

Data Path : Z:\HPCHEM1\BNA F\DATA\BF103017\
 Data File : BF099969.D
 Acq On : 30 Oct 2017 19:29
 Operator : SJ/JU
 Sample : I6182-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 31 02:28:41 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

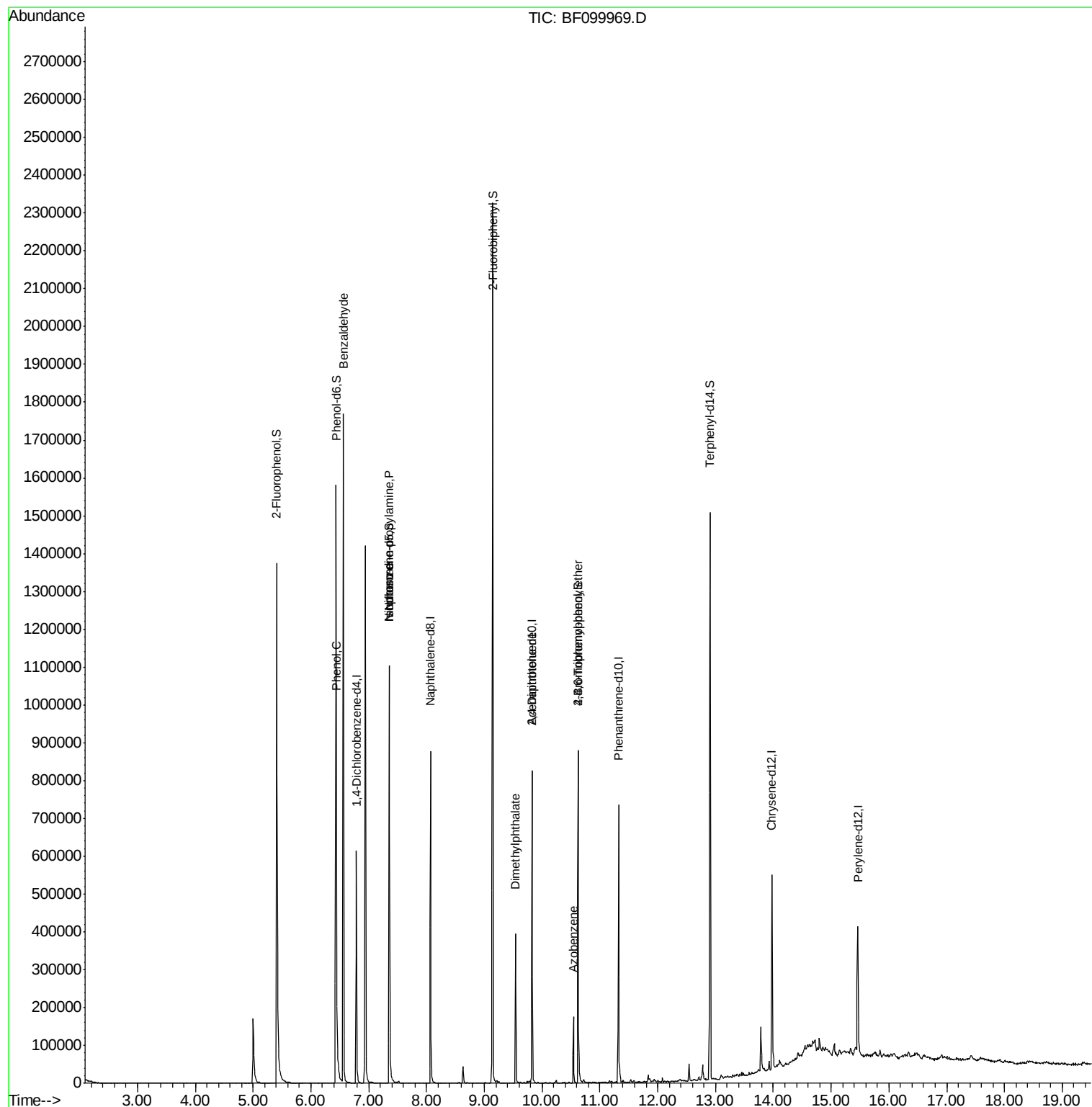
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	98087	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	397901	20.00	ng	-0.01
38) Acenaphthene-d10	9.83	164	168557	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	262750	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	181977	20.00	ng	-0.01
86) Perylene-d12	15.46	264	162303	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	508421	81.38	ng	0.00
7) Phenol-d6	6.43	99	635673	85.81	ng	0.00
23) Nitrobenzene-d5	7.36	82	364338	58.95	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	109847	71.51	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	712323	65.20	ng	-0.01
78) Terphenyl-d14	12.90	244	497975	59.80	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.56	77	9287	2.098	ng	92
10) Phenol	6.45	94	48163	5.921	ng	95
19) n-Nitroso-di-n-propylamine	7.36	70	44725	10.302	ng	# 72
25) Isophorone	7.36	82	364338	32.487	ng	# 64
49) Dimethylphthalate	9.54	163	165967	12.434	ng	99
56) 2,4-Dinitrotoluene	9.83	165	21057	6.231	ng	# 21
62) Azobenzene	10.54	77	27421	2.509	ng	# 1
66) 4-Bromophenyl-phenylether	10.62	248	6780	2.451	ng	# 1

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

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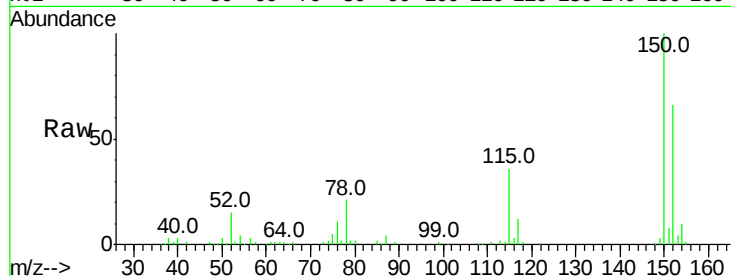


#1

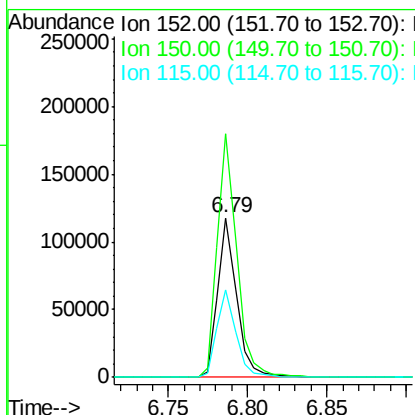
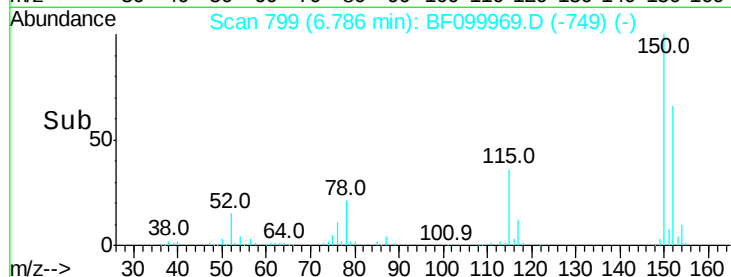
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF099969.D
Acq: 30 Oct 2017 19:29

