

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031716\
 Data File : BF085524.D
 Acq On : 18 Mar 2016 7:36
 Operator : UM/SJ
 Sample : H1776-08
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-06(0.5-3.5)

Quant Time: Mar 18 07:01:04 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 15 18:57:05 2016
 Response via : Initial Calibration

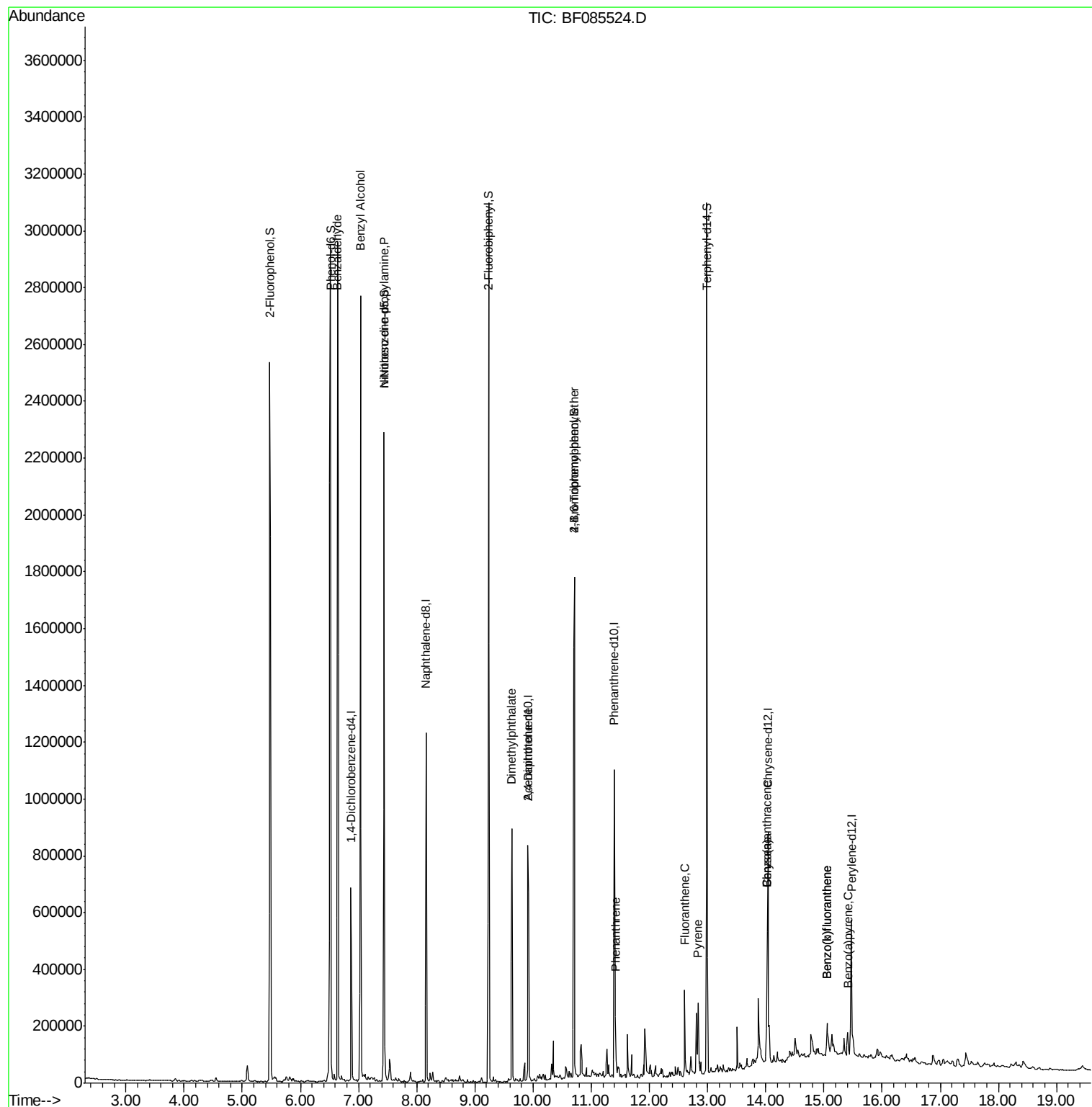
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	125032	20.00	ng	-0.05
21) Naphthalene-d8	8.16	136	539431	20.00	ng	-0.05
38) Acenaphthene-d10	9.91	164	224074	20.00	ng	-0.05
63) Phenanthrene-d10	11.40	188	395781	20.00	ng	-0.05
75) Chrysene-d12	14.04	240	284406	20.00	ng	-0.05
86) Perylene-d12	15.48	264	258101	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1110266	152.64	ng	-0.03
7) Phenol-d6	6.52	99	1490352	157.96	ng	-0.03
23) Nitrobenzene-d5	7.44	82	840835	92.16	ng	-0.05
41) 2,4,6-Tribromophenol	10.71	330	339364	164.43	ng	-0.05
44) 2-Fluorobiphenyl	9.24	172	1234294	95.56	ng	-0.05
78) Terphenyl-d14	12.98	244	936560	74.49	ng	-0.05
Target Compounds						
9) Benzaldehyde	6.64	77	22677	4.30	ng	Qvalue 82
15) Benzyl Alcohol	7.03	79	13981	2.07	ng	# 46
19) n-Nitroso-di-n-propylamine	7.44	70	112995	20.00	ng	# 76
49) Dimethylphthalate	9.64	163	422823	25.86	ng	99
56) 2,4-Dinitrotoluene	9.91	165	28878	6.37	ng	# 22
66) 4-Bromophenyl-phenylether	10.71	248	21664	5.41	ng	# 1
70) Phenanthrene	11.42	178	77164	3.74	ng	97
74) Fluoranthene	12.61	202	111673	5.76	ng	97
77) Pyrene	12.84	202	99276	4.65	ng	97
80) Benzo(a)anthracene	14.03	228	58768	3.60	ng	99
82) Chrysene	14.03	228	58768	4.01	ng	97
87) Benzo(b)fluoranthene	15.05	252	75087	4.45	ng	98
88) Benzo(k)fluoranthene	15.05	252	75087	5.69	ng	97
89) Benzo(a)pyrene	15.41	252	39427	2.71	ng	# 97

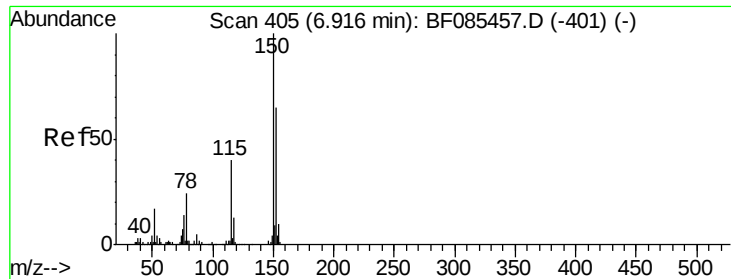
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 15 18:57:05 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.87 min Scan# 401

Delta R.T. -0.05 min

Lab File: BF085524.D

Acq: 18 Mar 2016 7:36

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-06(0.5-3.5)

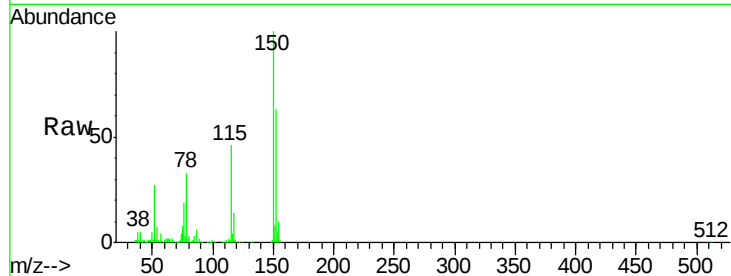
Tgt Ion:152 Resp: 125032

Ion Ratio Lower Upper

152 100

150 159.7 124.6 186.8

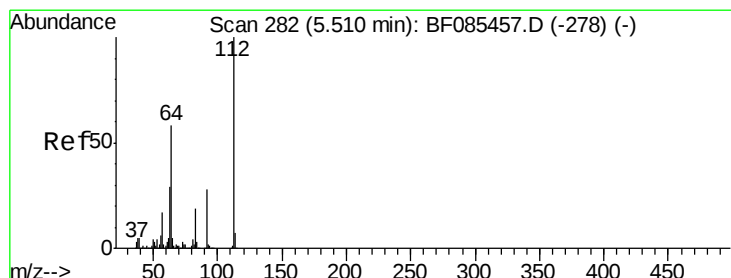
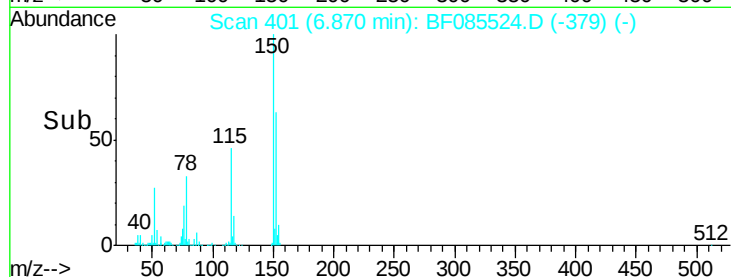
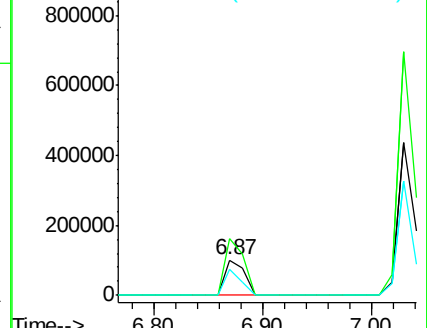
115 73.2 46.6 70.0#



