

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102617\
 Data File : BF099869.D
 Acq On : 26 Oct 2017 19:20
 Operator : SJ/JU
 Sample : I6078-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 26 20:26:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 26 16:31:52 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	74711	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	311408	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	143182	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	260866	20.00	ng	0.00
75) Chrysene-d12	13.99	240	210126	20.00	ng	0.00
86) Perylene-d12	15.46	264	190789	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	615945	129.43	ng	0.02
7) Phenol-d6	6.45	99	739505	131.06	ng	0.01
23) Nitrobenzene-d5	7.36	82	412214	85.22	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	157515	120.72	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	851825	91.79	ng	0.00
78) Terphenyl-d14	12.93	244	787947	81.95	ng	0.01

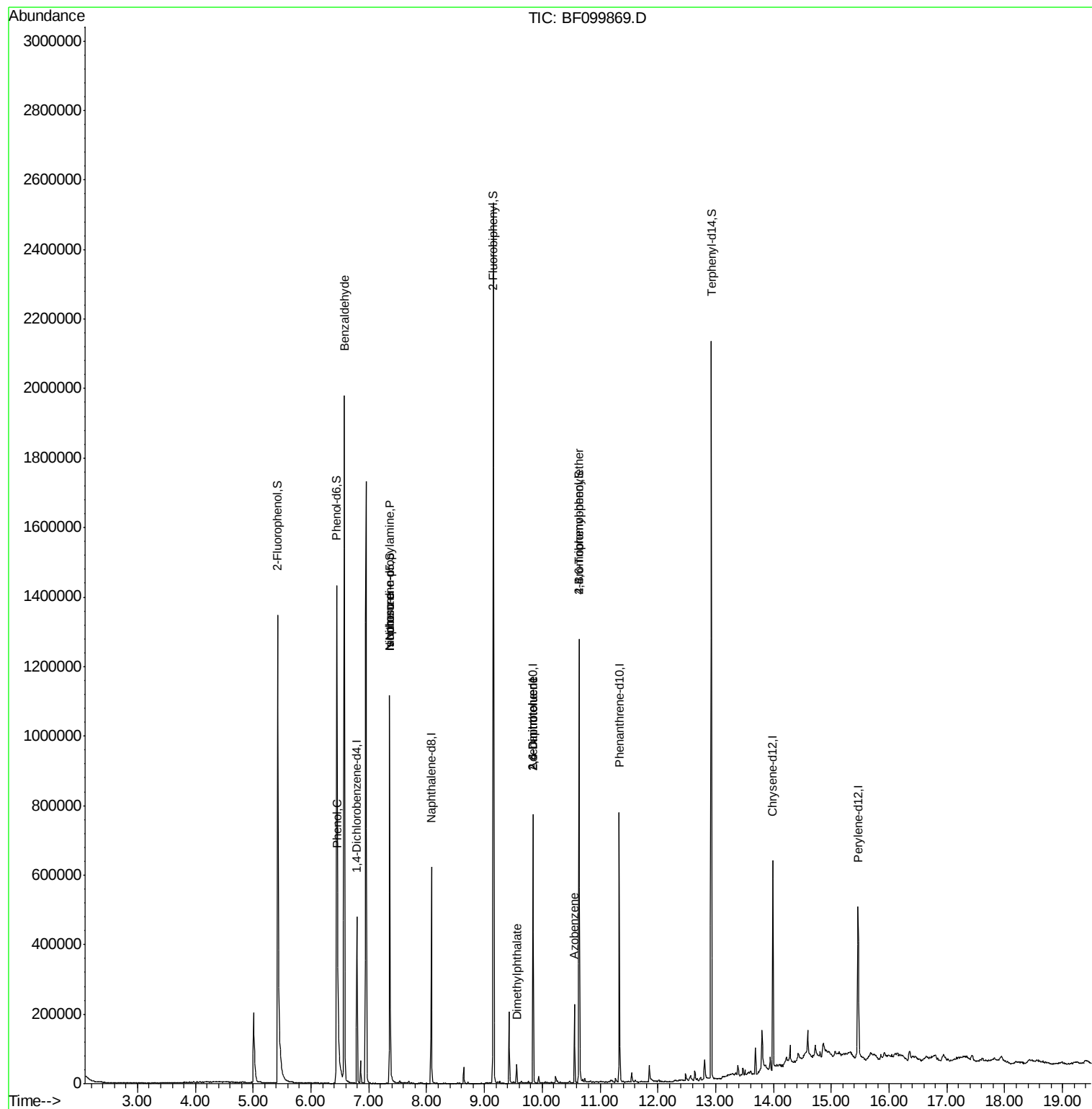
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	11115	3.296	ng	92
10) Phenol	6.46	94	36180	5.840	ng	90
19) n-Nitroso-di-n-propylamine	7.36	70	50467	15.262	ng	# 73
25) Isophorone	7.36	82	412211	46.964	ng	# 64
49) Dimethylphthalate	9.56	163	24826	2.189	ng	98
50) 2,6-Dinitrotoluene	9.84	165	17936	7.524	ng	# 24
56) 2,4-Dinitrotoluene	9.84	165	17936	6.248	ng	# 21
62) Azobenzene	10.56	77	33525	3.612	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	10618	3.866	ng	# 1

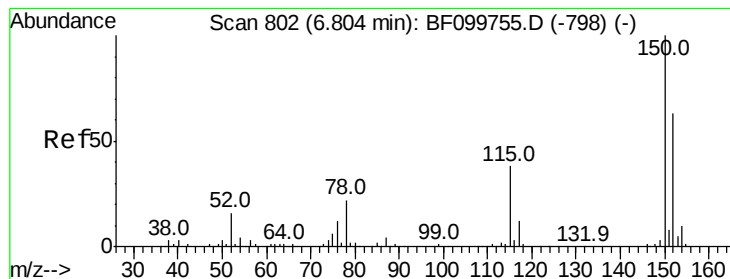
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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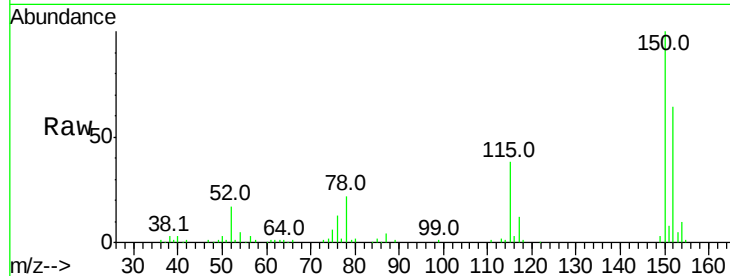


#1

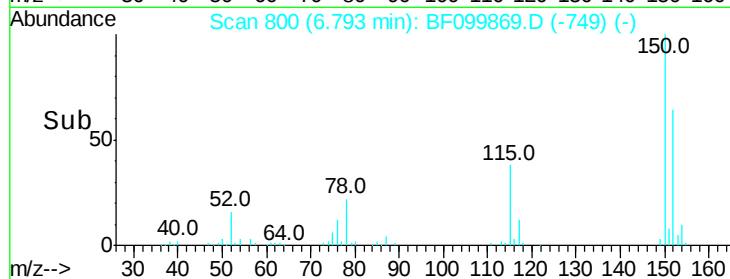
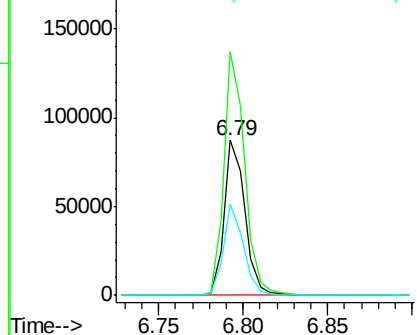
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF099869.D
 Acq: 26 Oct 2017 19:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 74711
 Ion Ratio Lower Upper
 152 100
 150 157.2 124.6 186.8
 115 59.1 50.1 75.1