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 98087
Ion Ratio Lower Upper
152 100
150 152.5 124.6 186.8
115 55.0 50.1 75.1



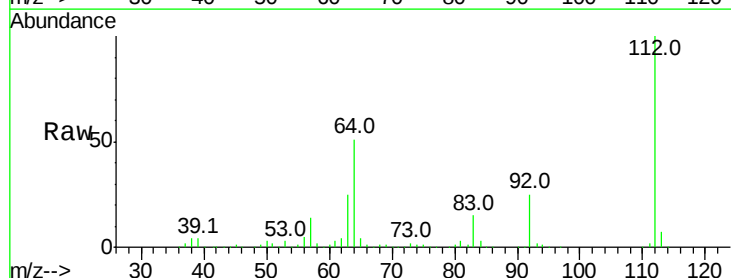
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



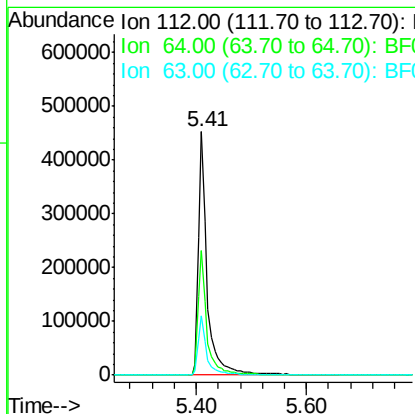
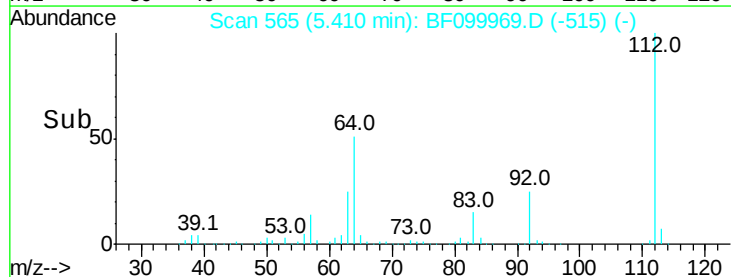
#5

2-Fluorophenol
Concen: 81.377 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF099969.D
Acq: 30 Oct 2017 19:29

Tgt Ion:112 Resp: 508421
Ion Ratio Lower Upper
112 100
64 51.3 47.9 71.9
63 24.6 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: 85.809 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF099969.D

Acq: 30 Oct 2017 19:29

Instrument :

BNA_F

ClientSampleId :

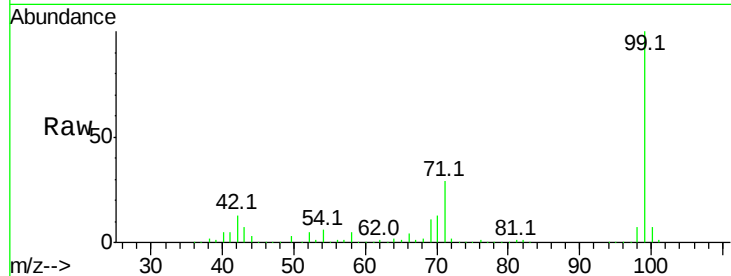
Tot Ion: 99 Resp: 635673

Ion Ratio Lower Upper

99 100

42 13.5 14.5 21.7#

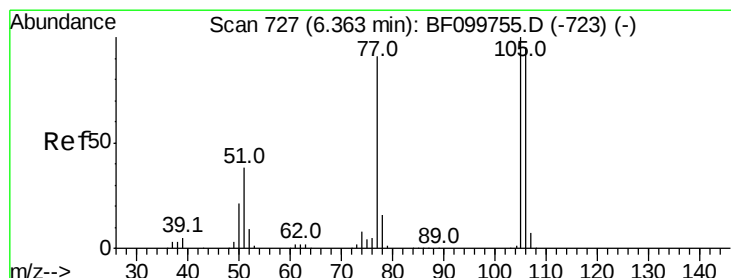
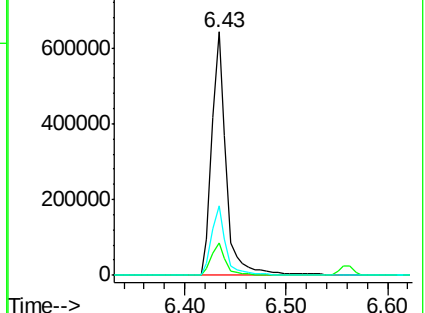
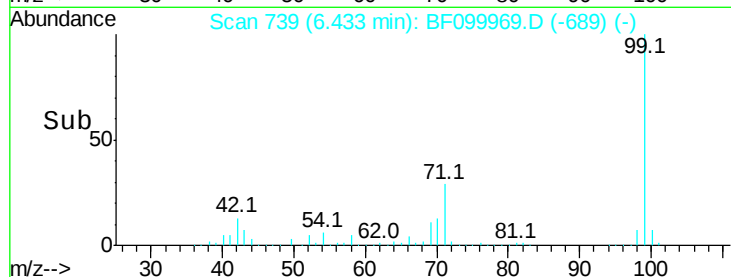
71 28.8 25.4 38.0



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: 2.098 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.21 min

Lab File: BF099969.D

Acq: 30 Oct 2017 19:29

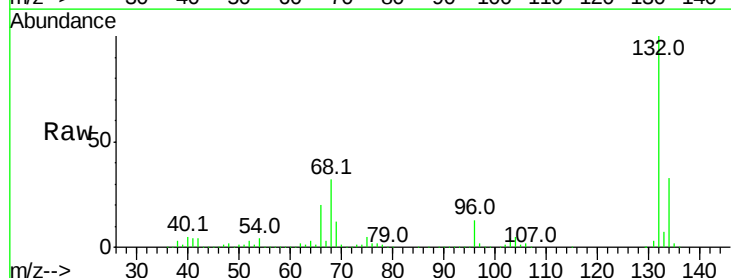
Tgt Ion: 77 Resp: 9287

Ion Ratio Lower Upper

77 100

105 88.3 81.1 121.1

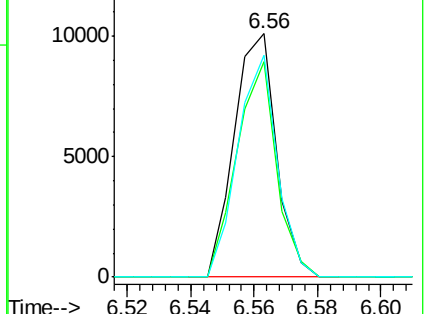
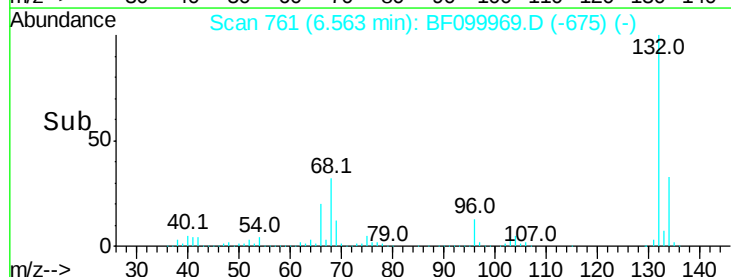
106 91.3 74.5 114.5

