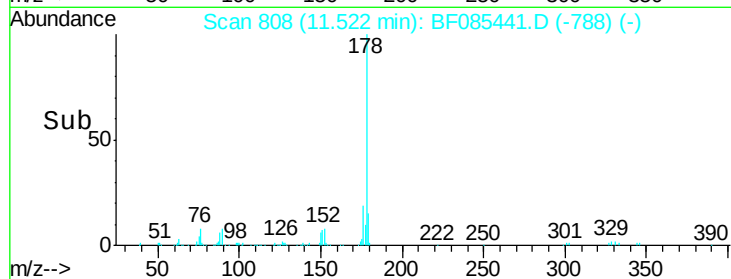
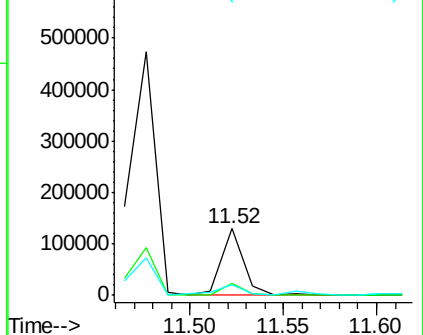
#71
 Anthracene
 Concen: 3.25 ng
 RT: 11.52 min Scan# 808
 Delta R.T. -0.07 min
 Lab File: BF085441.D
 Acq: 14 Mar 2016 20:58

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-33(0.5-2.0)

Tgt Ion:178 Resp: 108461
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.9 23.9
 179 15.1 12.5 18.7

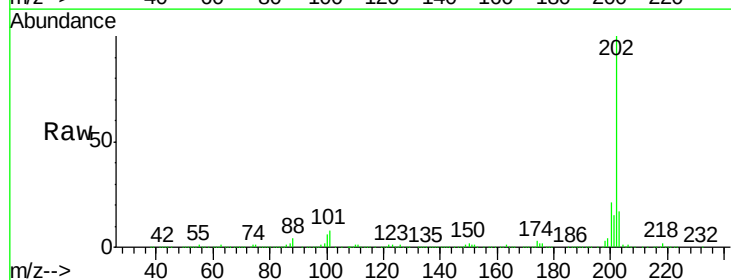


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

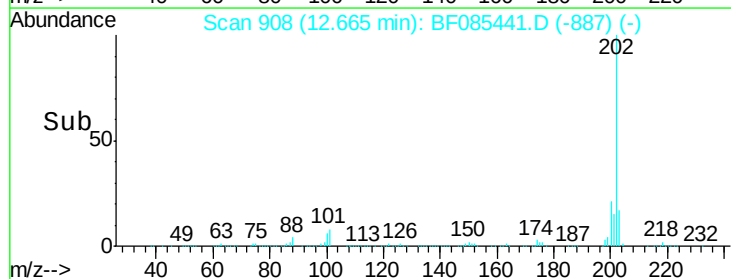
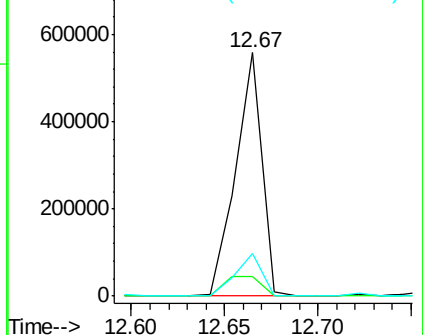


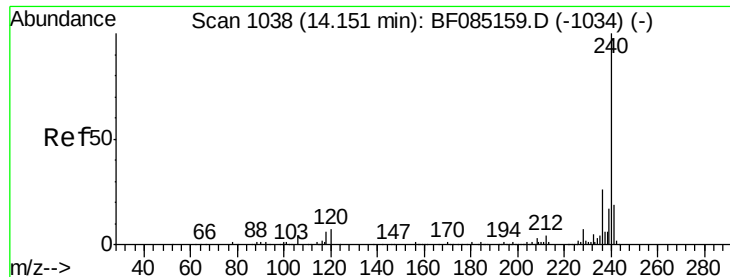
#74
 Fluoranthene
 Concen: 17.44 ng
 RT: 12.67 min Scan# 908
 Delta R.T. -0.06 min
 Lab File: BF085441.D
 Acq: 14 Mar 2016 20:58

