

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110417\
 Data File : BF100173.D
 Acq On : 4 Nov 2017 12:55
 Operator : SJ/JU
 Sample : I6189-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 05 23:45:47 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 15:46:10 2017
 Response via : Initial Calibration

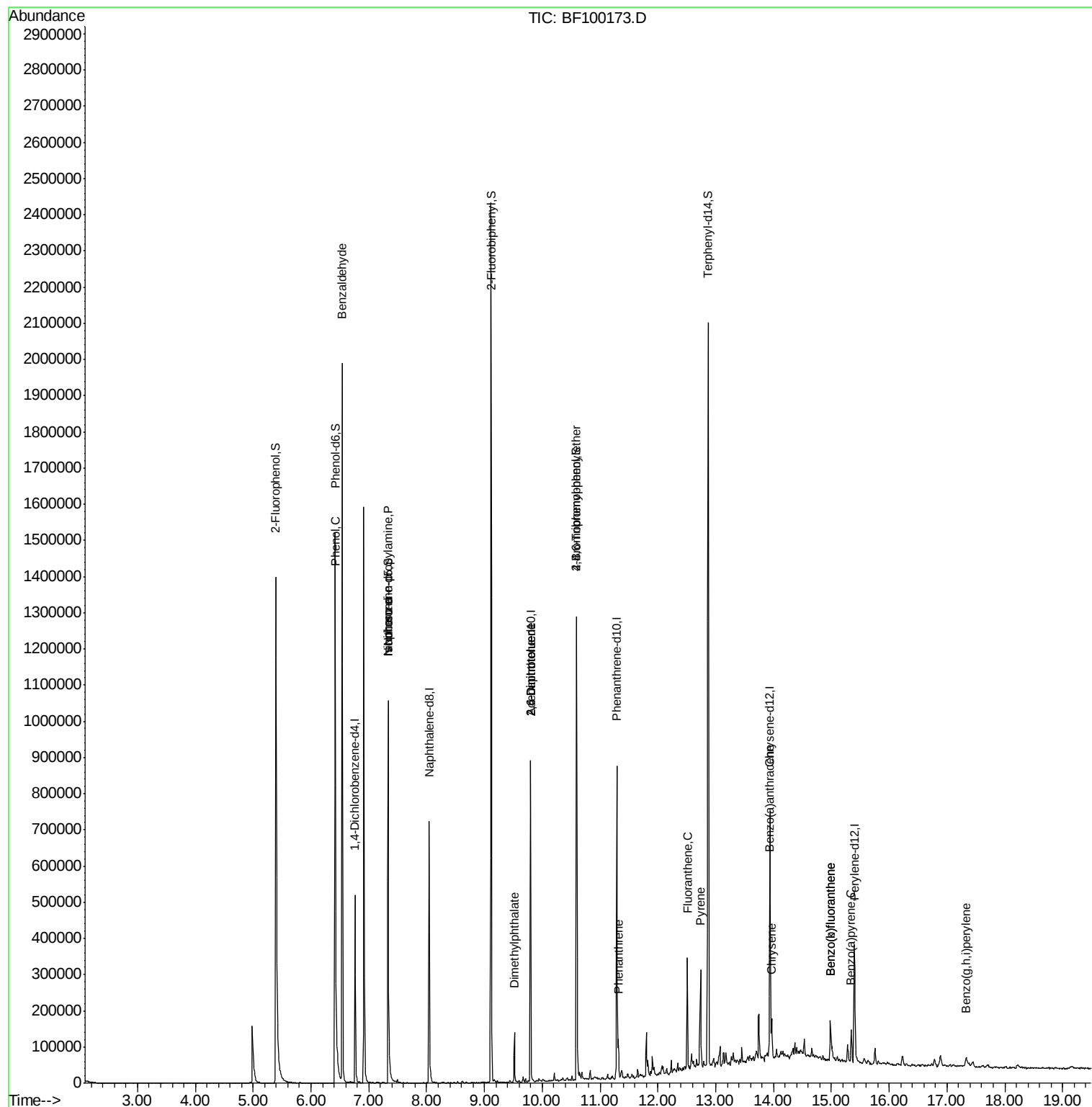
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	90053	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	375841	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	178744	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	329464	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	204149	20.00	ng	-0.01
86) Perylene-d12	15.40	264	154721	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	609323	106.23	ng	0.00
7) Phenol-d6	6.42	99	737072	108.37	ng	-0.01
23) Nitrobenzene-d5	7.33	82	408122	69.91	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	176729	108.49	ng	-0.01
44) 2-Fluorobiphenyl	9.12	172	828811	71.54	ng	-0.01
78) Terphenyl-d14	12.87	244	724200	77.52	ng	-0.01
Target Compounds				Qvalue		
9) Benzaldehyde	6.54	77	10426	2.565	ng	88
10) Phenol	6.43	94	34510	4.621	ng	# 77
19) n-Nitroso-di-n-propylamine	7.33	70	51400	12.896	ng	# 70
25) Isophorone	7.33	82	408122	38.527	ng	# 64
49) Dimethylphthalate	9.52	163	59587	4.210	ng	100
50) 2,6-Dinitrotoluene	9.80	165	22594	7.593	ng	# 26
56) 2,4-Dinitrotoluene	9.80	165	22594	6.305	ng	# 23
66) 4-Bromophenyl-phenylether	10.59	248	11527	3.323	ng	# 1
70) Phenanthrene	11.32	178	47553	2.558	ng	99
74) Fluoranthene	12.51	202	122813	6.356	ng	97
77) Pyrene	12.74	202	106995	6.893	ng	98
80) Benzo(a)anthracene	13.93	228	41166	3.181	ng	95
82) Chrysene	13.97	228	43555	3.580	ng	97
87) Benzo(b)fluoranthene	14.99	252	55846	5.716	ng	# 93
88) Benzo(k)fluoranthene	14.99	252	55846	6.062	ng	# 96
89) Benzo(a)pyrene	15.34	252	28426	3.239	ng	# 91
91) Benzo(a,h,i)perylene	17.33	276	20324	2.664	ng	# 89

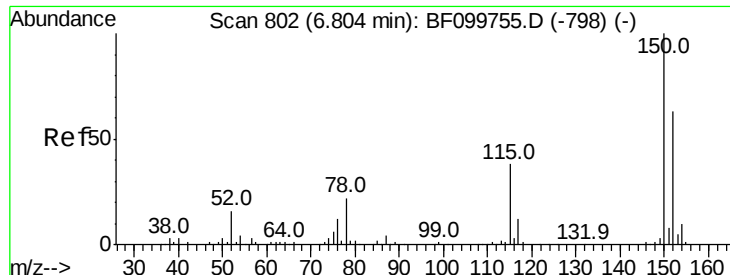
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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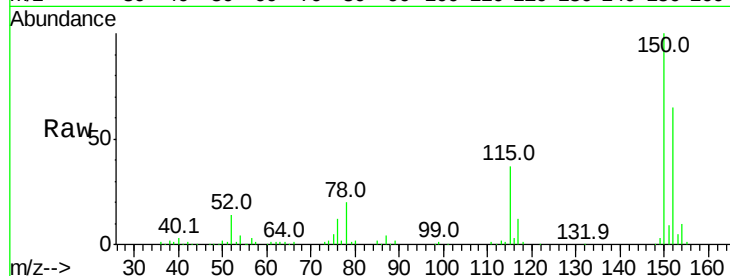


#1

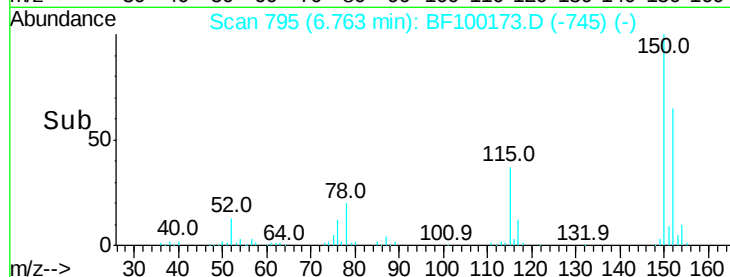
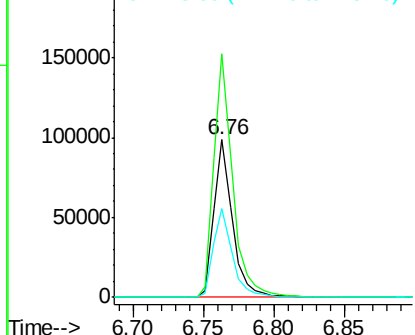
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF100173.D
Acq: 4 Nov 2017 12:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 90053
Ion Ratio Lower Upper
152 100
150 154.7 124.6 186.8
115 56.8 50.1 75.1



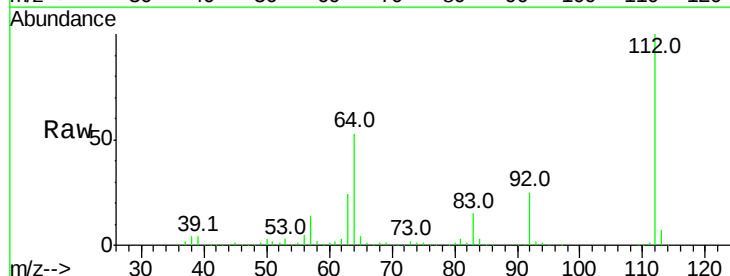
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



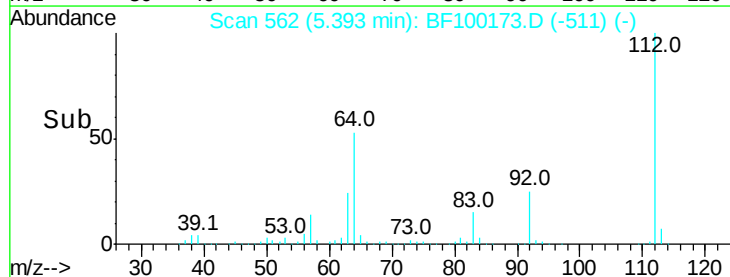
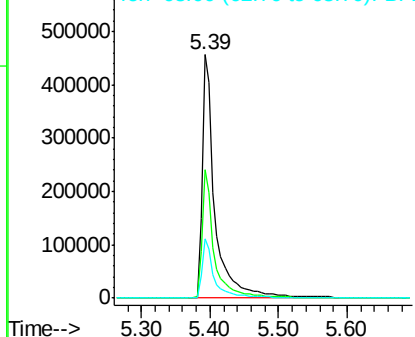
#5