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: 152.64 ng

RT: 5.48 min Scan# 279

Delta R.T. -0.03 min

Lab File: BF085524.D

Acq: 18 Mar 2016 7:36

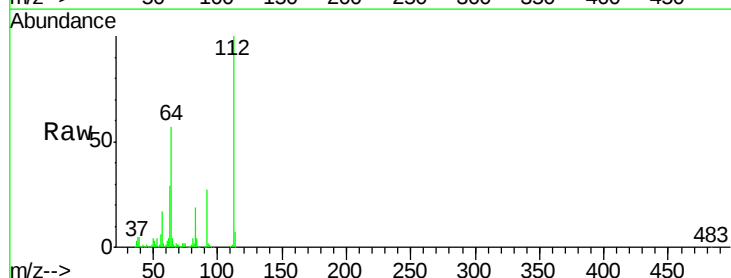
Tgt Ion:112 Resp: 1110266

Ion Ratio Lower Upper

112 100

64 57.4 49.0 73.4

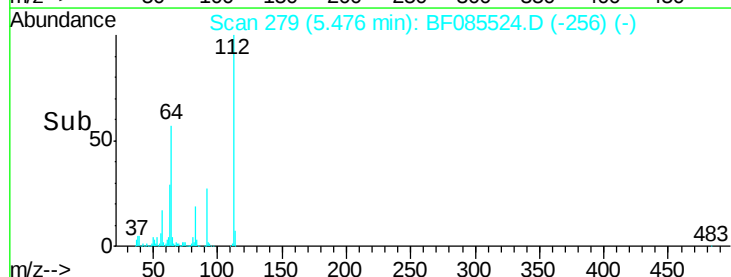
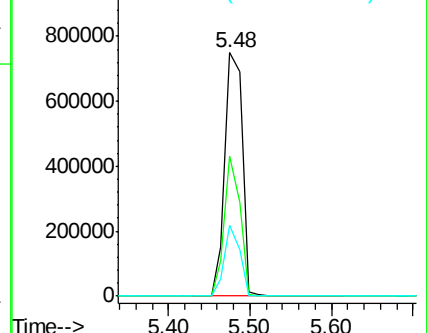
63 29.2 24.8 37.2

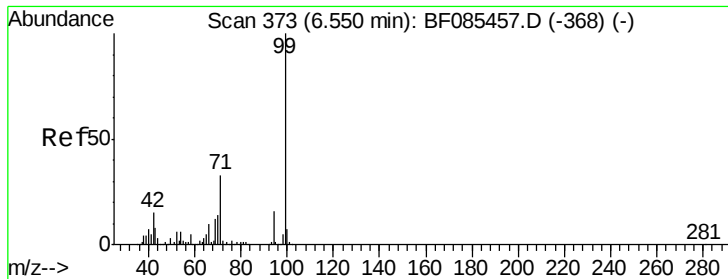


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 157.96 ng

RT: 6.52 min Scan# 370

Delta R.T. -0.03 min

Lab File: BF085524.D

Acq: 18 Mar 2016 7:36

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-06(0.5-3.5)

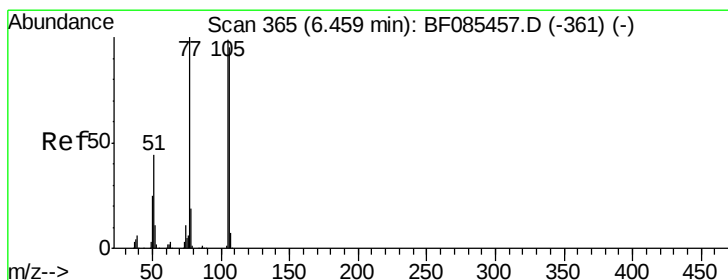
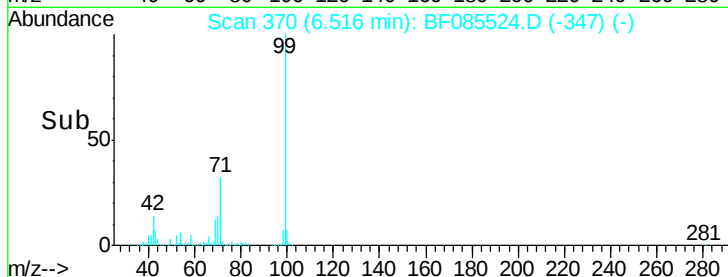
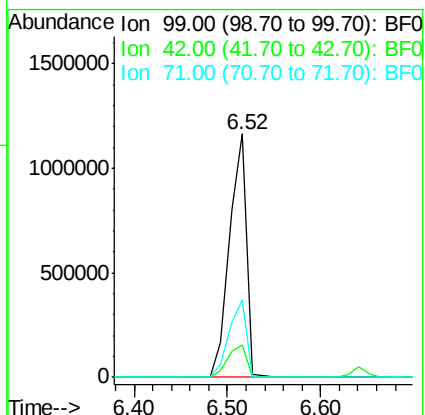
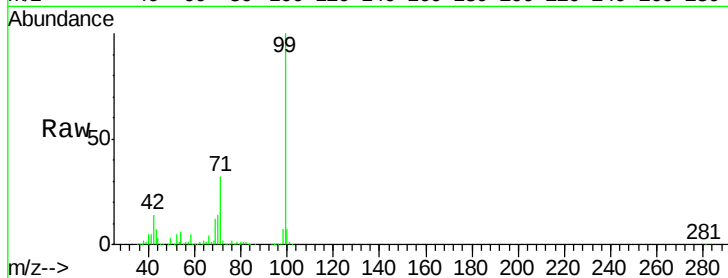
Tgt Ion: 99 Resp: 1490352

Ion Ratio Lower Upper

99 100

42 13.6 13.6 20.4#

71 31.8 26.7 40.1



#9

Benzaldehyde

Concen: 4.30 ng

RT: 6.64 min Scan# 381

Delta R.T. 0.18 min

Lab File: BF085524.D

Acq: 18 Mar 2016 7:36

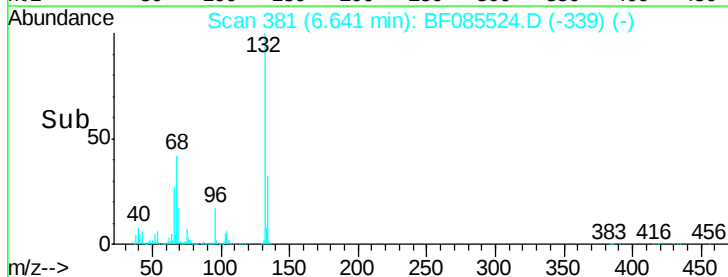
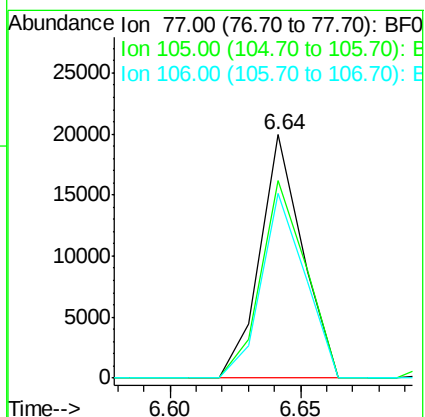
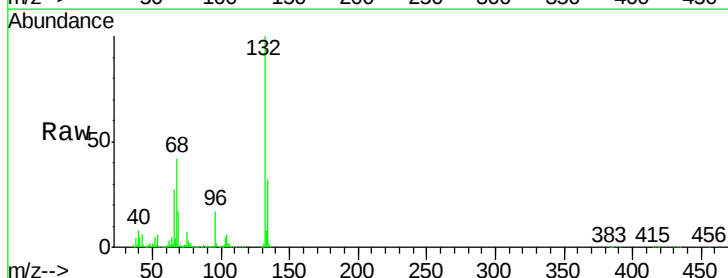
Tgt Ion: 77 Resp: 22677

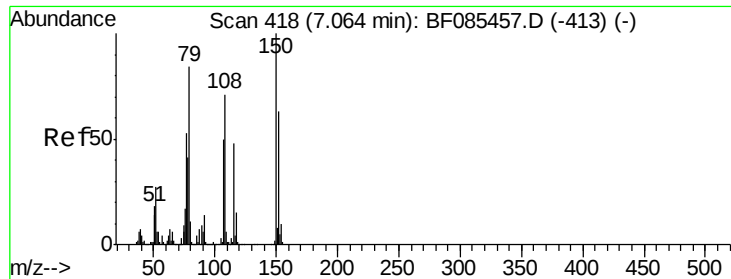
Ion Ratio Lower Upper

77 100

105 80.9 78.2 118.2

106 75.8 72.9 112.9





#15

Benzyl Alcohol

Concen: 2.07 ng

RT: 7.03 min Scan# 415

Delta R.T. -0.03 min

Lab File: BF085524.D

Acq: 18 Mar 2016 7:36

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-06(0.5-3.5)

