

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\
 Data File : BF110620.D
 Acq On : 9 Nov 2018 11:52
 Operator : JU/SJ
 Sample : J5839-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 09 15:45:15 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 09 15:13:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	78011	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	307331	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	126430	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	184020	20.00	ng	0.00
76) Chrysene-d12	14.13	240	158219	20.00	ng	-0.01
87) Perylene-d12	15.66	264	122790	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	601217	125.18	ng	0.00
7) Phenol-d6	6.57	99	767347	124.94	ng	0.00
23) Nitrobenzene-d5	7.51	82	482122	90.34	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	110279	86.57	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	845036	95.46	ng	0.00
79) Terphenyl-d14	13.06	244	595438	70.48	ng	0.00

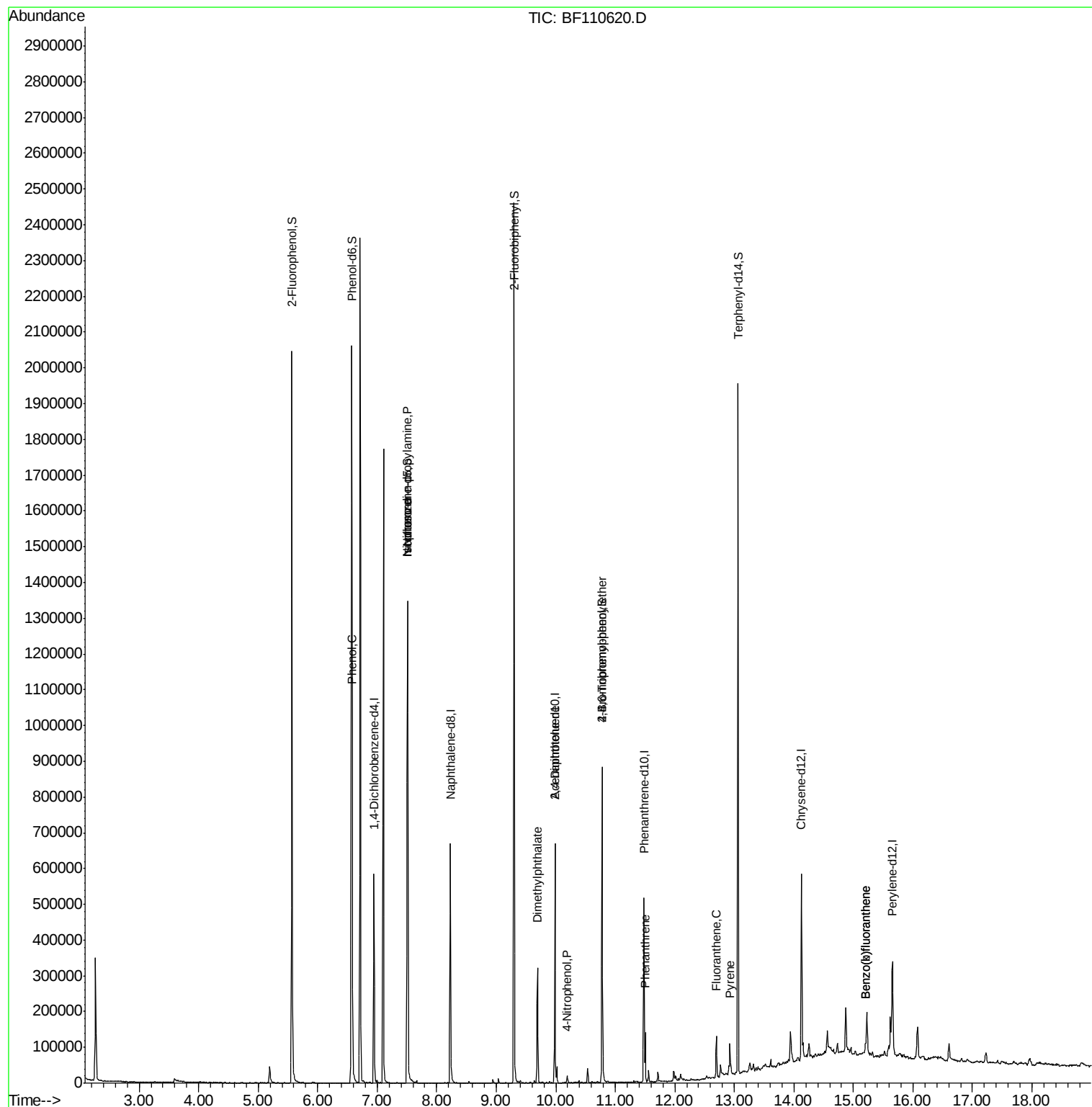
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.58	77	1454	Below Cal		# 1
10) Phenol	6.59	94	50190	7.048	ng	# 63
19) n-Nitroso-di-n-propylamine	7.51	70	64412	16.430	ng	# 80
25) Isophorone	7.51	82	482118	55.120	ng	# 67
50) Dimethylphthalate	9.69	163	127863	13.554	ng	# 99
56) 4-Nitrophenol	10.19	139	3212	2.014	ng	# 6
57) 2,4-Dinitrotoluene	9.99	165	15467	5.732	ng	# 17
67) 4-Bromophenyl-phenylether	10.78	248	7028	3.456	ng	# 1
71) Phenanthrene	11.50	178	49416	5.012	ng	# 98
75) Fluoranthene	12.70	202	44891	4.542	ng	# 99
78) Pyrene	12.93	202	36583	3.003	ng	# 97
88) Benzo(b)fluoranthene	15.20	252	20804	2.832	ng	# 91
89) Benzo(k)fluoranthene	15.20	252	20804	2.866	ng	# 91

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

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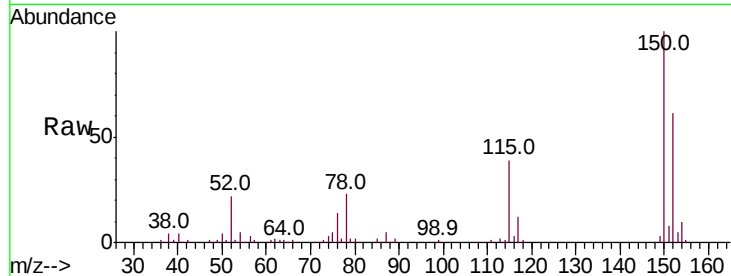


#1

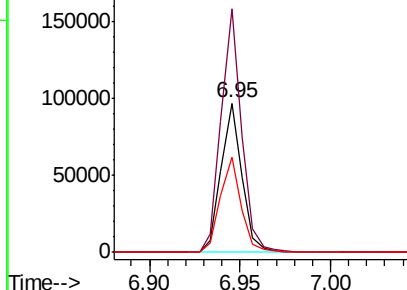
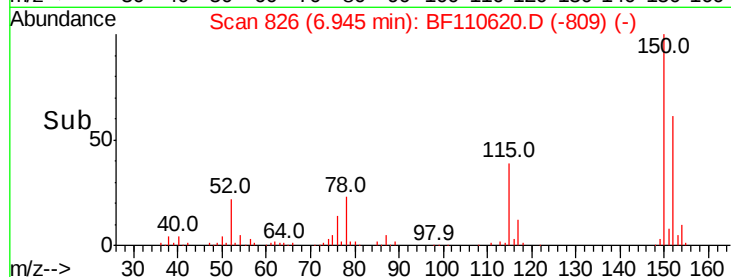
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110620.D
Acq: 9 Nov 2018 11:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 78011
Ion Ratio Lower Upper
152 100
150 163.3 122.7 184.1
115 63.8 49.1 73.7



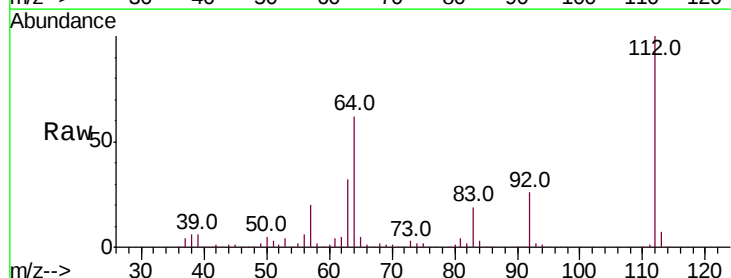
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



