

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083117\
 Data File : BF098204.D
 Acq On : 31 Aug 2017 19:44
 Operator : SJ/JU
 Sample : PB101939BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 01 01:52:24 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

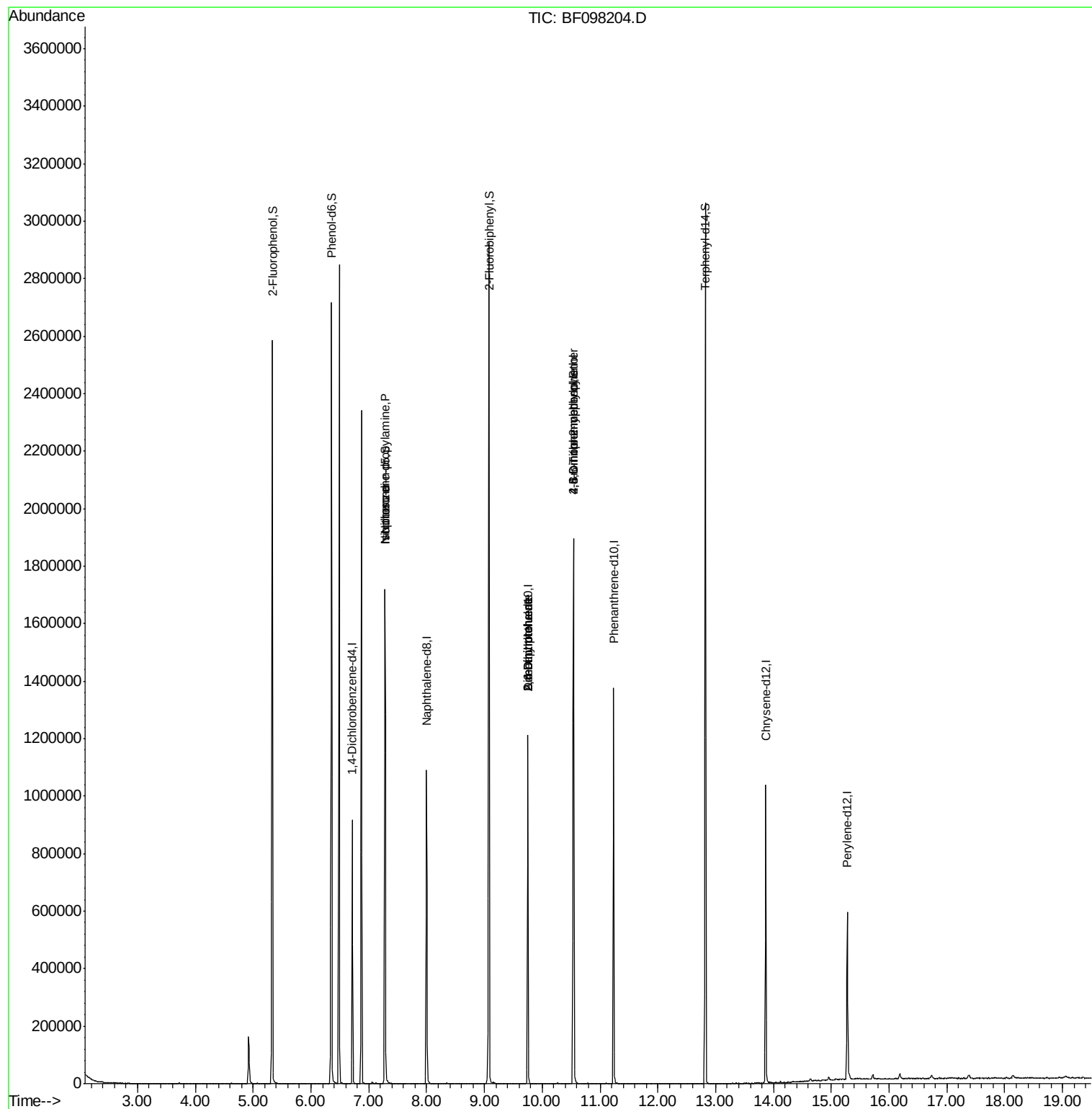
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	117885	20.00	ng	-0.04
21) Naphthalene-d8	8.00	136	479668	20.00	ng	-0.04
38) Acenaphthene-d10	9.75	164	224354	20.00	ng	-0.04
63) Phenanthrene-d10	11.23	188	461081	20.00	ng	-0.03
75) Chrysene-d12	13.86	240	363481	20.00	ng	-0.04
86) Perylene-d12	15.27	264	262311	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	818038	105.55	ng	-0.02
7) Phenol-d6	6.36	99	1088393	103.36	ng	-0.03
23) Nitrobenzene-d5	7.28	82	678007	76.79	ng	-0.04
41) 2,4,6-Tribromophenol	10.54	330	236281	121.38	ng	-0.04
44) 2-Fluorobiphenyl	9.08	172	1069104	70.01	ng	-0.03
78) Terphenyl-d14	12.82	244	1043310	59.86	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.28	70	90514	12.557	ng	# 71
25) Isophorone	7.28	82	653338	35.585	ng	# 67
49) Dimethylphthalate	9.75	163	60441	3.686	ng	# 1
50) 2,6-Dinitrotoluene	9.75	165	28939	8.840	ng	# 34
56) 2,4-Dinitrotoluene	9.75	165	28939	7.044	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.54	198	304	8.436	ng	# 1
66) 4-Bromophenyl-phenylether	10.54	248	14860	3.104	ng	# 1

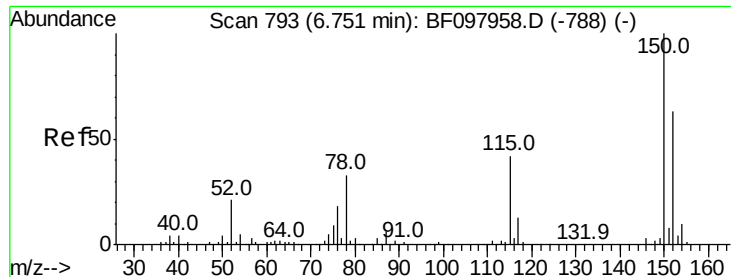
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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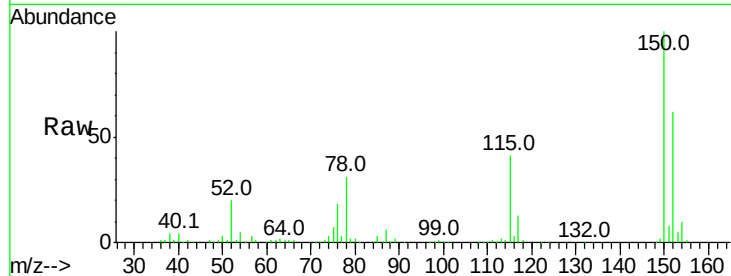


