

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102117\
 Data File : BF099724.D
 Acq On : 21 Oct 2017 13:36
 Operator : SJ/JU
 Sample : I6018-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 22 00:43:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 20 13:11:43 2017
 Response via : Initial Calibration

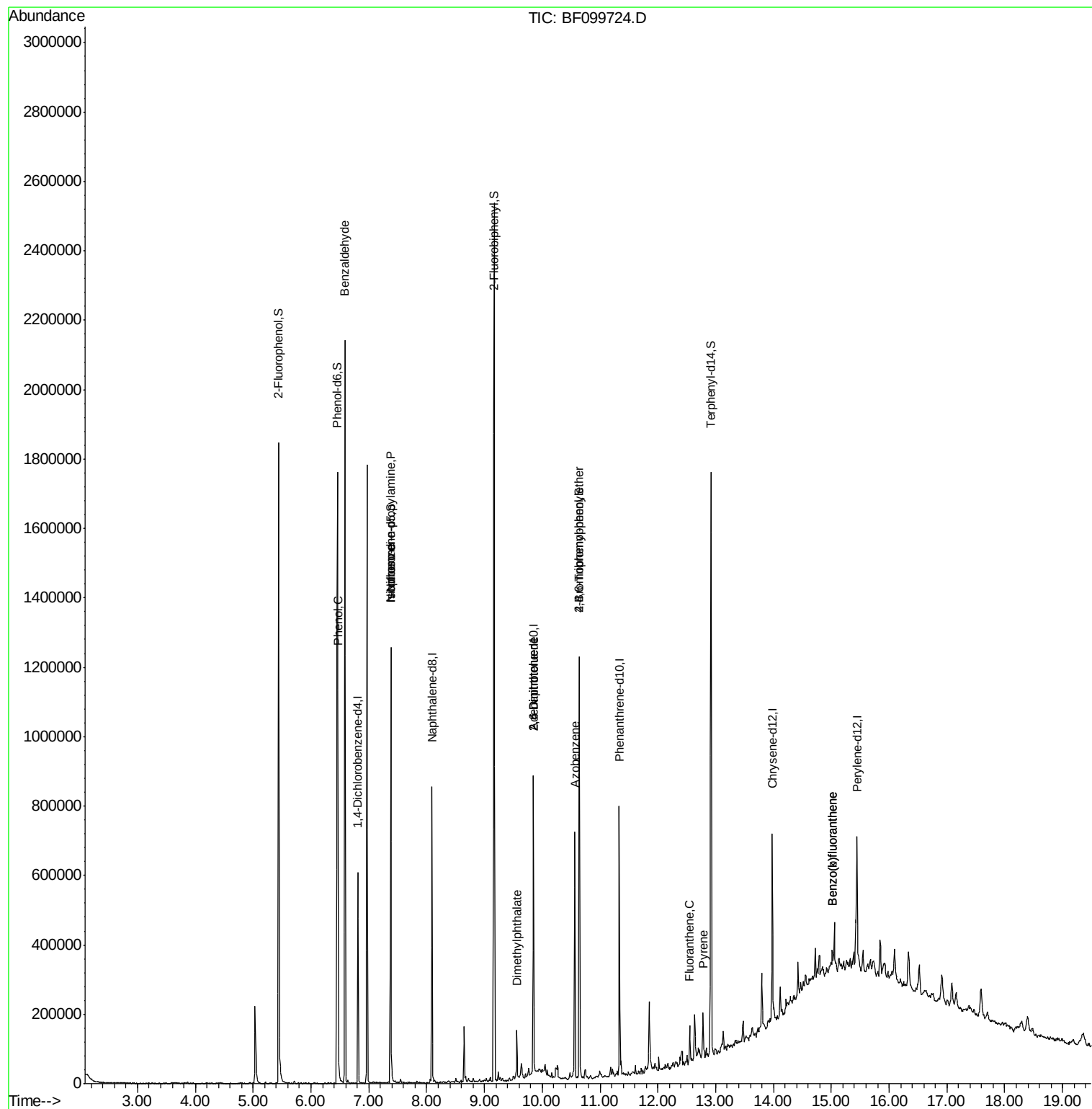
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	91819	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	380658	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	169080	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	283786	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	173120	20.00	ng	0.00
86) Perylene-d12	15.44	264	171013	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	603580	104.64	ng	0.00
7) Phenol-d6	6.46	99	735811	103.41	ng	0.00
23) Nitrobenzene-d5	7.38	82	426239	71.81	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	150131	108.51	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	801249	79.11	ng	0.00
78) Terphenyl-d14	12.92	244	560457	73.62	ng	0.00
Target Compounds						
9) Benzaldehyde	6.59	77	11633	2.818	ng	Qvalue 90
10) Phenol	6.47	94	24033	3.020	ng	97
19) n-Nitroso-di-n-propylamine	7.38	70	53617	11.803	ng	# 72
25) Isophorone	7.38	82	426235	34.732	ng	# 64
49) Dimethylphthalate	9.56	163	51758	4.056	ng	100
50) 2,6-Dinitrotoluene	9.85	165	22259	8.012	ng	# 24
56) 2,4-Dinitrotoluene	9.85	165	22259	6.173	ng	# 22
62) Azobenzene	10.56	77	116464	10.158	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	9979	3.592	ng	# 1
74) Fluoranthene	12.55	202	32702	2.126	ng	99
77) Pyrene	12.78	202	35801	2.712	ng	98
87) Benzo(b)fluoranthene	15.02	252	28102	2.673	ng	# 50
88) Benzo(k)fluoranthene	15.02	252	28102	2.706	ng	# 55

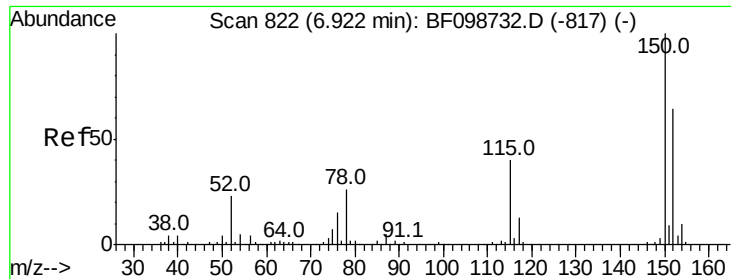
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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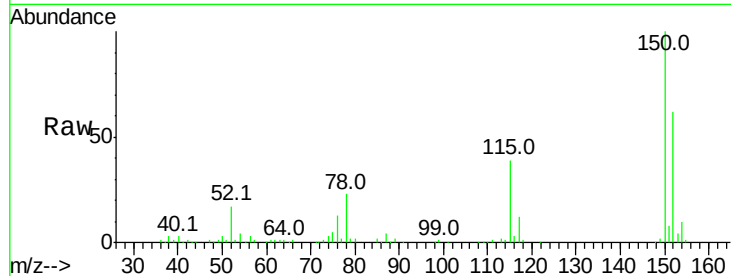


#1

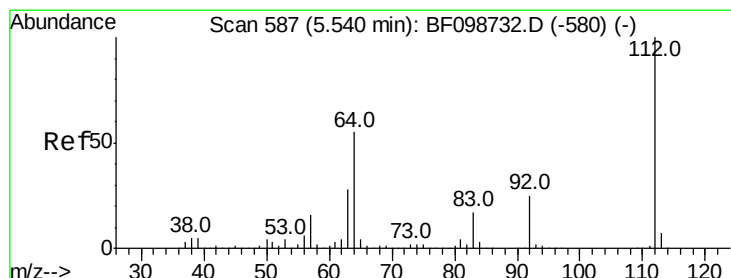
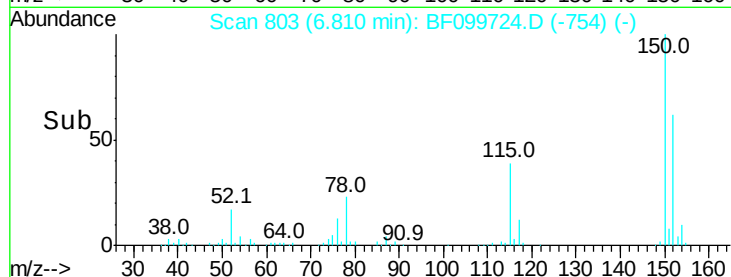
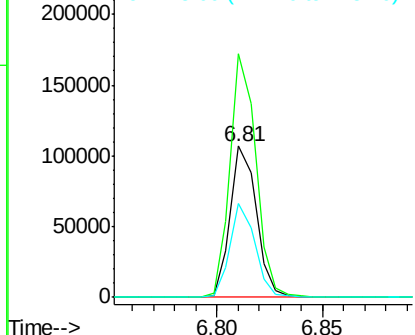
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF099724.D
Acq: 21 Oct 2017 13:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 91819
Ion Ratio Lower Upper
152 100
150 161.2 124.6 186.8
115 62.2 50.1 75.1