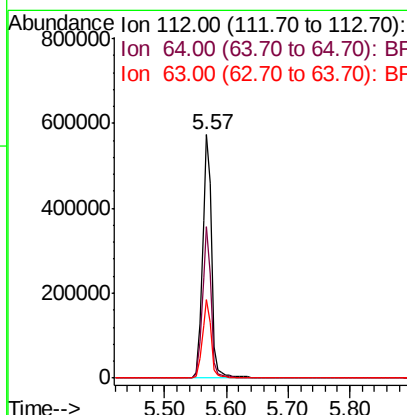
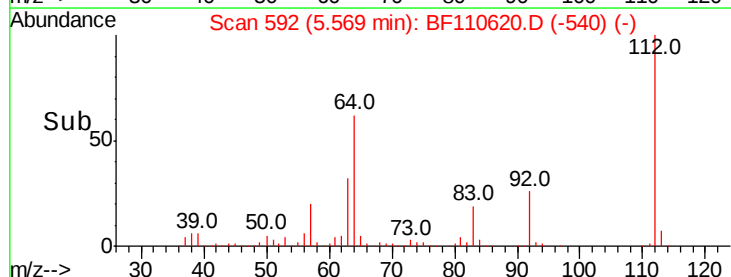
#5

2-Fluorophenol
Concen: 125.183 ng
RT: 5.57 min Scan# 592
Delta R.T. 0.01 min
Lab File: BF110620.D
Acq: 9 Nov 2018 11:52

Tgt Ion:112 Resp: 601217
Ion Ratio Lower Upper
112 100
64 62.1 44.1 66.1
63 32.5 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: 124.945 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.00 min

Lab File: BF110620.D

Acq: 9 Nov 2018 11:52

Instrument :

BNA_F

ClientSampled :

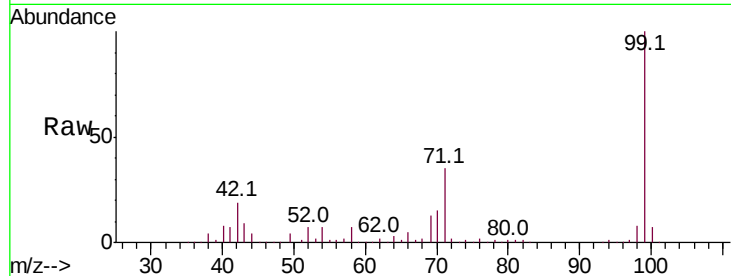
Tot Ion: 99 Resp: 767347

Ion Ratio Lower Upper

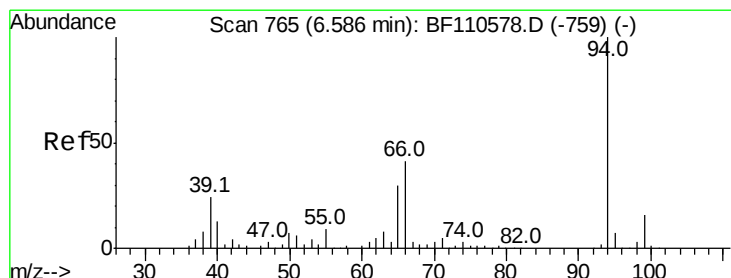
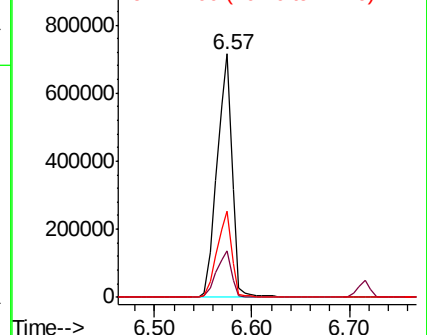
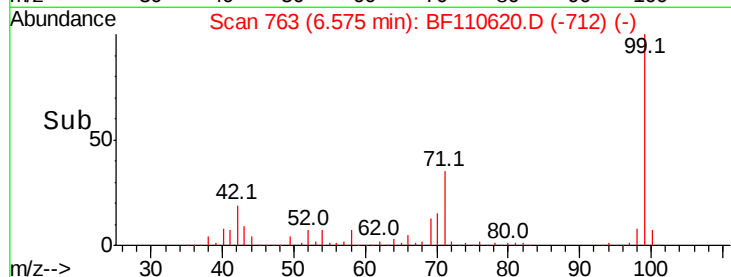
99 100

42 19.2 15.8 23.6

71 35.2 28.0 42.0



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



#10

Phenol

Concen: 7.048 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF110620.D

Acq: 9 Nov 2018 11:52

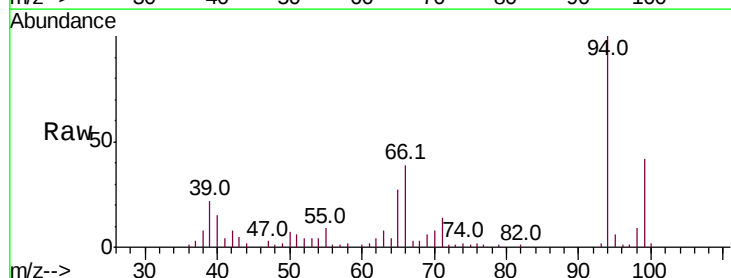
Tgt Ion: 94 Resp: 50190

Ion Ratio Lower Upper

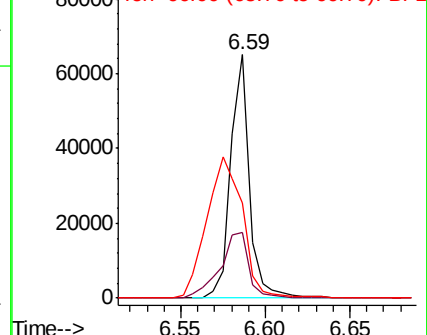
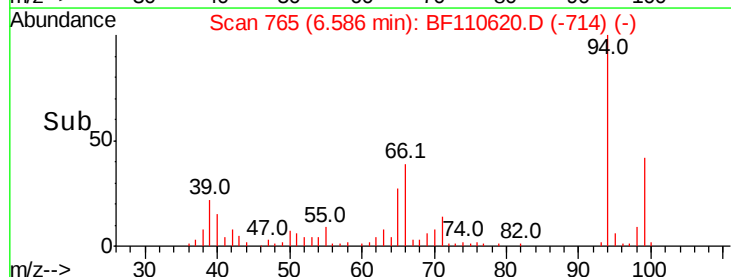
94 100

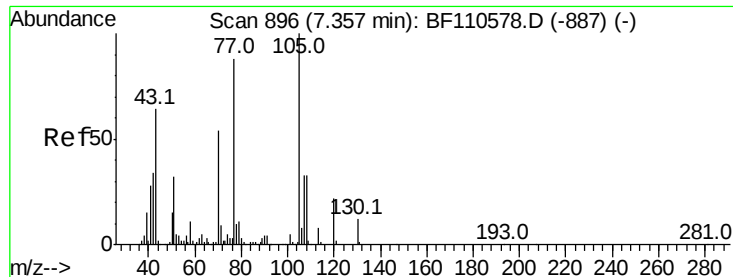
65 27.0 25.3 65.3

66 38.9 54.5 94.5#



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: 16.430 ng

RT: 7.51 min Scan# 922

Delta R.T. 0.15 min

Lab File: BF110620.D

Acq: 9 Nov 2018 11:52

Instrument :

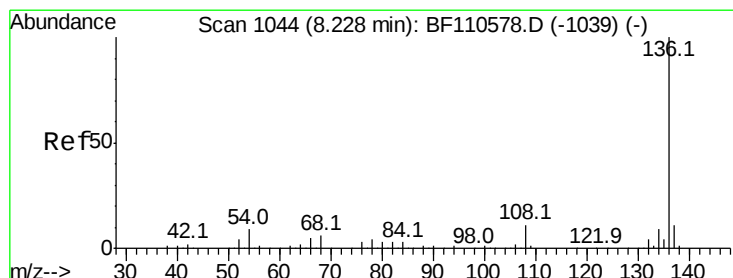
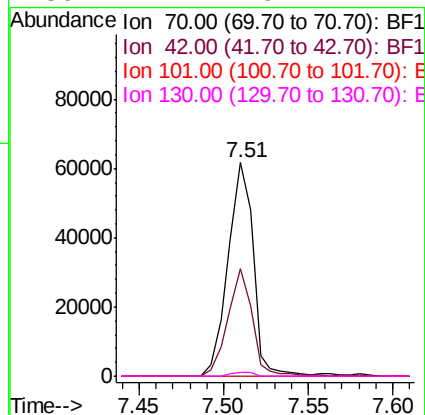
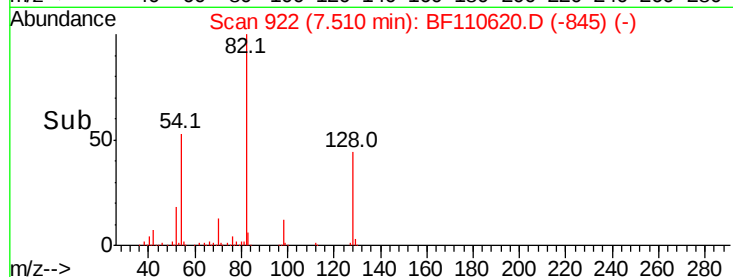
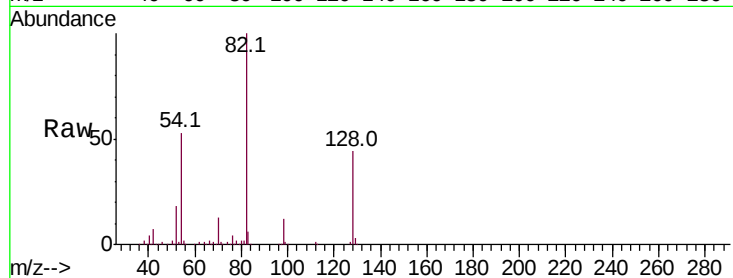
BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 64412

