

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
 Data File : BF083403.D
 Acq On : 2 Dec 2015 6:45
 Operator : UM/IZ
 Sample : G4586-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 112515-A263-F-D-B

Quant Time: Dec 02 09:22:03 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 01:17:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.54	152	199527	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	783663	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	399969	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	705129	20.00	ng	0.00
75) Chrysene-d12	14.75	240	469630	20.00	ng	-0.01
86) Perylene-d12	16.82	264	486309	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	465547	35.01	ng	0.00
7) Phenol-d6	6.21	99	376306	20.68	ng	-0.01
23) Nitrobenzene-d5	7.13	82	1321985	74.16	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	236534	58.91	ng	-0.01
44) 2-Fluorobiphenyl	8.92	172	2112949	75.28	ng	0.00
78) Terphenyl-d14	13.22	244	1722828	87.49	ng	0.00

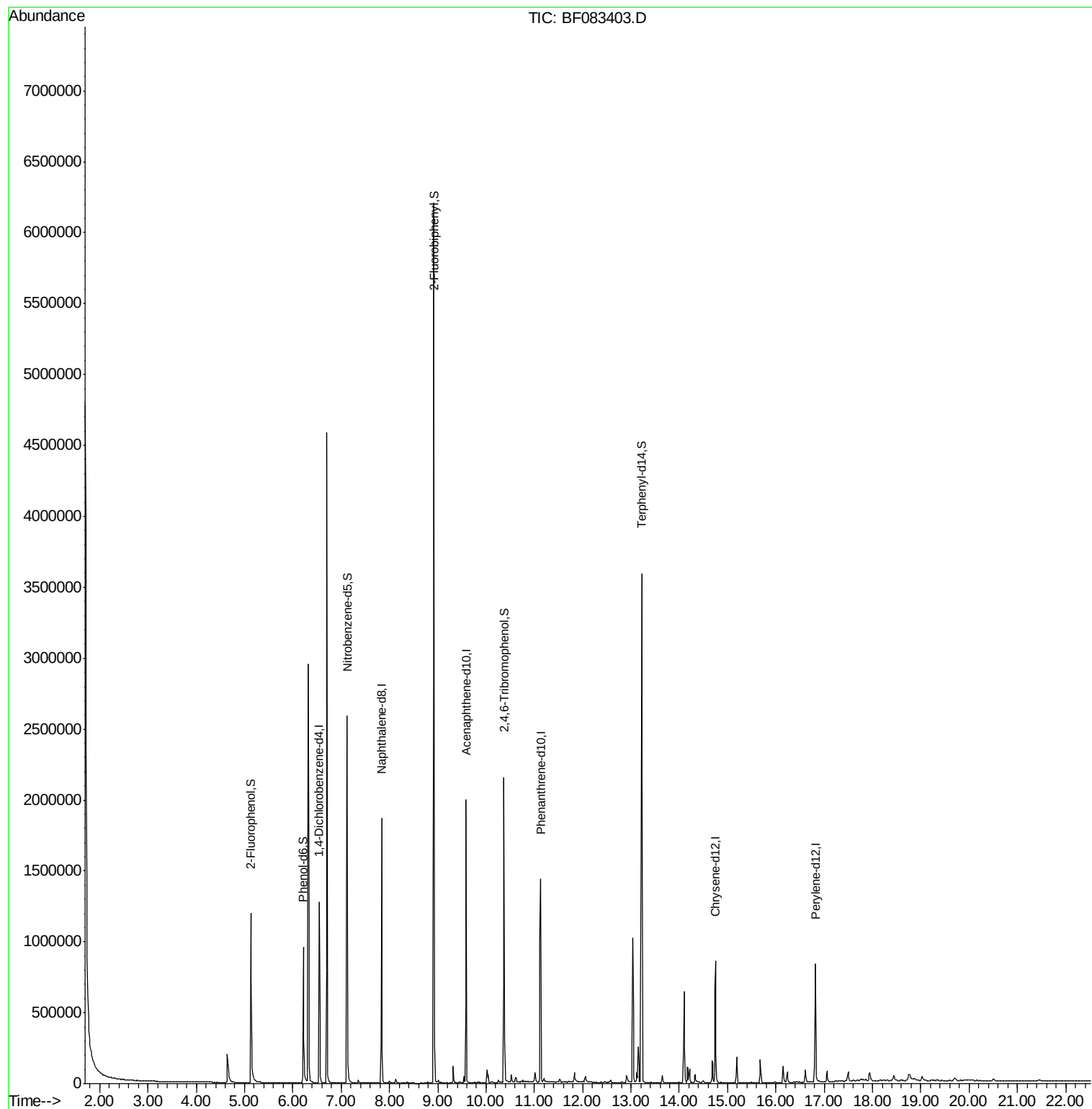
Target Compounds Qvalue

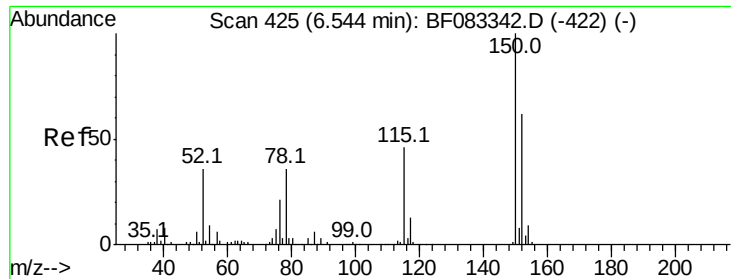
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.54 min Scan# 425

Delta R.T. 0.00 min

Lab File: BF083403.D

Acq: 2 Dec 2015 6:45

Instrument :

BNA_F

ClientSampleId :

112515-A263-F-D-B

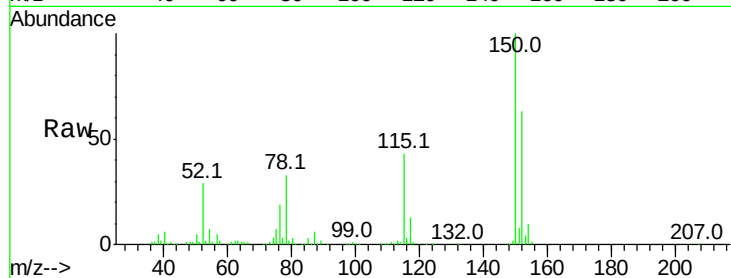
Tot Ion:152 Resp: 199527

Ion Ratio Lower Upper

152 100

150 158.1 129.8 194.8

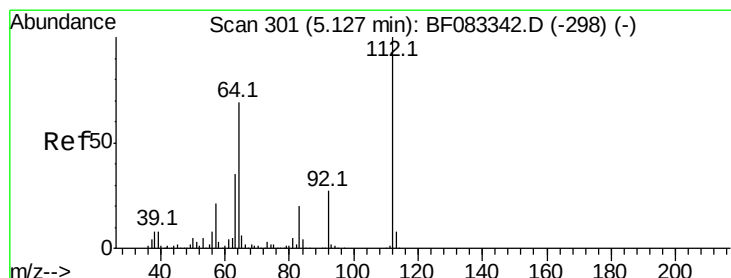
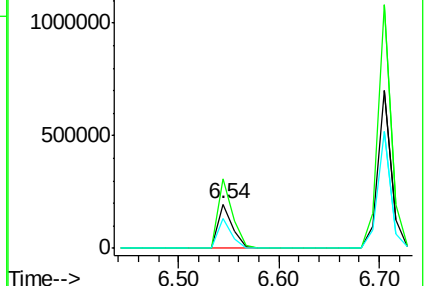
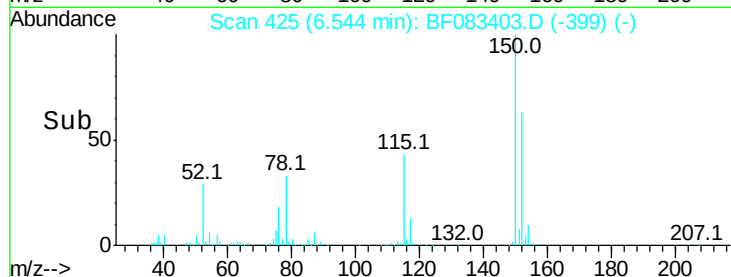
115 68.3 59.2 88.8



