

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121915\
 Data File : BF083940.D
 Acq On : 19 Dec 2015 4:16
 Operator : UM/SJ
 Sample : G4840-05
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-40

Quant Time: Dec 19 05:46:21 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 14:23:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	73048	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	267828	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	127402	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	204643	20.00	ng	0.00
75) Chrysene-d12	14.02	240	161908	20.00	ng	-0.01
86) Perylene-d12	15.46	264	141334	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	299543	64.17	ng	0.00
7) Phenol-d6	6.51	99	233704	40.90	ng	0.00
23) Nitrobenzene-d5	7.44	82	451567	96.23	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	180118	128.33	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	691619	74.80	ng	-0.01
78) Terphenyl-d14	12.98	244	681389	99.46	ng	0.00

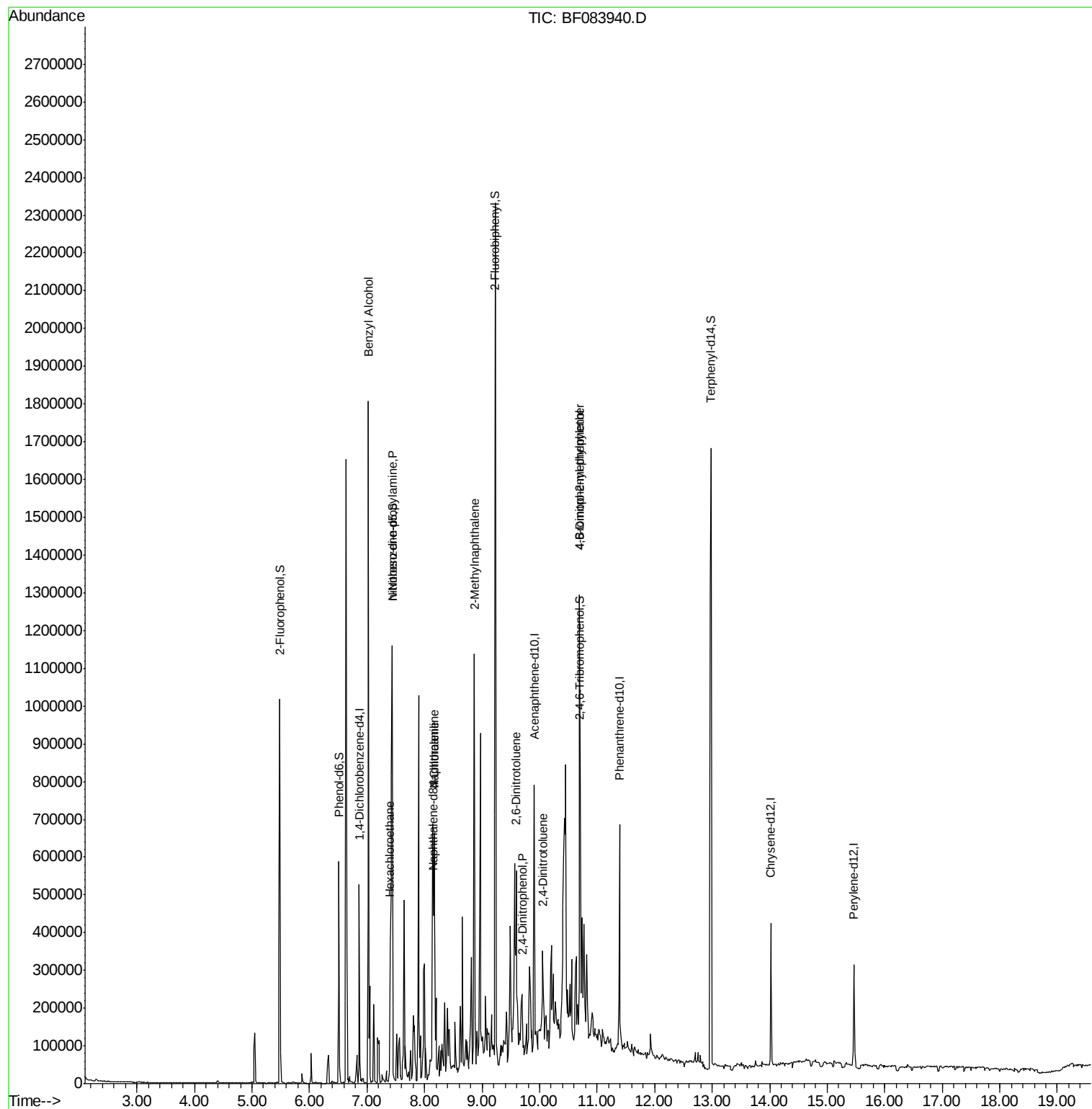
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	7.02	79	8708	2.01	ng	# 35
18) Hexachloroethane	7.40	117	45014	20.11	ng	# 1
19) n-Nitroso-di-n-propylamine	7.44	70	62333	18.71	ng	# 75
31) Naphthalene	8.17	128	293409	20.55	ng	99
33) 4-Chloroaniline	8.17	127	45844	7.54	ng	# 38
36) 4-Chloro-3-methylphenol	8.70	107	3134	Below Cal		# 31
37) 2-Methylnaphthalene	8.86	142	276354	29.69	ng	98
45) 1,1'-Biphenyl	9.23	154	1612	Below Cal		# 1
46) 2-Chloronaphthalene	9.40	162	4360	Below Cal		# 39
50) 2,6-Dinitrotoluene	9.60	165	6065	2.60	ng	# 11
53) 2,4-Dinitrophenol	9.70	184	304	10.61	ng	# 1
56) 2,4-Dinitrotoluene	10.05	165	9812	3.28	ng	# 52
57) Fluorene	10.45	166	10858	Below Cal		# 88
64) 4,6-Dinitro-2-methylphenol	10.69	198	256	4.12	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	11644	4.65	ng	# 1
77) Pyrene	12.83	202	538	Below Cal		# 43

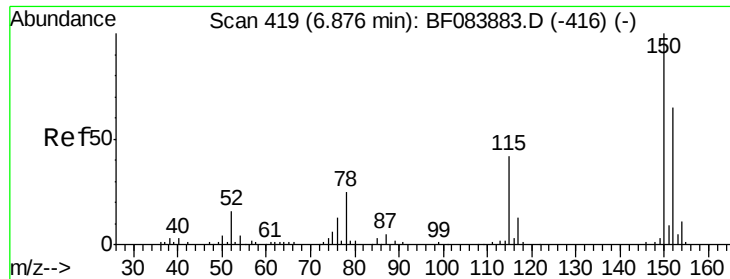
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF083940.D

Acq: 19 Dec 2015 4:16

Instrument :

BNA_F

ClientSampleId :

W-40

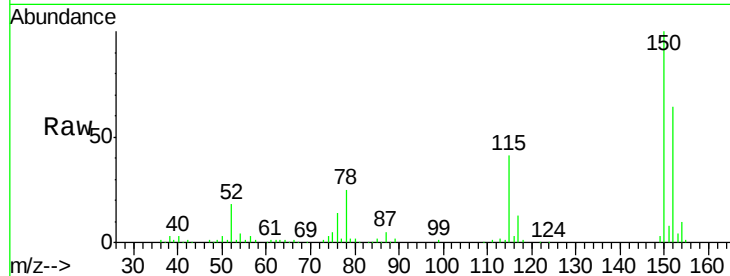
Tgt Ion:152 Resp: 73048

Ion Ratio Lower Upper

152 100

150 157.2 123.0 184.4

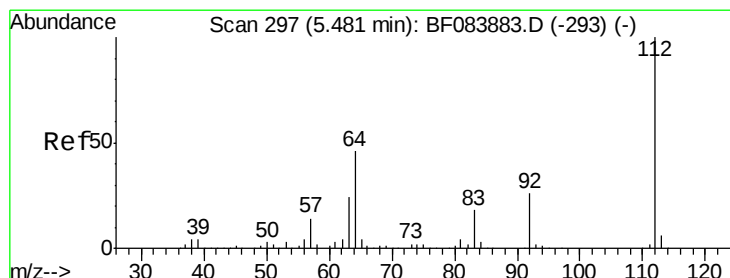
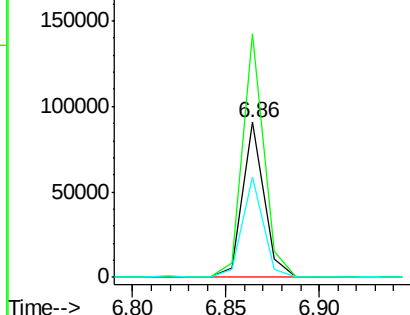
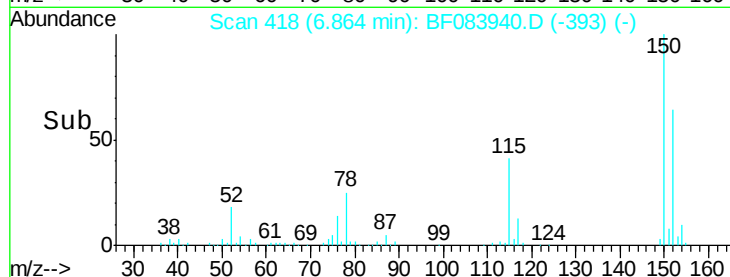
115 65.0 51.4 77.2