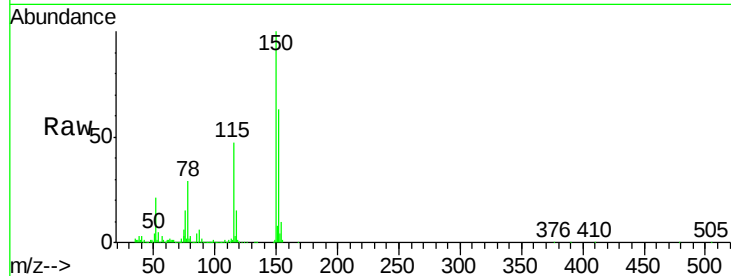
Tgt Ion: 79 Resp: 13981

Ion Ratio Lower Upper

79 100

108 31.1 62.9 94.3#

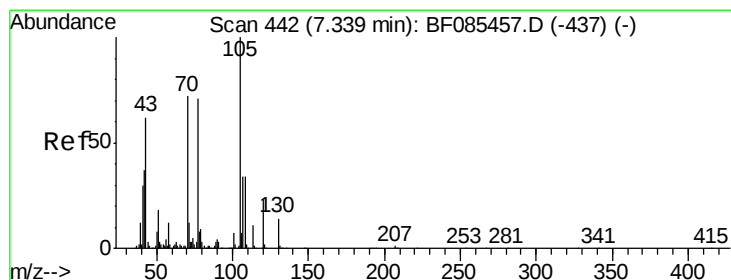
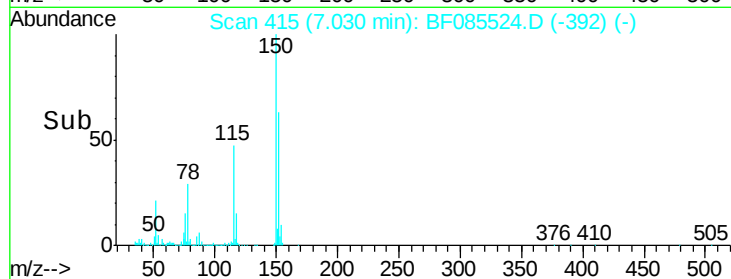
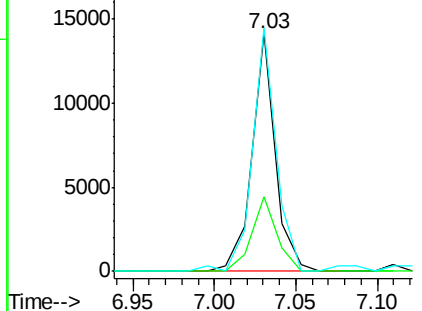
77 102.2 49.5 74.3#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 20.00 ng

RT: 7.44 min Scan# 451

Delta R.T. 0.10 min

Lab File: BF085524.D

Acq: 18 Mar 2016 7:36

Tgt Ion: 70 Resp: 112995

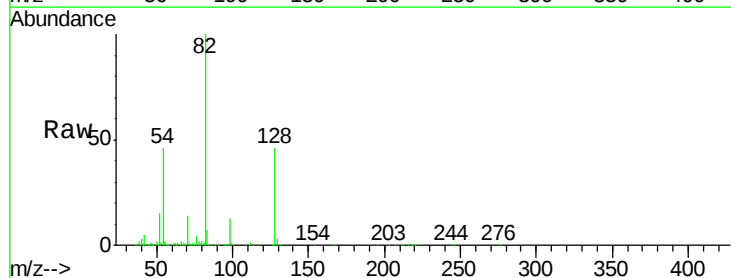
Ion Ratio Lower Upper

70 100

42 40.1 37.7 56.5

101 0.0 8.2 12.4#

130 2.3 20.5 30.7#

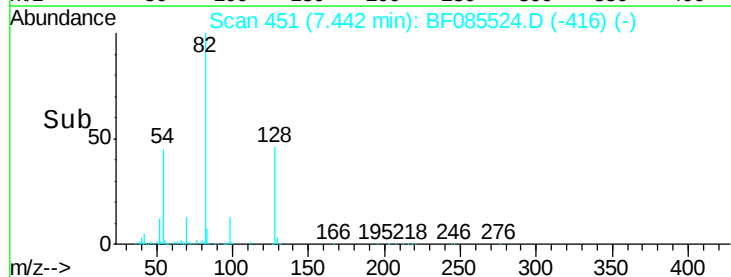
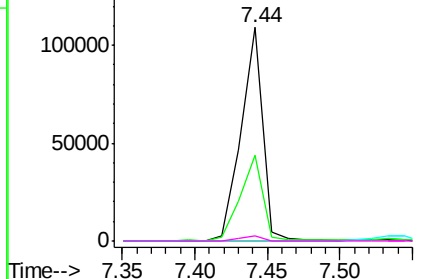


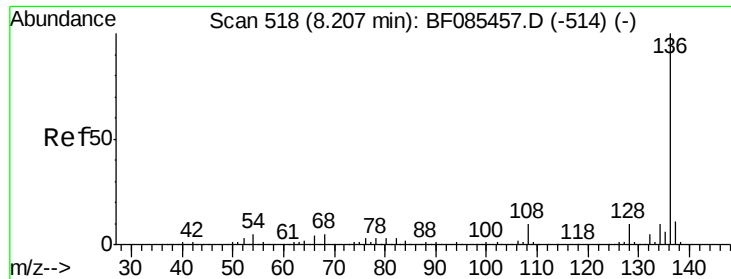
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

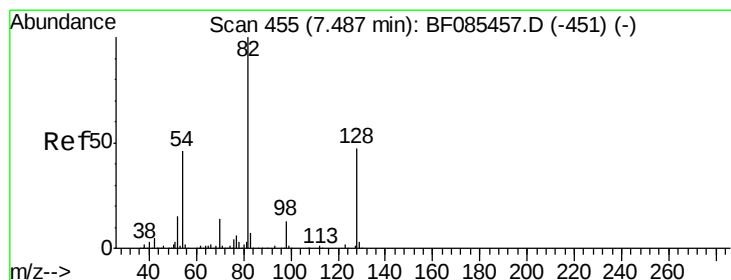
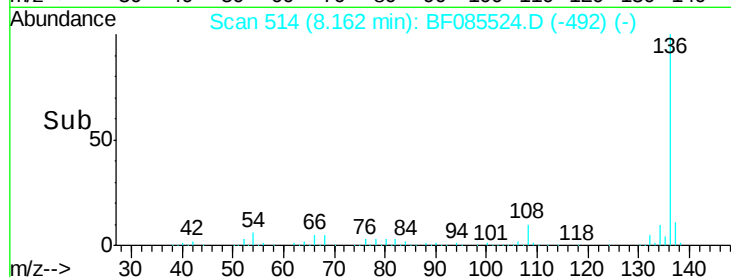
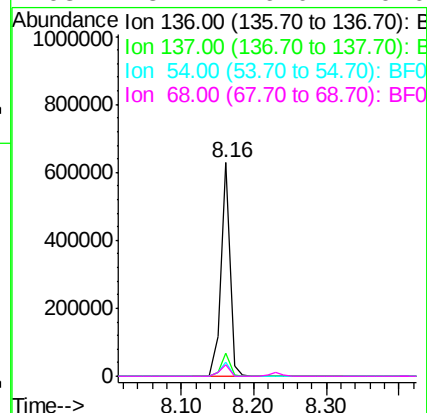
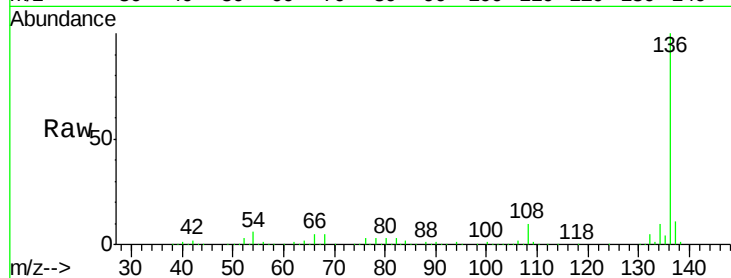




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 514
Delta R.T. -0.05 min
Lab File: BF085524.D
Acq: 18 Mar 2016 7:36

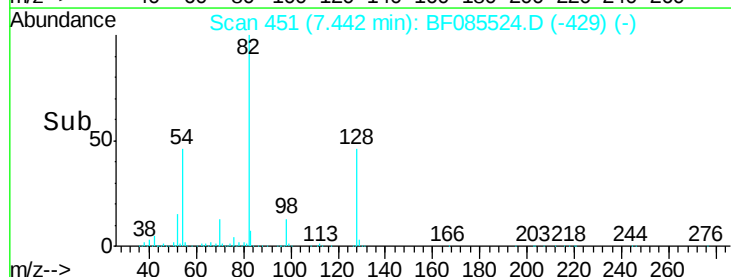
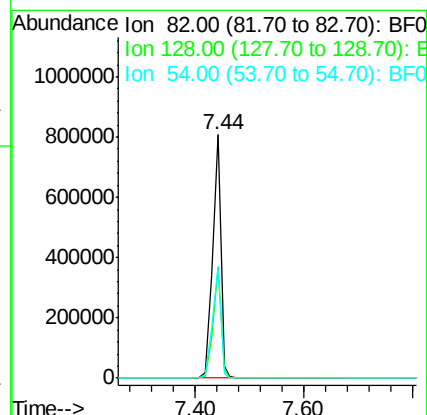
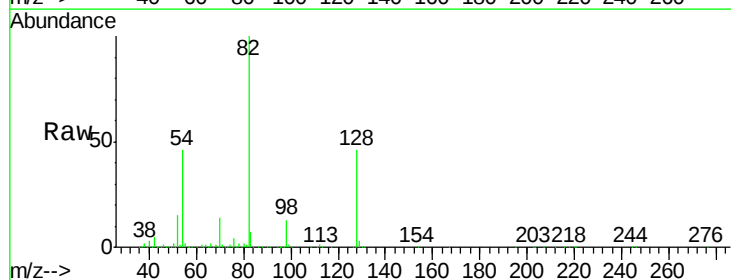
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-06(0.5-3.5)

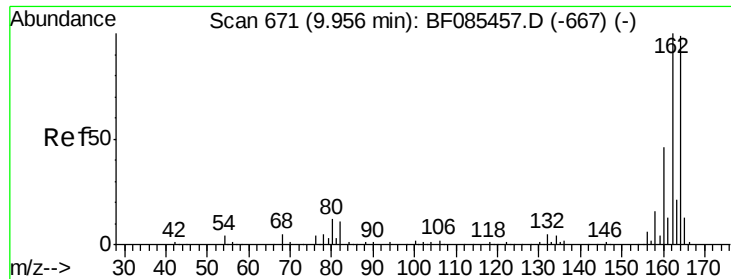
Tgt Ion:	136	Resp:	539431
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.3	13.9
54	6.5	7.4	11.2#
68	5.4	6.0	9.0#