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: 35.01 ng

RT: 5.13 min Scan# 301

Delta R.T. 0.00 min

Lab File: BF083403.D

Acq: 2 Dec 2015 6:45

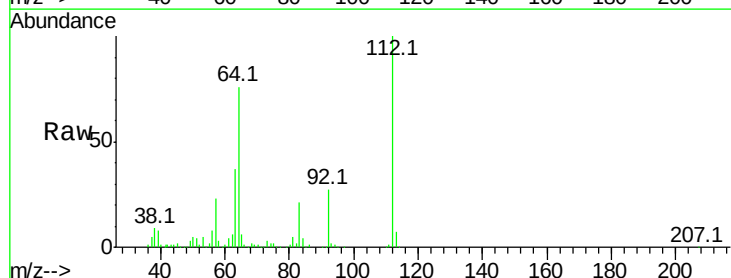
Tgt Ion:112 Resp: 465547

Ion Ratio Lower Upper

112 100

64 75.7 55.6 83.4

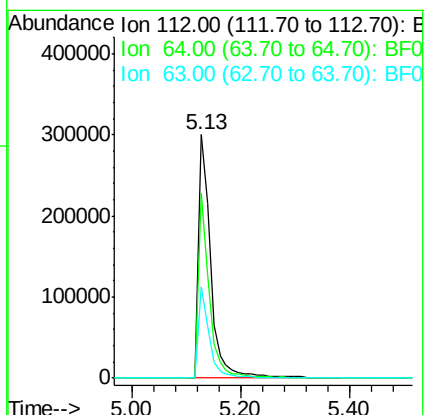
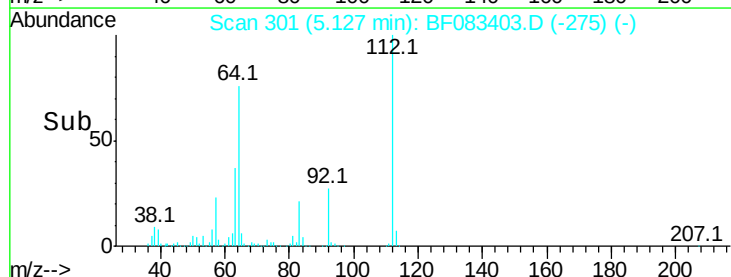
63 37.4 28.2 42.2

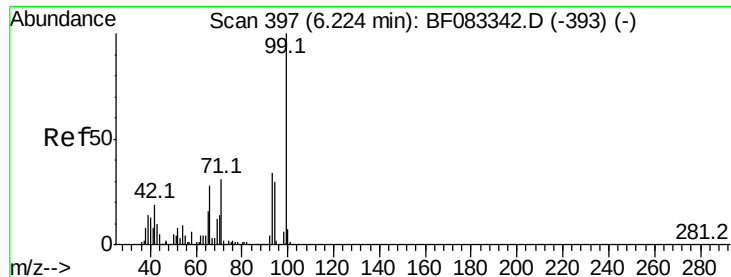


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 20.68 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083403.D

Acq: 2 Dec 2015 6:45

Instrument :

BNA_F

ClientSampleId :

112515-A263-F-D-B

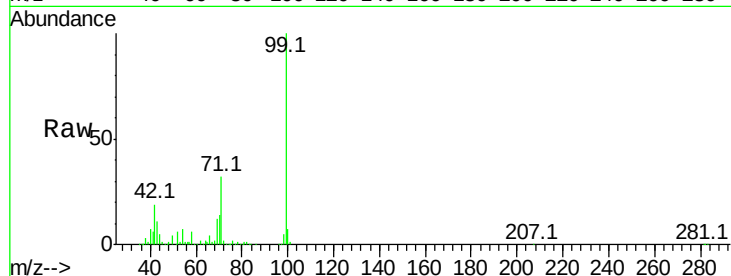
Tot Ion: 99 Resp: 376306

Ion Ratio Lower Upper

99 100

42 19.0 14.9 22.3

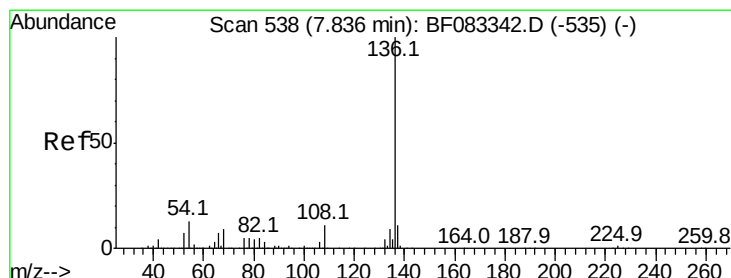
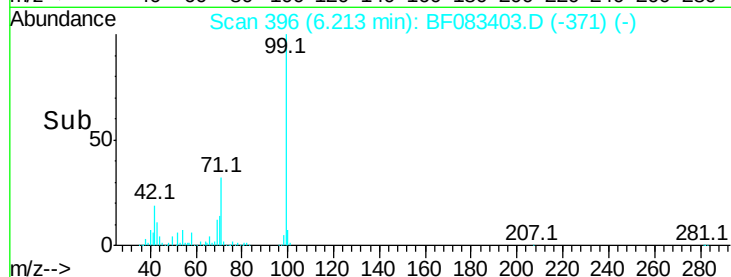
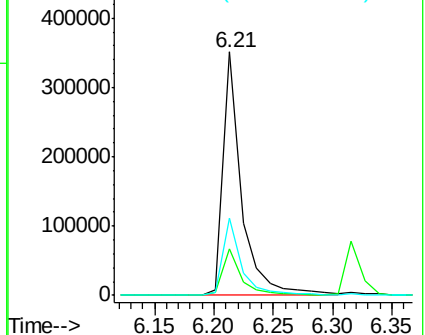
71 31.6 24.7 37.1



