

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
 Data File : BF098162.D
 Acq On : 30 Aug 2017 18:16
 Operator : SJ/JU
 Sample : PB101906BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 06:40:54 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

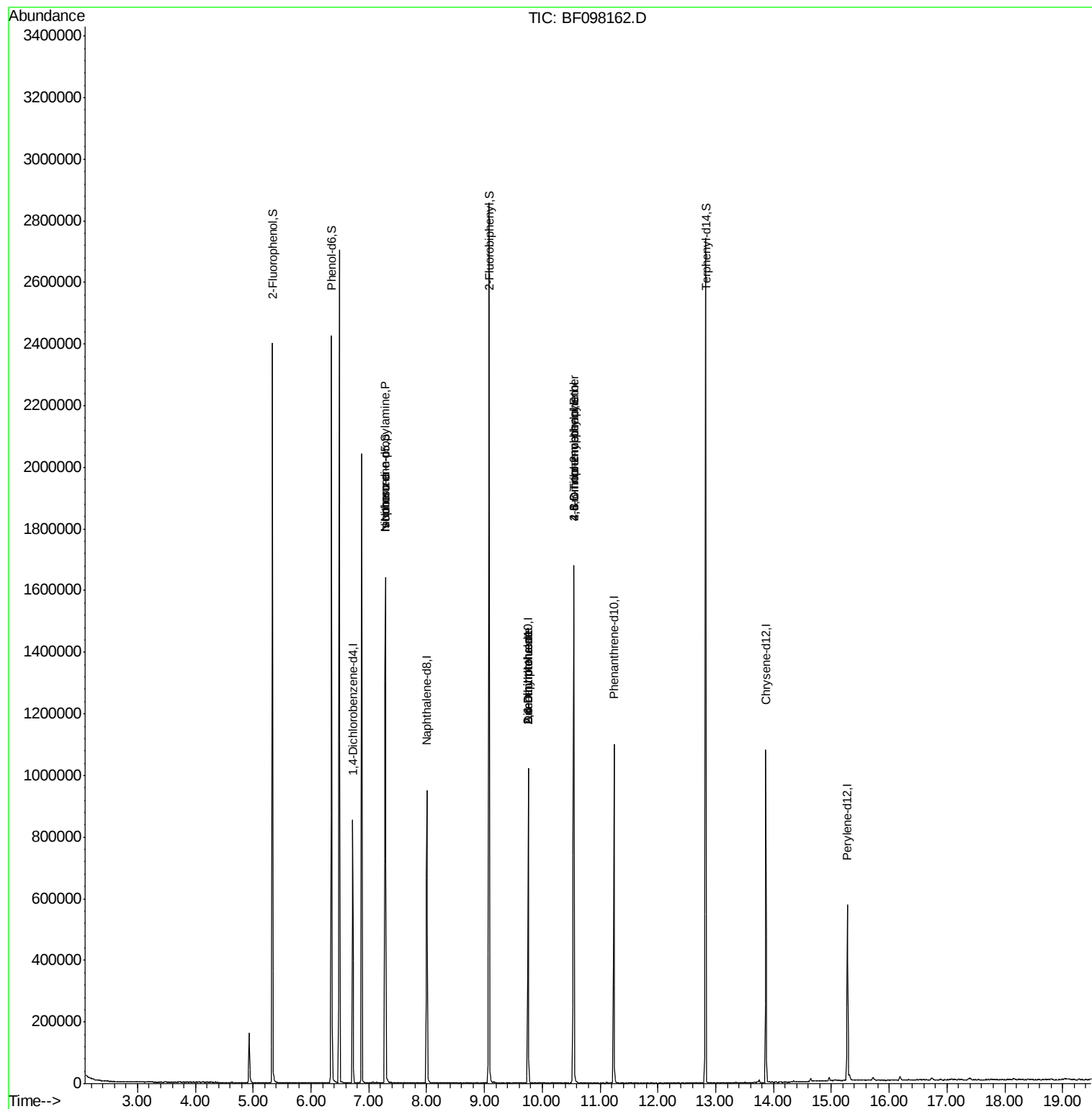
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	111784	20.00	ng	-0.03
21) Naphthalene-d8	8.00	136	453367	20.00	ng	-0.03
38) Acenaphthene-d10	9.76	164	208544	20.00	ng	-0.03
63) Phenanthrene-d10	11.24	188	418858	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	355710	20.00	ng	-0.03
86) Perylene-d12	15.28	264	250335	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	778210	105.89	ng	-0.01
7) Phenol-d6	6.36	99	1049988	105.15	ng	-0.03
23) Nitrobenzene-d5	7.29	82	639951	76.68	ng	-0.04
41) 2,4,6-Tribromophenol	10.55	330	201393	111.30	ng	-0.03
44) 2-Fluorobiphenyl	9.08	172	1013332	71.39	ng	-0.03
78) Terphenyl-d14	12.83	244	936581	54.91	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	84636	12.382	ng	# 71
25) Isophorone	7.29	82	631165	36.371	ng	# 67
49) Dimethylphthalate	9.76	163	57527	3.774	ng	# 1
50) 2,6-Dinitrotoluene	9.76	165	26121	8.584	ng	# 35
56) 2,4-Dinitrotoluene	9.76	165	26121	6.840	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.55	198	343	8.464	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	13475	3.098	ng	# 1

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

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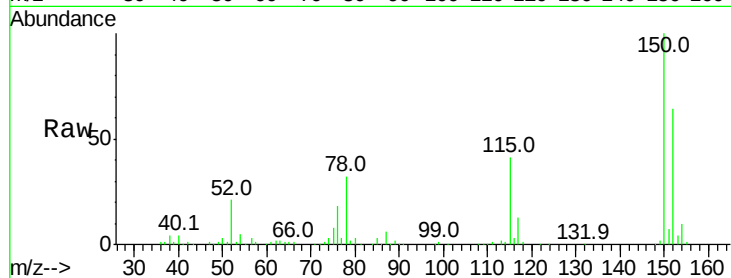


#1

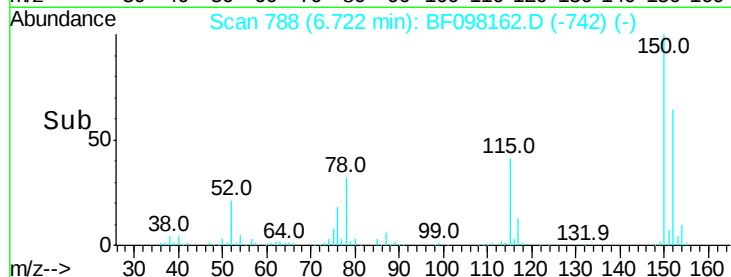
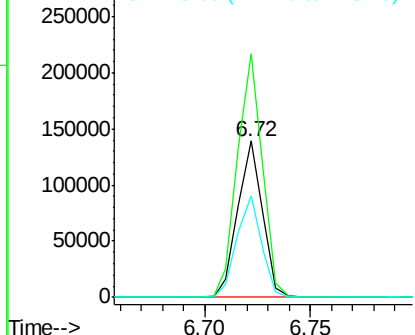
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.03 min
 Lab File: BF098162.D
 Acq: 30 Aug 2017 18:16

