

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100617\
 Data File : BF099176.D
 Acq On : 7 Oct 2017 5:11
 Operator : SJ/JU
 Sample : I5542-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 07 06:33:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

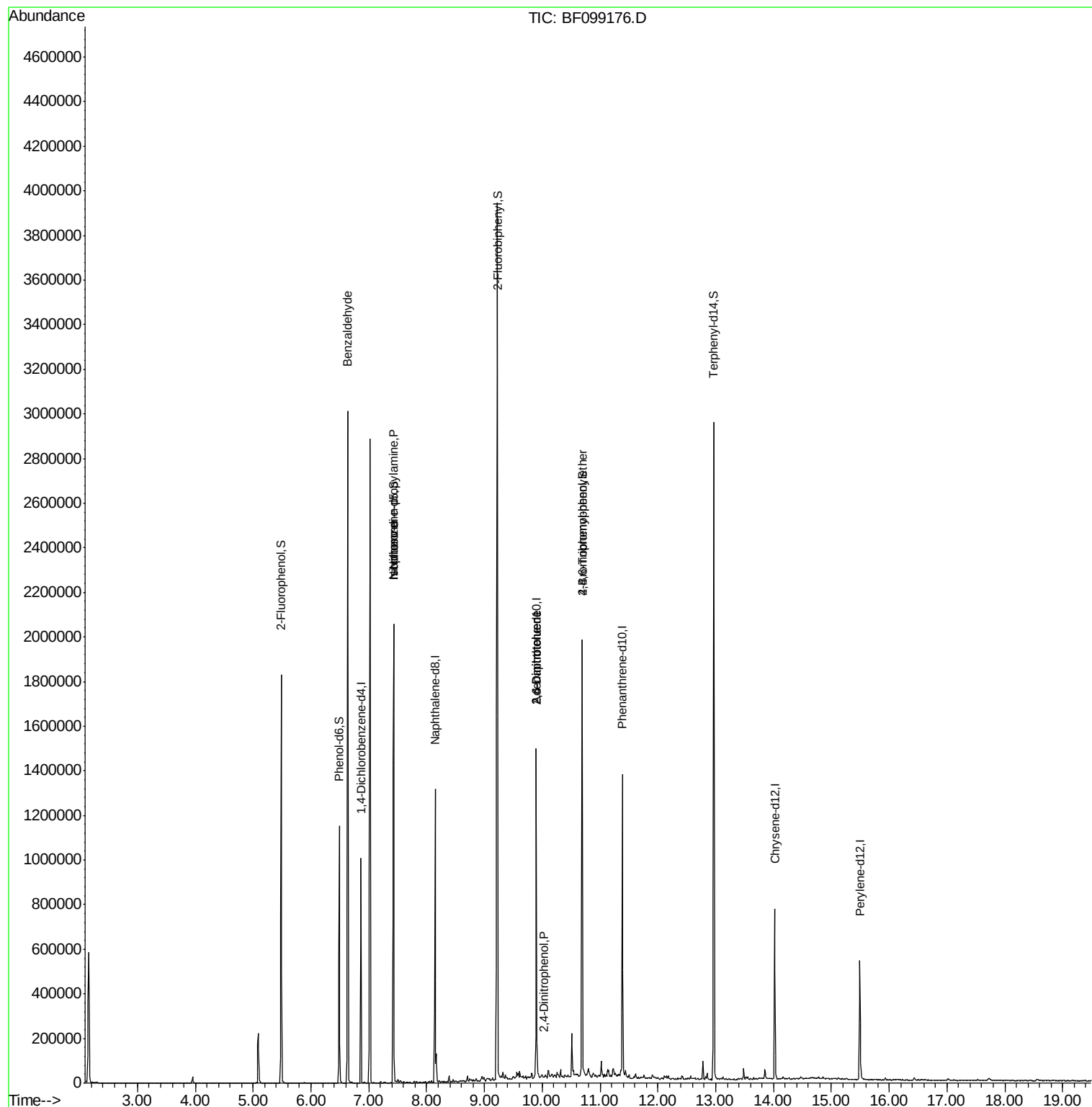
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	140232	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	577375	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	263882	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	440341	20.00	ng	0.00
75) Chrysene-d12	14.02	240	231021	20.00	ng	-0.01
86) Perylene-d12	15.49	264	230442	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	538900	61.18	ng	0.00
7) Phenol-d6	6.49	99	414658	38.16	ng	0.00
23) Nitrobenzene-d5	7.43	82	771442	85.69	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	254728	117.97	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1351649	85.51	ng	0.00
78) Terphenyl-d14	12.97	244	1004784	98.91	ng	0.00
Target Compounds						
9) Benzaldehyde	6.63	77	17495	2.78	ng	Qvalue 84
19) n-Nitroso-di-n-propylamine	7.43	70	100294	14.46	ng	# 75
25) Isophorone	7.43	82	769205	41.32	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	33294	7.68	ng	# 26
53) 2,4-Dinitrophenol	10.04	184	116	5.88	ng	# 16
56) 2,4-Dinitrotoluene	9.90	165	33294	5.92	ng	# 24
66) 4-Bromophenyl-phenylether	10.69	248	16826	3.90	ng	# 1

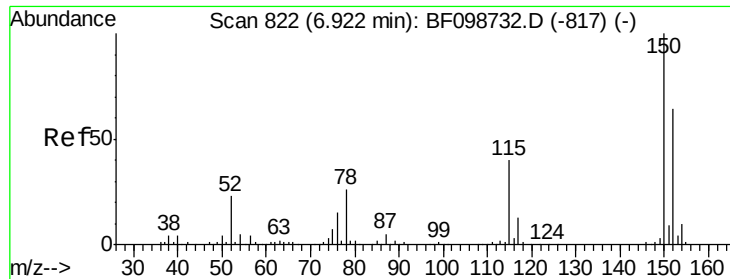
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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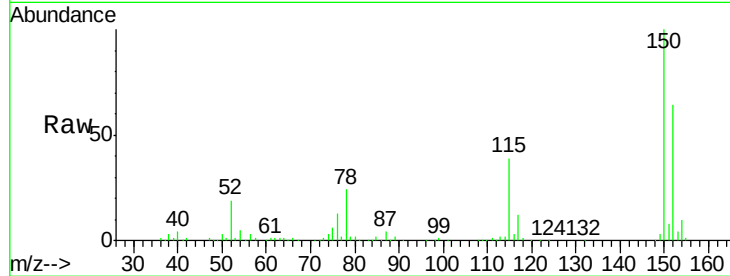