#1

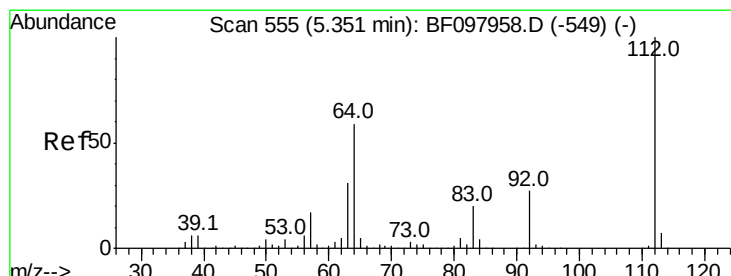
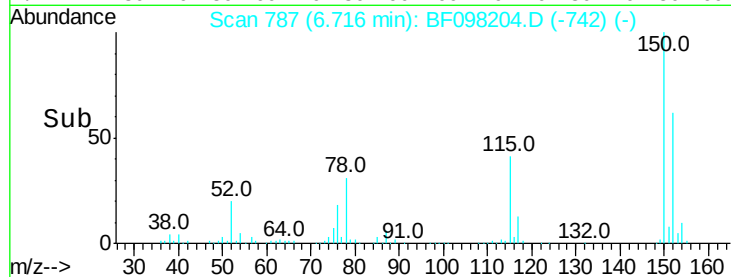
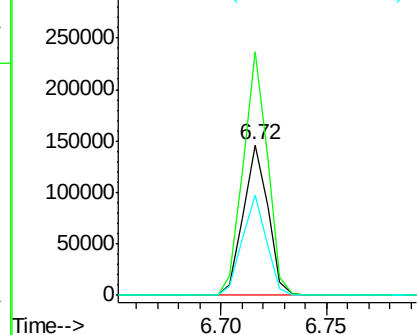
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.04 min
Lab File: BF098204.D
Acq: 31 Aug 2017 19:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 117885
Ion Ratio Lower Upper
152 100
150 161.6 126.2 189.2
115 66.8 52.2 78.2



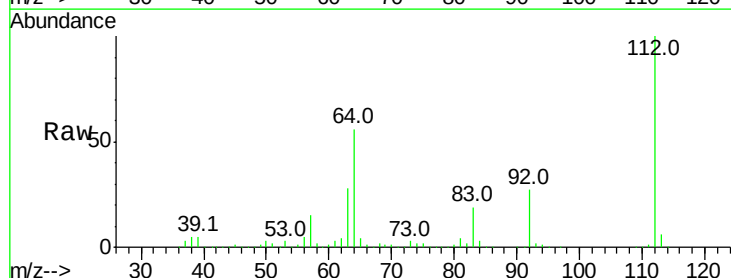
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



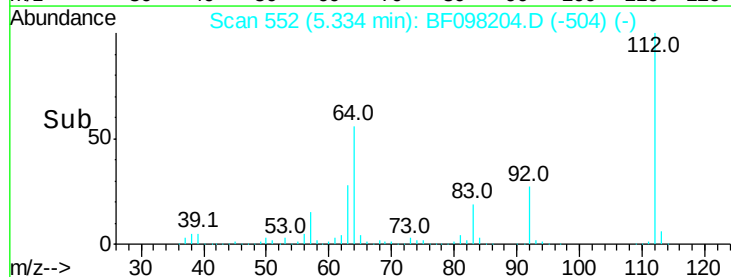
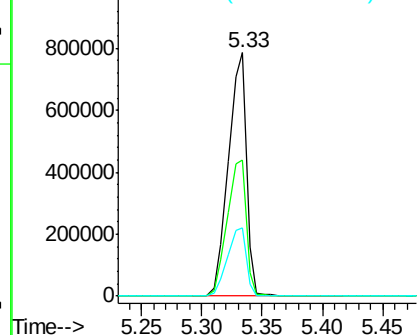
#5

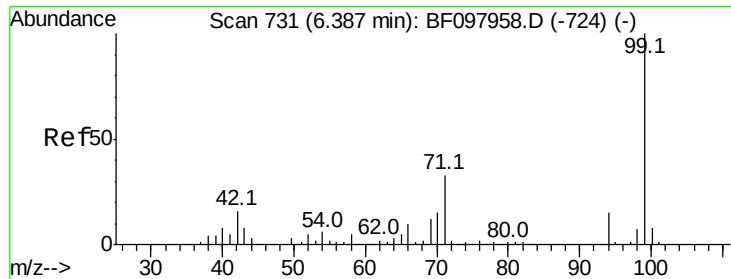
2-Fluorophenol
Concen: 105.552 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF098204.D
Acq: 31 Aug 2017 19:44

Tgt Ion:112 Resp: 818038
Ion Ratio Lower Upper
112 100
64 56.0 46.0 69.0
63 27.9 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: 103.359 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF098204.D

Acq: 31 Aug 2017 19:44

Instrument :

BNA_F

ClientSampled :

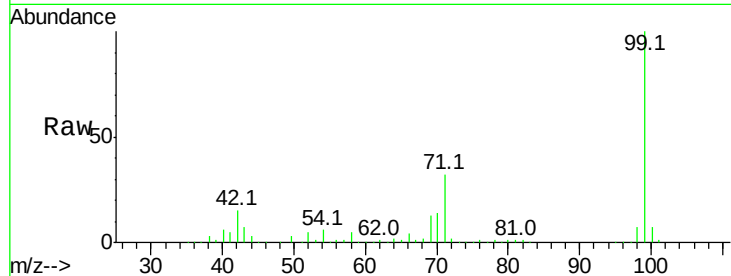
Tot Ion: 99 Resp: 1088393

Ion Ratio Lower Upper

99 100

42 14.5 13.5 20.3

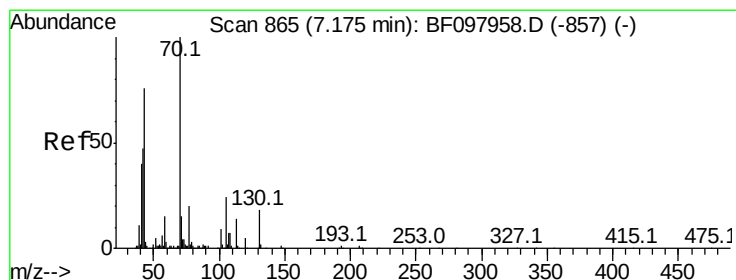
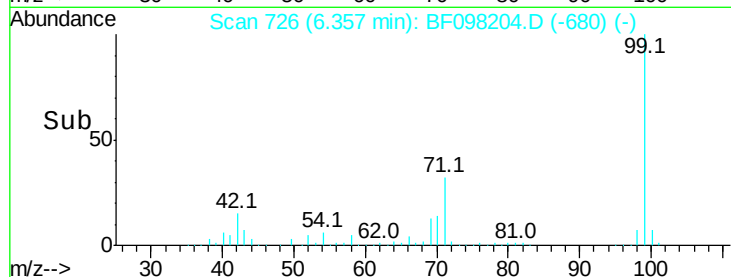
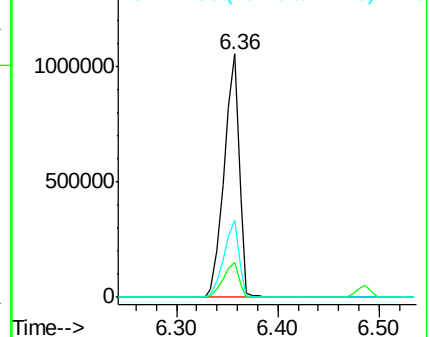
71 31.9 24.5 36.7



