

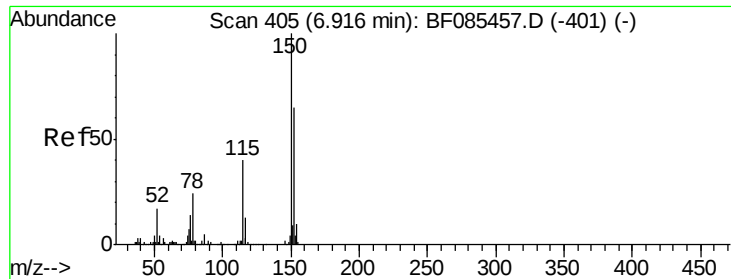
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031716\
 Data File : BF085501.D
 Acq On : 17 Mar 2016 19:54
 Operator : UM/SJ
 Sample : H1792-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2RE

Quant Time: Mar 18 00:46:48 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	119364	20.00	ng	-0.05
21) Naphthalene-d8	8.16	136	508021	20.00	ng	-0.05
38) Acenaphthene-d10	9.91	164	217398	20.00	ng	-0.05
63) Phenanthrene-d10	11.40	188	405005	20.00	ng	-0.05
75) Chrysene-d12	14.04	240	271881	20.00	ng	-0.05
86) Perylene-d12	15.47	264	227110	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	932614	134.31	ng	-0.03
7) Phenol-d6	6.50	99	1250024	138.78	ng	-0.05
23) Nitrobenzene-d5	7.44	82	825950	96.13	ng	-0.05
41) 2,4,6-Tribromophenol	10.71	330	328490	164.05	ng	-0.05
44) 2-Fluorobiphenyl	9.24	172	1180906	94.24	ng	-0.05
78) Terphenyl-d14	12.98	244	1024778	85.27	ng	-0.05
Target Compounds						Qvalue
9) Benzaldehyde	6.64	77	22265	4.43	ng	82
15) Benzyl Alcohol	7.03	79	14886	2.31	ng	# 47
19) n-Nitroso-di-n-propylamine	7.44	70	110962	20.57	ng	# 77
49) Dimethylphthalate	9.64	163	266658	16.81	ng	99
53) 2,4-Dinitrophenol	9.96	184	963	7.33	ng	# 64
66) 4-Bromophenyl-phenylether	10.71	248	22531	5.50	ng	# 1
70) Phenanthrene	11.42	178	62896	2.98	ng	97
74) Fluoranthene	12.61	202	113511	5.72	ng	99
77) Pyrene	12.84	202	96389	4.73	ng	97
80) Benzo(a)anthracene	14.03	228	36817	2.36	ng	97
82) Chrysene	14.03	228	36817	2.63	ng	96
87) Benzo(b)fluoranthene	15.05	252	58631	3.95	ng	96
88) Benzo(k)fluoranthene	15.05	252	58631	5.05	ng	# 95
89) Benzo(a)pyrene	15.41	252	27483	2.14	ng	# 94

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

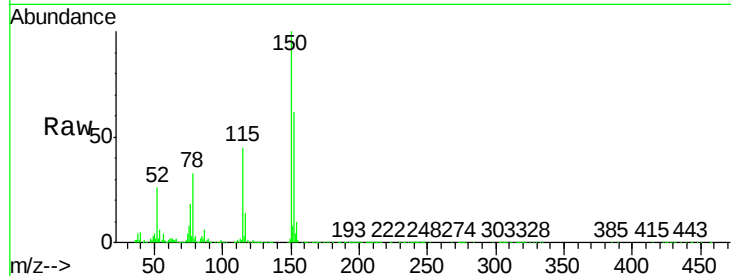


#1

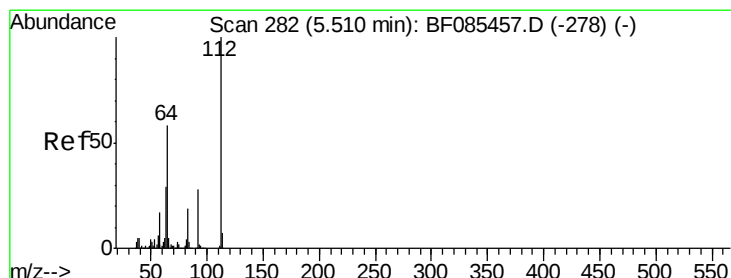
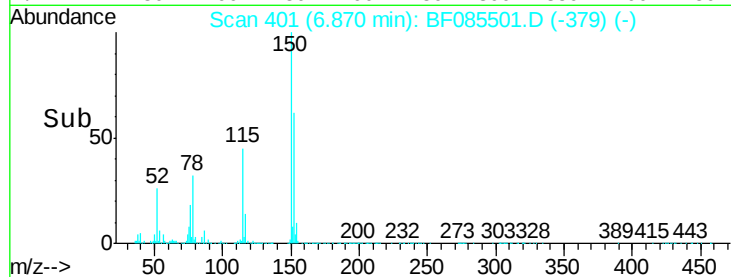
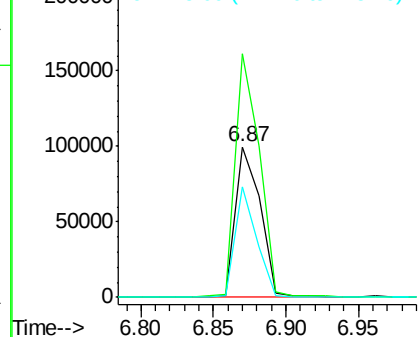
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 401
Delta R.T. -0.05 min
Lab File: BF085501.D
Acq: 17 Mar 2016 19:54

Instrument :
BNA_F
ClientSampleId :
SP-2RE

Tgt Ion:152 Resp: 119364
Ion Ratio Lower Upper
152 100
150 161.9 124.6 186.8
115 73.7 46.6 70.0#



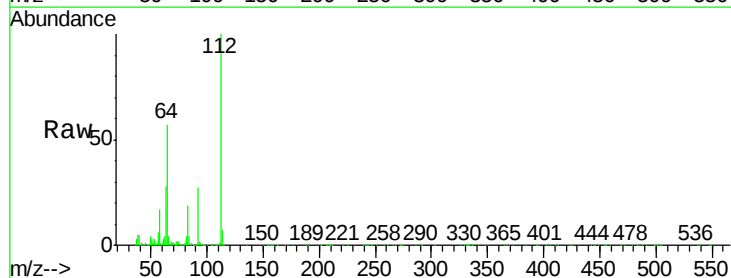
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



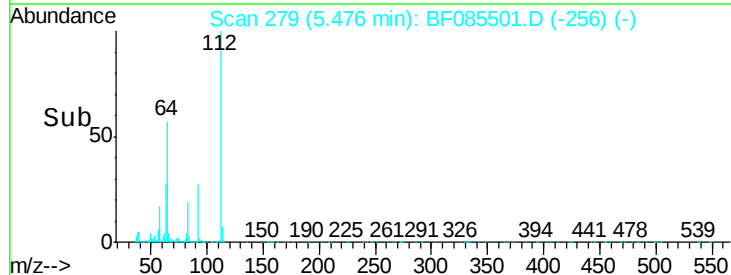
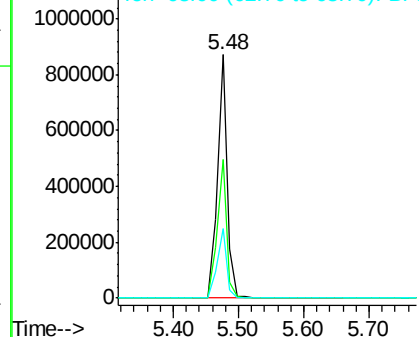
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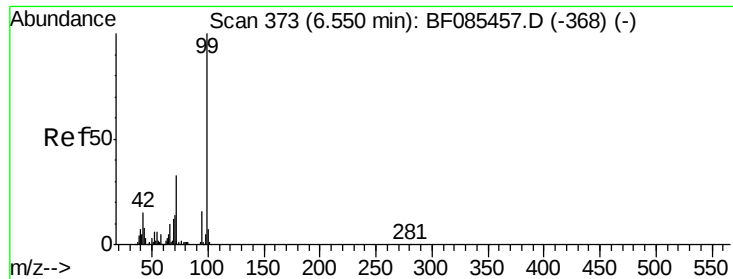
2-Fluorophenol
Concen: 134.31 ng
RT: 5.48 min Scan# 279
Delta R.T. -0.03 min
Lab File: BF085501.D
Acq: 17 Mar 2016 19:54

Tgt Ion:112 Resp: 932614
Ion Ratio Lower Upper
112 100
64 56.9 49.0 73.4
63 28.4 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: 138.78 ng

RT: 6.50 min Scan# 369

Delta R.T. -0.05 min

Lab File: BF085501.D

Acq: 17 Mar 2016 19:54

Instrument :

BNA_F

ClientSampleId :

