

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
 Data File : BF099789.D
 Acq On : 24 Oct 2017 15:44
 Operator : SJ/JU
 Sample : I6025-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 24 18:10:38 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 23:39:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	99209	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	404698	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	188879	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	318554	20.00	ng	0.00
75) Chrysene-d12	13.98	240	187844	20.00	ng	0.00
86) Perylene-d12	15.45	264	184949	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	559545	88.55	ng	0.00
7) Phenol-d6	6.45	99	677476	90.42	ng	0.00
23) Nitrobenzene-d5	7.37	82	389454	61.96	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	150214	87.27	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	736151	60.13	ng	0.00
78) Terphenyl-d14	12.92	244	505047	58.76	ng	0.00

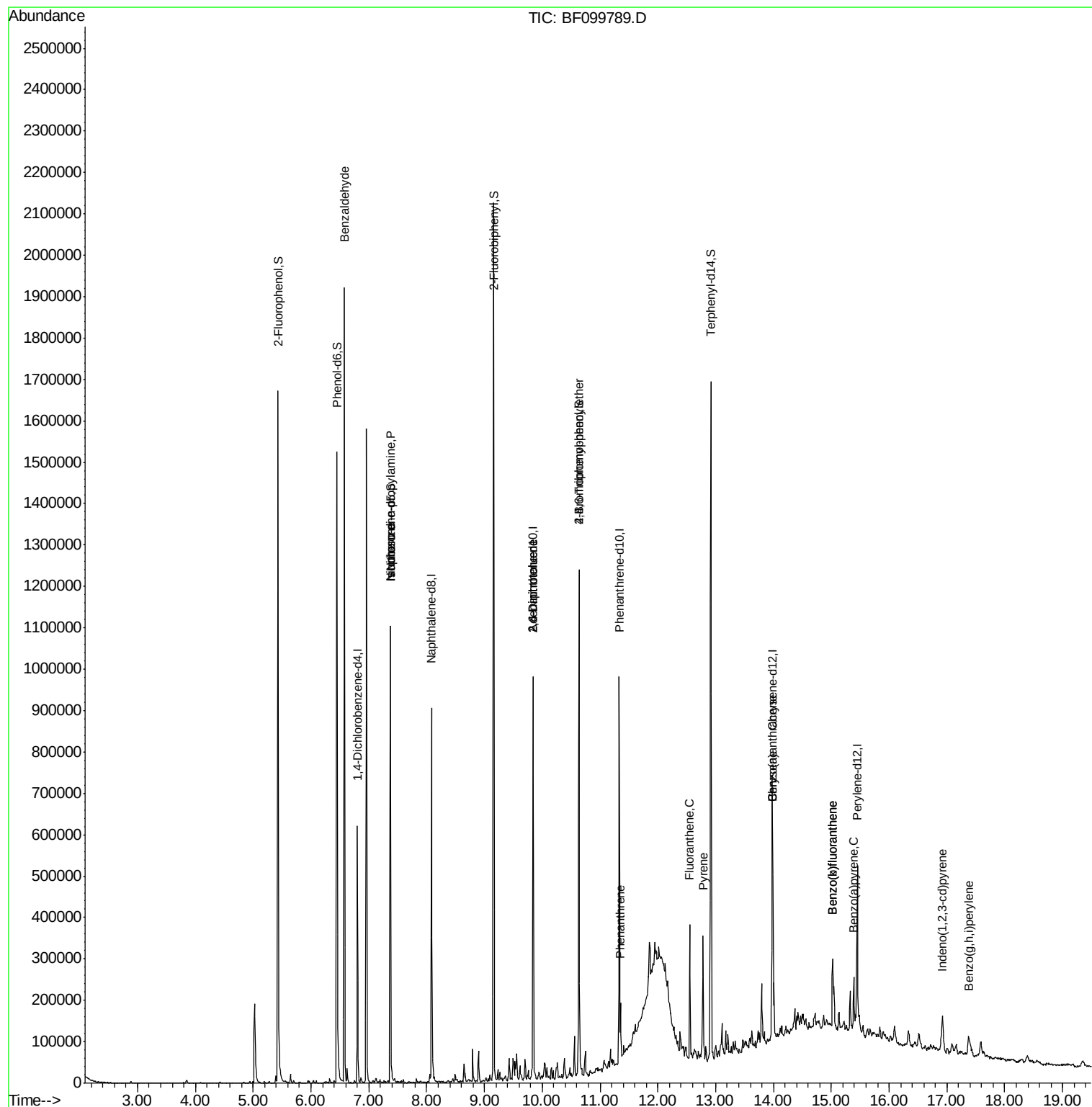
Target Compounds				Qvalue		
9) Benzaldehyde	6.57	77	10763	2.404	ng	84
19) n-Nitroso-di-n-propylamine	7.37	70	49529	11.280	ng	# 70
25) Isophorone	7.37	82	389449	34.143	ng	# 64
50) 2,6-Dinitrotoluene	9.84	165	24823	7.894	ng	# 26
56) 2,4-Dinitrotoluene	9.84	165	24823	6.555	ng	# 23
66) 4-Bromophenyl-phenylether	10.63	248	10209	3.044	ng	# 1
70) Phenanthrene	11.36	178	50776	2.824	ng	96
74) Fluoranthene	12.55	202	110428	5.911	ng	98
77) Pyrene	12.78	202	104040	7.284	ng	97
80) Benzo(a)anthracene	13.97	228	52978	4.449	ng	98
82) Chrysene	13.97	228	52978	4.732	ng	95
85) Indeno(1,2,3-cd)pyrene	16.93	276	39325	3.826	ng	95
87) Benzo(b)fluoranthene	15.02	252	117077	10.025	ng	# 94
88) Benzo(k)fluoranthene	15.02	252	117077	10.631	ng	# 96
89) Benzo(a)pyrene	15.39	252	57678	5.498	ng	# 93
91) Benzo(g,h,i)perylene	17.37	276	36145	3.963	ng	# 88

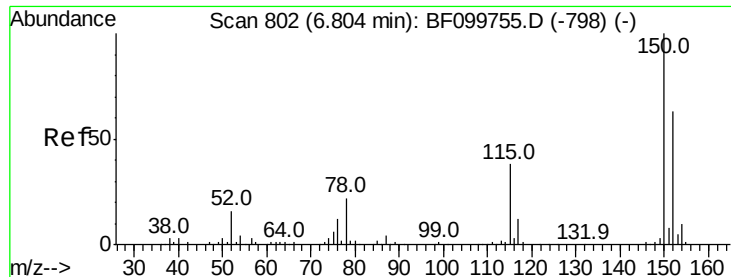
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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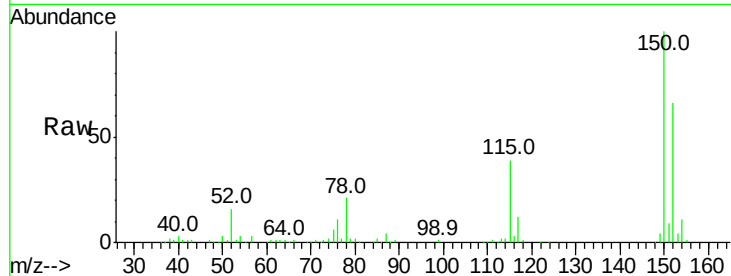


#1

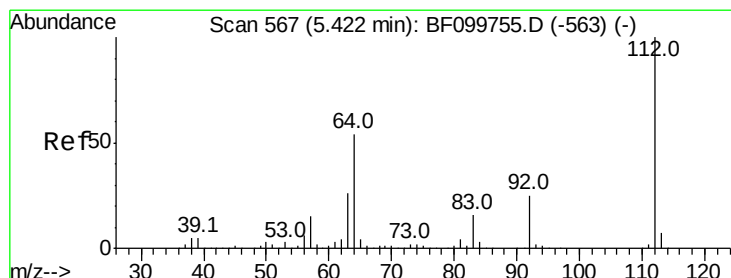
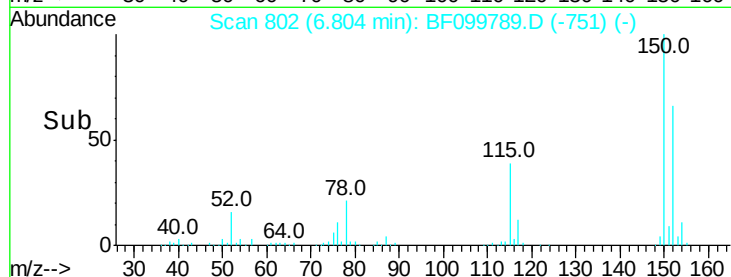
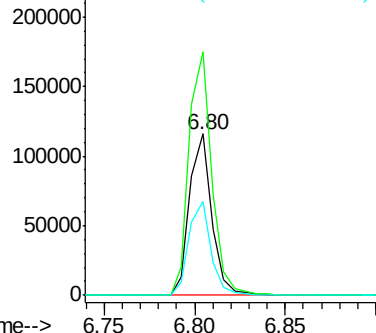
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF099789.D
Acq: 24 Oct 2017 15:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 99209
Ion Ratio Lower Upper
152 100
150 150.7 124.6 186.8
115 58.1 50.1 75.1



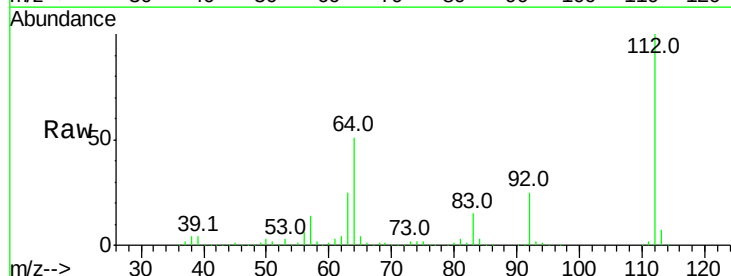
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



