

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091417\
 Data File : BF098523.D
 Acq On : 14 Sep 2017 12:26
 Operator : SJ/JU
 Sample : I5203-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A4129

Quant Time: Sep 14 15:41:34 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 14 15:40:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	136514	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	564701	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	253057	20.00	ng	0.00
63) Phenanthrene-d10	11.16	188	464312	20.00	ng	0.00
75) Chrysene-d12	13.79	240	273435	20.00	ng	-0.01
86) Perylene-d12	15.19	264	289607	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	1111214	120.35	ng	0.02
7) Phenol-d6	6.30	99	1259099	107.40	ng	0.00
23) Nitrobenzene-d5	7.22	82	902300	89.08	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	294552	174.40	ng	0.00
44) 2-Fluorobiphenyl	9.01	172	1536324	102.90	ng	0.00
78) Terphenyl-d14	12.75	244	1252107	98.84	ng	0.00

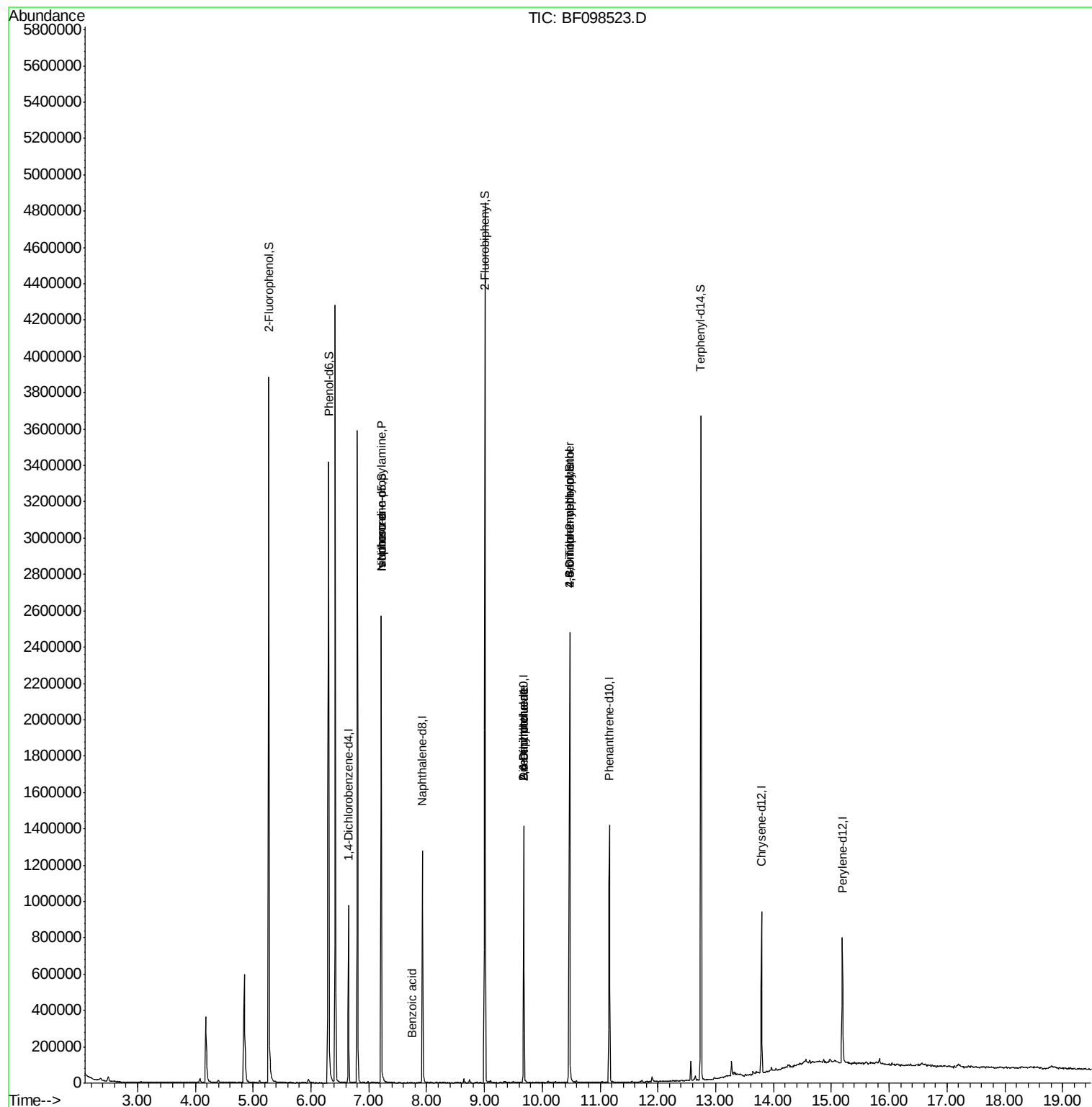
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.22	70	118000	16.002	ng	# 82
25) Isophorone	7.22	82	894123	43.628	ng	# 67
32) Benzoic acid	7.73	122	373	8.022	ng	# 52
49) Dimethylphthalate	9.68	163	76178	3.889	ng	# 1
50) 2,6-Dinitrotoluene	9.68	165	33131	8.234	ng	# 33
56) 2,4-Dinitrotoluene	9.68	165	33131	6.773	ng	# 32
64) 4,6-Dinitro-2-methylphenol	10.47	198	572	5.144	ng	# 1
66) 4-Bromophenyl-phenylether	10.47	248	21965	4.984	ng	# 1

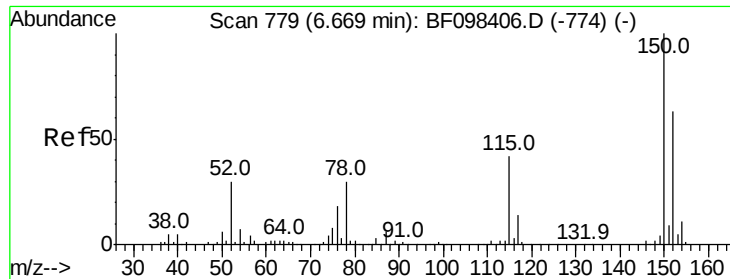
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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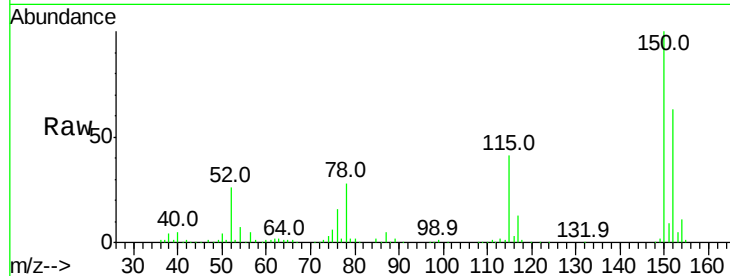