#23
Nitrobenzene-d5
Concen: 92.16 ng
RT: 7.44 min Scan# 451
Delta R.T. -0.05 min
Lab File: BF085524.D
Acq: 18 Mar 2016 7:36

Tgt Ion:	82	Resp:	840835
Ion	Ratio	Lower	Upper
82	100		
128	45.6	34.5	51.7
54	45.7	39.3	58.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.91 min Scan# 667

Delta R.T. -0.05 min

Lab File: BF085524.D

Acq: 18 Mar 2016 7:36

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-06(0.5-3.5)

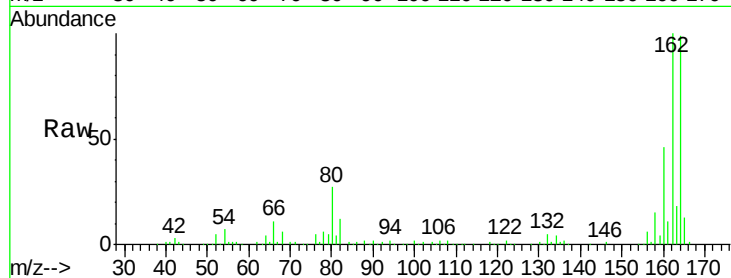
Tgt Ion:164 Resp: 224074

Ion Ratio Lower Upper

164 100

162 100.7 83.3 124.9

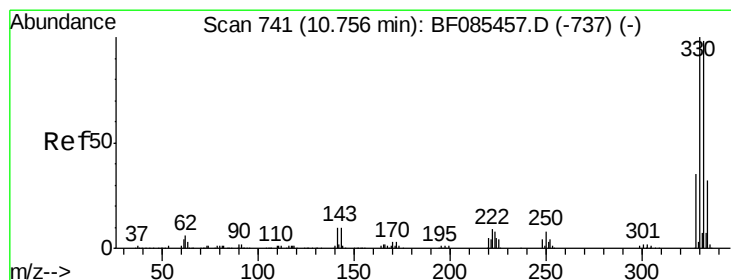
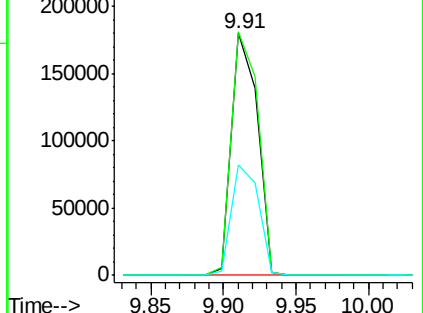
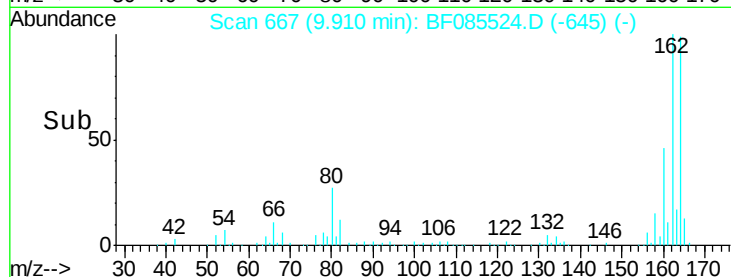
160 45.9 37.9 56.9



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: 164.43 ng

RT: 10.71 min Scan# 737

Delta R.T. -0.05 min

Lab File: BF085524.D

Acq: 18 Mar 2016 7:36

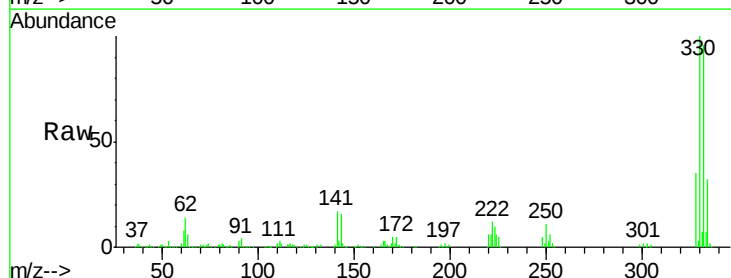
Tgt Ion:330 Resp: 339364

Ion Ratio Lower Upper

330 100

332 96.6 77.1 115.7

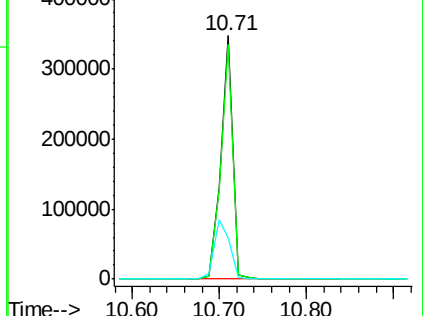
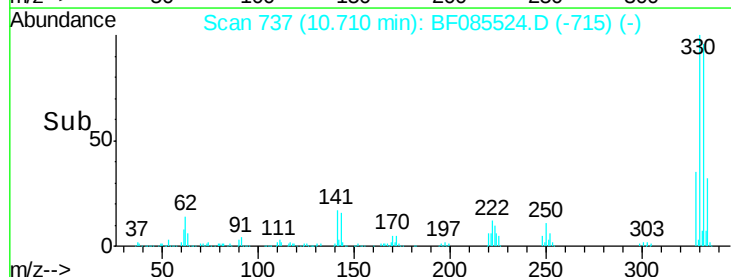
141 31.7 35.0 52.6#

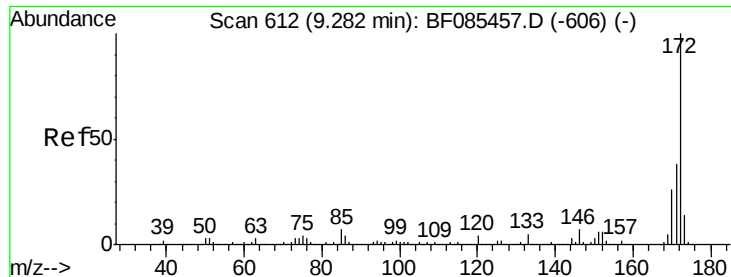


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

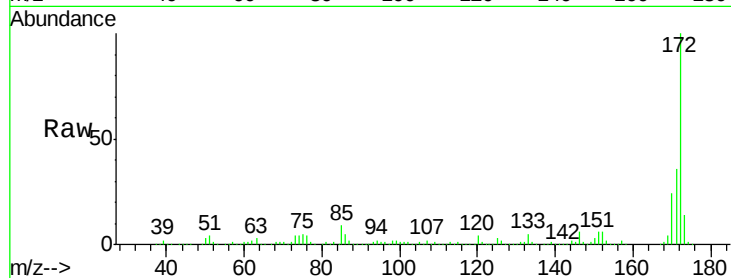




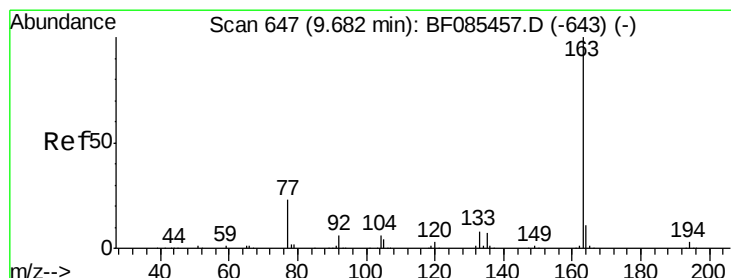
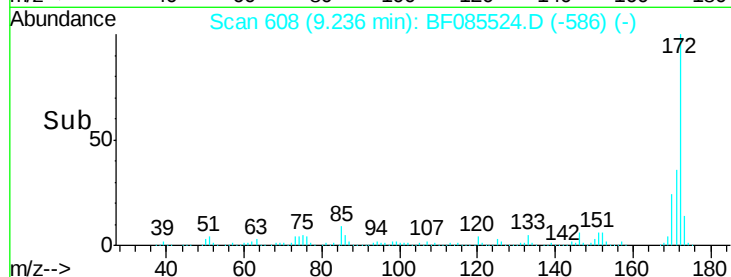
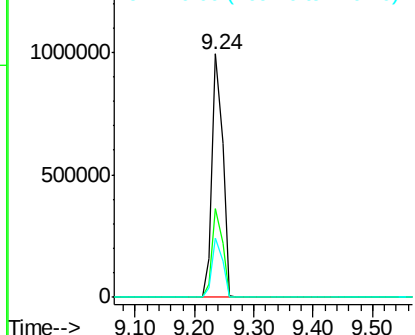
#44
 2-Fluorobiphenyl
 Concen: 95.56 ng
 RT: 9.24 min Scan# 608
 Delta R.T. -0.05 min
 Lab File: BF085524.D
 Acq: 18 Mar 2016 7:36

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-06(0.5-3.5)

Tgt Ion:172 Resp: 1234294
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.3 43.9
 170 24.5 20.0 30.0

