

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\
 Data File : BF110627.D
 Acq On : 9 Nov 2018 15:02
 Operator : JU/SJ
 Sample : J5813-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

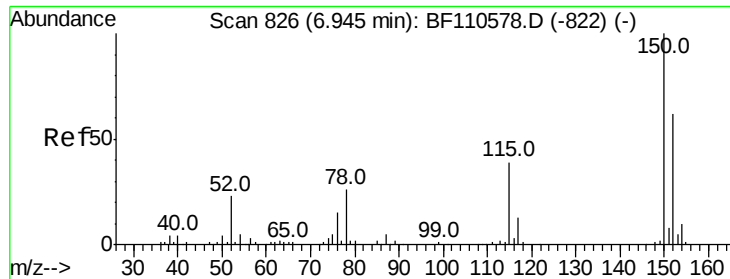
Quant Time: Nov 09 17:17:19 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 09 15:13:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	78708	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	292007	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	114947	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	185876	20.00	ng	0.00
76) Chrysene-d12	14.13	240	156127	20.00	ng	0.00
87) Perylene-d12	15.66	264	107646	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	464110	95.78	ng	0.00
7) Phenol-d6	6.57	99	589823	95.19	ng	0.00
23) Nitrobenzene-d5	7.51	82	358179	70.64	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	88236	76.18	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	562635	69.91	ng	0.00
79) Terphenyl-d14	13.06	244	441931	53.01	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	1274	Below Cal		# 1
10) Phenol	6.58	94	38726	5.390	ng	# 72
19) n-Nitroso-di-n-propylamine	7.51	70	46525	11.763	ng	# 78
25) Isophorone	7.51	82	358208	43.103	ng	# 67
50) Dimethylphthalate	9.69	163	81797	9.537	ng	100
57) 2,4-Dinitrotoluene	9.99	165	13850	5.646	ng	# 17
67) 4-Bromophenyl-phenylether	10.78	248	5385	2.621	ng	# 1
71) Phenanthrene	11.50	178	42375	4.255	ng	99
72) Anthracene	11.50	178	42375	4.218	ng	99
75) Fluoranthene	12.70	202	88607	8.875	ng	98
78) Pyrene	12.93	202	69372	5.771	ng	98
80) Butylbenzylphthalate	13.53	149	22726	4.392	ng	96
81) Benzo(a)anthracene	14.12	228	26434	2.833	ng	98
83) Chrysene	14.16	228	32282	3.631	ng	99
88) Benzo(b)fluoranthene	15.20	252	42159	6.547	ng	# 90
89) Benzo(k)fluoranthene	15.20	252	42159	6.625	ng	# 89
90) Benzo(a)pyrene	15.59	252	18316	3.130	ng	# 94
92) Benzo(g,h,i)perylene	17.70	276	11480	2.337	ng	# 94

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

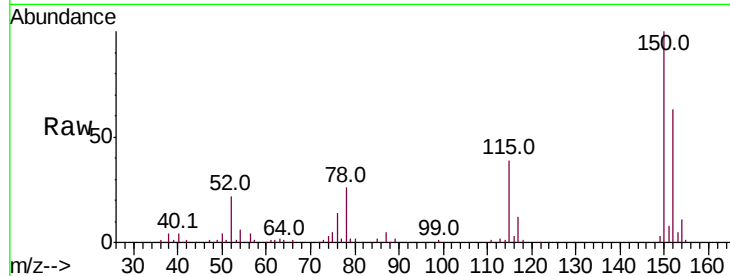


#1

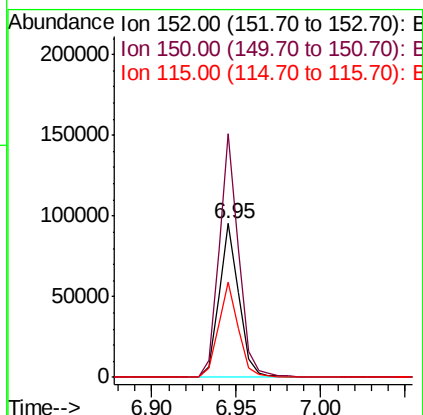
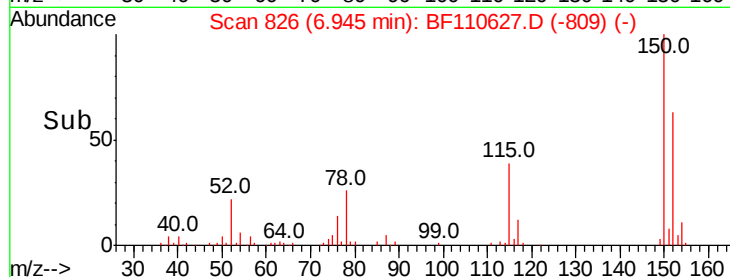
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110627.D
Acq: 9 Nov 2018 15:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 78708
Ion Ratio Lower Upper
152 100
150 158.4 122.7 184.1
115 62.3 49.1 73.7



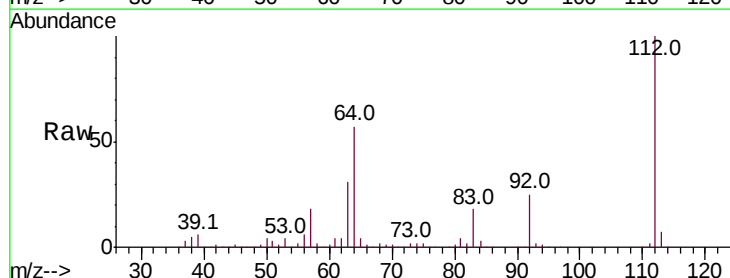
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



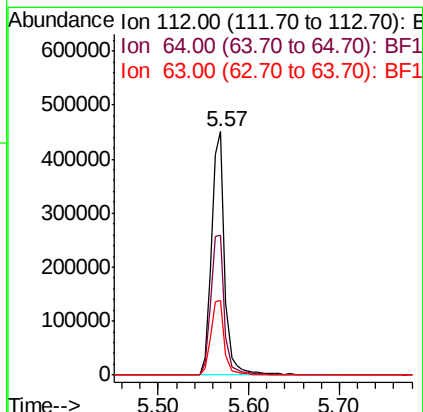
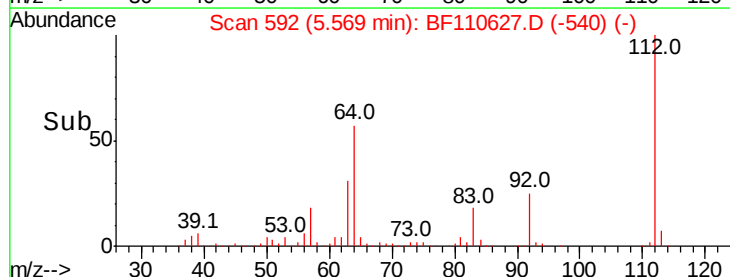
#5

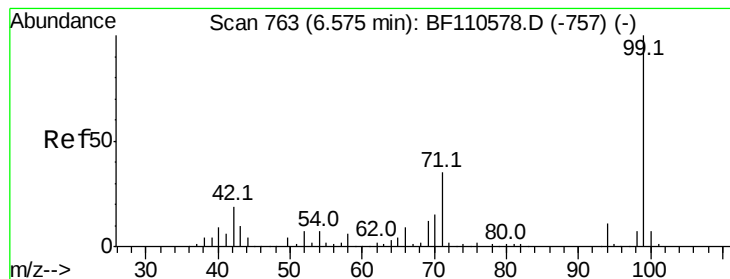
2-Fluorophenol
Concen: 95.779 ng
RT: 5.57 min Scan# 592
Delta R.T. 0.01 min
Lab File: BF110627.D
Acq: 9 Nov 2018 15:02

Tgt Ion:112 Resp: 464110
Ion Ratio Lower Upper
112 100
64 57.4 44.1 66.1
63 30.6 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: 95.188 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110627.D

Acq: 9 Nov 2018 15:02

Instrument :

BNA_F

ClientSampleId :

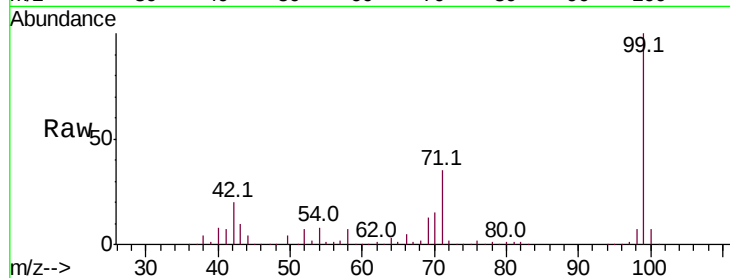
Tot Ion: 99 Resp: 589823

Ion Ratio Lower Upper

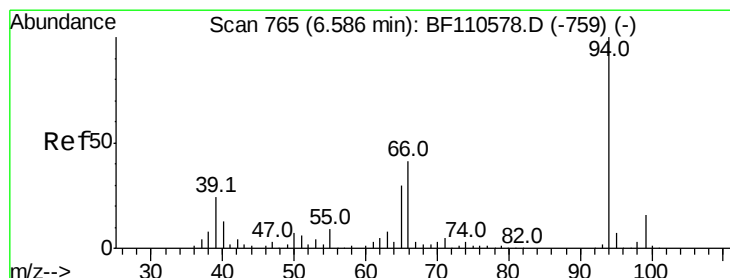
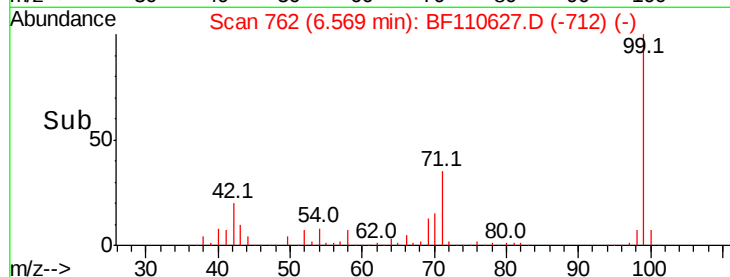
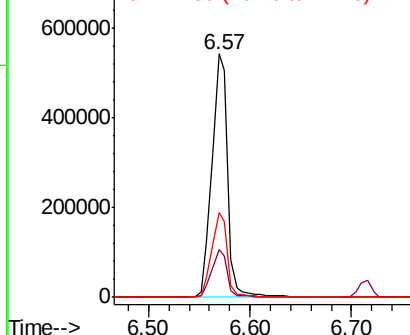
99 100

