

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
 Data File : BF099907.D
 Acq On : 28 Oct 2017 6:05
 Operator : SJ/JU
 Sample : I6029-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 01:36:28 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

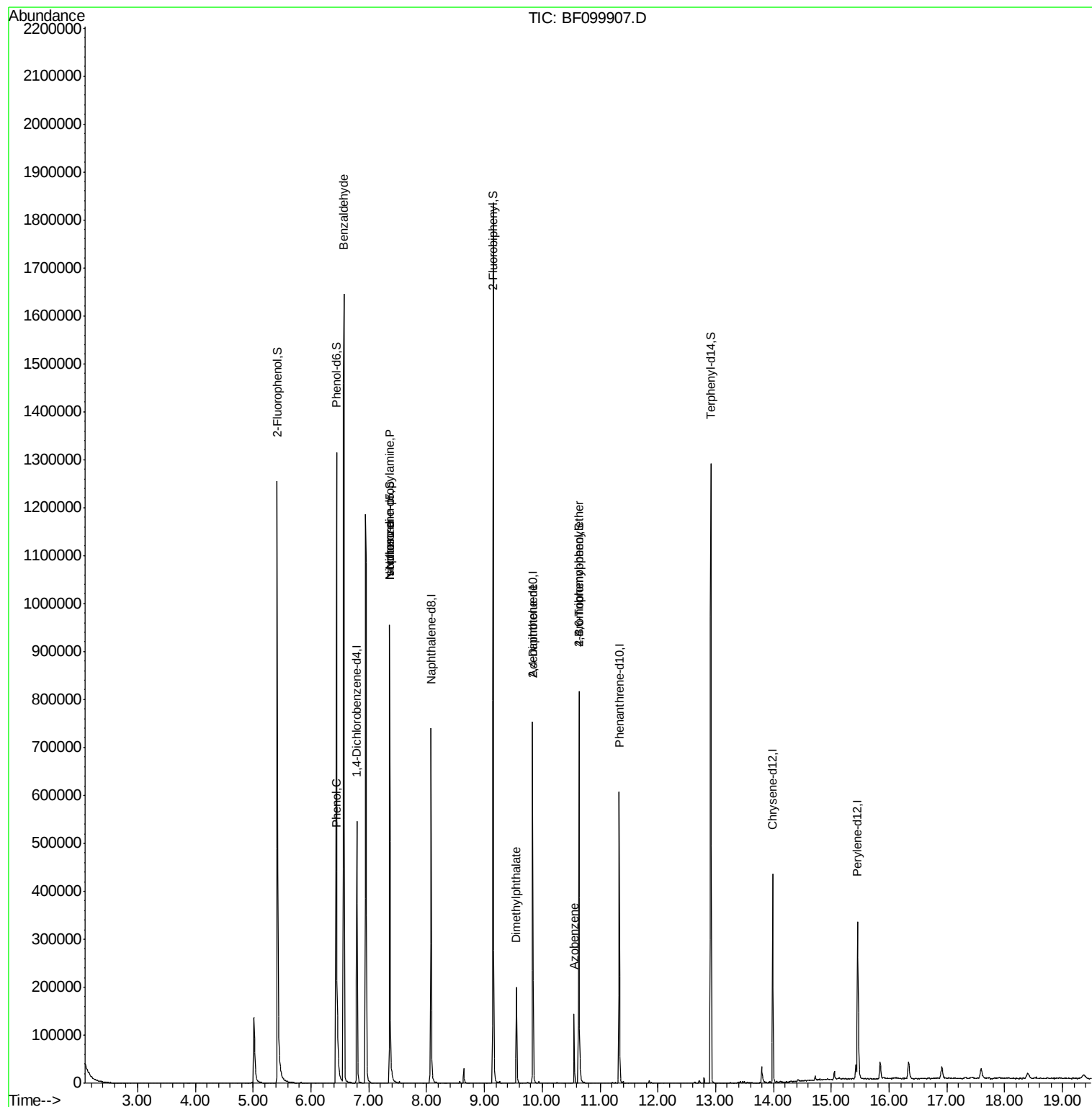
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	90087	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	362415	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	159397	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	248600	20.00	ng	0.00
75) Chrysene-d12	13.99	240	153474	20.00	ng	0.00
86) Perylene-d12	15.46	264	163998	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	488443	85.12	ng	0.00
7) Phenol-d6	6.44	99	572423	84.13	ng	0.00
23) Nitrobenzene-d5	7.36	82	312984	55.60	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	103880	71.51	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	616988	59.72	ng	0.00
78) Terphenyl-d14	12.92	244	398570	56.75	ng	0.00
Target Compounds						
9) Benzaldehyde	6.57	77	8796	2.163	ng	90
10) Phenol	6.45	94	29035	3.887	ng	94
19) n-Nitroso-di-n-propylamine	7.36	70	38793	9.729	ng	# 69
25) Isophorone	7.36	82	312984	30.640	ng	# 64
49) Dimethylphthalate	9.55	163	94822	7.512	ng	99
56) 2,4-Dinitrotoluene	9.83	165	19918	6.233	ng	# 21
62) Azobenzene	10.55	77	22892	2.215	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	6537	2.498	ng	# 1

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

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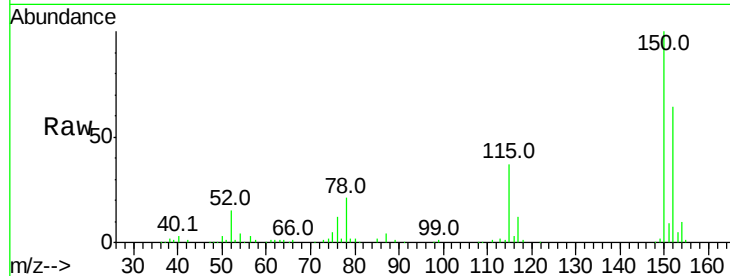


#1

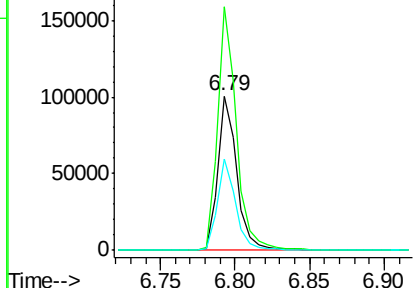
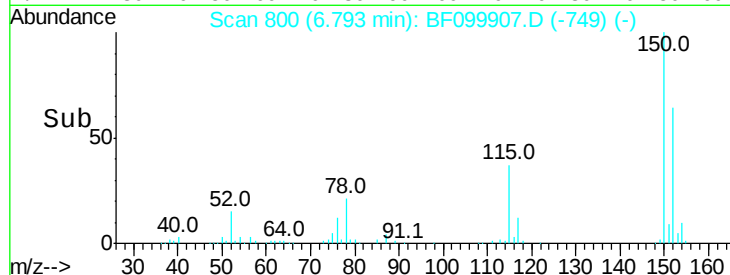
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF099907.D
 Acq: 28 Oct 2017 6:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 90087
 Ion Ratio Lower Upper
 152 100
 150 157.4 124.6 186.8
 115 58.8 50.1 75.1