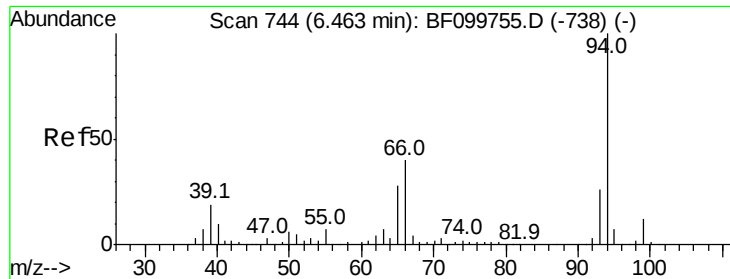


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 5.921 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF099969.D

Acq: 30 Oct 2017 19:29

Instrument :

BNA_F

ClientSampleId :

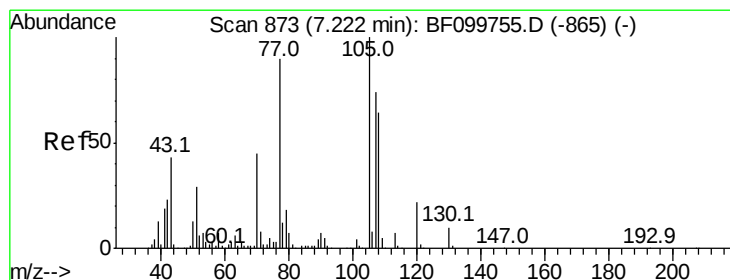
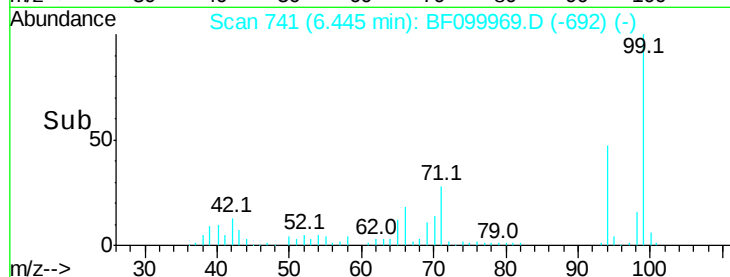
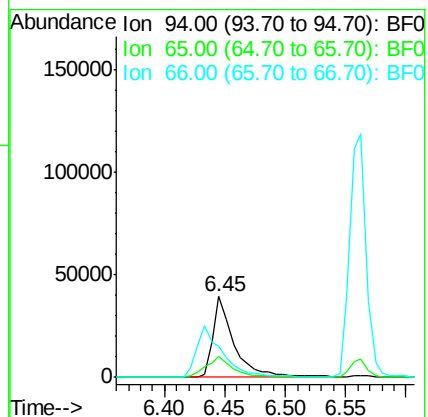
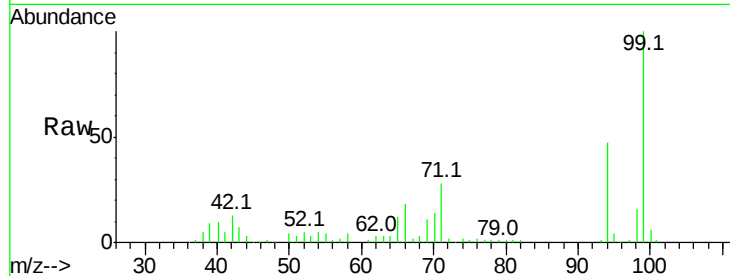
Tot Ion: 94 Resp: 48163

Ion Ratio Lower Upper

94 100

65 25.3 7.9 47.9

66 38.8 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 10.302 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF099969.D

Acq: 30 Oct 2017 19:29

Tgt Ion: 70 Resp: 44725

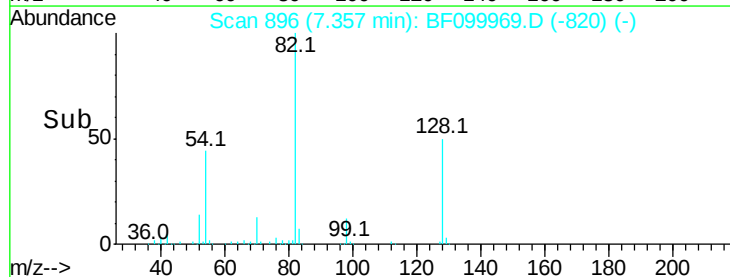
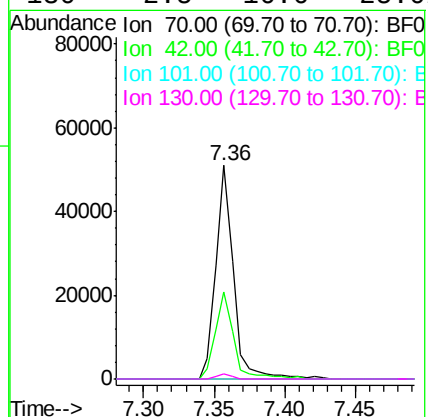
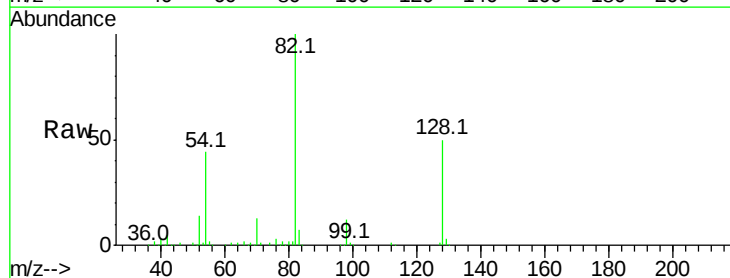
Ion Ratio Lower Upper