#1

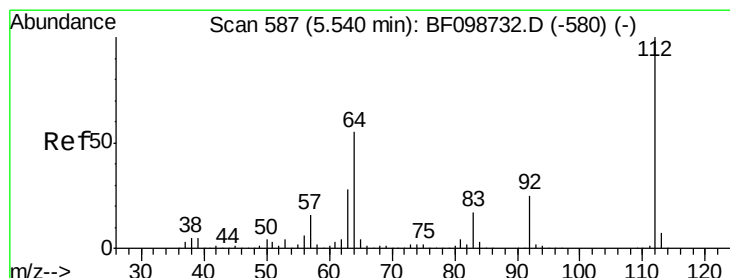
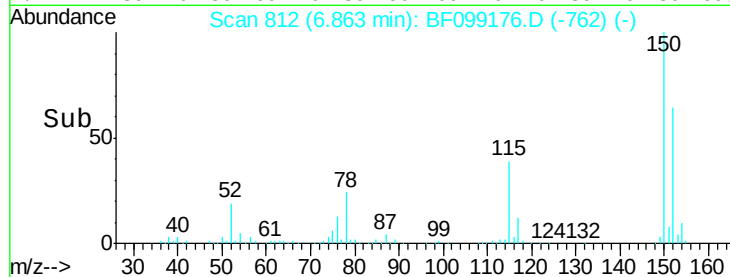
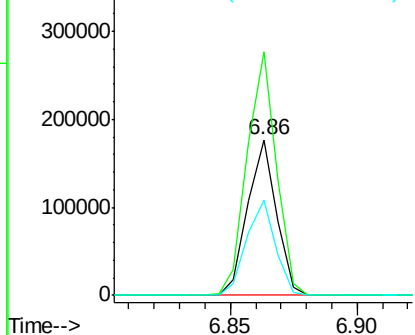
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099176.D
Acq: 7 Oct 2017 5:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 140232
Ion Ratio Lower Upper
152 100
150 156.2 124.6 186.8
115 61.4 50.1 75.1



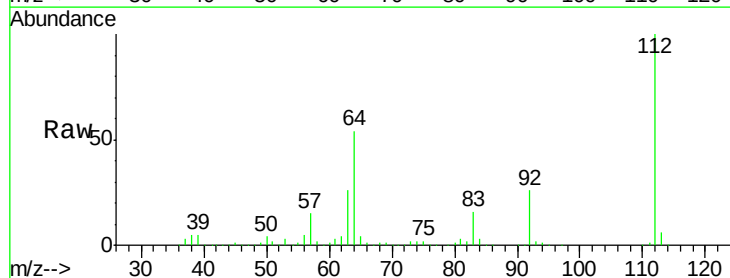
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



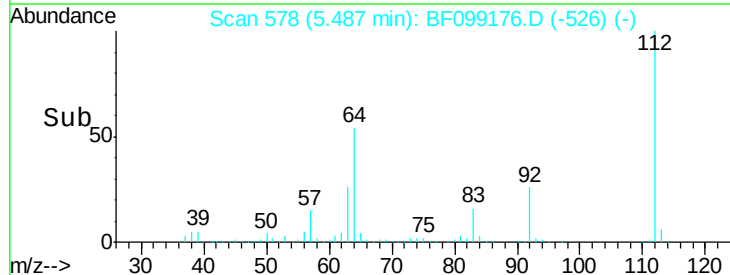
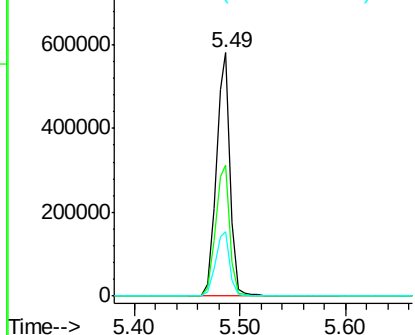
#5

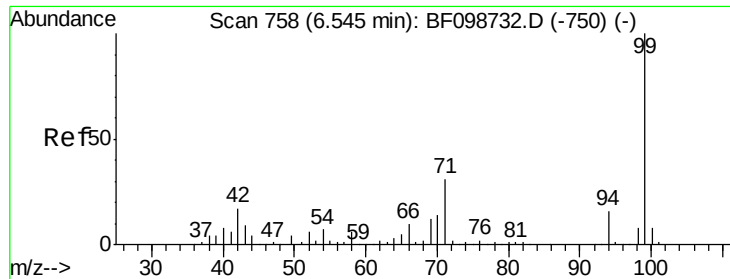
2-Fluorophenol
Concen: 61.18 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF099176.D
Acq: 7 Oct 2017 5:11

Tgt Ion:112 Resp: 538900
Ion Ratio Lower Upper
112 100
64 54.0 47.9 71.9
63 26.2 23.7 35.5



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: 38.16 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099176.D

Acq: 7 Oct 2017 5:11

Instrument :

BNA_F

ClientSampleId :

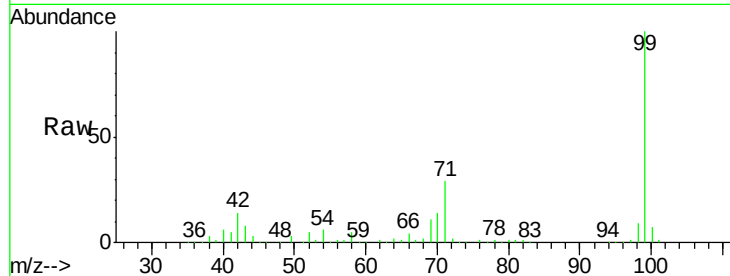
Tot Ion: 99 Resp: 414658

Ion Ratio Lower Upper

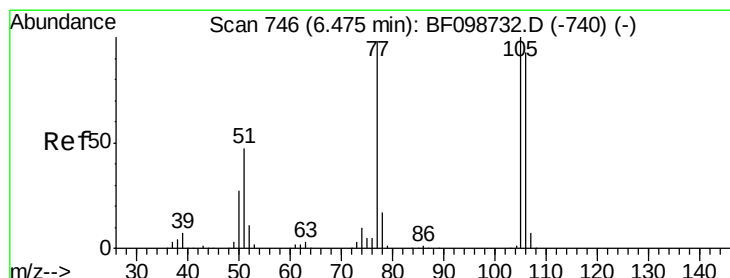
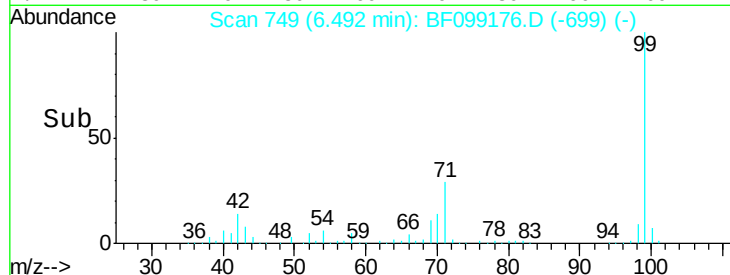
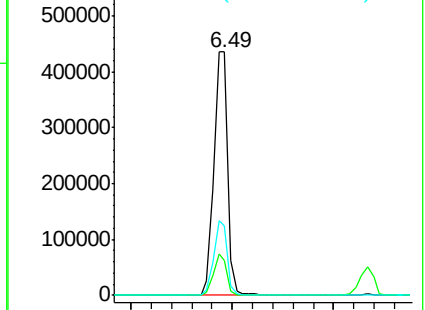
99 100