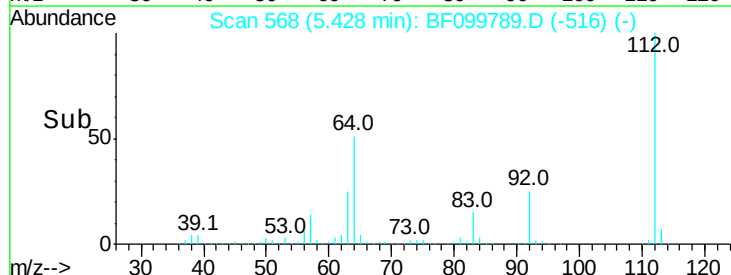
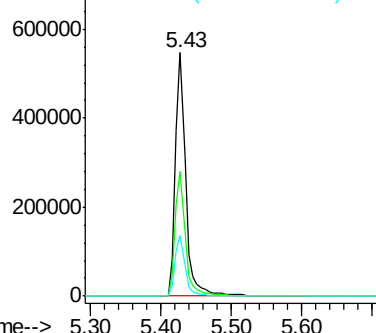
#5

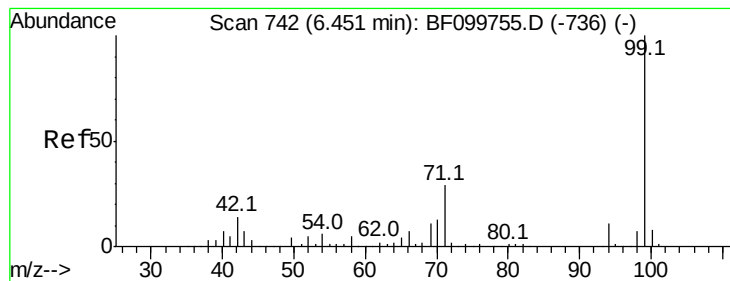
2-Fluorophenol
Concen: 88.547 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF099789.D
Acq: 24 Oct 2017 15:44

Tgt Ion:112 Resp: 559545
Ion Ratio Lower Upper
112 100
64 51.1 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: 90.417 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF099789.D

Acq: 24 Oct 2017 15:44

Instrument :

BNA_F

ClientSampled :

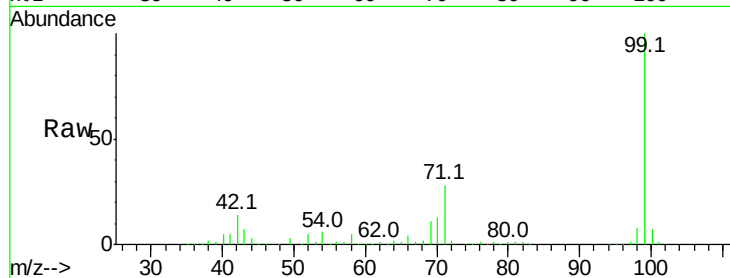
Tot Ion: 99 Resp: 677476

Ion Ratio Lower Upper

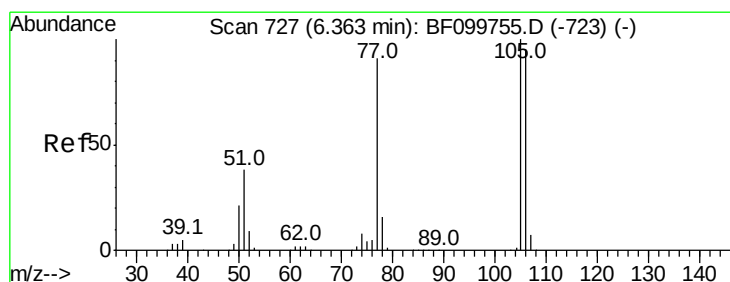
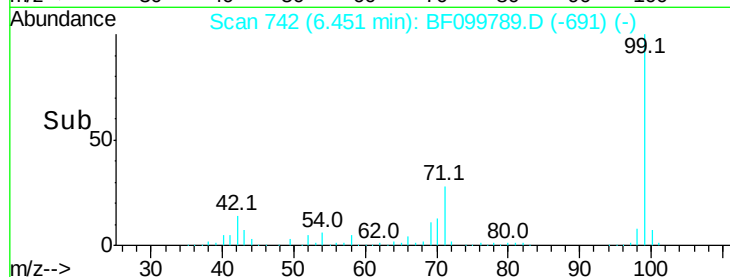
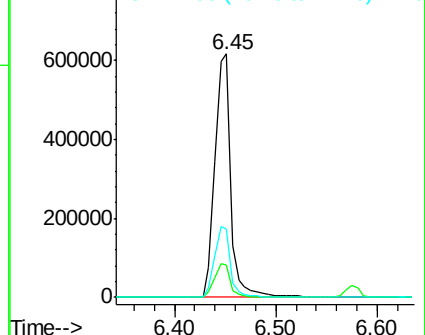
99 100

42 13.5 14.5 21.7#

71 27.9 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: 2.404 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.21 min

Lab File: BF099789.D

Acq: 24 Oct 2017 15:44

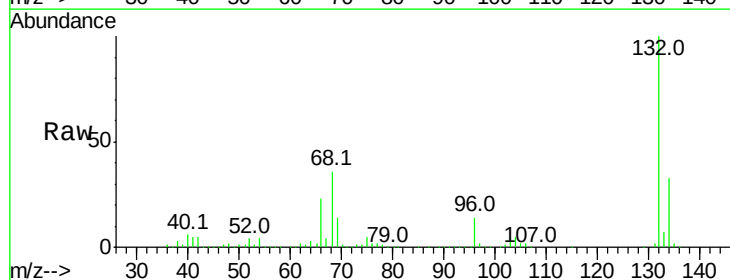
Tgt Ion: 77 Resp: 10763

Ion Ratio Lower Upper

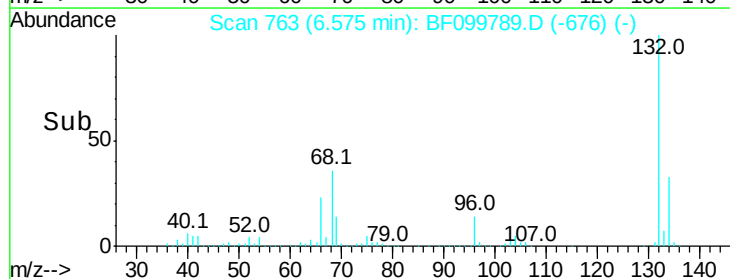
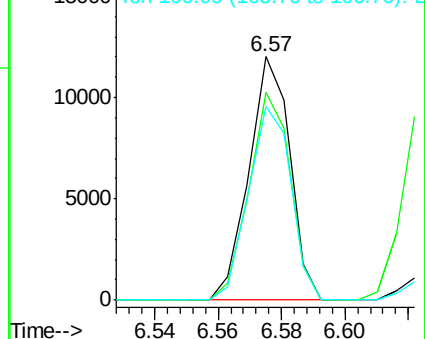
77 100

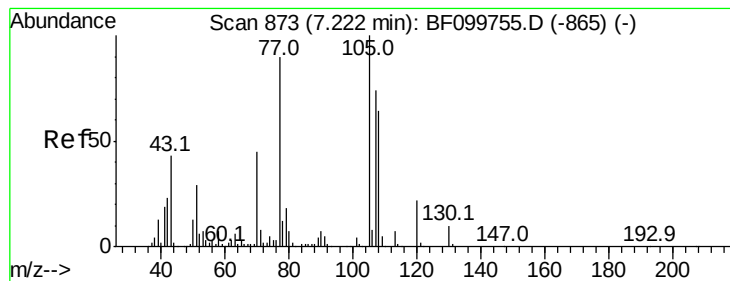
105 85.1 81.1 121.1

106 79.4 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





#19

n-Nitroso-di-n-propylamine

Concen: 11.280 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF099789.D

Acq: 24 Oct 2017 15:44

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 49529

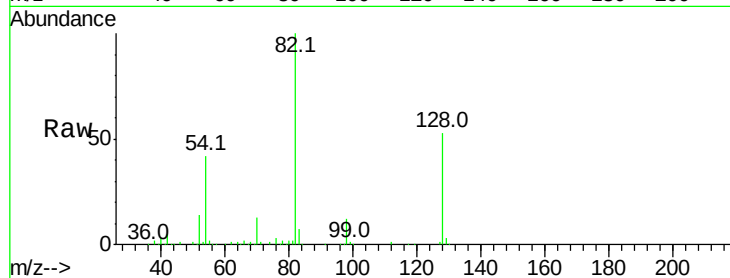
Ion Ratio Lower Upper

70 100

42 38.7 47.5 71.3#

101 0.0 7.4 11.2#

130 3.2 16.6 25.0#

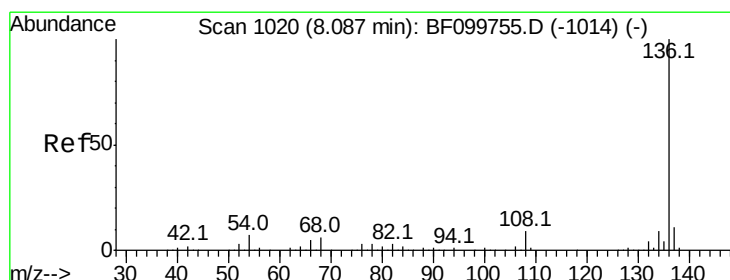
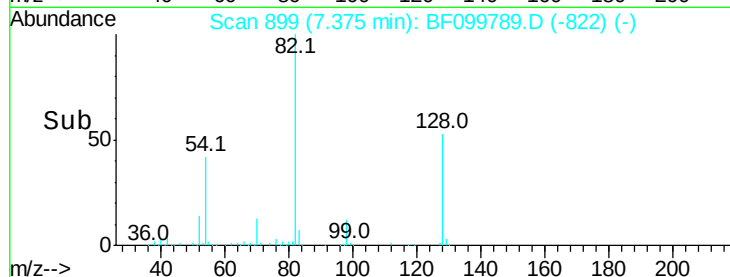
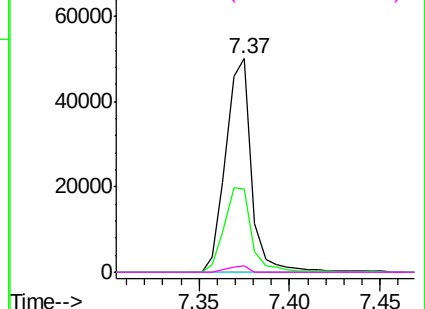


