

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
 Data File : BF099611.D
 Acq On : 18 Oct 2017 12:22
 Operator : SJ/JU
 Sample : I5907-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 18 15:20:54 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 18 15:18:49 2017
 Response via : Initial Calibration

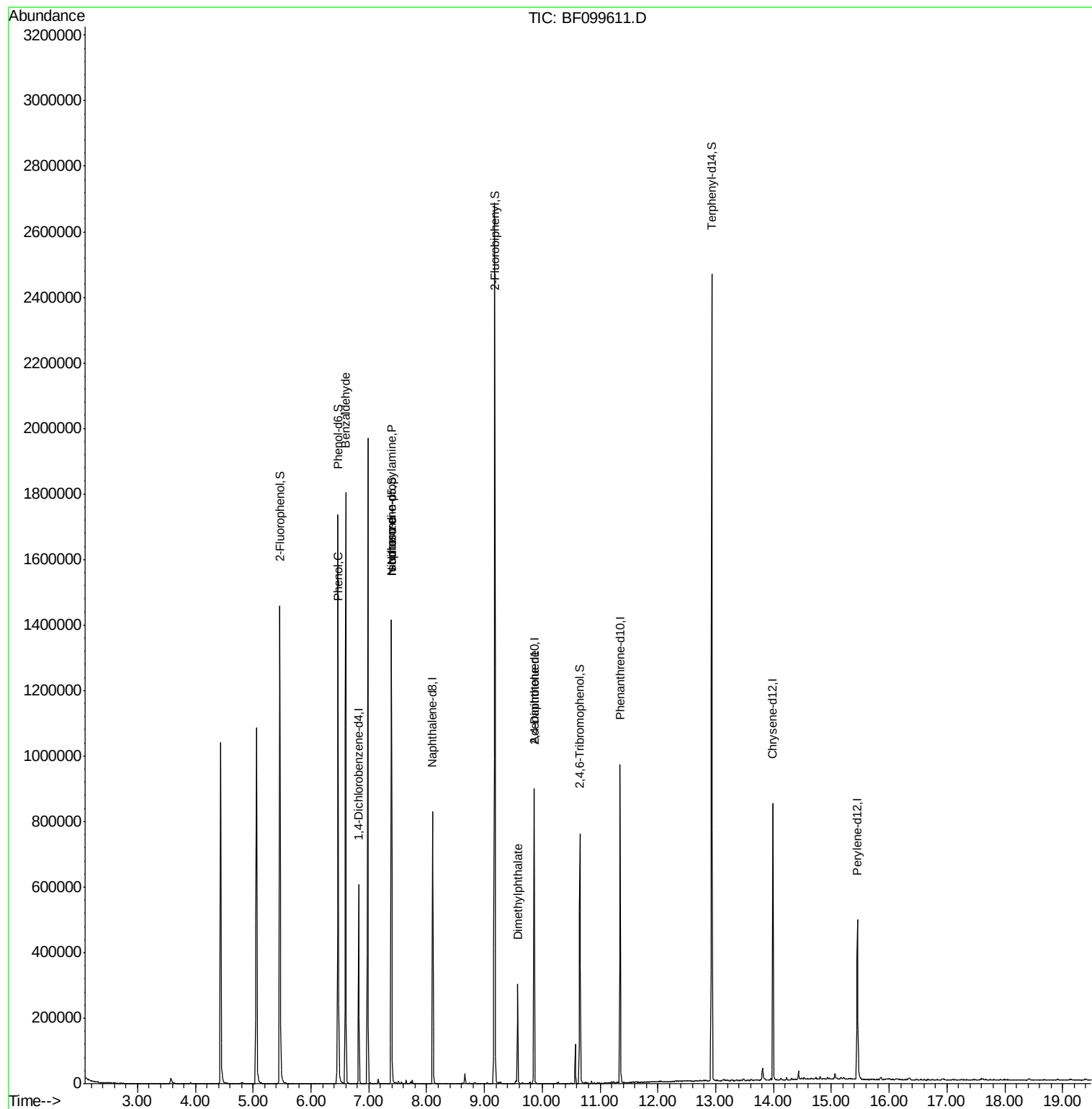
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	102489	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	420757	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	197518	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	362331	20.00	ng	0.00
75) Chrysene-d12	13.99	240	291907	20.00	ng	0.00
86) Perylene-d12	15.45	264	216504	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	456869	70.96	ng	0.01
7) Phenol-d6	6.47	99	712036	89.65	ng	-0.01
23) Nitrobenzene-d5	7.39	82	487298	74.27	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	84046	52.00	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	950170	80.31	ng	0.00
78) Terphenyl-d14	12.93	244	860480	67.04	ng	0.00
Target Compounds						
9) Benzaldehyde	6.60	77	9487	2.059	ng	88
10) Phenol	6.48	94	18340	2.065	ng	92
19) n-Nitroso-di-n-propylamine	7.39	70	61103	12.050	ng	# 71
25) Isophorone	7.39	82	487293	35.923	ng	# 64
49) Dimethylphthalate	9.57	163	127576	8.558	ng	99
56) 2,4-Dinitrotoluene	9.86	165	25118	5.963	ng	# 22

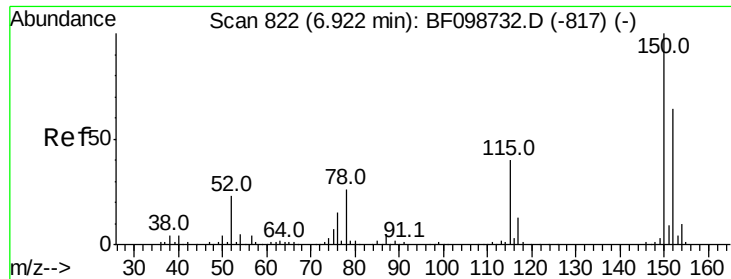
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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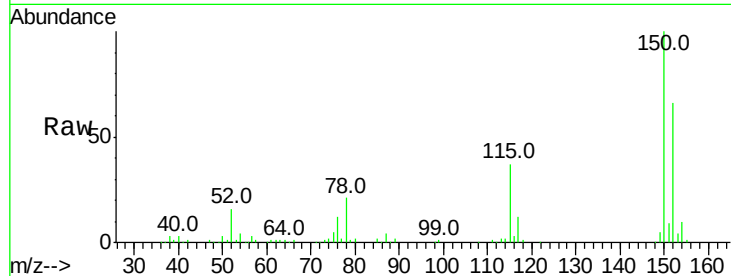


