

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\
 Data File : BF110625.D
 Acq On : 9 Nov 2018 14:08
 Operator : JU/SJ
 Sample : J5813-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 09 17:16:57 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	74985	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	282590	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	107463	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	175172	20.00	ng	0.00
76) Chrysene-d12	14.13	240	151092	20.00	ng	0.00
87) Perylene-d12	15.66	264	104342	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	466455	101.04	ng	0.00
7) Phenol-d6	6.57	99	587599	99.54	ng	0.00
23) Nitrobenzene-d5	7.51	82	355941	72.54	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	82544	76.23	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	496435	65.98	ng	0.00
79) Terphenyl-d14	13.06	244	399708	49.54	ng	0.00

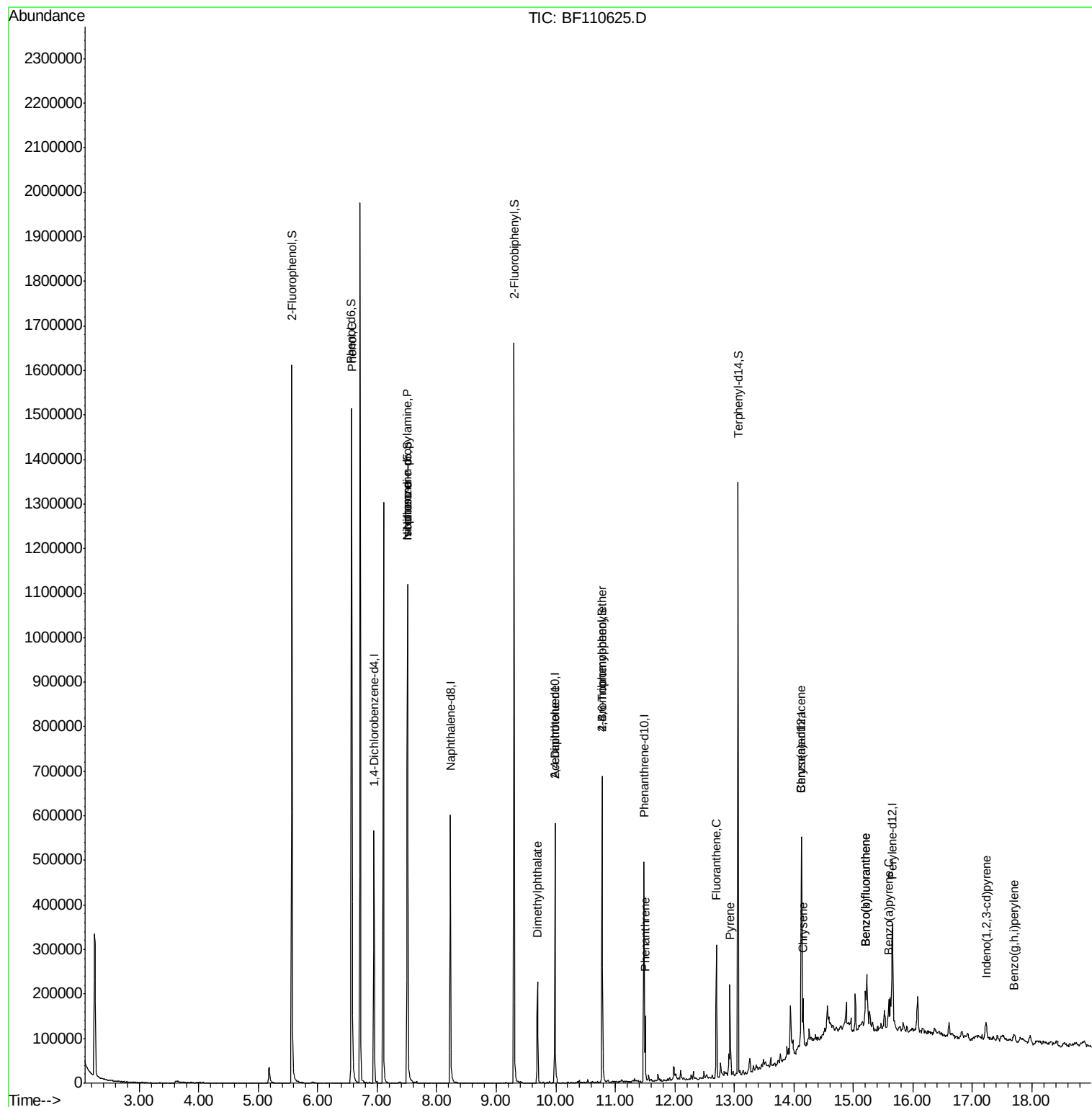
Target Compounds				Qvalue		
9) Benzaldehyde	6.57	77	1207	Below Cal	#	1
10) Phenol	6.58	94	36822	5.379 ng	#	74
19) n-Nitroso-di-n-propylamine	7.51	70	46582	12.362 ng	#	81
25) Isophorone	7.51	82	355939	44.257 ng	#	67
50) Dimethylphthalate	9.69	163	94329	11.764 ng		100
57) 2,4-Dinitrotoluene	9.99	165	13769	6.003 ng	#	17
67) 4-Bromophenyl-phenylether	10.78	248	5373	2.775 ng	#	1
71) Phenanthrene	11.50	178	51316	5.468 ng		98
75) Fluoranthene	12.70	202	110859	11.782 ng		99
78) Pyrene	12.93	202	85851	7.379 ng		98
81) Benzo(a)anthracene	14.12	228	36098	3.997 ng		96
83) Chrysene	14.16	228	41289	4.799 ng		97
86) Indeno(1,2,3-cd)pyrene	17.23	276	16364	2.650 ng	#	89
88) Benzo(b)fluoranthene	15.20	252	54477	8.727 ng	#	92
89) Benzo(k)fluoranthene	15.20	252	54477	8.832 ng	#	92
90) Benzo(a)pyrene	15.59	252	23644	4.169 ng	#	90
92) Benzo(a,h,i)perylene	17.71	276	15566	3.269 ng		95

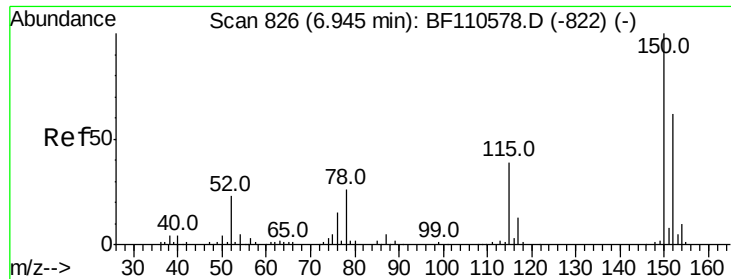
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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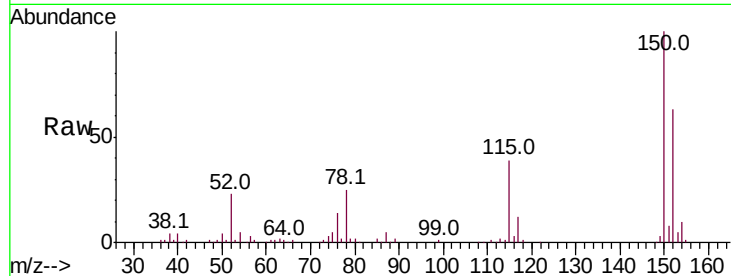


#1

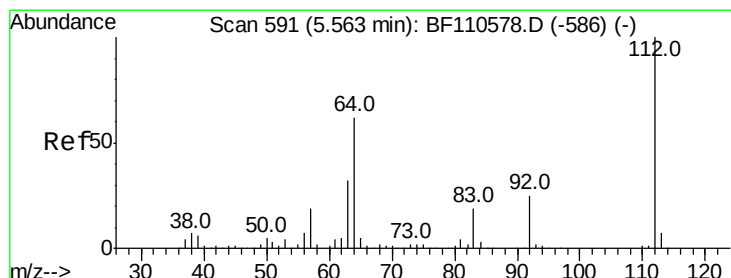
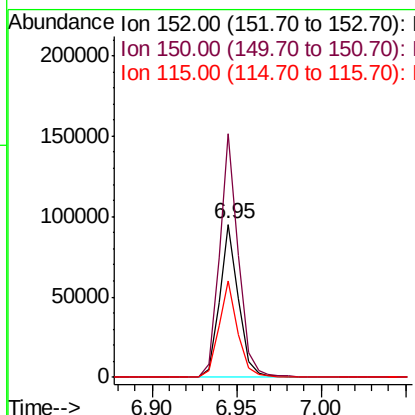
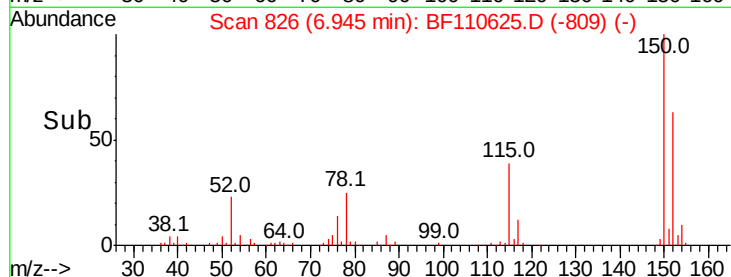
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 74985
Ion Ratio Lower Upper
152 100
150 159.0 122.7 184.1
115 62.8 49.1 73.7