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: 12.557 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.11 min

Lab File: BF098204.D

Acq: 31 Aug 2017 19:44

Tgt Ion: 70 Resp: 90514

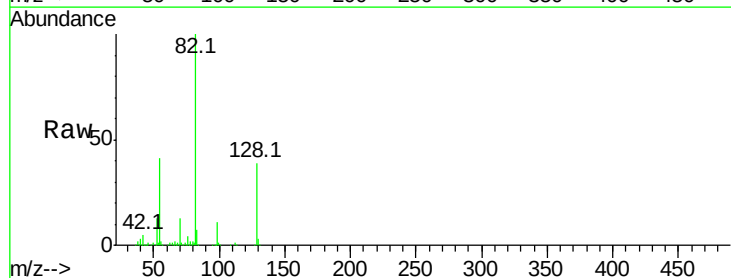
Ion Ratio Lower Upper

70 100

42 39.5 47.2 70.8#

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#

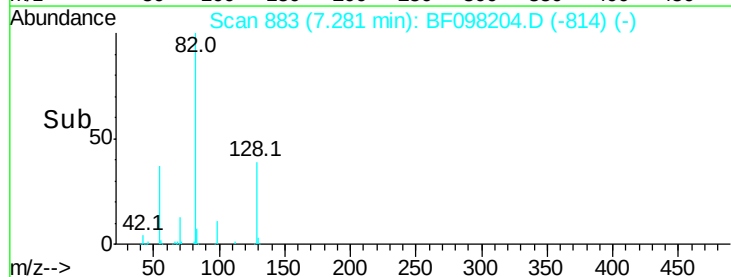
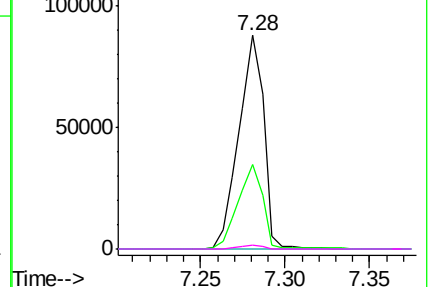


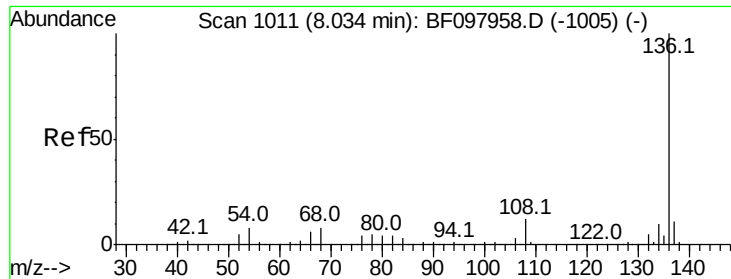
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

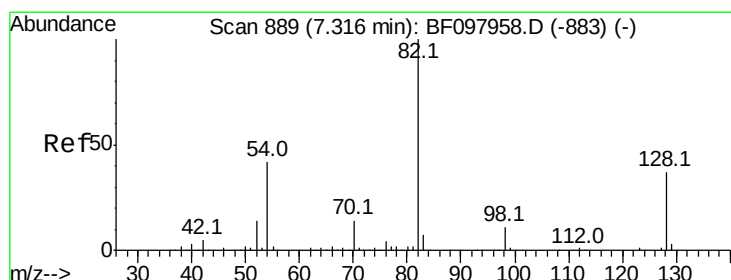
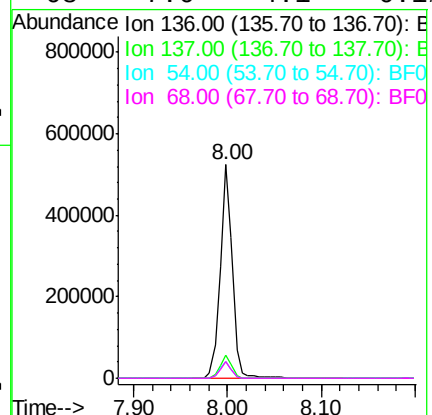
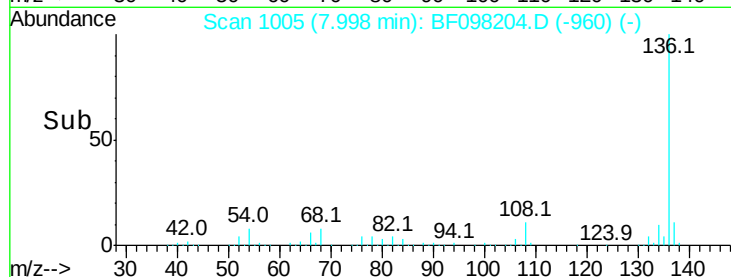
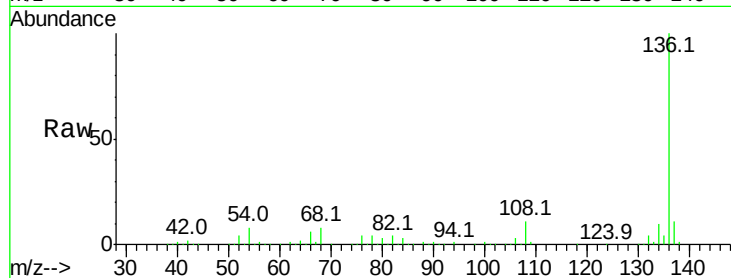




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.04 min
Lab File: BF098204.D
Acq: 31 Aug 2017 19:44

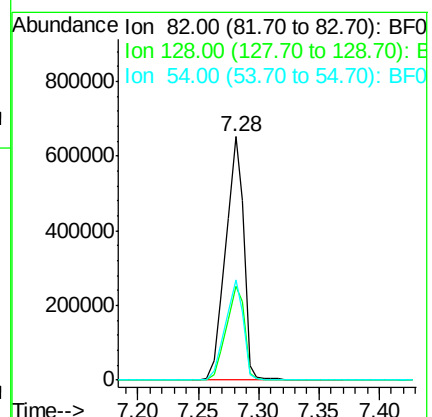
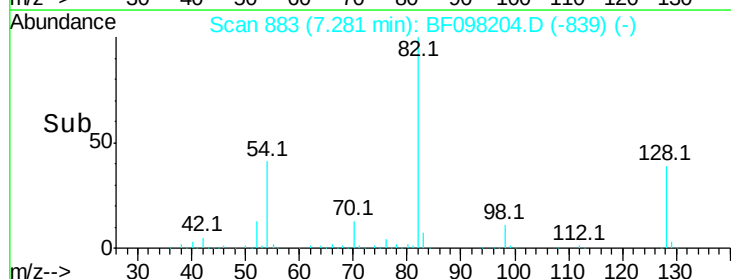
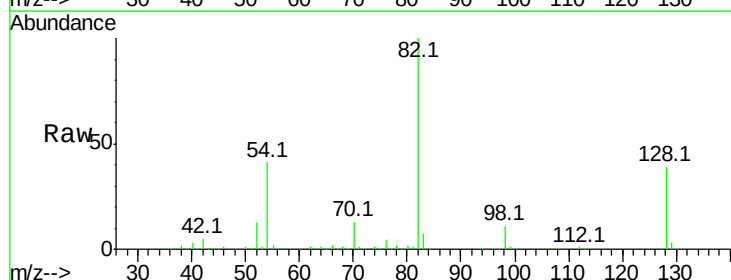
Instrument :
BNA_F
ClientSampleId :