#1

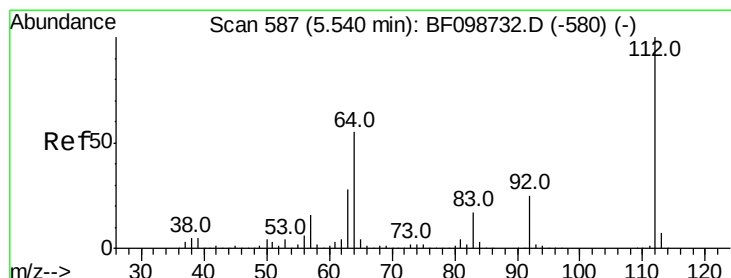
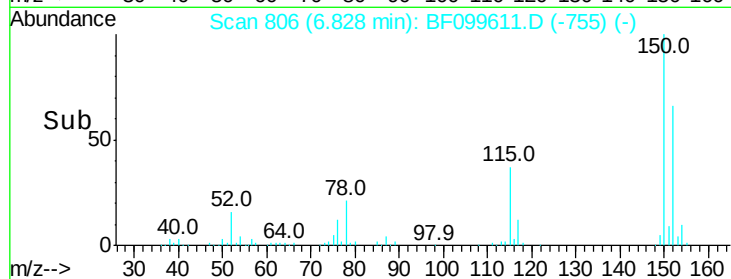
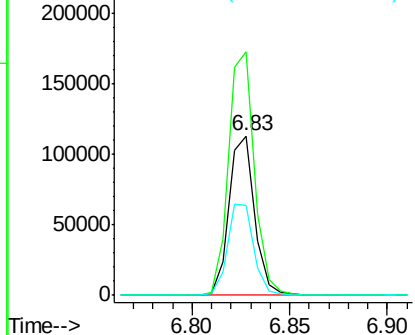
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: BF099611.D
 Acq: 18 Oct 2017 12:22

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 102489
 Ion Ratio Lower Upper
 152 100
 150 152.5 124.6 186.8
 115 56.4 50.1 75.1



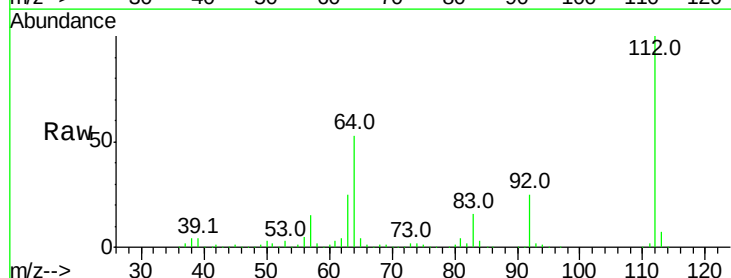
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



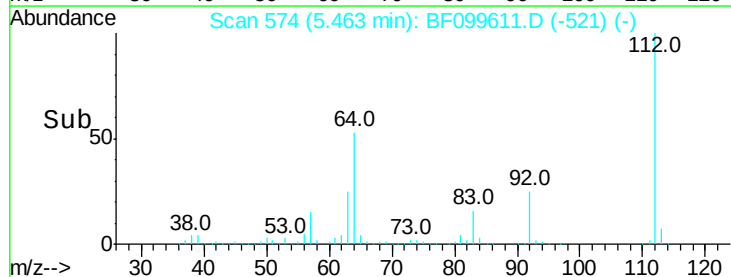
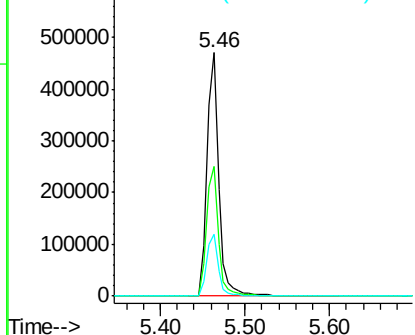
#5

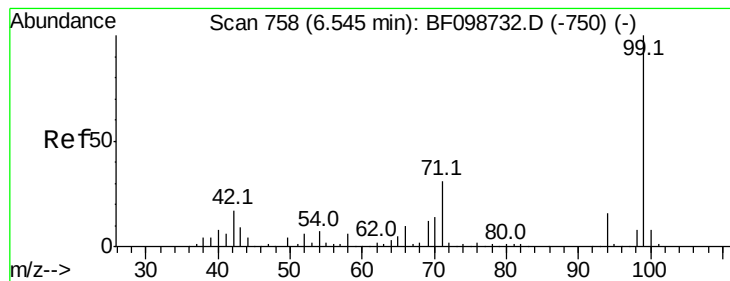
2-Fluorophenol
 Concen: 70.963 ng
 RT: 5.46 min Scan# 574
 Delta R.T. 0.01 min
 Lab File: BF099611.D
 Acq: 18 Oct 2017 12:22

Tgt Ion:112 Resp: 456869
 Ion Ratio Lower Upper
 112 100
 64 53.2 47.9 71.9
 63 25.4 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: 89.652 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF099611.D

Acq: 18 Oct 2017 12:22

Instrument :

BNA_F

ClientSampleId :

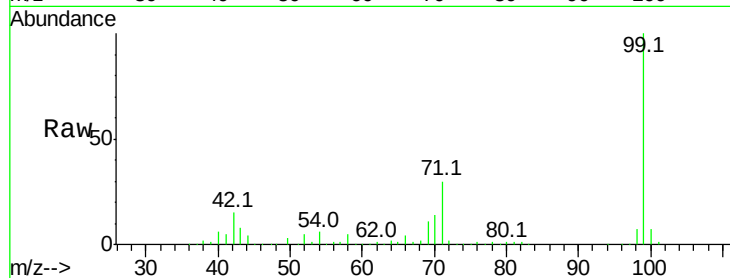
Tot Ion: 99 Resp: 712036

Ion Ratio Lower Upper

99 100

42 14.6 14.5 21.7

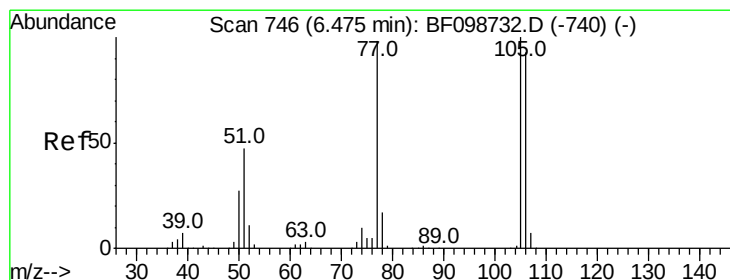
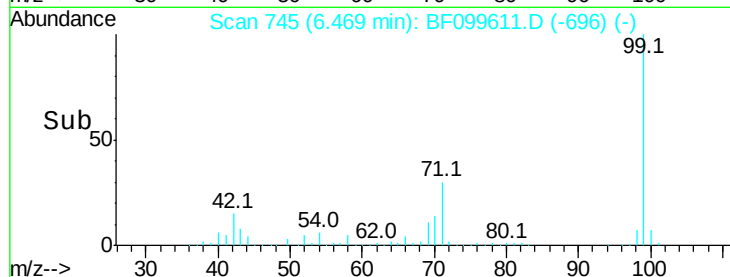
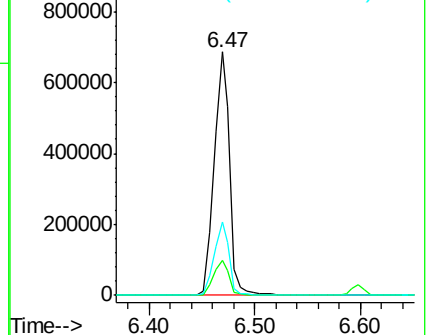
71 30.1 25.4 38.0