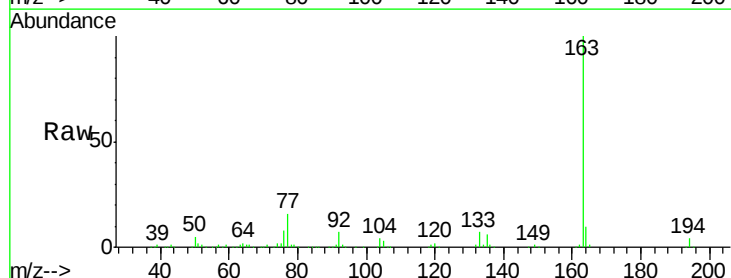


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

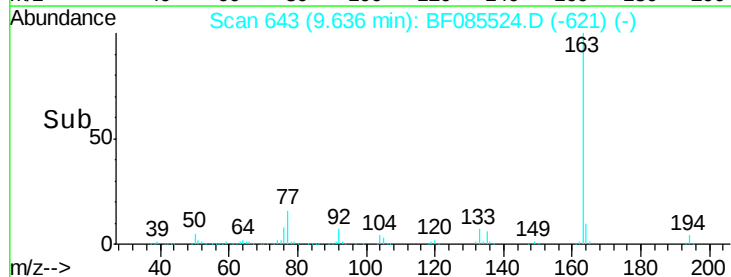
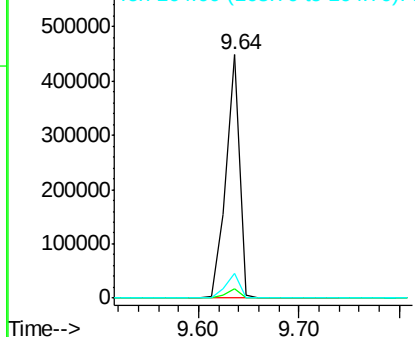


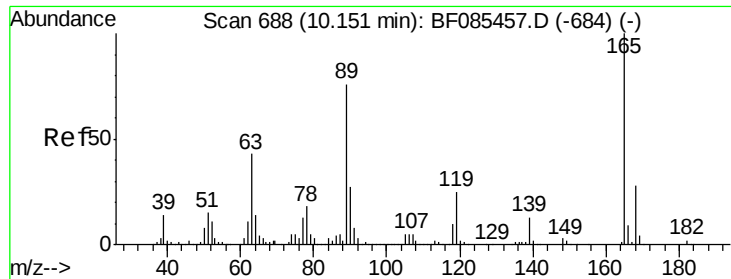
#49
 Dimethylphthalate
 Concen: 25.86 ng
 RT: 9.64 min Scan# 643
 Delta R.T. -0.05 min
 Lab File: BF085524.D
 Acq: 18 Mar 2016 7:36

Tgt Ion:163 Resp: 422823
 Ion Ratio Lower Upper
 163 100
 194 3.7 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

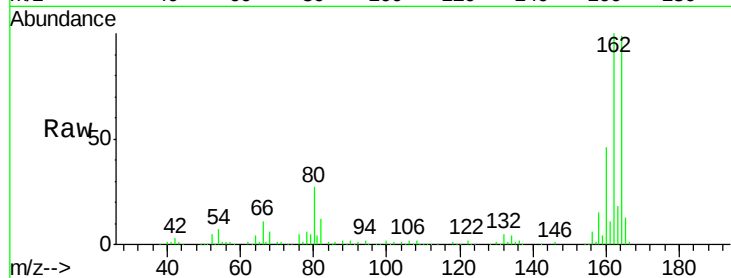




#56
 2,4-Dinitrotoluene
 Concen: 6.37 ng
 RT: 9.91 min Scan# 667
 Delta R.T. -0.24 min
 Lab File: BF085524.D
 Acq: 18 Mar 2016 7:36

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-06(0.5-3.5)

Tgt Ion:	165	Resp:	28878
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#

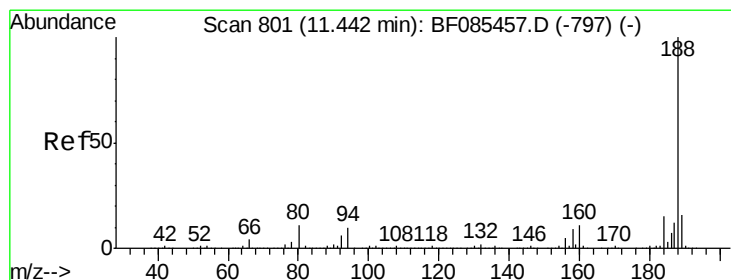
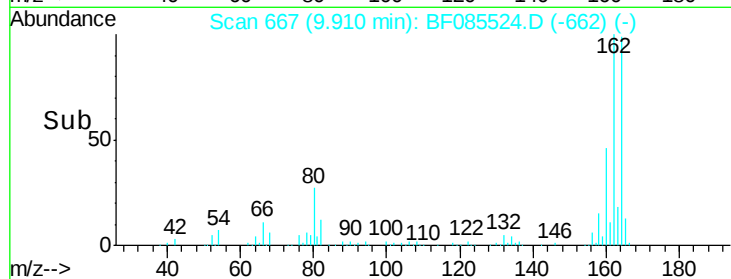
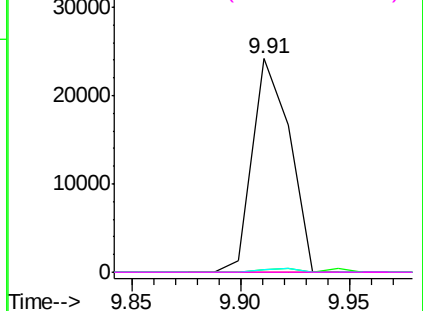


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

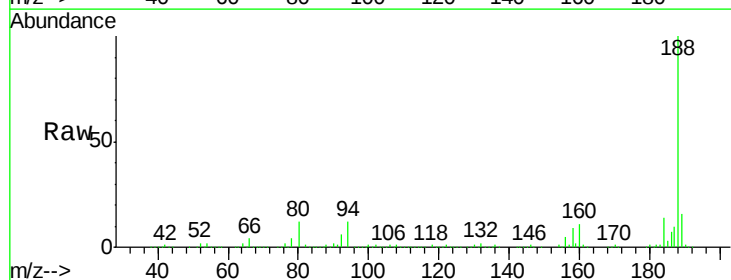
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 797
 Delta R.T. -0.05 min
 Lab File: BF085524.D
 Acq: 18 Mar 2016 7:36

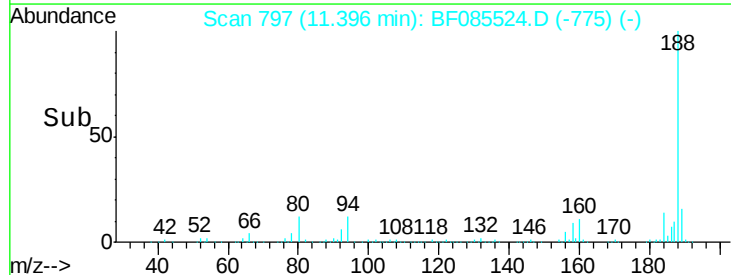
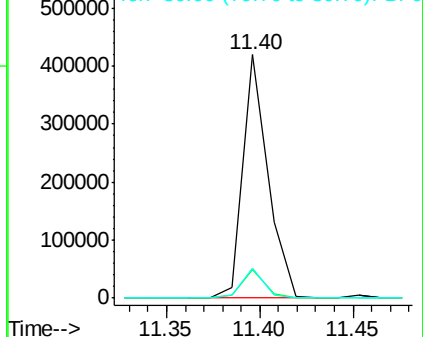
Tgt Ion:	188	Resp:	395781
Ion Ratio	Lower	Upper	
188	100		
94	12.0	7.0	10.6#
80	12.4	7.4	11.0#

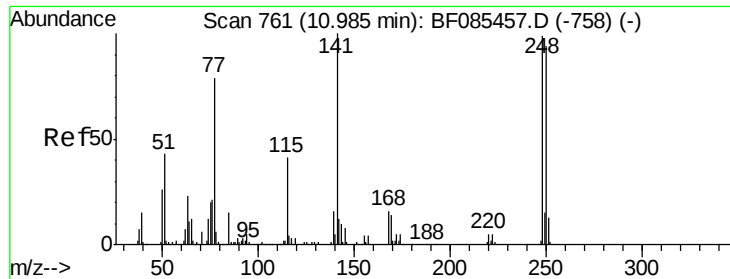


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

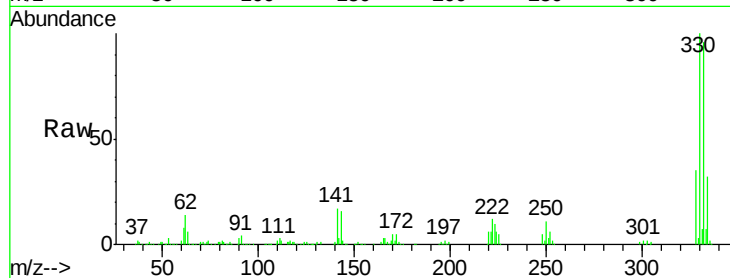




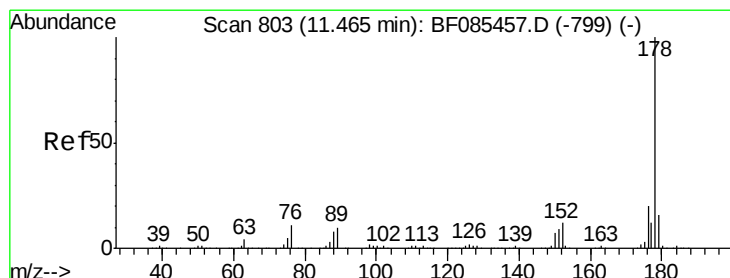
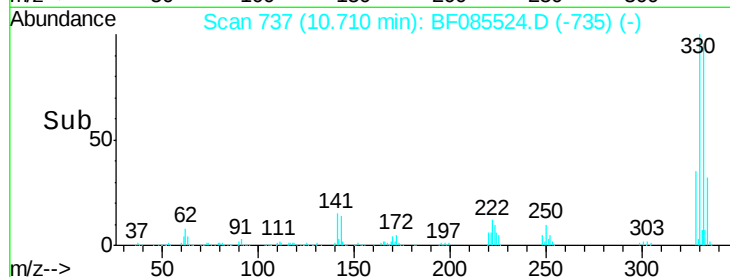
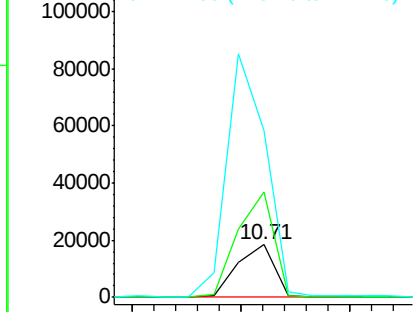
#66
4-Bromophenyl-phenylether
Concen: 5.41 ng
RT: 10.71 min Scan# 737
Delta R.T. -0.27 min
Lab File: BF085524.D
Acq: 18 Mar 2016 7:36