#1

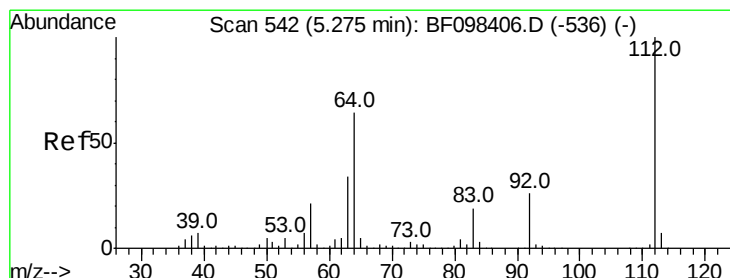
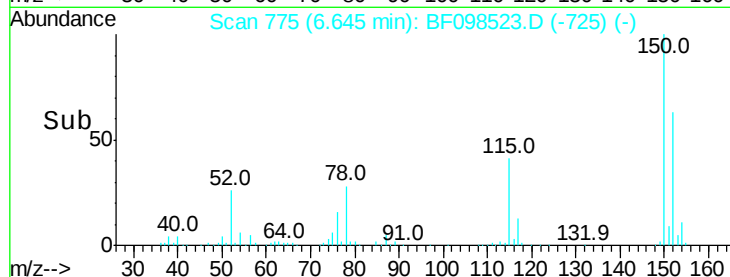
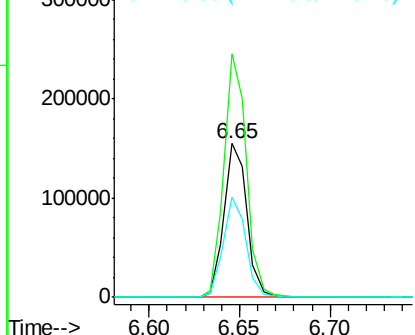
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.01 min
Lab File: BF098523.D
Acq: 14 Sep 2017 12:26

Instrument :
BNA_F
ClientSampleId :
A4129

Tot Ion:152 Resp: 136514
Ion Ratio Lower Upper
152 100
150 158.2 126.2 189.2
115 65.4 52.2 78.2



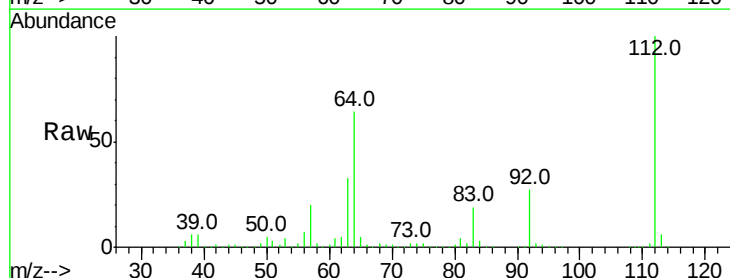
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



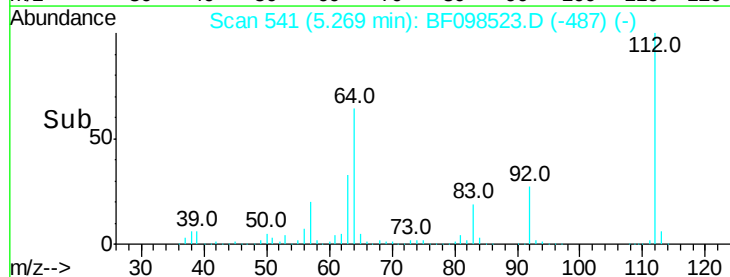
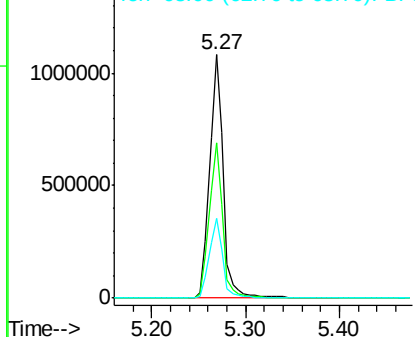
#5

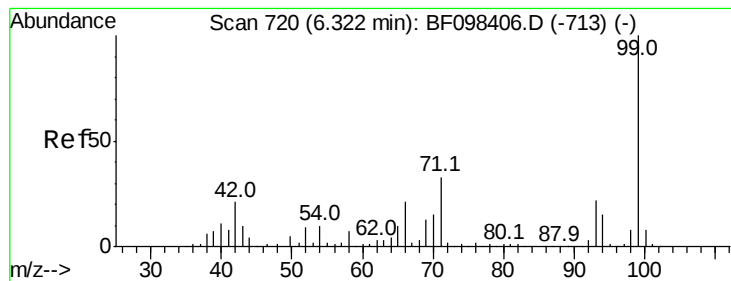
2-Fluorophenol
Concen: 120.351 ng
RT: 5.27 min Scan# 541
Delta R.T. 0.02 min
Lab File: BF098523.D
Acq: 14 Sep 2017 12:26

Tgt Ion:112 Resp: 1111214
Ion Ratio Lower Upper
112 100
64 63.9 46.0 69.0
63 32.9 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: 107.404 ng

RT: 6.30 min Scan# 717

Delta R.T. 0.00 min

Lab File: BF098523.D

Acq: 14 Sep 2017 12:26

Instrument :

BNA_F

ClientSampleId :

A4129

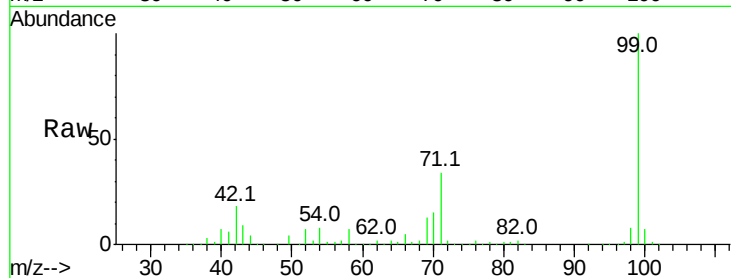
Tot Ion: 99 Resp: 1259099

Ion Ratio Lower Upper

99 100

42 18.1 13.5 20.3

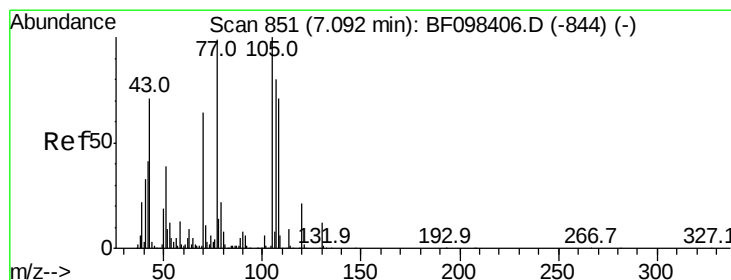
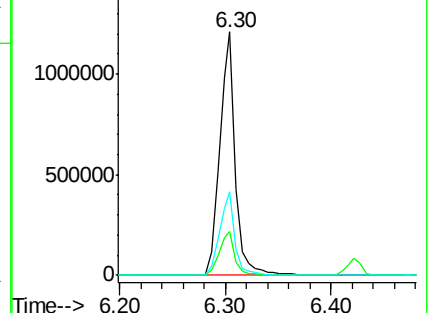
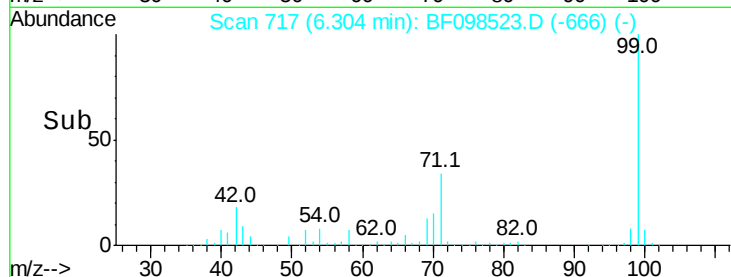
71 34.5 24.5 36.7



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: 16.002 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.14 min

