

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
 Data File : BF083408.D
 Acq On : 2 Dec 2015 9:18
 Operator : UM/IZ
 Sample : G4538-03
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-18

Quant Time: Dec 02 09:46:17 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	187685	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	713226	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	360289	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	607845	20.00	ng	0.00
75) Chrysene-d12	14.75	240	398560	20.00	ng	-0.01
86) Perylene-d12	16.81	264	414043	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.14	112	582881	46.60	ng	0.01
7) Phenol-d6	6.21	99	511828	29.90	ng	-0.01
23) Nitrobenzene-d5	7.13	82	1398165	86.17	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	268926	74.36	ng	-0.01
44) 2-Fluorobiphenyl	8.92	172	2101452	83.12	ng	0.00
78) Terphenyl-d14	13.22	244	1535141	91.86	ng	0.00

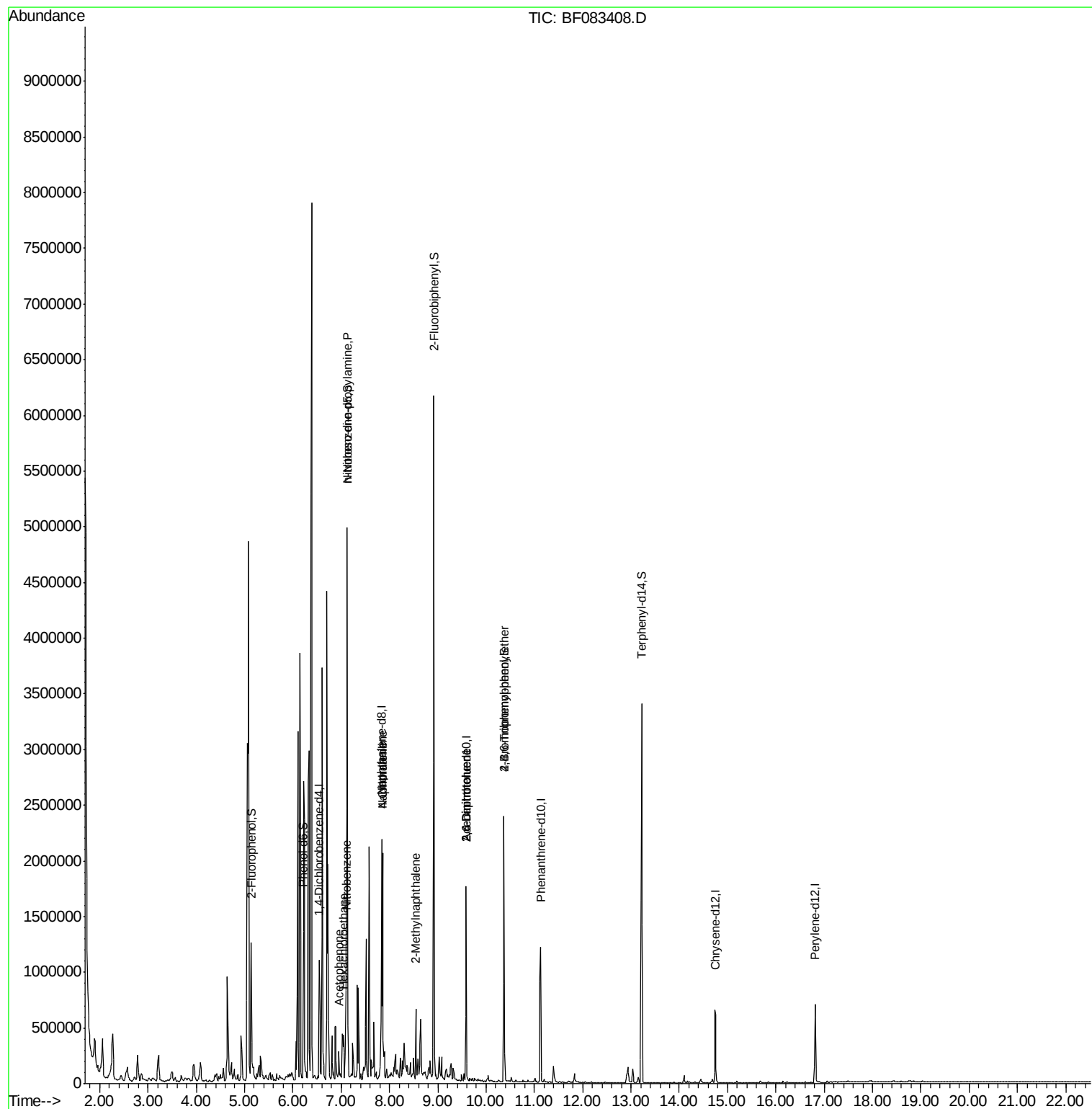
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.05	117	26750	4.86	ng	# 1
19) n-Nitroso-di-n-propylamine	7.13	70	191339	15.64	ng	# 81
22) Acetophenone	6.96	105	112343	5.26	ng	# 58
24) Nitrobenzene	7.10	77	72661	4.19	ng	# 19
31) Naphthalene	7.86	128	802285	20.73	ng	# 99
33) 4-Chloroaniline	7.86	127	118554	7.11	ng	# 34
37) 2-Methylnaphthalene	8.54	142	154945	5.99	ng	# 97
50) 2,6-Dinitrotoluene	9.58	165	43703	6.99	ng	# 20
56) 2,4-Dinitrotoluene	9.58	165	43703	5.51	ng	# 7
66) 4-Bromophenyl-phenylether	10.37	248	15947	2.40	ng	# 1

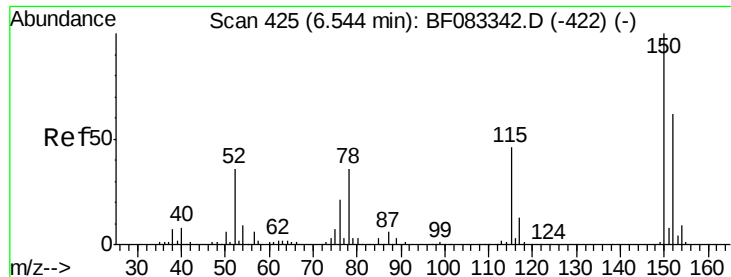
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF083408.D

Acq: 2 Dec 2015 9:18

Instrument :

BNA_F

ClientSampleId :

W-18

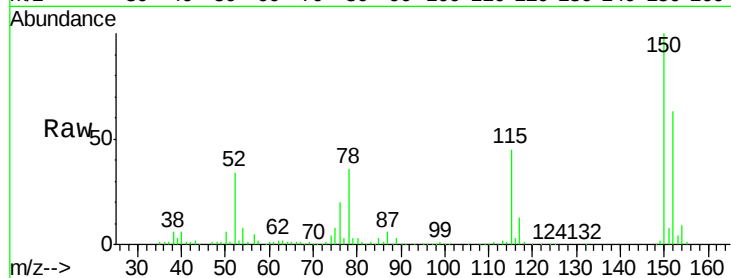
Tot Ion:152 Resp: 187685

Ion Ratio Lower Upper

152 100

150 159.6 129.8 194.8

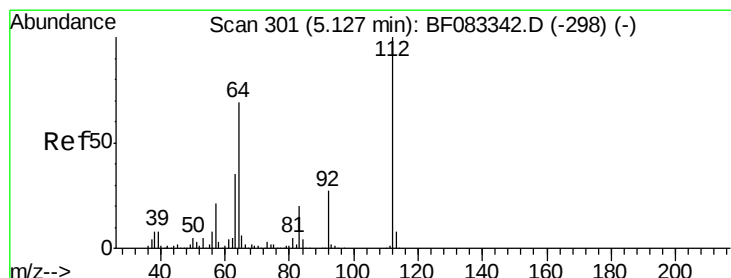
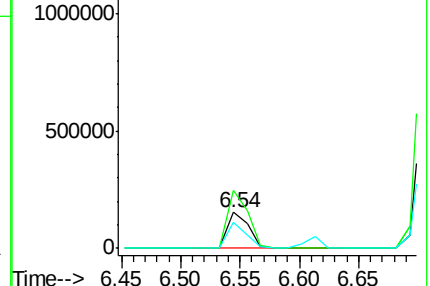
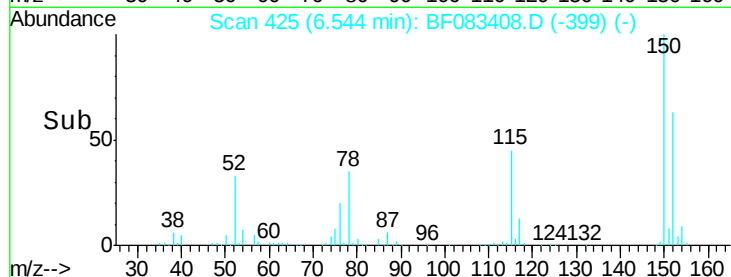
115 72.2 59.2 88.8