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: 2.059 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.21 min

Lab File: BF099611.D

Acq: 18 Oct 2017 12:22

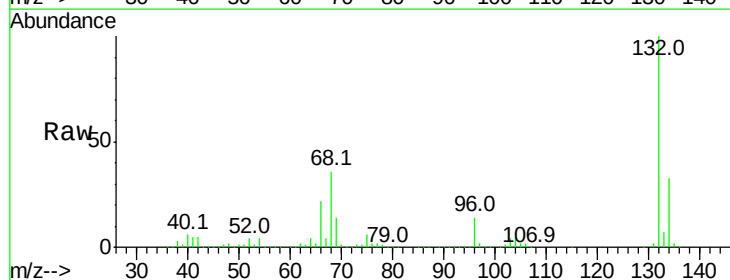
Tgt Ion: 77 Resp: 9487

Ion Ratio Lower Upper

77 100

105 84.4 81.1 121.1

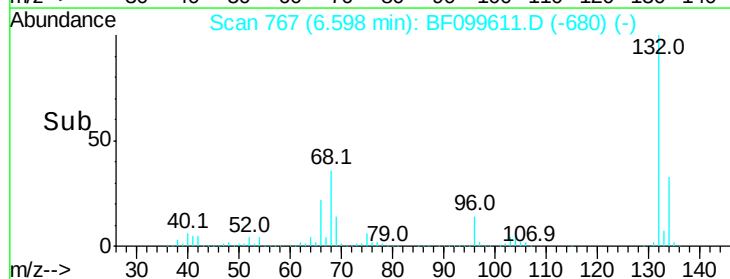
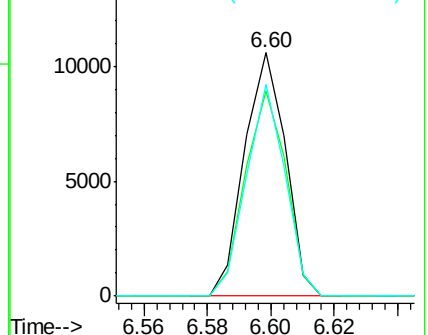
106 86.9 74.5 114.5

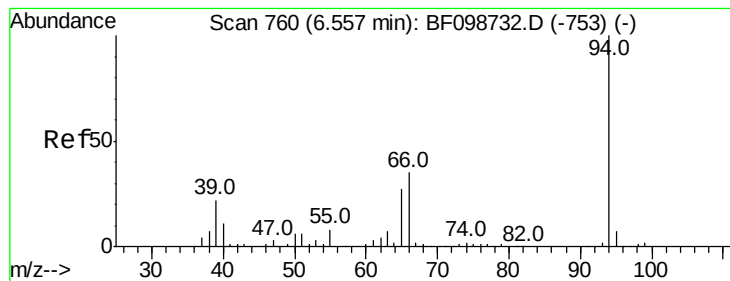


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 2.065 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099611.D

Acq: 18 Oct 2017 12:22

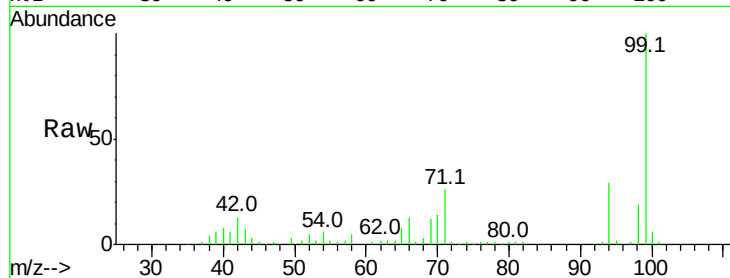
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 94 Resp: 18340

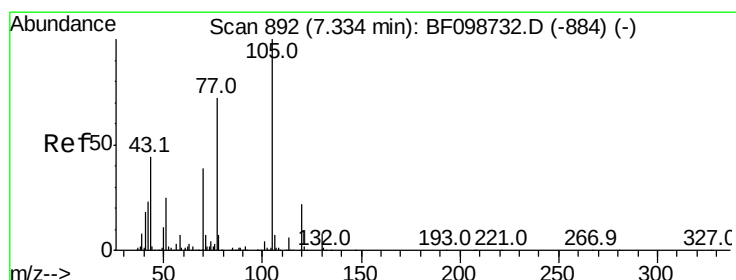
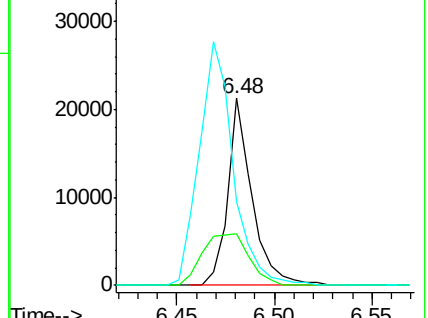
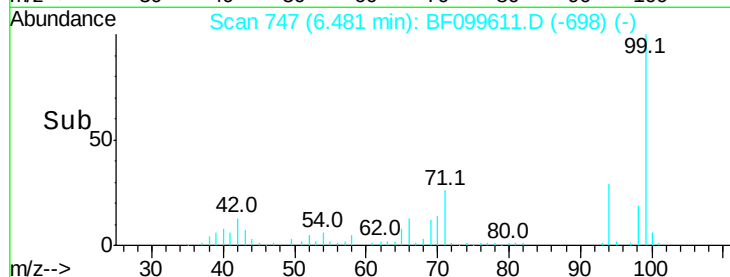
Ion	Ratio	Lower	Upper
94	100		
65	27.4	7.9	47.9
66	44.5	16.2	56.2