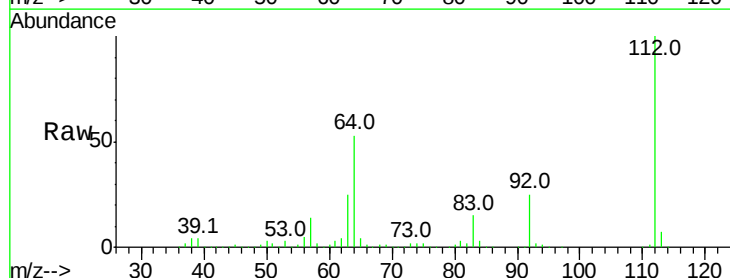
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



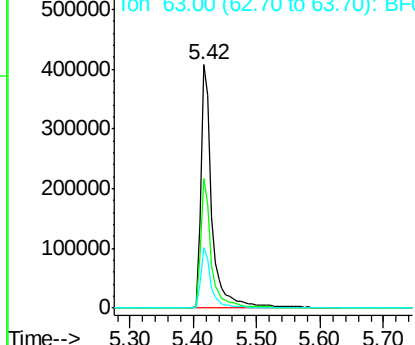
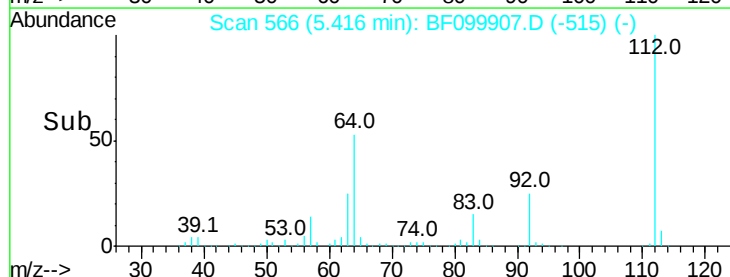
#5

2-Fluorophenol
 Concen: 85.122 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: BF099907.D
 Acq: 28 Oct 2017 6:05

Tgt Ion:112 Resp: 488443
 Ion Ratio Lower Upper
 112 100
 64 53.0 47.9 71.9
 63 24.8 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: 84.132 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF099907.D

Acq: 28 Oct 2017 6:05

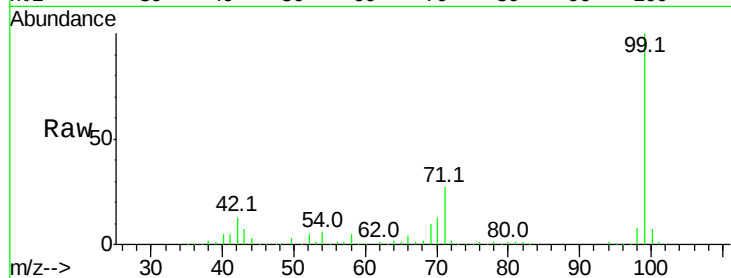
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 572423

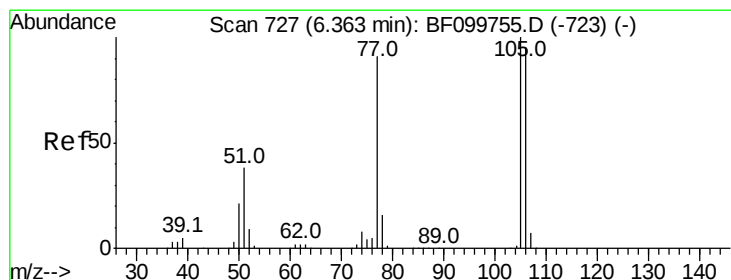
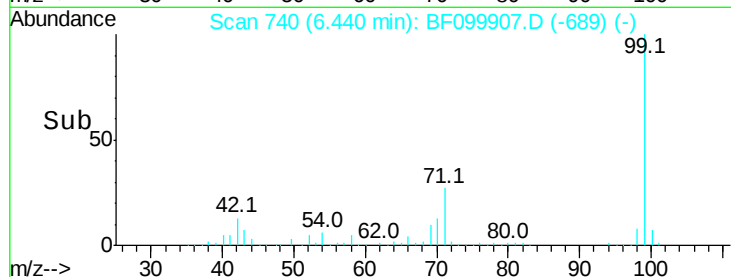
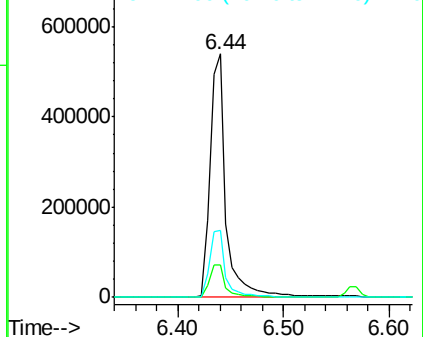
Ion	Ratio	Lower	Upper
99	100		
42	13.1	14.5	21.7#
71	27.5	25.4	38.0



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: 2.163 ng

RT: 6.57 min Scan# 762

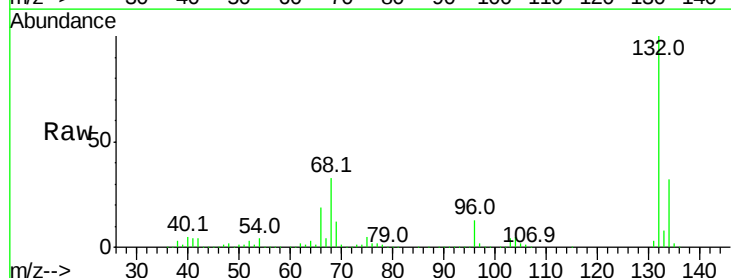
Delta R.T. 0.21 min

Lab File: BF099907.D

Acq: 28 Oct 2017 6:05

Tgt Ion: 77 Resp: 8796

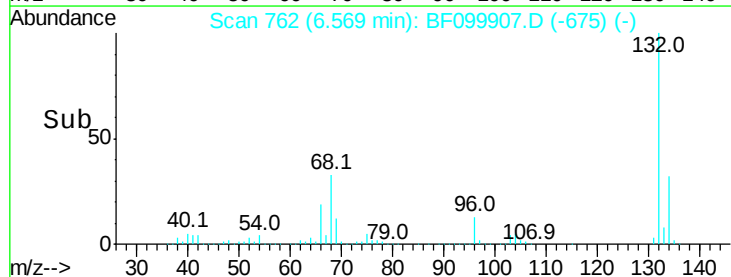
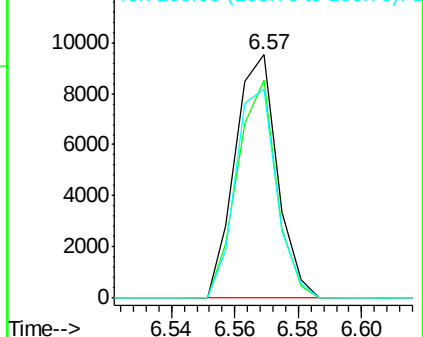
Ion	Ratio	Lower	Upper
77	100		
105	89.7	81.1	121.1
106	86.0	74.5	114.5