Lab File: BF098523.D

Acq: 14 Sep 2017 12:26

Tgt Ion: 70 Resp: 118000

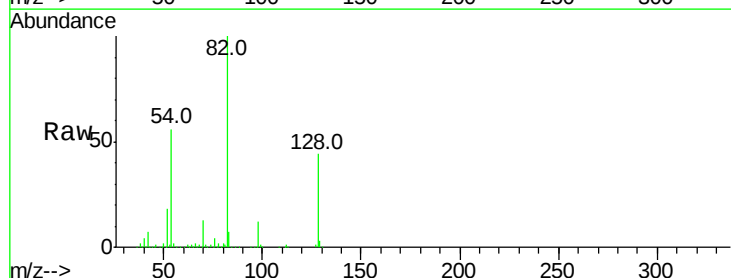
Ion Ratio Lower Upper

70 100

42 51.1 47.2 70.8

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

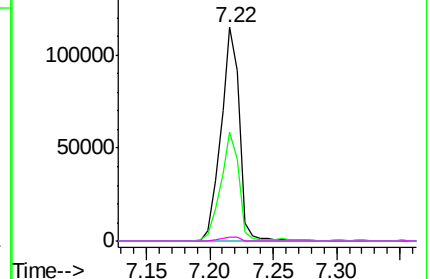
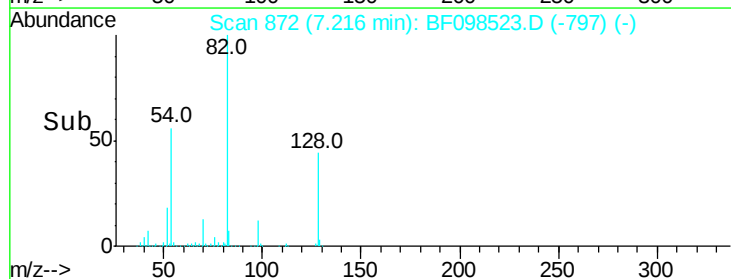


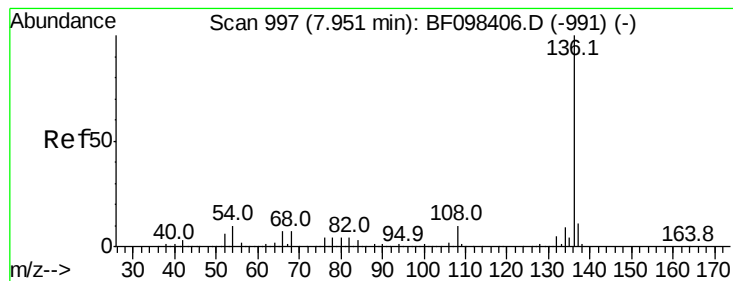
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.93 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF098523.D

Acq: 14 Sep 2017 12:26

Instrument :

BNA_F

ClientSampleId :

A4129

Tot Ion:136 Resp: 564701

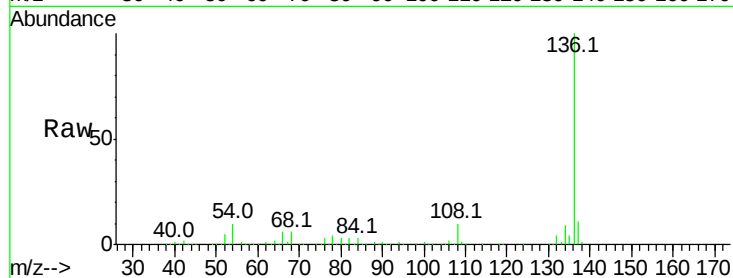
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 9.6 4.9 7.3#

68 6.3 4.1 6.1#

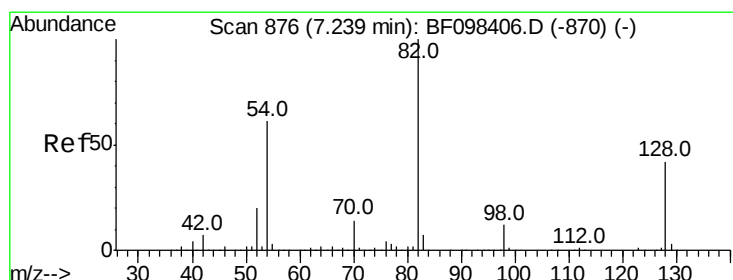
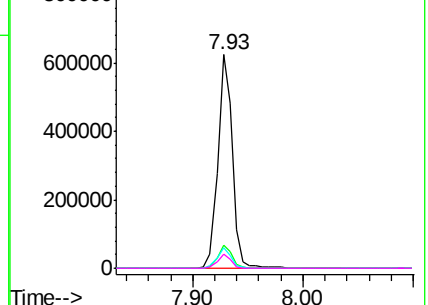
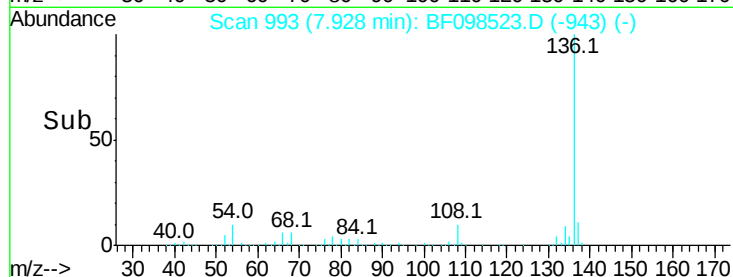


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.079 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.01 min

Lab File: BF098523.D

Acq: 14 Sep 2017 12:26

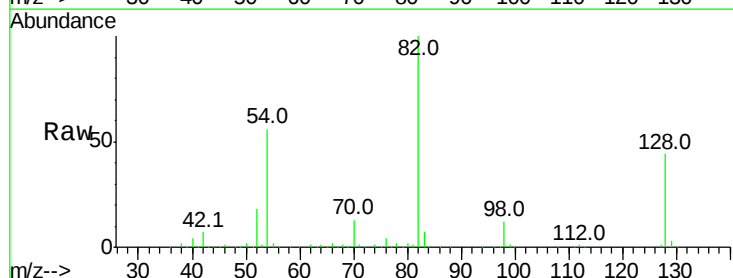
Tgt Ion: 82 Resp: 902300

Ion Ratio Lower Upper

82 100

128 43.8 34.0 51.0

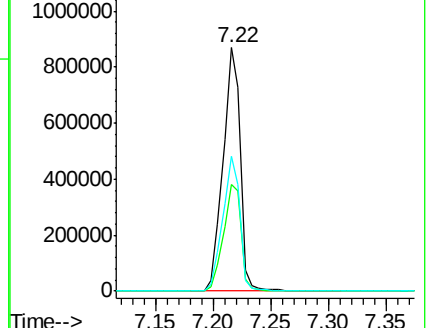
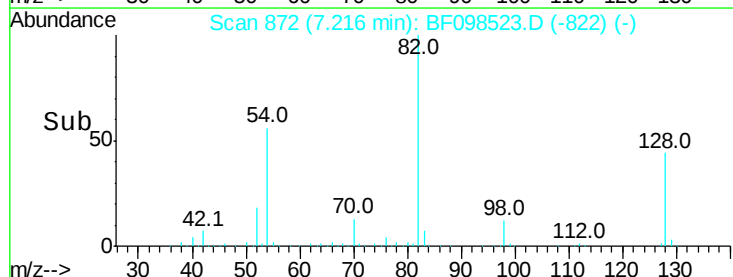
54 55.6 42.2 63.2

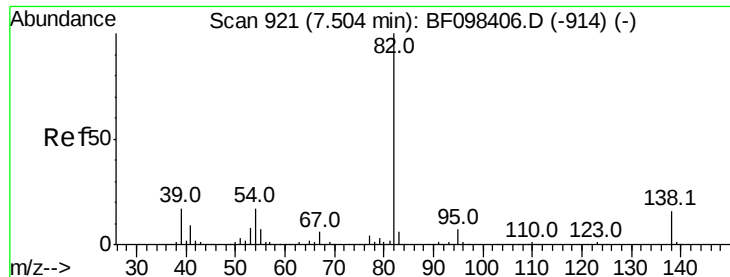


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 43.628 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.27 min

Lab File: BF098523.D

Acq: 14 Sep 2017 12:26

Instrument :