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: 12.050 ng

RT: 7.39 min Scan# 902

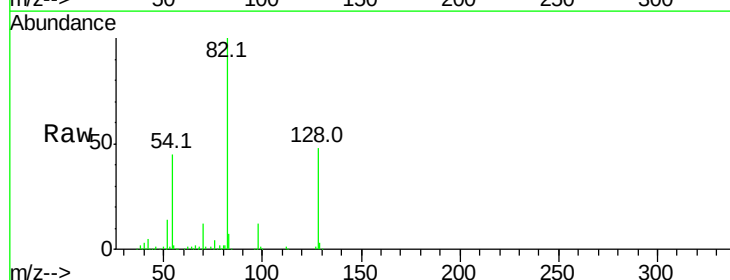
Delta R.T. 0.15 min

Lab File: BF099611.D

Acq: 18 Oct 2017 12:22

Tgt Ion: 70 Resp: 61103

Ion	Ratio	Lower	Upper
70	100		
42	40.4	47.5	71.3#
101	0.0	7.4	11.2#
130	2.4	16.6	25.0#

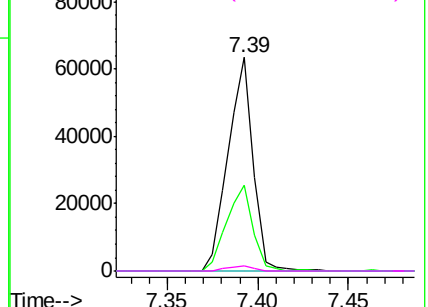
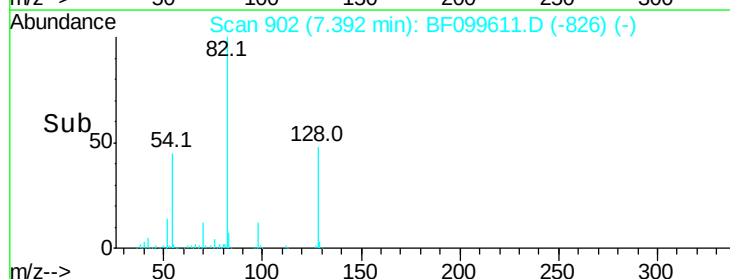


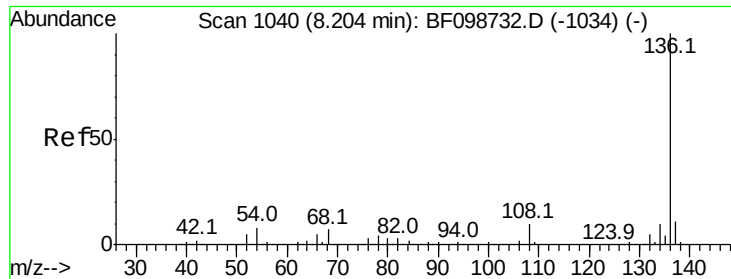
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

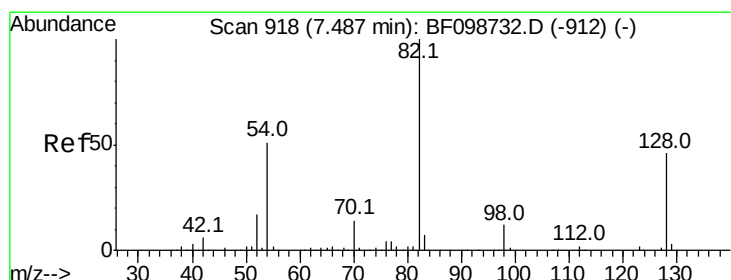
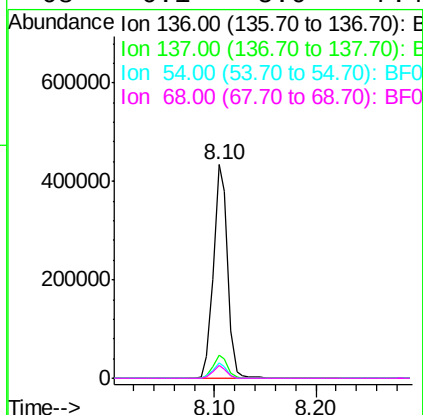
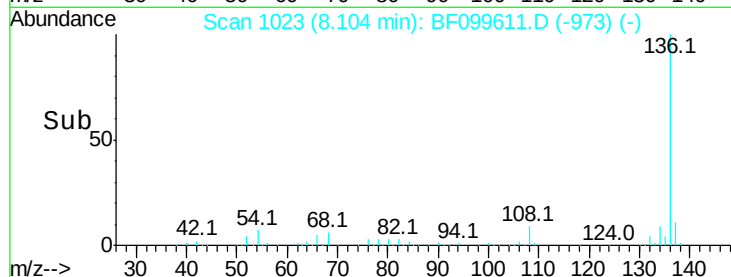
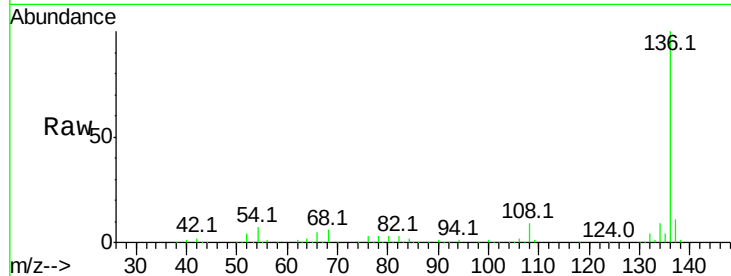




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF099611.D
Acq: 18 Oct 2017 12:22

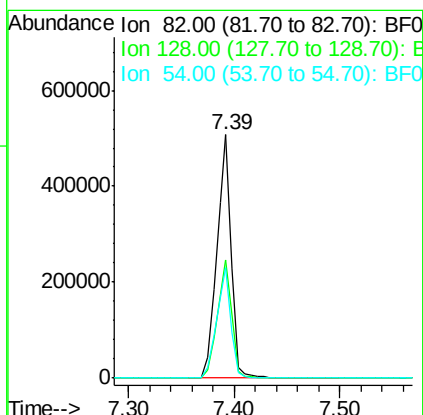
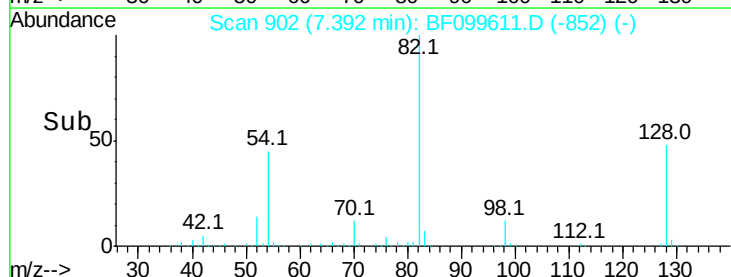
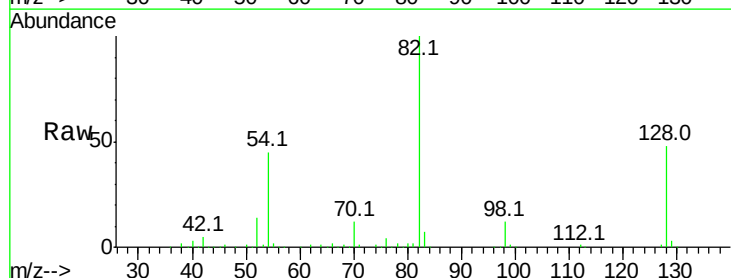
Instrument :
BNA_F
ClientSampleId :

