

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
 Data File : BF099939.D
 Acq On : 29 Oct 2017 3:17
 Operator : SJ/JU
 Sample : I6023-08
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 02:04:44 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

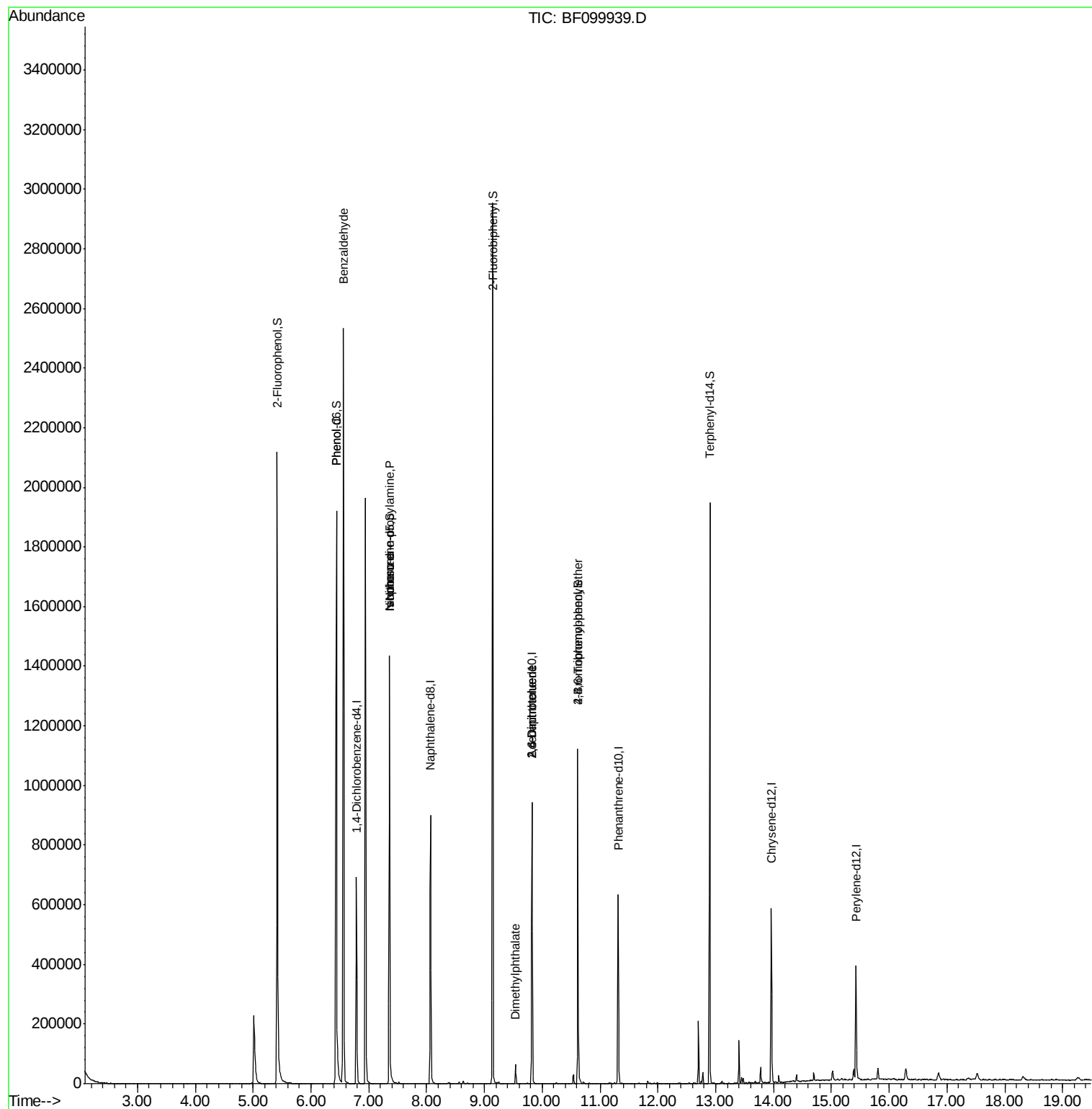
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	109471	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	432001	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	177050	20.00	ng	-0.02
63) Phenanthrene-d10	11.32	188	249643	20.00	ng	-0.02
75) Chrysene-d12	13.96	240	186876	20.00	ng	-0.03
86) Perylene-d12	15.43	264	184697	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	765293	109.75	ng	0.00
7) Phenol-d6	6.44	99	914588	110.62	ng	0.00
23) Nitrobenzene-d5	7.36	82	535579	79.82	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	139819	86.66	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	1020351	88.91	ng	-0.01
78) Terphenyl-d14	12.90	244	624598	73.04	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.56	77	12894	2.610	ng	93
10) Phenol	6.45	94	30972	3.412	ng	87
19) n-Nitroso-di-n-propylamine	7.36	70	67040	13.837	ng	# 72
25) Isophorone	7.36	82	535579	43.986	ng	# 64
49) Dimethylphthalate	9.54	163	30264	2.158	ng	99
50) 2,6-Dinitrotoluene	9.82	165	21806	7.398	ng	# 24
56) 2,4-Dinitrotoluene	9.82	165	21806	6.143	ng	# 21
66) 4-Bromophenyl-phenylether	10.62	248	9285	3.533	ng	# 1

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

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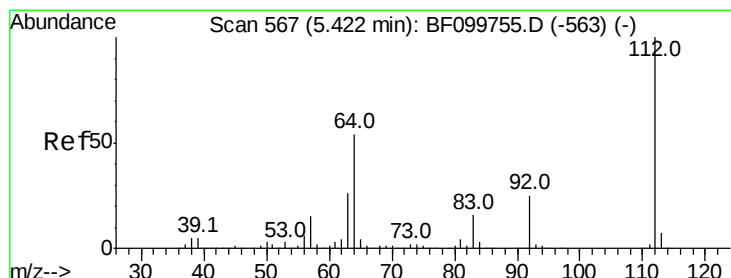
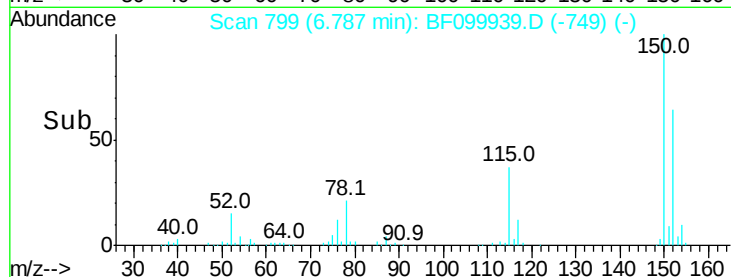
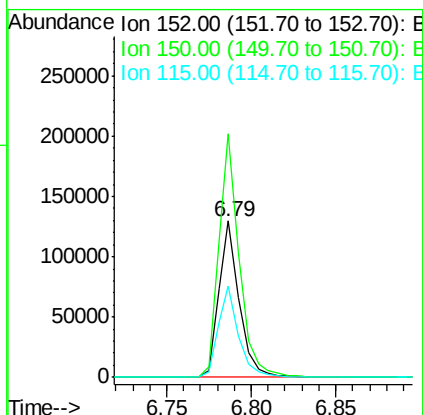
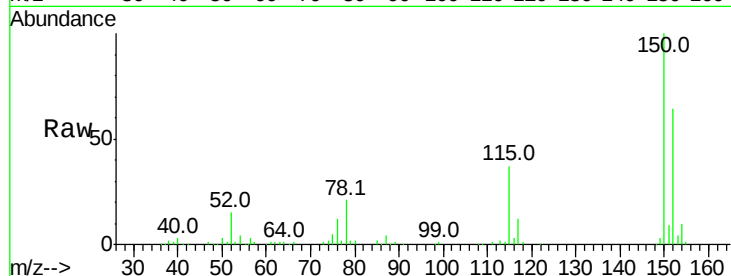


