

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
 Data File : BF099943.D
 Acq On : 29 Oct 2017 5:08
 Operator : SJ/JU
 Sample : I6059-02
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 02:06:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 15:58:57 2017
 Response via : Initial Calibration

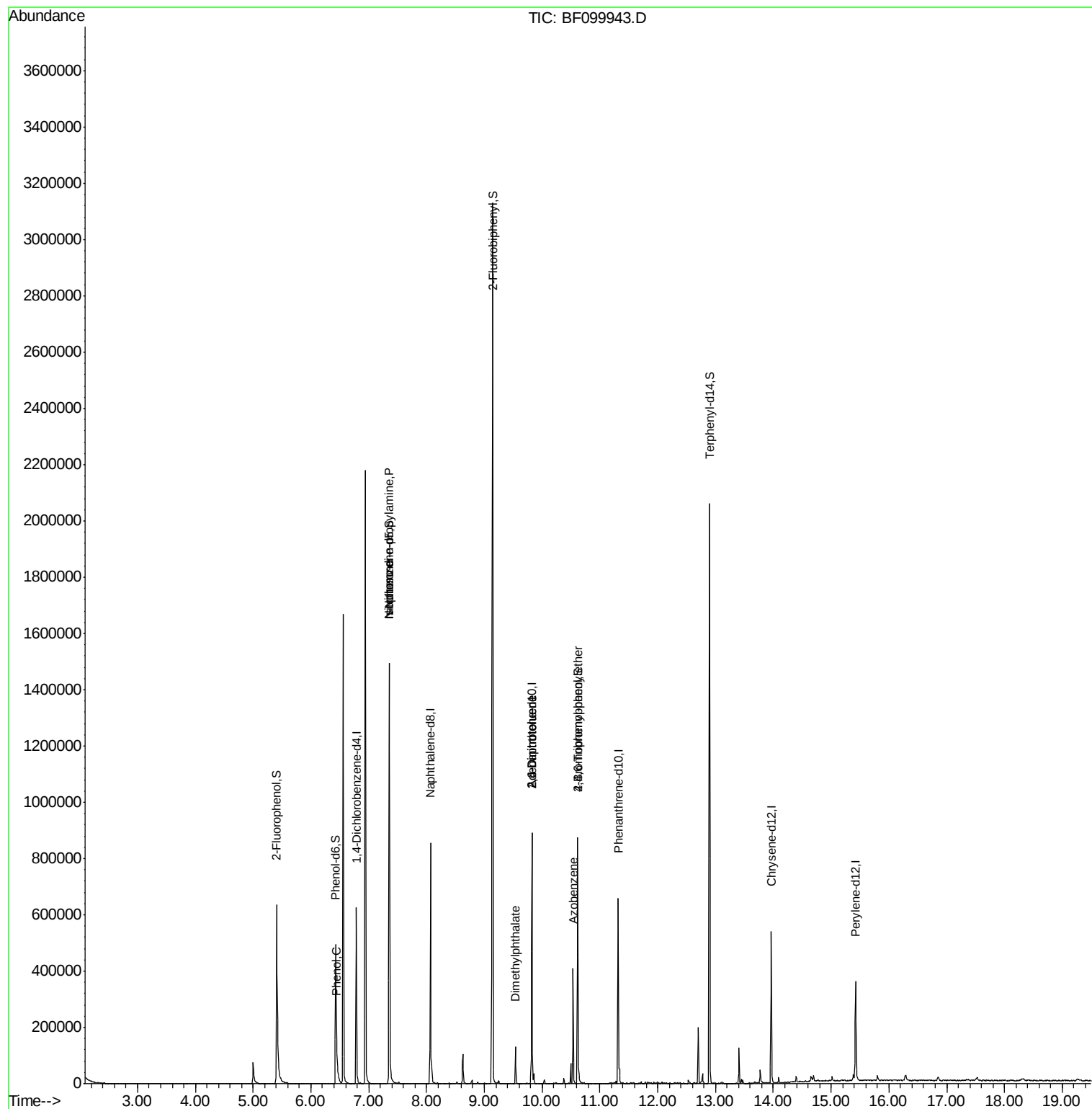
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	104375	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	413461	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	168999	20.00	ng	-0.02
63) Phenanthrene-d10	11.32	188	242628	20.00	ng	-0.02
75) Chrysene-d12	13.96	240	183019	20.00	ng	-0.03
86) Perylene-d12	15.43	264	175755	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	277886	41.80	ng	0.00
7) Phenol-d6	6.43	99	231965	29.43	ng	-0.01
23) Nitrobenzene-d5	7.36	82	571561	89.00	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	109798	71.29	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	1077683	98.38	ng	-0.01
78) Terphenyl-d14	12.90	244	702539	83.89	ng	-0.02
Target Compounds						
10) Phenol	6.45	94	23592	2.726	ng	92
19) n-Nitroso-di-n-propylamine	7.36	70	70136	15.182	ng	# 71
25) Isophorone	7.36	82	571561	49.046	ng	# 64
49) Dimethylphthalate	9.54	163	57853	4.323	ng	99
50) 2,6-Dinitrotoluene	9.82	165	21531	7.653	ng	# 24
56) 2,4-Dinitrotoluene	9.82	165	21531	6.355	ng	# 22
62) Azobenzene	10.53	77	66510	6.071	ng	# 1
66) 4-Bromophenyl-phenylether	10.62	248	7029	2.752	ng	# 1

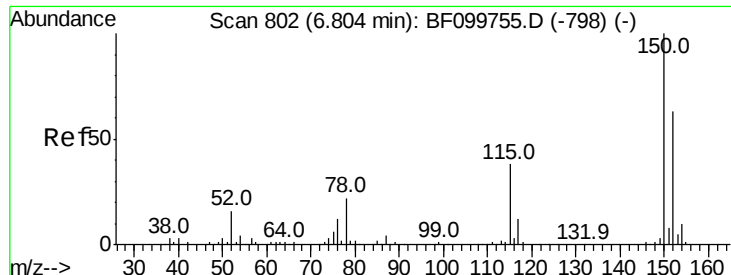
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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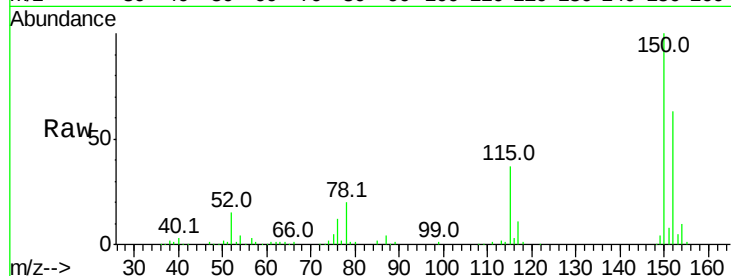