42 19.7 15.8 23.6

71 35.1 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: 5.390 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110627.D

Acq: 9 Nov 2018 15:02

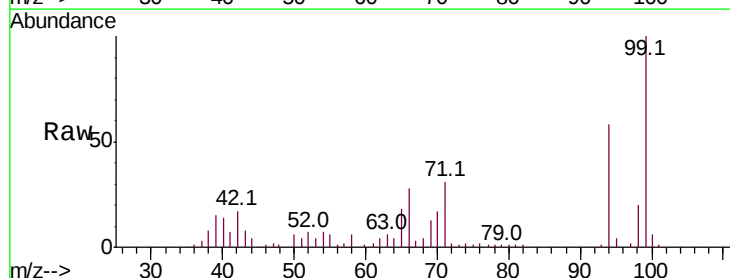
Tgt Ion: 94 Resp: 38726

Ion Ratio Lower Upper

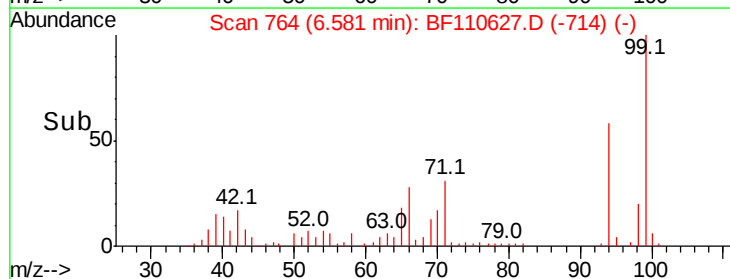
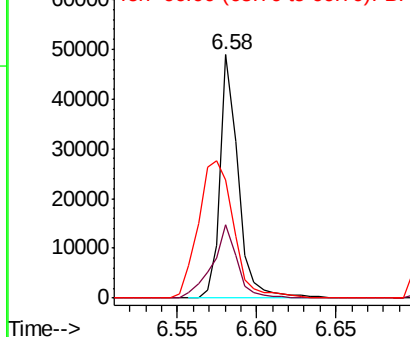
94 100

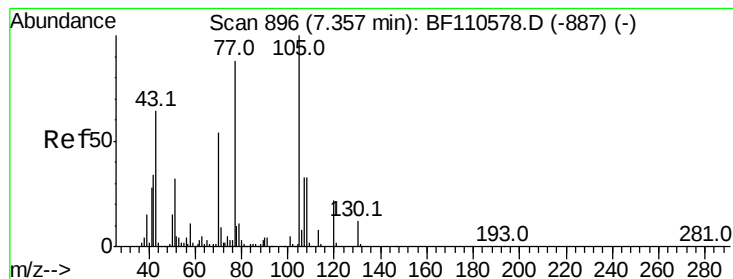
65 30.2 25.3 65.3

66 48.4 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: 11.763 ng

RT: 7.51 min Scan# 922

Delta R.T. 0.15 min

Lab File: BF110627.D

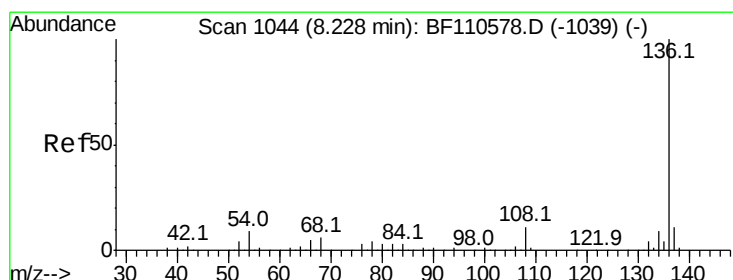
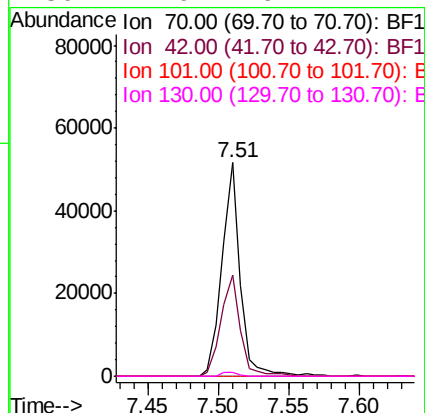
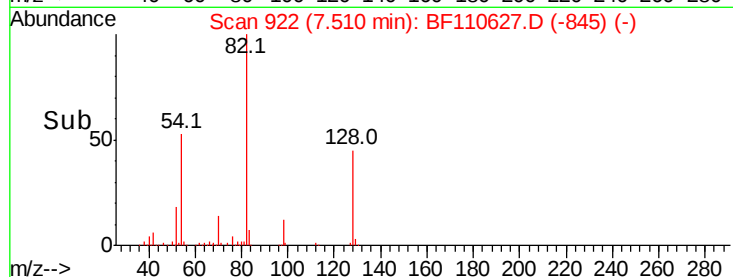
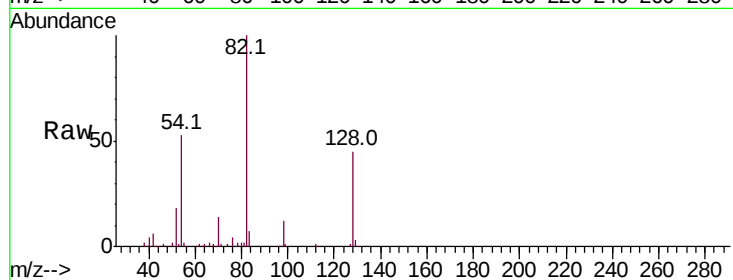
Acq: 9 Nov 2018 15:02

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	46525
Ion	Ratio	Lower	Upper
70	100		
42	47.4	47.4	71.2#
101	0.0	7.3	10.9#
130	1.9	16.2	24.2#



#21

Naphthalene-d8

Concen: 20.000 ng

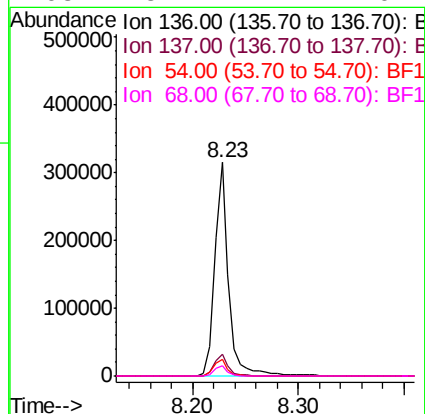
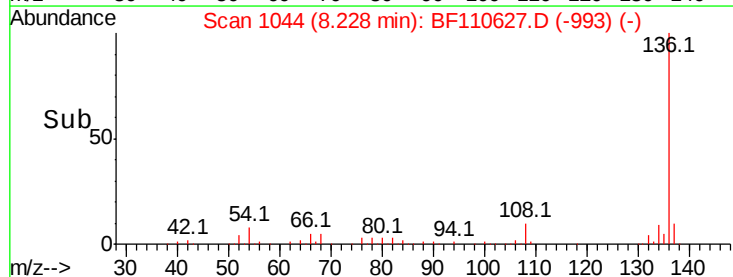
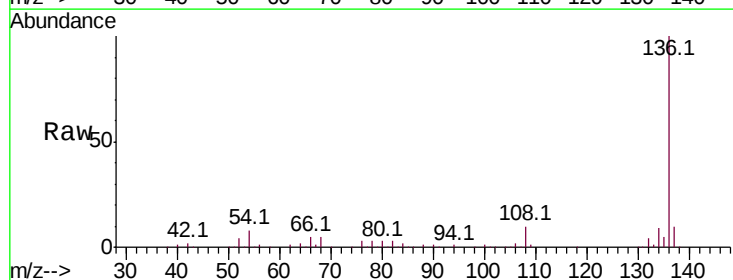
RT: 8.23 min Scan# 1044

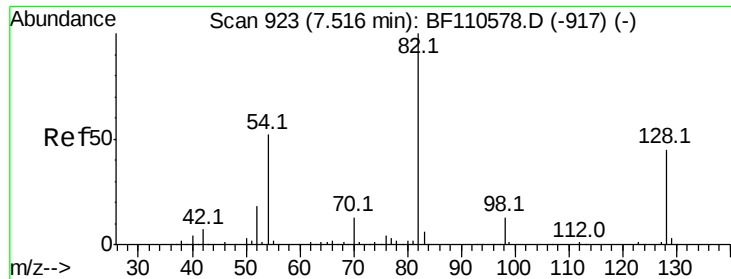
Delta R.T. 0.00 min

Lab File: BF110627.D

Acq: 9 Nov 2018 15:02

Tgt Ion:	136	Resp:	292007
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.8	13.2
54	7.8	5.4	8.2
68	5.1	4.2	6.2