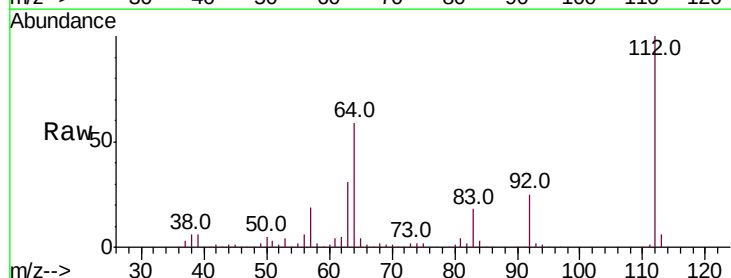
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



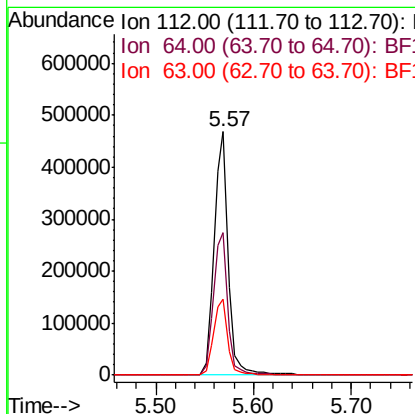
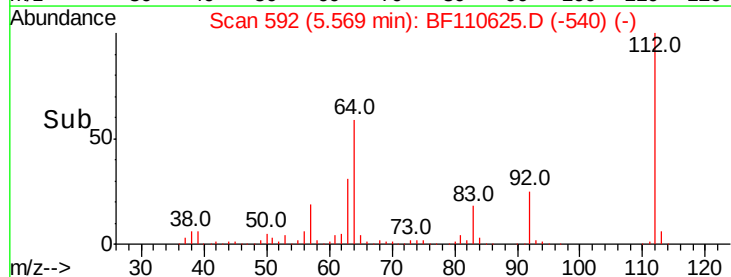
#5

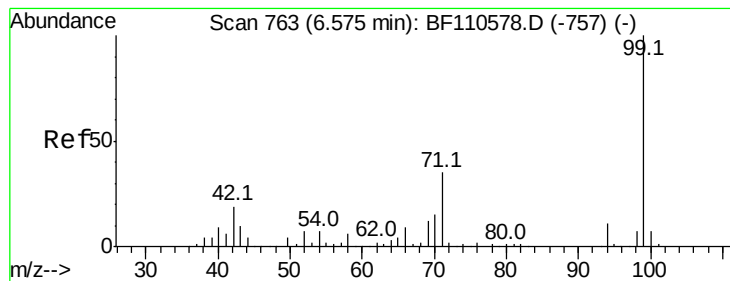
2-Fluorophenol
Concen: 101.043 ng
RT: 5.57 min Scan# 592
Delta R.T. 0.01 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

Tgt Ion:112 Resp: 466455
Ion Ratio Lower Upper
112 100
64 58.5 44.1 66.1
63 31.1 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: 99.538 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.00 min

Lab File: BF110625.D

Acq: 9 Nov 2018 14:08

Instrument :
BNA_F
ClientSampleId :

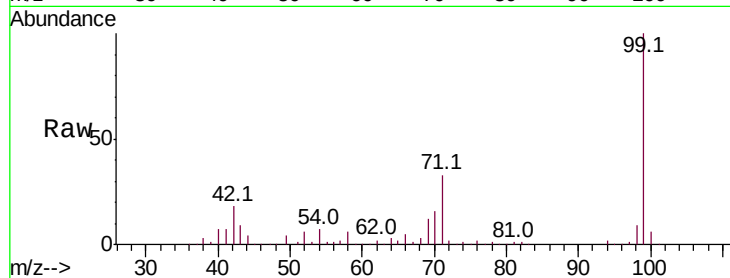
Tot Ion: 99 Resp: 587599

Ion	Ratio	Lower	Upper
99	100		
42	17.9	15.8	23.6
71	33.1	28.0	42.0

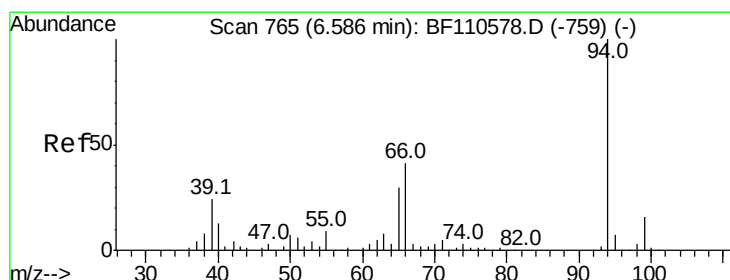
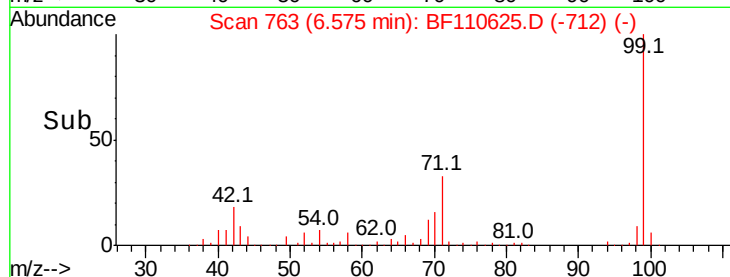
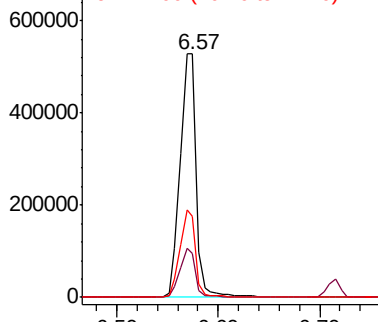
99 100

42 17.9 15.8 23.6

71 33.1 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: 5.379 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110625.D

Acq: 9 Nov 2018 14:08

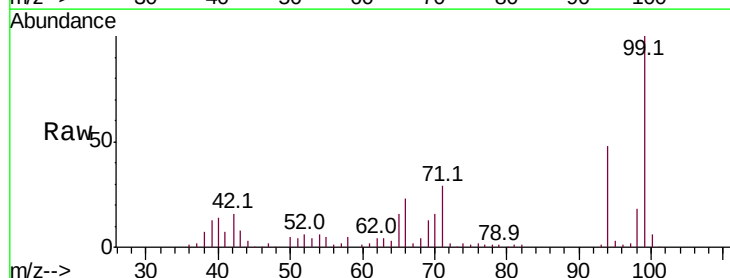
Tgt Ion: 94 Resp: 36822

Ion	Ratio	Lower	Upper
94	100		
65	32.7	25.3	65.3
66	48.9	54.5	94.5#

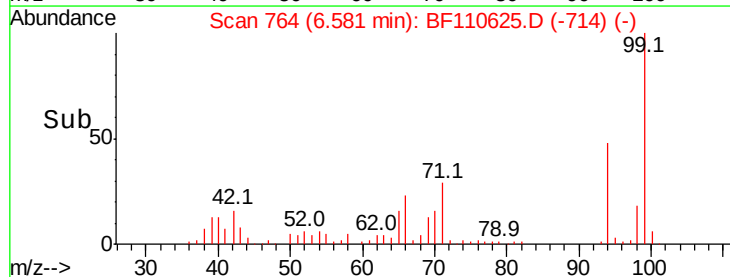
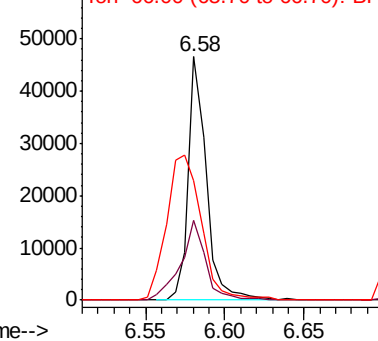
94 100

