

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110317\
 Data File : BF100147.D
 Acq On : 3 Nov 2017 20:59
 Operator : SJ/JU
 Sample : I6079-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 03 23:15:10 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	6.77	152	95468	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	394954	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	174271	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	283260	20.00	ng	0.00
75) Chrysene-d12	13.95	240	148389	20.00	ng	0.00
86) Perylene-d12	15.41	264	153356	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	475222	78.15	ng	0.00
7) Phenol-d6	6.42	99	594251	82.42	ng	-0.01
23) Nitrobenzene-d5	7.34	82	340951	55.58	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	111876	70.44	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	645959	57.19	ng	0.00
78) Terphenyl-d14	12.87	244	383063	56.41	ng	0.00

Target Compounds

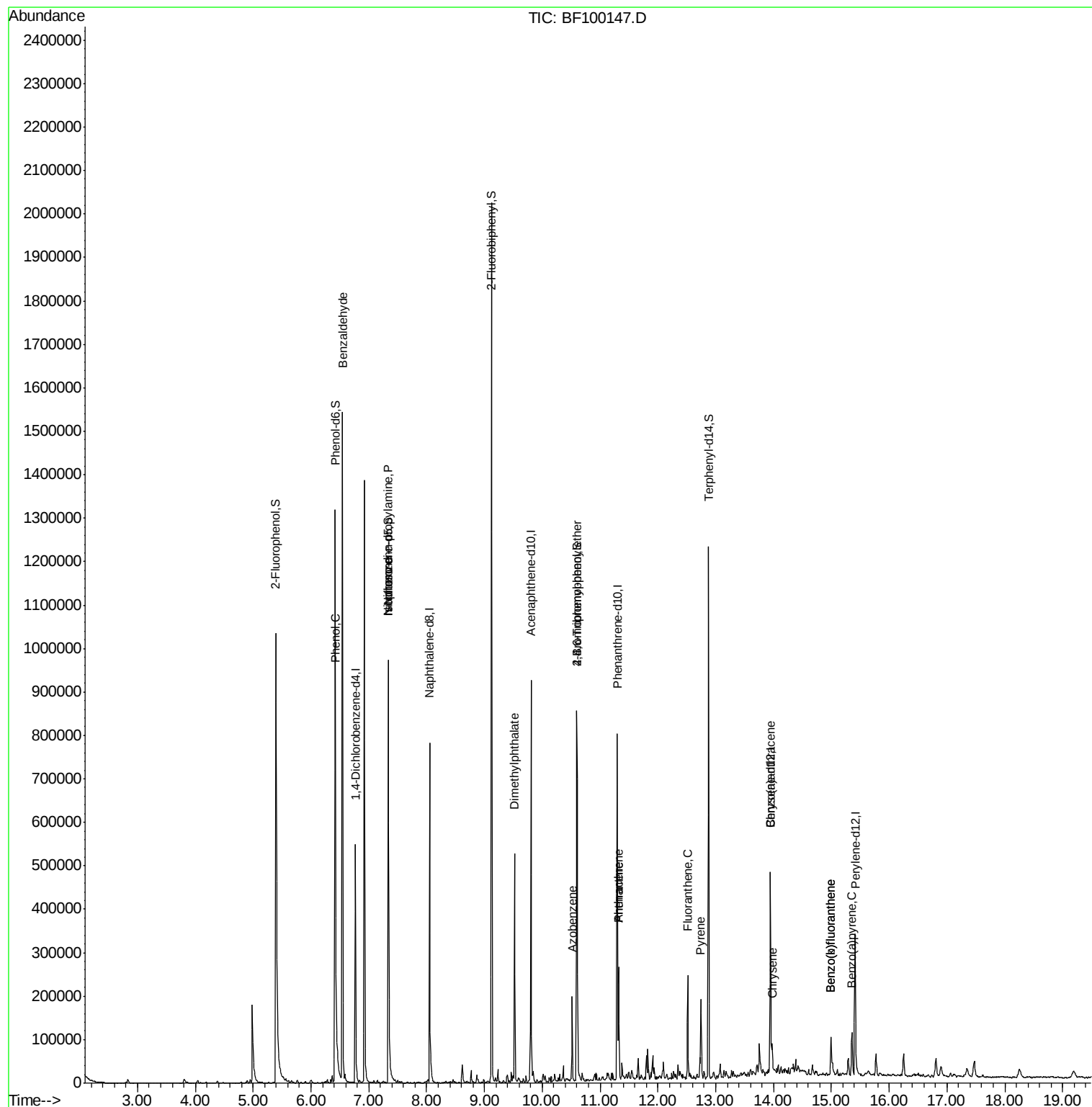
						Qvalue
9) Benzaldehyde	6.55	77	8822	2.048	ng	87
10) Phenol	6.43	94	40579	5.126	ng	87
19) n-Nitroso-di-n-propylamine	7.34	70	44197	10.460	ng	# 71
25) Isophorone	7.34	82	340951	30.628	ng	# 64
49) Dimethylphthalate	9.52	163	214511	15.543	ng	100
62) Azobenzene	10.52	77	28286	2.504	ng	# 1
66) 4-Bromophenyl-phenylether	10.60	248	7207	2.417	ng	# 1
70) Phenanthrene	11.32	178	108371	6.779	ng	97
71) Anthracene	11.32	178	108371	6.679	ng	99
74) Fluoranthene	12.52	202	92207	5.550	ng	98
77) Pyrene	12.74	202	75587	6.699	ng	98
80) Benzo(a)anthracene	13.94	228	29511	3.137	ng	96
82) Chrysene	13.98	228	28673	3.242	ng	97
87) Benzo(b)fluoranthene	14.99	252	44995	4.646	ng	# 95
88) Benzo(k)fluoranthene	14.99	252	44995	4.927	ng	# 96
89) Benzo(a)pyrene	15.36	252	27397	3.150	ng	# 94

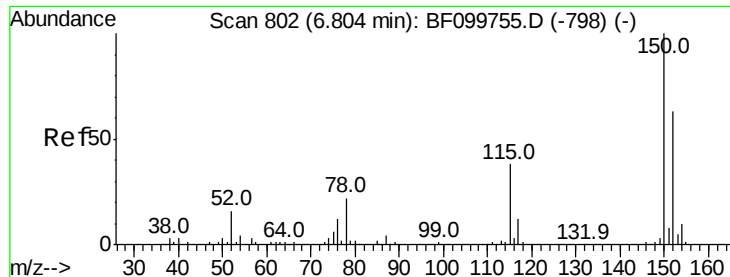
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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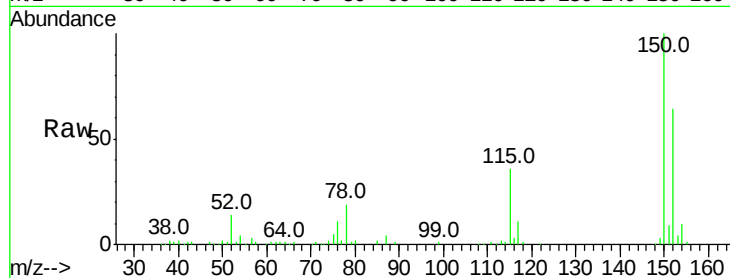


#1

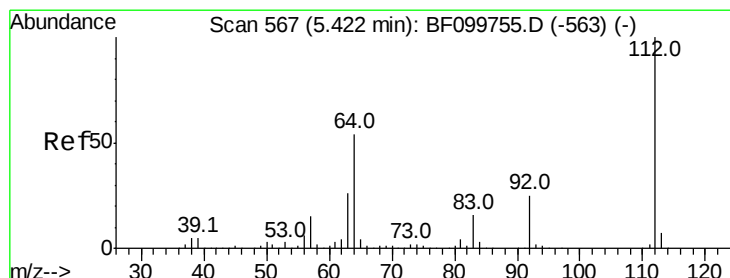
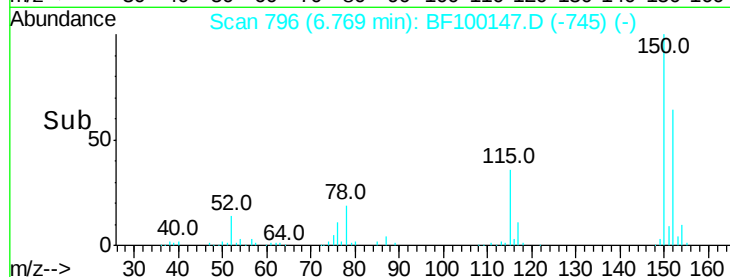
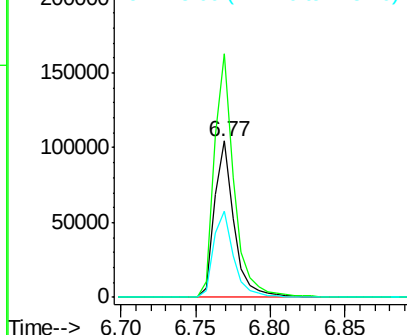
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. 0.00 min
Lab File: BF100147.D
Acq: 3 Nov 2017 20:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 95468
Ion Ratio Lower Upper
152 100
150 155.6 124.6 186.8
115 55.3 50.1 75.1



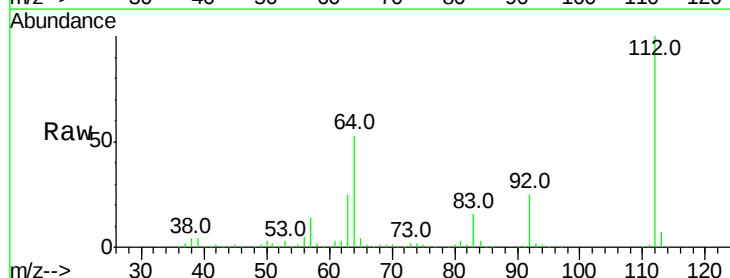
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