2-Fluorophenol
Concen: 106.228 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.00 min
Lab File: BF100173.D
Acq: 4 Nov 2017 12:55

Tgt Ion:112 Resp: 609323
Ion Ratio Lower Upper
112 100
64 52.7 47.9 71.9
63 24.2 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 108.373 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF100173.D

Acq: 4 Nov 2017 12:55

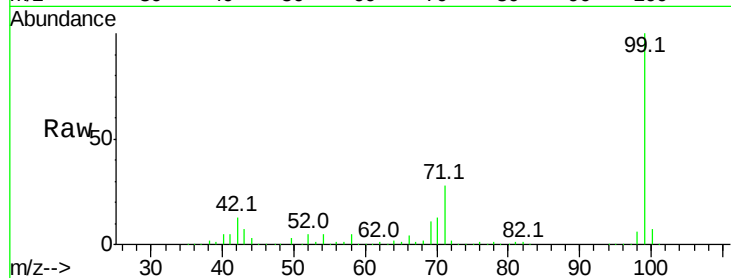
Instrument :

BNA_F

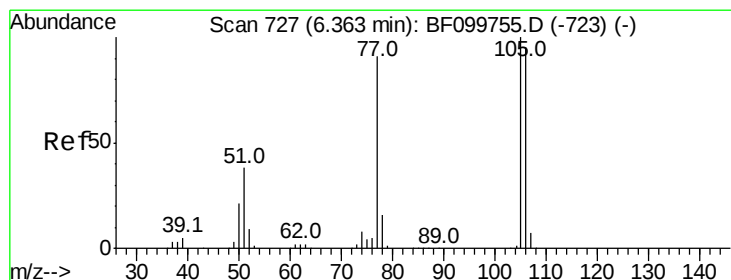
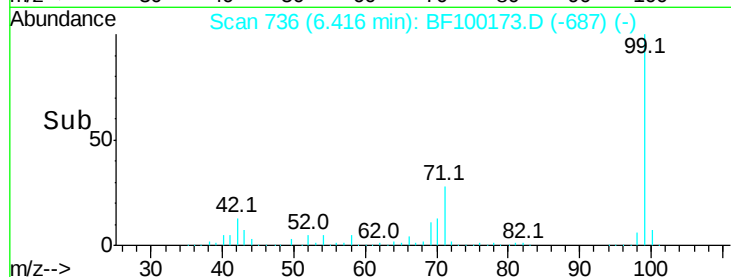
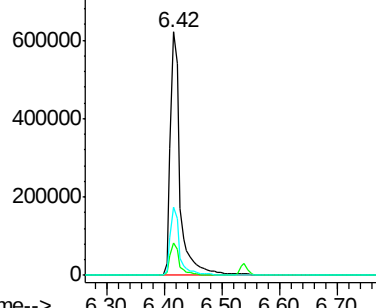
ClientSampleId :

Tot Ion: 99 Resp: 737072

Ion	Ratio	Lower	Upper
99	100		
42	13.4	14.5	21.7#
71	28.2	25.4	38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.565 ng

RT: 6.54 min Scan# 757

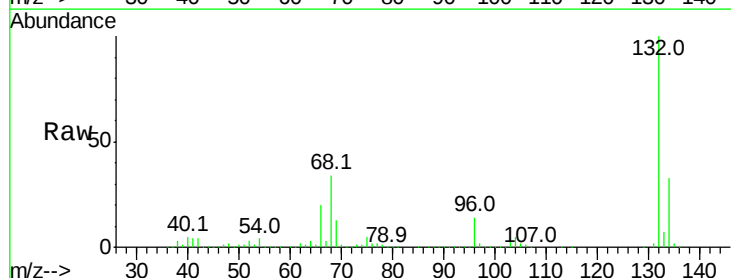
Delta R.T. 0.21 min

Lab File: BF100173.D

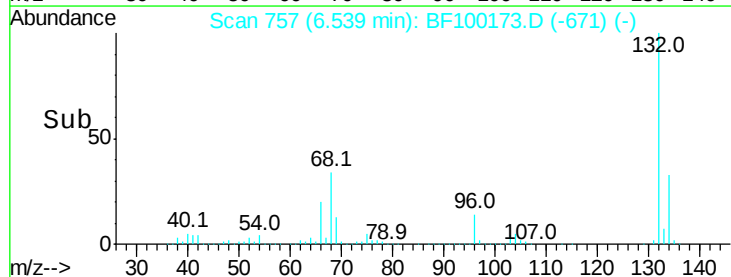
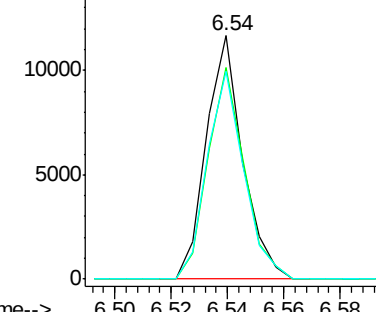
Acq: 4 Nov 2017 12:55

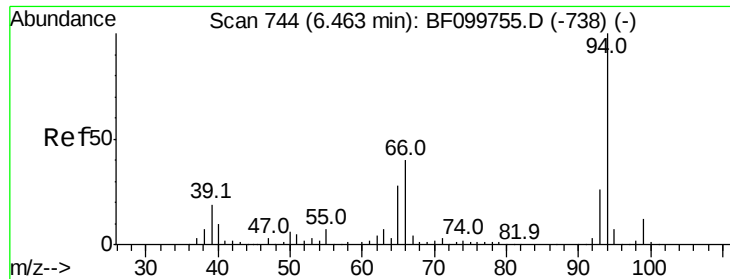
Tgt Ion: 77 Resp: 10426

Ion	Ratio	Lower	Upper
77	100		
105	86.7	81.1	121.1
106	85.3	74.5	114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 4.621 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF100173.D

Acq: 4 Nov 2017 12:55

Instrument :

BNA_F

ClientSampleId :

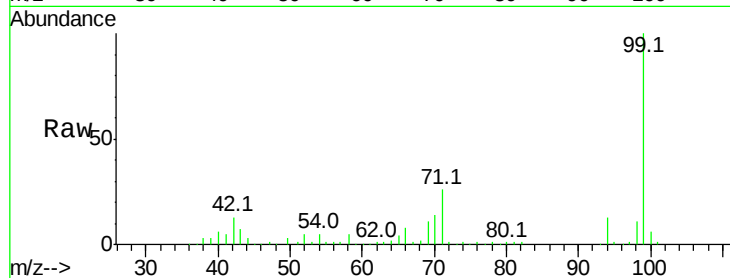
Tot Ion: 94 Resp: 34510

Ion Ratio Lower Upper

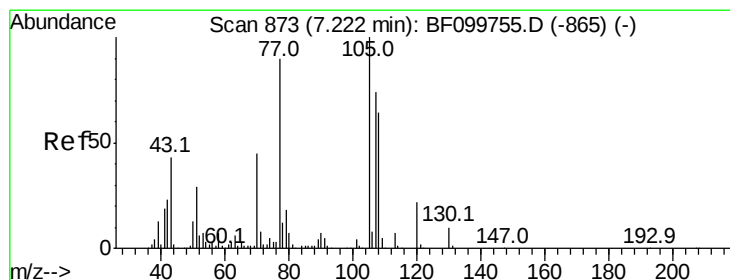
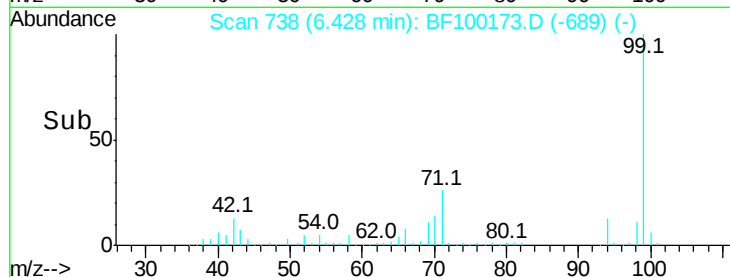
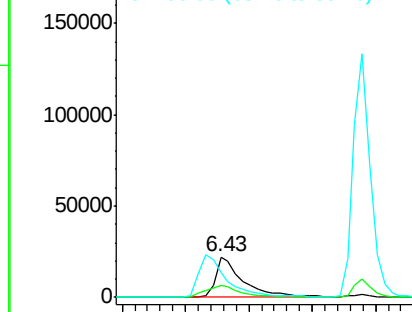
94 100

65 28.9 7.9 47.9

66 59.9 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 12.896 ng

RT: 7.33 min Scan# 892

Delta R.T. 0.14 min

Lab File: BF100173.D

Acq: 4 Nov 2017 12:55

Tgt Ion: 70 Resp: 51400

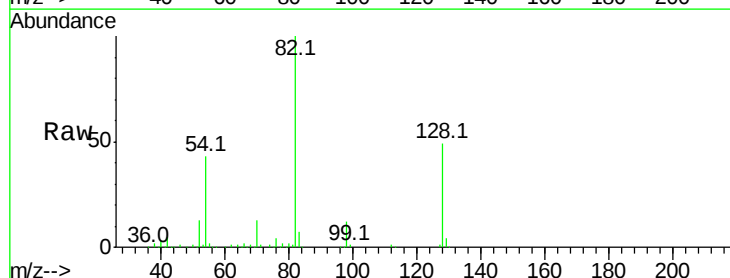
Ion Ratio Lower Upper

70 100

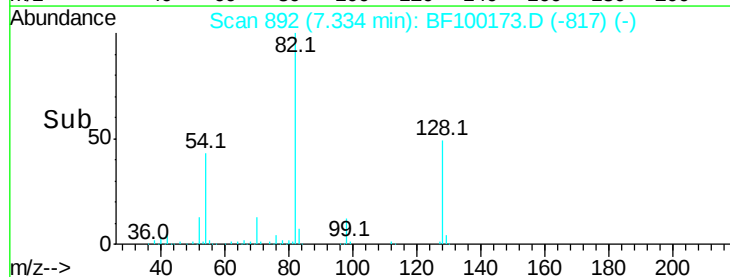
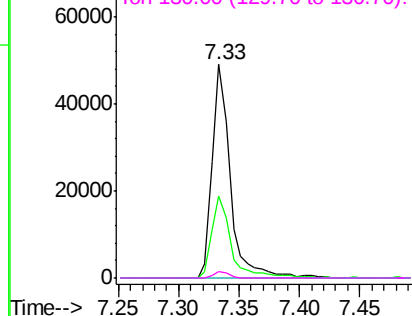
42 38.6 47.5 71.3#