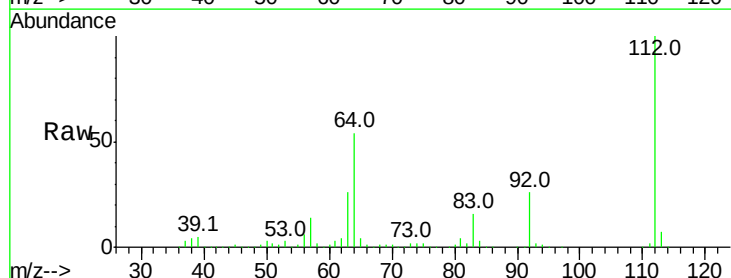
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



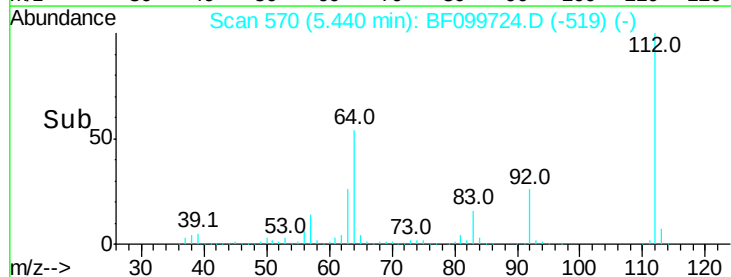
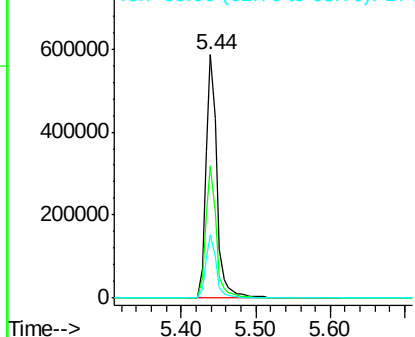
#5

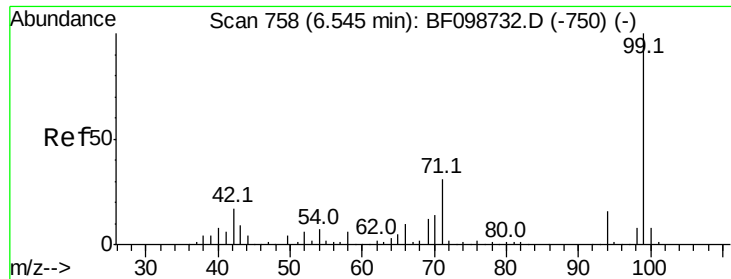
2-Fluorophenol
Concen: 104.645 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF099724.D
Acq: 21 Oct 2017 13:36

Tgt Ion:112 Resp: 603580
Ion Ratio Lower Upper
112 100
64 54.1 47.9 71.9
63 25.9 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: 103.412 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF099724.D

Acq: 21 Oct 2017 13:36

Instrument :

BNA_F

ClientSampleId :

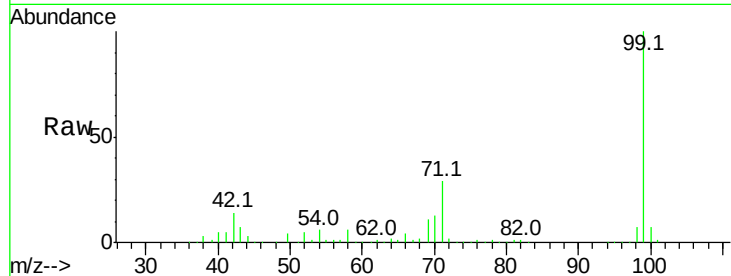
Tot Ion: 99 Resp: 735811

Ion Ratio Lower Upper

99 100

42 14.5 14.5 21.7#

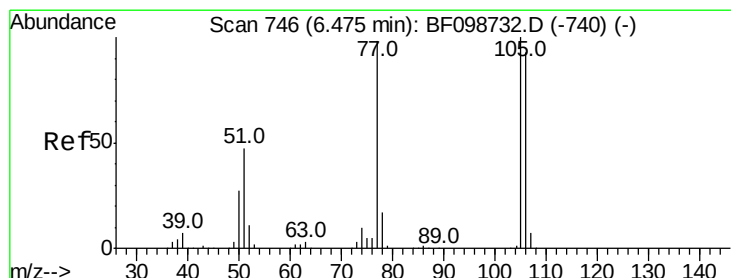
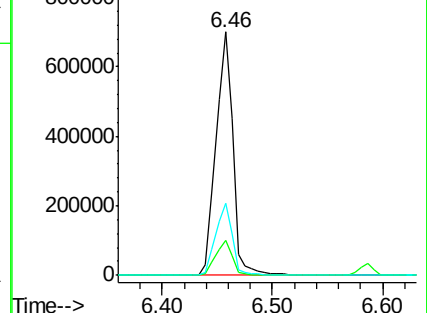
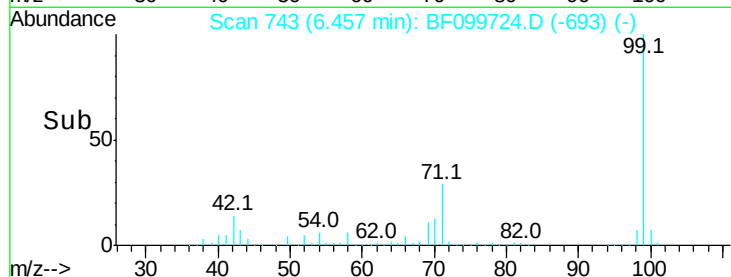
71 29.5 25.4 38.0



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: 2.818 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.21 min

Lab File: BF099724.D

Acq: 21 Oct 2017 13:36

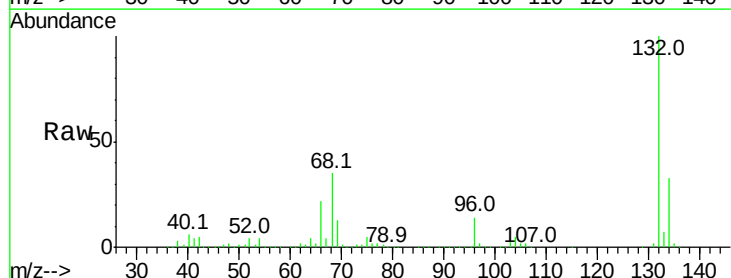
Tgt Ion: 77 Resp: 11633

Ion Ratio Lower Upper

77 100

105 87.3 81.1 121.1

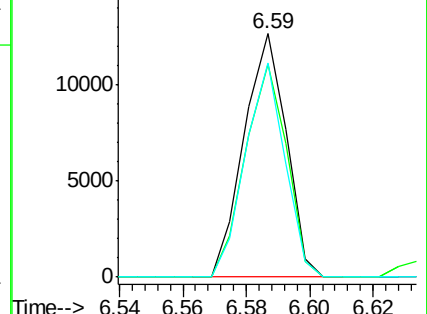
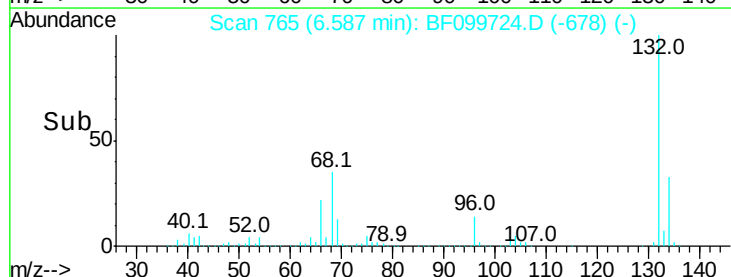
106 88.0 74.5 114.5

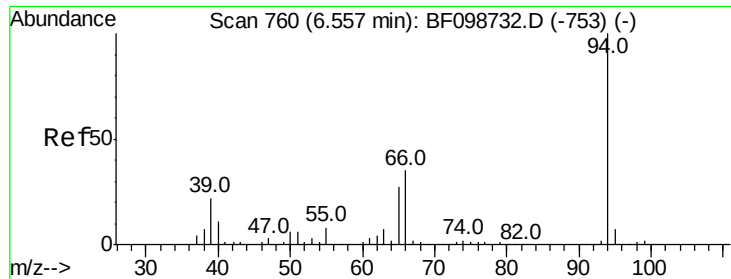


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.020 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF099724.D

Acq: 21 Oct 2017 13:36

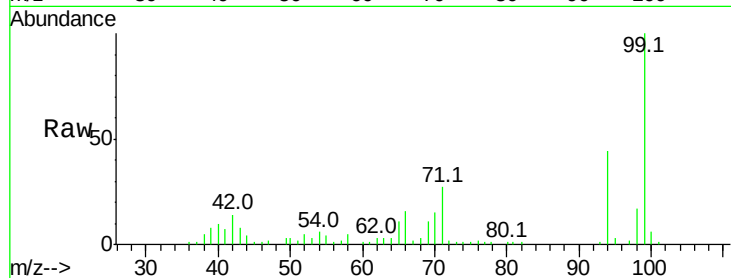
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 94 Resp: 24033

