

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
 Data File : BF099903.D
 Acq On : 28 Oct 2017 4:16
 Operator : SJ/JU
 Sample : I6029-18
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 28 05:50:20 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

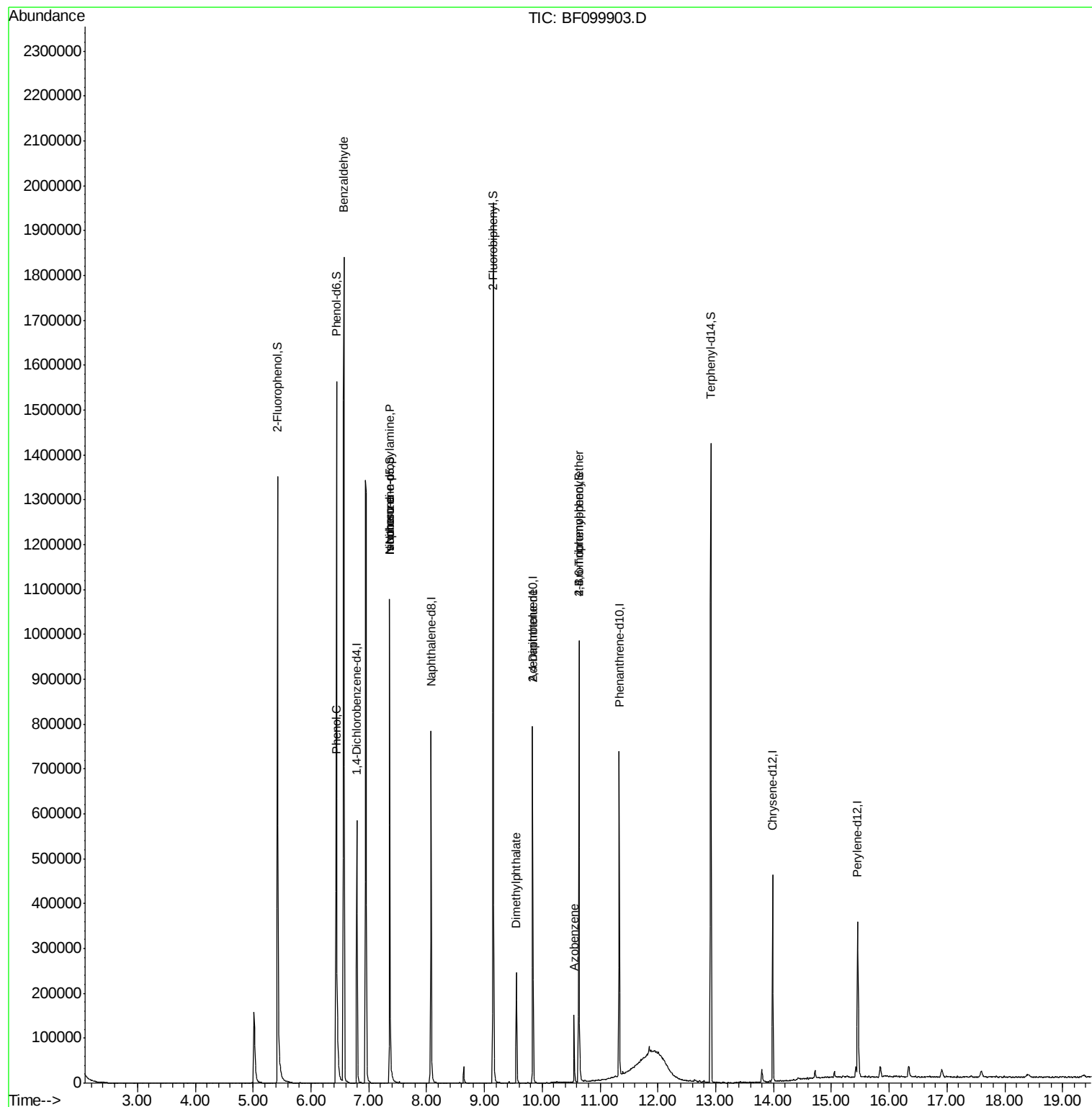
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	92895	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	379238	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	170349	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	271384	20.00	ng	0.00
75) Chrysene-d12	13.99	240	165732	20.00	ng	0.00
86) Perylene-d12	15.46	264	171048	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	539082	91.11	ng	0.00
7) Phenol-d6	6.44	99	637002	90.79	ng	0.00
23) Nitrobenzene-d5	7.36	82	358548	60.87	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	123753	79.72	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	704400	63.80	ng	0.00
78) Terphenyl-d14	12.92	244	449673	59.29	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.57	77	9680	2.31	ng	95
10) Phenol	6.45	94	34491	4.48	ng	94
19) n-Nitroso-di-n-propylamine	7.36	70	44049	10.71	ng	# 72
25) Isophorone	7.36	82	358548	33.54	ng	# 64
49) Dimethylphthalate	9.55	163	111252	8.25	ng	98
56) 2,4-Dinitrotoluene	9.83	165	20904	6.12	ng	# 22
62) Azobenzene	10.55	77	23878	2.16	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	7887	2.76	ng	# 1

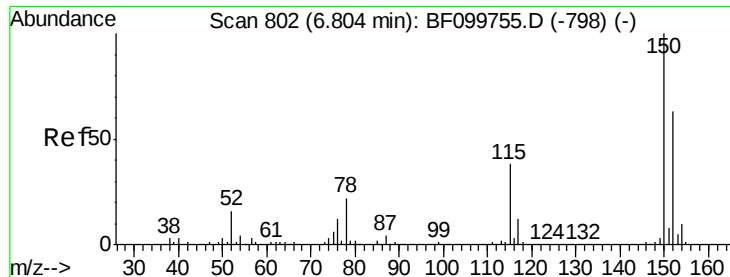
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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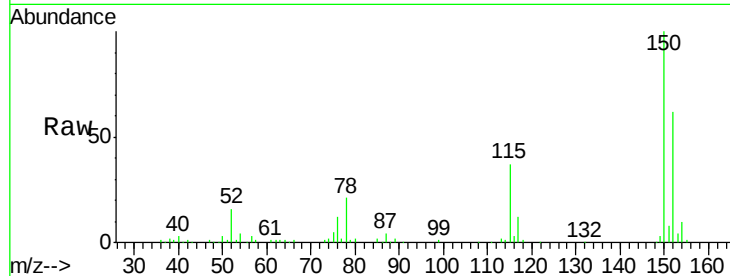