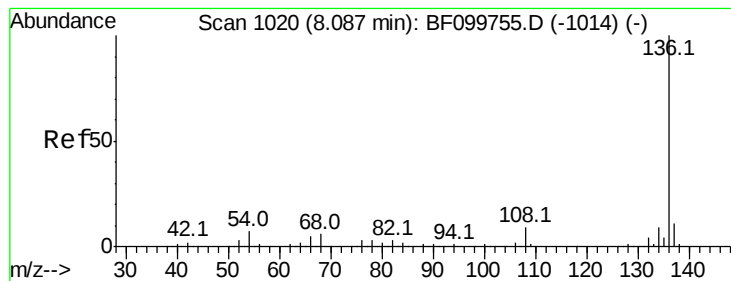
101 0.0 7.4 11.2#

130 3.0 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF100173.D

Acq: 4 Nov 2017 12:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 375841

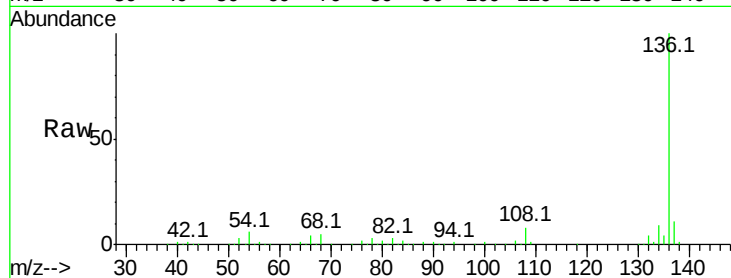
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 6.0 6.6 9.8#

68 5.2 5.0 7.4

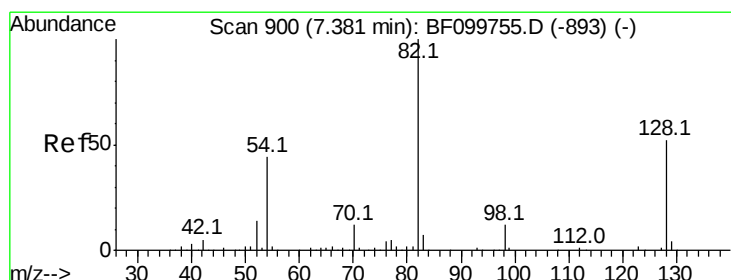
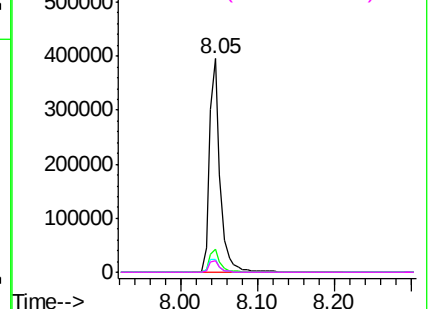
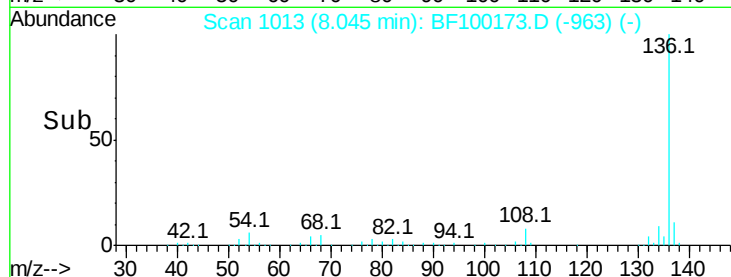


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 69.910 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.02 min

Lab File: BF100173.D

Acq: 4 Nov 2017 12:55

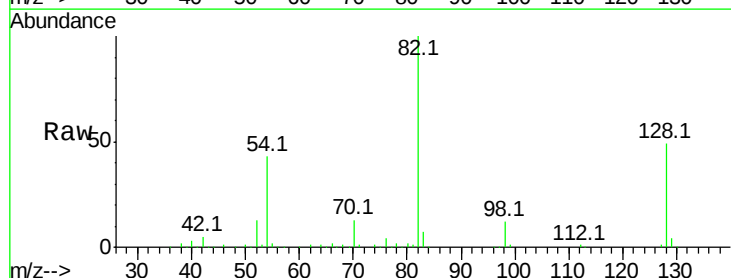
Tgt Ion: 82 Resp: 408122

Ion Ratio Lower Upper

82 100

128 49.0 36.1 54.1

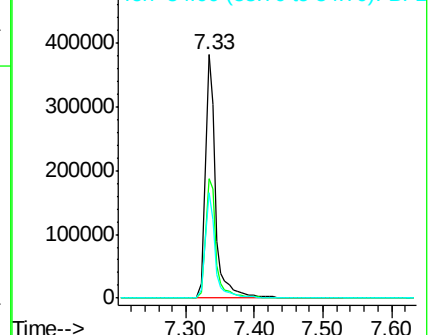
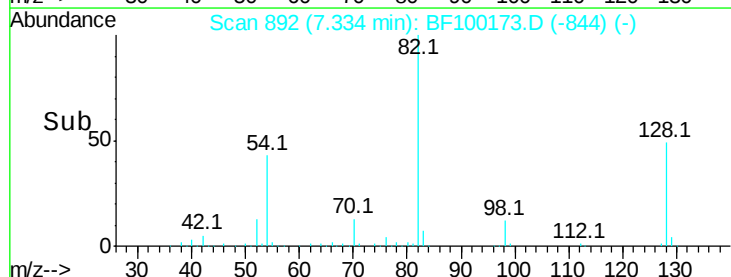
54 43.3 41.4 62.2

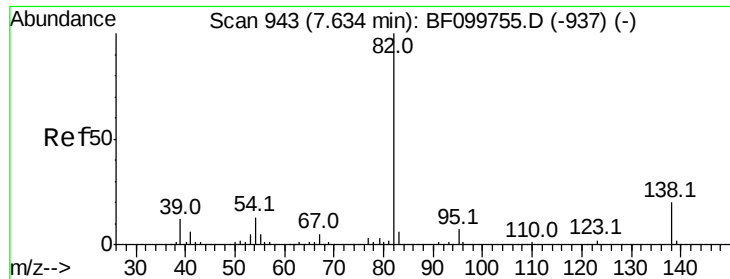


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.527 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.26 min

Lab File: BF100173.D

Acq: 4 Nov 2017 12:55

Instrument :

BNA_F

ClientSampleId :

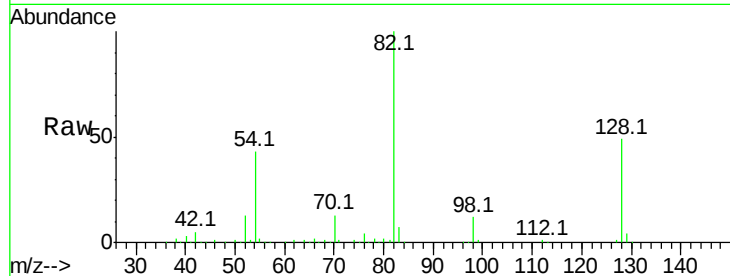
Tot Ion: 82 Resp: 408122

Ion Ratio Lower Upper

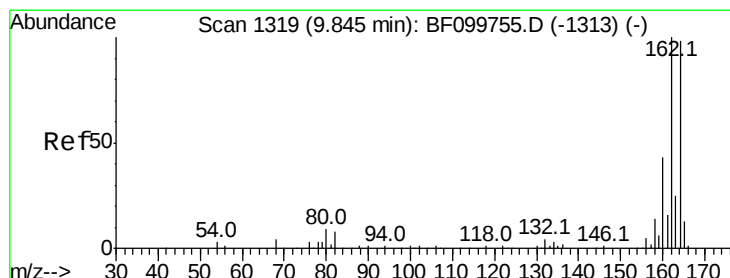
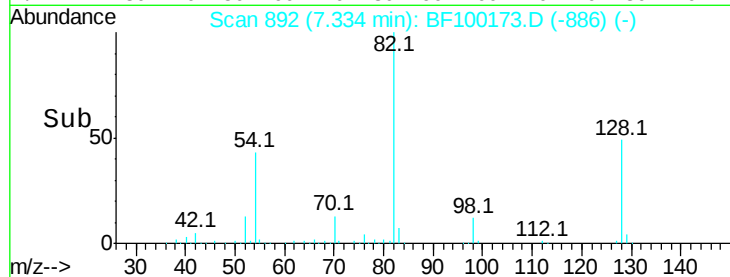
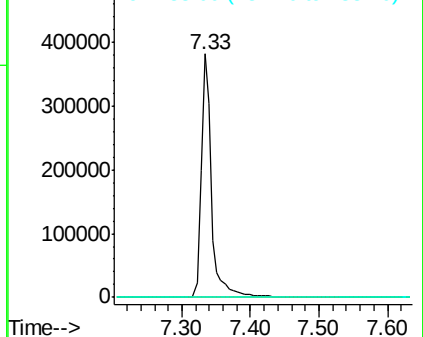
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF100173.D