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: 64.17 ng

RT: 5.48 min Scan# 297

Delta R.T. -0.00 min

Lab File: BF083940.D

Acq: 19 Dec 2015 4:16

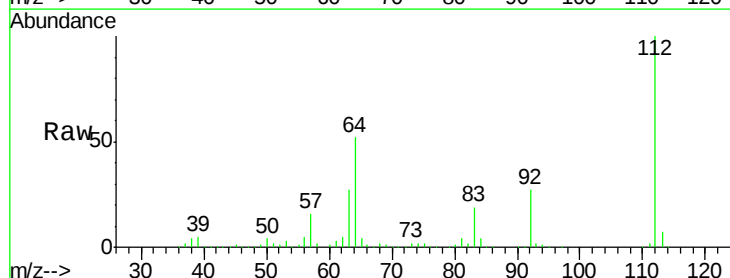
Tgt Ion:112 Resp: 299543

Ion Ratio Lower Upper

112 100

64 51.8 36.6 55.0

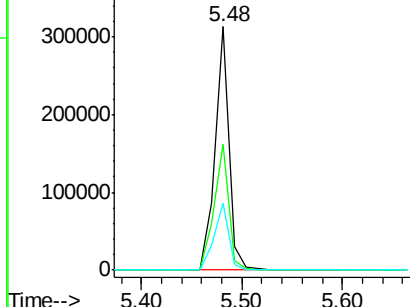
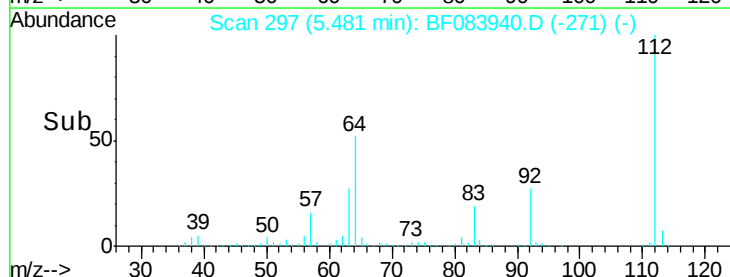
63 27.3 19.4 29.0

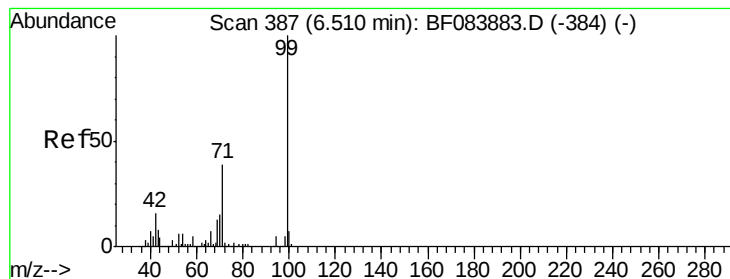


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 40.90 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF083940.D

Acq: 19 Dec 2015 4:16

Instrument :

BNA_F

ClientSampleId :

W-40

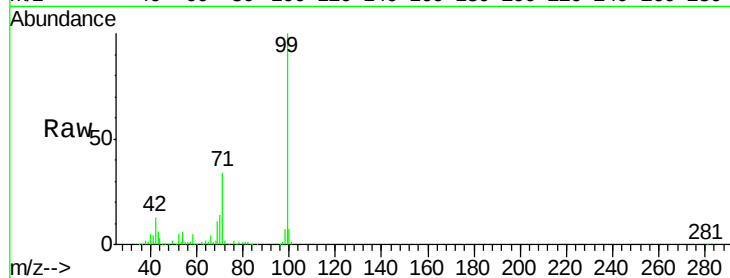
Tgt Ion: 99 Resp: 233704

Ion Ratio Lower Upper

99 100

42 12.7 12.8 19.2#

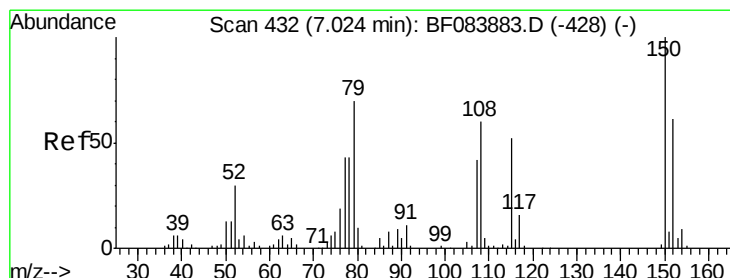
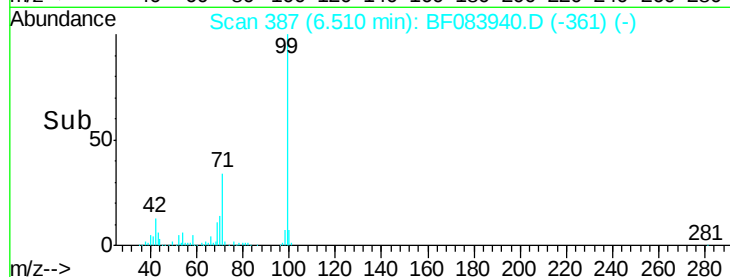
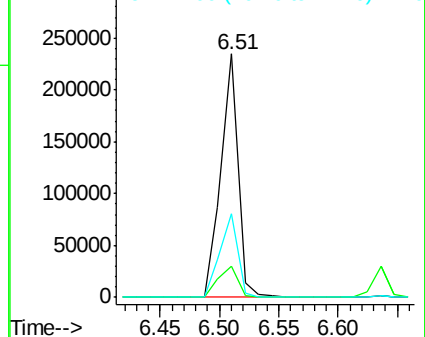
71 34.3 30.9 46.3



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



#15

Benzyl Alcohol

Concen: 2.01 ng

RT: 7.02 min Scan# 432

Delta R.T. -0.00 min

Lab File: BF083940.D

Acq: 19 Dec 2015 4:16

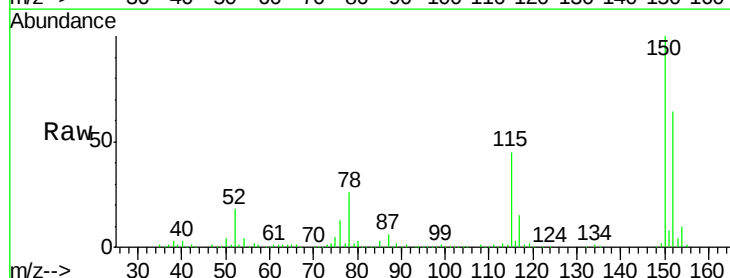
Tgt Ion: 79 Resp: 8708

Ion Ratio Lower Upper

79 100

108 31.6 69.0 103.4#

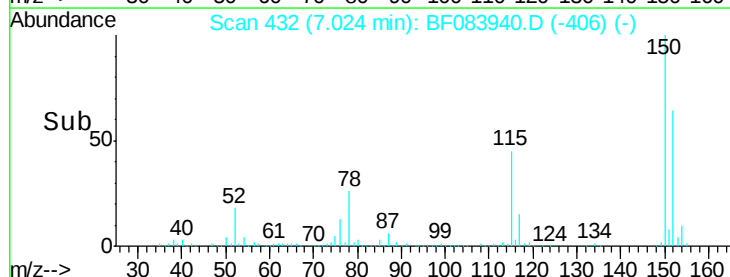
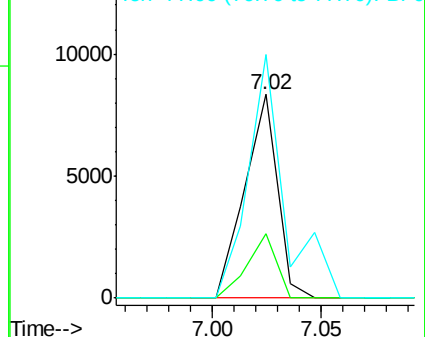
77 119.5 50.0 75.0#

