

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101617\
 Data File : BF099541.D
 Acq On : 16 Oct 2017 13:45
 Operator : SJ/JU
 Sample : I5776-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 16 23:24:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

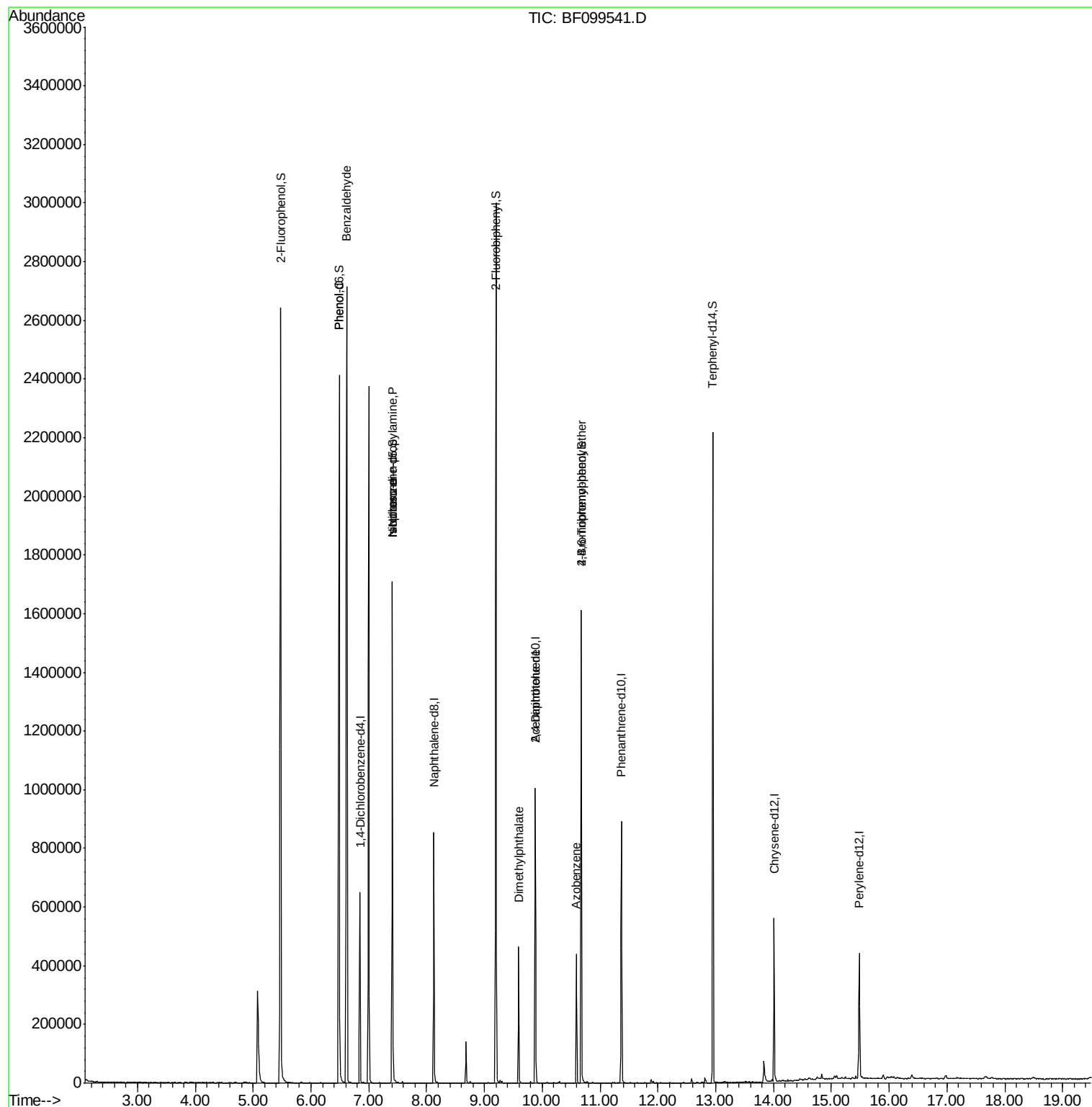
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	104063	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	429101	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	184136	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	289450	20.00	ng	0.00
75) Chrysene-d12	14.01	240	177251	20.00	ng	0.00
86) Perylene-d12	15.49	264	194739	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	876707	134.11	ng	0.00
7) Phenol-d6	6.49	99	1043602	129.41	ng	0.00
23) Nitrobenzene-d5	7.41	82	636666	95.15	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	193922	128.70	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	1086642	98.52	ng	0.00
78) Terphenyl-d14	12.95	244	719682	92.34	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.62	77	17060	3.65	ng	89
10) Phenol	6.49	94	74225	8.23	ng	94
19) n-Nitroso-di-n-propylamine	7.41	70	80248	15.59	ng	# 73
25) Isophorone	7.41	82	636661	46.02	ng	# 64
49) Dimethylphthalate	9.59	163	179166	12.89	ng	100
56) 2,4-Dinitrotoluene	9.88	165	23435	5.97	ng	# 23
62) Azobenzene	10.59	77	72914	5.84	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	12876	4.54	ng	# 1

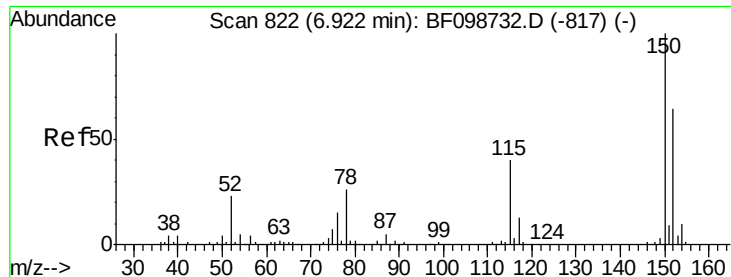
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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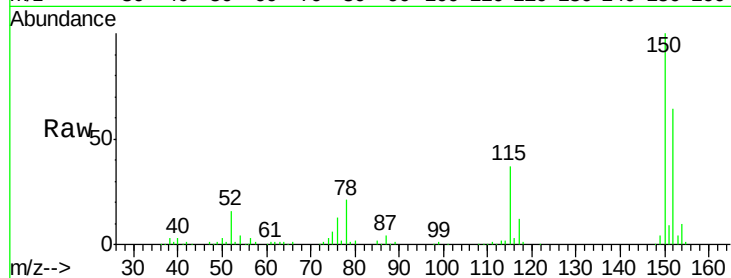