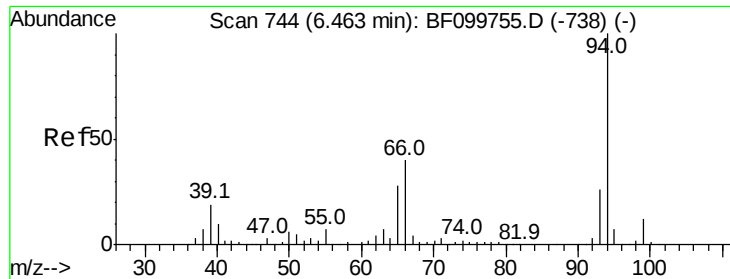


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.887 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF099907.D

Acq: 28 Oct 2017 6:05

Instrument :

BNA_F

ClientSampled :

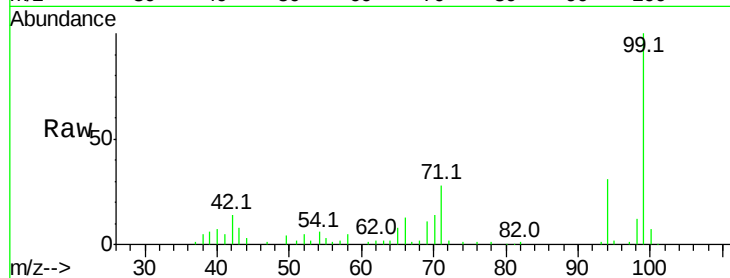
Tot Ion: 94 Resp: 29035

Ion Ratio Lower Upper

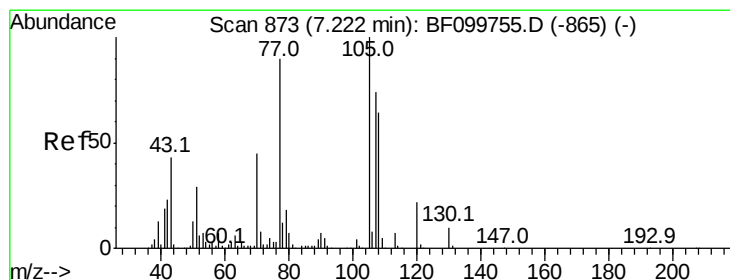
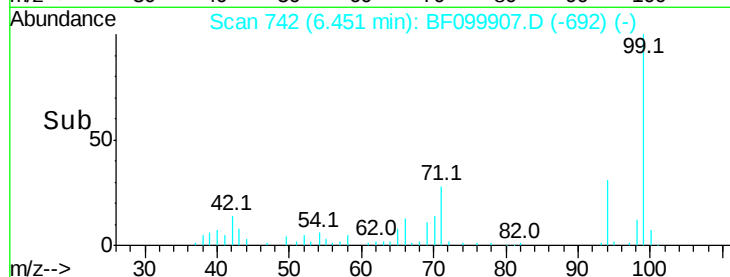
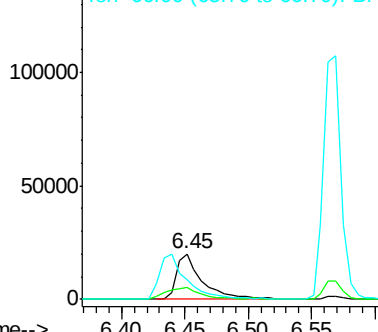
94 100

65 26.9 7.9 47.9

66 41.9 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: 9.729 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF099907.D

Acq: 28 Oct 2017 6:05

Tgt Ion: 70 Resp: 38793

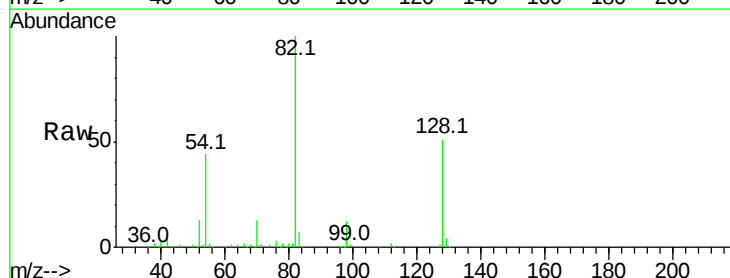
Ion Ratio Lower Upper

70 100

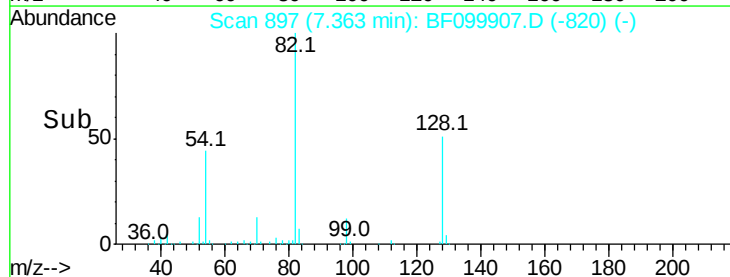
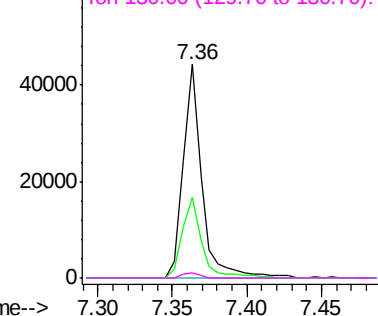
42 37.6 47.5 71.3#