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-06(0.5-3.5)

Tgt Ion:248 Resp: 21664
Ion Ratio Lower Upper
248 100
250 201.3 77.1 115.7#
141 318.6 66.2 99.2#

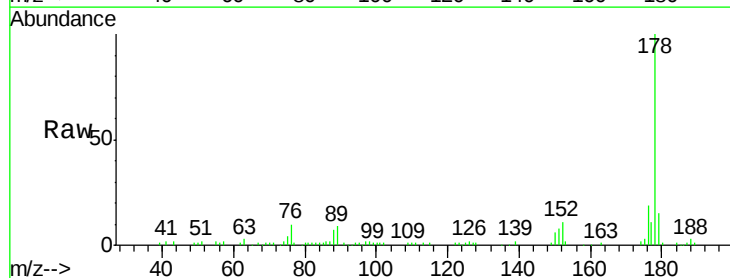


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

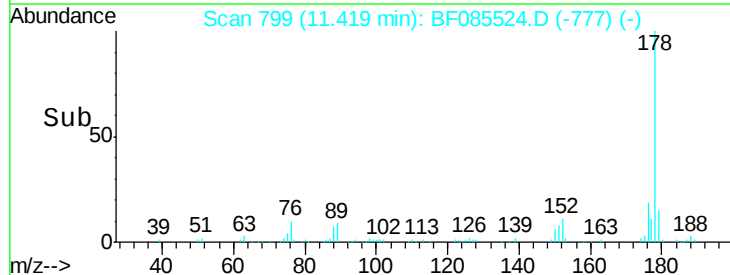
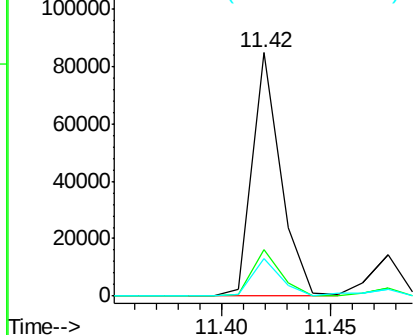


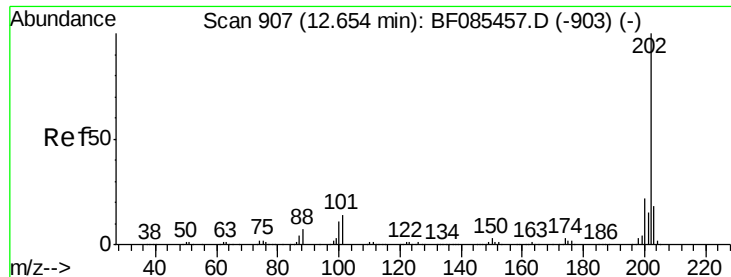
#70
Phenanthrene
Concen: 3.74 ng
RT: 11.42 min Scan# 799
Delta R.T. -0.05 min
Lab File: BF085524.D
Acq: 18 Mar 2016 7:36

Tgt Ion:178 Resp: 77164
Ion Ratio Lower Upper
178 100
176 19.1 16.8 25.2
179 15.2 13.1 19.7



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





#74

Fluoranthene

Concen: 5.76 ng

RT: 12.61 min Scan# 903

Delta R.T. -0.05 min

Lab File: BF085524.D

Acq: 18 Mar 2016 7:36

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-06(0.5-3.5)

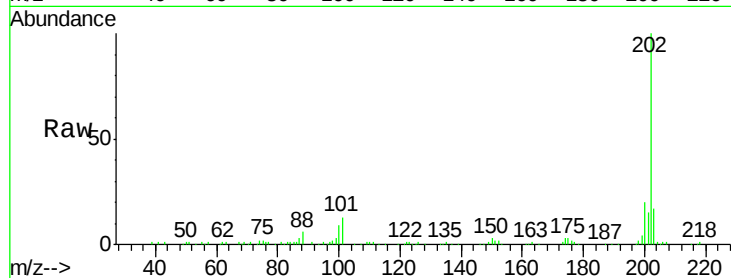
Tgt Ion:202 Resp: 111673

Ion Ratio Lower Upper

202 100

101 12.5 0.0 31.8

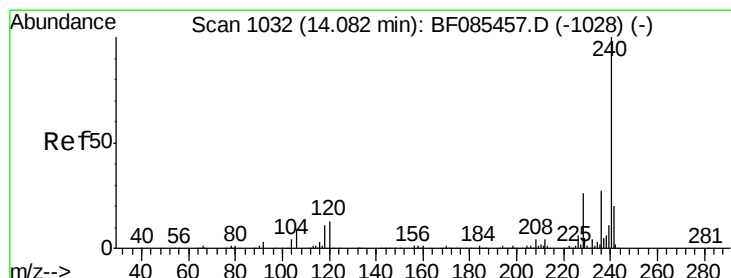
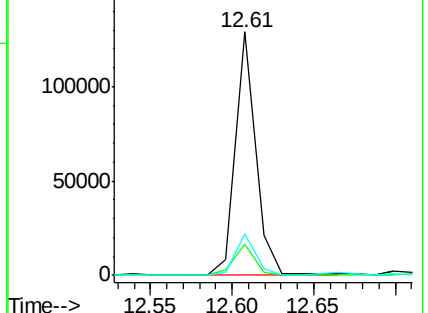
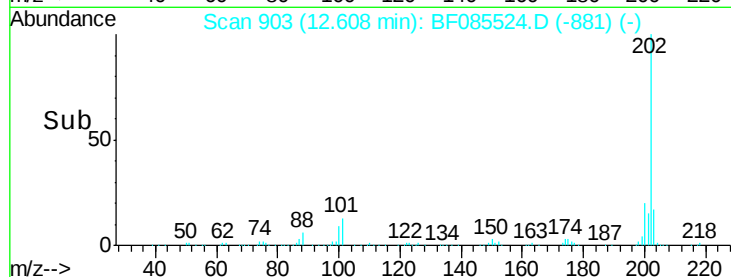
203 17.0 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1028

Delta R.T. -0.05 min

Lab File: BF085524.D

Acq: 18 Mar 2016 7:36

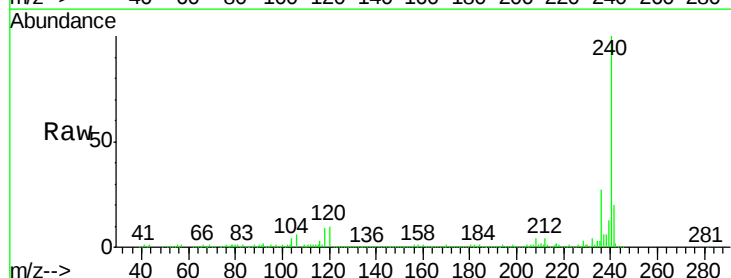
Tgt Ion:240 Resp: 284406

Ion Ratio Lower Upper

240 100

120 9.8 5.3 7.9#

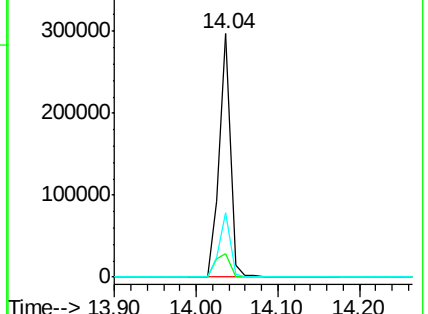
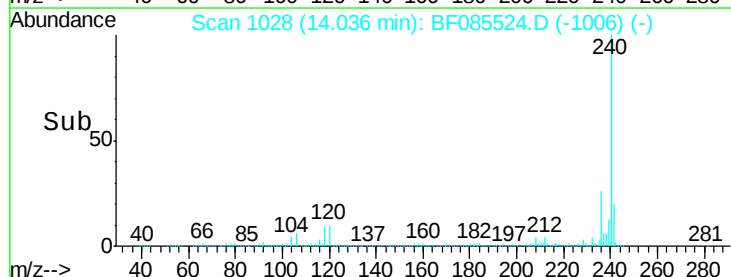
236 26.5 20.7 31.1

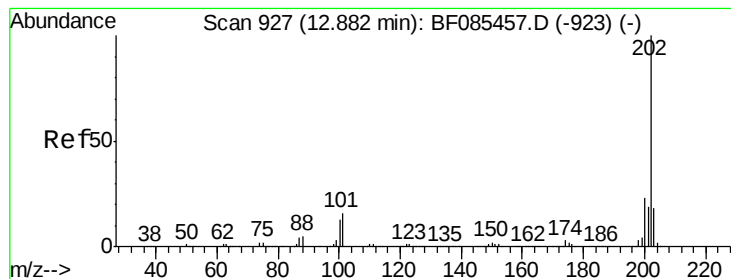


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 4.65 ng

RT: 12.84 min Scan# 923

Delta R.T. -0.05 min

Lab File: BF085524.D

Acq: 18 Mar 2016 7:36

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-06(0.5-3.5)