Acq: 4 Nov 2017 12:55

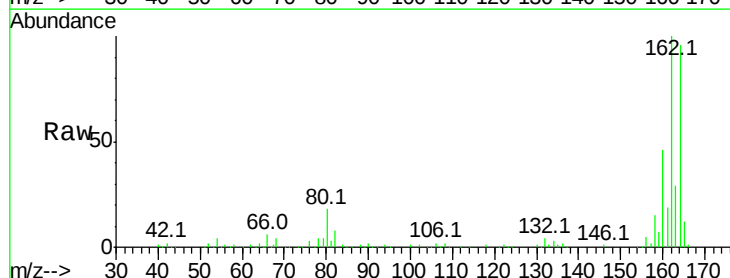
Tgt Ion:164 Resp: 178744

Ion Ratio Lower Upper

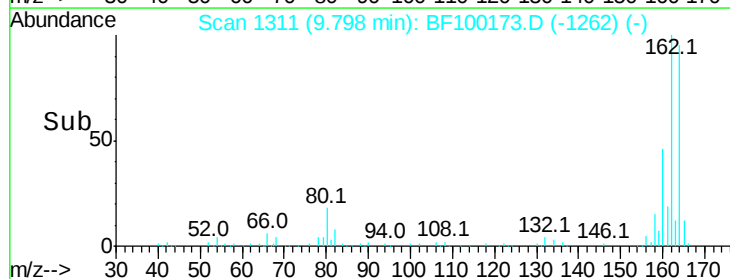
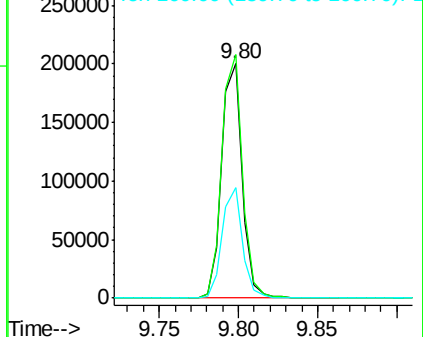
164 100

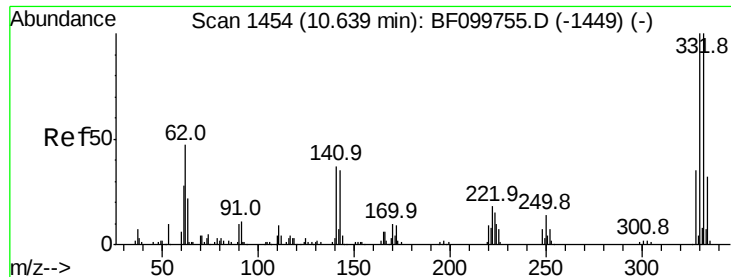
162 103.9 86.1 129.1

160 47.4 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

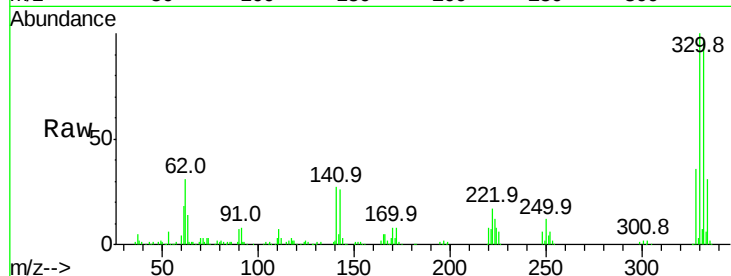




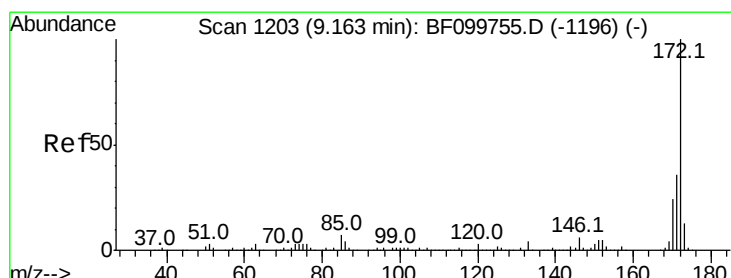
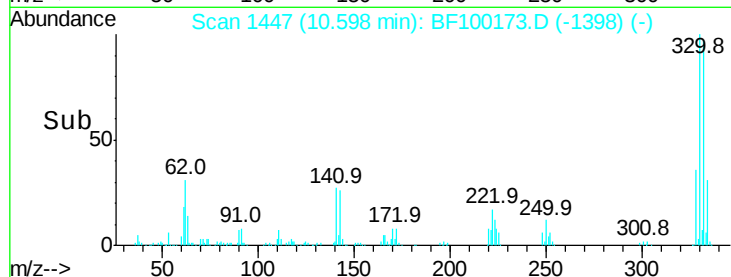
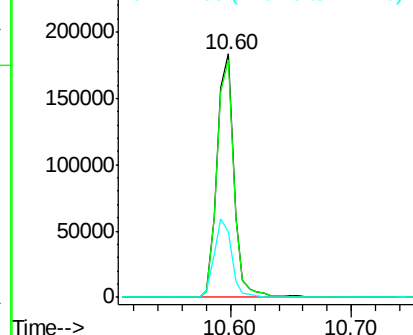
#41
 2,4,6-Tribromophenol
 Concen: 108.494 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF100173.D
 Acq: 4 Nov 2017 12:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	33.6	29.9	44.9

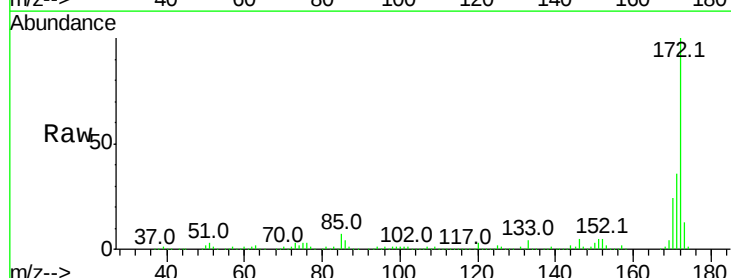


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

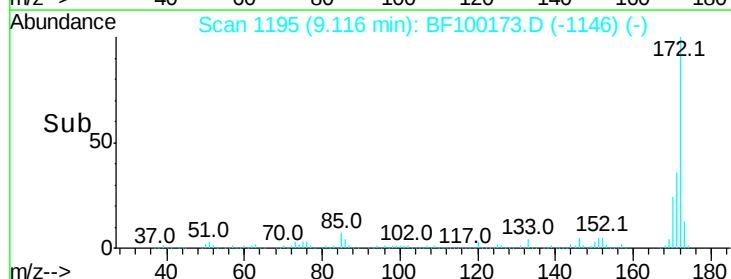
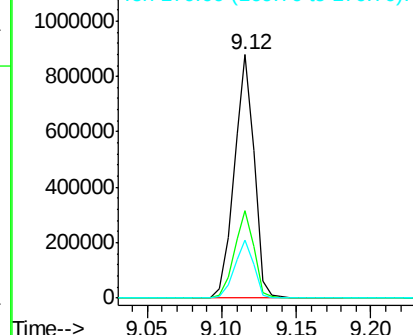


#44
 2-Fluorobiphenyl
 Concen: 71.539 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF100173.D
 Acq: 4 Nov 2017 12:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	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

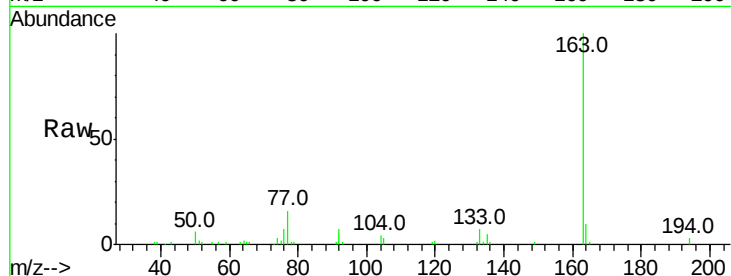




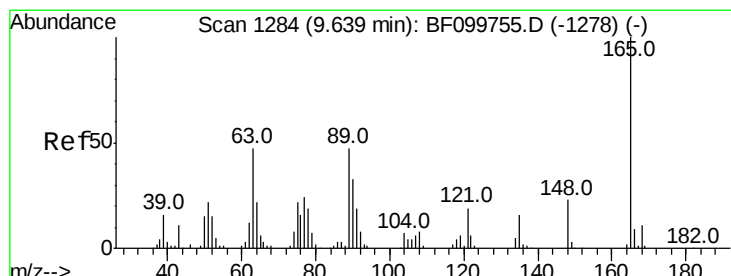
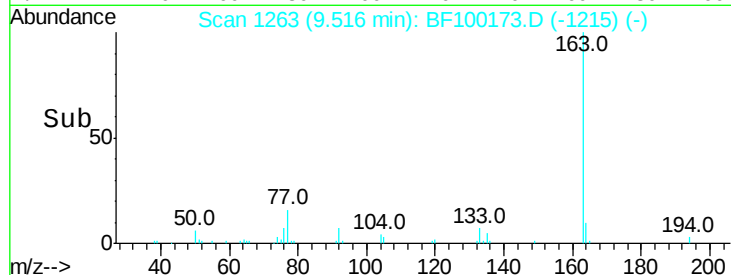
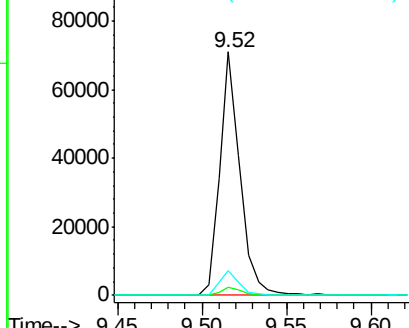
#49
Dimethylphthalate
Concen: 4.210 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF100173.D
Acq: 4 Nov 2017 12:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 59587
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.3 8.2 12.2

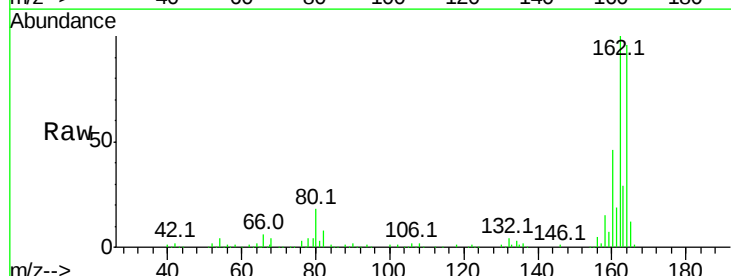


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

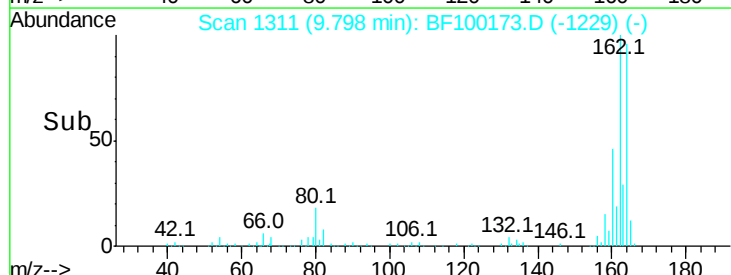
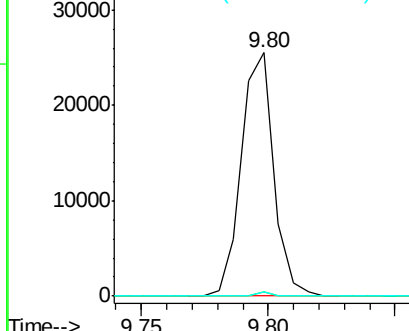


