

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112015\
 Data File : BF083099.D
 Acq On : 21 Nov 2015 2:34
 Operator : UM/IZ
 Sample : G4506-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 21 04:14:08 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF111915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 01:33:39 2015
 Response via : Initial Calibration

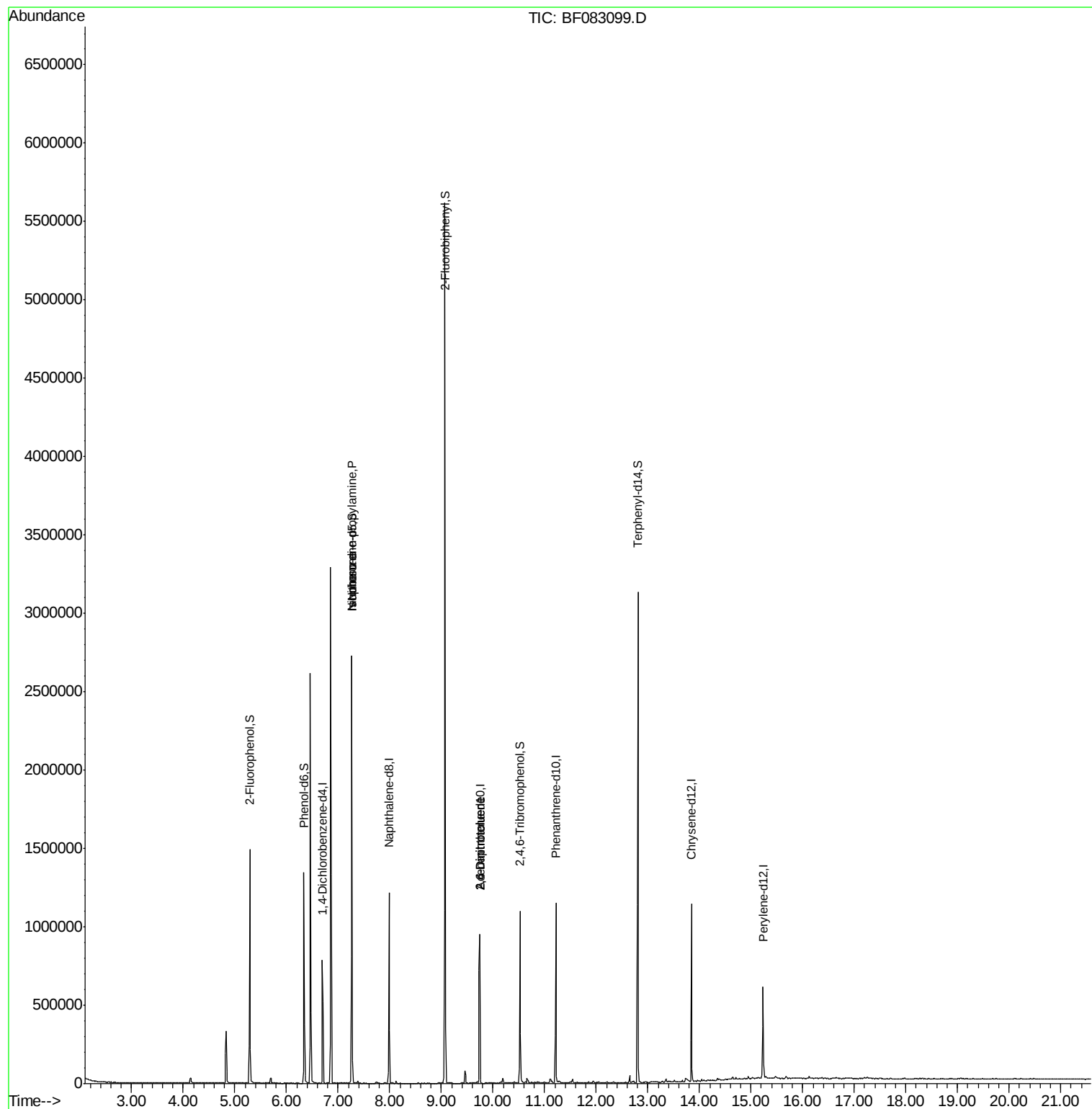
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	148269	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	539373	20.00	ng	-0.01
38) Acenaphthene-d10	9.74	164	256964	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	418938	20.00	ng	0.00
75) Chrysene-d12	13.85	240	392022	20.00	ng	-0.01
86) Perylene-d12	15.23	264	280034	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	393449	41.22	ng	0.00
7) Phenol-d6	6.34	99	327752	26.07	ng	-0.01
23) Nitrobenzene-d5	7.26	82	915548	77.71	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	123070	45.11	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	1561989	81.87	ng	-0.01
78) Terphenyl-d14	12.81	244	1017704	61.29	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	120798	13.15	ng	# 77
25) Isophorone	7.26	82	706064	31.77	ng	# 69
50) 2,6-Dinitrotoluene	9.74	165	33821	7.42	ng	# 27
56) 2,4-Dinitrotoluene	9.74	165	33821	5.54	ng	# 19

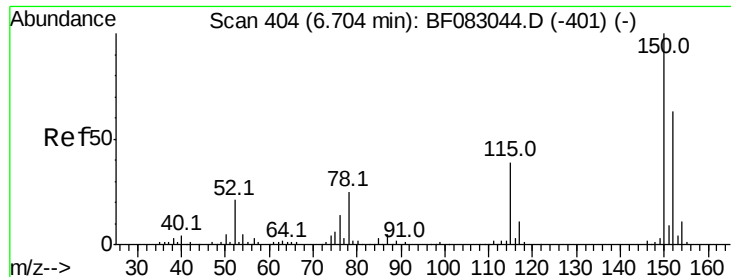
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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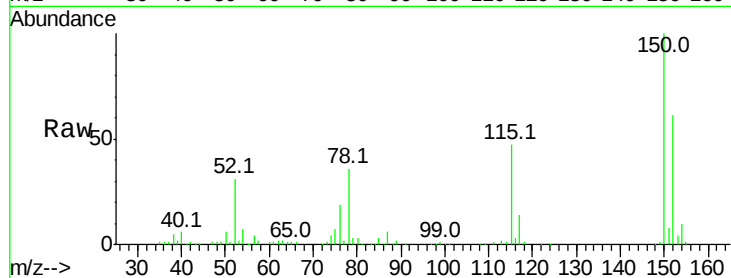