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.84 min Scan# 538

Delta R.T. 0.00 min

Lab File: BF083403.D

Acq: 2 Dec 2015 6:45

Tgt Ion: 136 Resp: 783663

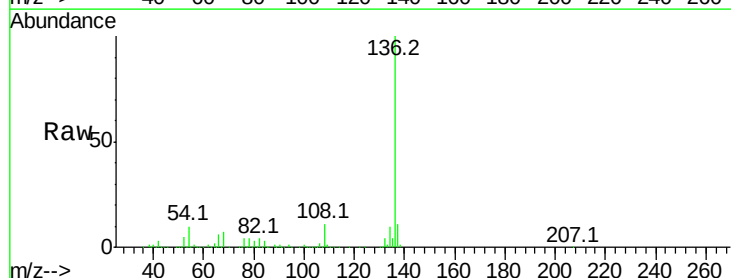
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 9.9 10.1 15.1#

68 7.1 7.1 10.7

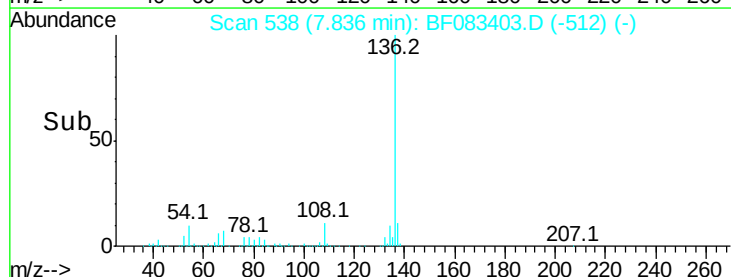
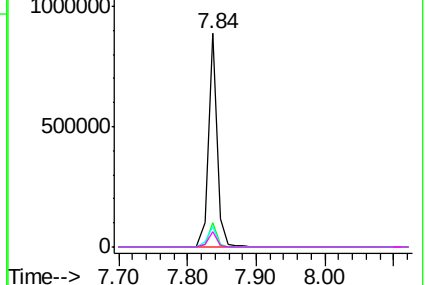


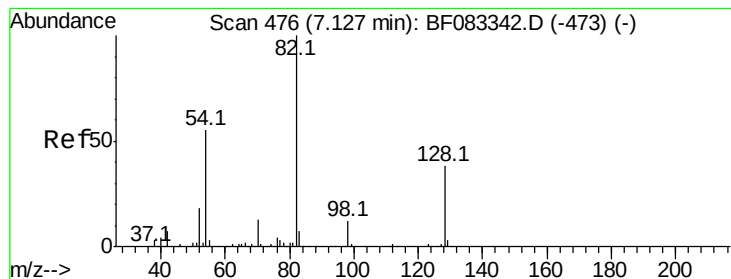
Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.16 ng

RT: 7.13 min Scan# 476

Delta R.T. 0.00 min

Lab File: BF083403.D

Acq: 2 Dec 2015 6:45

Instrument :

BNA_F

ClientSampleId :