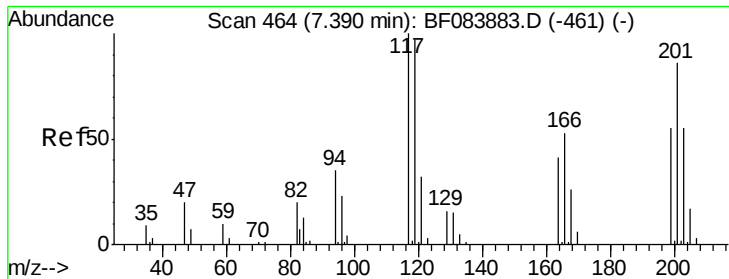


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

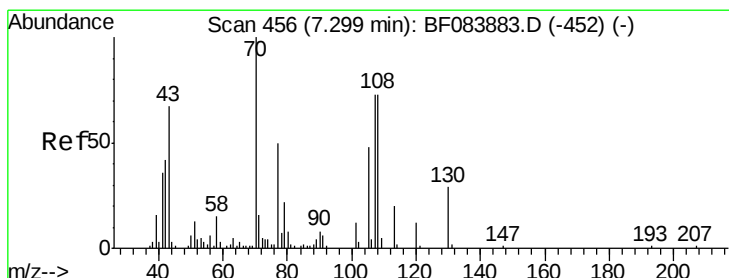
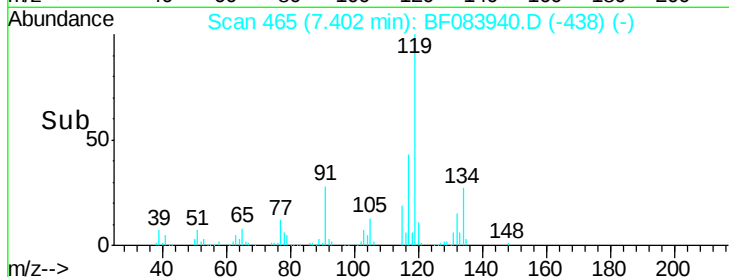
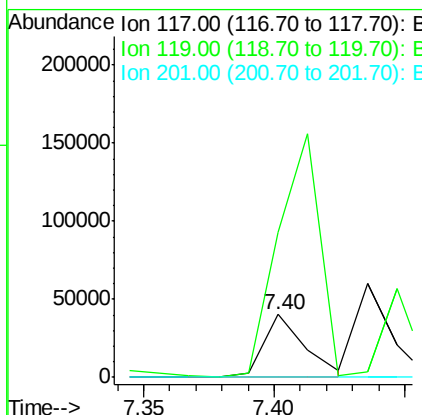
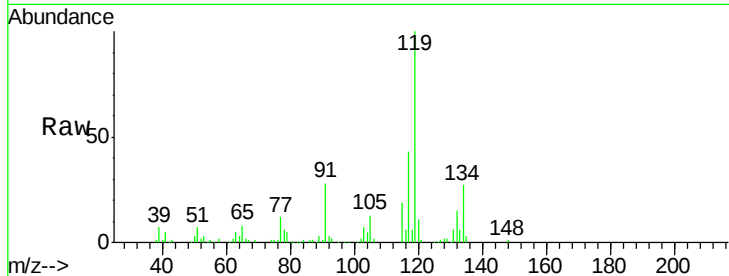




#18
Hexachloroethane
Concen: 20.11 ng
RT: 7.40 min Scan# 465
Delta R.T. 0.01 min
Lab File: BF083940.D
Acq: 19 Dec 2015 4:16

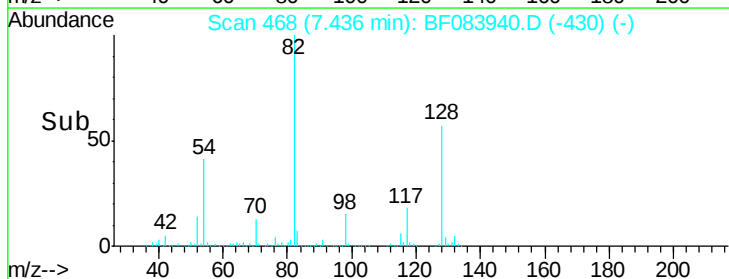
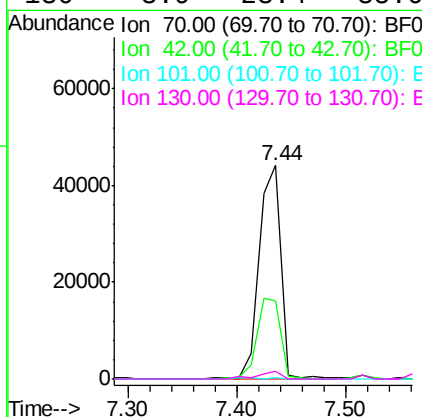
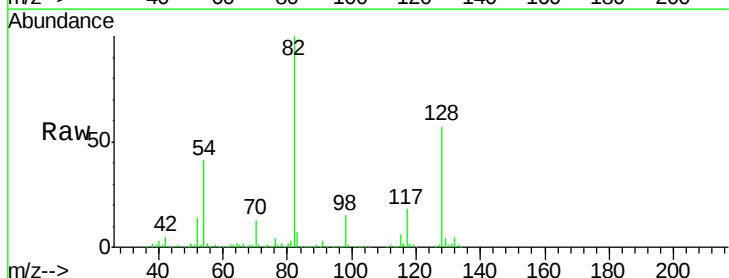
Instrument :
BNA_F
ClientSampleId :
W-40

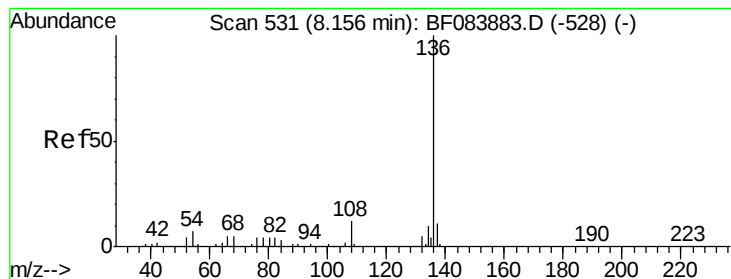
Tgt Ion: 117 Resp: 45014
Ion Ratio Lower Upper
117 100
119 230.6 77.4 116.0#
201 0.0 68.6 103.0#



#19
n-Nitroso-di-n-propylamine
Concen: 18.71 ng
RT: 7.44 min Scan# 468
Delta R.T. 0.14 min
Lab File: BF083940.D
Acq: 19 Dec 2015 4:16

Tgt Ion: 70 Resp: 62333
Ion Ratio Lower Upper
70 100
42 36.5 33.3 49.9
101 0.8 9.3 13.9#
130 3.9 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.00 min

Lab File: BF083940.D

Acq: 19 Dec 2015 4:16

Instrument :

BNA_F

ClientSampleId :

W-40

Tgt Ion:136 Resp: 267828

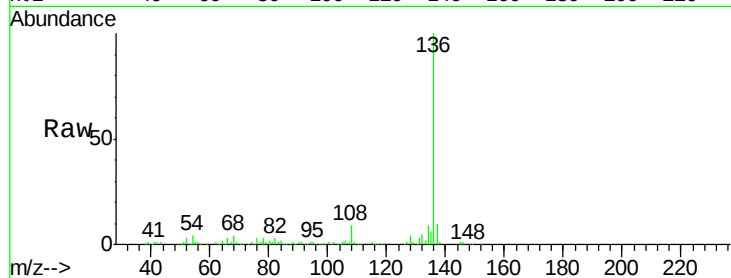
Ion Ratio Lower Upper

136 100

137 10.1 8.7 13.1

54 4.2 5.8 8.8#

68 3.8 4.2 6.2#

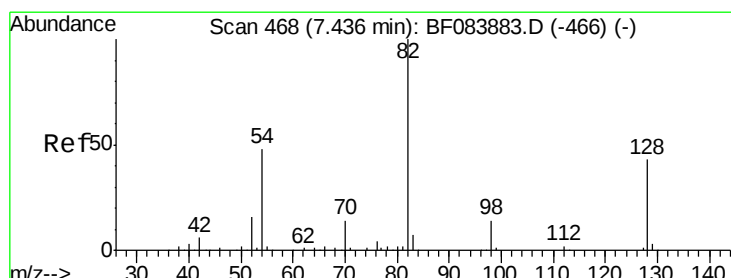
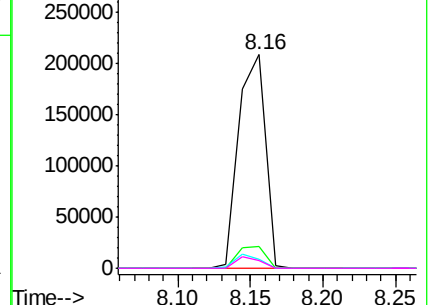
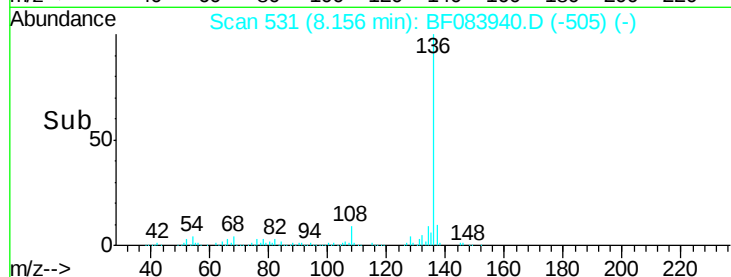