#1

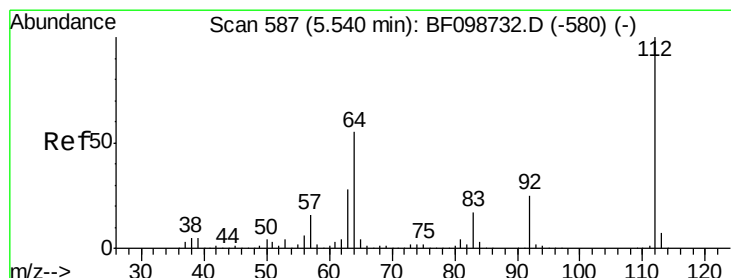
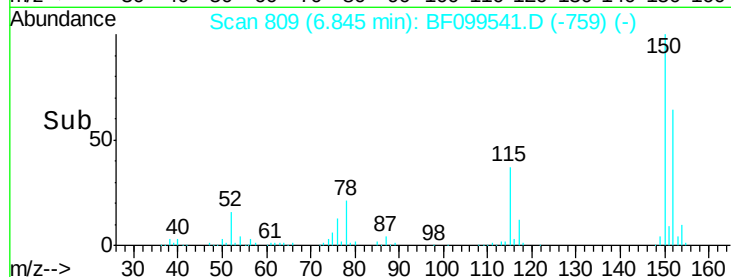
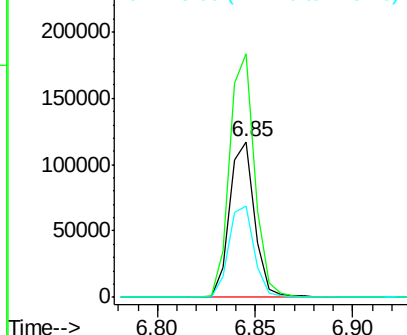
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF099541.D
Acq: 16 Oct 2017 13:45

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 104063
Ion Ratio Lower Upper
152 100
150 156.3 124.6 186.8
115 58.6 50.1 75.1



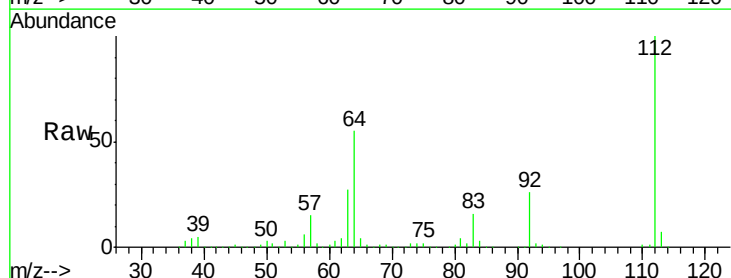
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



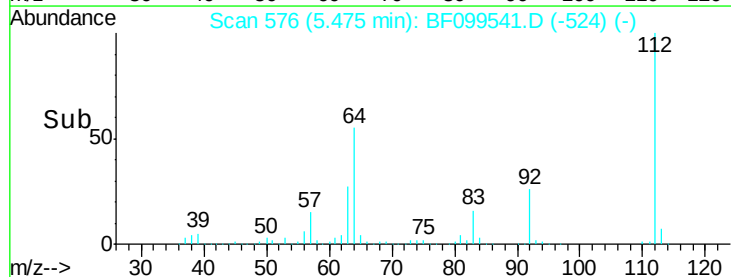
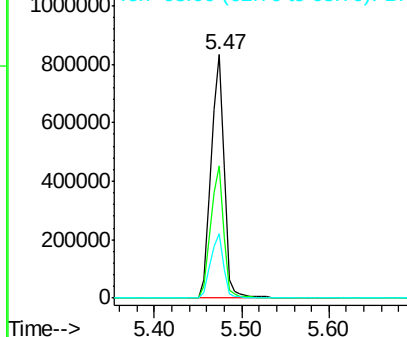
#5

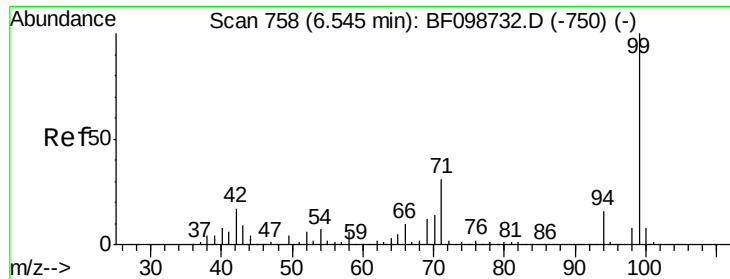
2-Fluorophenol
Concen: 134.11 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF099541.D
Acq: 16 Oct 2017 13:45

Tgt Ion:112 Resp: 876707
Ion Ratio Lower Upper
112 100
64 54.5 47.9 71.9
63 26.7 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: 129.41 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF099541.D

Acq: 16 Oct 2017 13:45

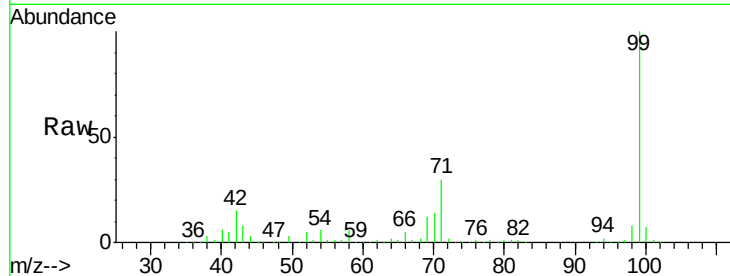
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1043602

Ion	Ratio	Lower	Upper
99	100		
42	14.6	14.5	21.7
71	29.8	25.4	38.0

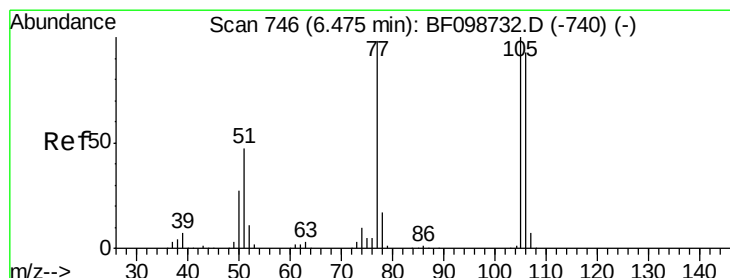
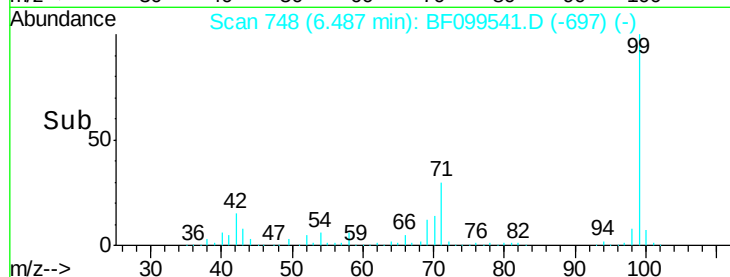
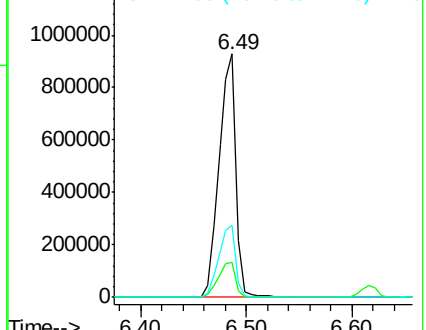


