

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
 Data File : BF099624.D
 Acq On : 18 Oct 2017 18:27
 Operator : SJ/JU
 Sample : I5834-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 18 22:14:23 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

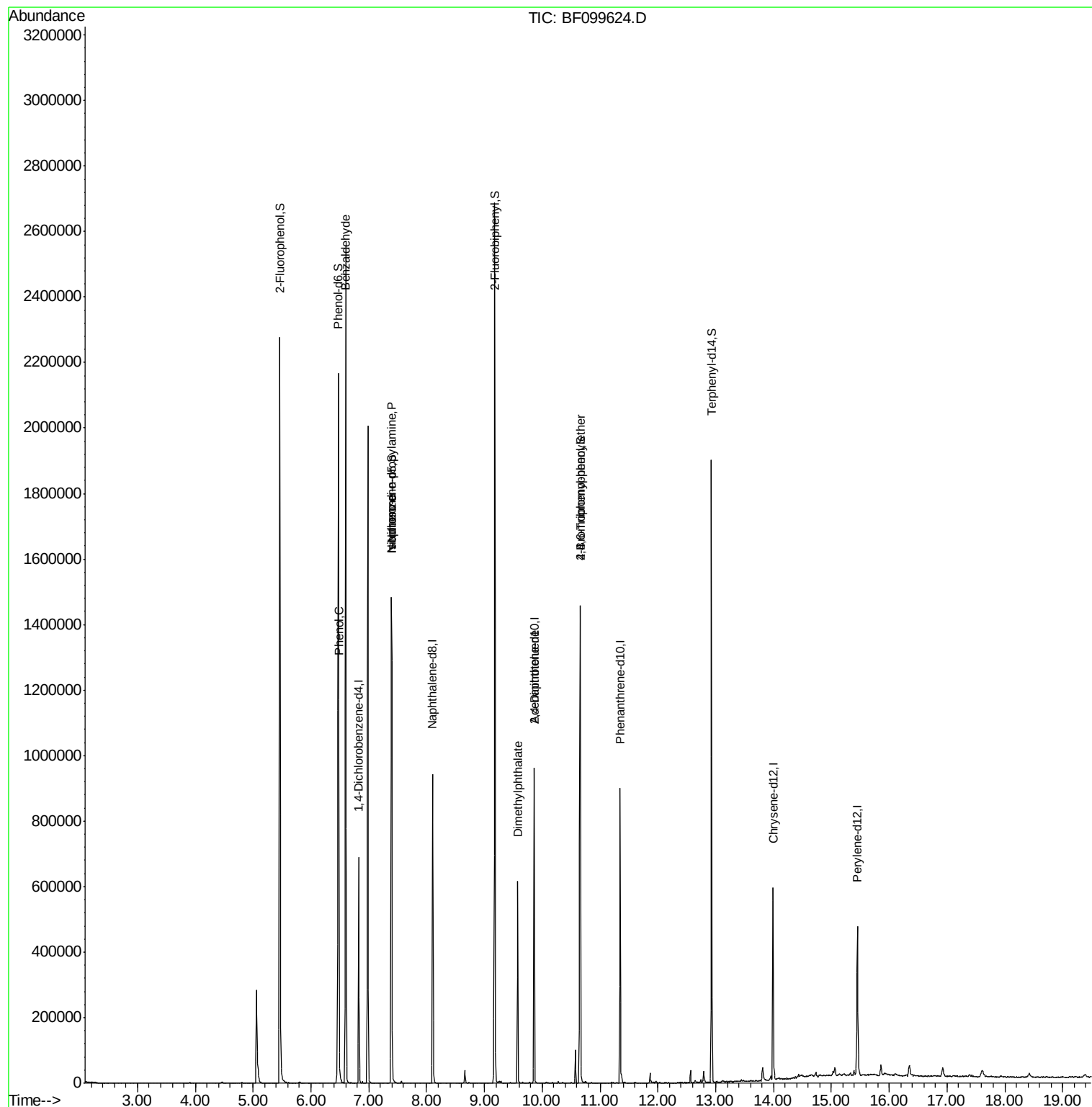
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	108108	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	456296	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	201630	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	338466	20.00	ng	0.00
75) Chrysene-d12	13.99	240	197681	20.00	ng	0.00
86) Perylene-d12	15.45	264	197300	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	764318	112.55	ng	0.01
7) Phenol-d6	6.47	99	941393	112.37	ng	0.00
23) Nitrobenzene-d5	7.39	82	565709	79.51	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	193167	117.08	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	882355	73.06	ng	0.00
78) Terphenyl-d14	12.93	244	624491	71.84	ng	0.00
Target Compounds						
9) Benzaldehyde	6.60	77	14290	2.941	ng	Qvalue 92
10) Phenol	6.49	94	60773	6.486	ng	91
19) n-Nitroso-di-n-propylamine	7.39	70	70842	13.245	ng	# 74
25) Isophorone	7.39	82	565703	38.455	ng	# 64
49) Dimethylphthalate	9.57	163	230187	15.126	ng	99
56) 2,4-Dinitrotoluene	9.86	165	25574	5.948	ng	# 22
66) 4-Bromophenyl-phenylether	10.66	248	12963	3.913	ng	# 1

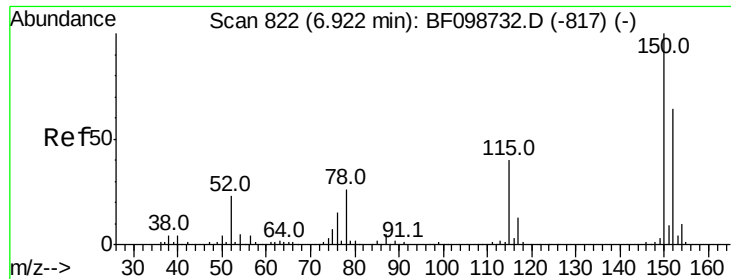
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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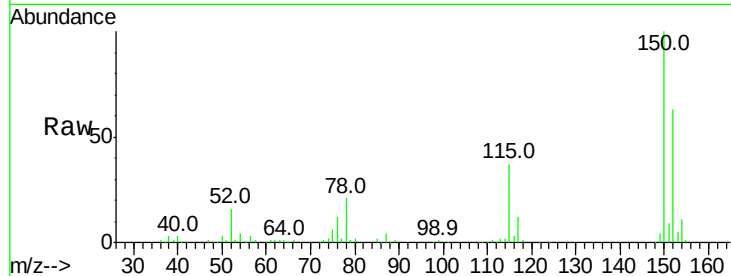