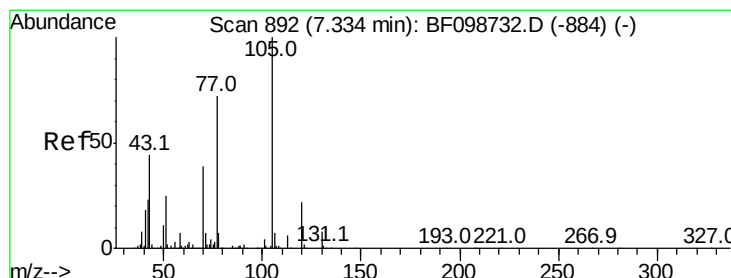
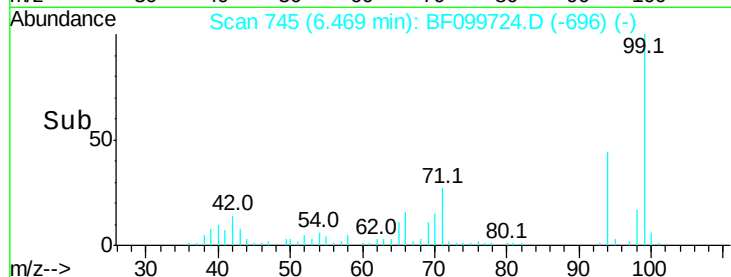
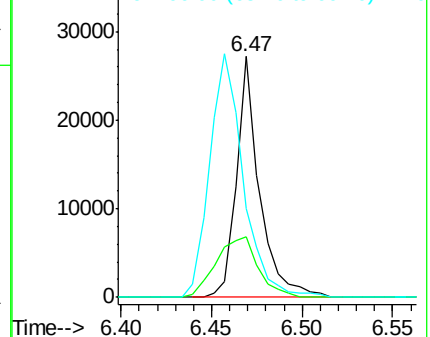
Ion	Ratio	Lower	Upper
94	100		
65	25.1	7.9	47.9
66	36.9	16.2	56.2



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: 11.803 ng

RT: 7.38 min Scan# 900

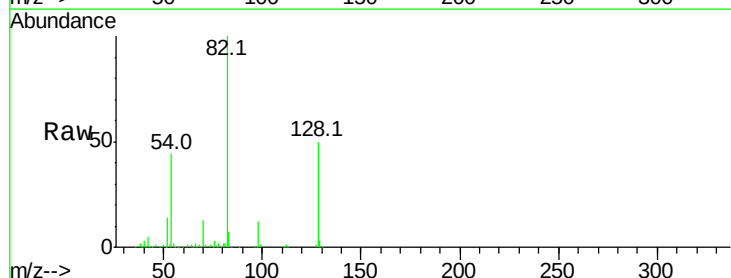
Delta R.T. 0.15 min

Lab File: BF099724.D

Acq: 21 Oct 2017 13:36

Tgt Ion: 70 Resp: 53617

Ion	Ratio	Lower	Upper
70	100		
42	40.9	47.5	71.3#
101	0.0	7.4	11.2#
130	2.6	16.6	25.0#

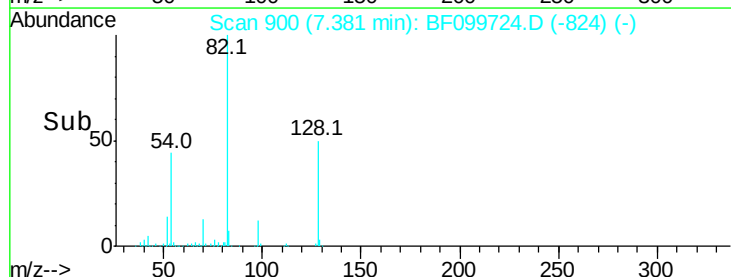
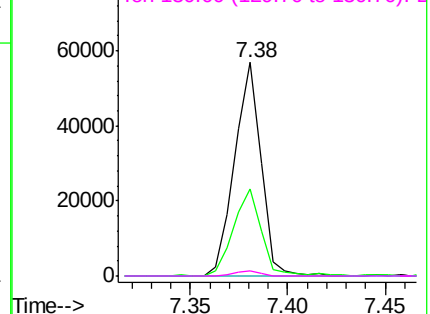


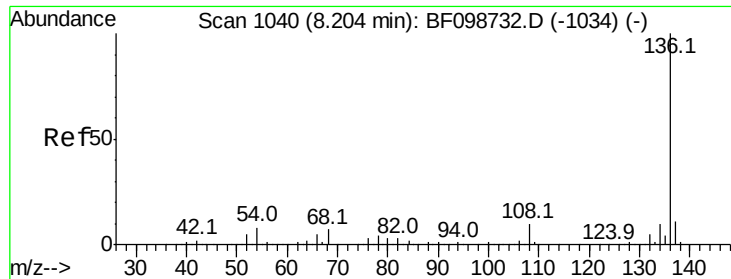
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

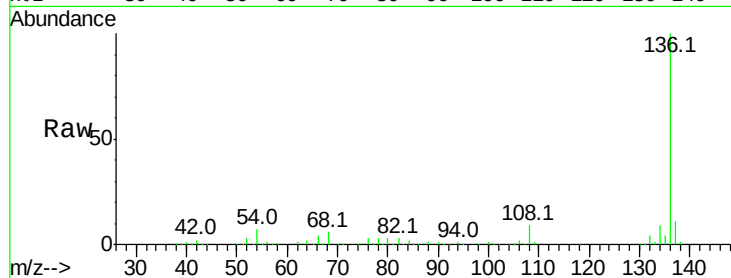




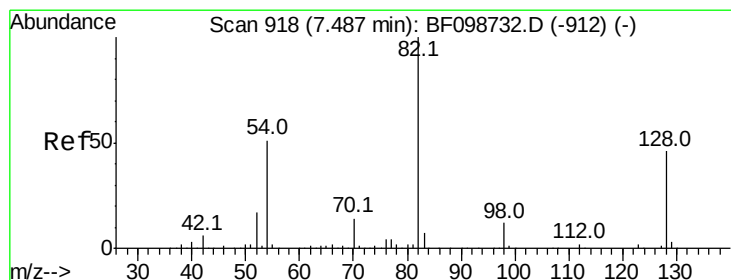
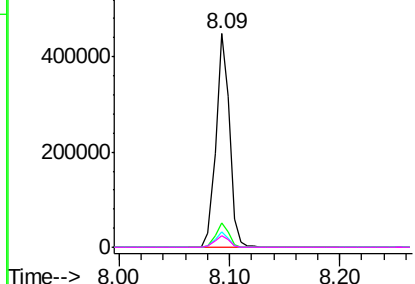
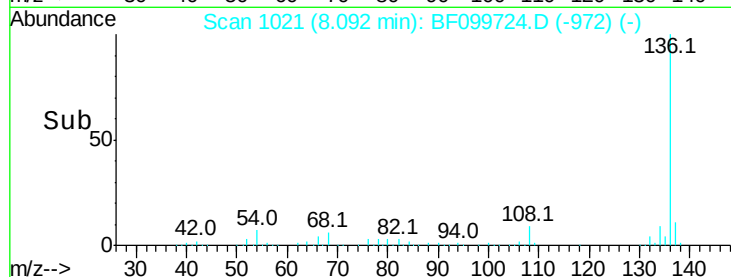
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF099724.D
Acq: 21 Oct 2017 13:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	380658
Ion	Ratio	Lower Upper
136	100	
137	11.3	8.9 13.3
54	7.2	6.6 9.8
68	5.7	5.0 7.4

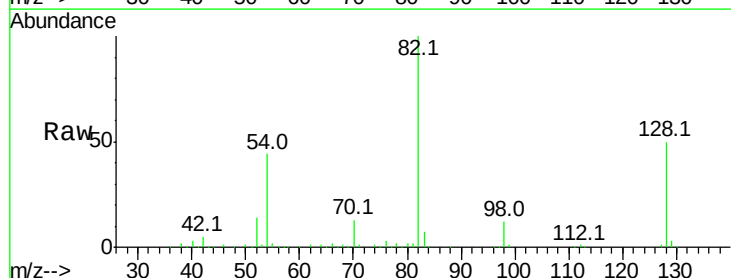


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

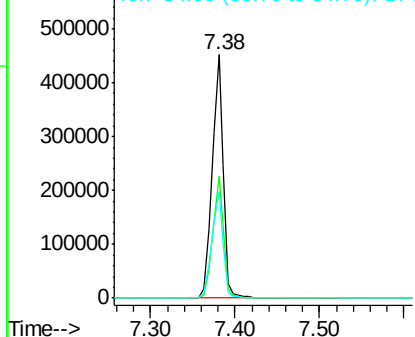
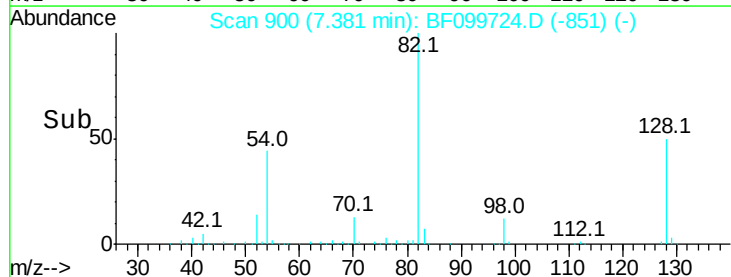