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF099939.D
 Acq: 29 Oct 2017 3:17

Instrument :
 BNA_F
 ClientSampled :

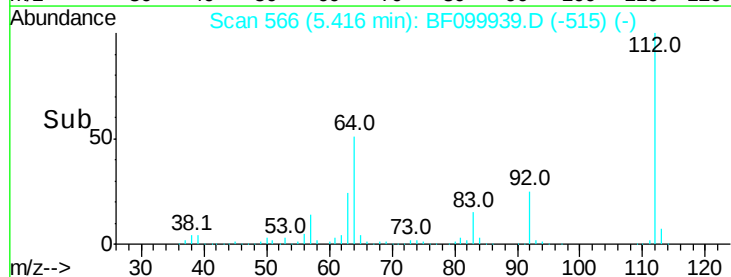
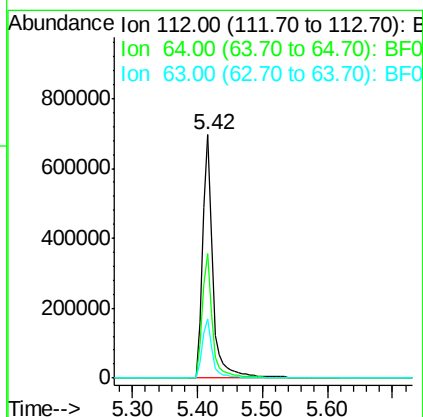
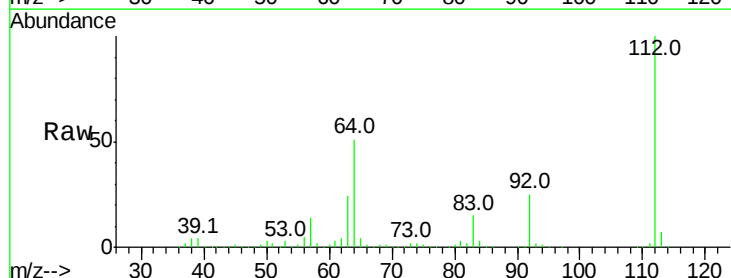
Tot Ion:152 Resp: 109471
 Ion Ratio Lower Upper
 152 100
 150 156.0 124.6 186.8
 115 58.2 50.1 75.1



#5

2-Fluorophenol
 Concen: 109.754 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: BF099939.D
 Acq: 29 Oct 2017 3:17

Tgt Ion:112 Resp: 765293
 Ion Ratio Lower Upper
 112 100
 64 51.1 47.9 71.9
 63 24.1 23.7 35.5





#7

Phenol-d6

Concen: 110.620 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF099939.D

Acq: 29 Oct 2017 3:17

Instrument :

BNA_F

ClientSampled :

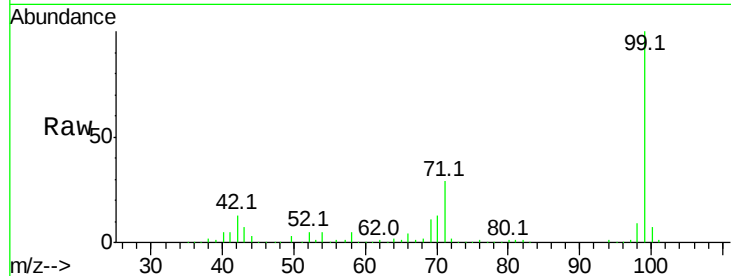
Tot Ion: 99 Resp: 914588

Ion Ratio Lower Upper

99 100

42 12.9 14.5 21.7#

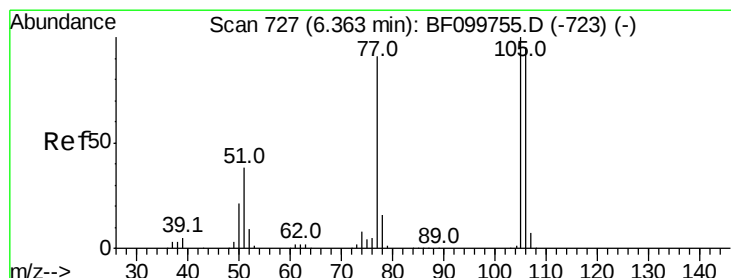
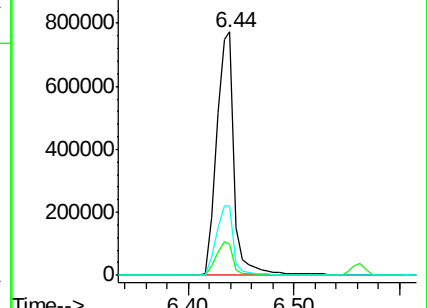
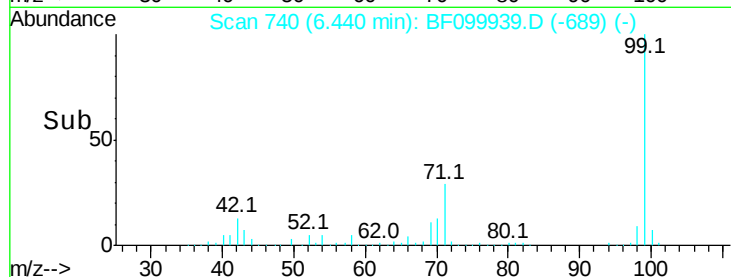
71 28.6 25.4 38.0



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: 2.610 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.21 min