#1

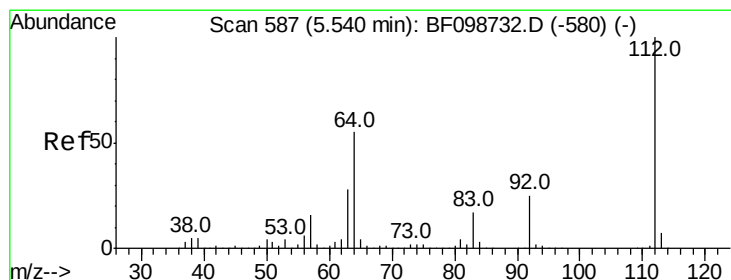
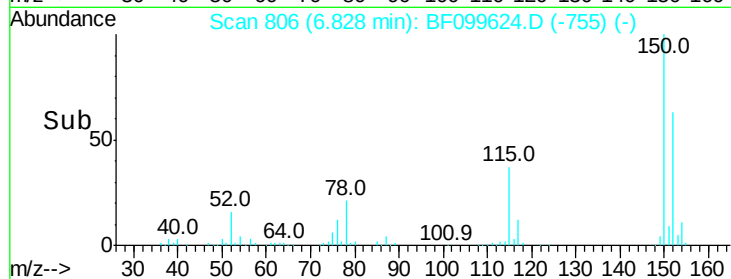
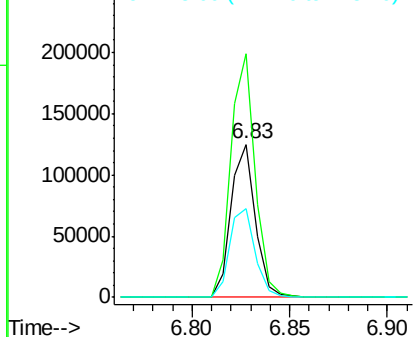
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF099624.D
Acq: 18 Oct 2017 18:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 108108
Ion Ratio Lower Upper
152 100
150 159.3 124.6 186.8
115 58.4 50.1 75.1



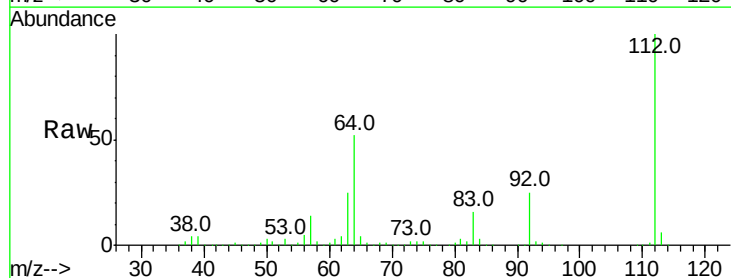
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



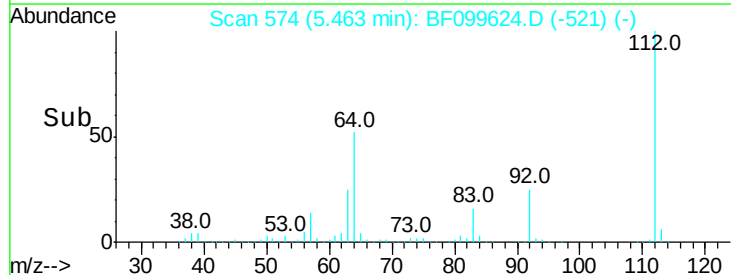
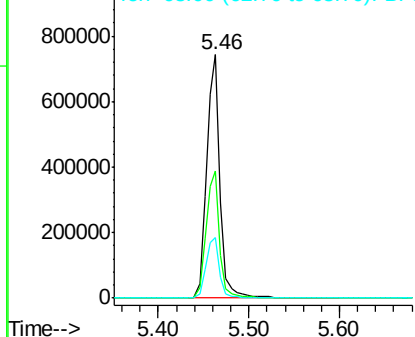
#5

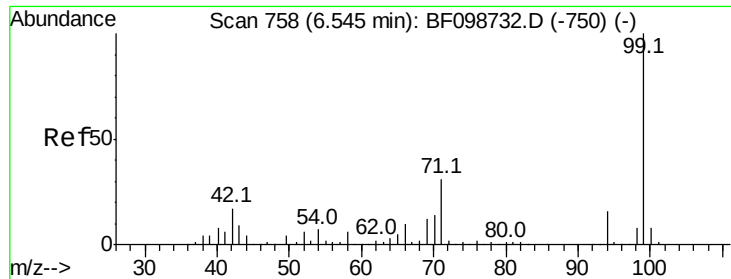
2-Fluorophenol
Concen: 112.547 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.01 min
Lab File: BF099624.D
Acq: 18 Oct 2017 18:27

Tgt Ion:112 Resp: 764318
Ion Ratio Lower Upper
112 100
64 52.0 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: 112.370 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF099624.D

Acq: 18 Oct 2017 18:27

Instrument :

BNA_F

ClientSampleId :

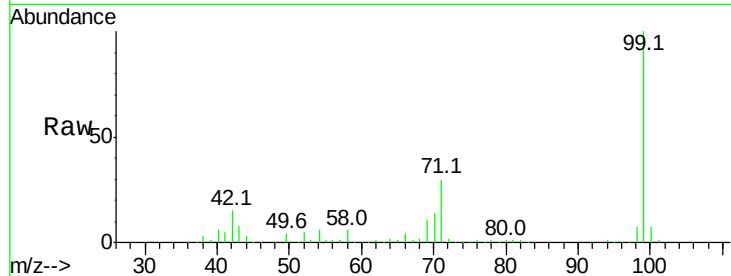
Tot Ion: 99 Resp: 941393

Ion Ratio Lower Upper

99 100

42 14.6 14.5 21.7

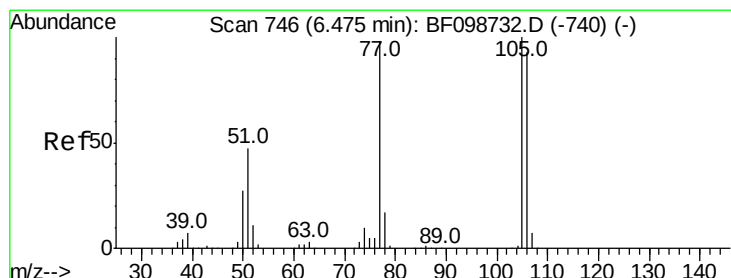
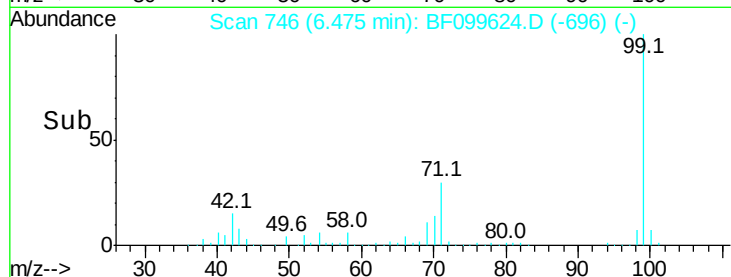
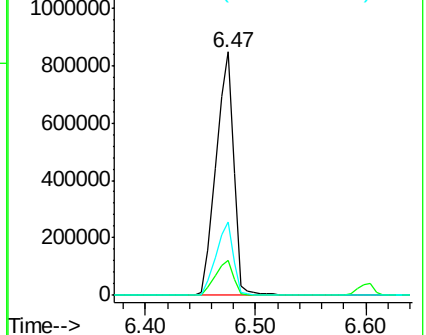
71 30.0 25.4 38.0



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: 2.941 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.22 min