42 14.5 14.5 21.7

71 28.7 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.78 ng

RT: 6.63 min Scan# 773

Delta R.T. 0.21 min

Lab File: BF099176.D

Acq: 7 Oct 2017 5:11

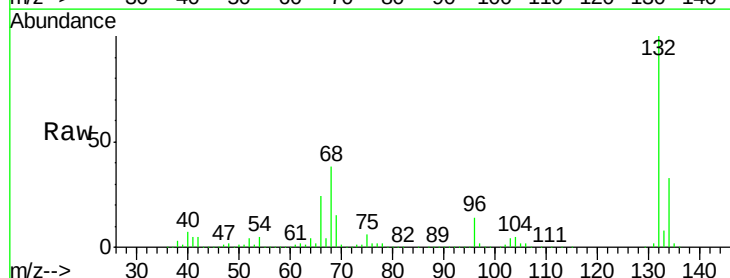
Tgt Ion: 77 Resp: 17495

Ion Ratio Lower Upper

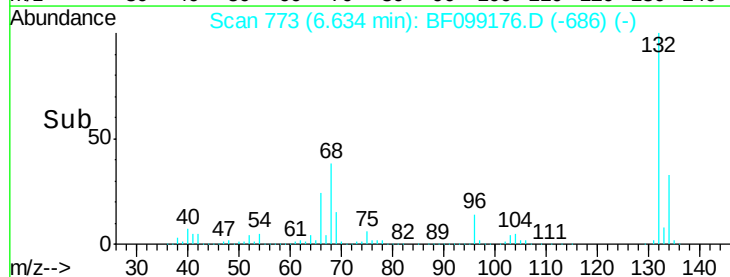
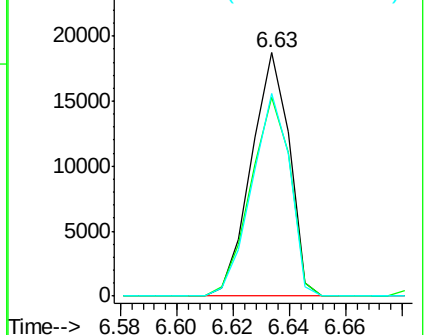
77 100

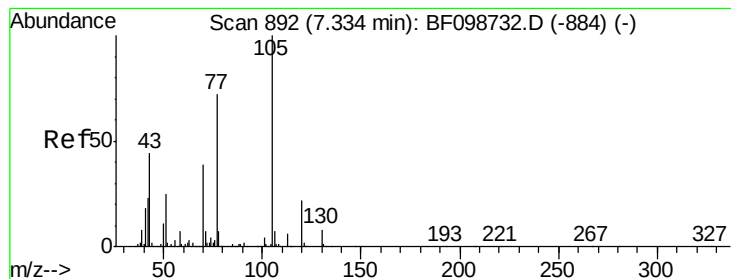
105 81.6 81.1 121.1

106 83.2 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 14.46 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF099176.D

Acq: 7 Oct 2017 5:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 100294

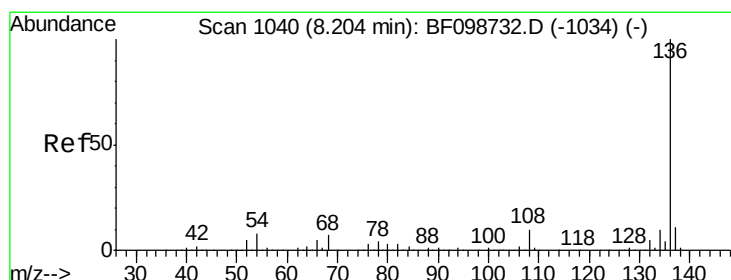
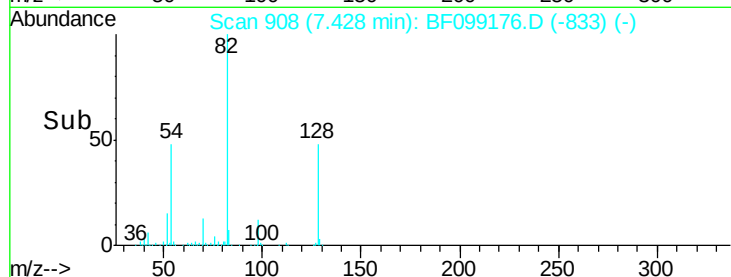
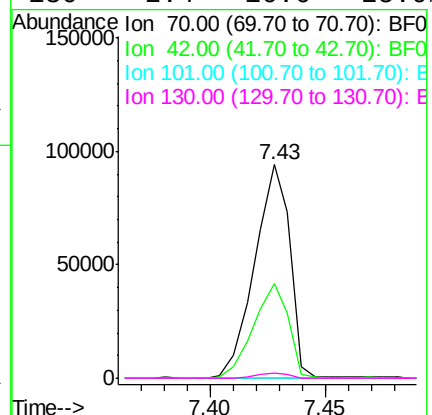
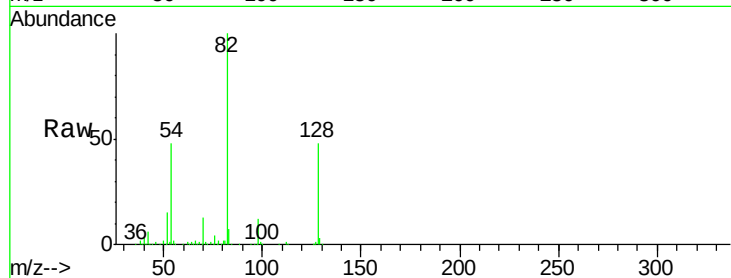
Ion Ratio Lower Upper

70 100

42 44.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF099176.D

Acq: 7 Oct 2017 5:11

Tgt Ion: 136 Resp: 577375

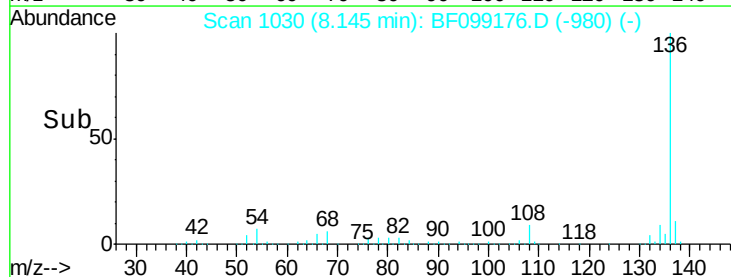
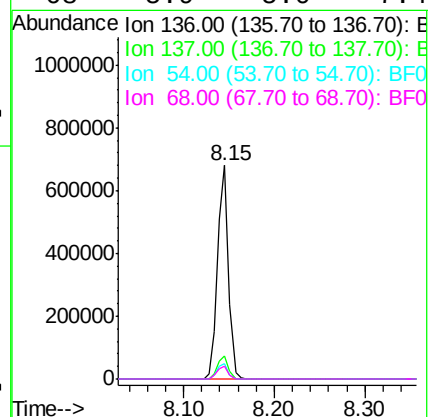
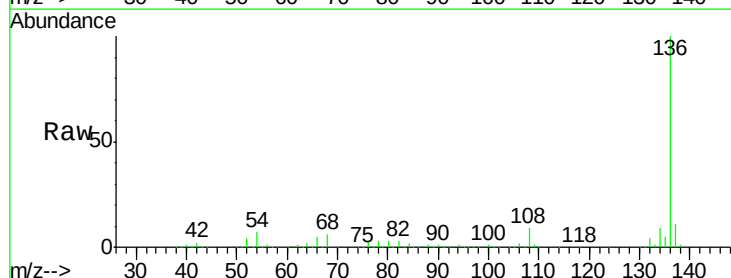
Ion Ratio Lower Upper