SP-2RE

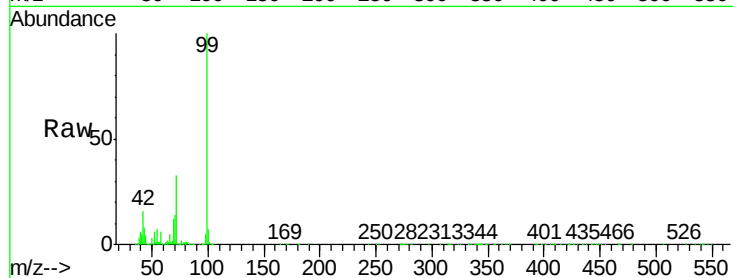
Tgt Ion: 99 Resp: 1250024

Ion Ratio Lower Upper

99 100

42 15.8 13.6 20.4

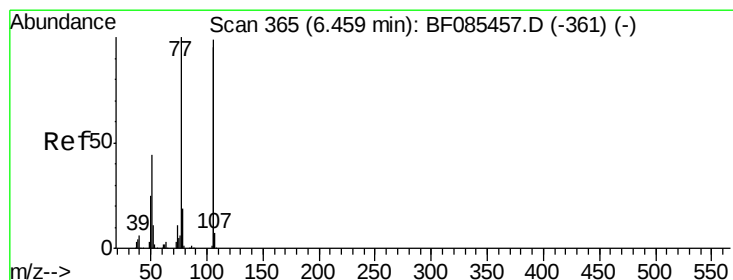
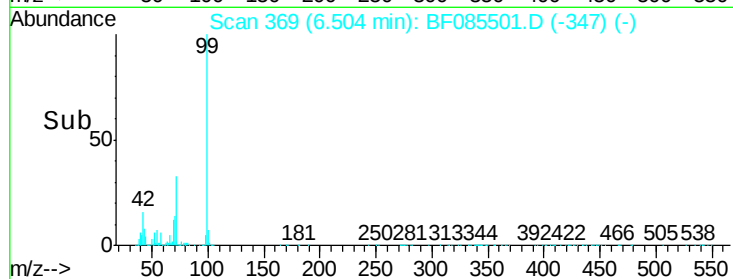
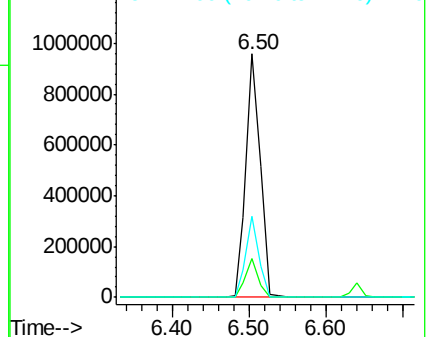
71 33.3 26.7 40.1



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: 4.43 ng

RT: 6.64 min Scan# 381

Delta R.T. 0.18 min

Lab File: BF085501.D

Acq: 17 Mar 2016 19:54

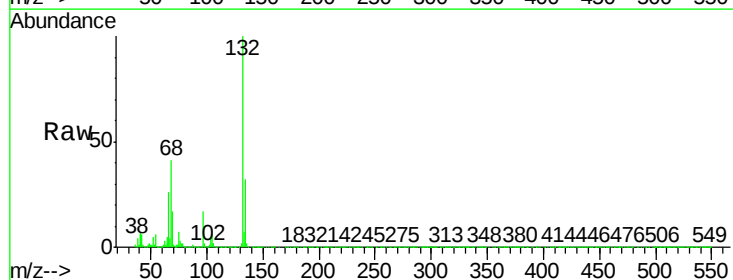
Tgt Ion: 77 Resp: 22265

Ion Ratio Lower Upper

77 100

105 80.2 78.2 118.2

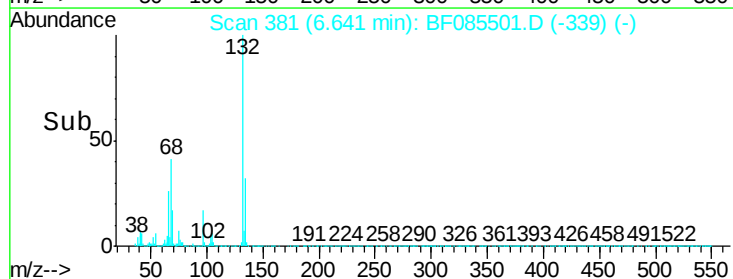
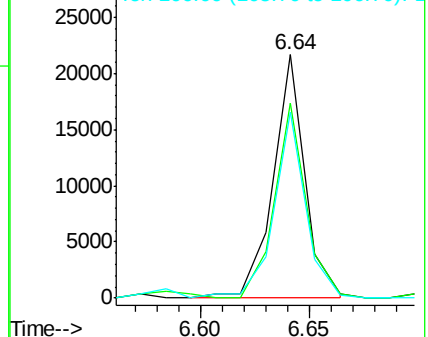
106 76.2 72.9 112.9

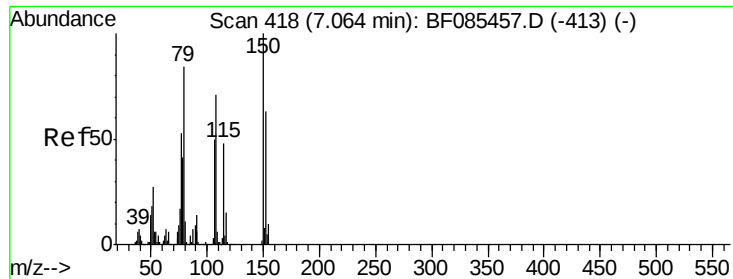


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#15

Benzyl Alcohol

Concen: 2.31 ng

RT: 7.03 min Scan# 415

Delta R.T. -0.03 min

Lab File: BF085501.D

Acq: 17 Mar 2016 19:54

Instrument :

BNA_F

ClientSampleId :

SP-2RE

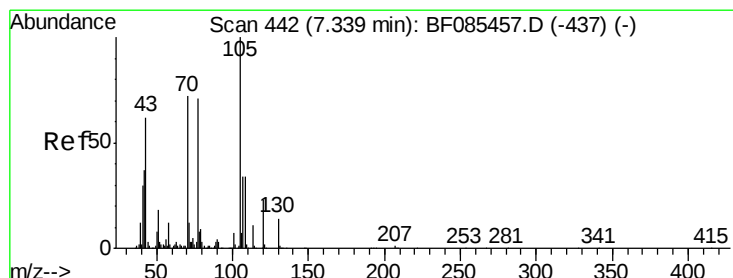
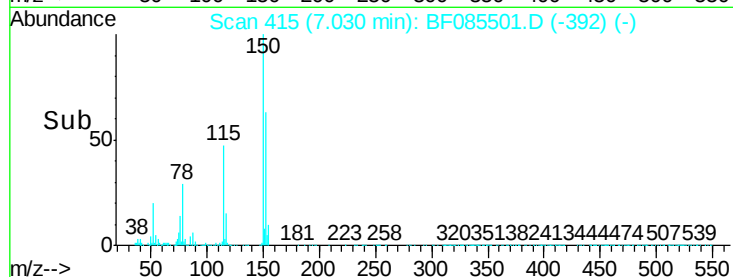
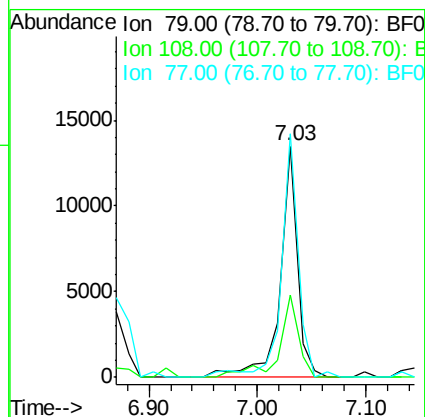
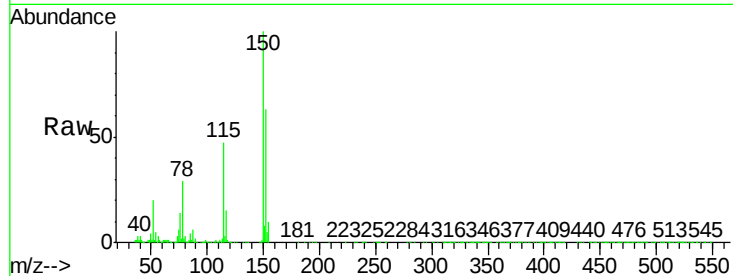
Tgt Ion: 79 Resp: 14886

Ion Ratio Lower Upper

79 100

108 35.5 62.9 94.3#

77 105.4 49.5 74.3#



#19

n-Nitroso-di-n-propylamine

Concen: 20.57 ng

RT: 7.44 min Scan# 451

Delta R.T. 0.10 min

Lab File: BF085501.D

Acq: 17 Mar 2016 19:54

Tgt Ion: 70 Resp: 110962

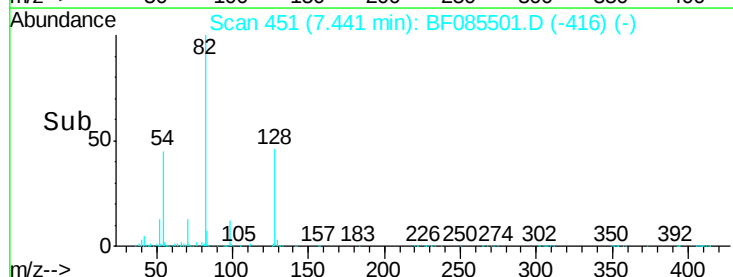
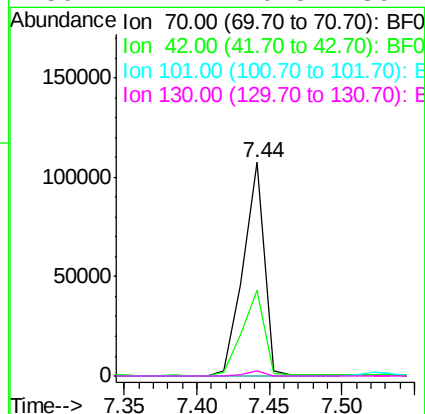
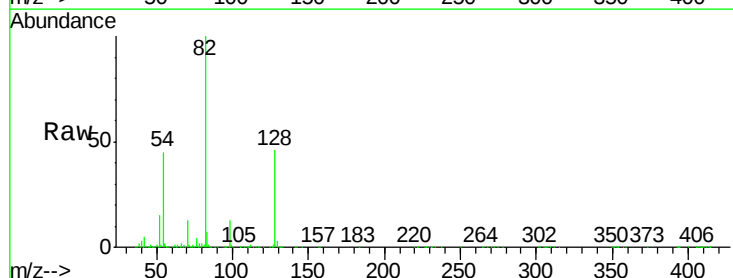
Ion Ratio Lower Upper