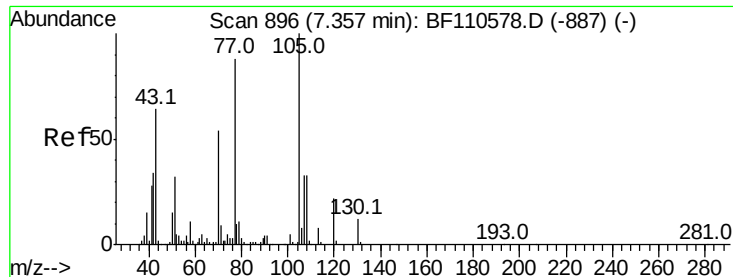
65 32.7 25.3 65.3

66 48.9 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

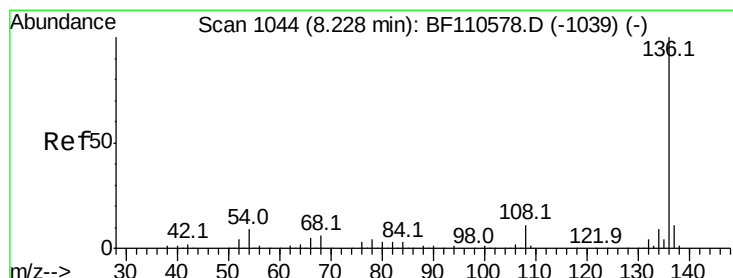
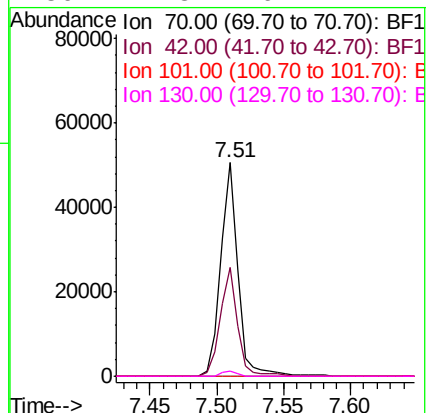
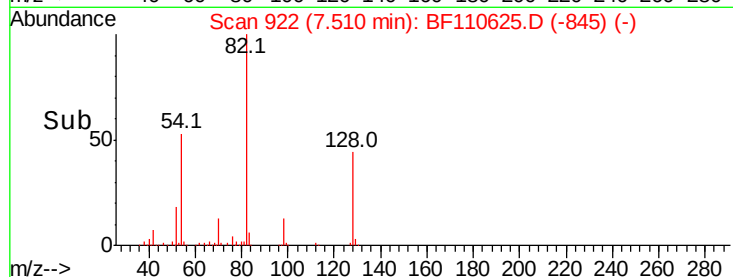
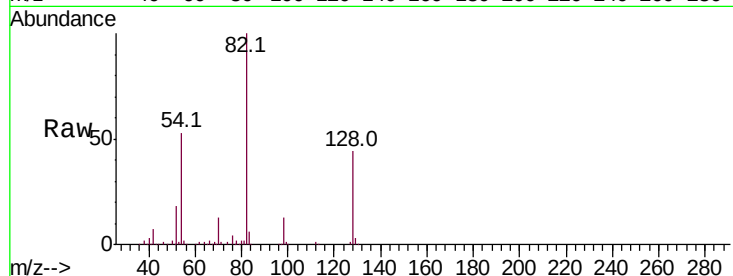




#19
n-Nitroso-di-n-propylamine
Concen: 12.362 ng
RT: 7.51 min Scan# 922
Delta R.T. 0.15 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

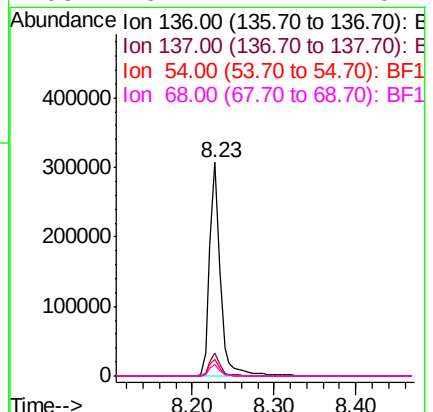
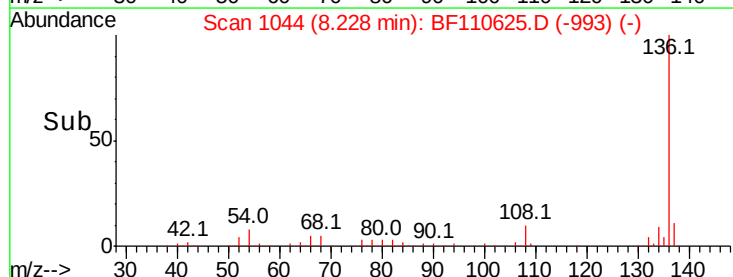
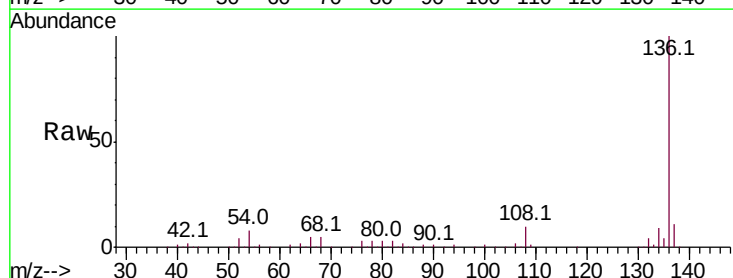
Instrument :
BNA_F
ClientSampleId :

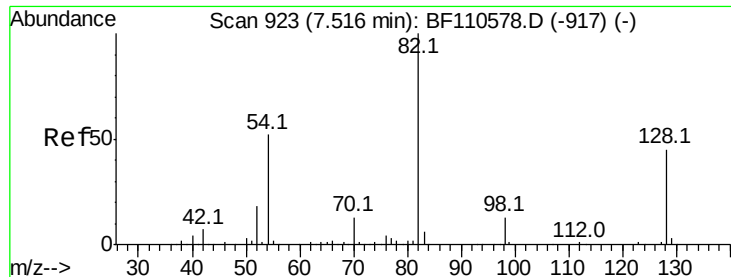
Tot Ion: 70 Resp: 46582
Ion Ratio Lower Upper
70 100
42 51.2 47.4 71.2
101 0.0 7.3 10.9#
130 2.3 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

Tgt Ion: 136 Resp: 282590
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.1 5.4 8.2
68 5.2 4.2 6.2

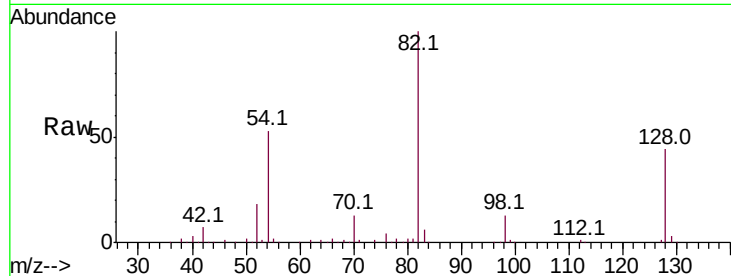




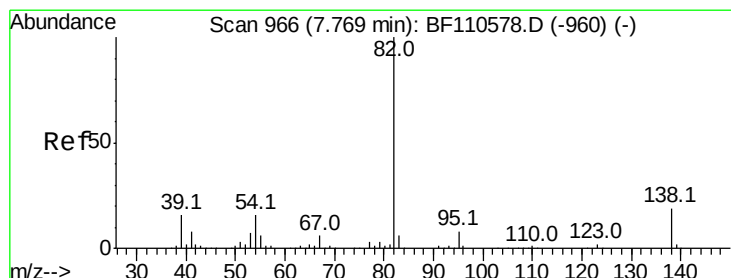
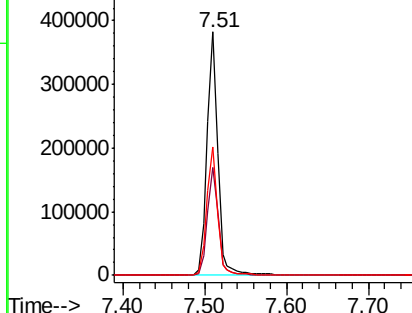
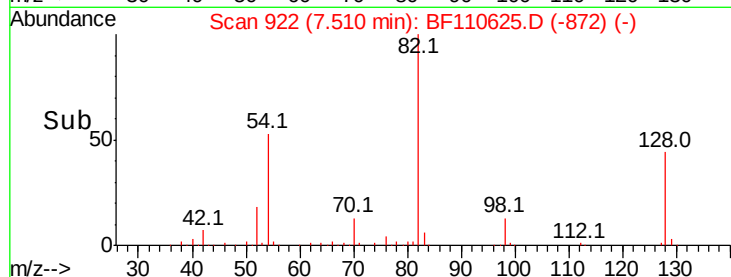
#23
 Nitrobenzene-d5
 Concen: 72.538 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF110625.D
 Acq: 9 Nov 2018 14:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 355941
 Ion Ratio Lower Upper
 82 100
 128 44.5 34.2 51.2
 54 52.7 38.6 58.0