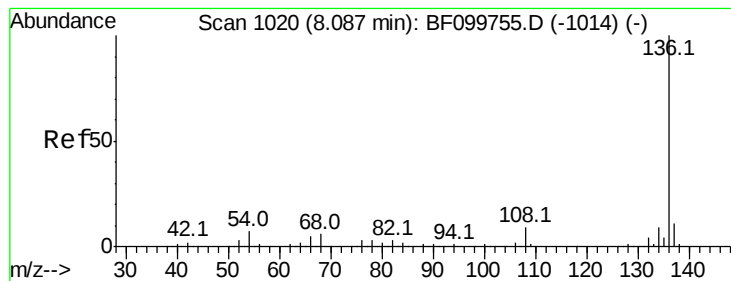
101 0.0 7.4 11.2#

130 2.2 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

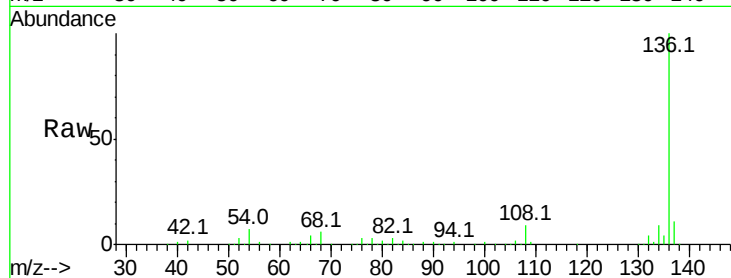




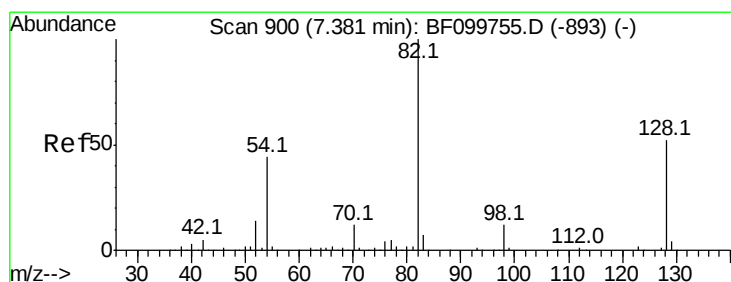
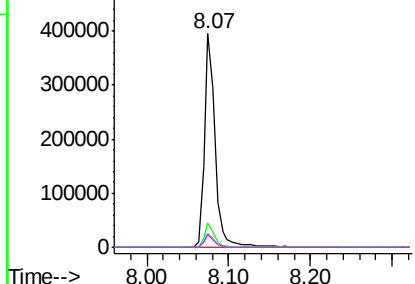
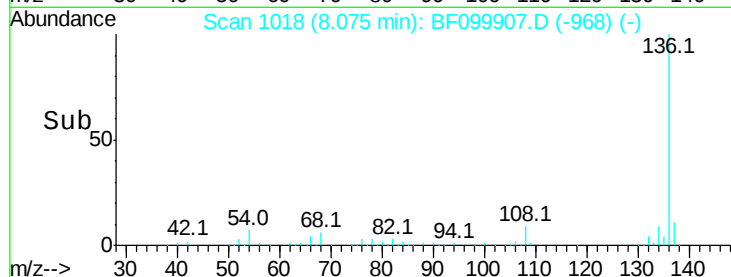
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF099907.D
Acq: 28 Oct 2017 6:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	362415
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	6.8	6.6	9.8
68	6.0	5.0	7.4

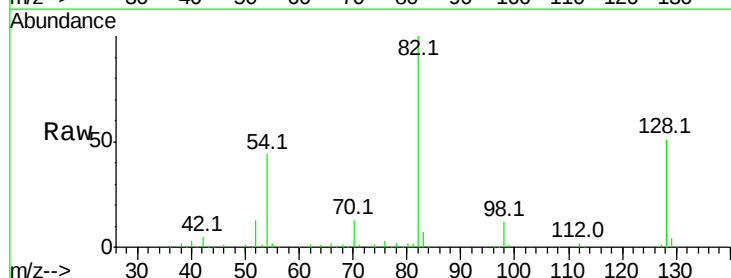


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

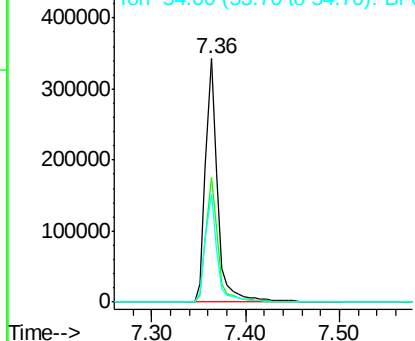
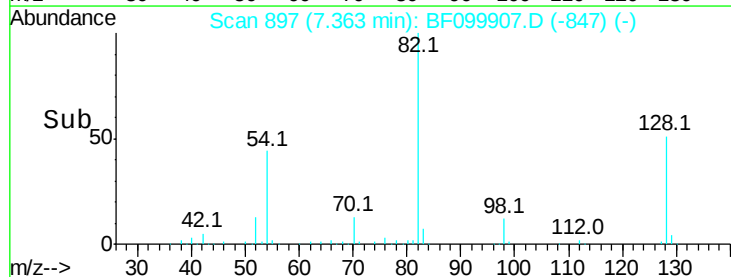


#23
Nitrobenzene-d5
Concen: 55.599 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF099907.D
Acq: 28 Oct 2017 6:05

Tgt Ion:	82	Resp:	312984
Ion	Ratio	Lower	Upper
82	100		
128	51.1	36.1	54.1
54	44.2	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: 30.640 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF099907.D

Acq: 28 Oct 2017 6:05

Instrument :

BNA_F

ClientSampled :

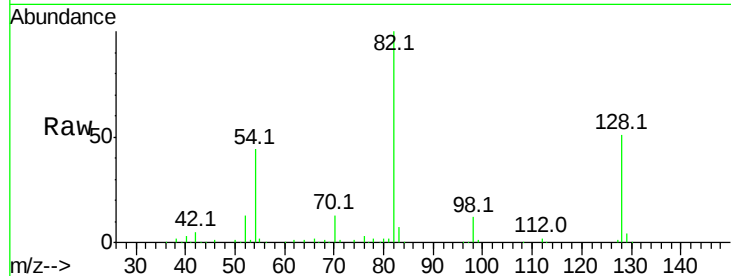
Tot Ion: 82 Resp: 312984

Ion Ratio Lower Upper

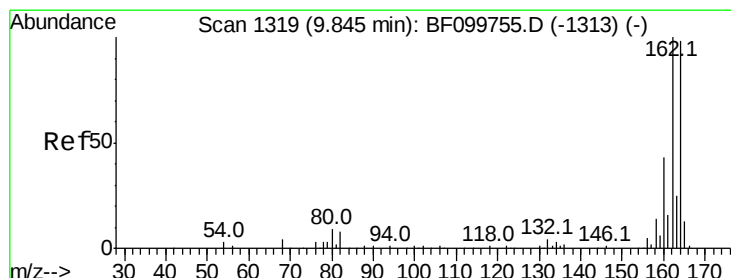
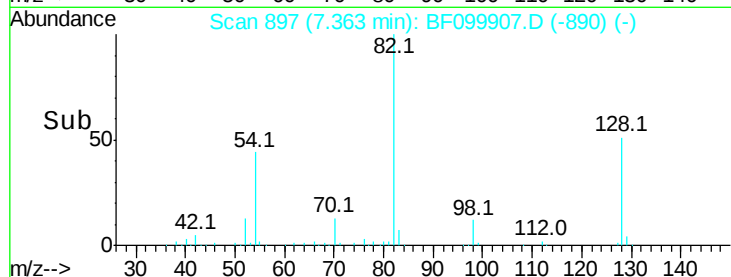
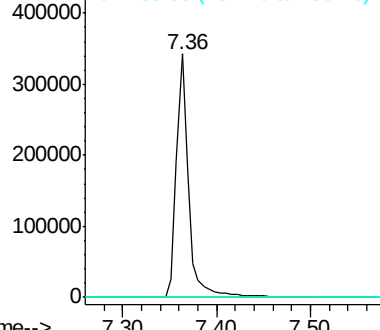
82 100