#1

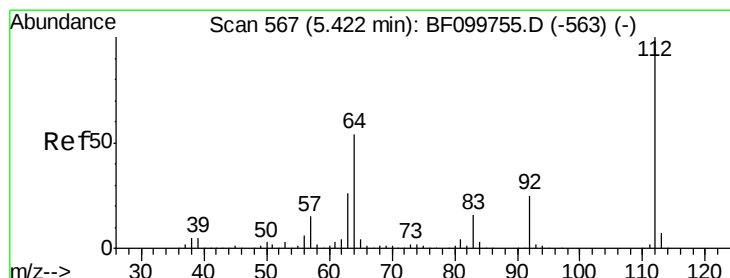
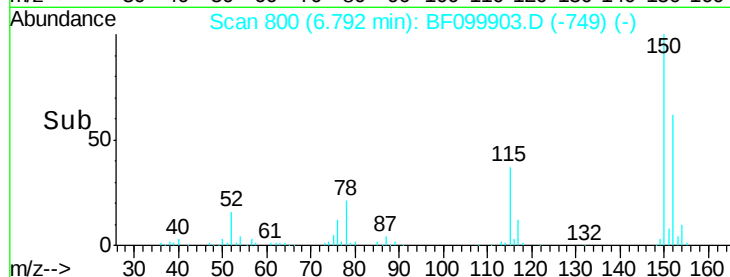
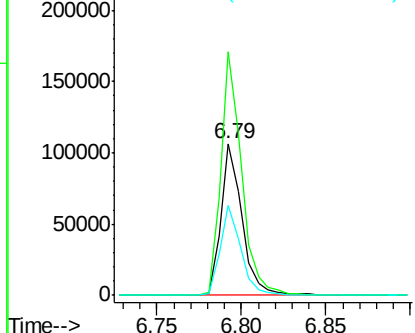
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF099903.D
Acq: 28 Oct 2017 4:16

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 92895
Ion Ratio Lower Upper
152 100
150 160.2 124.6 186.8
115 59.0 50.1 75.1



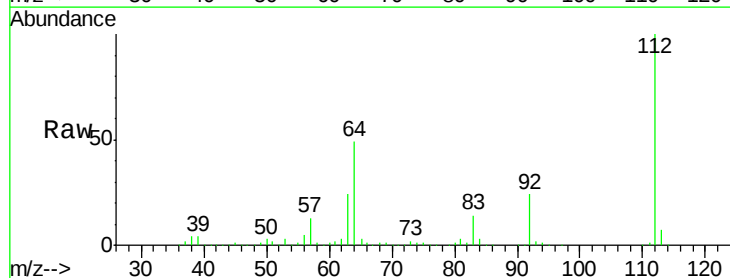
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



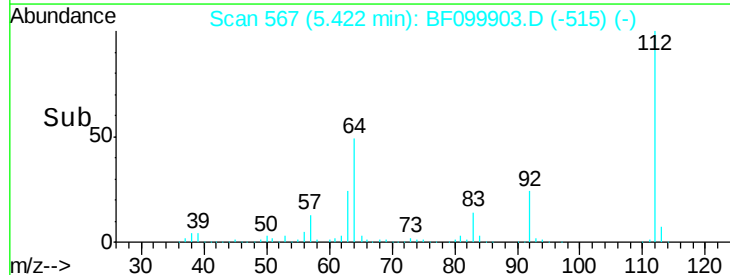
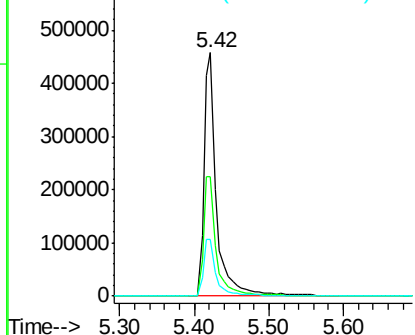
#5

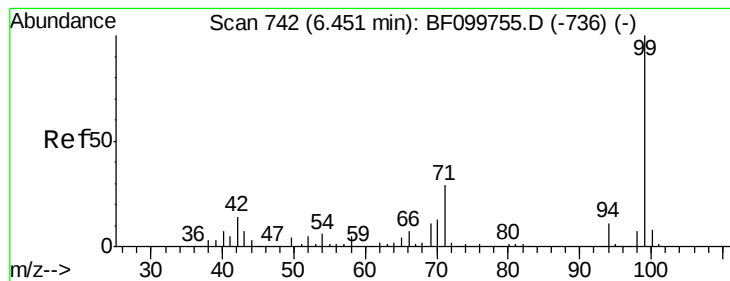
2-Fluorophenol
Concen: 91.11 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF099903.D
Acq: 28 Oct 2017 4:16

Tgt Ion:112 Resp: 539082
Ion Ratio Lower Upper
112 100
64 49.1 47.9 71.9
63 23.6 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: 90.79 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF099903.D

Acq: 28 Oct 2017 4:16

Instrument :

BNA_F

ClientSampleId :

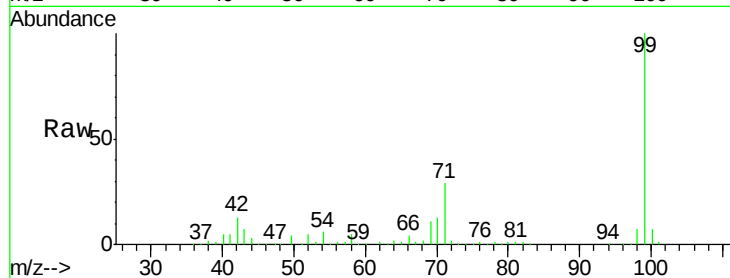
Tot Ion: 99 Resp: 637002

Ion Ratio Lower Upper

99 100

42 13.0 14.5 21.7#

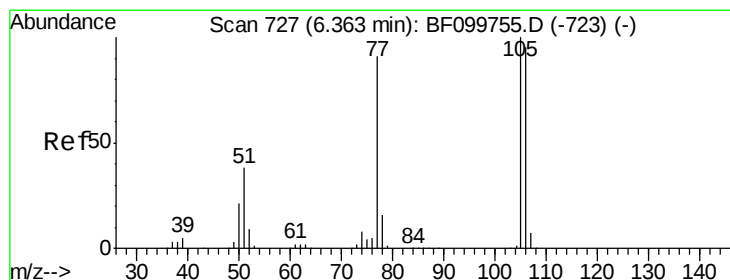
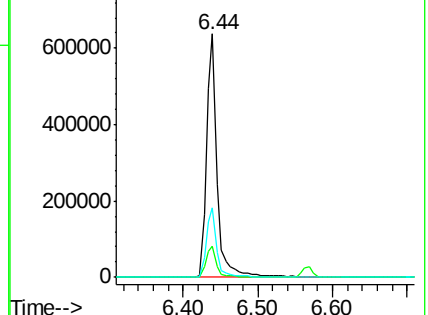
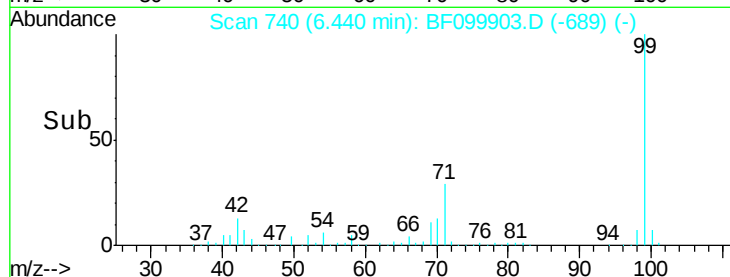
71 28.7 25.4 38.0