Lab File: BF099939.D

Acq: 29 Oct 2017 3:17

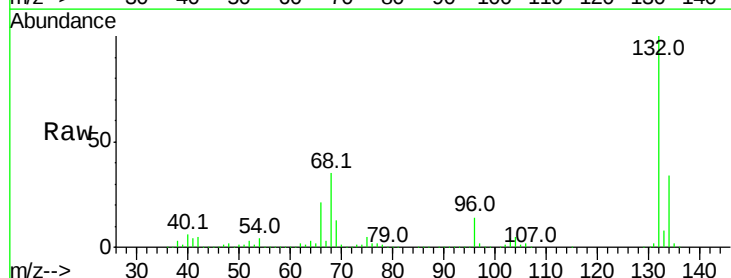
Tgt Ion: 77 Resp: 12894

Ion Ratio Lower Upper

77 100

105 89.6 81.1 121.1

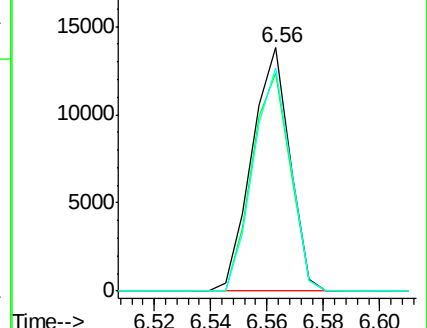
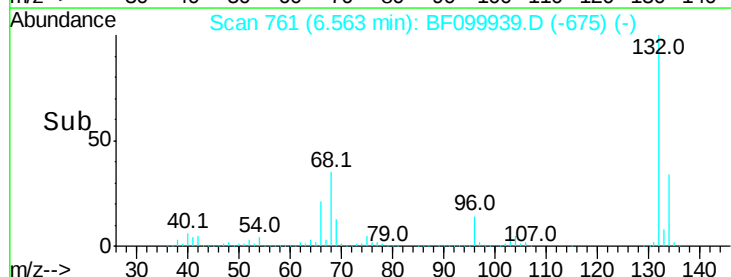
106 91.6 74.5 114.5

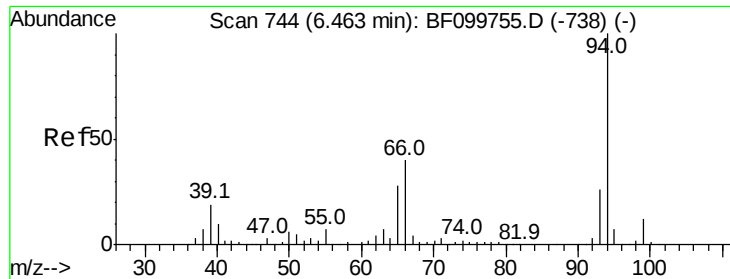


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.412 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF099939.D

Acq: 29 Oct 2017 3:17

Instrument :

BNA_F

ClientSampleId :

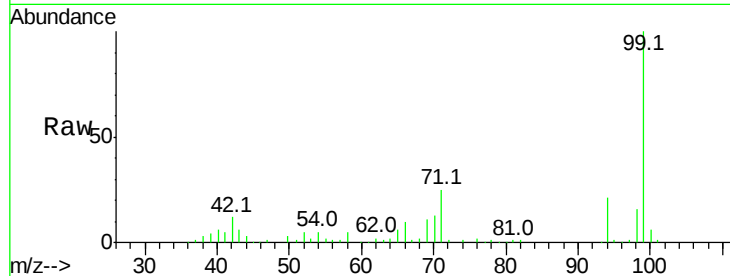
Tot Ion: 94 Resp: 30972

Ion Ratio Lower Upper

94 100

65 27.0 7.9 47.9

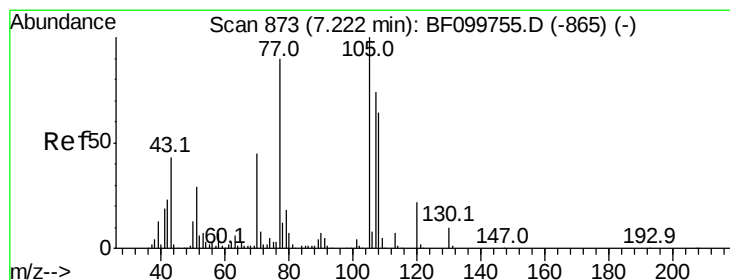
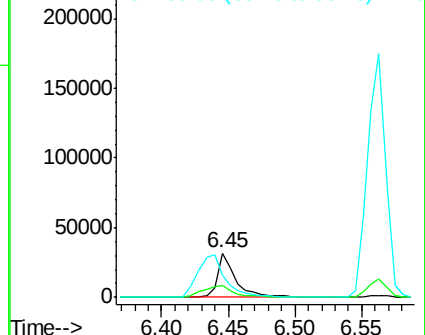
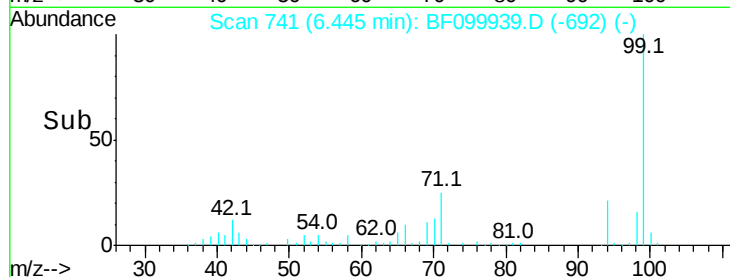
66 49.4 16.2 56.2



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: 13.837 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF099939.D

Acq: 29 Oct 2017 3:17

Tgt Ion: 70 Resp: 67040

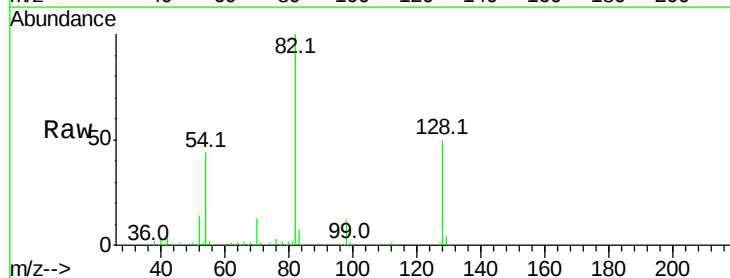
Ion Ratio Lower Upper

70 100

42 41.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

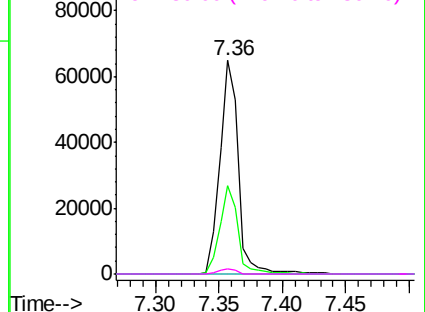
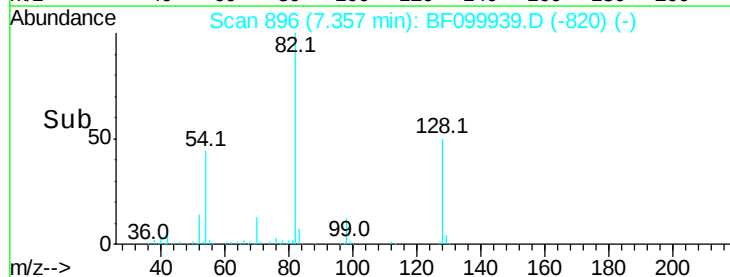