70 100

42 40.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

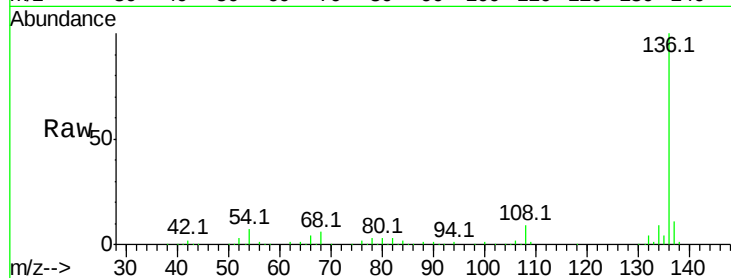




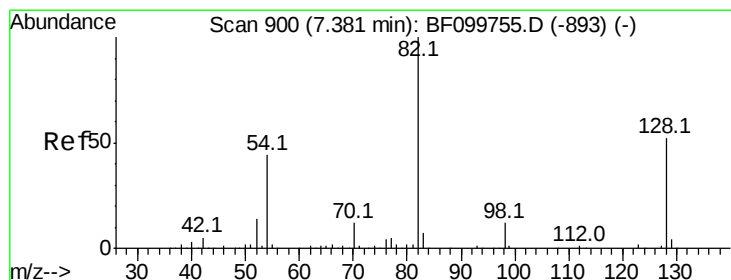
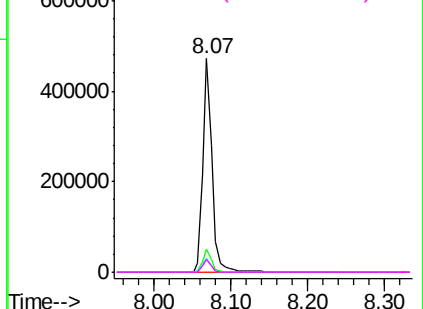
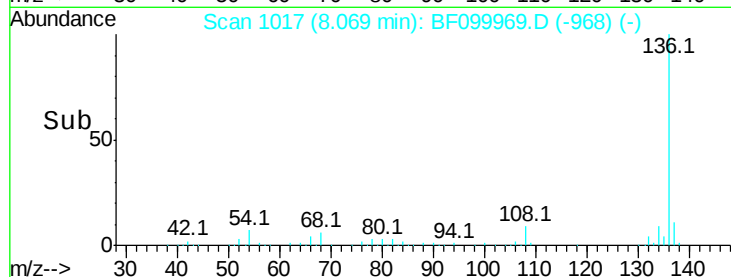
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF099969.D
Acq: 30 Oct 2017 19:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	397901
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.6	6.6	9.8#
68	5.8	5.0	7.4

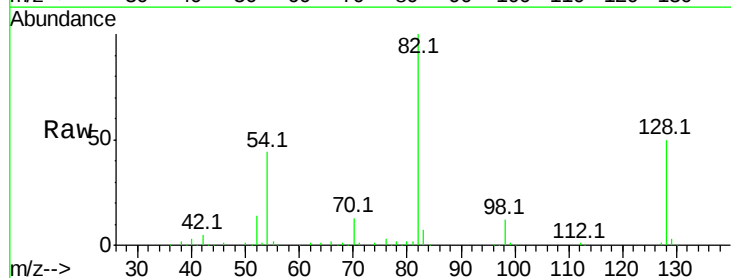


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

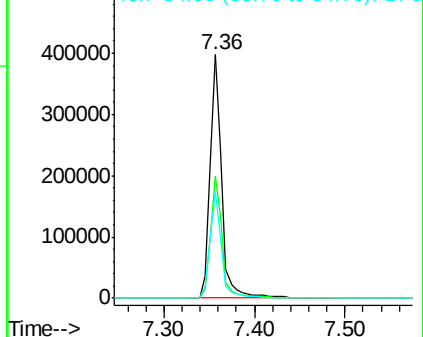
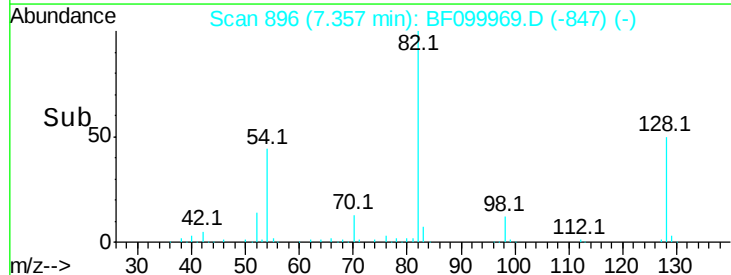


#23
Nitrobenzene-d5
Concen: 58.950 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF099969.D
Acq: 30 Oct 2017 19:29

Tgt Ion:	82	Resp:	364338
Ion	Ratio	Lower	Upper
82	100		
128	50.2	36.1	54.1
54	43.8	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: 32.487 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF099969.D

Acq: 30 Oct 2017 19:29

Instrument :

BNA_F

ClientSampleId :

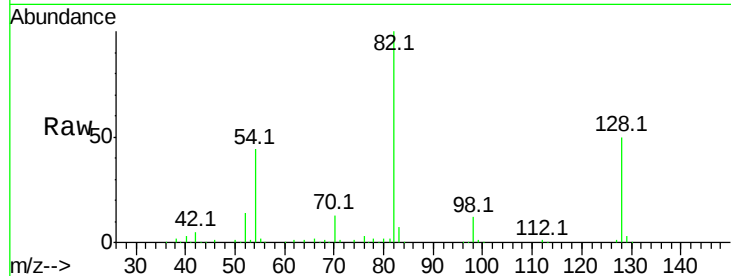
Tot Ion: 82 Resp: 364338

Ion Ratio Lower Upper

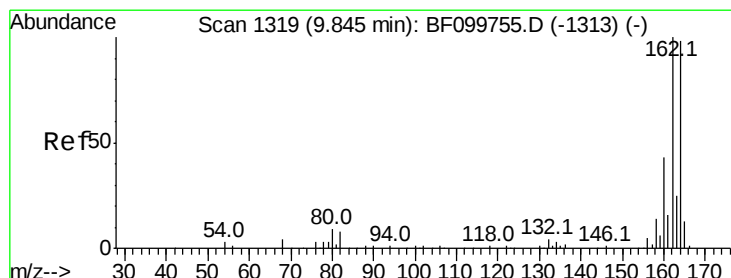
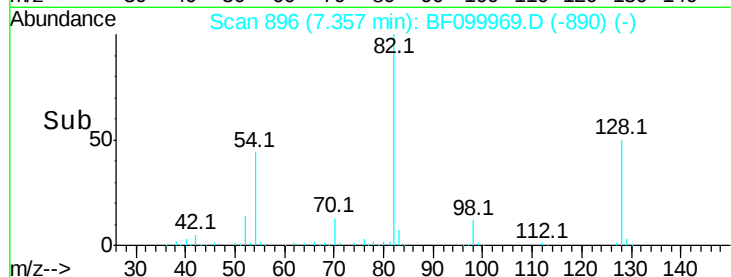
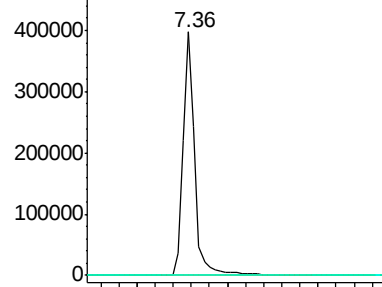
82 100