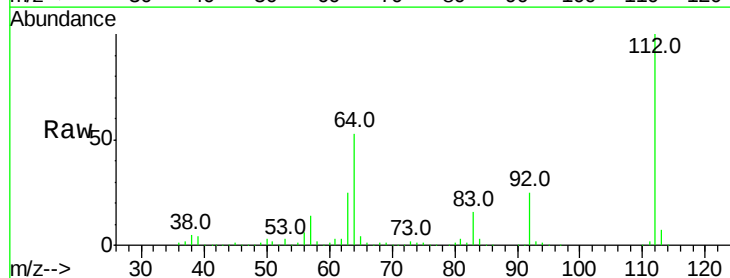
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



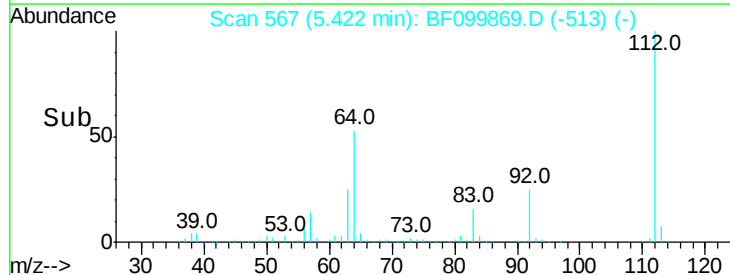
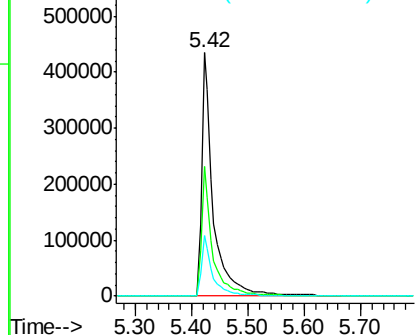
#5

2-Fluorophenol
 Concen: 129.434 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.02 min
 Lab File: BF099869.D
 Acq: 26 Oct 2017 19:20

Tgt Ion:112 Resp: 615945
 Ion Ratio Lower Upper
 112 100
 64 53.5 47.9 71.9
 63 24.9 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: 131.058 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF099869.D

Acq: 26 Oct 2017 19:20

Instrument :

BNA_F

ClientSampled :

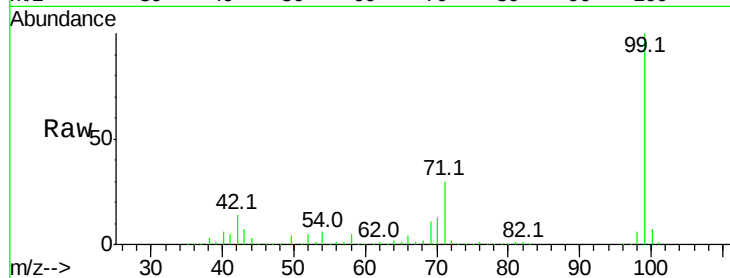
Tot Ion: 99 Resp: 739505

Ion Ratio Lower Upper

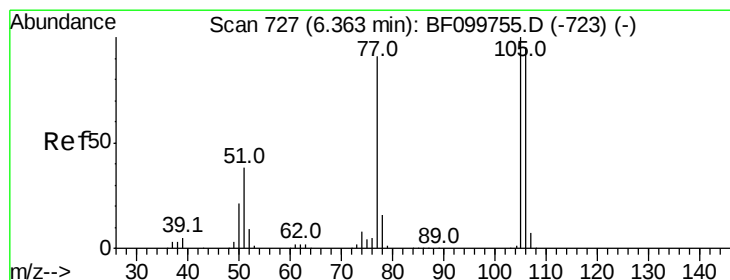
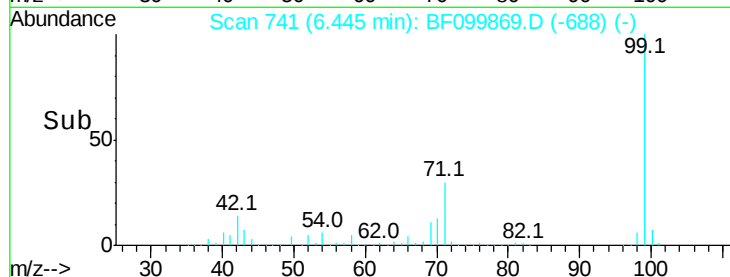
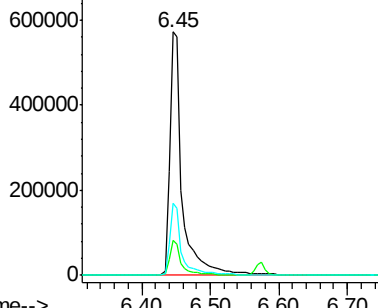
99 100

42 14.2 14.5 21.7#

71 29.7 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: 3.296 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.22 min

Lab File: BF099869.D

Acq: 26 Oct 2017 19:20

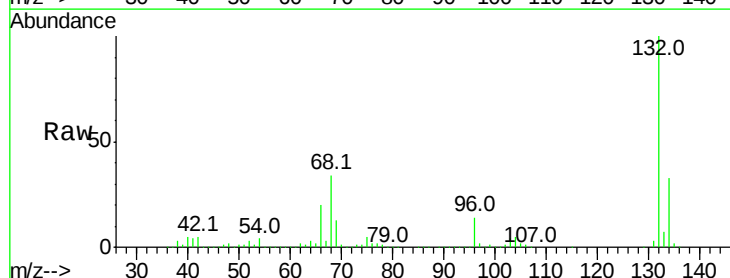
Tgt Ion: 77 Resp: 11115

Ion Ratio Lower Upper

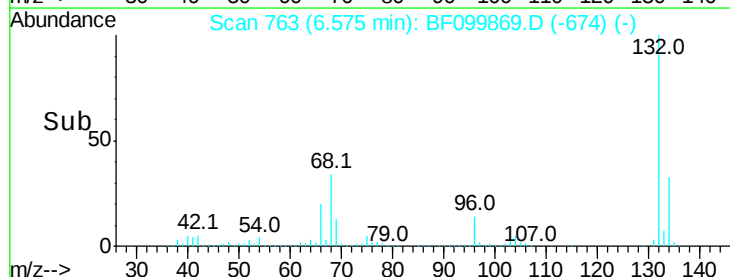
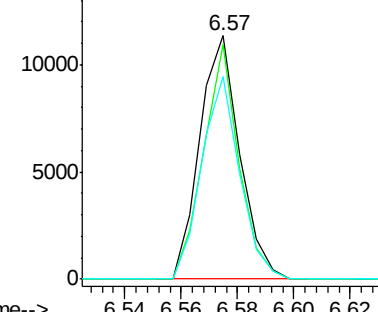
77 100

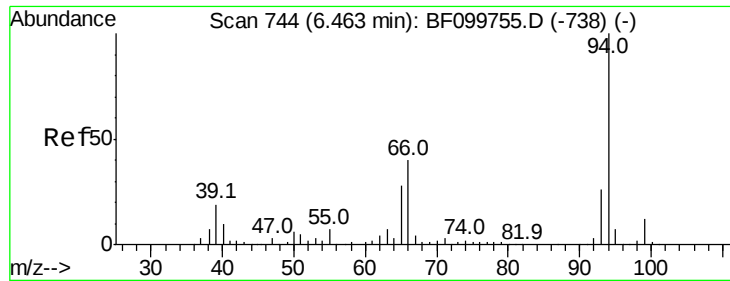
105 96.4 81.1 121.1

106 83.5 74.5 114.5



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





#10

Phenol

Concen: 5.840 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF099869.D

Acq: 26 Oct 2017 19:20

Instrument :