Lab File: BF099624.D

Acq: 18 Oct 2017 18:27

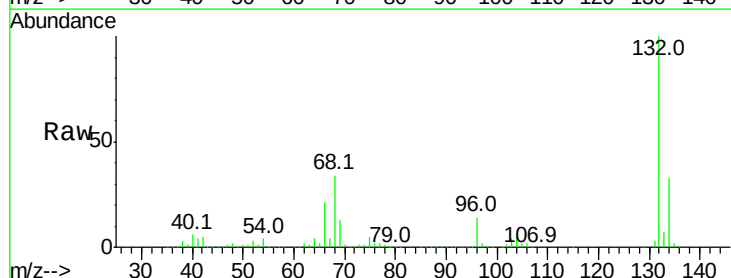
Tgt Ion: 77 Resp: 14290

Ion Ratio Lower Upper

77 100

105 92.2 81.1 121.1

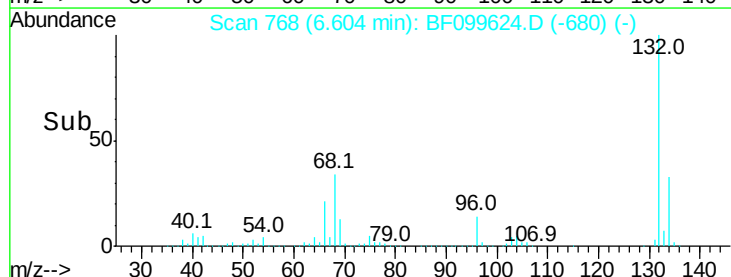
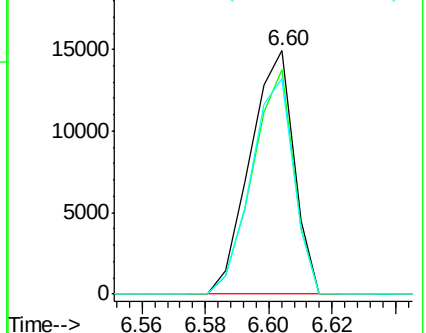
106 88.6 74.5 114.5

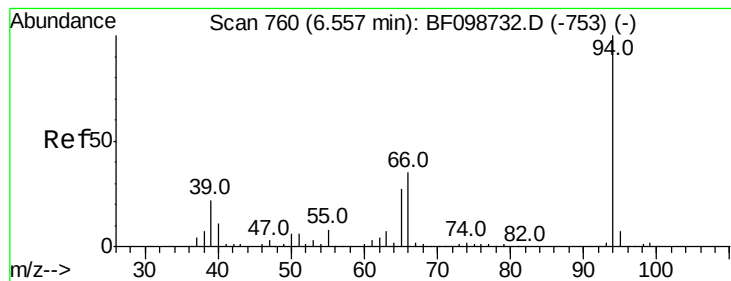


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 6.486 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF099624.D

Acq: 18 Oct 2017 18:27

Instrument :

BNA_F

ClientSampled :

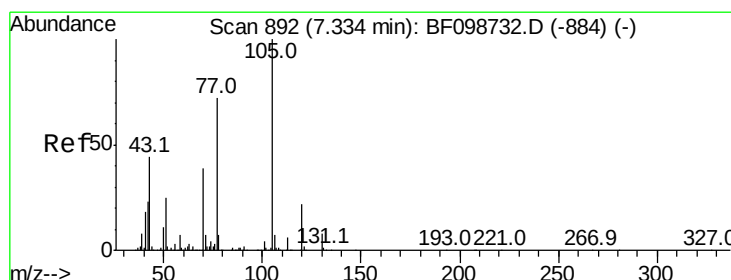
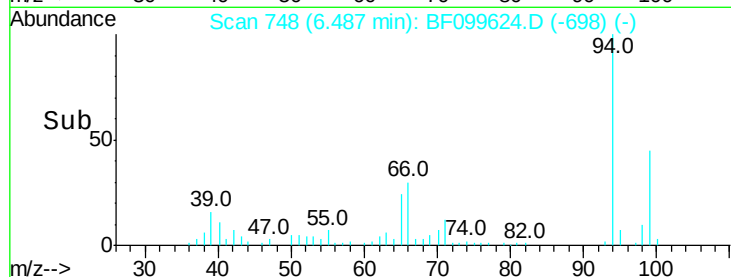
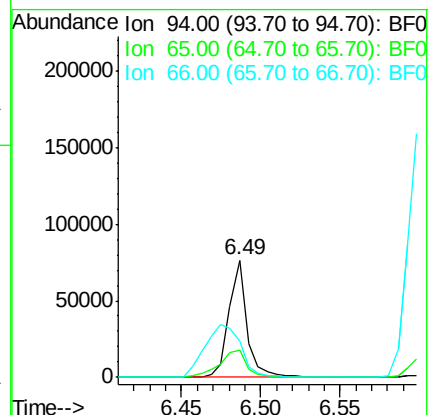
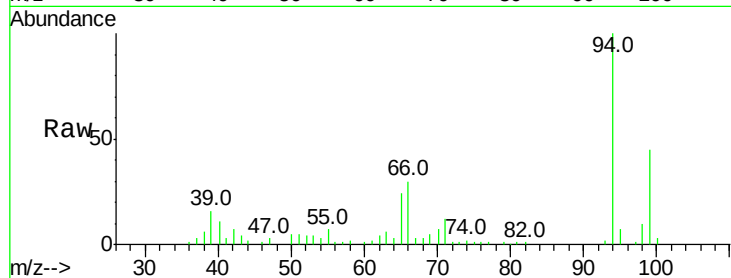
Tot Ion: 94 Resp: 60773

Ion Ratio Lower Upper

94 100

65 23.7 7.9 47.9

66 30.4 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 13.245 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.15 min

Lab File: BF099624.D

Acq: 18 Oct 2017 18:27

Tgt Ion: 70 Resp: 70842

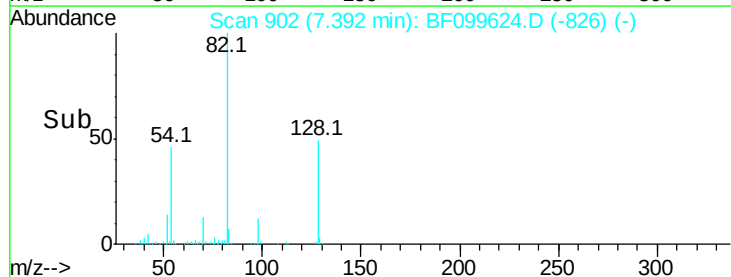
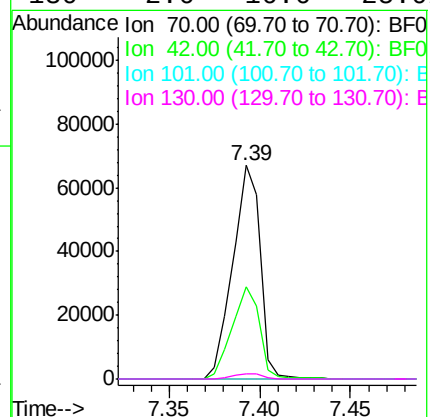
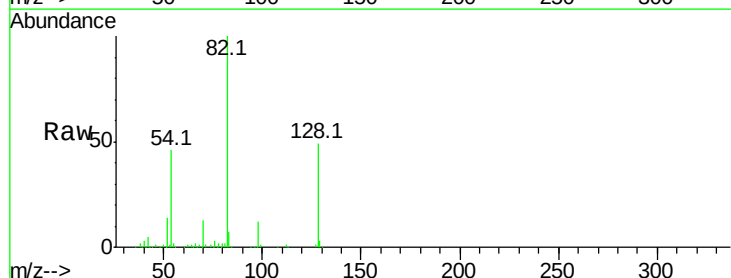
Ion Ratio Lower Upper