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# 1316

Delta R.T. -0.01 min

Lab File: BF099969.D

Acq: 30 Oct 2017 19:29

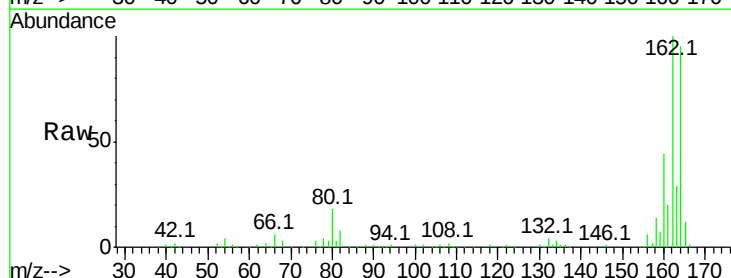
Tgt Ion:164 Resp: 168557

Ion Ratio Lower Upper

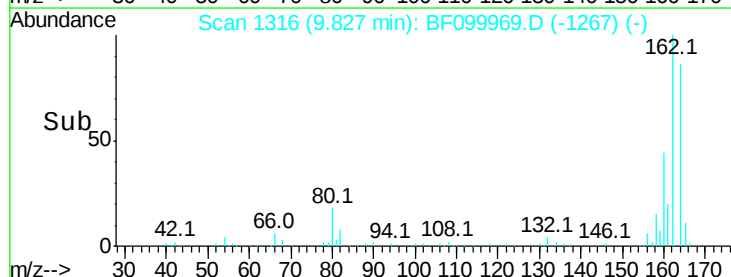
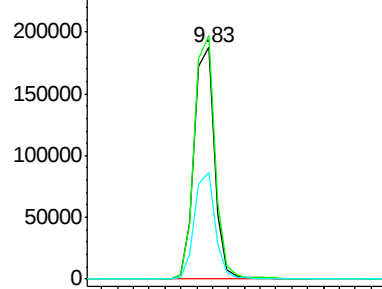
164 100

162 105.0 86.1 129.1

160 46.0 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

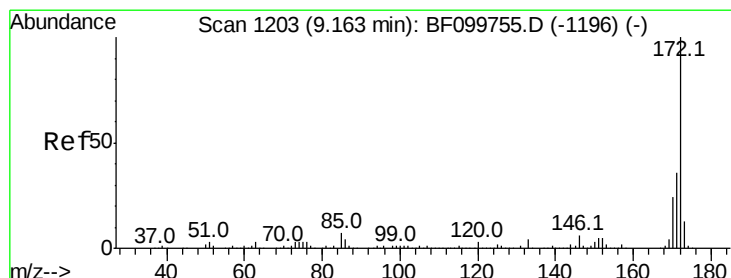
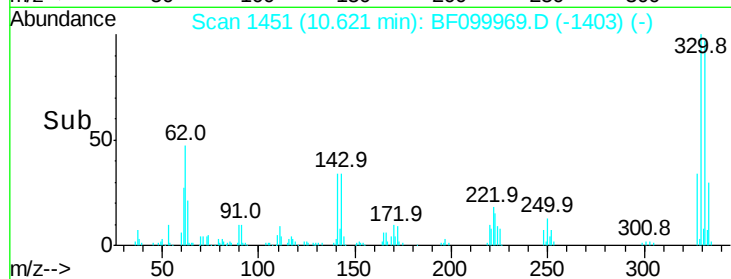
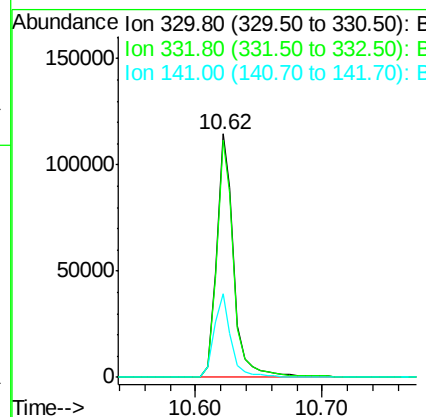
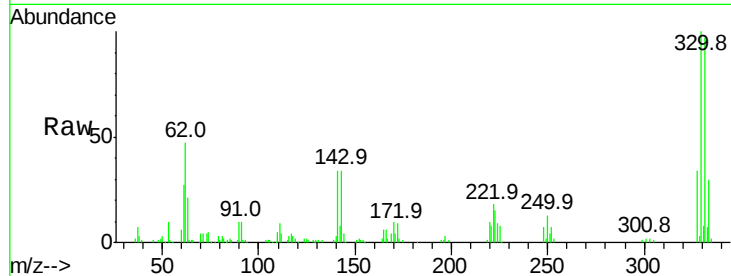




#41
 2,4,6-Tribromophenol
 Concen: 71.511 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.02 min
 Lab File: BF099969.D
 Acq: 30 Oct 2017 19:29

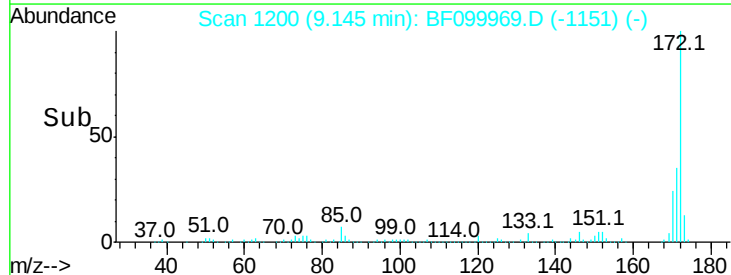
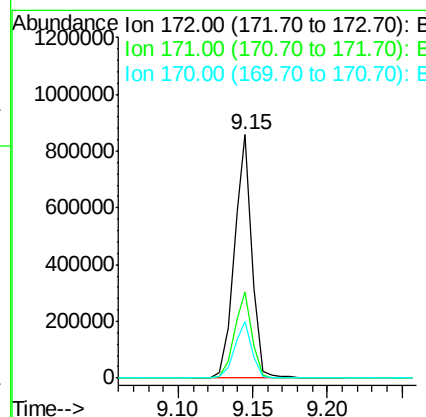
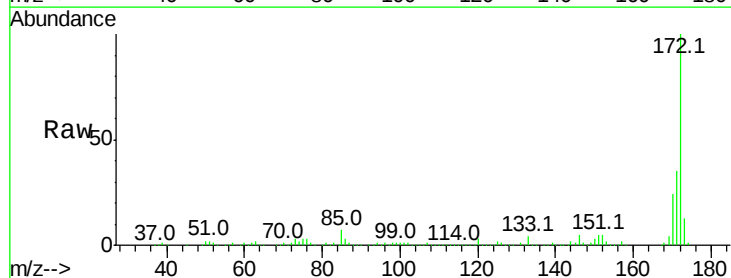
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	34.0	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 65.200 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF099969.D
 Acq: 30 Oct 2017 19:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.5	19.6	29.4