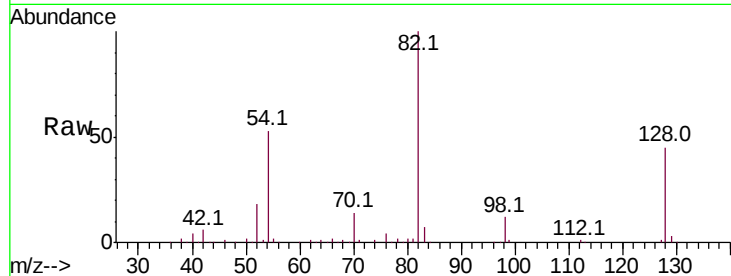




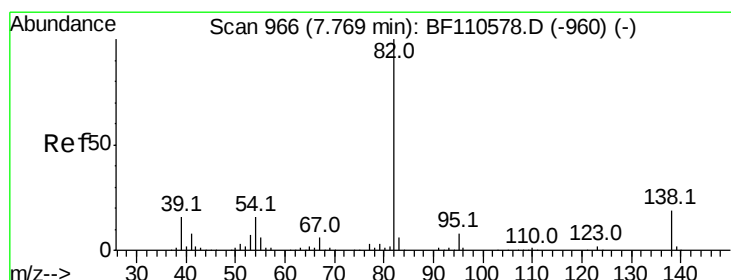
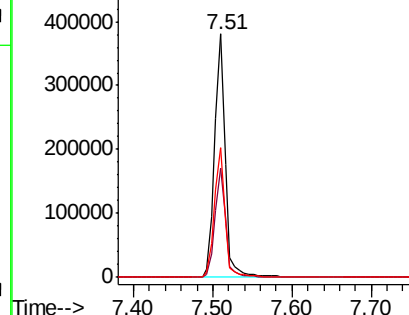
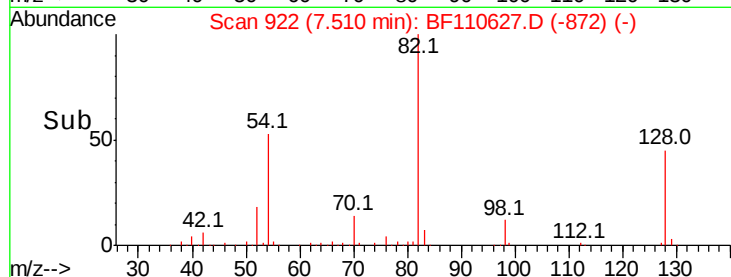
#23
 Nitrobenzene-d5
 Concen: 70.640 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF110627.D
 Acq: 9 Nov 2018 15:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	358179
Ion Ratio	Lower	Upper	
82	100		
128	45.0	34.2	51.2
54	53.3	38.6	58.0

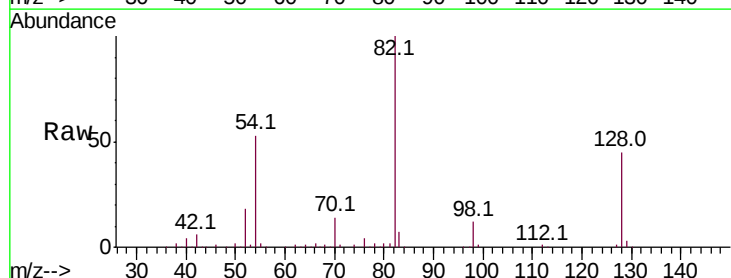


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

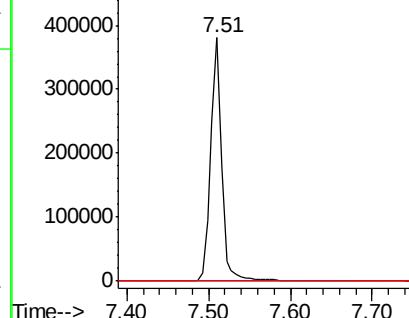
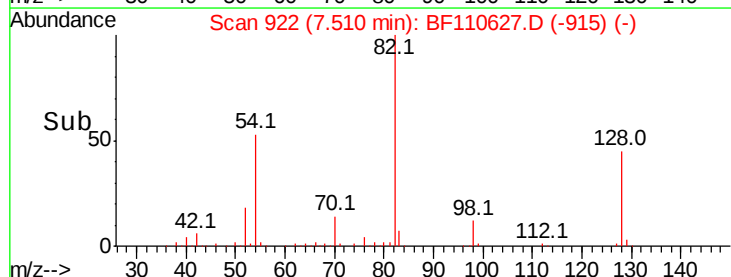


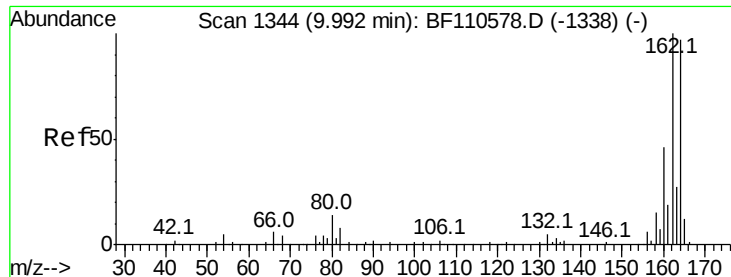
#25
 Isophorone
 Concen: 43.103 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.26 min
 Lab File: BF110627.D
 Acq: 9 Nov 2018 15:02

Tgt Ion	82	Resp	358208
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#



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

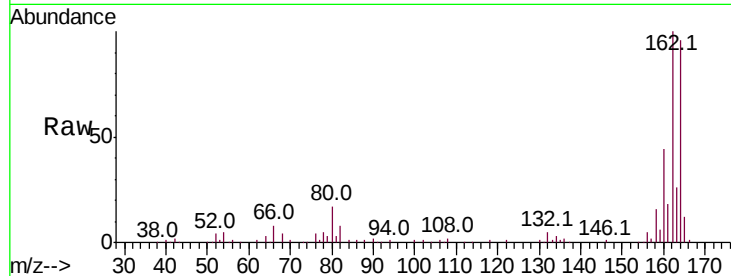




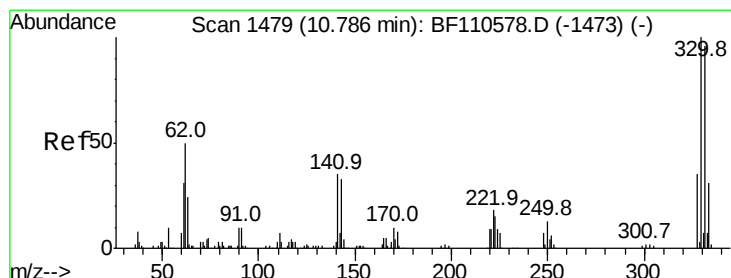
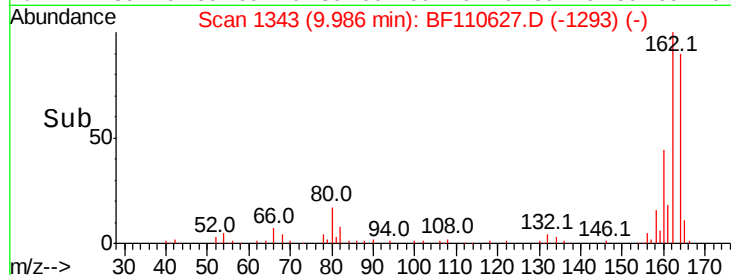
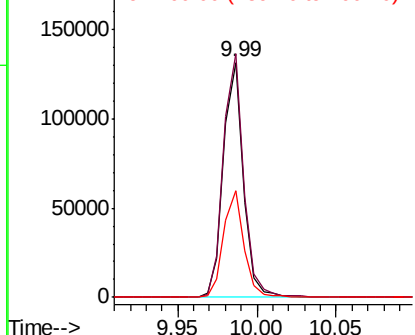
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF110627.D
Acq: 9 Nov 2018 15:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 114947
Ion Ratio Lower Upper
164 100
162 103.6 83.0 124.6
160 45.6 37.0 55.6

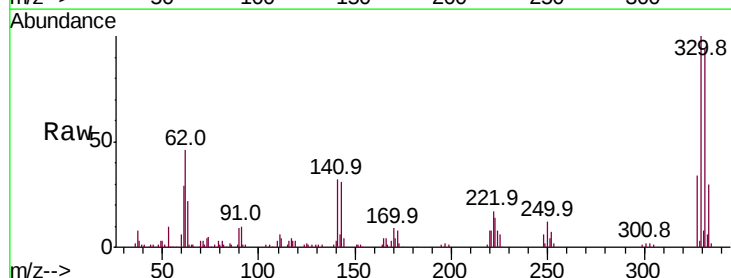


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

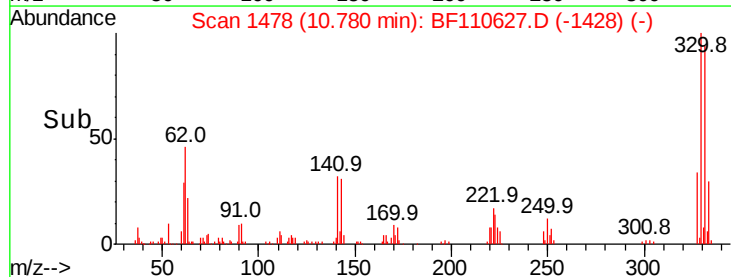
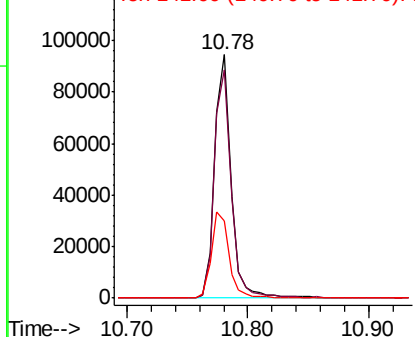


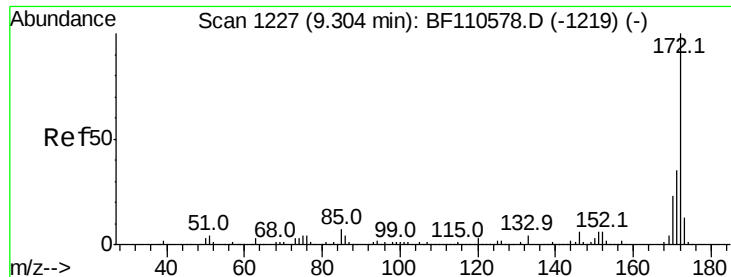
#42
2,4,6-Tribromophenol
Concen: 76.181 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BF110627.D
Acq: 9 Nov 2018 15:02

Tgt Ion:330 Resp: 88236
Ion Ratio Lower Upper
330 100
332 96.4 77.1 115.7
141 38.0 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