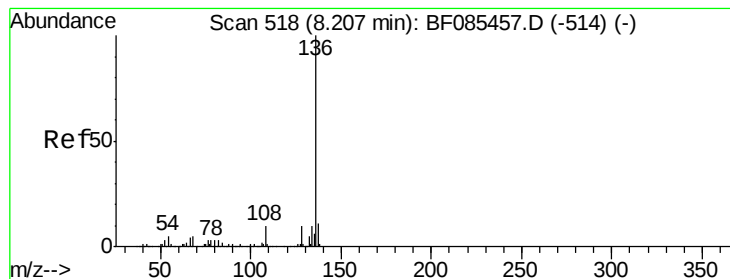
70 100

42 40.2 37.7 56.5

101 0.0 8.2 12.4#

130 2.4 20.5 30.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 514

Delta R.T. -0.05 min

Lab File: BF085501.D

Acq: 17 Mar 2016 19:54

Instrument :

BNA_F

ClientSampleId :

SP-2RE

Tgt Ion: 136 Resp: 508021

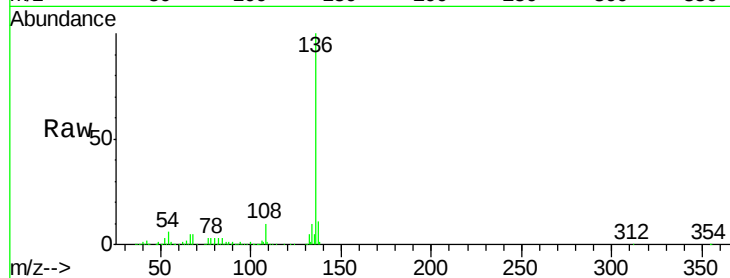
Ion Ratio Lower Upper

136 100

137 11.0 9.3 13.9

54 6.4 7.4 11.2#

68 5.4 6.0 9.0#

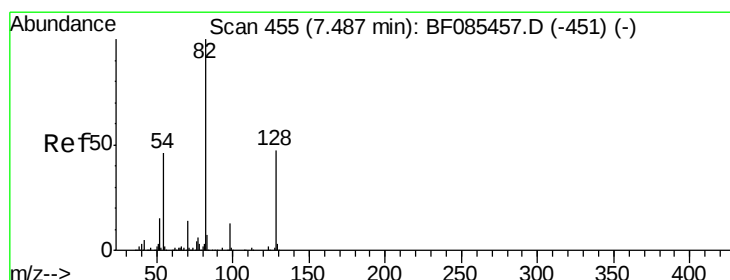
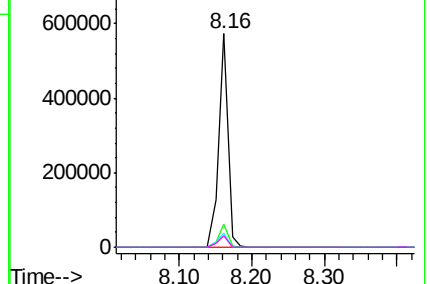
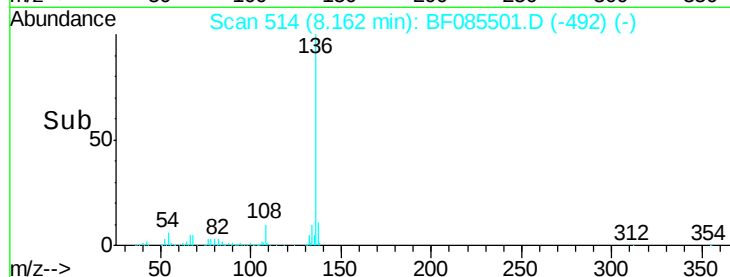


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.13 ng

RT: 7.44 min Scan# 451

Delta R.T. -0.05 min

Lab File: BF085501.D

Acq: 17 Mar 2016 19:54

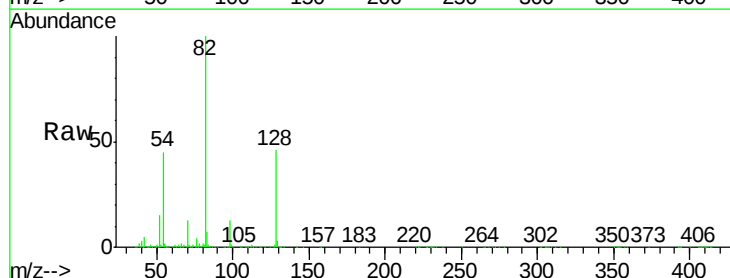
Tgt Ion: 82 Resp: 825950

Ion Ratio Lower Upper

82 100

128 46.4 34.5 51.7

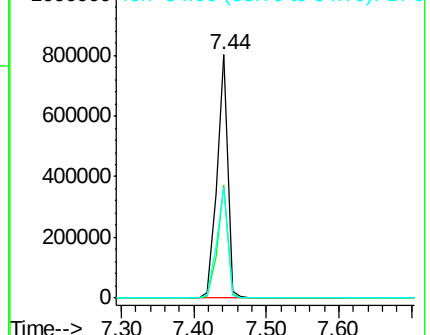
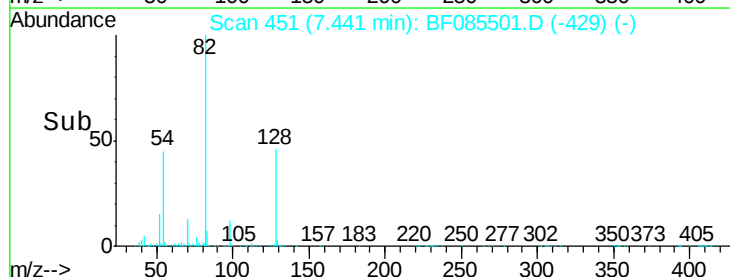
54 45.3 39.3 58.9

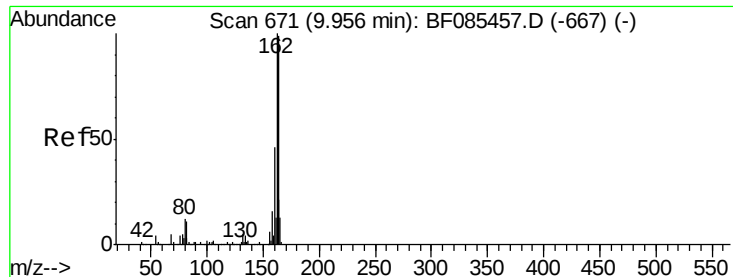


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.91 min Scan# 667

Delta R.T. -0.05 min

Lab File: BF085501.D

Acq: 17 Mar 2016 19:54

Instrument :

BNA_F

ClientSampleId :

SP-2RE

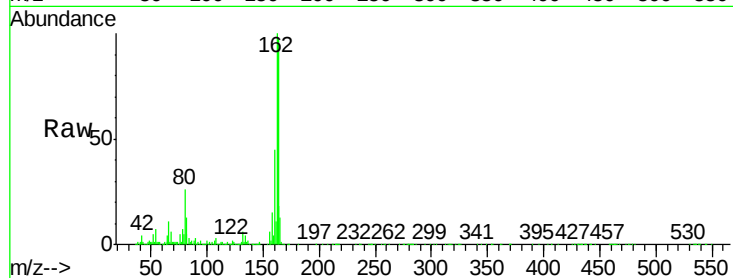
Tgt Ion:164 Resp: 217398

Ion Ratio Lower Upper

164 100

162 103.3 83.3 124.9

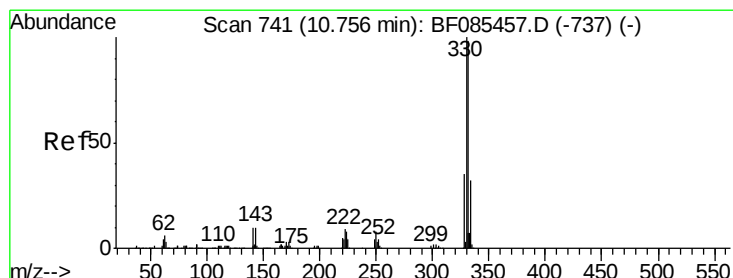
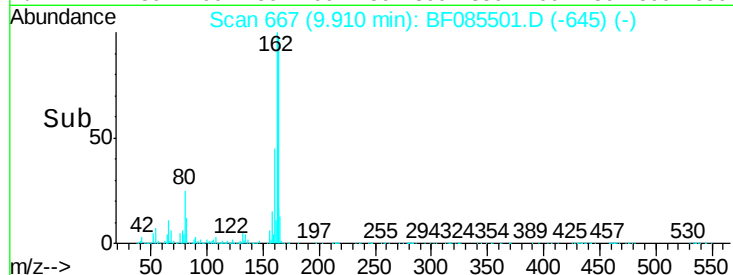
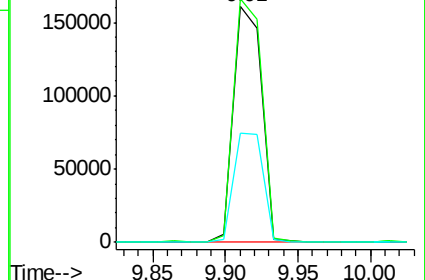
160 46.5 37.9 56.9