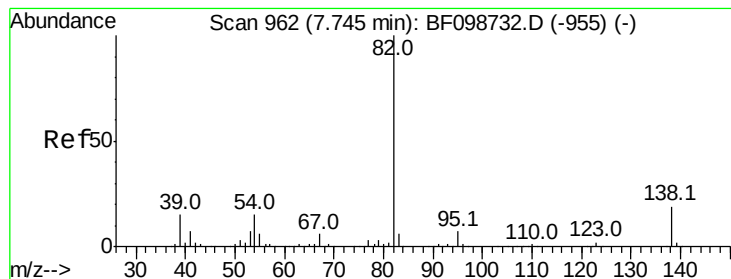
#23
Nitrobenzene-d5
Concen: 71.809 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF099724.D
Acq: 21 Oct 2017 13:36

Tgt Ion: 82	Resp:	426239
Ion	Ratio	Lower Upper
82	100	
128	49.9	36.1 54.1
54	43.7	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: 34.732 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF099724.D

Acq: 21 Oct 2017 13:36

Instrument :

BNA_F

ClientSampled :

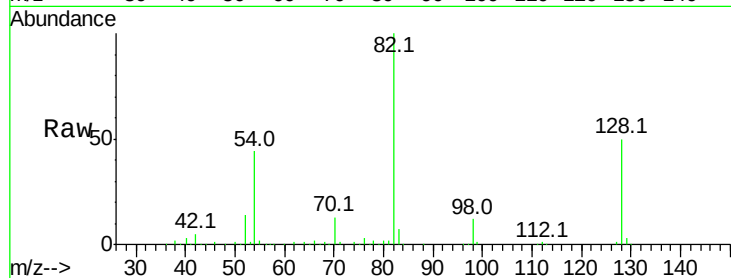
Tot Ion: 82 Resp: 426235

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

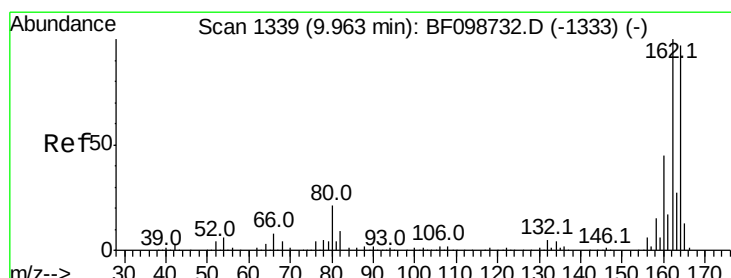
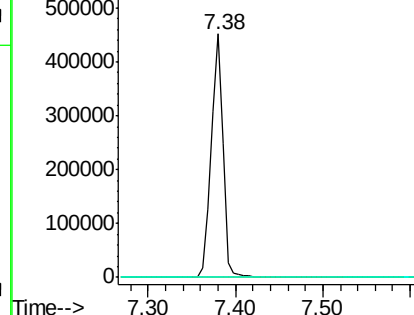
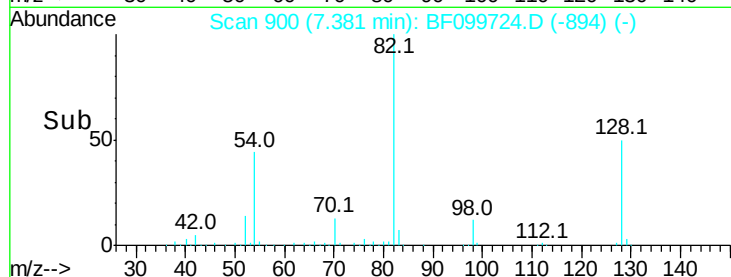
138 0.0 14.9 22.3#



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: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF099724.D

Acq: 21 Oct 2017 13:36

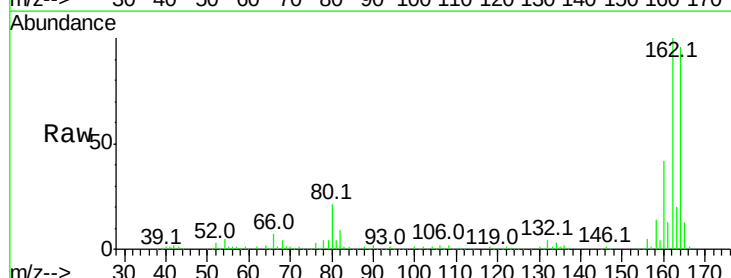
Tgt Ion:164 Resp: 169080

Ion Ratio Lower Upper

164 100

162 104.7 86.1 129.1

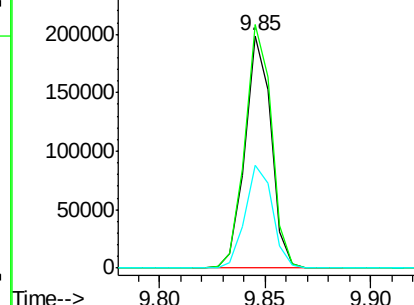
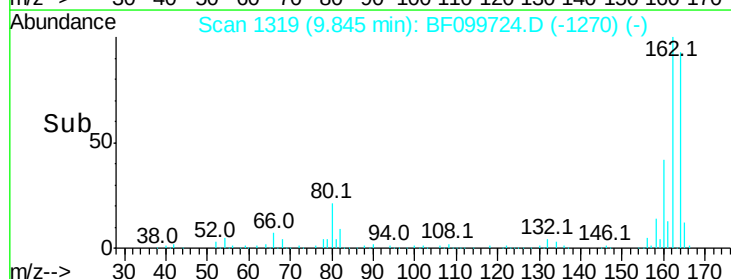
160 44.3 38.3 57.5

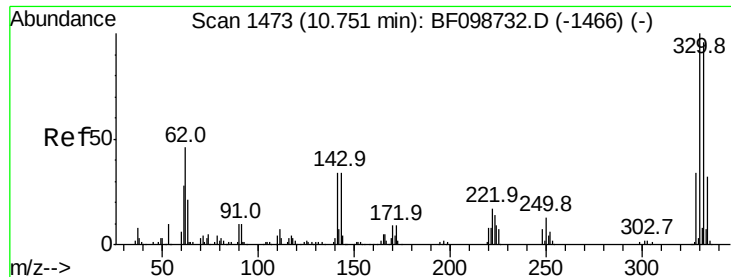


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

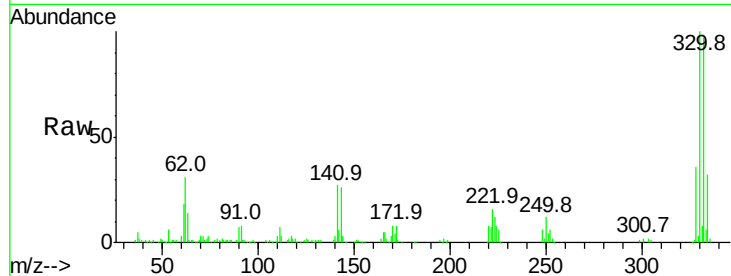




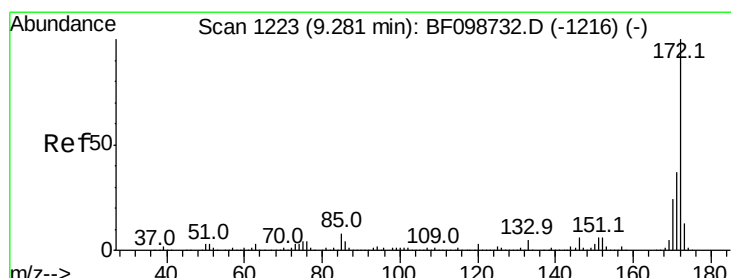
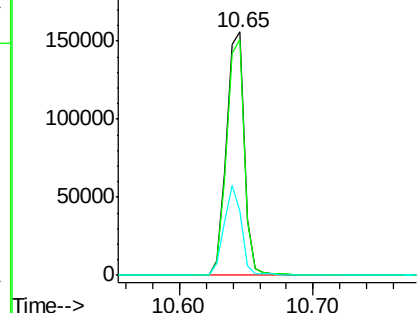
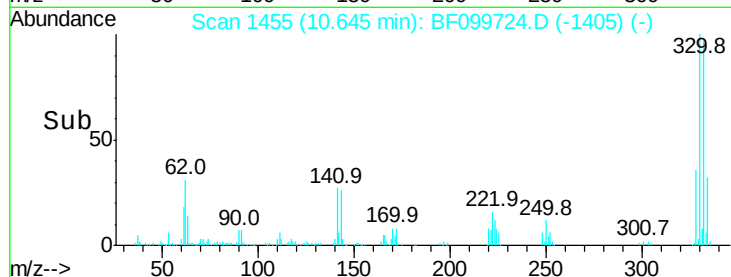
#41
 2,4,6-Tribromophenol
 Concen: 108.513 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.01 min
 Lab File: BF099724.D
 Acq: 21 Oct 2017 13:36