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 111784
 Ion Ratio Lower Upper
 152 100
 150 155.9 126.2 189.2
 115 64.7 52.2 78.2



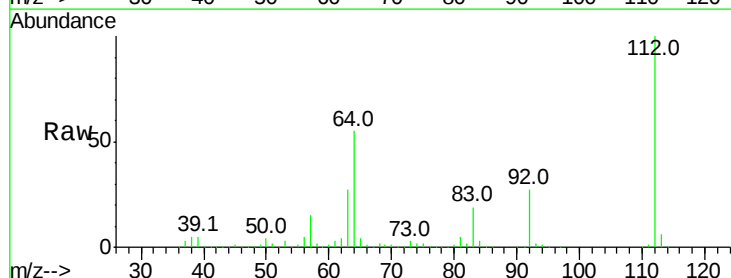
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



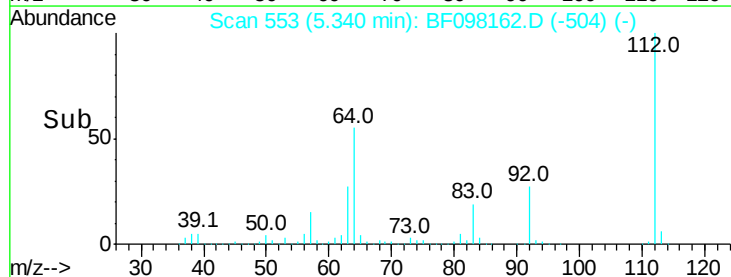
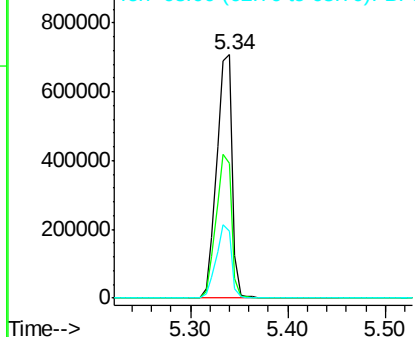
#5

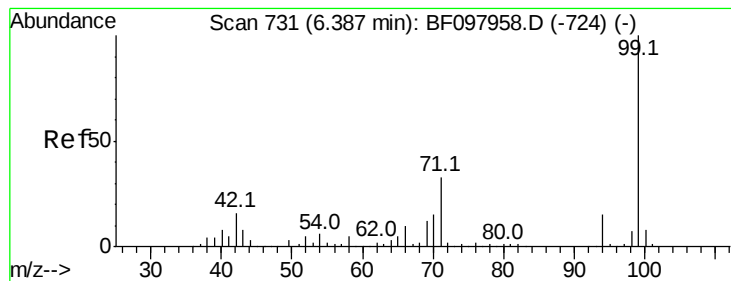
2-Fluorophenol
 Concen: 105.893 ng
 RT: 5.34 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: BF098162.D
 Acq: 30 Aug 2017 18:16

Tgt Ion:112 Resp: 778210
 Ion Ratio Lower Upper
 112 100
 64 55.4 46.0 69.0
 63 27.4 23.4 35.0



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: 105.154 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF098162.D

Acq: 30 Aug 2017 18:16

Instrument :

BNA_F

ClientSampled :

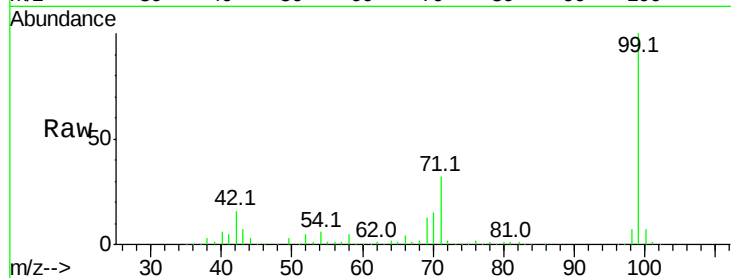
Tot Ion: 99 Resp: 1049988

Ion Ratio Lower Upper

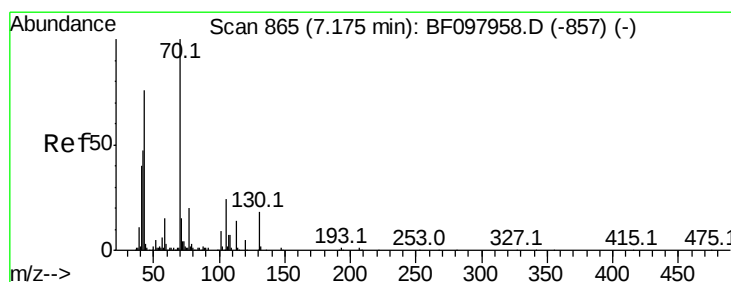
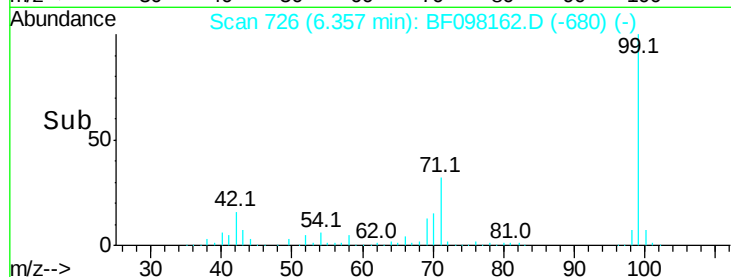
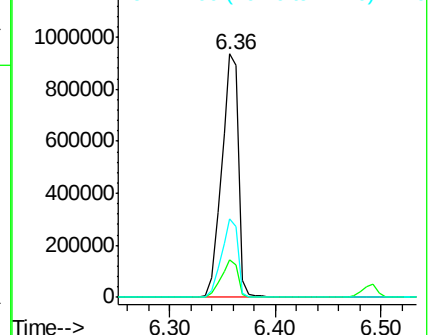
99 100

42 15.6 13.5 20.3

71 32.3 24.5 36.7



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: 12.382 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.11 min