Abundance

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: 3.65 ng

RT: 6.62 min Scan# 770

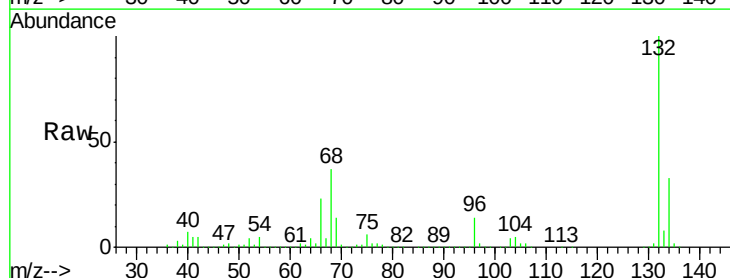
Delta R.T. 0.21 min

Lab File: BF099541.D

Acq: 16 Oct 2017 13:45

Tgt Ion: 77 Resp: 17060

Ion	Ratio	Lower	Upper
77	100		
105	87.1	81.1	121.1
106	85.8	74.5	114.5

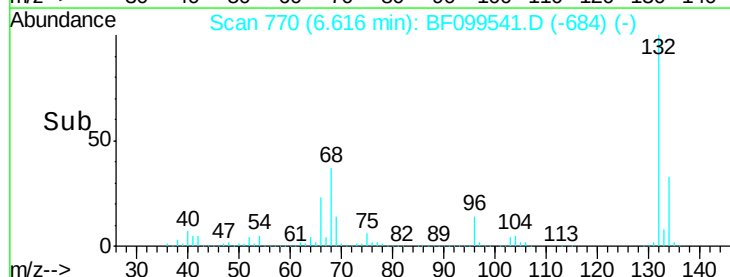
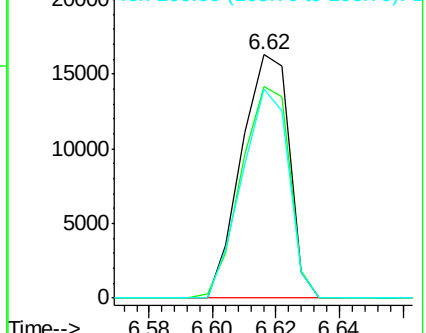


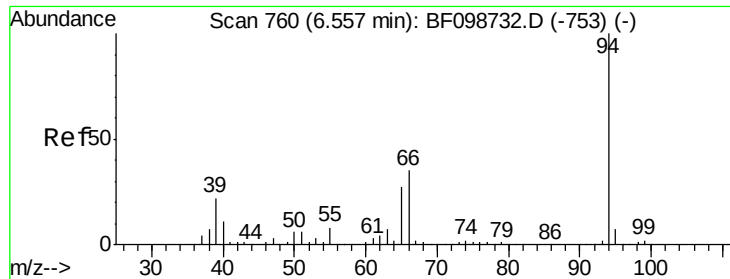
Abundance

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: 8.23 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099541.D

Acq: 16 Oct 2017 13:45

Instrument :

BNA_F

ClientSampled :

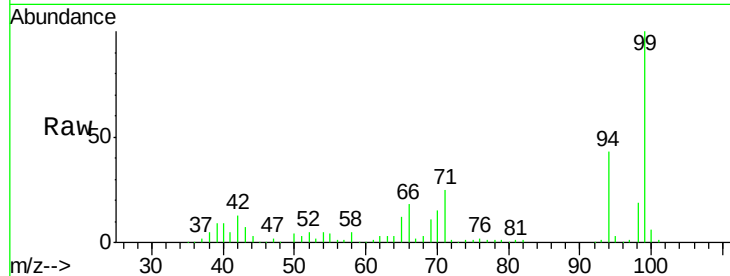
Tot Ion: 94 Resp: 74225

Ion Ratio Lower Upper

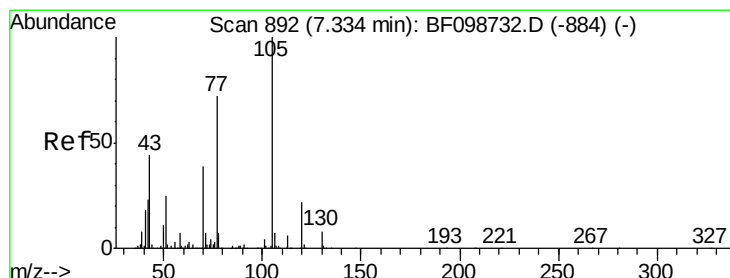
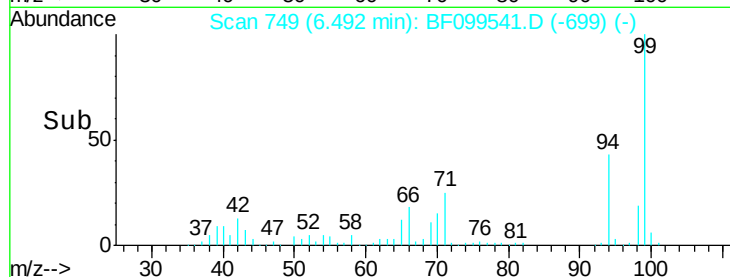
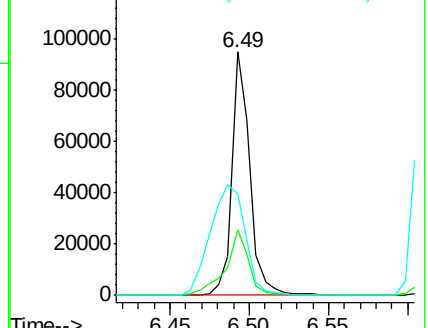
94 100

65 27.2 7.9 47.9

66 41.6 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: 15.59 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF099541.D

Acq: 16 Oct 2017 13:45

Tgt Ion: 70 Resp: 80248

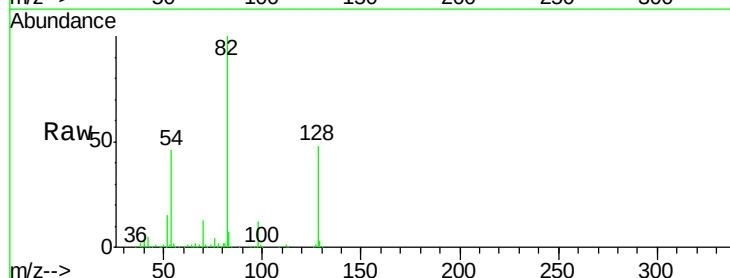
Ion Ratio Lower Upper

70 100

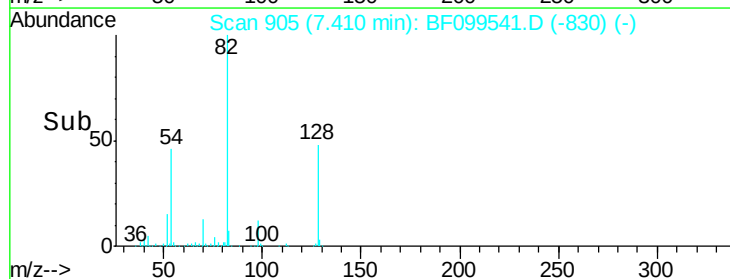
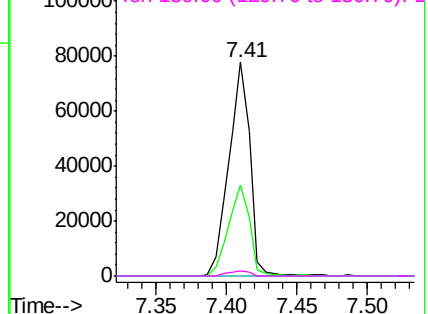
42 42.4 47.5 71.3#