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	35.7	29.9	44.9

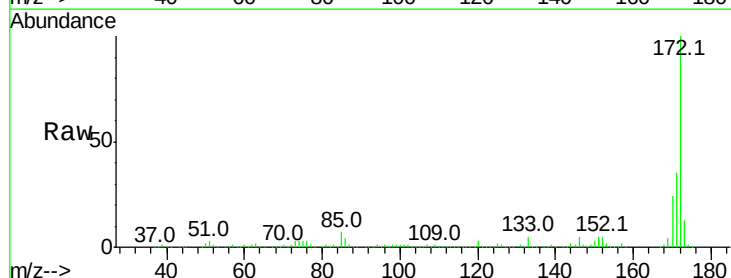


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

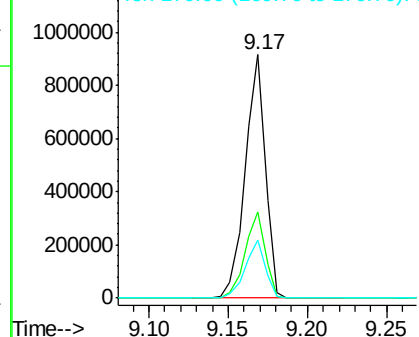
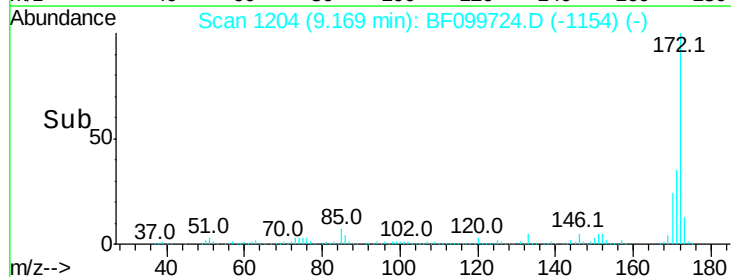


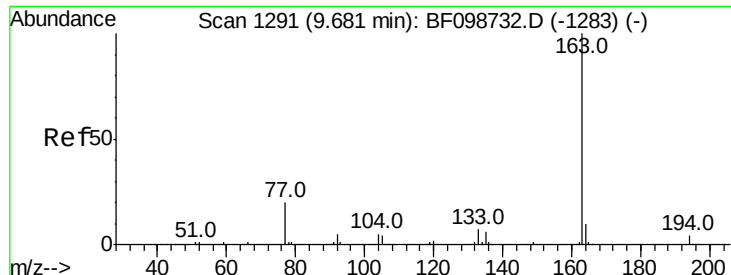
#44
 2-Fluorobiphenyl
 Concen: 79.112 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF099724.D
 Acq: 21 Oct 2017 13:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	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

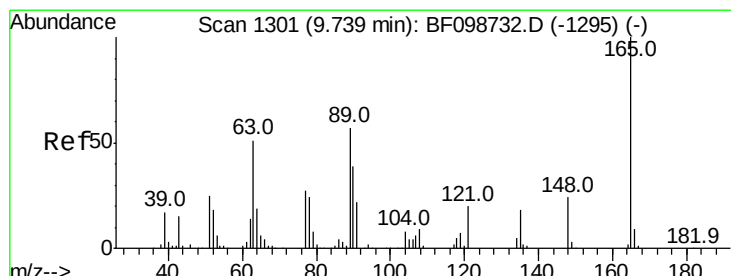
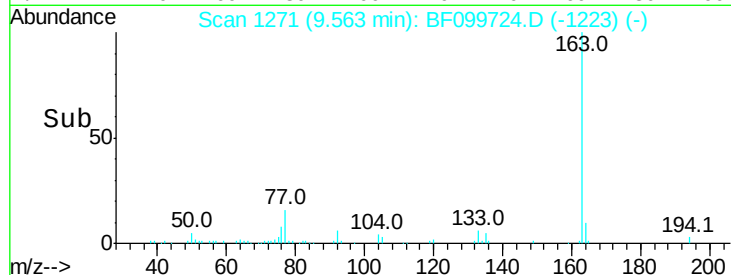
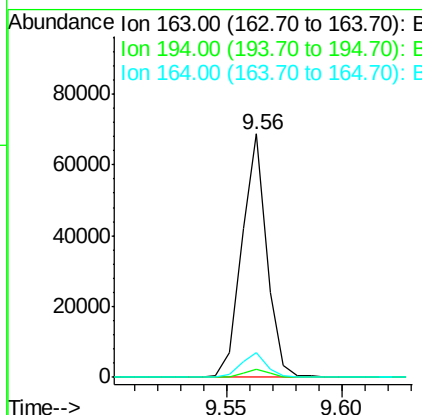
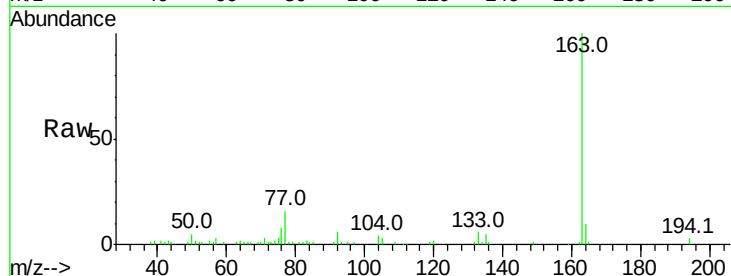




#49
Dimethylphthalate
Concen: 4.056 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF099724.D
Acq: 21 Oct 2017 13:36

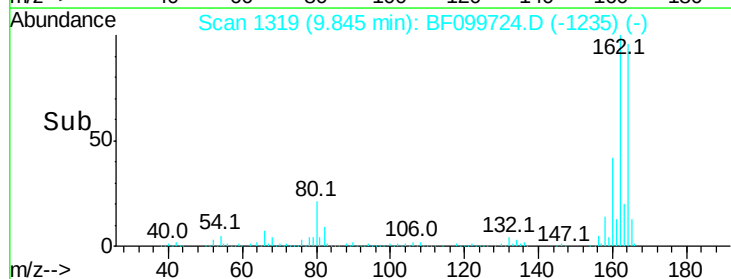
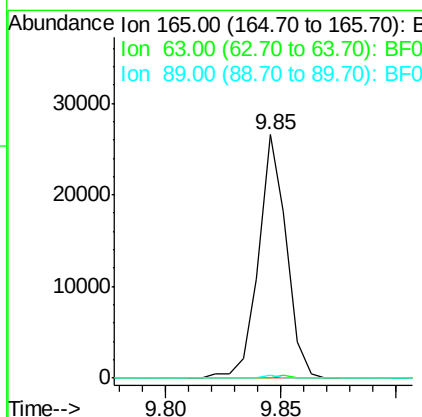
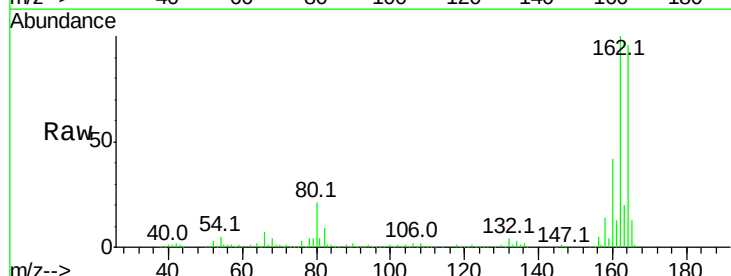
Instrument :
BNA_F
ClientSampleId :

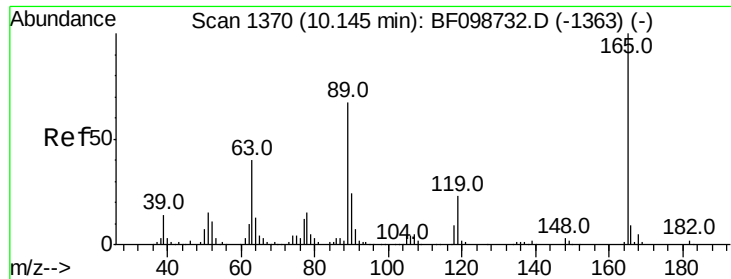
Tot Ion:163 Resp: 51758
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.1 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 8.012 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.19 min
Lab File: BF099724.D
Acq: 21 Oct 2017 13:36

Tgt Ion:165 Resp: 22259
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 1.2 44.0 66.0#





#56

2,4-Dinitrotoluene

Concen: 6.173 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.21 min

Lab File: BF099724.D

Acq: 21 Oct 2017 13:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 22259

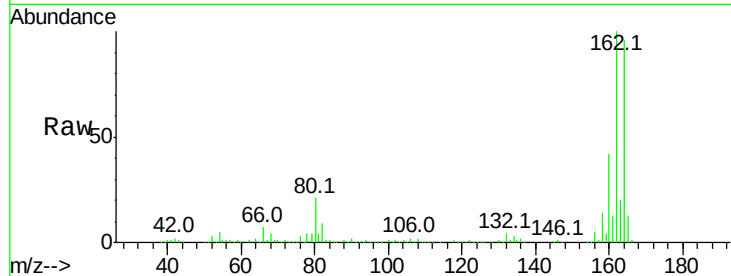
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.2 57.8 86.6#

