

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110317\
 Data File : BF100144.D
 Acq On : 3 Nov 2017 19:37
 Operator : SJ/JU
 Sample : I6079-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 03 23:14:08 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	92322	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	387679	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	173977	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	289510	20.00	ng	0.00
75) Chrysene-d12	13.95	240	153197	20.00	ng	0.00
86) Perylene-d12	15.41	264	151680	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	576239	97.99	ng	0.00
7) Phenol-d6	6.42	99	703881	100.95	ng	0.00
23) Nitrobenzene-d5	7.34	82	402765	66.89	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	147925	93.30	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	773014	68.55	ng	0.00
78) Terphenyl-d14	12.88	244	514935	73.46	ng	0.00

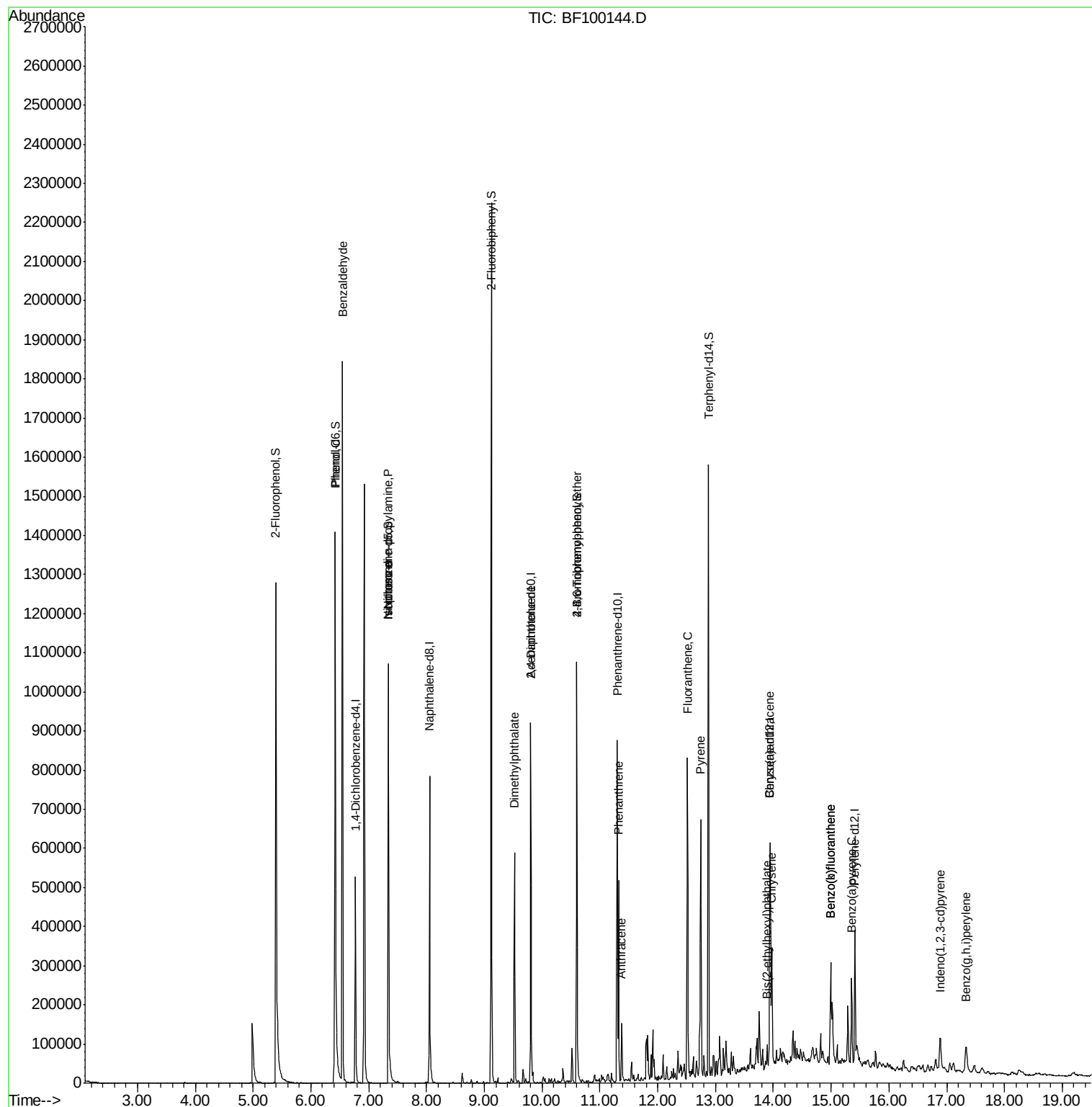
Target Compounds				Qvalue		
9) Benzaldehyde	6.55	77	10183	2.444	ng	95
10) Phenol	6.43	94	47350	6.185	ng	86
19) n-Nitroso-di-n-propylamine	7.34	70	49861	12.203	ng	# 72
25) Isophorone	7.34	82	402765	36.860	ng	# 64
49) Dimethylphthalate	9.52	163	241540	17.531	ng	100
56) 2,4-Dinitrotoluene	9.80	165	22855	6.552	ng	# 22
66) 4-Bromophenyl-phenylether	10.60	248	9623	3.157	ng	# 1
70) Phenanthrene	11.32	178	189970	11.627	ng	97
71) Anthracene	11.38	178	68364	4.122	ng	97
74) Fluoranthene	12.52	202	312276	18.391	ng	97
77) Pyrene	12.74	202	259218	22.252	ng	98
80) Benzo(a)anthracene	13.94	228	123915	12.759	ng	99
82) Chrysene	13.97	228	107321	11.754	ng	99
83) Bis(2-ethylhexyl)phthalate	13.90	149	17104	2.123	ng	99
85) Indeno(1,2,3-cd)pyrene	16.89	276	62230	7.424	ng	93
87) Benzo(b)fluoranthene	14.99	252	171406	17.896	ng	# 96
88) Benzo(k)fluoranthene	14.99	252	171406	18.978	ng	98
89) Benzo(a)pyrene	15.36	252	99618	11.579	ng	97
91) Benzo(a,h,i)perylene	17.34	276	55497	7.420	ng	97

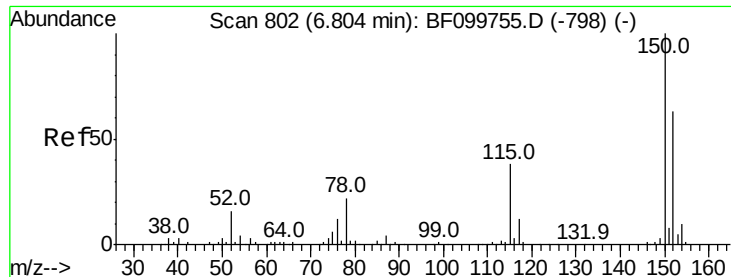
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110317\
Data File : BF100144.D
Acq On : 3 Nov 2017 19:37
Operator : SJ/JU
Sample : I6079-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Nov 03 23:14:08 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



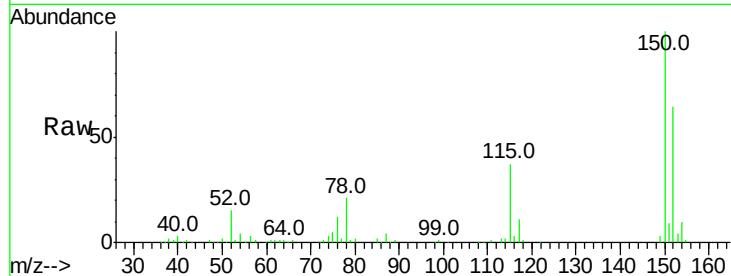


#1

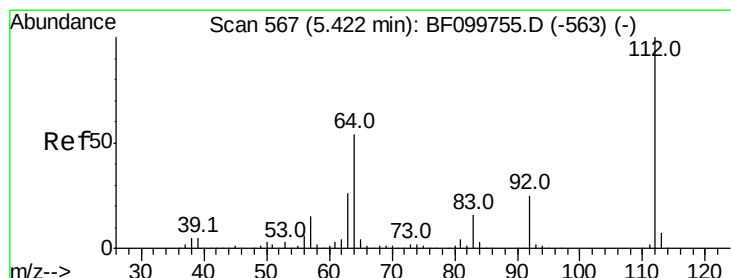
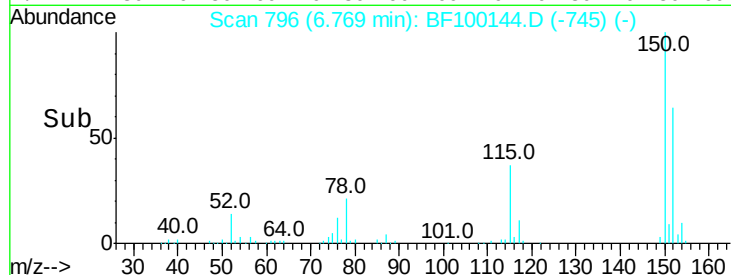
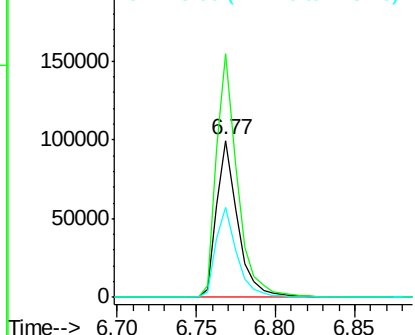
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.77 min Scan# 796
 Delta R.T. 0.00 min
 Lab File: BF100144.D
 Acq: 3 Nov 2017 19:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 92322
 Ion Ratio Lower Upper
 152 100
 150 155.2 124.6 186.8
 115 57.0 50.1 75.1



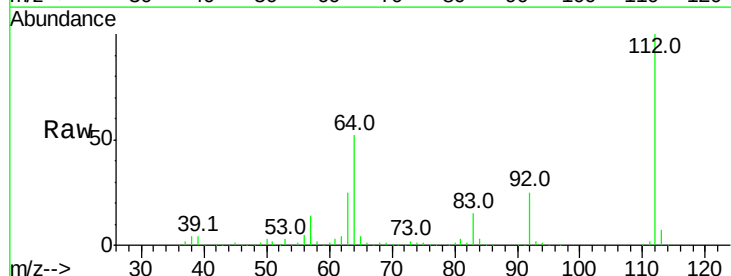
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



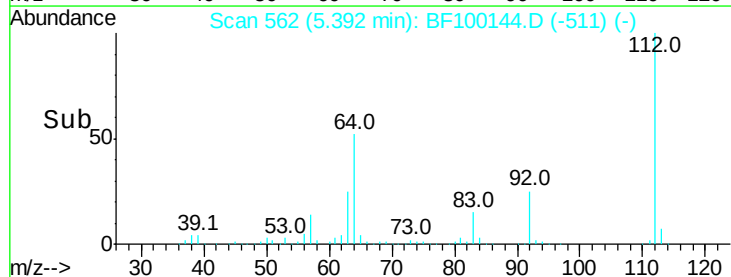
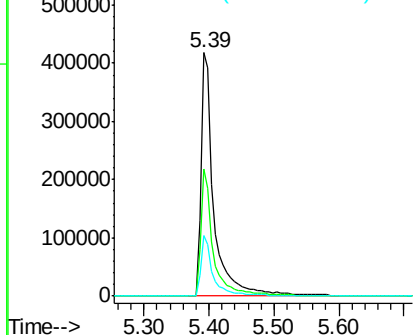
#5