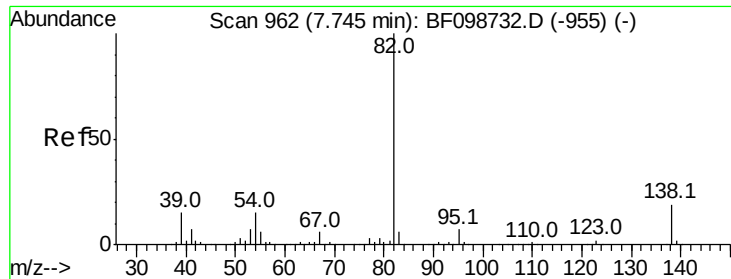
Tot Ion:	136	Resp:	420757
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.3	6.6	9.8
68	6.1	5.0	7.4



#23
Nitrobenzene-d5
Concen: 74.272 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF099611.D
Acq: 18 Oct 2017 12:22

Tgt Ion:	82	Resp:	487298
Ion	Ratio	Lower	Upper
82	100		
128	48.5	36.1	54.1
54	45.2	41.4	62.2





#25

Isophorone

Concen: 35.923 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF099611.D

Acq: 18 Oct 2017 12:22

Instrument :

BNA_F

ClientSampleId :

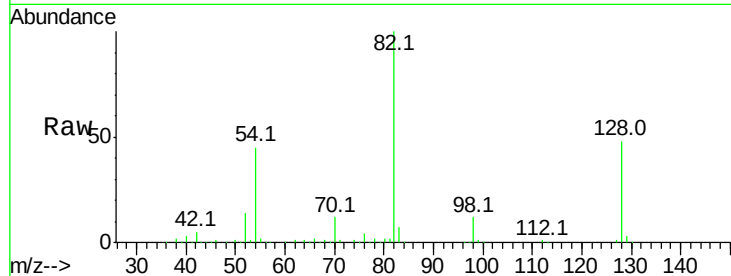
Tot Ion: 82 Resp: 487293

Ion Ratio Lower Upper

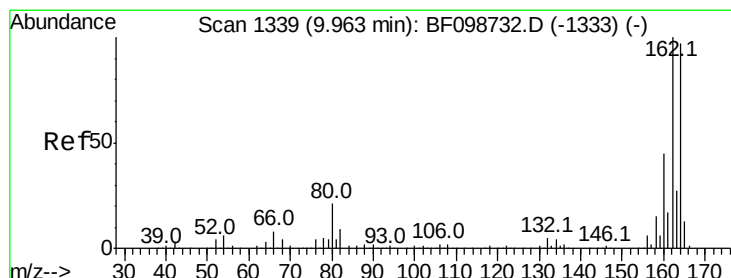
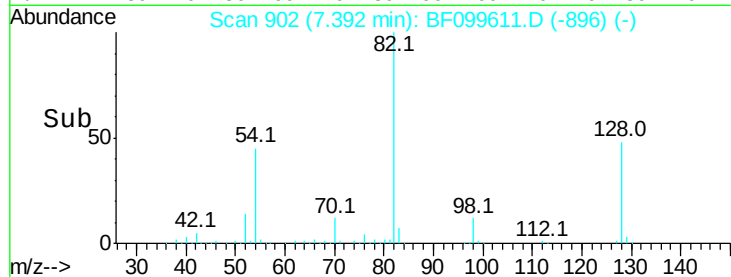
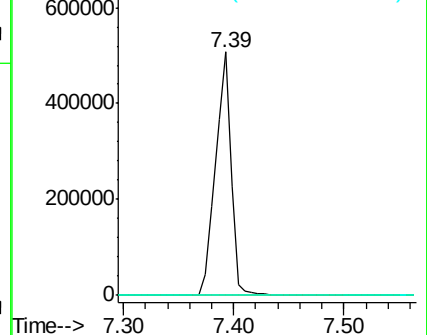
82 100

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: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF099611.D

Acq: 18 Oct 2017 12:22

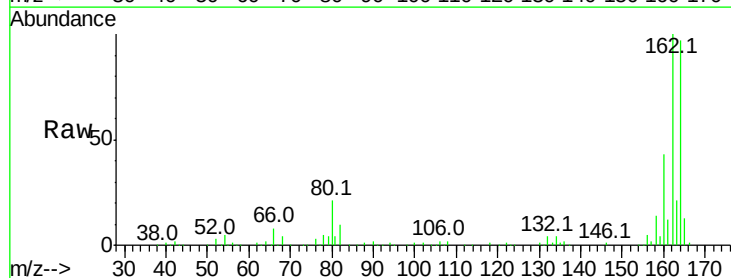
Tgt Ion:164 Resp: 197518

Ion Ratio Lower Upper

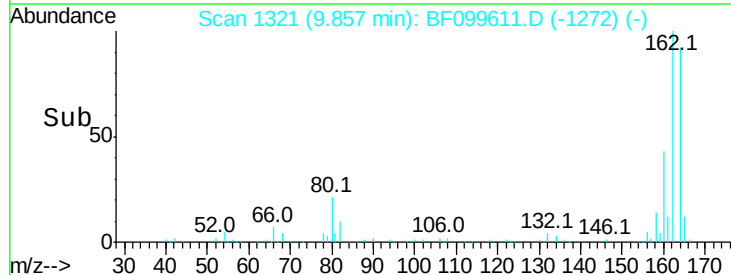
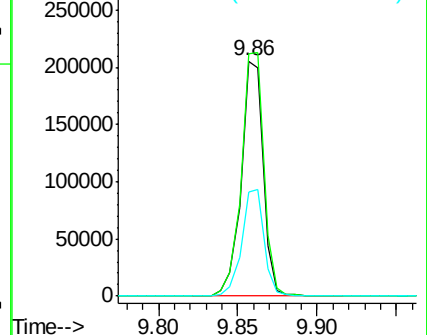
164 100