Tgt Ion:202 Resp: 550624
 Ion Ratio Lower Upper
 202 100
 101 8.3 0.0 31.8
 203 17.5 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: BF085441.D

Acq: 14 Mar 2016 20:58

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-33(0.5-2.0)

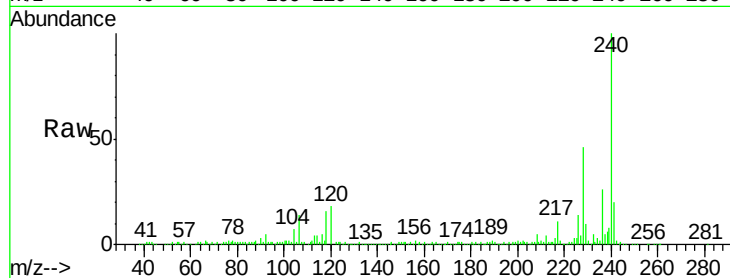
Tgt Ion:240 Resp: 310443

Ion Ratio Lower Upper

240 100

120 18.3 5.3 7.9#

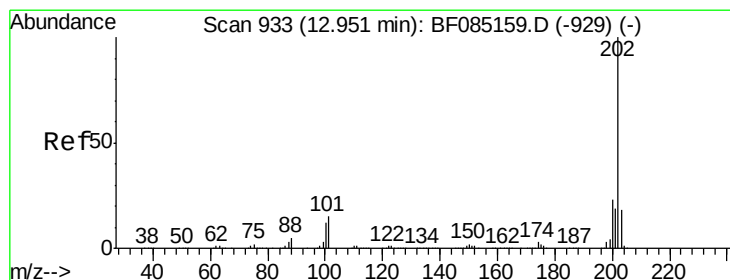
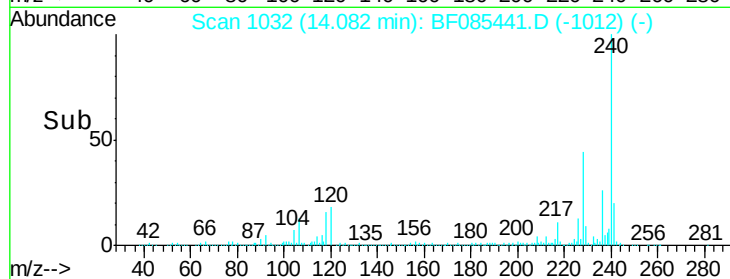
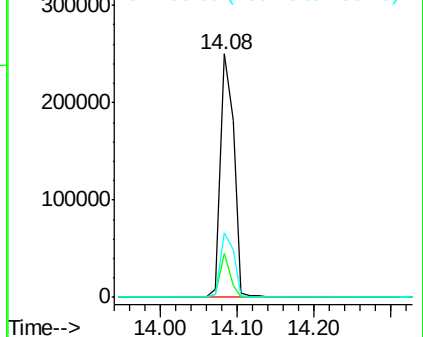
236 26.4 20.7 31.1