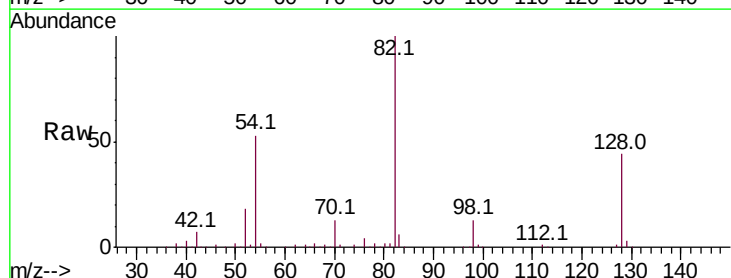


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

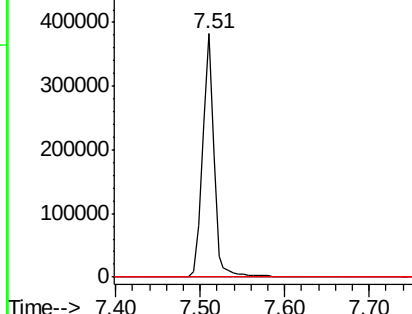
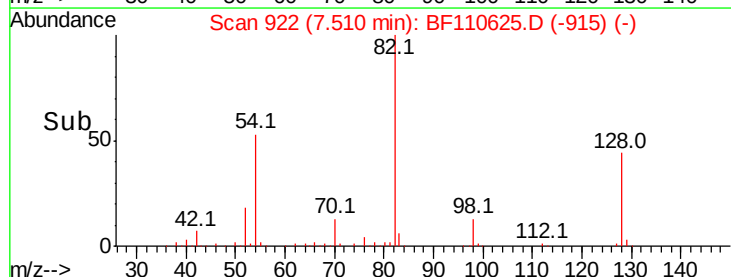


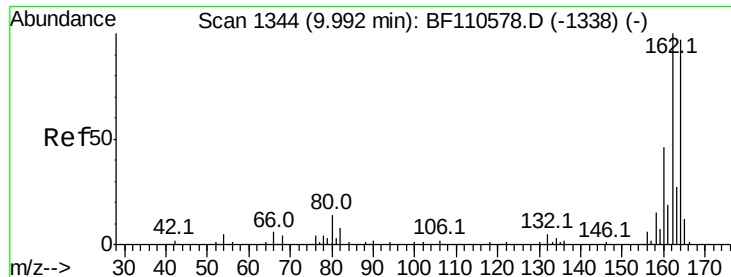
#25
 Isophorone
 Concen: 44.257 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.26 min
 Lab File: BF110625.D
 Acq: 9 Nov 2018 14:08

Tgt Ion: 82 Resp: 355939
 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

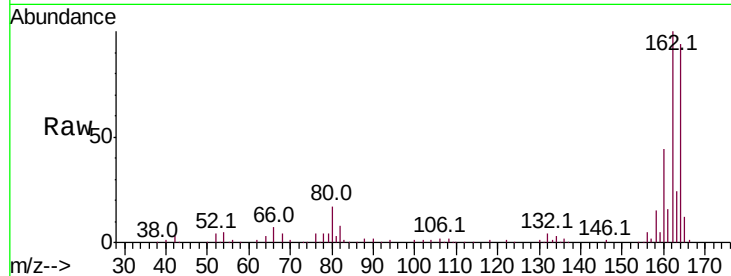




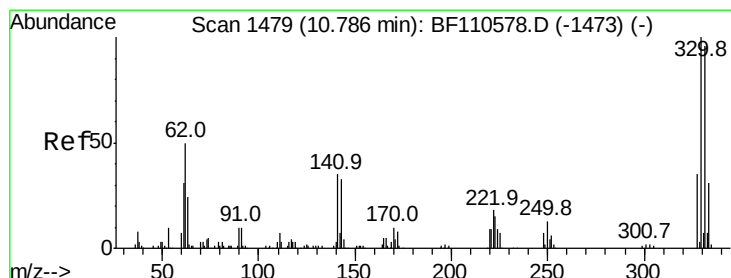
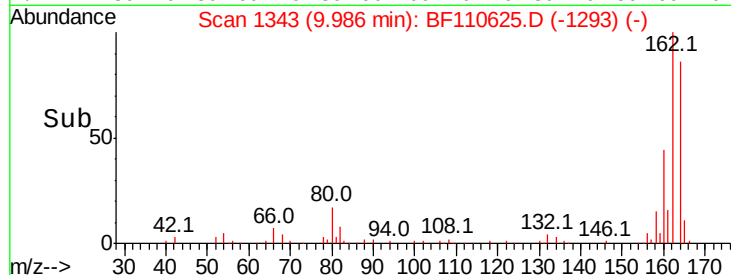
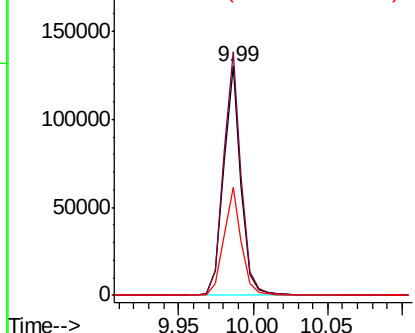
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 107463
Ion Ratio Lower Upper
164 100
162 106.2 83.0 124.6
160 46.9 37.0 55.6

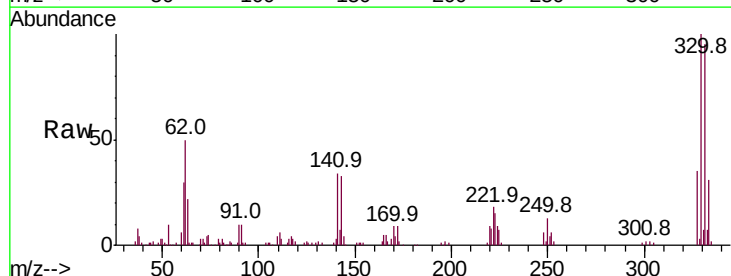


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

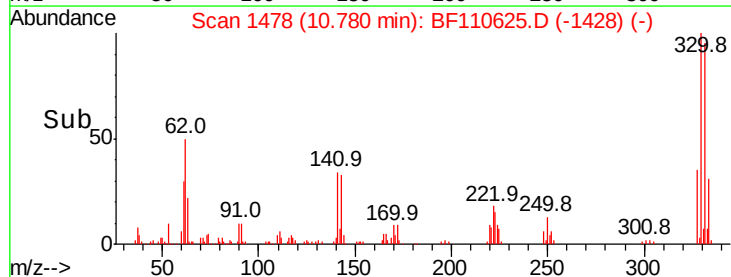
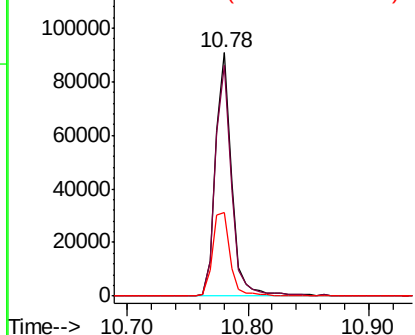


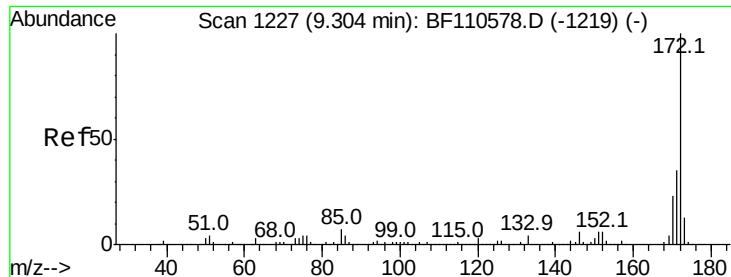
#42
2,4,6-Tribromophenol
Concen: 76.230 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

Tgt Ion:330 Resp: 82544
Ion Ratio Lower Upper
330 100
332 95.2 77.1 115.7
141 38.1 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

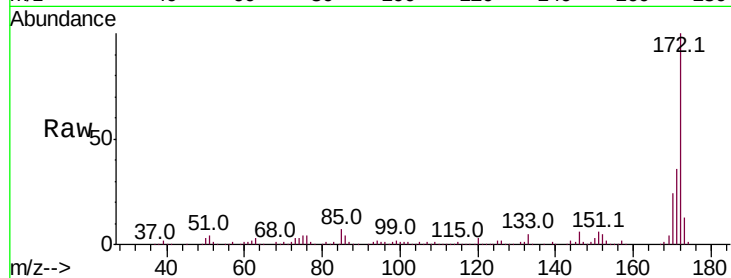




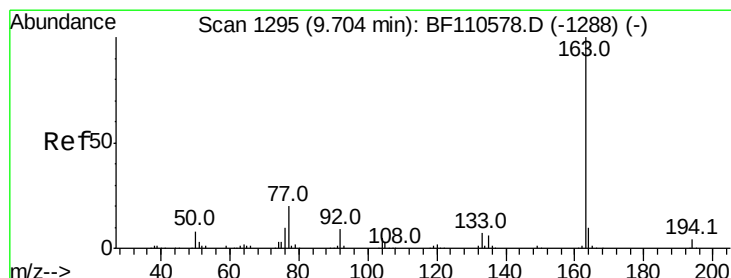
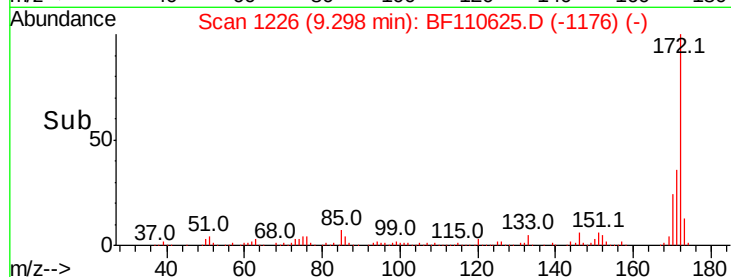
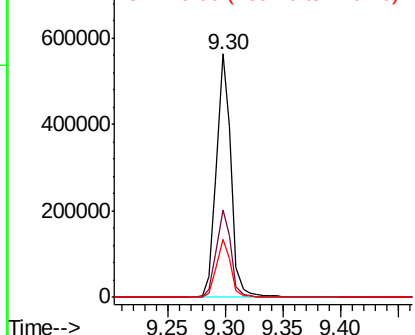
#45
2-Fluorobiphenyl
Concen: 65.976 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 496435
Ion Ratio Lower Upper
172 100
171 35.8 28.6 43.0
170 24.1 19.7 29.5