112515-A263-F-D-B

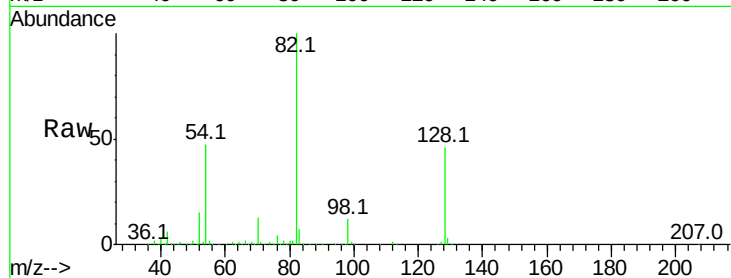
Tot Ion: 82 Resp: 1321985

Ion Ratio Lower Upper

82 100

128 46.2 30.6 46.0#

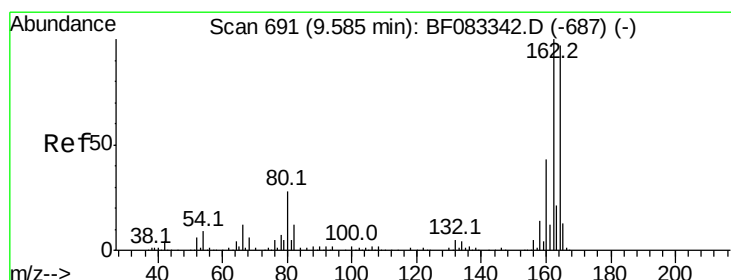
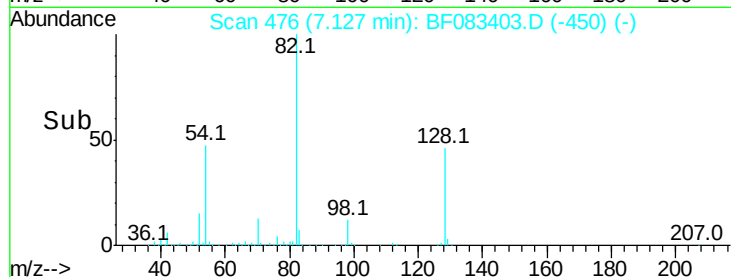
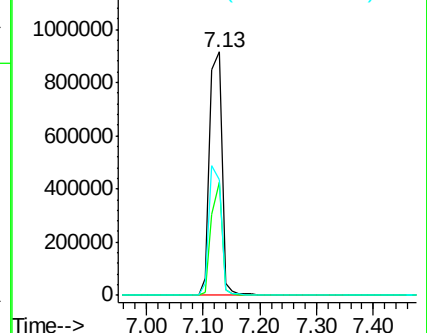
54 47.5 43.8 65.6



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: 9.58 min Scan# 691

Delta R.T. 0.00 min

Lab File: BF083403.D

Acq: 2 Dec 2015 6:45

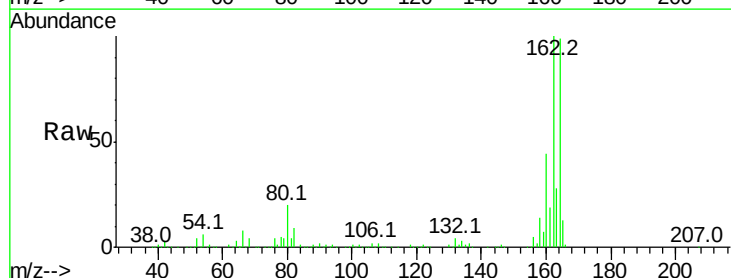
Tgt Ion:164 Resp: 399969

Ion Ratio Lower Upper

164 100

162 101.4 82.6 123.8

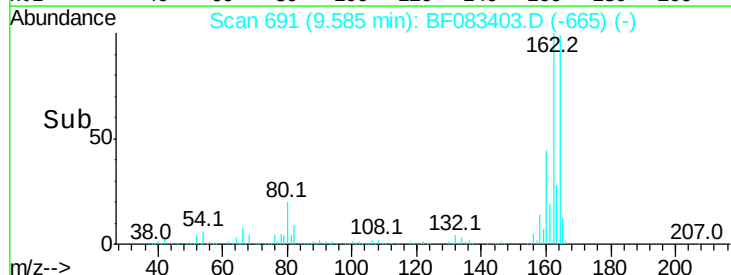
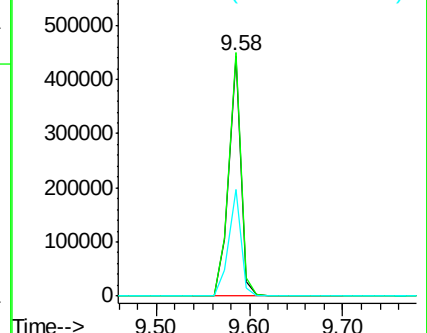
160 44.7 35.3 52.9