#1

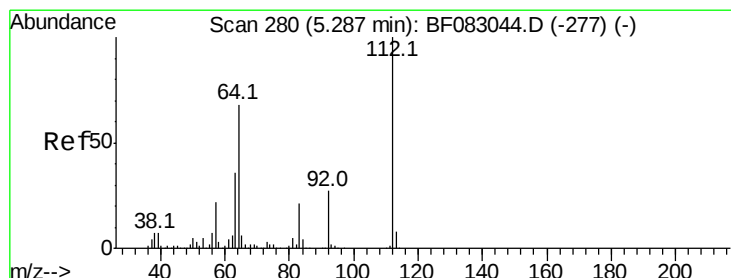
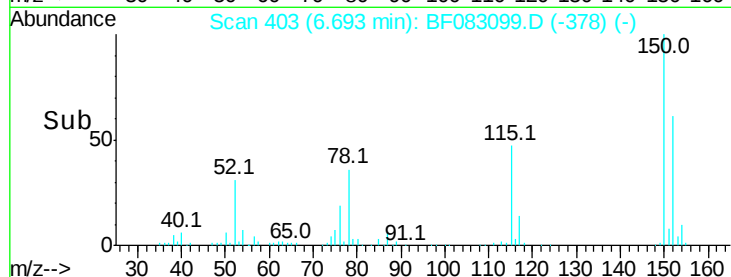
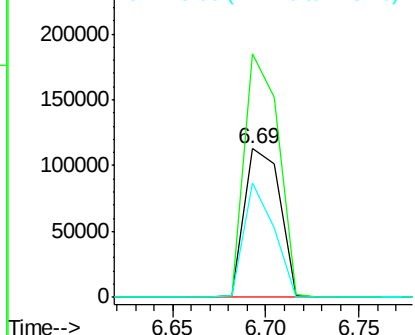
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.69 min Scan# 403
Delta R.T. -0.01 min
Lab File: BF083099.D
Acq: 21 Nov 2015 2:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 148269
Ion Ratio Lower Upper
152 100
150 164.1 126.4 189.6
115 76.7 49.0 73.6#



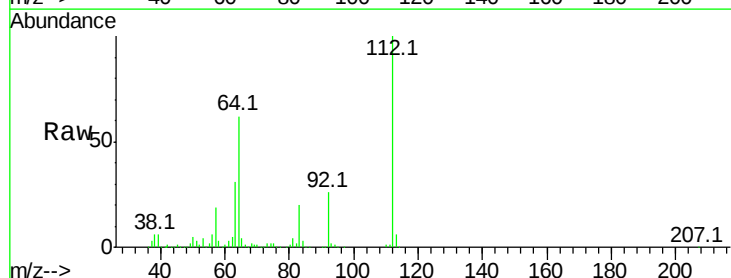
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



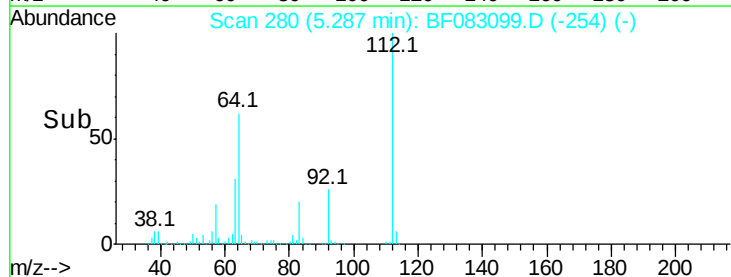
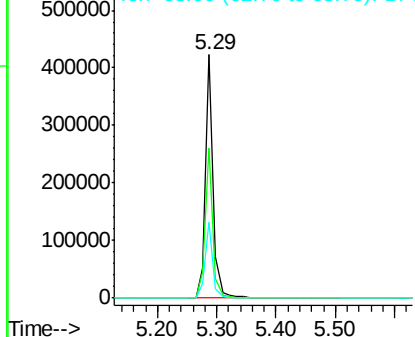
#5

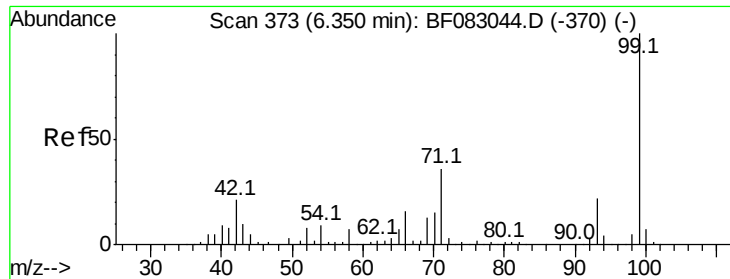
2-Fluorophenol
Concen: 41.22 ng
RT: 5.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: BF083099.D
Acq: 21 Nov 2015 2:34

Tgt Ion:112 Resp: 393449
Ion Ratio Lower Upper
112 100
64 61.9 54.8 82.2
63 31.2 29.0 43.4



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: 26.07 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.01 min

Lab File: BF083099.D

Acq: 21 Nov 2015 2:34

Instrument :

BNA_F

ClientSampleId :