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: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF099907.D

Acq: 28 Oct 2017 6:05

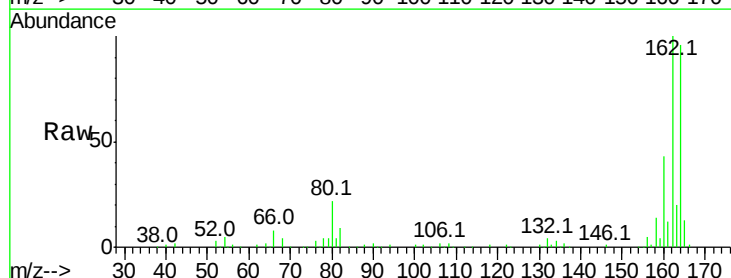
Tgt Ion:164 Resp: 159397

Ion Ratio Lower Upper

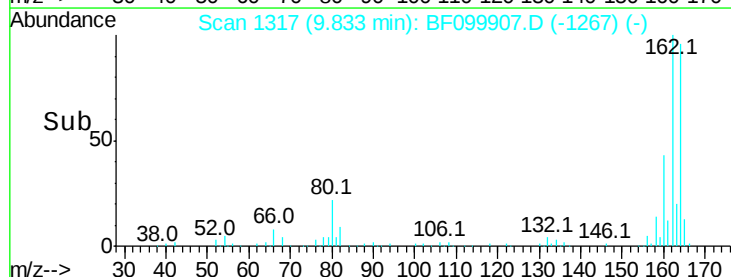
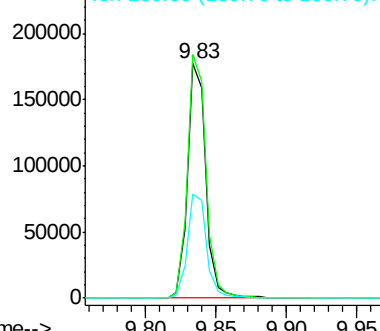
164 100

162 103.9 86.1 129.1

160 44.4 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

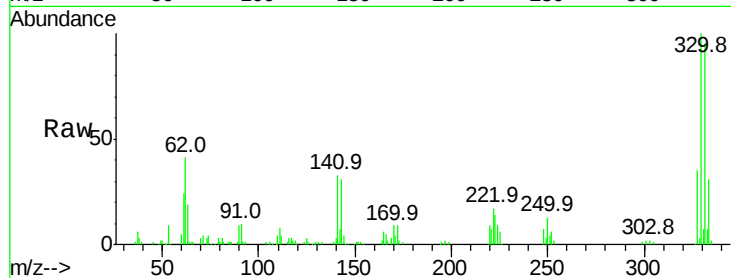




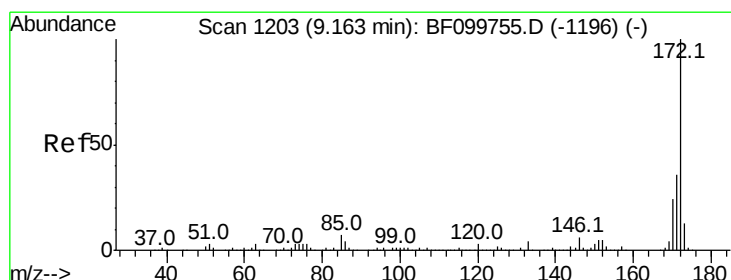
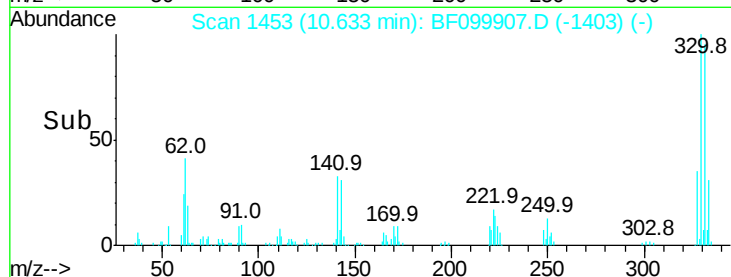
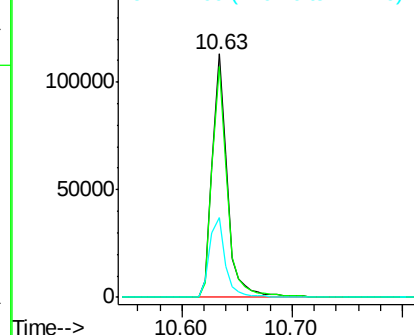
#41
 2,4,6-Tribromophenol
 Concen: 71.513 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF099907.D
 Acq: 28 Oct 2017 6:05

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	34.8	29.9	44.9

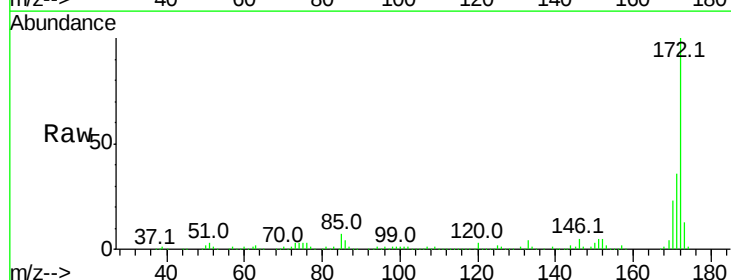


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

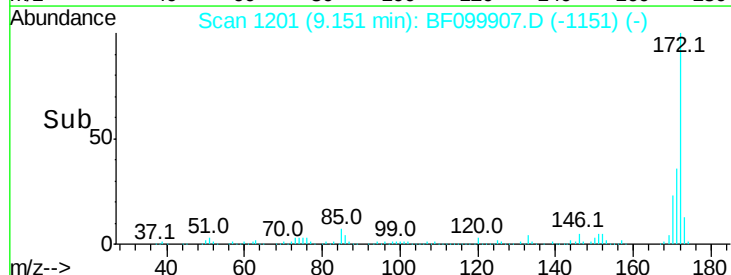
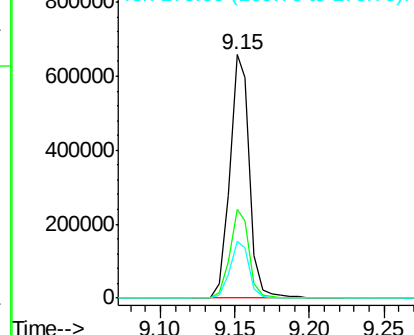