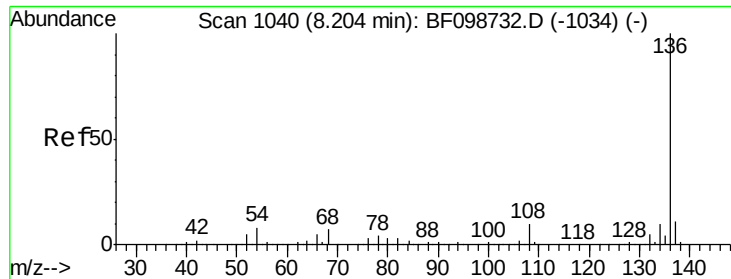
101 0.0 7.4 11.2#

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

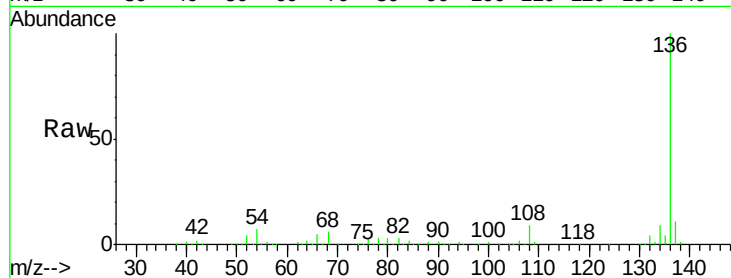




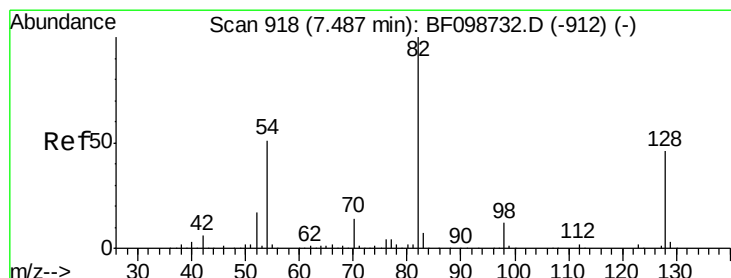
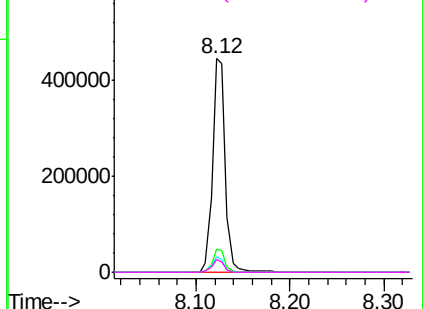
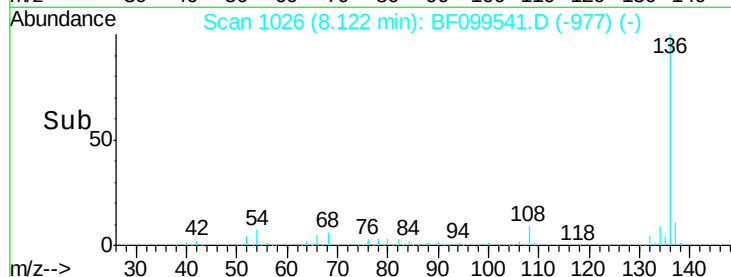
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF099541.D
Acq: 16 Oct 2017 13:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	429101
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.9 13.3
54	7.2	6.6 9.8
68	6.0	5.0 7.4

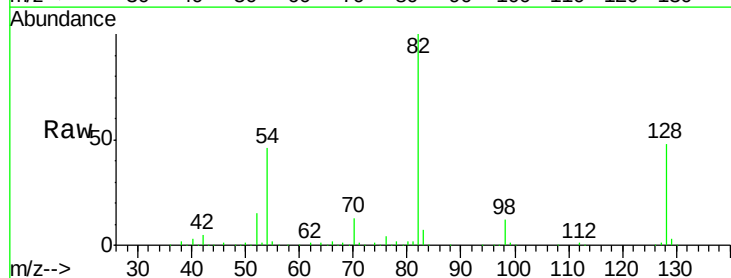


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

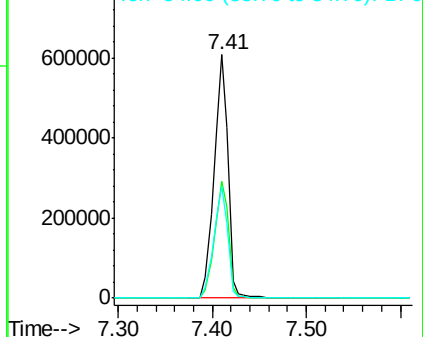
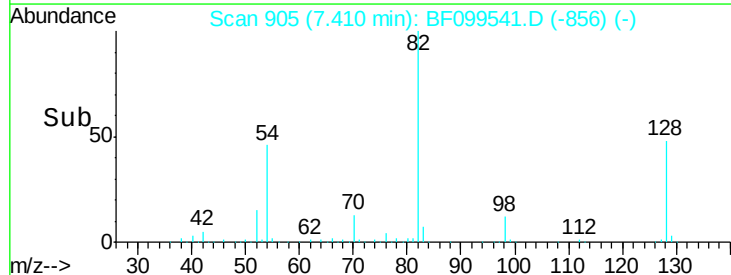


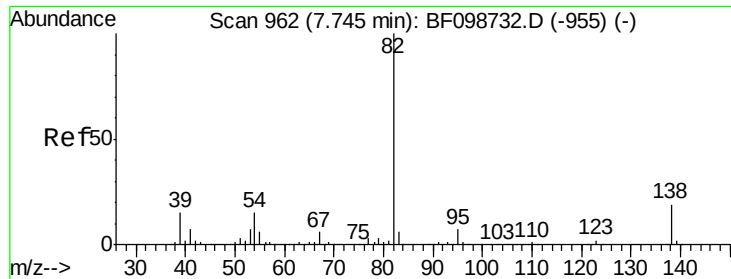
#23
Nitrobenzene-d5
Concen: 95.15 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF099541.D
Acq: 16 Oct 2017 13:45

Tgt Ion: 82	Resp:	636666
Ion	Ratio	Lower Upper
82	100	
128	47.8	36.1 54.1
54	46.1	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: 46.02 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF099541.D

Acq: 16 Oct 2017 13:45

Instrument :

BNA_F

ClientSampleId :