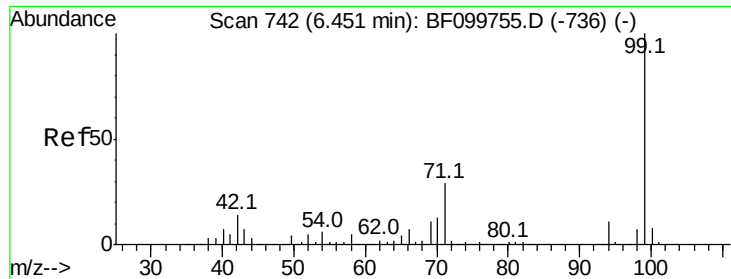
2-Fluorophenol
 Concen: 97.991 ng
 RT: 5.39 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: BF100144.D
 Acq: 3 Nov 2017 19:37

Tgt Ion:112 Resp: 576239
 Ion Ratio Lower Upper
 112 100
 64 52.1 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: 100.949 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF100144.D

Acq: 3 Nov 2017 19:37

Instrument :

BNA_F

ClientSampleId :

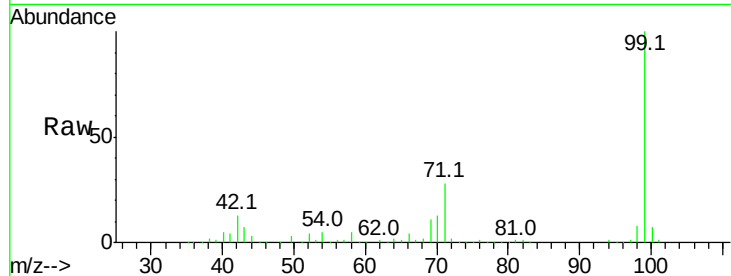
Tot Ion: 99 Resp: 703881

Ion Ratio Lower Upper

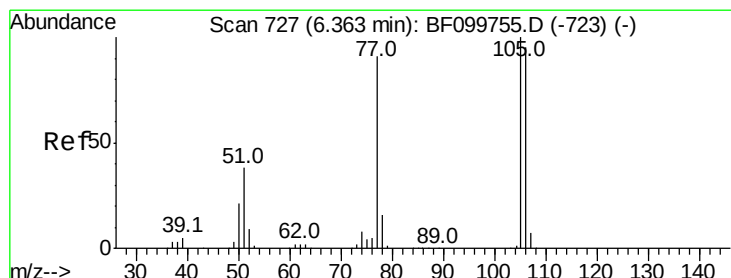
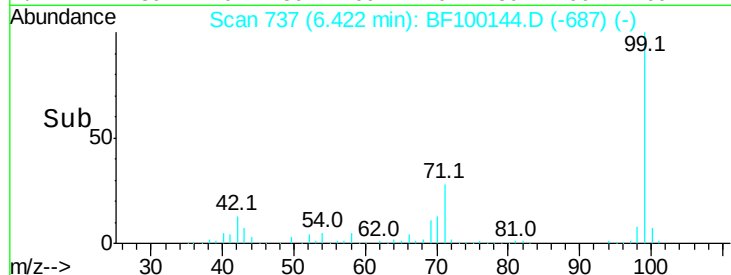
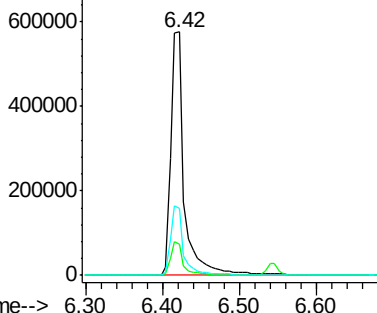
99 100

42 12.6 14.5 21.7#

71 27.6 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: 2.444 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.21 min

Lab File: BF100144.D

Acq: 3 Nov 2017 19:37

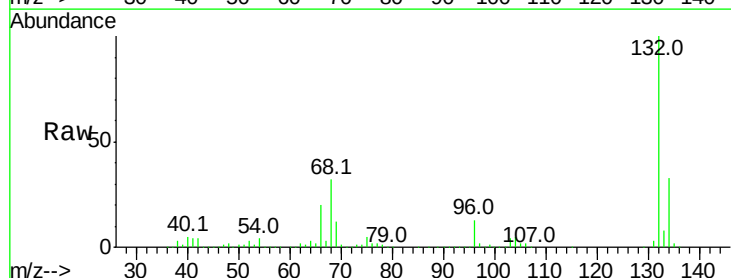
Tgt Ion: 77 Resp: 10183

Ion Ratio Lower Upper

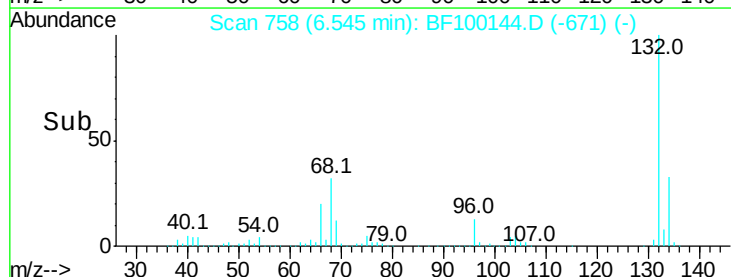
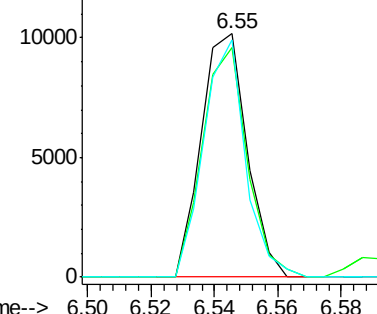
77 100

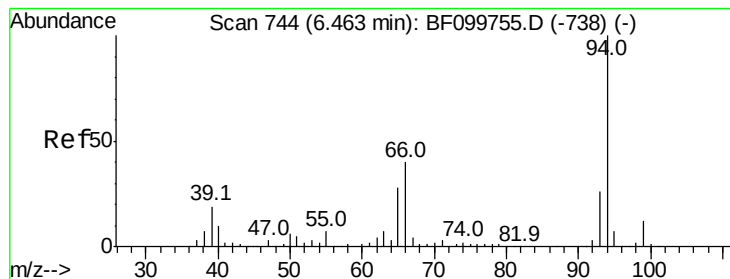
105 94.4 81.1 121.1

106 97.5 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: 6.185 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF100144.D

Acq: 3 Nov 2017 19:37

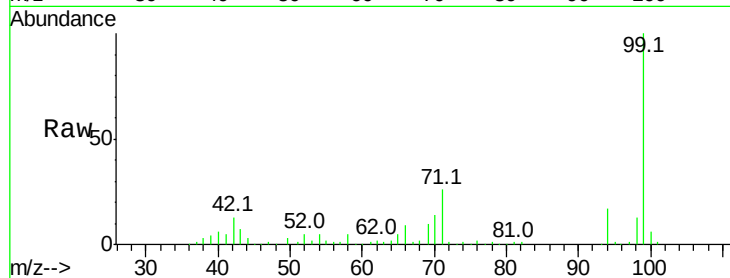
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 94 Resp: 47350

Ion	Ratio	Lower	Upper
94	100		
65	29.0	7.9	47.9
66	50.2	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

150000

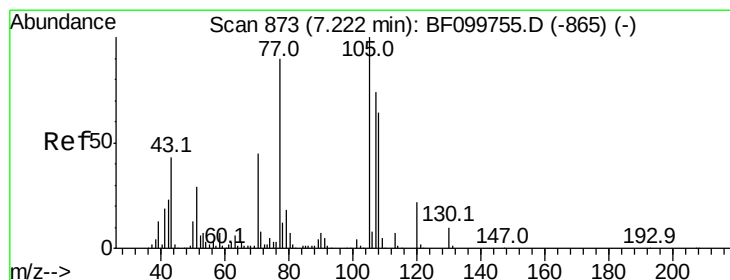
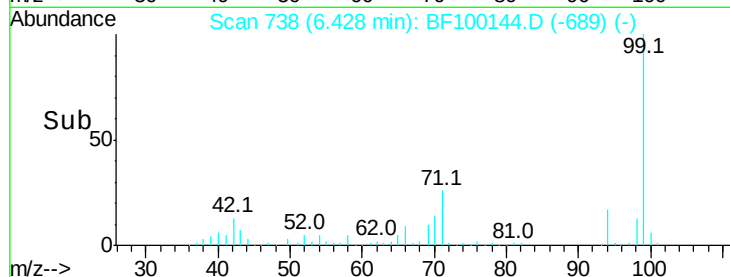
100000

50000

0

6.35 6.40 6.45 6.50 6.55

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 12.203 ng

RT: 7.34 min Scan# 893

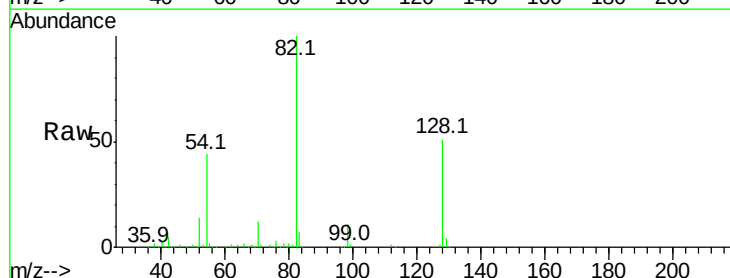
Delta R.T. 0.15 min

Lab File: BF100144.D

Acq: 3 Nov 2017 19:37

Tgt Ion: 70 Resp: 49861

Ion	Ratio	Lower	Upper
70	100		
42	40.7	47.5	71.3#
101	0.0	7.4	11.2#
130	2.5	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