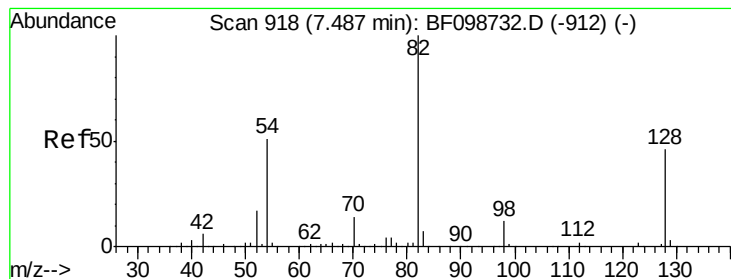
136 100

137 10.8 8.9 13.3

54 7.2 6.6 9.8

68 5.9 5.0 7.4





#23

Nitrobenzene-d5

Concen: 85.69 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF099176.D

Acq: 7 Oct 2017 5:11

Instrument :

BNA_F

ClientSampleId :

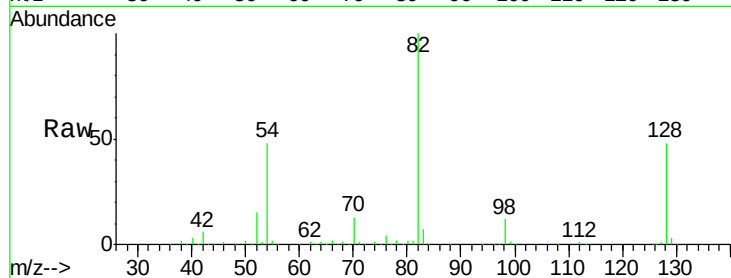
Tot Ion: 82 Resp: 771442

Ion Ratio Lower Upper

82 100

128 47.7 36.1 54.1

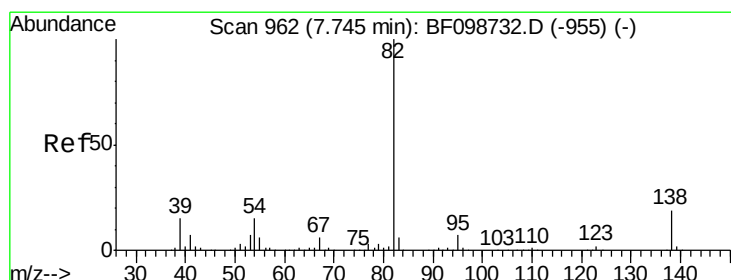
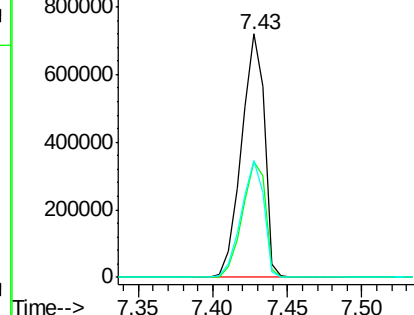
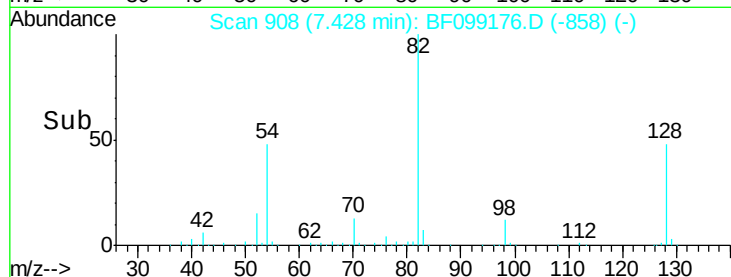
54 48.2 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 41.32 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.26 min

Lab File: BF099176.D

Acq: 7 Oct 2017 5:11

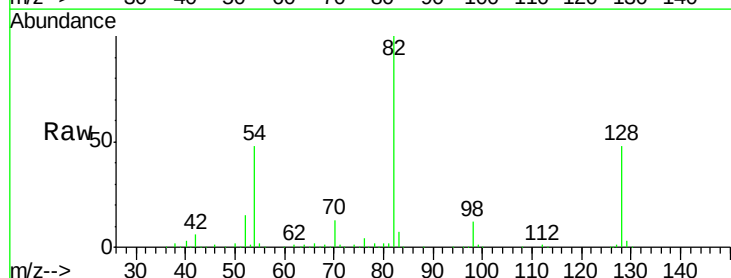
Tgt Ion: 82 Resp: 769205

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

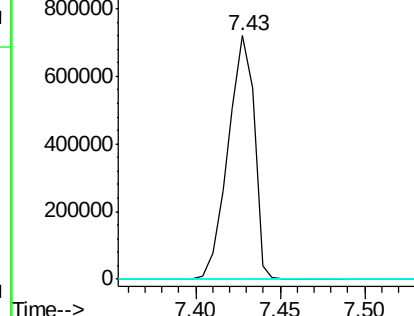
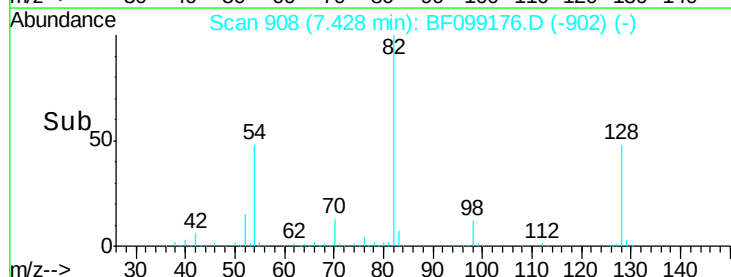
138 0.0 14.9 22.3#