182 0.0 1.6 2.4#

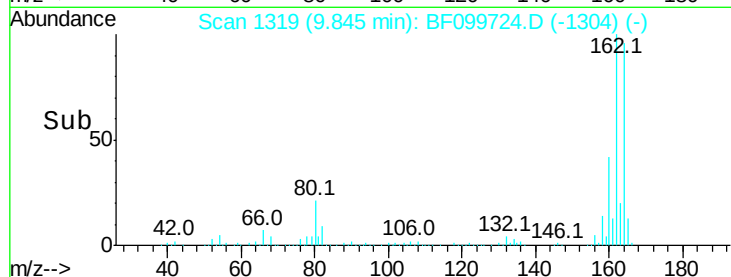


Abundance Ion 165.00 (164.70 to 165.70): E

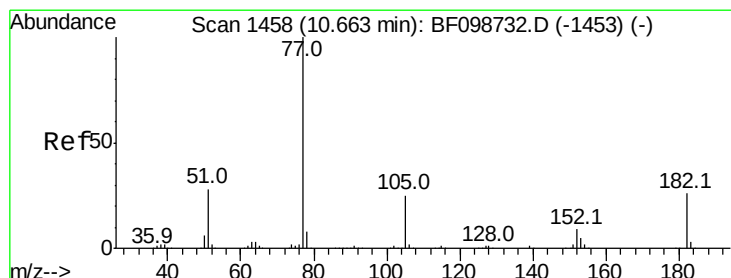
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



Time-->



#62

Azobenzene

Concen: 10.158 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.01 min

Lab File: BF099724.D

Acq: 21 Oct 2017 13:36

Tgt Ion: 77 Resp: 116464

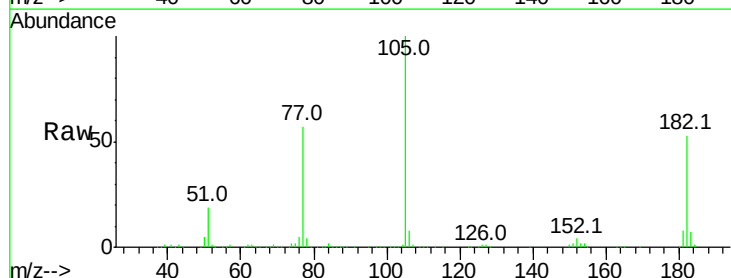
Ion Ratio Lower Upper

77 100

182 93.1 1.7 41.7#

105 177.0 3.0 43.0#

51 33.4 9.9 49.9

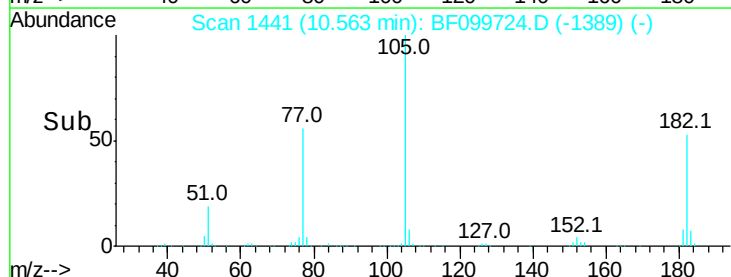


Abundance Ion 77.00 (76.70 to 77.70): BF0

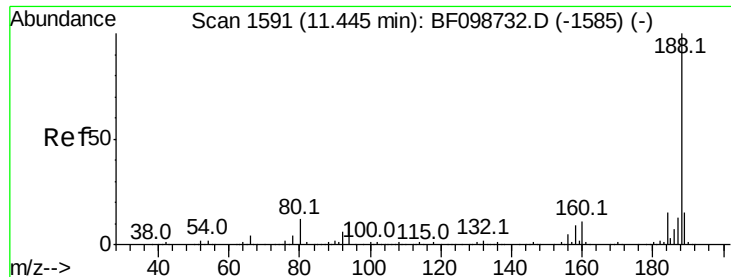
Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



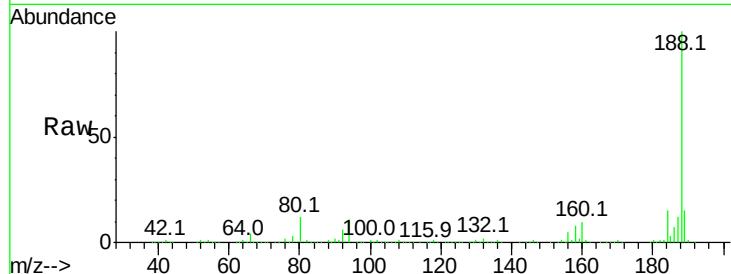
Time-->



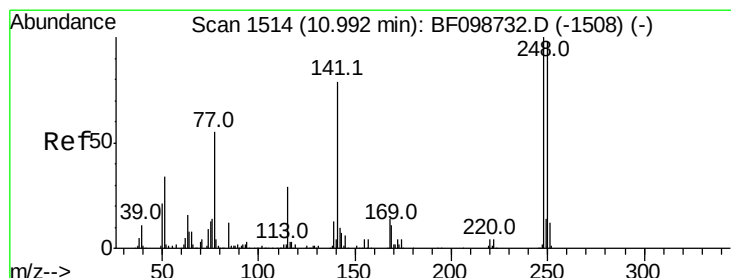
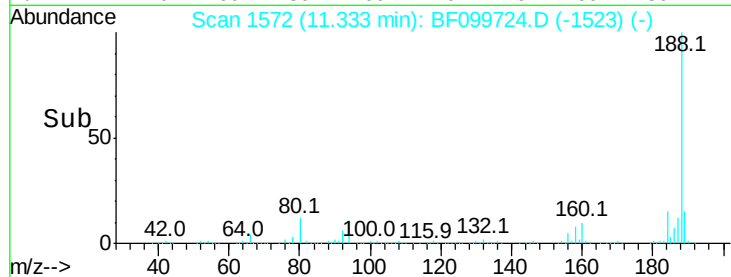
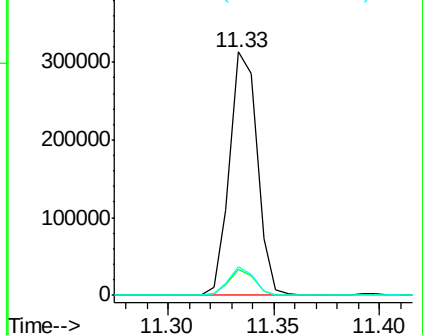
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF099724.D
Acq: 21 Oct 2017 13:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 283786
Ion Ratio Lower Upper
188 100
94 10.7 8.5 12.7
80 11.6 9.2 13.8

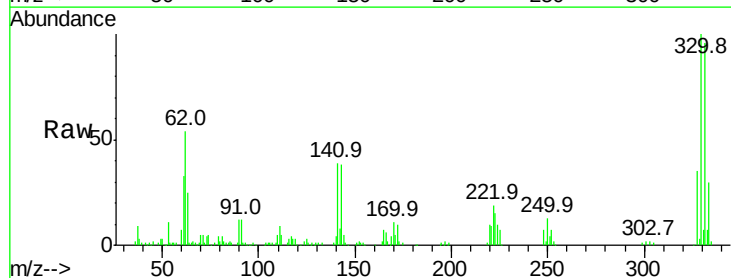


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

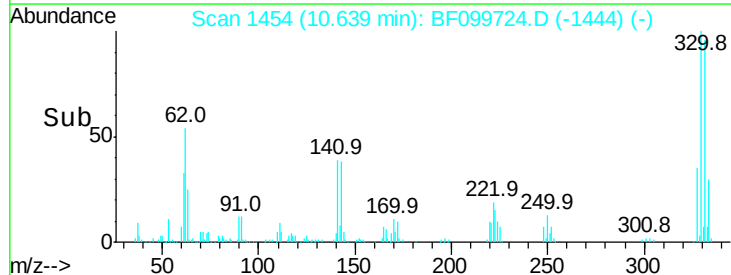
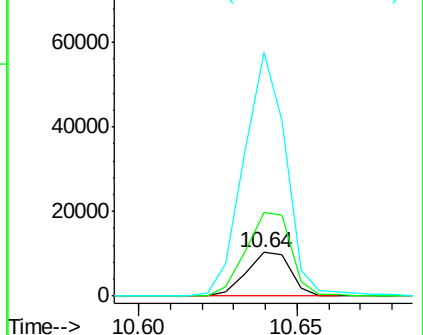