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: 2.31 ng

RT: 6.57 min Scan# 762

Delta R.T. 0.21 min

Lab File: BF099903.D

Acq: 28 Oct 2017 4:16

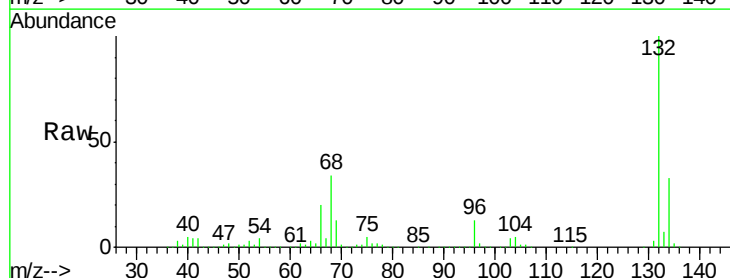
Tgt Ion: 77 Resp: 9680

Ion Ratio Lower Upper

77 100

105 92.8 81.1 121.1

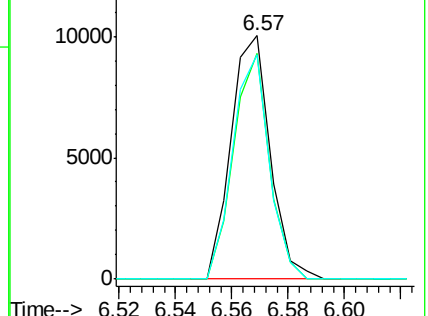
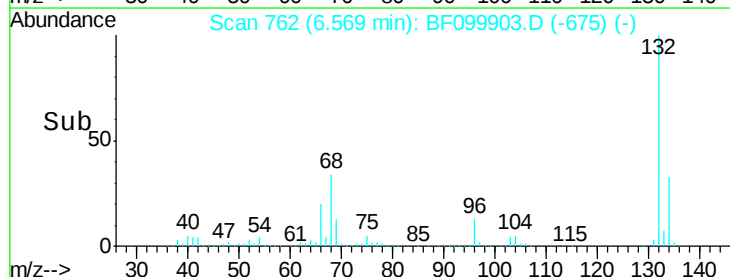
106 92.2 74.5 114.5

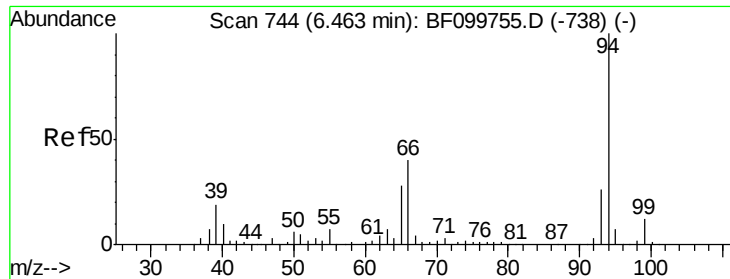


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 4.48 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF099903.D

Acq: 28 Oct 2017 4:16

Instrument :

BNA_F

ClientSampleId :

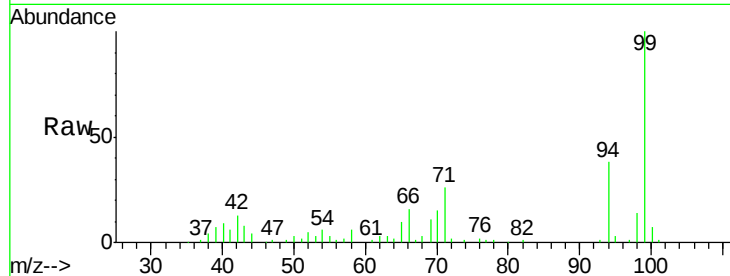
Tot Ion: 94 Resp: 34491

Ion Ratio Lower Upper

94 100

65 27.3 7.9 47.9

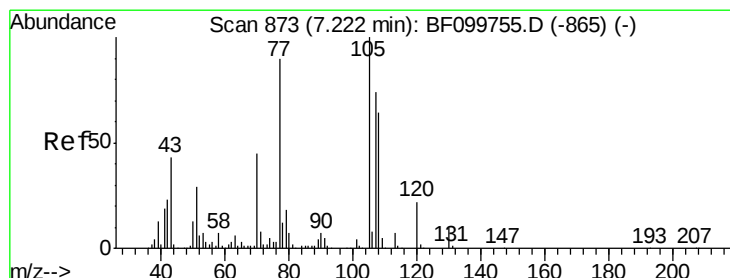
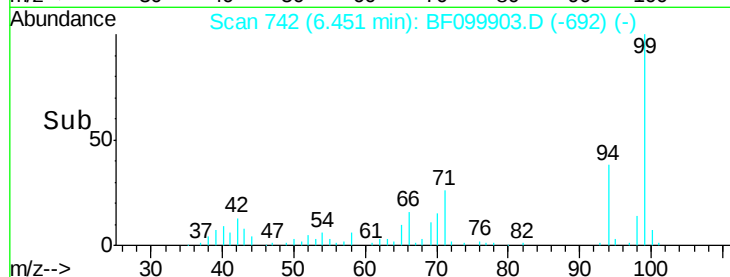
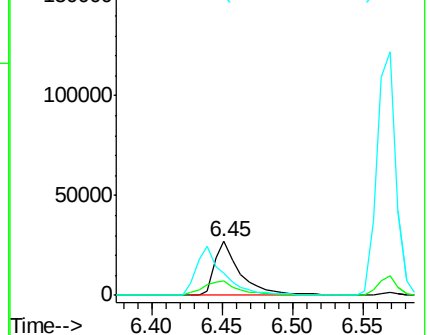
66 42.1 16.2 56.2



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: 10.71 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF099903.D

Acq: 28 Oct 2017 4:16

Tgt Ion: 70 Resp: 44049

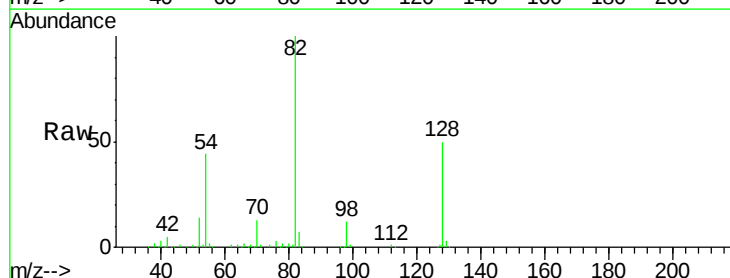
Ion Ratio Lower Upper

70 100

42 40.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.8 16.6 25.0#

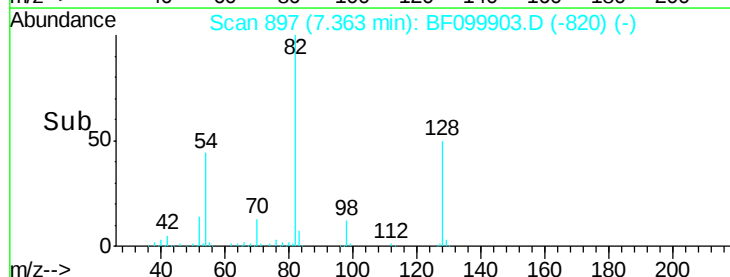
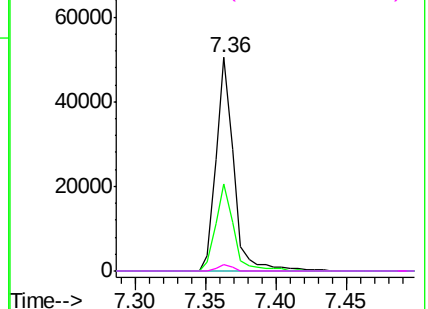