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF099789.D

Acq: 24 Oct 2017 15:44

Tgt Ion: 136 Resp: 404698

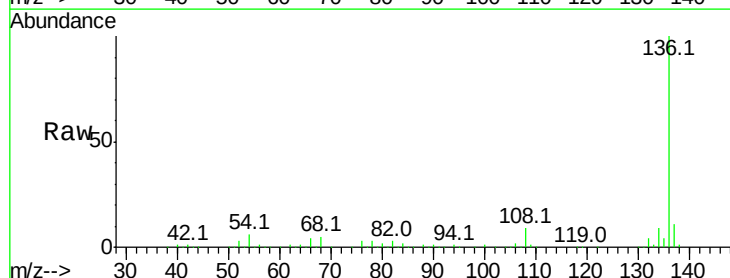
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.5 6.6 9.8#

68 5.4 5.0 7.4

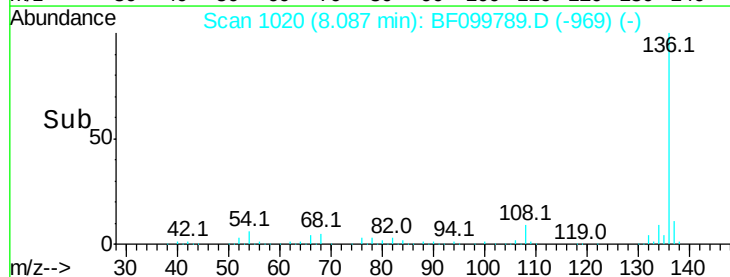
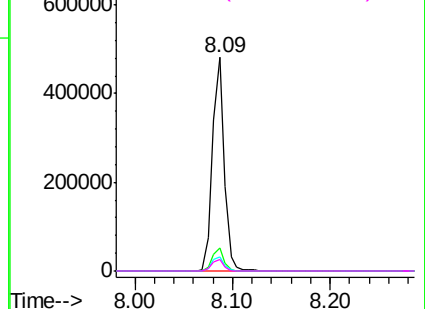


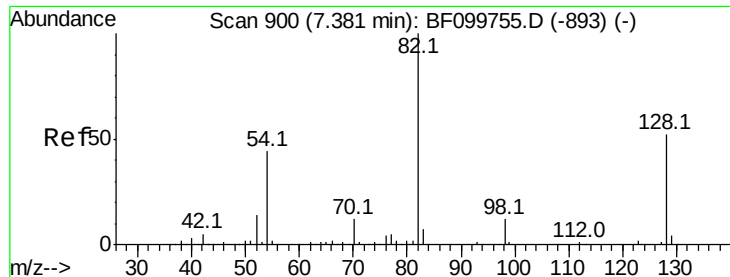
Abundance Ion 136.00 (135.70 to 136.70): E

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

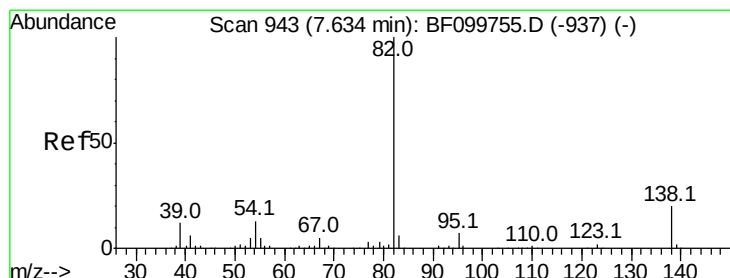
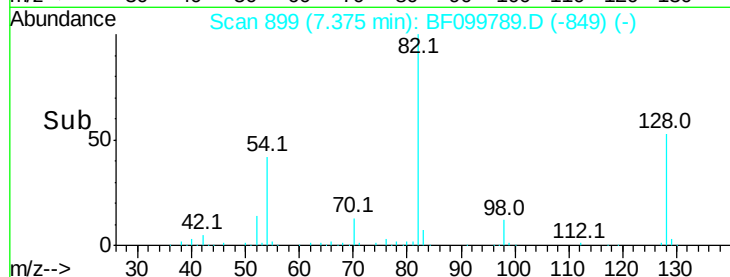
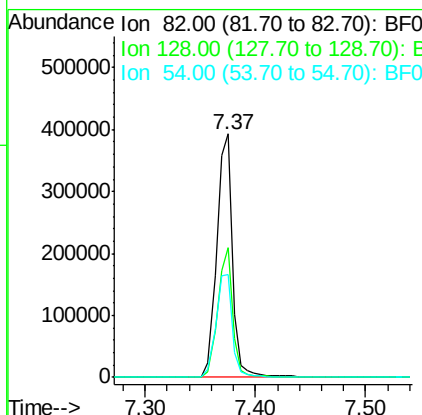
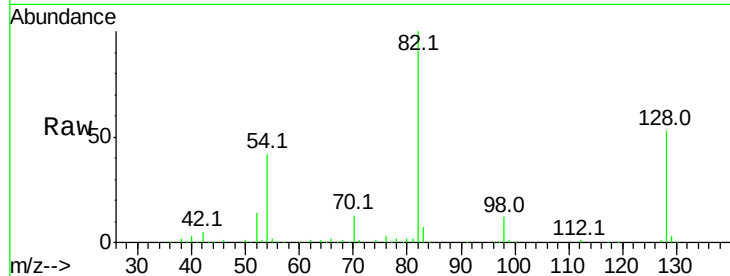




#23
 Nitrobenzene-d5
 Concen: 61.955 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BF099789.D
 Acq: 24 Oct 2017 15:44

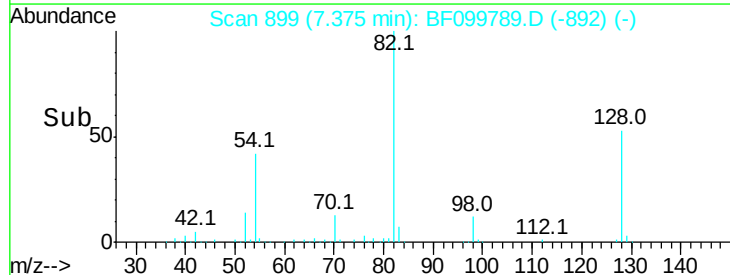
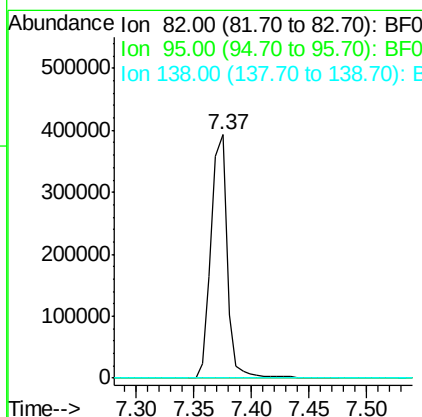
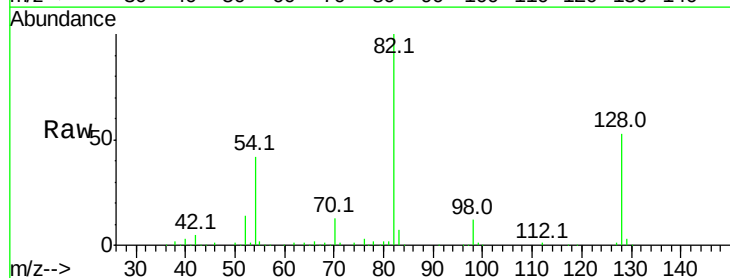
Instrument :
 BNA_F
 ClientSampled :

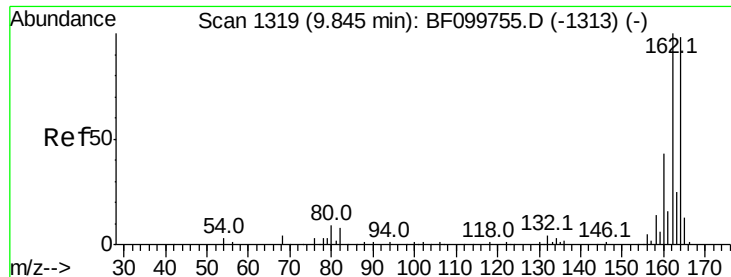
Tot Ion	Ratio	Lower	Upper
82	100		
128	53.2	36.1	54.1
54	42.4	41.4	62.2



#25
 Isophorone
 Concen: 34.143 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.26 min
 Lab File: BF099789.D
 Acq: 24 Oct 2017 15:44

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

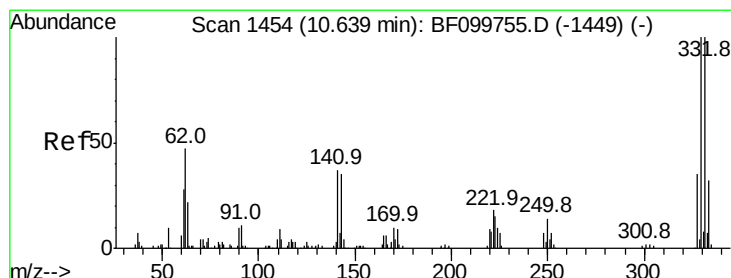
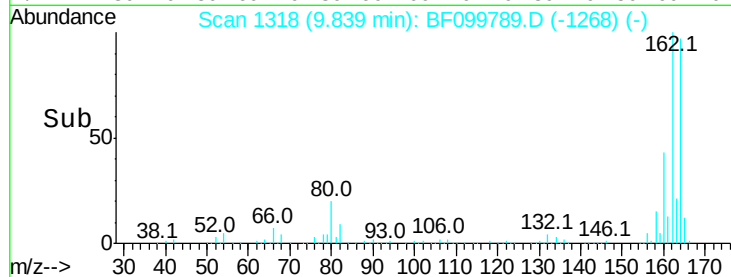
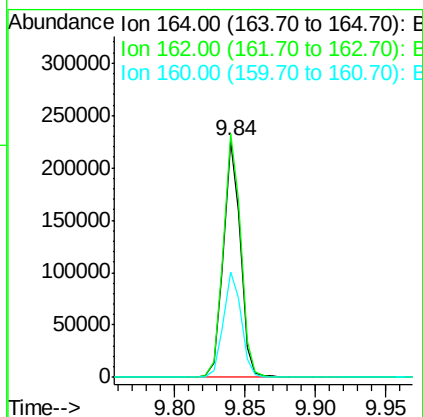
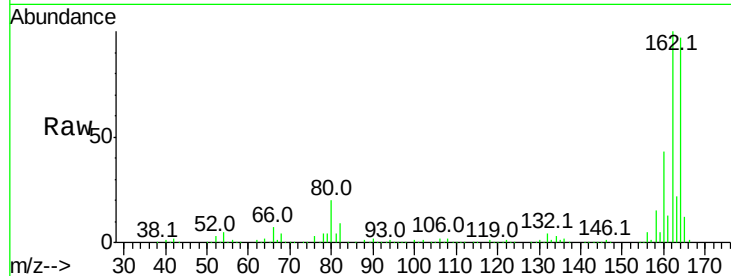