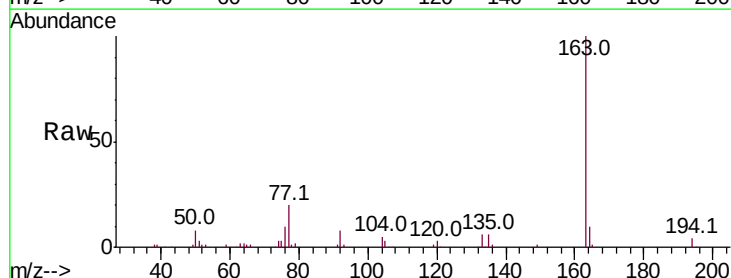


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

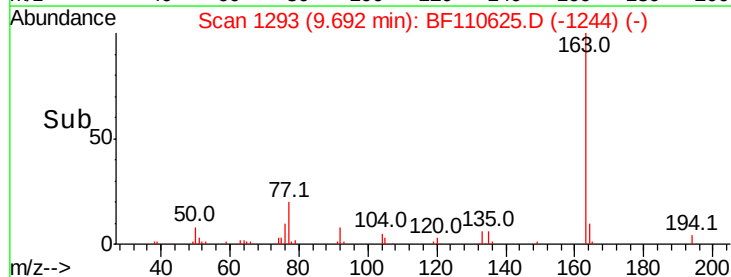
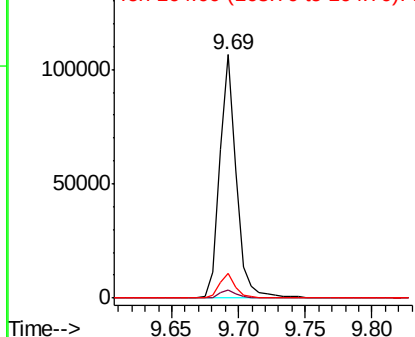


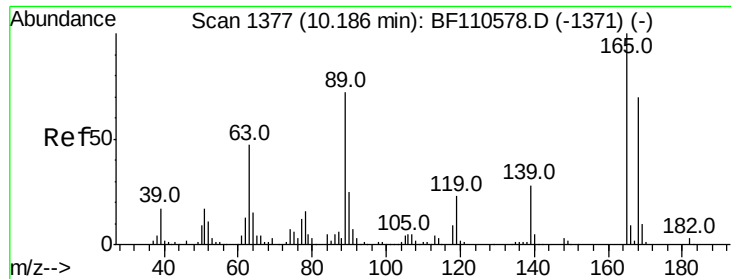
#50
Dimethylphthalate
Concen: 11.764 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

Tgt Ion:163 Resp: 94329
Ion Ratio Lower Upper
163 100
194 3.6 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

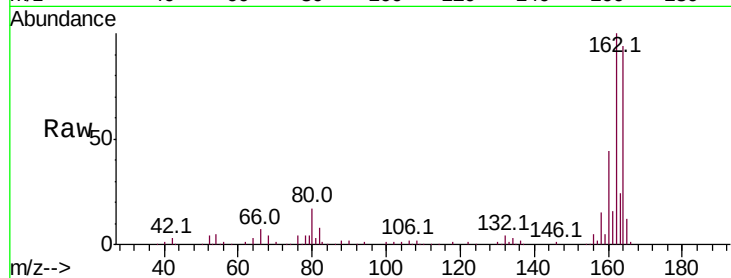




#57
 2,4-Dinitrotoluene
 Concen: 6.003 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.20 min
 Lab File: BF110625.D
 Acq: 9 Nov 2018 14:08

Instrument :
 BNA_F
 ClientSampled :

Tot 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#



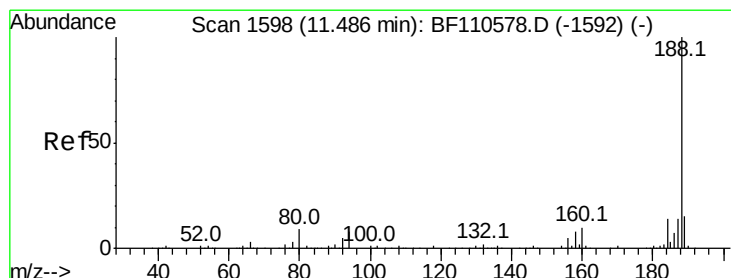
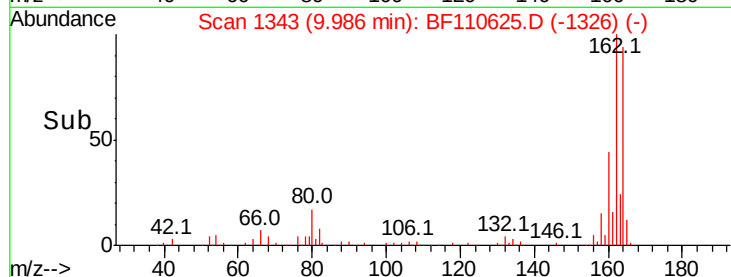
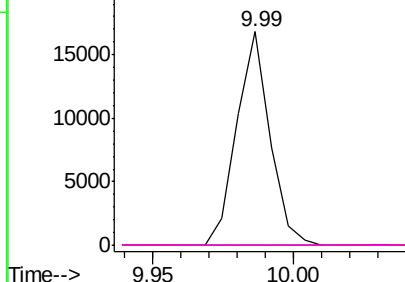
Abundance

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: BF110625.D
 Acq: 9 Nov 2018 14:08

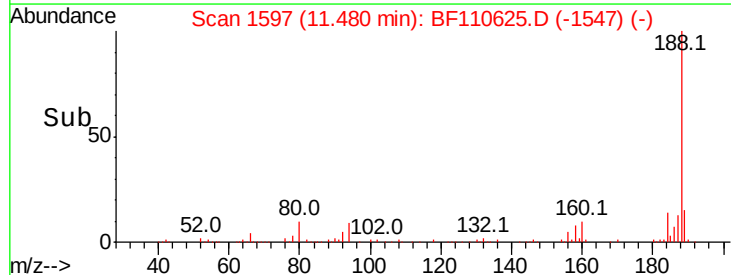
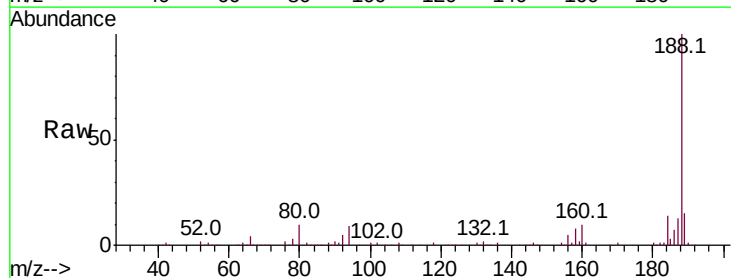
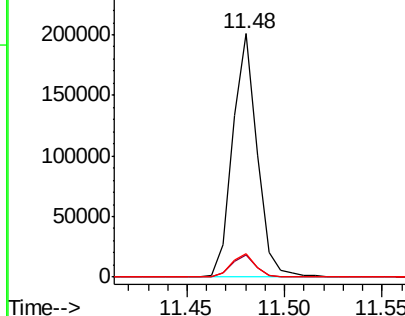
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.2	10.8
80	9.5	7.9	11.9