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: 164.05 ng

RT: 10.71 min Scan# 737

Delta R.T. -0.05 min

Lab File: BF085501.D

Acq: 17 Mar 2016 19:54

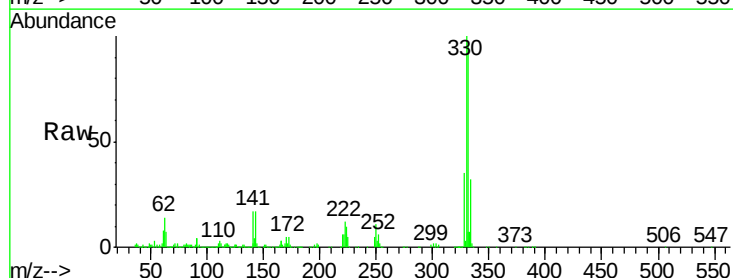
Tgt Ion:330 Resp: 328490

Ion Ratio Lower Upper

330 100

332 96.0 77.1 115.7

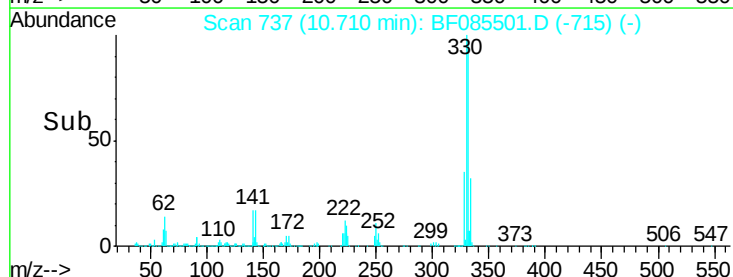
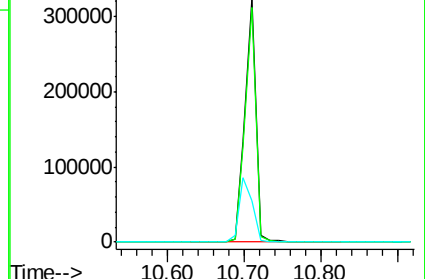
141 31.9 35.0 52.6#

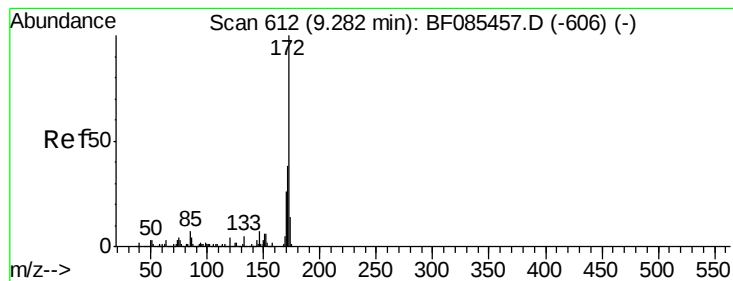


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

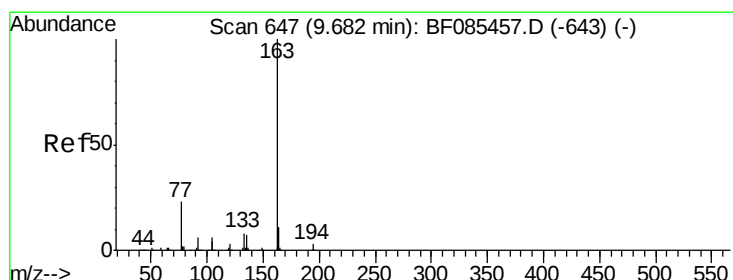
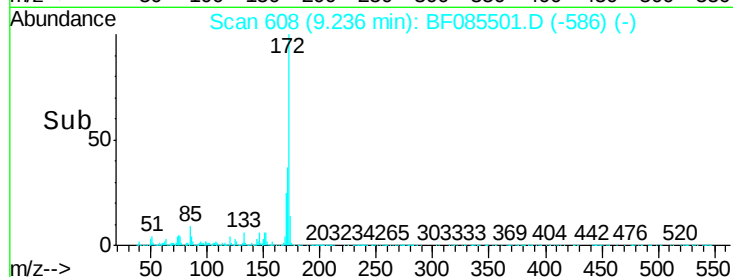
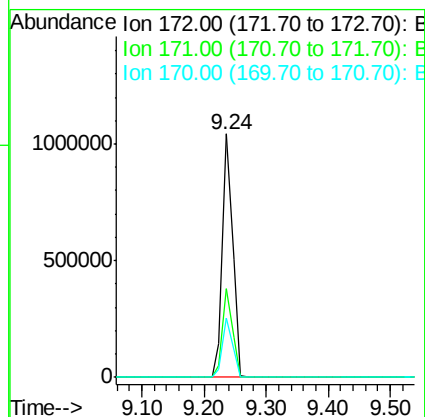
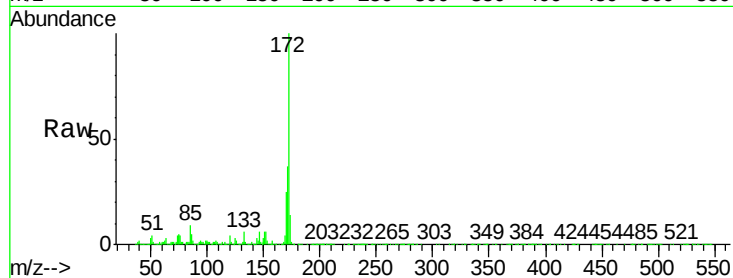




#44
2-Fluorobiphenyl
Concen: 94.24 ng
RT: 9.24 min Scan# 608
Delta R.T. -0.05 min
Lab File: BF085501.D
Acq: 17 Mar 2016 19:54

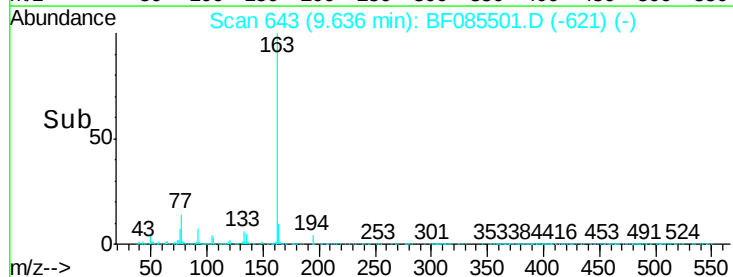
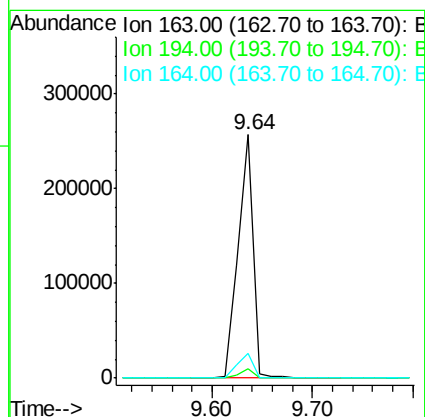
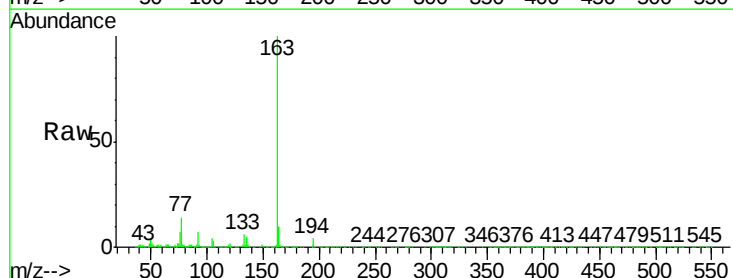
Instrument :
BNA_F
ClientSampleId :
SP-2RE

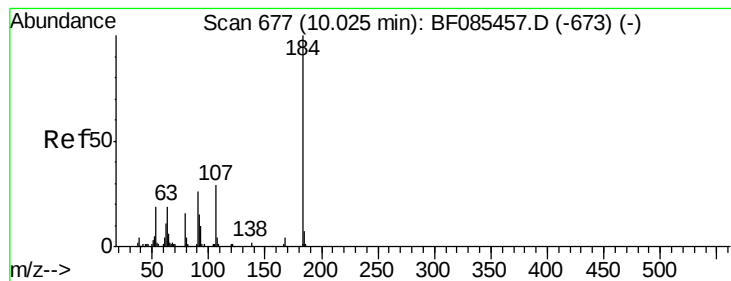
Tgt Ion:172 Resp: 1180906
Ion Ratio Lower Upper
172 100
171 36.5 29.3 43.9
170 24.6 20.0 30.0



#49
Dimethylphthalate
Concen: 16.81 ng
RT: 9.64 min Scan# 643
Delta R.T. -0.05 min
Lab File: BF085501.D
Acq: 17 Mar 2016 19:54

Tgt Ion:163 Resp: 266658
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 9.9 8.2 12.4