Lab File: BF098162.D

Acq: 30 Aug 2017 18:16

Tgt Ion: 70 Resp: 84636

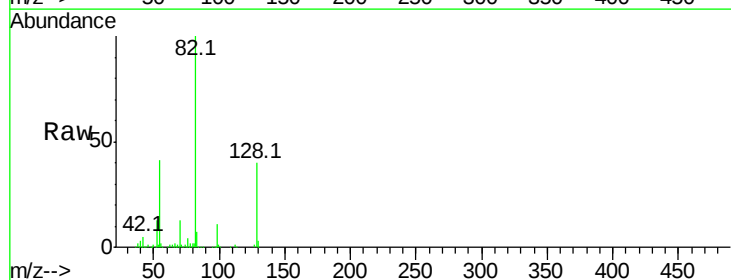
Ion Ratio Lower Upper

70 100

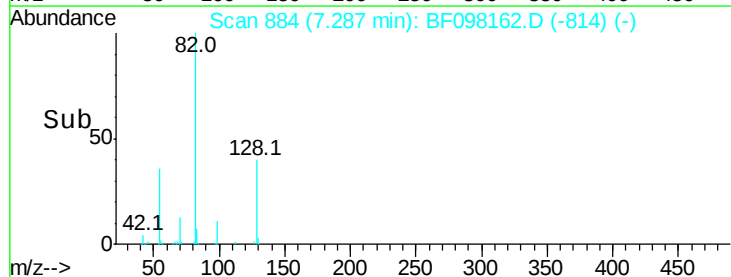
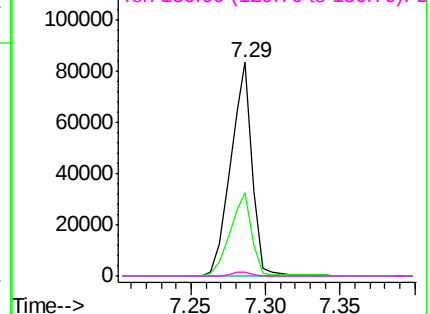
42 39.1 47.2 70.8#

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#



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): E
Ion 130.00 (129.70 to 130.70): E

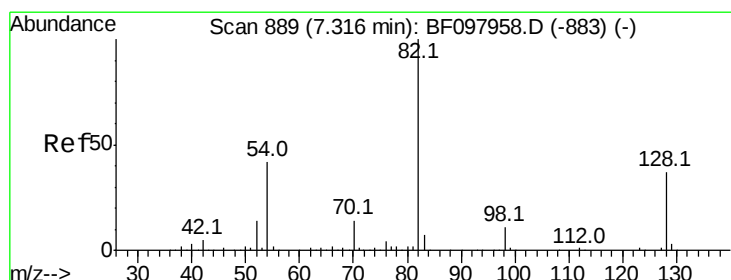
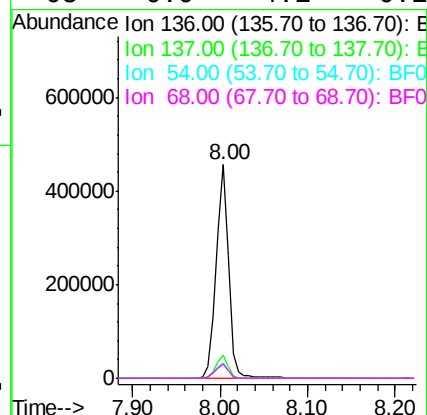
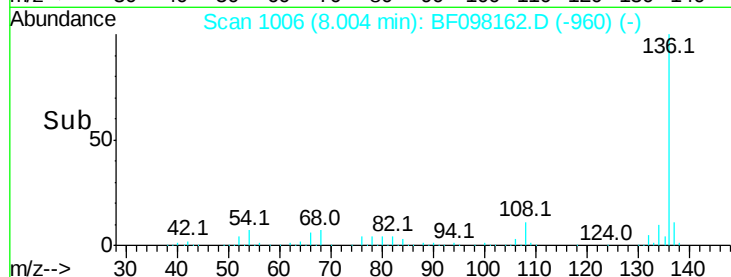
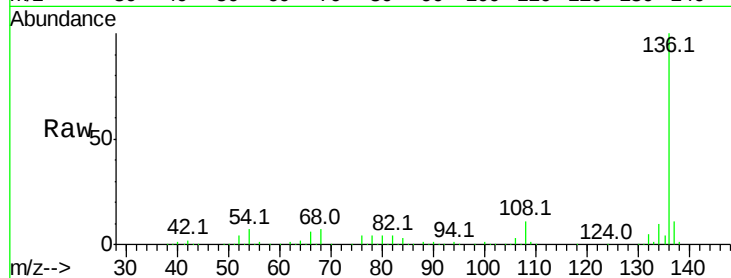




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.03 min
Lab File: BF098162.D
Acq: 30 Aug 2017 18:16

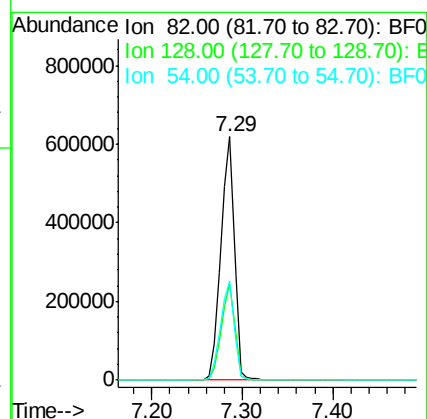
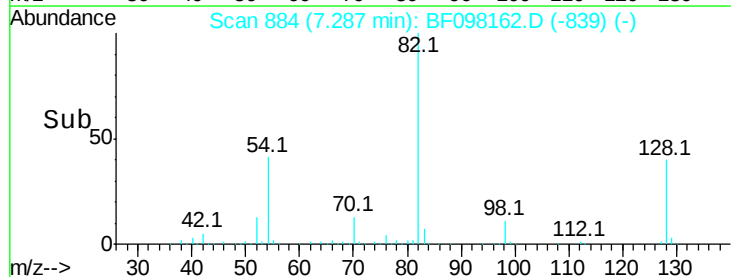
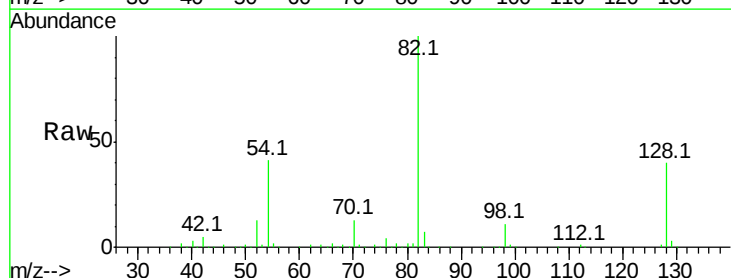
Instrument :
BNA_F
ClientSampleId :

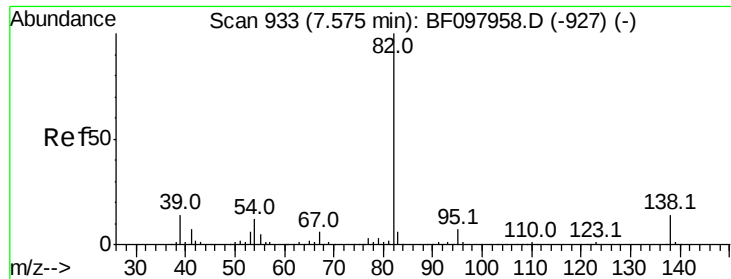
Tot Ion:	136	Resp:	453367
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	7.3	4.9	7.3
68	6.9	4.1	6.1#