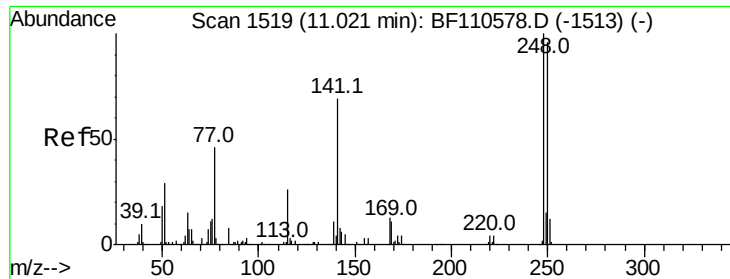
Abundance

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

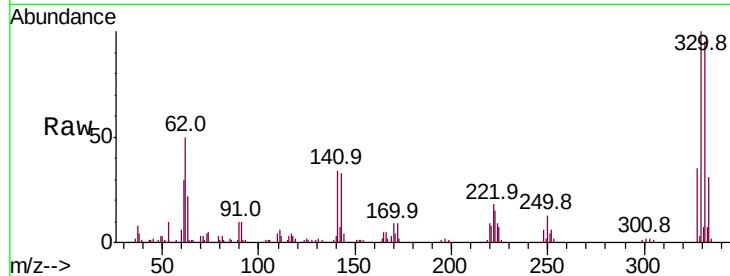




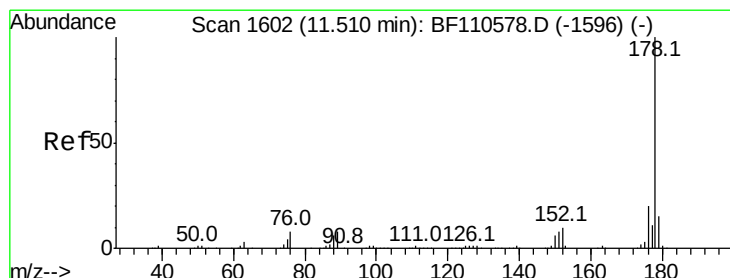
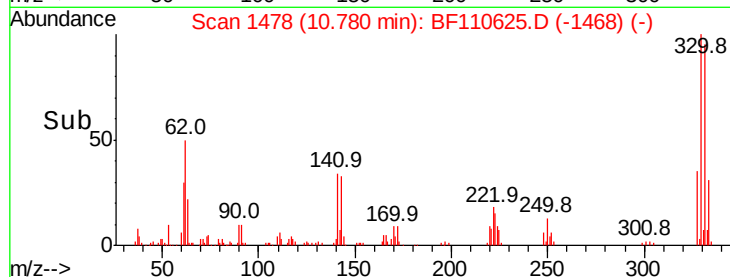
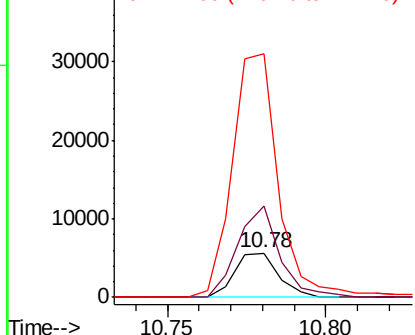
#67
 4-Bromophenyl-phenylether
 Concen: 2.775 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.24 min
 Lab File: BF110625.D
 Acq: 9 Nov 2018 14:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 5373
 Ion Ratio Lower Upper
 248 100
 250 205.7 79.4 119.2#
 141 549.9 55.9 83.9#

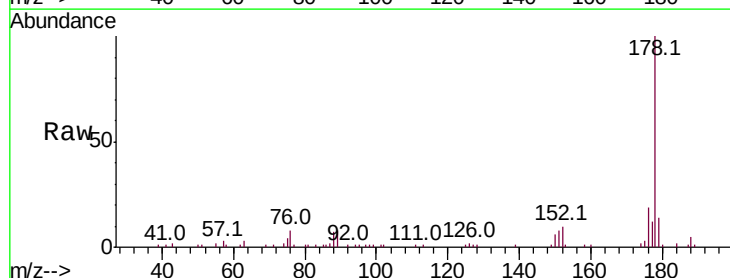


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

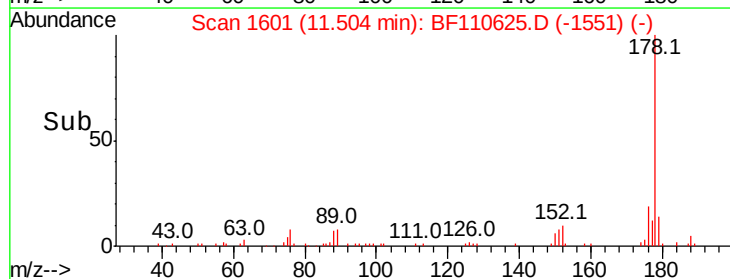
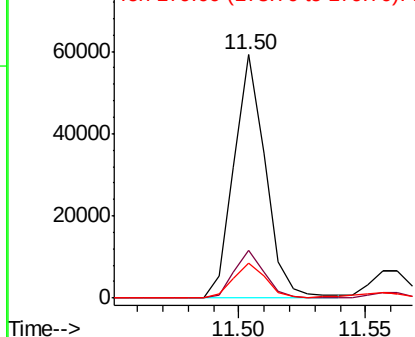


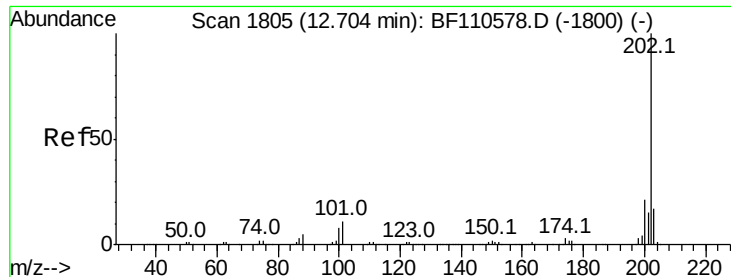
#71
 Phenanthrene
 Concen: 5.468 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF110625.D
 Acq: 9 Nov 2018 14:08

Tgt Ion:178 Resp: 51316
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.5 23.3
 179 14.1 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: 11.782 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110625.D

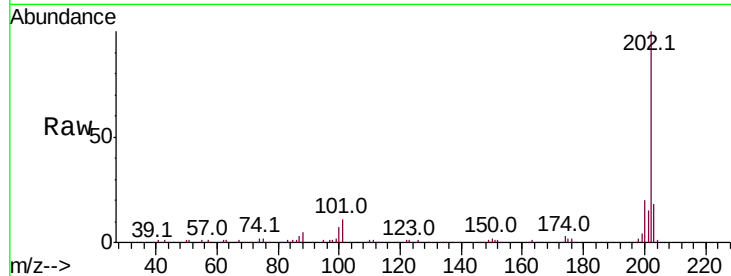
Acq: 9 Nov 2018 14:08

Instrument :

BNA_F

ClientSampleId :

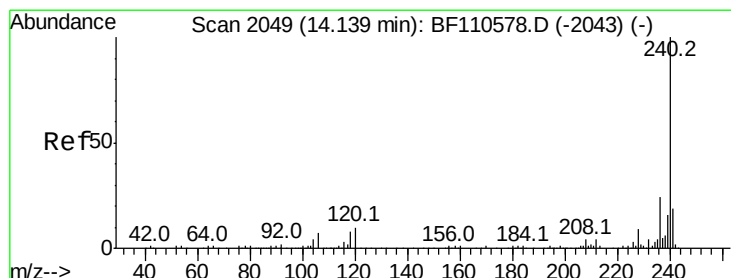
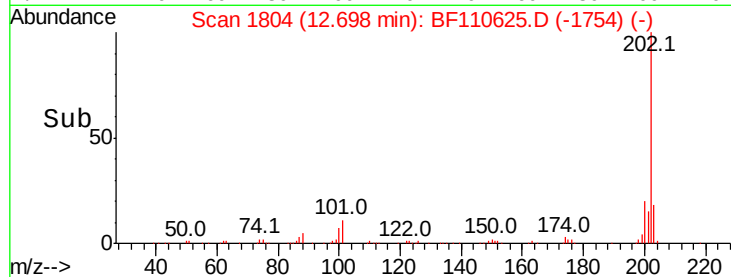
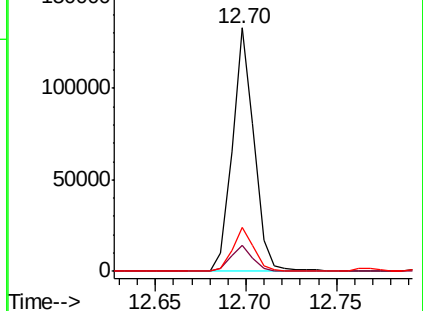
Tot Ion:	202	Resp:	110859
Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.4
203	17.9	0.0	37.7



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

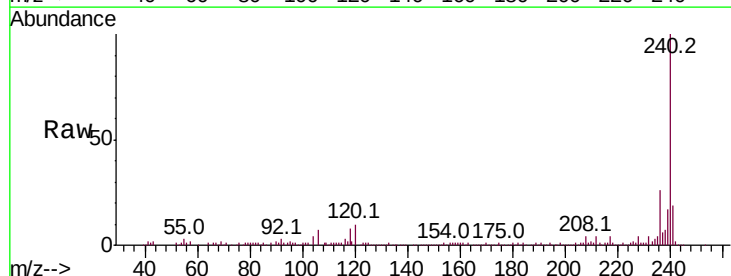
RT: 14.13 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BF110625.D