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: 46.60 ng

RT: 5.14 min Scan# 302

Delta R.T. 0.01 min

Lab File: BF083408.D

Acq: 2 Dec 2015 9:18

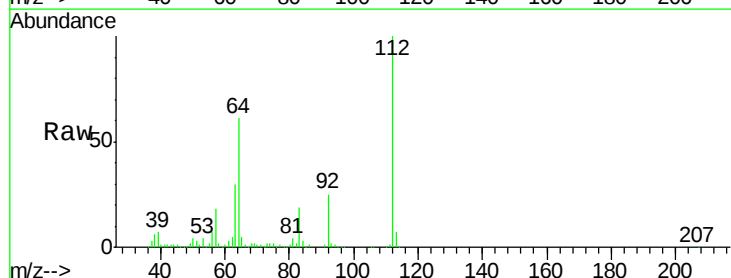
Tgt Ion:112 Resp: 582881

Ion Ratio Lower Upper

112 100

64 61.0 55.6 83.4

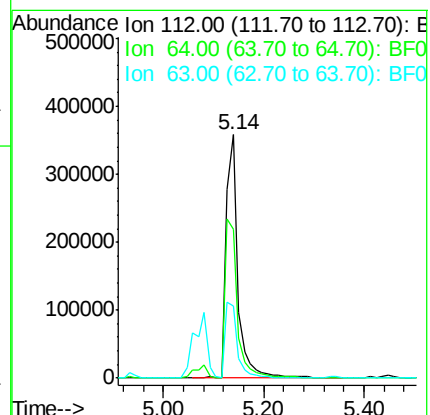
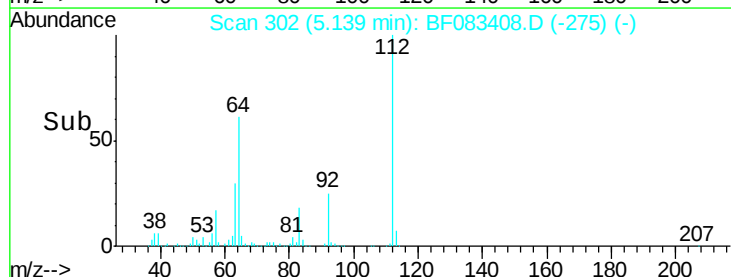
63 29.6 28.2 42.2

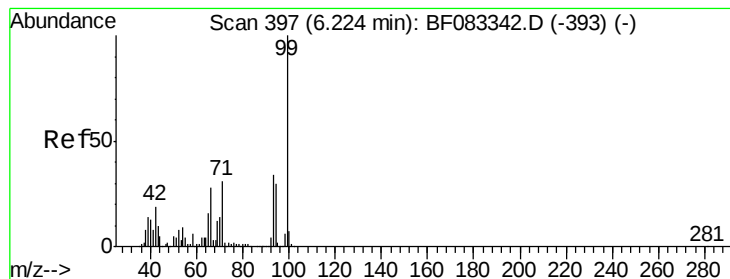


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 29.90 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083408.D

Acq: 2 Dec 2015 9:18

Instrument :

BNA_F

ClientSampled :

W-18

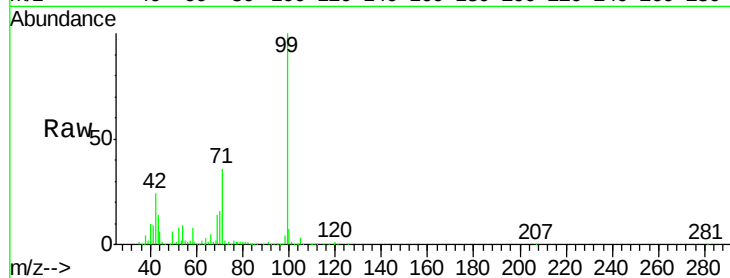
Tot Ion: 99 Resp: 511828

Ion Ratio Lower Upper

99 100

42 24.3 14.9 22.3#

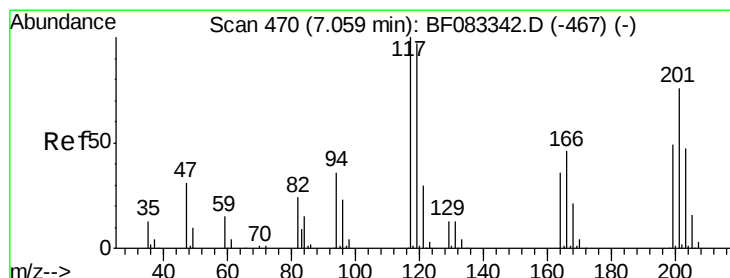
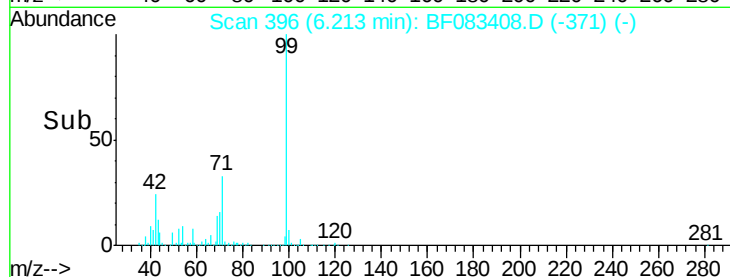
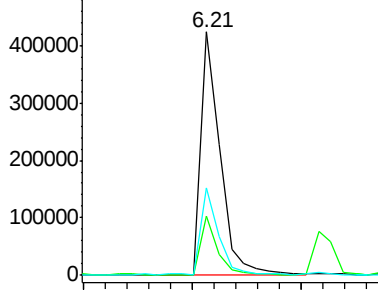
71 35.7 24.7 37.1



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



#18

Hexachloroethane

Concen: 4.86 ng

RT: 7.05 min Scan# 469

Delta R.T. -0.01 min

Lab File: BF083408.D

Acq: 2 Dec 2015 9:18

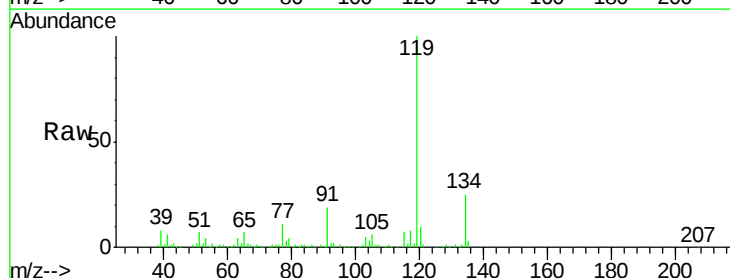
Tgt Ion: 117 Resp: 26750

Ion Ratio Lower Upper

117 100

119 1333.3 77.3 115.9#

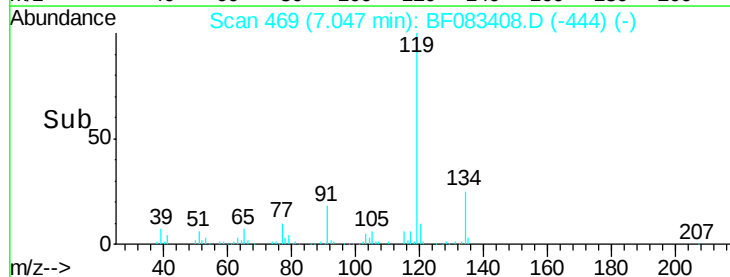
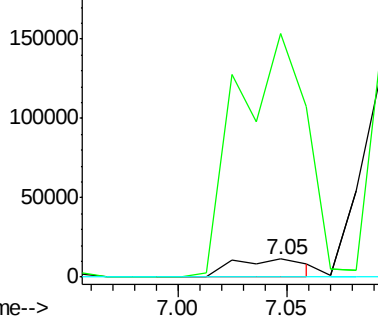
201 0.0 60.6 90.8#