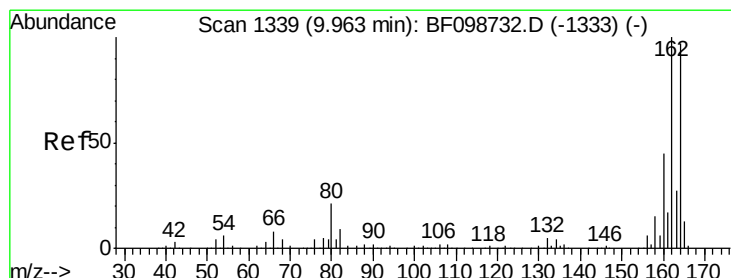
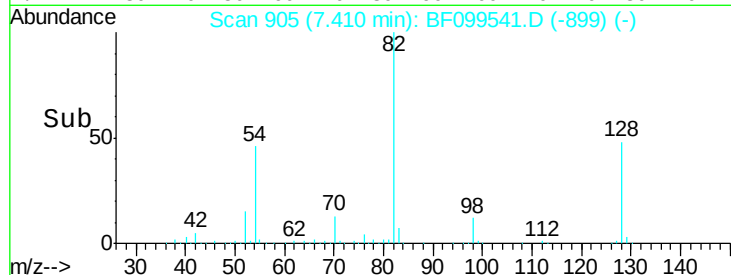
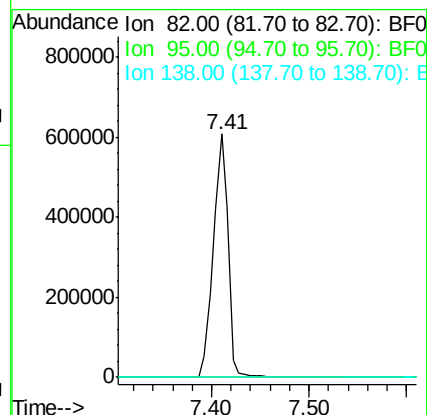
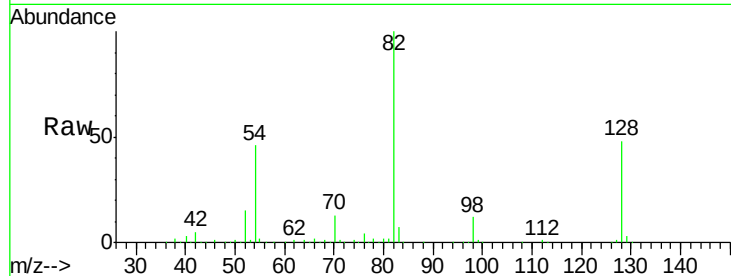
Tot Ion: 82 Resp: 636661

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF099541.D

Acq: 16 Oct 2017 13:45

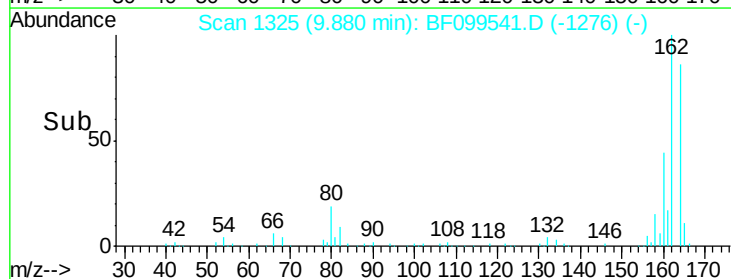
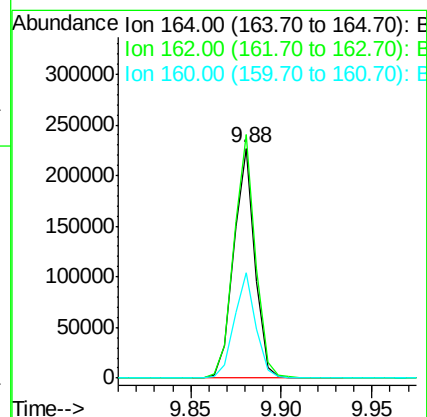
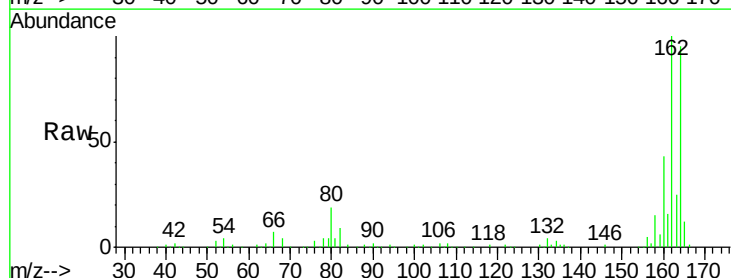
Tgt Ion:164 Resp: 184136

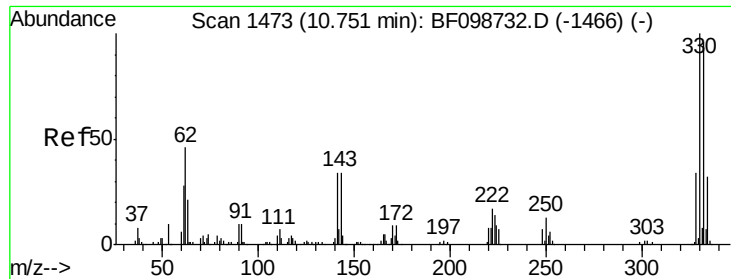
Ion Ratio Lower Upper

164 100

162 105.8 86.1 129.1

160 45.9 38.3 57.5

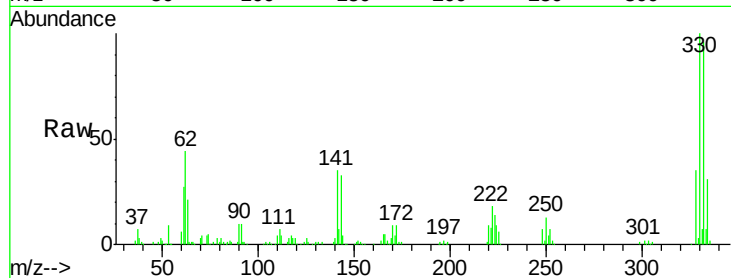




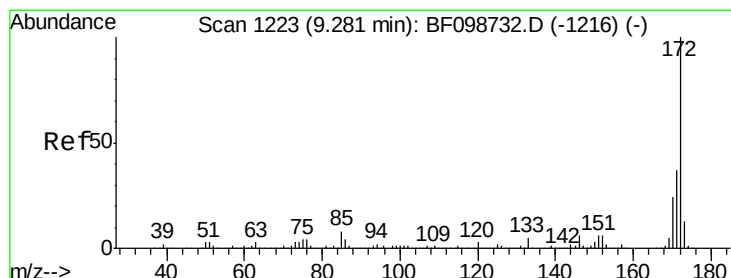
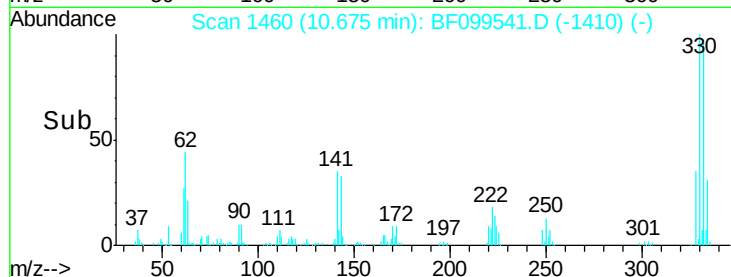
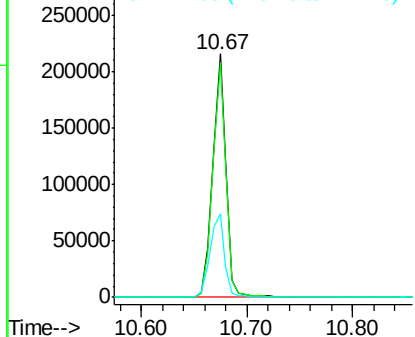
#41
 2,4,6-Tribromophenol
 Concen: 128.70 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF099541.D
 Acq: 16 Oct 2017 13:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	37.3	29.9	44.9