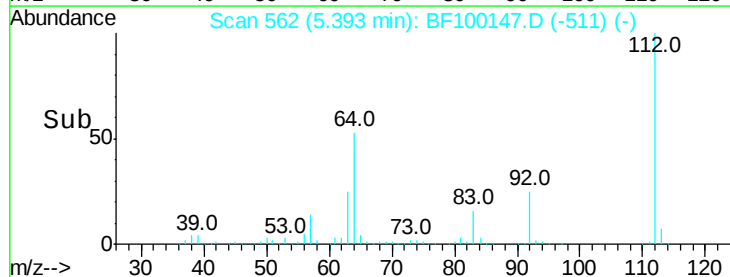
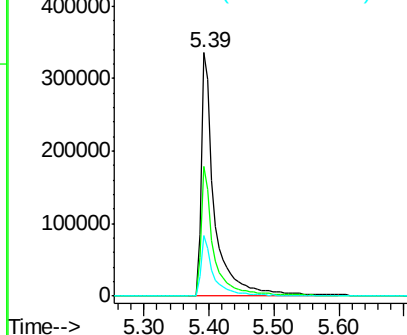
#5

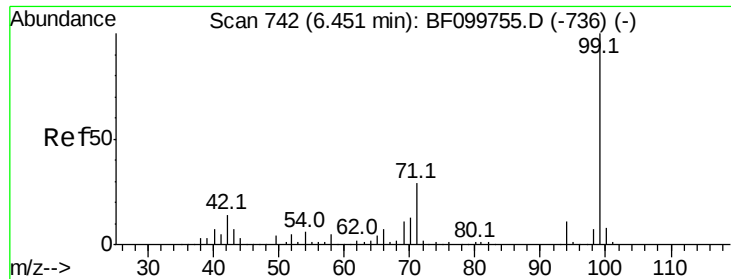
2-Fluorophenol
Concen: 78.150 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.00 min
Lab File: BF100147.D
Acq: 3 Nov 2017 20:59

Tgt Ion:112 Resp: 475222
Ion Ratio Lower Upper
112 100
64 53.0 47.9 71.9
63 24.7 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: 82.418 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF100147.D

Acq: 3 Nov 2017 20:59

Instrument :

BNA_F

ClientSampleId :

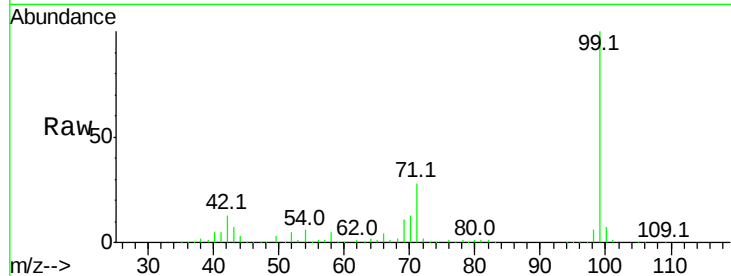
Tot Ion: 99 Resp: 594251

Ion Ratio Lower Upper

99 100

42 13.5 14.5 21.7#

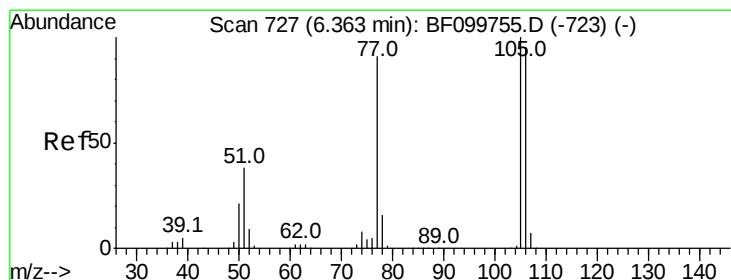
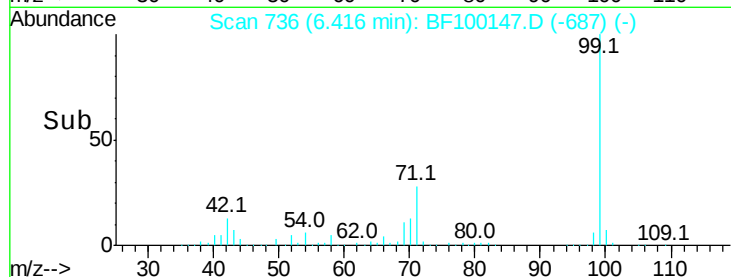
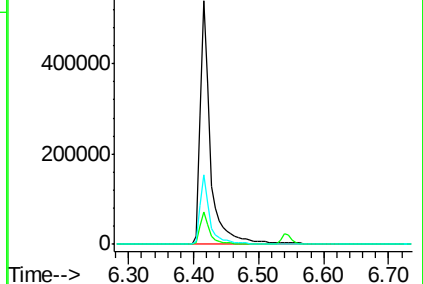
71 28.4 25.4 38.0



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: 2.048 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.21 min

Lab File: BF100147.D

Acq: 3 Nov 2017 20:59

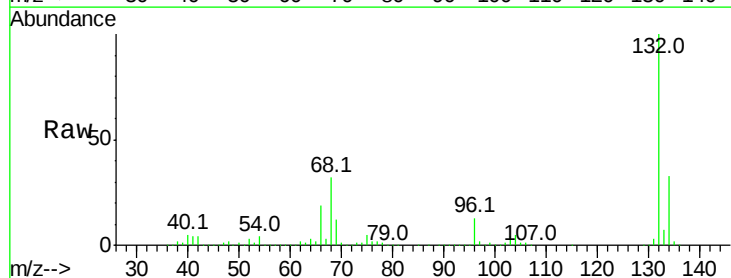
Tgt Ion: 77 Resp: 8822

Ion Ratio Lower Upper

77 100

105 85.1 81.1 121.1

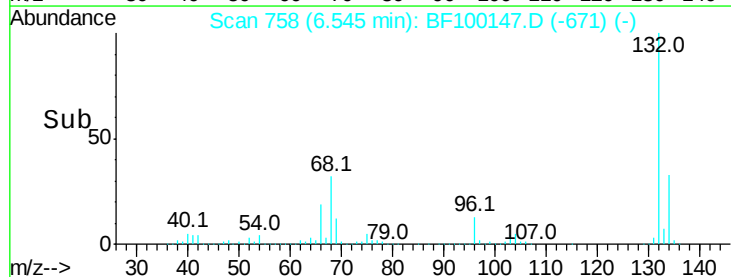
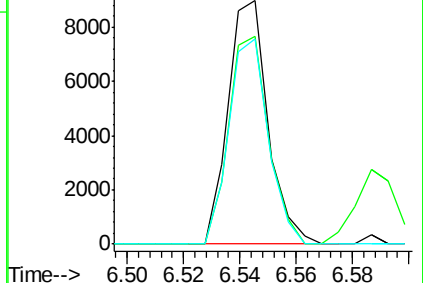
106 84.4 74.5 114.5

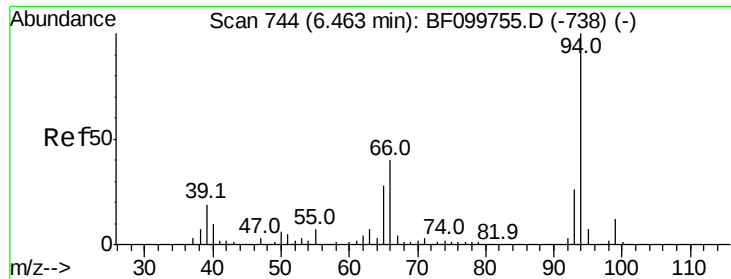


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 5.126 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF100147.D

Acq: 3 Nov 2017 20:59

Instrument :

BNA_F

ClientSampleId :

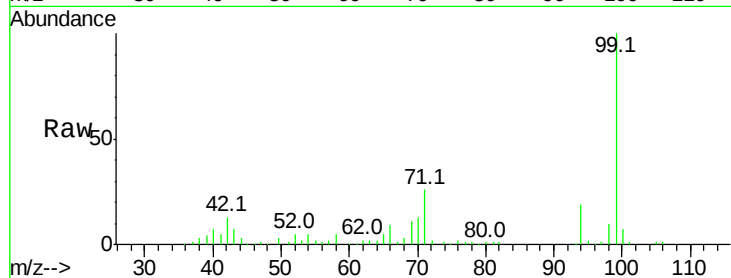
Tot Ion: 94 Resp: 40579

Ion Ratio Lower Upper

94 100

65 26.2 7.9 47.9

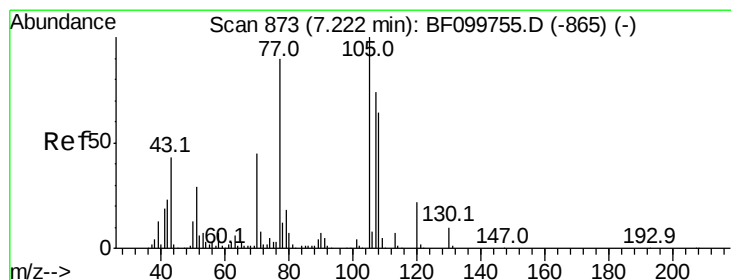
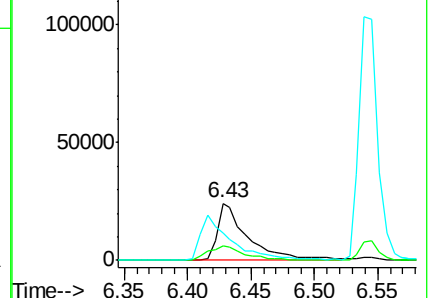
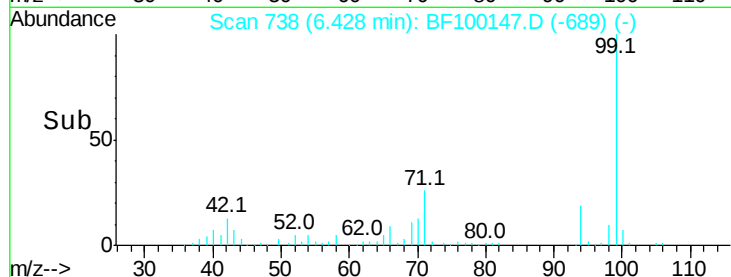
66 47.8 16.2 56.2



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: 10.460 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.15 min