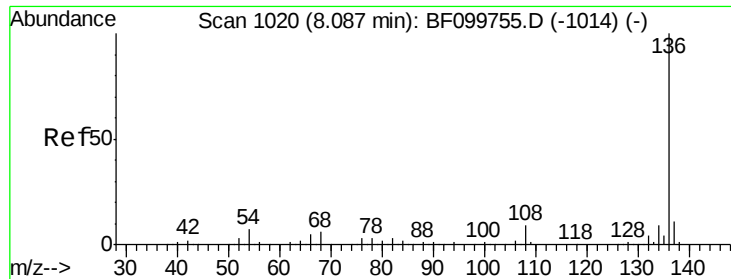
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

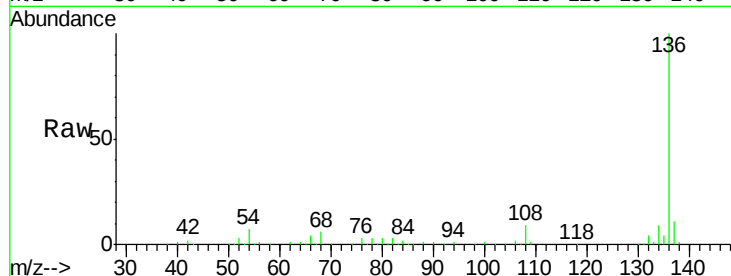




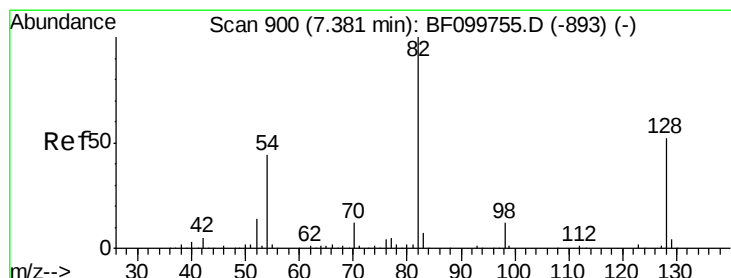
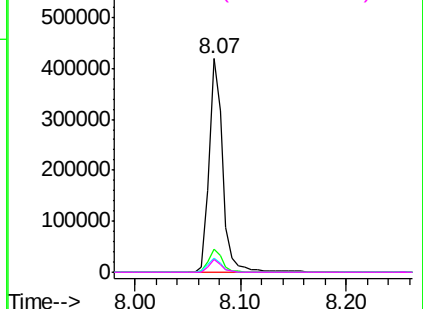
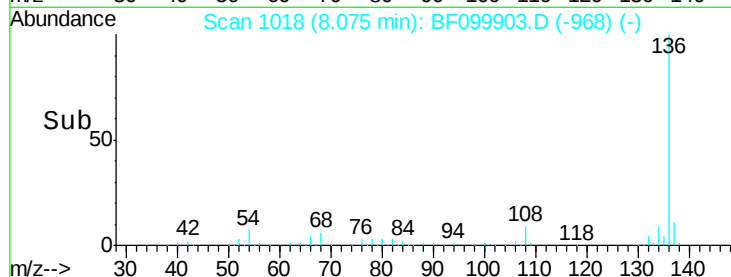
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF099903.D
Acq: 28 Oct 2017 4:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	379238
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	6.7	6.6 9.8
68	5.8	5.0 7.4

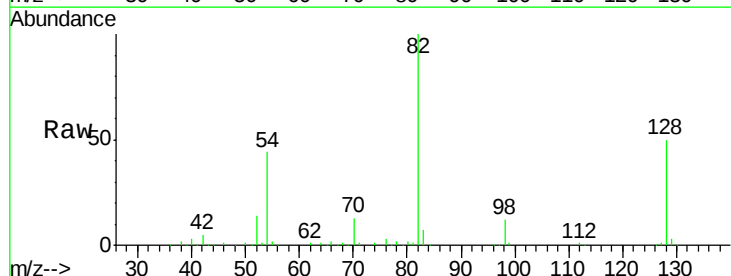


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

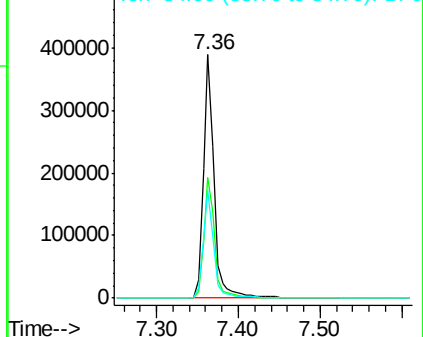
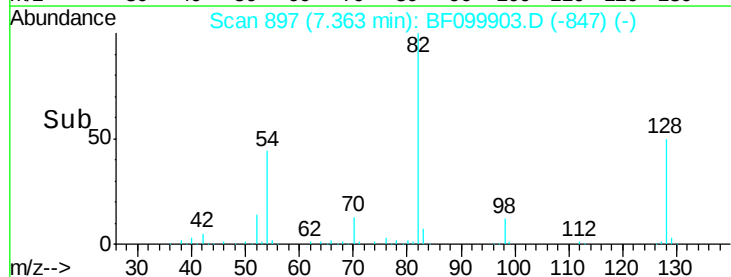


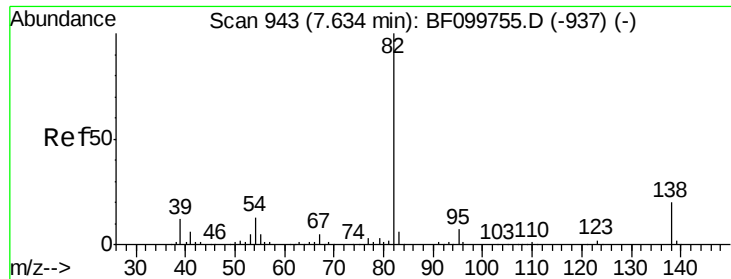
#23
Nitrobenzene-d5
Concen: 60.87 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF099903.D
Acq: 28 Oct 2017 4:16

Tgt Ion: 82	Resp:	358548
Ion Ratio	Lower	Upper
82	100	
128	49.6	36.1 54.1
54	44.3	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: 33.54 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF099903.D

Acq: 28 Oct 2017 4:16

Instrument :

BNA_F

ClientSampleId :