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: 20.33 ng

RT: 12.89 min Scan# 928

Delta R.T. -0.06 min

Lab File: BF085441.D

Acq: 14 Mar 2016 20:58

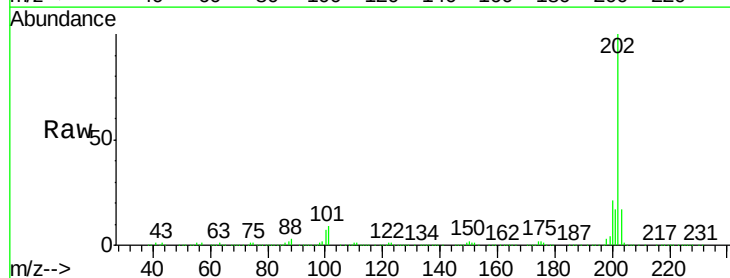
Tgt Ion:202 Resp: 474954

Ion Ratio Lower Upper

202 100

200 21.5 18.2 27.4

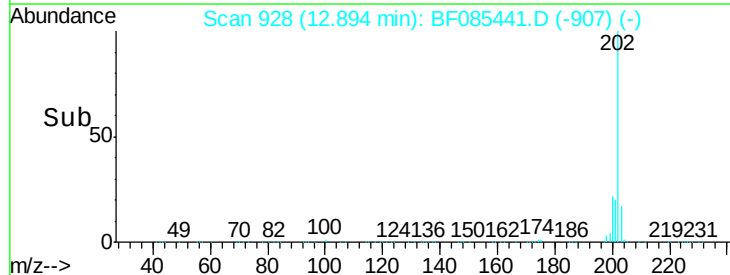
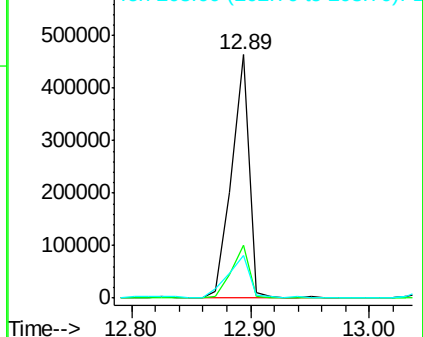
203 17.5 14.7 22.1

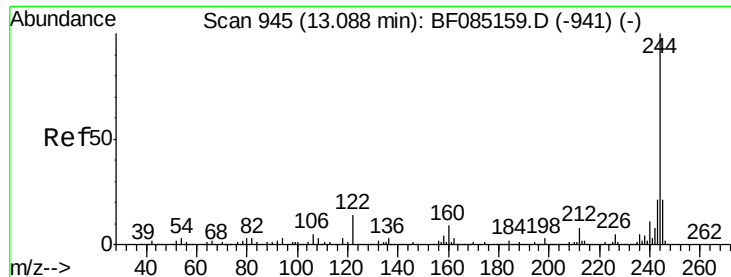


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 101.73 ng

RT: 13.04 min Scan# 941

Delta R.T. -0.05 min

Lab File: BF085441.D

Acq: 14 Mar 2016 20:58

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-33(0.5-2.0)

Tgt Ion:244 Resp: 1360403

Ion Ratio Lower Upper

244 100

212 6.6

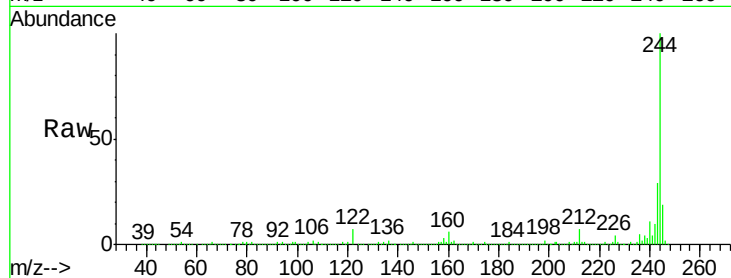
6.4

9.6

122 7.2

11.4

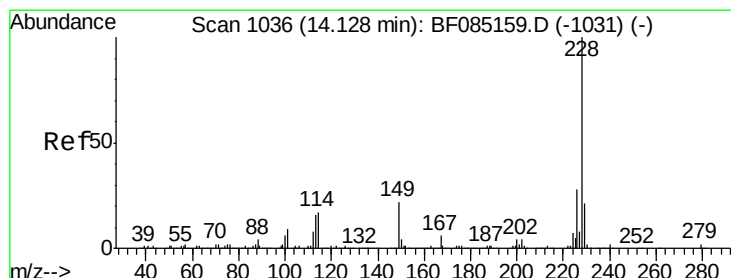
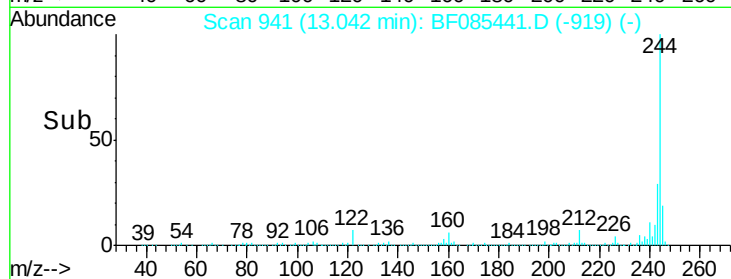
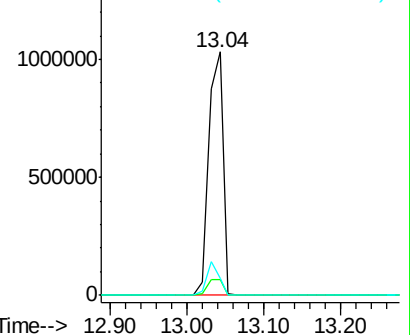
17.2#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 10.65 ng