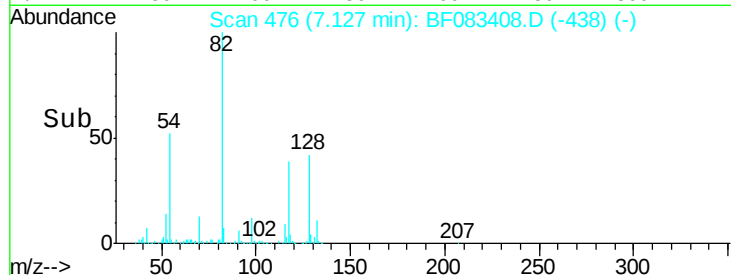
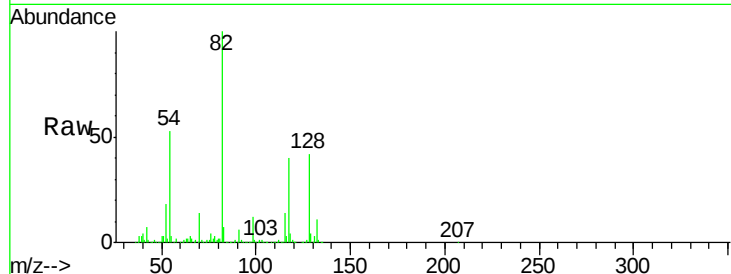
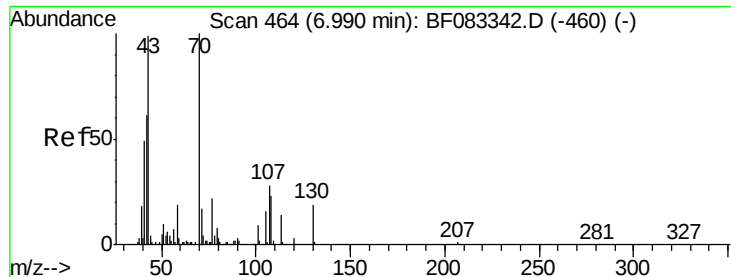


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

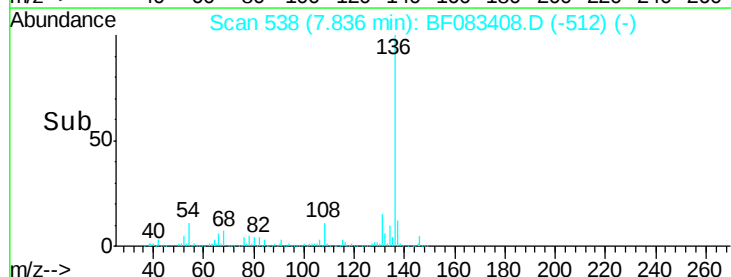
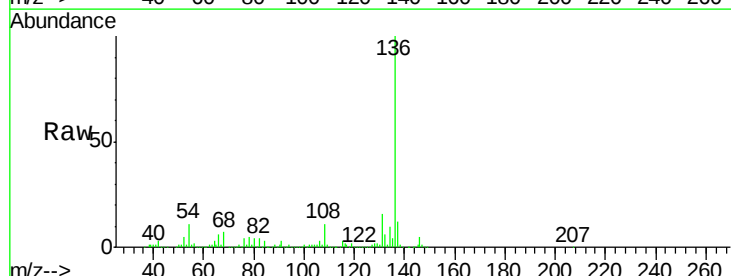
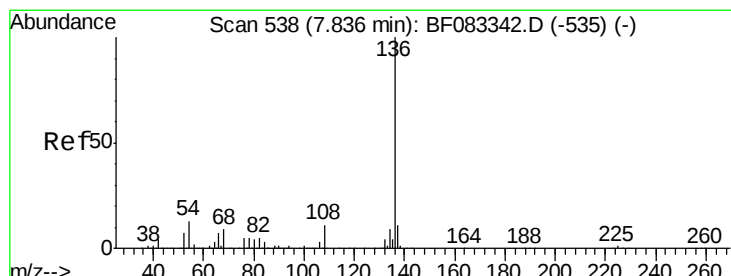
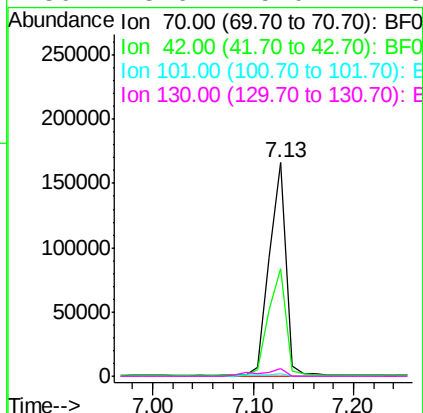




#19
n-Nitroso-di-n-propylamine
Concen: 15.64 ng
RT: 7.13 min Scan# 476
Delta R.T. 0.14 min
Lab File: BF083408.D
Acq: 2 Dec 2015 9:18

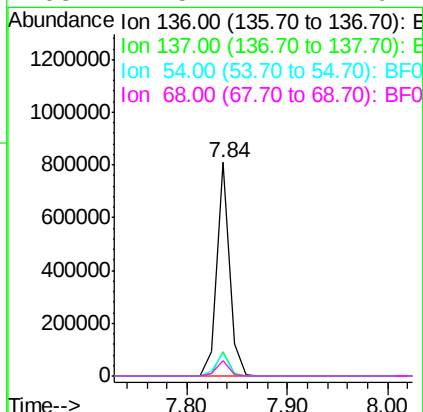
Instrument :
BNA_F
ClientSampleId :
W-18

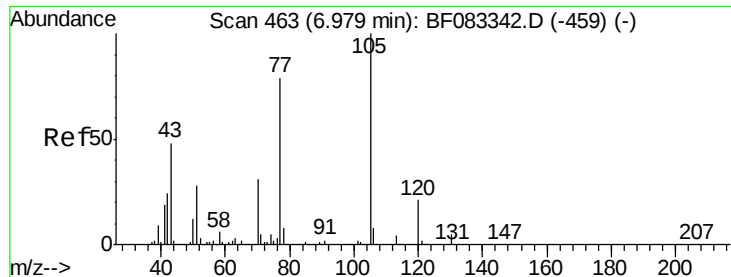
Tot Ion	Ratio	Lower	Upper
70	100		
42	50.5	48.8	73.2
101	1.3	7.1	10.7
130	3.6	15.0	22.6



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 538
Delta R.T. 0.00 min
Lab File: BF083408.D
Acq: 2 Dec 2015 9:18

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.0	13.4
54	10.6	10.1	15.1
68	7.5	7.1	10.7





#22

Acetophenone

Concen: 5.26 ng

RT: 6.96 min Scan# 461

Delta R.T. -0.02 min

Lab File: BF083408.D

Acq: 2 Dec 2015 9:18

Instrument :

BNA_F

ClientSampleId :

W-18

Tot Ion:105 Resp: 112343

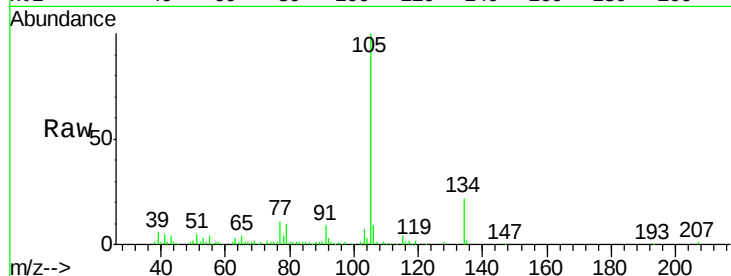
Ion Ratio Lower Upper

105 100

71 0.6 4.3 6.5#

51 4.8 22.9 34.3#

120 0.0 16.7 25.1#

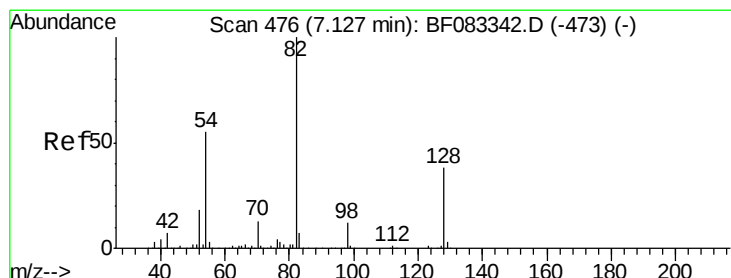
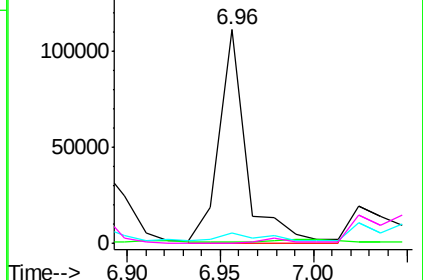
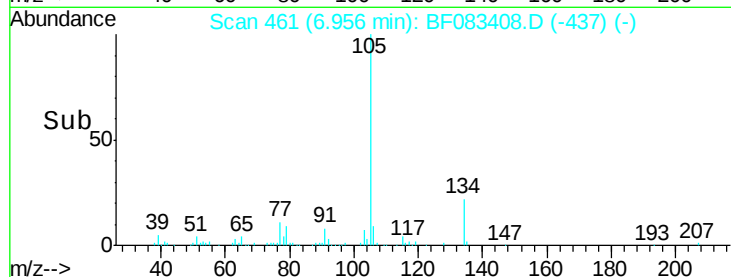