60000

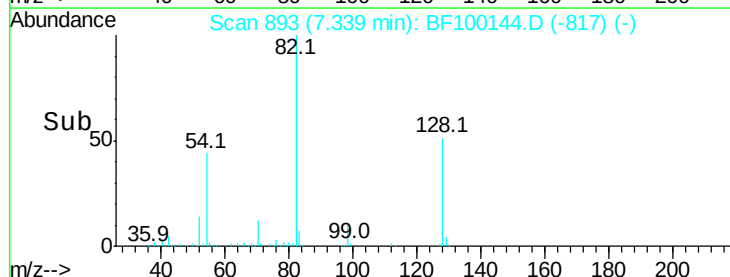
40000

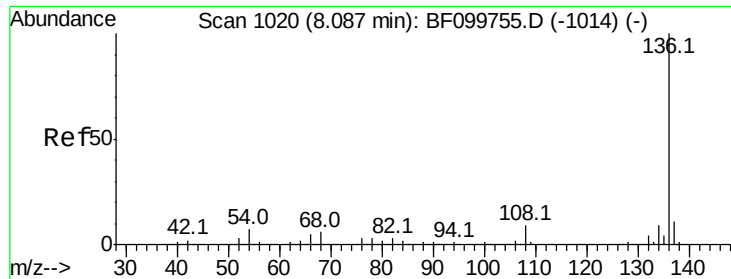
20000

0

7.30 7.35 7.40 7.45

Time-->

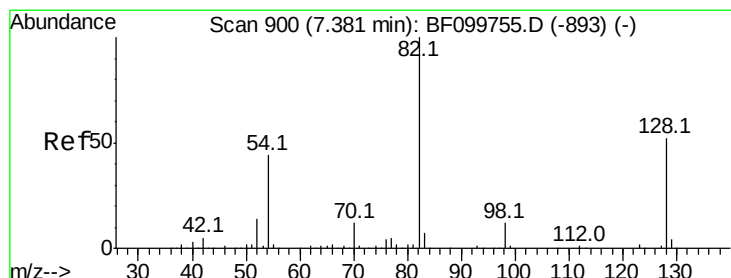
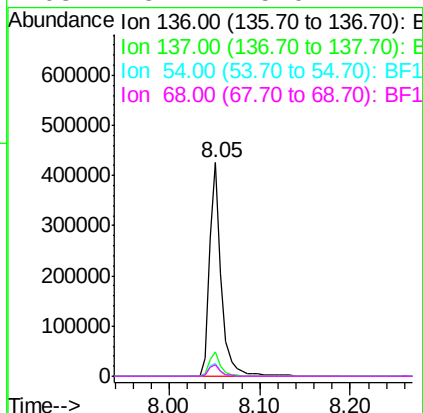
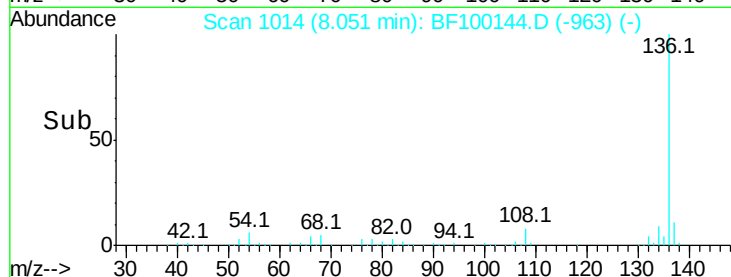
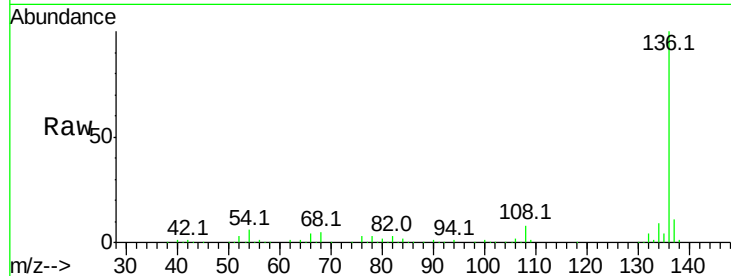




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF100144.D
Acq: 3 Nov 2017 19:37

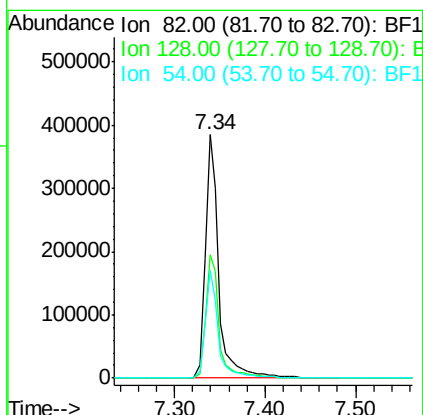
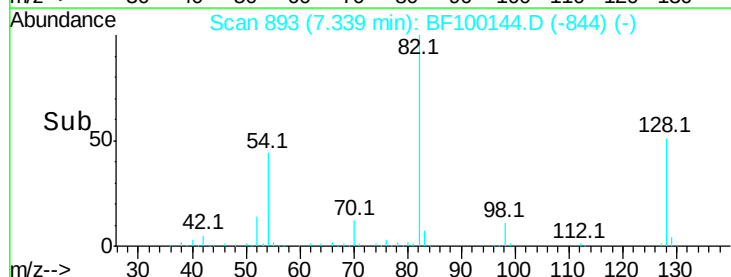
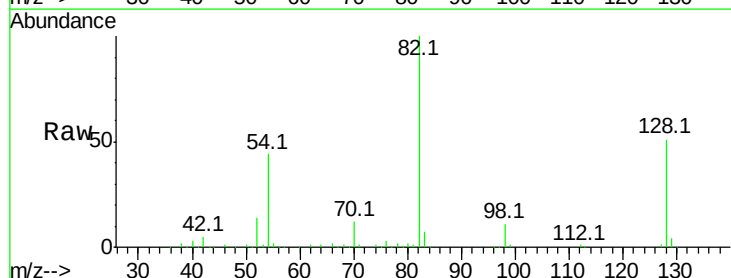
Instrument :
BNA_F
ClientSampleId :

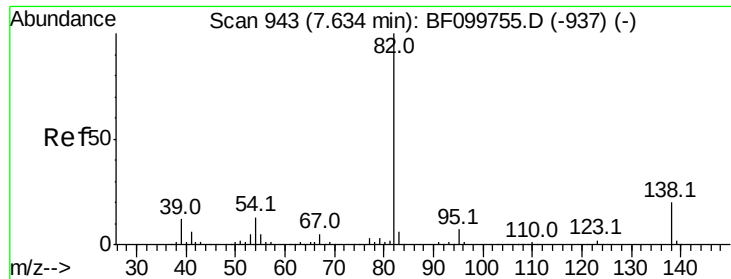
Tot Ion:	136	Resp:	387679
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.3	6.6	9.8#
68	5.2	5.0	7.4



#23
Nitrobenzene-d5
Concen: 66.886 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF100144.D
Acq: 3 Nov 2017 19:37

Tgt Ion:	82	Resp:	402765
Ion	Ratio	Lower	Upper
82	100		
128	50.5	36.1	54.1
54	44.3	41.4	62.2





#25

Isophorone

Concen: 36.860 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.26 min

Lab File: BF100144.D

Acq: 3 Nov 2017 19:37

Instrument :

BNA_F

ClientSampled :

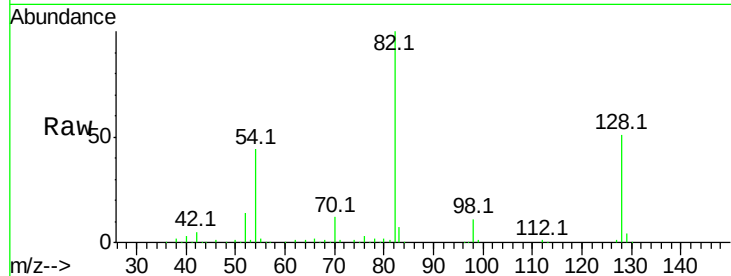
Tot Ion: 82 Resp: 402765

Ion Ratio Lower Upper

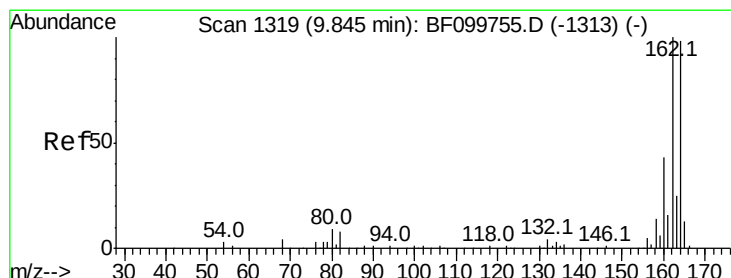
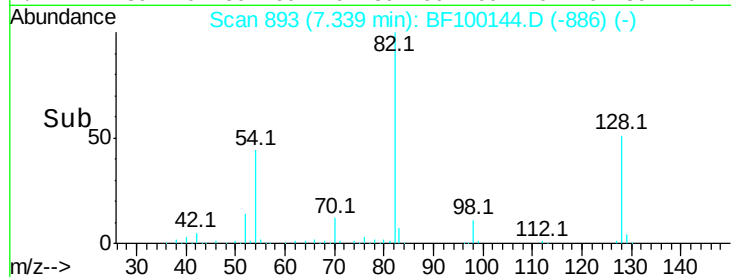
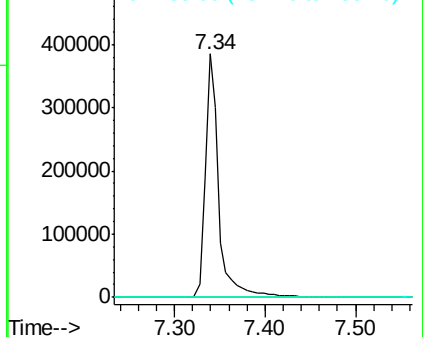
82 100

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# 1312

Delta R.T. -0.01 min

Lab File: BF100144.D

Acq: 3 Nov 2017 19:37

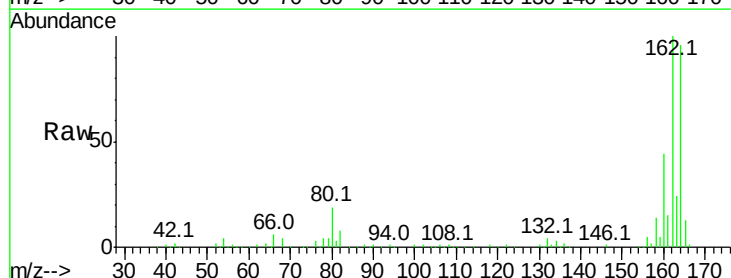
Tgt Ion:164 Resp: 173977

Ion Ratio Lower Upper

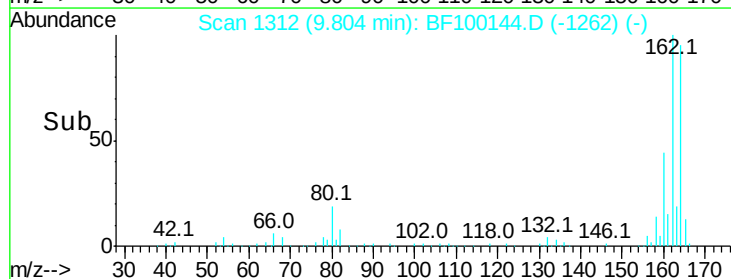
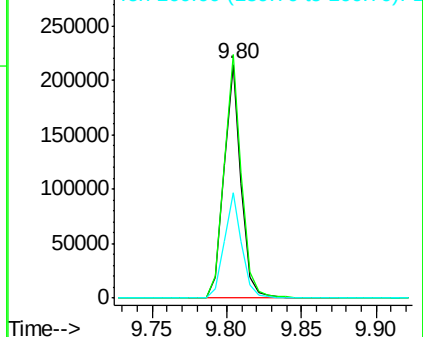
164 100