#53

2,4-Dinitrophenol

Concen: 7.33 ng

RT: 9.96 min Scan# 671

Delta R.T. -0.07 min

Lab File: BF085501.D

Acq: 17 Mar 2016 19:54

Instrument :

BNA_F

ClientSampled :

SP-2RE

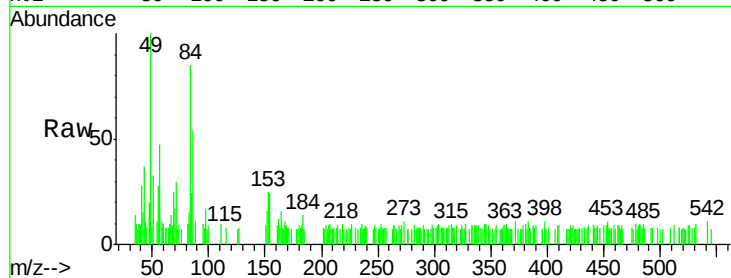
Tgt Ion:184 Resp: 963

Ion Ratio Lower Upper

184 100

63 54.8 82.2 123.4#

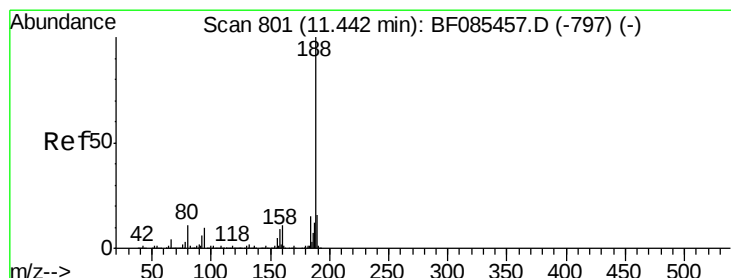
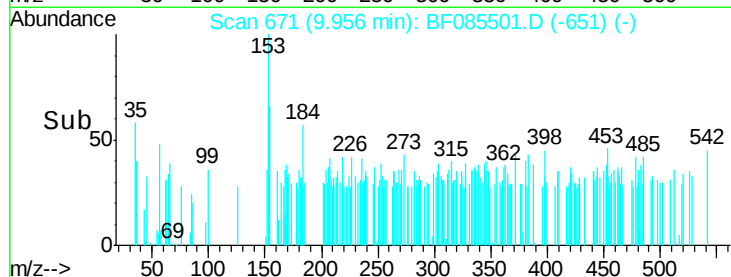
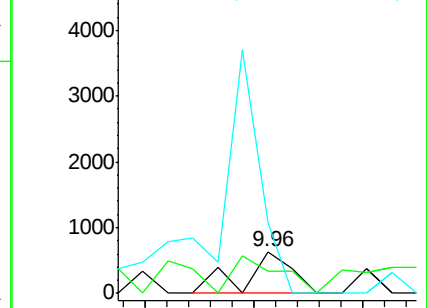
154 169.8 108.9 163.3#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 797

Delta R.T. -0.05 min

Lab File: BF085501.D

Acq: 17 Mar 2016 19:54

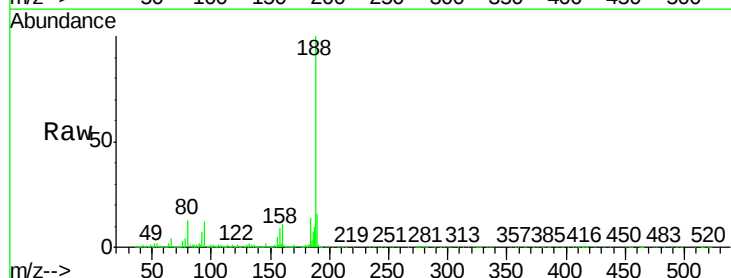
Tgt Ion:188 Resp: 405005

Ion Ratio Lower Upper

188 100

94 12.1 7.0 10.6#

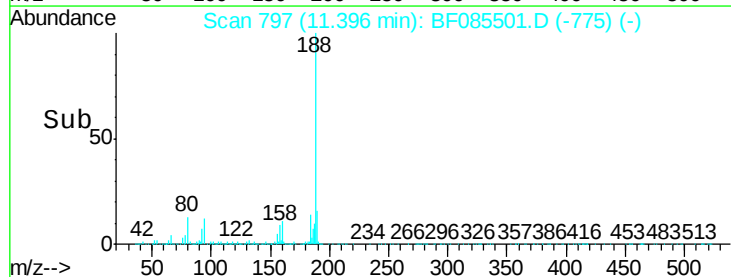
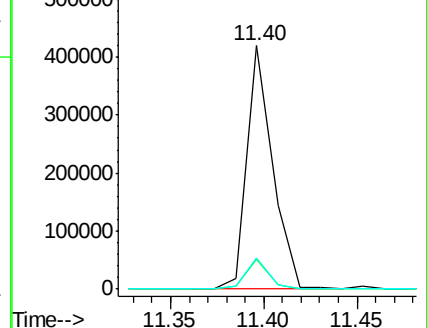
80 12.7 7.4 11.0#

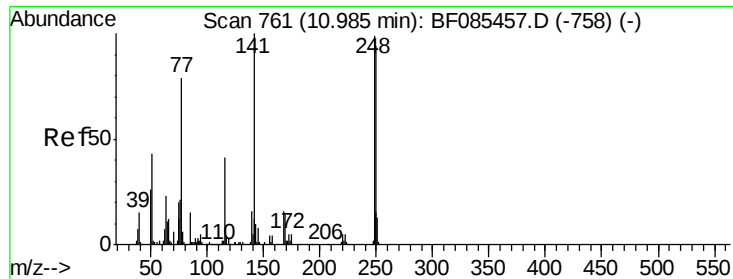


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 5.50 ng

RT: 10.71 min Scan# 737

Delta R.T. -0.27 min

Lab File: BF085501.D

Acq: 17 Mar 2016 19:54

Instrument :

BNA_F

ClientSampled :

SP-2RE

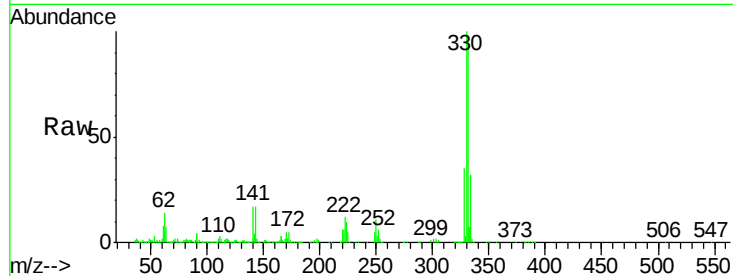
Tgt Ion:248 Resp: 22531

Ion Ratio Lower Upper

248 100

250 195.8 77.1 115.7#

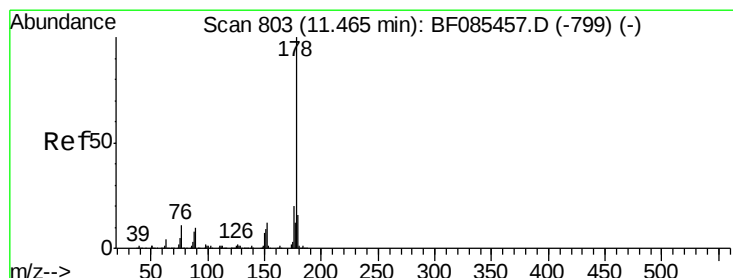
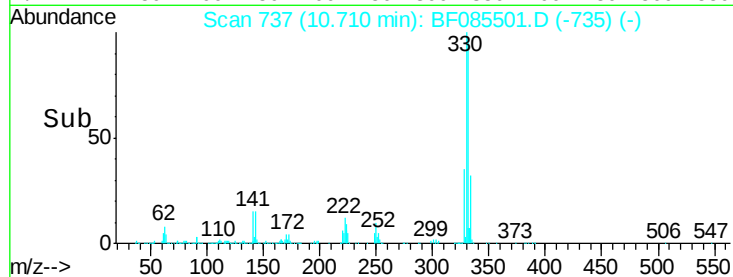
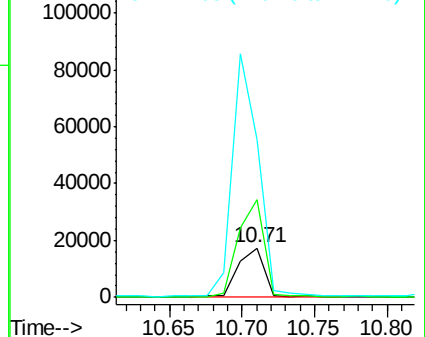
141 317.2 66.2 99.2#