#23
Nitrobenzene-d5
Concen: 76.682 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.04 min
Lab File: BF098162.D
Acq: 30 Aug 2017 18:16

Tgt Ion:	82	Resp:	639951
Ion	Ratio	Lower	Upper
82	100		
128	39.8	34.0	51.0
54	40.5	42.2	63.2#





#25

Isophorone

Concen: 36.371 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.29 min

Lab File: BF098162.D

Acq: 30 Aug 2017 18:16

Instrument :

BNA_F

ClientSampled :

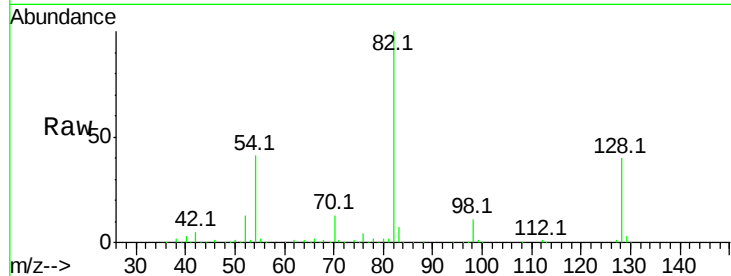
Tot Ion: 82 Resp: 631165

Ion Ratio Lower Upper

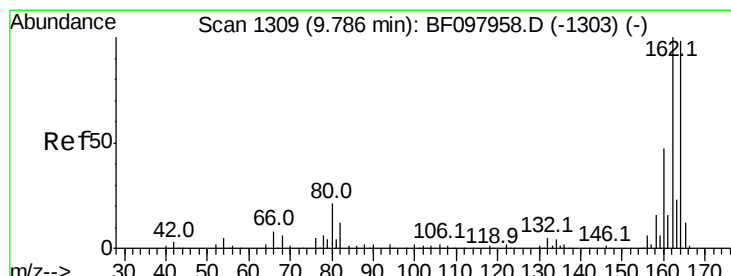
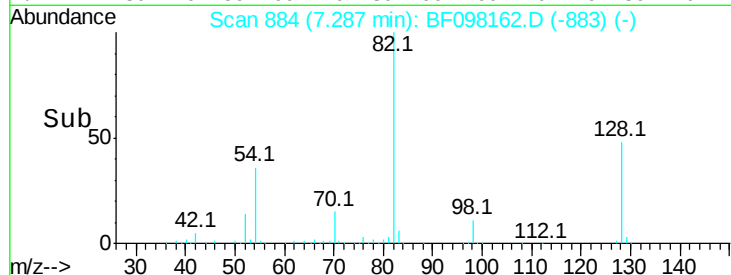
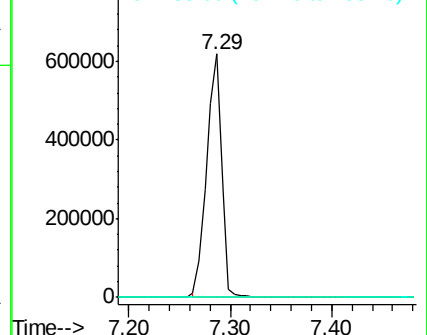
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



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: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.03 min

Lab File: BF098162.D

Acq: 30 Aug 2017 18:16

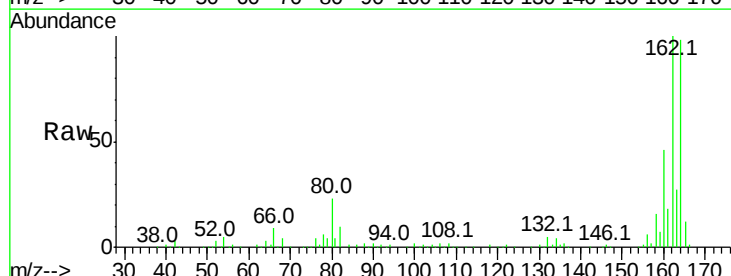
Tgt Ion:164 Resp: 208544

Ion Ratio Lower Upper

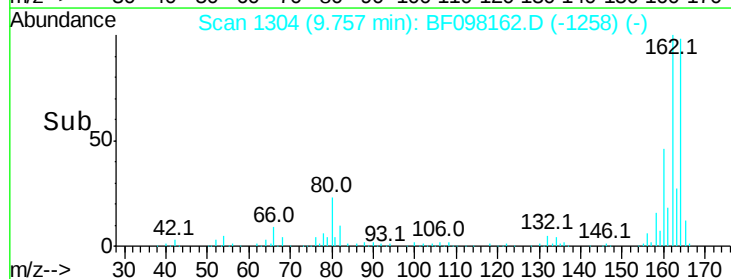
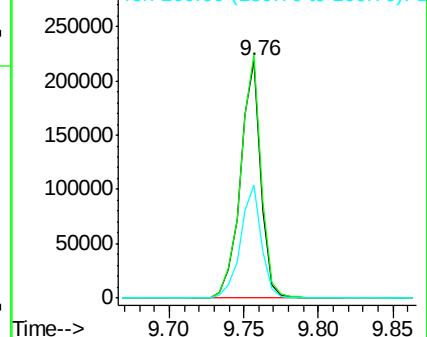
164 100