BNA_F

ClientSampleId :

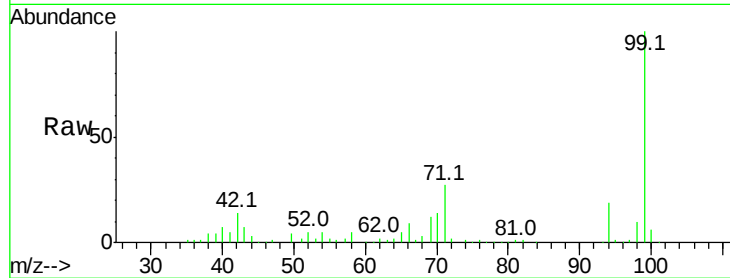
Tot Ion: 94 Resp: 36180

Ion Ratio Lower Upper

94 100

65 28.3 7.9 47.9

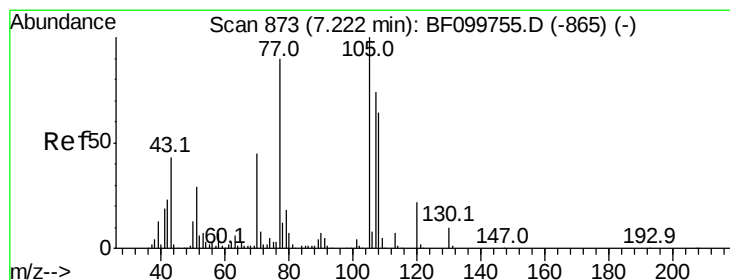
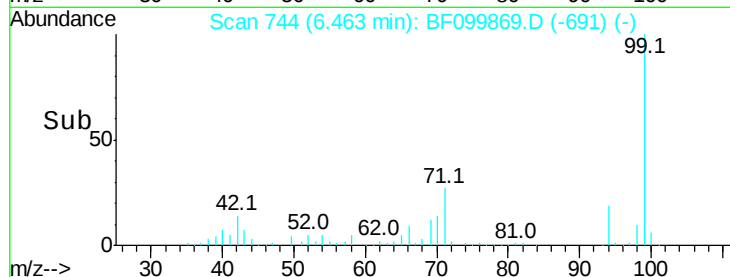
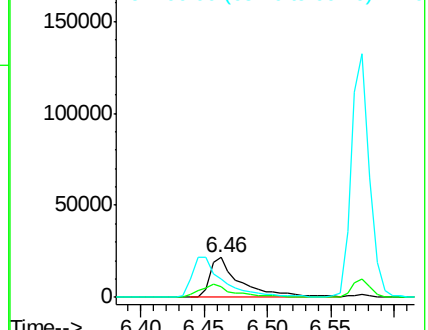
66 46.7 16.2 56.2



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: 15.262 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF099869.D

Acq: 26 Oct 2017 19:20

Tgt Ion: 70 Resp: 50467

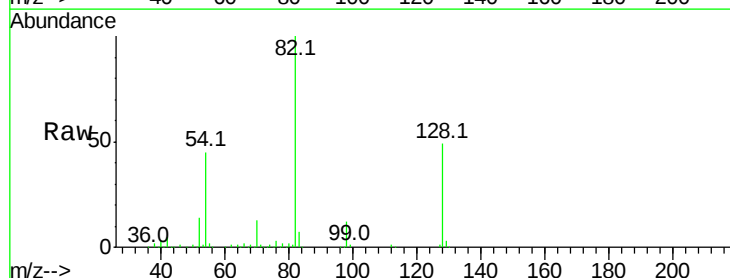
Ion Ratio Lower Upper

70 100

42 42.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

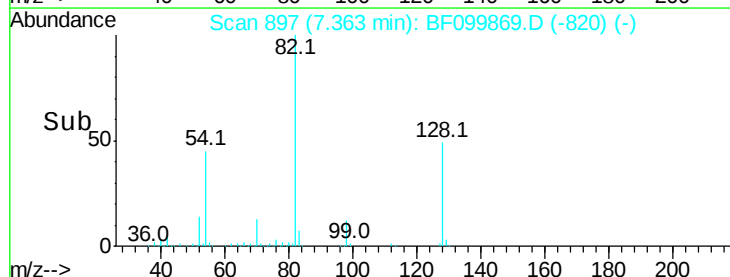
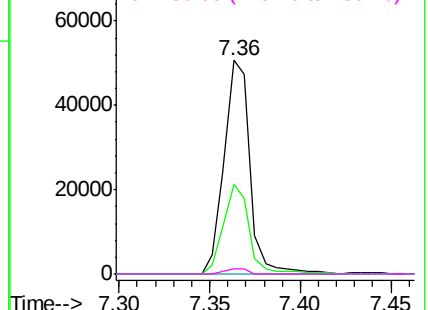


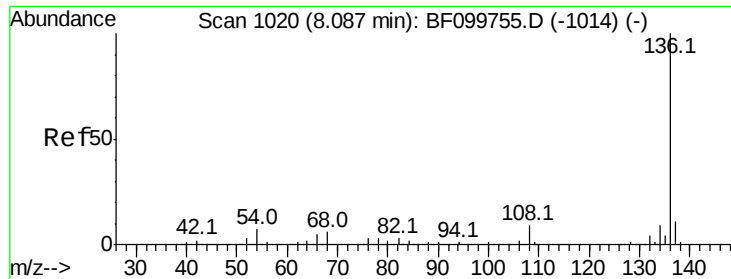
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

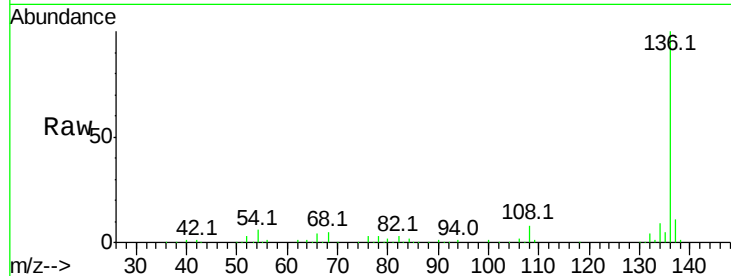




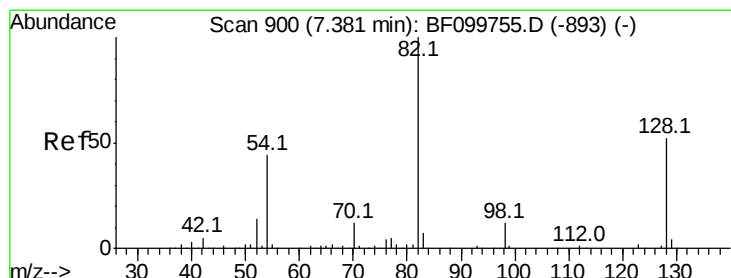
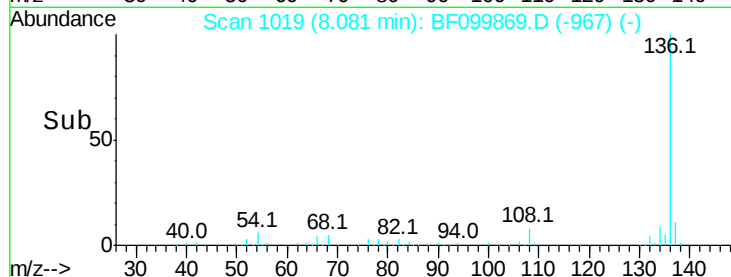
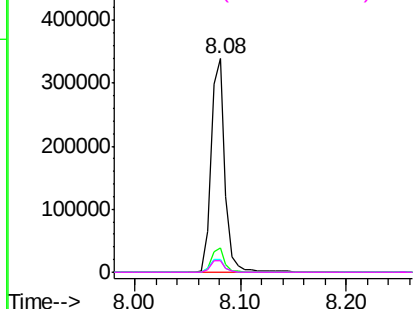
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. 0.01 min
Lab File: BF099869.D
Acq: 26 Oct 2017 19:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	311408
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.0	6.6	9.8#
68	5.2	5.0	7.4