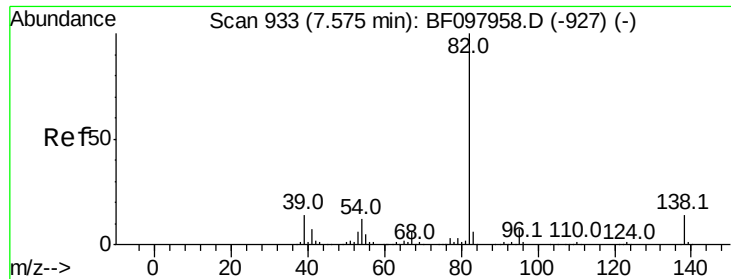
Tot Ion:	136	Resp:	479668
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	7.6	4.9	7.3#
68	7.6	4.1	6.1#



#23
Nitrobenzene-d5
Concen: 76.787 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.04 min
Lab File: BF098204.D
Acq: 31 Aug 2017 19:44

Tgt Ion:	82	Resp:	678007
Ion	Ratio	Lower	Upper
82	100		
128	38.5	34.0	51.0
54	41.1	42.2	63.2#





#25

Isophorone

Concen: 35.585 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.30 min

Lab File: BF098204.D

Acq: 31 Aug 2017 19:44

Instrument :
BNA_F
ClientSampled :

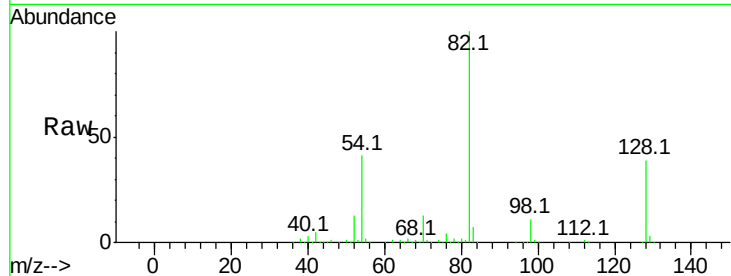
Tot Ion: 82 Resp: 653338

Ion Ratio Lower Upper

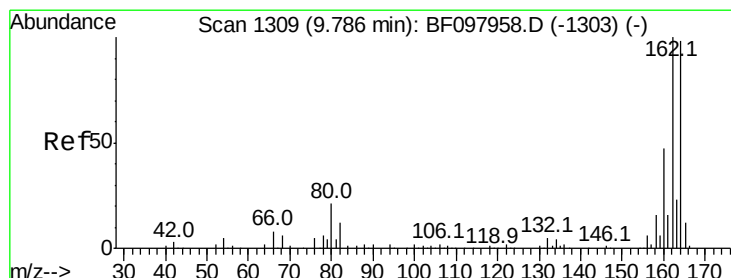
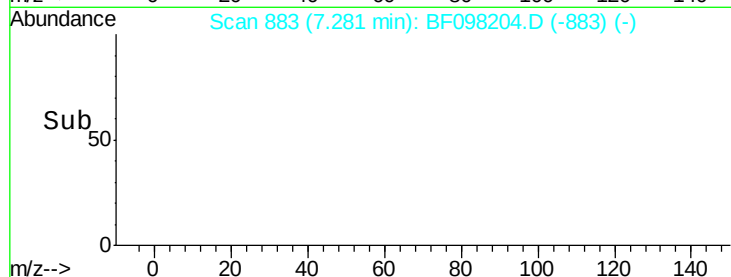
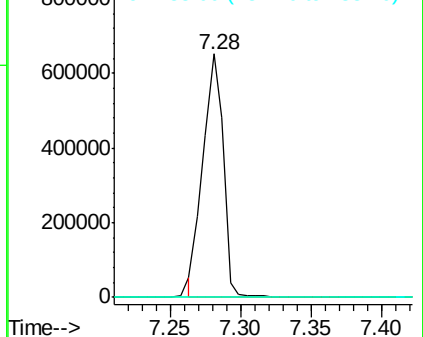
82 100

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): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.04 min

Lab File: BF098204.D

Acq: 31 Aug 2017 19:44

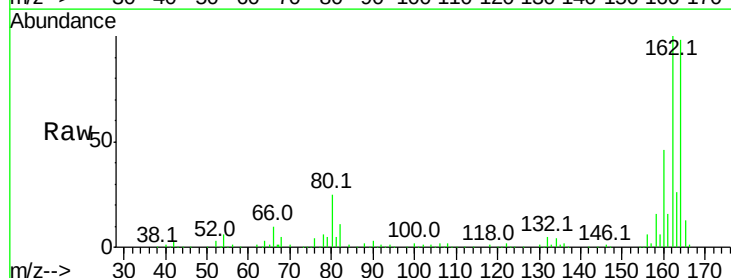
Tgt Ion:164 Resp: 224354

Ion Ratio Lower Upper

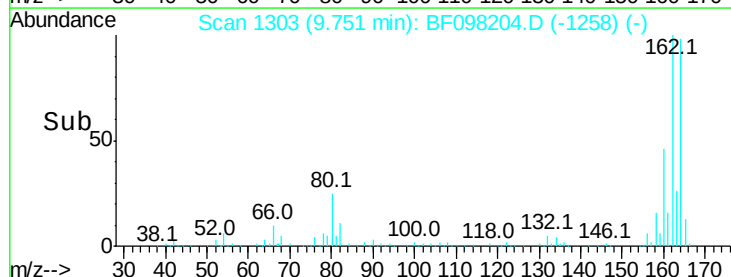
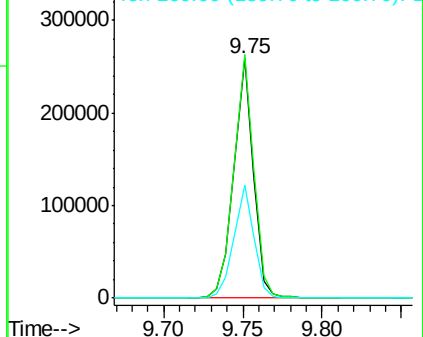
164 100