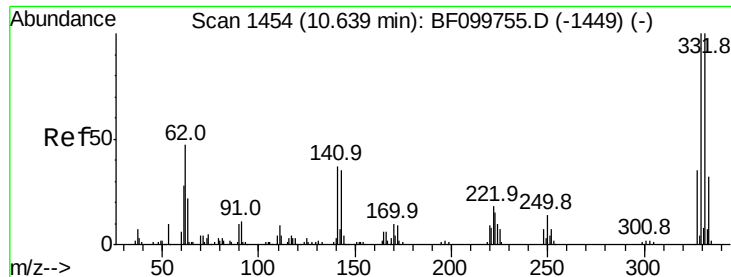
162 104.3 86.1 129.1

160 45.4 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

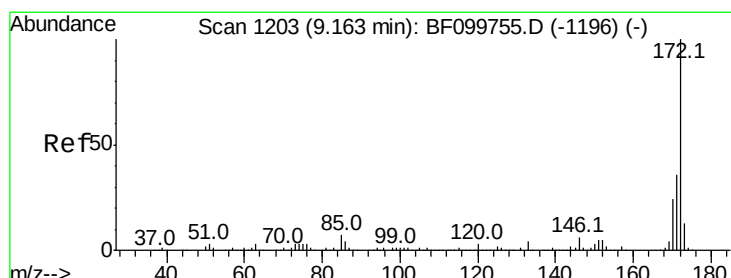
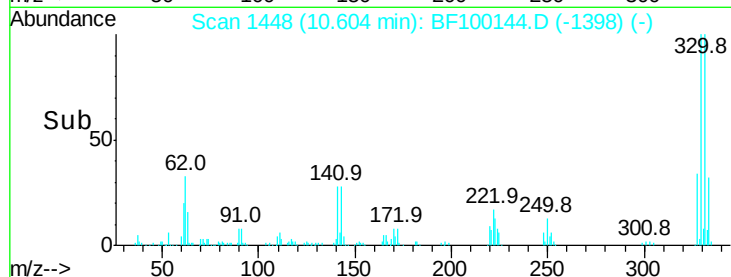
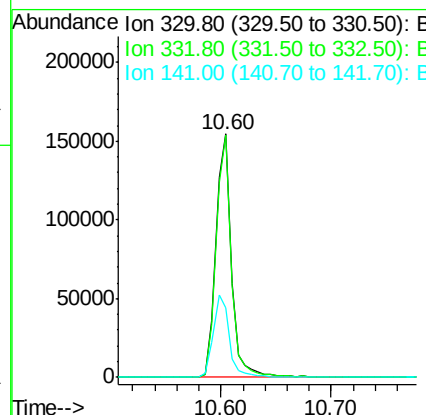
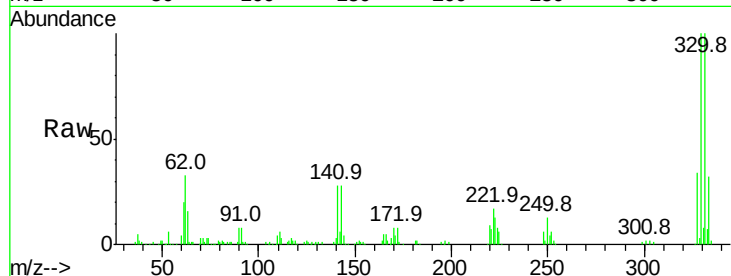




#41
 2,4,6-Tribromophenol
 Concen: 93.300 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF100144.D
 Acq: 3 Nov 2017 19:37

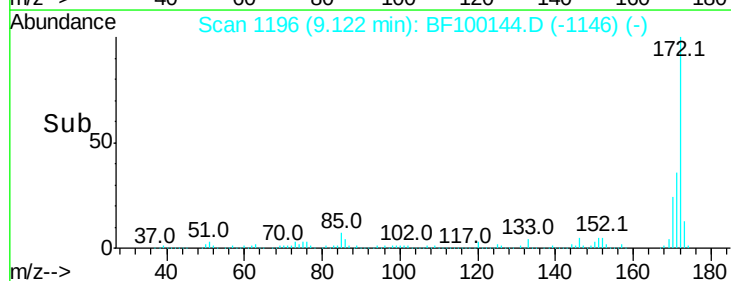
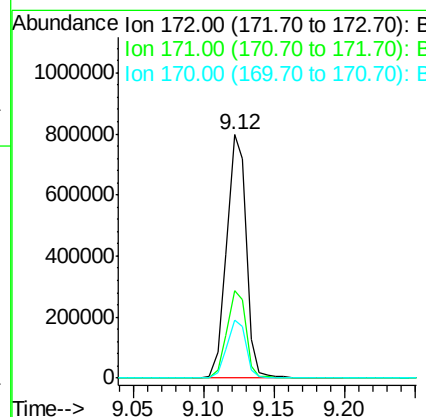
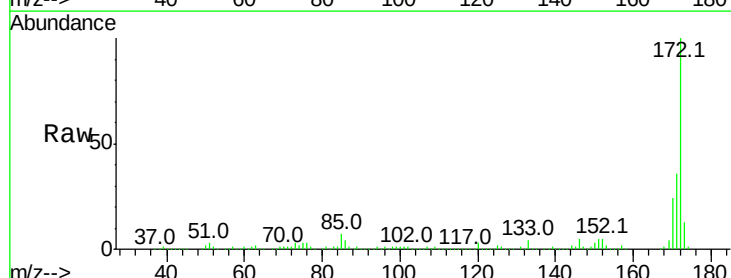
Instrument :
 BNA_F
 ClientSampled :

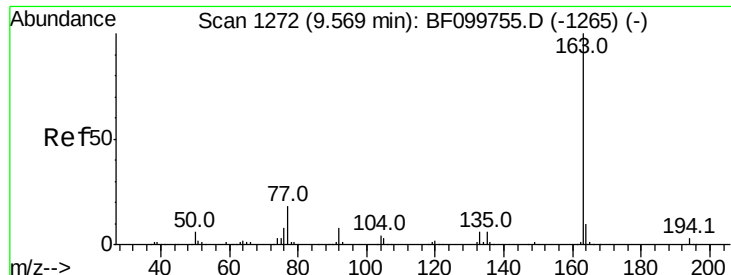
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.0	115.6
141	34.6	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 68.551 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF100144.D
 Acq: 3 Nov 2017 19:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.9	19.6	29.4

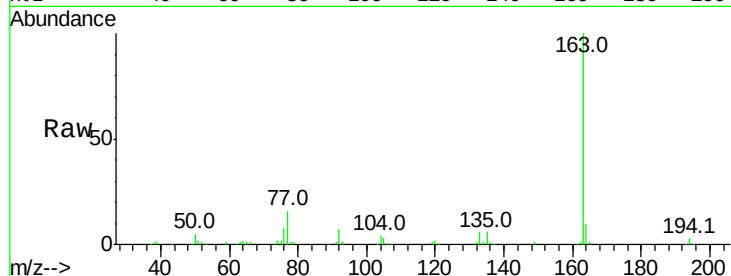




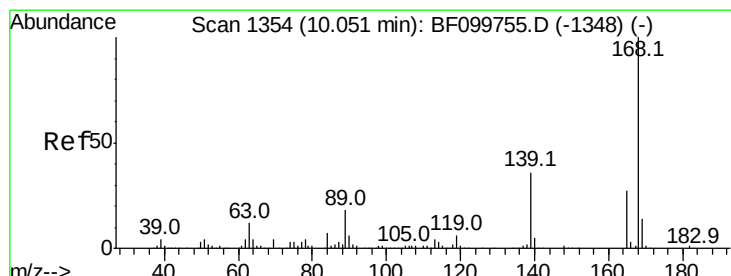
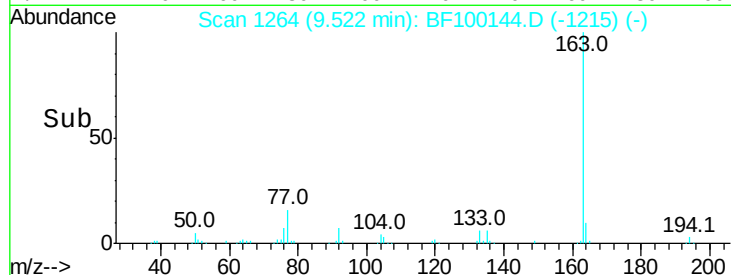
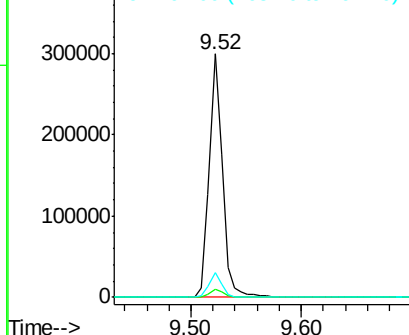
#49
Dimethylphthalate
Concen: 17.531 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF100144.D
Acq: 3 Nov 2017 19:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 241540
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.2 8.2 12.2

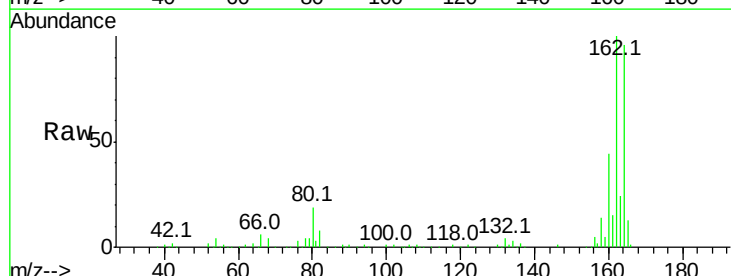


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

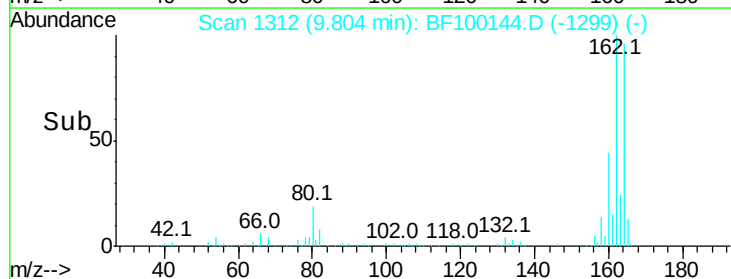
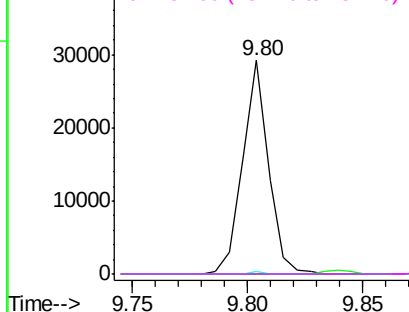


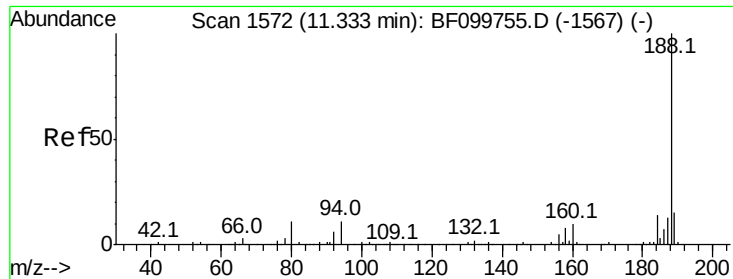
#56
2,4-Dinitrotoluene
Concen: 6.552 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.22 min
Lab File: BF100144.D
Acq: 3 Nov 2017 19:37

Tgt Ion:165 Resp: 22855
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 1.4 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