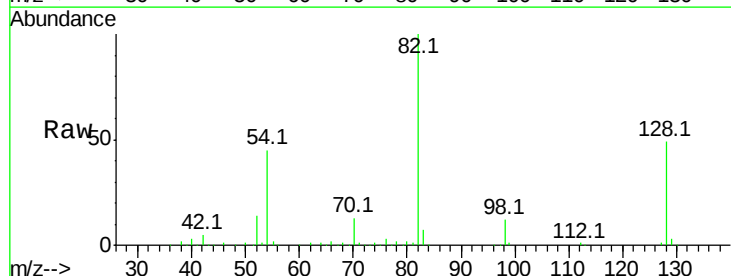


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

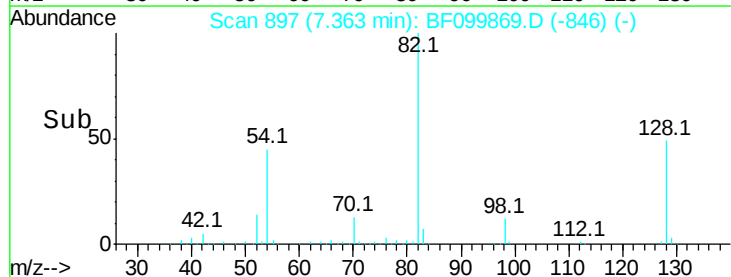
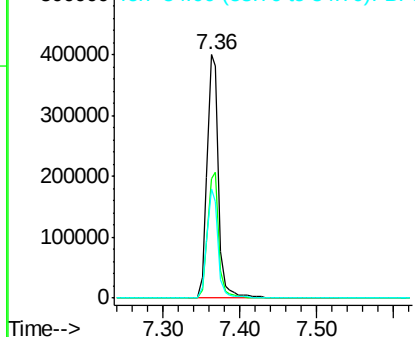


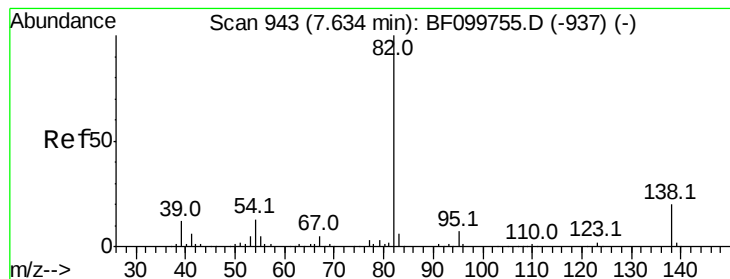
#23
Nitrobenzene-d5
Concen: 85.221 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.00 min
Lab File: BF099869.D
Acq: 26 Oct 2017 19:20

Tgt Ion:	82	Resp:	412214
Ion	Ratio	Lower	Upper
82	100		
128	48.9	36.1	54.1
54	45.0	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: 46.964 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.25 min

Lab File: BF099869.D

Acq: 26 Oct 2017 19:20

Instrument :

BNA_F

ClientSampleId :

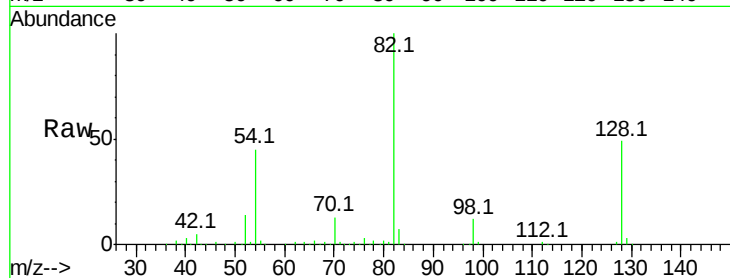
Tot Ion: 82 Resp: 412211

Ion Ratio Lower Upper

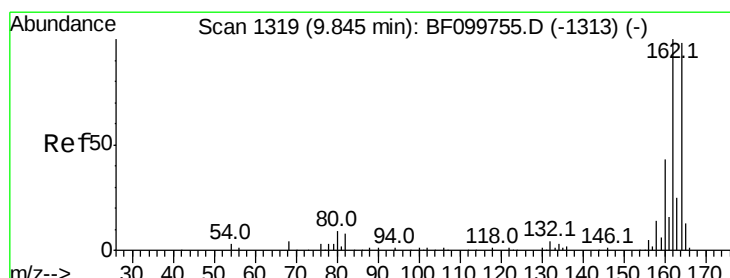
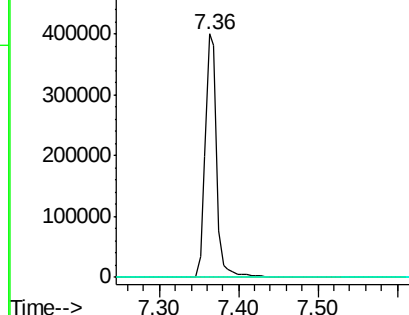
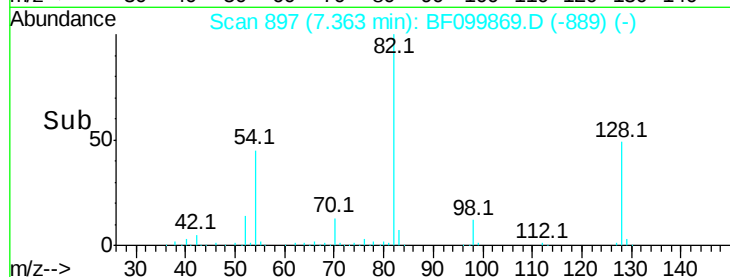
82 100

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: 9.84 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BF099869.D

Acq: 26 Oct 2017 19:20

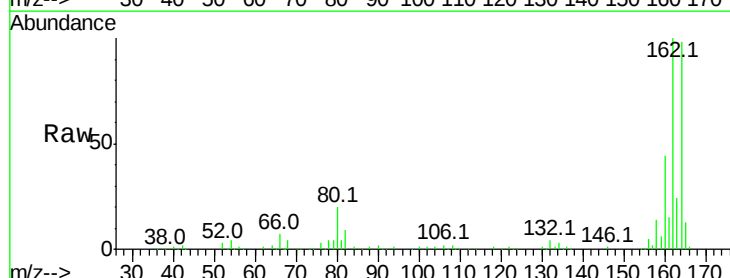
Tgt Ion:164 Resp: 143182

Ion Ratio Lower Upper

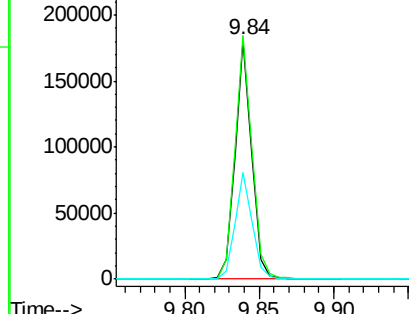
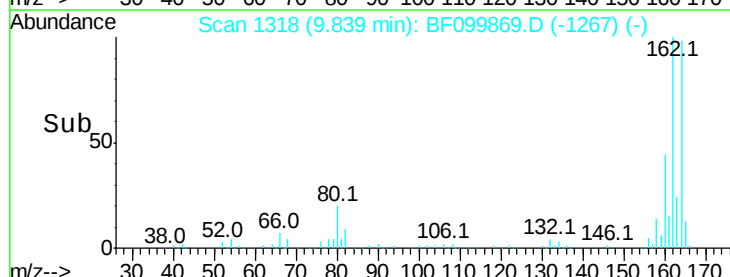
164 100