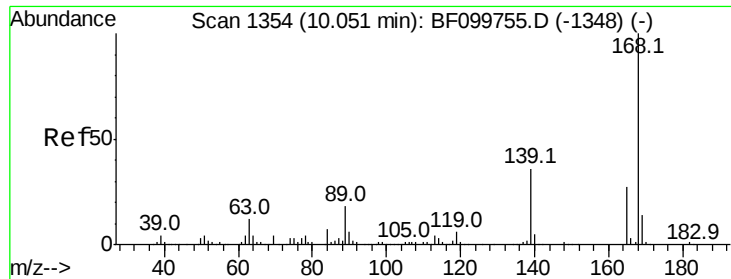
#50
2,6-Dinitrotoluene
Concen: 7.593 ng
RT: 9.80 min Scan# 1311
Delta R.T. 0.18 min
Lab File: BF100173.D
Acq: 4 Nov 2017 12:55

Tgt Ion:165 Resp: 22594
Ion Ratio Lower Upper
165 100
63 1.6 44.7 67.1#
89 1.5 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

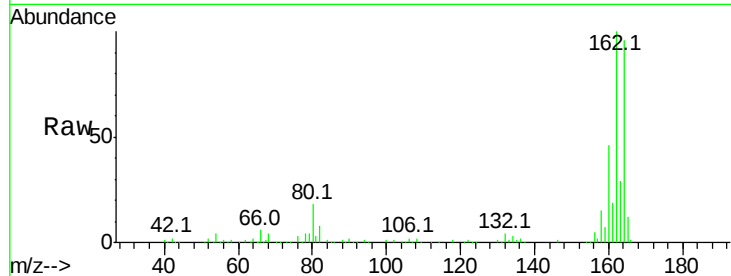




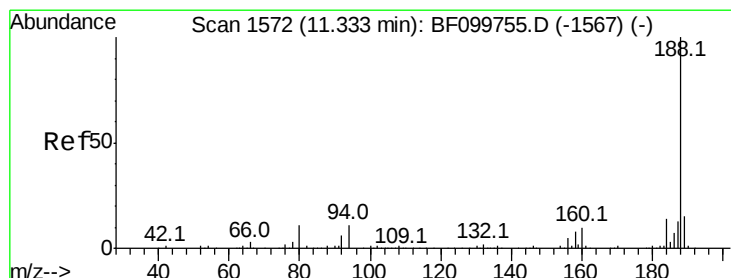
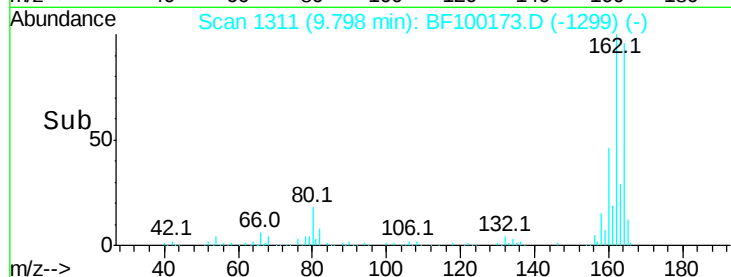
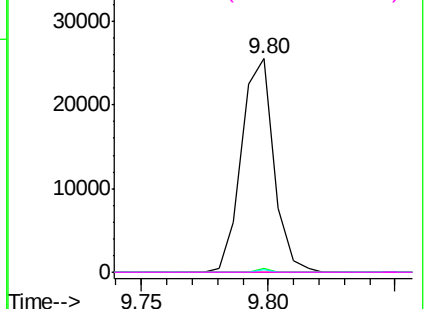
#56
 2,4-Dinitrotoluene
 Concen: 6.305 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. -0.23 min
 Lab File: BF100173.D
 Acq: 4 Nov 2017 12:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 22594
 Ion Ratio Lower Upper
 165 100
 63 1.6 36.4 54.6#
 89 1.5 57.8 86.6#
 182 0.0 1.6 2.4#

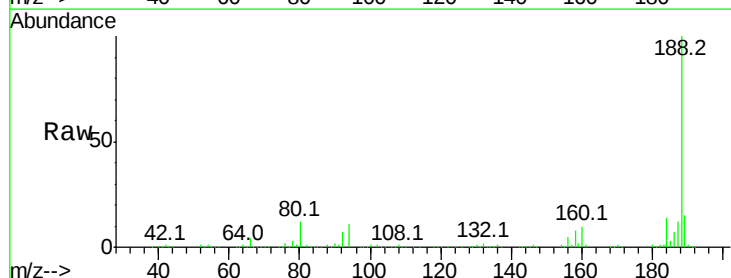


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

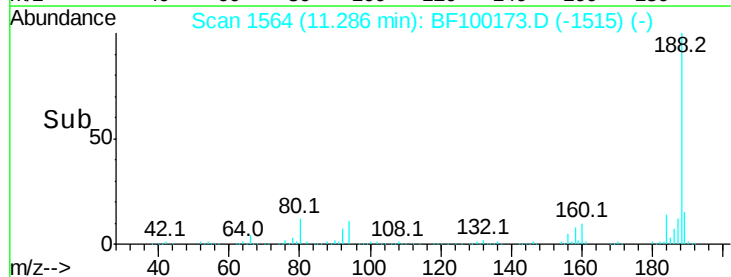
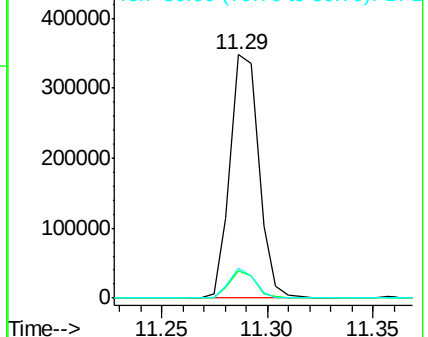


#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF100173.D
 Acq: 4 Nov 2017 12:55

Tgt Ion:188 Resp: 329464
 Ion Ratio Lower Upper
 188 100
 94 11.4 8.5 12.7
 80 12.1 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

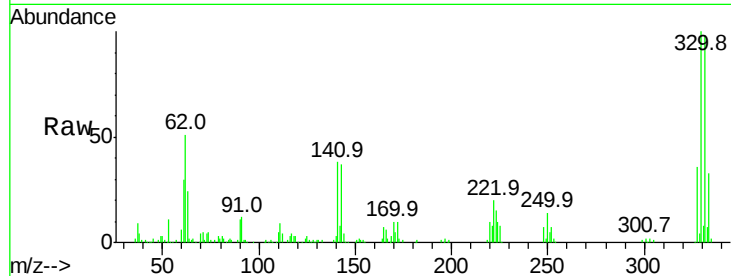




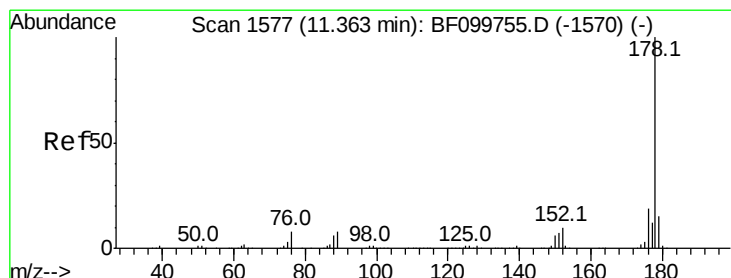
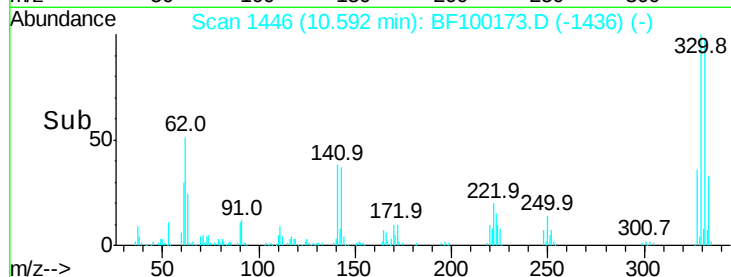
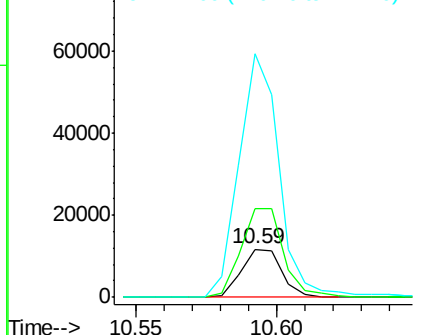
#66
 4-Bromophenyl-phenylether
 Concen: 3.323 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.24 min
 Lab File: BF100173.D
 Acq: 4 Nov 2017 12:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 11527
 Ion Ratio Lower Upper
 248 100
 250 184.7 76.9 115.3#
 141 505.8 74.4 111.6#