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.23 ng

RT: 7.44 min Scan# 468

Delta R.T. -0.00 min

Lab File: BF083940.D

Acq: 19 Dec 2015 4:16

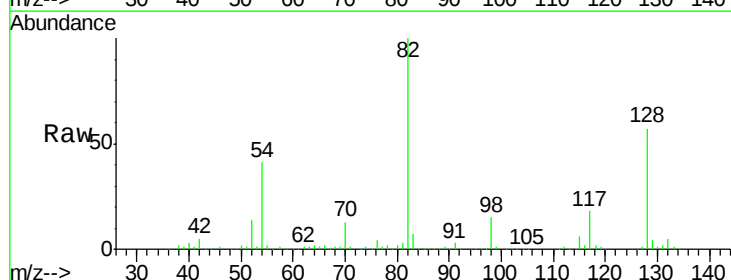
Tgt Ion: 82 Resp: 451567

Ion Ratio Lower Upper

82 100

128 56.7 34.6 51.8#

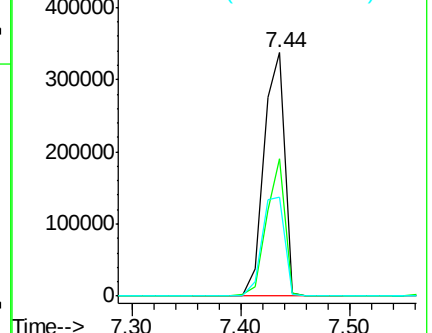
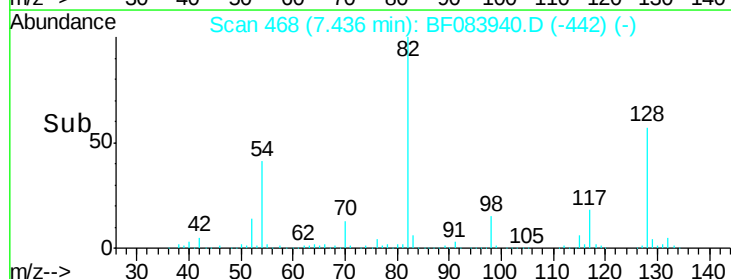
54 40.7 38.4 57.6

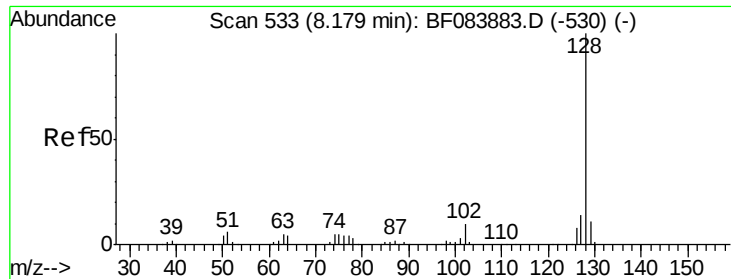


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

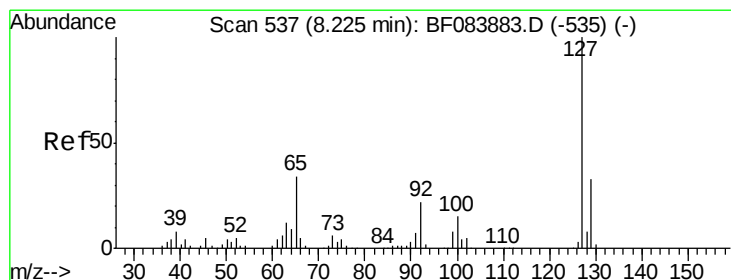
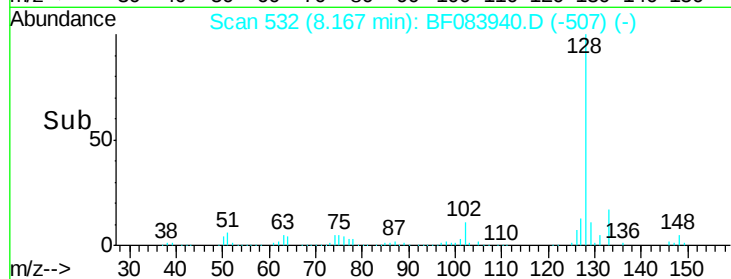
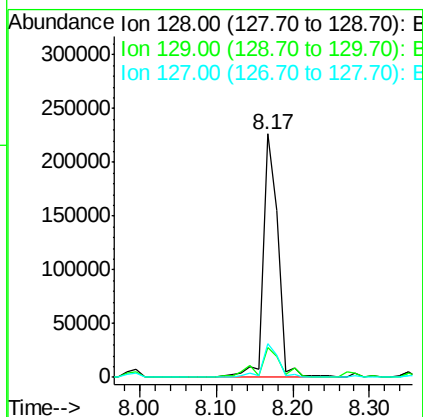
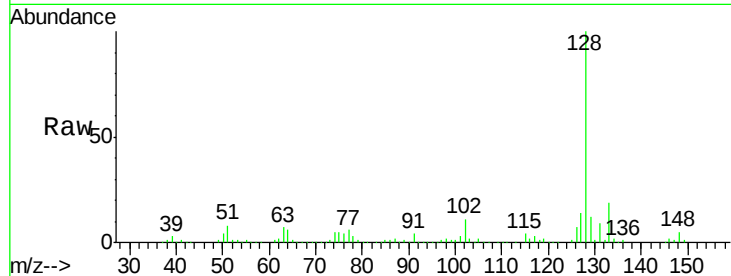




#31
Naphthalene
Concen: 20.55 ng
RT: 8.17 min Scan# 532
Delta R.T. -0.01 min
Lab File: BF083940.D
Acq: 19 Dec 2015 4:16

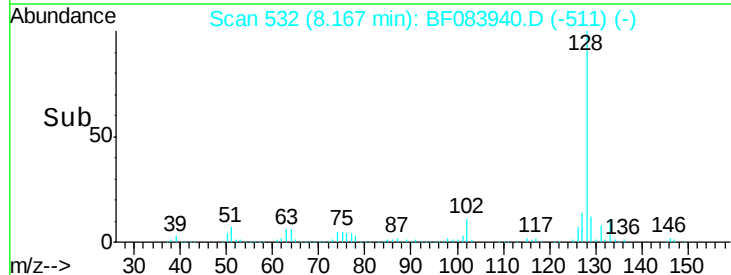
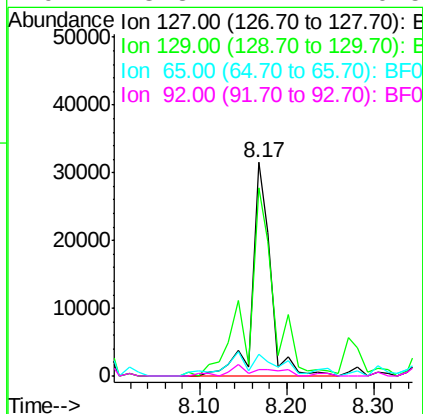
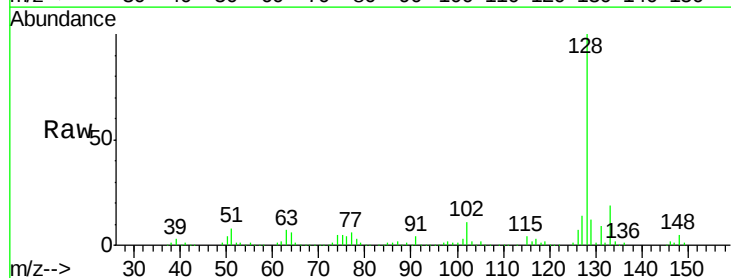
Instrument :
BNA_F
ClientSampleId :
W-40

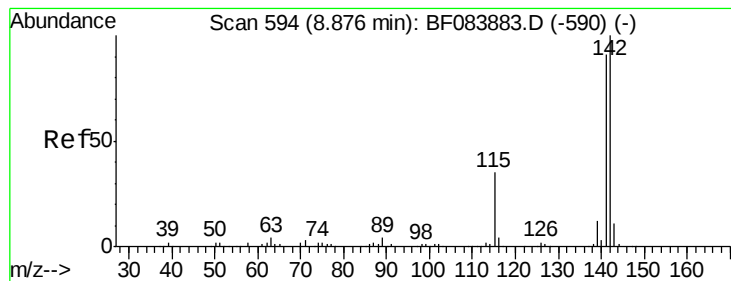
Tgt Ion:128 Resp: 293409
Ion Ratio Lower Upper
128 100
129 12.3 9.1 13.7
127 13.9 11.1 16.7



#33
4-Chloroaniline
Concen: 7.54 ng
RT: 8.17 min Scan# 532
Delta R.T. -0.06 min
Lab File: BF083940.D
Acq: 19 Dec 2015 4:16

Tgt Ion:127 Resp: 45844
Ion Ratio Lower Upper
127 100
129 88.1 26.5 39.7#
65 10.3 27.2 40.8#
92 3.3 17.7 26.5#