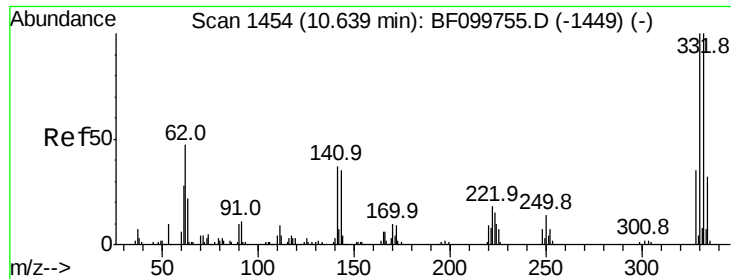
162 102.0 86.1 129.1

160 44.5 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

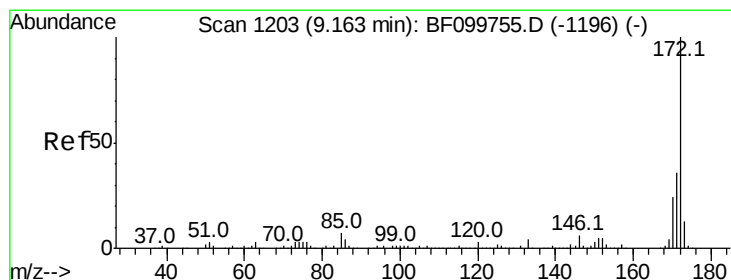
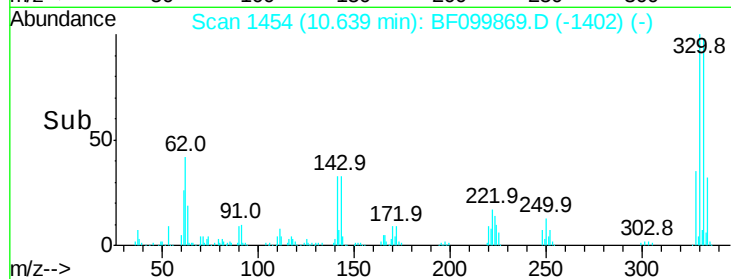
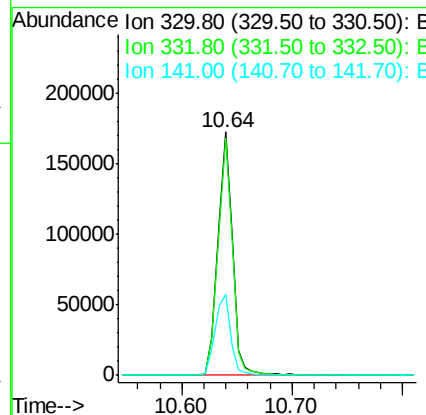
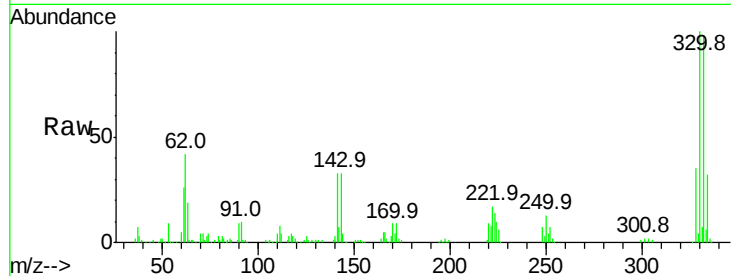




#41
 2,4,6-Tribromophenol
 Concen: 120.716 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.01 min
 Lab File: BF099869.D
 Acq: 26 Oct 2017 19:20

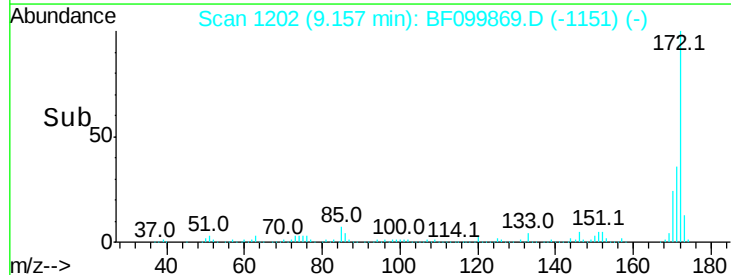
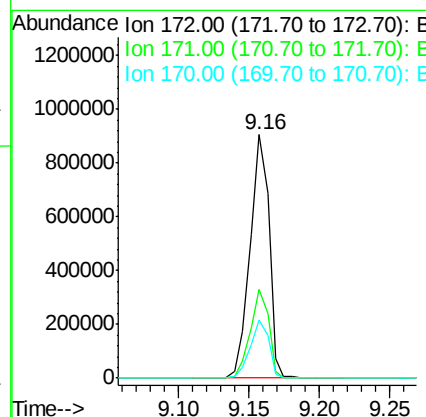
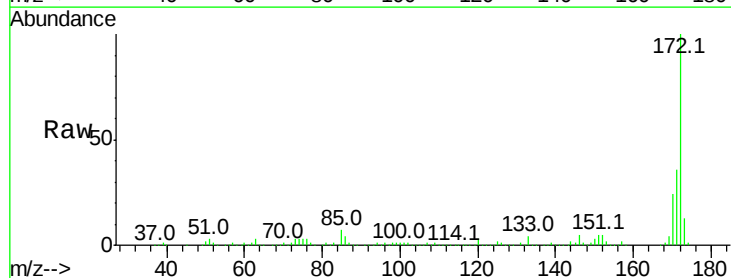
Instrument :
 BNA_F
 ClientSampleId :

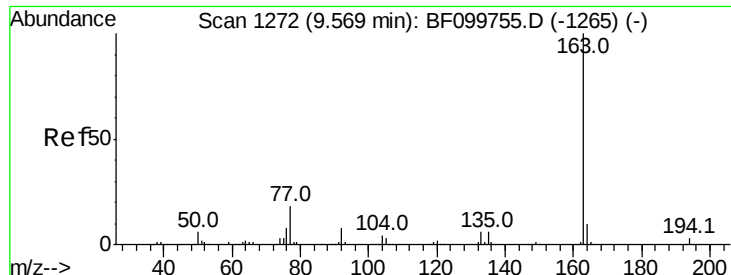
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	34.9	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 91.787 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: BF099869.D
 Acq: 26 Oct 2017 19:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	23.8	19.6	29.4