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF099789.D
Acq: 24 Oct 2017 15:44

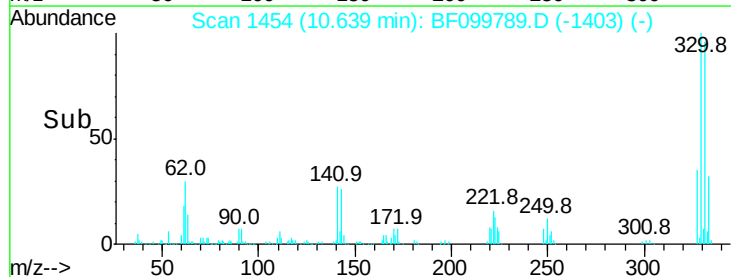
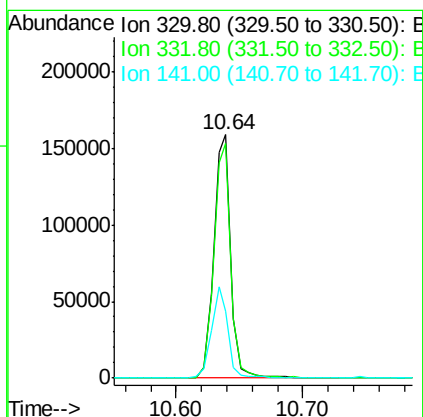
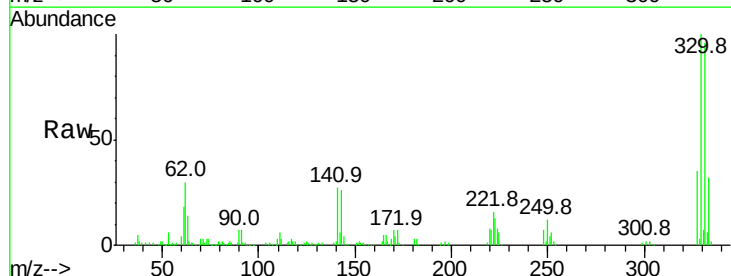
Instrument :
BNA_F
ClientSampleId :

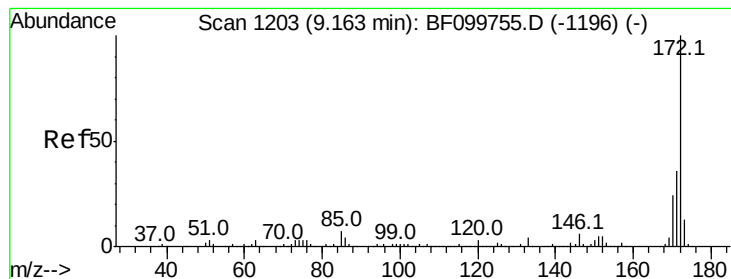
Tot Ion:164 Resp: 188879
Ion Ratio Lower Upper
164 100
162 103.2 86.1 129.1
160 44.8 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 87.268 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.00 min
Lab File: BF099789.D
Acq: 24 Oct 2017 15:44

Tgt Ion:330 Resp: 150214
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.6
141 38.0 29.9 44.9





#44

2-Fluorobiphenyl

Concen: 60.132 ng

RT: 9.16 min Scan# 1203

Delta R.T. 0.00 min

Lab File: BF099789.D

Acq: 24 Oct 2017 15:44

Instrument :

BNA_F

ClientSampleId :

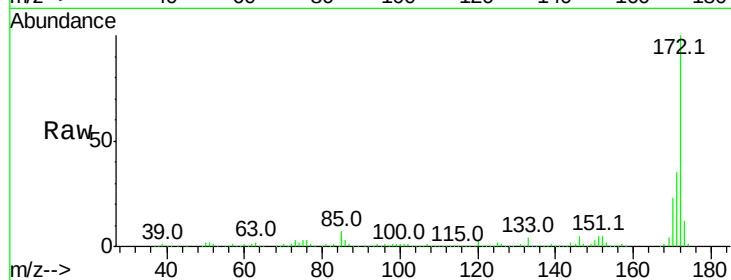
Tot Ion:172 Resp: 736151

Ion Ratio Lower Upper

172 100

171 34.9 29.7 44.5

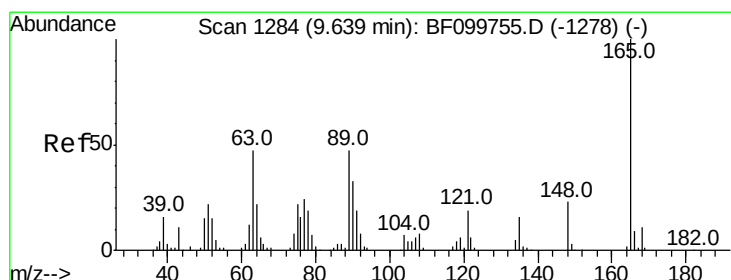
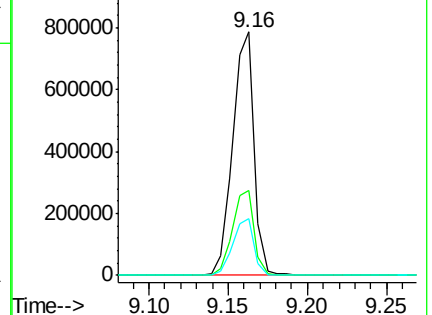
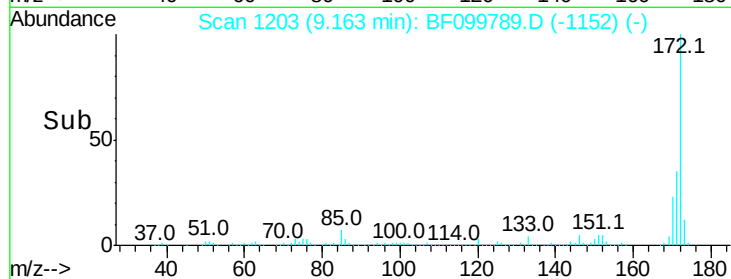
170 23.4 19.6 29.4



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



#50

2,6-Dinitrotoluene

Concen: 7.894 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.20 min

Lab File: BF099789.D

Acq: 24 Oct 2017 15:44

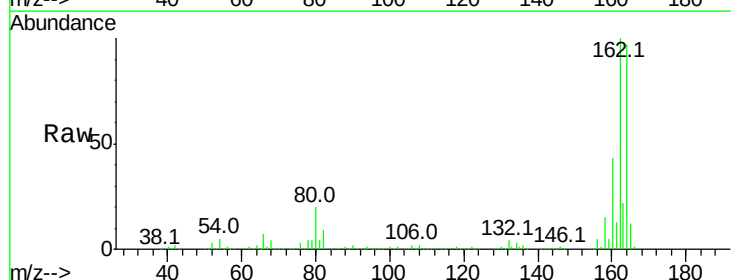
Tgt Ion:165 Resp: 24823

Ion Ratio Lower Upper

165 100

63 1.7 44.7 67.1#

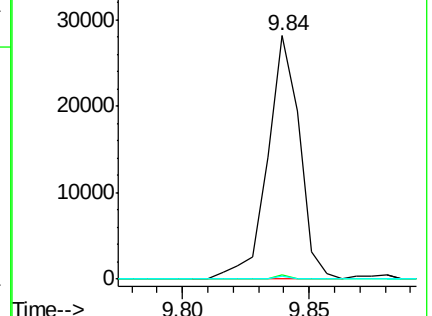
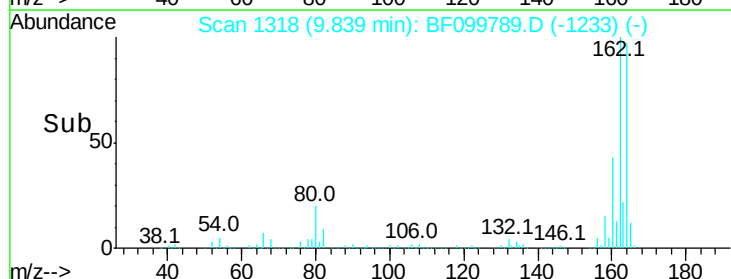
89 1.1 44.0 66.0#

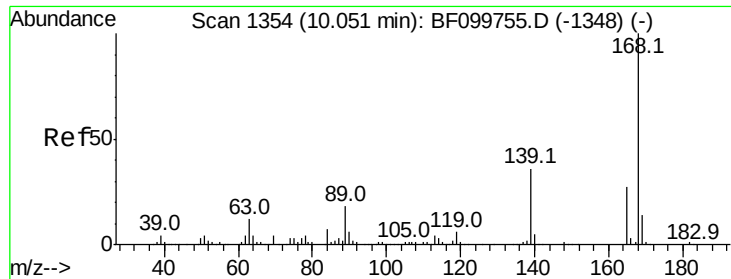


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.555 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.21 min