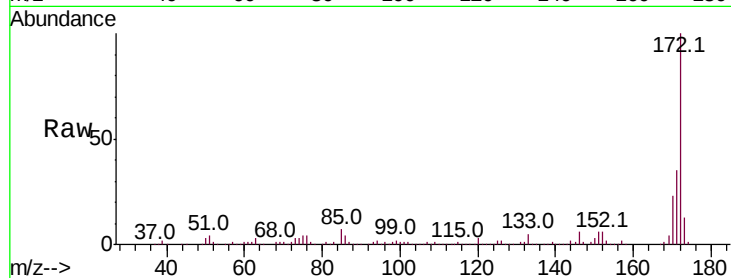




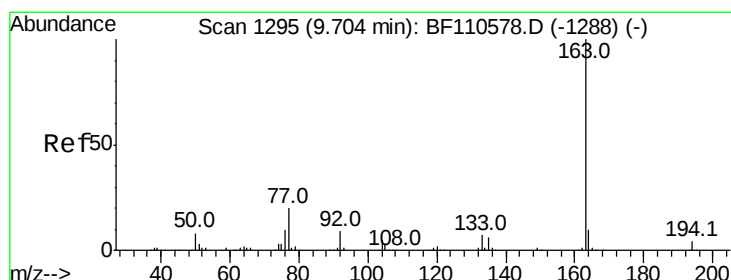
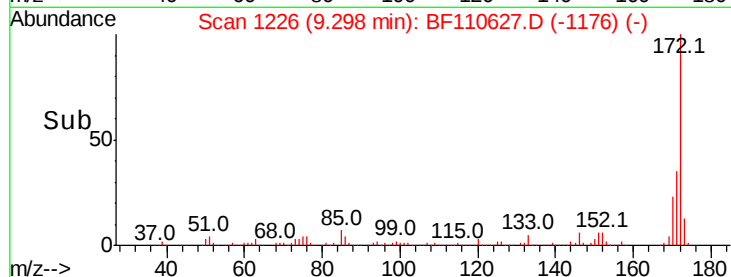
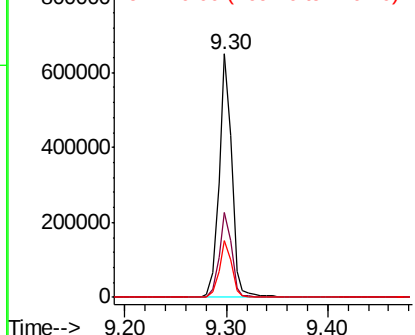
#45
2-Fluorobiphenyl
Concen: 69.906 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110627.D
Acq: 9 Nov 2018 15:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 562635
Ion Ratio Lower Upper
172 100
171 35.0 28.6 43.0
170 23.2 19.7 29.5

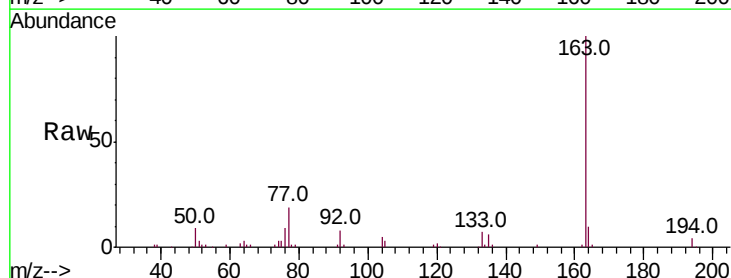


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

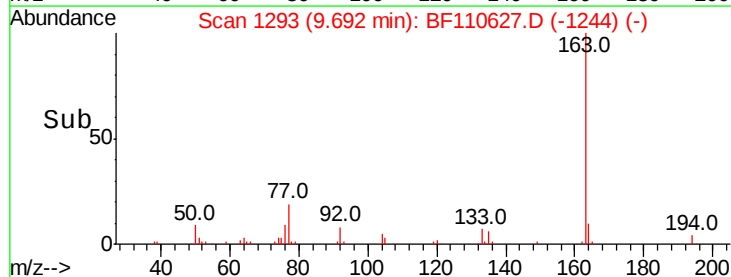
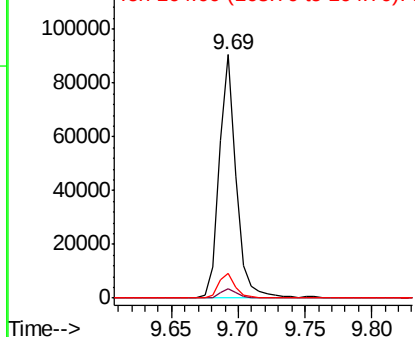


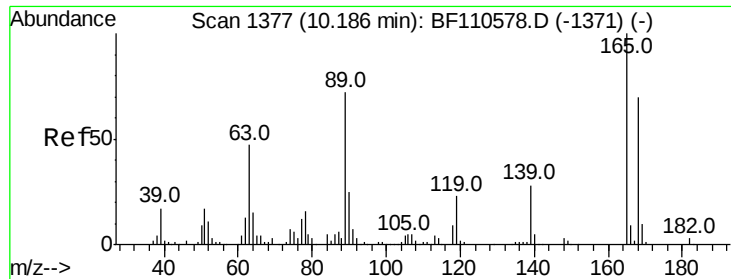
#50
Dimethylphthalate
Concen: 9.537 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110627.D
Acq: 9 Nov 2018 15:02

Tgt Ion:163 Resp: 81797
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 10.1 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

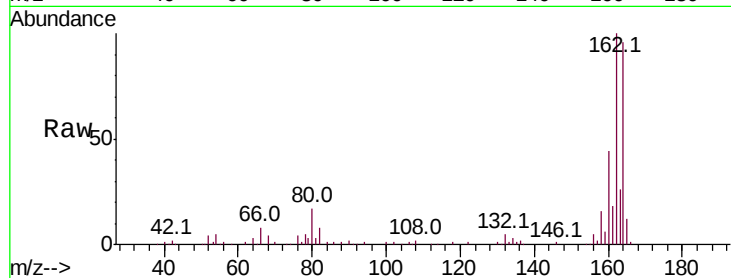




#57
 2,4-Dinitrotoluene
 Concen: 5.646 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.20 min
 Lab File: BF110627.D
 Acq: 9 Nov 2018 15:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	13850
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#



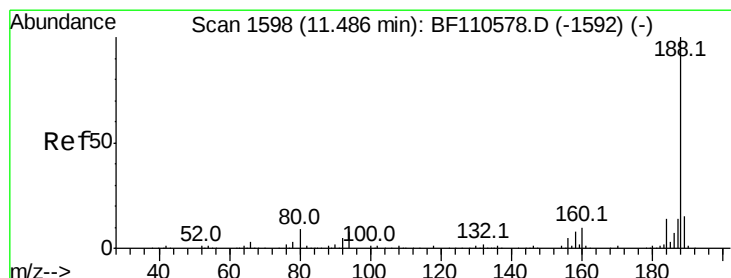
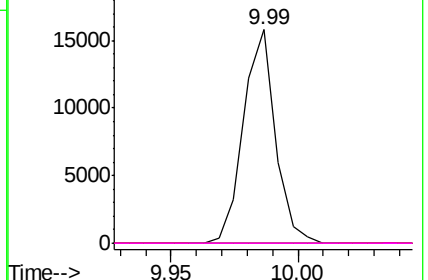
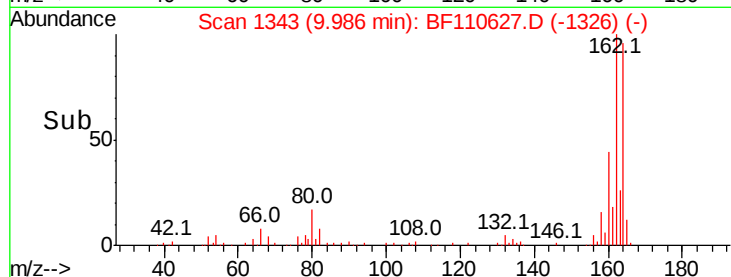
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

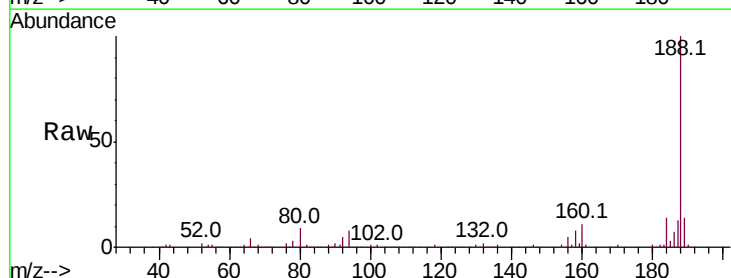
Ion 89.00 (88.70 to 89.70): BF1

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: BF110627.D
 Acq: 9 Nov 2018 15:02

Tgt Ion:188	Resp:	185876
Ion Ratio	Lower	Upper
188	100	
94	8.4	7.2 10.8
80	8.9	7.9 11.9

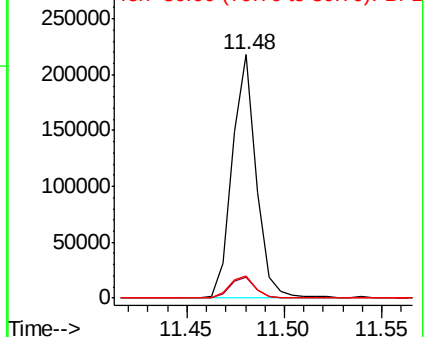
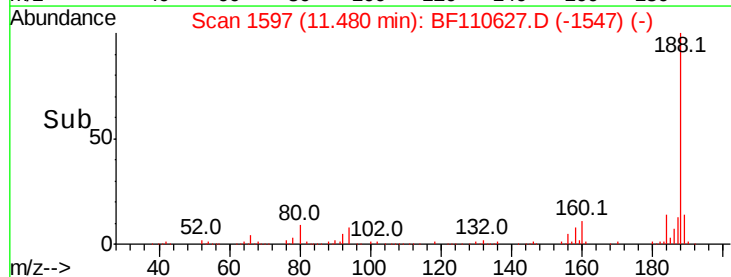