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: 2.98 ng

RT: 11.42 min Scan# 799

Delta R.T. -0.05 min

Lab File: BF085501.D

Acq: 17 Mar 2016 19:54

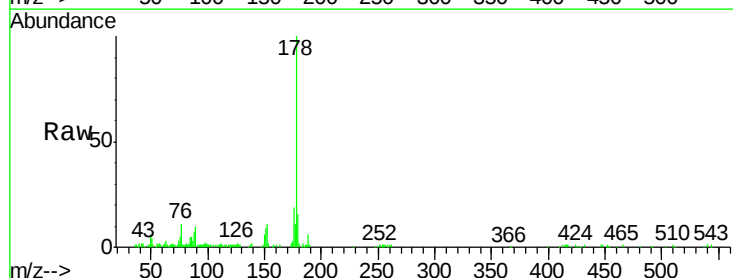
Tgt Ion:178 Resp: 62896

Ion Ratio Lower Upper

178 100

176 19.1 16.8 25.2

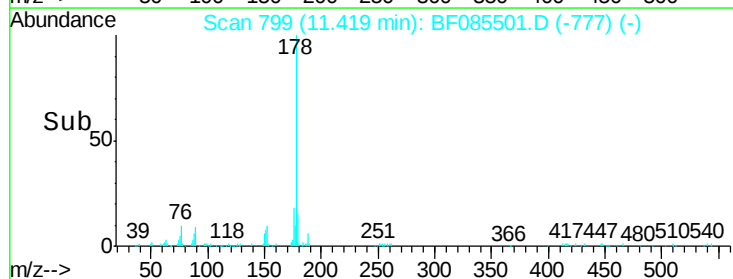
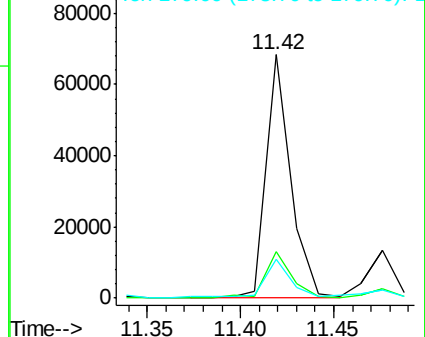
179 15.8 13.1 19.7

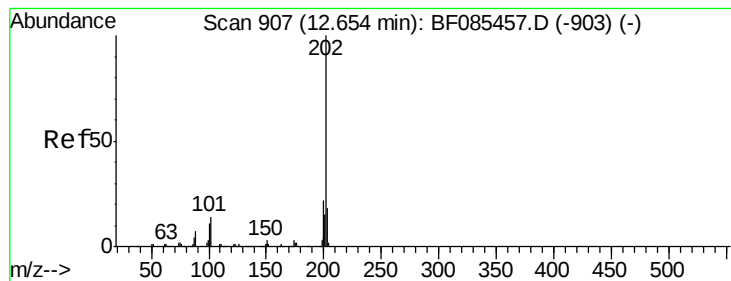


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 5.72 ng

RT: 12.61 min Scan# 903

Delta R.T. -0.05 min

Lab File: BF085501.D

Acq: 17 Mar 2016 19:54

Instrument :

BNA_F

ClientSampleId :

SP-2RE

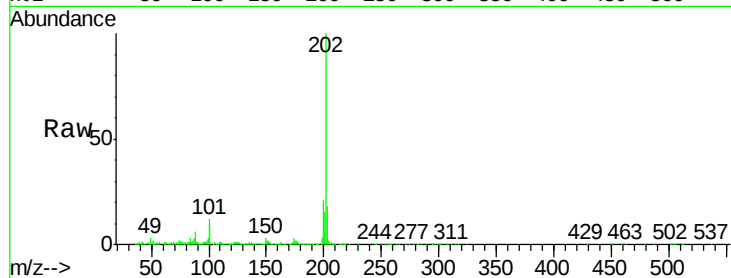
Tgt Ion:202 Resp: 113511

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.8

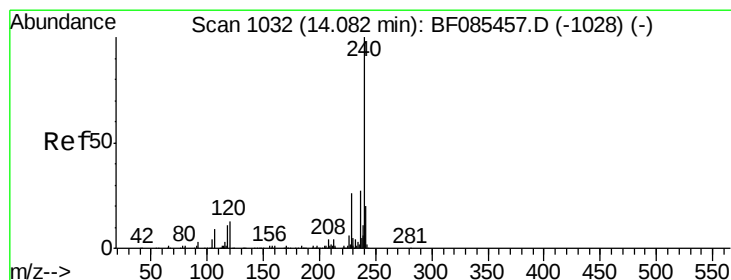
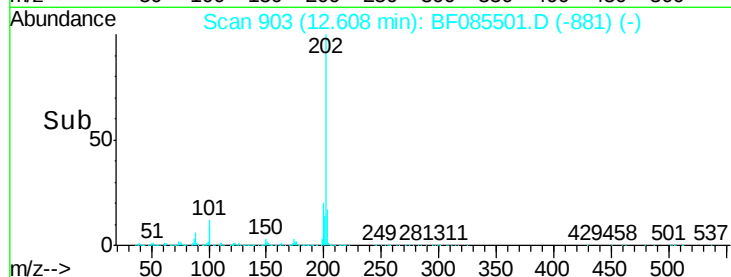
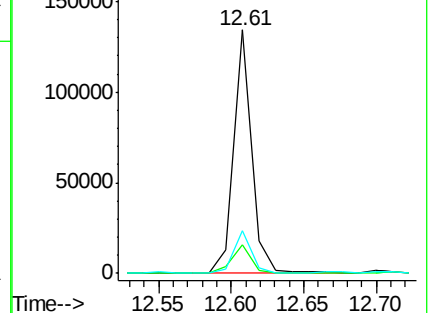
203 17.6 0.0 38.4



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: BF085501.D

Acq: 17 Mar 2016 19:54

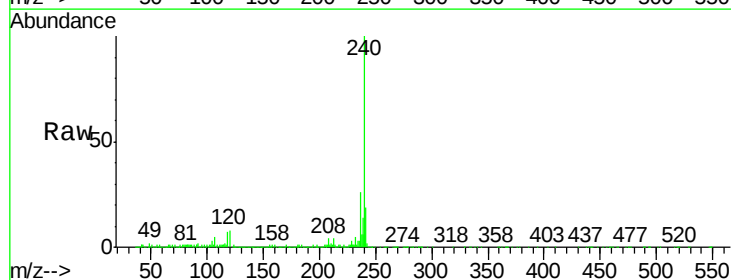
Tgt Ion:240 Resp: 271881

Ion Ratio Lower Upper

240 100

120 8.5 5.3 7.9#

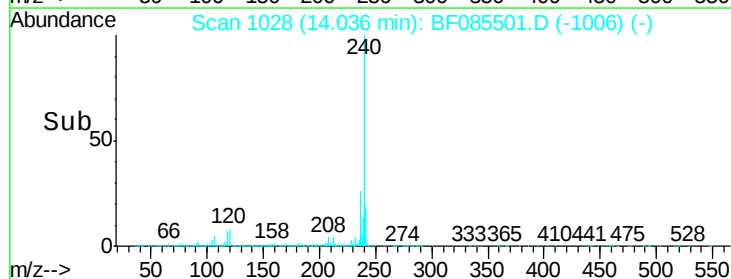
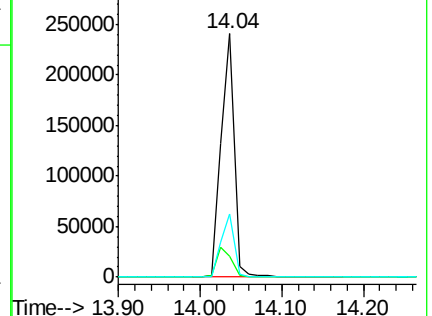
236 26.2 20.7 31.1

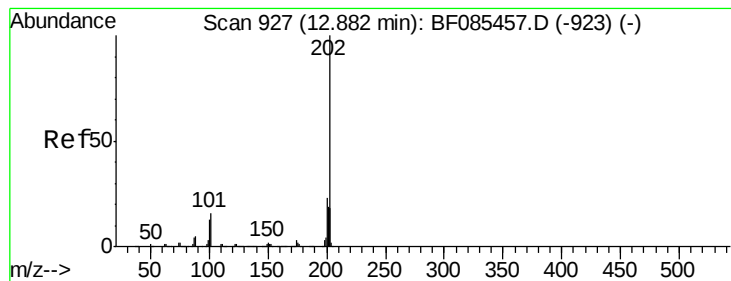


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 4.73 ng

RT: 12.84 min Scan# 923

Delta R.T. -0.05 min

Lab File: BF085501.D

Acq: 17 Mar 2016 19:54

Instrument :

BNA_F

ClientSampleId :

SP-2RE

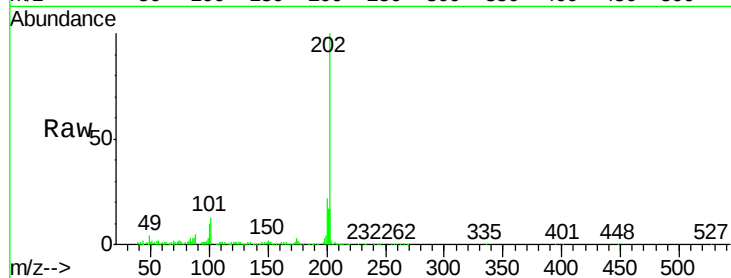
Tgt Ion:202 Resp: 96389

Ion Ratio Lower Upper

202 100

200 21.5 18.2 27.4

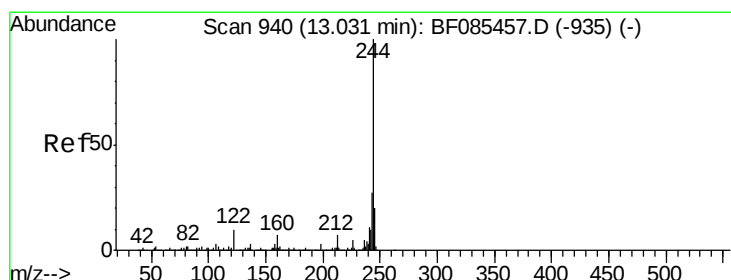
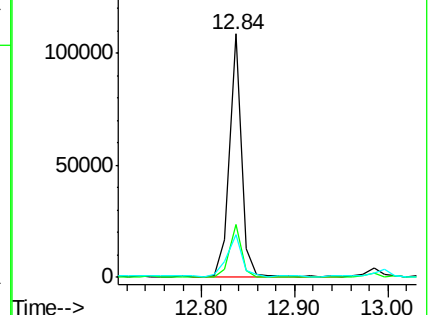
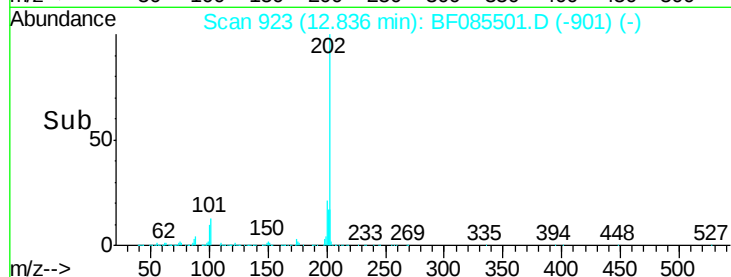
203 17.4 14.7 22.1