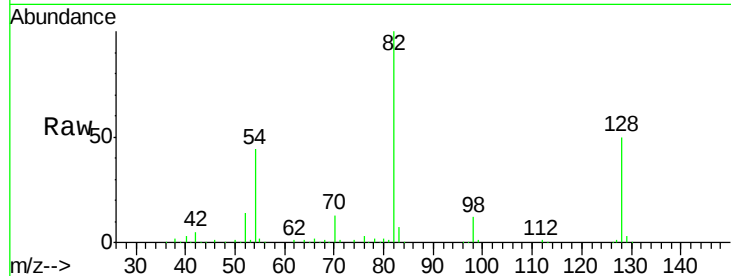
Tot Ion: 82 Resp: 358548

Ion Ratio Lower Upper

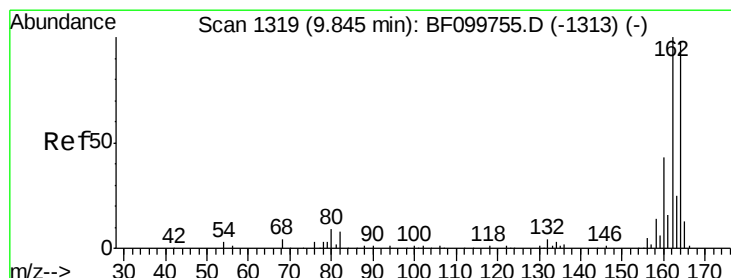
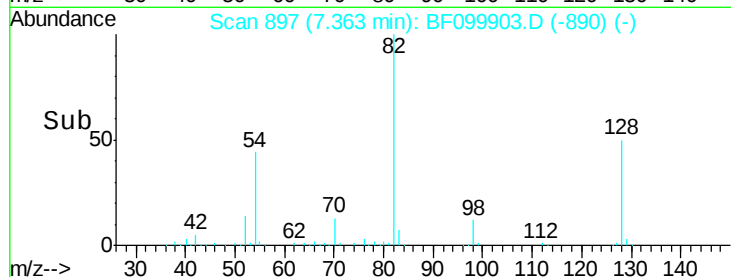
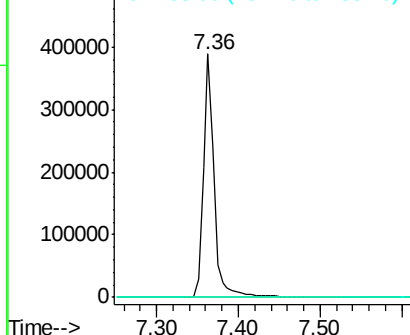
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF099903.D

Acq: 28 Oct 2017 4:16

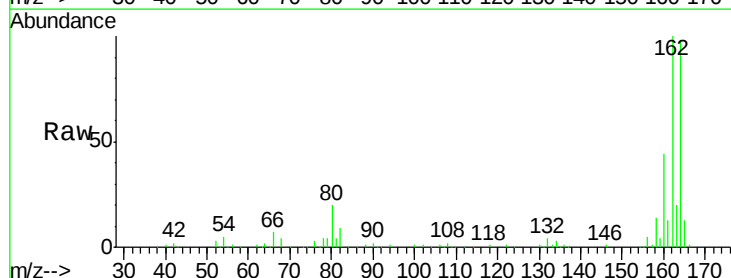
Tgt Ion: 164 Resp: 170349

Ion Ratio Lower Upper

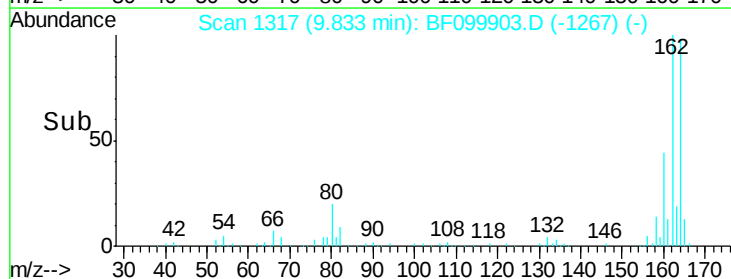
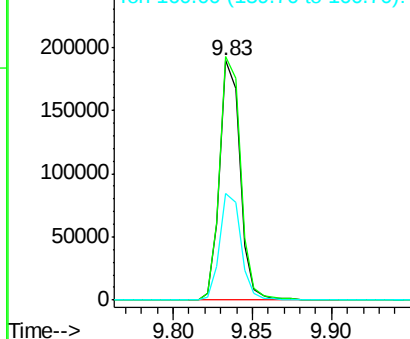
164 100

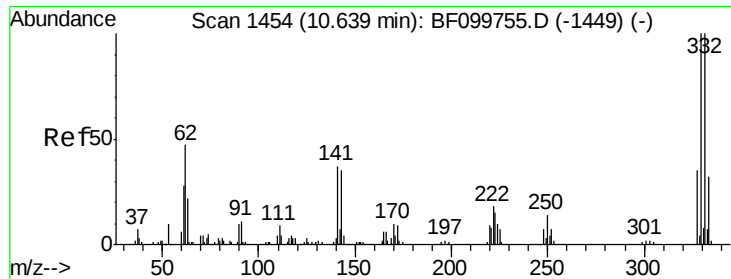
162 101.8 86.1 129.1

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

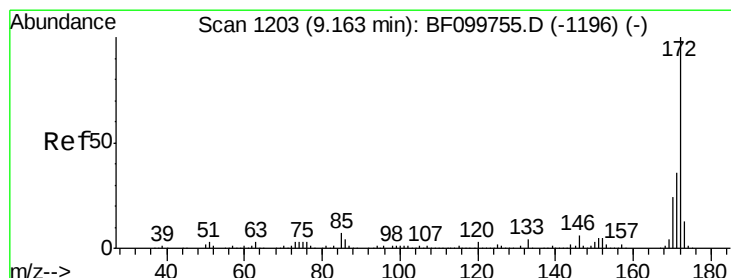
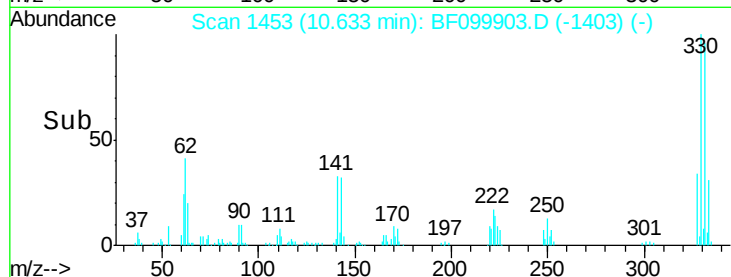
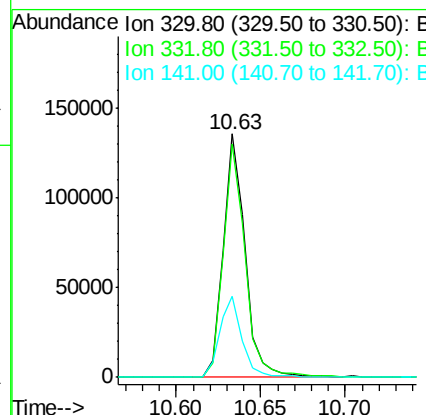
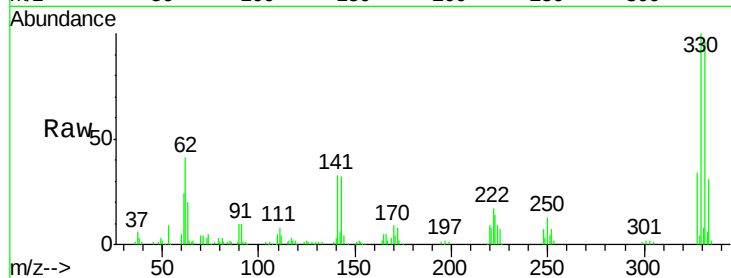




#41
 2,4,6-Tribromophenol
 Concen: 79.72 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF099903.D
 Acq: 28 Oct 2017 4:16