Lab File: BF100147.D

Acq: 3 Nov 2017 20:59

Tgt Ion: 70 Resp: 44197

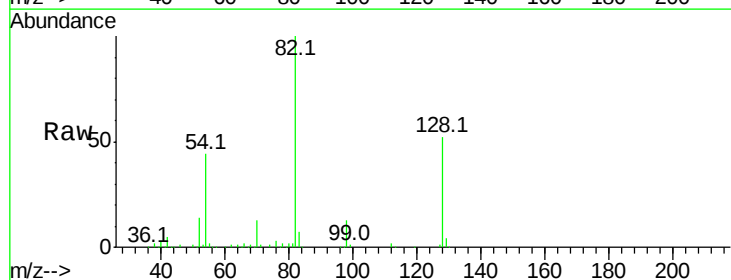
Ion Ratio Lower Upper

70 100

42 39.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.9 16.6 25.0#

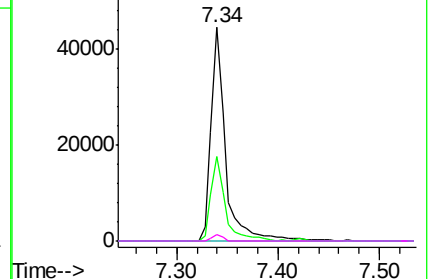
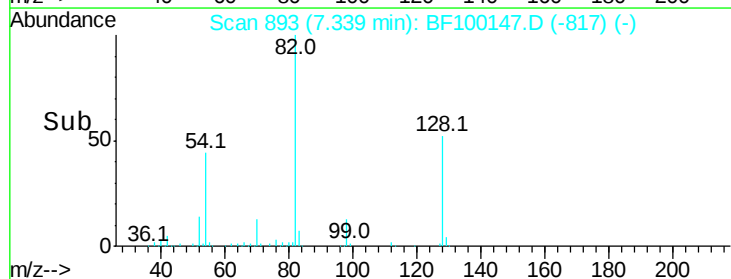


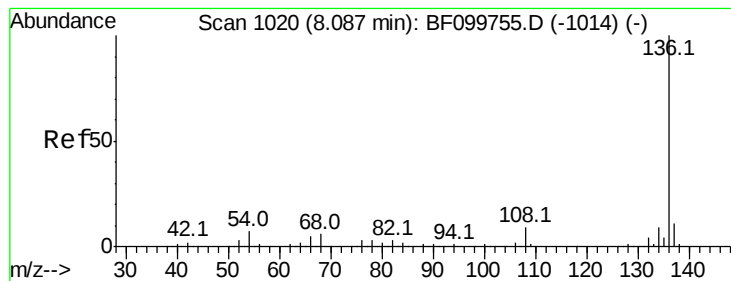
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

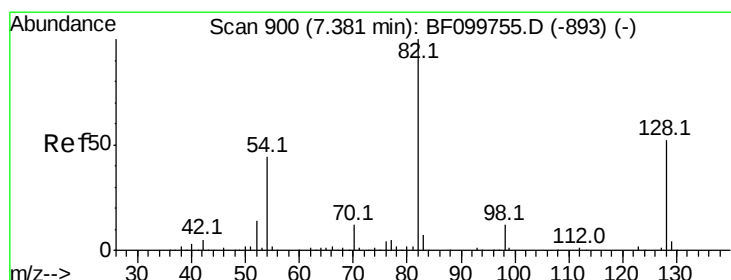
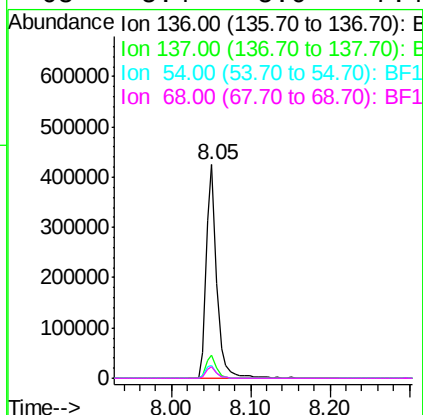
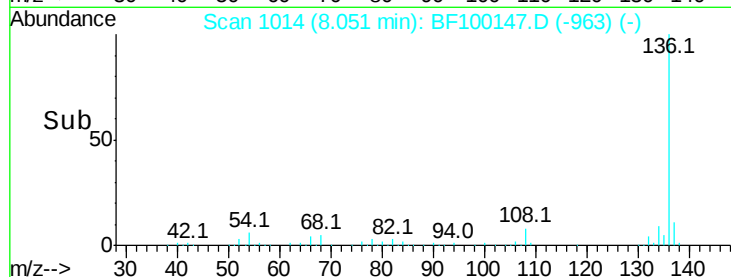
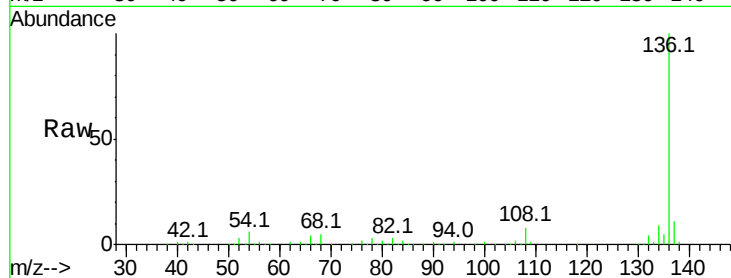




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF100147.D
Acq: 3 Nov 2017 20:59

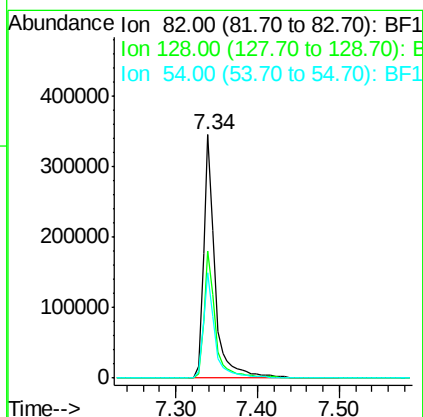
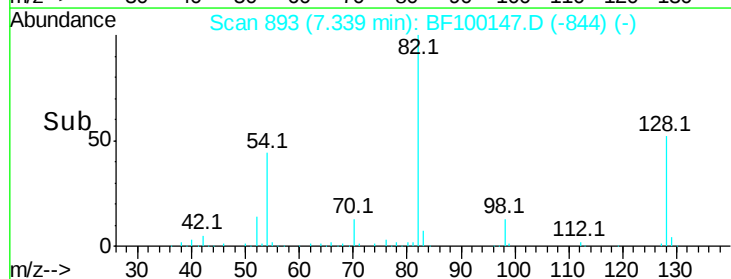
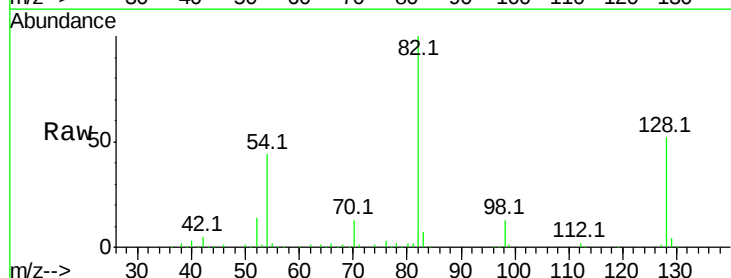
Instrument :
BNA_F
ClientSampleId :

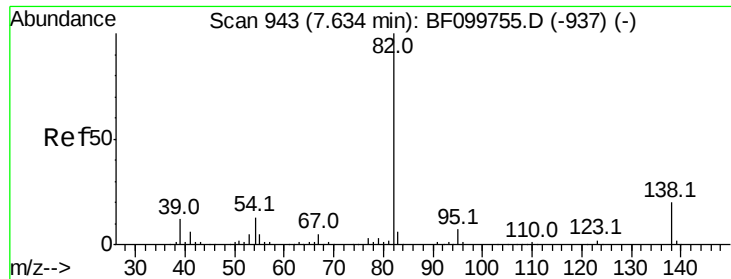
Tot Ion:	136	Resp:	394954
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.1	6.6	9.8#
68	5.4	5.0	7.4



#23
Nitrobenzene-d5
Concen: 55.578 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF100147.D
Acq: 3 Nov 2017 20:59

Tgt Ion:	82	Resp:	340951
Ion	Ratio	Lower	Upper
82	100		
128	52.2	36.1	54.1
54	43.5	41.4	62.2

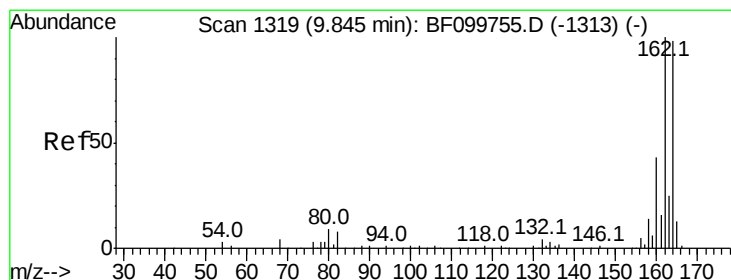
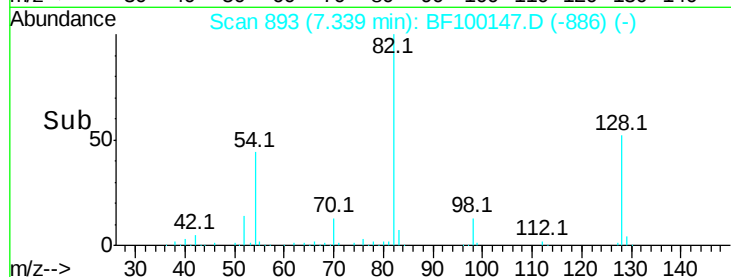
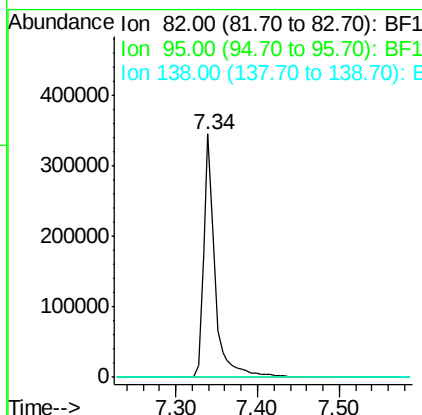
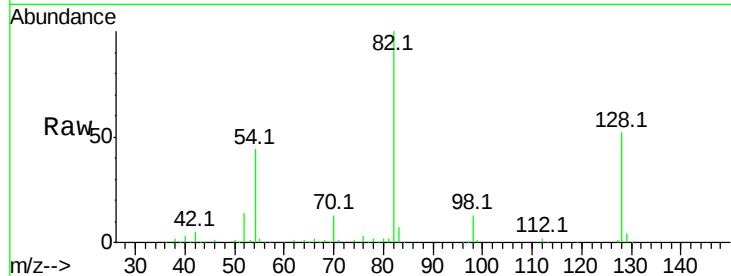