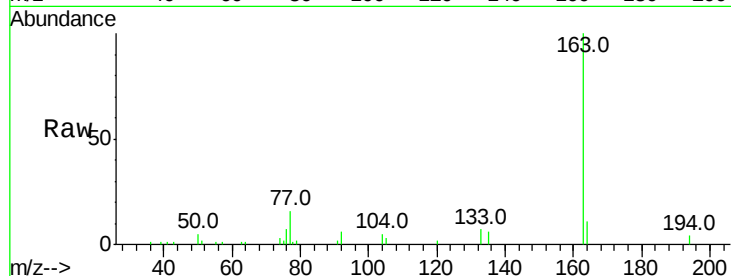




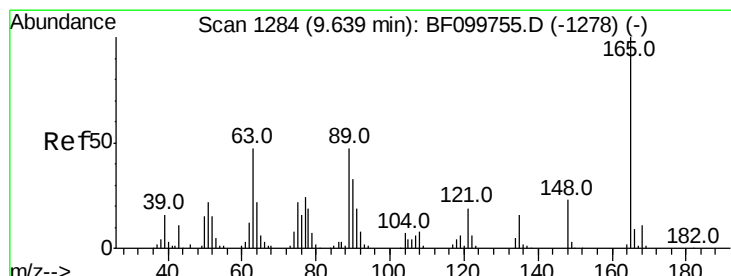
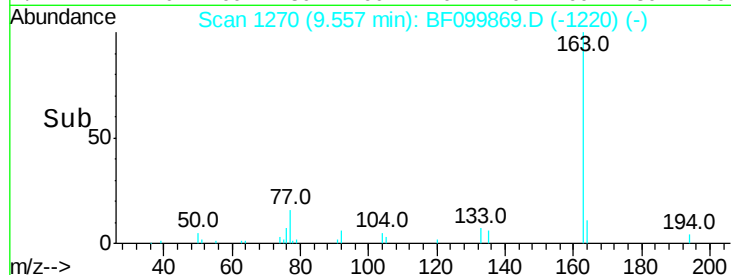
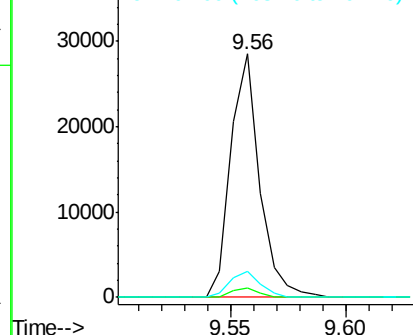
#49
Dimethylphthalate
Concen: 2.189 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF099869.D
Acq: 26 Oct 2017 19:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 24826
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 10.8 8.2 12.2

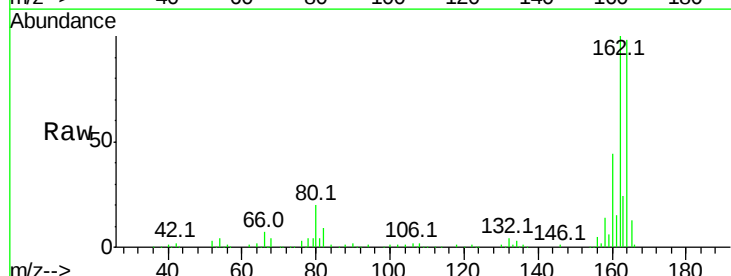


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

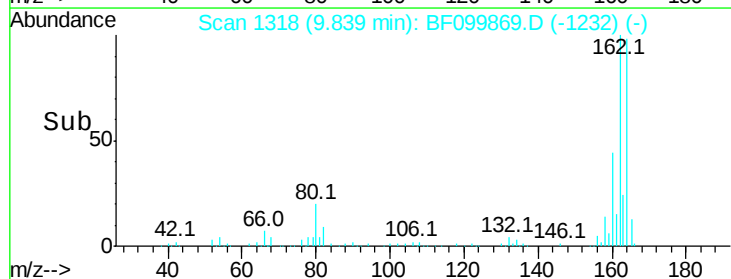
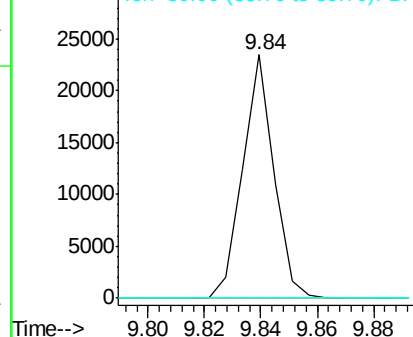


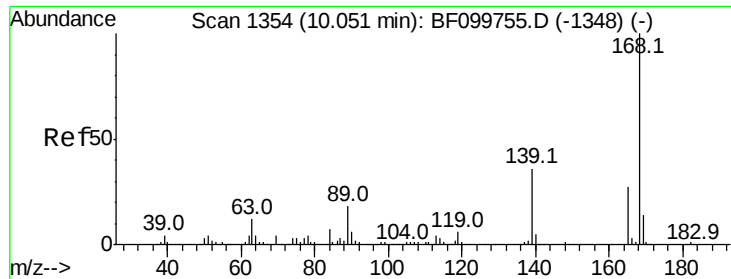
#50
2,6-Dinitrotoluene
Concen: 7.524 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.21 min
Lab File: BF099869.D
Acq: 26 Oct 2017 19:20

Tgt Ion:165 Resp: 17936
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

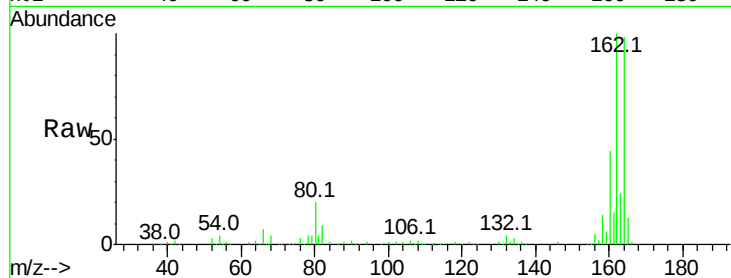




#56
 2,4-Dinitrotoluene
 Concen: 6.248 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.21 min
 Lab File: BF099869.D
 Acq: 26 Oct 2017 19:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	17936
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#

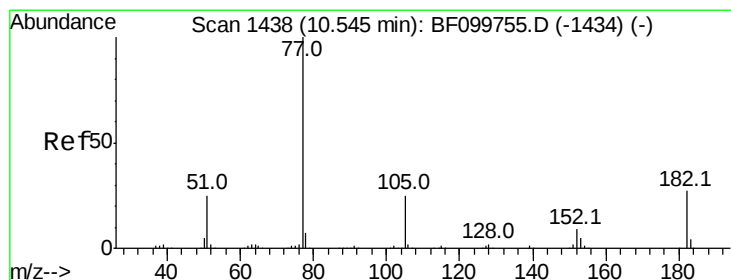
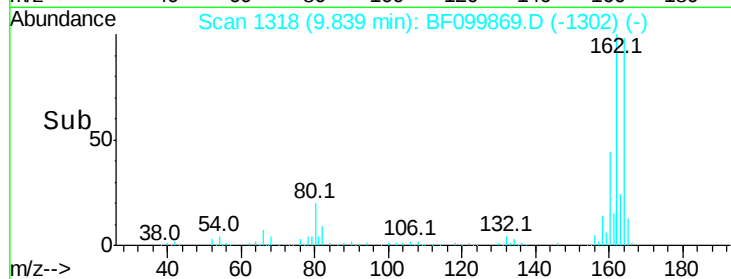
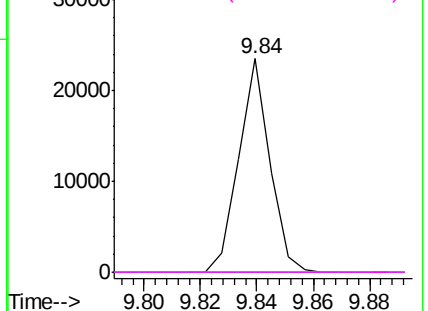