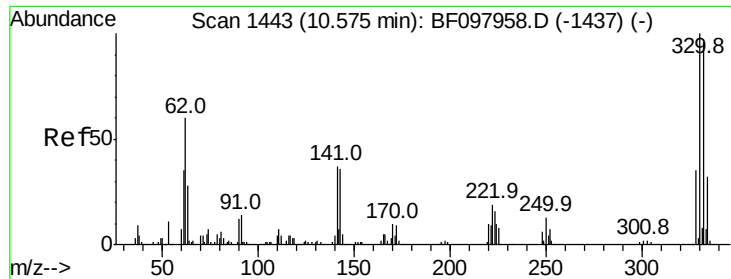
162 101.8 82.6 123.8

160 47.1 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

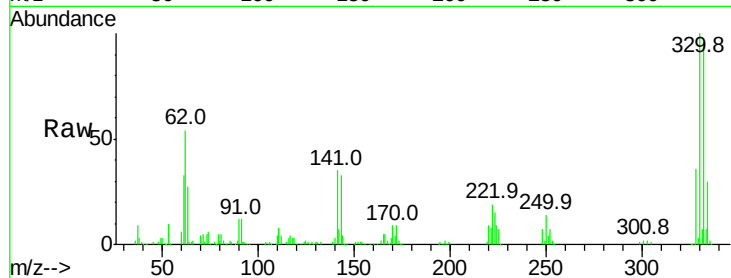




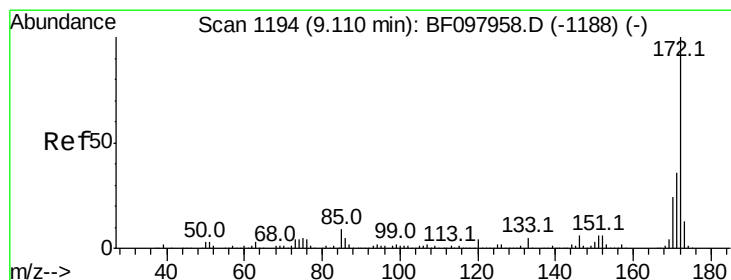
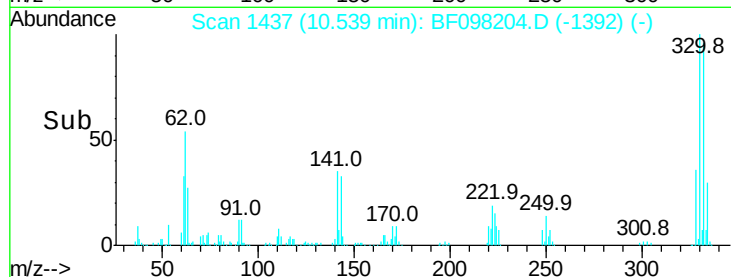
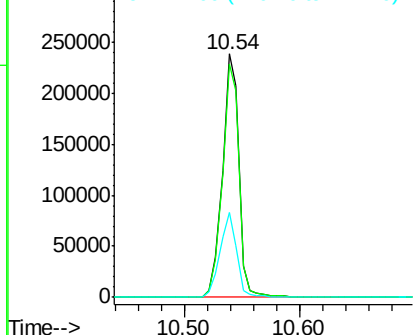
#41
 2,4,6-Tribromophenol
 Concen: 121.379 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.04 min
 Lab File: BF098204.D
 Acq: 31 Aug 2017 19:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.6	115.0
141	35.3	31.4	47.2

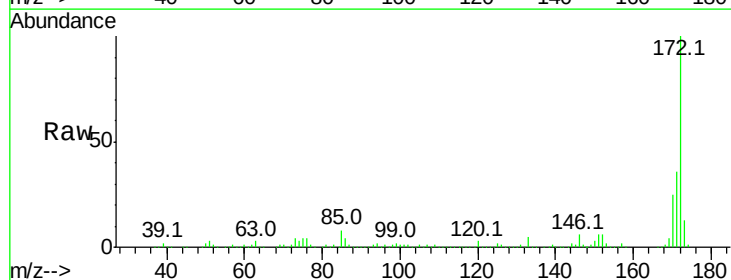


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

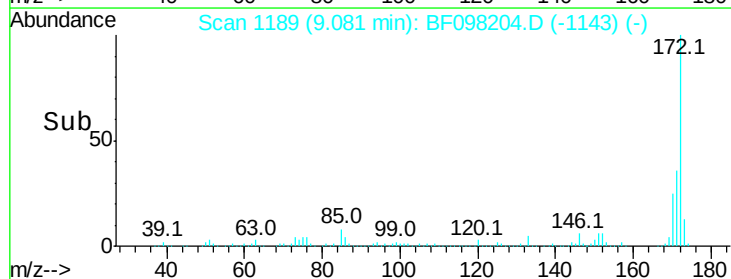
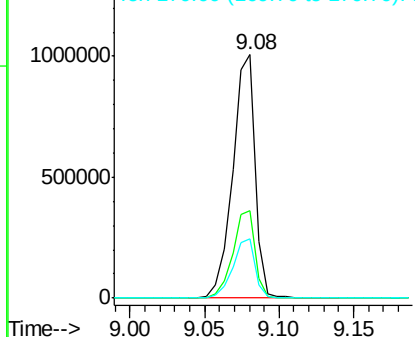


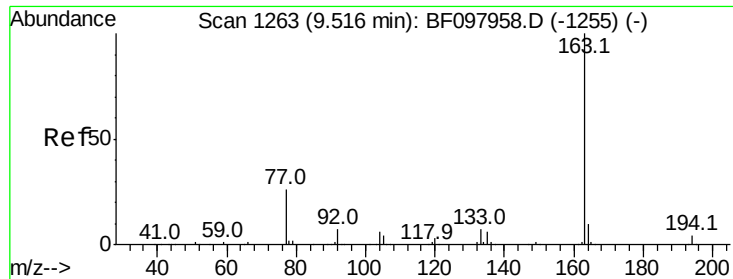
#44
 2-Fluorobiphenyl
 Concen: 70.011 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.03 min
 Lab File: BF098204.D
 Acq: 31 Aug 2017 19:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	24.5	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: 3.686 ng

RT: 9.75 min Scan# 1303

Delta R.T. 0.24 min

Lab File: BF098204.D

Acq: 31 Aug 2017 19:44

Instrument :

BNA_F

ClientSampleId :