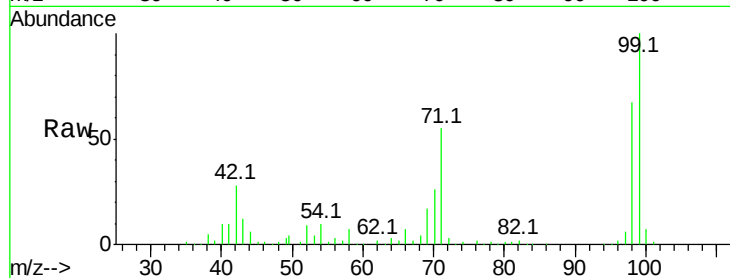
Tot Ion: 99 Resp: 327752

Ion Ratio Lower Upper

99 100

42 27.7 16.6 25.0#

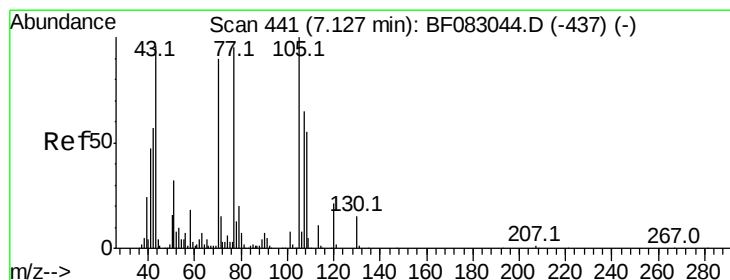
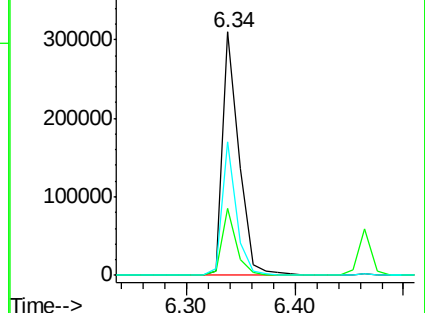
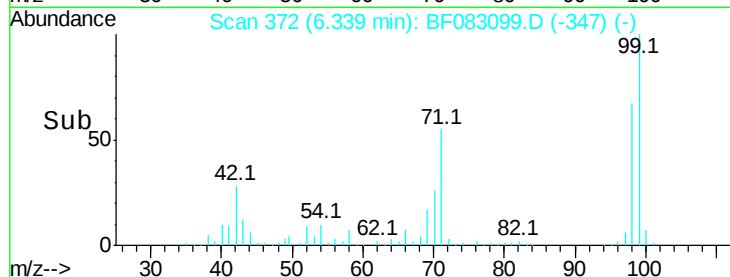
71 55.1 29.2 43.8#



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.15 ng

RT: 7.26 min Scan# 453

Delta R.T. 0.14 min

Lab File: BF083099.D

Acq: 21 Nov 2015 2:34

Tgt Ion: 70 Resp: 120798

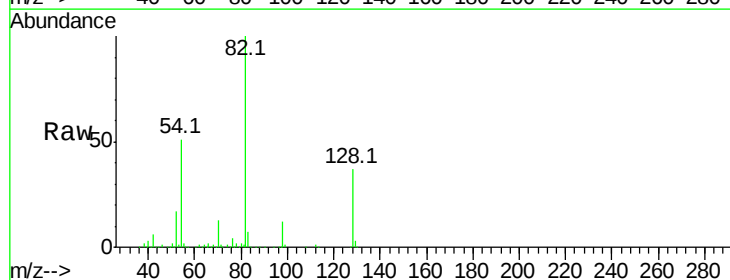
Ion Ratio Lower Upper

70 100

42 46.6 50.2 75.2#

101 0.0 6.8 10.2#

130 1.9 12.9 19.3#

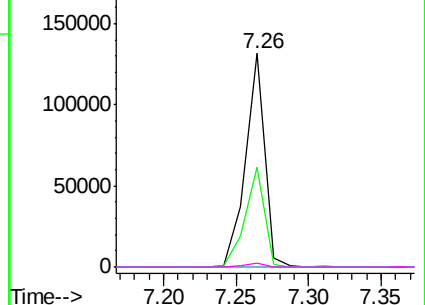
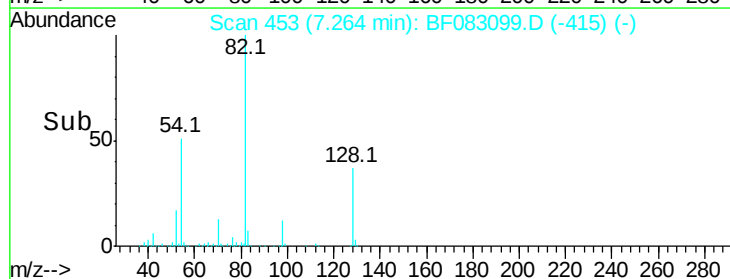


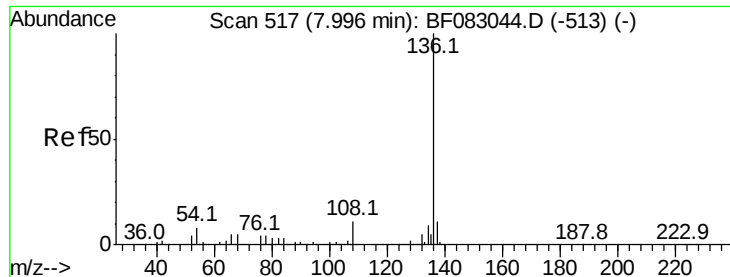
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.01 min