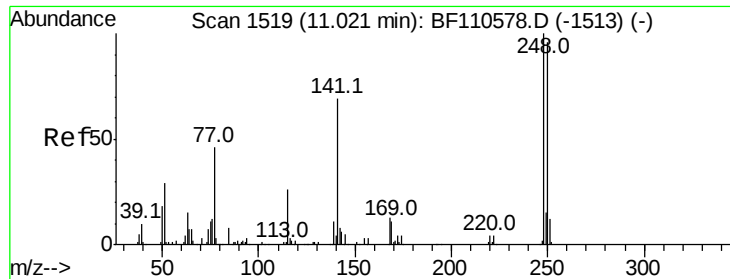
Abundance

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

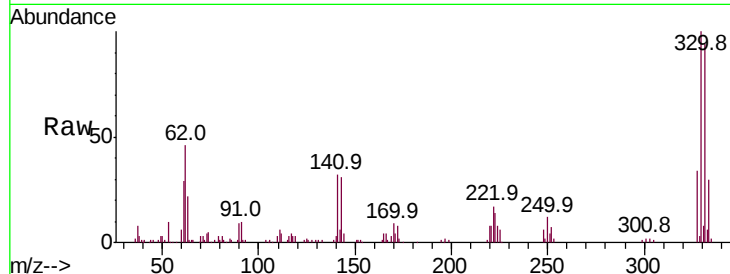




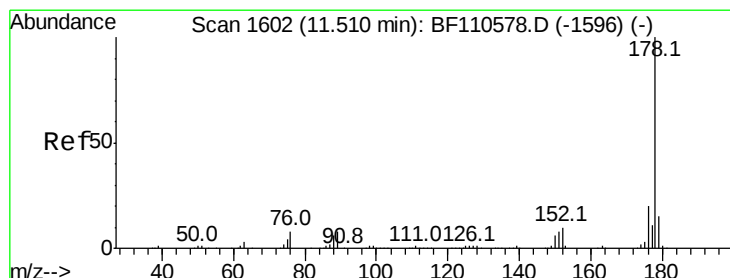
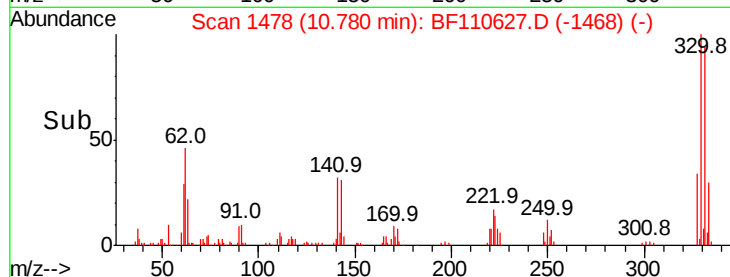
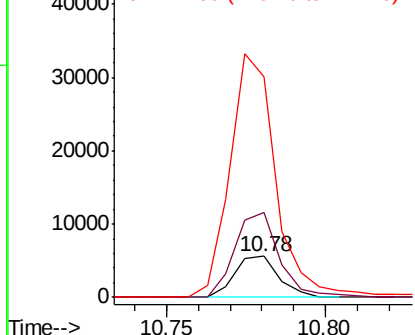
#67
 4-Bromophenyl-phenylether
 Concen: 2.621 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.24 min
 Lab File: BF110627.D
 Acq: 9 Nov 2018 15:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 5385
 Ion Ratio Lower Upper
 248 100
 250 206.3 79.4 119.2#
 141 535.7 55.9 83.9#

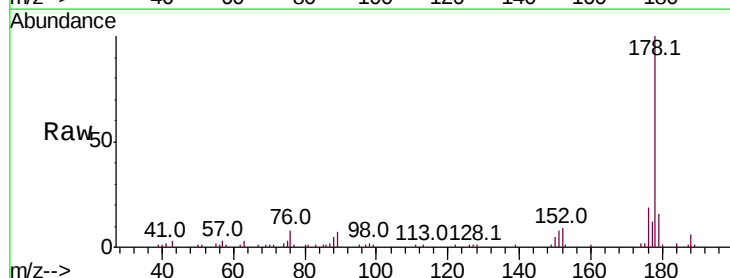


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

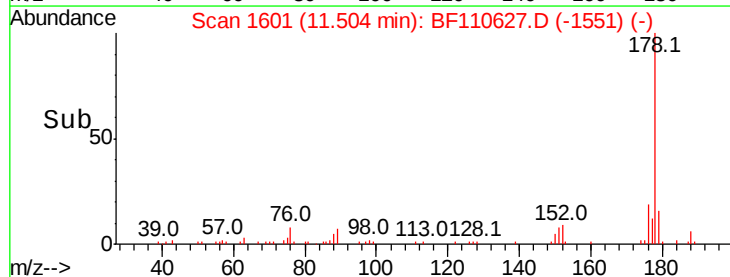
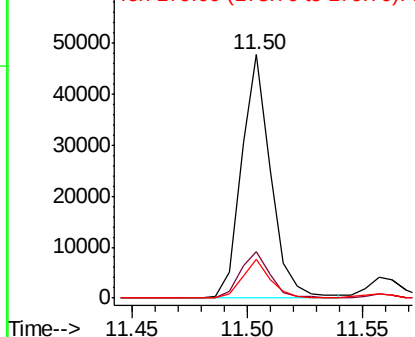


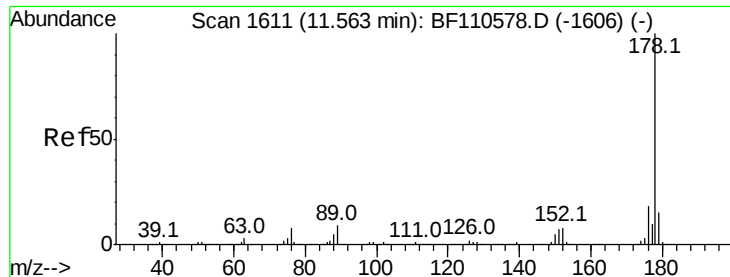
#71
 Phenanthrene
 Concen: 4.255 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF110627.D
 Acq: 9 Nov 2018 15:02

Tgt Ion:178 Resp: 42375
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.5 23.3
 179 16.0 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





#72

Anthracene

Concen: 4.218 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.06 min

Lab File: BF110627.D

Acq: 9 Nov 2018 15:02

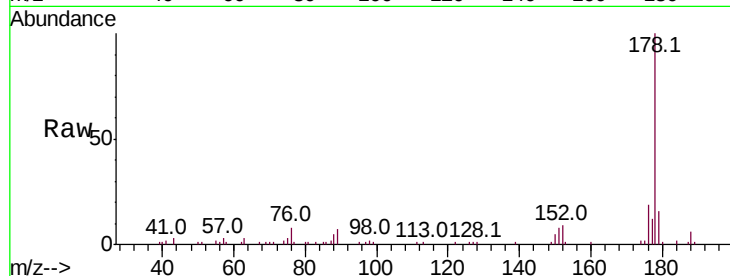
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 42375

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	16.0	12.6	18.8



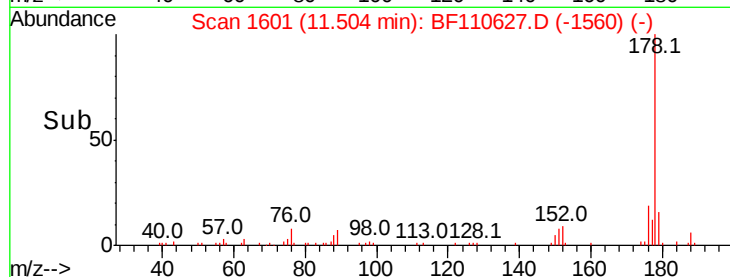
Abundance

Ion 178.00 (177.70 to 178.70): E

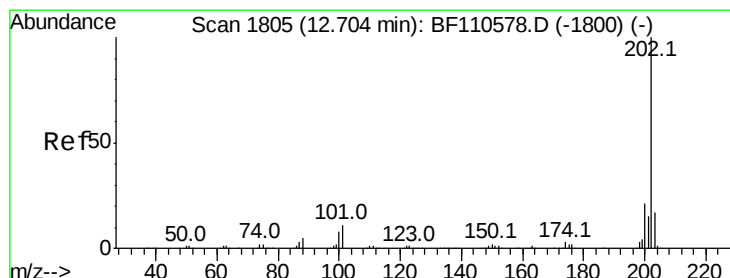
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time-->



Time-->



#75

Fluoranthene

Concen: 8.875 ng

RT: 12.70 min Scan# 1804

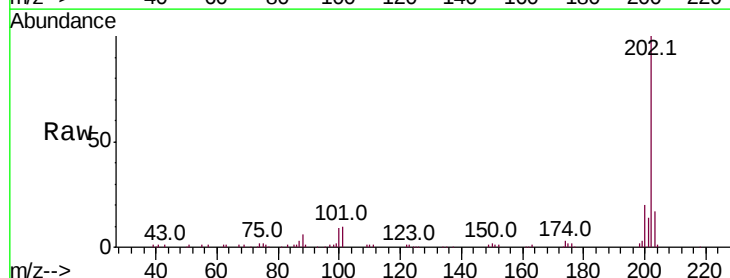
Delta R.T. -0.01 min

Lab File: BF110627.D

Acq: 9 Nov 2018 15:02

Tgt Ion:202 Resp: 88607

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	31.4
203	17.3	0.0	37.7



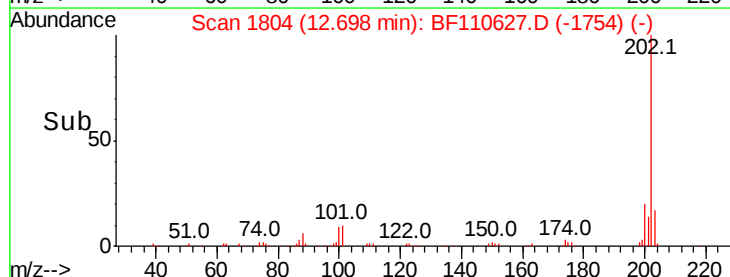
Abundance

Ion 202.00 (201.70 to 202.70): E

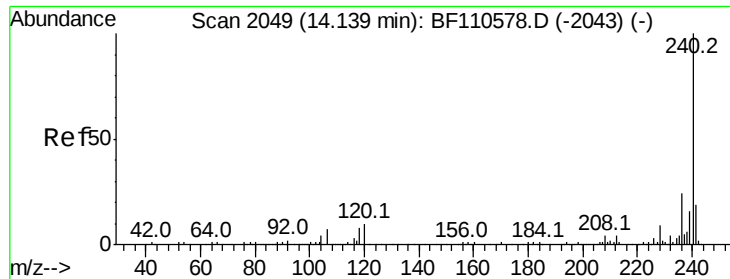
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->