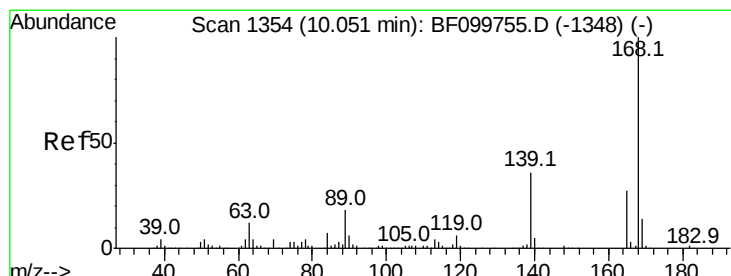
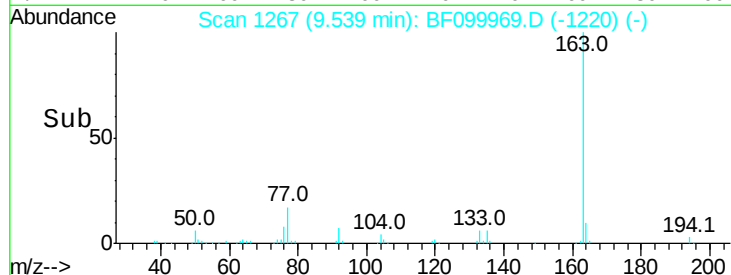
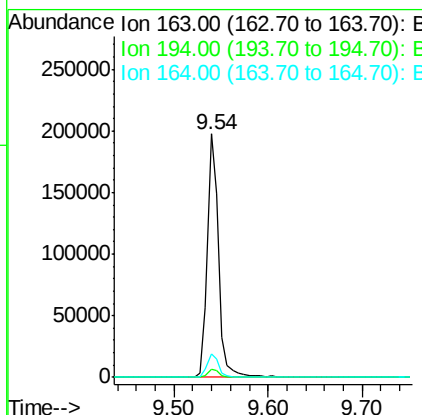
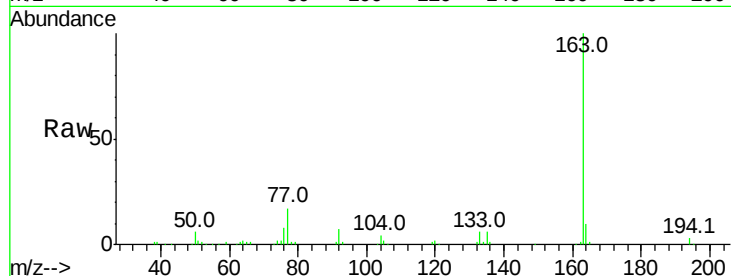




#49
Dimethylphthalate
Concen: 12.434 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF099969.D
Acq: 30 Oct 2017 19:29

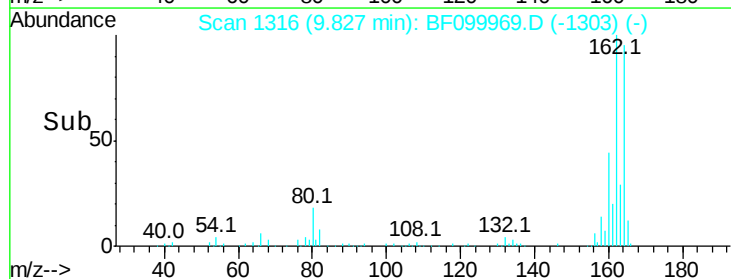
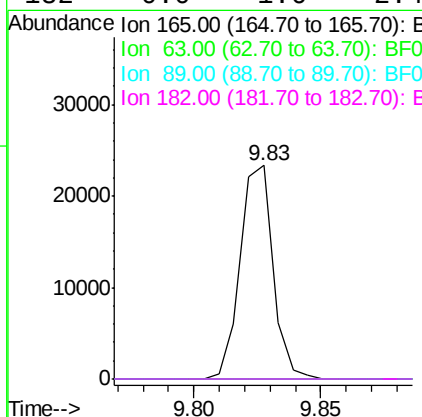
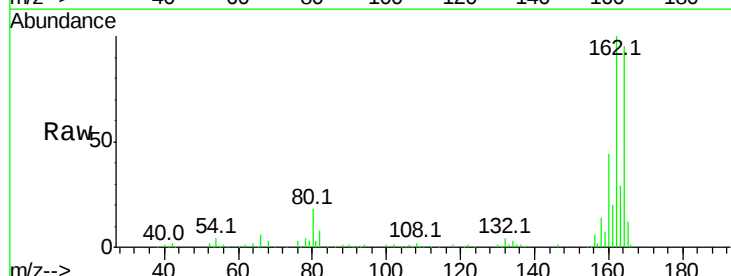
Instrument :
BNA_F
ClientSampled :

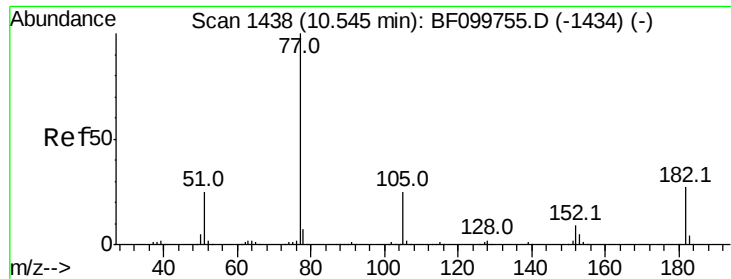
Tot Ion:163 Resp: 165967
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.9 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 6.231 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.22 min
Lab File: BF099969.D
Acq: 30 Oct 2017 19:29