162 102.4 82.6 123.8

160 47.5 36.2 54.2



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

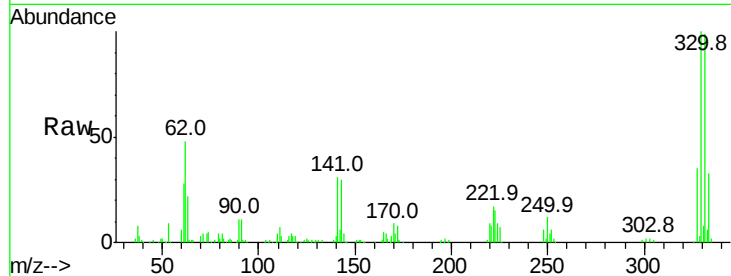




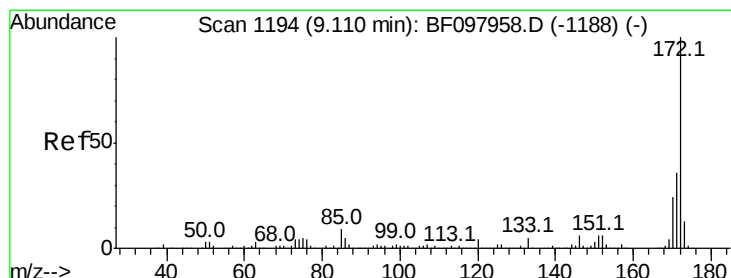
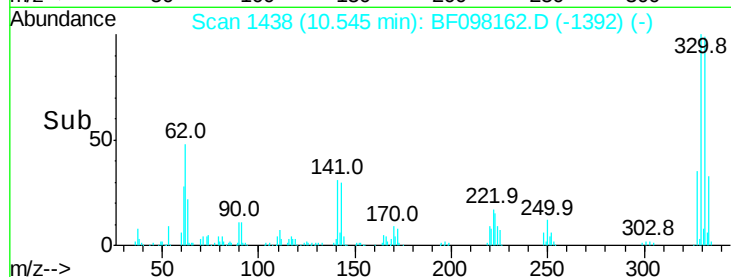
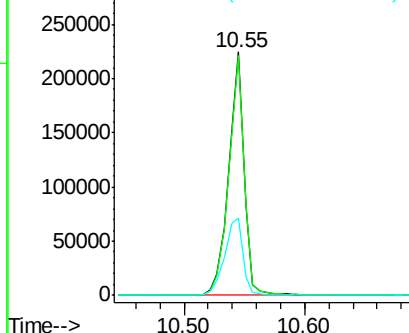
#41
 2,4,6-Tribromophenol
 Concen: 111.300 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.03 min
 Lab File: BF098162.D
 Acq: 30 Aug 2017 18:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.6	76.6	115.0
141	37.7	31.4	47.2

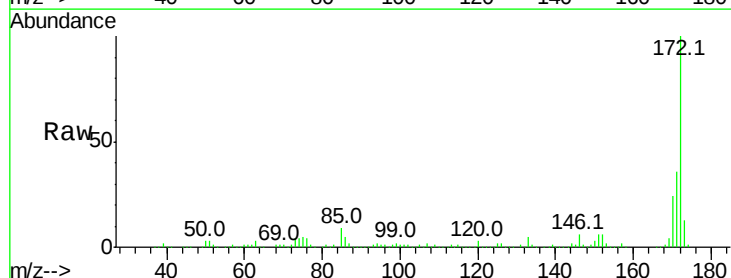


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

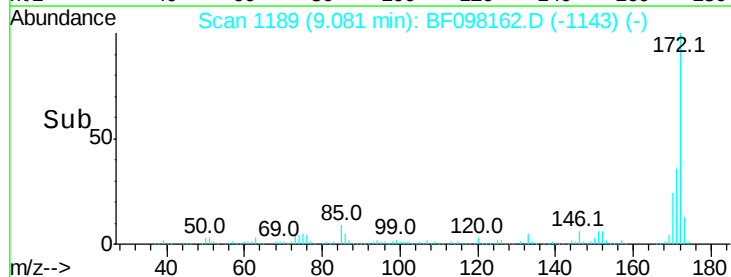
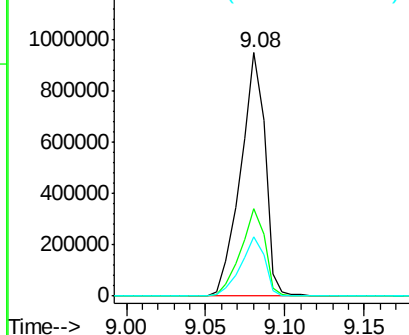


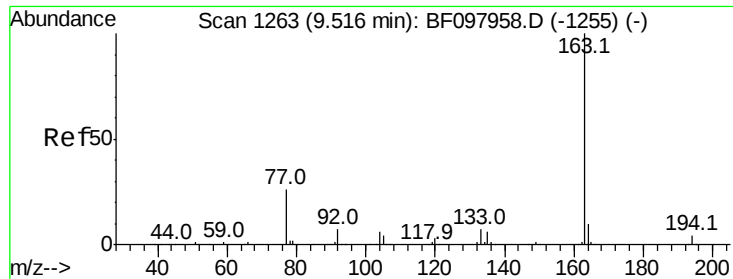
#44
 2-Fluorobiphenyl
 Concen: 71.390 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.03 min
 Lab File: BF098162.D
 Acq: 30 Aug 2017 18:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	24.3	19.8	29.8



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

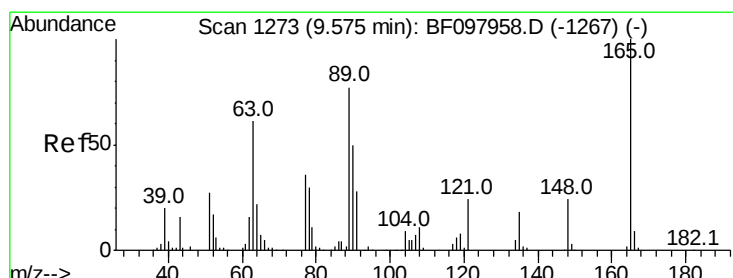
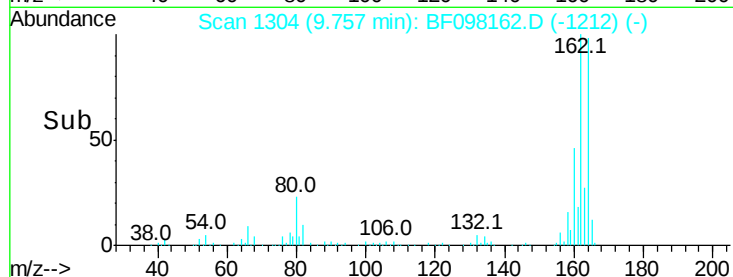
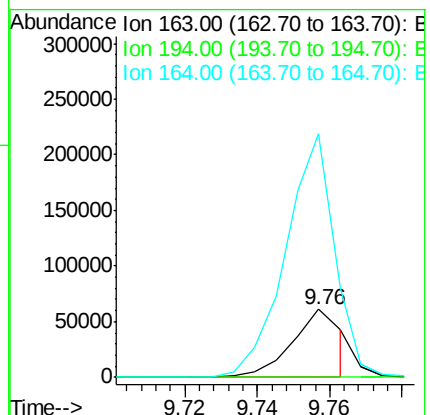
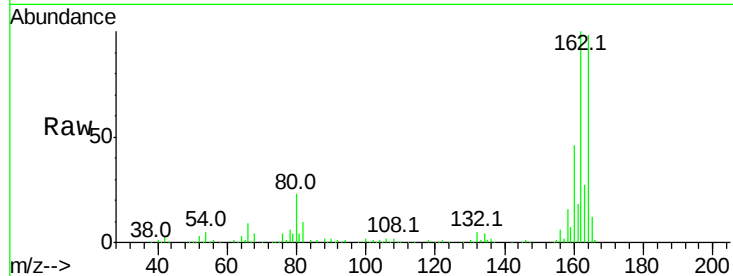




#49
Dimethylphthalate
Concen: 3.774 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.24 min
Lab File: BF098162.D
Acq: 30 Aug 2017 18:16