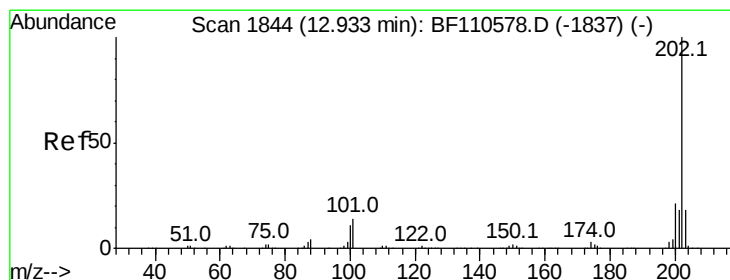
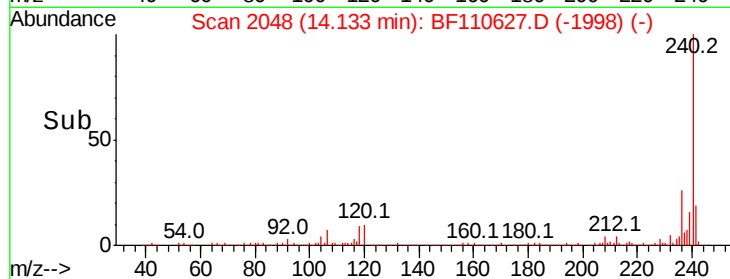
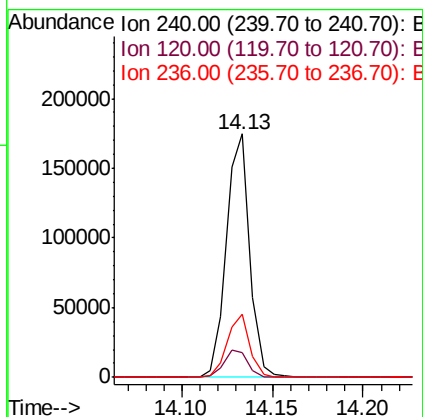
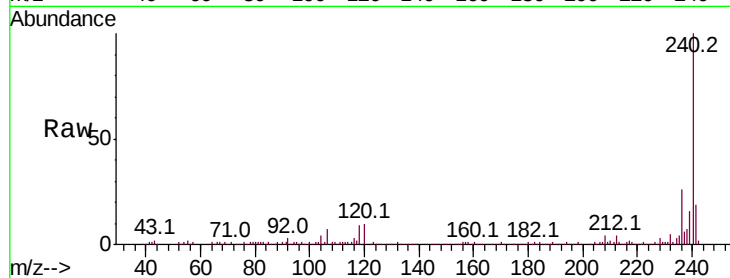
Time-->



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF110627.D
Acq: 9 Nov 2018 15:02

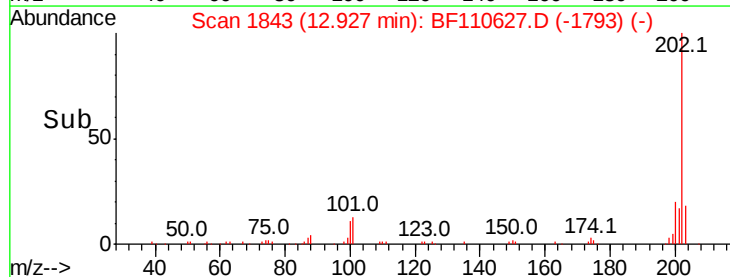
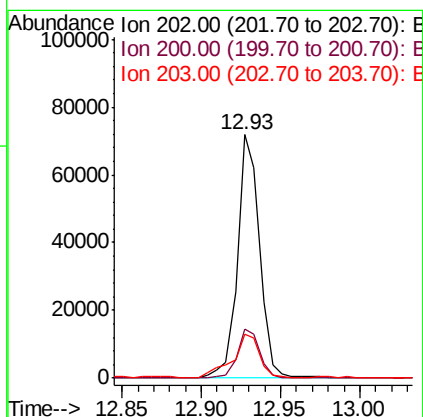
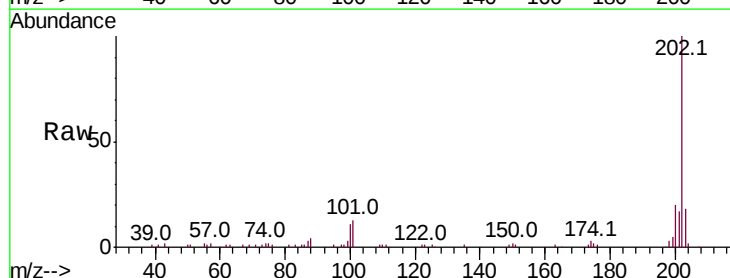
Instrument :
BNA_F
ClientSampleId :

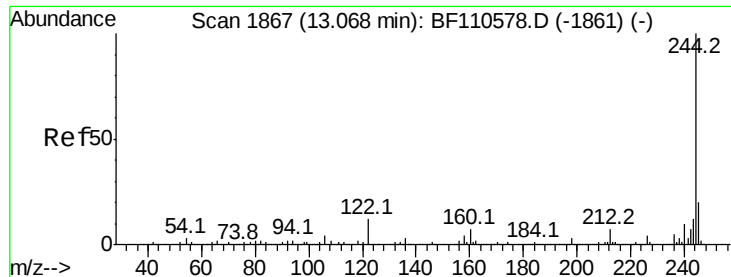
Tot Ion:240 Resp: 156127
Ion Ratio Lower Upper
240 100
120 9.9 8.3 12.5
236 26.1 21.2 31.8



#78
Pyrene
Concen: 5.771 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF110627.D
Acq: 9 Nov 2018 15:02

Tgt Ion:202 Resp: 69372
Ion Ratio Lower Upper
202 100
200 20.3 17.8 26.6
203 17.9 14.2 21.4





#79

Terphenyl-d14

Concen: 53.010 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110627.D

Acq: 9 Nov 2018 15:02

Instrument :

BNA_F

ClientSampleId :

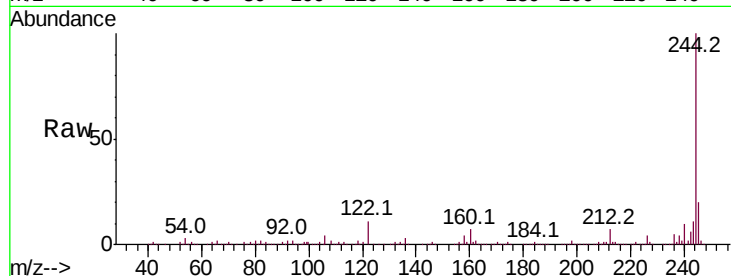
Tot Ion:244 Resp: 441931

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

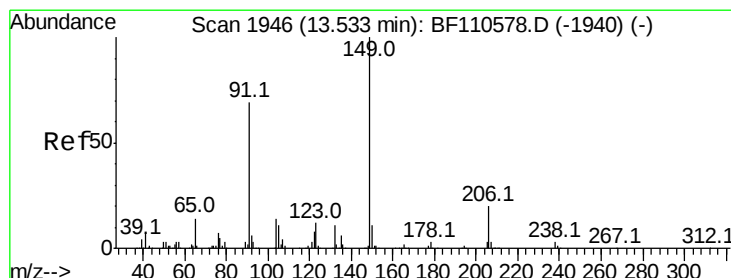
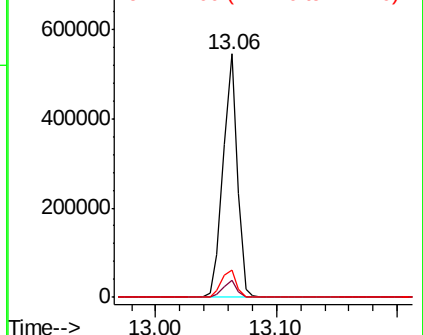
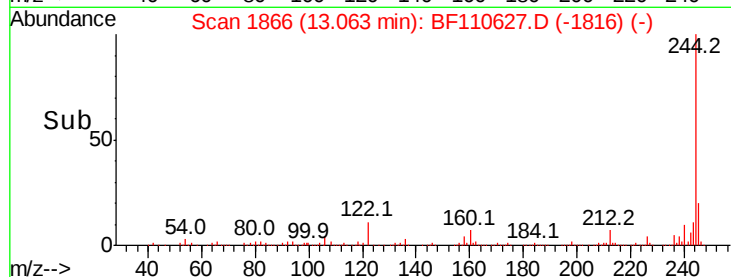
122 11.0 8.7 13.1