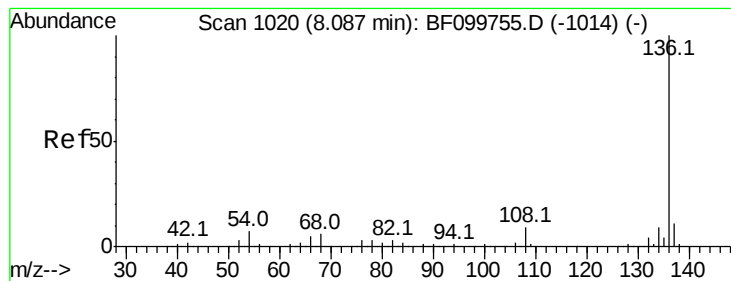
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF099939.D

Acq: 29 Oct 2017 3:17

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 432001

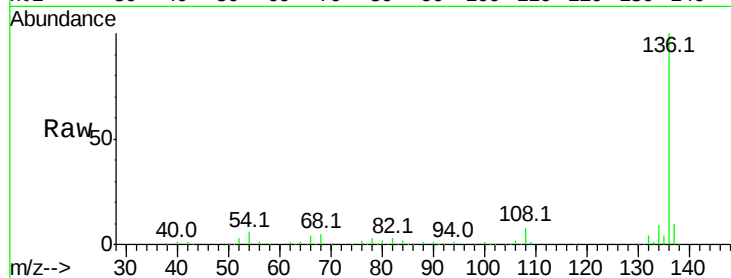
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 6.4 6.6 9.8#

68 5.4 5.0 7.4

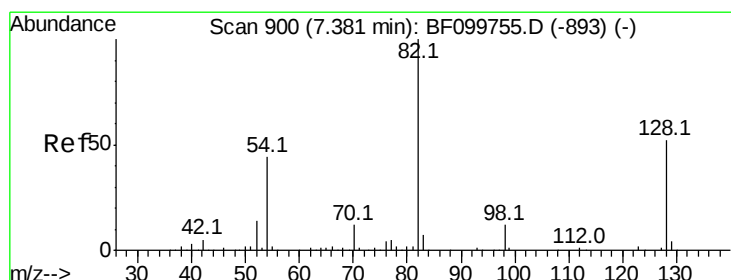
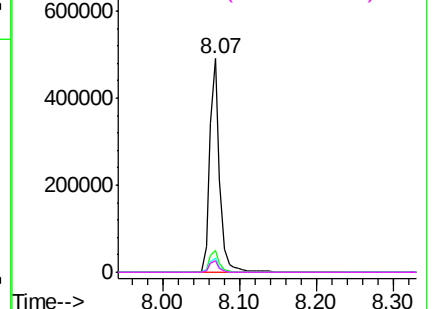
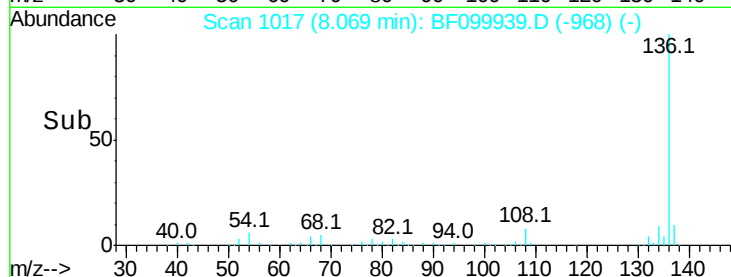


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.817 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF099939.D

Acq: 29 Oct 2017 3:17

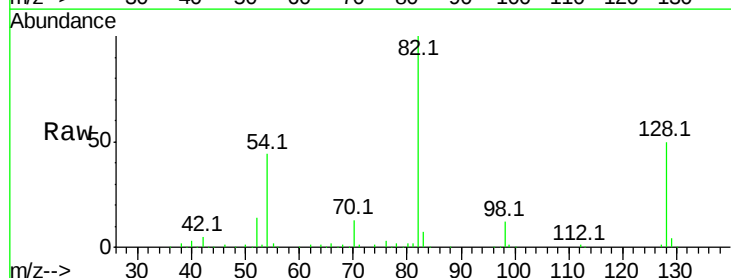
Tgt Ion: 82 Resp: 535579

Ion Ratio Lower Upper

82 100

128 50.3 36.1 54.1

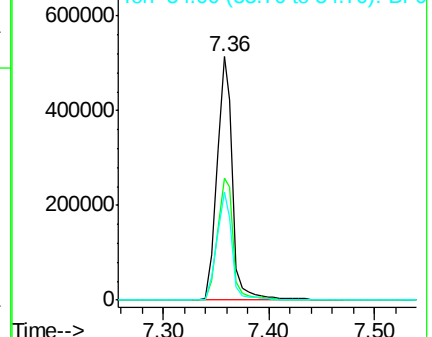
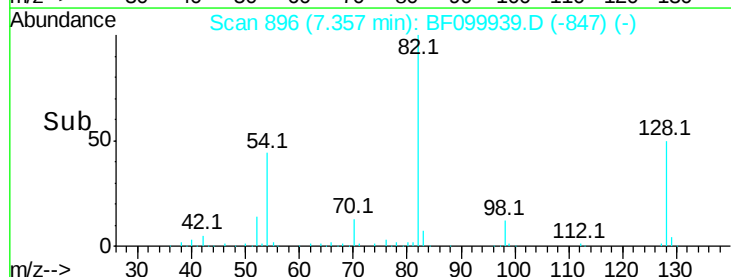
54 44.5 41.4 62.2

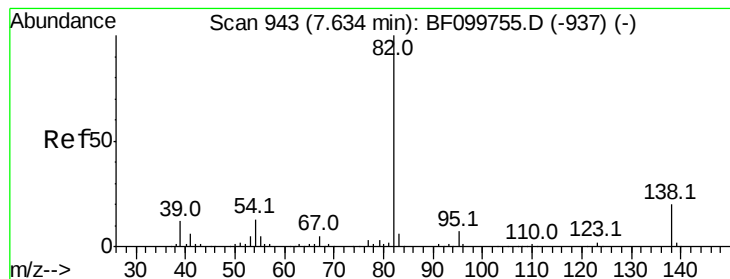


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 43.986 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF099939.D

Acq: 29 Oct 2017 3:17

Instrument :

BNA_F

ClientSampleId :