Ion Ratio Lower Upper

70	100		
42	50.2	47.4	71.2
101	0.0	7.3	10.9#
130	2.1	16.2	24.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.23 min Scan# 1044

Delta R.T. 0.00 min

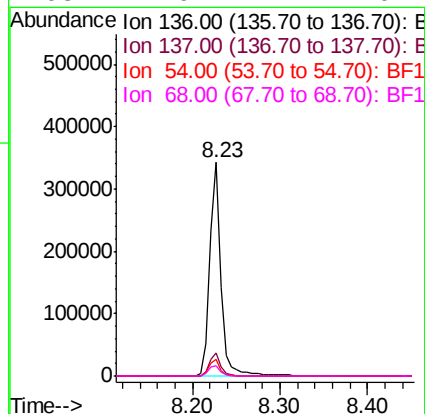
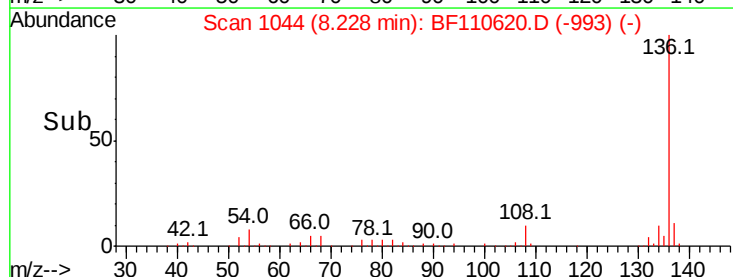
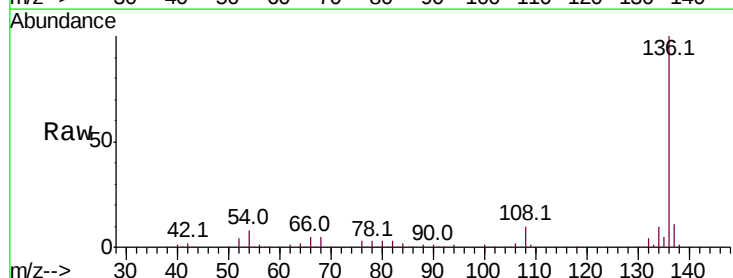
Lab File: BF110620.D

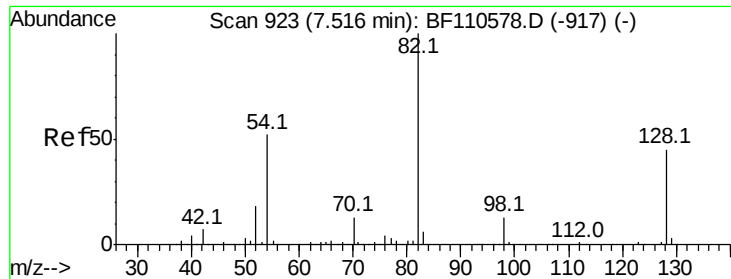
Acq: 9 Nov 2018 11:52

Tgt Ion: 136 Resp: 307331

Ion Ratio Lower Upper

136	100		
137	10.8	8.8	13.2
54	7.6	5.4	8.2
68	4.9	4.2	6.2

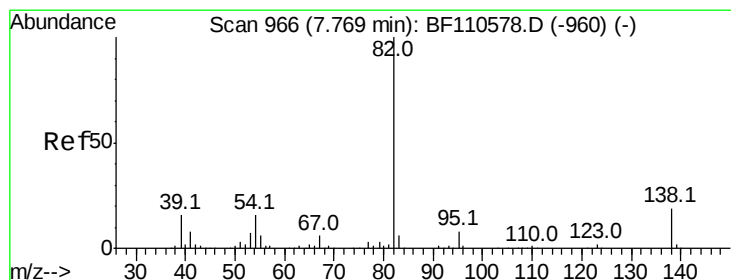
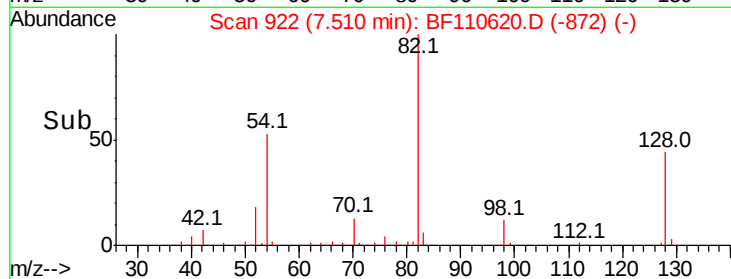
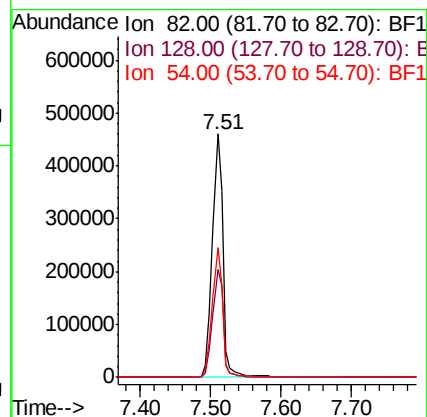
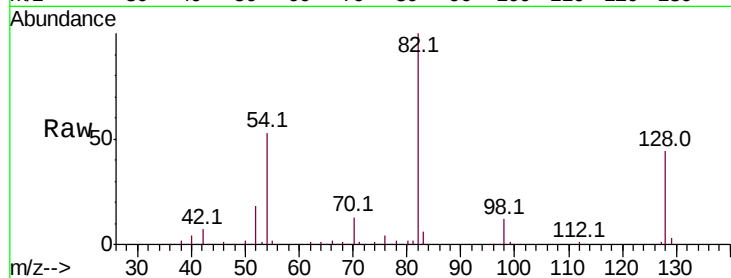




#23
 Nitrobenzene-d5
 Concen: 90.343 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF110620.D
 Acq: 9 Nov 2018 11:52

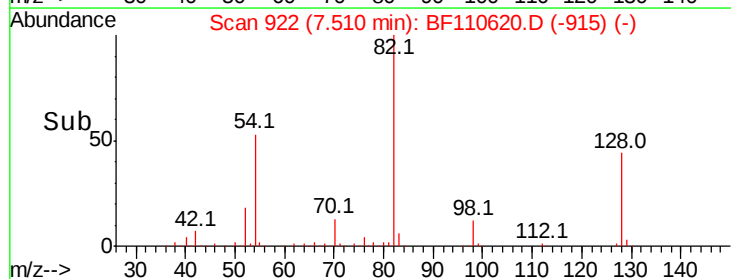
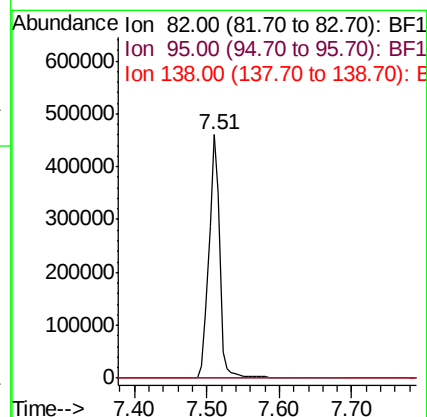
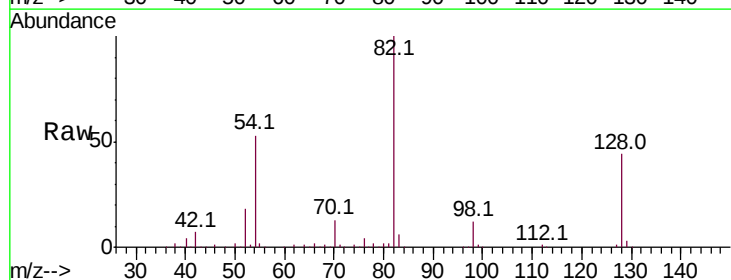
Instrument :
 BNA_F
 ClientSampleID :