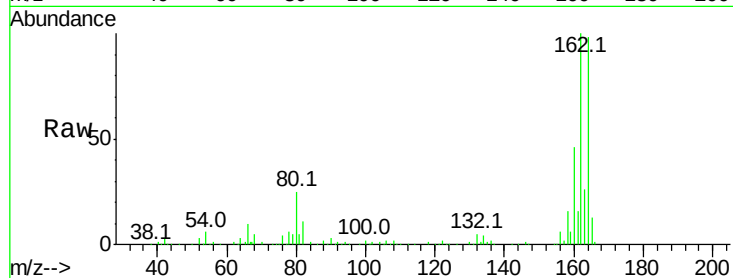
Tot Ion:163 Resp: 60441

Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

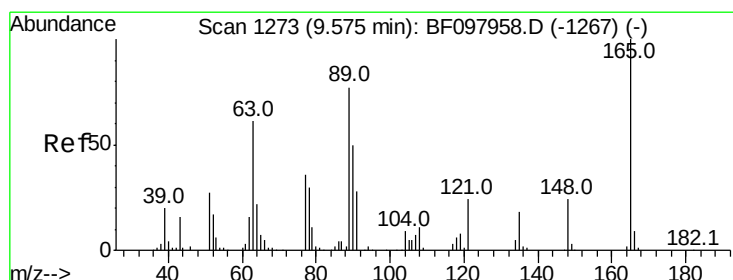
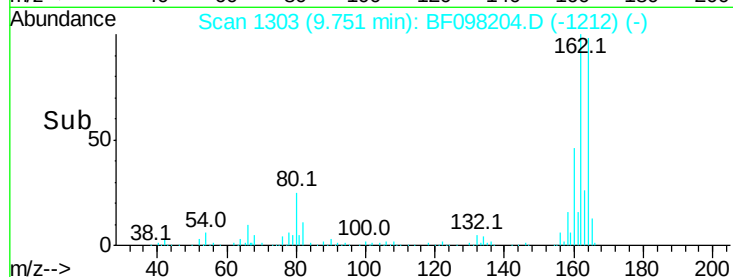
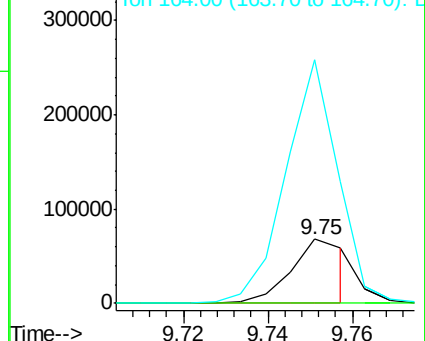
164 379.6 8.4 12.6#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 8.840 ng

RT: 9.75 min Scan# 1303

Delta R.T. 0.18 min

Lab File: BF098204.D

Acq: 31 Aug 2017 19:44

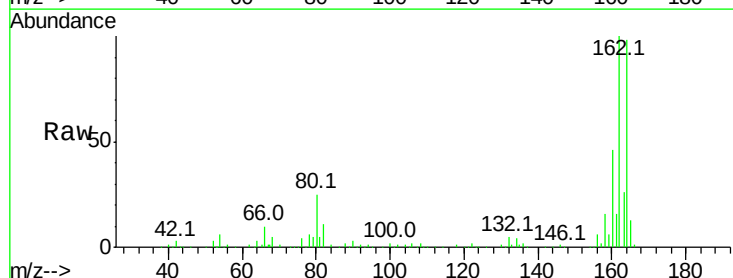
Tgt Ion:165 Resp: 28939

Ion Ratio Lower Upper

165 100

63 1.1 34.3 51.5#

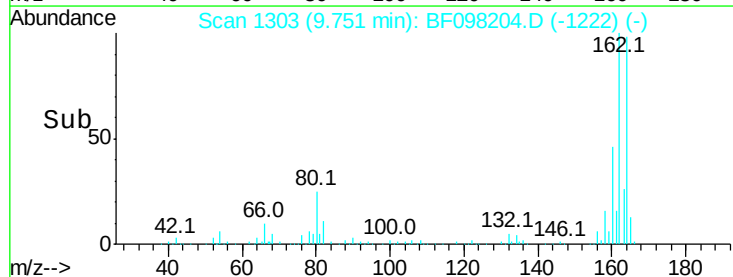
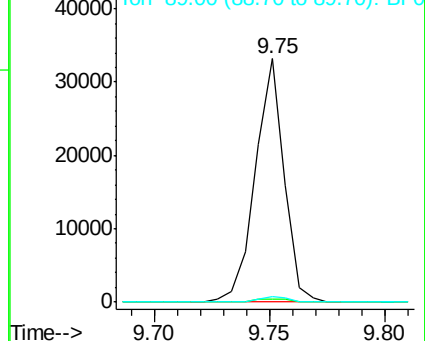
89 2.3 37.1 55.7#

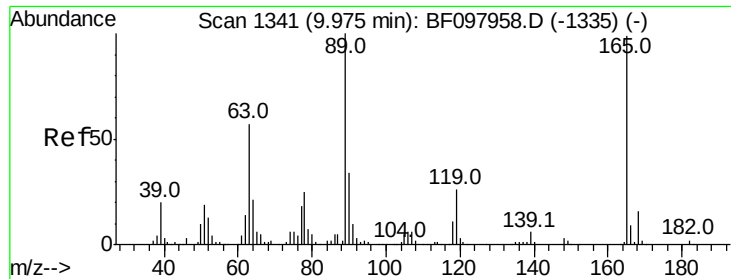


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 7.044 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.22 min

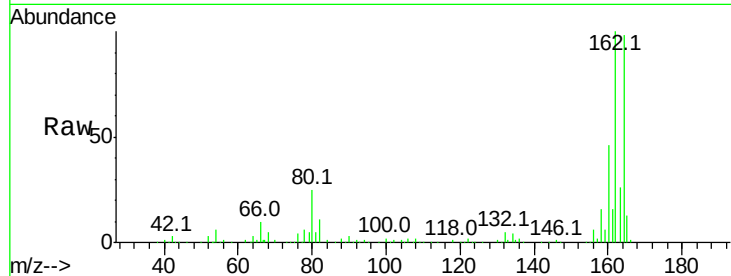
Lab File: BF098204.D

Acq: 31 Aug 2017 19:44

Instrument :

BNA_F

ClientSampled :



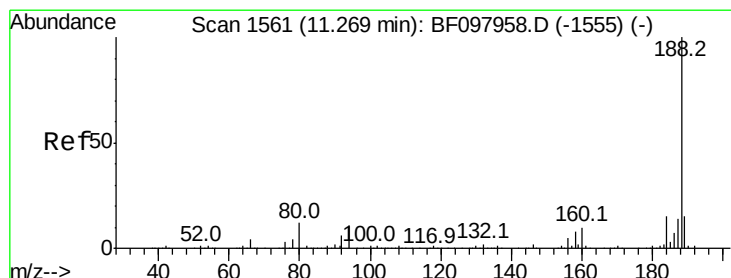
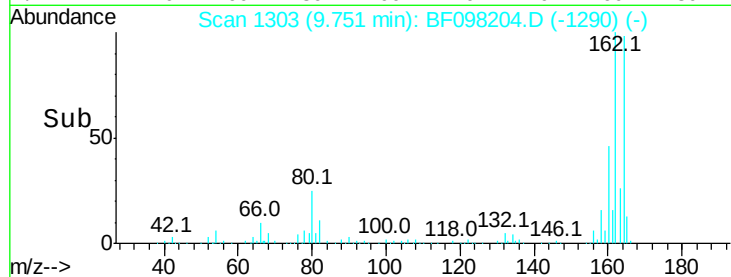
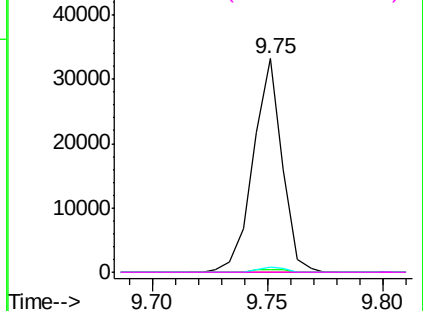
Tot Ion:	165	Resp:	28939
Ion	Ratio	Lower	Upper
165	100		
63	1.1	25.4	38.0#
89	2.3	46.4	69.6#
182	0.0	1.8	2.6#