Lab File: BF083099.D

Acq: 21 Nov 2015 2:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 539373

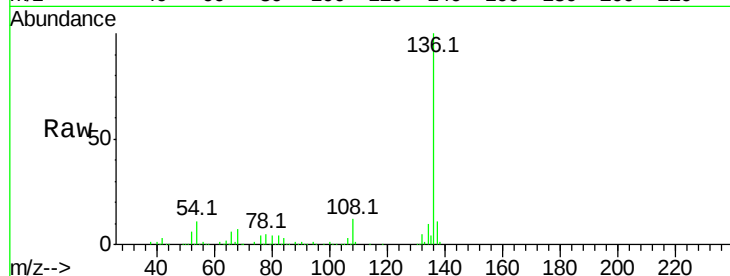
Ion Ratio Lower Upper

136 100

137 11.3 8.6 12.8

54 10.7 6.2 9.2#

68 7.0 4.2 6.2#

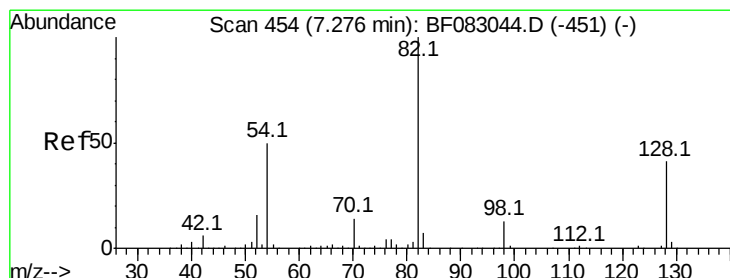
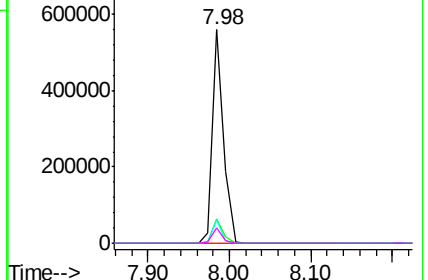
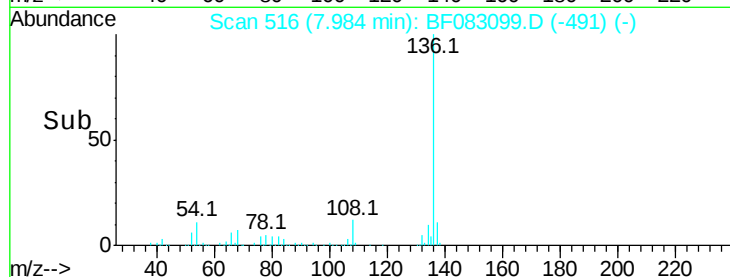


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.71 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.01 min

Lab File: BF083099.D

Acq: 21 Nov 2015 2:34

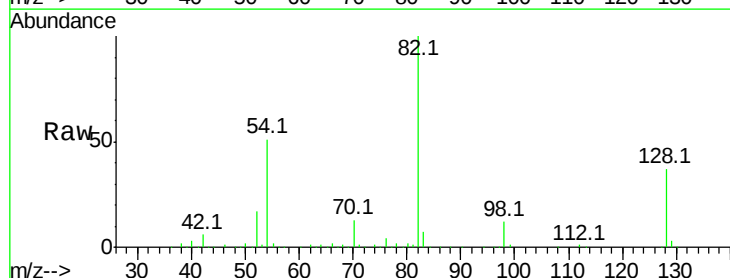
Tgt Ion: 82 Resp: 915548

Ion Ratio Lower Upper

82 100

128 37.1 33.1 49.7

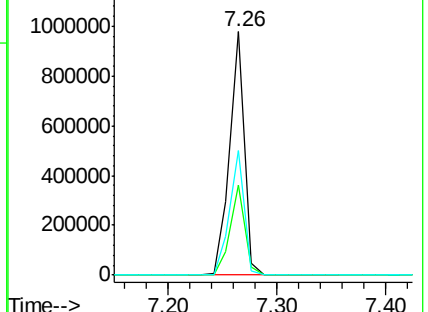
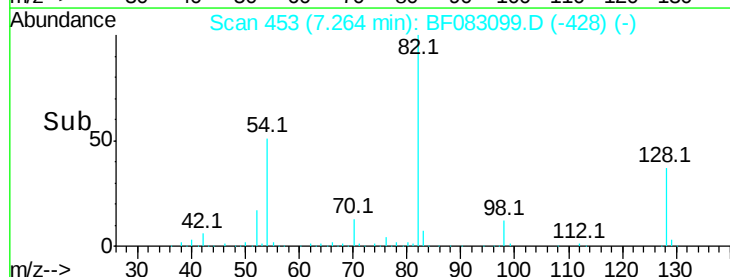
54 51.3 39.8 59.6

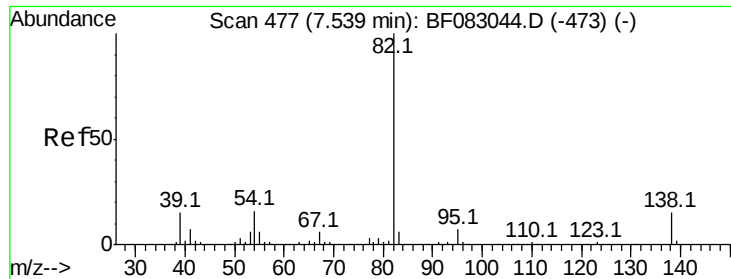


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 31.77 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.27 min

Lab File: BF083099.D

Acq: 21 Nov 2015 2:34

Instrument :

BNA_F

ClientSampleId :