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 86.17 ng

RT: 7.13 min Scan# 476

Delta R.T. 0.00 min

Lab File: BF083408.D

Acq: 2 Dec 2015 9:18

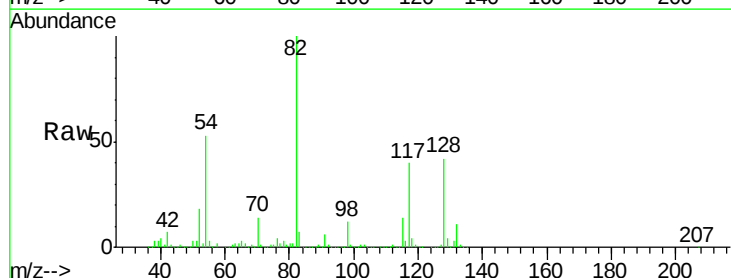
Tgt Ion: 82 Resp: 1398165

Ion Ratio Lower Upper

82 100

128 41.5 30.6 46.0

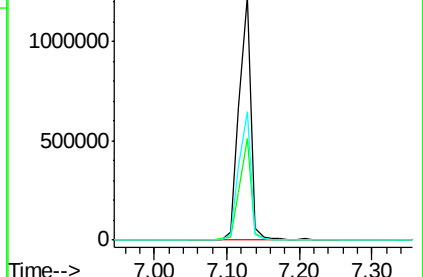
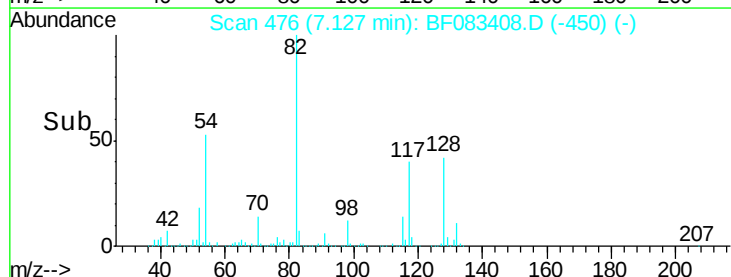
54 52.8 43.8 65.6

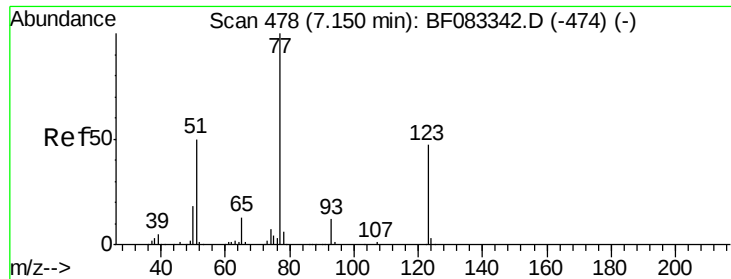


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

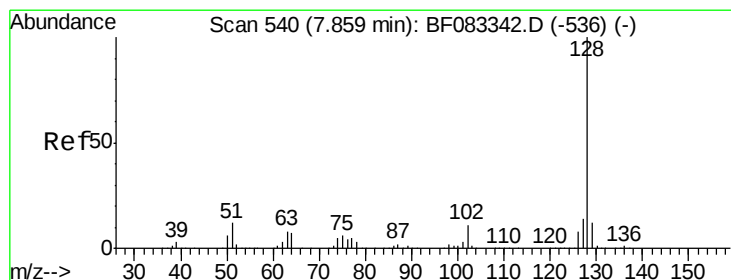
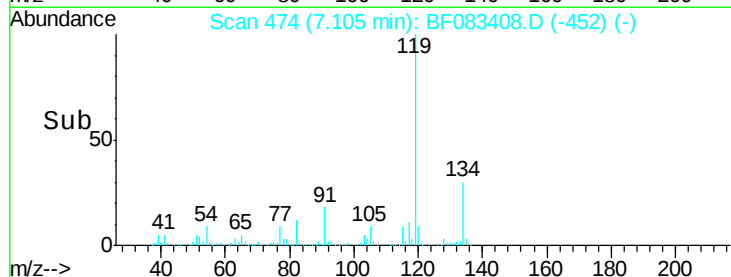
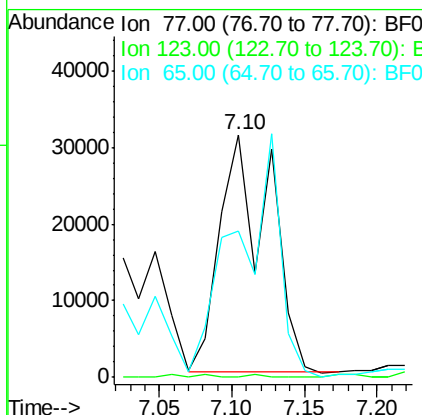
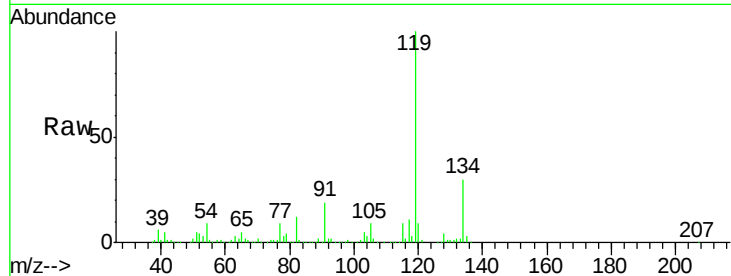




#24
 Nitrobenzene
 Concen: 4.19 ng
 RT: 7.10 min Scan# 474
 Delta R.T. -0.05 min
 Lab File: BF083408.D
 Acq: 2 Dec 2015 9:18

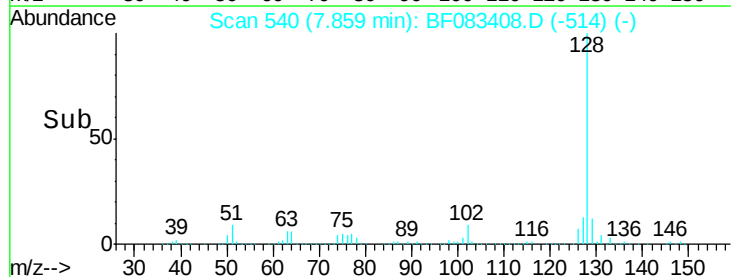
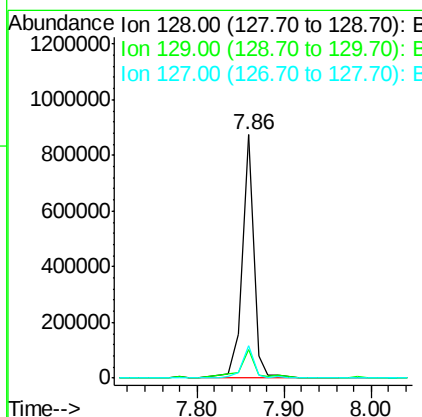
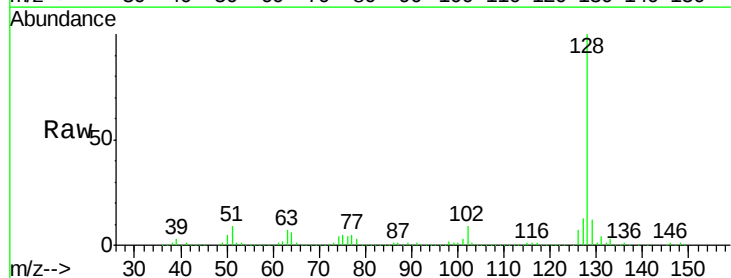
Instrument :
 BNA_F
 ClientSampleId :
 W-18