#1

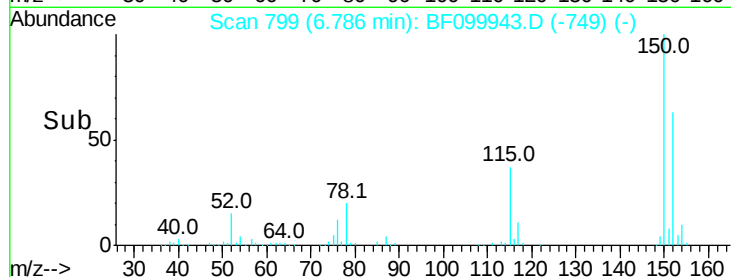
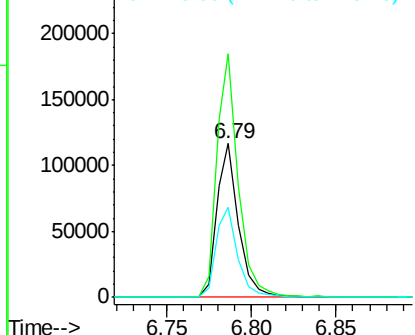
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF099943.D
Acq: 29 Oct 2017 5:08

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 104375
Ion Ratio Lower Upper
152 100
150 158.1 124.6 186.8
115 58.2 50.1 75.1



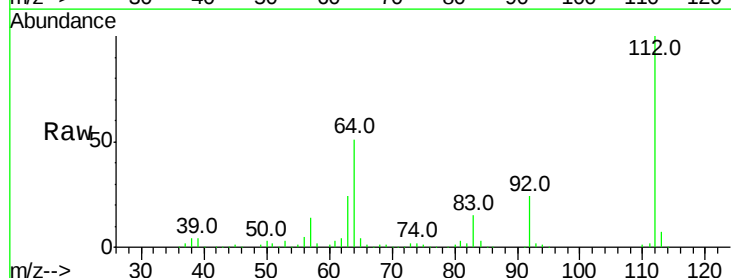
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



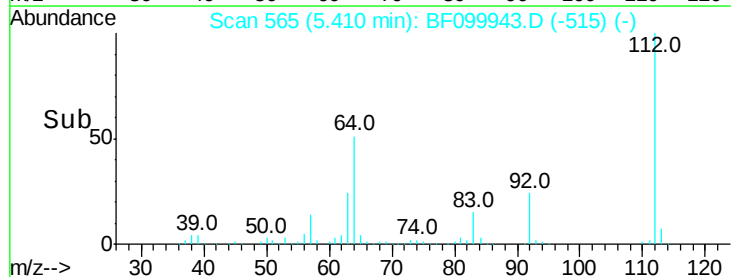
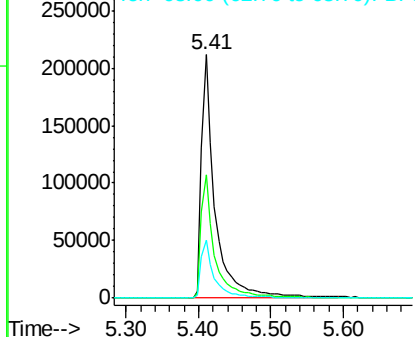
#5

2-Fluorophenol
Concen: 41.798 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF099943.D
Acq: 29 Oct 2017 5:08

Tgt Ion:112 Resp: 277886
Ion Ratio Lower Upper
112 100
64 50.9 47.9 71.9
63 24.1 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: 29.426 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF099943.D

Acq: 29 Oct 2017 5:08

Instrument :

BNA_F

ClientSampled :

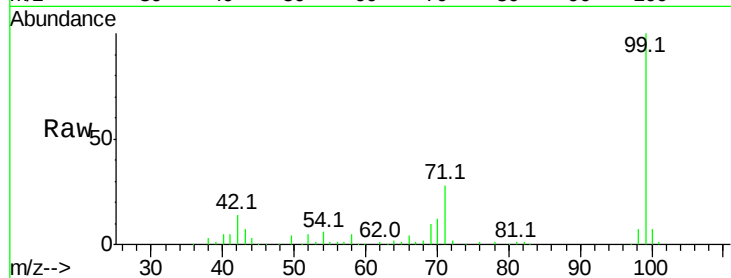
Tot Ion: 99 Resp: 231965

Ion Ratio Lower Upper

99 100

42 13.8 14.5 21.7#

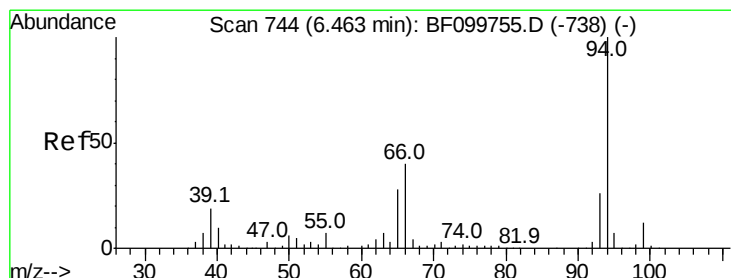
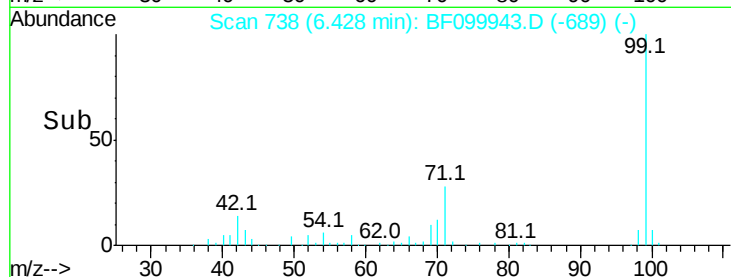
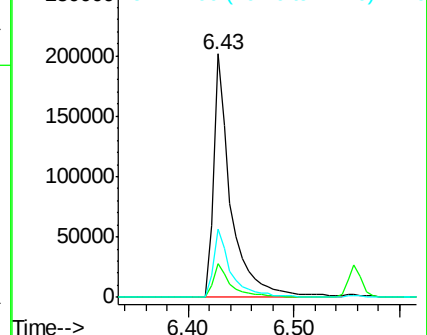
71 28.2 25.4 38.0



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



#10

Phenol

Concen: 2.726 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF099943.D

Acq: 29 Oct 2017 5:08

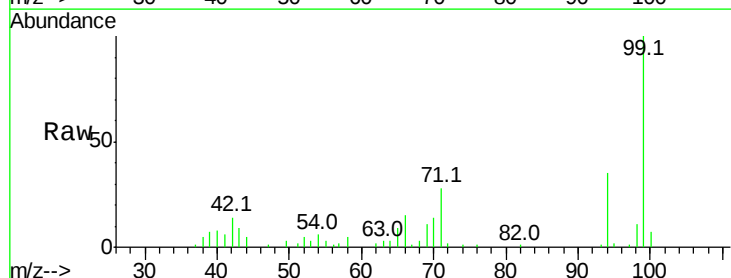
Tgt Ion: 94 Resp: 23592

Ion Ratio Lower Upper

94 100

65 26.2 7.9 47.9

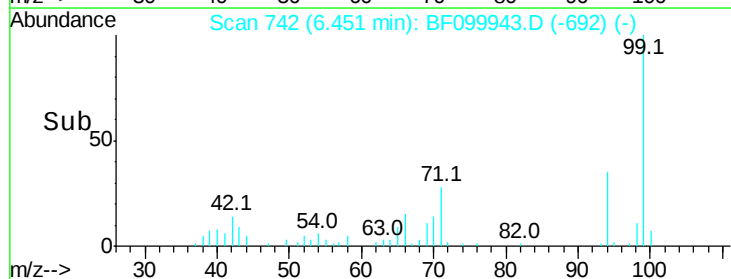
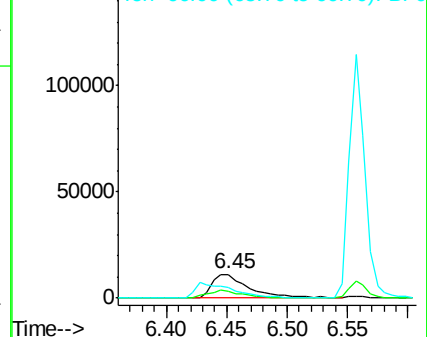
66 43.0 16.2 56.2