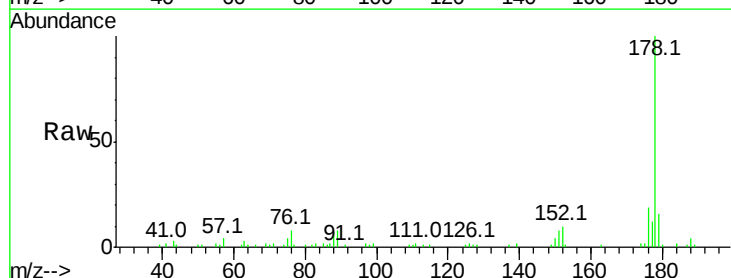


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

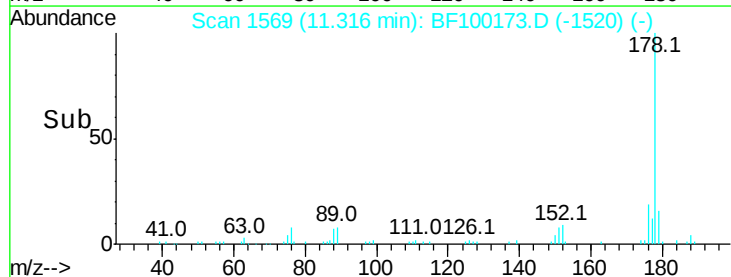
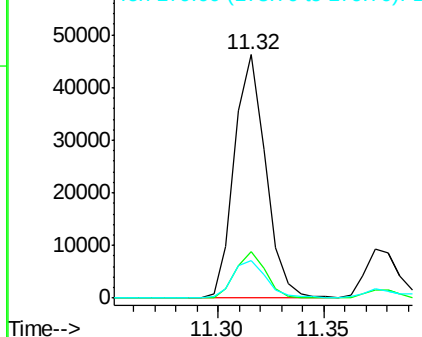


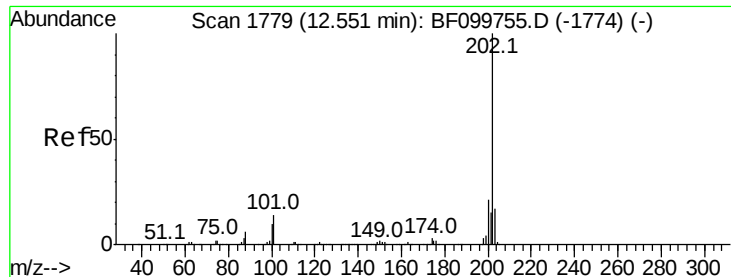
#70
 Phenanthrene
 Concen: 2.558 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF100173.D
 Acq: 4 Nov 2017 12:55

Tgt Ion:178 Resp: 47553
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.8 23.8
 179 15.6 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: 6.356 ng

RT: 12.51 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF100173.D

Acq: 4 Nov 2017 12:55

Instrument :

BNA_F

ClientSampleId :

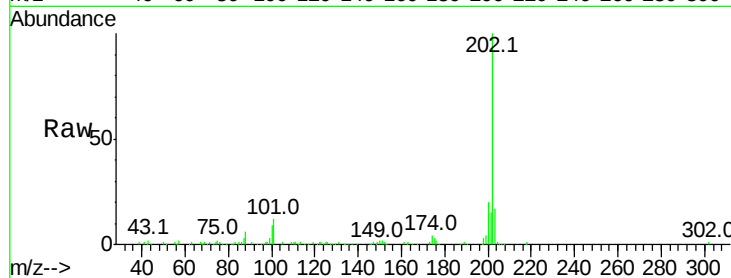
Tot Ion:202 Resp: 122813

Ion Ratio Lower Upper

202 100

101 12.2 0.0 34.1

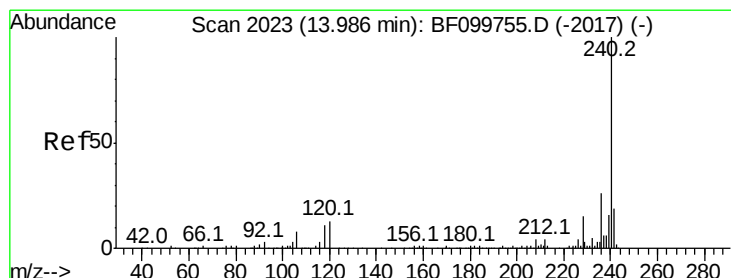
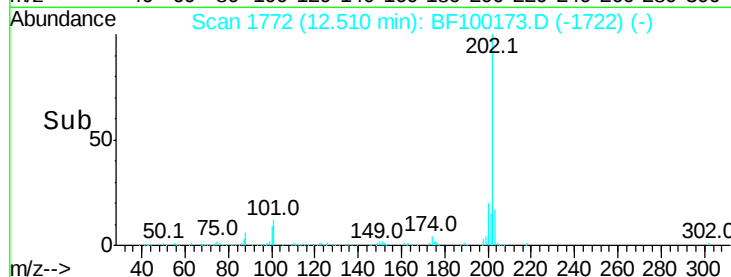
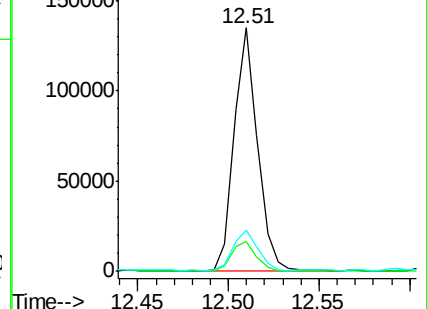
203 17.0 0.0 38.1



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: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF100173.D

Acq: 4 Nov 2017 12:55

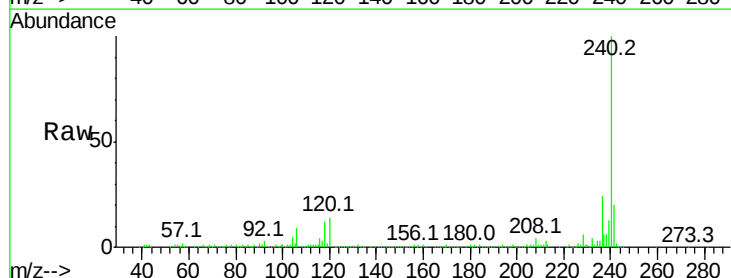
Tgt Ion:240 Resp: 204149

Ion Ratio Lower Upper

240 100

120 13.6 9.5 14.3

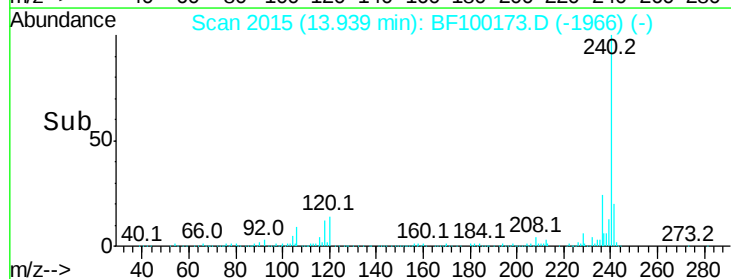
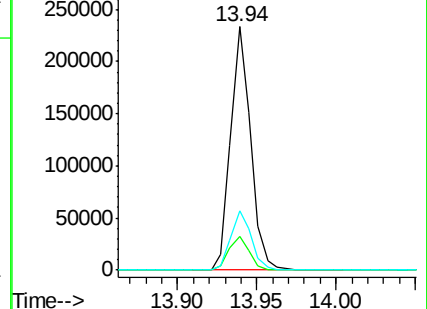
236 24.4 20.7 31.1

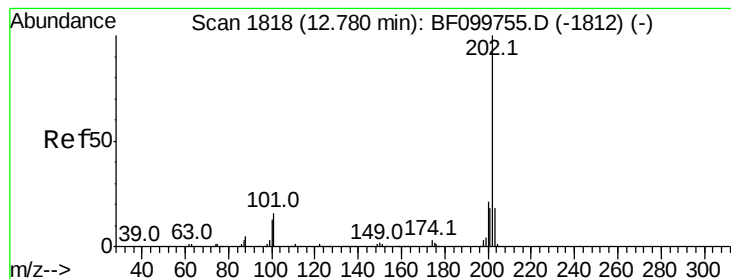


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.893 ng

RT: 12.74 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF100173.D

Acq: 4 Nov 2017 12:55

Instrument :

BNA_F

ClientSampleId :

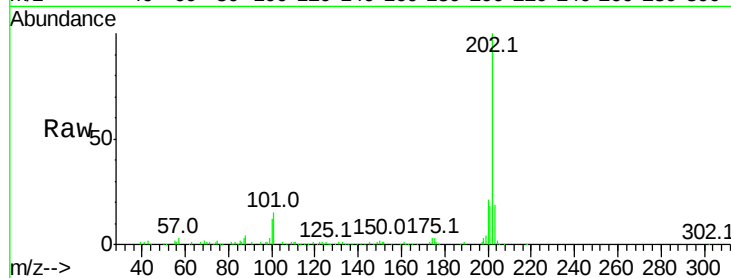
Tot Ion:202 Resp: 106995

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

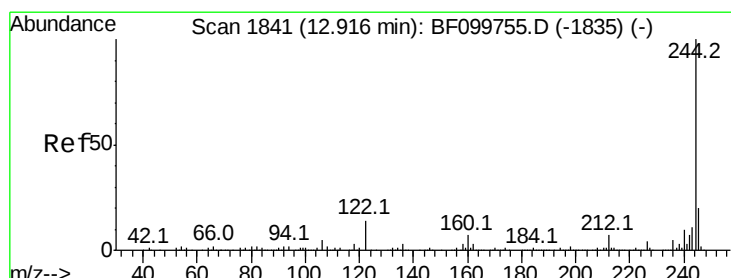
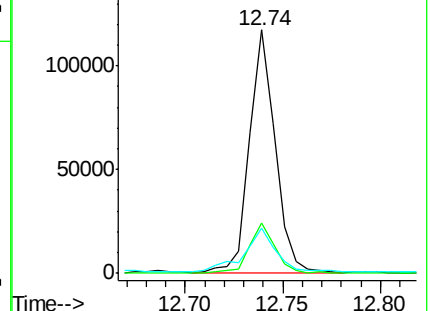
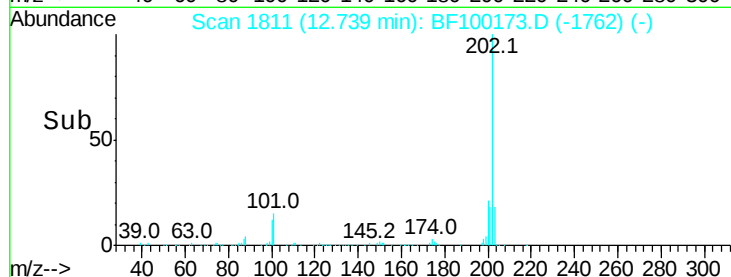
203 18.8 14.3 21.5