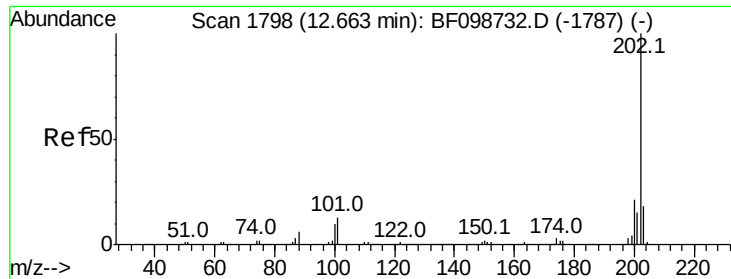
#66
4-Bromophenyl-phenylether
Concen: 3.592 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF099724.D
Acq: 21 Oct 2017 13:36

Tgt Ion:248 Resp: 9979
Ion Ratio Lower Upper
248 100
250 192.8 76.9 115.3#
141 558.7 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





#74

Fluoranthene

Concen: 2.126 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BF099724.D

Acq: 21 Oct 2017 13:36

Instrument :

BNA_F

ClientSampleId :

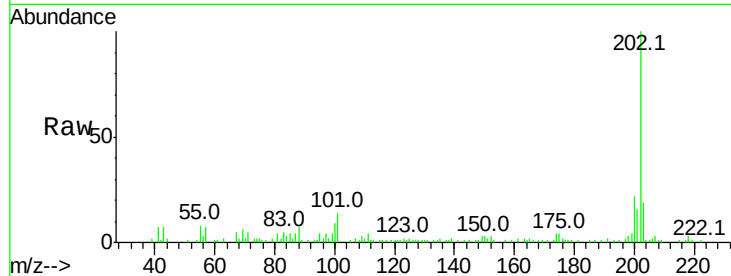
Tot Ion:202 Resp: 32702

Ion Ratio Lower Upper

202 100

101 14.1 0.0 34.1

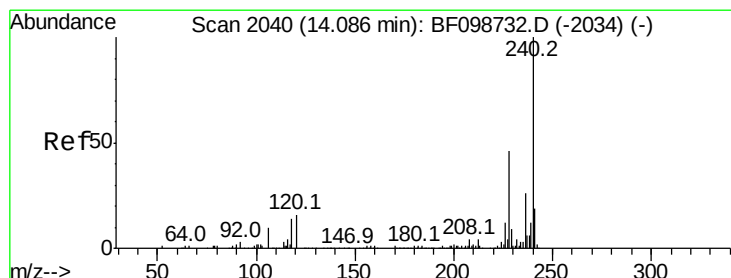
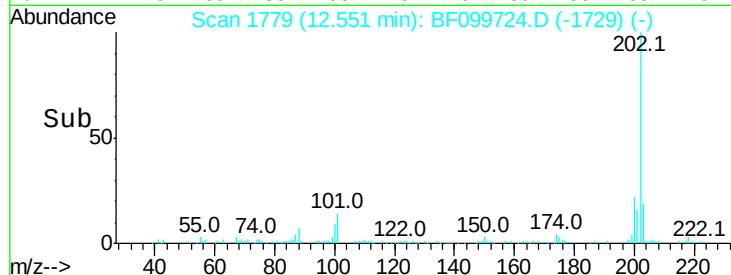
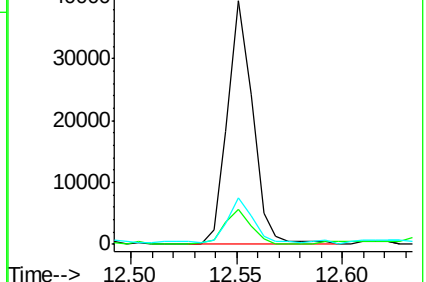
203 19.0 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF099724.D

Acq: 21 Oct 2017 13:36

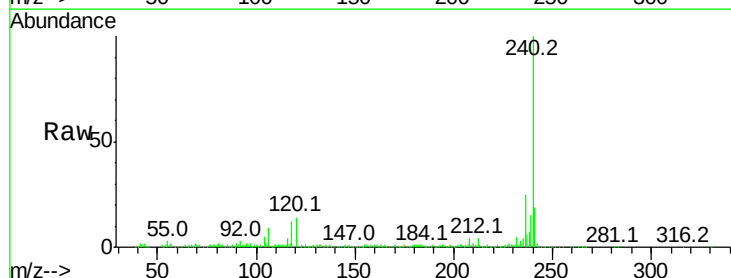
Tgt Ion:240 Resp: 173120

Ion Ratio Lower Upper

240 100

120 13.7 9.5 14.3

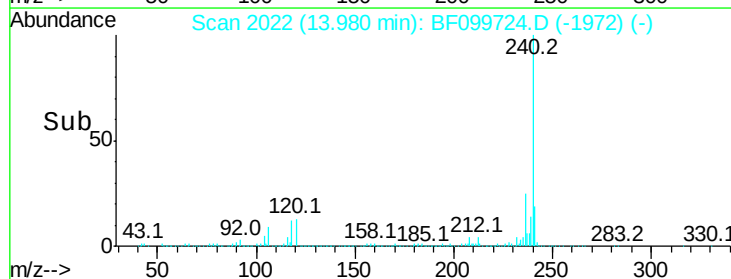
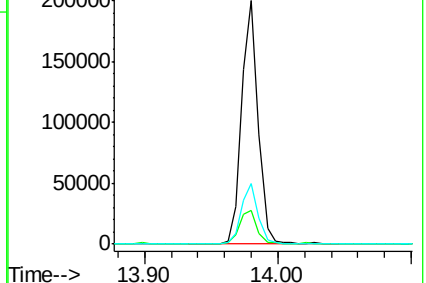
236 24.7 20.7 31.1

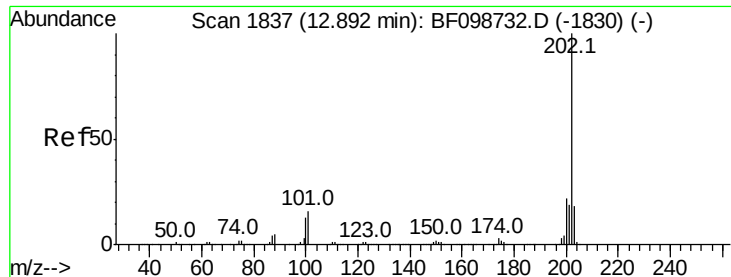


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.712 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF099724.D

Acq: 21 Oct 2017 13:36

Instrument :

BNA_F

ClientSampleId :

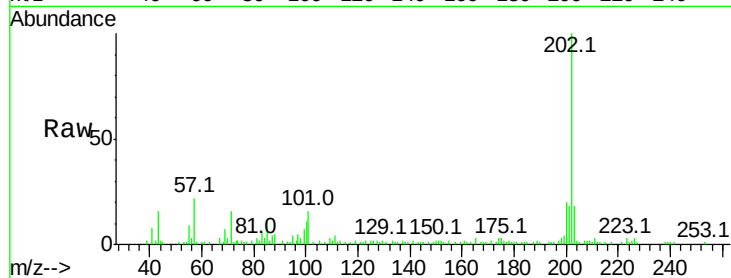
Tot Ion:202 Resp: 35801

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

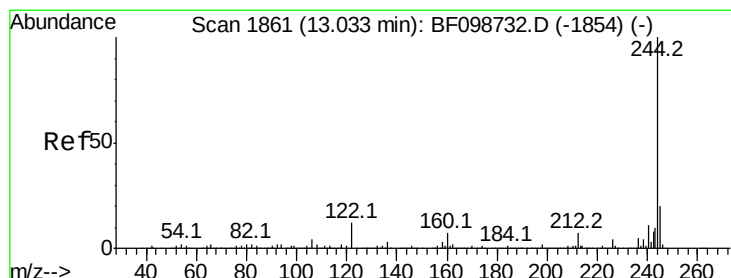
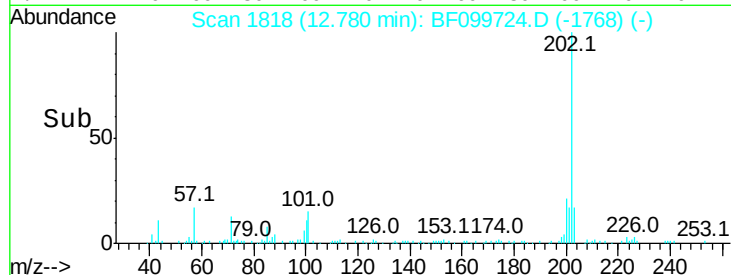
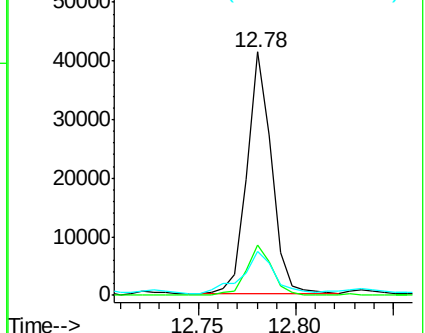
203 18.3 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 73.625 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF099724.D