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: 85.27 ng

RT: 12.98 min Scan# 936

Delta R.T. -0.05 min

Lab File: BF085501.D

Acq: 17 Mar 2016 19:54

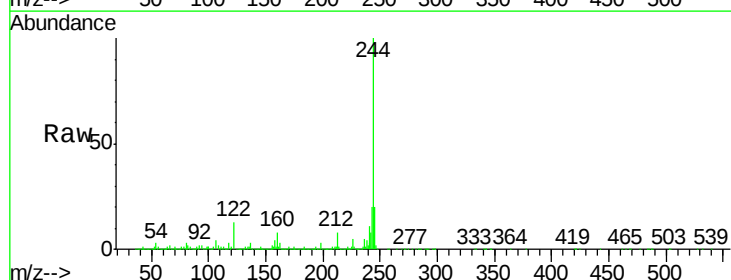
Tgt Ion:244 Resp: 1024778

Ion Ratio Lower Upper

244 100

212 7.5 6.4 9.6

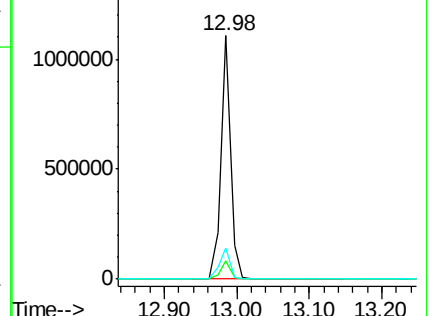
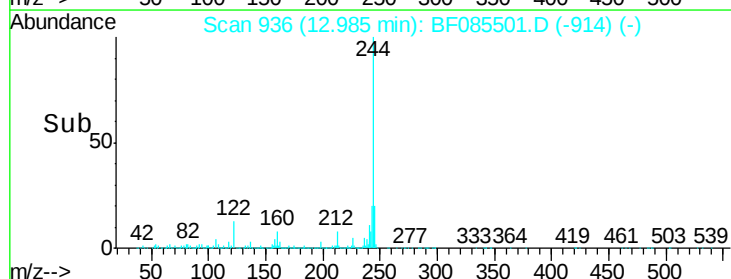
122 12.9 11.4 17.2

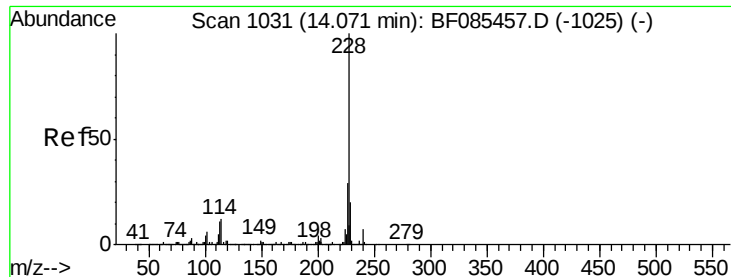


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.36 ng

RT: 14.03 min Scan# 1027

Delta R.T. -0.05 min

Lab File: BF085501.D

Acq: 17 Mar 2016 19:54

Instrument :

BNA_F

ClientSampleId :

SP-2RE

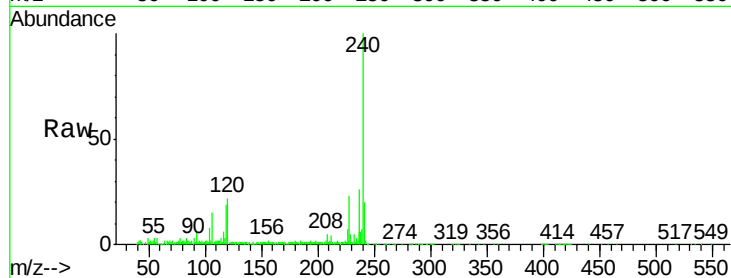
Tgt Ion:228 Resp: 36817

Ion Ratio Lower Upper

228 100

226 29.9 22.8 34.2

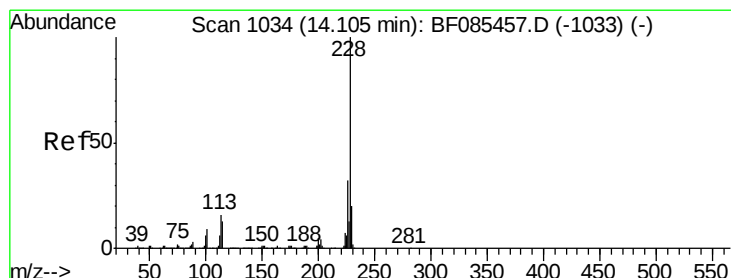
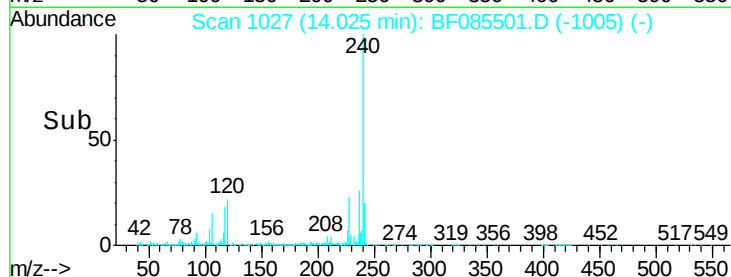
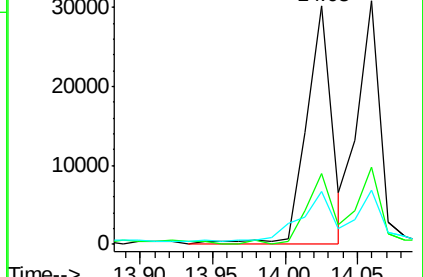
229 22.1 16.6 24.8



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: 2.63 ng

RT: 14.03 min Scan# 1027

Delta R.T. -0.08 min

Lab File: BF085501.D

Acq: 17 Mar 2016 19:54

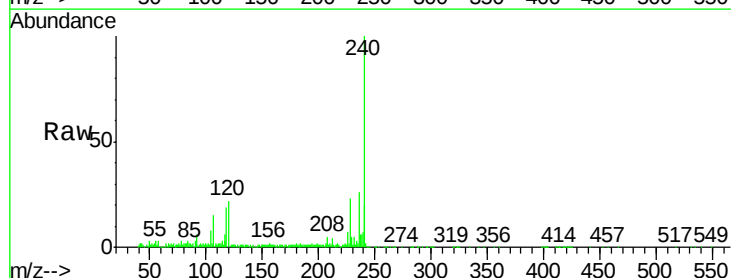
Tgt Ion:228 Resp: 36817

Ion Ratio Lower Upper

228 100

226 29.9 25.2 37.8

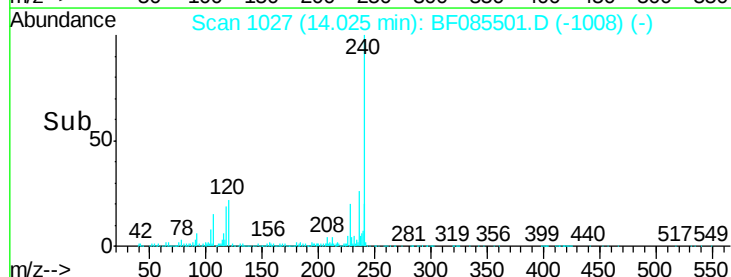
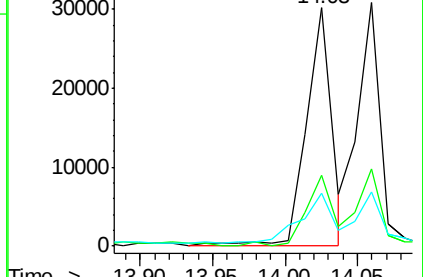
229 22.1 16.0 24.0