#25
Isophorone
Concen: 30.628 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.26 min
Lab File: BF100147.D
Acq: 3 Nov 2017 20:59

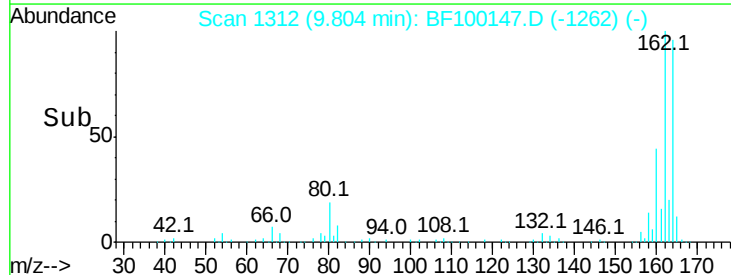
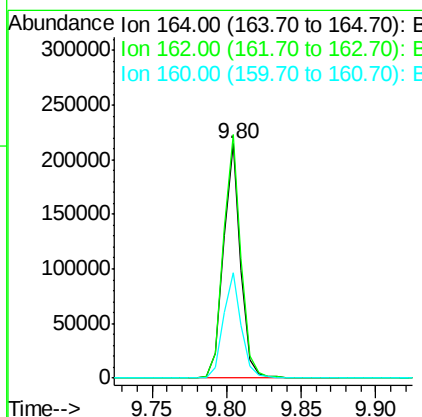
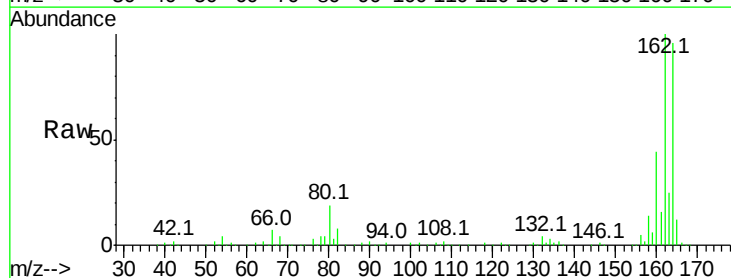
Instrument :
BNA_F
ClientSampled :

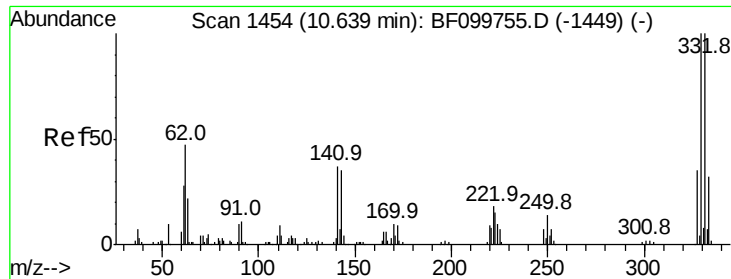
Tot Ion: 82 Resp: 340951
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF100147.D
Acq: 3 Nov 2017 20:59

Tgt Ion:164 Resp: 174271
Ion Ratio Lower Upper
164 100
162 103.9 86.1 129.1
160 45.2 38.3 57.5

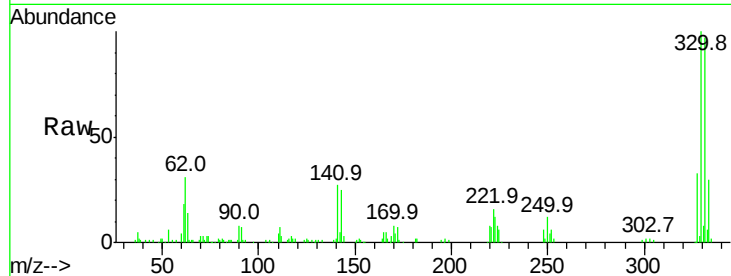




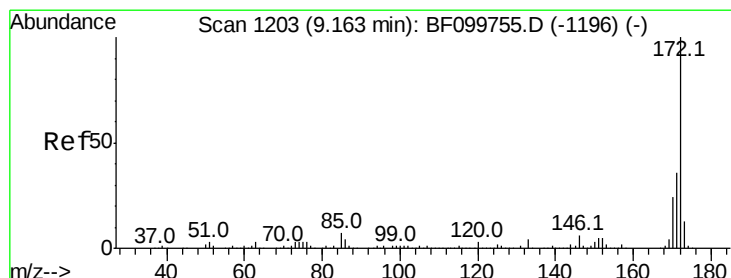
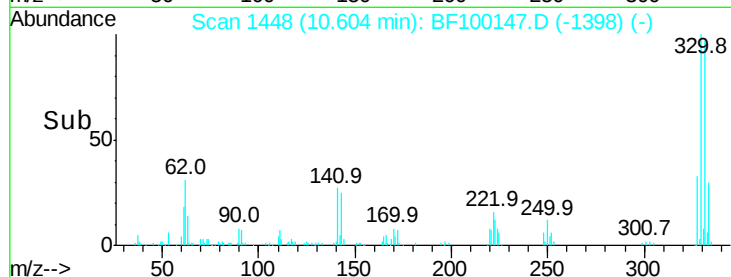
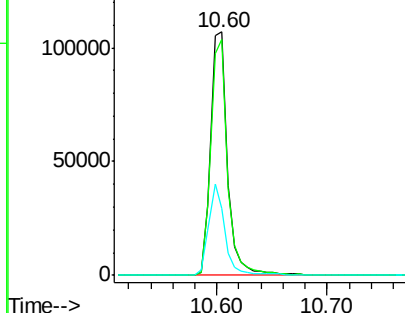
#41
 2,4,6-Tribromophenol
 Concen: 70.444 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF100147.D
 Acq: 3 Nov 2017 20:59

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 111876
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.0 115.6
 141 35.8 29.9 44.9

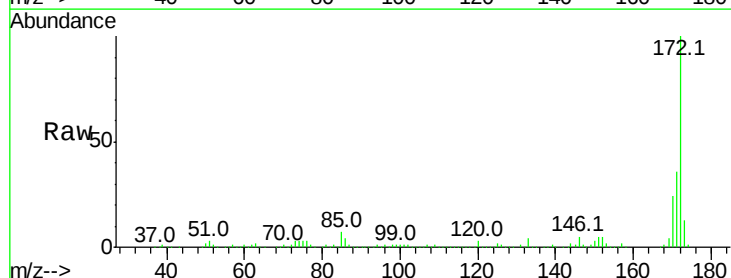


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

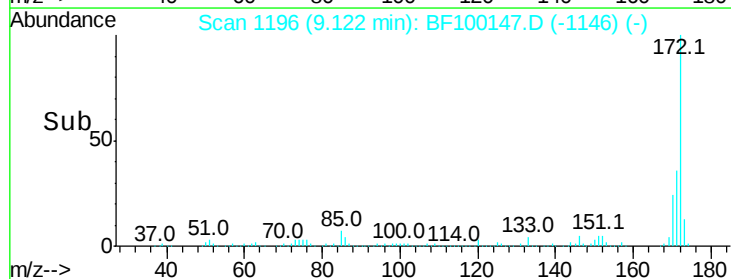
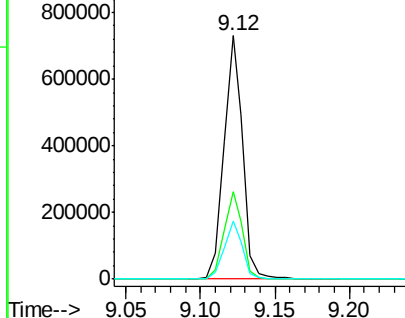


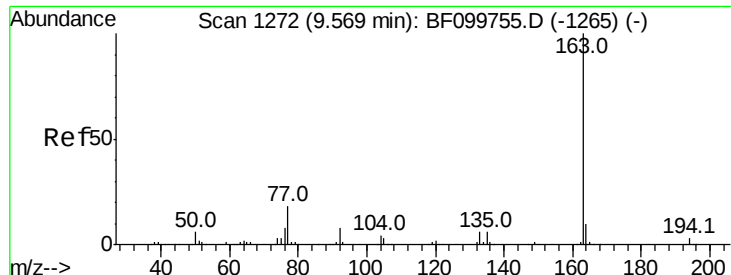
#44
 2-Fluorobiphenyl
 Concen: 57.187 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF100147.D
 Acq: 3 Nov 2017 20:59

Tgt Ion:172 Resp: 645959
 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

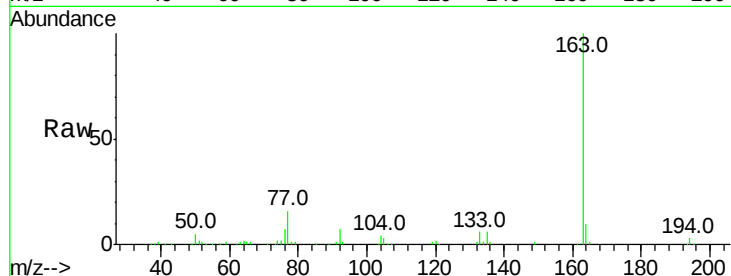




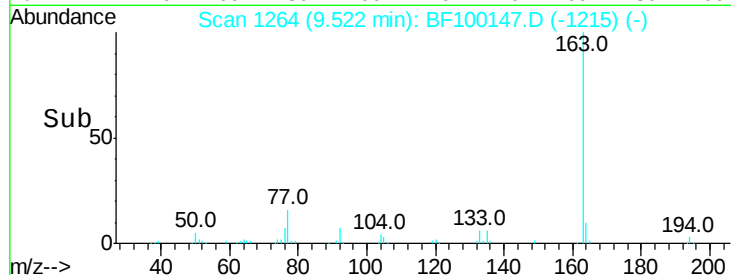
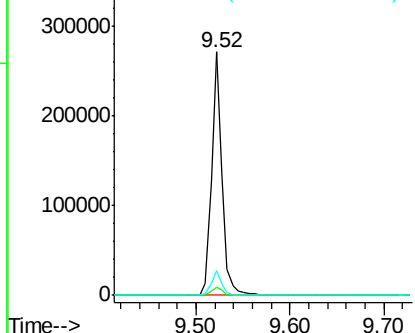
#49
Dimethylphthalate
Concen: 15.543 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF100147.D
Acq: 3 Nov 2017 20:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 214511
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.0 8.2 12.2