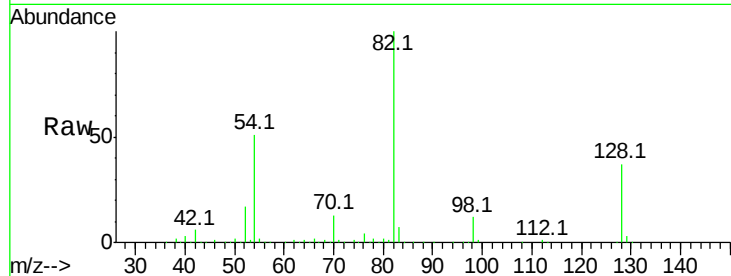
Tot Ion: 82 Resp: 706064

Ion Ratio Lower Upper

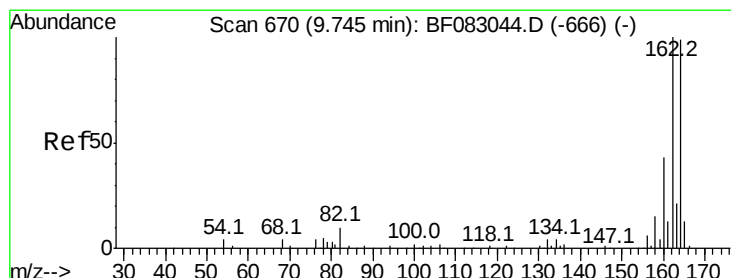
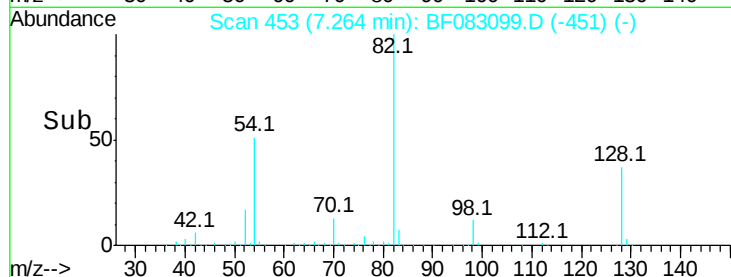
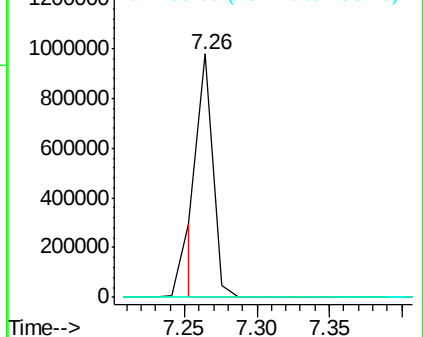
82 100

95 0.0 5.7 8.5#

138 0.0 12.2 18.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.74 min Scan# 670

Delta R.T. 0.00 min

Lab File: BF083099.D

Acq: 21 Nov 2015 2:34

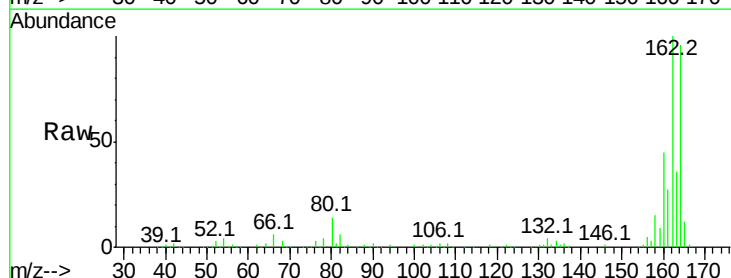
Tgt Ion:164 Resp: 256964

Ion Ratio Lower Upper

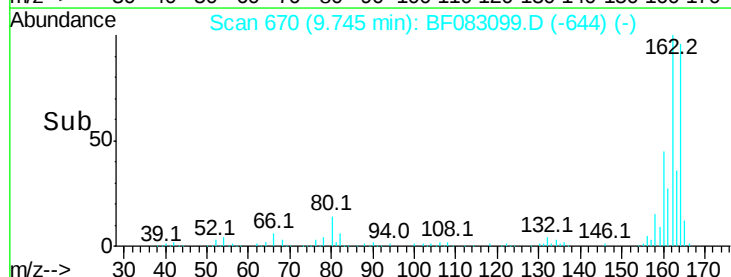
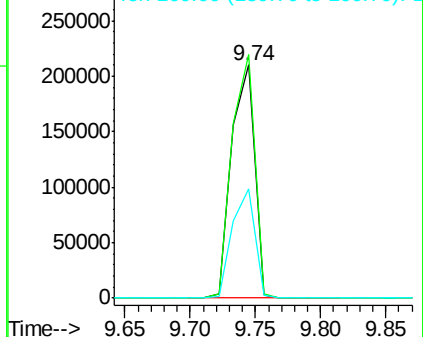
164 100

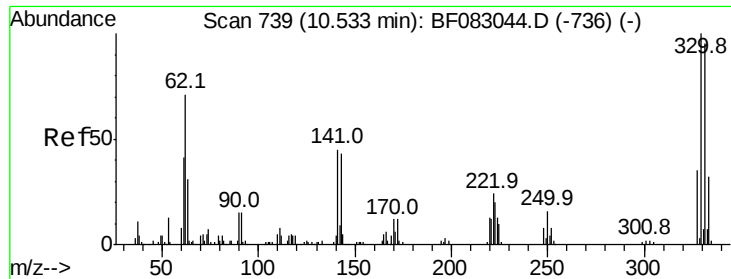
162 104.4 80.5 120.7

160 46.6 35.0 52.4



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

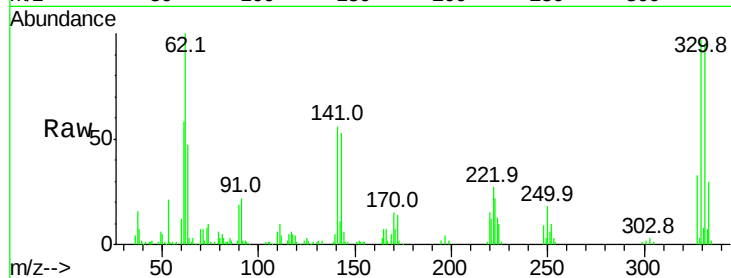




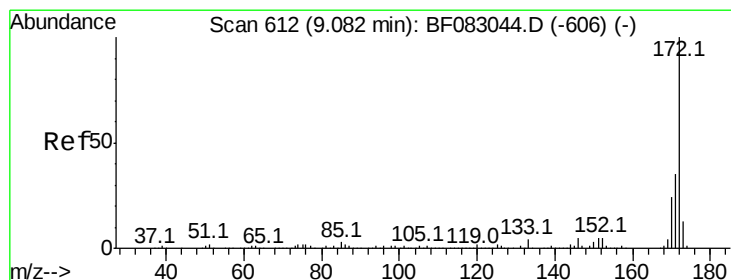
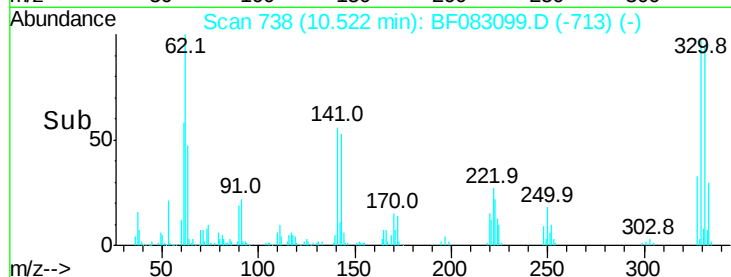
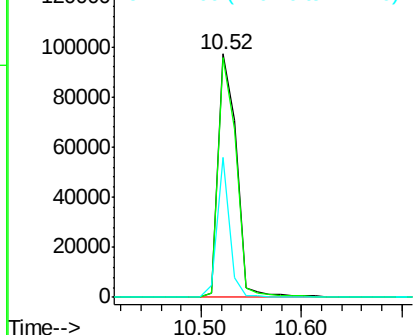
#41
 2,4,6-Tribromophenol
 Concen: 45.11 ng
 RT: 10.52 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: BF083099.D
 Acq: 21 Nov 2015 2:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.6	116.4
141	39.4	34.6	52.0