#37

2-Methylnaphthalene

Concen: 29.69 ng

RT: 8.86 min Scan# 593

Delta R.T. -0.01 min

Lab File: BF083940.D

Acq: 19 Dec 2015 4:16

Instrument :

BNA_F

ClientSampleId :

W-40

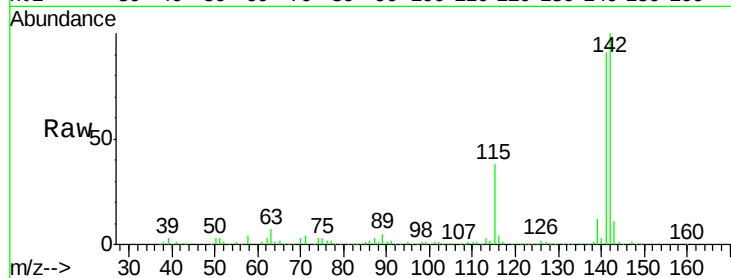
Tgt Ion:142 Resp: 276354

Ion Ratio Lower Upper

142 100

141 90.9 72.4 108.6

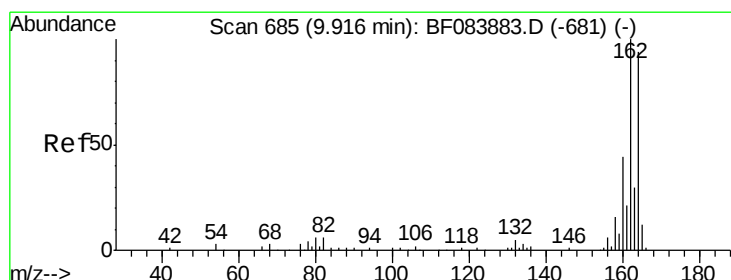
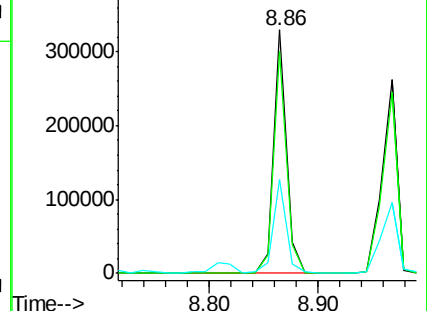
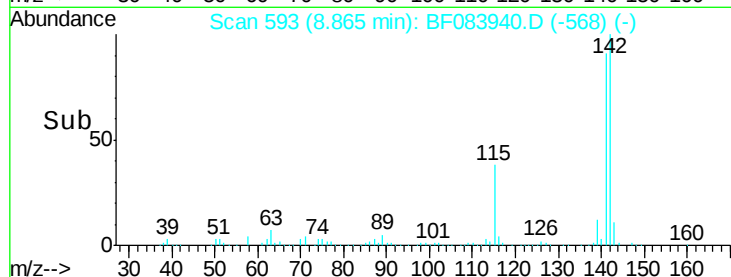
115 38.5 27.9 41.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF083940.D

Acq: 19 Dec 2015 4:16

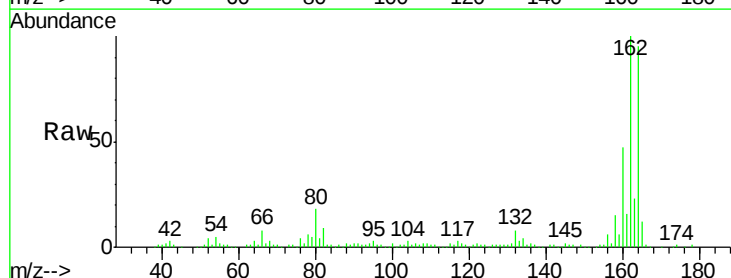
Tgt Ion:164 Resp: 127402

Ion Ratio Lower Upper

164 100

162 105.4 85.1 127.7

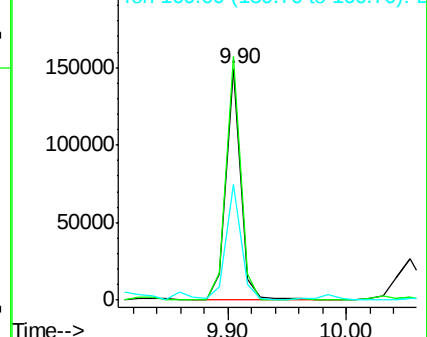
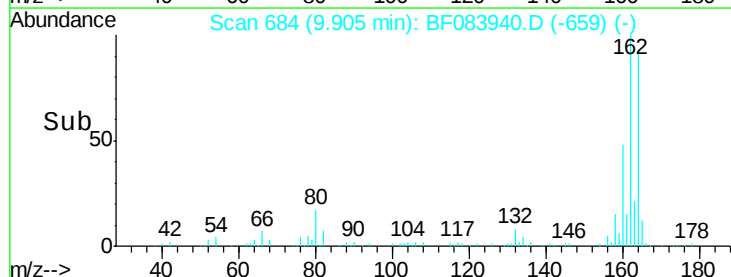
160 50.0 37.5 56.3

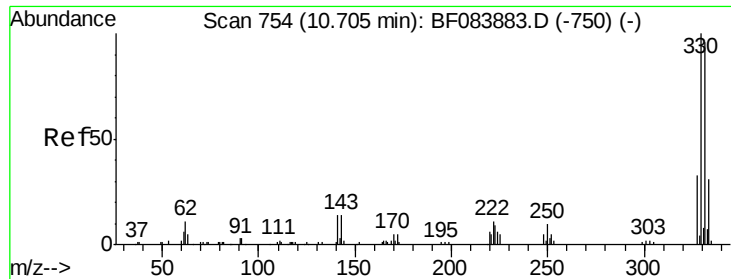


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

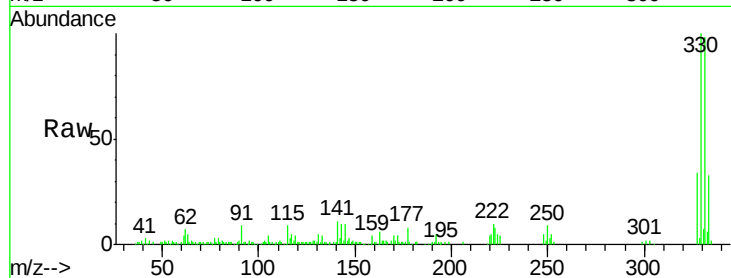




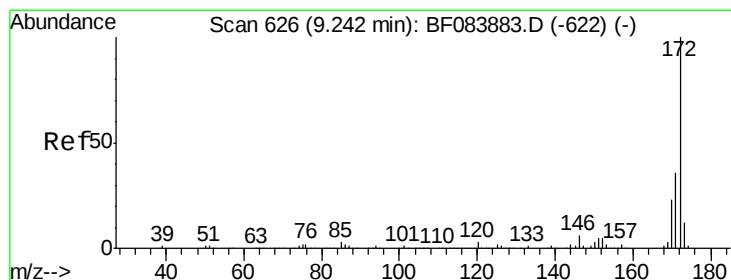
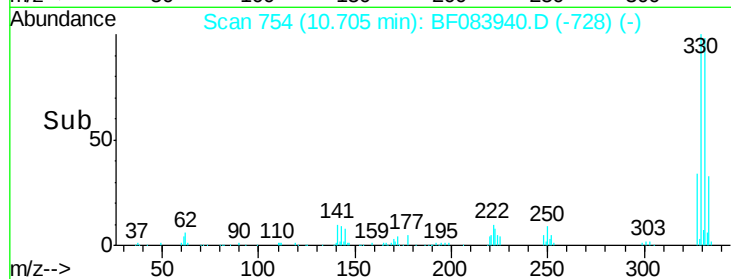
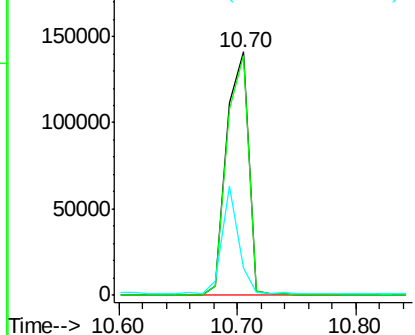
#41
 2,4,6-Tribromophenol
 Concen: 128.33 ng
 RT: 10.70 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: BF083940.D
 Acq: 19 Dec 2015 4:16

Instrument :
 BNA_F
 ClientSampleId :
 W-40

Tgt Ion:330 Resp: 180118
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.6 114.8
 141 33.7 27.8 41.6