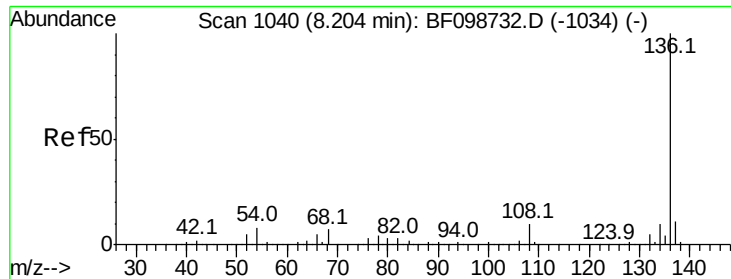
70 100

42 43.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

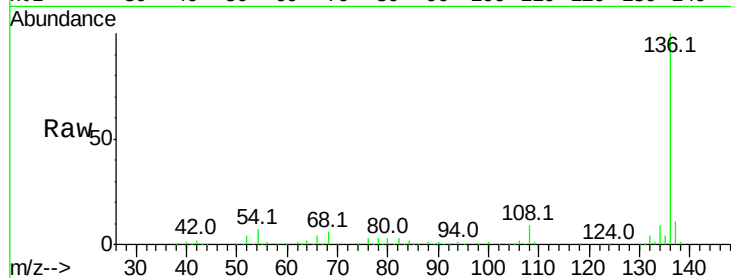




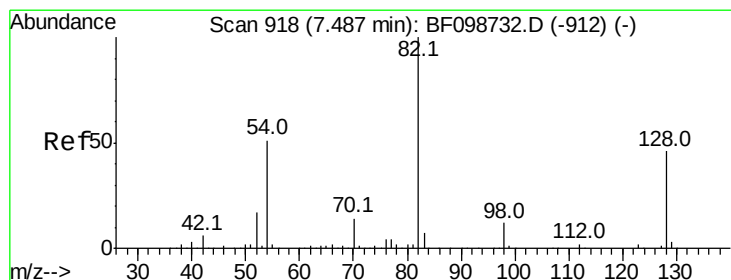
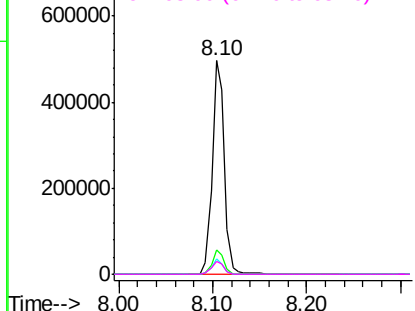
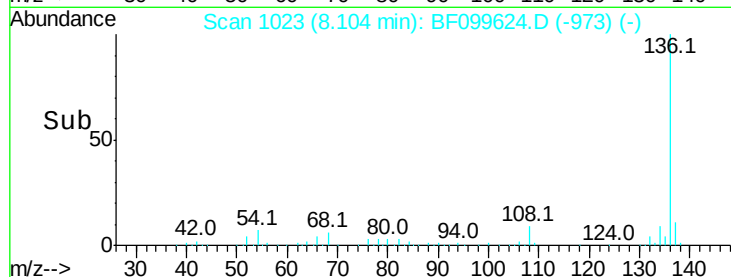
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF099624.D
Acq: 18 Oct 2017 18:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	456296
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	7.1	6.6	9.8
68	6.1	5.0	7.4

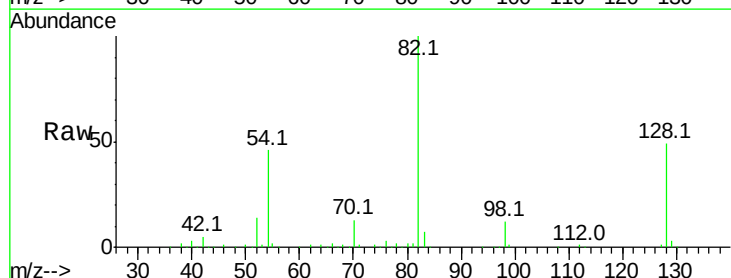


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

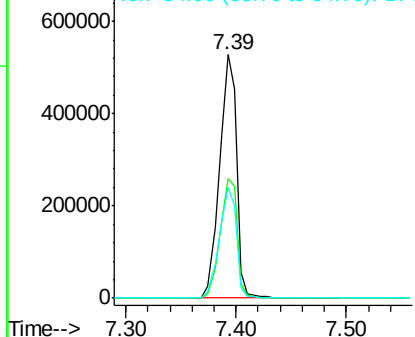
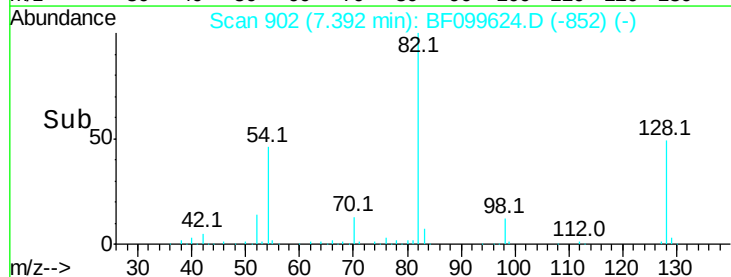


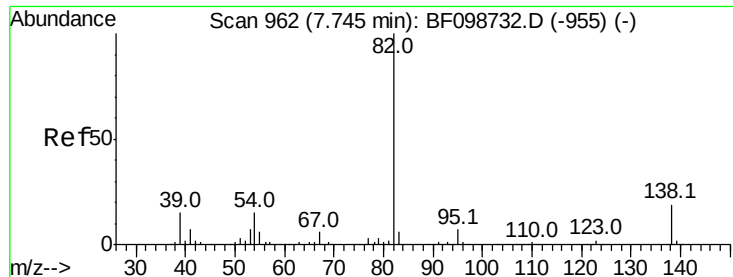
#23
Nitrobenzene-d5
Concen: 79.508 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF099624.D
Acq: 18 Oct 2017 18:27

Tgt Ion:	82	Resp:	565709
Ion	Ratio	Lower	Upper
82	100		
128	49.1	36.1	54.1
54	45.5	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: 38.455 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF099624.D

Acq: 18 Oct 2017 18:27

Instrument :

BNA_F

ClientSampleId :