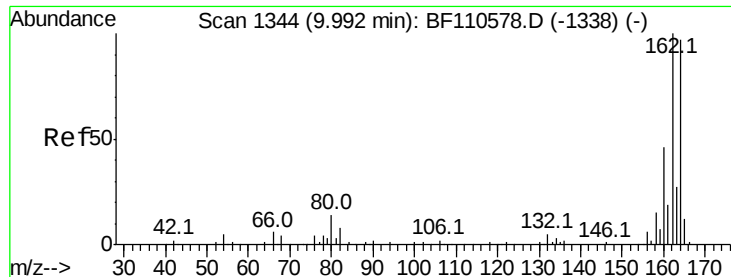
Tot Ion: 82 Resp: 482122
 Ion Ratio Lower Upper
 82 100
 128 44.1 34.2 51.2
 54 53.3 38.6 58.0



#25
 Isophorone
 Concen: 55.120 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.26 min
 Lab File: BF110620.D
 Acq: 9 Nov 2018 11:52

Tgt Ion: 82 Resp: 482118
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.7 8.5#
 138 0.0 13.2 19.8#

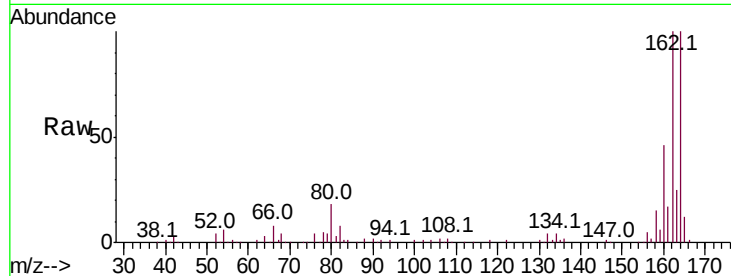




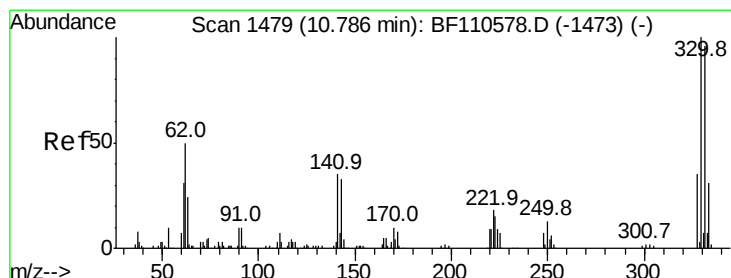
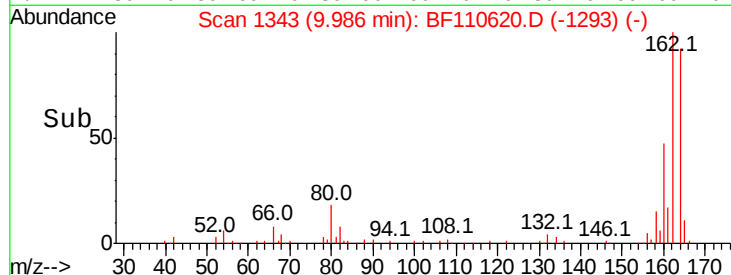
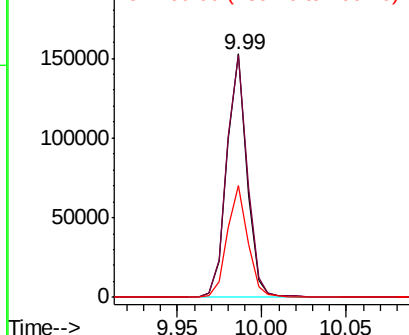
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF110620.D
Acq: 9 Nov 2018 11:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 126430
Ion Ratio Lower Upper
164 100
162 99.5 83.0 124.6
160 46.0 37.0 55.6

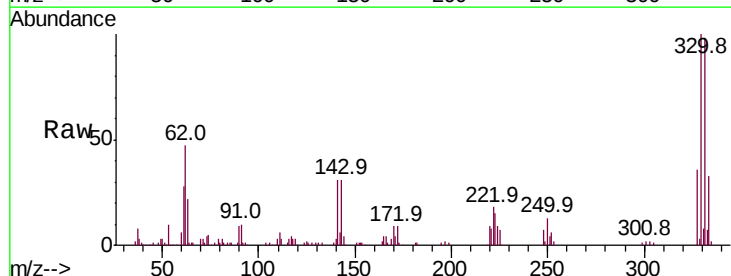


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

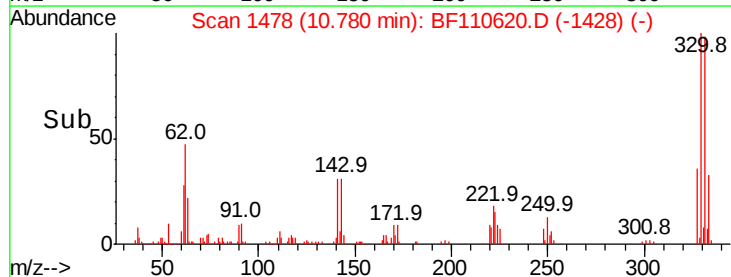
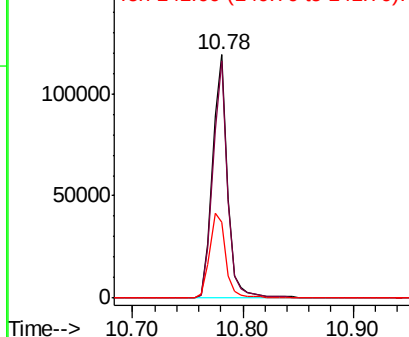


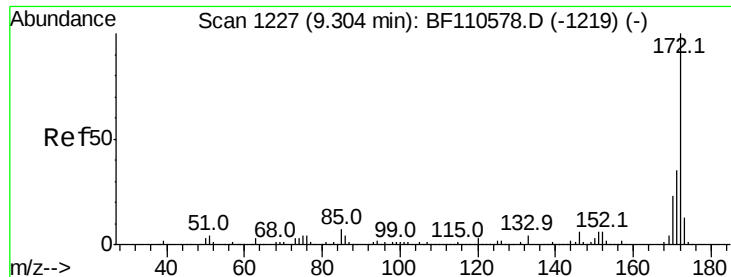
#42
2,4,6-Tribromophenol
Concen: 86.565 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BF110620.D
Acq: 9 Nov 2018 11:52

Tgt Ion:330 Resp: 110279
Ion Ratio Lower Upper
330 100
332 95.5 77.1 115.7
141 37.2 27.0 40.4



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

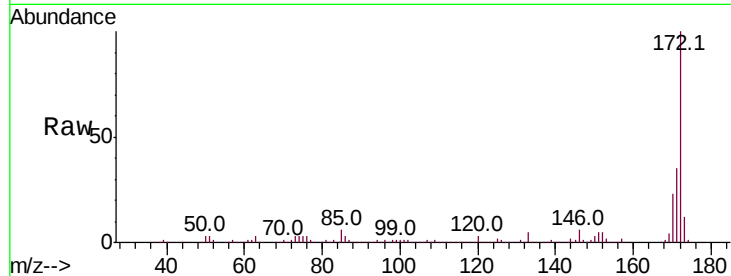




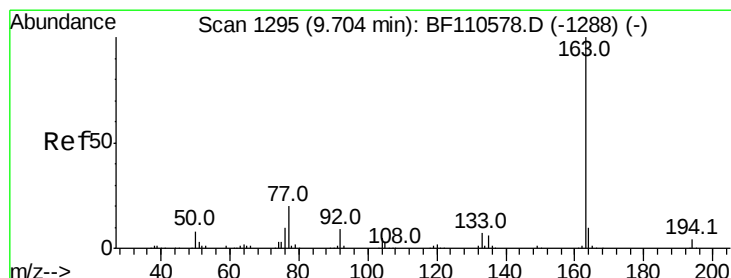
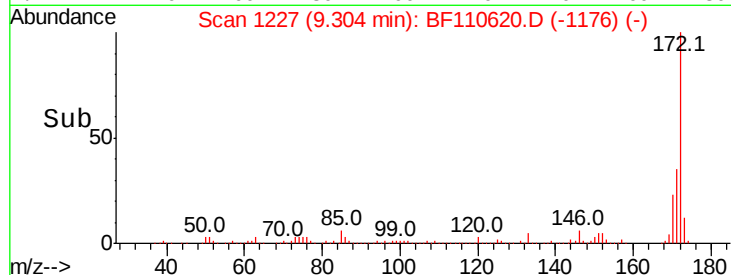
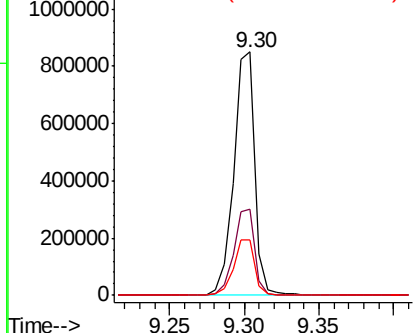
#45
2-Fluorobiphenyl
Concen: 95.457 ng
RT: 9.30 min Scan# 1227
Delta R.T. -0.00 min
Lab File: BF110620.D
Acq: 9 Nov 2018 11:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 845036
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.0 19.7 29.5