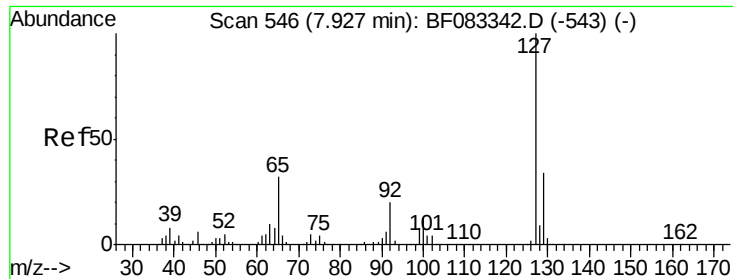
Tot Ion: 77 Resp: 72661
 Ion Ratio Lower Upper
 77 100
 123 0.0 37.4 56.0#
 65 60.5 10.6 15.8#



#31
 Naphthalene
 Concen: 20.73 ng
 RT: 7.86 min Scan# 540
 Delta R.T. 0.00 min
 Lab File: BF083408.D
 Acq: 2 Dec 2015 9:18

Tgt Ion: 128 Resp: 802285
 Ion Ratio Lower Upper
 128 100
 129 11.8 9.7 14.5
 127 13.4 11.0 16.4

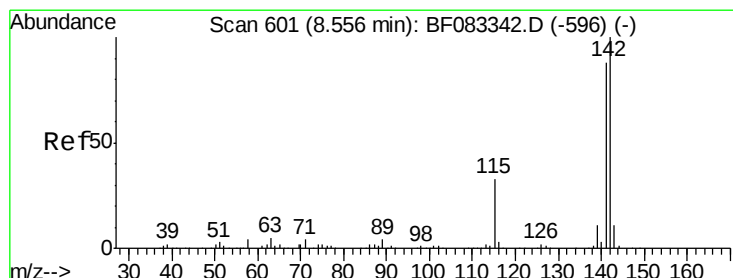
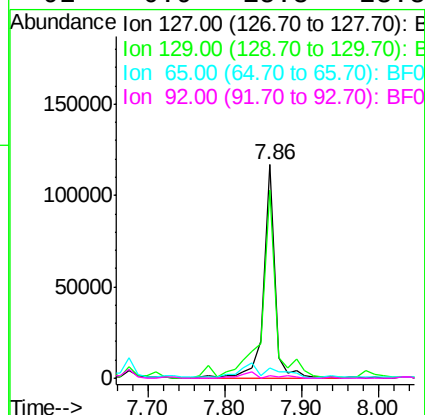
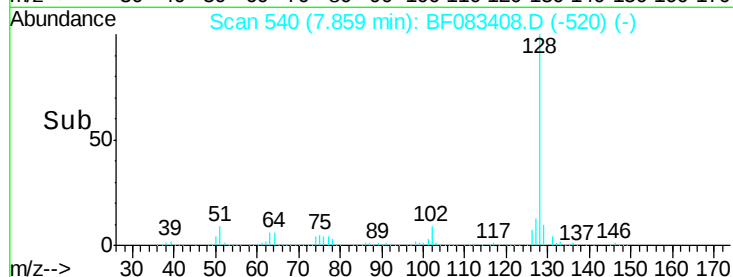
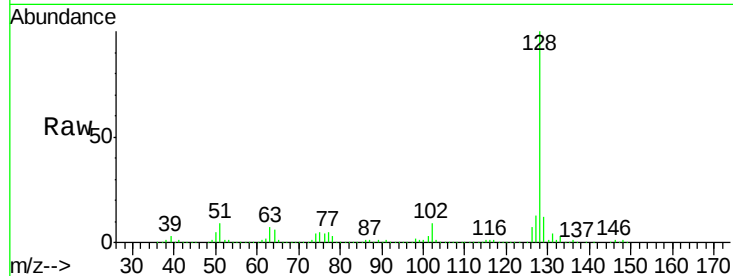




#33
4-Chloroaniline
Concen: 7.11 ng
RT: 7.86 min Scan# 540
Delta R.T. -0.07 min
Lab File: BF083408.D
Acq: 2 Dec 2015 9:18

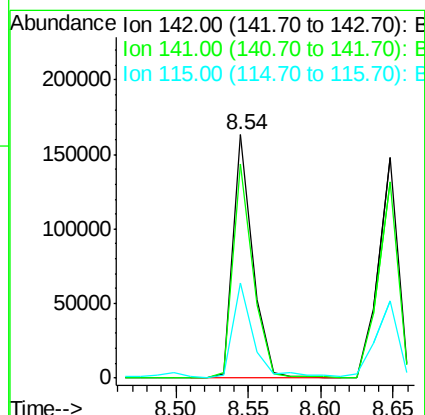
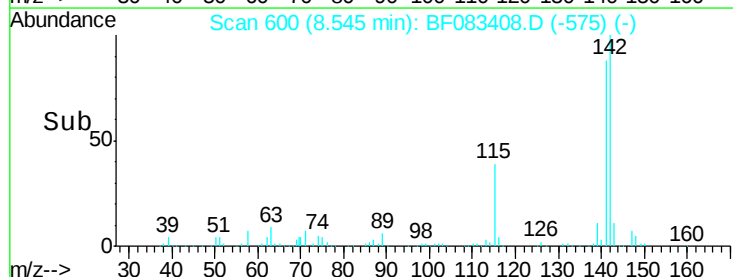
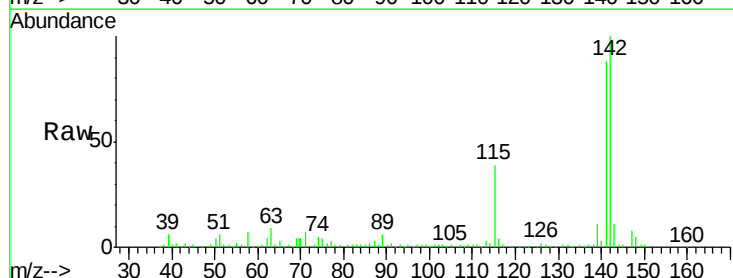
Instrument :
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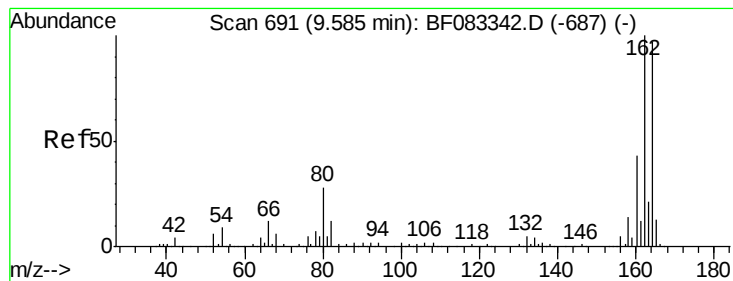
Tot Ion:	127	Resp:	118554
Ion	Ratio	Lower	Upper
127	100		
129	88.1	27.0	40.4#
65	4.6	25.9	38.9#
92	0.9	15.8	23.8#



#37
2-Methylnaphthalene
Concen: 5.99 ng
RT: 8.54 min Scan# 600
Delta R.T. -0.01 min
Lab File: BF083408.D
Acq: 2 Dec 2015 9:18

Tgt Ion:	142	Resp:	154945
Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.6	105.8
115	39.2	26.2	39.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.58 min Scan# 691

Delta R.T. 0.00 min

Lab File: BF083408.D

Acq: 2 Dec 2015 9:18

Instrument :

BNA_F

ClientSampled :