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: 11.23 min Scan# 1555

Delta R.T. -0.03 min

Lab File: BF098204.D

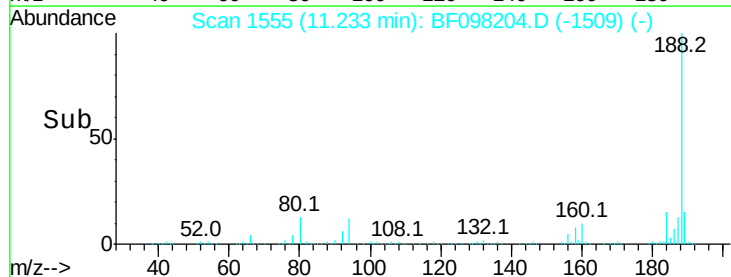
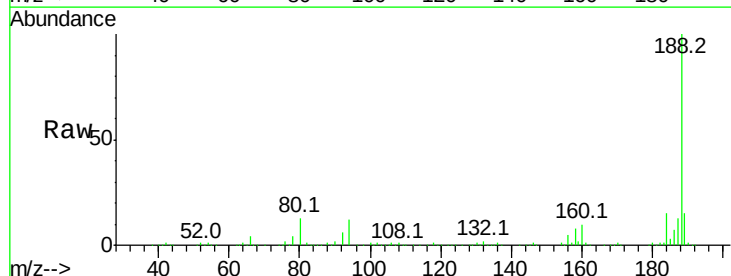
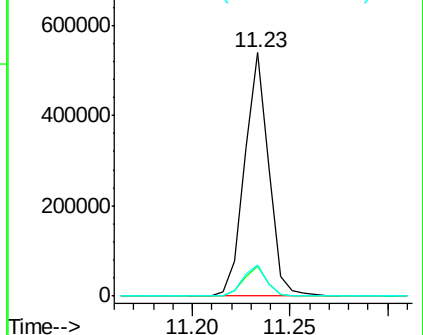
Acq: 31 Aug 2017 19:44

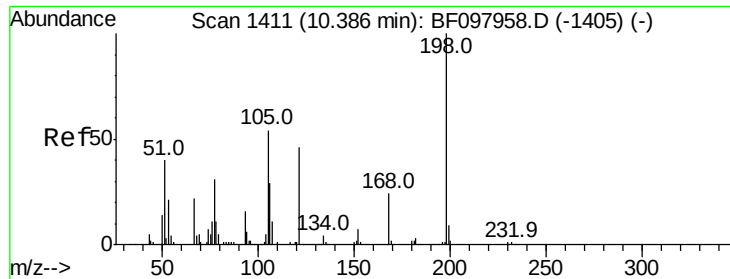
Tgt Ion:	188	Resp:	461081
Ion	Ratio	Lower	Upper
188	100		
94	12.0	9.4	14.2
80	12.7	10.2	15.2

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

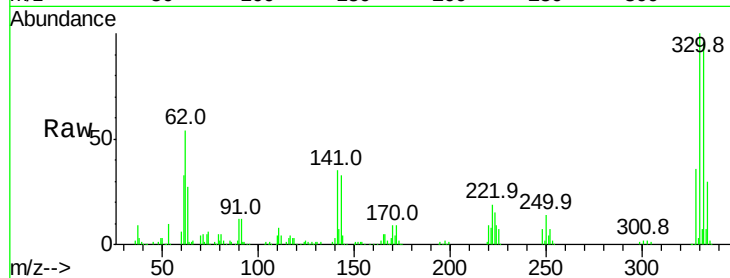




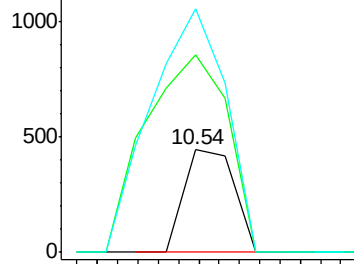
#64
4,6-Dinitro-2-methylphenol
Concen: 8.436 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.16 min
Lab File: BF098204.D
Acq: 31 Aug 2017 19:44

Instrument :
BNA_F
ClientSampleId :

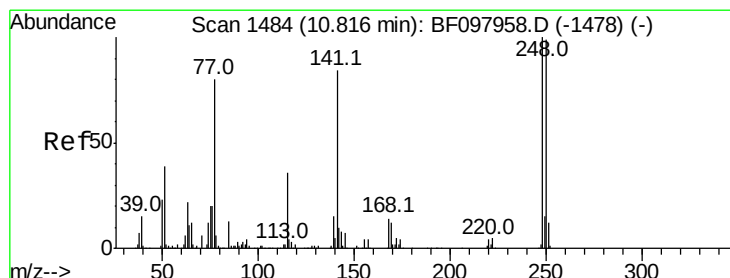
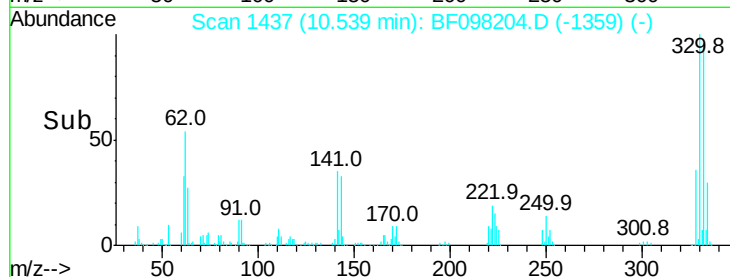
Tot Ion	Ratio	Lower	Upper
198	100		
51	193.2	53.2	93.2#
105	238.4	45.8	85.8#



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

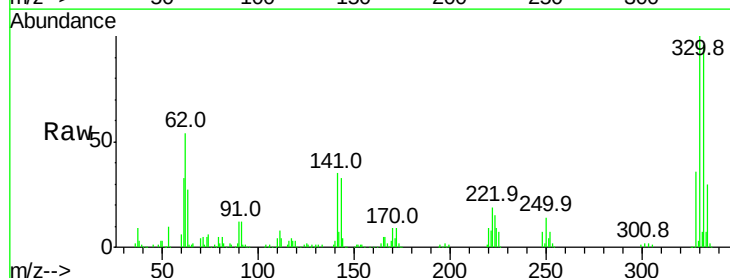


Time-->

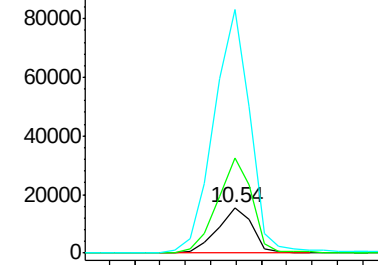


#66
4-Bromophenyl-phenylether
Concen: 3.104 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.28 min
Lab File: BF098204.D
Acq: 31 Aug 2017 19:44

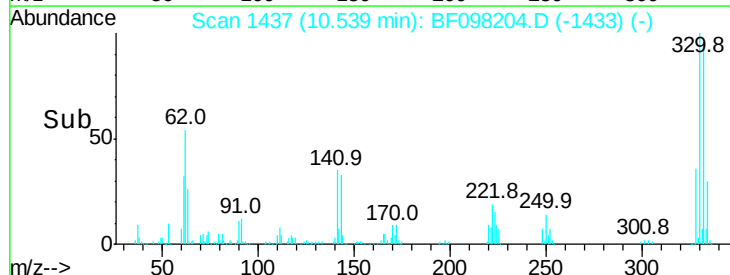
Tgt Ion	Ratio	Lower	Upper
248	100		
250	208.7	76.8	115.2#
141	530.9	68.6	103.0#