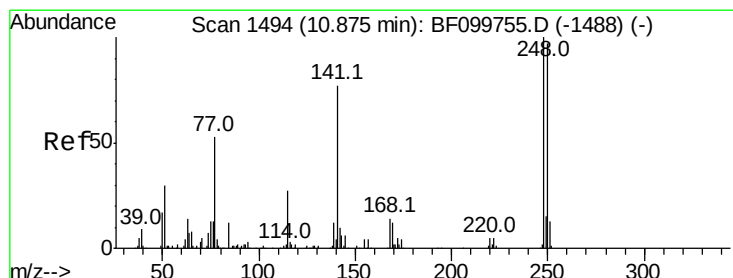
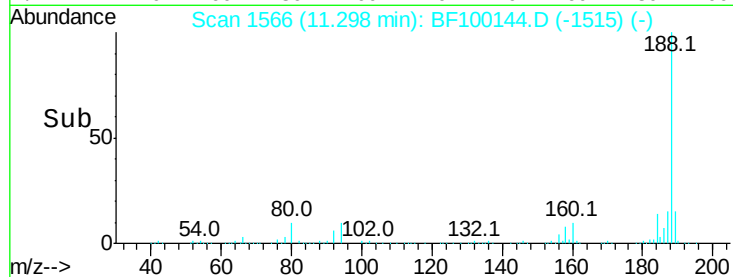
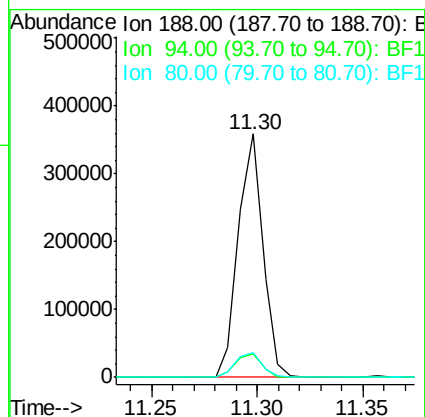
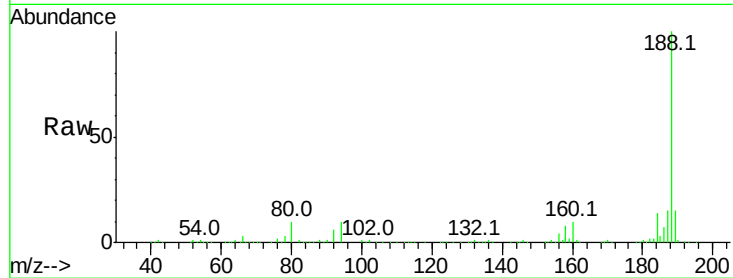




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: BF100144.D
 Acq: 3 Nov 2017 19:37

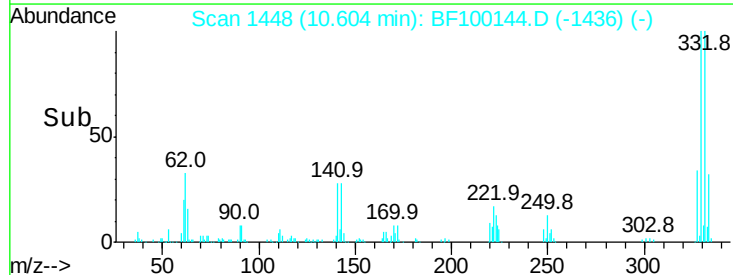
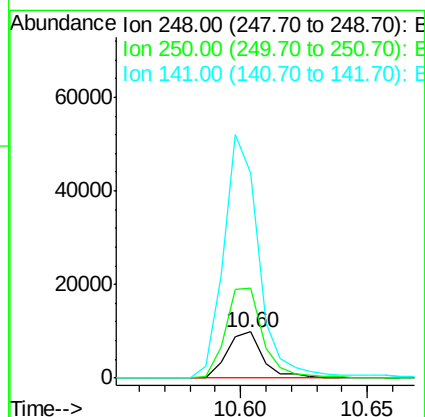
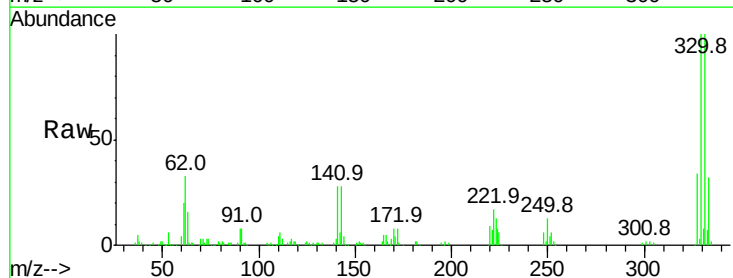
Instrument :
 BNA_F
 ClientSampled :

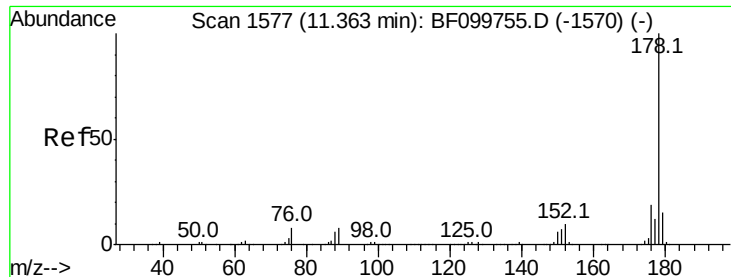
Tot Ion:188 Resp: 289510
 Ion Ratio Lower Upper
 188 100
 94 9.8 8.5 12.7
 80 10.2 9.2 13.8



#66
 4-Bromophenyl-phenylether
 Concen: 3.157 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.23 min
 Lab File: BF100144.D
 Acq: 3 Nov 2017 19:37

Tgt Ion:248 Resp: 9623
 Ion Ratio Lower Upper
 248 100
 250 195.5 76.9 115.3#
 141 442.0 74.4 111.6#

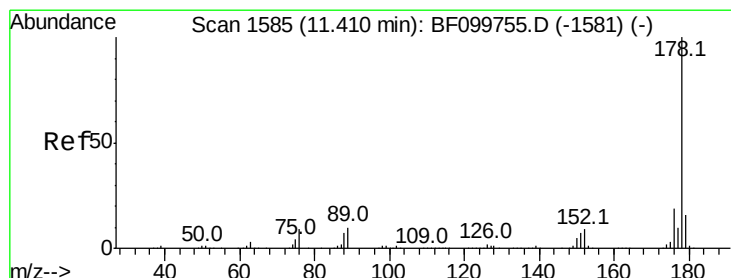
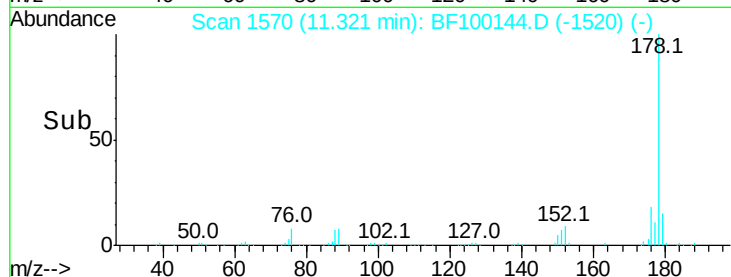
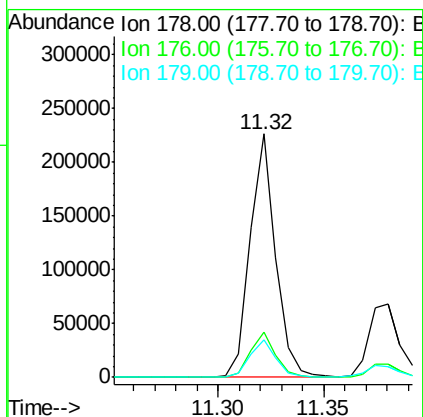
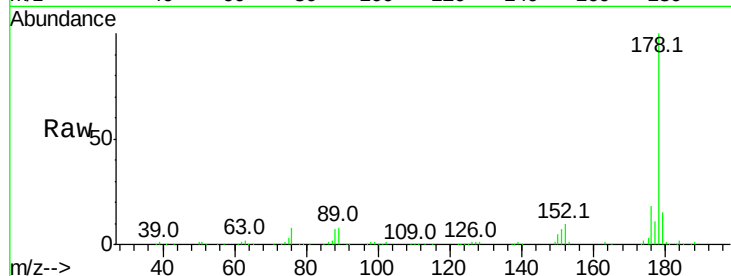




#70
 Phenanthrene
 Concen: 11.627 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF100144.D
 Acq: 3 Nov 2017 19:37

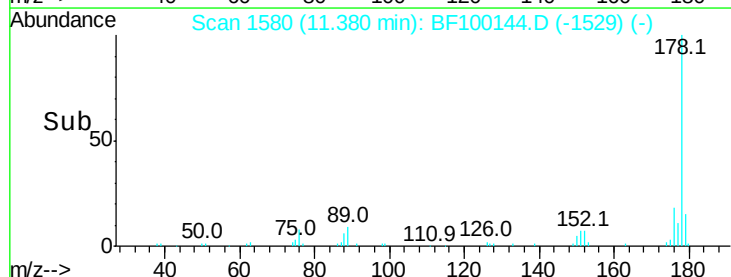
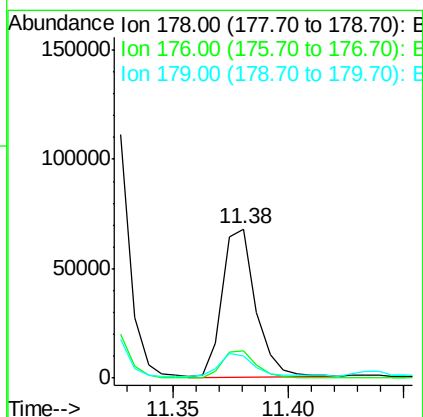
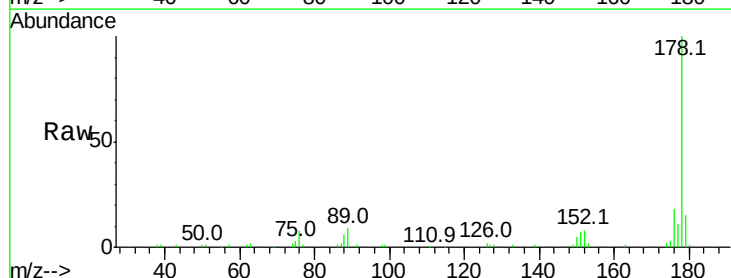
Instrument :
 BNA_F
 ClientSampleId :

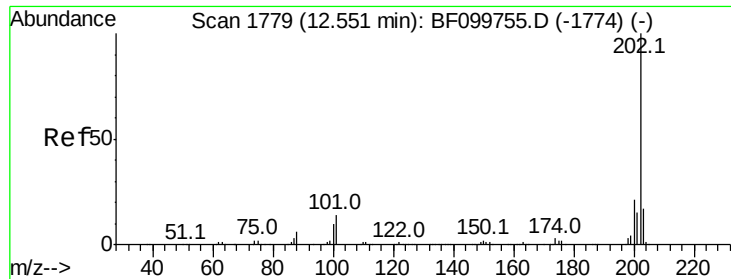
Tot Ion:178 Resp: 189970
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.8 23.8
 179 15.2 13.0 19.6



#71
 Anthracene
 Concen: 4.122 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BF100144.D
 Acq: 3 Nov 2017 19:37

Tgt Ion:178 Resp: 68364
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.4 23.2
 179 14.6 12.6 19.0





#74

Fluoranthene

Concen: 18.391 ng

RT: 12.52 min Scan# 1773

Delta R.T. 0.00 min

Lab File: BF100144.D

Acq: 3 Nov 2017 19:37

Instrument :

BNA_F

ClientSampled :