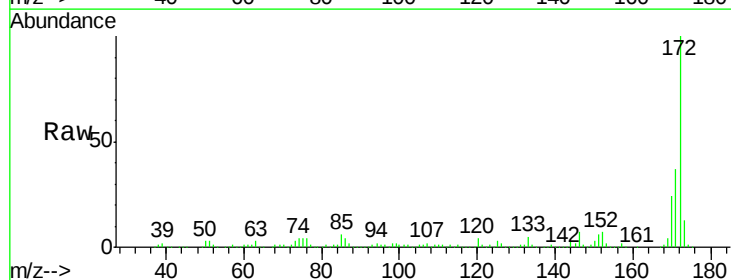


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

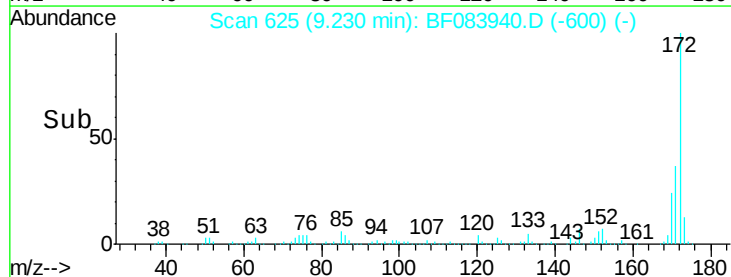
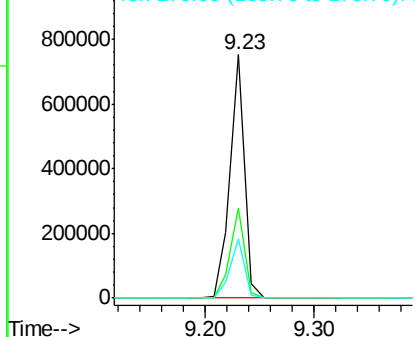


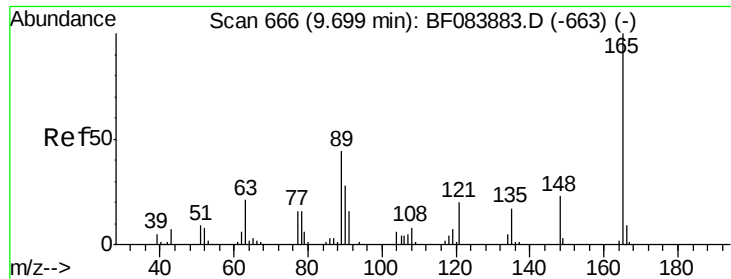
#44
 2-Fluorobiphenyl
 Concen: 74.80 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: BF083940.D
 Acq: 19 Dec 2015 4:16

Tgt Ion:172 Resp: 691619
 Ion Ratio Lower Upper
 172 100
 171 36.9 28.9 43.3
 170 24.3 18.6 27.8



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: 2.60 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.10 min

Lab File: BF083940.D

Acq: 19 Dec 2015 4:16

Instrument :

BNA_F

ClientSampleId :

W-40

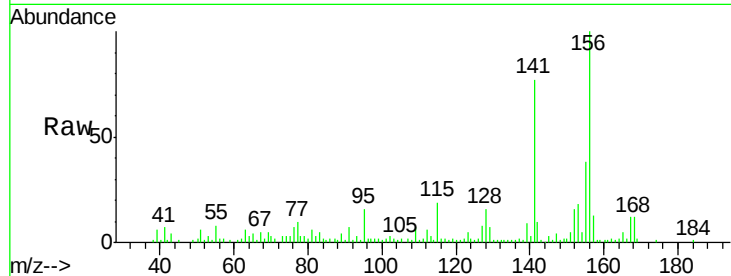
Tgt Ion:165 Resp: 6065

Ion Ratio Lower Upper

165 100

63 115.0 28.8 43.2#

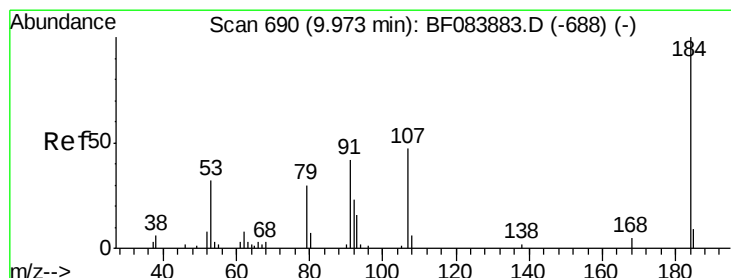
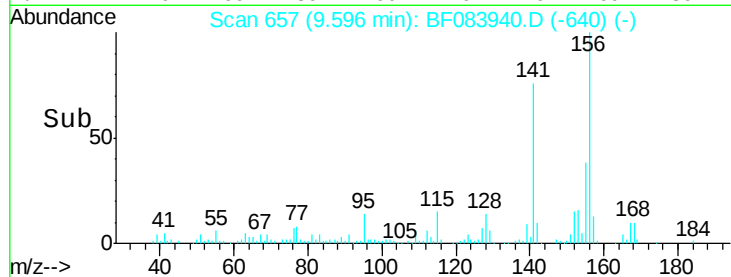
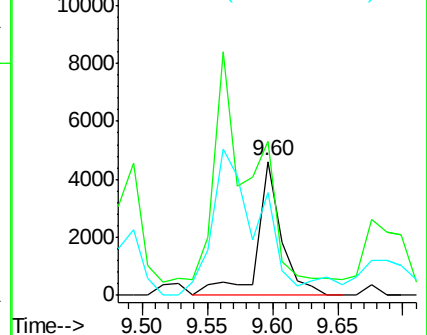
89 77.1 35.1 52.7#



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



#53

2,4-Dinitrophenol

Concen: 10.61 ng

RT: 9.70 min Scan# 666

Delta R.T. -0.27 min

Lab File: BF083940.D

Acq: 19 Dec 2015 4:16

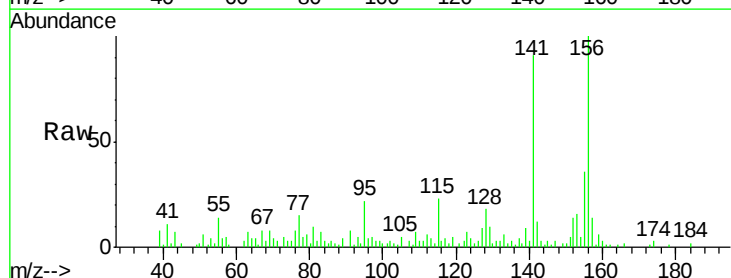
Tgt Ion:184 Resp: 304

Ion Ratio Lower Upper

184 100

63 471.2 43.1 64.7#

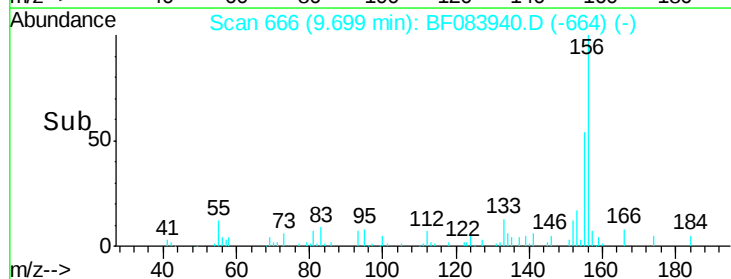
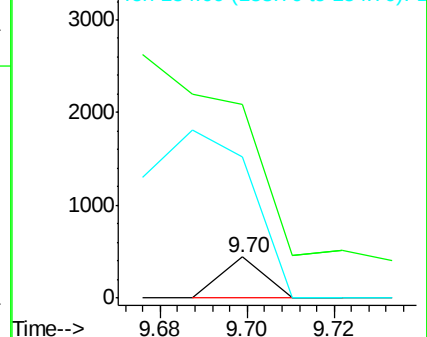
154 342.6 60.5 90.7#