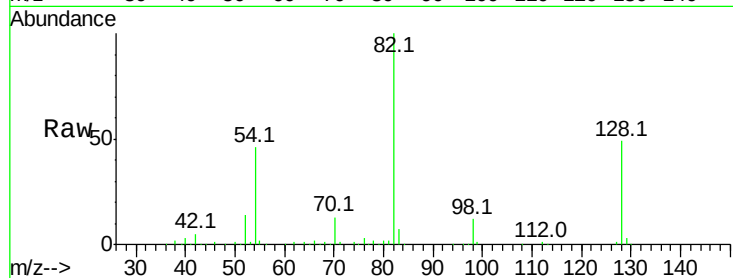
Tot Ion: 82 Resp: 565703

Ion Ratio Lower Upper

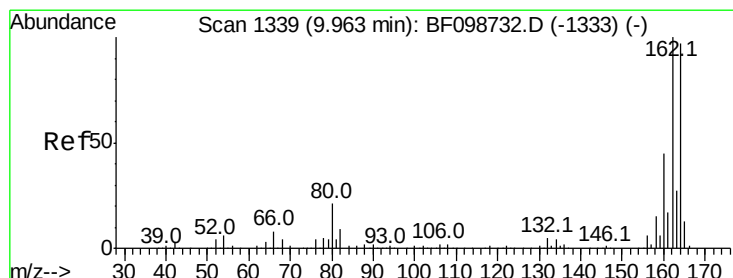
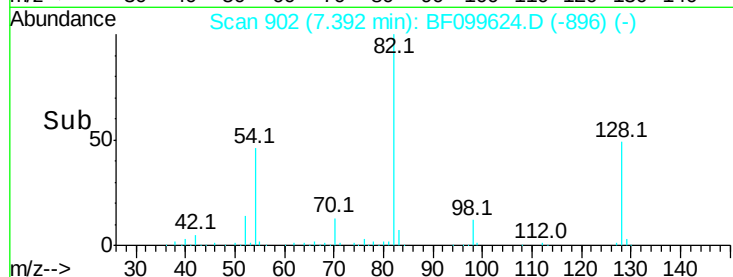
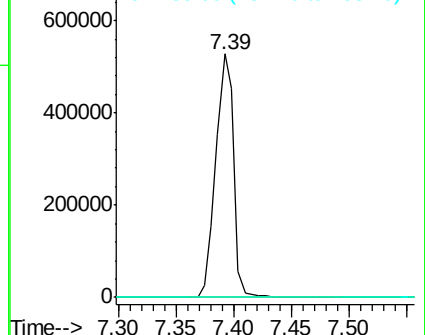
82 100

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: BF099624.D

Acq: 18 Oct 2017 18:27

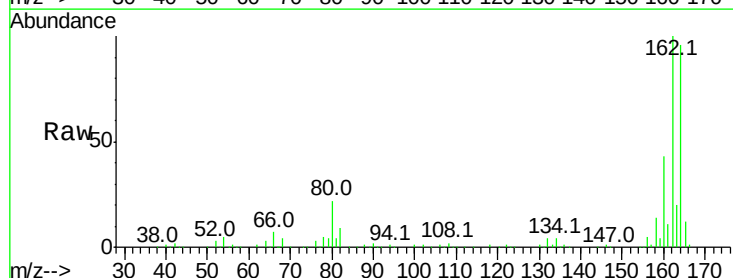
Tgt Ion:164 Resp: 201630

Ion Ratio Lower Upper

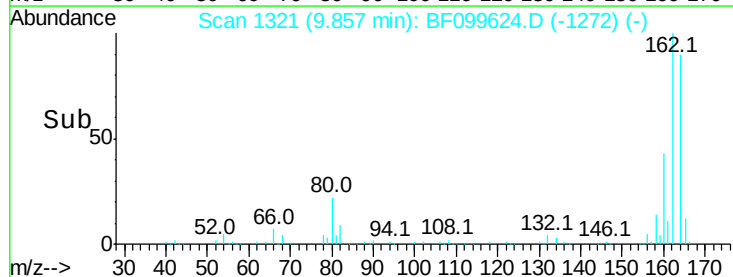
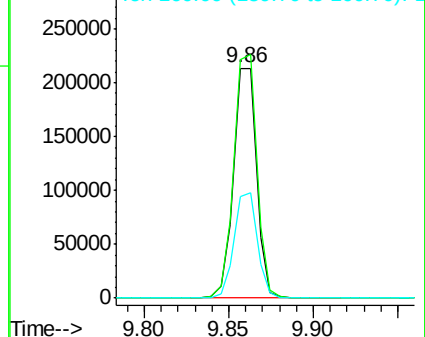
164 100

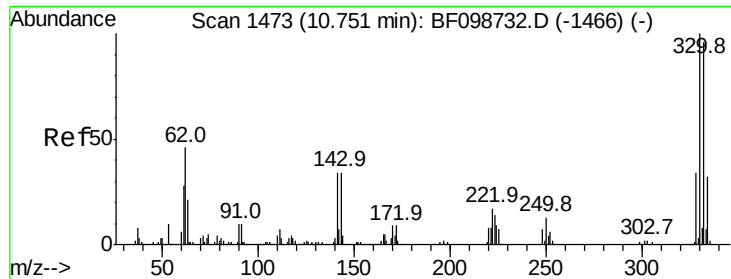
162 103.6 86.1 129.1

160 44.1 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: 117.079 ng

RT: 10.66 min Scan# 1457

Delta R.T. 0.00 min

Lab File: BF099624.D

Acq: 18 Oct 2017 18:27

Instrument :

BNA_F

ClientSampled :

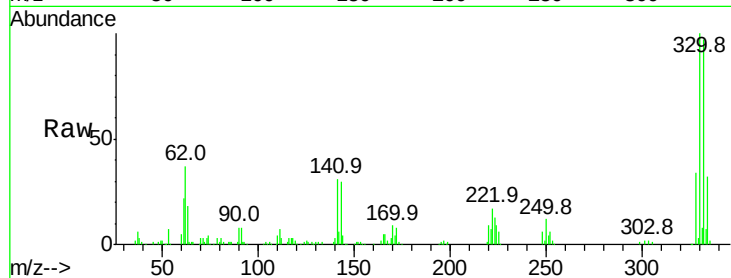
Tot Ion:330 Resp: 193167

Ion Ratio Lower Upper

330 100

332 97.4 77.0 115.6

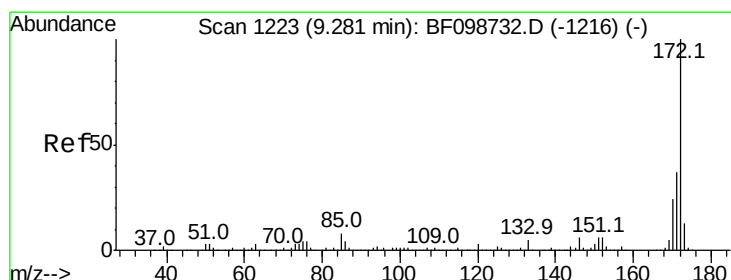
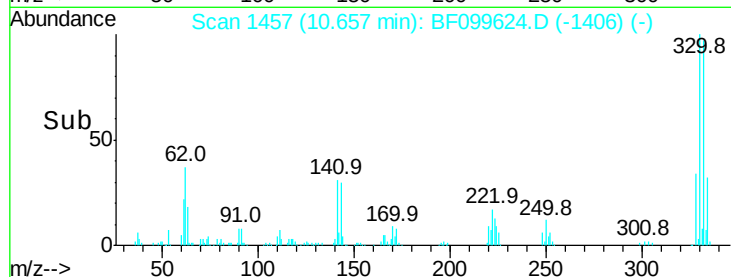
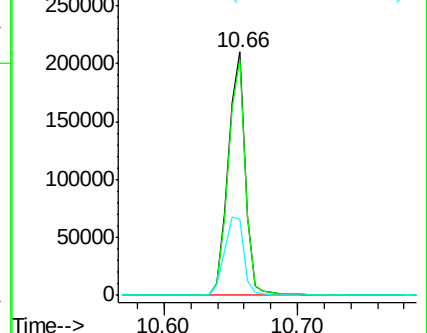
141 36.3 29.9 44.9