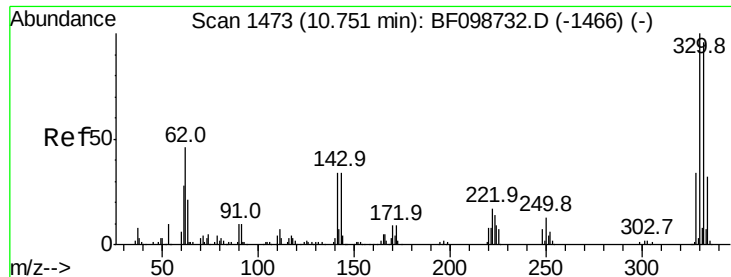
162 103.3 86.1 129.1

160 44.3 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

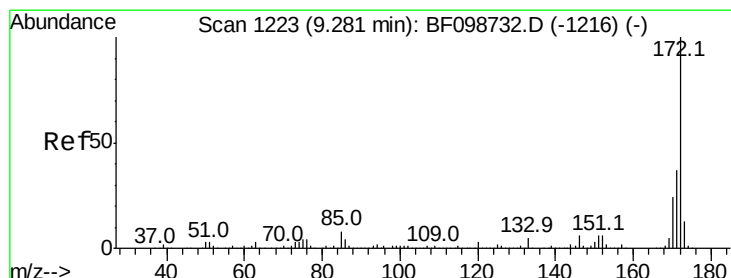
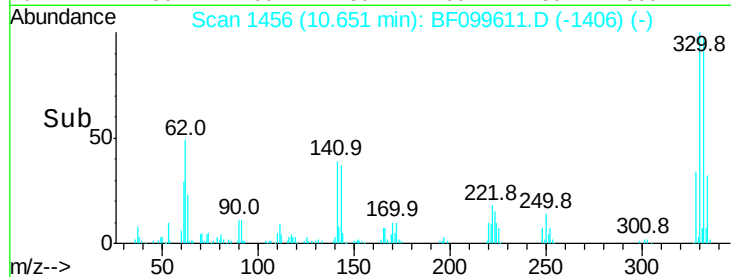
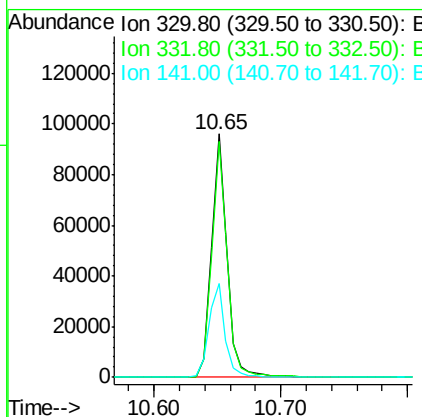
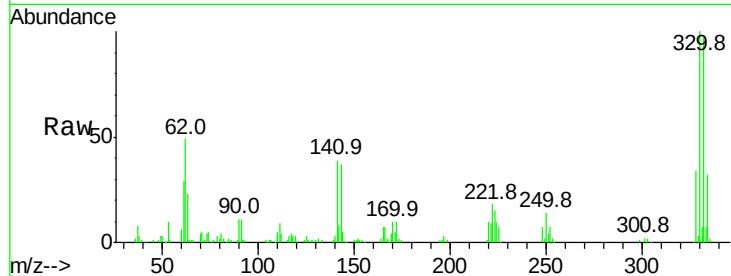




#41
 2,4,6-Tribromophenol
 Concen: 52.001 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BF099611.D
 Acq: 18 Oct 2017 12:22

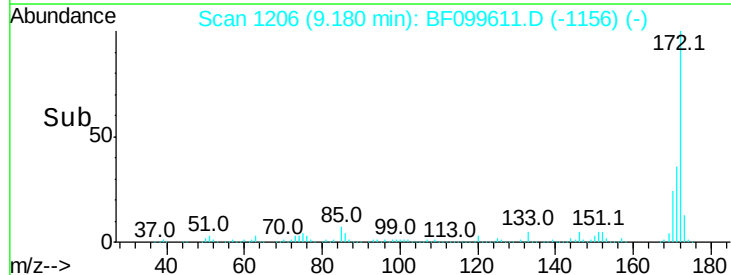
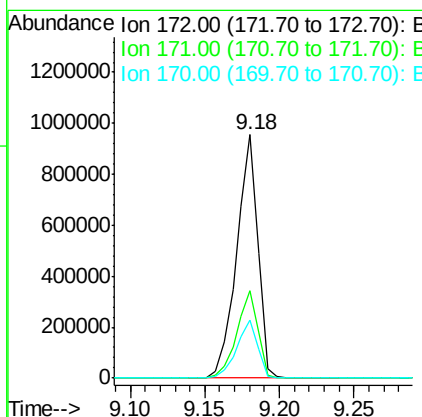
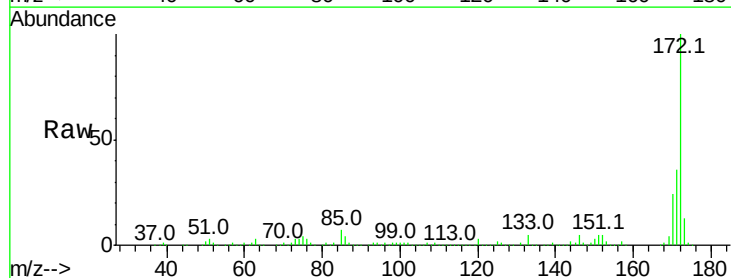
Instrument :
 BNA_F
 ClientSampleId :

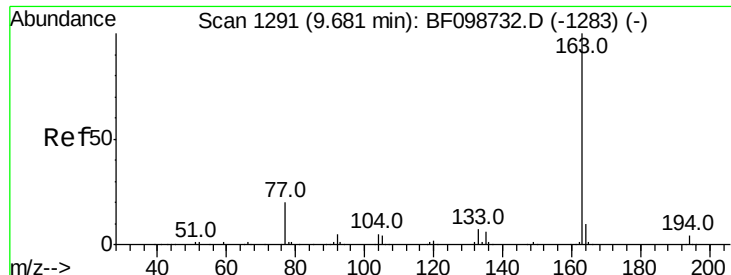
Tot Ion:330 Resp: 84046
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.0 115.6
 141 39.3 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 80.308 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF099611.D
 Acq: 18 Oct 2017 12:22

Tgt Ion:172 Resp: 950170
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 23.8 19.6 29.4





#49

Dimethylphthalate

Concen: 8.558 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.02 min

Lab File: BF099611.D

Acq: 18 Oct 2017 12:22

Instrument :

BNA_F

ClientSampleId :