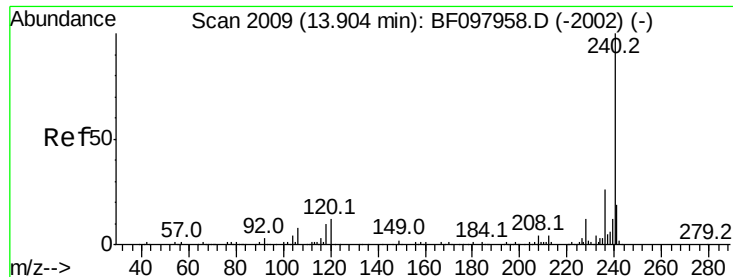


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E



Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.04 min

Lab File: BF098204.D

Acq: 31 Aug 2017 19:44

Instrument :

BNA_F

ClientSampleId :

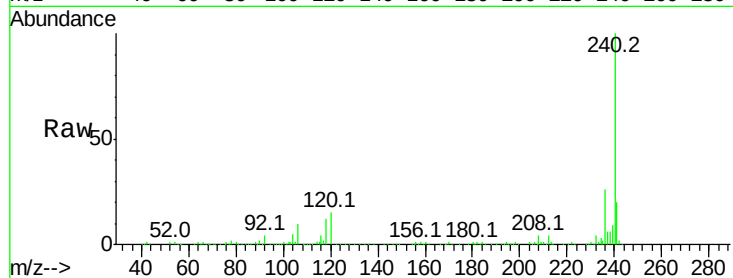
Tot Ion:240 Resp: 363481

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

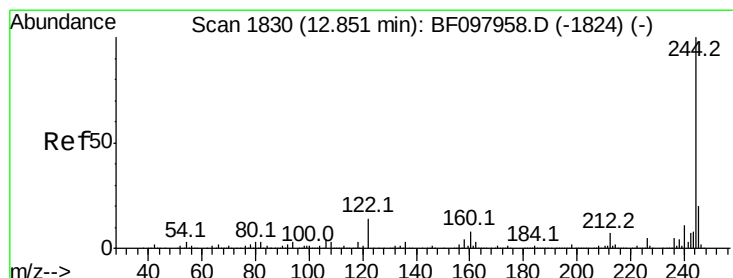
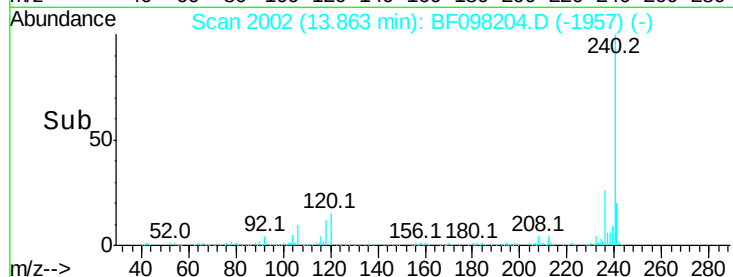
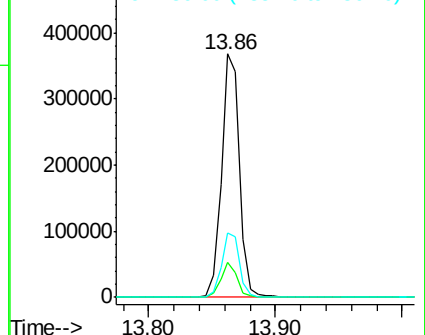
236 26.4 20.5 30.7



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: 59.856 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.03 min

Lab File: BF098204.D

Acq: 31 Aug 2017 19:44

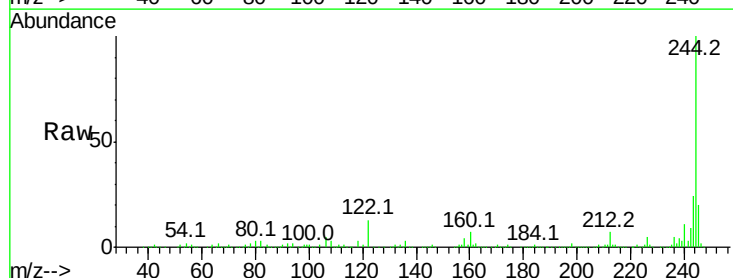
Tgt Ion:244 Resp: 1043310

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

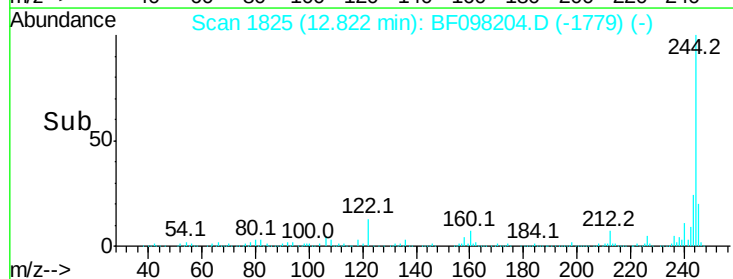
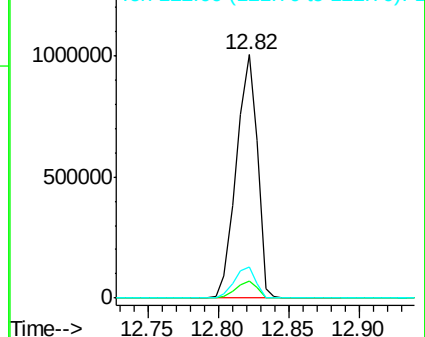
122 12.6 10.3 15.5

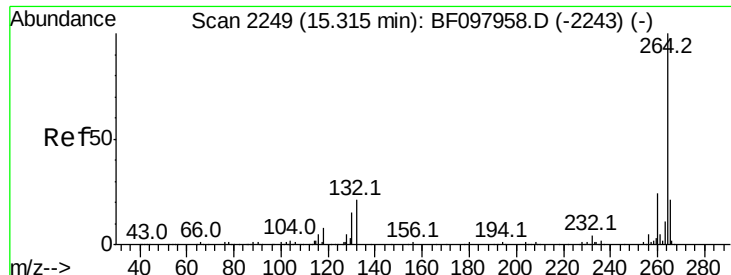


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

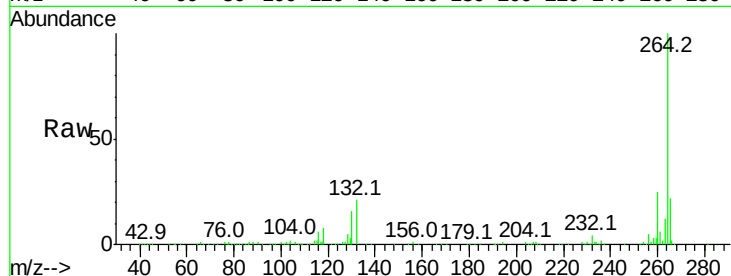




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2242
 Delta R.T. -0.04 min
 Lab File: BF098204.D
 Acq: 31 Aug 2017 19:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	22.0	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