BNA_F

ClientSampleId :

A4129

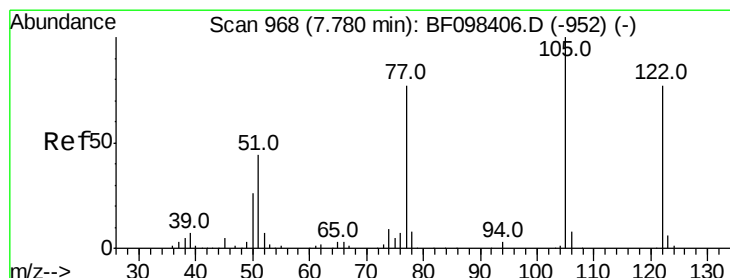
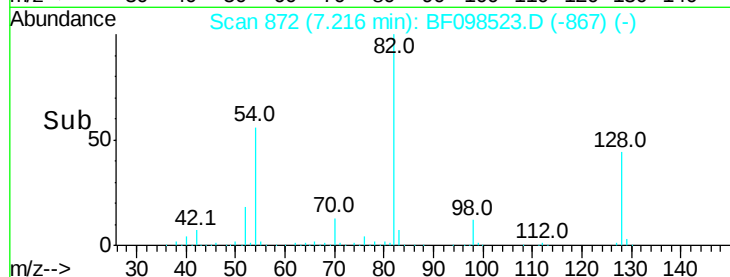
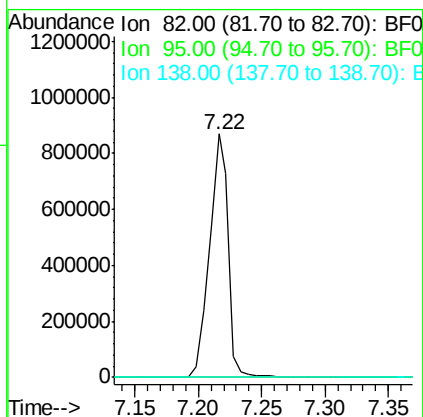
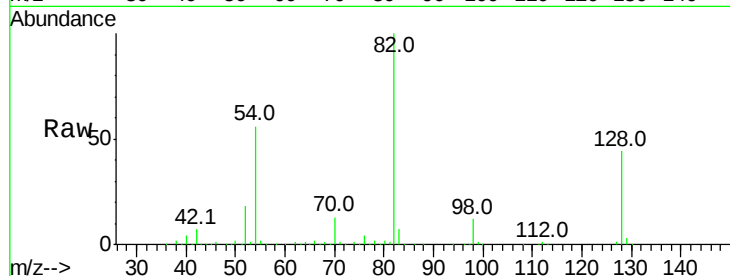
Tot Ion: 82 Resp: 894123

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#32

Benzoic acid

Concen: 8.022 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.04 min

Lab File: BF098523.D

Acq: 14 Sep 2017 12:26

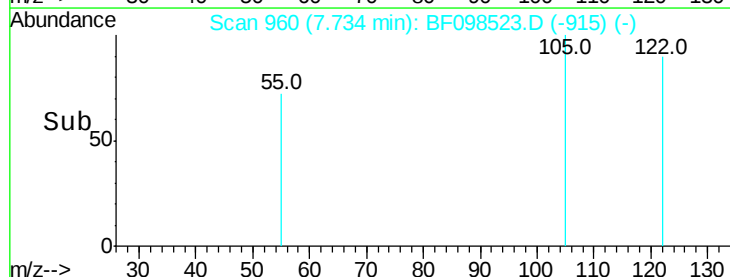
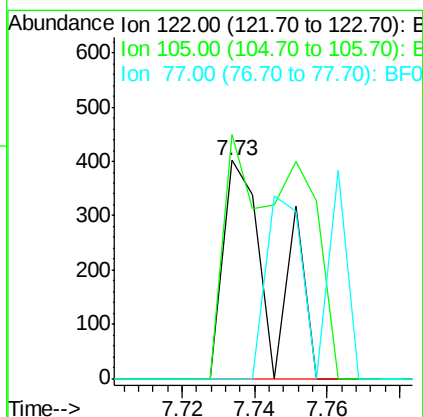
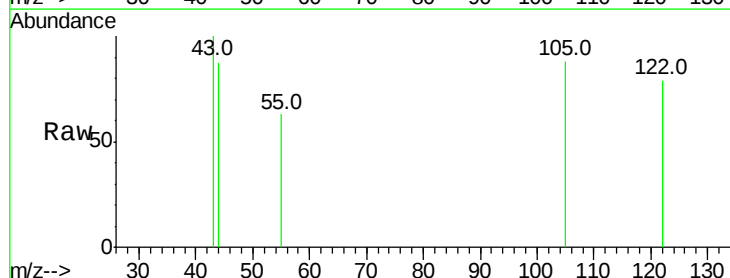
Tgt Ion:122 Resp: 373

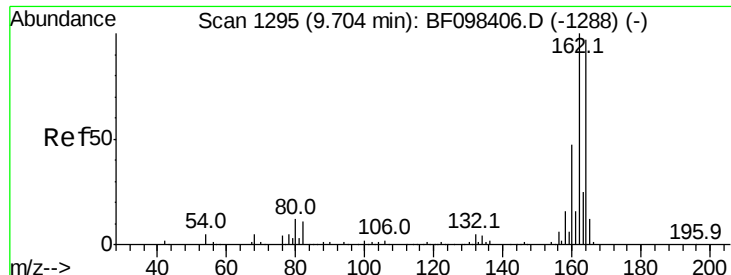
Ion Ratio Lower Upper

122 100

105 111.7 103.3 143.3

77 0.0 73.7 113.7#

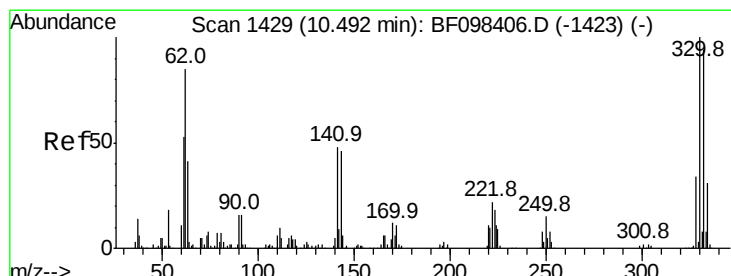
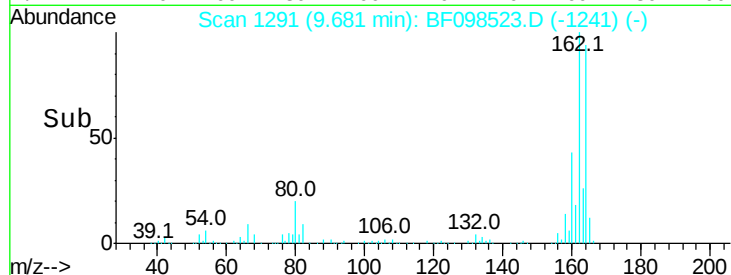
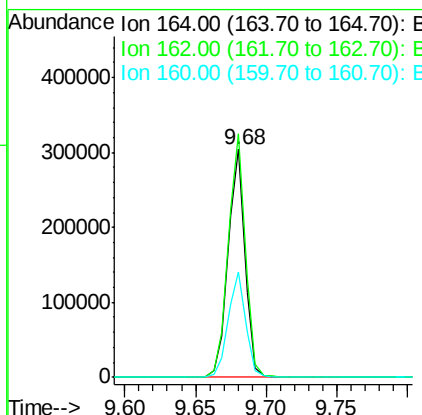
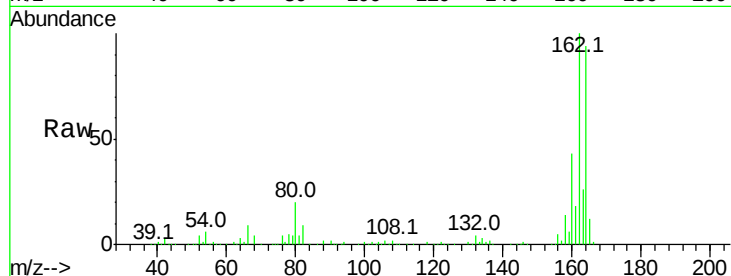