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: 73.056 ng

RT: 9.18 min Scan# 1206

Delta R.T. -0.01 min

Lab File: BF099624.D

Acq: 18 Oct 2017 18:27

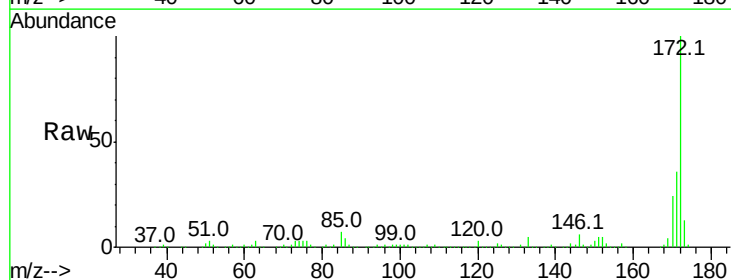
Tgt Ion:172 Resp: 882355

Ion Ratio Lower Upper

172 100

171 36.0 29.7 44.5

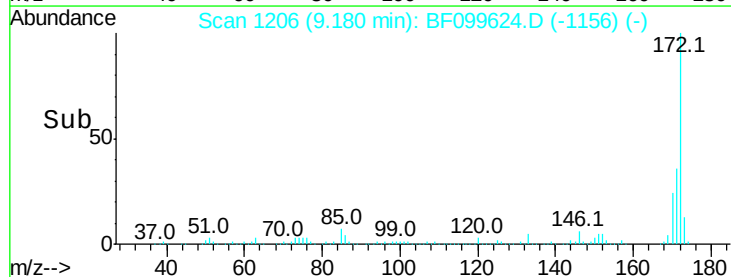
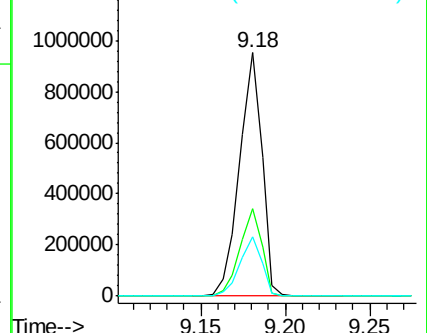
170 24.3 19.6 29.4

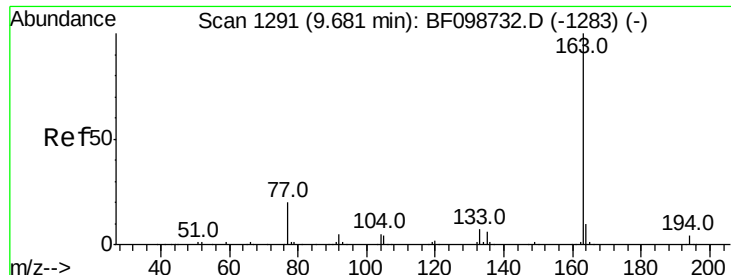


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 15.126 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.02 min

Lab File: BF099624.D

Acq: 18 Oct 2017 18:27

Instrument :

BNA_F

ClientSampleId :

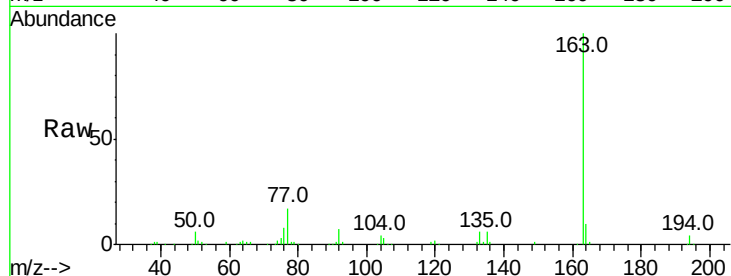
Tot Ion:163 Resp: 230187

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

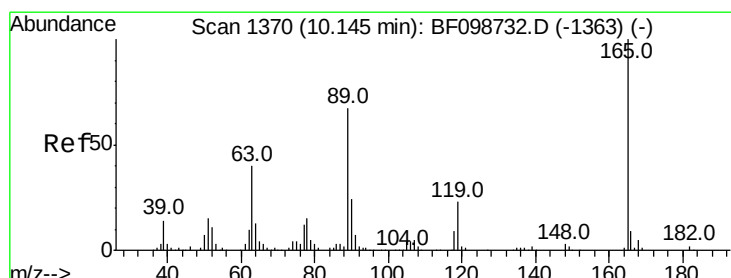
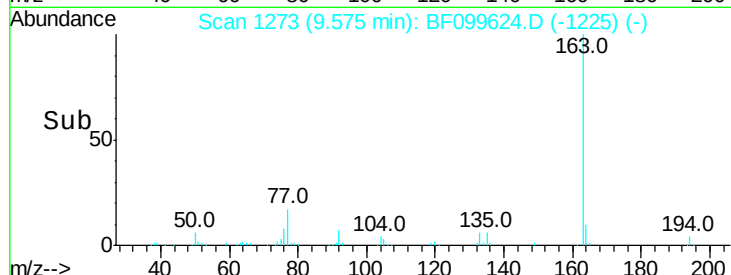
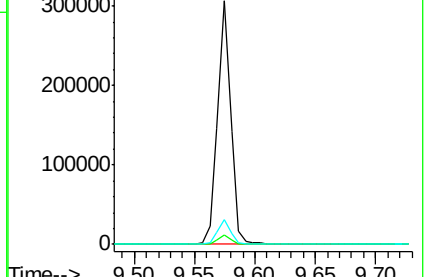
164 10.0 8.2 12.2



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: 5.948 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.21 min

Lab File: BF099624.D

Acq: 18 Oct 2017 18:27

Tgt Ion:165 Resp: 25574

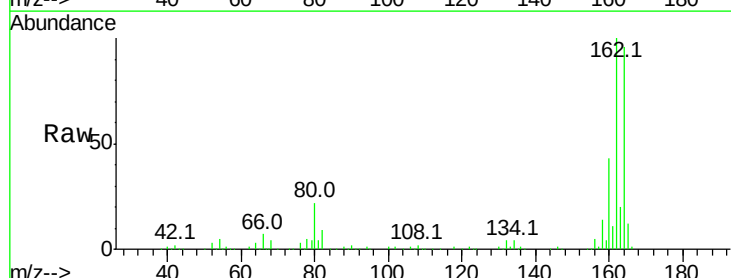
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.2 57.8 86.6#