Lab File: BF099789.D

Acq: 24 Oct 2017 15:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 24823

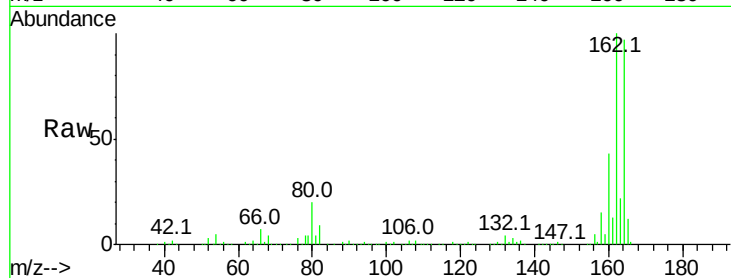
Ion Ratio Lower Upper

165 100

63 1.7 36.4 54.6#

89 1.1 57.8 86.6#

182 0.0 1.6 2.4#

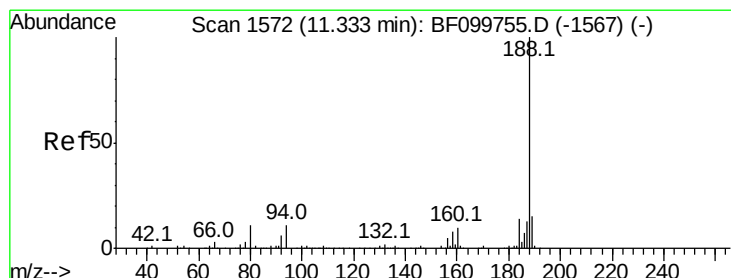
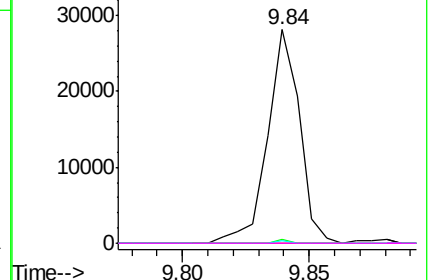
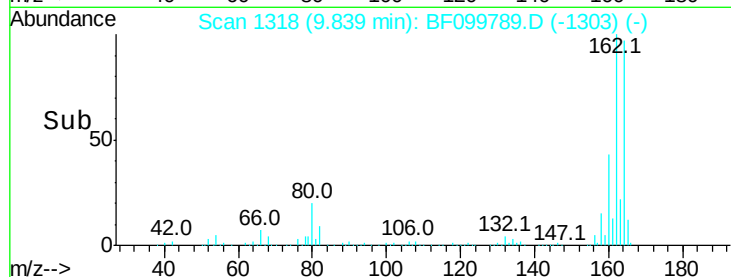


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.33 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BF099789.D

Acq: 24 Oct 2017 15:44

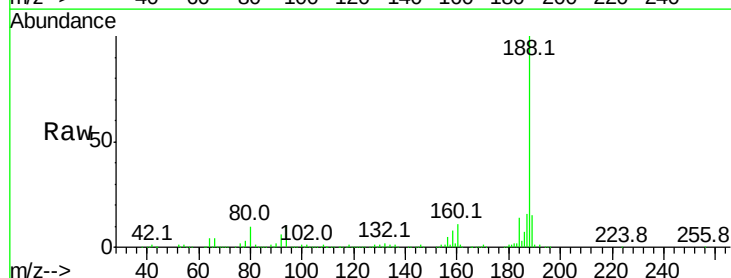
Tgt Ion:188 Resp: 318554

Ion Ratio Lower Upper

188 100

94 9.7 8.5 12.7

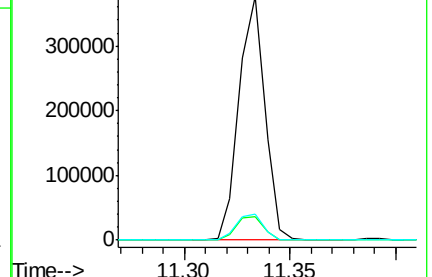
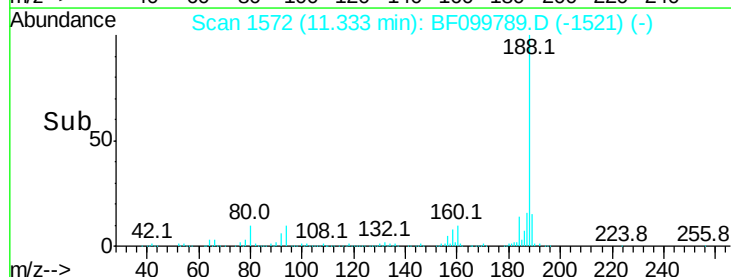
80 10.5 9.2 13.8

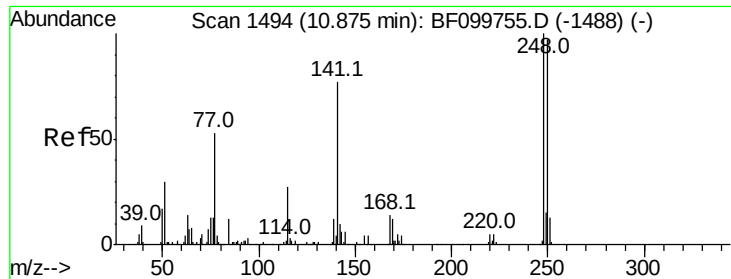


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

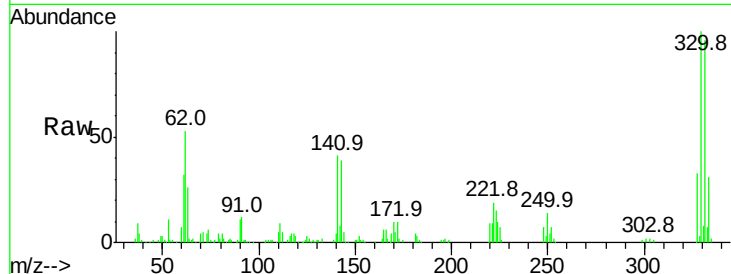




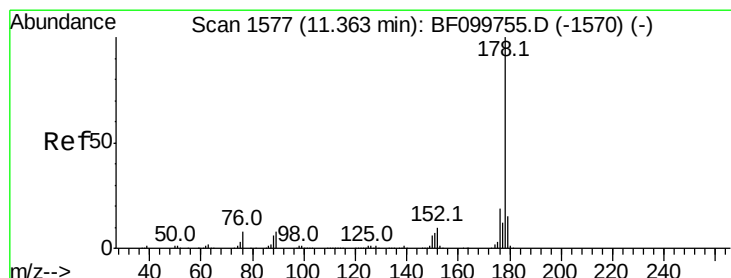
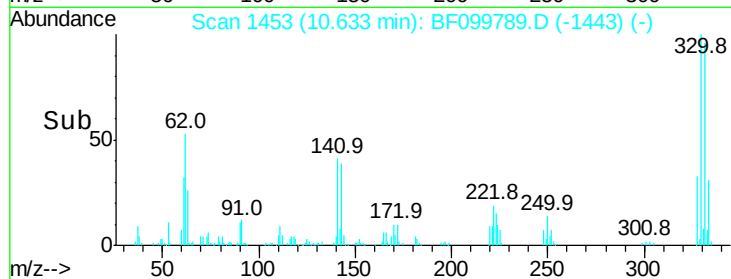
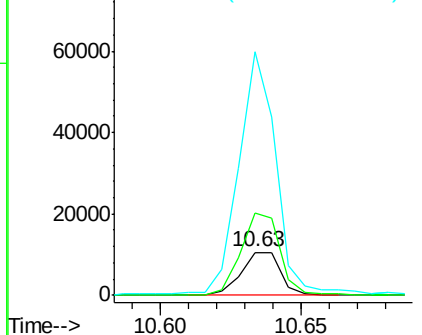
#66
 4-Bromophenyl-phenylether
 Concen: 3.044 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF099789.D
 Acq: 24 Oct 2017 15:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 10209
 Ion Ratio Lower Upper
 248 100
 250 193.8 76.9 115.3#
 141 569.2 74.4 111.6#

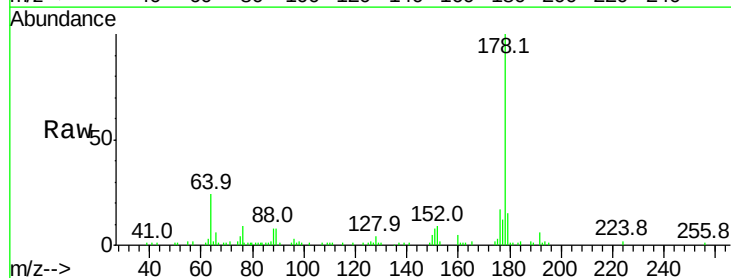


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

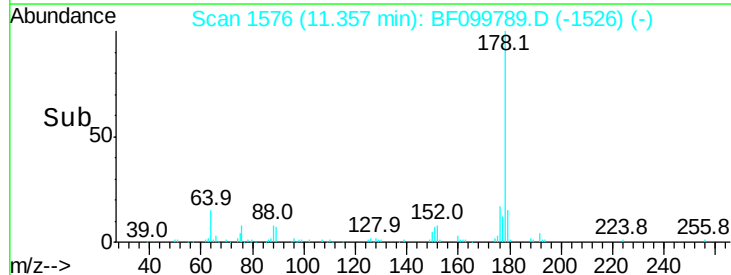
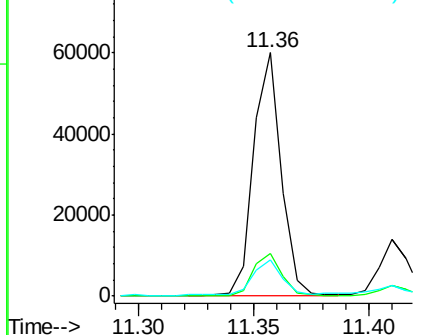


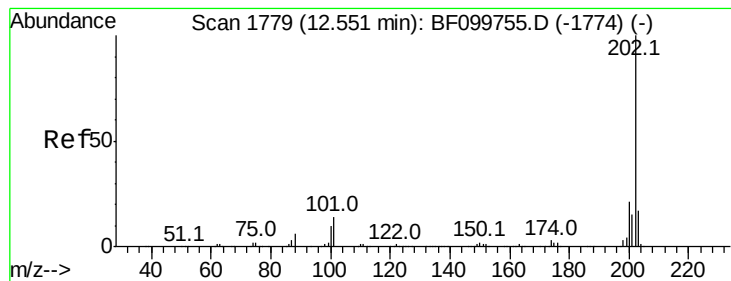
#70
 Phenanthrene
 Concen: 2.824 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF099789.D
 Acq: 24 Oct 2017 15:44

Tgt Ion:178 Resp: 50776
 Ion Ratio Lower Upper
 178 100
 176 17.4 15.8 23.8
 179 14.9 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 5.911 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BF099789.D

Acq: 24 Oct 2017 15:44

Instrument :

BNA_F

ClientSampleId :