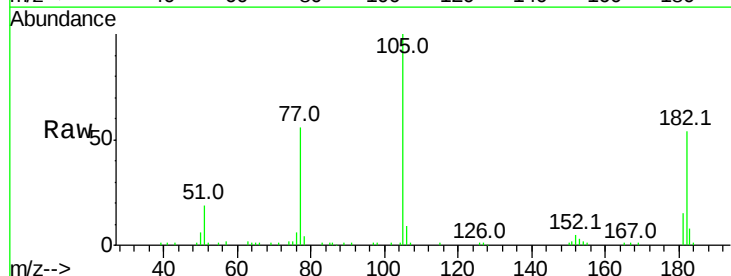
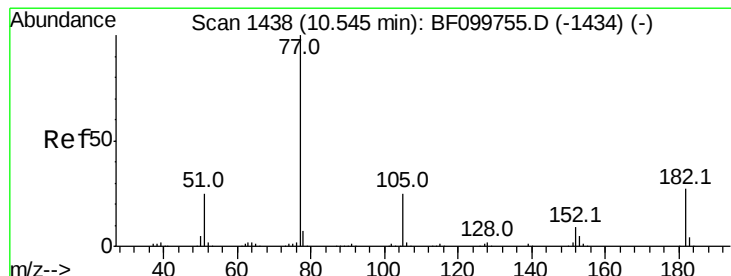
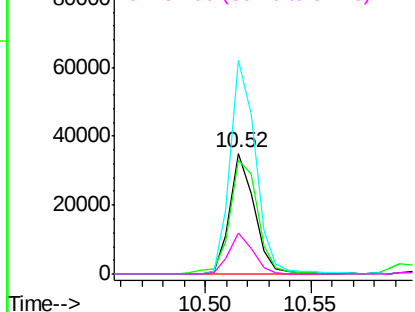
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

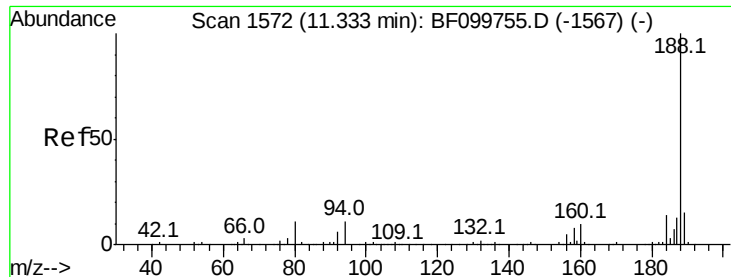


#62
Azobenzene
Concen: 2.504 ng
RT: 10.52 min Scan# 1433
Delta R.T. 0.01 min
Lab File: BF100147.D
Acq: 3 Nov 2017 20:59

Tgt Ion: 77 Resp: 28286
Ion Ratio Lower Upper
77 100
182 95.1 1.7 41.7#
105 177.2 3.0 43.0#
51 33.8 9.9 49.9

Abundance Ion 77.00 (76.70 to 77.70): BF1
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): BF1

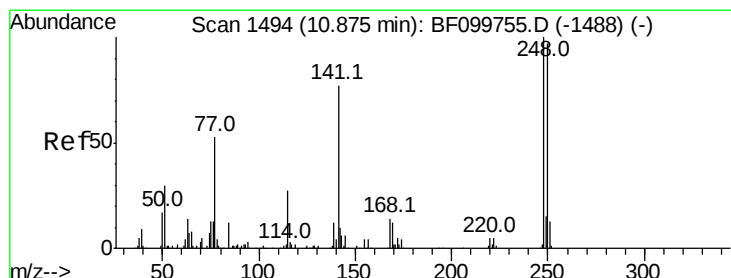
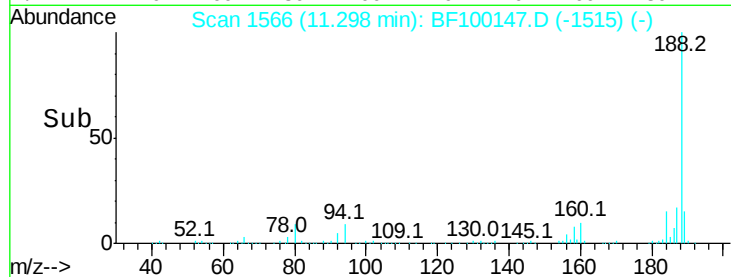
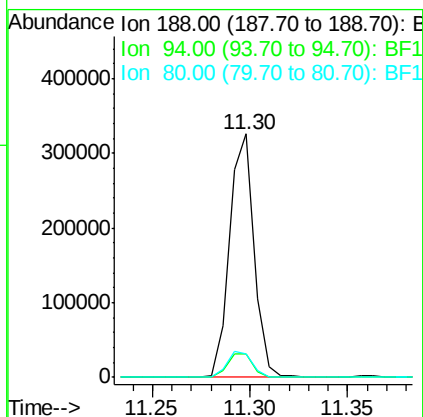
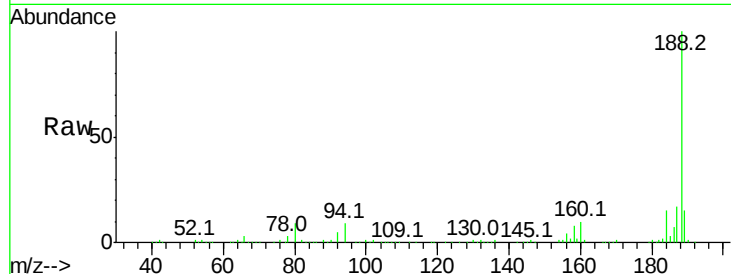




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. 0.00 min
Lab File: BF100147.D
Acq: 3 Nov 2017 20:59

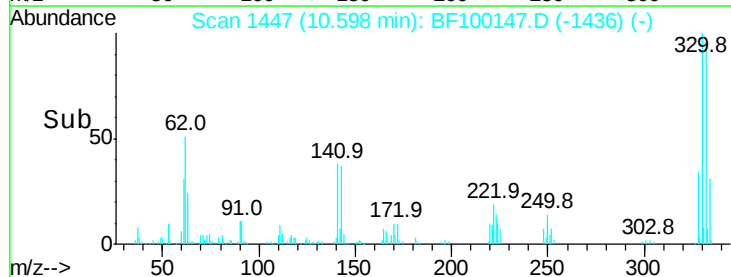
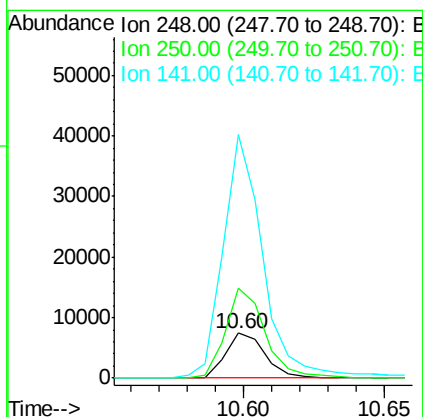
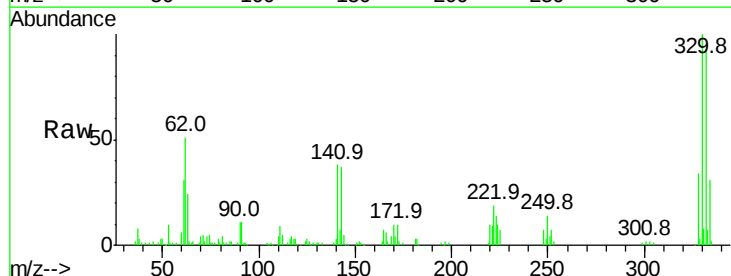
Instrument :
BNA_F
ClientSampleId :

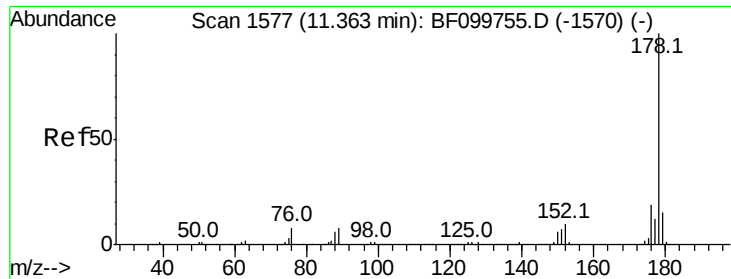
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.5	12.7
80	9.5	9.2	13.8



#66
4-Bromophenyl-phenylether
Concen: 2.417 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.24 min
Lab File: BF100147.D
Acq: 3 Nov 2017 20:59