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: BF098523.D
 Acq: 14 Sep 2017 12:26

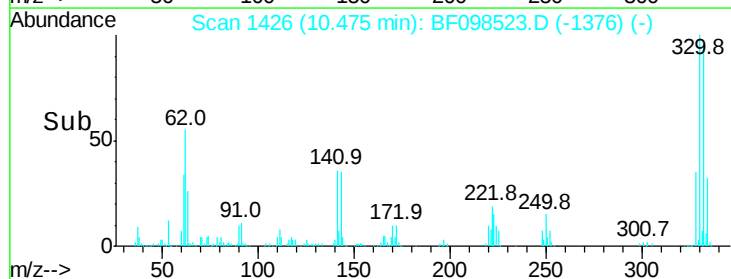
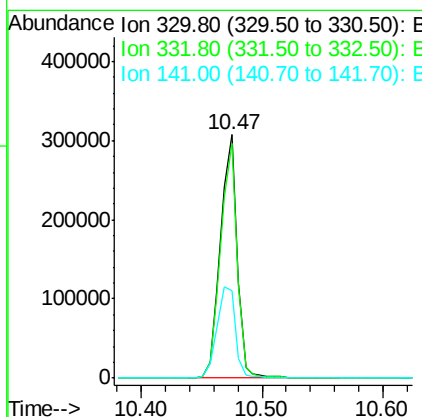
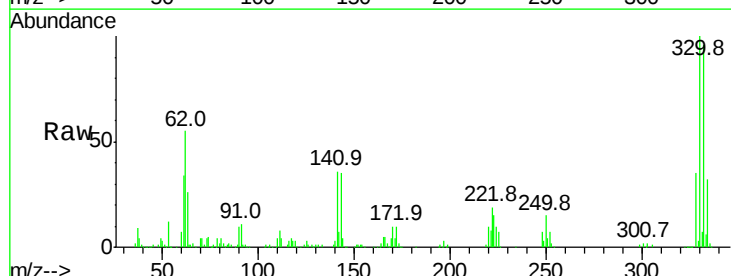
Instrument :
 BNA_F
 ClientSampled :
 A4129

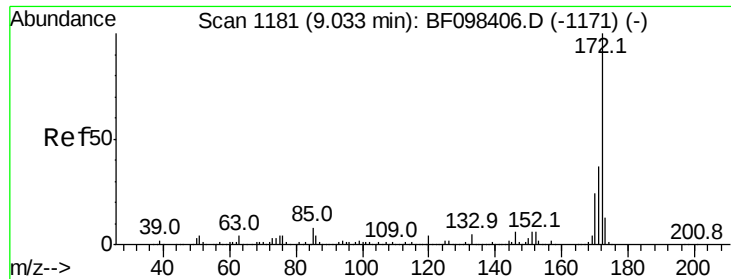
Tot Ion	Ratio	Lower	Upper
164	100		
162	106.9	82.6	123.8
160	46.4	36.2	54.2



#41
 2,4,6-Tribromophenol
 Concen: 174.400 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.01 min
 Lab File: BF098523.D
 Acq: 14 Sep 2017 12:26

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.6	115.0
141	41.3	31.4	47.2

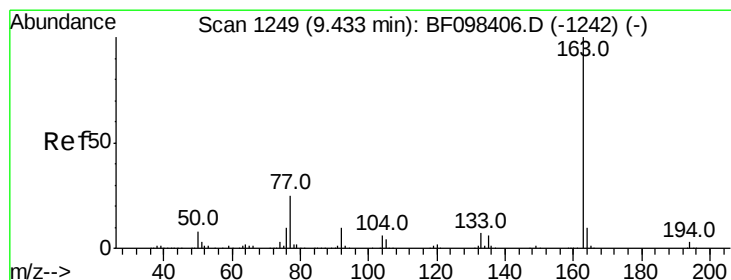
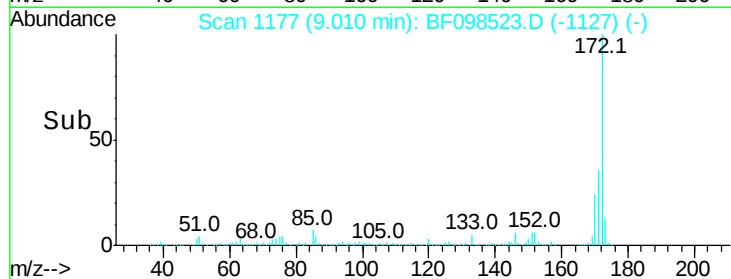
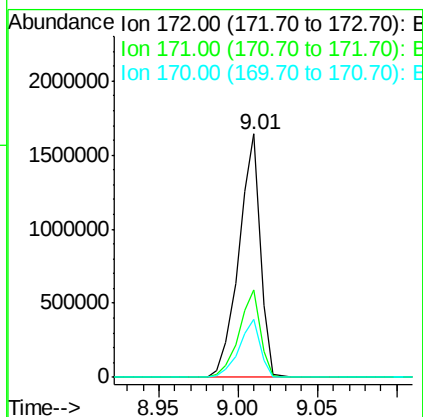
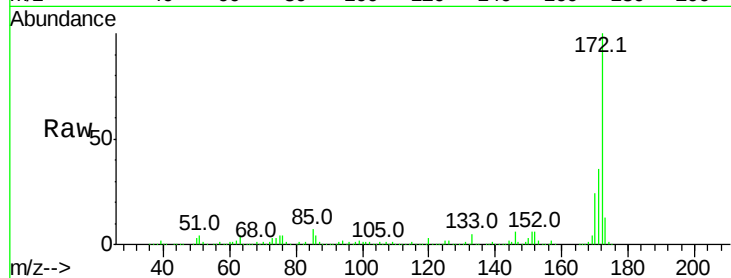




#44
2-Fluorobiphenyl
Concen: 102.899 ng
RT: 9.01 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BF098523.D
Acq: 14 Sep 2017 12:26

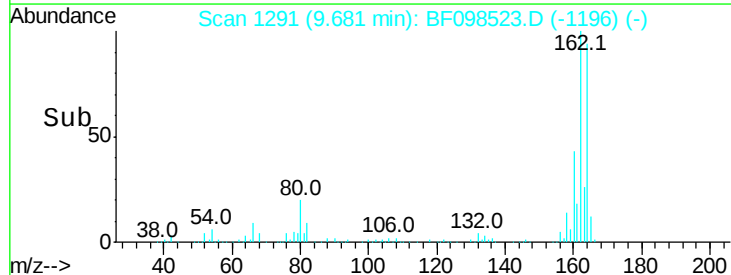
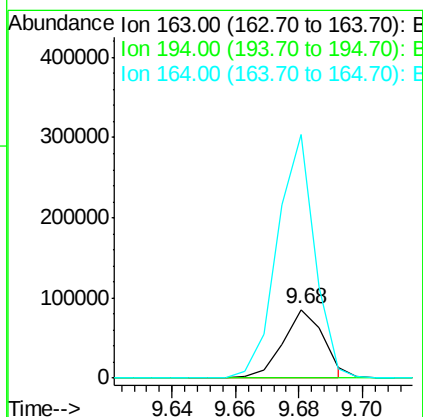
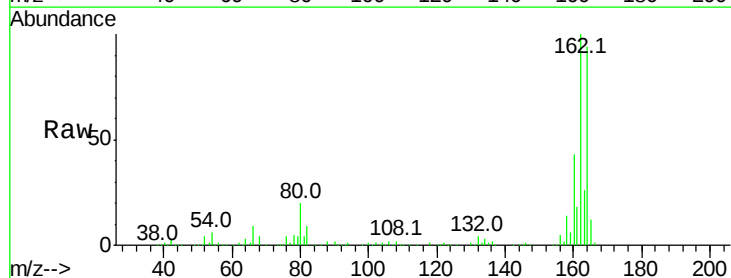
Instrument :
BNA_F
ClientSampleId :
A4129