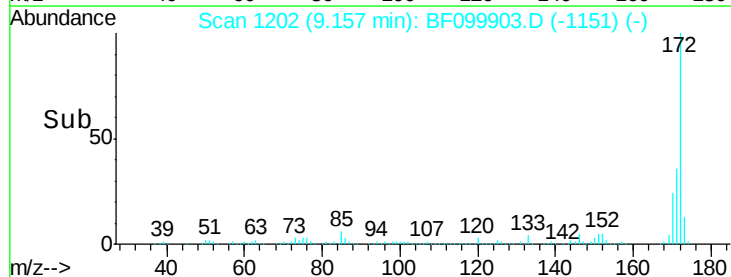
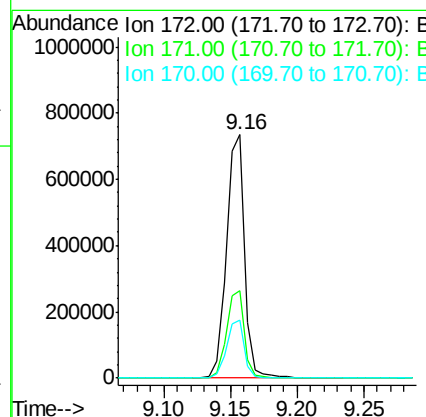
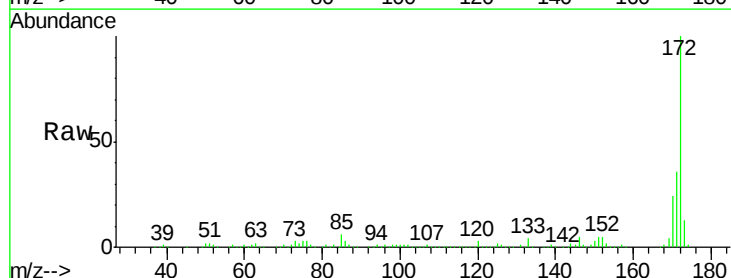
Instrument :
 BNA_F
 ClientSampleId :

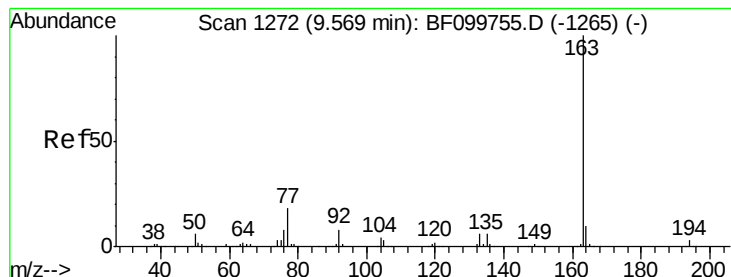
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	34.2	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 63.80 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: BF099903.D
 Acq: 28 Oct 2017 4:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.7	19.6	29.4





#49

Dimethylphthalate

Concen: 8.25 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF099903.D

Acq: 28 Oct 2017 4:16

Instrument :

BNA_F

ClientSampleId :

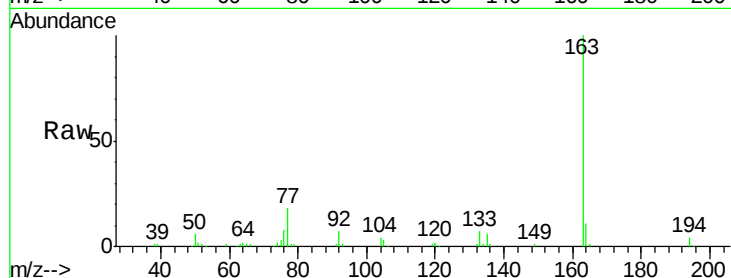
Tot Ion:163 Resp: 111252

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

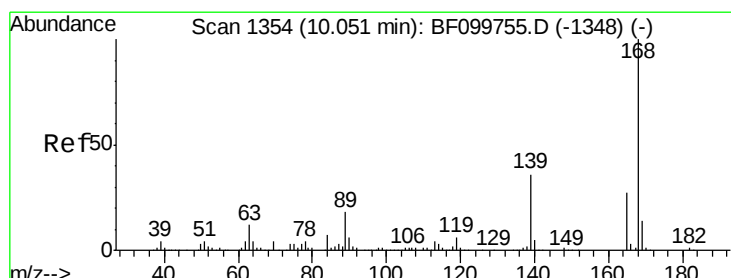
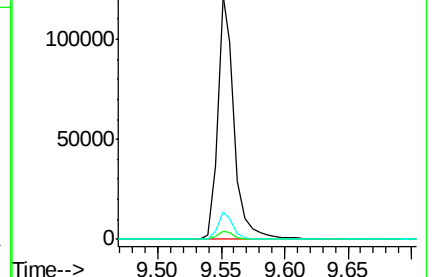
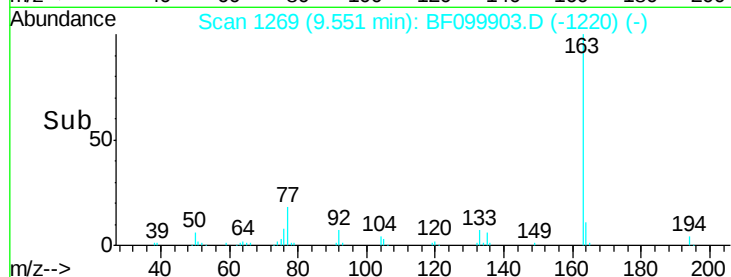
164 11.0 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.12 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.22 min

Lab File: BF099903.D

Acq: 28 Oct 2017 4:16

Tgt Ion:165 Resp: 20904

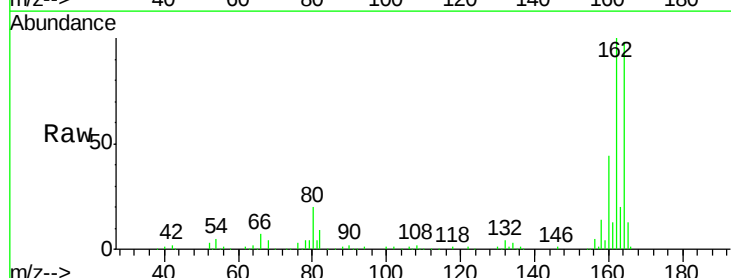
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

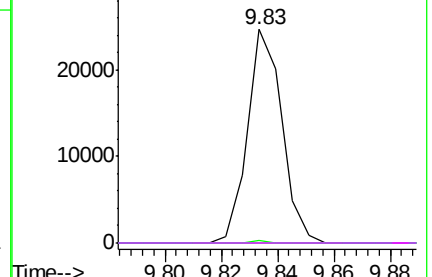
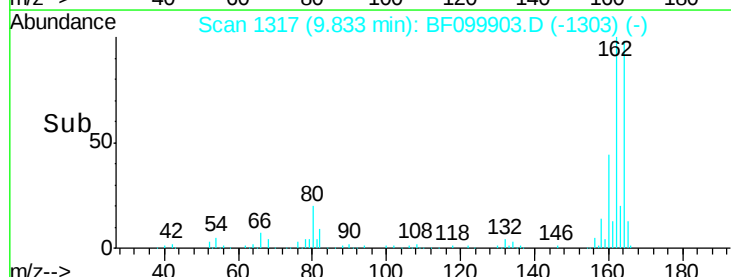