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

Butylbenzylphthalate

Concen: 4.392 ng

RT: 13.53 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BF110627.D

Acq: 9 Nov 2018 15:02

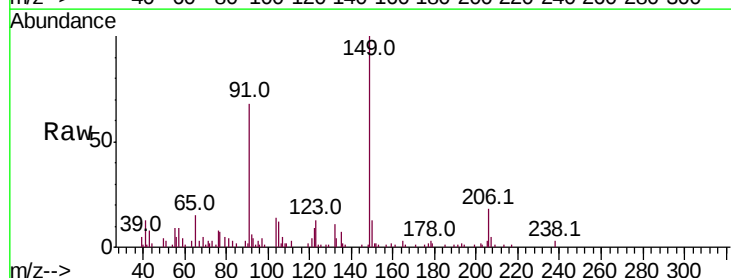
Tgt Ion:149 Resp: 22726

Ion Ratio Lower Upper

149 100

91 68.0 57.2 85.8

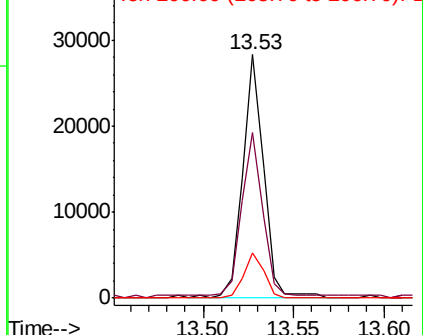
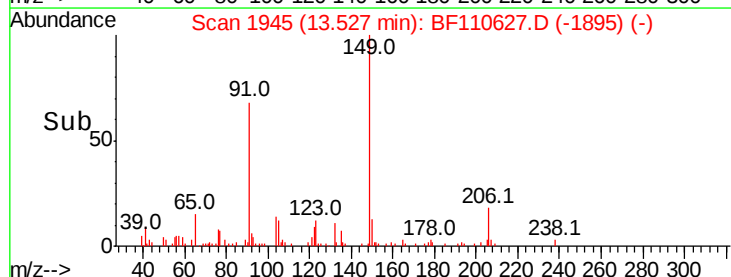
206 18.4 15.7 23.5

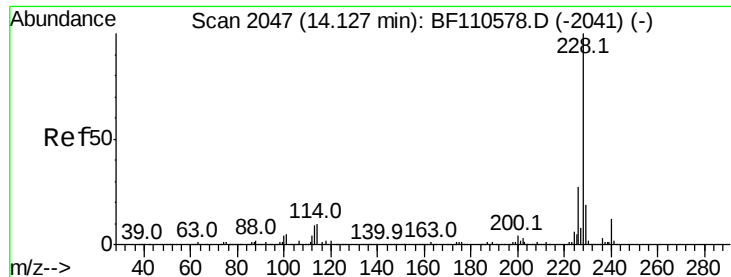


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 2.833 ng

RT: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BF110627.D

Acq: 9 Nov 2018 15:02

Instrument :

BNA_F

ClientSampleId :

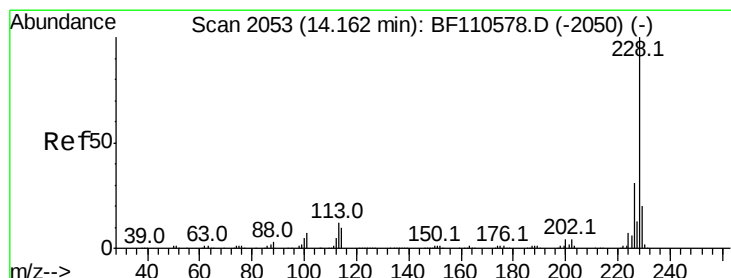
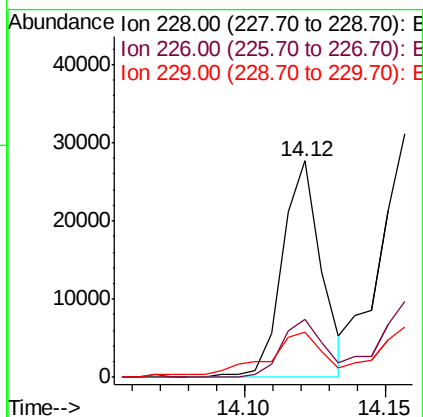
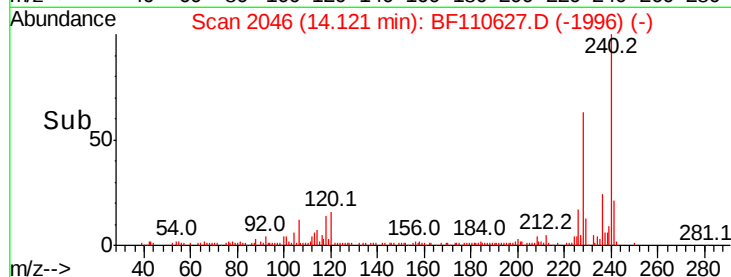
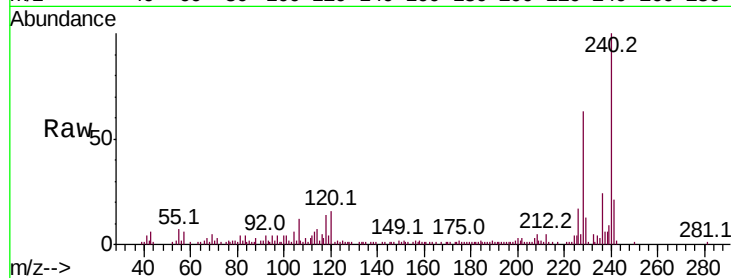
Tot Ion:228 Resp: 26434

Ion Ratio Lower Upper

228 100

226 27.1 22.1 33.1

229 21.2 15.6 23.4



#83

Chrysene

Concen: 3.631 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF110627.D

Acq: 9 Nov 2018 15:02

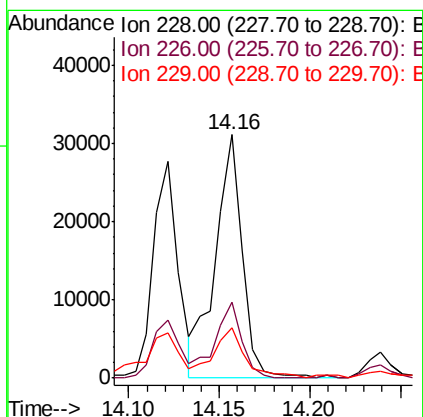
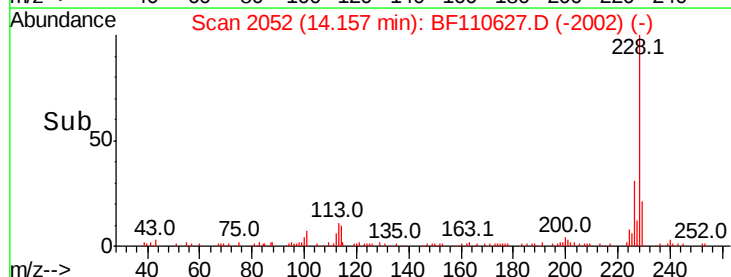
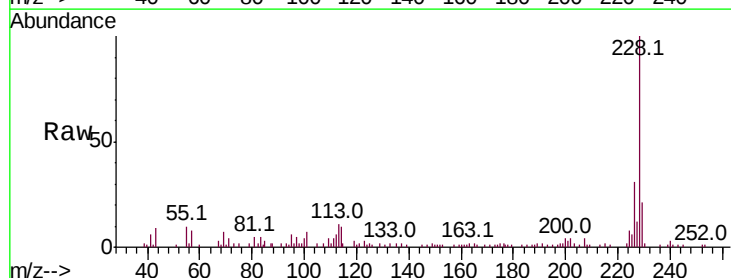
Tgt Ion:228 Resp: 32282

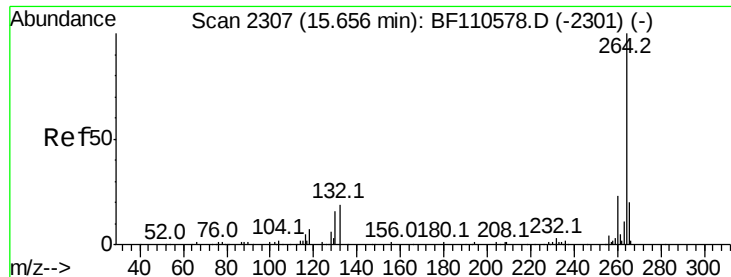
Ion Ratio Lower Upper

228 100

226 31.1 24.7 37.1

229 20.7 15.9 23.9



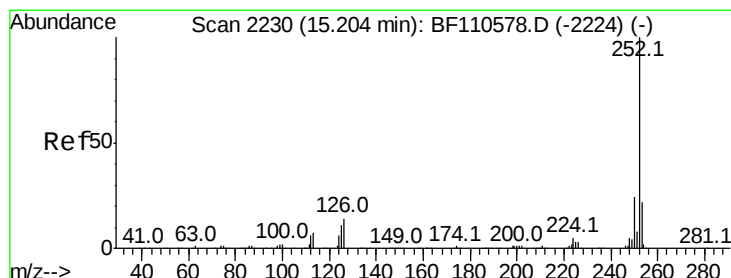
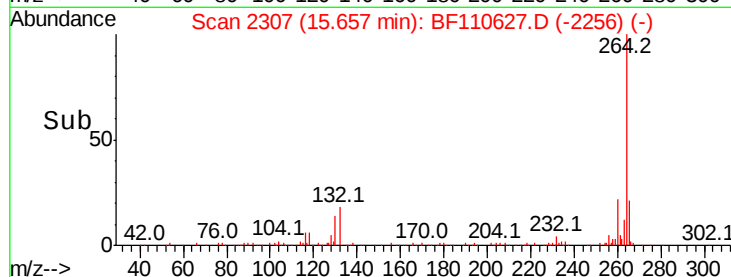
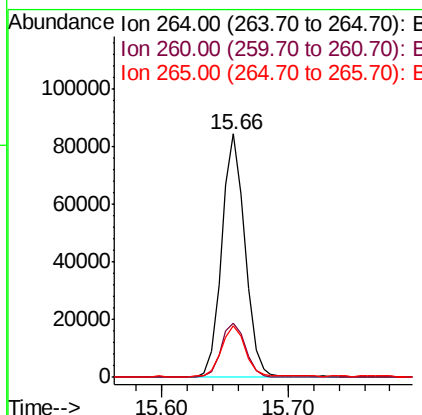
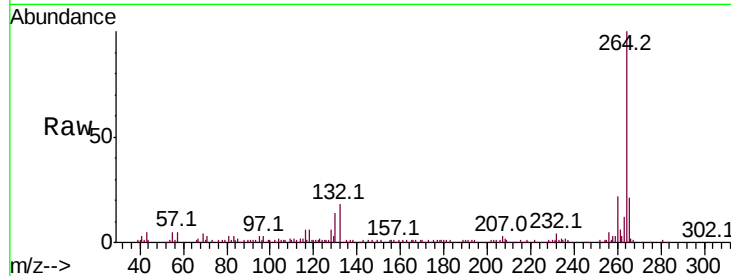