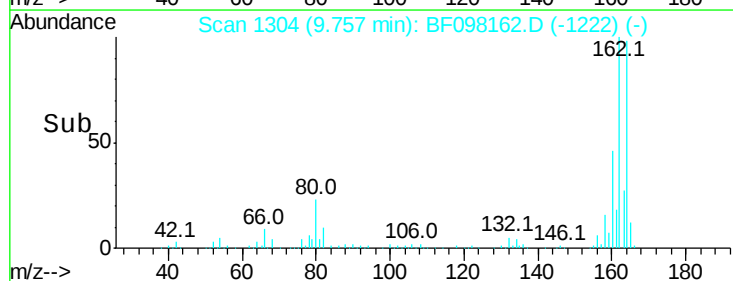
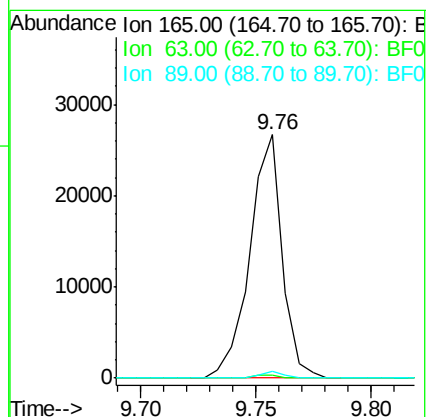
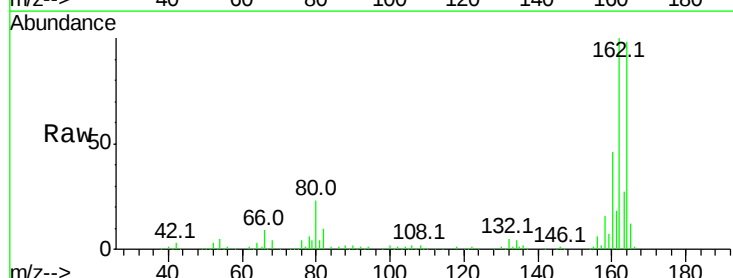
Instrument :
BNA_F
ClientSampleId :

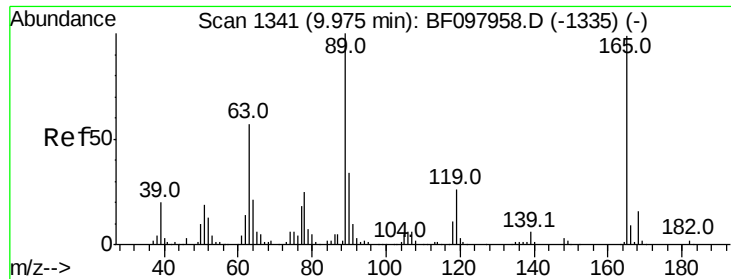
Tot Ion:163 Resp: 57527
Ion Ratio Lower Upper
163 100
194 0.0 2.6 4.0#
164 358.0 8.4 12.6#



#50
2,6-Dinitrotoluene
Concen: 8.584 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.18 min
Lab File: BF098162.D
Acq: 30 Aug 2017 18:16

Tgt Ion:165 Resp: 26121
Ion Ratio Lower Upper
165 100
63 1.5 34.3 51.5#
89 2.6 37.1 55.7#

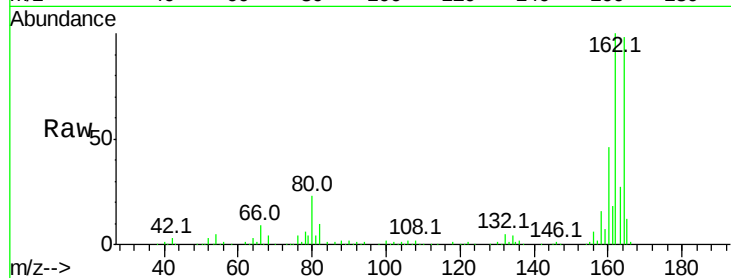




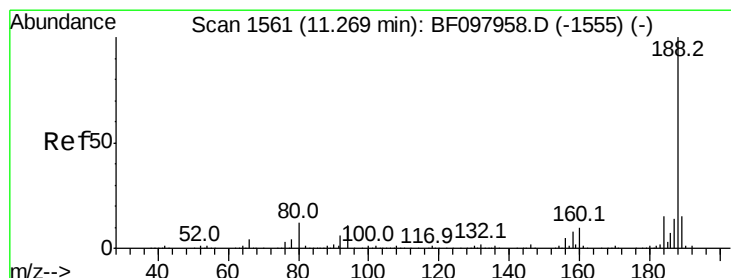
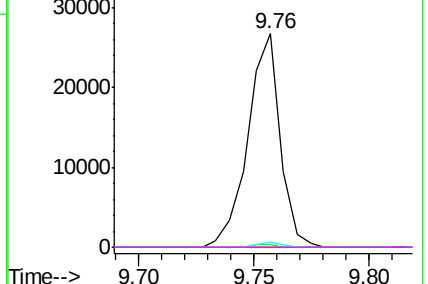
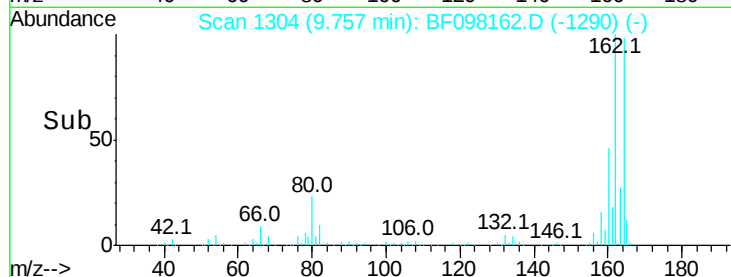
#56
 2,4-Dinitrotoluene
 Concen: 6.840 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.22 min
 Lab File: BF098162.D
 Acq: 30 Aug 2017 18:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 26121
 Ion Ratio Lower Upper
 165 100
 63 1.5 25.4 38.0#
 89 2.6 46.4 69.6#
 182 0.0 1.8 2.6#

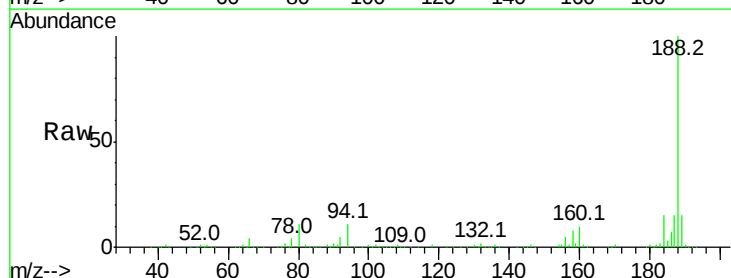


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

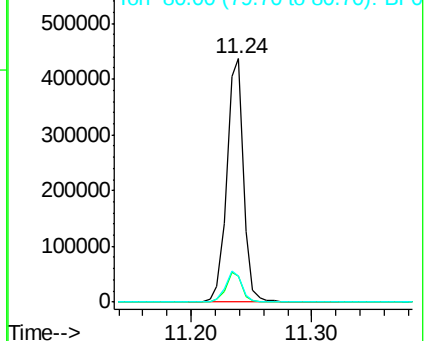
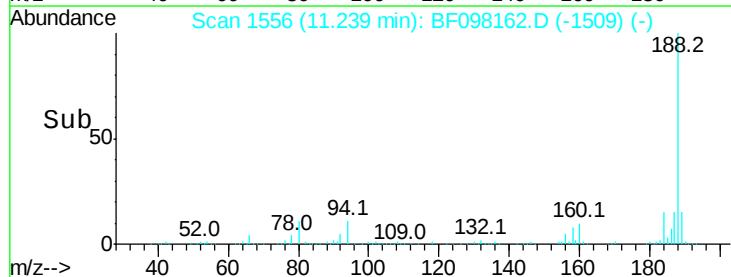