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: 77.524 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF100173.D

Acq: 4 Nov 2017 12:55

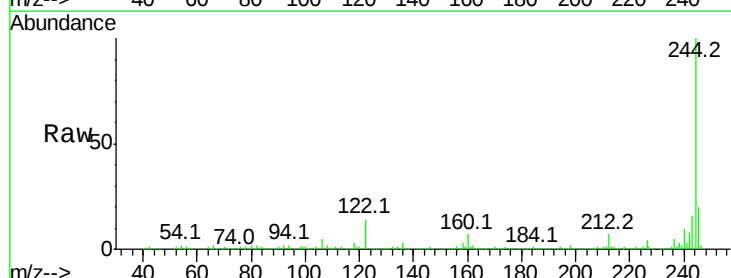
Tgt Ion:244 Resp: 724200

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

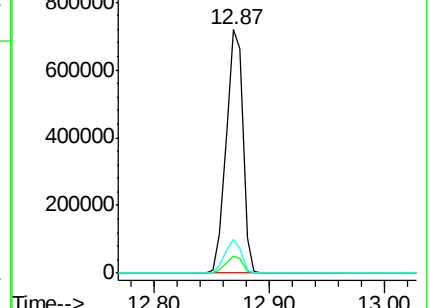
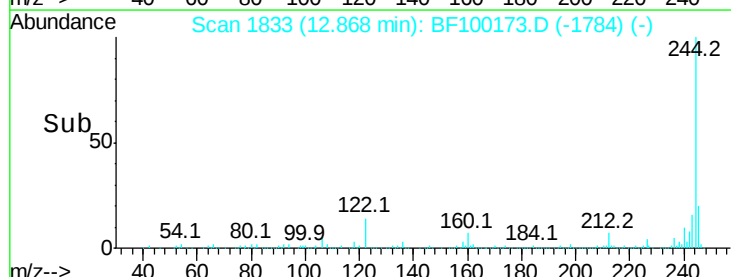
122 14.0 11.0 16.4

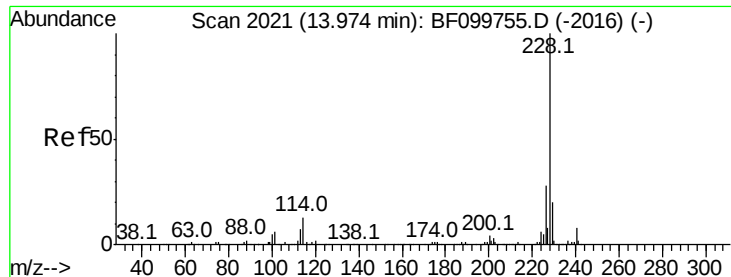


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

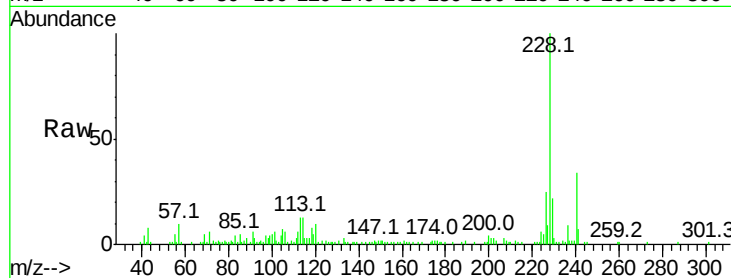




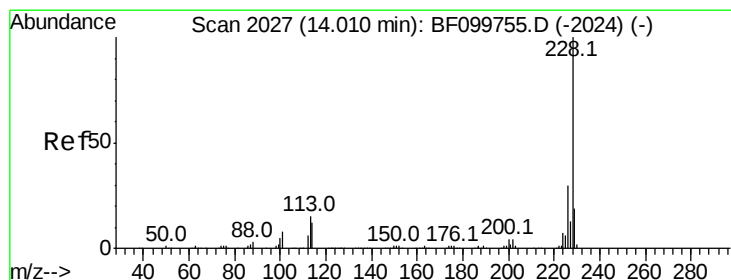
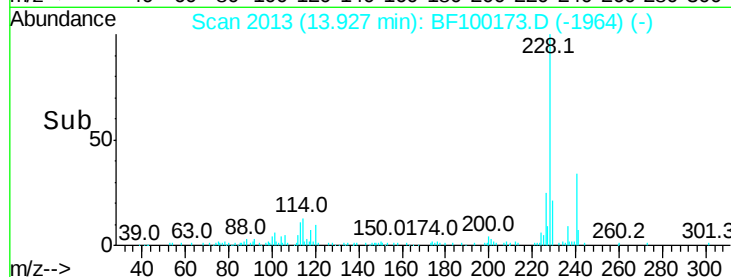
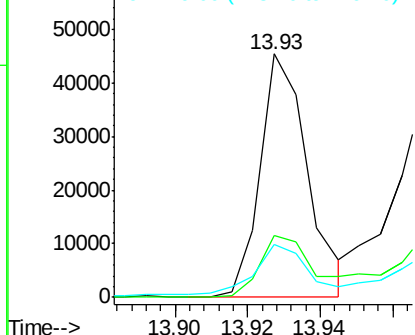
#80
Benzo(a)anthracene
Concen: 3.181 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF100173.D
Acq: 4 Nov 2017 12:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 41166
Ion Ratio Lower Upper
228 100
226 25.5 22.6 33.8
229 21.8 15.8 23.6

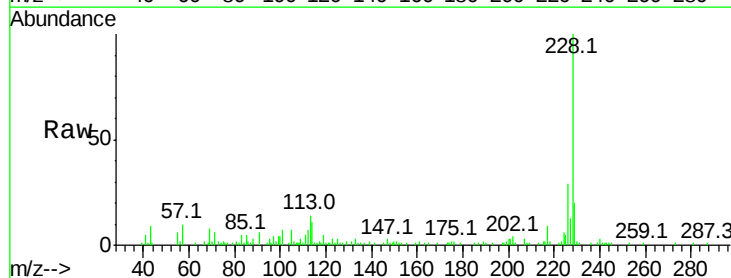


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

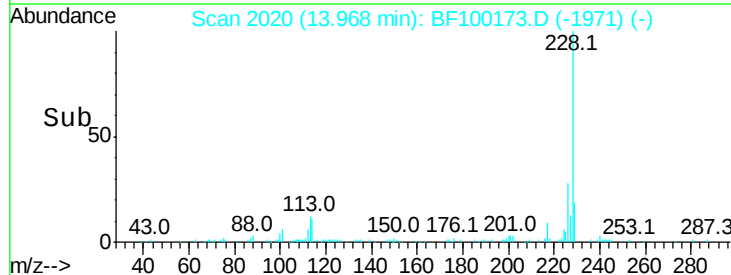
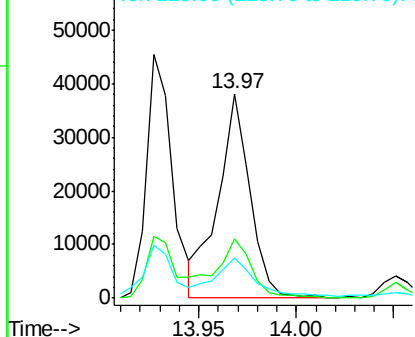


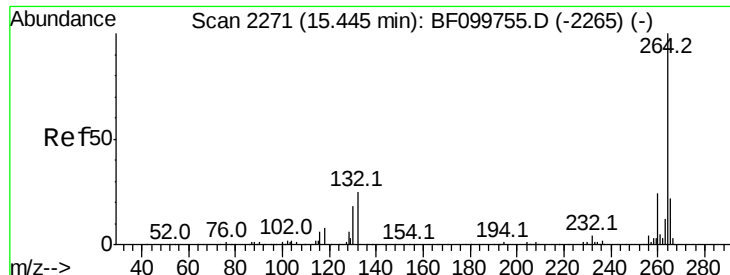
#82
Chrysene
Concen: 3.580 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF100173.D
Acq: 4 Nov 2017 12:55

Tgt Ion:228 Resp: 43555
Ion Ratio Lower Upper
228 100
226 29.0 25.0 37.6
229 19.7 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

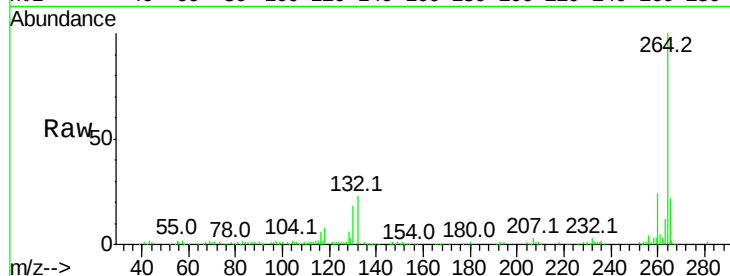




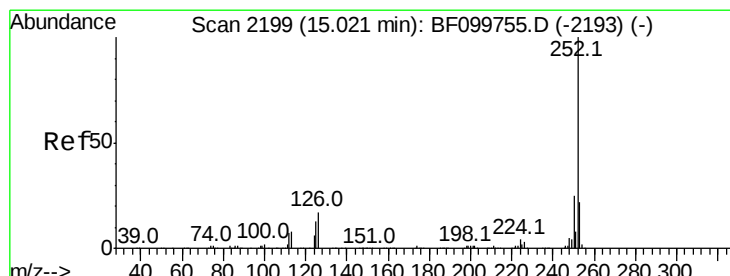
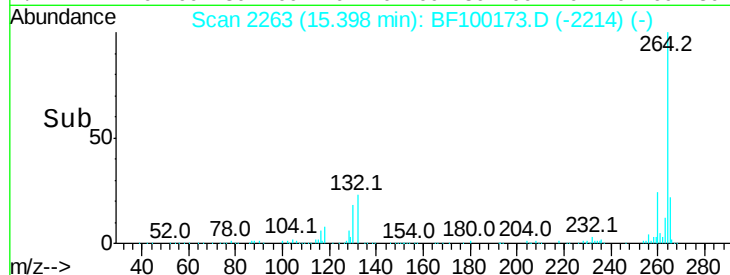
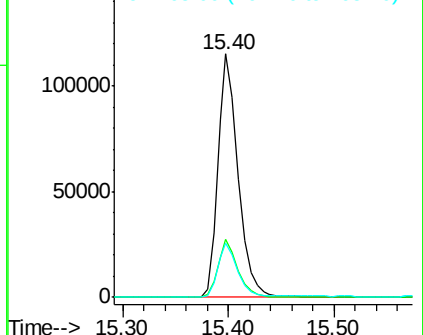
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF100173.D
Acq: 4 Nov 2017 12:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 154721
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 22.3 17.5 26.3