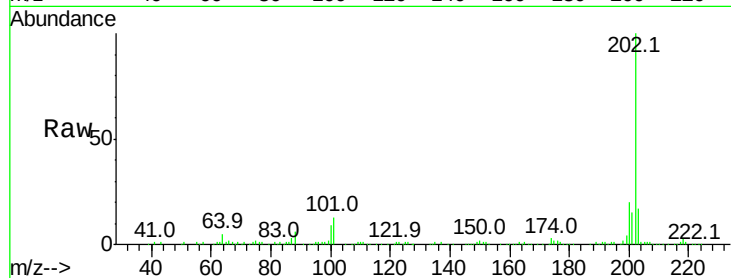
Tot Ion:202 Resp: 110428

Ion Ratio Lower Upper

202 100

101 13.0 0.0 34.1

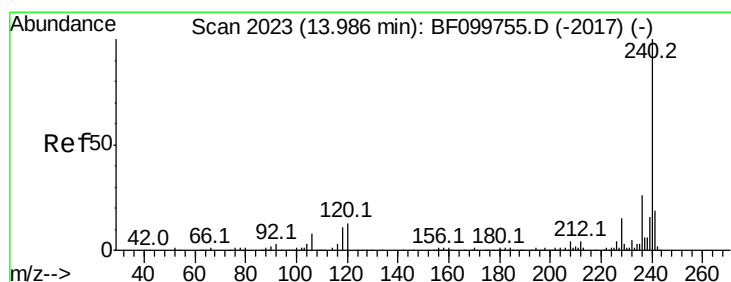
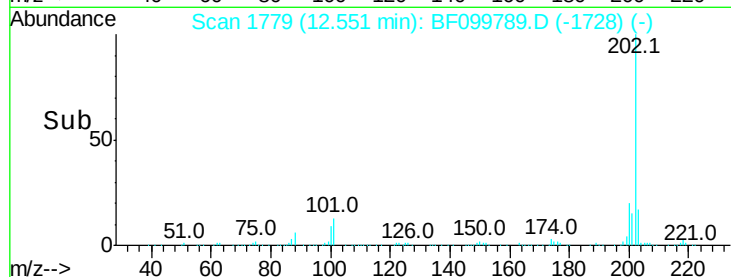
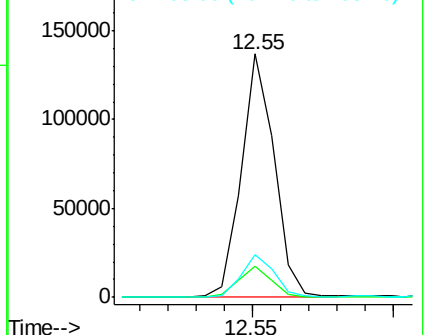
203 17.5 0.0 38.1



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: BF099789.D

Acq: 24 Oct 2017 15:44

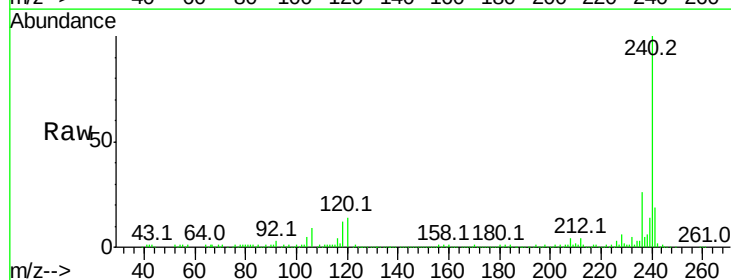
Tgt Ion:240 Resp: 187844

Ion Ratio Lower Upper

240 100

120 13.8 9.5 14.3

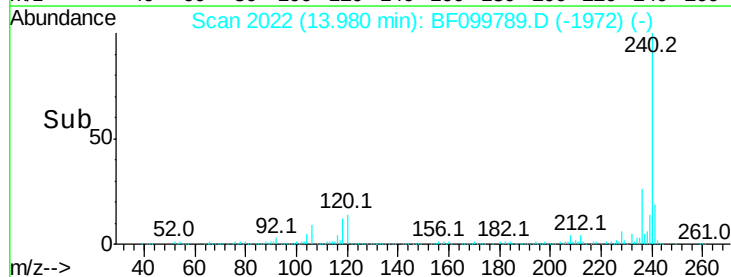
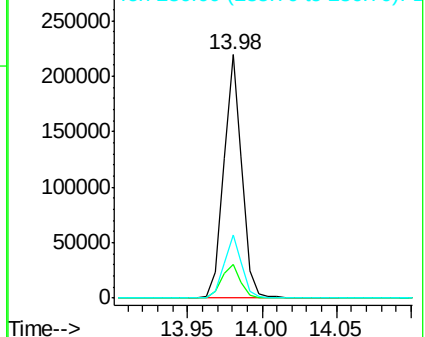
236 26.0 20.7 31.1

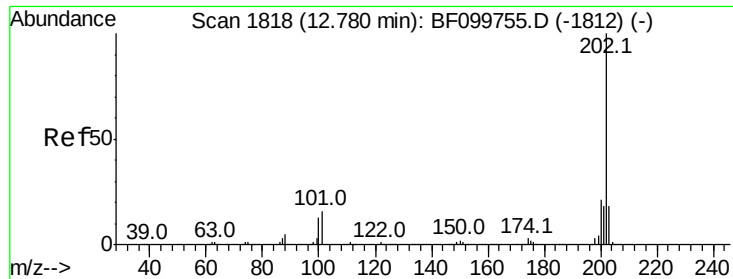


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.284 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF099789.D

Acq: 24 Oct 2017 15:44

Instrument :

BNA_F

ClientSampleId :

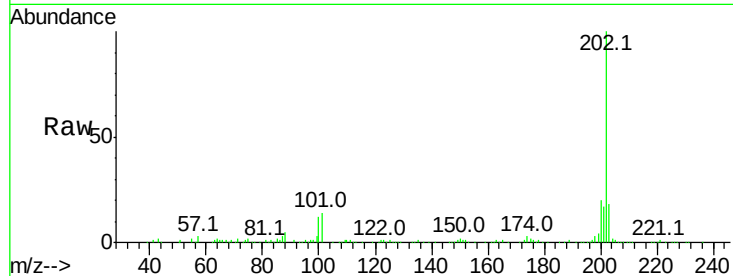
Tot Ion:202 Resp: 104040

Ion Ratio Lower Upper

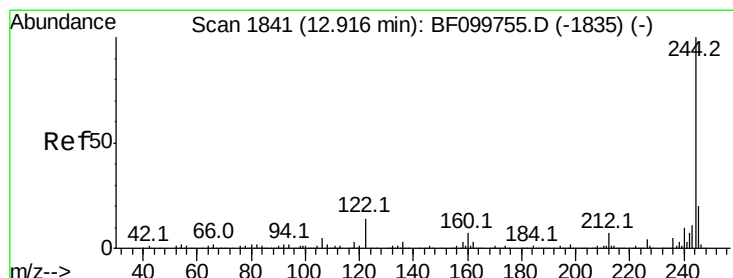
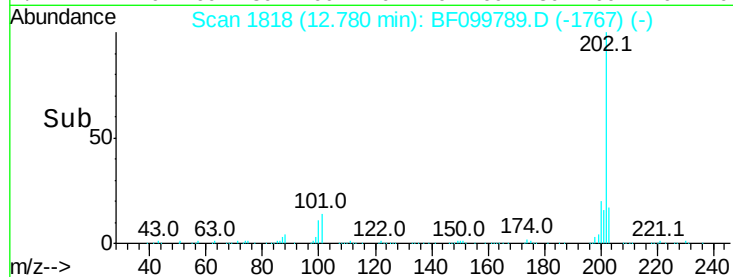
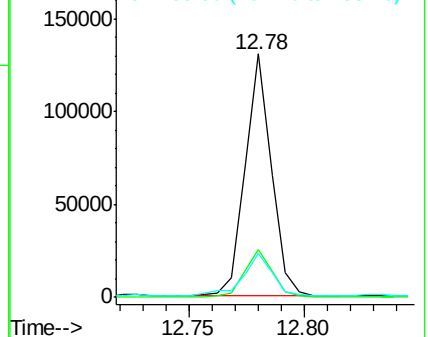
202 100

200 19.5 17.4 26.2

203 18.1 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: 58.757 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.00 min

Lab File: BF099789.D

Acq: 24 Oct 2017 15:44

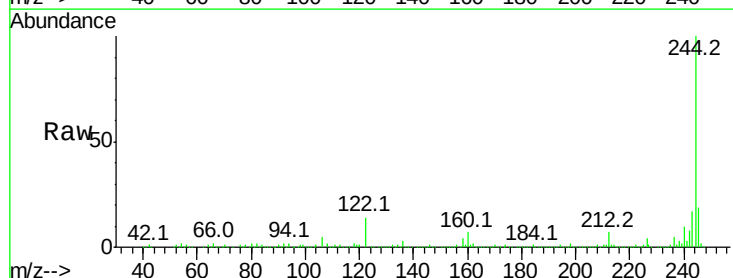
Tgt Ion:244 Resp: 505047

Ion Ratio Lower Upper

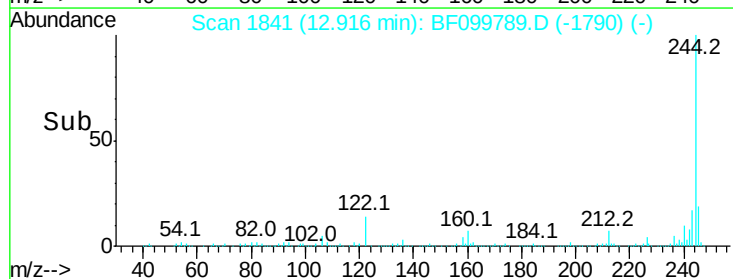
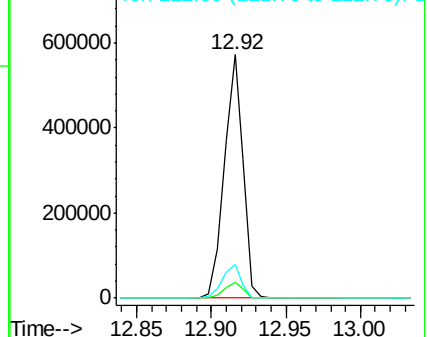
244 100