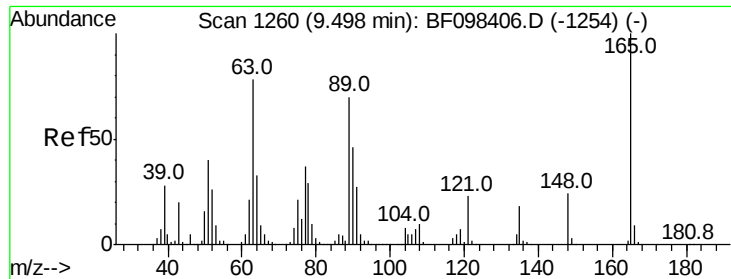
Tot Ion:172 Resp: 1536324
Ion Ratio Lower Upper
172 100
171 35.7 29.6 44.4
170 23.7 19.8 29.8



#49
Dimethylphthalate
Concen: 3.889 ng
RT: 9.68 min Scan# 1291
Delta R.T. 0.26 min
Lab File: BF098523.D
Acq: 14 Sep 2017 12:26

Tgt Ion:163 Resp: 76178
Ion Ratio Lower Upper
163 100
194 0.0 2.6 4.0#
164 356.5 8.4 12.6#





#50

2,6-Dinitrotoluene

Concen: 8.234 ng

RT: 9.68 min Scan# 1291

Delta R.T. 0.19 min

Lab File: BF098523.D

Acq: 14 Sep 2017 12:26

Instrument :

BNA_F

ClientSampleId :

A4129

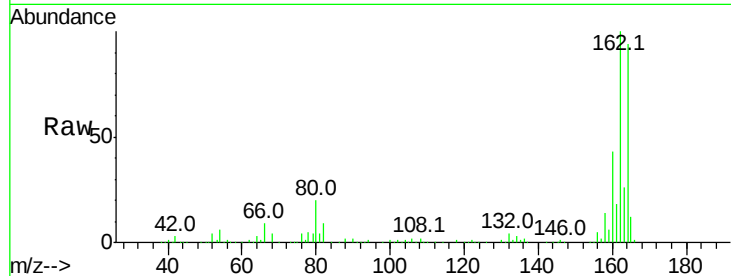
Tot Ion:165 Resp: 33131

Ion Ratio Lower Upper

165 100

63 2.4 34.3 51.5#

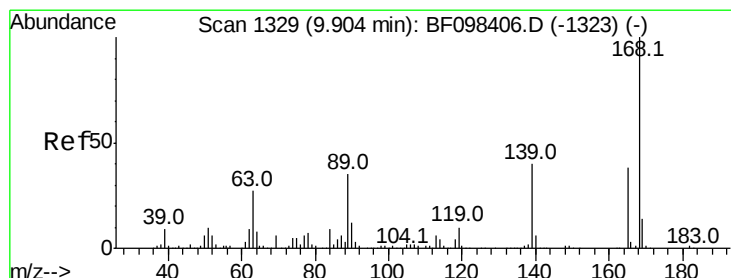
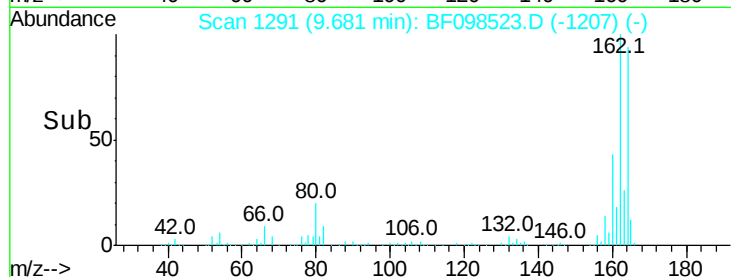
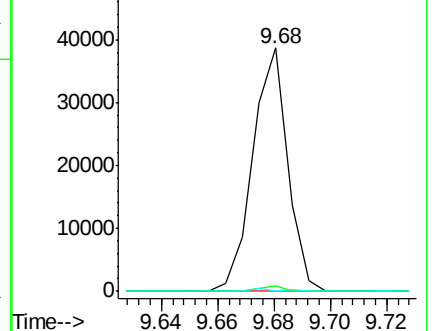
89 0.0 37.1 55.7#



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: 6.773 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.21 min

Lab File: BF098523.D

Acq: 14 Sep 2017 12:26

Tgt Ion:165 Resp: 33131

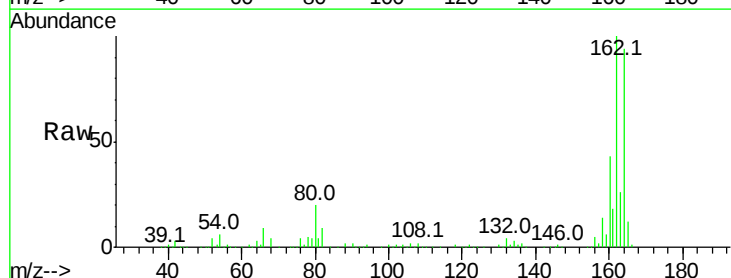
Ion Ratio Lower Upper

165 100

63 2.4 25.4 38.0#

89 0.0 46.4 69.6#

182 0.0 1.8 2.6#

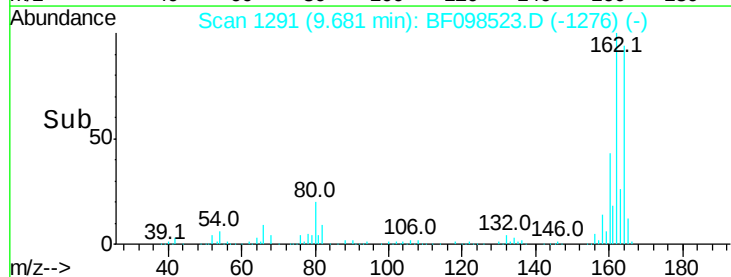
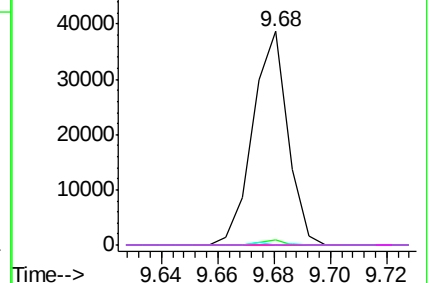


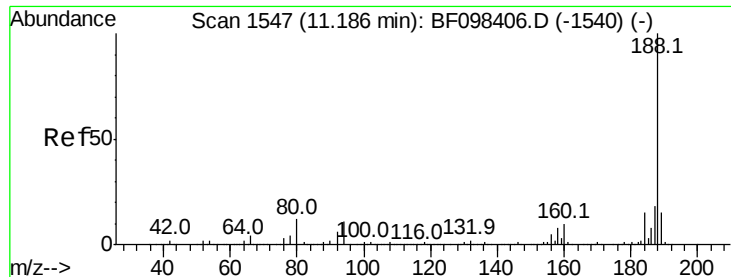
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.16 min Scan# 1543