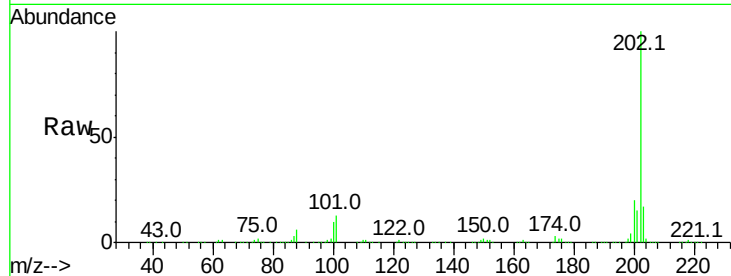
Tot Ion:202 Resp: 312276

Ion Ratio Lower Upper

202 100

101 12.5 0.0 34.1

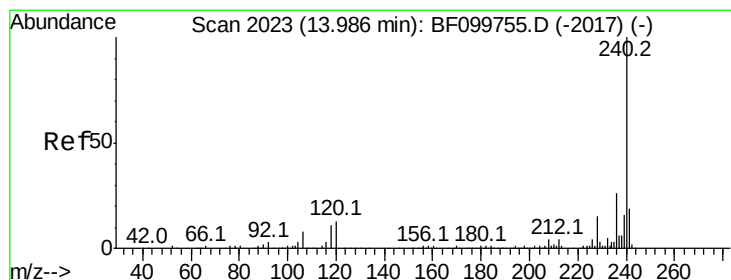
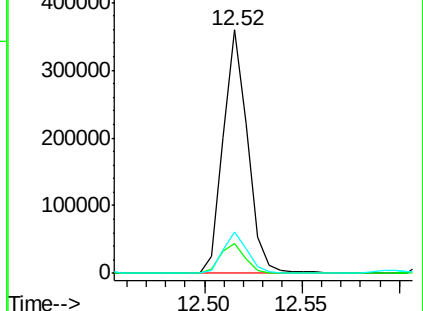
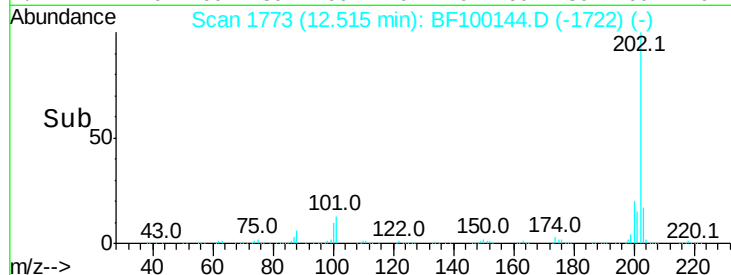
203 17.1 0.0 38.1



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: BF100144.D

Acq: 3 Nov 2017 19:37

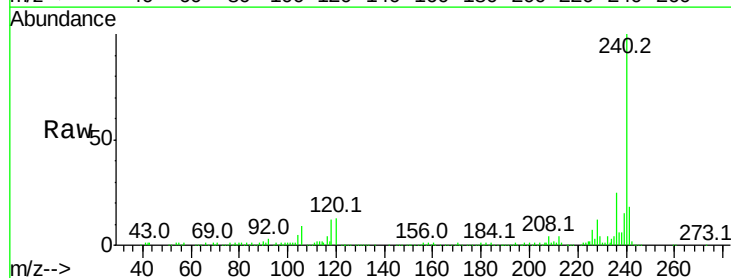
Tgt Ion:240 Resp: 153197

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

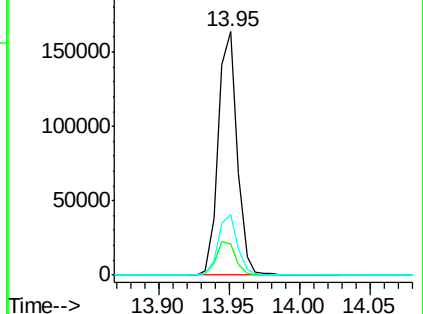
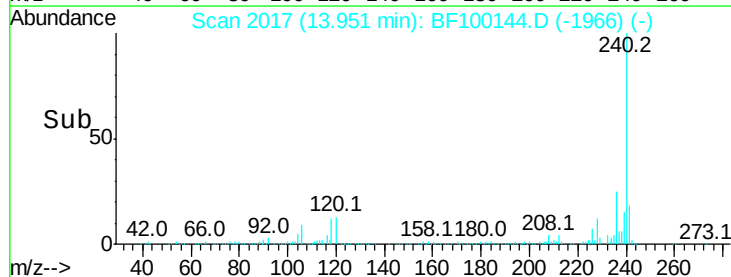
236 24.7 20.7 31.1

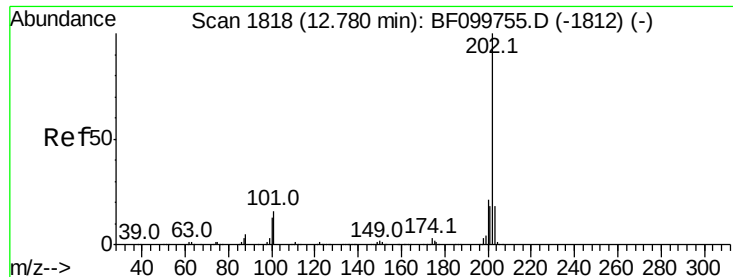


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 22.252 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF100144.D

Acq: 3 Nov 2017 19:37

Instrument :

BNA_F

ClientSampleId :

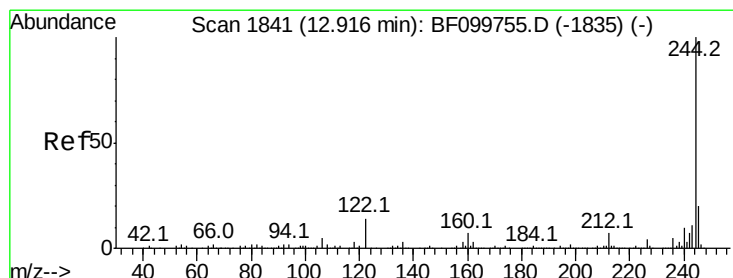
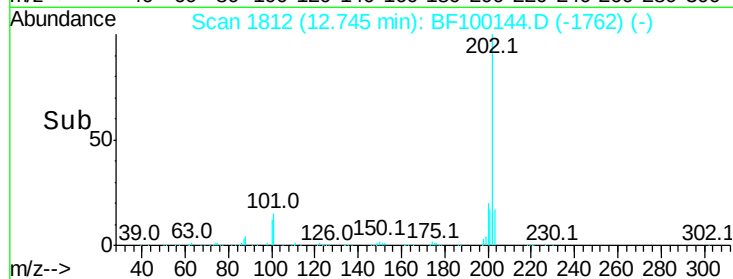
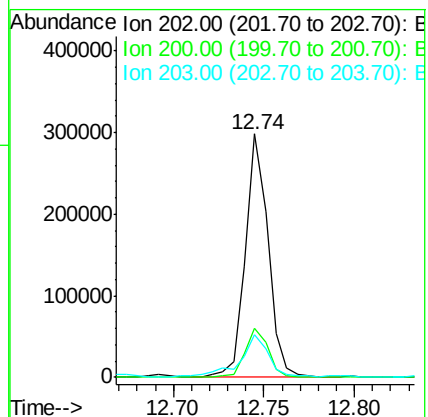
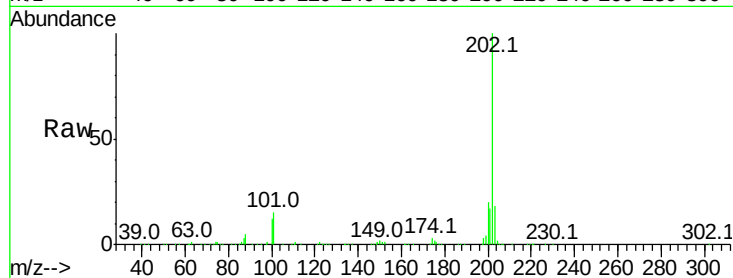
Tot Ion:202 Resp: 259218

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

203 17.5 14.3 21.5



#78

Terphenyl-d14

Concen: 73.456 ng

RT: 12.88 min Scan# 1835

Delta R.T. 0.00 min

Lab File: BF100144.D

Acq: 3 Nov 2017 19:37

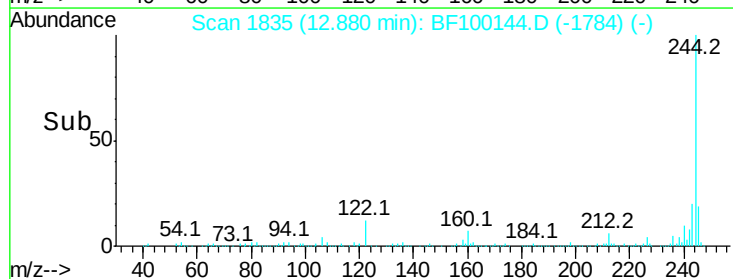
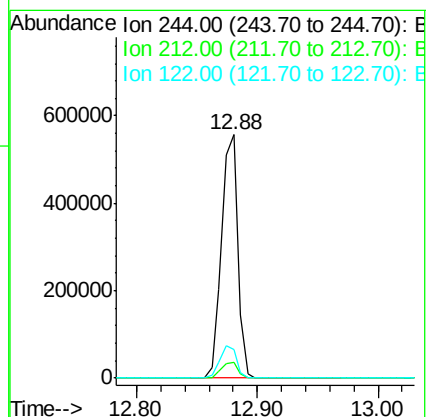
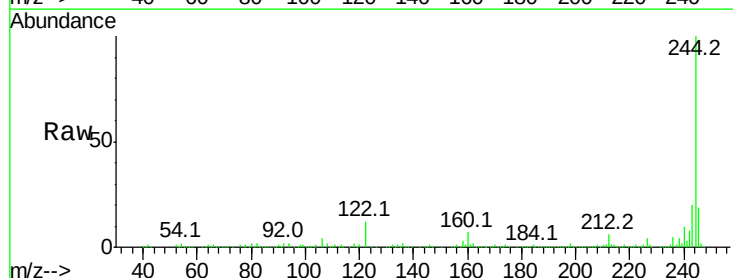
Tgt Ion:244 Resp: 514935

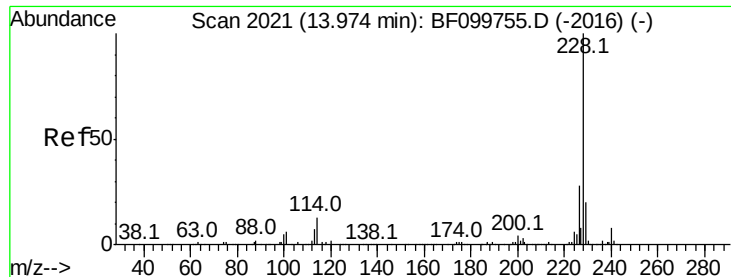
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 12.0 11.0 16.4





#80

Benzo(a)anthracene

Concen: 12.759 ng

RT: 13.94 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BF100144.D

Acq: 3 Nov 2017 19:37

Instrument :

BNA_F

ClientSampleId :