W-18

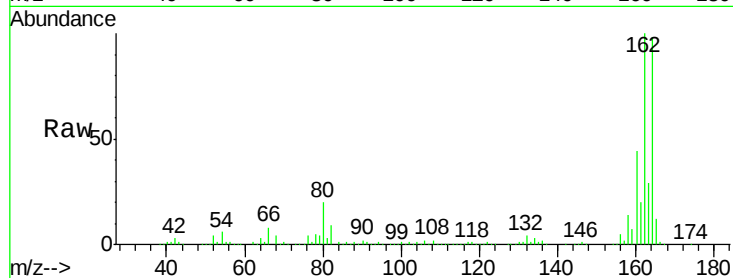
Tot Ion:164 Resp: 360289

Ion Ratio Lower Upper

164 100

162 102.0 82.6 123.8

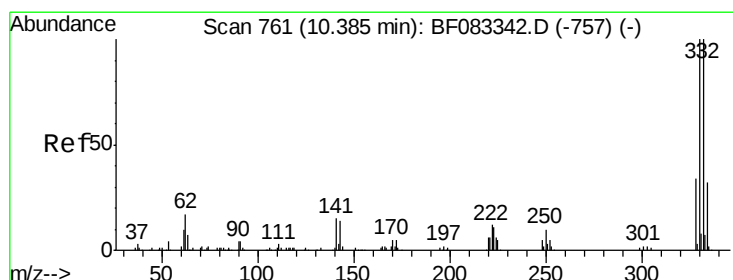
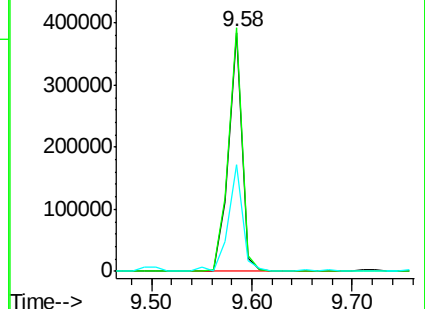
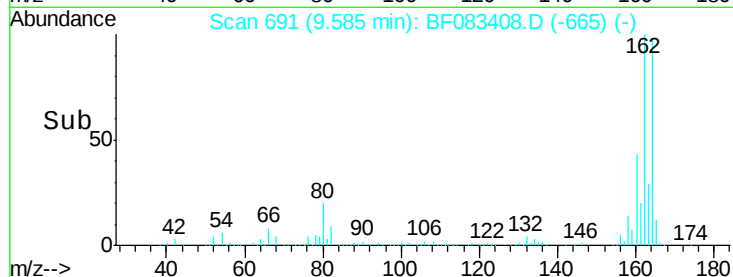
160 44.9 35.3 52.9



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: 74.36 ng

RT: 10.37 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF083408.D

Acq: 2 Dec 2015 9:18

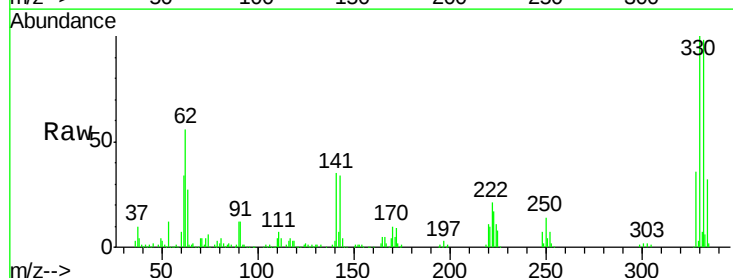
Tgt Ion:330 Resp: 268926

Ion Ratio Lower Upper

330 100

332 97.3 77.8 116.6

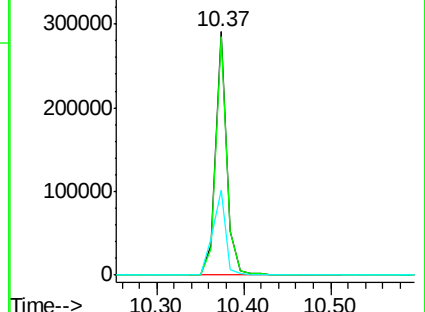
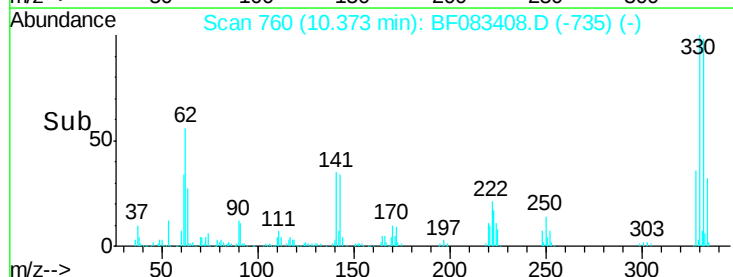
141 39.8 29.4 44.0

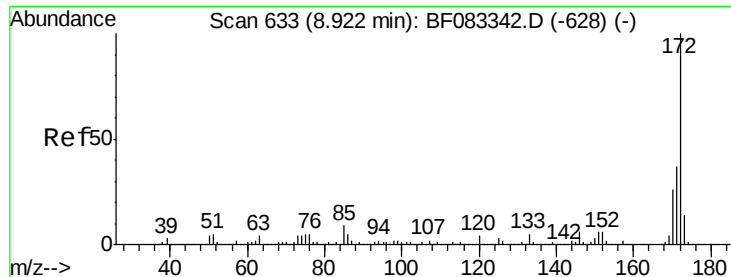


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

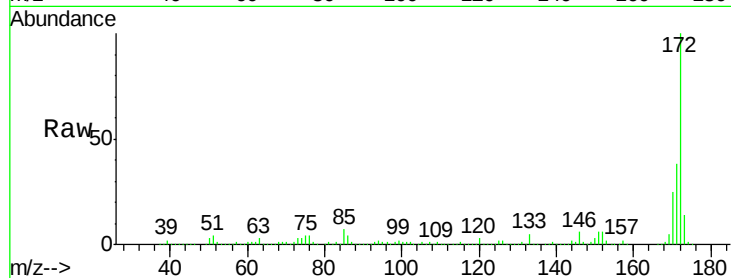




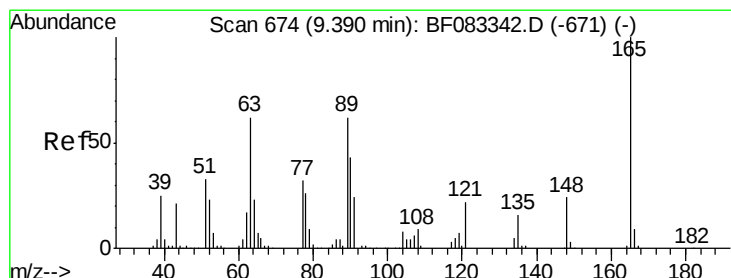
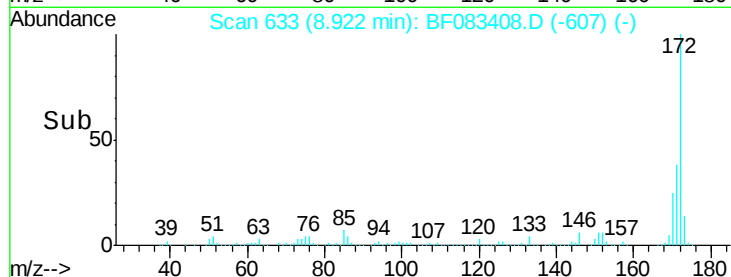
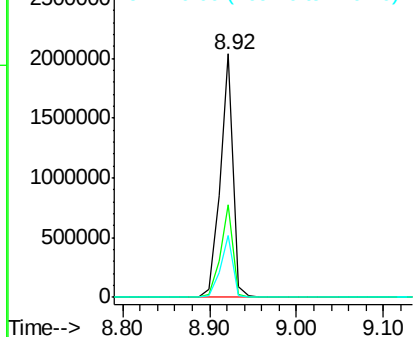
#44
 2-Fluorobiphenyl
 Concen: 83.12 ng
 RT: 8.92 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: BF083408.D
 Acq: 2 Dec 2015 9:18

Instrument :
 BNA_F
 ClientSampleId :
 W-18

Tot Ion:172 Resp: 2101452
 Ion Ratio Lower Upper
 172 100
 171 37.9 29.4 44.0
 170 25.3 20.4 30.6

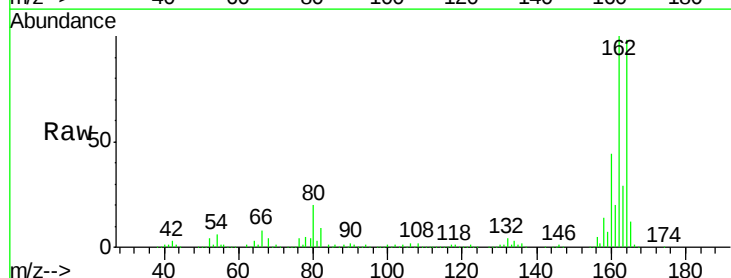


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

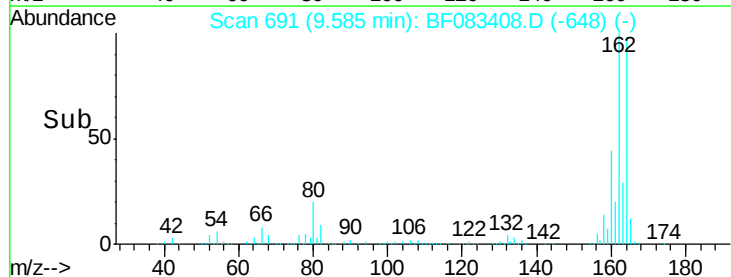
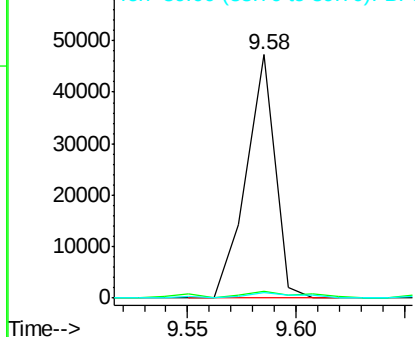