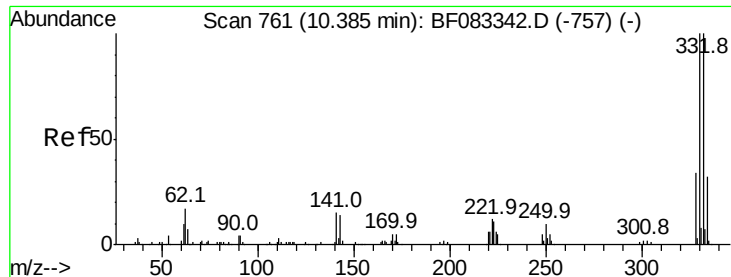


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

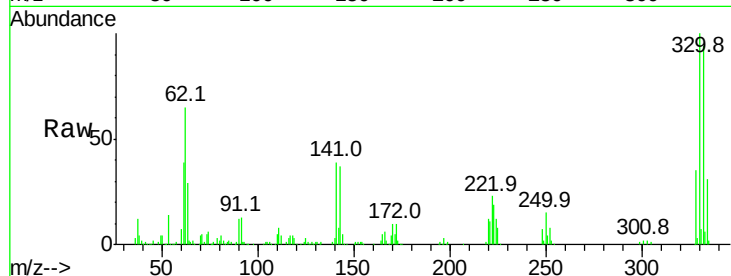




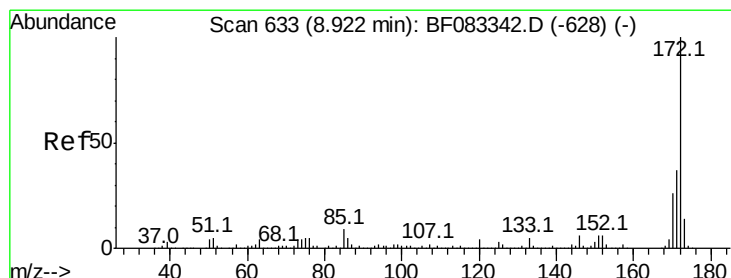
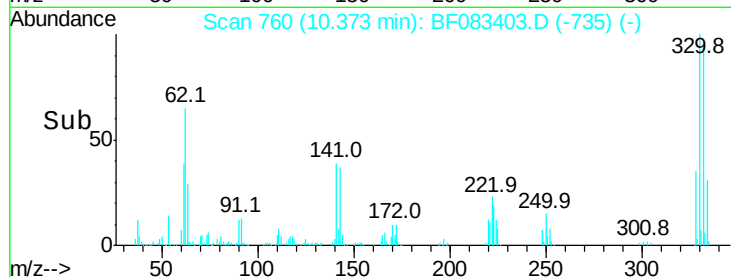
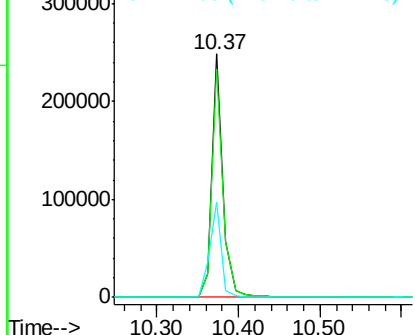
#41
 2,4,6-Tribromophenol
 Concen: 58.91 ng
 RT: 10.37 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BF083403.D
 Acq: 2 Dec 2015 6:45

Instrument :
 BNA_F
 ClientSampleId :
 112515-A263-F-D-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.8	116.6
141	41.9	29.4	44.0

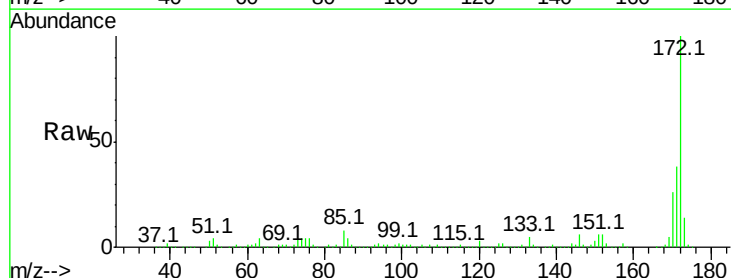


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

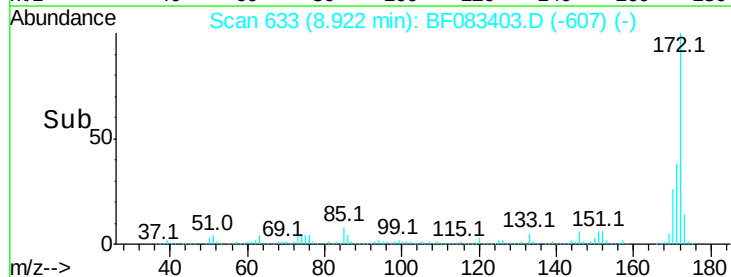
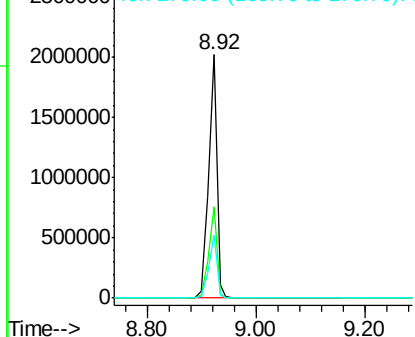