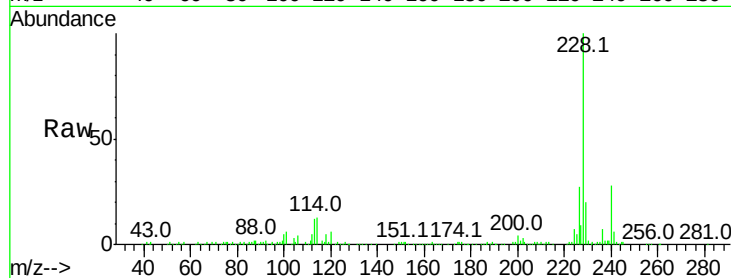
Tot Ion:228 Resp: 123915

Ion Ratio Lower Upper

228 100

226 27.5 22.6 33.8

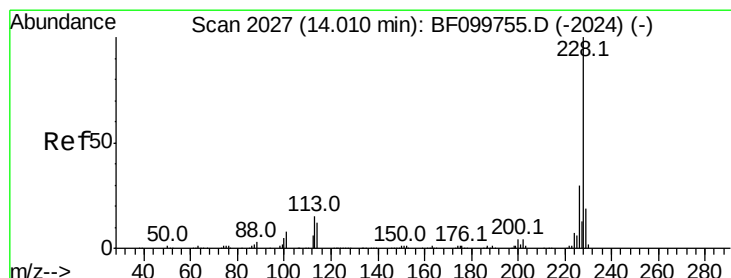
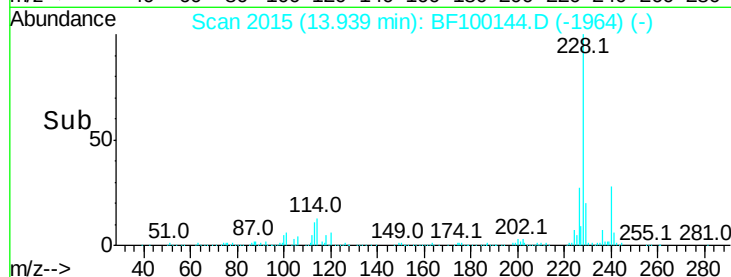
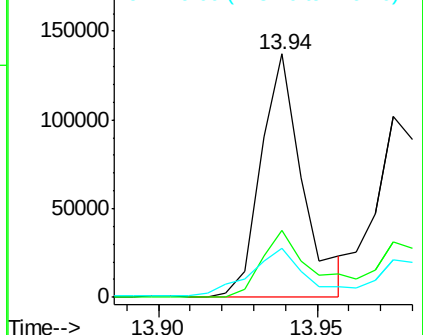
229 20.4 15.8 23.6



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: 11.754 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF100144.D

Acq: 3 Nov 2017 19:37

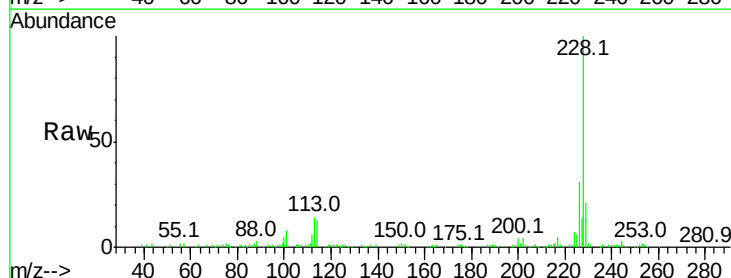
Tgt Ion:228 Resp: 107321

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.6

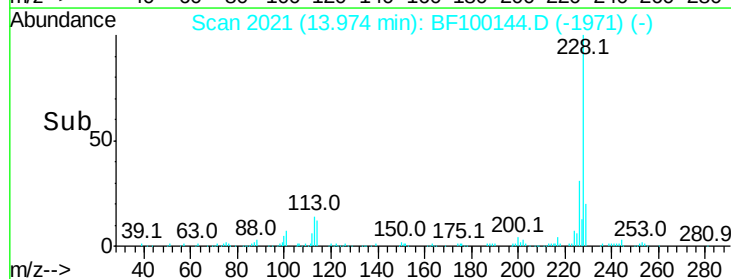
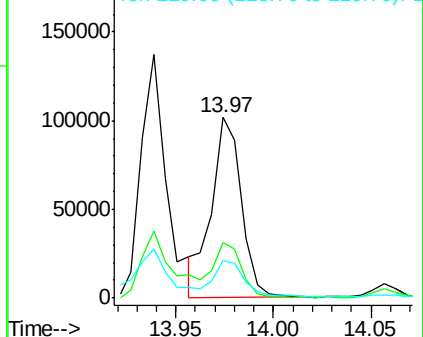
229 21.1 16.2 24.4

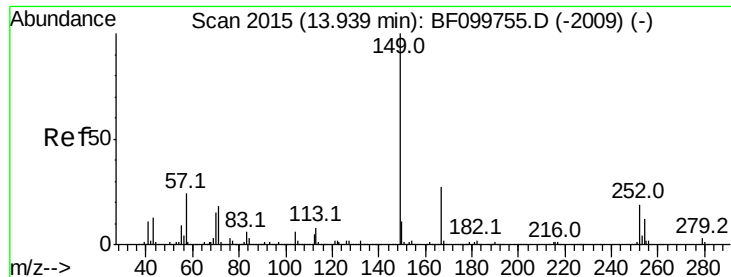


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

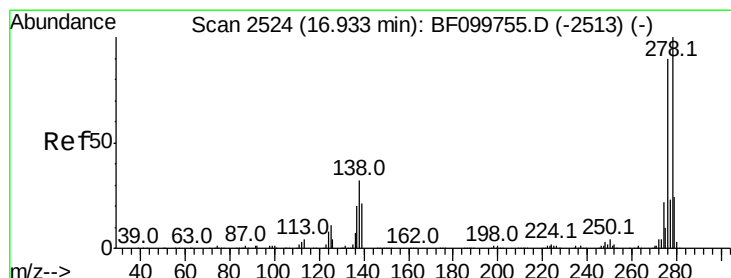
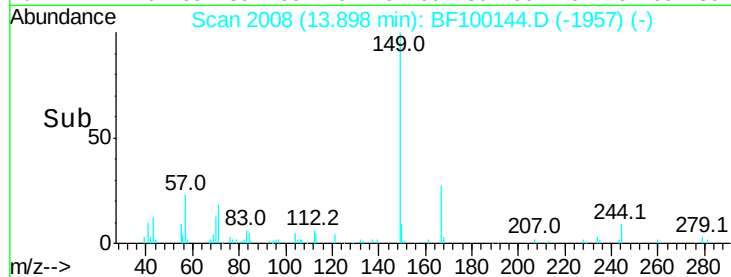
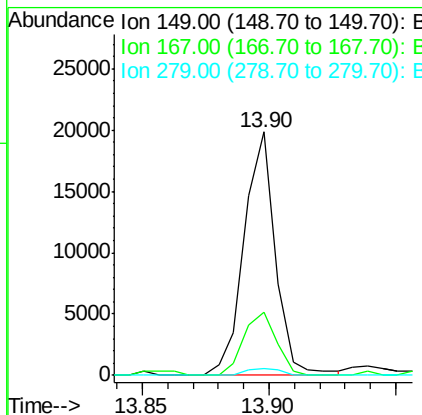
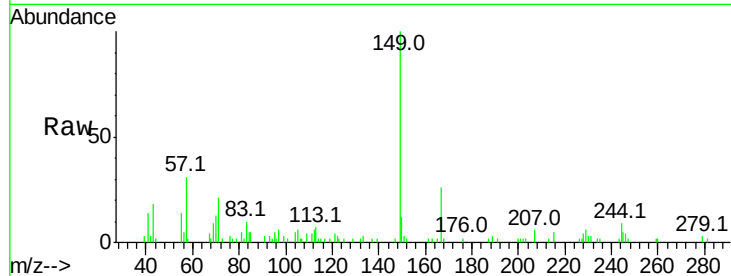




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.123 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: BF100144.D
 Acq: 3 Nov 2017 19:37

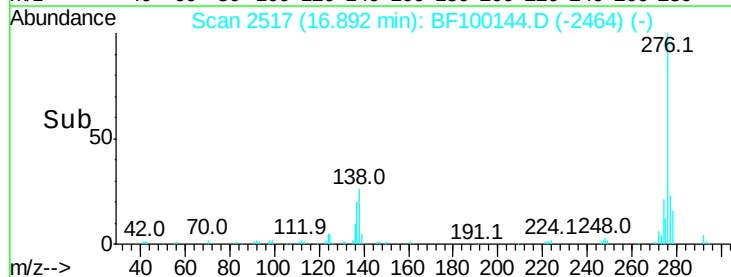
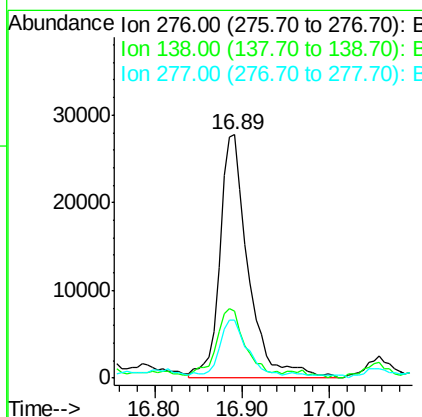
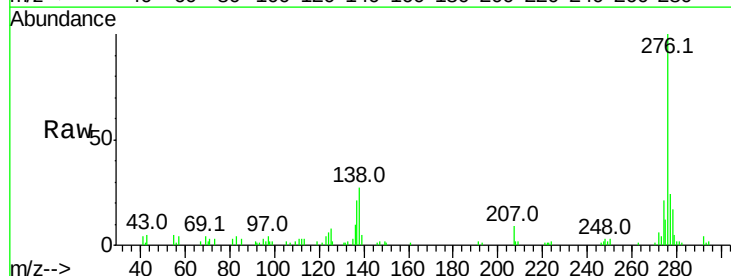
Instrument :
 BNA_F
 ClientSampled :

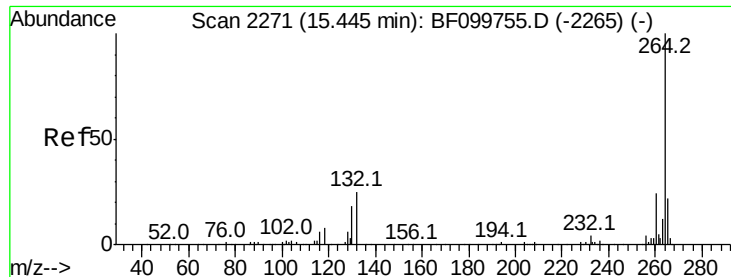
Tot Ion:149 Resp: 17104
 Ion Ratio Lower Upper
 149 100
 167 26.1 21.3 31.9
 279 3.0 3.0 4.4



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.424 ng
 RT: 16.89 min Scan# 2517
 Delta R.T. 0.01 min
 Lab File: BF100144.D
 Acq: 3 Nov 2017 19:37

Tgt Ion:276 Resp: 62230
 Ion Ratio Lower Upper
 276 100
 138 26.9 25.0 37.6
 277 22.1 20.1 30.1