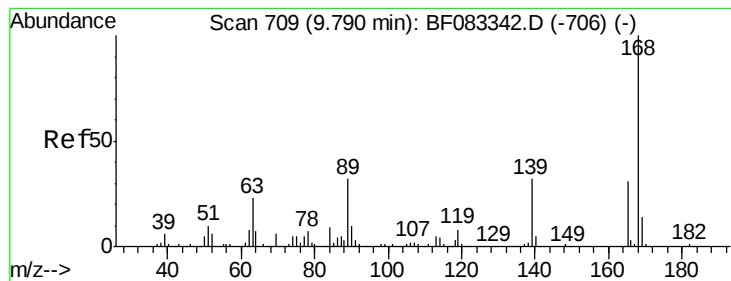
#50
 2,6-Dinitrotoluene
 Concen: 6.99 ng
 RT: 9.58 min Scan# 691
 Delta R.T. 0.19 min
 Lab File: BF083408.D
 Acq: 2 Dec 2015 9:18

Tgt Ion:165 Resp: 43703
 Ion Ratio Lower Upper
 165 100
 63 2.9 56.0 84.0#
 89 2.1 49.8 74.8#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 5.51 ng

RT: 9.58 min Scan# 691

Delta R.T. -0.21 min

Lab File: BF083408.D

Acq: 2 Dec 2015 9:18

Instrument :

BNA_F

ClientSampleId :

W-18

Tot Ion:165 Resp: 43703

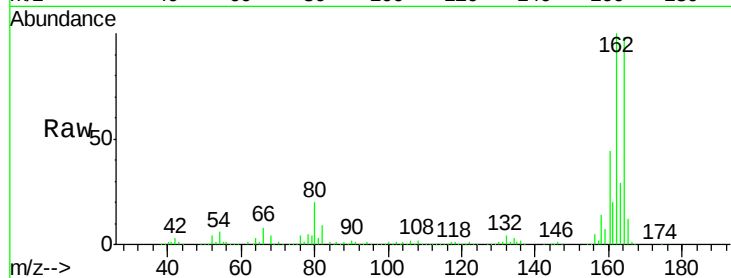
Ion Ratio Lower Upper

165 100

63 2.9 65.4 98.0#

89 2.1 81.2 121.8#

182 0.0 1.8 2.8#

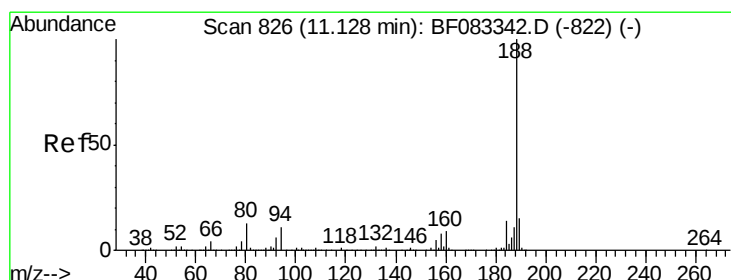
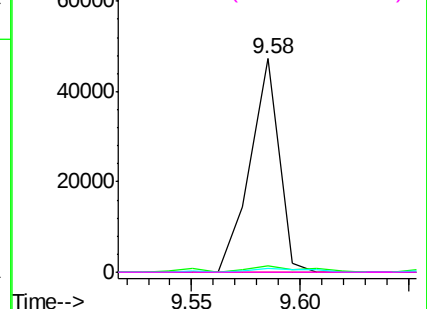
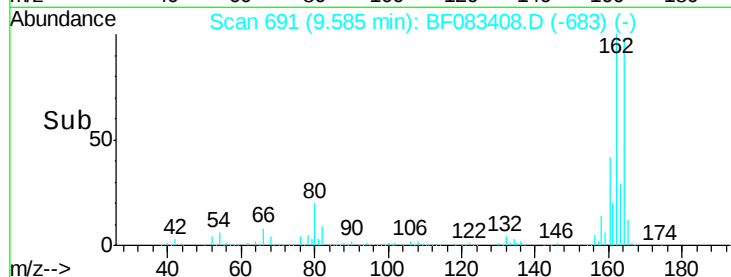


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.13 min Scan# 826

Delta R.T. 0.00 min

Lab File: BF083408.D

Acq: 2 Dec 2015 9:18

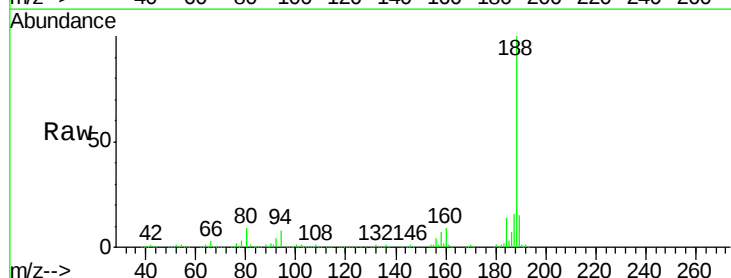
Tgt Ion:188 Resp: 607845

Ion Ratio Lower Upper

188 100

94 8.1 8.7 13.1#

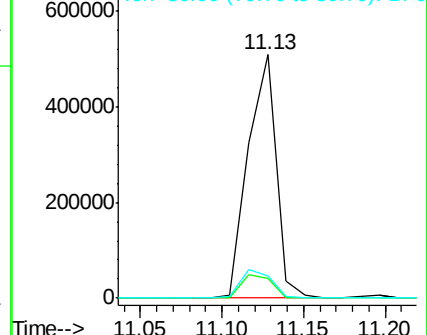
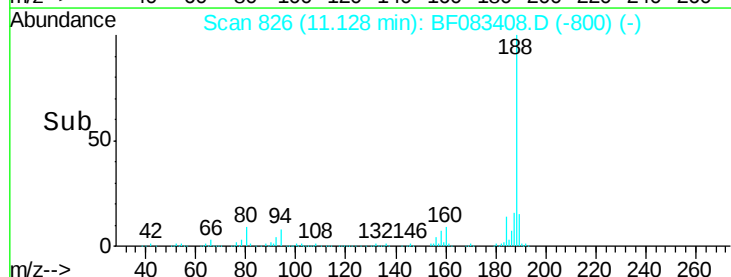
80 9.0 10.3 15.5#

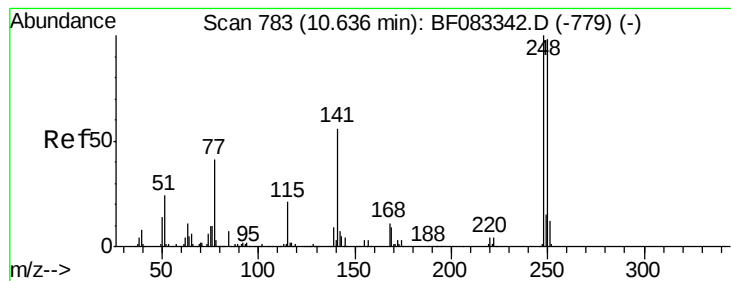


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 2.40 ng

RT: 10.37 min Scan# 760

Delta R.T. -0.26 min

Lab File: BF083408.D

Acq: 2 Dec 2015 9:18

Instrument :

BNA_F

ClientSampled :