Tgt Ion:165 Resp: 21057
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#





#62

Azobenzene

Concen: 2.509 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF099969.D

Acq: 30 Oct 2017 19:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 27421

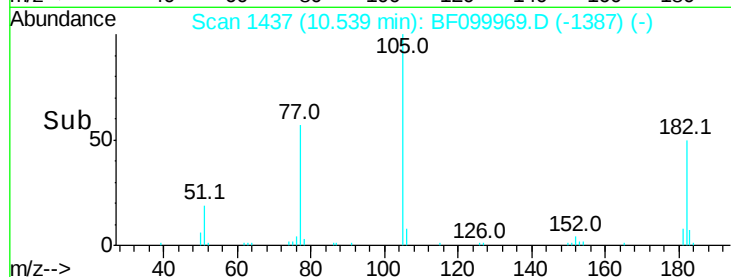
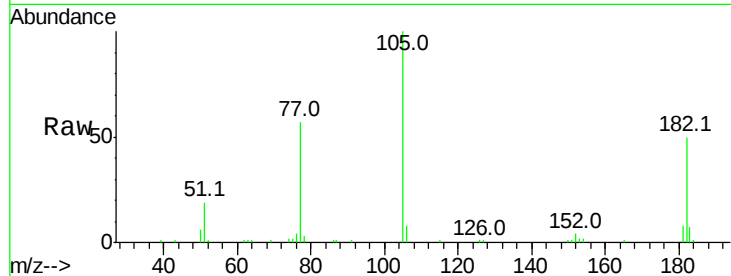
Ion Ratio Lower Upper

77 100

182 88.9 1.7 41.7#

105 176.5 3.0 43.0#

51 33.1 9.9 49.9

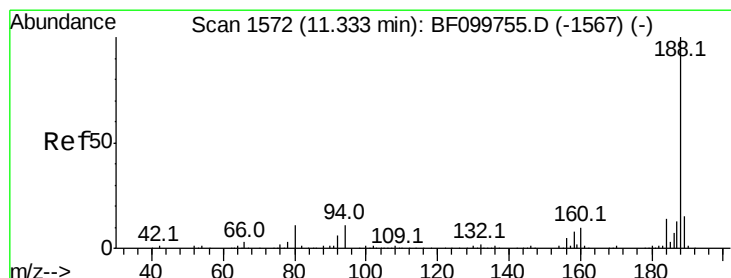
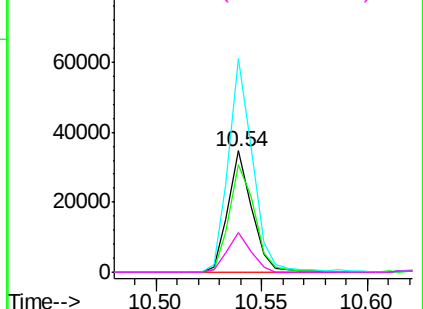


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF099969.D

Acq: 30 Oct 2017 19:29

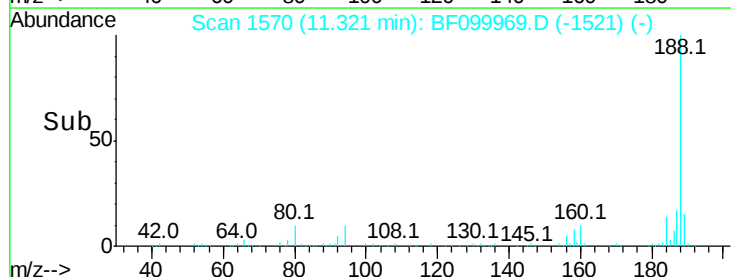
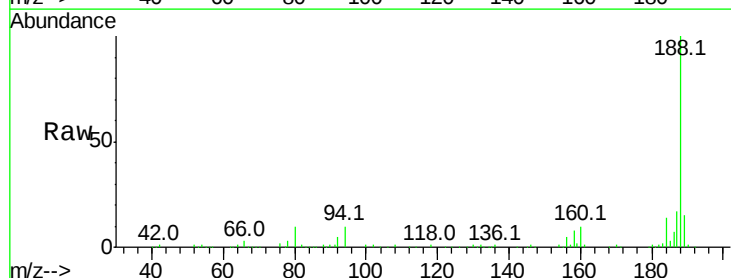
Tgt Ion: 188 Resp: 262750

Ion Ratio Lower Upper

188 100

94 9.6 8.5 12.7

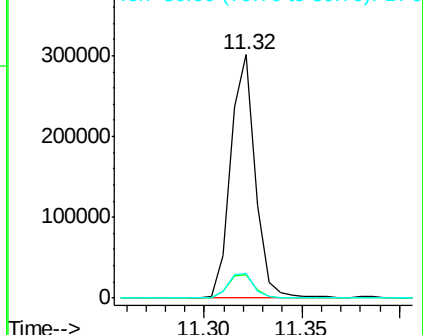
80 10.3 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): BF0

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

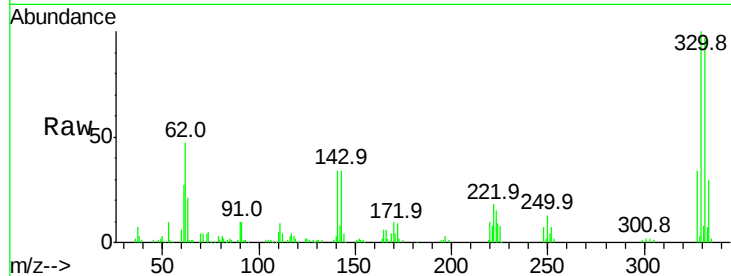




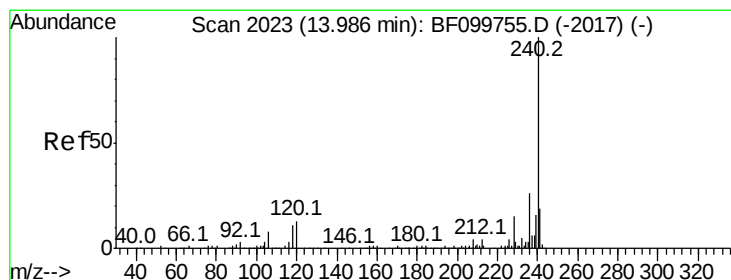
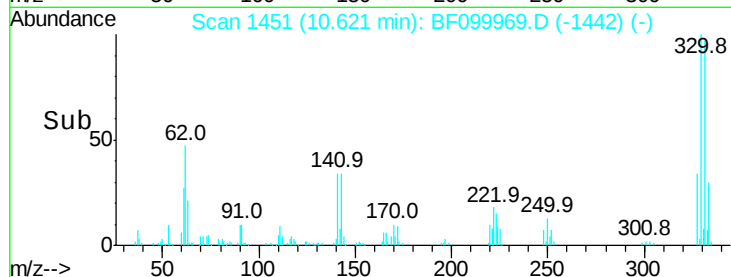
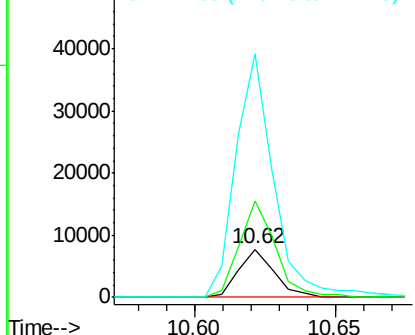
#66
4-Bromophenyl-phenylether
Concen: 2.451 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.25 min
Lab File: BF099969.D
Acq: 30 Oct 2017 19:29