182 0.0 1.6 2.4#

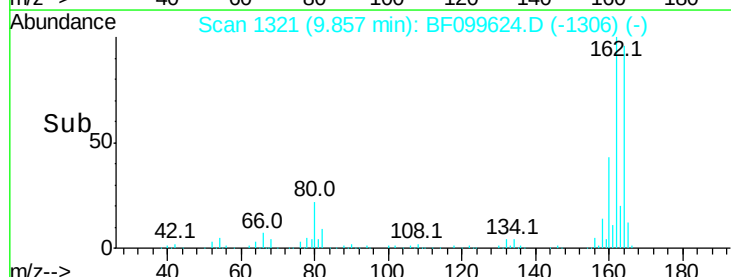
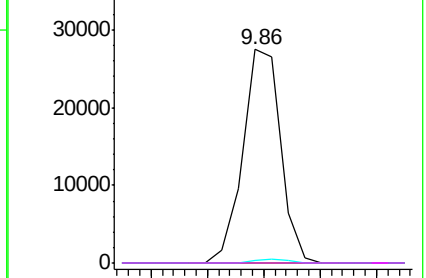


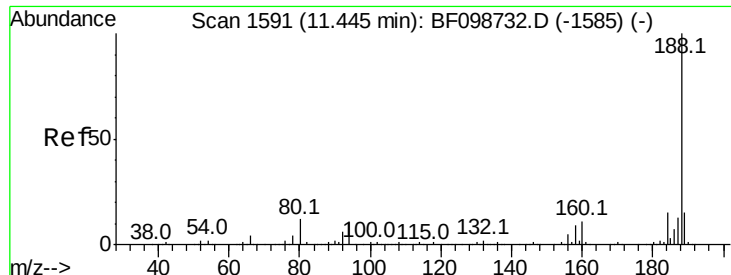
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF099624.D

Acq: 18 Oct 2017 18:27

Instrument :

BNA_F

ClientSampled :

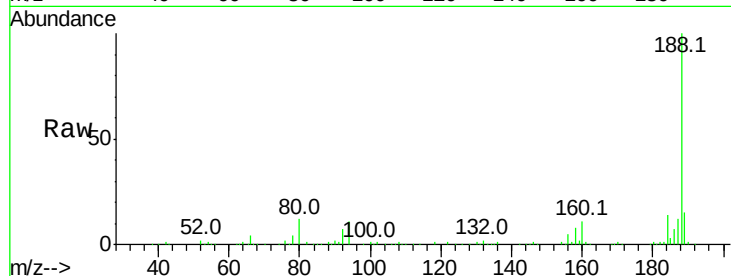
Tot Ion:188 Resp: 338466

Ion Ratio Lower Upper

188 100

94 11.3 8.5 12.7

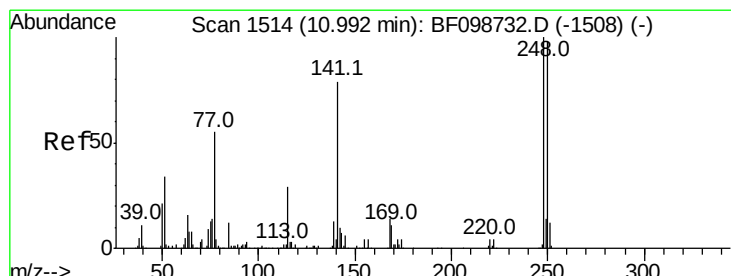
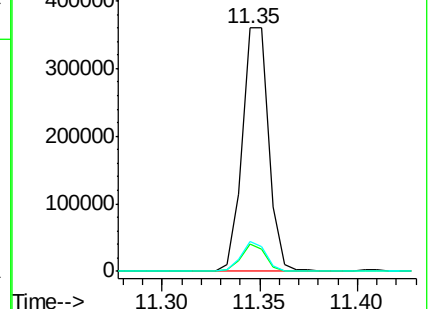
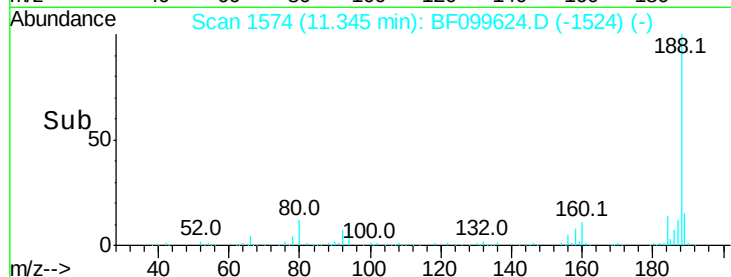
80 12.4 9.2 13.8



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: 3.913 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.23 min

Lab File: BF099624.D

Acq: 18 Oct 2017 18:27

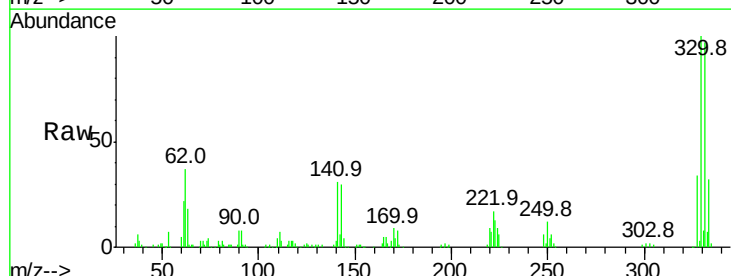
Tgt Ion:248 Resp: 12963

Ion Ratio Lower Upper

248 100

250 200.9 76.9 115.3#

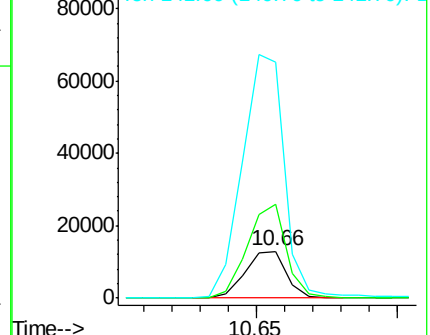
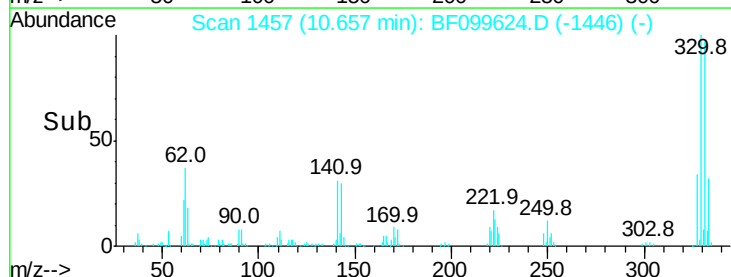
141 502.7 74.4 111.6#

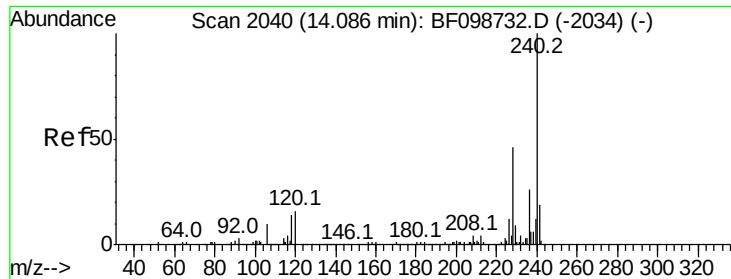


Abundance Ion 248.00 (247.70 to 248.70): E

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# 2024

Delta R.T. -0.01 min

Lab File: BF099624.D

Acq: 18 Oct 2017 18:27

Instrument :