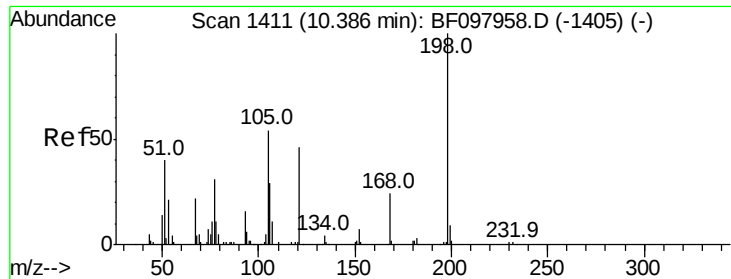
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.02 min
 Lab File: BF098162.D
 Acq: 30 Aug 2017 18:16

Tgt Ion:188 Resp: 418858
 Ion Ratio Lower Upper
 188 100
 94 10.9 9.4 14.2
 80 10.7 10.2 15.2



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





#64

4,6-Dinitro-2-methylphenol

Concen: 8.464 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.16 min

Lab File: BF098162.D

Acq: 30 Aug 2017 18:16

Instrument :

BNA_F

ClientSampleId :

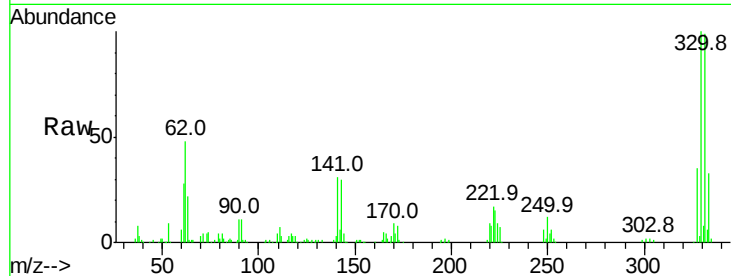
Tot Ion:198 Resp: 343

Ion Ratio Lower Upper

198 100

51 200.0 53.2 93.2#

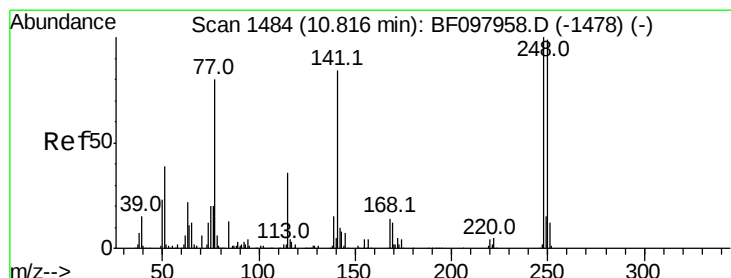
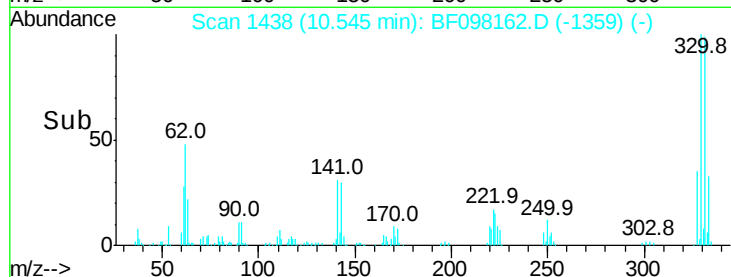
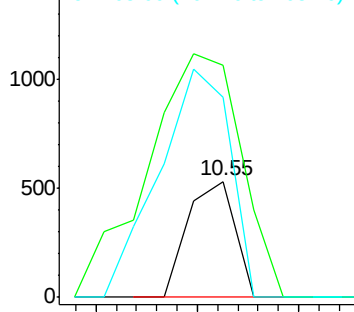
105 172.2 45.8 85.8#



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: 3.098 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.27 min

Lab File: BF098162.D

Acq: 30 Aug 2017 18:16

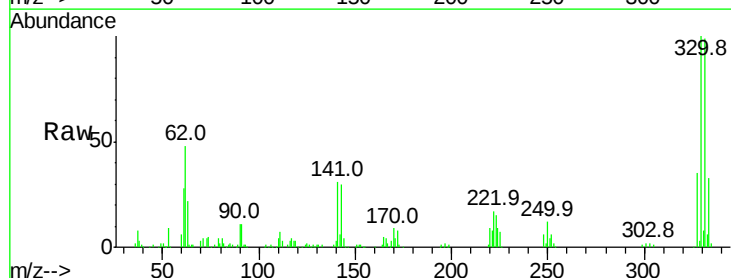
Tgt Ion:248 Resp: 13475

Ion Ratio Lower Upper

248 100

250 186.1 76.8 115.2#

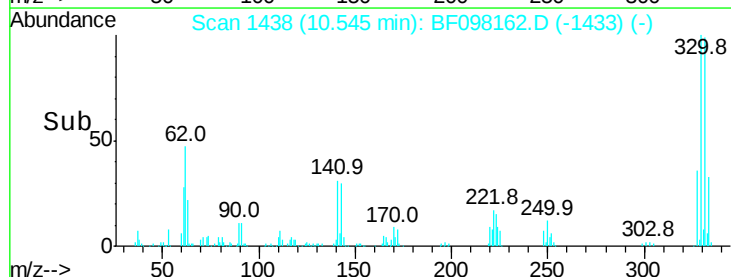
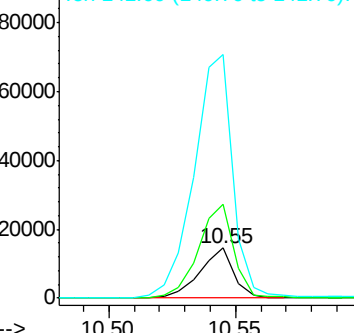
141 485.1 68.6 103.0#