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 6780
Ion Ratio Lower Upper
248 100
250 200.4 76.9 115.3#
141 507.9 74.4 111.6#

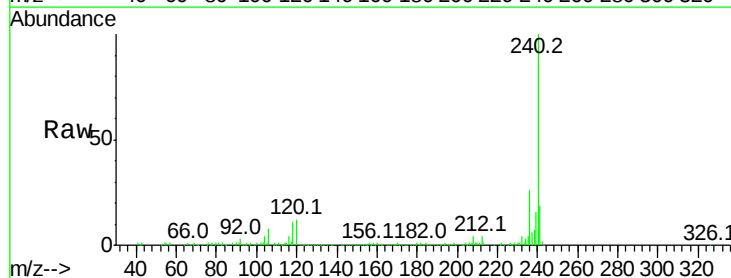


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

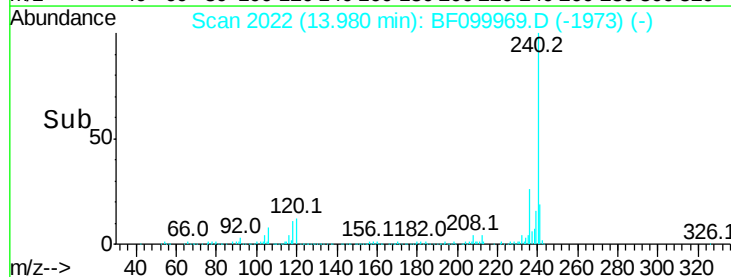
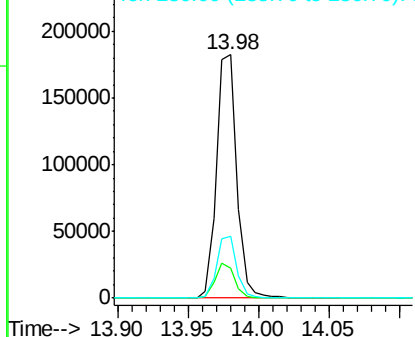


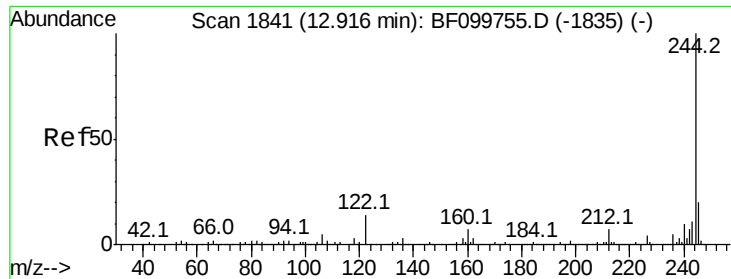
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF099969.D
Acq: 30 Oct 2017 19:29

Tgt Ion:240 Resp: 181977
Ion Ratio Lower Upper
240 100
120 12.1 9.5 14.3
236 25.6 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: 59.802 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.02 min

Lab File: BF099969.D

Acq: 30 Oct 2017 19:29

Instrument :

BNA_F

ClientSampleId :

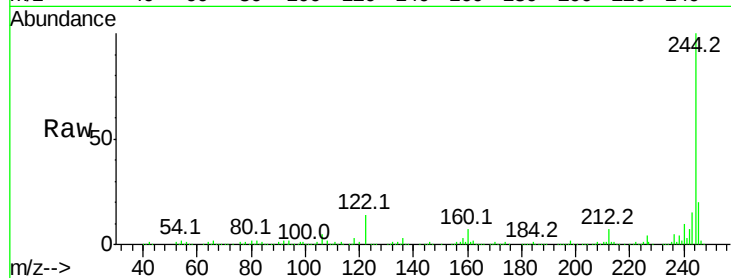
Tot Ion:244 Resp: 497975

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

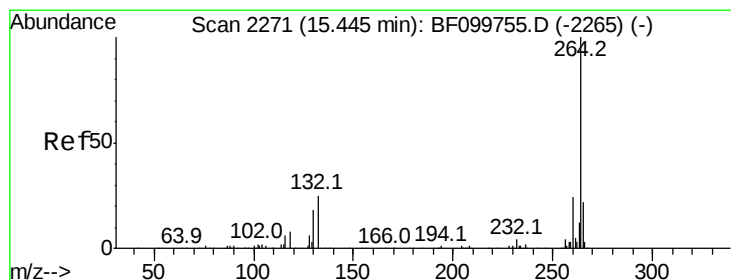
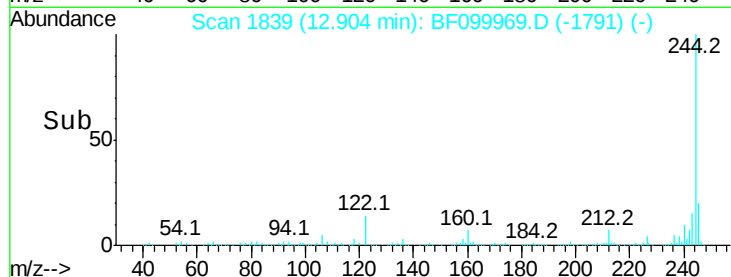
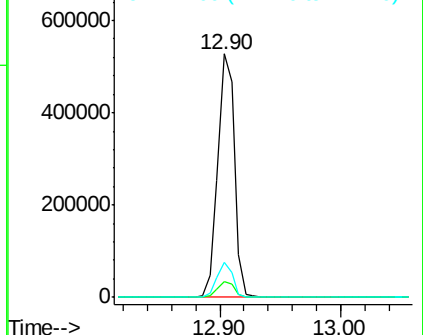
122 14.2 11.0 16.4



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: 15.46 min Scan# 2274

Delta R.T. 0.01 min

Lab File: BF099969.D

Acq: 30 Oct 2017 19:29

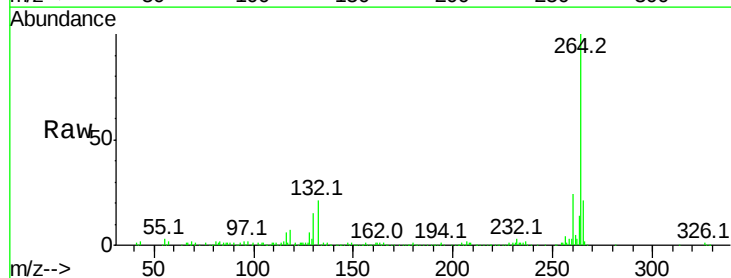
Tgt Ion:264 Resp: 162303

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.3 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