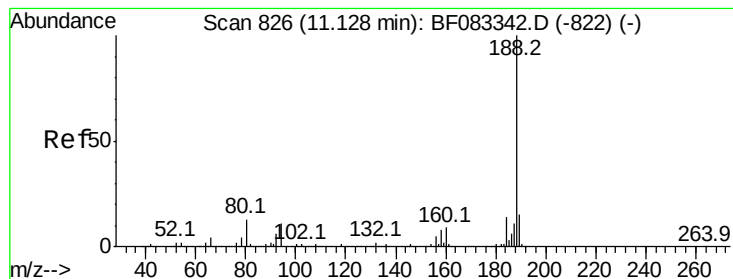
#44
 2-Fluorobiphenyl
 Concen: 75.28 ng
 RT: 8.92 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: BF083403.D
 Acq: 2 Dec 2015 6:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	29.4	44.0
170	25.8	20.4	30.6



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.13 min Scan# 826

Delta R.T. 0.00 min

Lab File: BF083403.D

Acq: 2 Dec 2015 6:45

Instrument :

BNA_F

ClientSampleId :

112515-A263-F-D-B

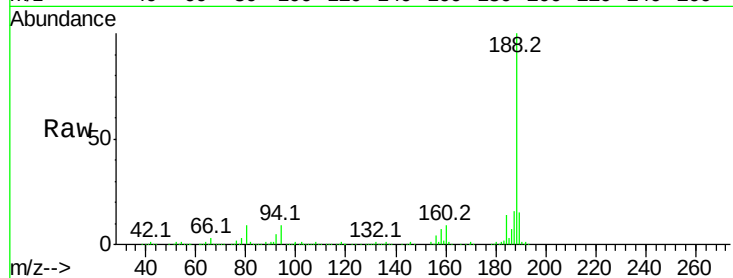
Tot Ion:188 Resp: 705129

Ion Ratio Lower Upper

188 100

94 8.7 8.7 13.1#

80 9.4 10.3 15.5#



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

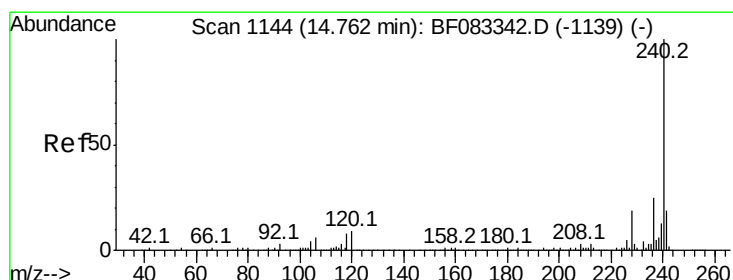
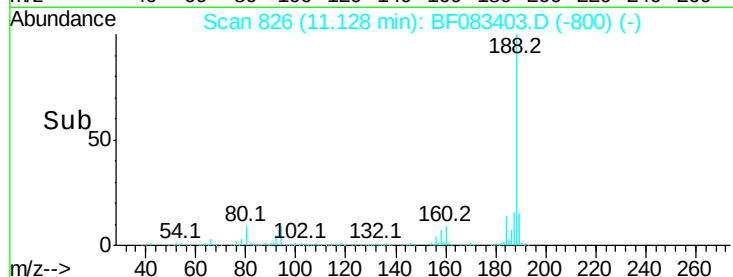
11.13