BNA_F

ClientSampled :

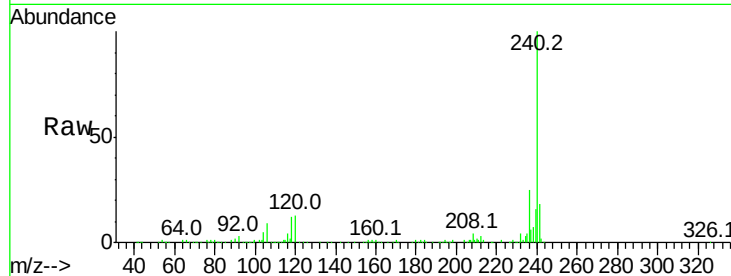
Tot Ion:240 Resp: 197681

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

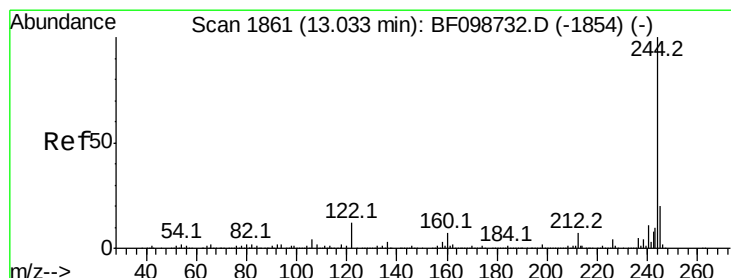
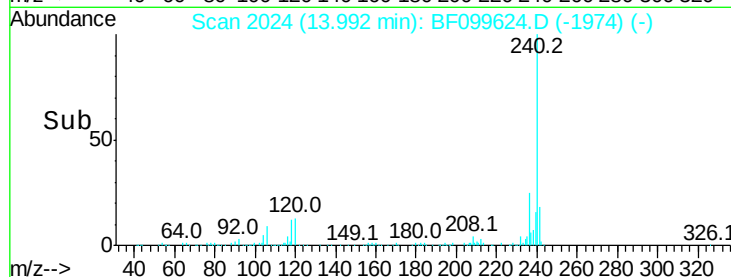
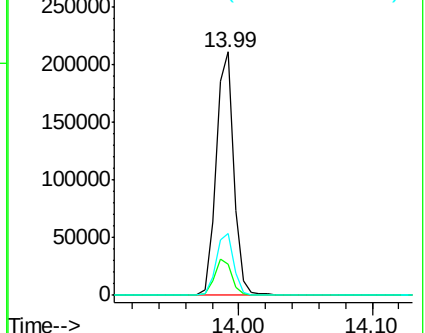
236 25.5 20.7 31.1



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: 71.844 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF099624.D

Acq: 18 Oct 2017 18:27

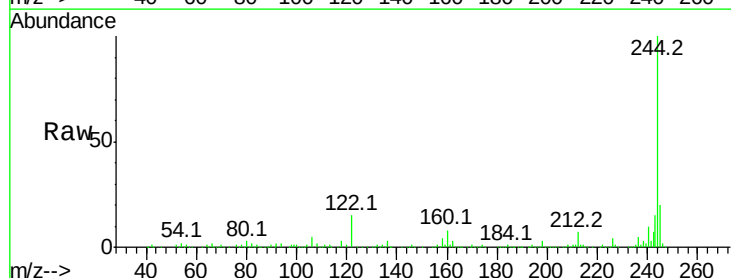
Tgt Ion:244 Resp: 624491

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

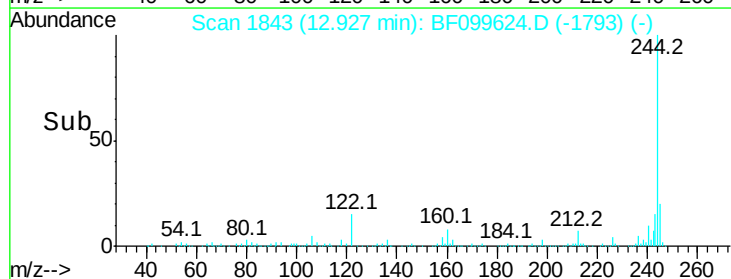
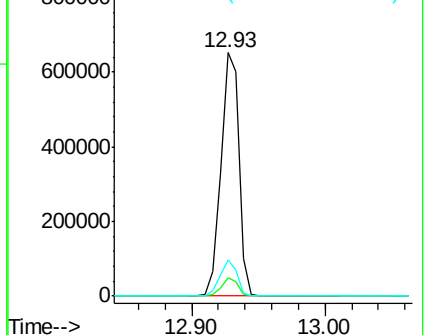
122 15.0 11.0 16.4

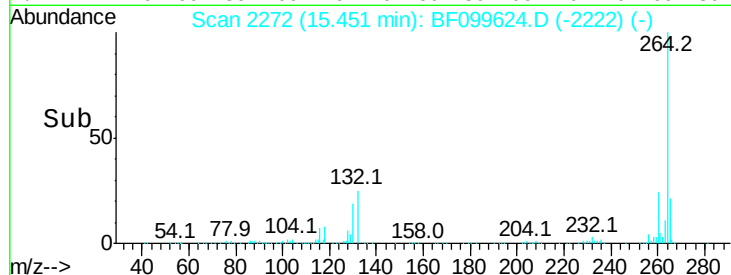
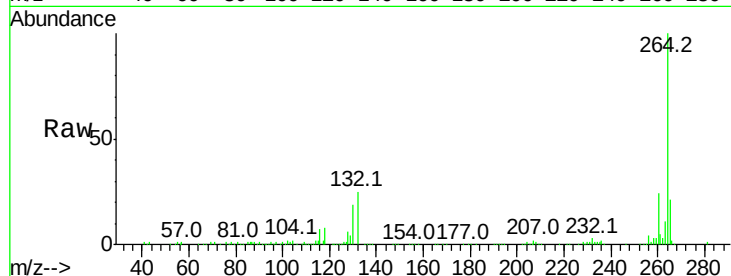
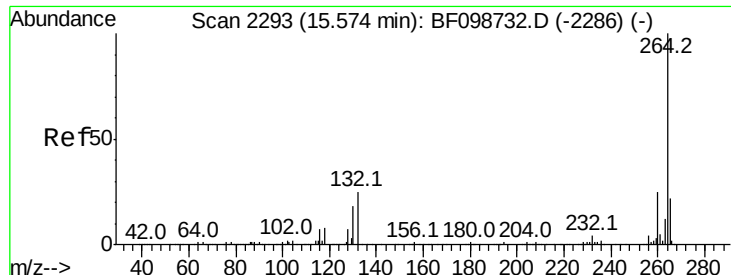


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. -0.01 min
 Lab File: BF099624.D
 Acq: 18 Oct 2017 18:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	197300
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.4	17.5	26.3