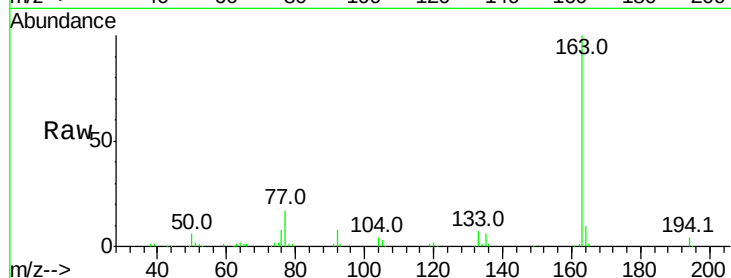
Tot Ion:163 Resp: 127576

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

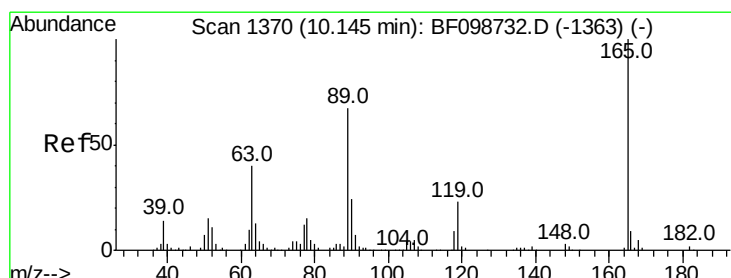
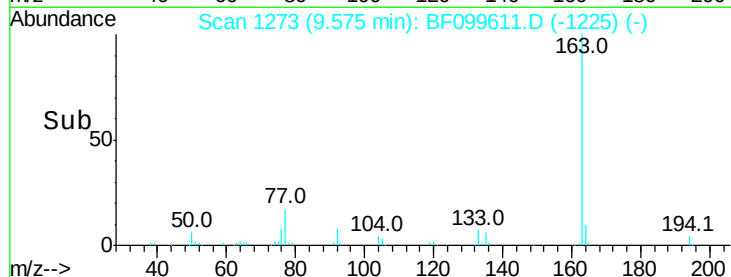
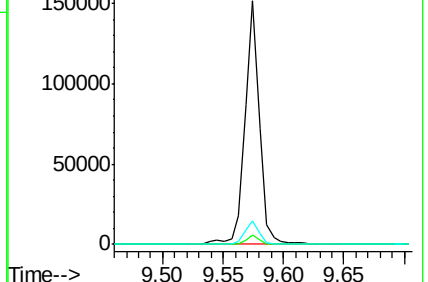
164 9.6 8.2 12.2



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: 5.963 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.21 min

Lab File: BF099611.D

Acq: 18 Oct 2017 12:22

Tgt Ion:165 Resp: 25118

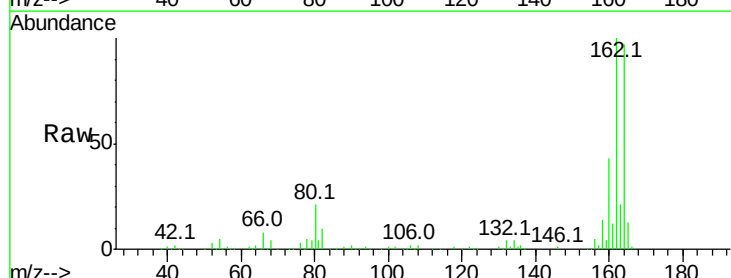
Ion Ratio Lower Upper

165 100

63 1.1 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

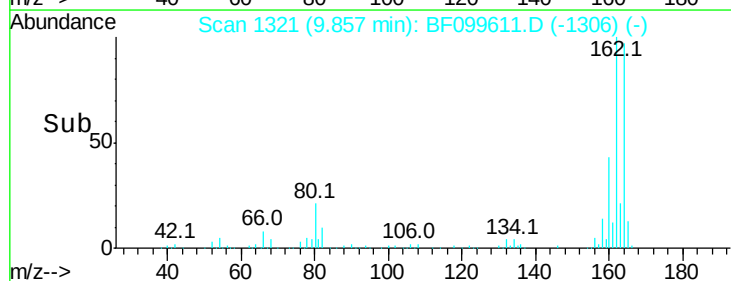
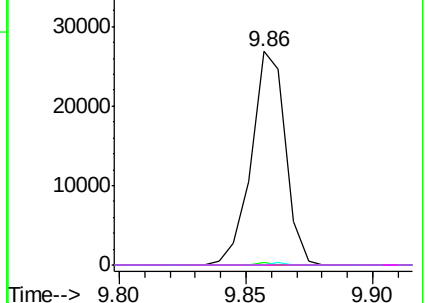


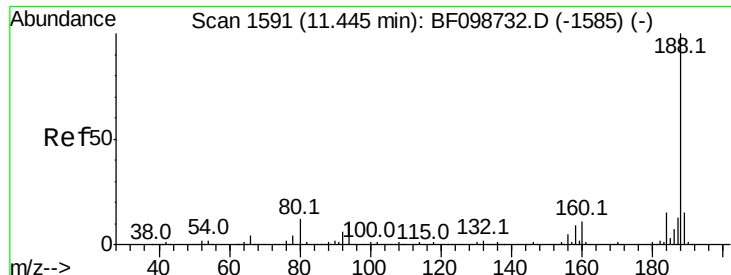
Abundance Ion 165.00 (164.70 to 165.70): E

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

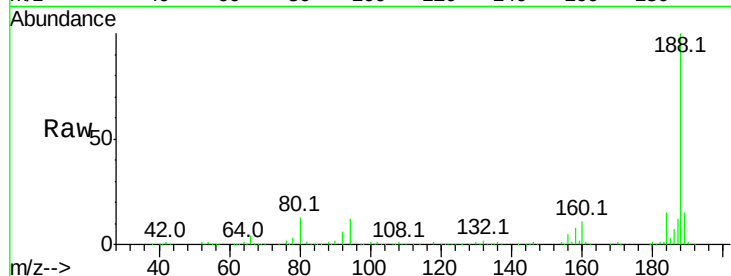




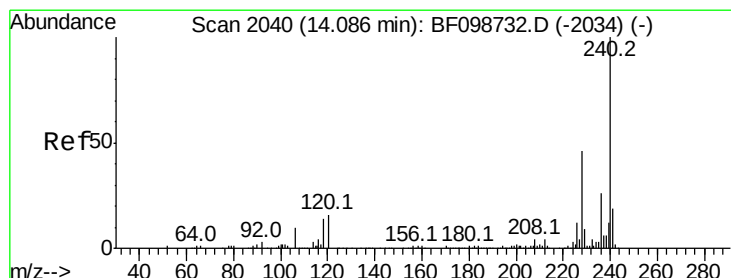
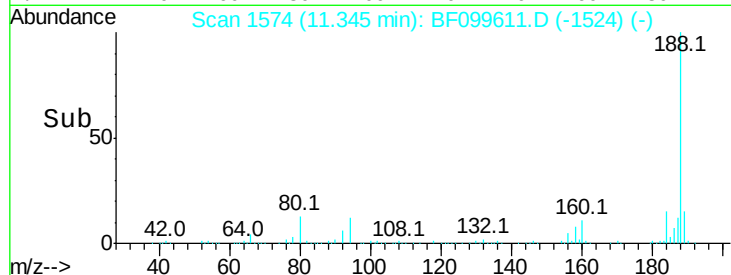
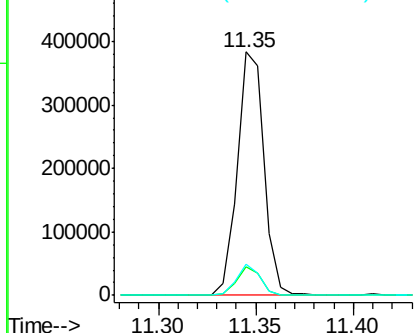
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF099611.D
Acq: 18 Oct 2017 12:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 362331
Ion Ratio Lower Upper
188 100
94 11.6 8.5 12.7
80 12.9 9.2 13.8