RT: 14.07 min Scan# 1031

Delta R.T. -0.06 min

Lab File: BF085441.D

Acq: 14 Mar 2016 20:58

Tgt Ion:228 Resp: 197964

Ion Ratio Lower Upper

228 100

226 29.2

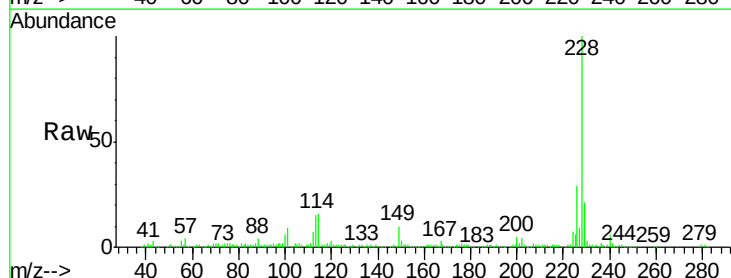
22.8

34.2

229 20.9

16.6

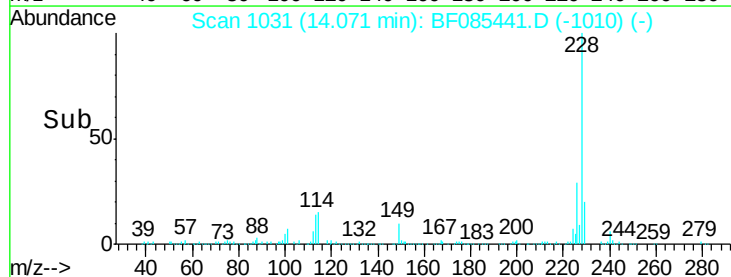
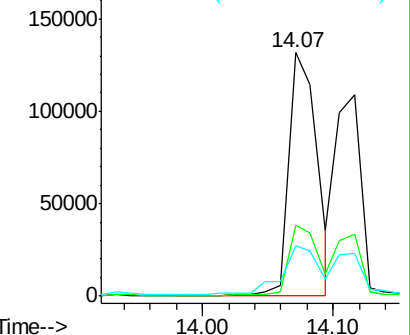
24.8

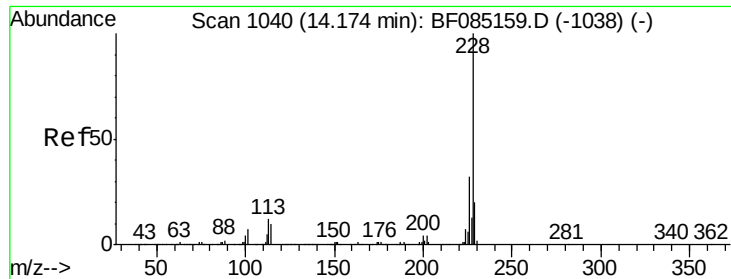


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 11.53 ng

RT: 14.07 min Scan# 1031

Delta R.T. -0.10 min

Lab File: BF085441.D

Acq: 14 Mar 2016 20:58

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-33(0.5-2.0)