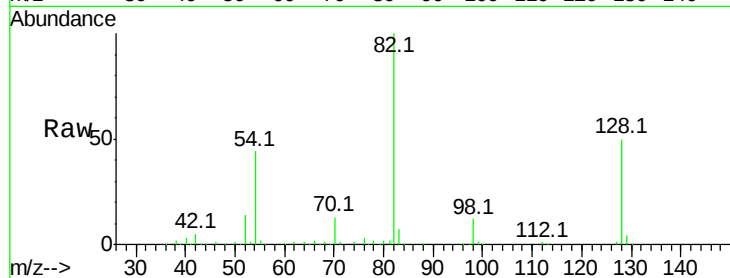
Tot Ion: 82 Resp: 535579

Ion Ratio Lower Upper

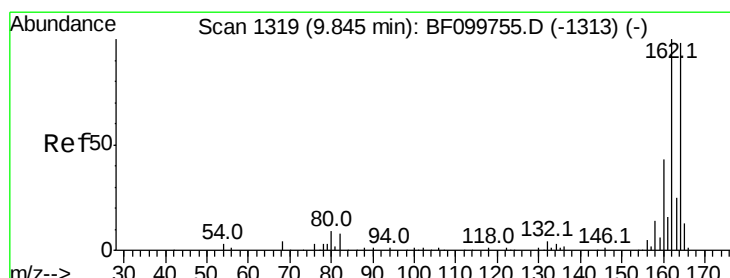
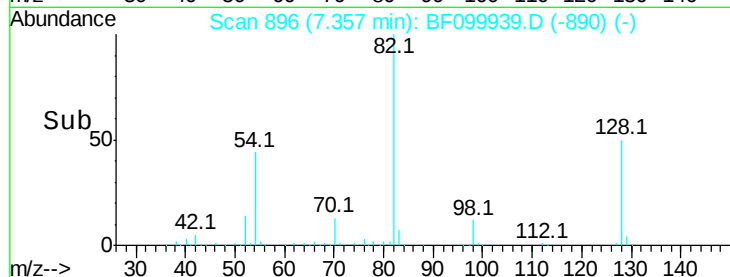
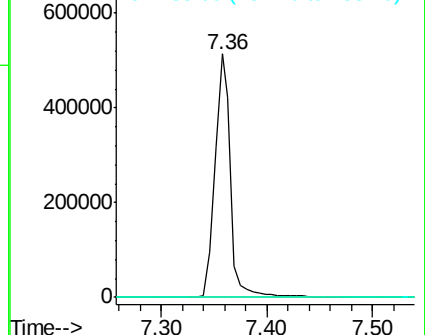
82 100

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: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.02 min

Lab File: BF099939.D

Acq: 29 Oct 2017 3:17

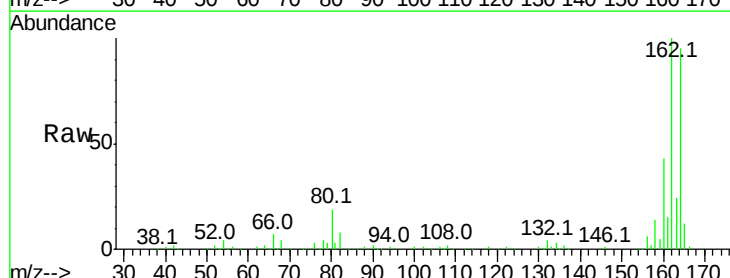
Tgt Ion:164 Resp: 177050

Ion Ratio Lower Upper

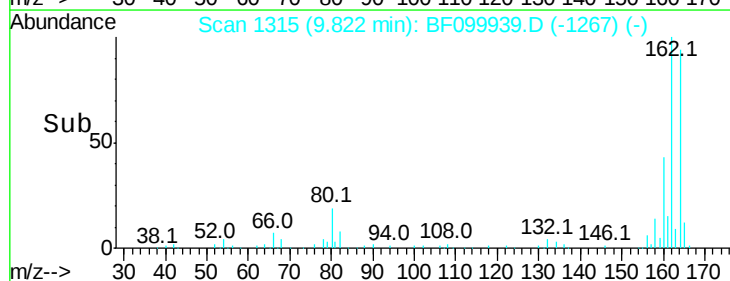
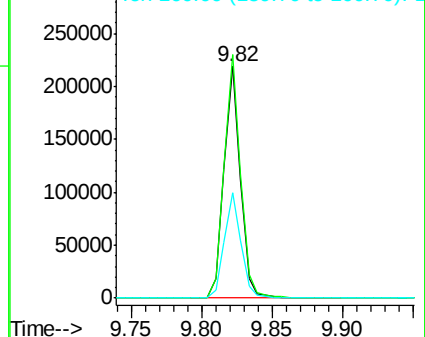
164 100

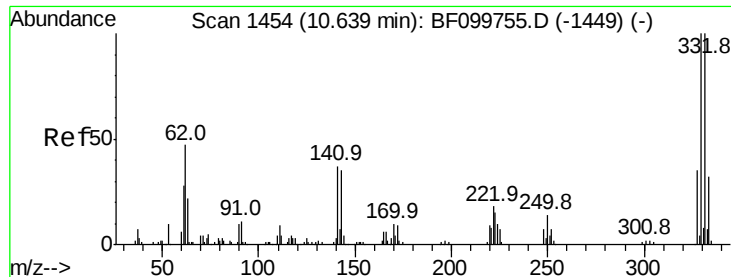
162 104.9 86.1 129.1

160 45.4 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

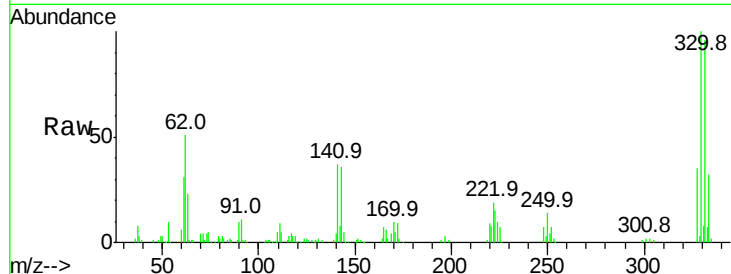




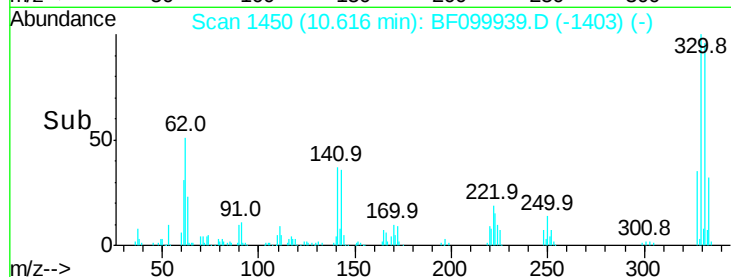
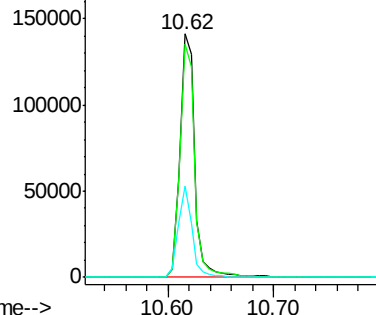
#41
 2,4,6-Tribromophenol
 Concen: 86.656 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.02 min
 Lab File: BF099939.D
 Acq: 29 Oct 2017 3:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	34.6	29.9	44.9