Acq: 21 Oct 2017 13:36

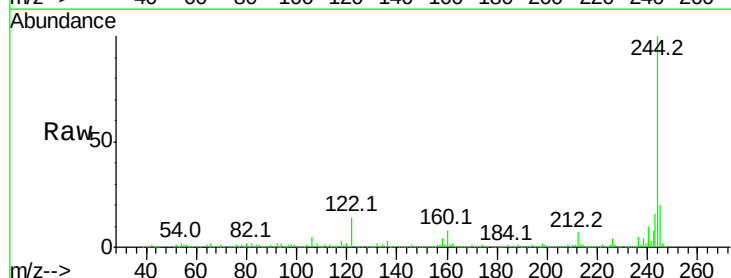
Tgt Ion:244 Resp: 560457

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

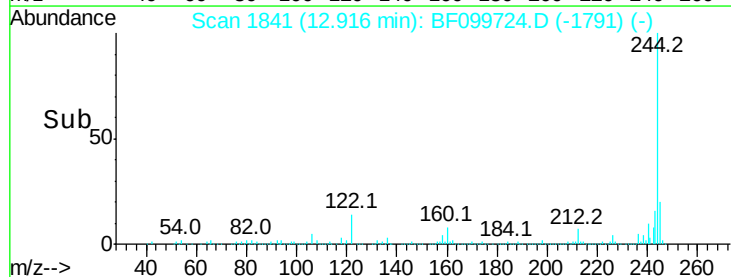
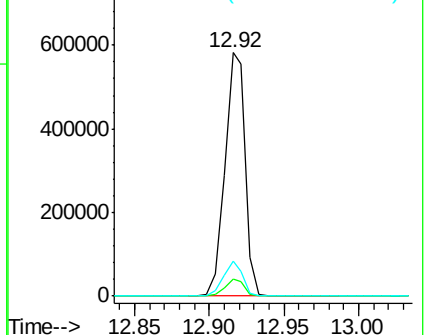
122 14.5 11.0 16.4

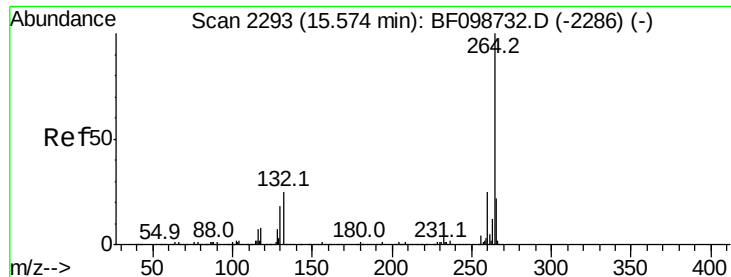


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



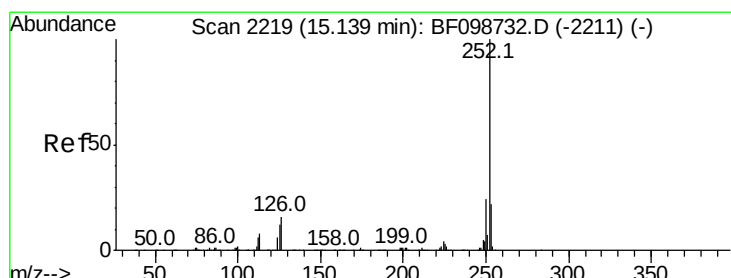
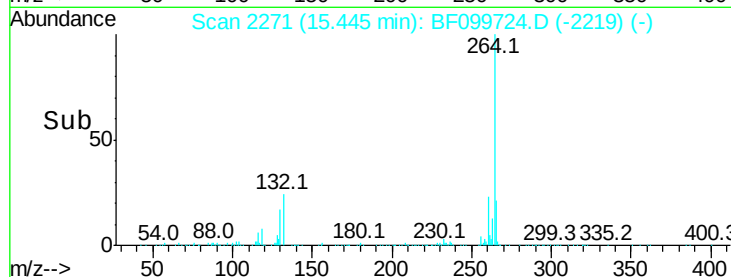
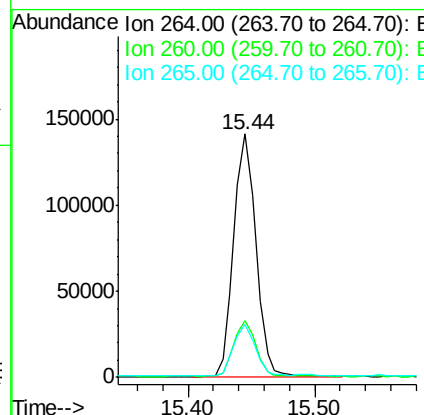
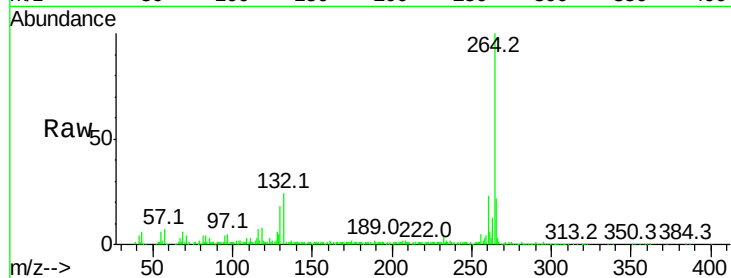


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF099724.D
Acq: 21 Oct 2017 13:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 171013

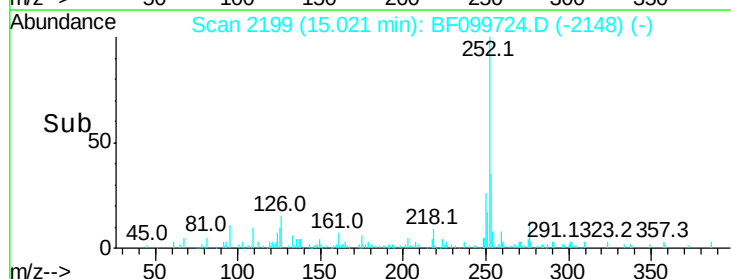
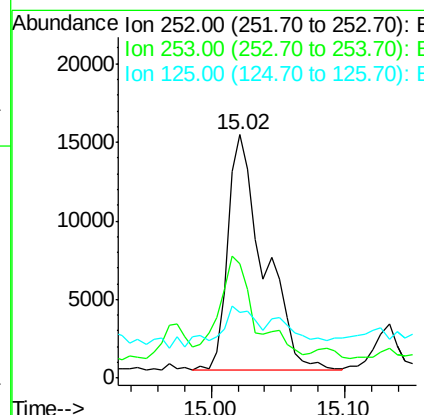
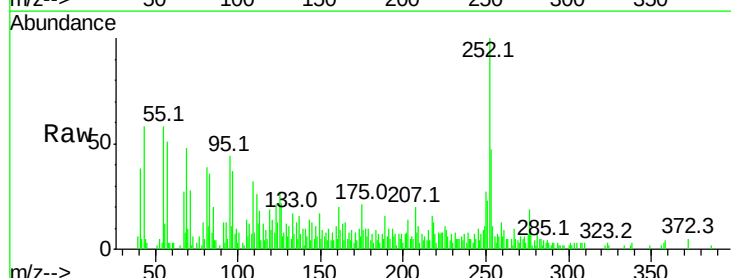
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.8	17.5	26.3

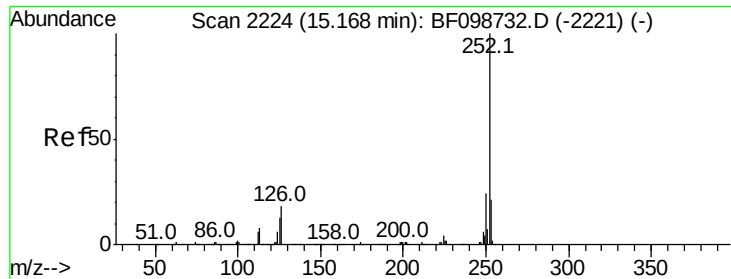


#87
Benzo(b)fluoranthene
Concen: 2.673 ng
RT: 15.02 min Scan# 2199
Delta R.T. 0.00 min
Lab File: BF099724.D
Acq: 21 Oct 2017 13:36

Tgt Ion:252 Resp: 28102

Ion	Ratio	Lower	Upper
252	100		
253	46.8	17.0	25.6#
125	26.9	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 2.706 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.03 min

Lab File: BF099724.D

Acq: 21 Oct 2017 13:36

Instrument :

BNA_F

ClientSampleId :

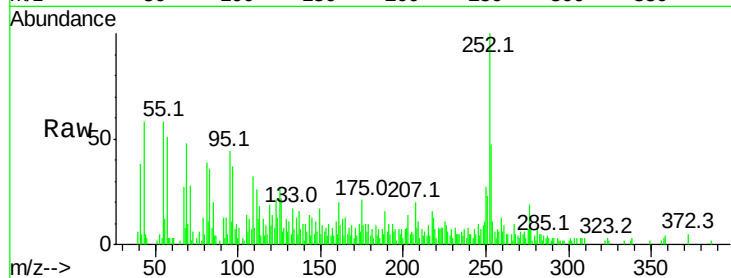
Tot Ion:252 Resp: 28102

Ion Ratio Lower Upper

252 100

253 46.8 17.9 26.9#

125 26.9 10.2 15.2#



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