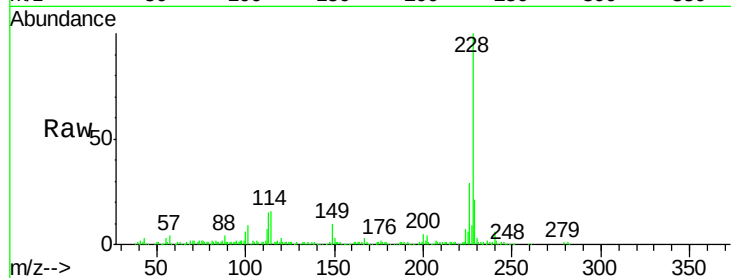
Tgt Ion:228 Resp: 197964

Ion Ratio Lower Upper

228 100

226 29.2 25.2 37.8

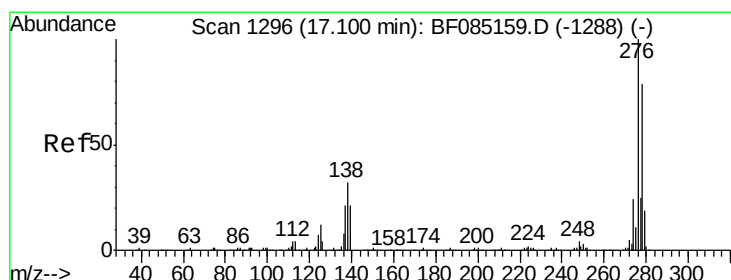
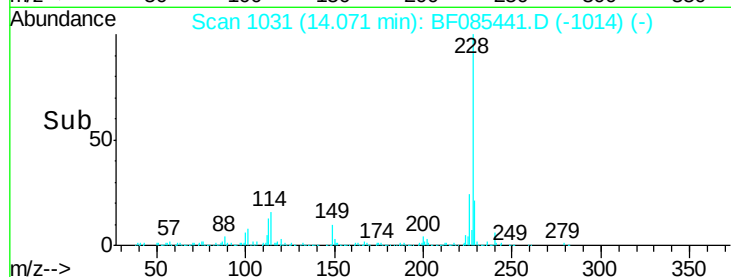
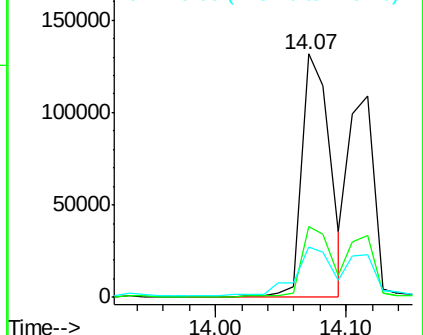
229 20.9 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.83 ng

RT: 16.99 min Scan# 1286

Delta R.T. -0.11 min

Lab File: BF085441.D

Acq: 14 Mar 2016 20:58

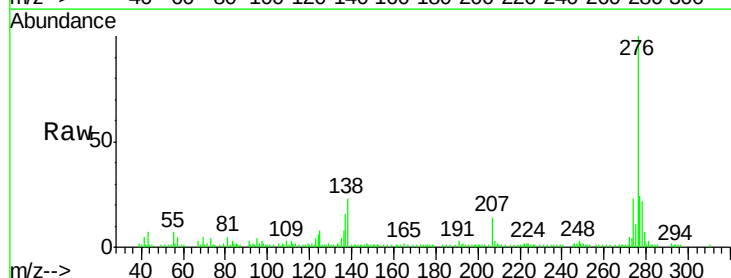
Tgt Ion:276 Resp: 91449

Ion Ratio Lower Upper

276 100

138 25.1 26.4 39.6#

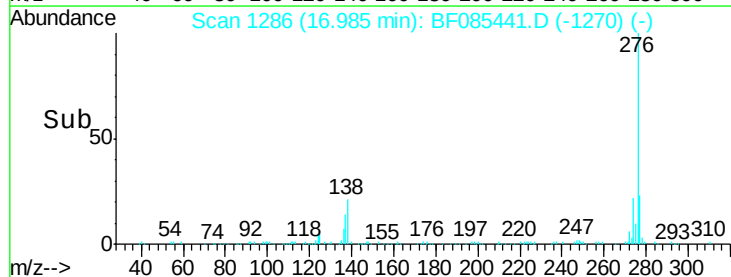
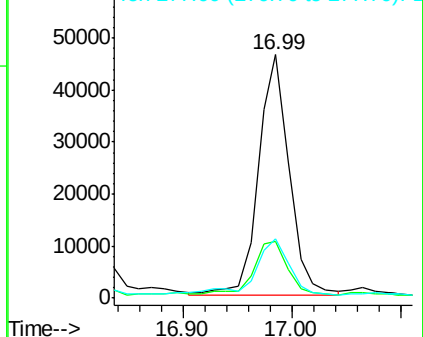
277 27.3 20.2 30.2