Acq: 9 Nov 2018 14:08

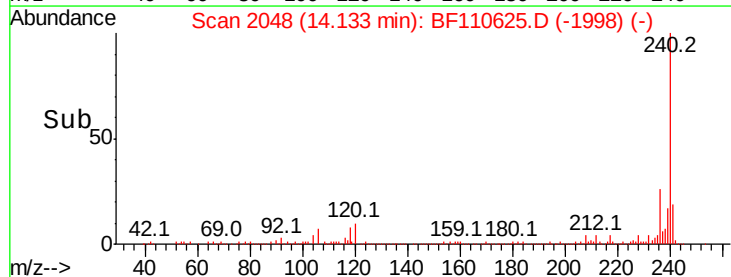
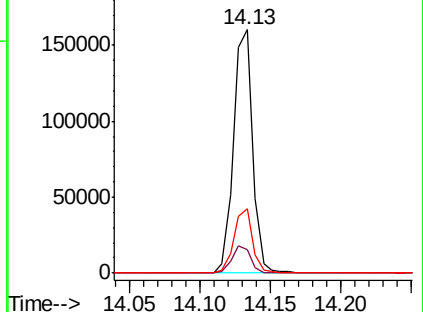
Tgt Ion:	240	Resp:	151092
Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.3	12.5
236	26.2	21.2	31.8

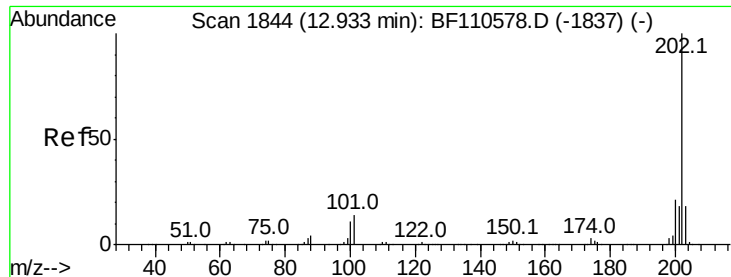


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

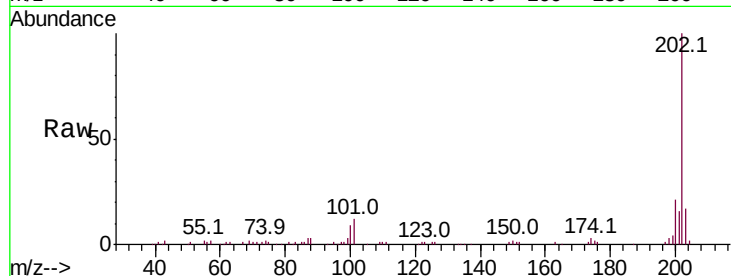




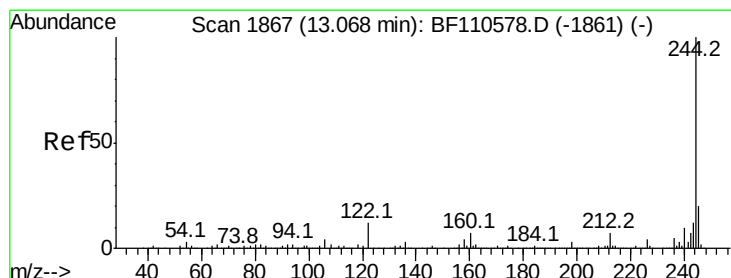
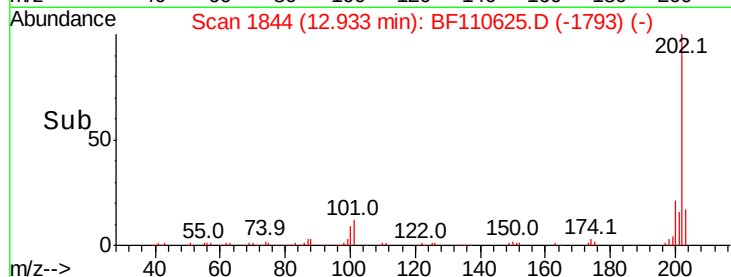
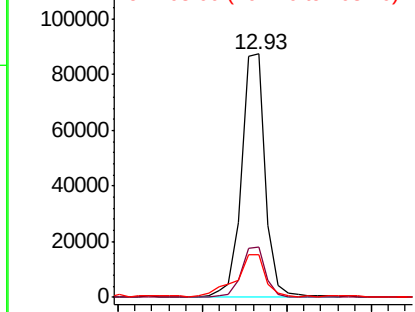
#78
Pvrene
Concen: 7.379 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 85851
Ion Ratio Lower Upper
202 100
200 20.6 17.8 26.6
203 17.3 14.2 21.4

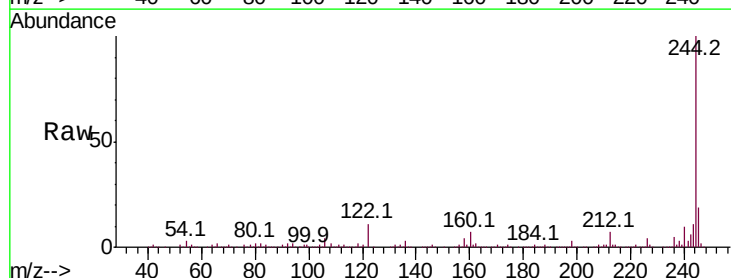


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

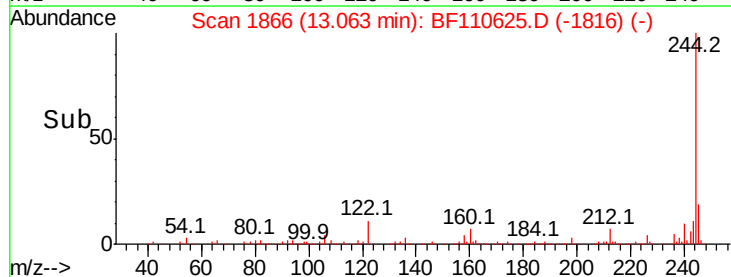
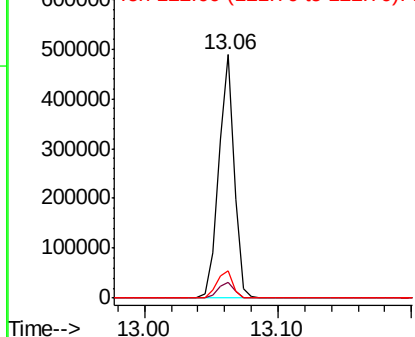


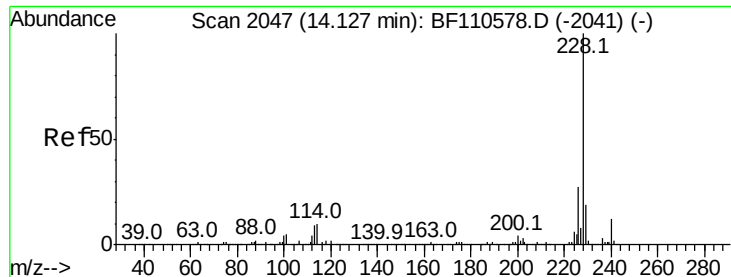
#79
Terphenyl-d14
Concen: 49.543 ng
RT: 13.06 min Scan# 1866
Delta R.T. -0.01 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

Tgt Ion:244 Resp: 399708
Ion Ratio Lower Upper
244 100
212 6.6 5.8 8.8
122 11.4 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





#81

Benzo(a)anthracene

Concen: 3.997 ng

RT: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BF110625.D

Acq: 9 Nov 2018 14:08

Instrument :

BNA_F

ClientSampled :

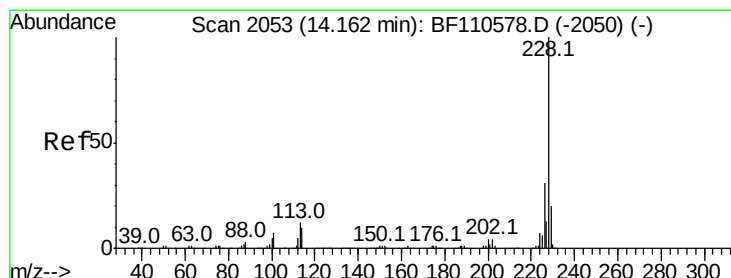
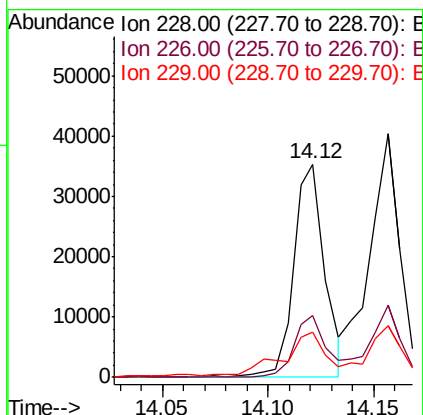
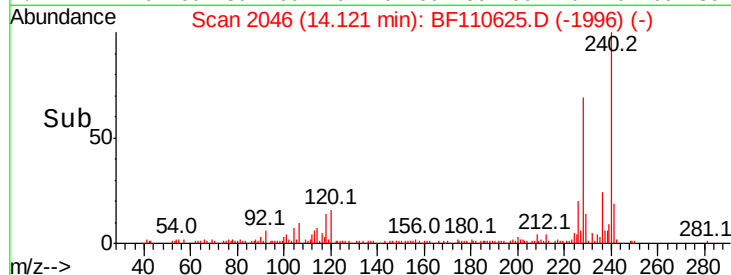
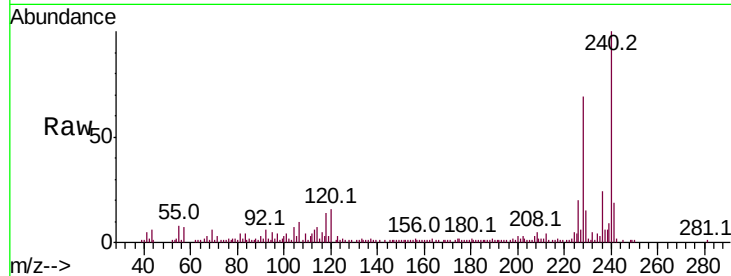
Tot Ion:228 Resp: 36098