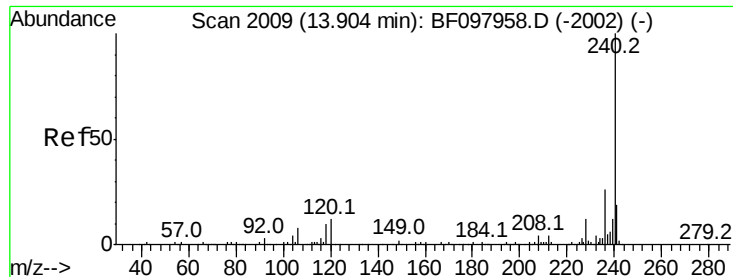


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.03 min

Lab File: BF098162.D

Acq: 30 Aug 2017 18:16

Instrument :

BNA_F

ClientSampled :

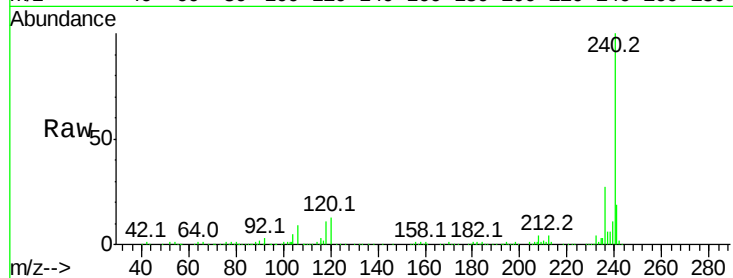
Tot Ion:240 Resp: 355710

Ion Ratio Lower Upper

240 100

120 12.8 5.8 8.8#

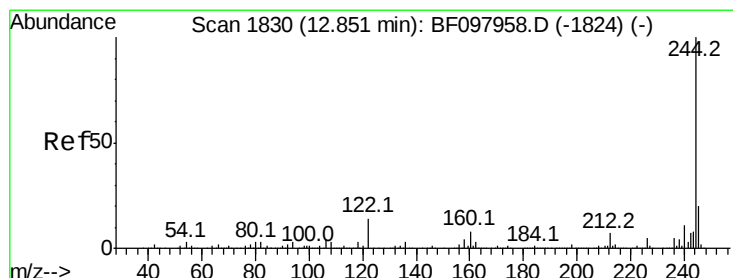
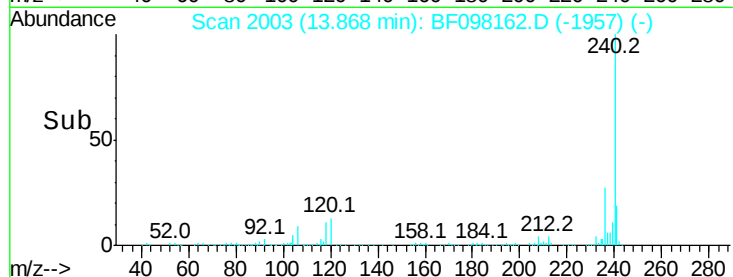
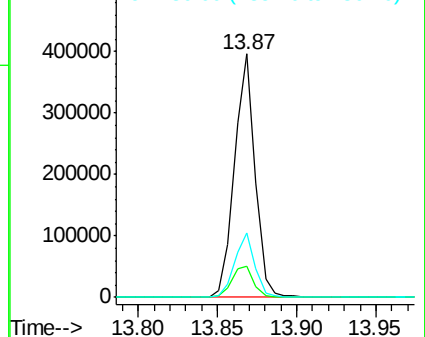
236 26.6 20.5 30.7



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: 54.907 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BF098162.D

Acq: 30 Aug 2017 18:16

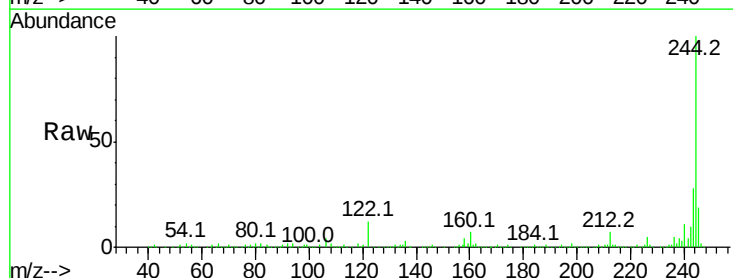
Tgt Ion:244 Resp: 936581

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

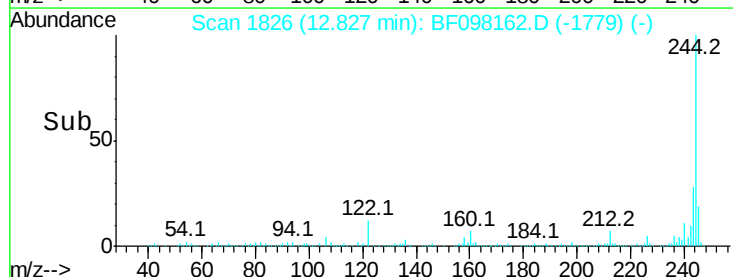
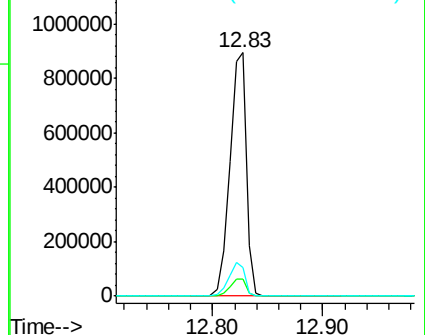
122 12.0 10.3 15.5

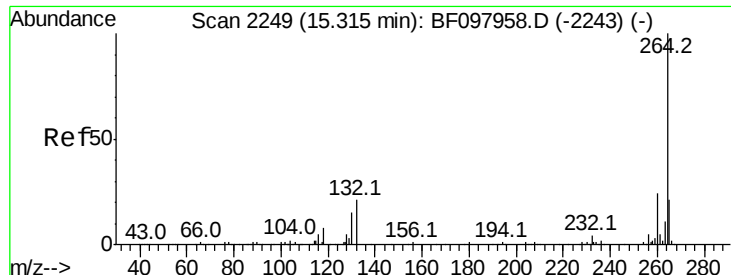


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

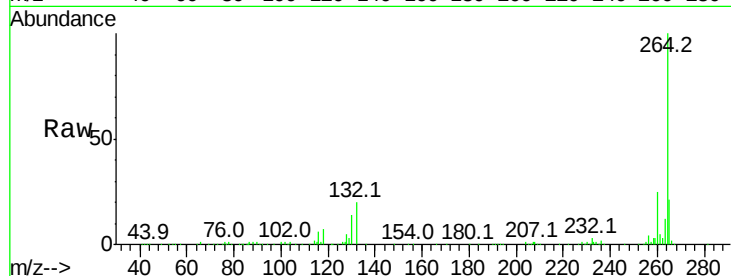




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.03 min
Lab File: BF098162.D
Acq: 30 Aug 2017 18:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.5	29.3
265	20.9	17.2	25.8



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