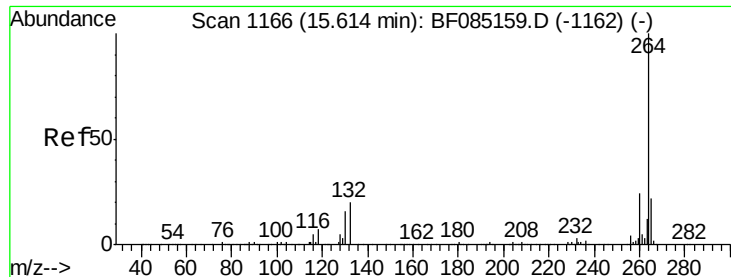


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

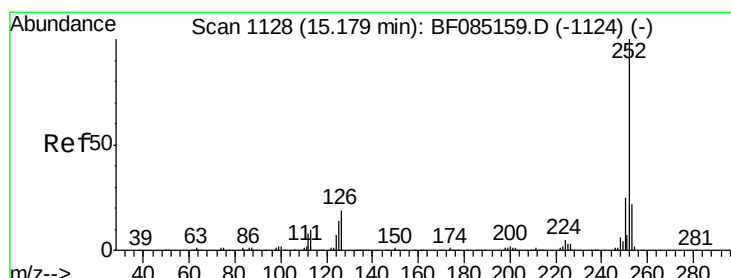
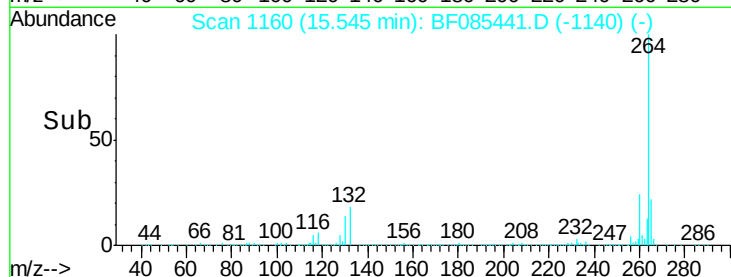
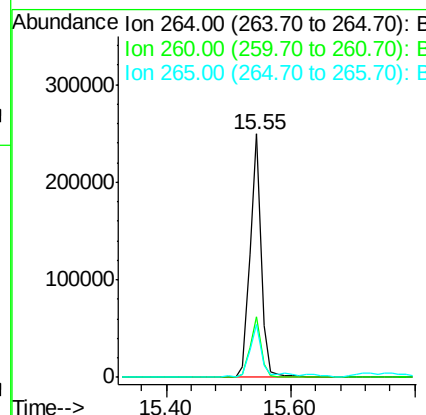
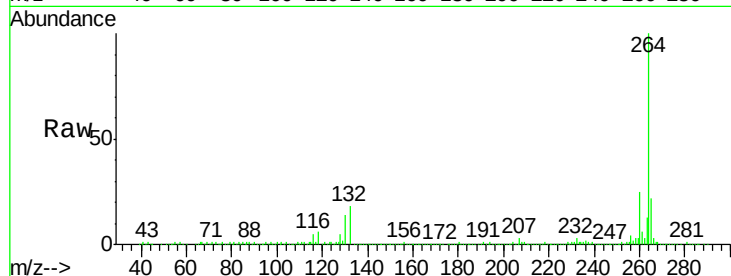




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.55 min Scan# 1160
Delta R.T. -0.07 min
Lab File: BF085441.D
Acq: 14 Mar 2016 20:58