W-18

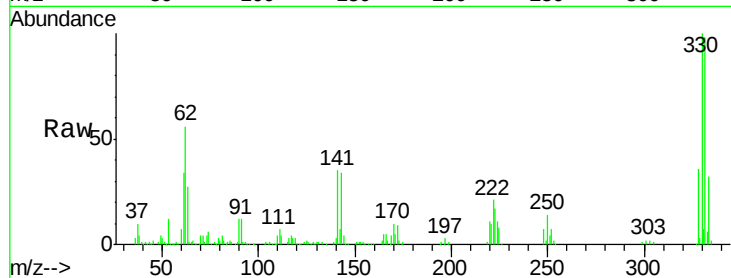
Tot Ion:248 Resp: 15947

Ion Ratio Lower Upper

248 100

250 191.2 78.6 118.0#

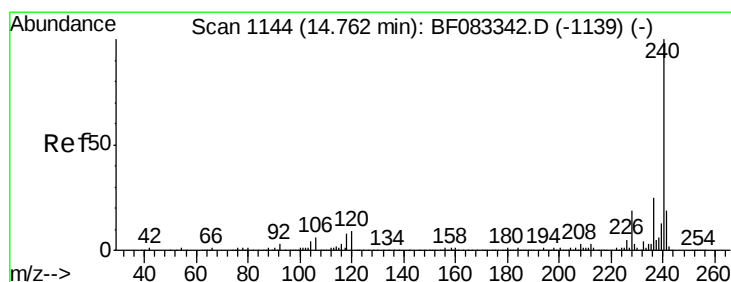
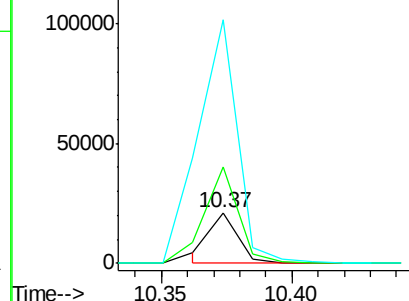
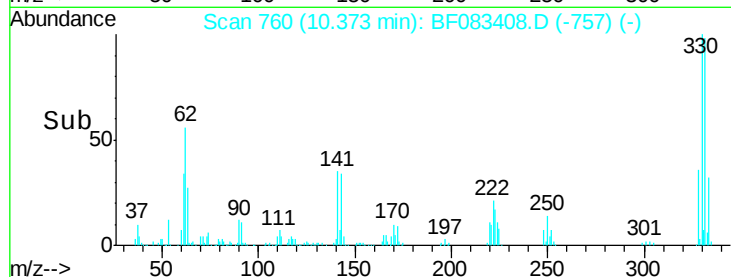
141 481.7 44.4 66.6#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.75 min Scan# 1143

Delta R.T. -0.01 min

Lab File: BF083408.D

Acq: 2 Dec 2015 9:18

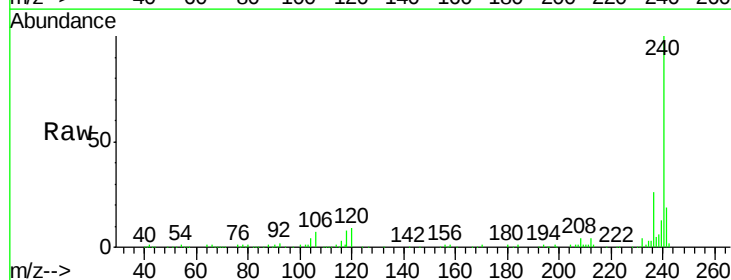
Tgt Ion:240 Resp: 398560

Ion Ratio Lower Upper

240 100

120 9.1 6.9 10.3

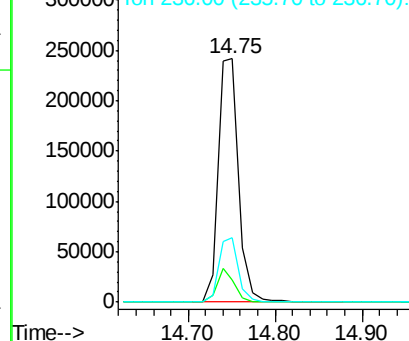
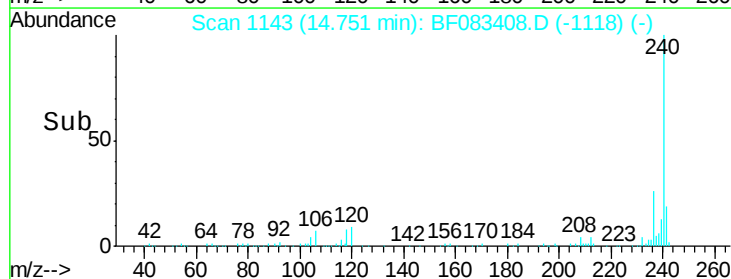
236 26.3 19.8 29.6

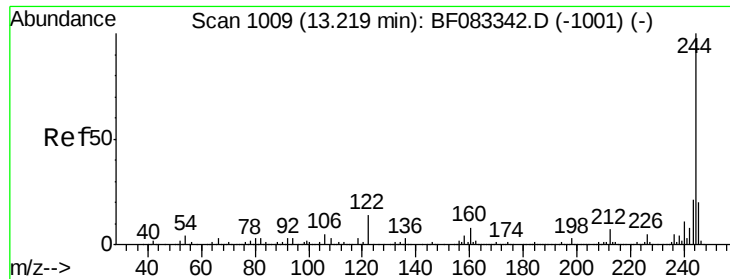


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

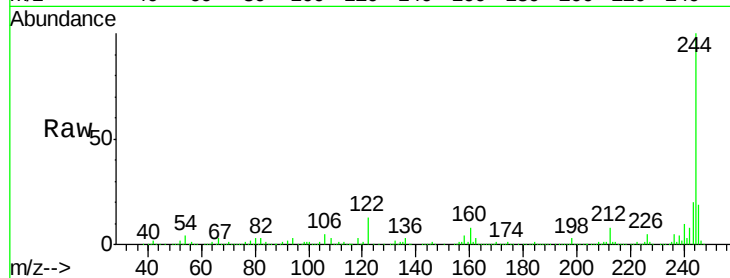




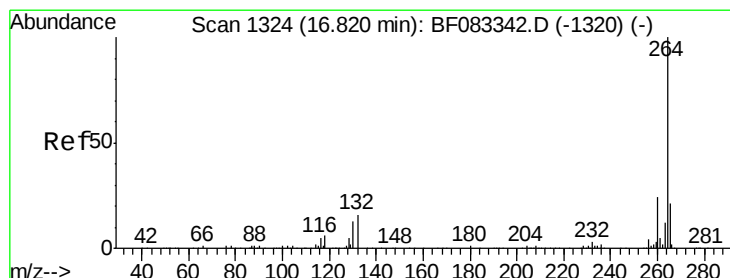
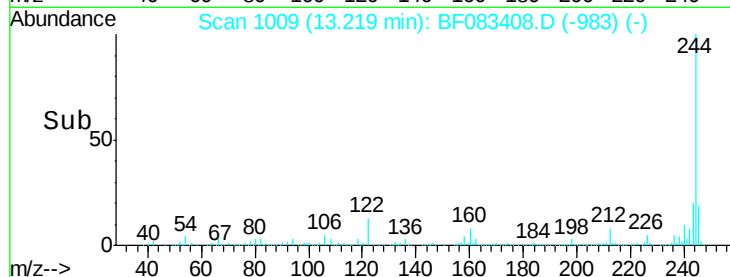
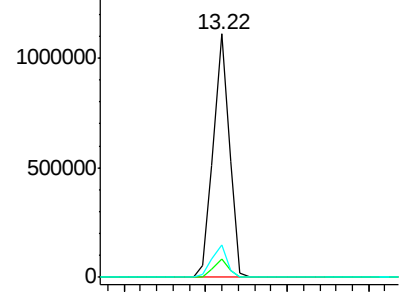
#78
 Terphenyl-d14
 Concen: 91.86 ng
 RT: 13.22 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: BF083408.D
 Acq: 2 Dec 2015 9:18

Instrument :
 BNA_F
 ClientSampled :
 W-18

Tot Ion:244 Resp: 1535141
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.8 8.8
 122 13.1 11.0 16.4

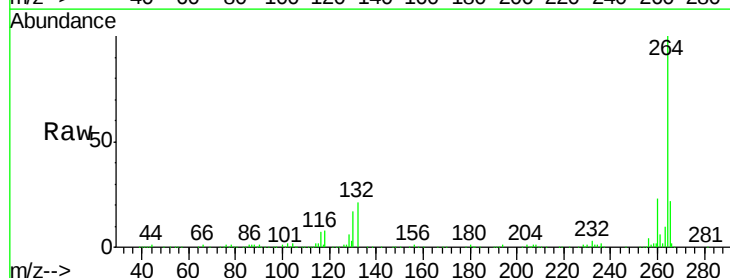


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.81 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: BF083408.D
 Acq: 2 Dec 2015 9:18

Tgt Ion:264 Resp: 414043
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.0 28.4
 265 22.2 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