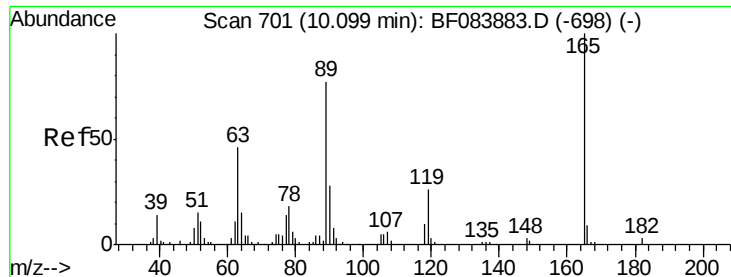


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

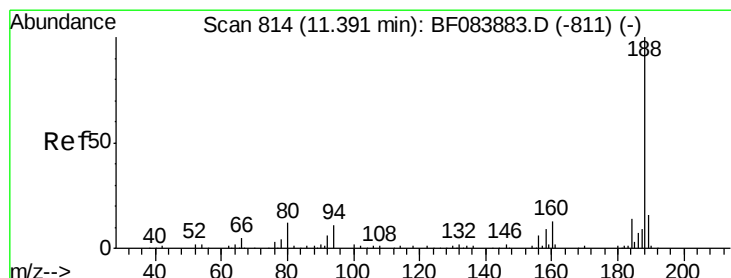
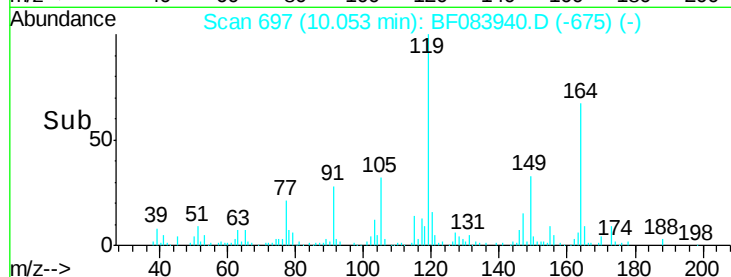
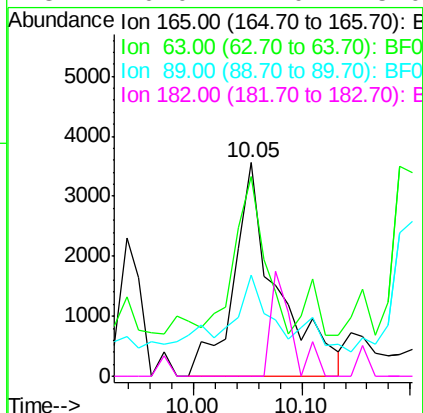
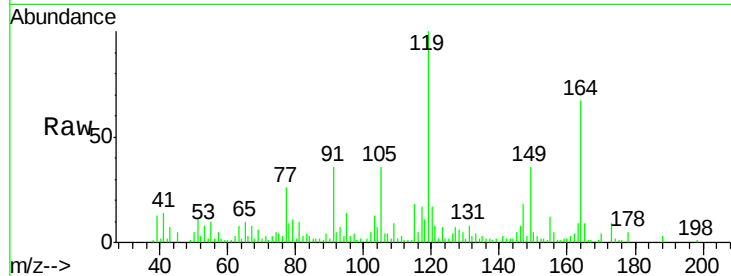




#56
2,4-Dinitrotoluene
Concen: 3.28 ng
RT: 10.05 min Scan# 697
Delta R.T. -0.05 min
Lab File: BF083940.D
Acq: 19 Dec 2015 4:16

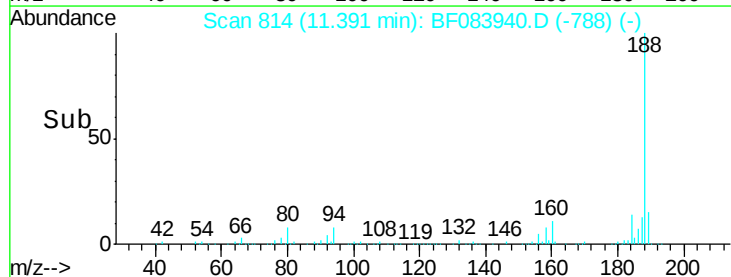
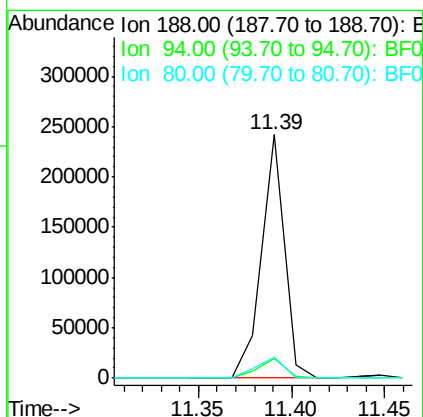
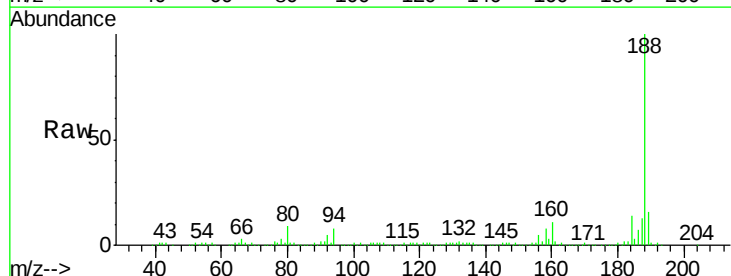
Instrument :
BNA_F
ClientSampleId :
W-40

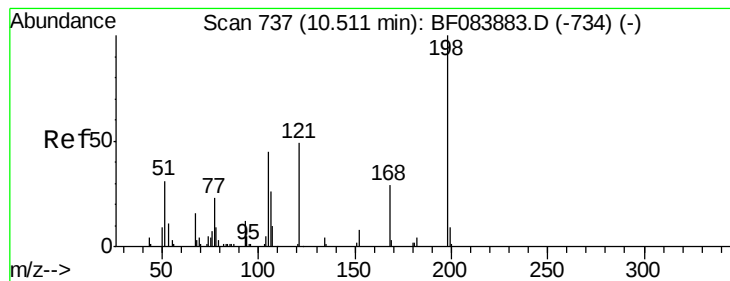
Tgt Ion:165 Resp: 9812
Ion Ratio Lower Upper
165 100
63 93.4 36.7 55.1#
89 47.5 61.9 92.9#
182 0.0 2.0 3.0#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF083940.D
Acq: 19 Dec 2015 4:16

Tgt Ion:188 Resp: 204643
Ion Ratio Lower Upper
188 100
94 8.0 9.0 13.4#
80 8.7 9.6 14.4#





#64

4,6-Dinitro-2-methylphenol

Concen: 4.12 ng

RT: 10.69 min Scan# 753

Delta R.T. 0.18 min

Lab File: BF083940.D

Acq: 19 Dec 2015 4:16

Instrument :

BNA_F

ClientSampleId :

W-40

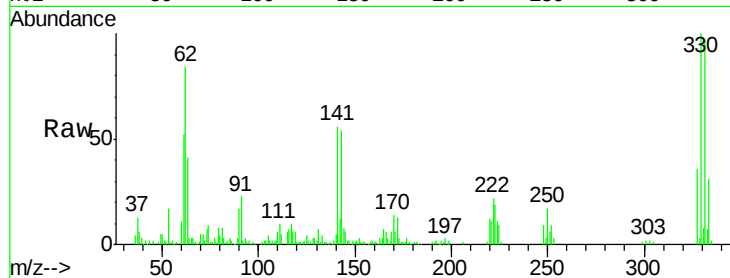
Tgt Ion:198 Resp: 256

Ion Ratio Lower Upper

198 100

51 492.0 18.9 58.9#

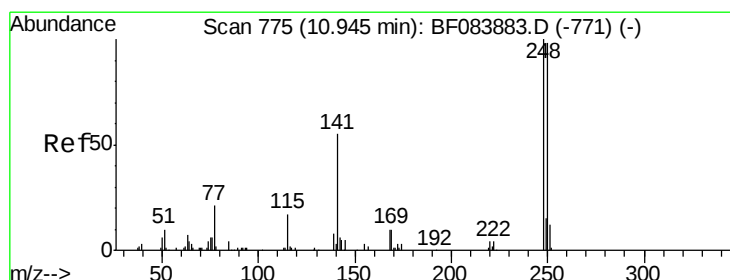
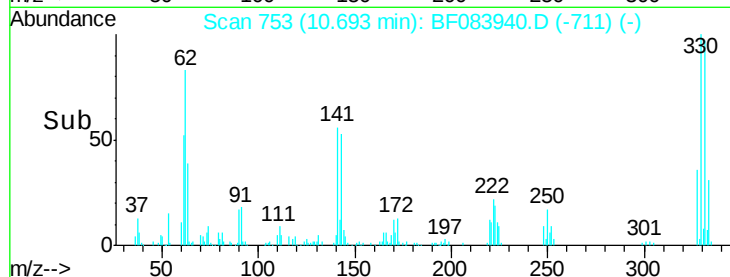
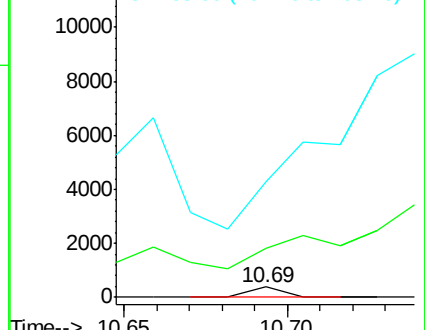
105 1152.8 26.4 66.4#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.65 ng