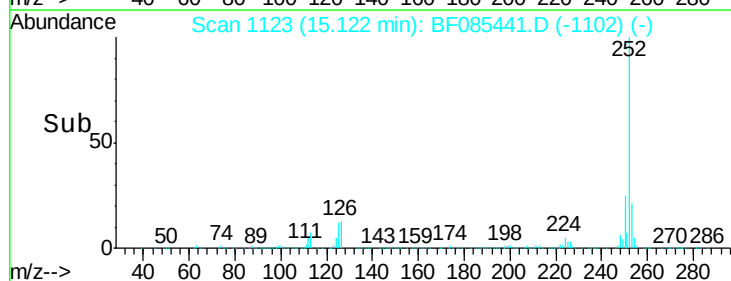
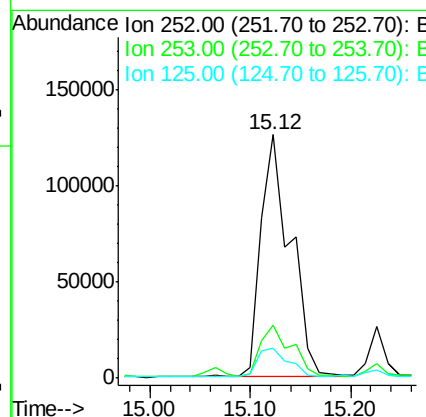
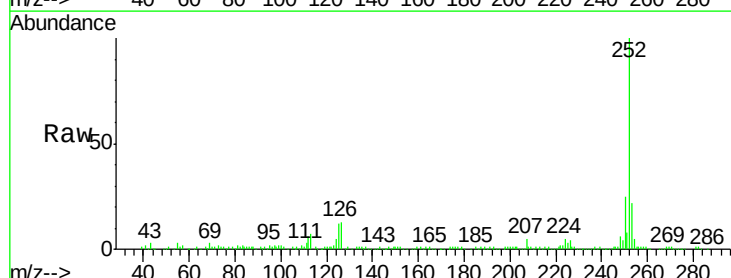
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-33(0.5-2.0)

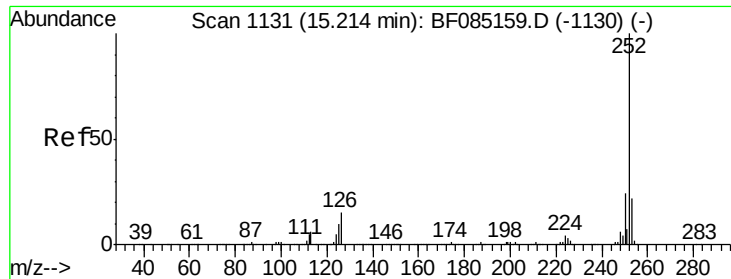
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.0	17.3	25.9



#87
Benzo(b)fluoranthene
Concen: 12.22 ng
RT: 15.12 min Scan# 1123
Delta R.T. -0.06 min
Lab File: BF085441.D
Acq: 14 Mar 2016 20:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	12.3	11.3	16.9

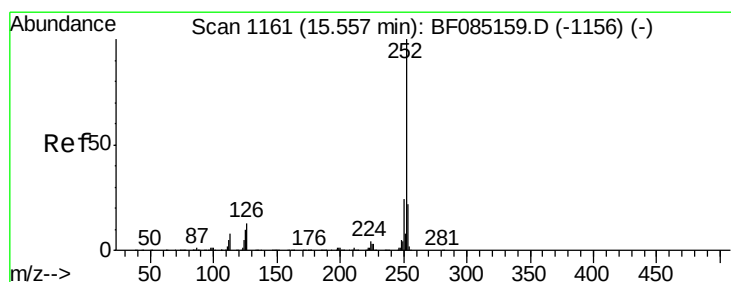
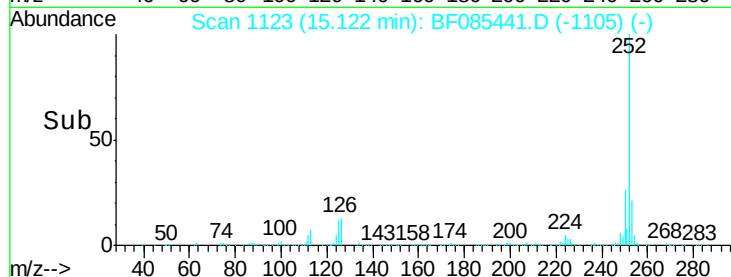
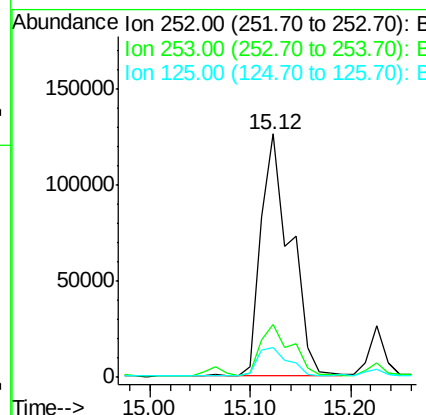
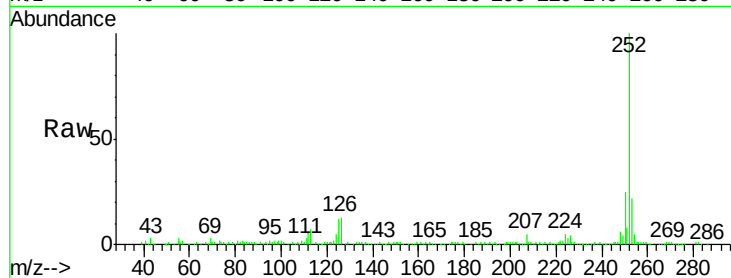