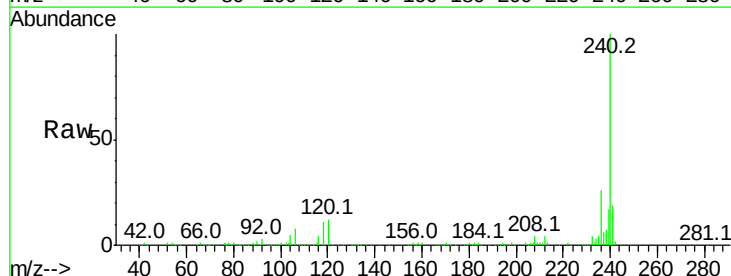


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

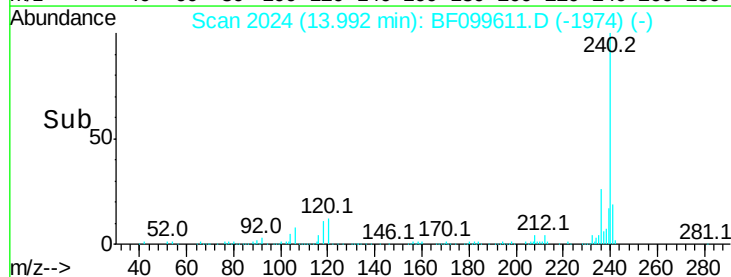
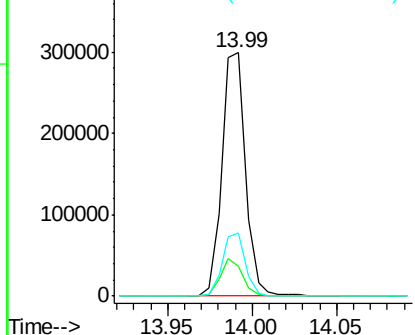


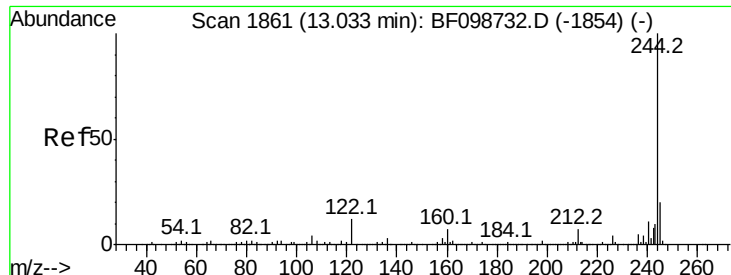
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF099611.D
Acq: 18 Oct 2017 12:22

Tgt Ion:240 Resp: 291907
Ion Ratio Lower Upper
240 100
120 12.2 9.5 14.3
236 25.8 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: 67.039 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.00 min

Lab File: BF099611.D

Acq: 18 Oct 2017 12:22

Instrument :

BNA_F

ClientSampleId :

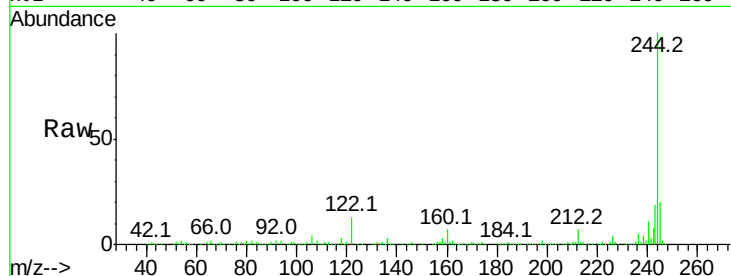
Tot Ion:244 Resp: 860480

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

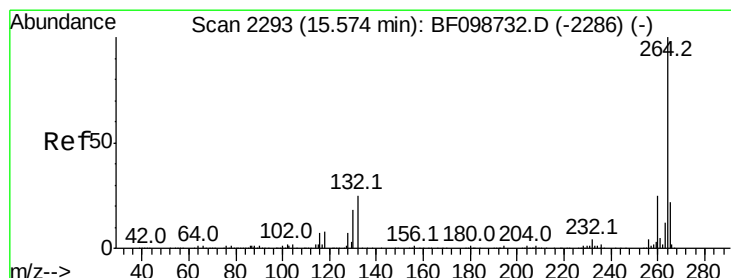
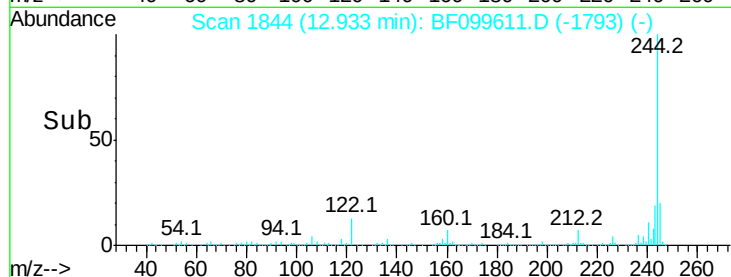
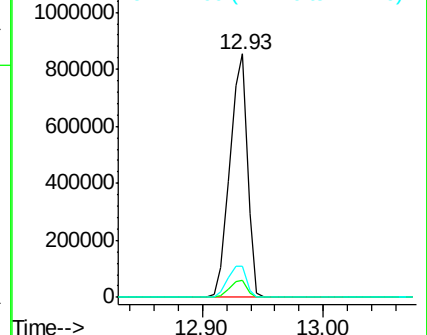
122 12.8 11.0 16.4



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: 15.45 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BF099611.D

Acq: 18 Oct 2017 12:22

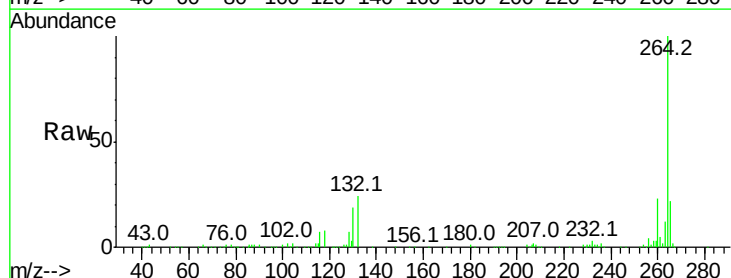
Tgt Ion:264 Resp: 216504

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 21.7 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