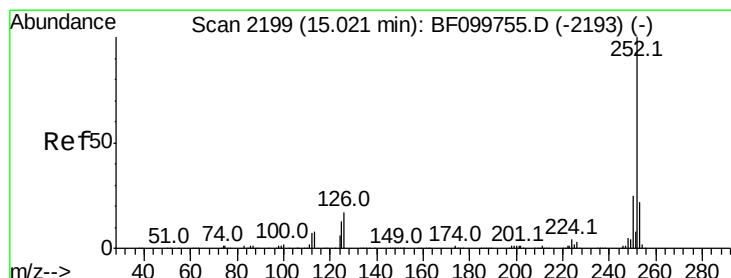
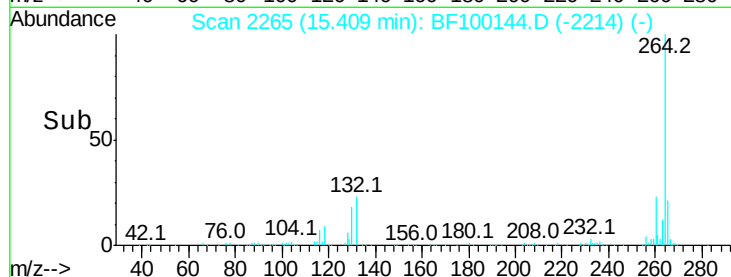
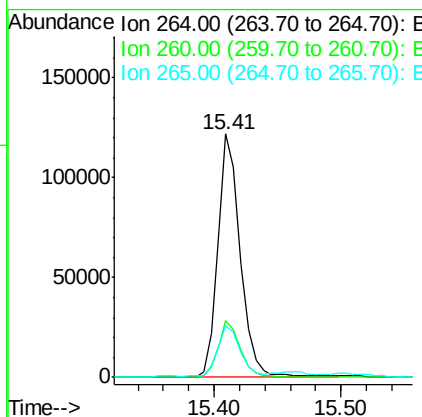
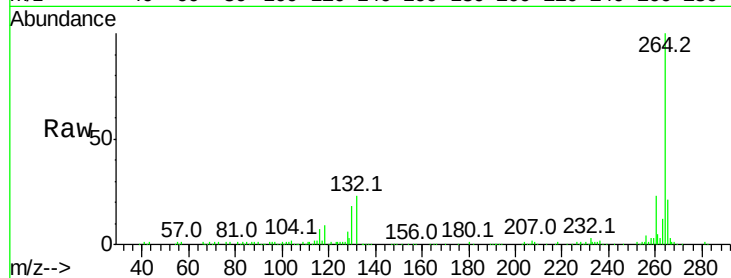


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.00 min
Lab File: BF100144.D
Acq: 3 Nov 2017 19:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 151680

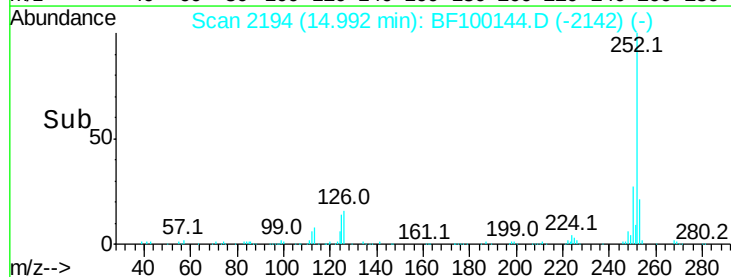
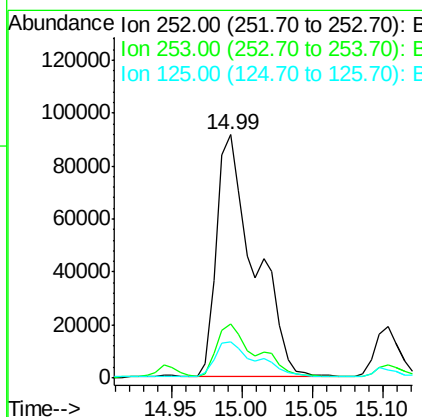
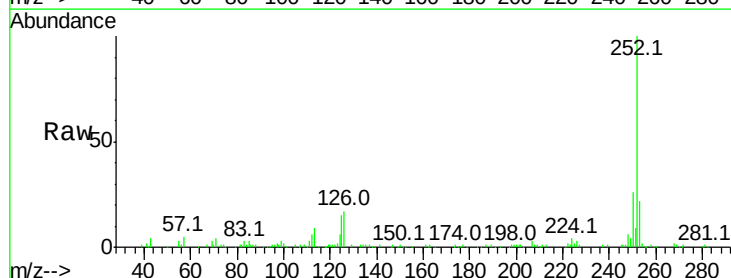
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.5	17.5	26.3

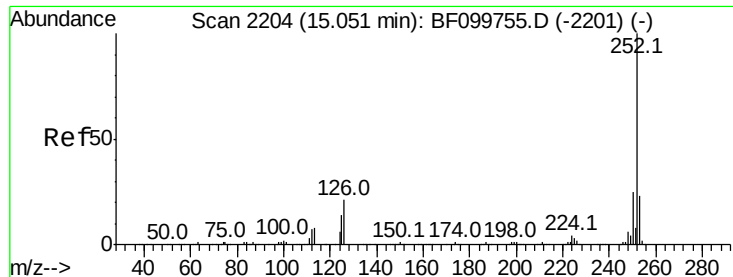


#87
Benzo(b)fluoranthene
Concen: 17.896 ng
RT: 14.99 min Scan# 2194
Delta R.T. 0.01 min
Lab File: BF100144.D
Acq: 3 Nov 2017 19:37

Tgt Ion:252 Resp: 171406

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	14.7	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 18.978 ng

RT: 14.99 min Scan# 2194

Delta R.T. -0.02 min

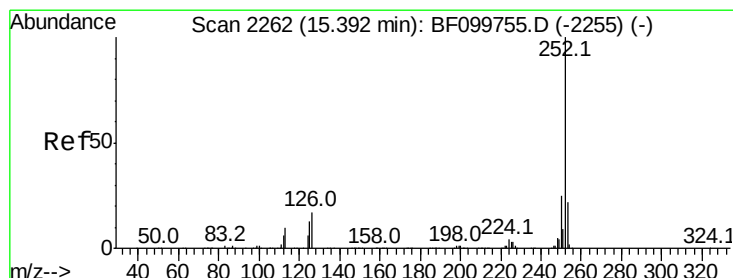
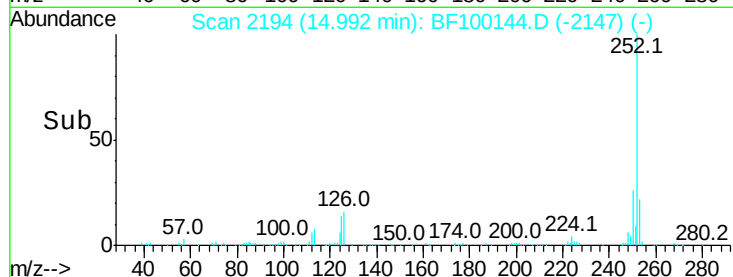
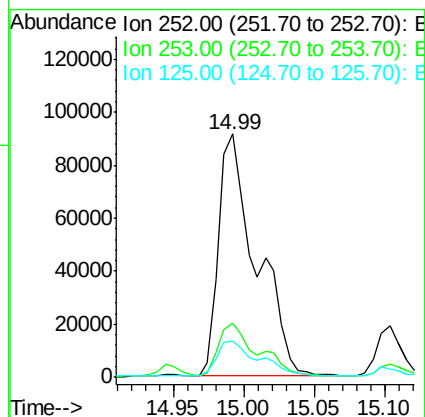
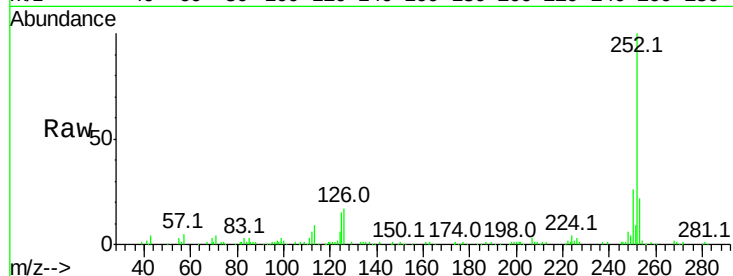
Lab File: BF100144.D

Acq: 3 Nov 2017 19:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 171406

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	14.7	10.2	15.2



#89

Benzo(a)pyrene

Concen: 11.579 ng

RT: 15.36 min Scan# 2256

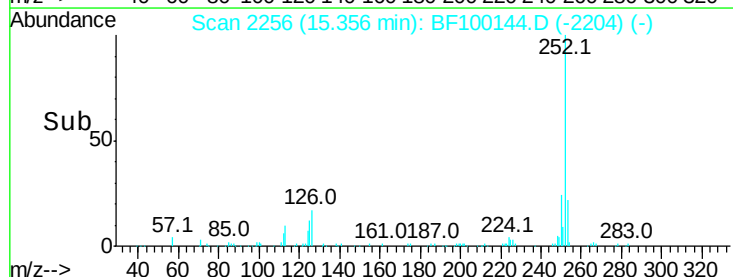
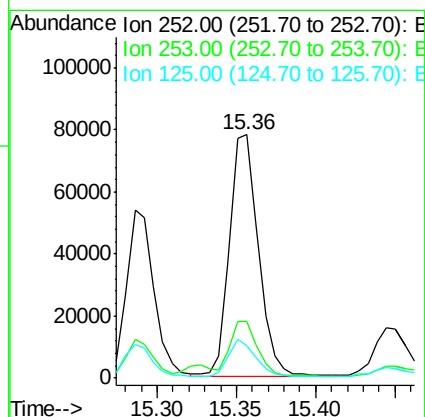
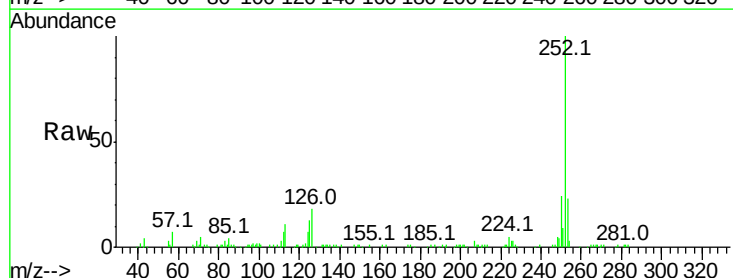
Delta R.T. 0.01 min

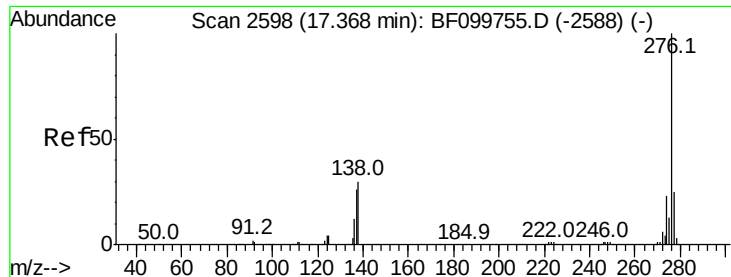
Lab File: BF100144.D

Acq: 3 Nov 2017 19:37

Tgt Ion:252 Resp: 99618

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	13.2	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 7.420 ng

RT: 17.34 min Scan# 2593

Delta R.T. 0.02 min

Lab File: BF100144.D

Acq: 3 Nov 2017 19:37

Instrument :

BNA_F

ClientSampleId :

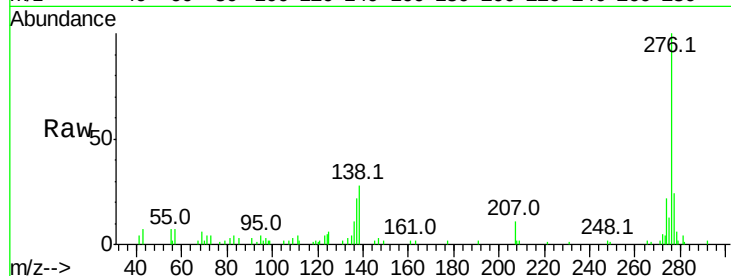
Tot Ion:276 Resp: 55497

Ion Ratio Lower Upper

276 100

277 24.0 17.9 26.9

138 28.5 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