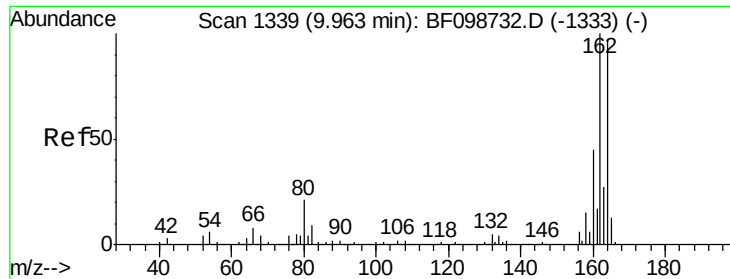


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

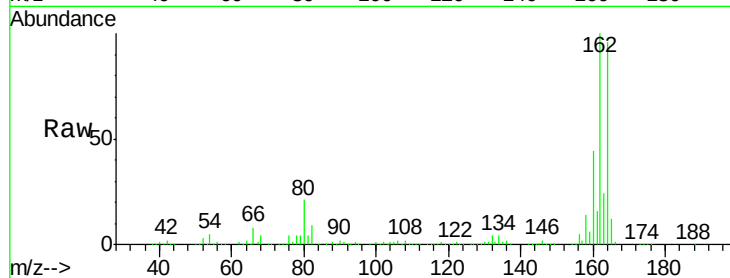




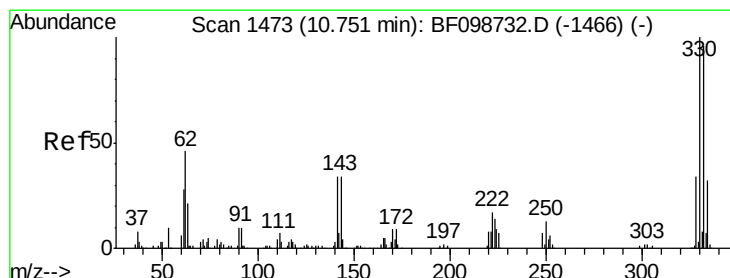
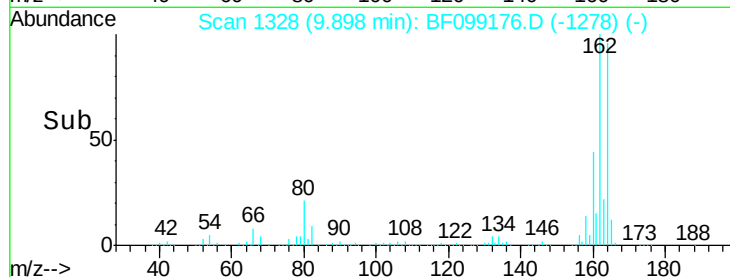
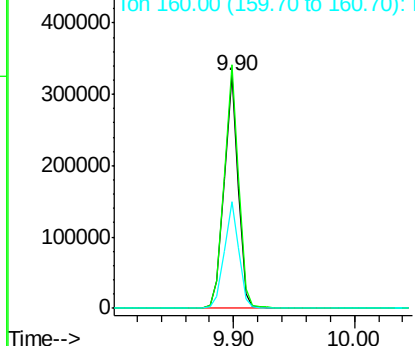
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF099176.D
 Acq: 7 Oct 2017 5:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 263882
 Ion Ratio Lower Upper
 164 100
 162 104.5 86.1 129.1
 160 45.9 38.3 57.5

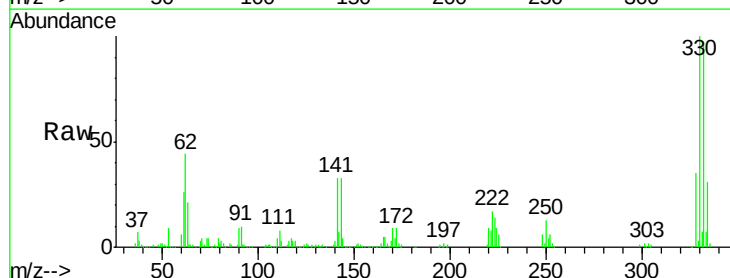


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

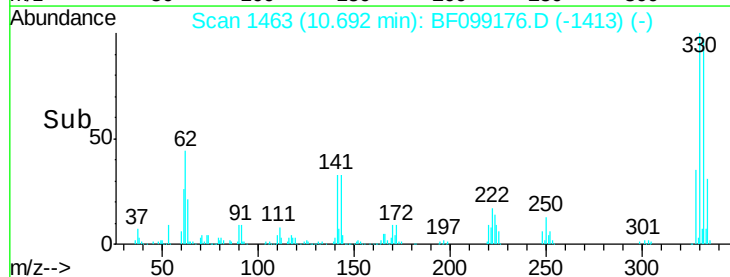
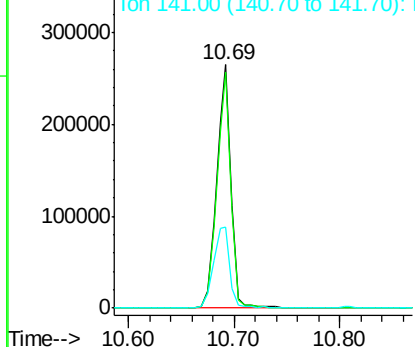


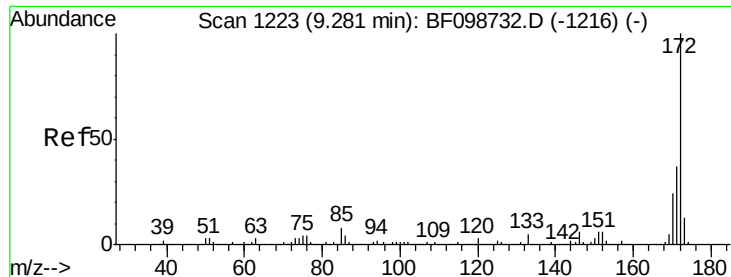
#41
 2,4,6-Tribromophenol
 Concen: 117.97 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF099176.D
 Acq: 7 Oct 2017 5:11

Tgt Ion:330 Resp: 254728
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 39.1 29.9 44.9



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

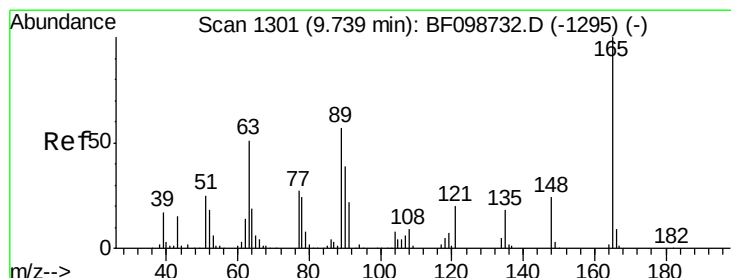
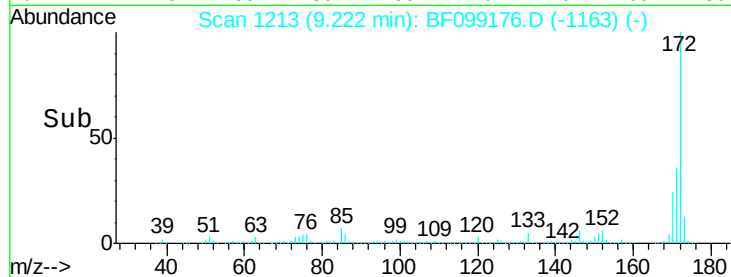
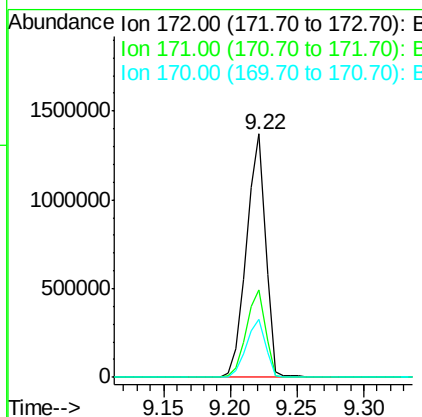
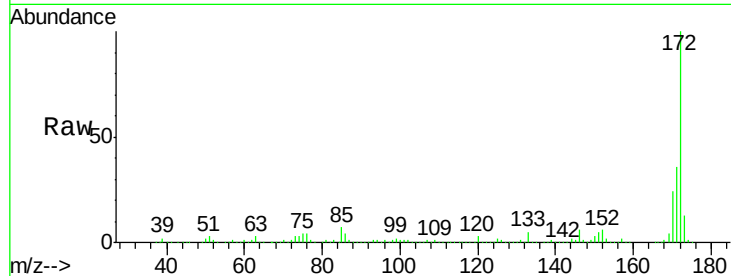