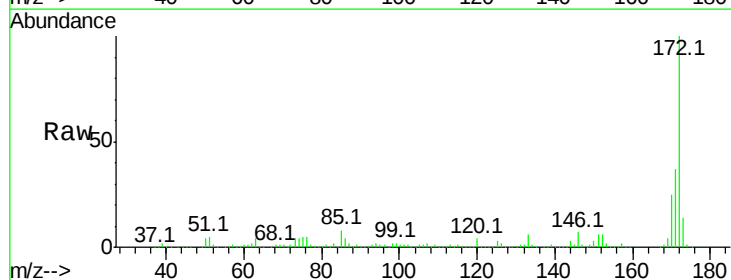


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

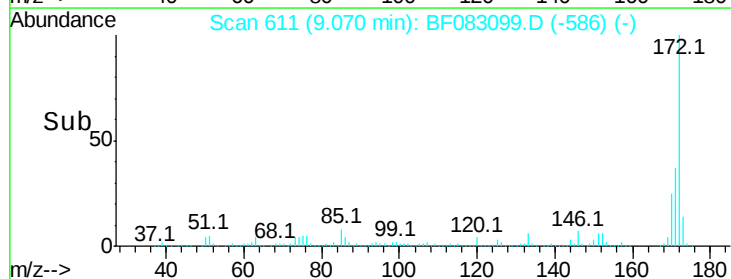
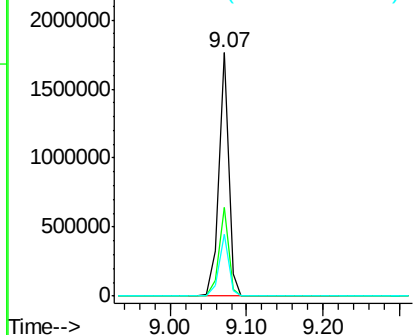


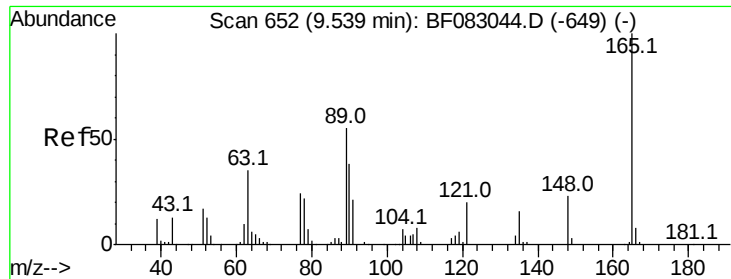
#44
 2-Fluorobiphenyl
 Concen: 81.87 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF083099.D
 Acq: 21 Nov 2015 2:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	28.2	42.4
170	25.5	19.4	29.0



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

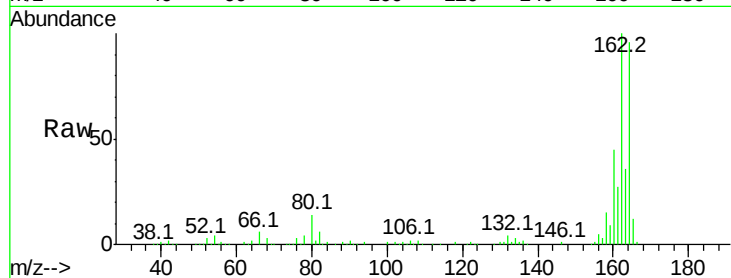




#50
 2,6-Dinitrotoluene
 Concen: 7.42 ng
 RT: 9.74 min Scan# 670
 Delta R.T. 0.21 min
 Lab File: BF083099.D
 Acq: 21 Nov 2015 2:34

Instrument :
 BNA_F
 ClientSampleId :

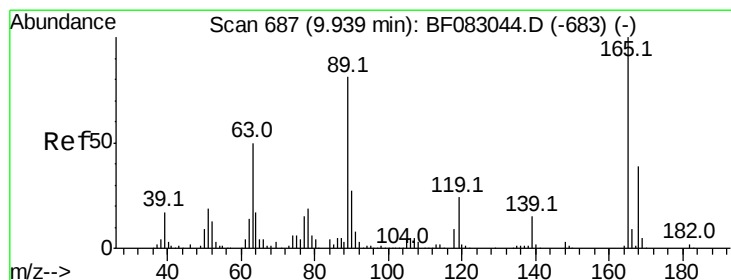
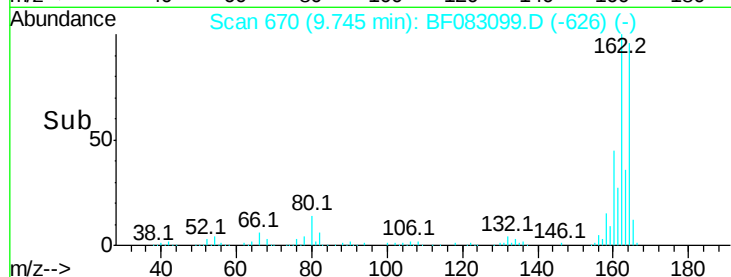
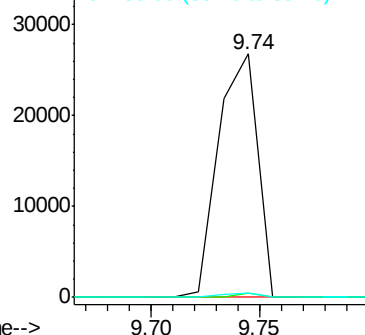
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	40.6	61.0#
89	1.5	44.5	66.7#