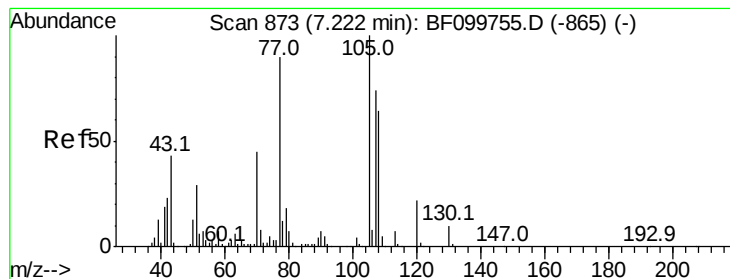


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 15.182 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF099943.D

Acq: 29 Oct 2017 5:08

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 70136

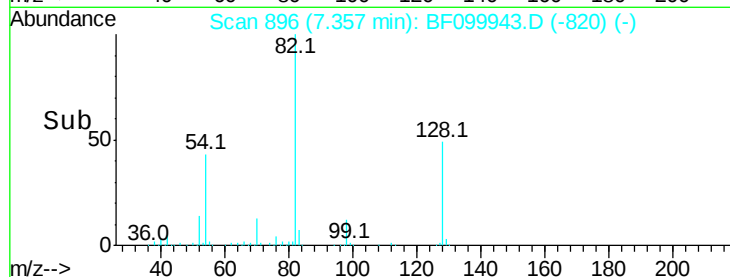
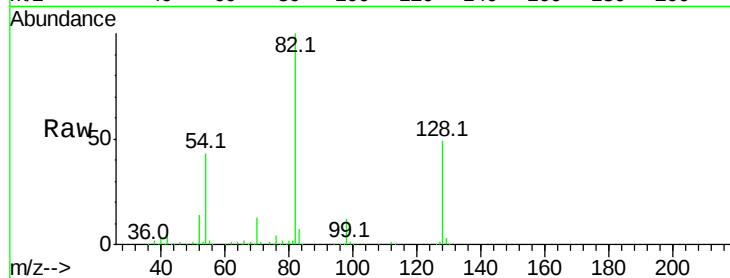
Ion Ratio Lower Upper

70 100

42 39.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

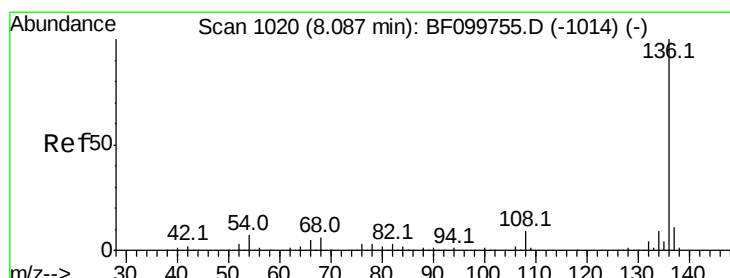
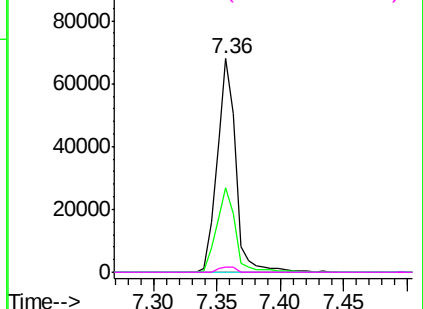


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF099943.D

Acq: 29 Oct 2017 5:08

Tgt Ion:136 Resp: 413461

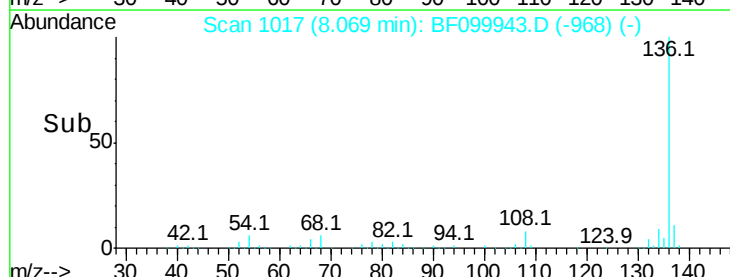
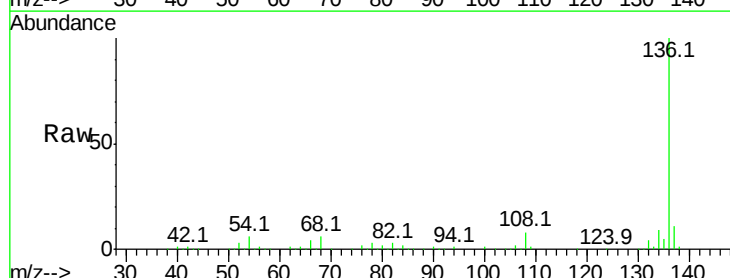
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.0 6.6 9.8#

68 5.5 5.0 7.4

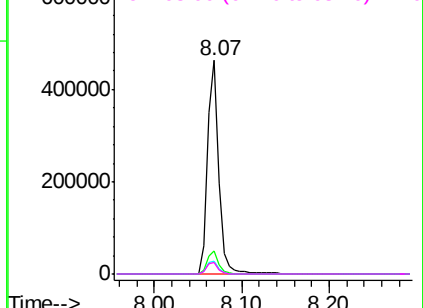


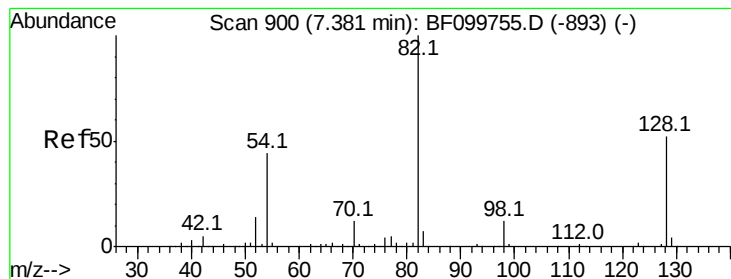
Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.998 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF099943.D

Acq: 29 Oct 2017 5:08

Instrument :

BNA_F

ClientSampleId :