Tgt Ion	Ratio	Lower	Upper
248	100		
250	199.8	76.9	115.3#
141	539.1	74.4	111.6#

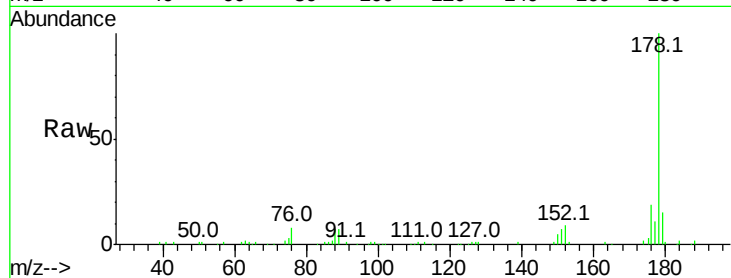




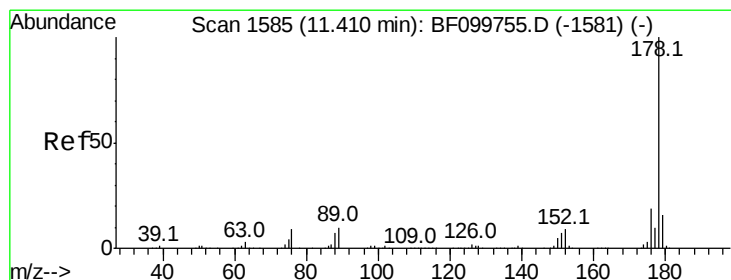
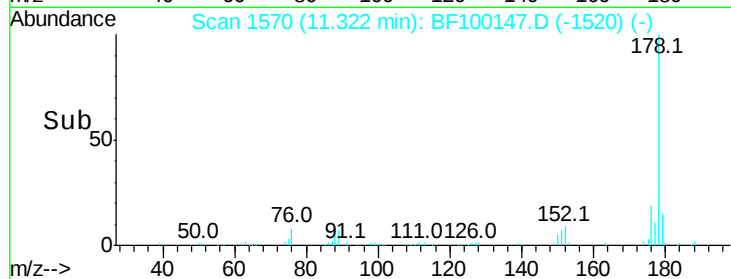
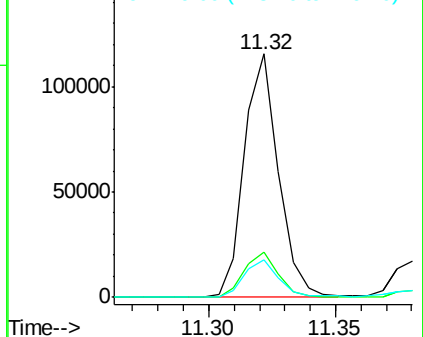
#70
Phenanthrene
Concen: 6.779 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF100147.D
Acq: 3 Nov 2017 20:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 108371
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.8
179 15.2 13.0 19.6

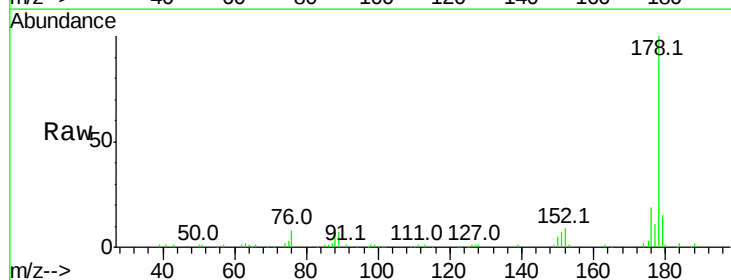


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

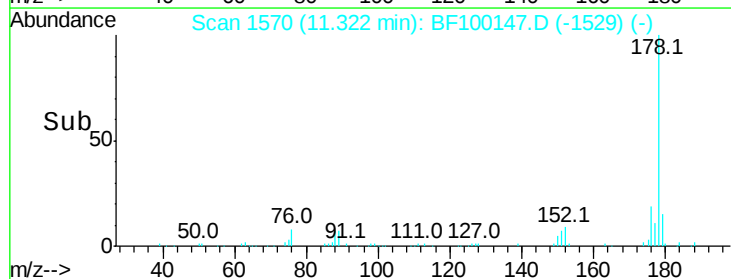
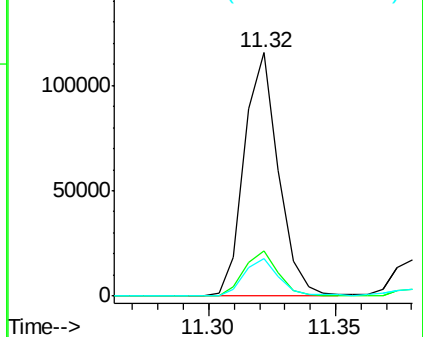


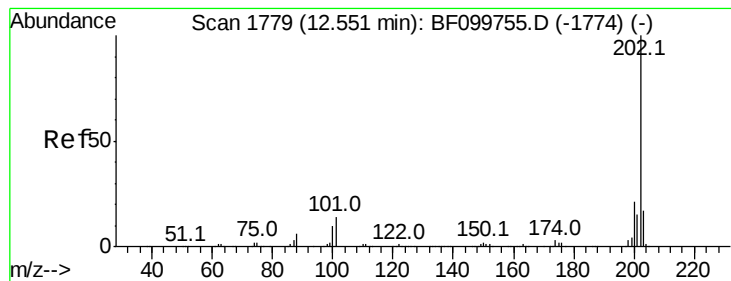
#71
Anthracene
Concen: 6.679 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.06 min
Lab File: BF100147.D
Acq: 3 Nov 2017 20:59

Tgt Ion:178 Resp: 108371
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 15.2 12.6 19.0



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: 5.550 ng

RT: 12.52 min Scan# 1773

Delta R.T. 0.00 min

Lab File: BF100147.D

Acq: 3 Nov 2017 20:59

Instrument :

BNA_F

ClientSampleId :

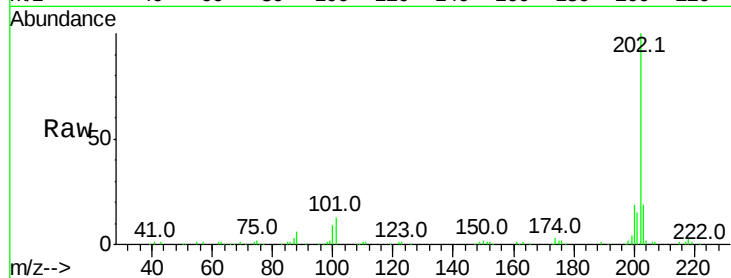
Tot Ion:202 Resp: 92207

Ion Ratio Lower Upper

202 100

101 13.2 0.0 34.1

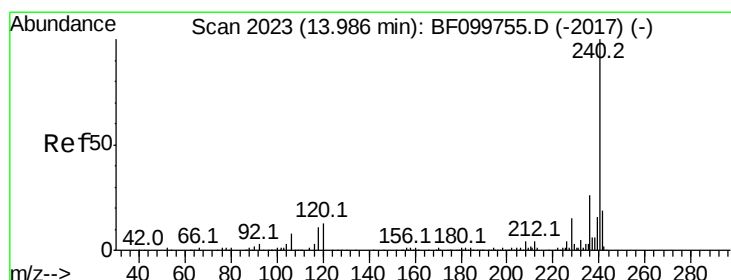
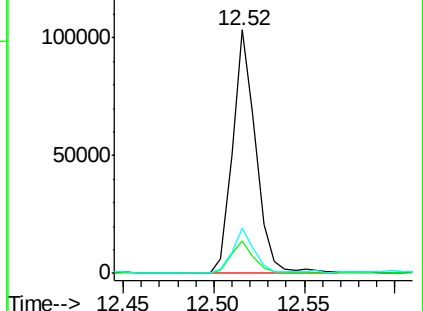
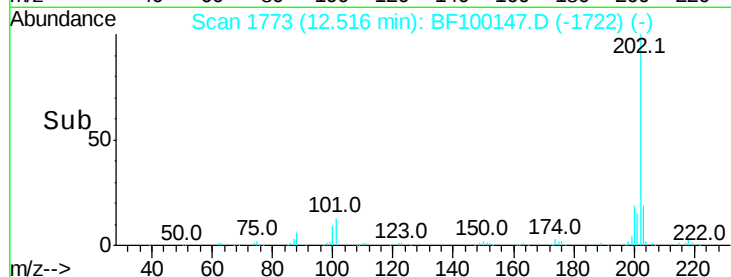
203 18.8 0.0 38.1



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: 13.95 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BF100147.D

Acq: 3 Nov 2017 20:59

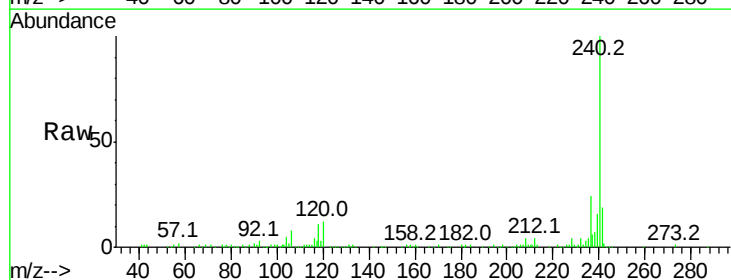
Tgt Ion:240 Resp: 148389

Ion Ratio Lower Upper

240 100

120 11.8 9.5 14.3

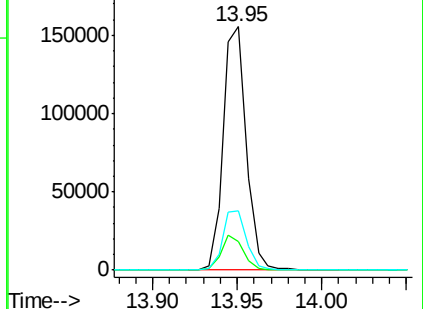
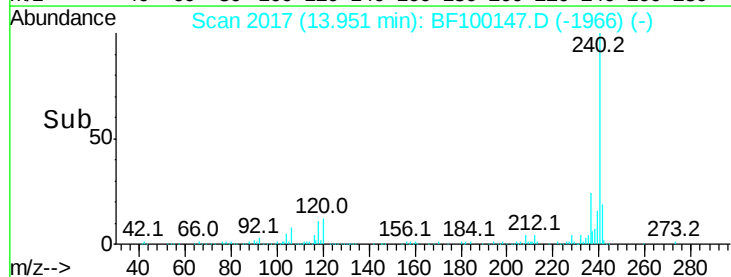
236 24.3 20.7 31.1