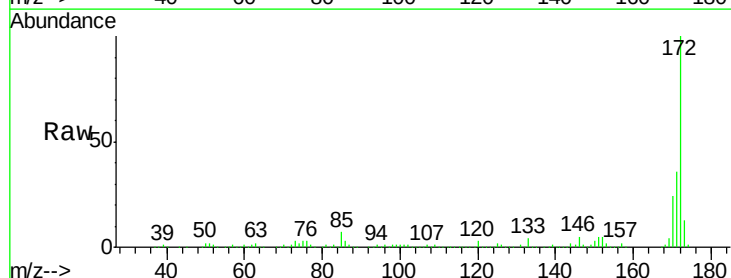


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

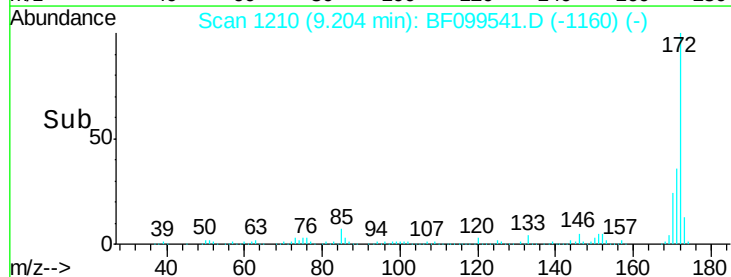
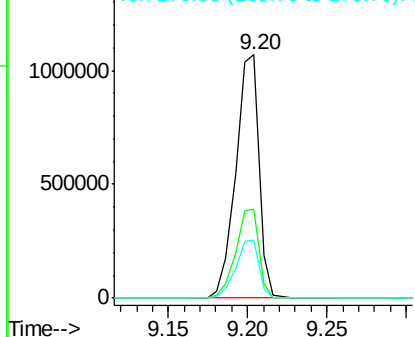


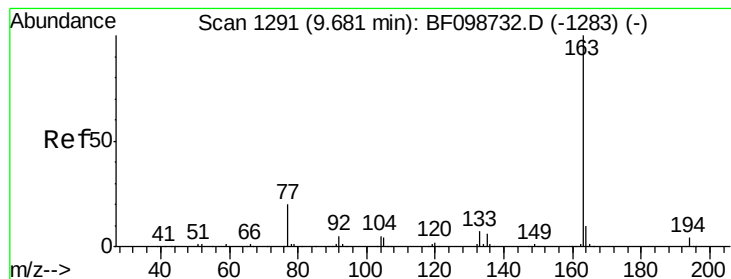
#44
 2-Fluorobiphenyl
 Concen: 98.52 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF099541.D
 Acq: 16 Oct 2017 13:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	23.7	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: 12.89 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF099541.D

Acq: 16 Oct 2017 13:45

Instrument :

BNA_F

ClientSampleId :

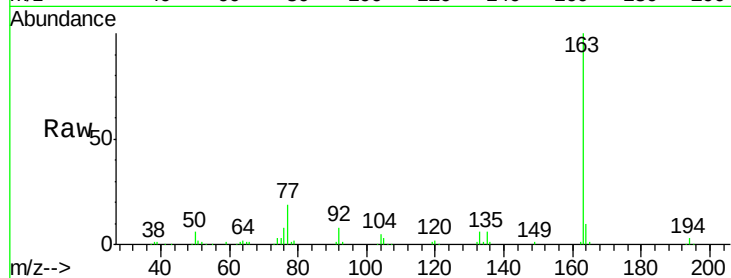
Tot Ion:163 Resp: 179166

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

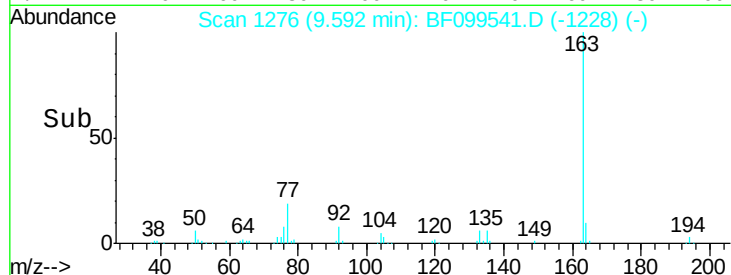
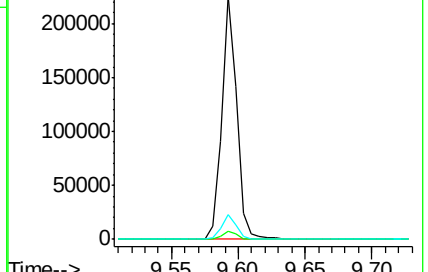
164 10.3 8.2 12.2



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: 5.97 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.21 min

Lab File: BF099541.D

Acq: 16 Oct 2017 13:45

Tgt Ion:165 Resp: 23435

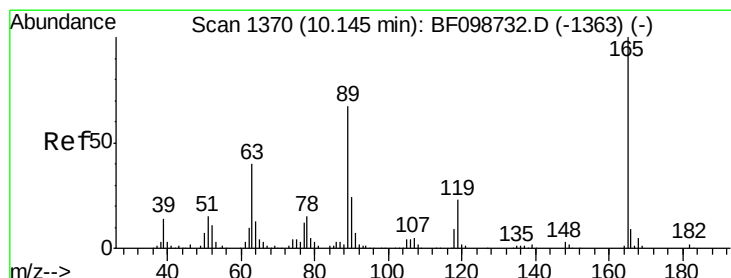
Ion Ratio Lower Upper

165 100

63 1.0 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

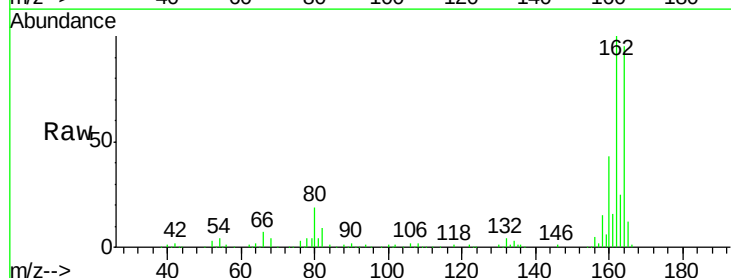
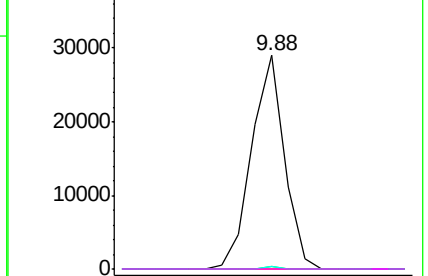


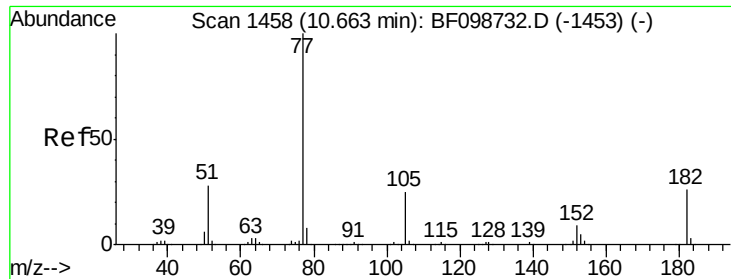
Abundance Ion 165.00 (164.70 to 165.70): E