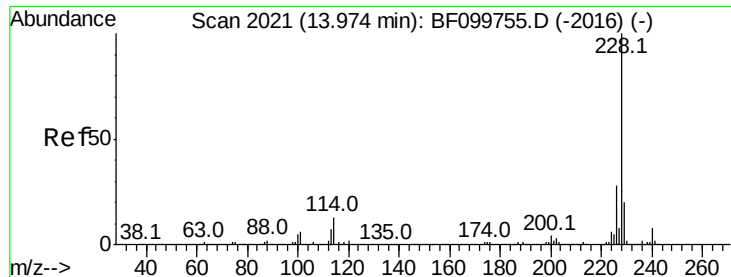
212 6.6 5.4 8.0

122 13.7 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





#80

Benzo(a)anthracene

Concen: 4.449 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF099789.D

Acq: 24 Oct 2017 15:44

Instrument :

BNA_F

ClientSampleId :

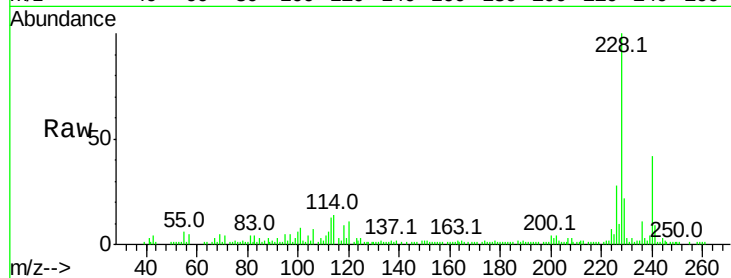
Tot Ion:228 Resp: 52978

Ion Ratio Lower Upper

228 100

226 28.0 22.6 33.8

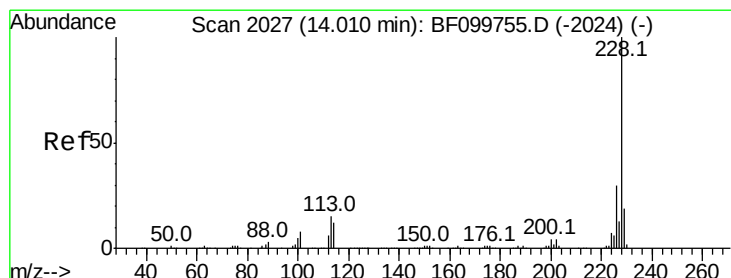
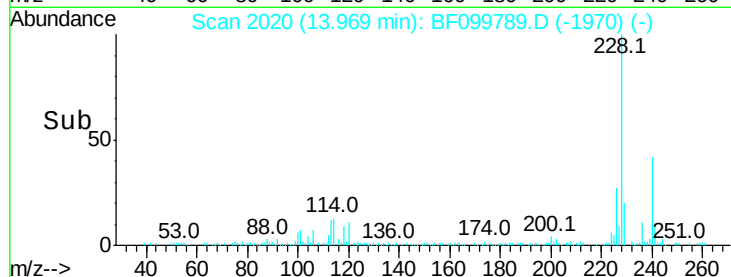
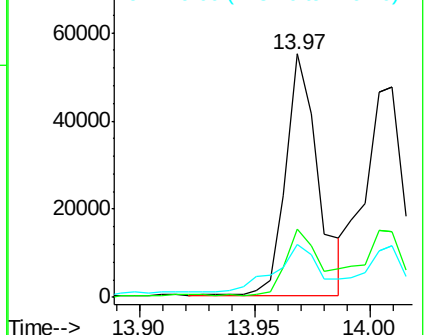
229 21.7 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 4.732 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.04 min

Lab File: BF099789.D

Acq: 24 Oct 2017 15:44

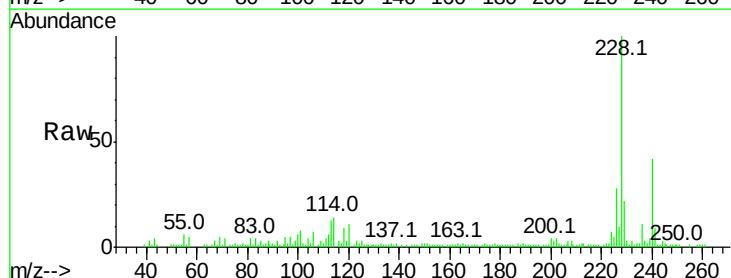
Tgt Ion:228 Resp: 52978

Ion Ratio Lower Upper

228 100

226 28.0 25.0 37.6

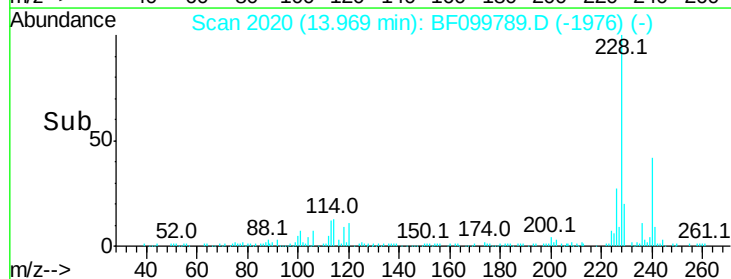
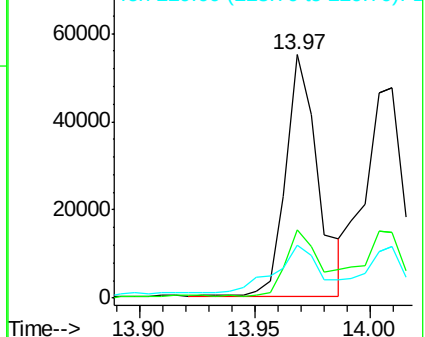
229 21.7 16.2 24.4

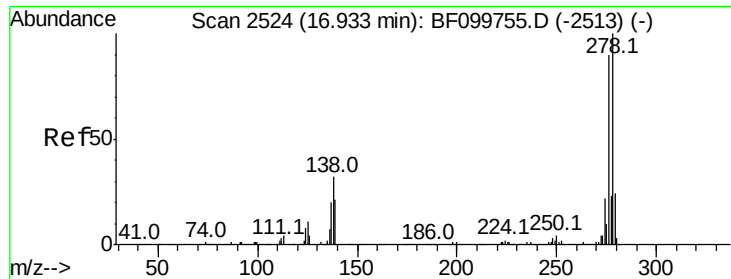


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

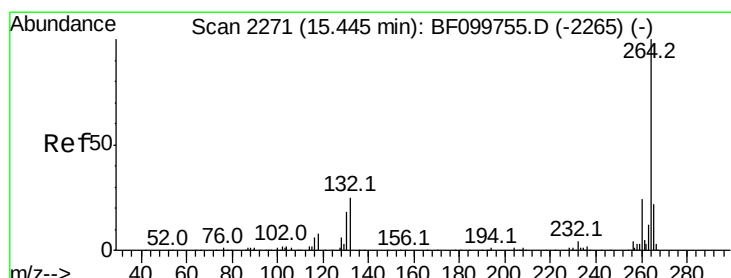
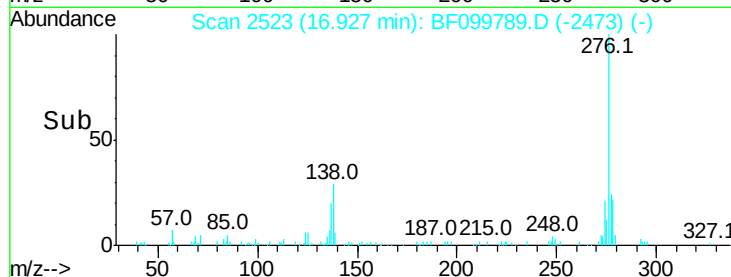
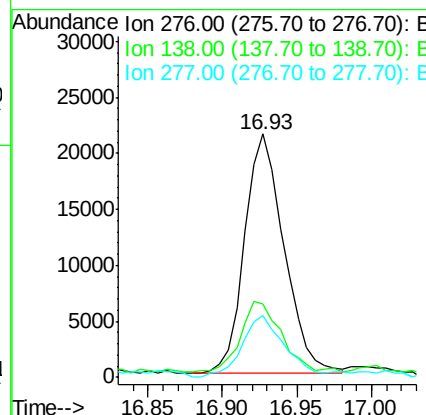
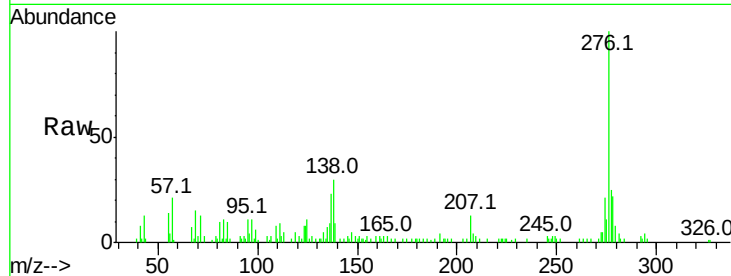




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.826 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.01 min
Lab File: BF099789.D
Acq: 24 Oct 2017 15:44

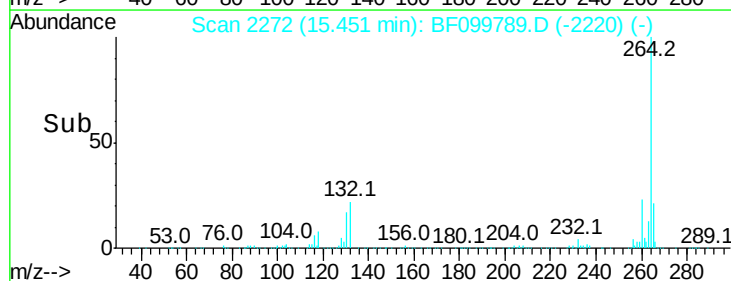
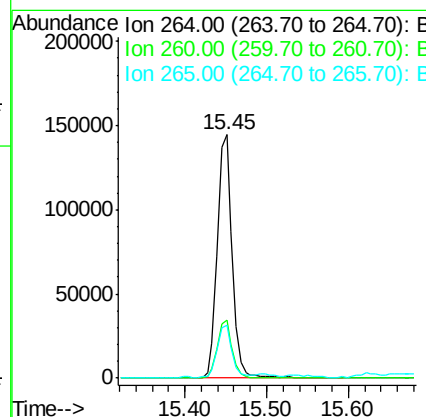
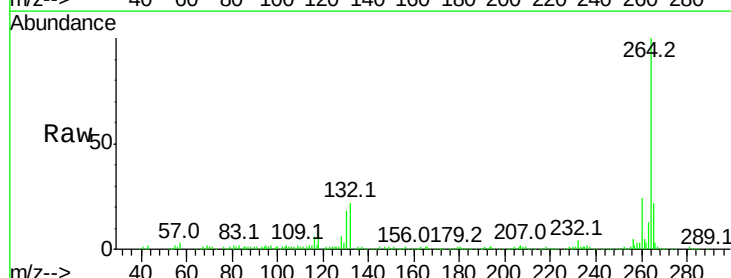
Instrument :
BNA_F
ClientSampleId :