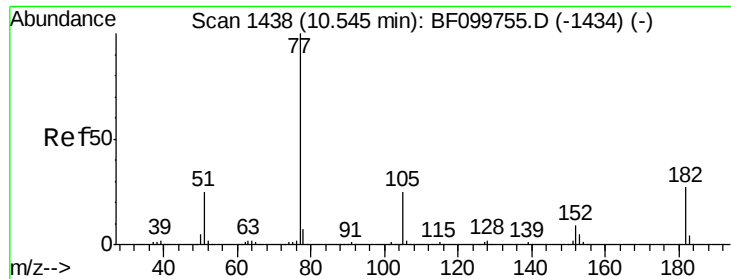
Abundance Ion 165.00 (164.70 to 165.70): E

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





#62

Azobenzene

Concen: 2.16 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.01 min

Lab File: BF099903.D

Acq: 28 Oct 2017 4:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 23878

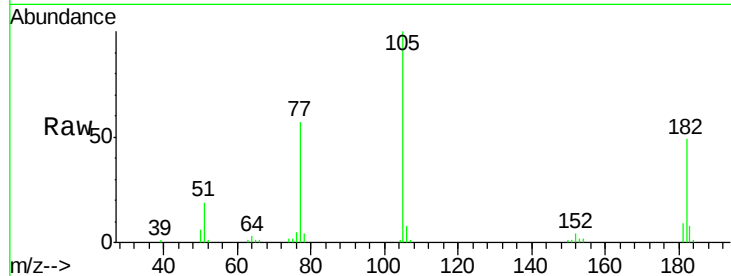
Ion Ratio Lower Upper

77 100

182 86.0 1.7 41.7#

105 177.0 3.0 43.0#

51 34.4 9.9 49.9

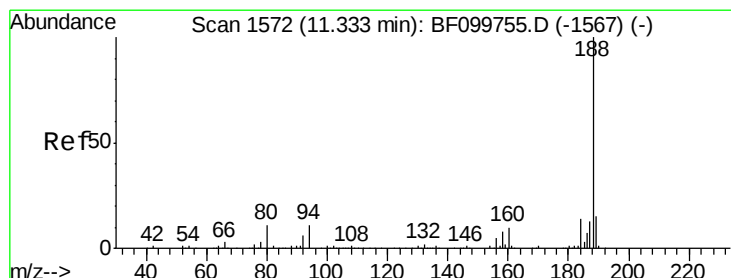
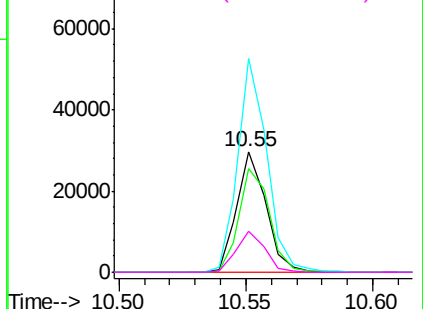
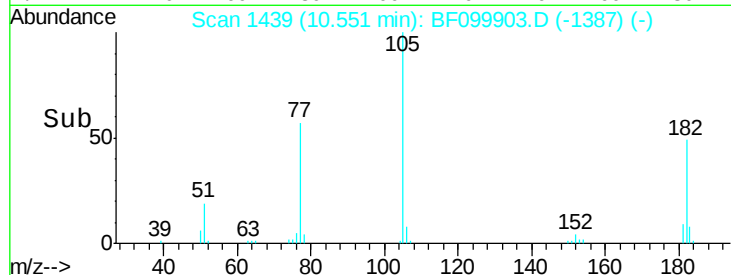


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 20.00 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF099903.D

Acq: 28 Oct 2017 4:16

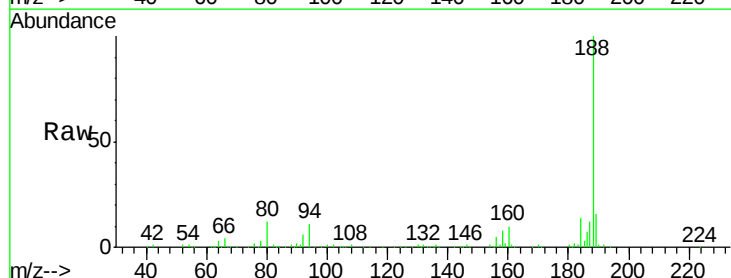
Tgt Ion: 188 Resp: 271384

Ion Ratio Lower Upper

188 100

94 11.0 8.5 12.7

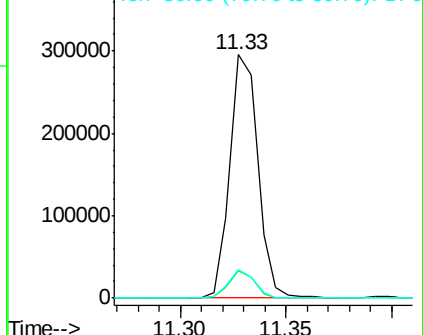
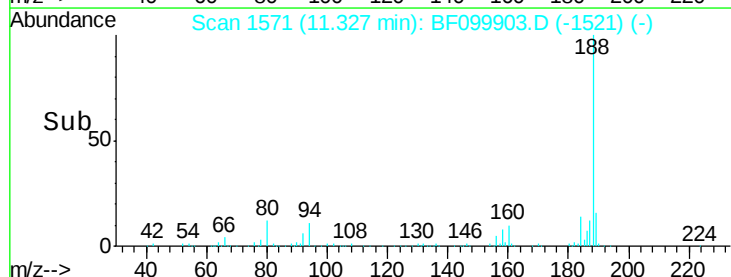
80 11.8 9.2 13.8