#44
 2-Fluorobiphenyl
 Concen: 85.51 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF099176.D
 Acq: 7 Oct 2017 5:11

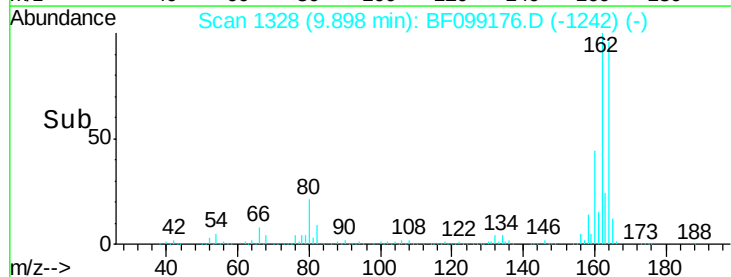
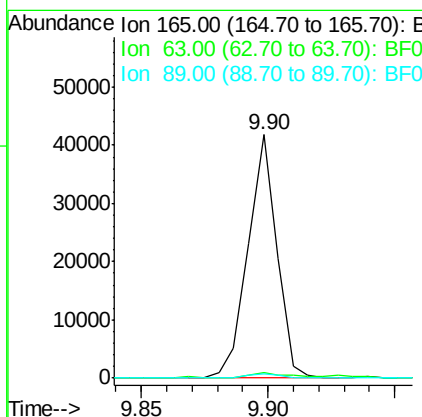
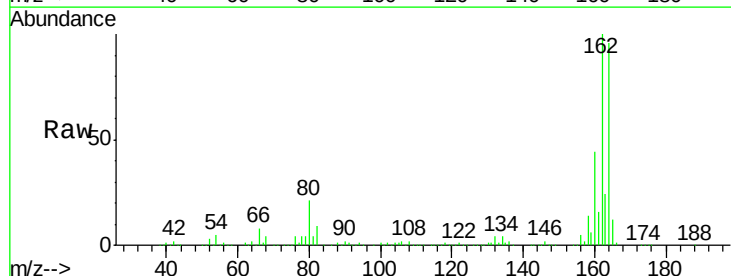
Instrument :
 BNA_F
 ClientSampleId :

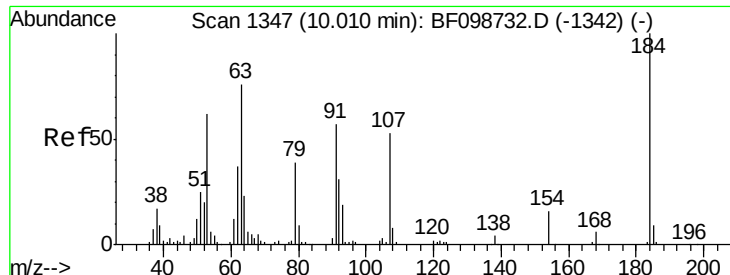
Tot Ion:172 Resp: 1351649
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 24.1 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 7.68 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF099176.D
 Acq: 7 Oct 2017 5:11

Tgt Ion:165 Resp: 33294
 Ion Ratio Lower Upper
 165 100
 63 2.2 44.7 67.1#
 89 1.6 44.0 66.0#

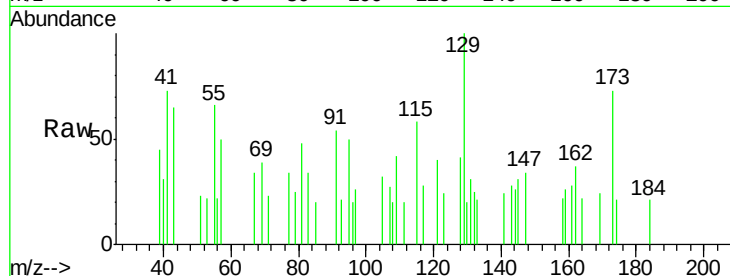




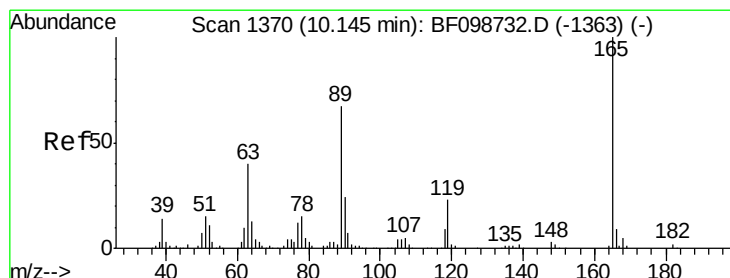
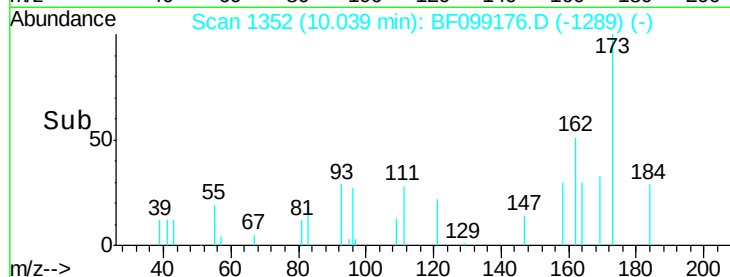
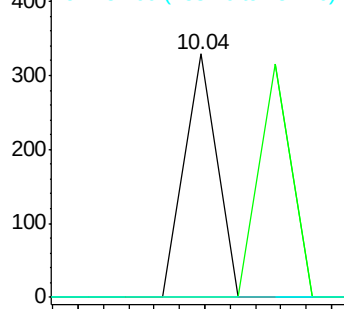
#53
2,4-Dinitrophenol
Concen: 5.88 na
RT: 10.04 min Scan# 1352
Delta R.T. 0.07 min
Lab File: BF099176.D
Acq: 7 Oct 2017 5:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:184 Resp: 116
Ion Ratio Lower Upper
184 100
63 0.0 54.2 81.2#
154 0.0 53.5 80.3#