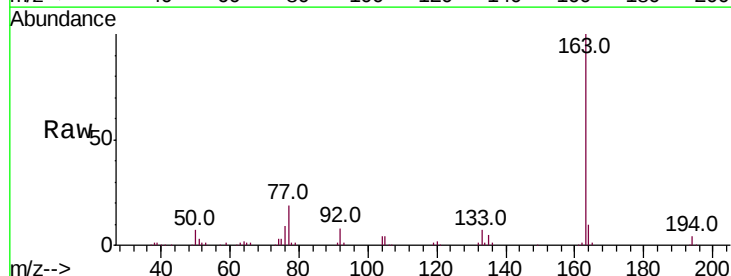


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

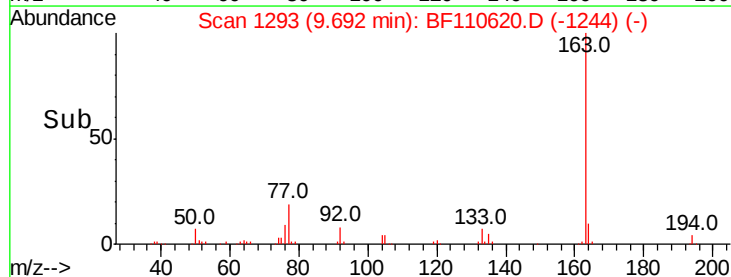
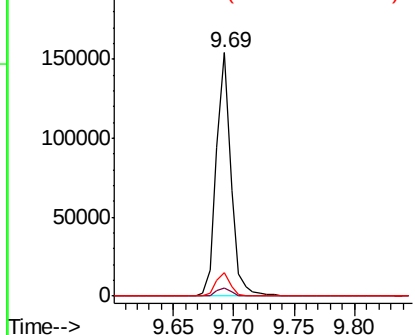


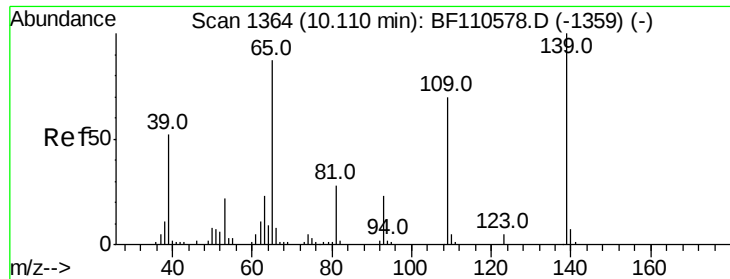
#50
Dimethylphthalate
Concen: 13.554 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110620.D
Acq: 9 Nov 2018 11:52

Tgt Ion:163 Resp: 127863
Ion Ratio Lower Upper
163 100
194 3.5 3.2 4.8
164 9.7 8.1 12.1



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

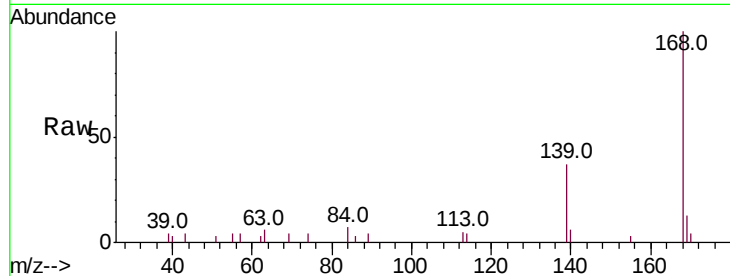




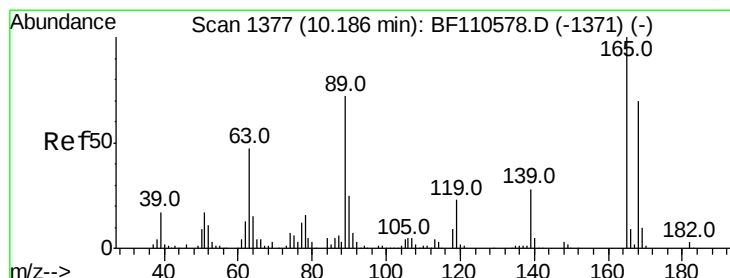
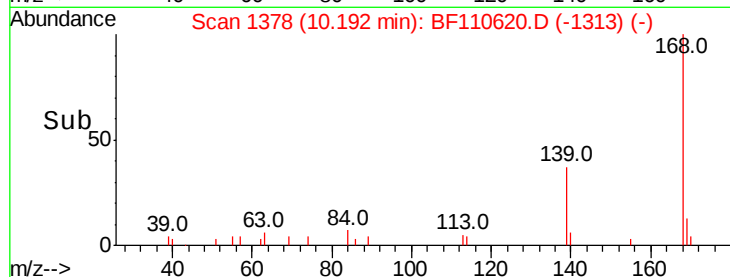
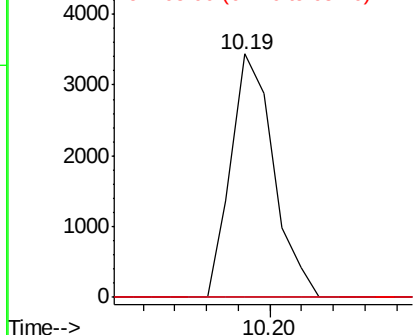
#56
4-Nitrophenol
Concen: 2.014 ng
RT: 10.19 min Scan# 1378
Delta R.T. 0.08 min
Lab File: BF110620.D
Acq: 9 Nov 2018 11:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 3212
Ion Ratio Lower Upper
139 100
109 0.0 55.8 95.8#
65 0.0 77.9 117.9#

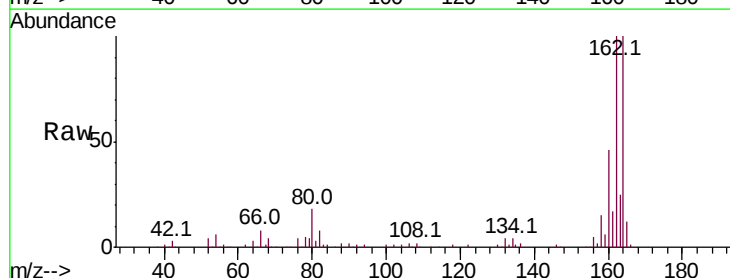


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

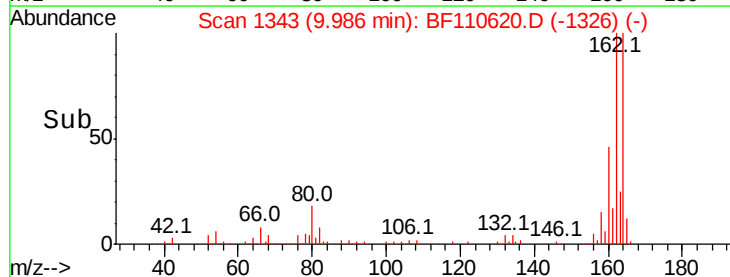
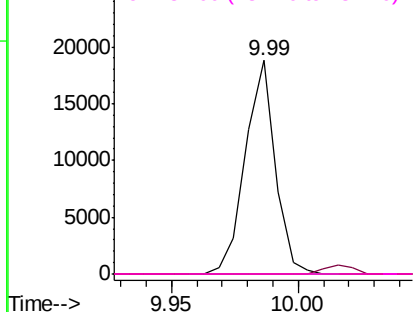