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110627.D
Acq: 9 Nov 2018 15:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 107646

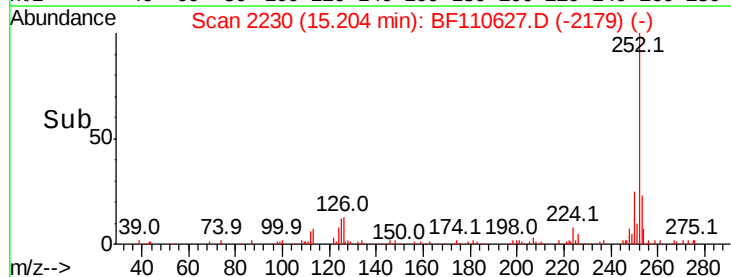
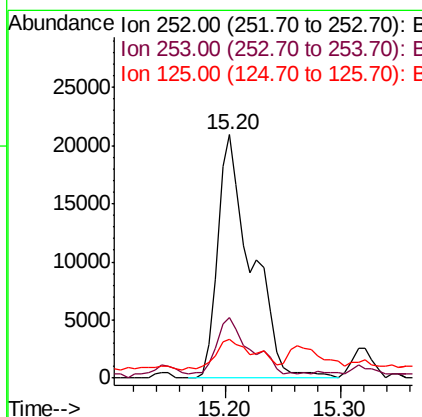
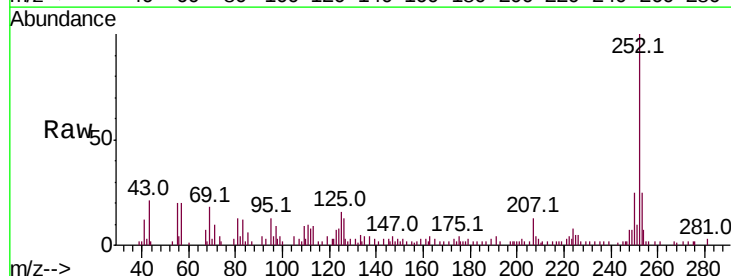
Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.7	28.1
265	21.1	16.7	25.1

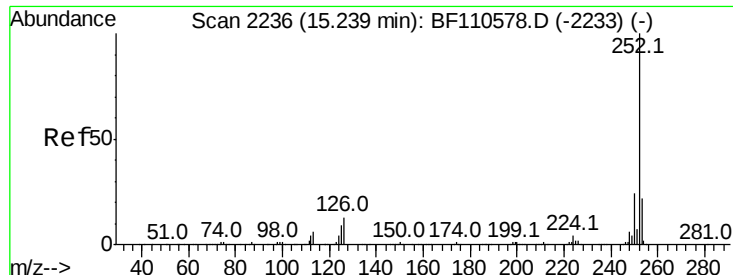


#88
Benzo(b)fluoranthene
Concen: 6.547 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110627.D
Acq: 9 Nov 2018 15:02

Tgt Ion:252 Resp: 42159

Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.2	25.8
125	16.1	8.2	12.4#

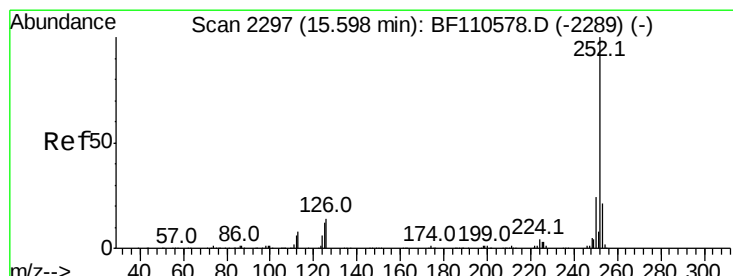
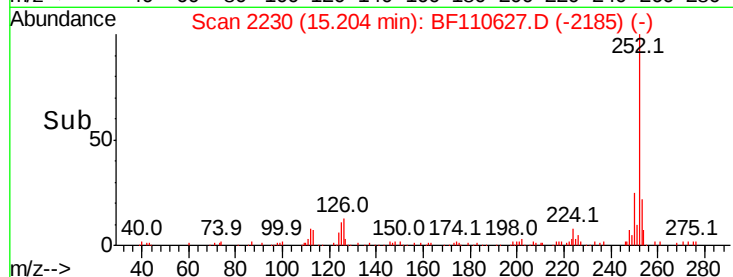
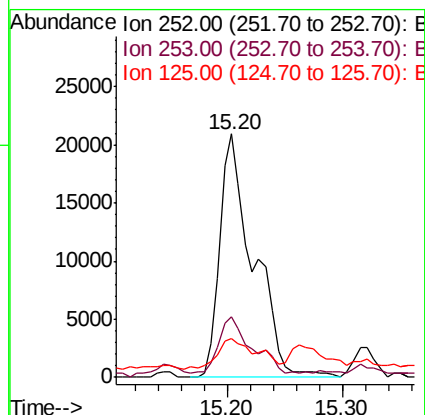
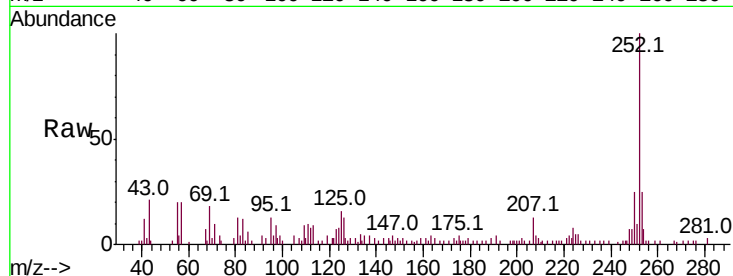




#89
Benzo(k)fluoranthene
Concen: 6.625 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110627.D
Acq: 9 Nov 2018 15:02

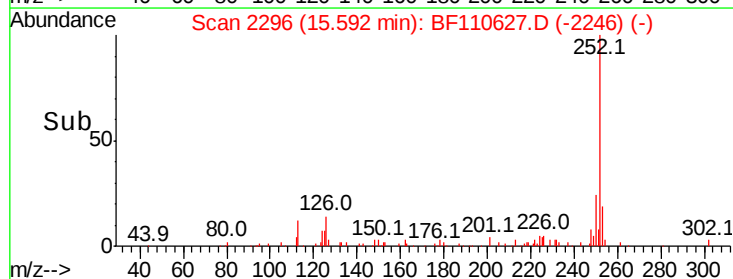
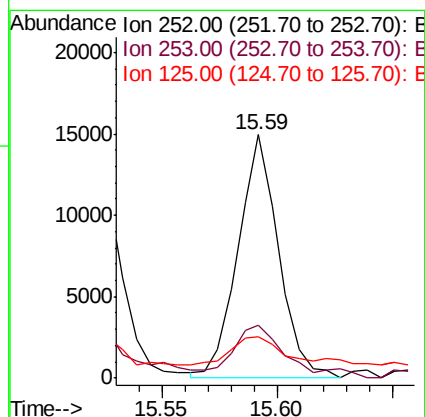
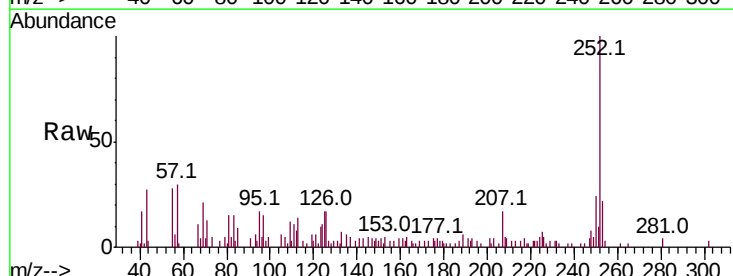
Instrument :
BNA_F
ClientSampleId :

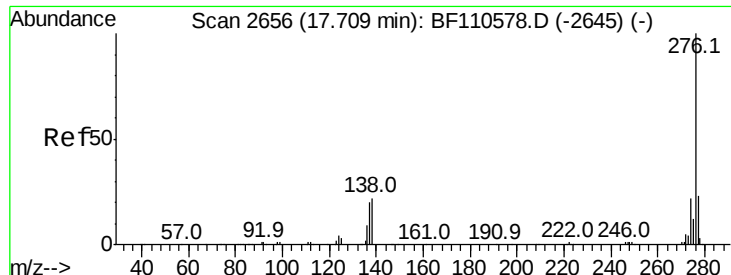
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.2	25.8
125	16.1	7.4	11.0



#90
Benzo(a)pyrene
Concen: 3.130 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF110627.D
Acq: 9 Nov 2018 15:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.2	27.4
125	17.0	9.0	13.6





#92

Benzo(a,h,i)perylene

Concen: 2.337 ng

RT: 17.70 min Scan# 2655

Delta R.T. -0.01 min

Lab File: BF110627.D

Acq: 9 Nov 2018 15:02

Instrument :

BNA_F

ClientSampleId :

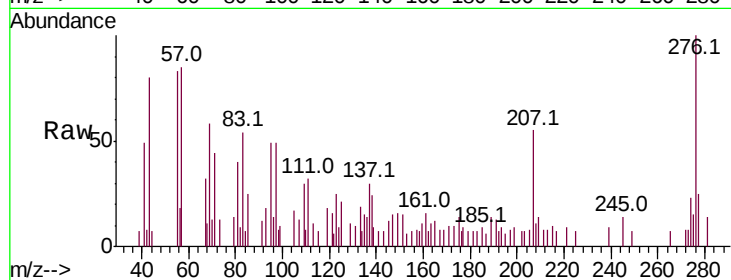
Tot Ion:276 Resp: 11480

Ion Ratio Lower Upper

276 100

277 24.7 18.8 28.2

138 24.2 16.0 24.0



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