Delta R.T. -0.01 min

Lab File: BF098523.D

Acq: 14 Sep 2017 12:26

Instrument :

BNA_F

ClientSampleId :

A4129

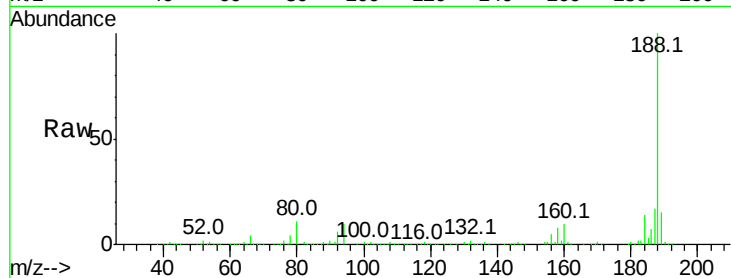
Tot Ion:188 Resp: 464312

Ion Ratio Lower Upper

188 100

94 9.9 9.4 14.2

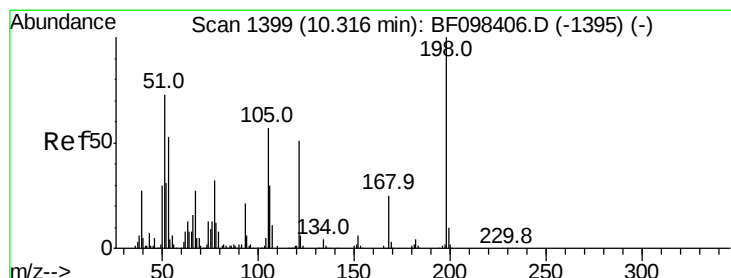
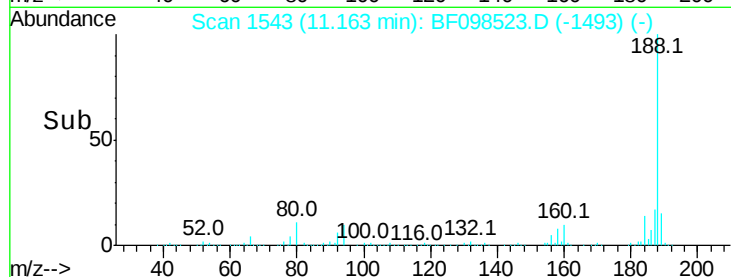
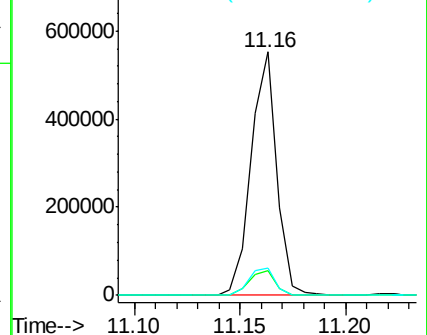
80 11.0 10.2 15.2



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: 5.144 ng

RT: 10.47 min Scan# 1426

Delta R.T. 0.17 min

Lab File: BF098523.D

Acq: 14 Sep 2017 12:26

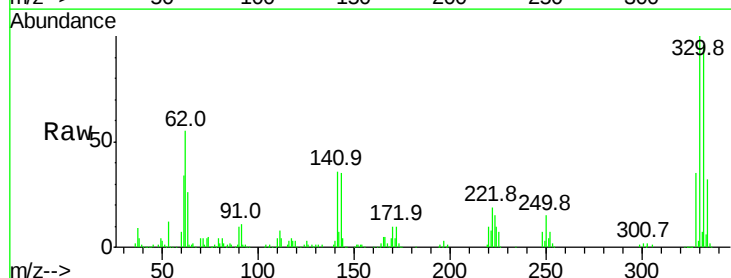
Tgt Ion:198 Resp: 572

Ion Ratio Lower Upper

198 100

51 221.1 53.2 93.2#

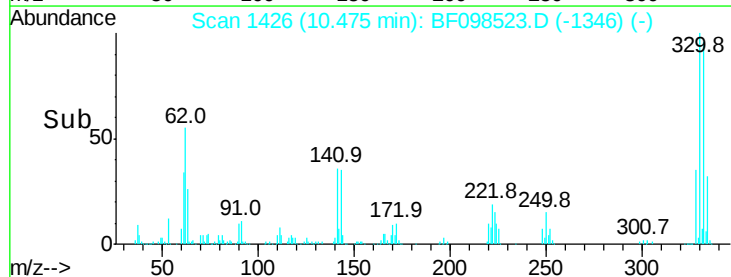
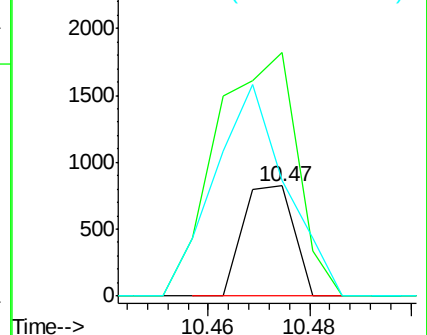
105 104.7 45.8 85.8#

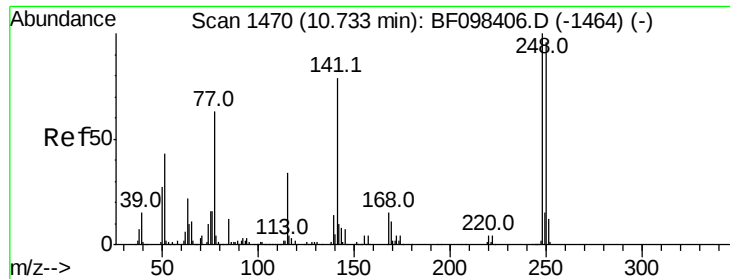


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

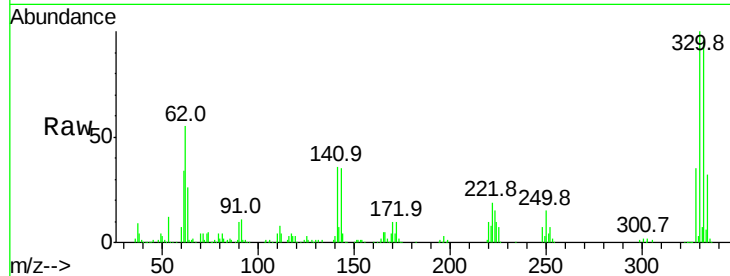




#66
4-Bromophenyl-phenylether
Concen: 4.984 ng
RT: 10.47 min Scan# 1426
Delta R.T. -0.24 min
Lab File: BF098523.D
Acq: 14 Sep 2017 12:26

Instrument :
BNA_F
ClientSampleId :
A4129

Tot Ion	Ion	Ratio	Lower	Upper
248	100			
250	203.2	76.8	115.2#	
141	498.3	68.6	103.0#	