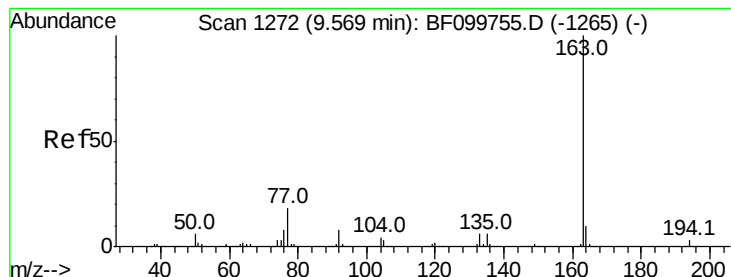
#44
 2-Fluorobiphenyl
 Concen: 59.720 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF099907.D
 Acq: 28 Oct 2017 6:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	23.1	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: 7.512 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF099907.D

Acq: 28 Oct 2017 6:05

Instrument :

BNA_F

ClientSampled :

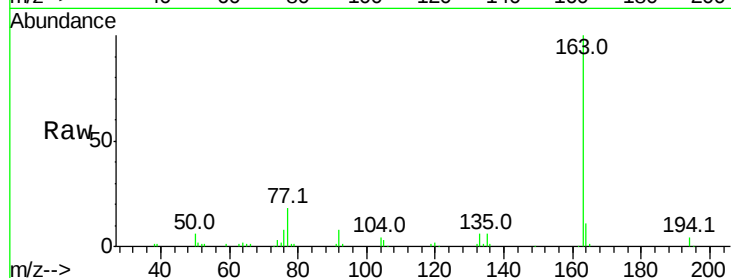
Tot Ion:163 Resp: 94822

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

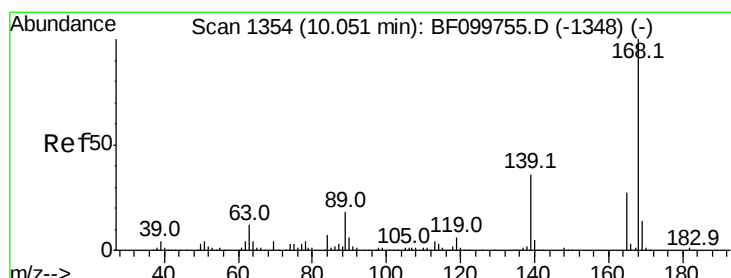
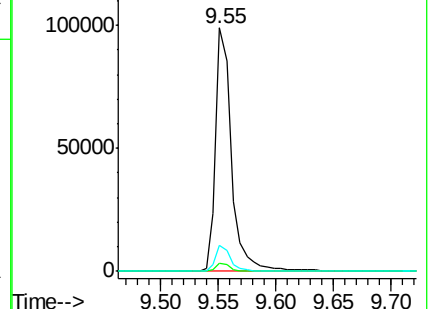
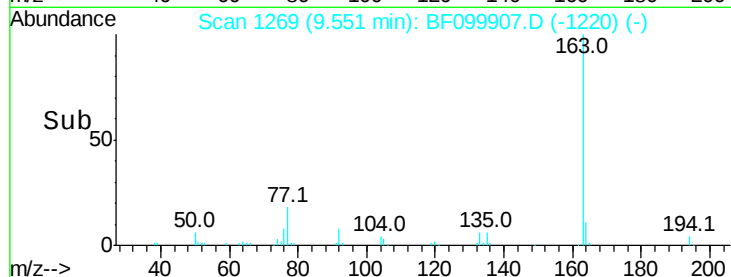
164 10.6 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.233 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.22 min

Lab File: BF099907.D

Acq: 28 Oct 2017 6:05

Tgt Ion:165 Resp: 19918

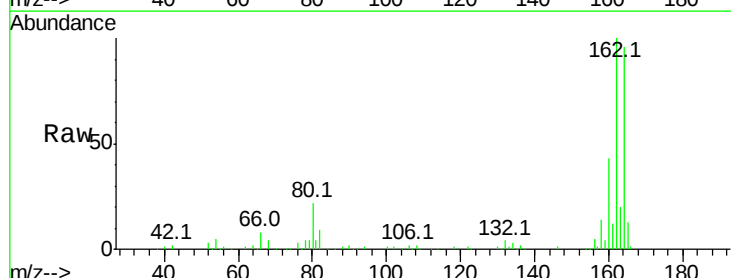
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

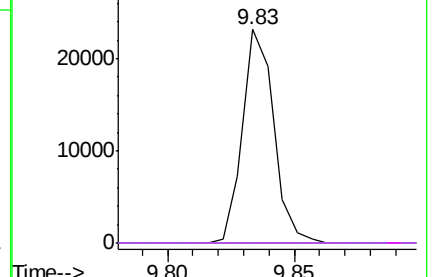
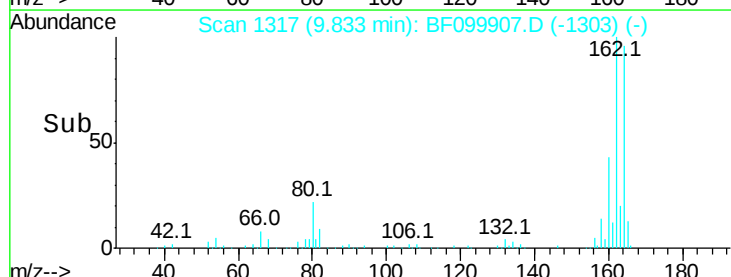


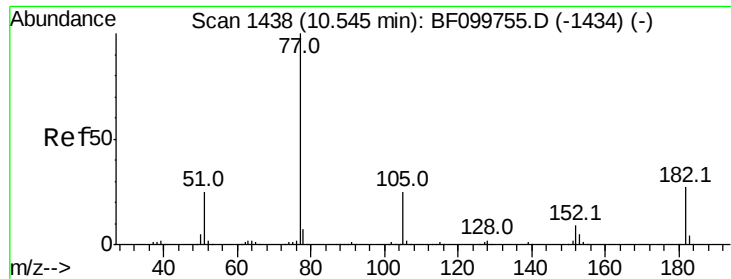
Abundance Ion 165.00 (164.70 to 165.70): E