Abundance Ion 165.00 (164.70 to 165.70): E

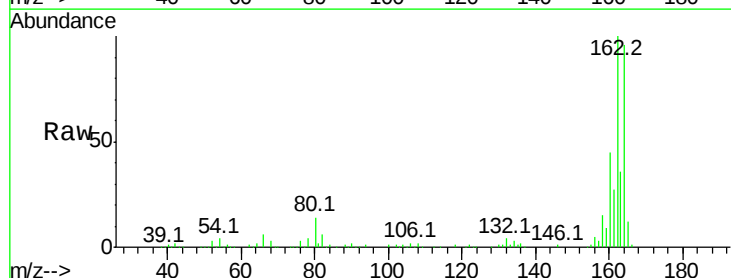
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 5.54 ng
 RT: 9.74 min Scan# 670
 Delta R.T. -0.19 min
 Lab File: BF083099.D
 Acq: 21 Nov 2015 2:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	40.6	61.0#
89	1.5	64.4	96.6#
182	0.0	1.6	2.4#

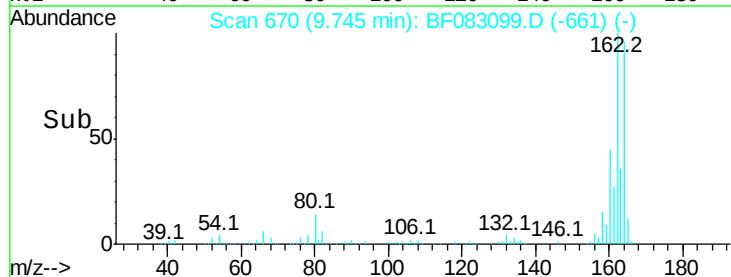
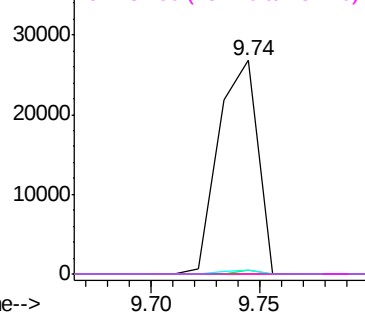


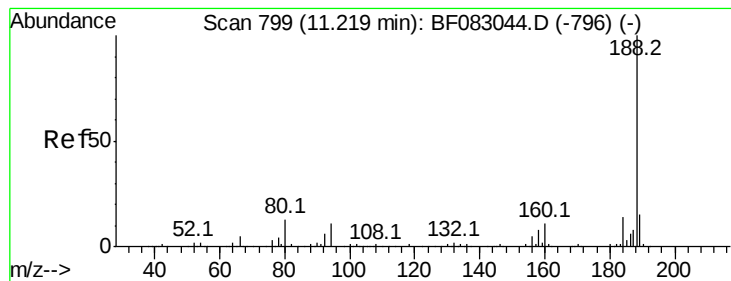
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.22 min Scan# 799

Delta R.T. 0.00 min

Lab File: BF083099.D

Acq: 21 Nov 2015 2:34

Instrument :

BNA_F

ClientSampleId :

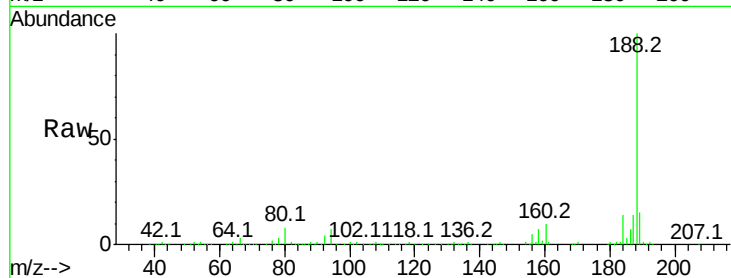
Tot Ion:188 Resp: 418938

Ion Ratio Lower Upper

188 100

94 7.3 9.0 13.4#

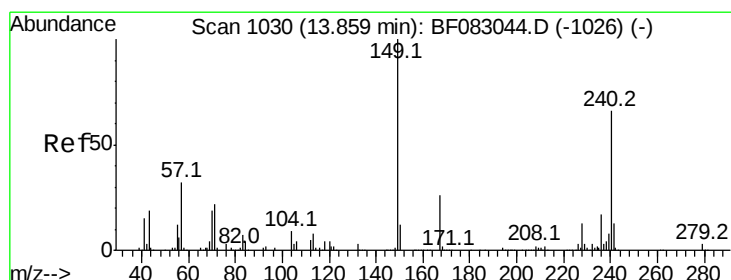
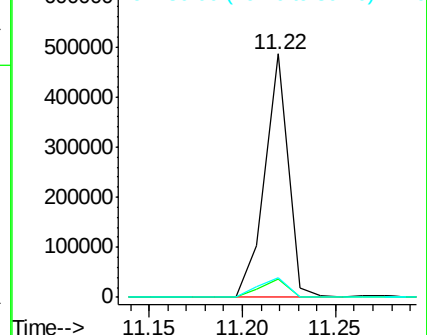
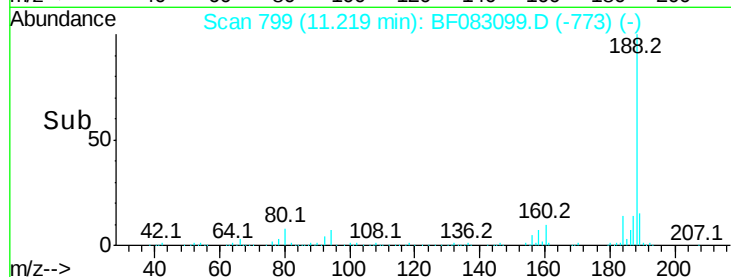
80 8.2 10.2 15.4#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF083099.D