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

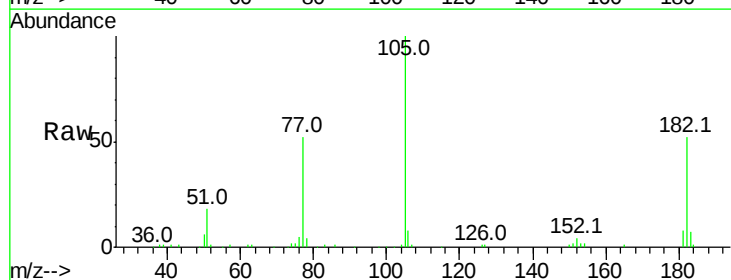
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#62
 Azobenzene
 Concen: 3.612 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.02 min
 Lab File: BF099869.D
 Acq: 26 Oct 2017 19:20

Tgt Ion:	77	Resp:	33525
Ion	Ratio	Lower	Upper
77	100		
182	98.7	1.7	41.7#
105	191.5	3.0	43.0#
51	35.0	9.9	49.9

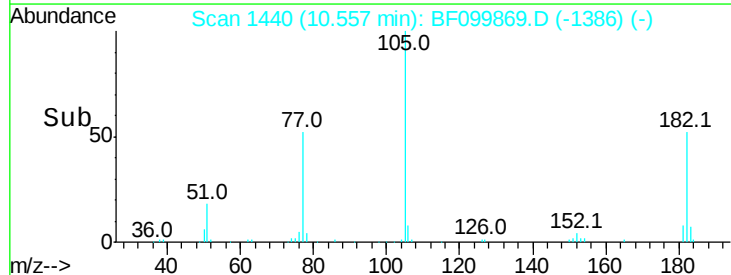
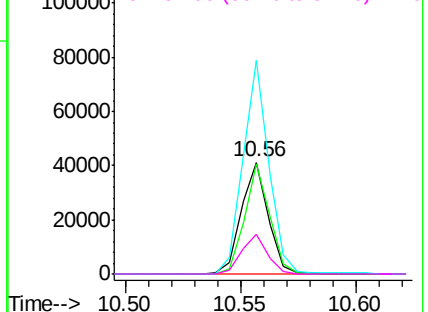


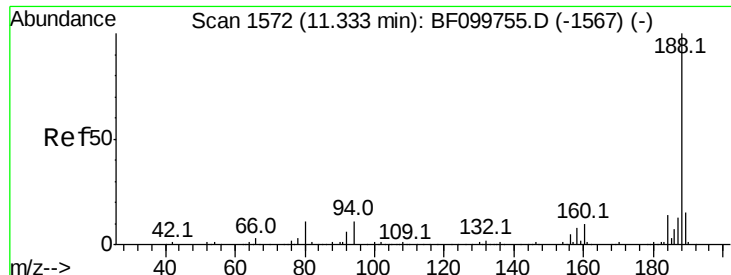
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

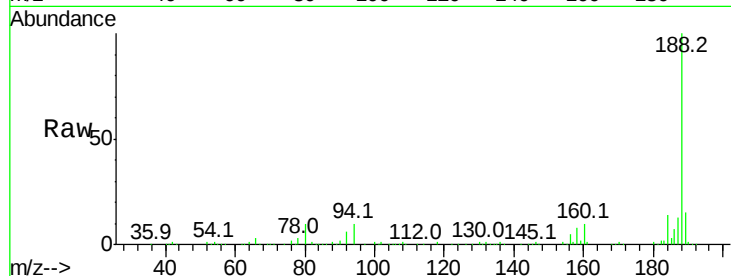




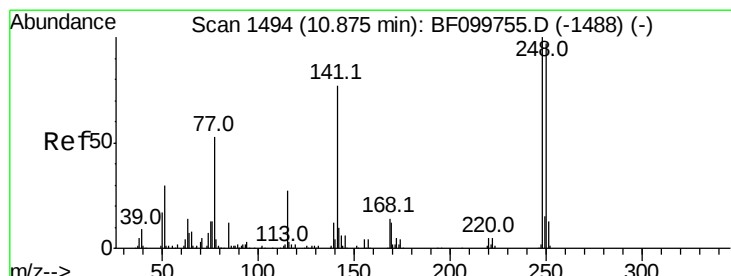
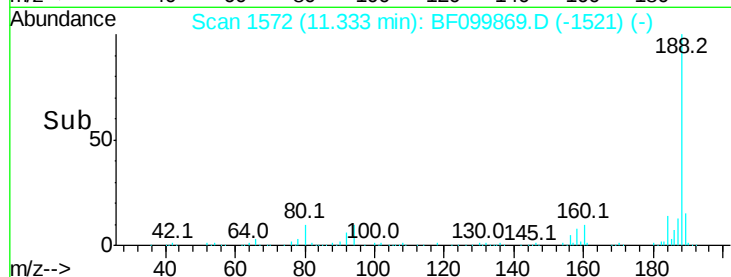
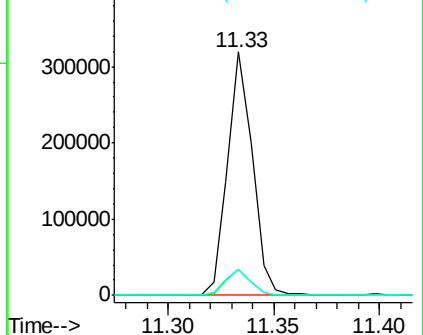
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF099869.D
 Acq: 26 Oct 2017 19:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.5	12.7
80	10.4	9.2	13.8

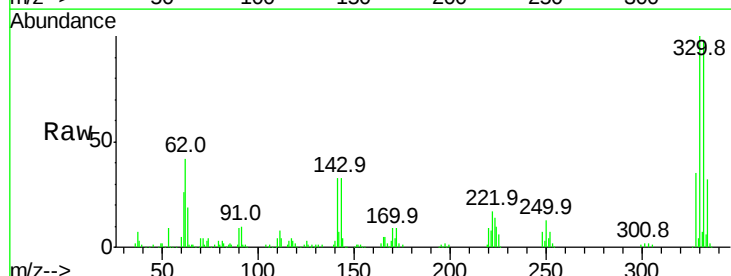


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

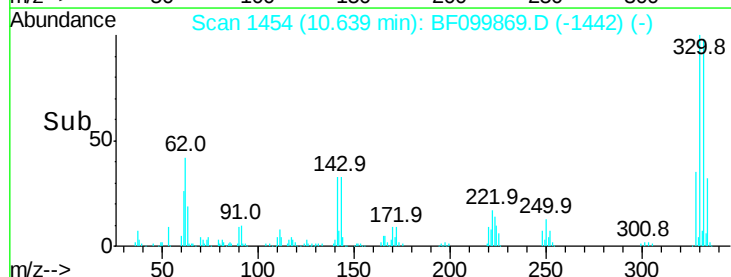
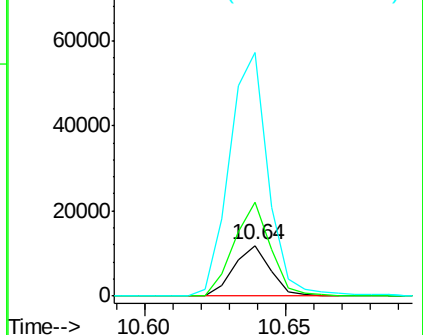


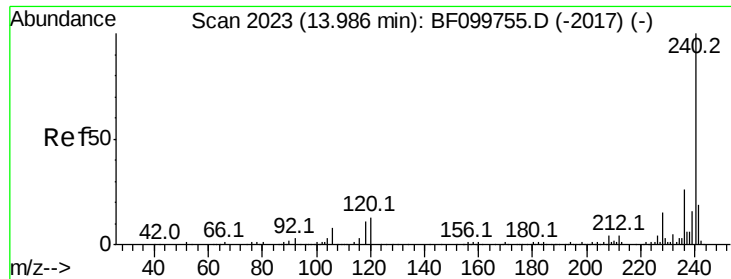
#66
 4-Bromophenyl-phenylether
 Concen: 3.866 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.23 min
 Lab File: BF099869.D
 Acq: 26 Oct 2017 19:20