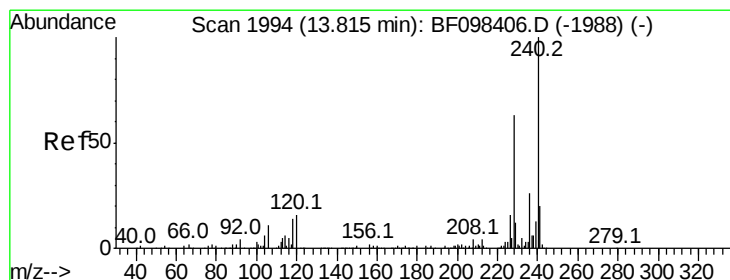
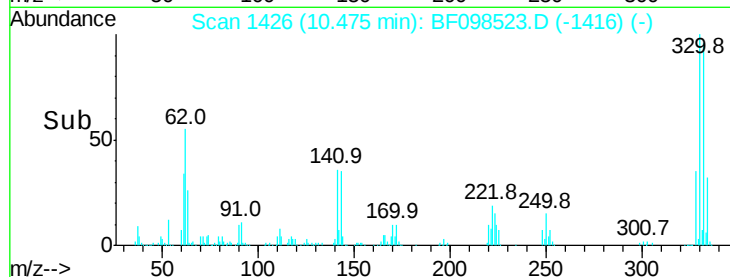
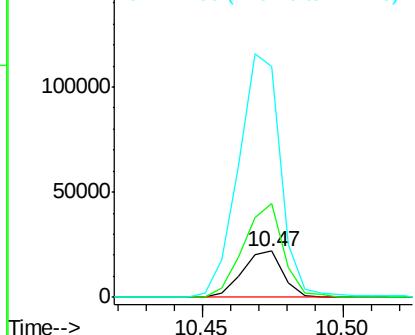


Abundance

Ion 248.00 (247.70 to 248.70): E

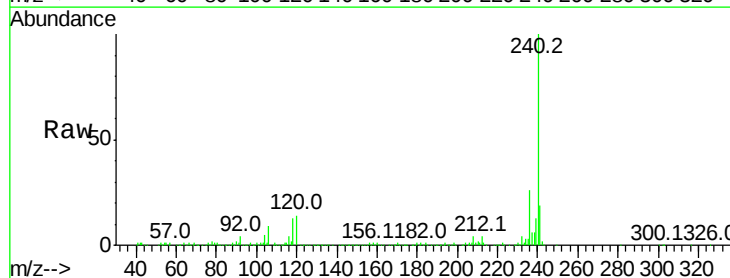
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.79 min Scan# 1990
Delta R.T. -0.01 min
Lab File: BF098523.D
Acq: 14 Sep 2017 12:26

Tgt Ion	Ion	Ratio	Lower	Upper
240	100			
120	13.5	5.8	8.8#	
236	26.0	20.5	30.7	

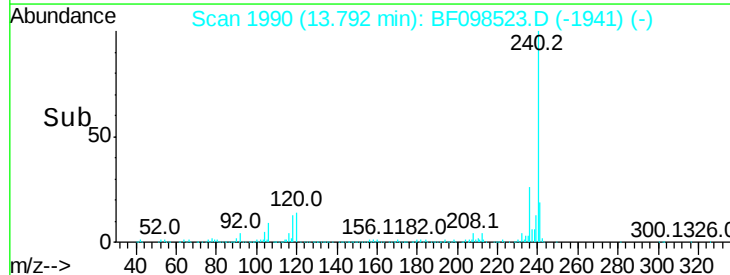
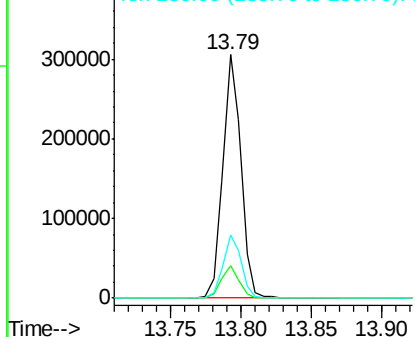


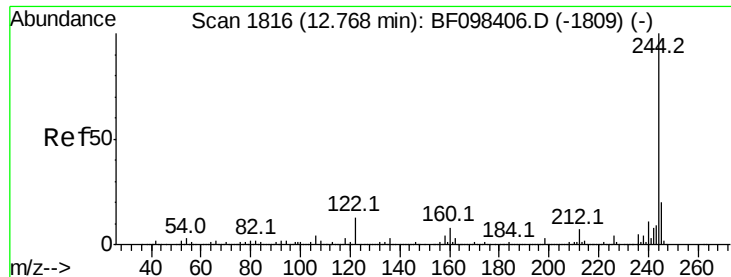
Abundance

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: 98.840 ng

RT: 12.75 min Scan# 1813

Delta R.T. 0.00 min

Lab File: BF098523.D

Acq: 14 Sep 2017 12:26

Instrument :

BNA_F

ClientSampleId :

A4129

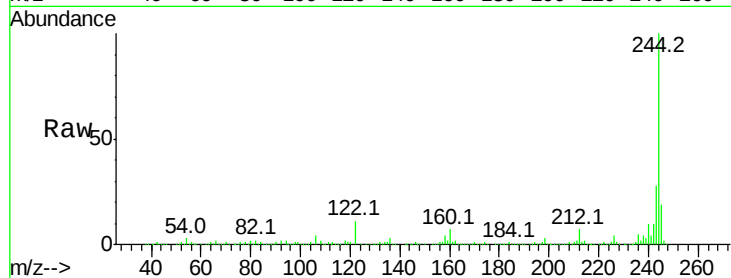
Tot Ion:244 Resp: 1252107

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

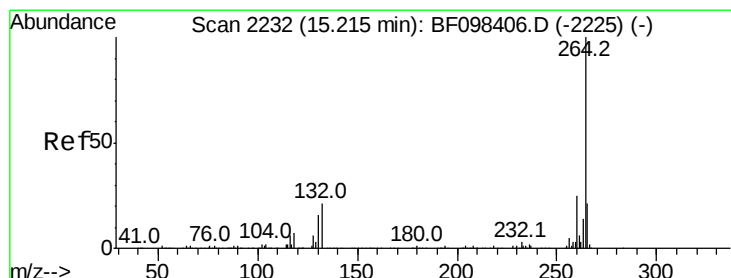
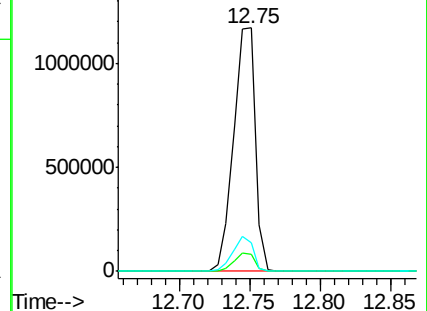
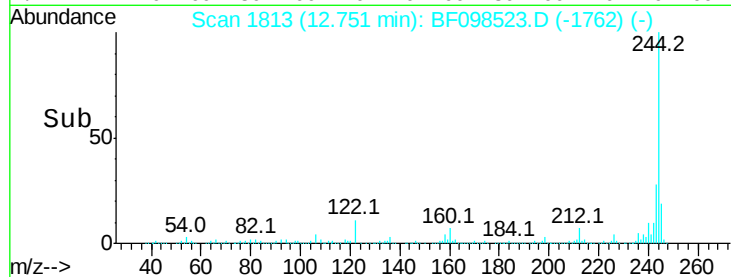
122 11.5 10.3 15.5



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

Perylene-d12

Concen: 20.000 ng

RT: 15.19 min Scan# 2228

Delta R.T. -0.01 min

Lab File: BF098523.D

Acq: 14 Sep 2017 12:26

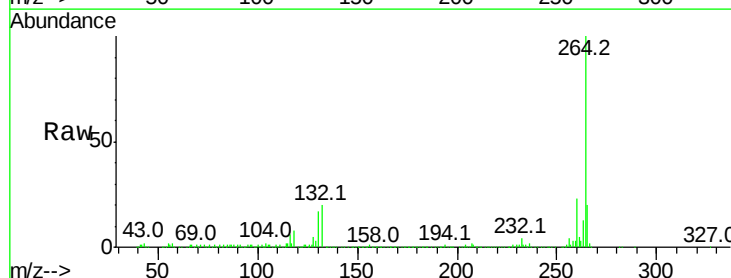
Tgt Ion:264 Resp: 289607

Ion Ratio Lower Upper

264 100

260 23.5 19.5 29.3

265 20.4 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