400000

200000

0

Time--> 11.05 11.10 11.15 11.20



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.75 min Scan# 1143

Delta R.T. -0.01 min

Lab File: BF083403.D

Acq: 2 Dec 2015 6:45

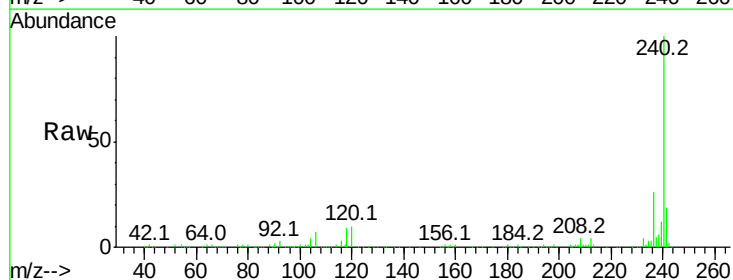
Tgt Ion:240 Resp: 469630

Ion Ratio Lower Upper

240 100

120 9.7 6.9 10.3

236 25.7 19.8 29.6



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

14.75

400000

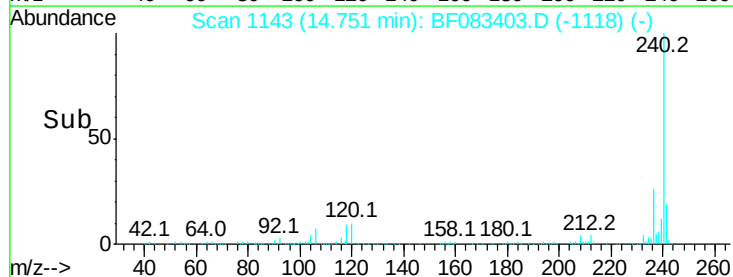
300000

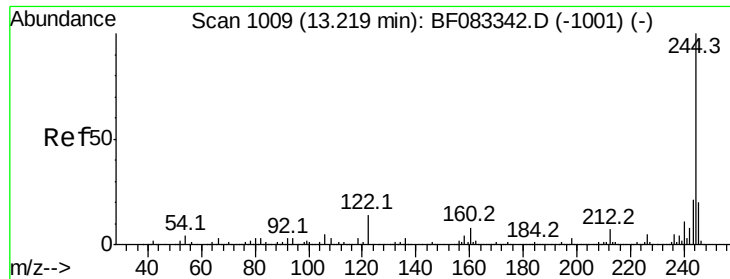
200000

100000

0

Time--> 14.60 14.80 15.00





#78

Terphenyl-d14

Concen: 87.49 ng

RT: 13.22 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BF083403.D

Acq: 2 Dec 2015 6:45

Instrument :

BNA_F

ClientSampleId :

112515-A263-F-D-B

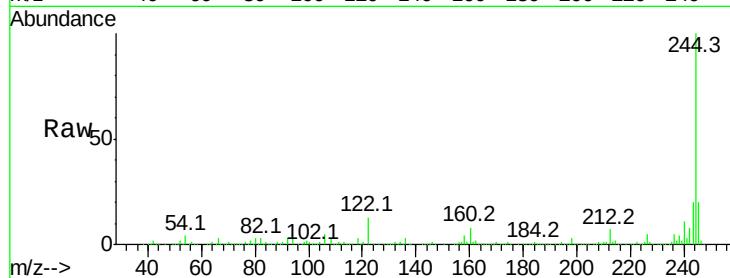
Tot Ion:244 Resp: 1722828

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

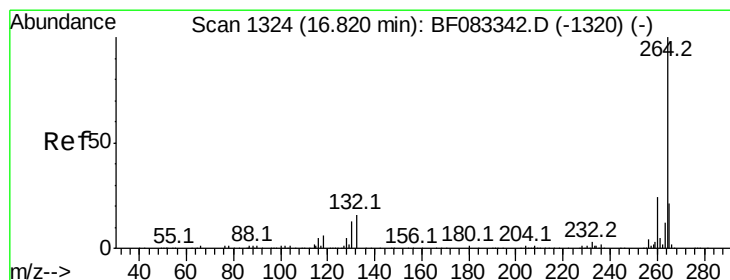
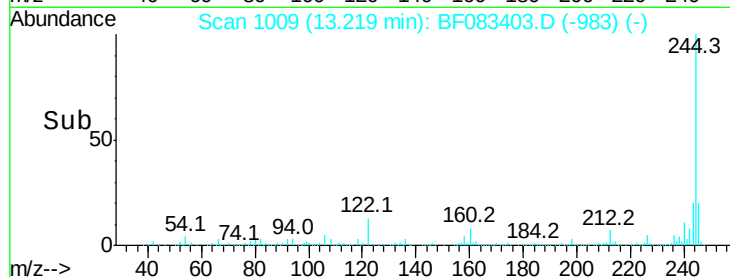
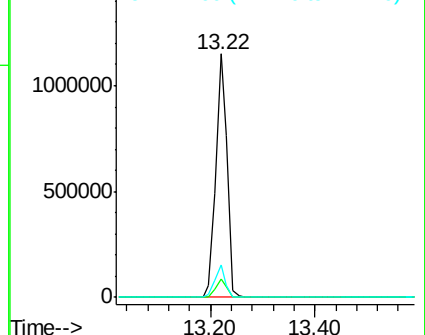
122 13.4 11.0 16.4



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.82 min Scan# 1324

Delta R.T. 0.00 min

Lab File: BF083403.D

Acq: 2 Dec 2015 6:45

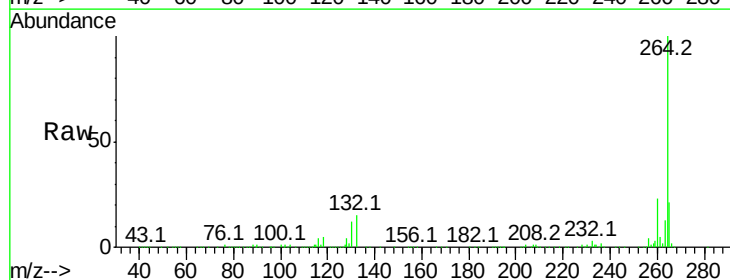
Tgt Ion:264 Resp: 486309

Ion Ratio Lower Upper

264 100

260 22.8 19.0 28.4

265 21.2 16.8 25.2



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