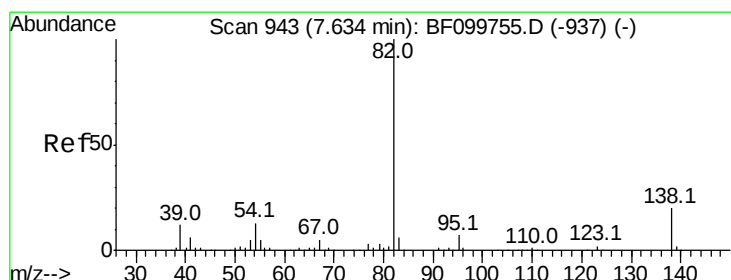
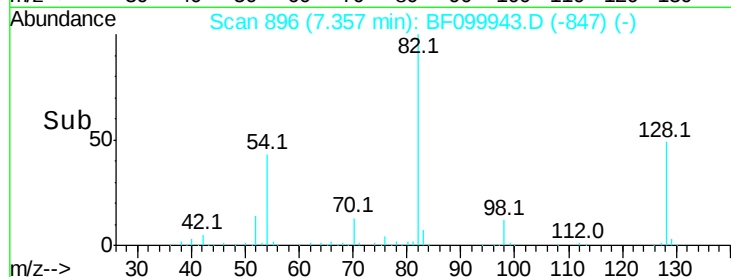
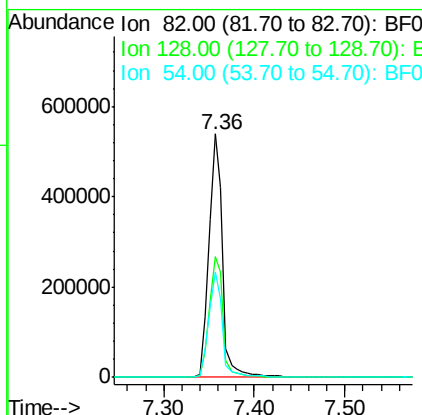
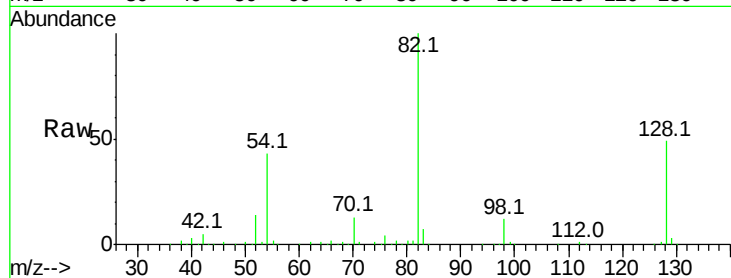
Tot Ion: 82 Resp: 571561

Ion Ratio Lower Upper

82 100

128 49.5 36.1 54.1

54 43.5 41.4 62.2



#25

Isophorone

Concen: 49.046 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF099943.D

Acq: 29 Oct 2017 5:08

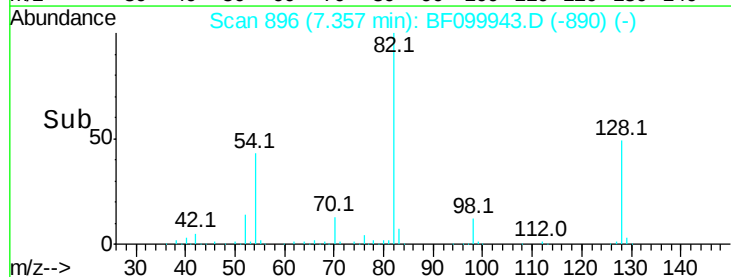
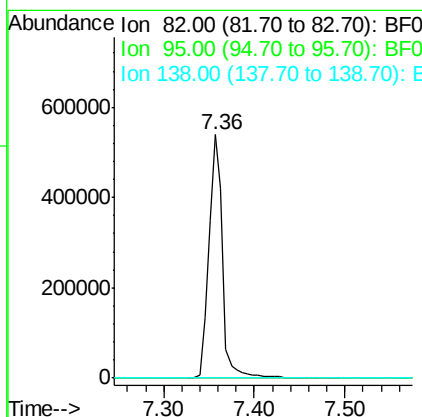
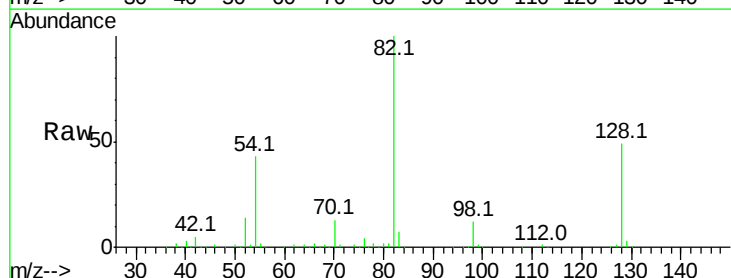
Tgt Ion: 82 Resp: 571561

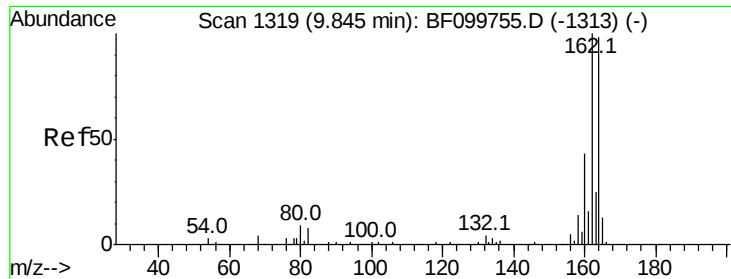
Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.02 min

Lab File: BF099943.D

Acq: 29 Oct 2017 5:08

Instrument :

BNA_F

ClientSampleId :