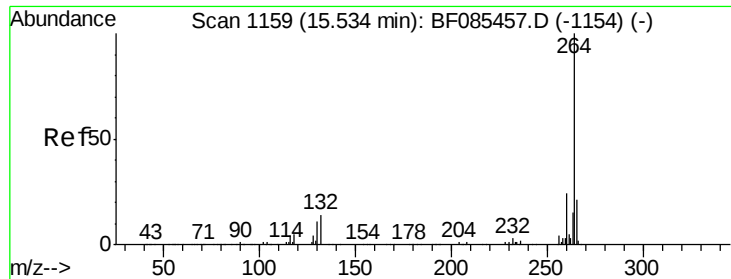


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

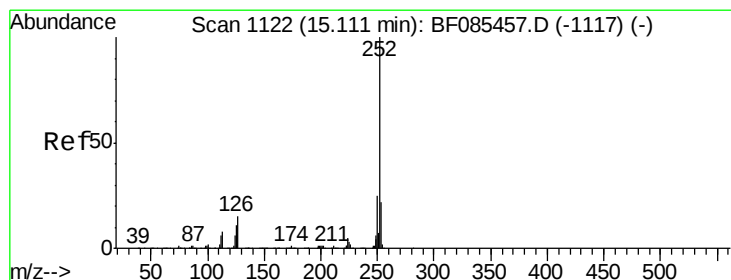
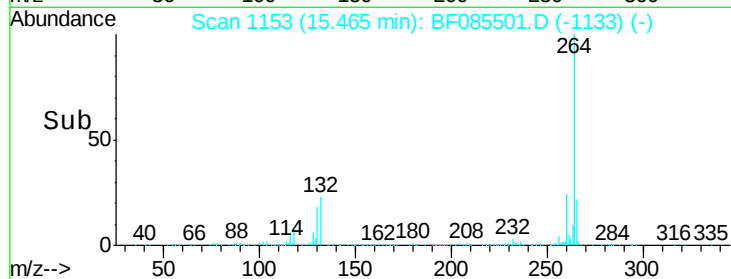
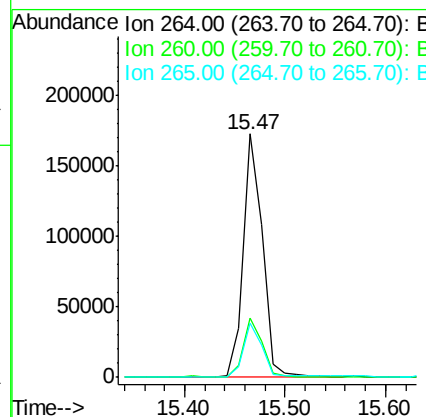
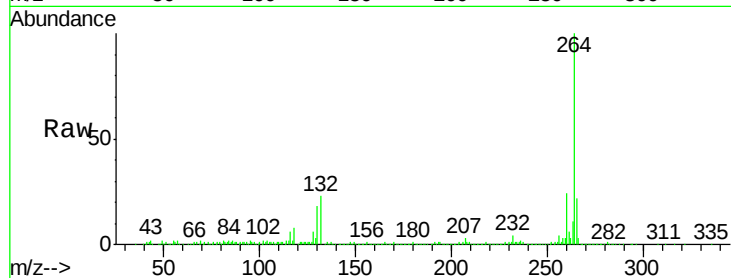




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.47 min Scan# 1153
Delta R.T. -0.07 min
Lab File: BF085501.D
Acq: 17 Mar 2016 19:54

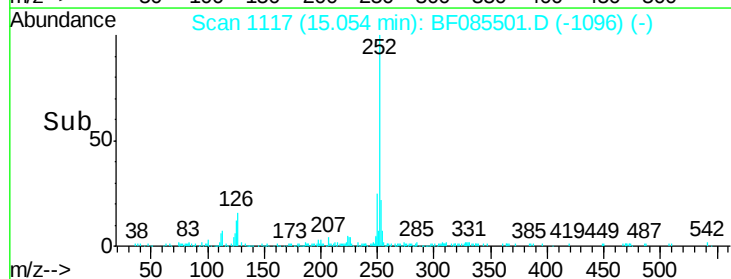
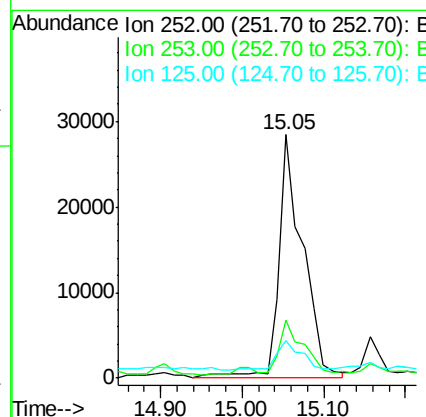
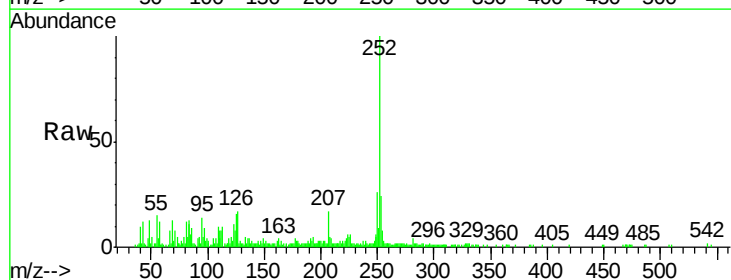
Instrument :
BNA_F
ClientSampleId :
SP-2RE

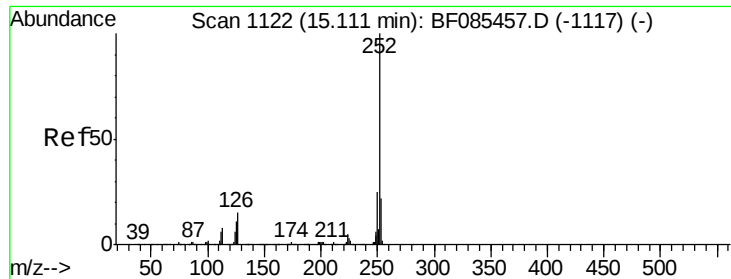
Tgt Ion:264 Resp: 227110
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 22.0 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 3.95 ng
RT: 15.05 min Scan# 1117
Delta R.T. -0.06 min
Lab File: BF085501.D
Acq: 17 Mar 2016 19:54

Tgt Ion:252 Resp: 58631
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.6
125 15.6 11.3 16.9

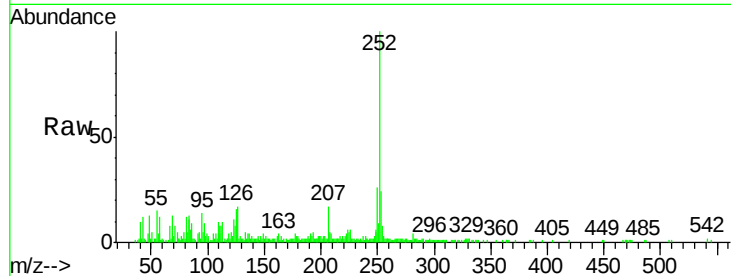




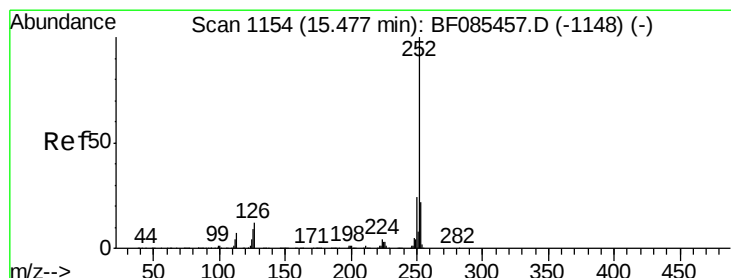
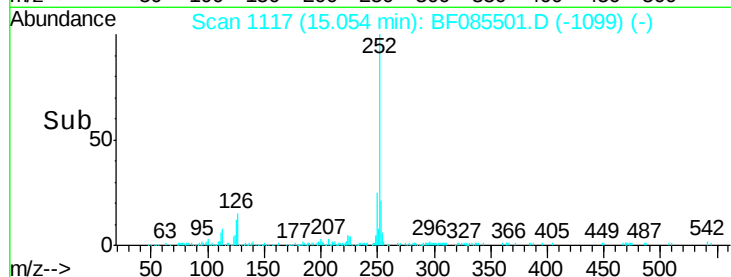
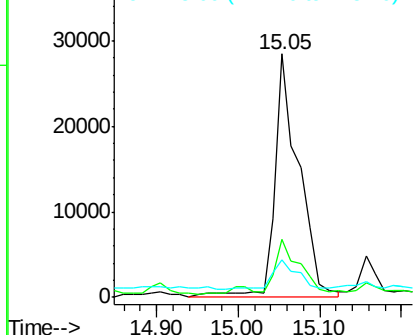
#88
Benzo(k)fluoranthene
Concen: 5.05 ng
RT: 15.05 min Scan# 1117
Delta R.T. -0.09 min
Lab File: BF085501.D
Acq: 17 Mar 2016 19:54

Instrument :
BNA_F
ClientSampleId :
SP-2RE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.6
125	15.6	10.4	15.6#

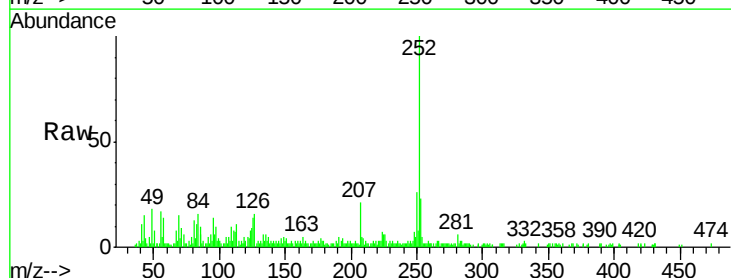


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.14 ng
RT: 15.41 min Scan# 1148
Delta R.T. -0.07 min
Lab File: BF085501.D
Acq: 17 Mar 2016 19:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	14.5	8.2	12.4#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