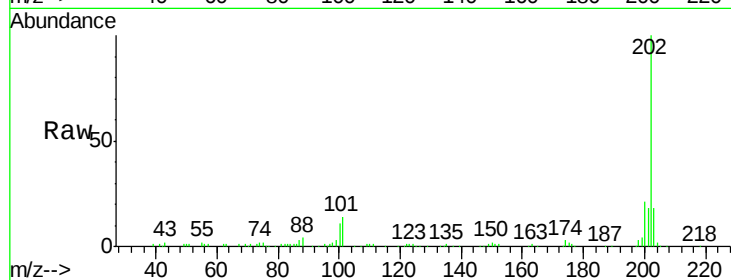
Tgt Ion: 202 Resp: 99276

Ion Ratio Lower Upper

202 100

200 21.0 18.2 27.4

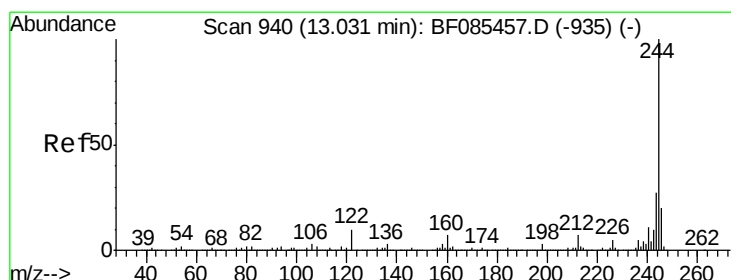
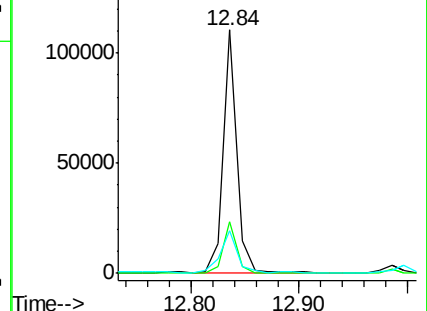
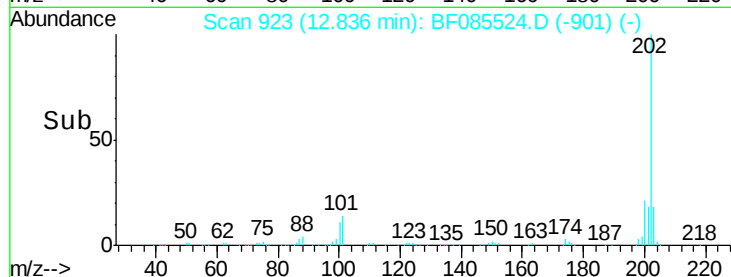
203 17.8 14.7 22.1



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: 74.49 ng

RT: 12.98 min Scan# 936

Delta R.T. -0.05 min

Lab File: BF085524.D

Acq: 18 Mar 2016 7:36

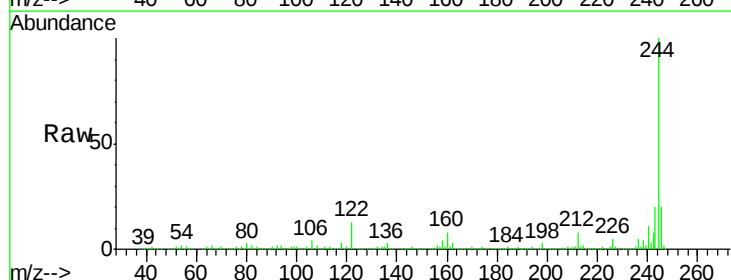
Tgt Ion: 244 Resp: 936560

Ion Ratio Lower Upper

244 100

212 7.5 6.4 9.6

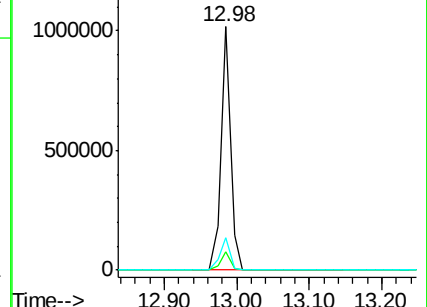
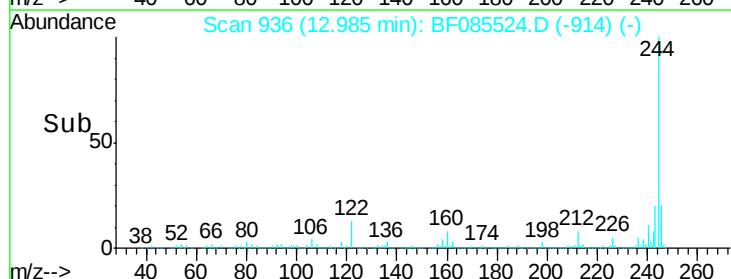
122 13.1 11.4 17.2

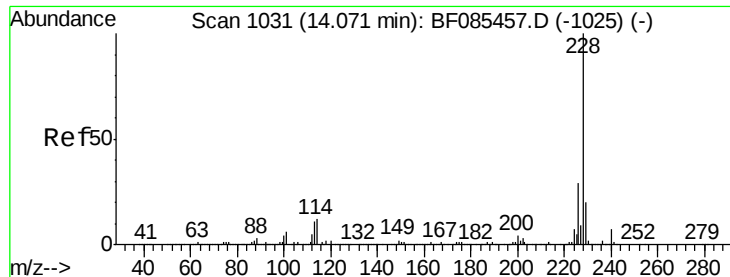


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.60 ng

RT: 14.03 min Scan# 1027

Delta R.T. -0.05 min

Lab File: BF085524.D

Acq: 18 Mar 2016 7:36

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-06(0.5-3.5)

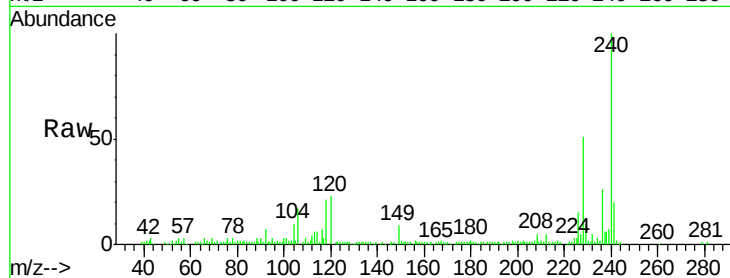
Tgt Ion:228 Resp: 58768

Ion Ratio Lower Upper

228 100

226 29.3 22.8 34.2

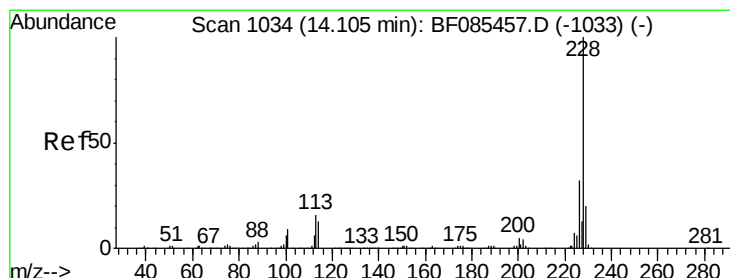
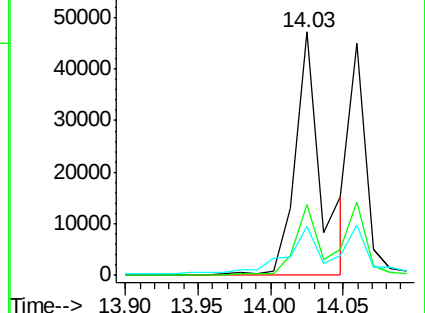
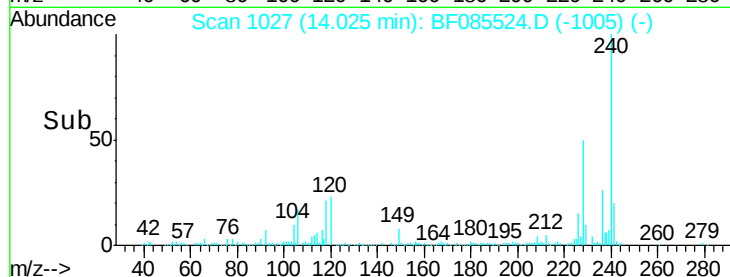
229 20.2 16.6 24.8



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: 4.01 ng

RT: 14.03 min Scan# 1027

Delta R.T. -0.08 min

Lab File: BF085524.D

Acq: 18 Mar 2016 7:36

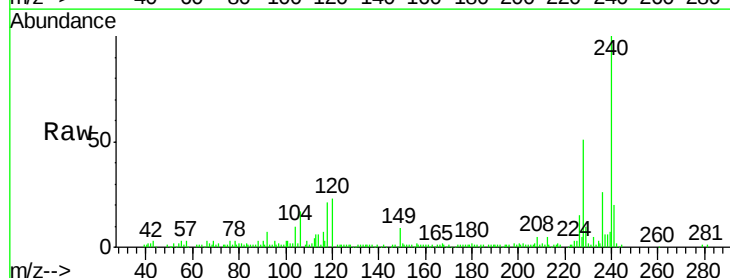
Tgt Ion:228 Resp: 58768

Ion Ratio Lower Upper

228 100

226 29.3 25.2 37.8

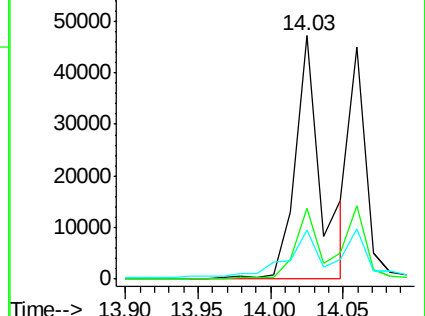
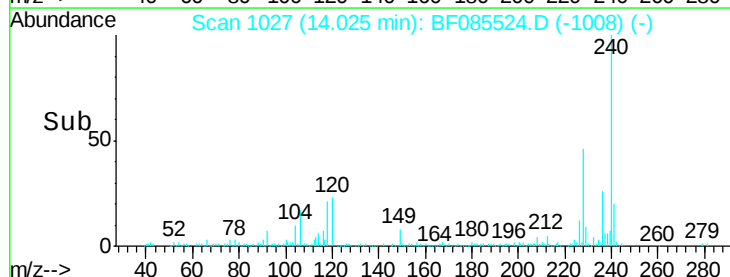
229 20.2 16.0 24.0