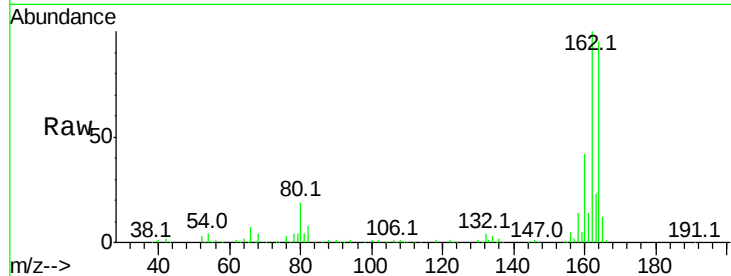
Tot Ion:164 Resp: 168999

Ion Ratio Lower Upper

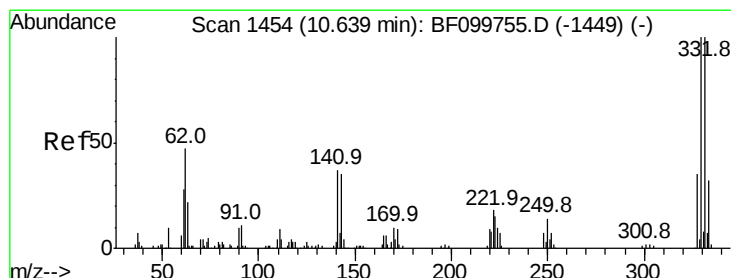
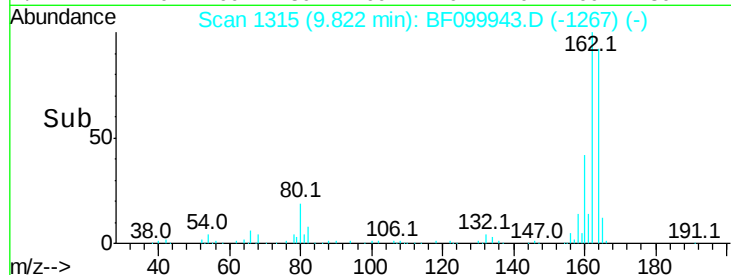
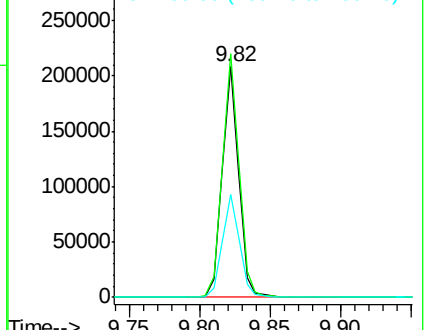
164 100

162 105.7 86.1 129.1

160 44.8 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: 71.292 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.02 min

Lab File: BF099943.D

Acq: 29 Oct 2017 5:08

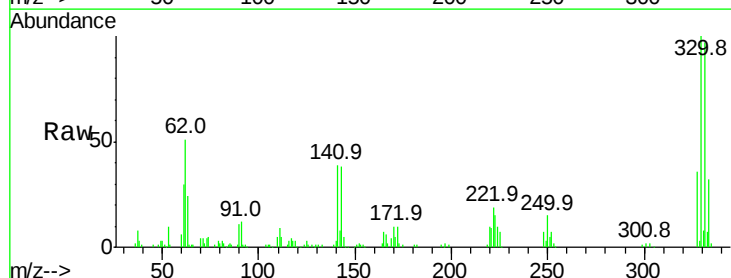
Tgt Ion:330 Resp: 109798

Ion Ratio Lower Upper

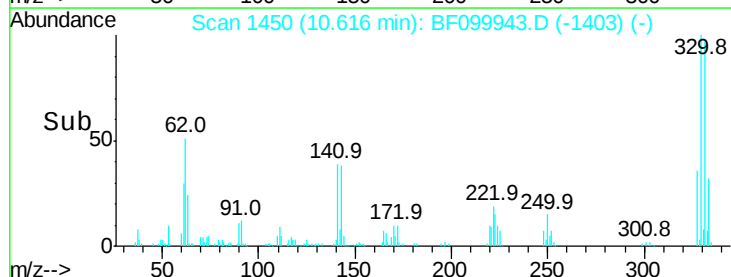
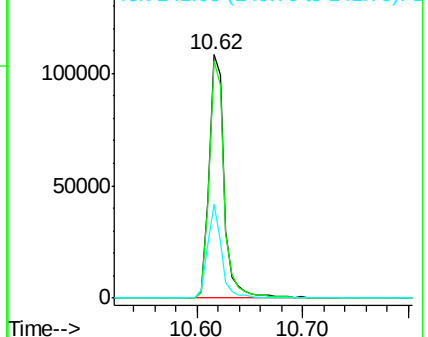
330 100

332 96.0 77.0 115.6

141 35.0 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



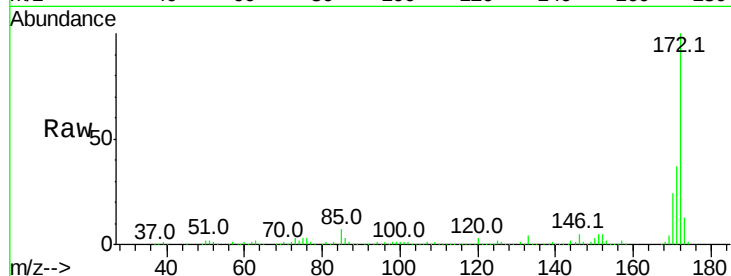


#44
 2-Fluorobiphenyl
 Concen: 98.385 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF099943.D
 Acq: 29 Oct 2017 5:08

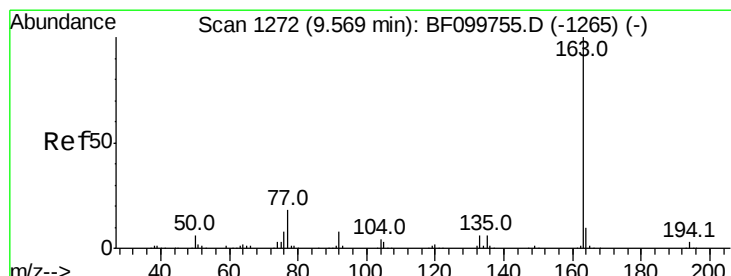
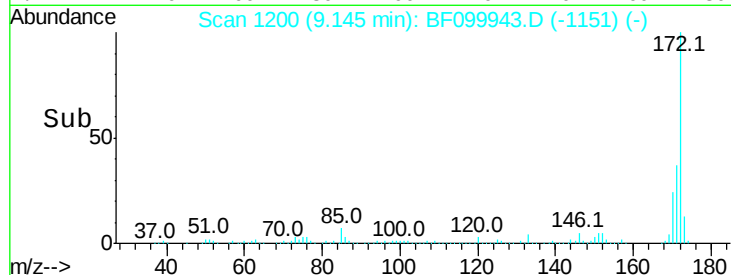
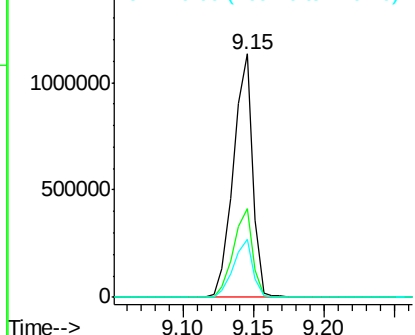
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1077683

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	23.7	19.6	29.4



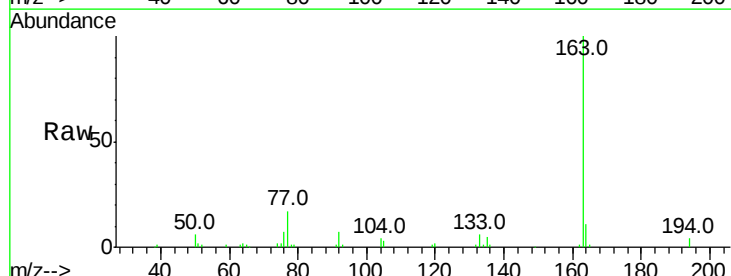
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