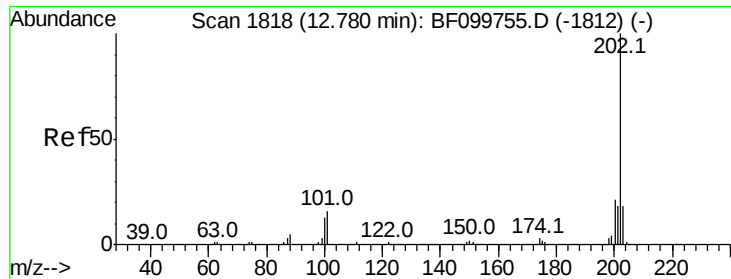


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

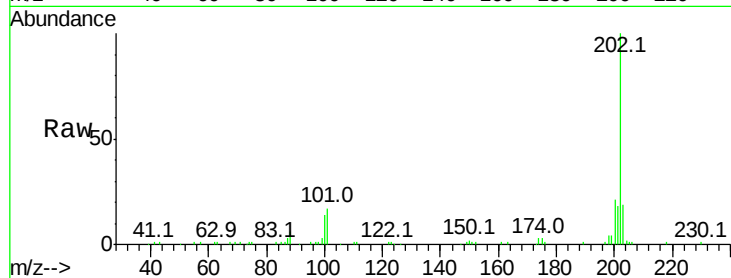




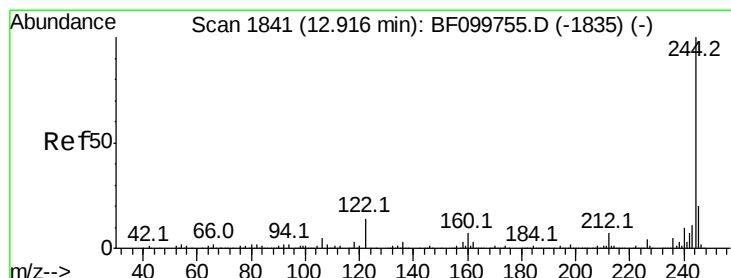
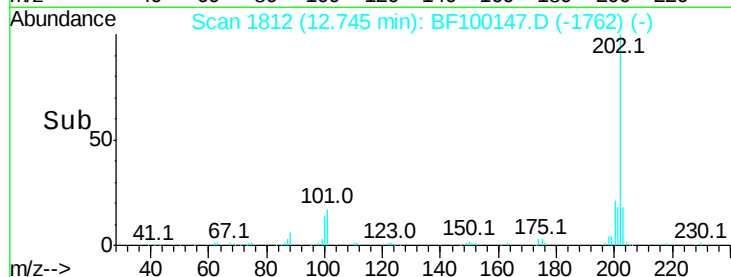
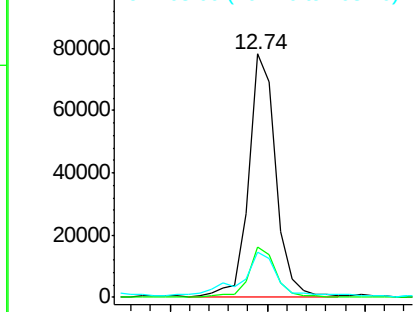
#77
Pvrene
Concen: 6.699 ng
RT: 12.74 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF100147.D
Acq: 3 Nov 2017 20:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 75587
Ion Ratio Lower Upper
202 100
200 20.9 17.4 26.2
203 18.8 14.3 21.5

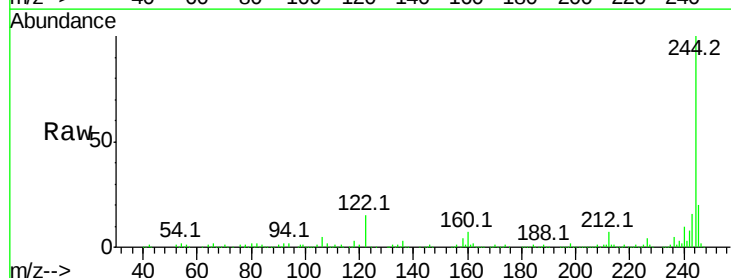


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

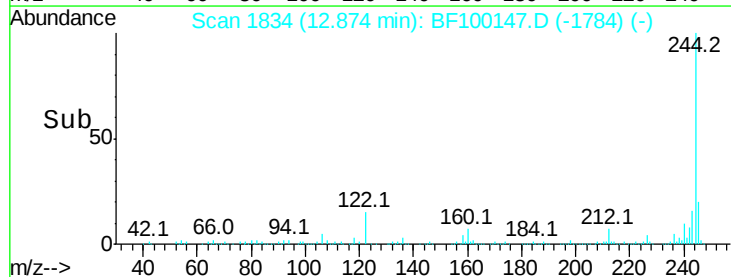
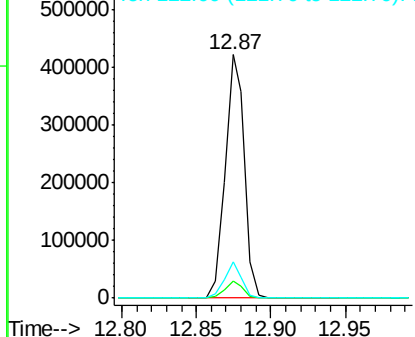


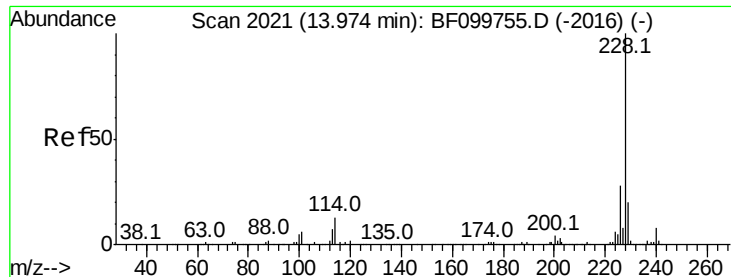
#78
Terphenyl-d14
Concen: 56.415 ng
RT: 12.87 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BF100147.D
Acq: 3 Nov 2017 20:59

Tgt Ion:244 Resp: 383063
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.0
122 14.6 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: 3.137 ng

RT: 13.94 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BF100147.D

Acq: 3 Nov 2017 20:59

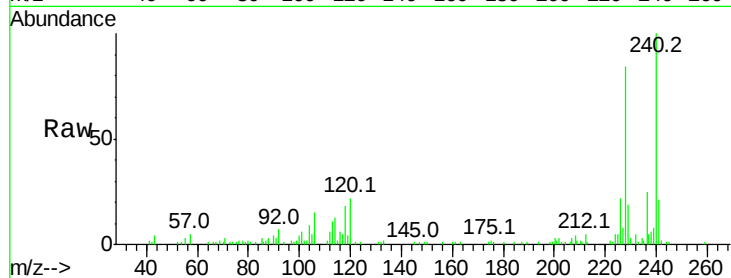
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 29511

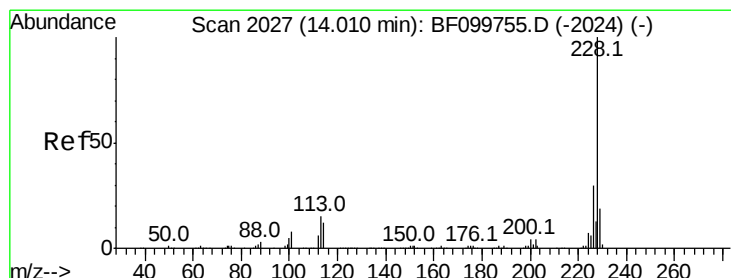
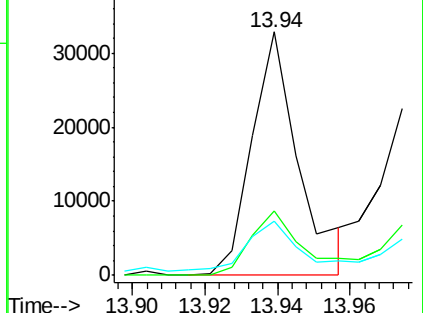
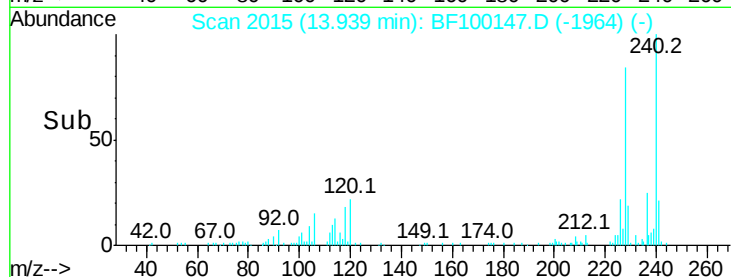
Ion	Ratio	Lower	Upper
228	100		
226	26.5	22.6	33.8
229	22.1	15.8	23.6



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: 3.242 ng

RT: 13.98 min Scan# 2022

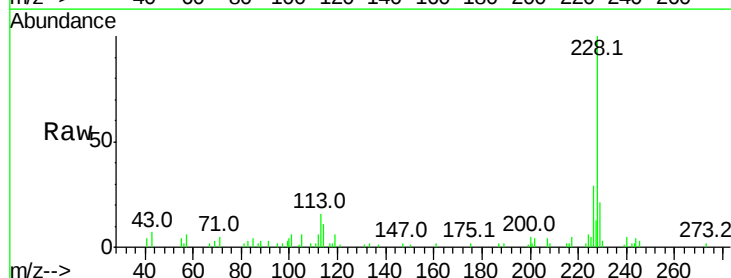
Delta R.T. 0.00 min

Lab File: BF100147.D

Acq: 3 Nov 2017 20:59

Tgt Ion:228 Resp: 28673

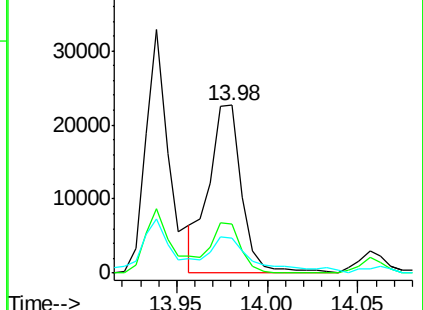
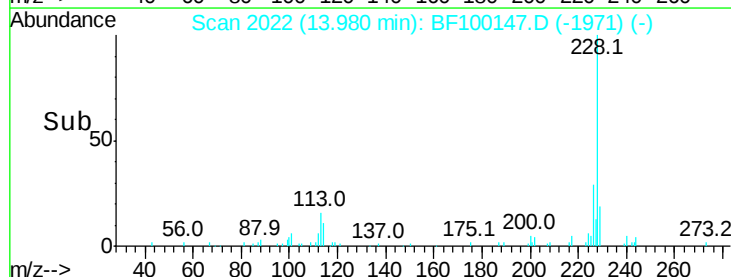
Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.0	37.6
229	21.0	16.2	24.4