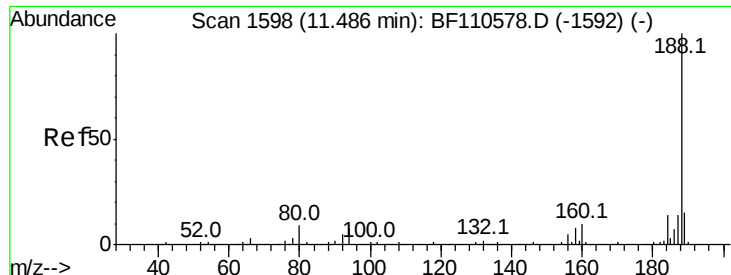
#57
2,4-Dinitrotoluene
Concen: 5.732 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.20 min
Lab File: BF110620.D
Acq: 9 Nov 2018 11:52

Tgt Ion:165 Resp: 15467
Ion Ratio Lower Upper
165 100
63 0.0 44.8 67.2#
89 0.0 62.2 93.4#
182 0.0 2.1 3.1#



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

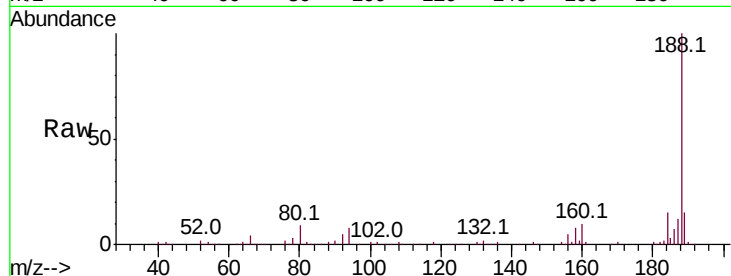




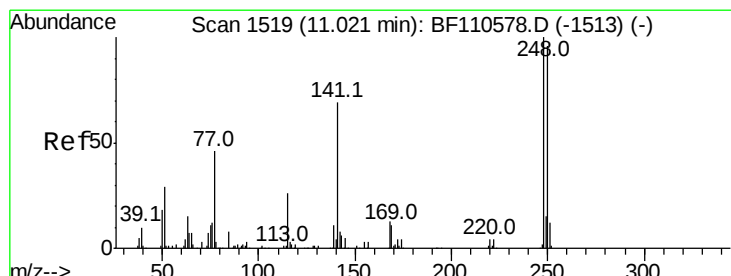
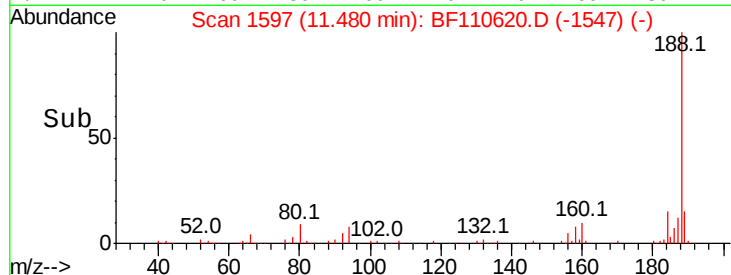
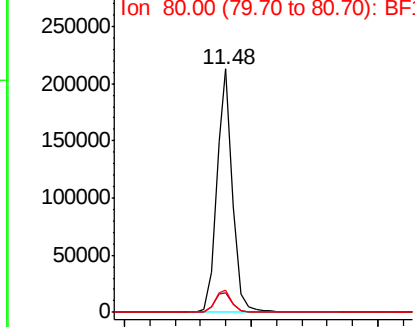
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110620.D
Acq: 9 Nov 2018 11:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 184020
Ion Ratio Lower Upper
188 100
94 8.1 7.2 10.8
80 9.1 7.9 11.9

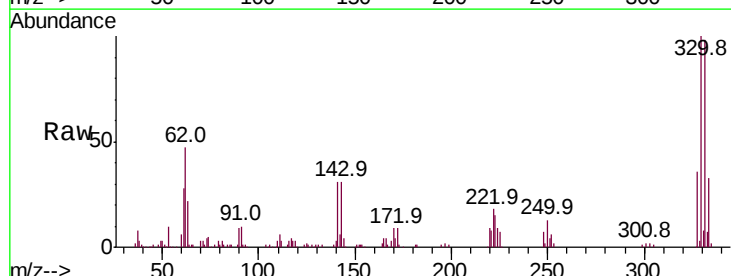


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

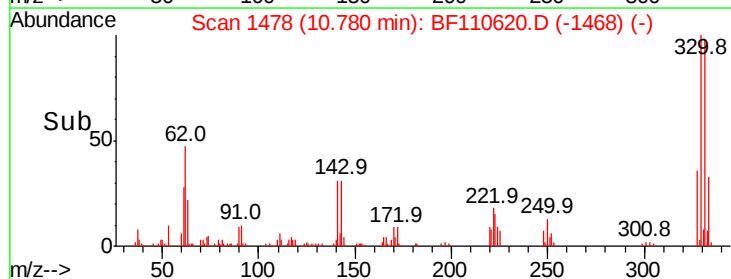
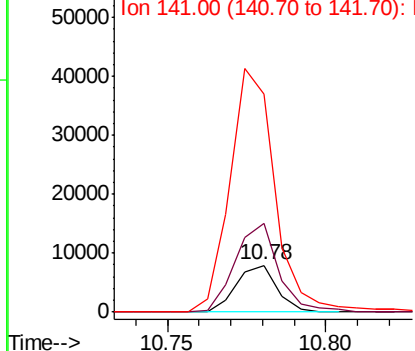


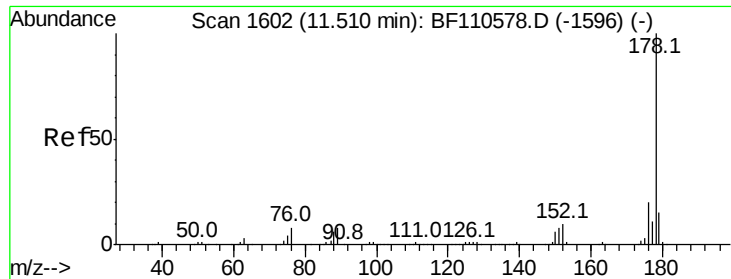
#67
4-Bromophenyl-phenylether
Concen: 3.456 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.24 min
Lab File: BF110620.D
Acq: 9 Nov 2018 11:52

Tgt Ion:248 Resp: 7028
Ion Ratio Lower Upper
248 100
250 189.4 79.4 119.2#
141 469.8 55.9 83.9#



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

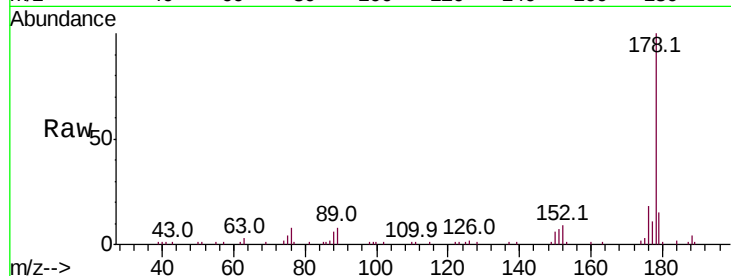




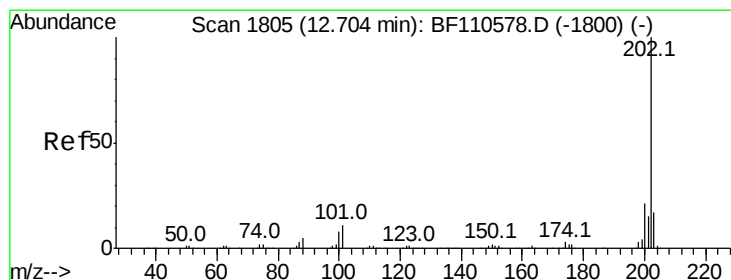
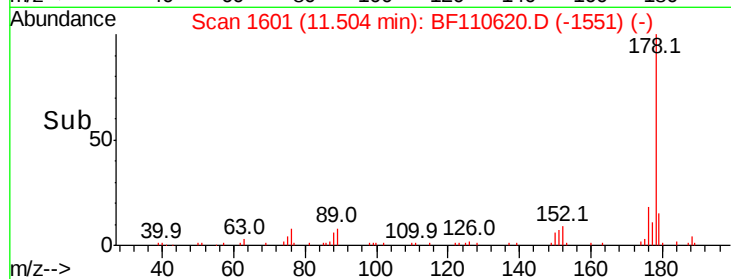
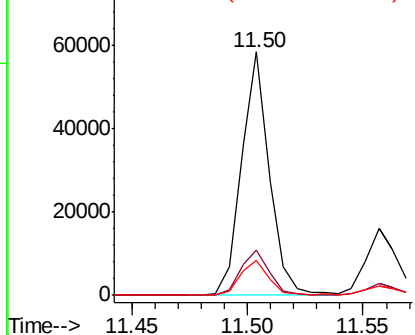
#71
Phenanthrene
Concen: 5.012 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110620.D
Acq: 9 Nov 2018 11:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 49416
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 14.6 12.5 18.7