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: 5.84 ng

RT: 10.59 min Scan# 1446

Delta R.T. 0.01 min

Lab File: BF099541.D

Acq: 16 Oct 2017 13:45

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 72914

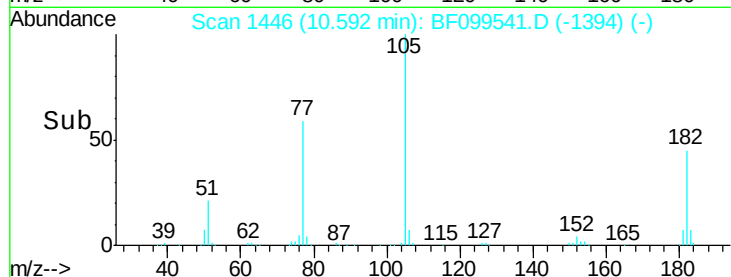
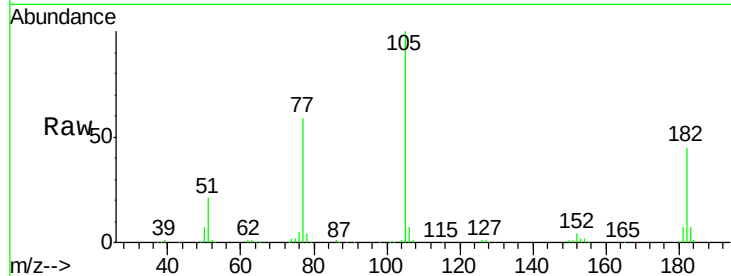
Ion Ratio Lower Upper

77 100

182 75.6 1.7 41.7#

105 168.6 3.0 43.0#

51 35.1 9.9 49.9

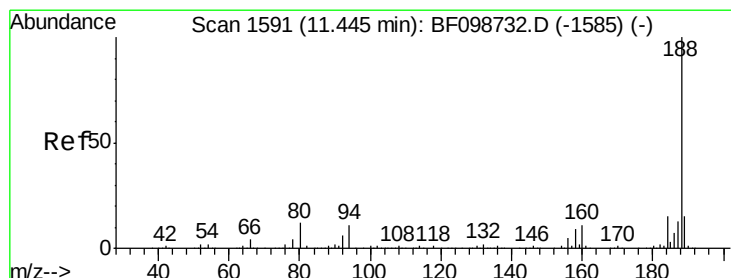
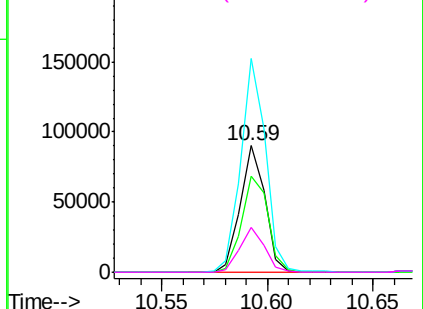


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 20.00 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF099541.D

Acq: 16 Oct 2017 13:45

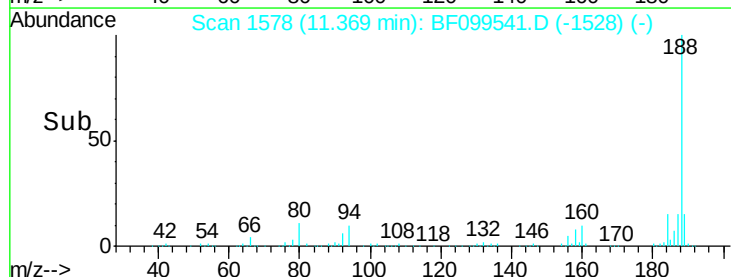
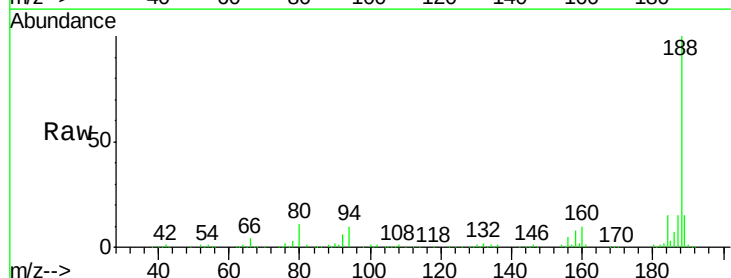
Tgt Ion: 188 Resp: 289450