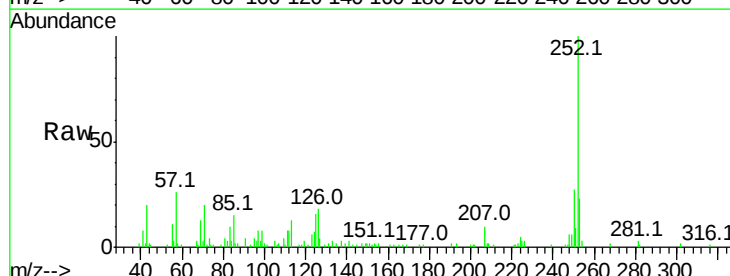


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

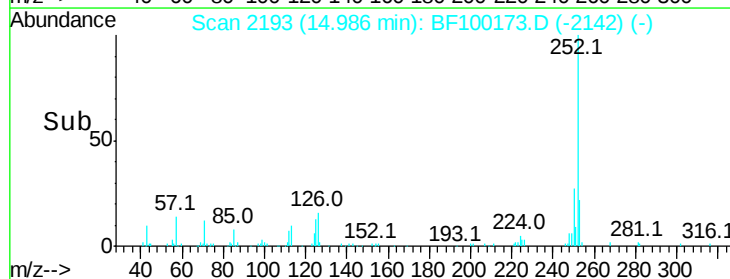
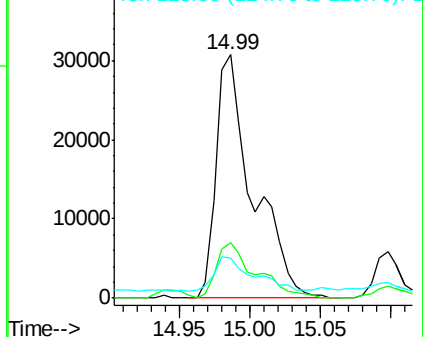


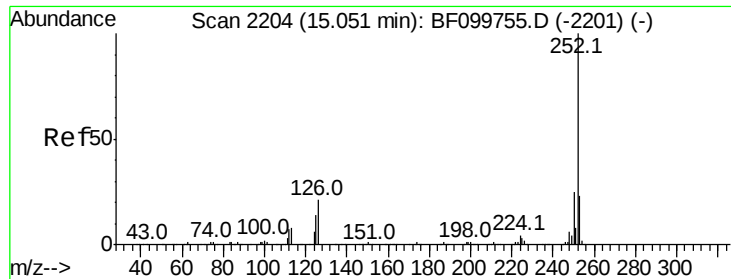
#87
Benzo(b)fluoranthene
Concen: 5.716 ng
RT: 14.99 min Scan# 2193
Delta R.T. 0.00 min
Lab File: BF100173.D
Acq: 4 Nov 2017 12:55

Tgt Ion:252 Resp: 55846
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 16.2 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

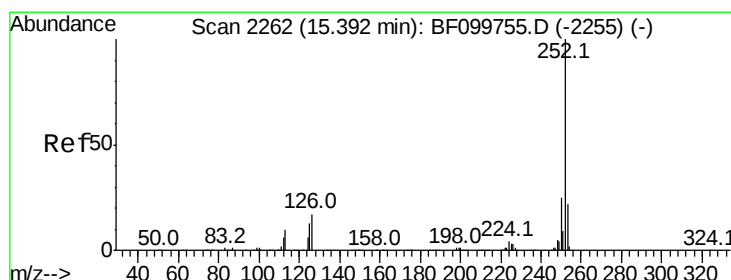
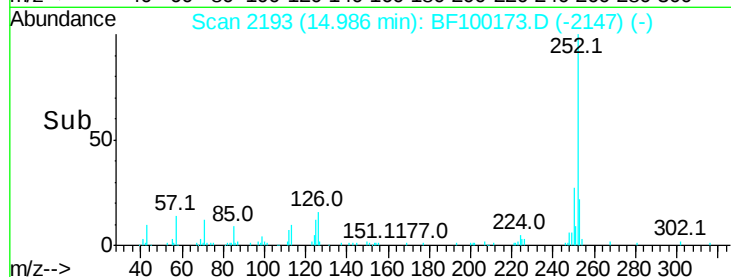
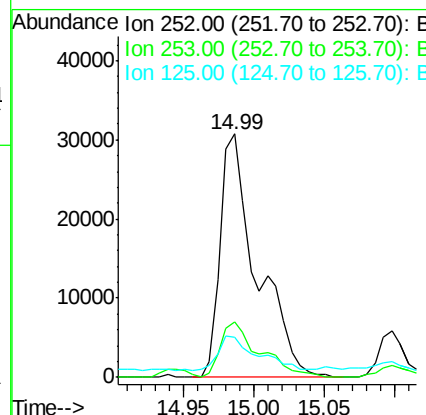
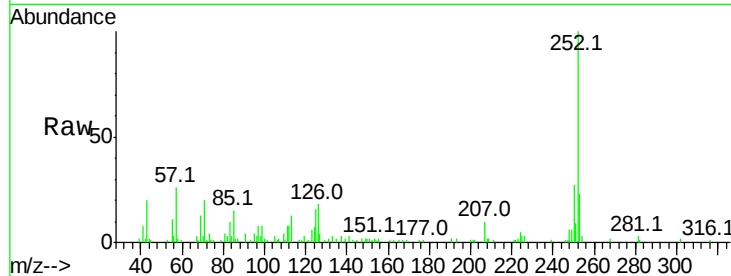




#88
Benzo(k)fluoranthene
Concen: 6.062 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.03 min
Lab File: BF100173.D
Acq: 4 Nov 2017 12:55

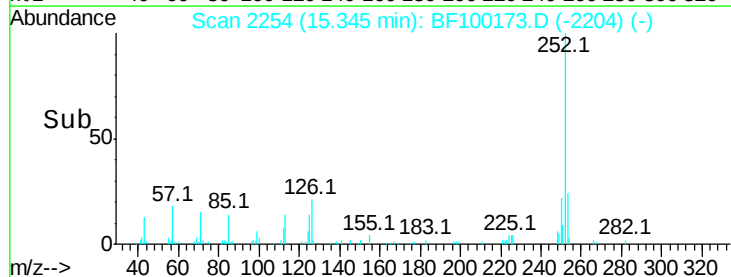
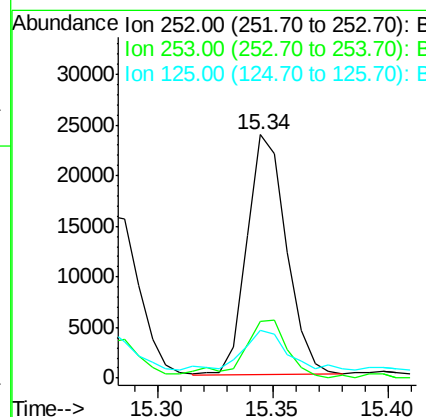
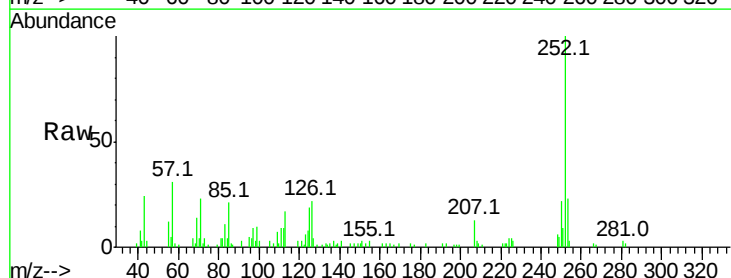
Instrument :
BNA_F
ClientSampleId :

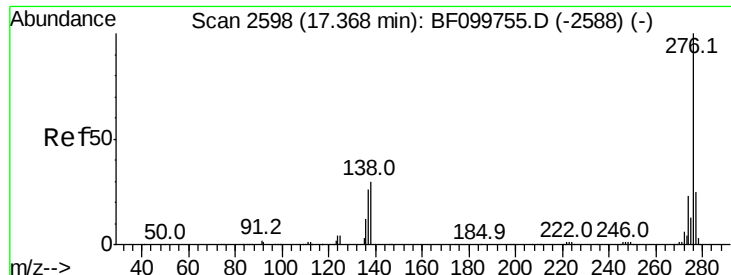
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	16.2	10.2	15.2



#89
Benzo(a)pyrene
Concen: 3.239 ng
RT: 15.34 min Scan# 2254
Delta R.T. -0.01 min
Lab File: BF100173.D
Acq: 4 Nov 2017 12:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	19.5	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 2.664 ng

RT: 17.33 min Scan# 2592

Delta R.T. 0.01 min

Lab File: BF100173.D

Acq: 4 Nov 2017 12:55

Instrument :

BNA_F

ClientSampleId :

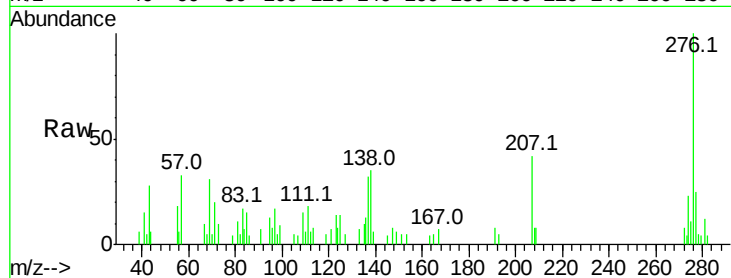
Tot Ion:276 Resp: 20324

Ion Ratio Lower Upper

276 100

277 24.9 17.9 26.9

138 35.1 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