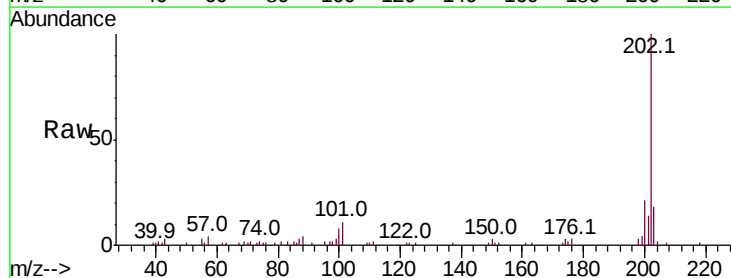


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

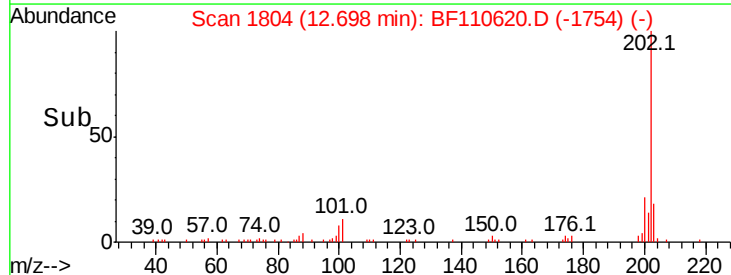
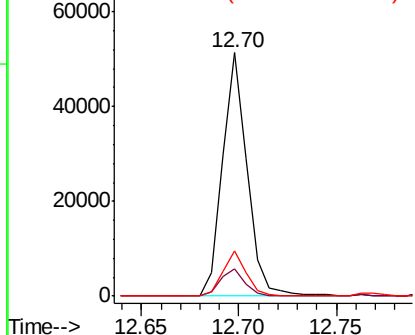


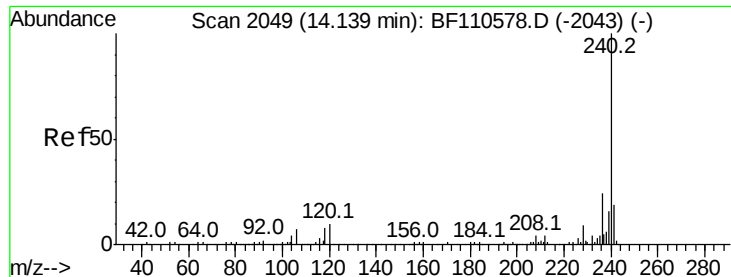
#75
Fluoranthene
Concen: 4.542 ng
RT: 12.70 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BF110620.D
Acq: 9 Nov 2018 11:52

Tgt Ion:202 Resp: 44891
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.4
203 18.4 0.0 37.7



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2047

Delta R.T. -0.01 min

Lab File: BF110620.D

Acq: 9 Nov 2018 11:52

Instrument :

BNA_F

ClientSampleId :

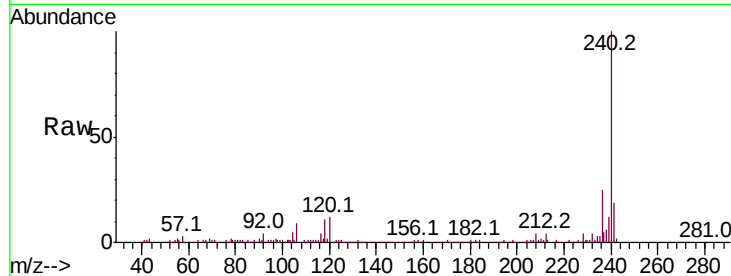
Tot Ion:240 Resp: 158219

Ion Ratio Lower Upper

240 100

120 12.2 8.3 12.5

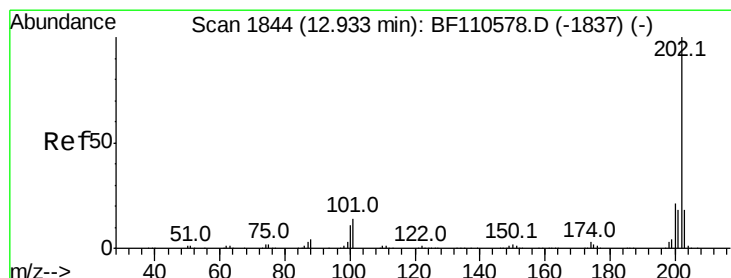
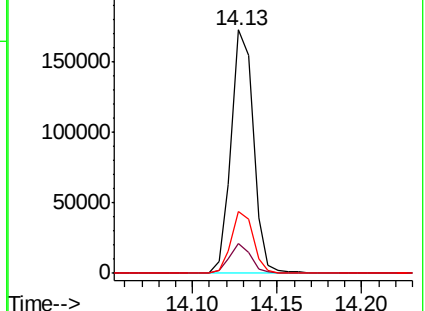
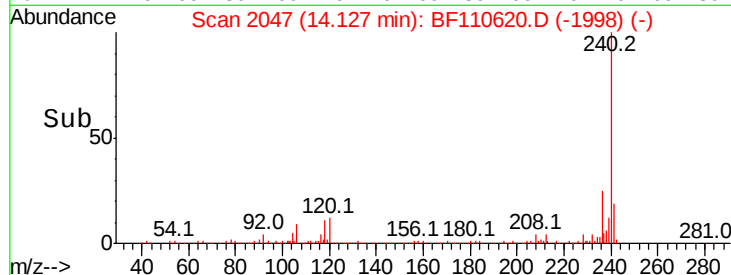
236 25.4 21.2 31.8



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



#78

Pyrene

Concen: 3.003 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF110620.D

Acq: 9 Nov 2018 11:52

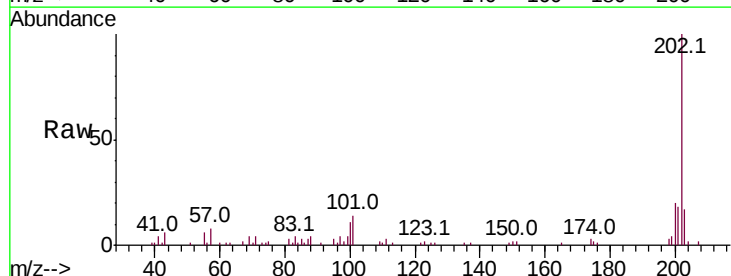
Tgt Ion:202 Resp: 36583

Ion Ratio Lower Upper

202 100

200 19.7 17.8 26.6

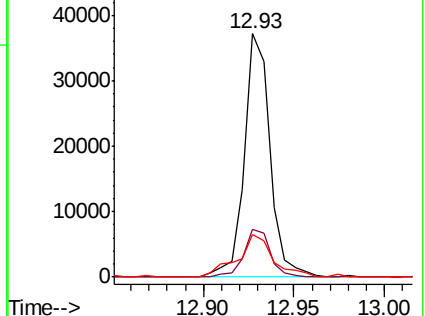
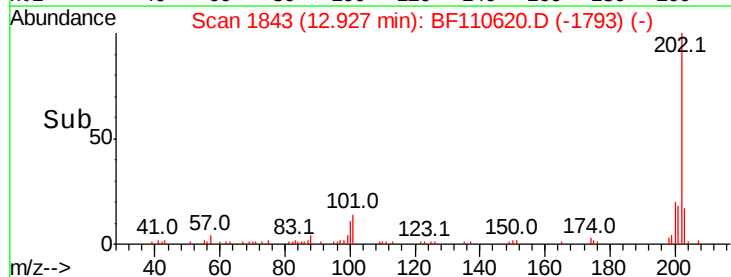
203 17.5 14.2 21.4