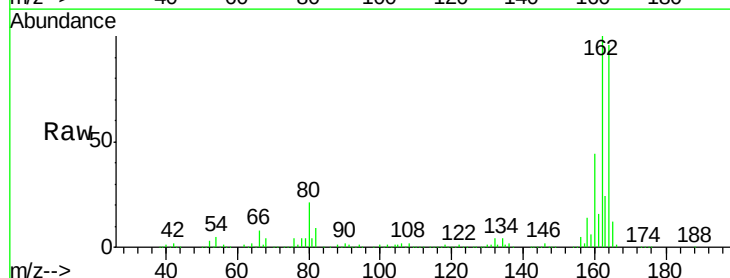


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

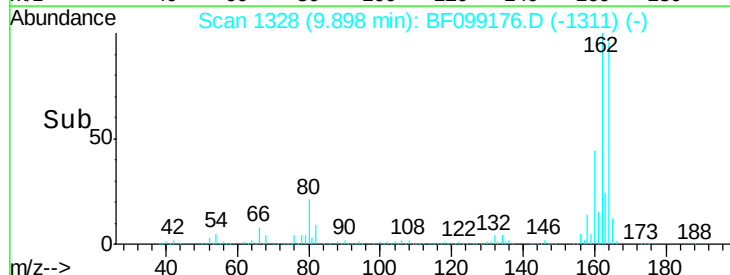
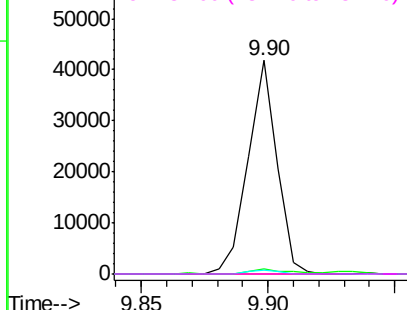


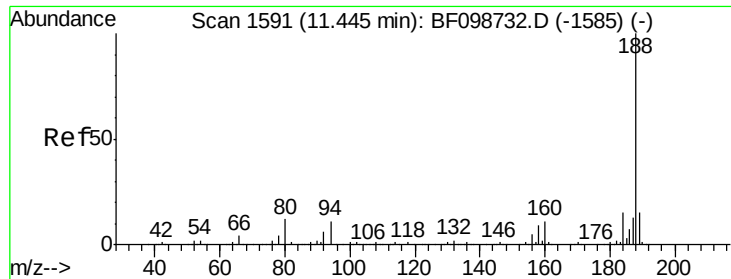
#56
2,4-Dinitrotoluene
Concen: 5.92 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.20 min
Lab File: BF099176.D
Acq: 7 Oct 2017 5:11

Tgt Ion:165 Resp: 33294
Ion Ratio Lower Upper
165 100
63 2.2 36.4 54.6#
89 1.6 57.8 86.6#
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

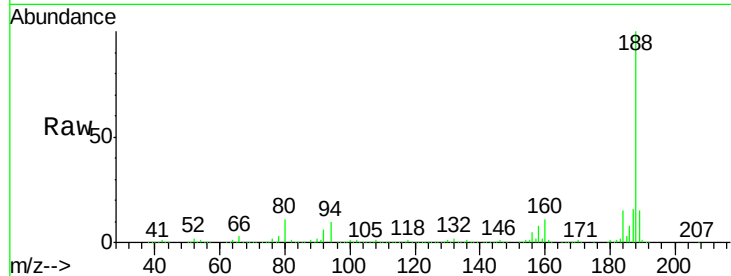




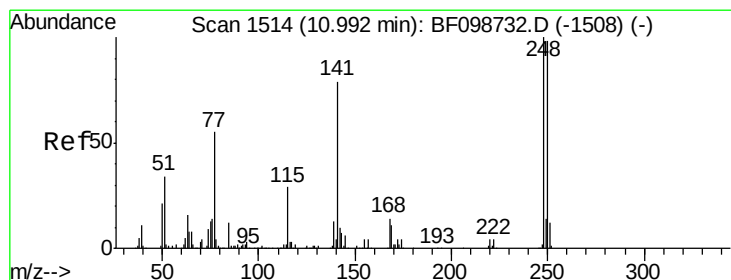
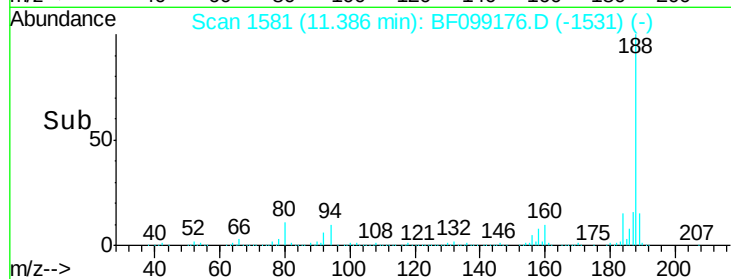
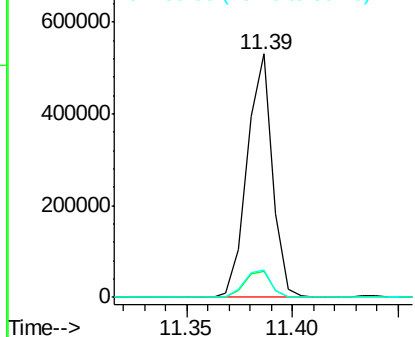
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF099176.D
Acq: 7 Oct 2017 5:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 440341
Ion Ratio Lower Upper
188 100
94 10.5 8.5 12.7
80 11.2 9.2 13.8

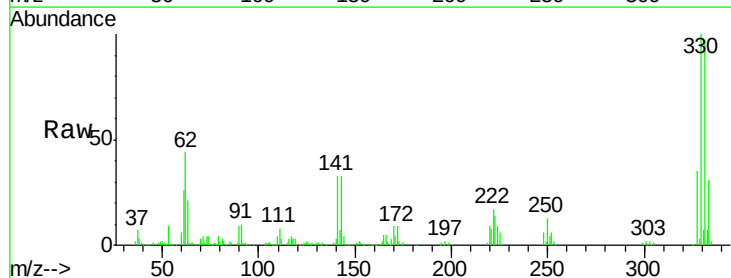


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

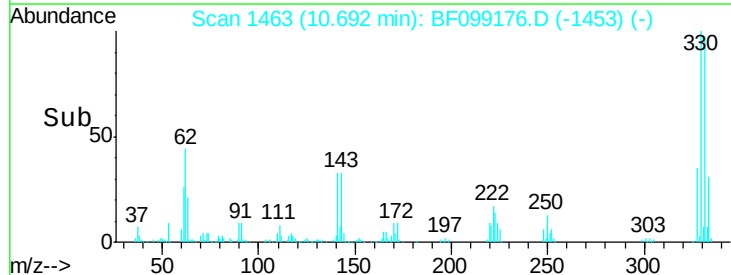
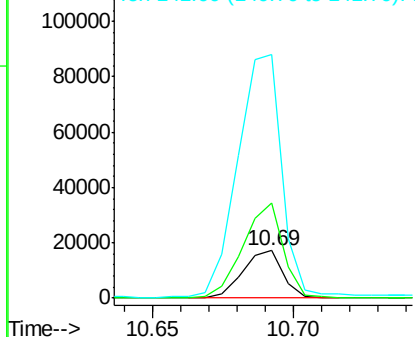


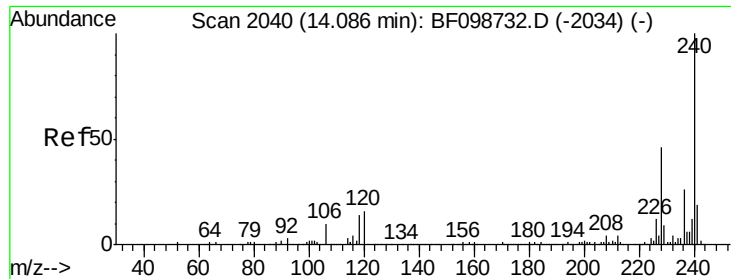
#66
4-Bromophenyl-phenylether
Concen: 3.90 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.24 min
Lab File: BF099176.D
Acq: 7 Oct 2017 5:11