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

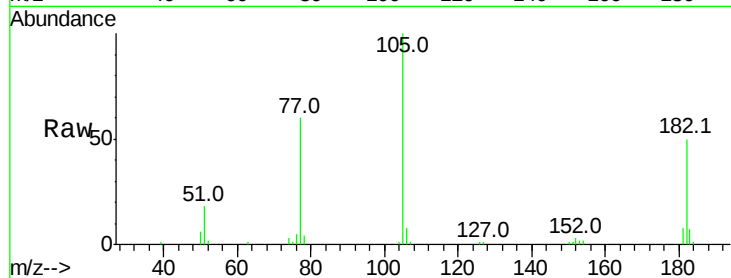




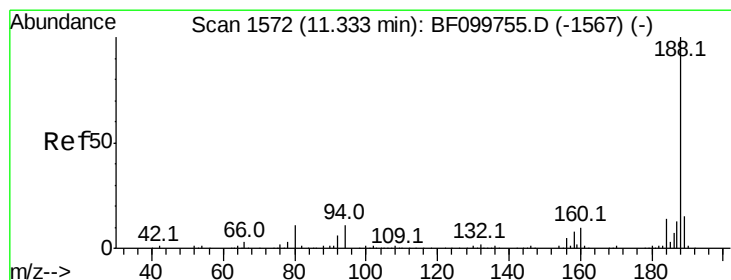
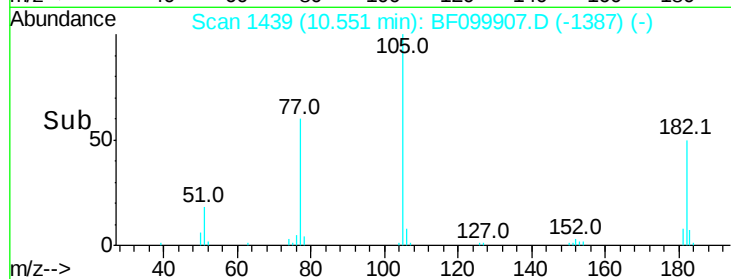
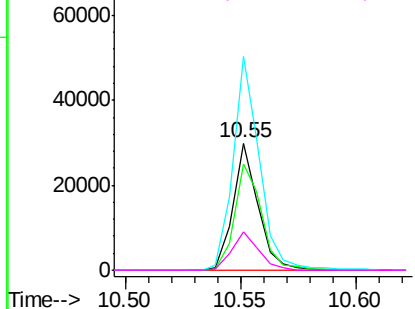
#62
Azobenzene
Concen: 2.215 ng
RT: 10.55 min Scan# 1439
Delta R.T. 0.01 min
Lab File: BF099907.D
Acq: 28 Oct 2017 6:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 77 Resp: 22892
Ion Ratio Lower Upper
77 100
182 83.4 1.7 41.7#
105 168.0 3.0 43.0#
51 30.6 9.9 49.9

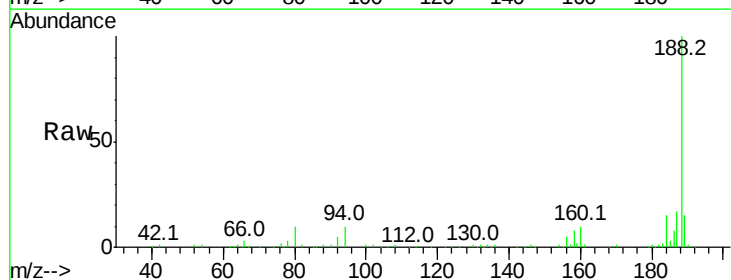


Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0

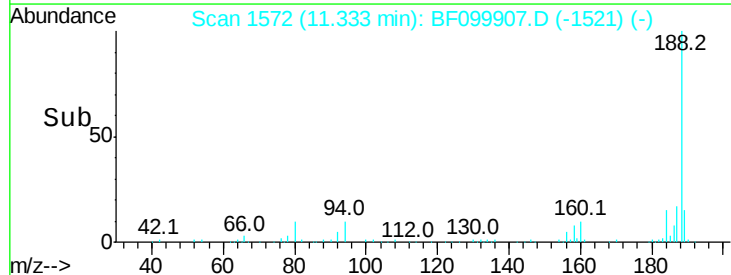
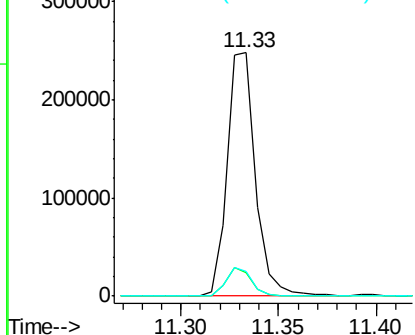


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF099907.D
Acq: 28 Oct 2017 6:05

Tgt Ion: 188 Resp: 248600
Ion Ratio Lower Upper
188 100
94 9.8 8.5 12.7
80 10.0 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

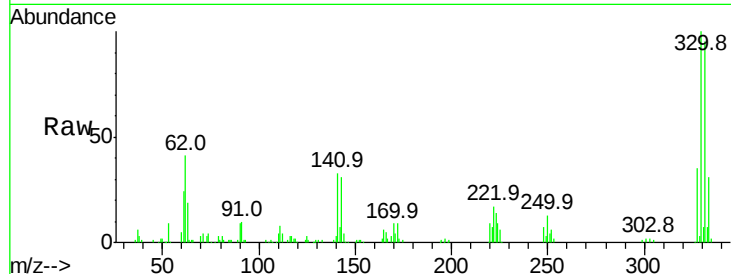




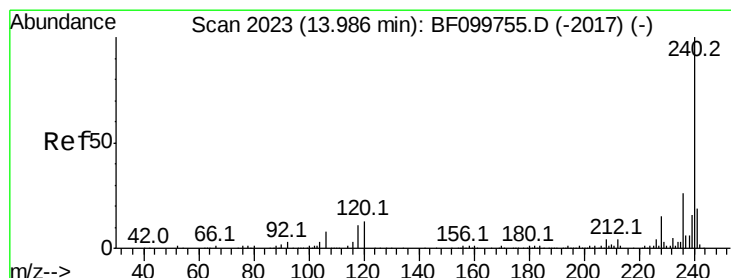
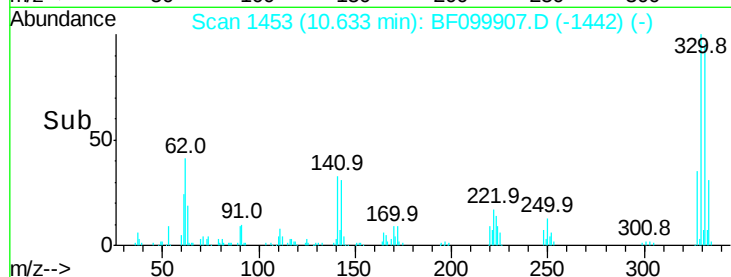
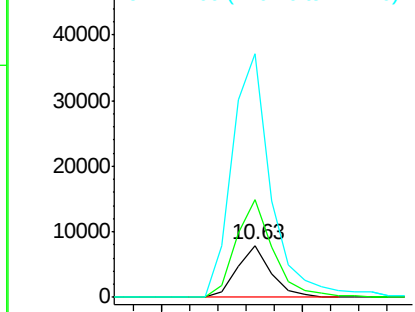
#66
 4-Bromophenyl-phenylether
 Concen: 2.498 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF099907.D
 Acq: 28 Oct 2017 6:05