Tgt Ion	Ratio	Lower	Upper
248	100		
250	185.7	76.9	115.3#
141	483.5	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

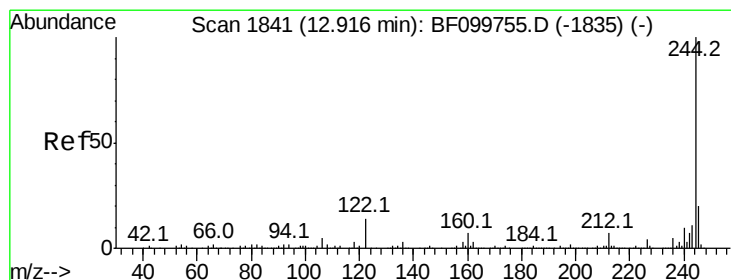
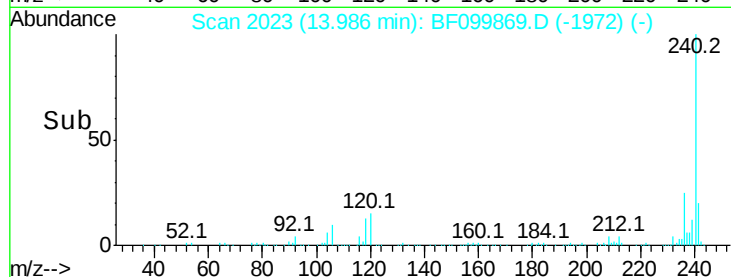
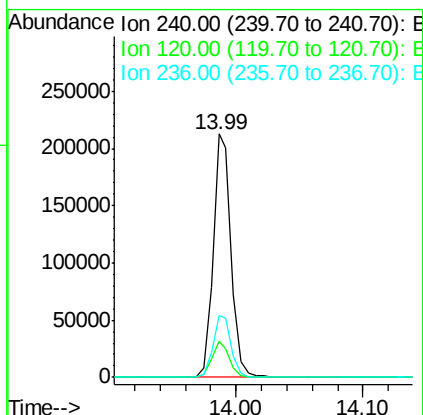
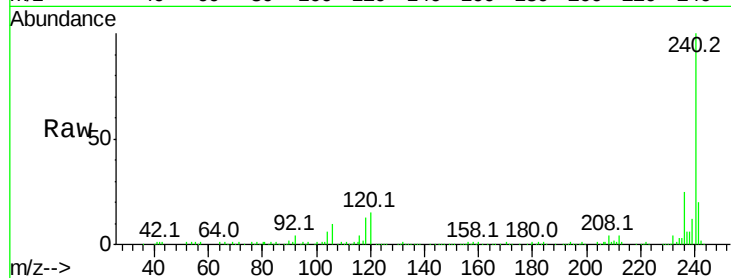




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. 0.00 min
 Lab File: BF099869.D
 Acq: 26 Oct 2017 19:20

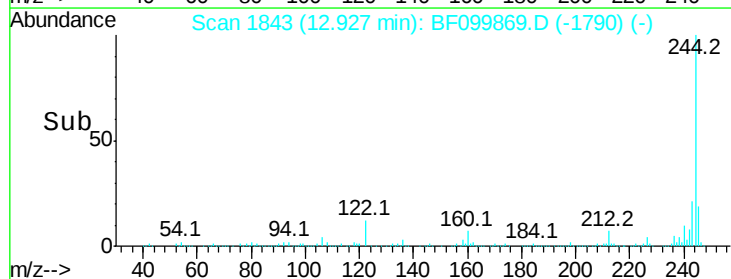
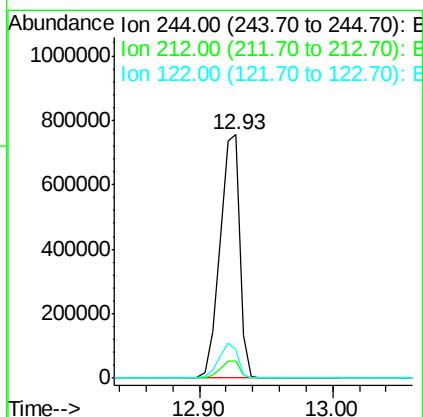
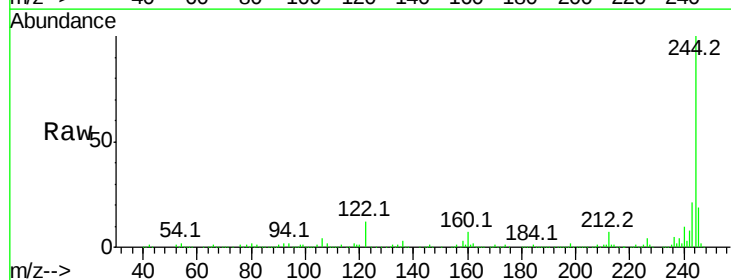
Instrument :
 BNA_F
 ClientSampleID :

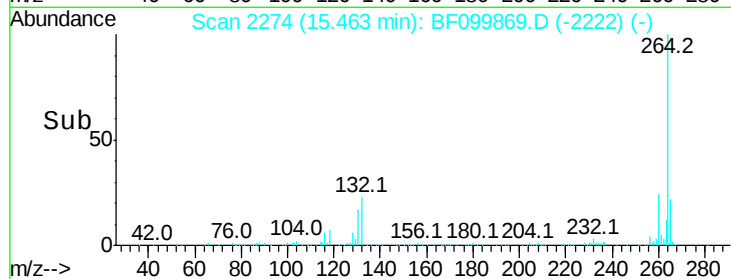
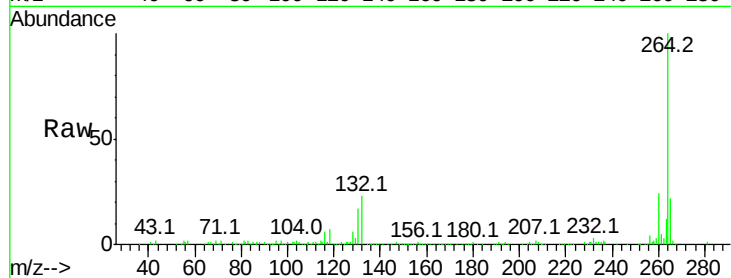
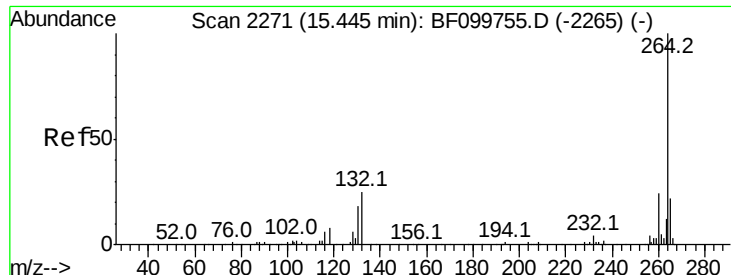
Tot Ion:240 Resp: 210126
 Ion Ratio Lower Upper
 240 100
 120 15.1 9.5 14.3#
 236 25.3 20.7 31.1



#78
 Terphenyl-d14
 Concen: 81.949 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. 0.01 min
 Lab File: BF099869.D
 Acq: 26 Oct 2017 19:20

Tgt Ion:244 Resp: 787947
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 11.5 11.0 16.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.01 min

Lab File: BF099869.D

Acq: 26 Oct 2017 19:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 190789

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.8 17.5 26.3