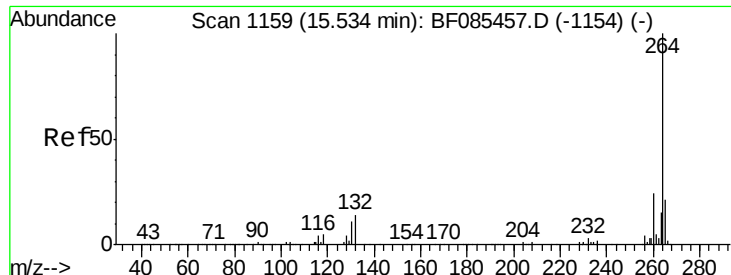


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

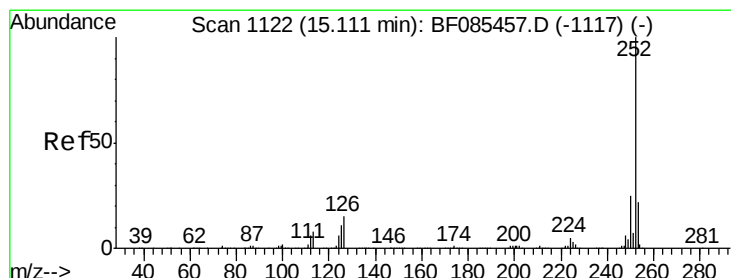
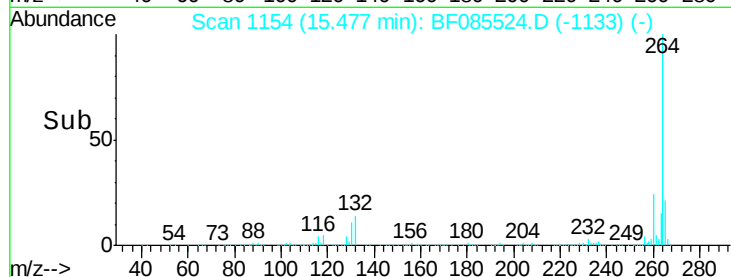
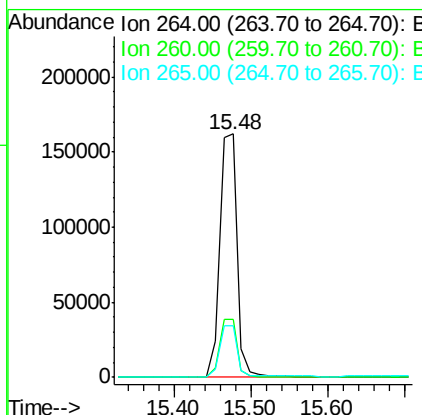
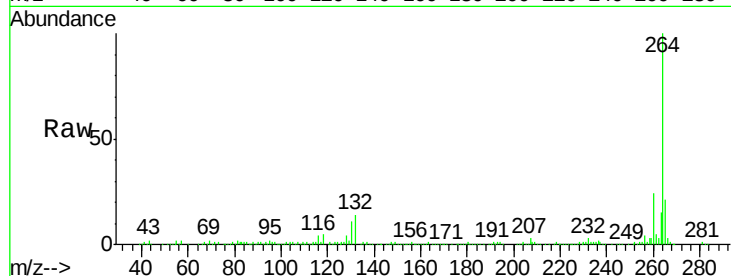




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1154
Delta R.T. -0.06 min
Lab File: BF085524.D
Acq: 18 Mar 2016 7:36

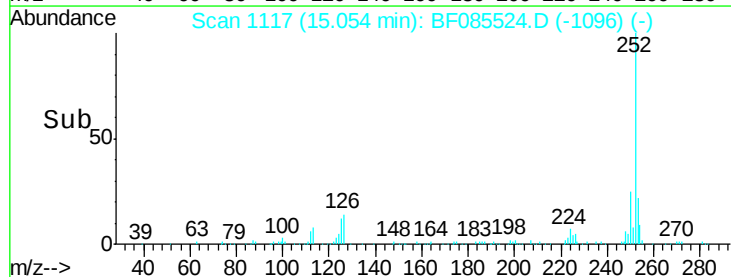
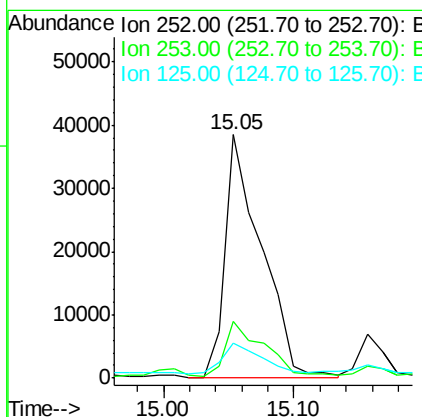
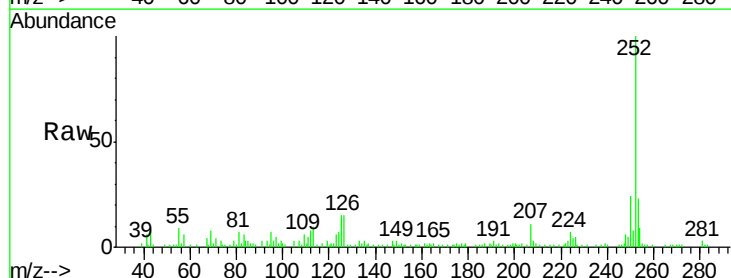
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-06(0.5-3.5)

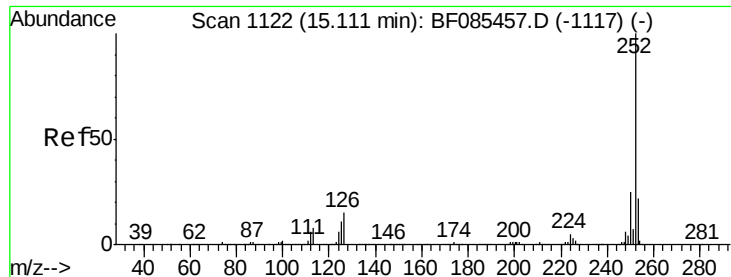
Tgt Ion: 264 Resp: 258101
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 21.2 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 4.45 ng
RT: 15.05 min Scan# 1117
Delta R.T. -0.06 min
Lab File: BF085524.D
Acq: 18 Mar 2016 7:36

Tgt Ion: 252 Resp: 75087
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 14.5 11.3 16.9

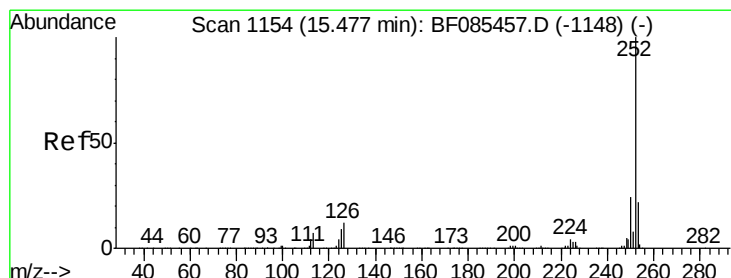
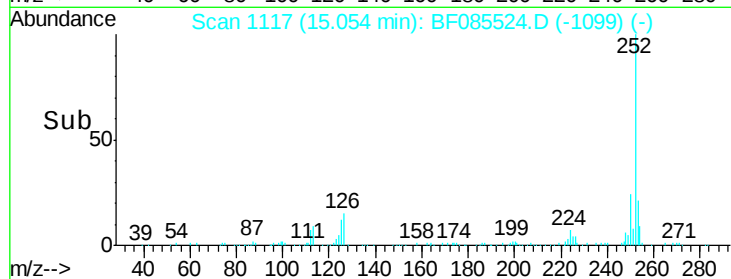
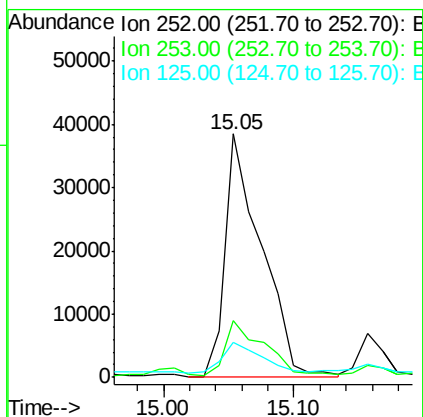
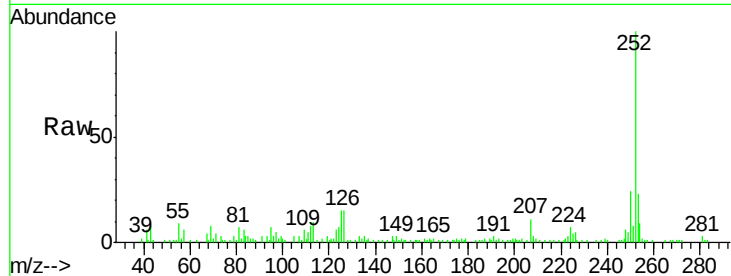




#88
Benzo(k)fluoranthene
Concen: 5.69 ng
RT: 15.05 min Scan# 1117
Delta R.T. -0.09 min
Lab File: BF085524.D
Acq: 18 Mar 2016 7:36

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-06(0.5-3.5)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	14.5	10.4	15.6



#89
Benzo(a)pyrene
Concen: 2.71 ng
RT: 15.41 min Scan# 1148
Delta R.T. -0.07 min
Lab File: BF085524.D
Acq: 18 Mar 2016 7:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.0
125	13.0	8.2	12.4#