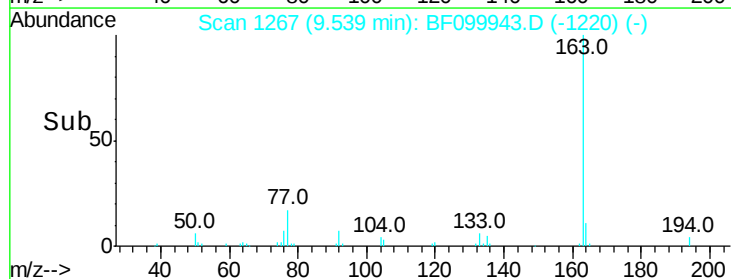
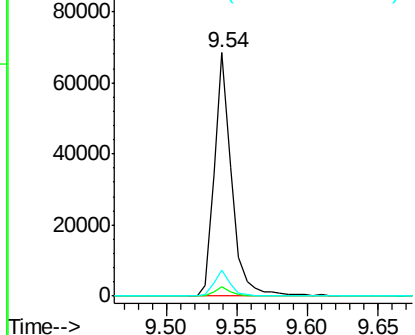
#49
 Dimethylphthalate
 Concen: 4.323 ng
 RT: 9.54 min Scan# 1267
 Delta R.T. -0.02 min
 Lab File: BF099943.D
 Acq: 29 Oct 2017 5:08

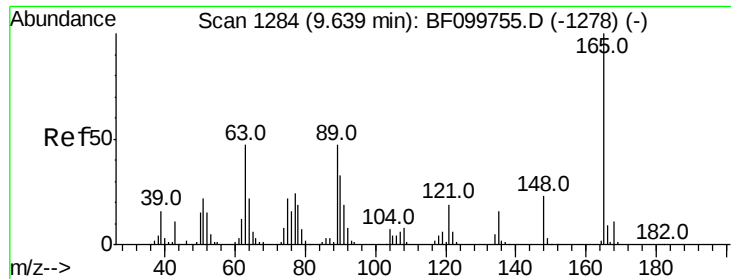
Tgt Ion:163 Resp: 57853

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	10.6	8.2	12.2



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

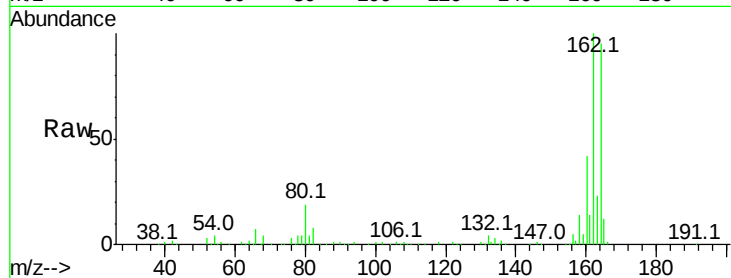




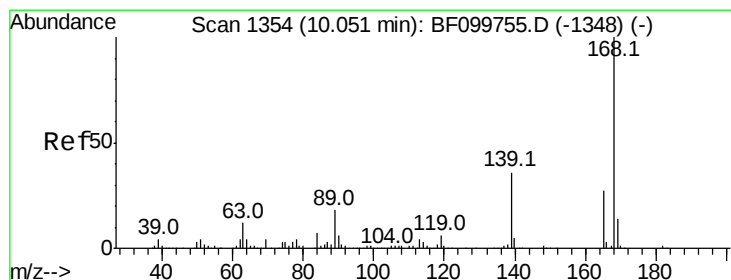
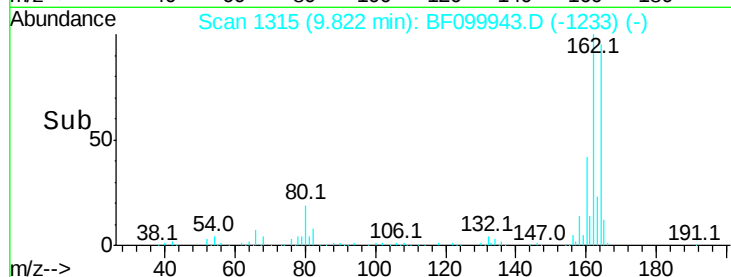
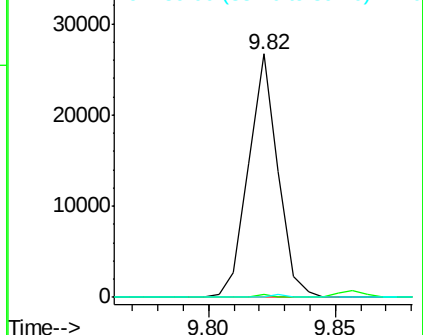
#50
2,6-Dinitrotoluene
Concen: 7.653 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.18 min
Lab File: BF099943.D
Acq: 29 Oct 2017 5:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	0.0	44.0	66.0#



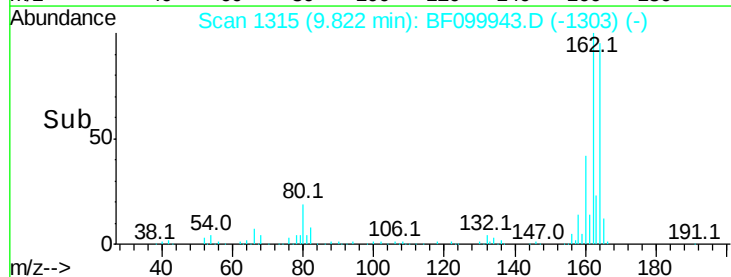
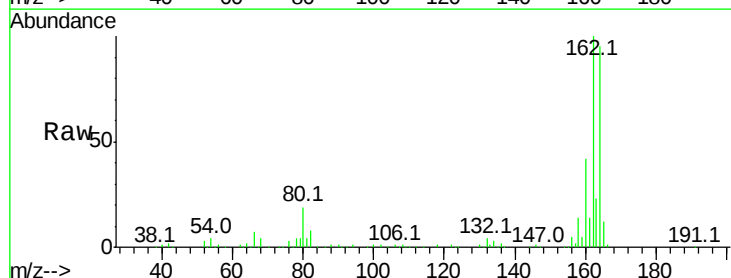
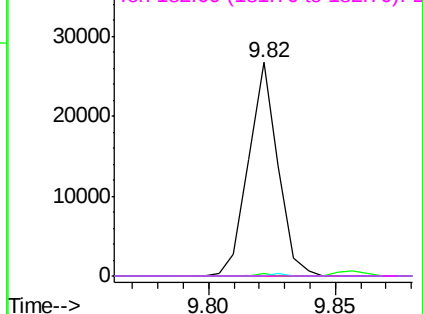
Abundance Ion 165.00 (164.70 to 165.70): E

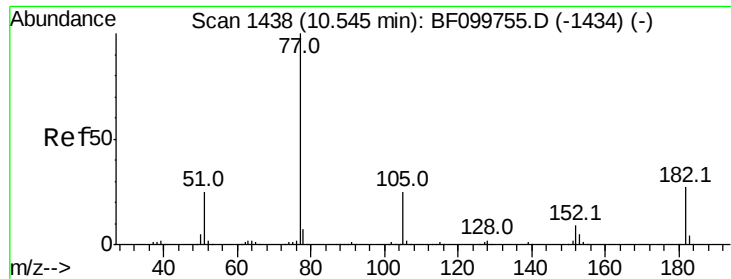


#56
2,4-Dinitrotoluene
Concen: 6.355 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.23 min
Lab File: BF099943.D
Acq: 29 Oct 2017 5:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