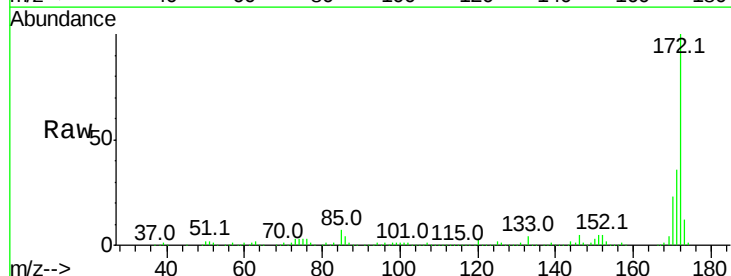


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

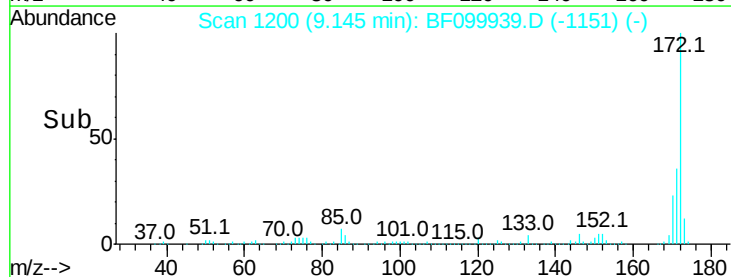
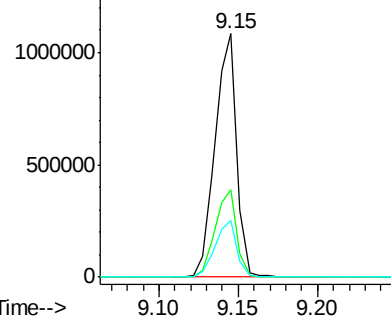


#44
 2-Fluorobiphenyl
 Concen: 88.915 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF099939.D
 Acq: 29 Oct 2017 3:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.4	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

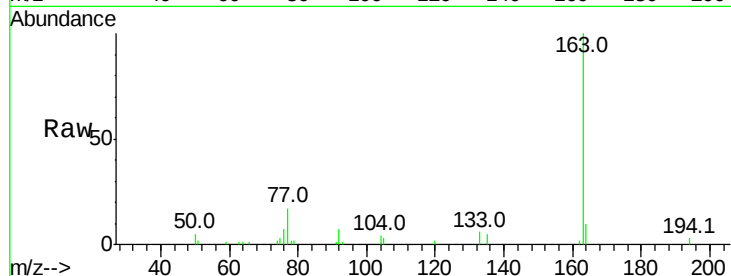




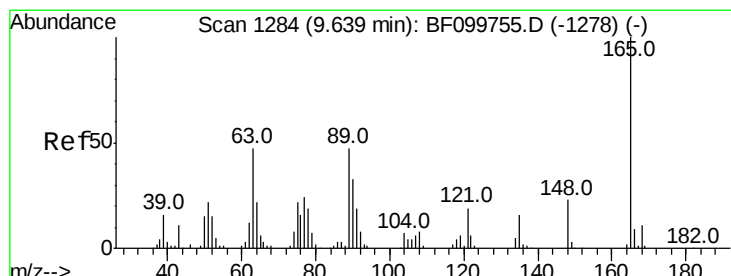
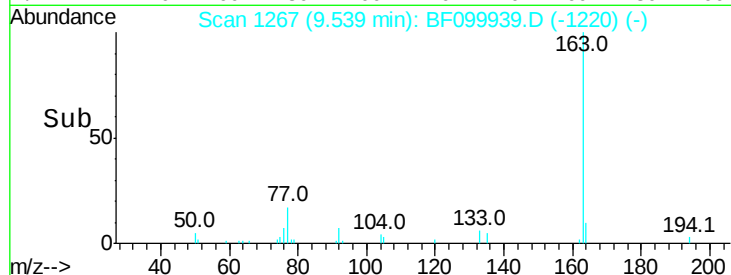
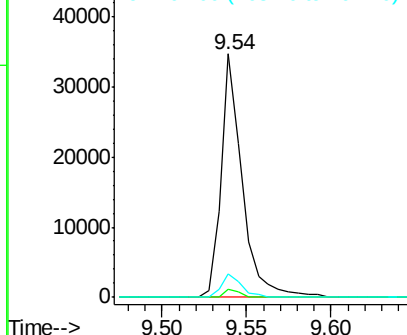
#49
 Dimethylphthalate
 Concen: 2.158 ng
 RT: 9.54 min Scan# 1267
 Delta R.T. -0.02 min
 Lab File: BF099939.D
 Acq: 29 Oct 2017 3:17

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:163 Resp: 30264
 Ion Ratio Lower Upper
 163 100
 194 3.1 2.7 4.1
 164 9.7 8.2 12.2

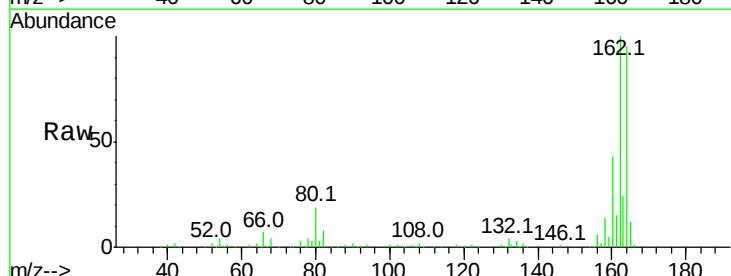


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

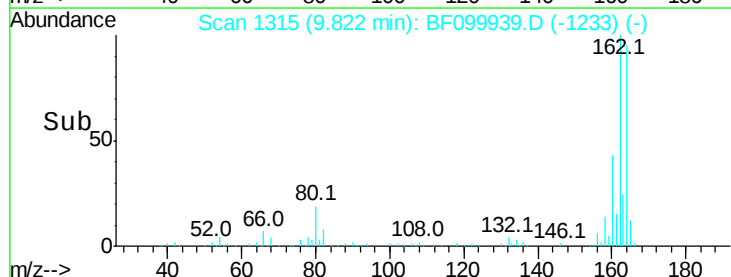
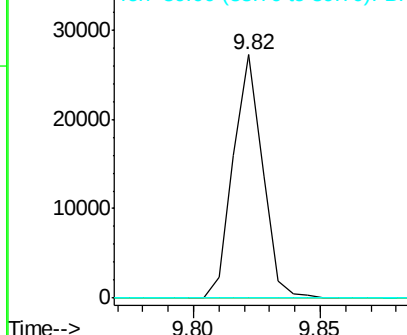


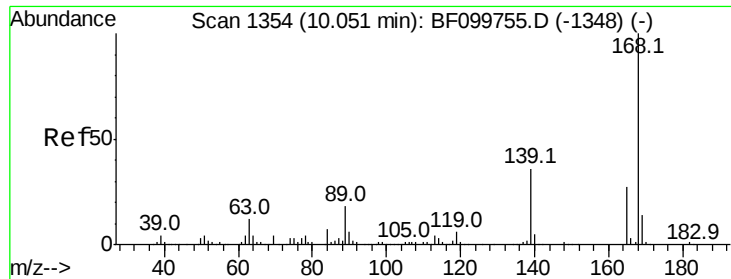
#50
 2,6-Dinitrotoluene
 Concen: 7.398 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.18 min
 Lab File: BF099939.D
 Acq: 29 Oct 2017 3:17