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 6537
 Ion Ratio Lower Upper
 248 100
 250 188.9 76.9 115.3#
 141 470.5 74.4 111.6#

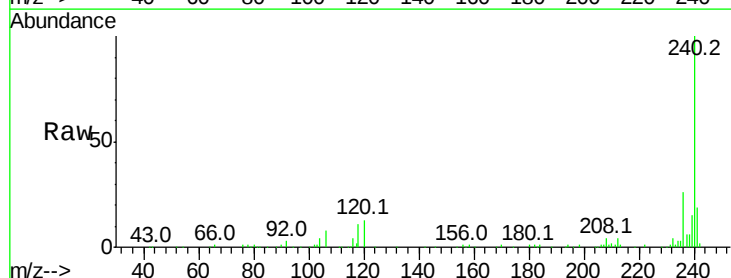


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

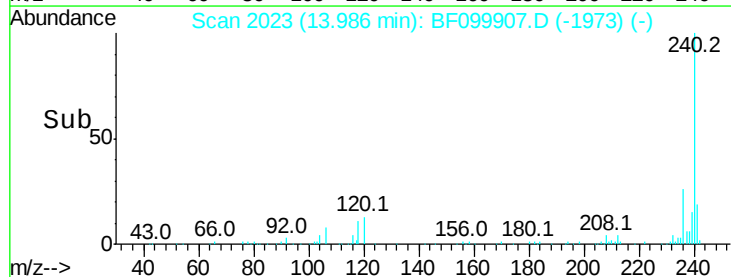
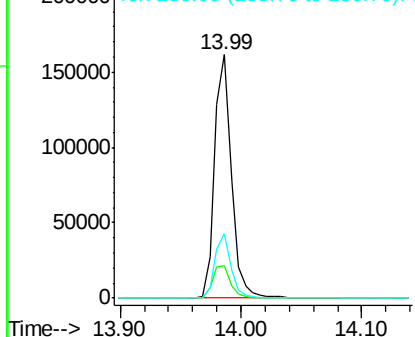


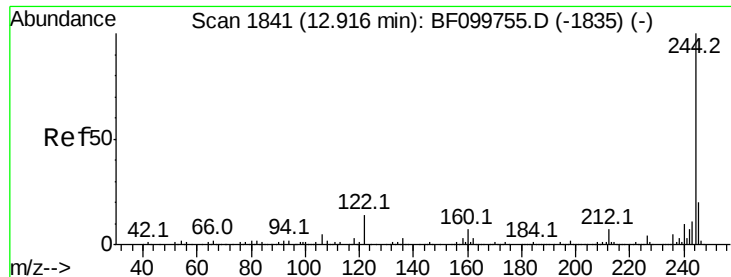
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF099907.D
 Acq: 28 Oct 2017 6:05

Tgt Ion:240 Resp: 153474
 Ion Ratio Lower Upper
 240 100
 120 13.3 9.5 14.3
 236 26.2 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

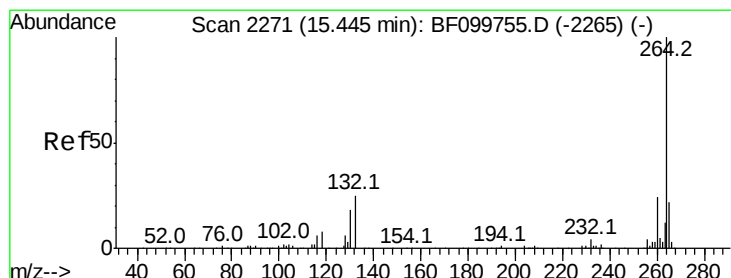
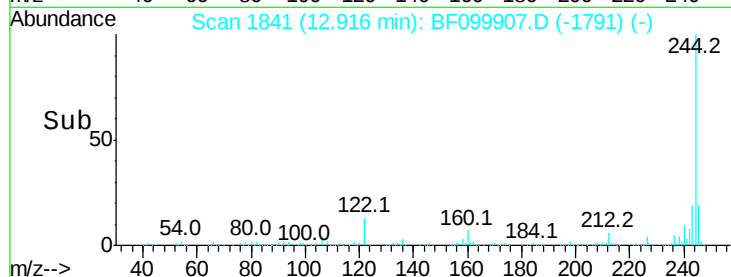
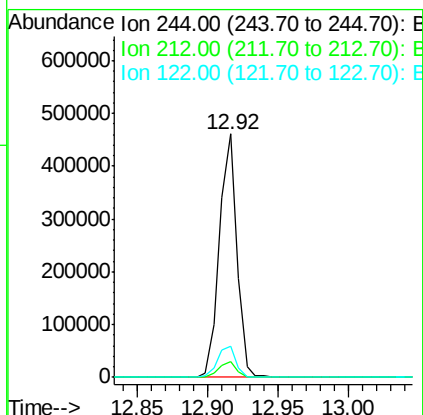
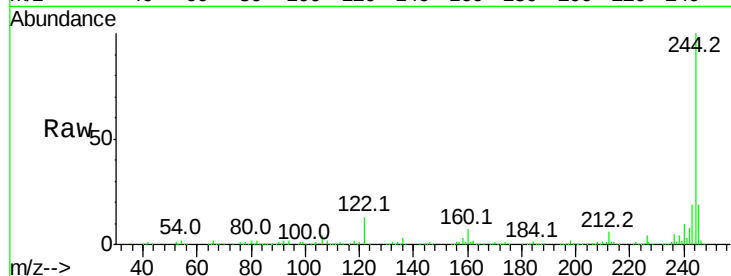




#78
 Terphenyl-d14
 Concen: 56.754 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF099907.D
 Acq: 28 Oct 2017 6:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 398570
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 12.6 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: BF099907.D
 Acq: 28 Oct 2017 6:05

Tgt Ion:264 Resp: 163998
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 21.7 17.5 26.3