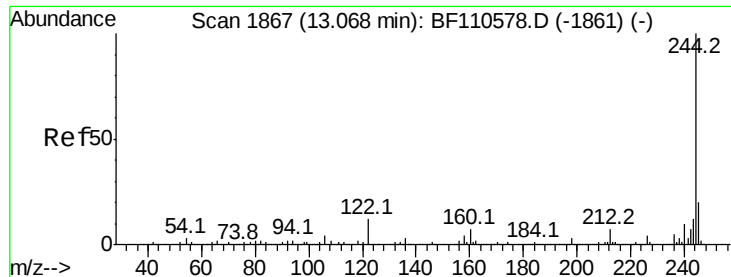


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

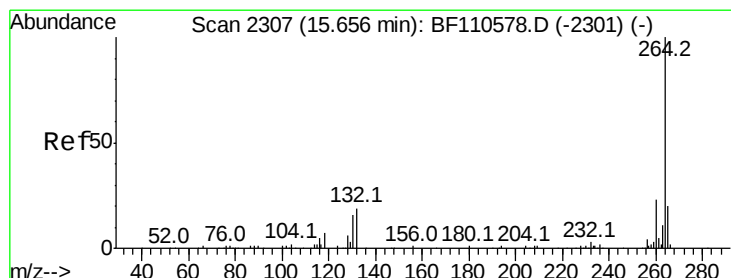
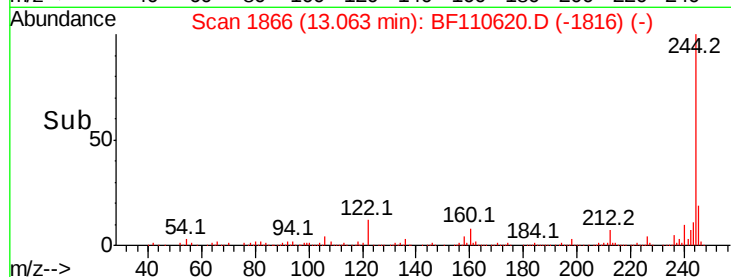
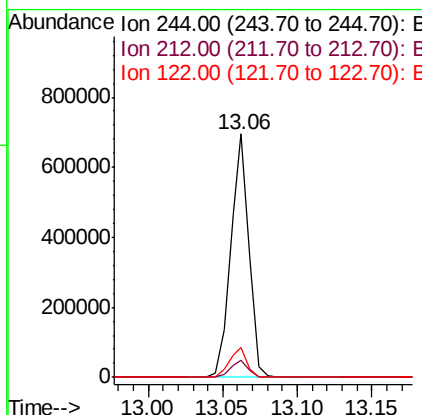
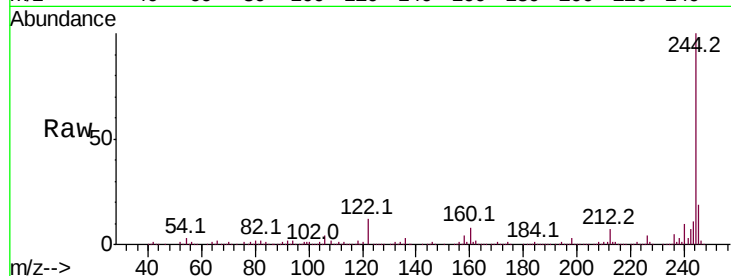




#79
 Terphenyl-d14
 Concen: 70.479 ng
 RT: 13.06 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: BF110620.D
 Acq: 9 Nov 2018 11:52

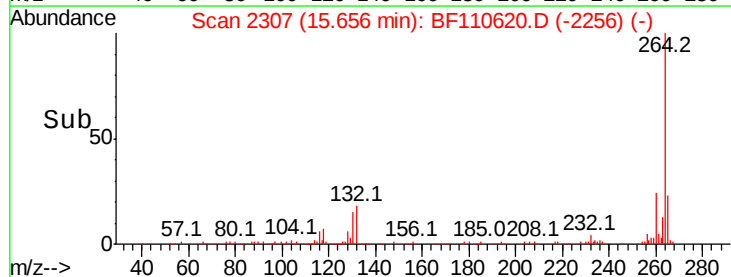
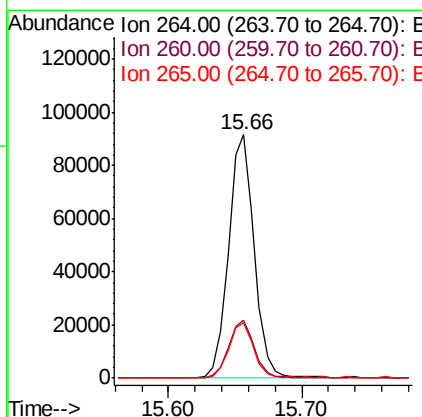
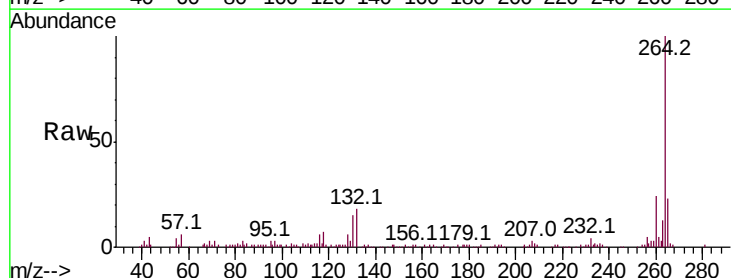
Instrument :
 BNA_F
 ClientSampleId :

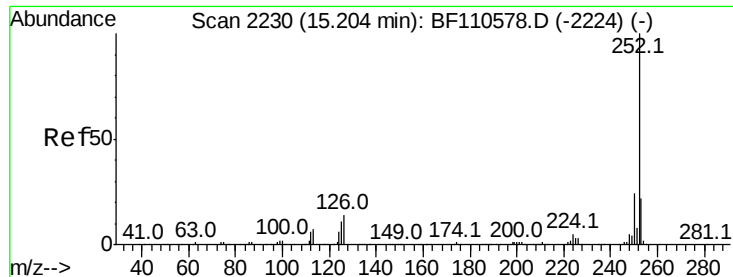
Tot Ion:244 Resp: 595438
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 12.2 8.7 13.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.66 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: BF110620.D
 Acq: 9 Nov 2018 11:52

Tgt Ion:264 Resp: 122790
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.7 28.1
 265 22.6 16.7 25.1

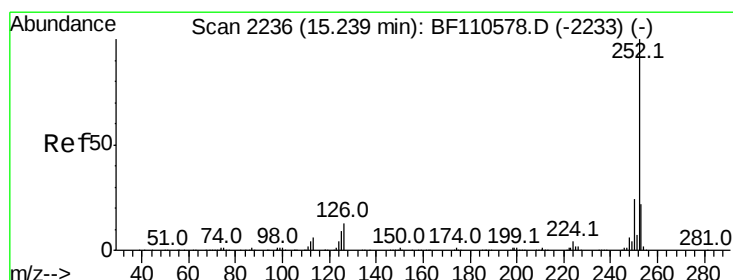
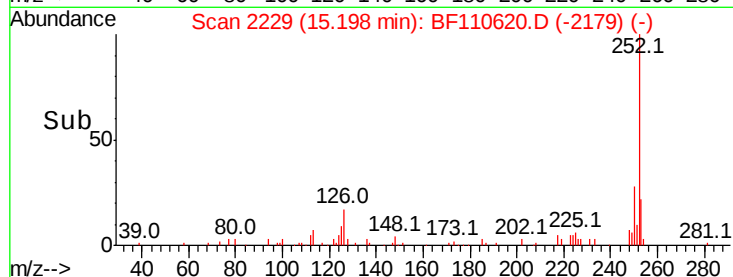
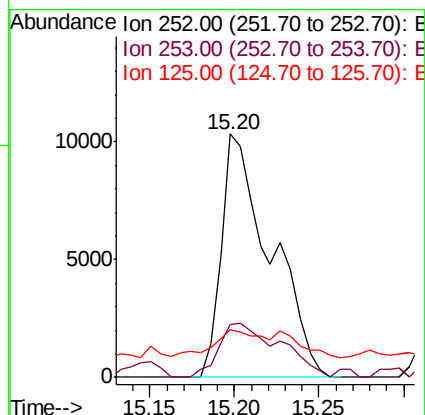
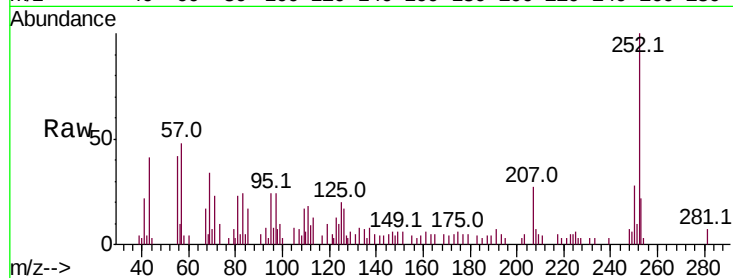




#88
Benzo(b)fluoranthene
Concen: 2.832 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF110620.D
Acq: 9 Nov 2018 11:52

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	19.6	8.2	12.4



#89
Benzo(k)fluoranthene
Concen: 2.866 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.04 min
Lab File: BF110620.D
Acq: 9 Nov 2018 11:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	19.6	7.4	11.0