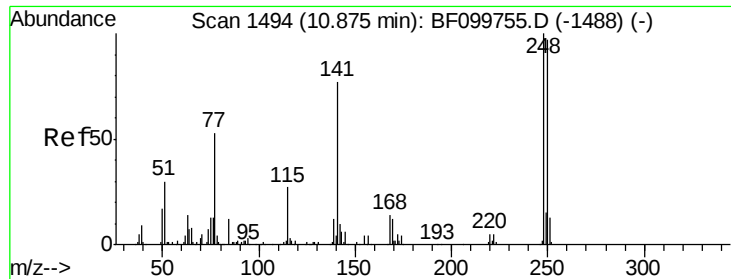


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

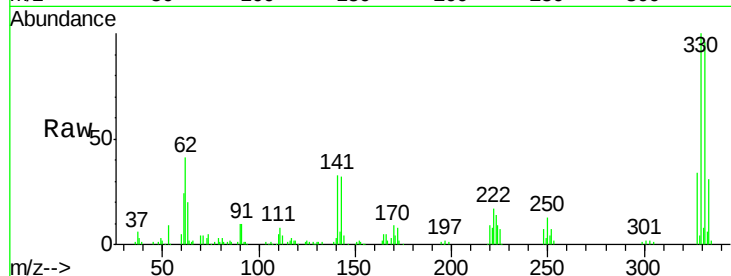




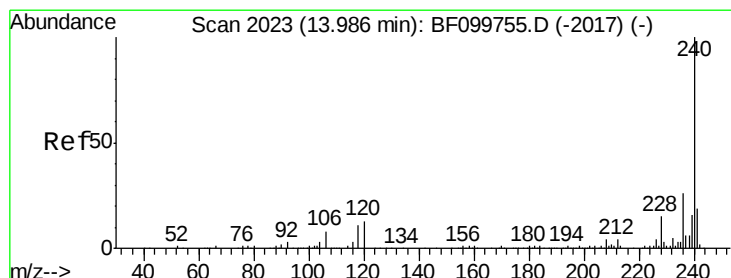
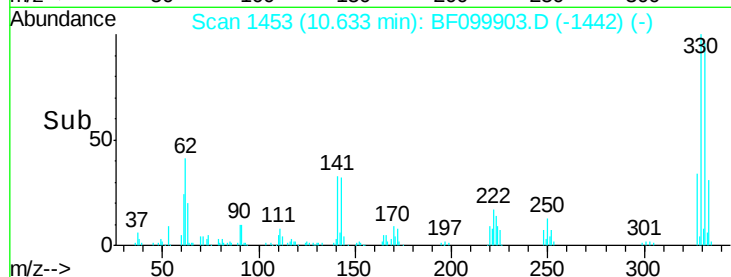
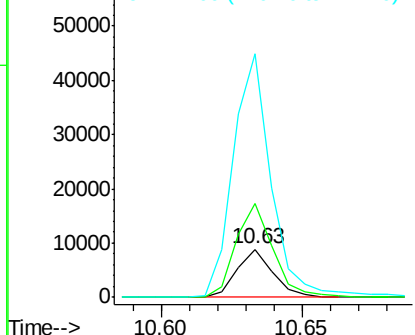
#66
4-Bromophenyl-phenylether
Concen: 2.76 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.24 min
Lab File: BF099903.D
Acq: 28 Oct 2017 4:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 7887
Ion Ratio Lower Upper
248 100
250 193.6 76.9 115.3#
141 505.6 74.4 111.6#

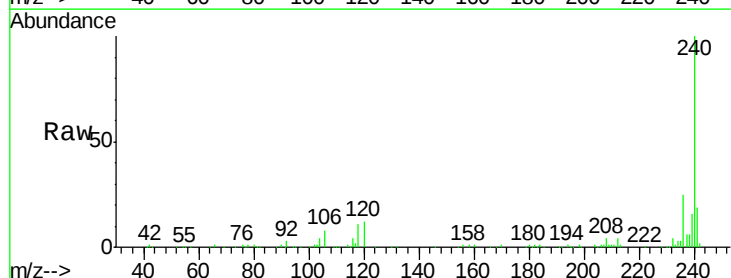


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

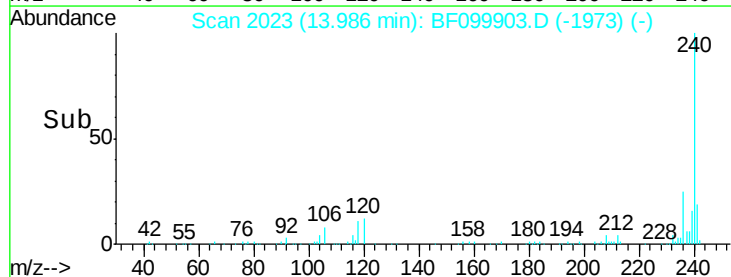
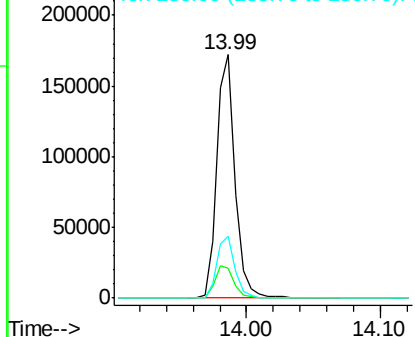


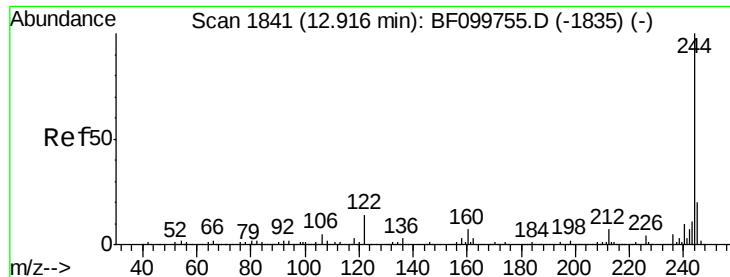
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF099903.D
Acq: 28 Oct 2017 4:16

Tgt Ion:240 Resp: 165732
Ion Ratio Lower Upper
240 100
120 12.3 9.5 14.3
236 25.3 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

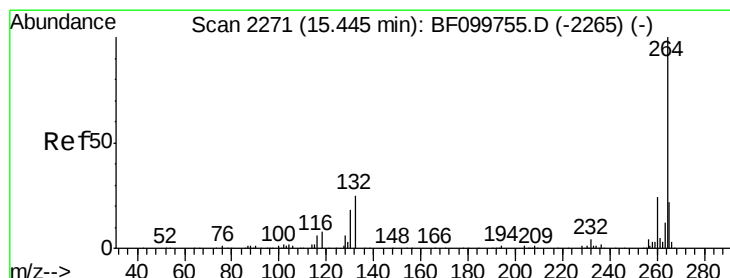
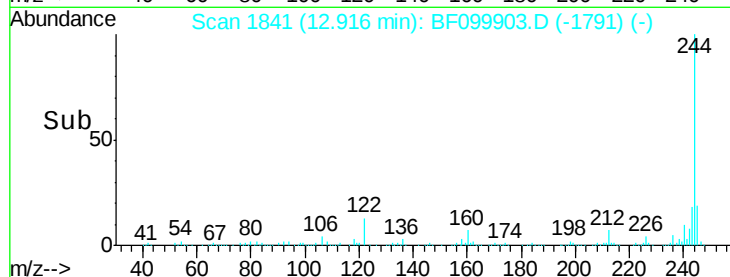
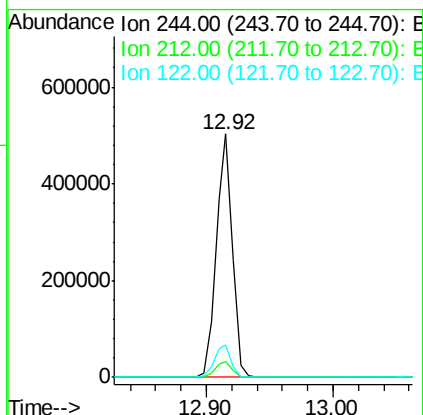
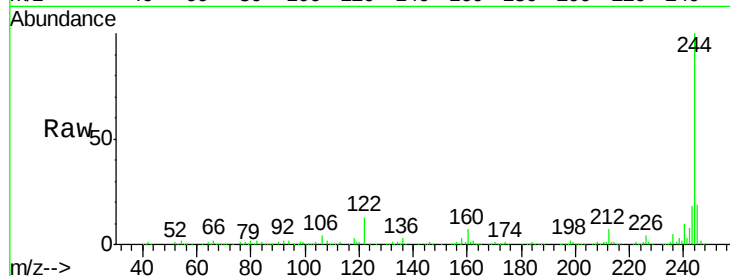




#78
 Terphenyl-d14
 Concen: 59.29 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF099903.D
 Acq: 28 Oct 2017 4:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 449673
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 13.4 11.0 16.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: BF099903.D
 Acq: 28 Oct 2017 4:16

Tgt Ion:264 Resp: 171048
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.2 28.8
 265 21.5 17.5 26.3