Ion Ratio Lower Upper

188 100

94 10.3 8.5 12.7

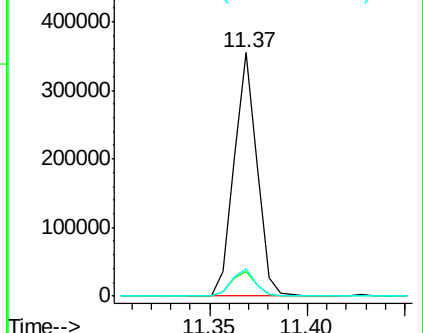
80 10.9 9.2 13.8

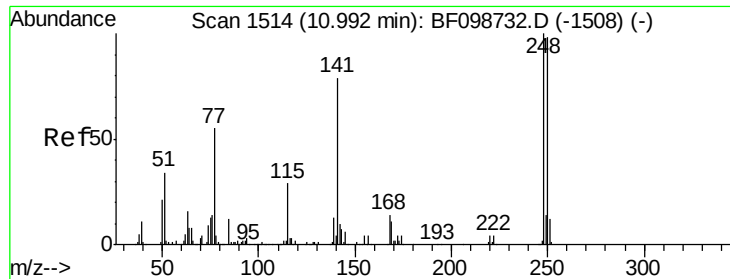


Abundance Ion 188.00 (187.70 to 188.70): BF0

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

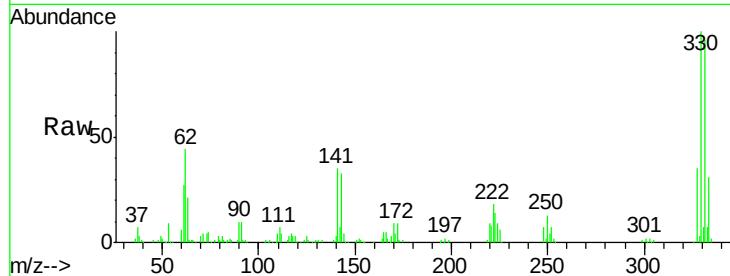




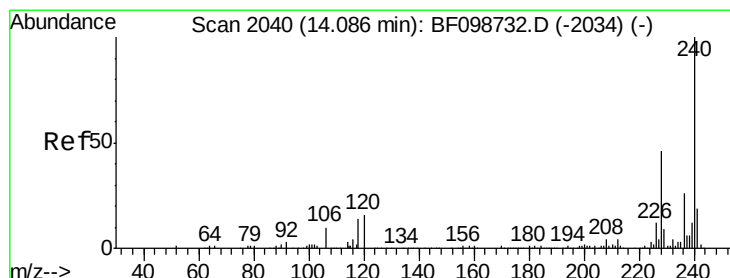
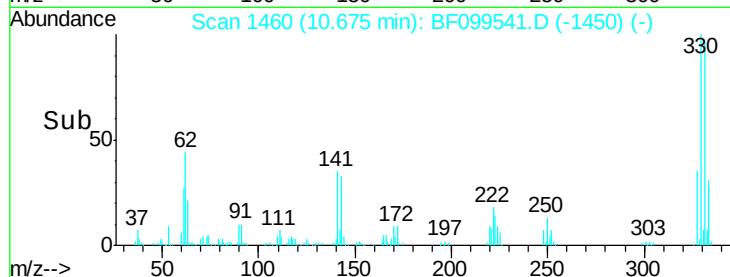
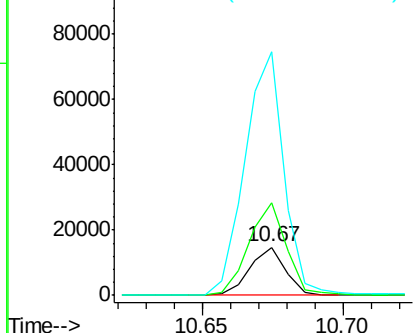
#66
4-Bromophenyl-phenylether
Concen: 4.54 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.24 min
Lab File: BF099541.D
Acq: 16 Oct 2017 13:45

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 12876
Ion Ratio Lower Upper
248 100
250 193.1 76.9 115.3#
141 504.7 74.4 111.6#

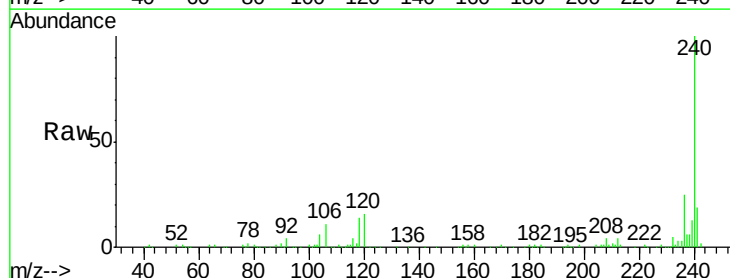


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

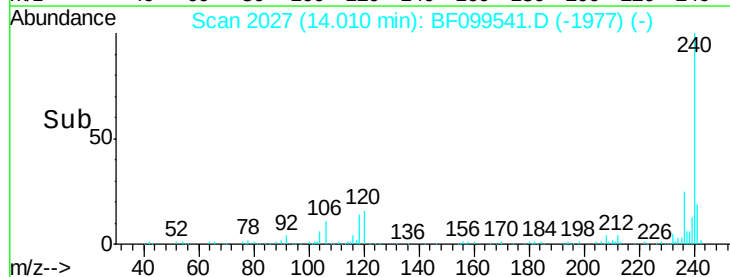
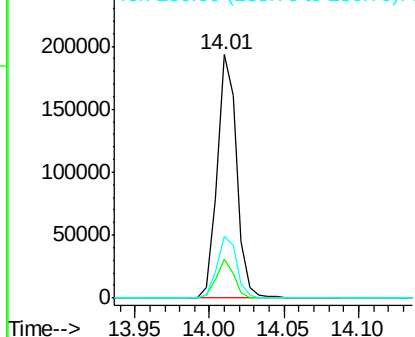


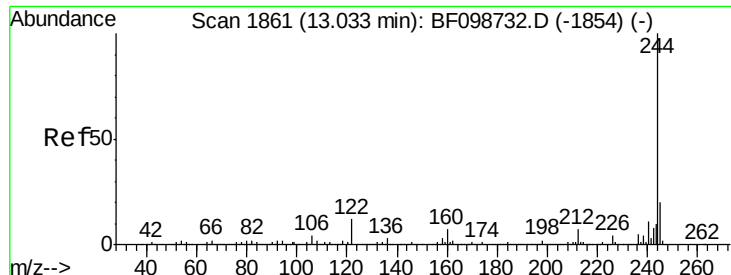
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF099541.D
Acq: 16 Oct 2017 13:45

Tgt Ion:240 Resp: 177251
Ion Ratio Lower Upper
240 100
120 15.7 9.5 14.3#
236 25.3 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

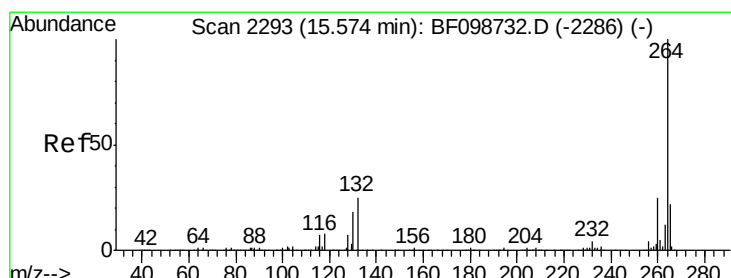
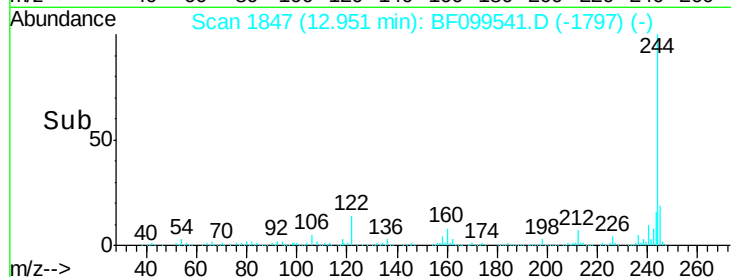
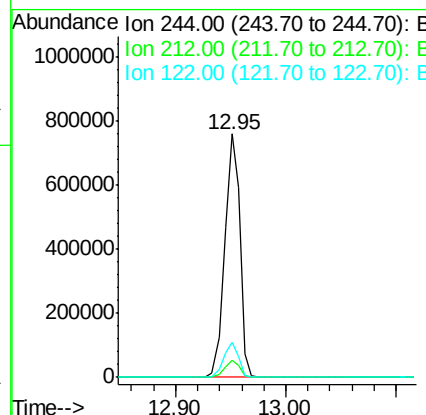
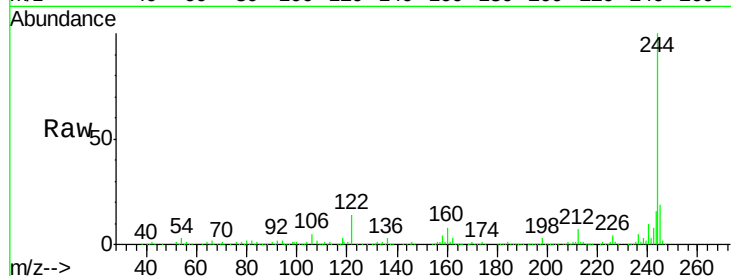




#78
 Terphenyl-d14
 Concen: 92.34 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF099541.D
 Acq: 16 Oct 2017 13:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 719682
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 14.4 11.0 16.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. 0.01 min
 Lab File: BF099541.D
 Acq: 16 Oct 2017 13:45

Tgt Ion:264 Resp: 194739
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.2 28.8
 265 21.3 17.5 26.3