Abundance Ion 165.00 (164.70 to 165.70): E





#62

Azobenzene

Concen: 6.071 ng

RT: 10.53 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BF099943.D

Acq: 29 Oct 2017 5:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 66510

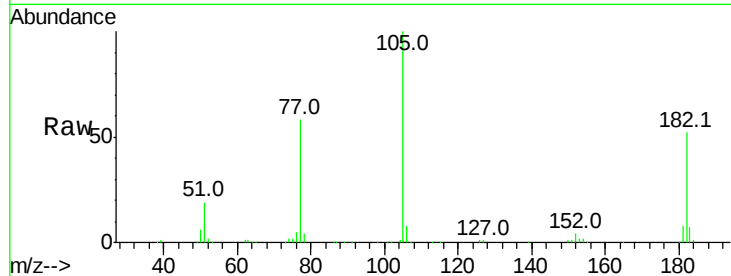
Ion Ratio Lower Upper

77 100

182 89.6 1.7 41.7#

105 173.0 3.0 43.0#

51 32.5 9.9 49.9

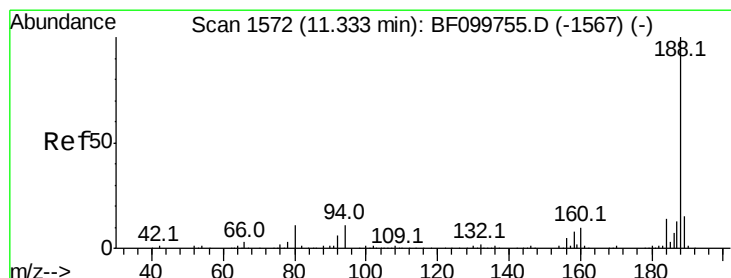
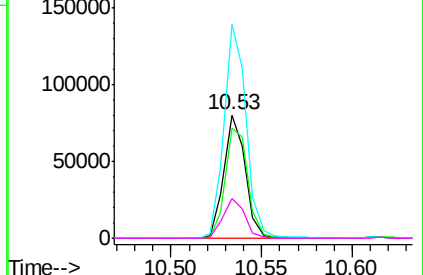
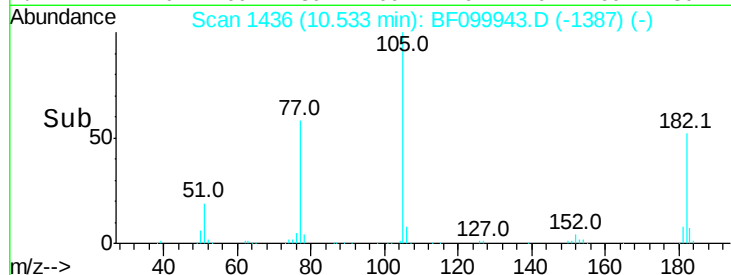


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.02 min

Lab File: BF099943.D

Acq: 29 Oct 2017 5:08

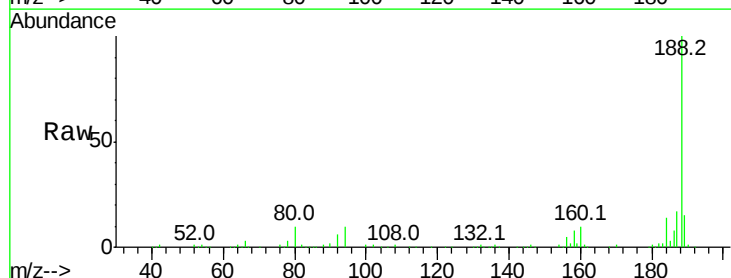
Tgt Ion: 188 Resp: 242628

Ion Ratio Lower Upper

188 100

94 9.8 8.5 12.7

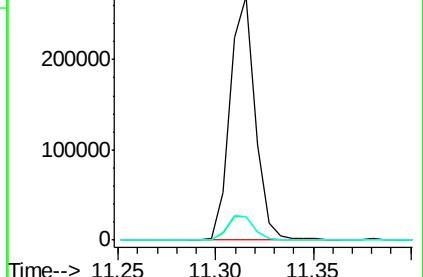
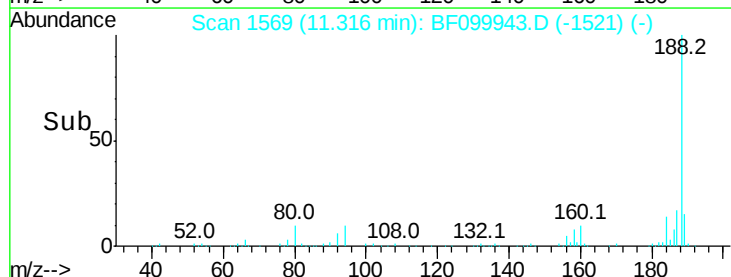
80 9.6 9.2 13.8



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

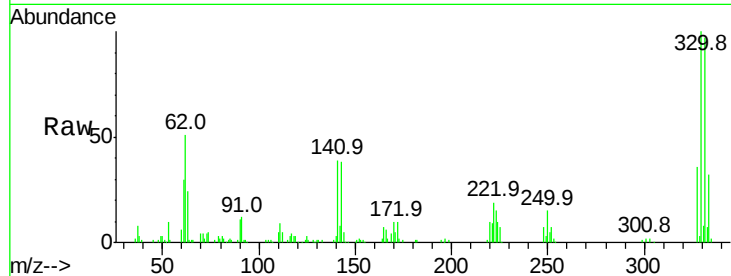




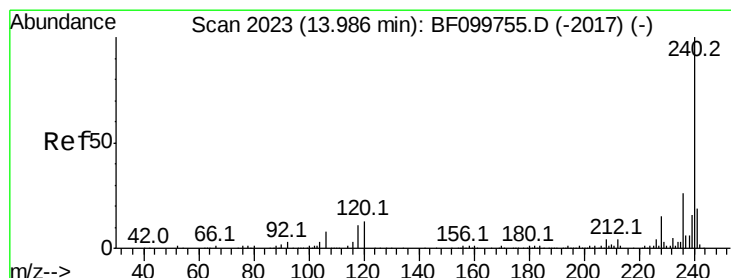
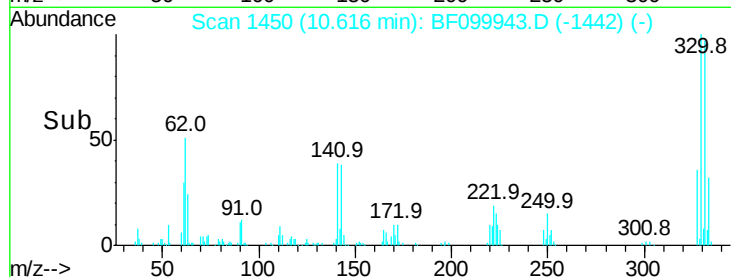
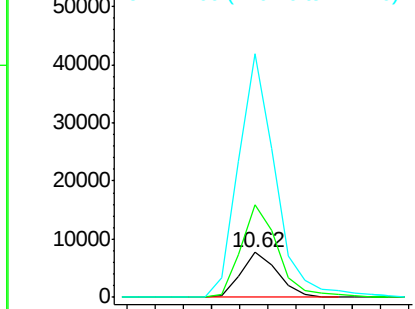
#66
4-Bromophenyl-phenylether
Concen: 2.752 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.25 min
Lab File: BF099943.D
Acq: 29 Oct 2017 5:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 7029
Ion Ratio Lower Upper
248 100
250 206.7 76.9 115.3#
141 543.5 74.4 111.6#