Acq: 21 Nov 2015 2:34

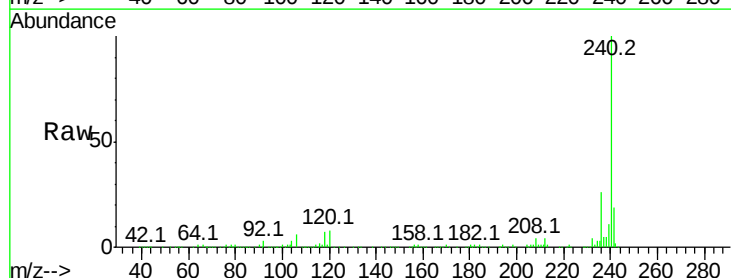
Tgt Ion:240 Resp: 392022

Ion Ratio Lower Upper

240 100

120 7.5 5.3 7.9

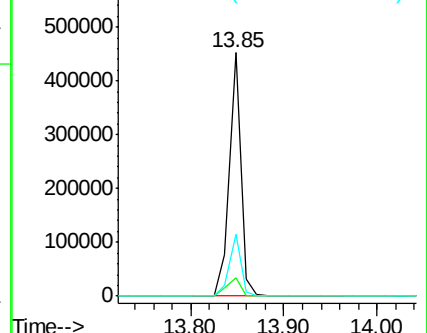
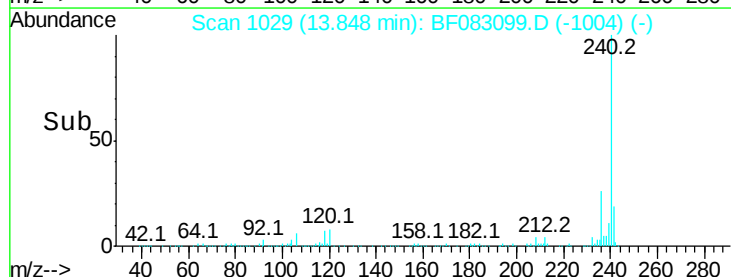
236 25.5 20.4 30.6

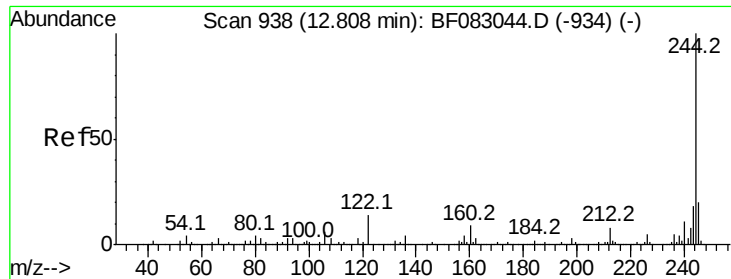


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

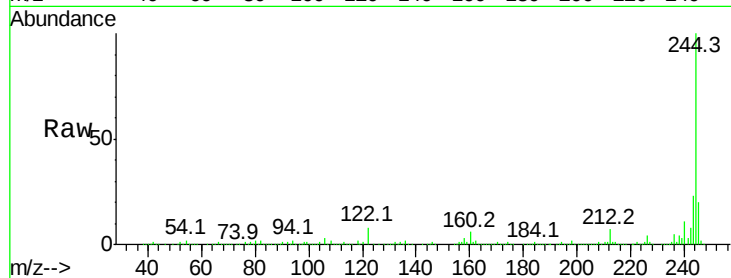




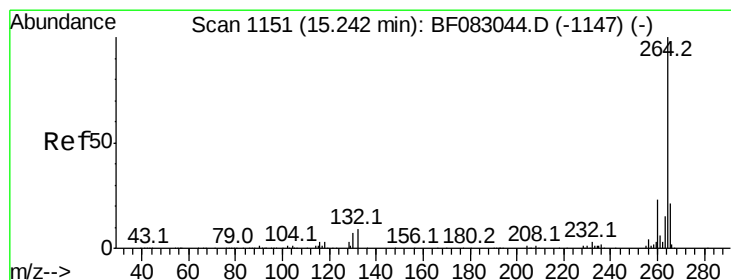
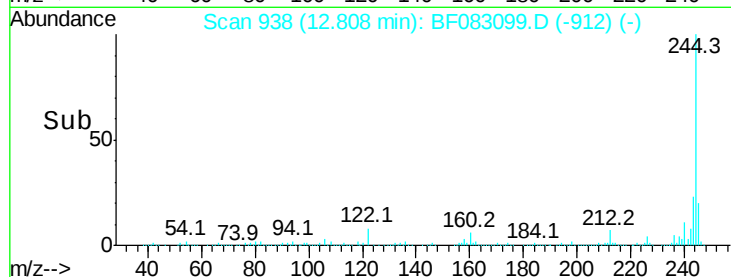
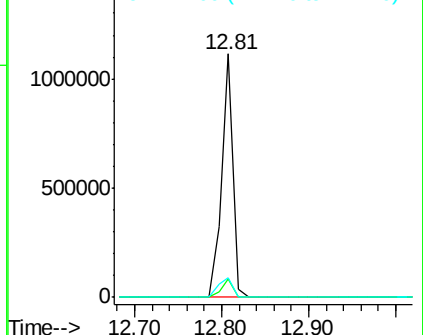
#78
 Terphenyl-d14
 Concen: 61.29 ng
 RT: 12.81 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: BF083099.D
 Acq: 21 Nov 2015 2:34

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 1017704
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.4 9.6
 122 8.2 10.9 16.3#

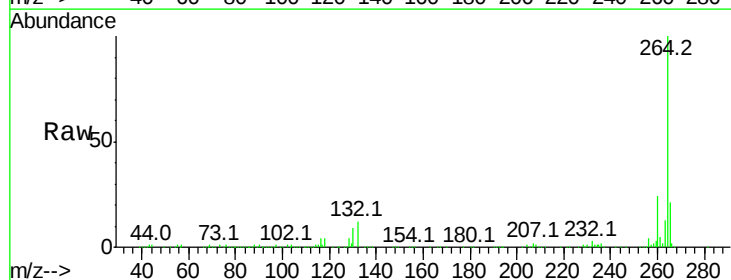


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.23 min Scan# 1150
 Delta R.T. -0.01 min
 Lab File: BF083099.D
 Acq: 21 Nov 2015 2:34

Tgt Ion:264 Resp: 280034
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.6 27.8
 265 20.9 17.0 25.6



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