RT: 10.69 min Scan# 753

Delta R.T. -0.25 min

Lab File: BF083940.D

Acq: 19 Dec 2015 4:16

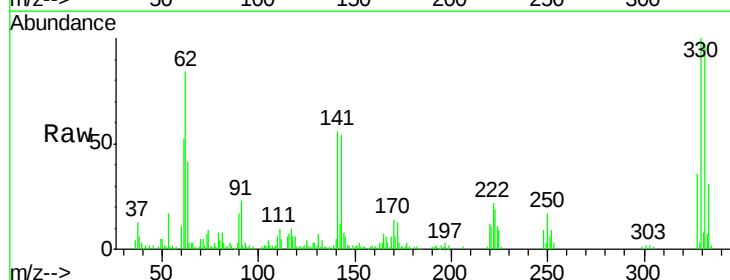
Tgt Ion:248 Resp: 11644

Ion Ratio Lower Upper

248 100

250 194.4 78.4 117.6#

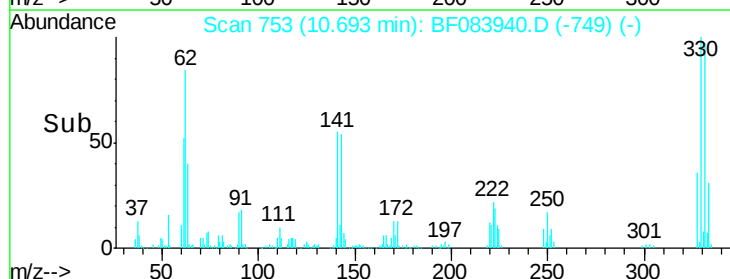
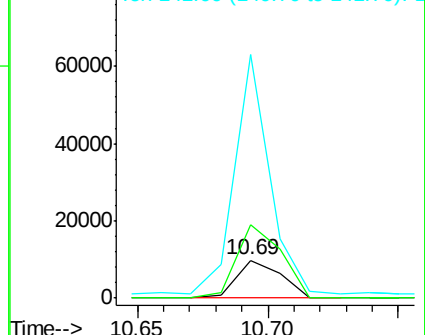
141 642.0 44.0 66.0#

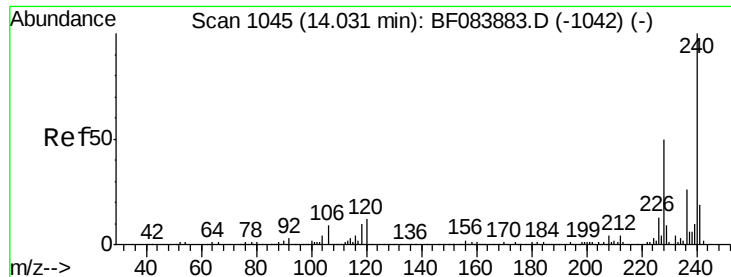


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.02 min Scan# 1044

Delta R.T. -0.01 min

Lab File: BF083940.D

Acq: 19 Dec 2015 4:16

Instrument :

BNA_F

ClientSampleId :

W-40

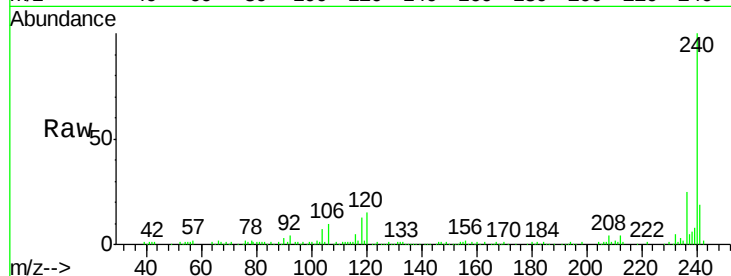
Tgt Ion:240 Resp: 161908

Ion Ratio Lower Upper

240 100

120 15.0 9.5 14.3#

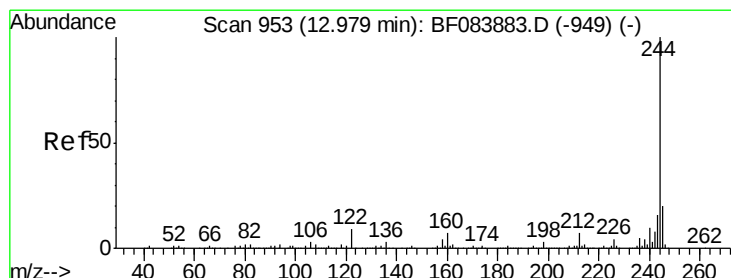
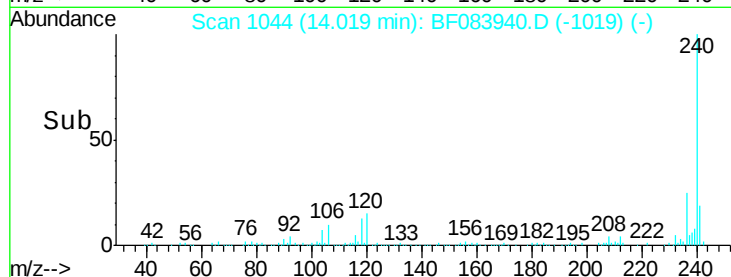
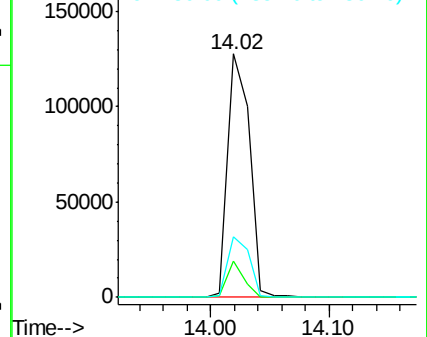
236 24.7 20.6 31.0



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: 99.46 ng

RT: 12.98 min Scan# 953

Delta R.T. 0.00 min

Lab File: BF083940.D

Acq: 19 Dec 2015 4:16

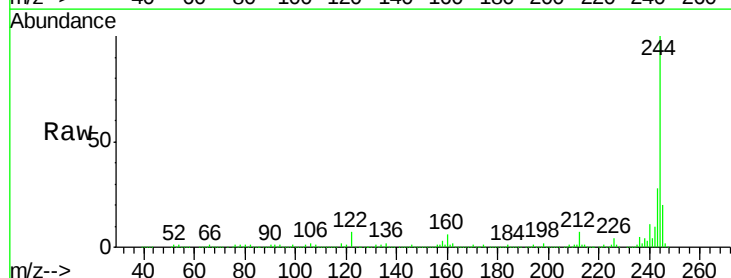
Tgt Ion:244 Resp: 681389

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

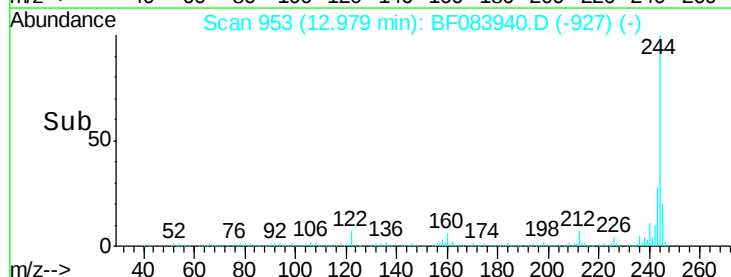
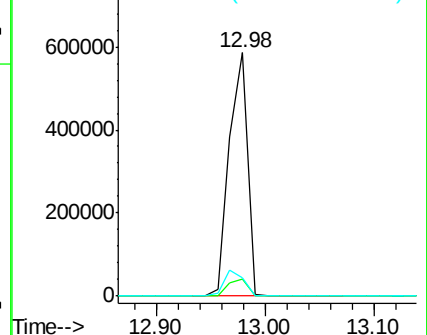
122 7.4 7.4 11.0

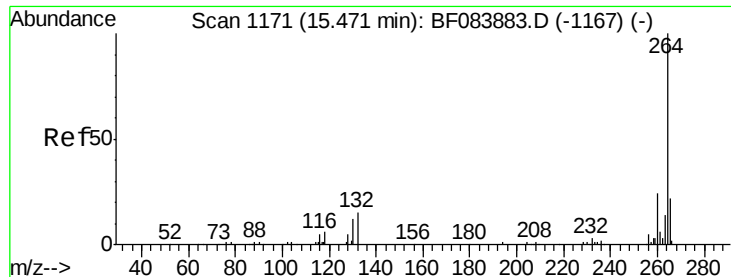


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

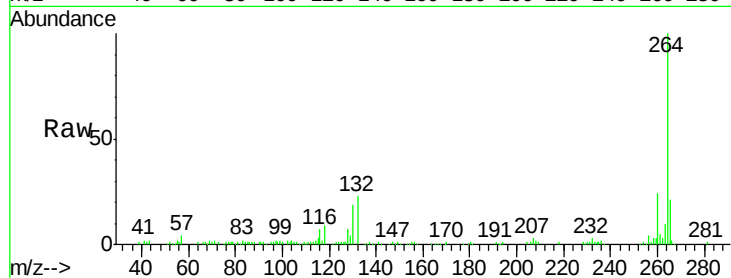




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BF083940.D
Acq: 19 Dec 2015 4:16

Instrument :
BNA_F
ClientSampleId :
W-40

Tgt Ion: 264 Resp: 141334
Ion Ratio Lower Upper
264 100
260 23.8 19.4 29.2
265 21.2 17.8 26.6



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