Tgt Ion:165 Resp: 21806
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#



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

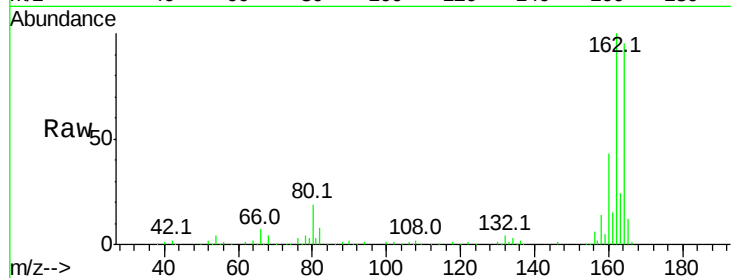




#56
 2,4-Dinitrotoluene
 Concen: 6.143 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.23 min
 Lab File: BF099939.D
 Acq: 29 Oct 2017 3:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	21806
Ion Ratio	Lower	Upper	
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

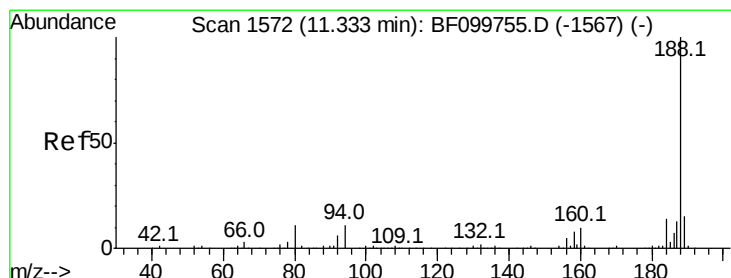
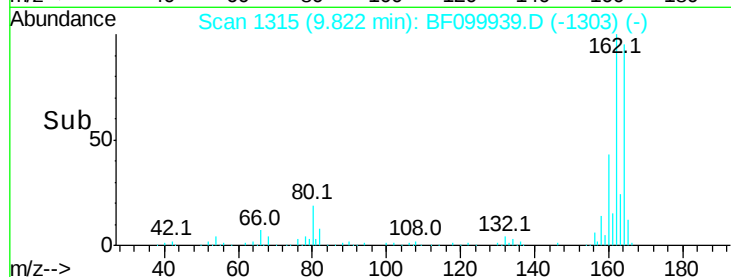
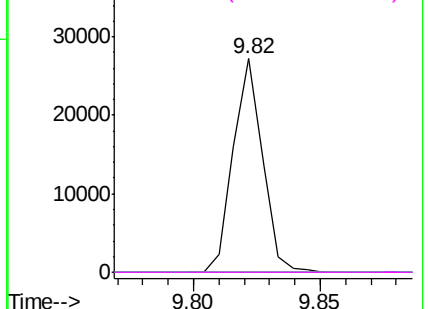


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

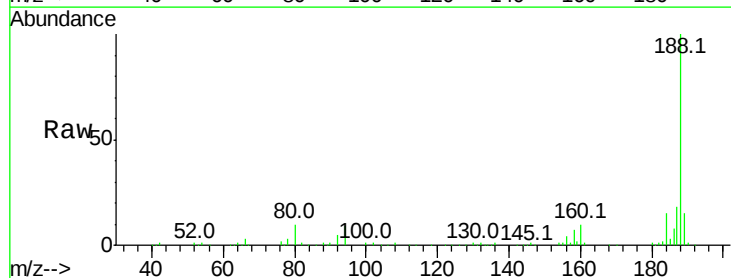
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.02 min
 Lab File: BF099939.D
 Acq: 29 Oct 2017 3:17

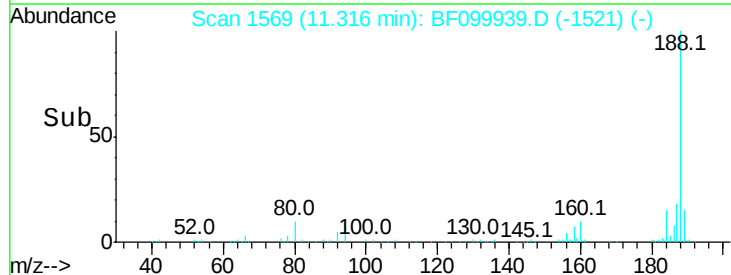
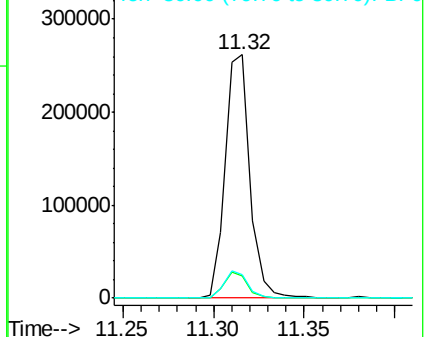
Tgt Ion:	188	Resp:	249643
Ion Ratio	Lower	Upper	
188	100		
94	9.2	8.5	12.7
80	9.5	9.2	13.8



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

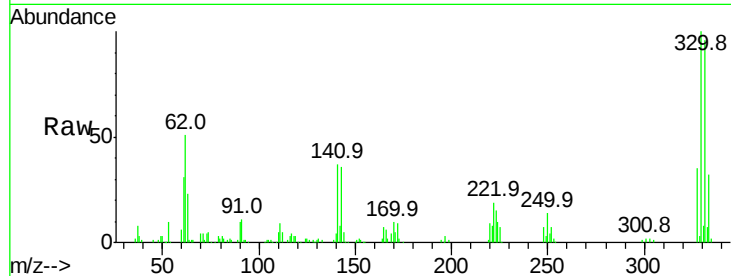




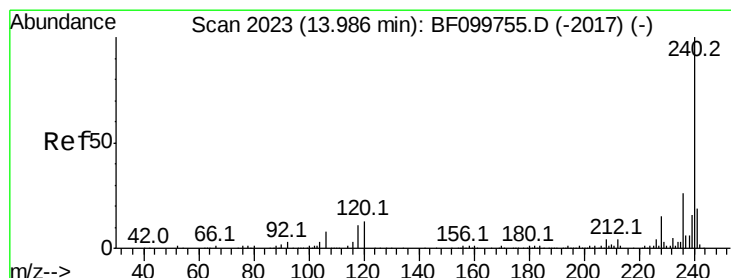
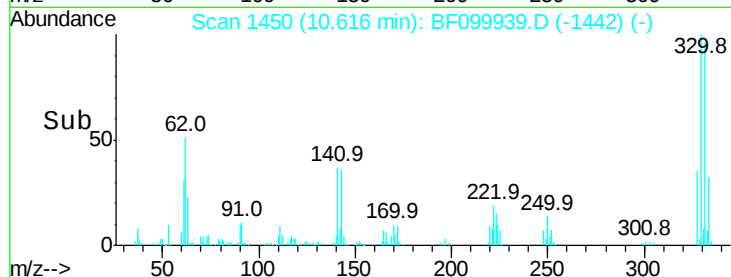
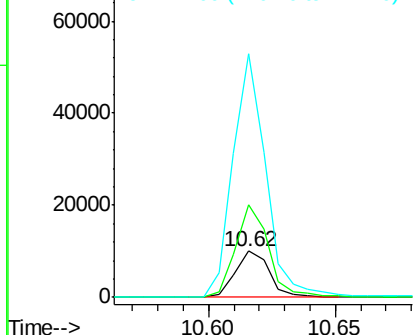
#66
4-Bromophenyl-phenylether
Concen: 3.533 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.25 min
Lab File: BF099939.D
Acq: 29 Oct 2017 3:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9285
Ion Ratio Lower Upper
248 100
250 198.6 76.9 115.3#
141 525.3 74.4 111.6#