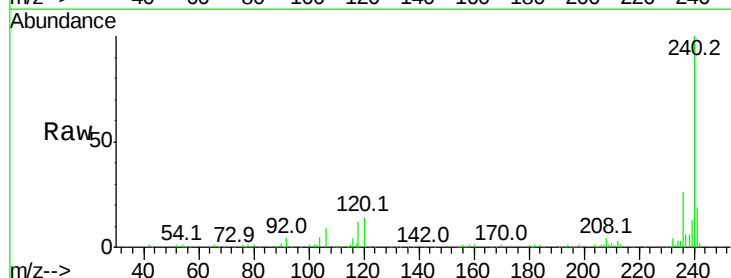


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

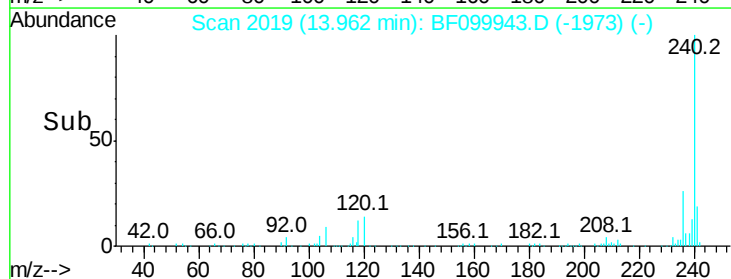
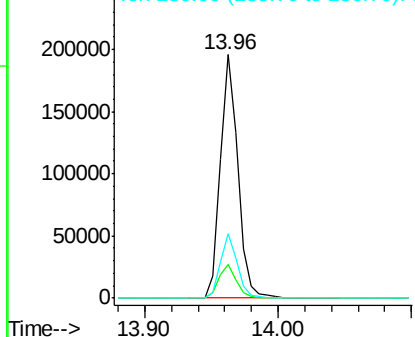


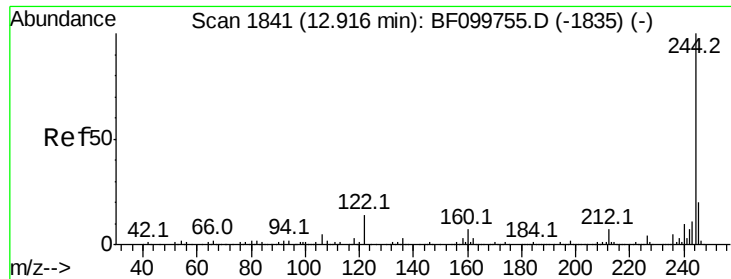
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.03 min
Lab File: BF099943.D
Acq: 29 Oct 2017 5:08

Tgt Ion:240 Resp: 183019
Ion Ratio Lower Upper
240 100
120 14.0 9.5 14.3
236 26.3 20.7 31.1



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: 83.888 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.02 min

Lab File: BF099943.D

Acq: 29 Oct 2017 5:08

Instrument :

BNA_F

ClientSampleId :

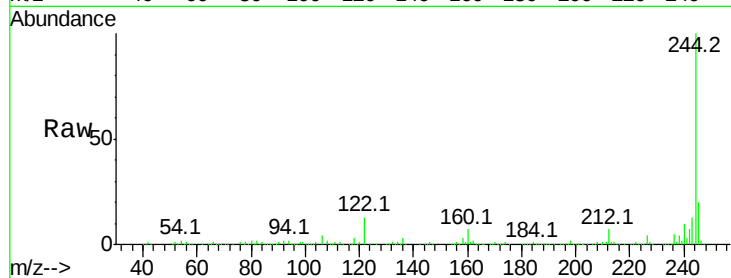
Tot Ion:244 Resp: 702539

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

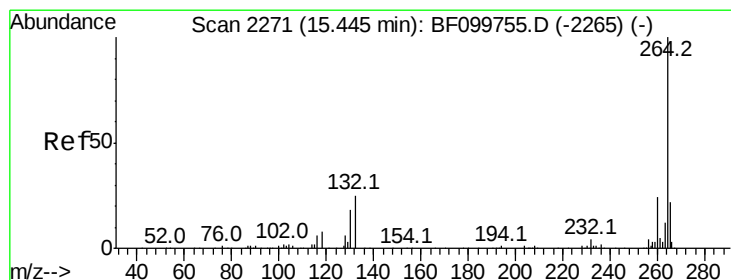
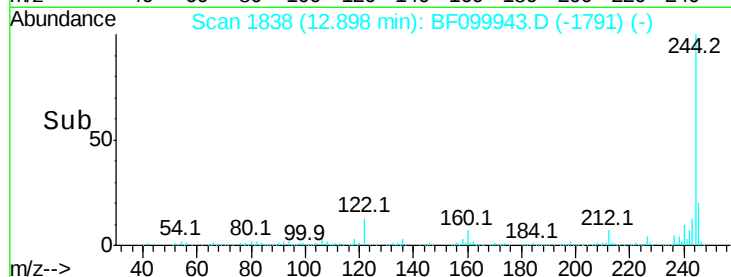
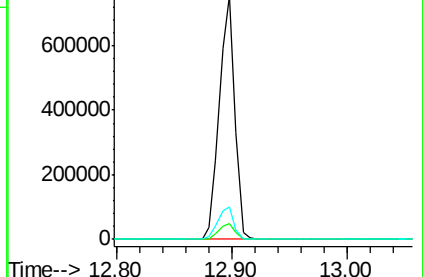
122 13.1 11.0 16.4



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: 15.43 min Scan# 2268

Delta R.T. -0.03 min

Lab File: BF099943.D

Acq: 29 Oct 2017 5:08

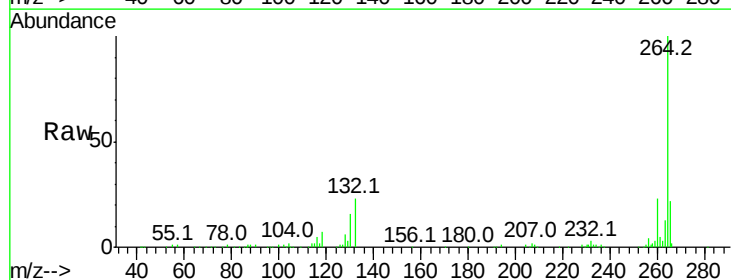
Tgt Ion:264 Resp: 175755

Ion Ratio Lower Upper

264 100

260 22.7 19.2 28.8

265 22.4 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