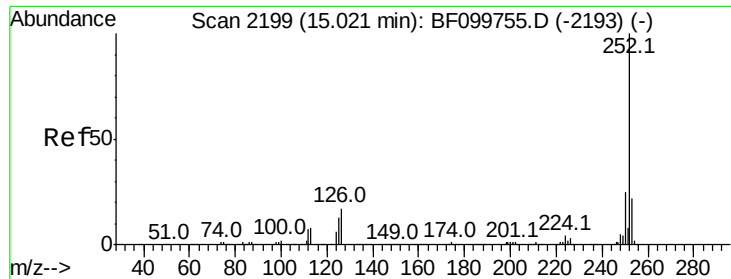
Tot Ion	Ratio	Lower	Upper
276	100		
138	29.9	25.0	37.6
277	29.1	20.1	30.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF099789.D
Acq: 24 Oct 2017 15:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.6	17.5	26.3

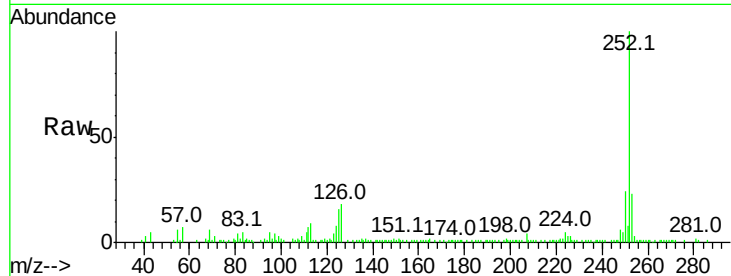




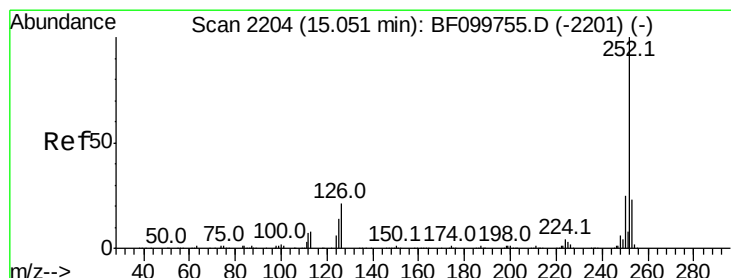
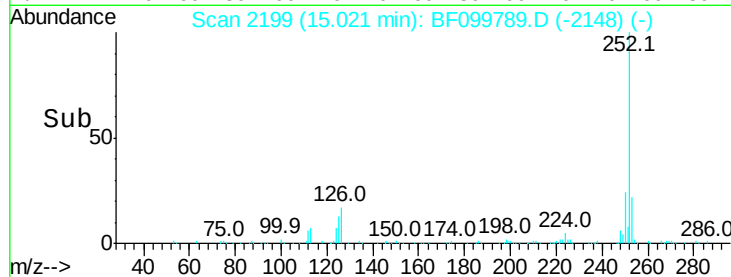
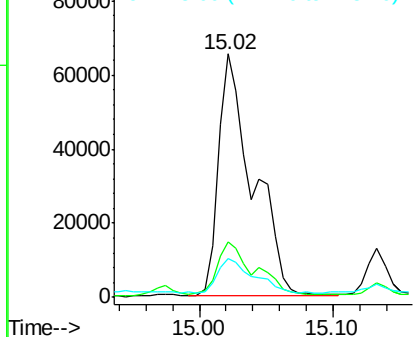
#87
Benzo(b)fluoranthene
Concen: 10.025 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.00 min
Lab File: BF099789.D
Acq: 24 Oct 2017 15:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 117077
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.6
125 15.9 9.0 13.6#

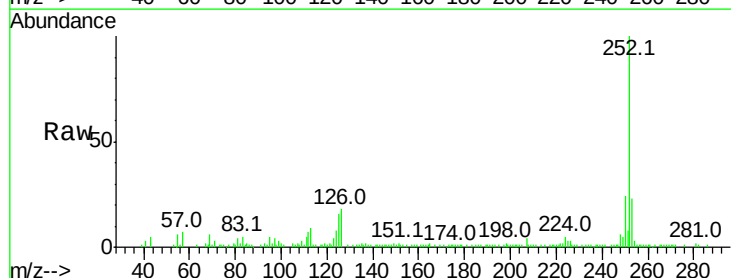


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

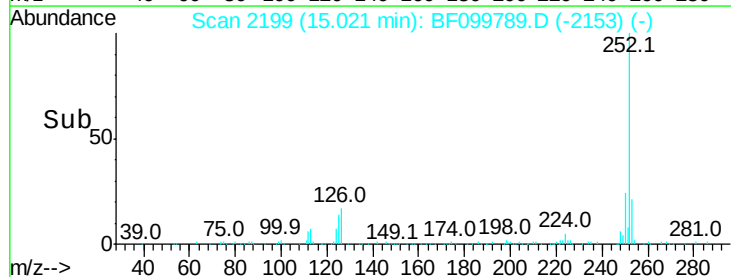
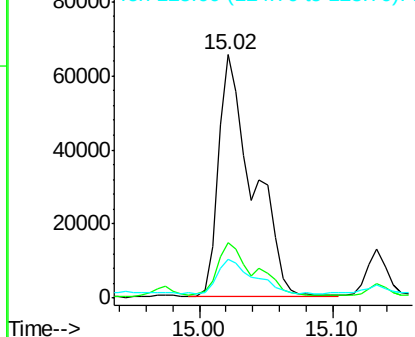


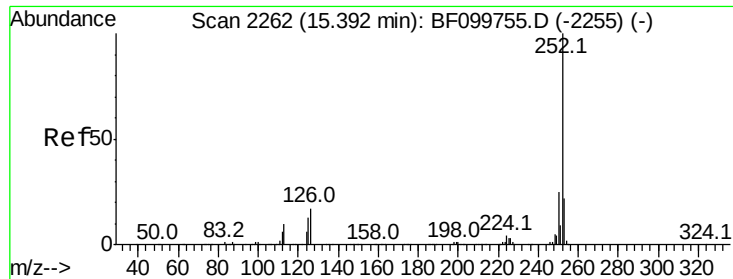
#88
Benzo(k)fluoranthene
Concen: 10.631 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.03 min
Lab File: BF099789.D
Acq: 24 Oct 2017 15:44

Tgt Ion:252 Resp: 117077
Ion Ratio Lower Upper
252 100
253 22.9 17.9 26.9
125 15.9 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

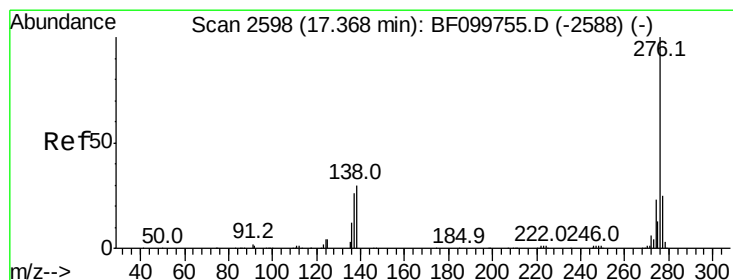
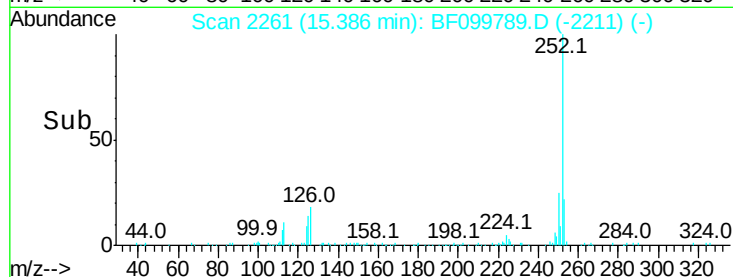
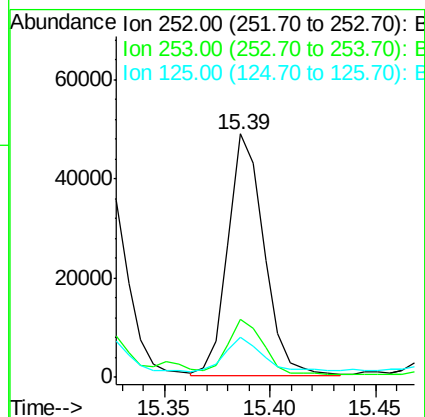
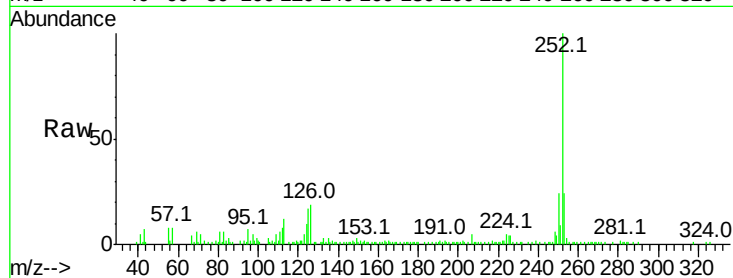




#89
Benzo(a)pyrene
Concen: 5.498 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF099789.D
Acq: 24 Oct 2017 15:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 57678
Ion Ratio Lower Upper
252 100
253 23.7 17.1 25.7
125 16.5 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 3.963 ng
RT: 17.37 min Scan# 2599
Delta R.T. 0.01 min
Lab File: BF099789.D
Acq: 24 Oct 2017 15:44

Tgt Ion:276 Resp: 36145
Ion Ratio Lower Upper
276 100
277 30.7 17.9 26.9#
138 31.0 21.8 32.8