#88
Benzo(k)fluoranthene
Concen: 15.15 ng
RT: 15.12 min Scan# 1123
Delta R.T. -0.09 min
Lab File: BF085441.D
Acq: 14 Mar 2016 20:58

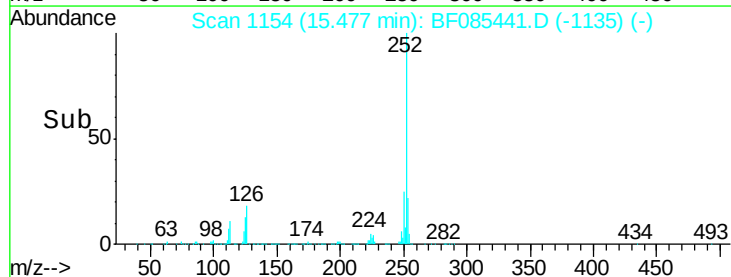
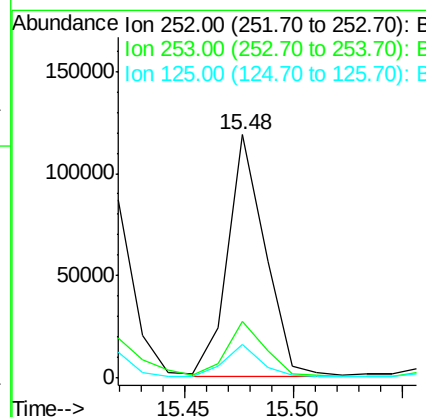
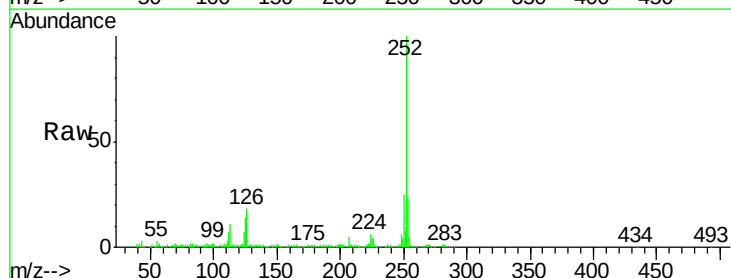
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-33(0.5-2.0)

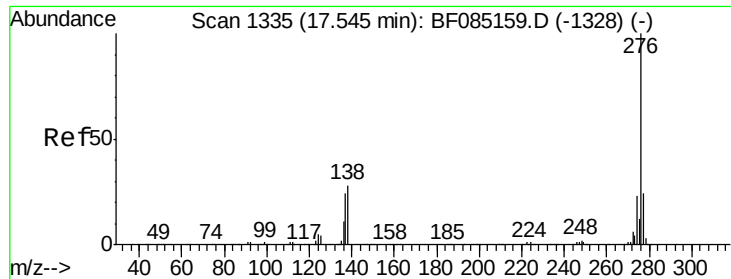
Tgt Ion:	252	Resp:	256980
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	12.3	10.4	15.6



#89
Benzo(a)pyrene
Concen: 8.12 ng
RT: 15.48 min Scan# 1154
Delta R.T. -0.08 min
Lab File: BF085441.D
Acq: 14 Mar 2016 20:58

Tgt Ion:	252	Resp:	141531
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	13.6	8.2	12.4





#91
 Benzo(g,h,i)perylene
 Concen: 5.79 ng
 RT: 17.42 min Scan# 1324
 Delta R.T. -0.13 min
 Lab File: BF085441.D
 Acq: 14 Mar 2016 20:58

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-33(0.5-2.0)

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.0	28.4
138	26.3	22.5	33.7