Tgt Ion:248 Resp: 16826
Ion Ratio Lower Upper
248 100
250 201.0 76.9 115.3#
141 515.5 74.4 111.6#



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

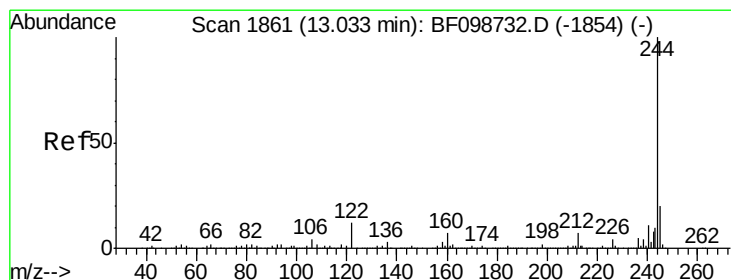
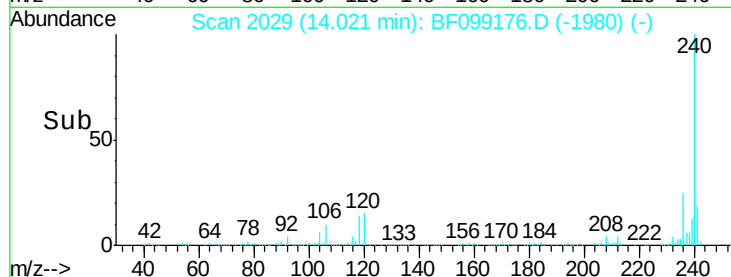
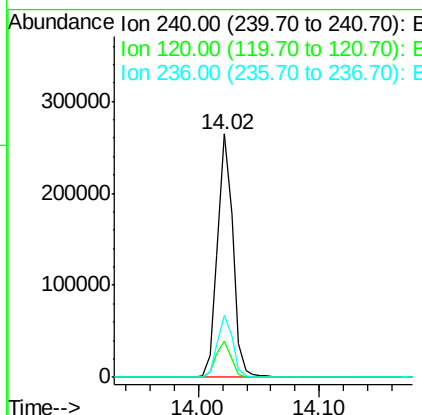
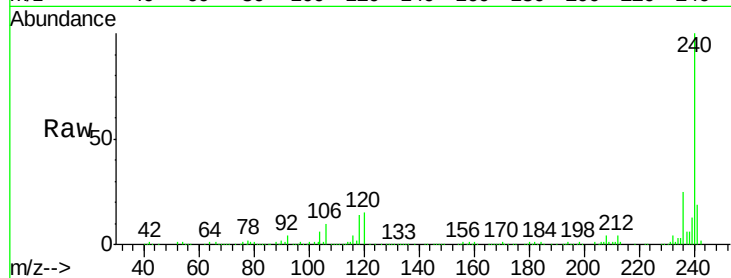




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF099176.D
 Acq: 7 Oct 2017 5:11

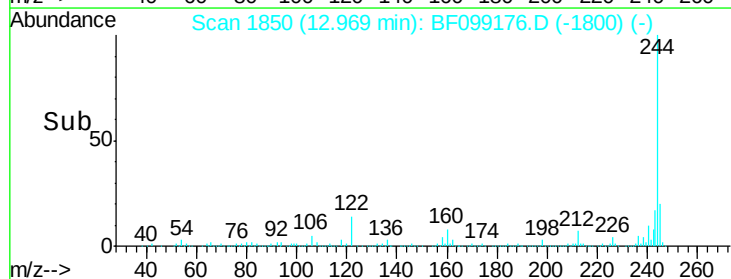
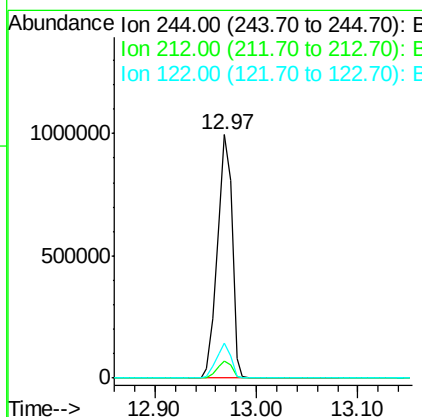
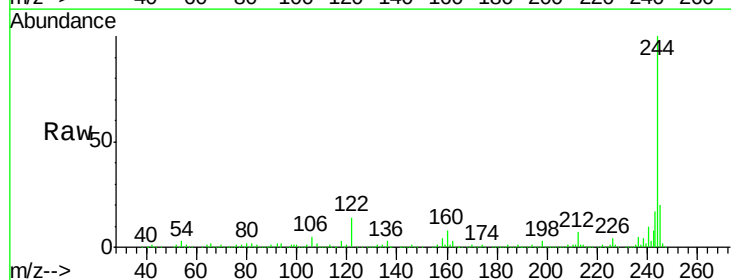
Instrument :
 BNA_F
 ClientSampleId :

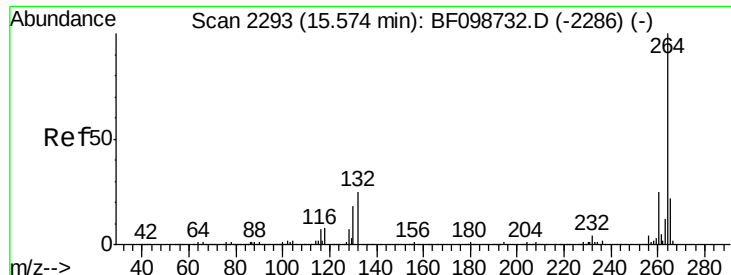
Tot Ion:240 Resp: 231021
 Ion Ratio Lower Upper
 240 100
 120 15.0 9.5 14.3#
 236 25.3 20.7 31.1



#78
 Terphenyl-d14
 Concen: 98.91 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BF099176.D
 Acq: 7 Oct 2017 5:11

Tgt Ion:244 Resp: 1004784
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 14.1 11.0 16.4

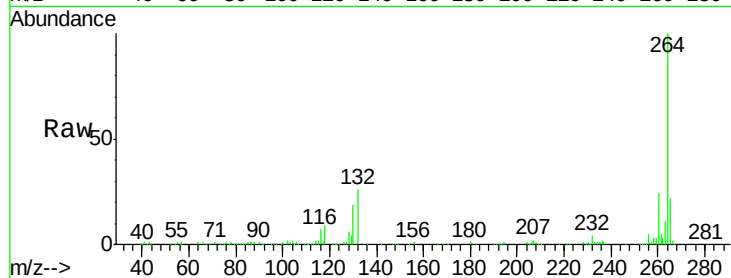




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF099176.D
Acq: 7 Oct 2017 5:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.2	17.5	26.3



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