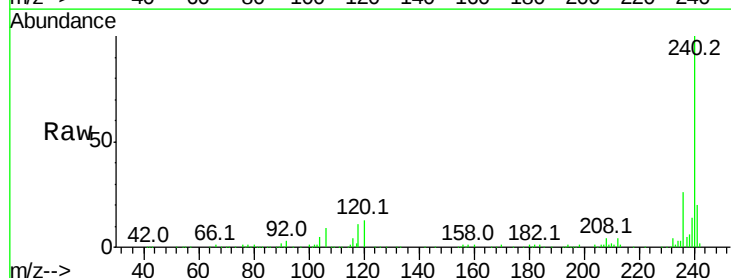


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

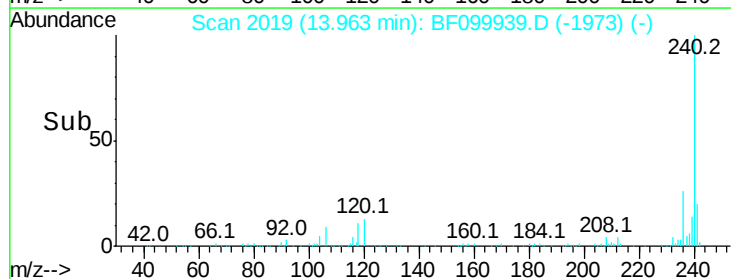
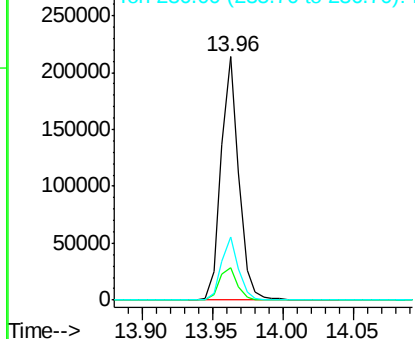


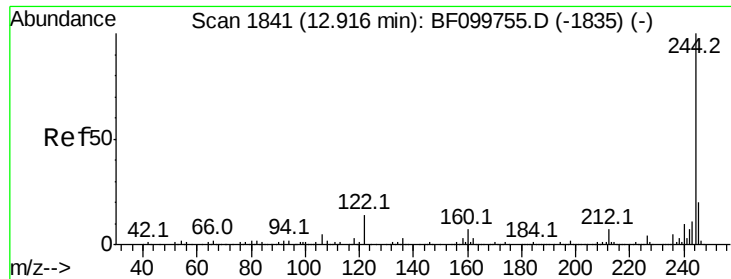
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.03 min
Lab File: BF099939.D
Acq: 29 Oct 2017 3:17

Tgt Ion:240 Resp: 186876
Ion Ratio Lower Upper
240 100
120 13.1 9.5 14.3
236 26.1 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: 73.042 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.02 min

Lab File: BF099939.D

Acq: 29 Oct 2017 3:17

Instrument :

BNA_F

ClientSampleId :

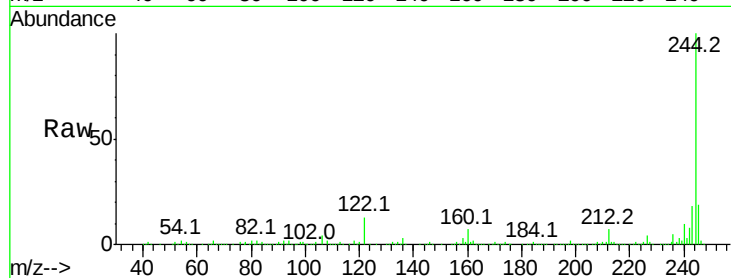
Tot Ion:244 Resp: 624598

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

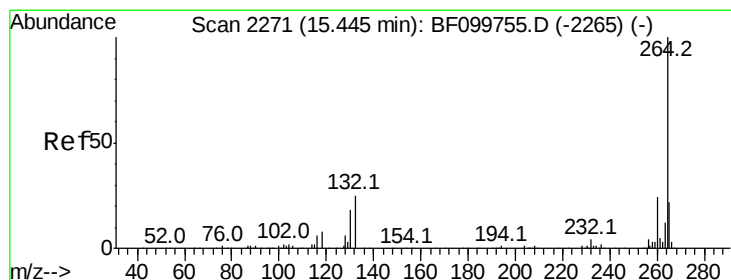
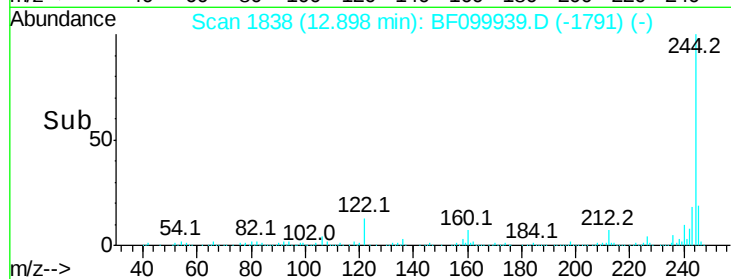
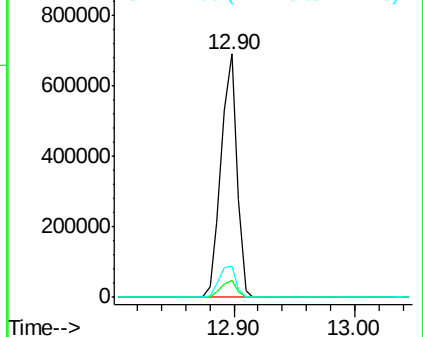
122 12.8 11.0 16.4



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: BF099939.D

Acq: 29 Oct 2017 3:17

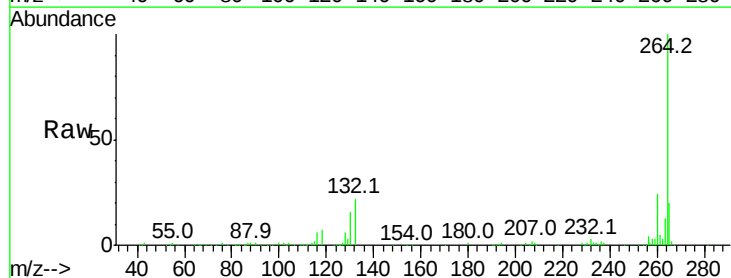
Tgt Ion:264 Resp: 184697

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 20.5 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