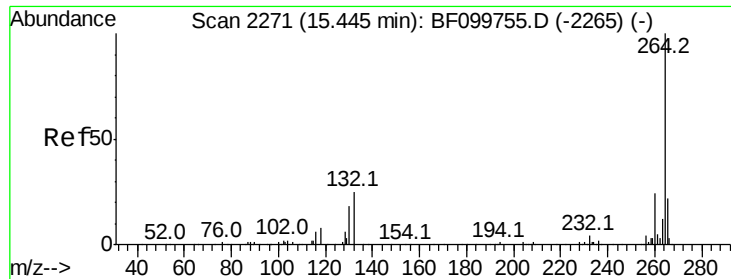


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

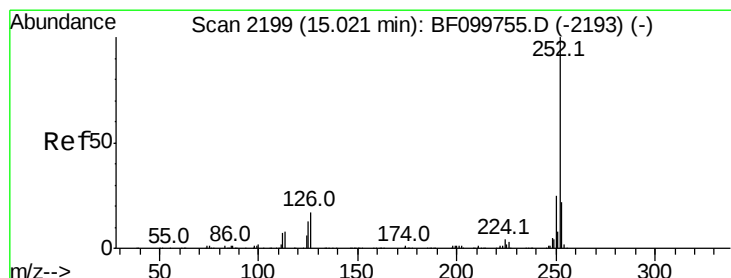
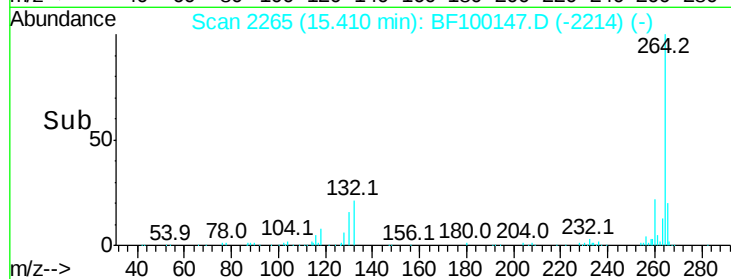
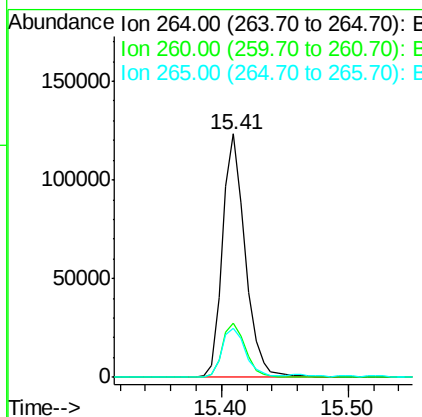
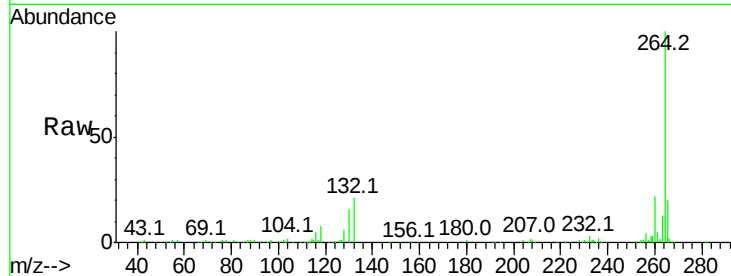




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.00 min
Lab File: BF100147.D
Acq: 3 Nov 2017 20:59

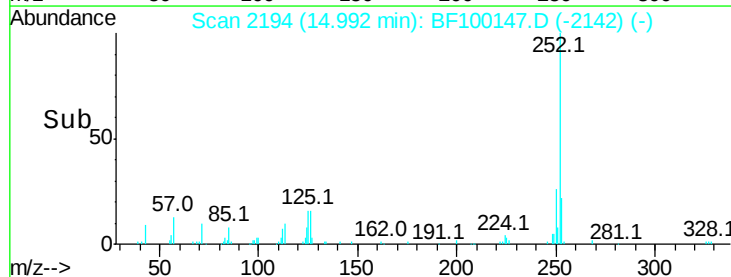
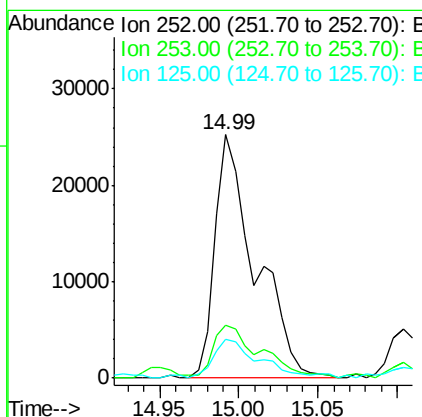
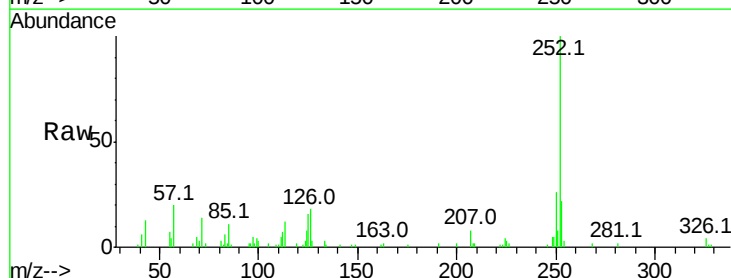
Instrument :
BNA_F
ClientSampleId :

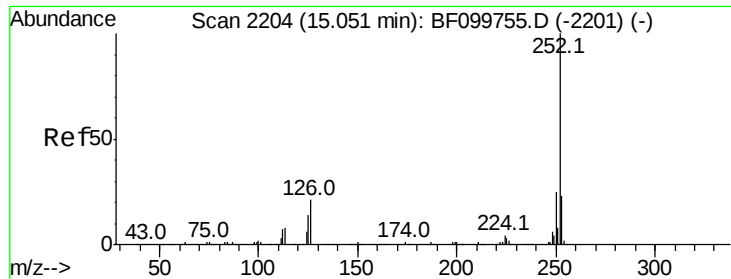
Tot Ion:264 Resp: 153356
Ion Ratio Lower Upper
264 100
260 22.3 19.2 28.8
265 20.2 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.646 ng
RT: 14.99 min Scan# 2194
Delta R.T. 0.01 min
Lab File: BF100147.D
Acq: 3 Nov 2017 20:59

Tgt Ion:252 Resp: 44995
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.6
125 16.1 9.0 13.6#

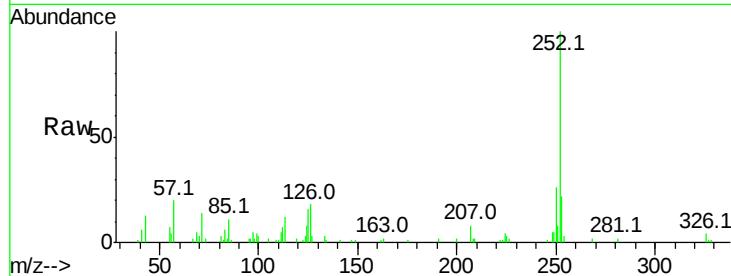




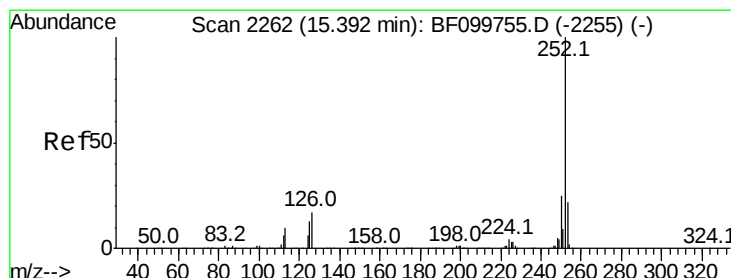
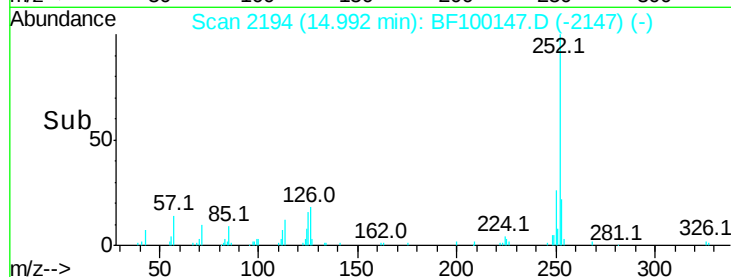
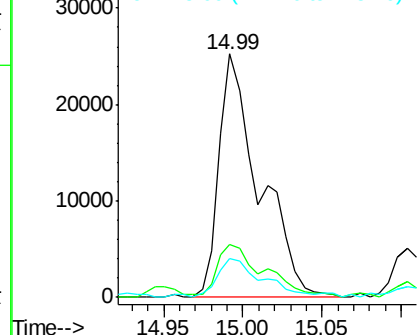
#88
Benzo(k)fluoranthene
Concen: 4.927 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF100147.D
Acq: 3 Nov 2017 20:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 44995
Ion Ratio Lower Upper
252 100
253 21.8 17.9 26.9
125 16.1 10.2 15.2#

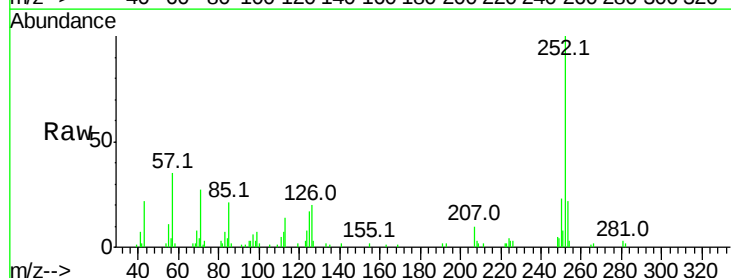


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 3.150 ng
RT: 15.36 min Scan# 2256
Delta R.T. 0.01 min
Lab File: BF100147.D
Acq: 3 Nov 2017 20:59

Tgt Ion:252 Resp: 27397
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 16.9 9.8 14.6#



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