Ion Ratio Lower Upper

228 100

226 29.2 22.1 33.1

229 21.4 15.6 23.4



#83

Chrysene

Concen: 4.799 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF110625.D

Acq: 9 Nov 2018 14:08

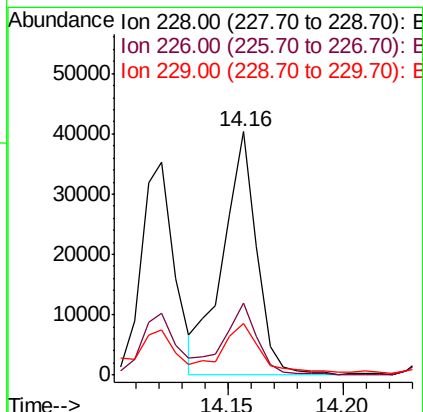
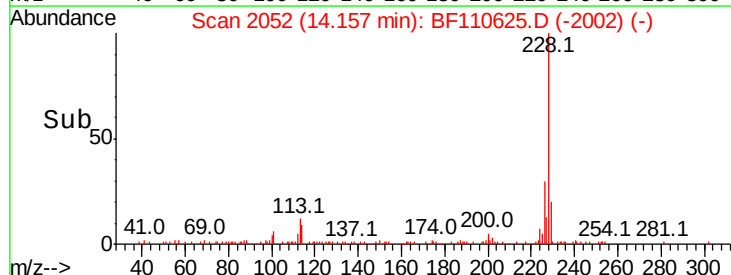
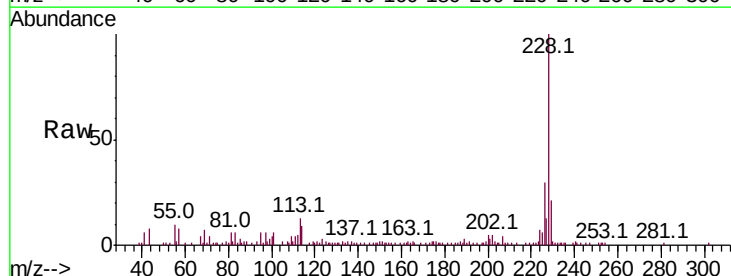
Tgt Ion:228 Resp: 41289

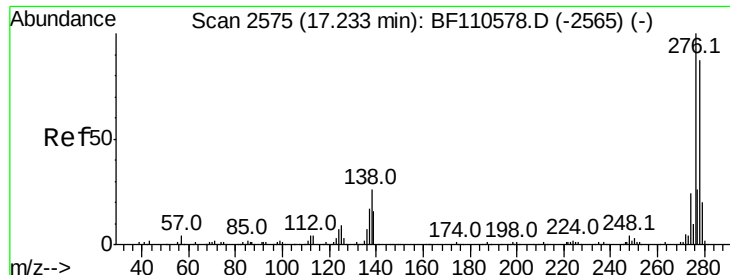
Ion Ratio Lower Upper

228 100

226 29.6 24.7 37.1

229 21.1 15.9 23.9





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.650 ng

RT: 17.23 min Scan# 2574

Delta R.T. -0.01 min

Lab File: BF110625.D

Acq: 9 Nov 2018 14:08

Instrument :

BNA_F

ClientSampleId :

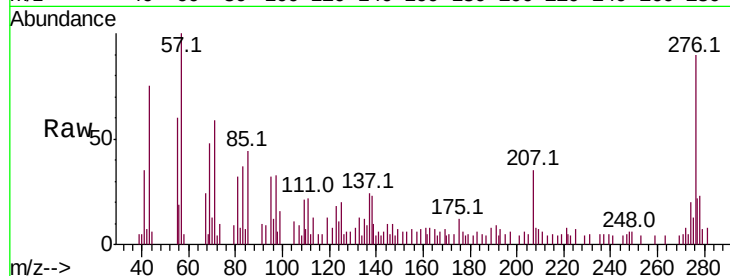
Tot Ion:276 Resp: 16364

Ion Ratio Lower Upper

276 100

138 28.0 18.5 27.7#

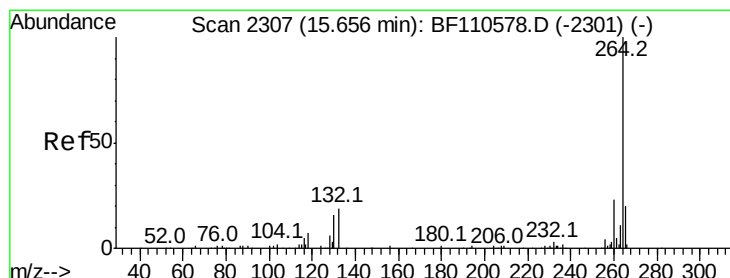
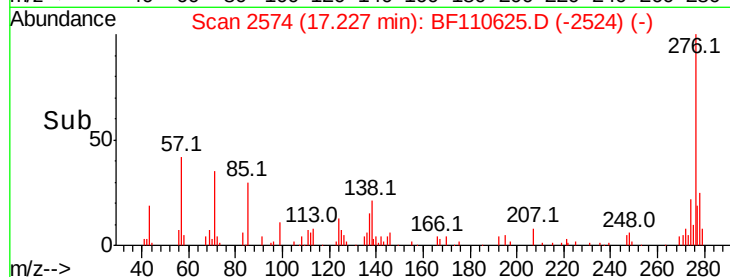
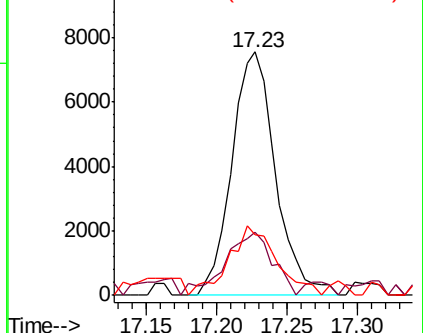
277 30.9 20.0 30.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.66 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BF110625.D

Acq: 9 Nov 2018 14:08

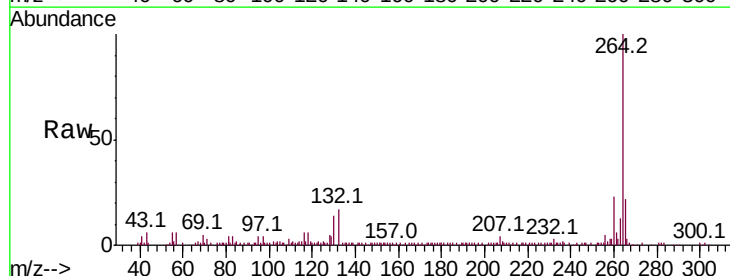
Tgt Ion:264 Resp: 104342

Ion Ratio Lower Upper

264 100

260 22.7 18.7 28.1

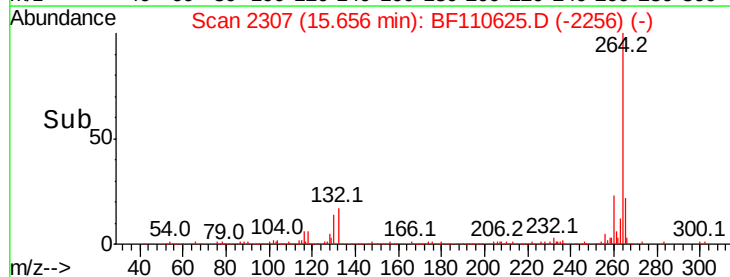
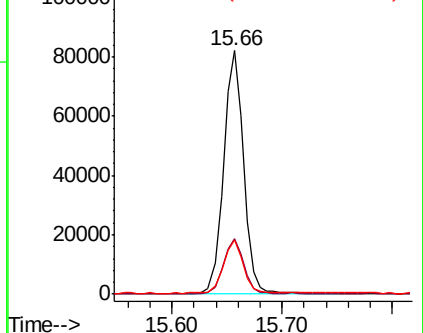
265 22.0 16.7 25.1

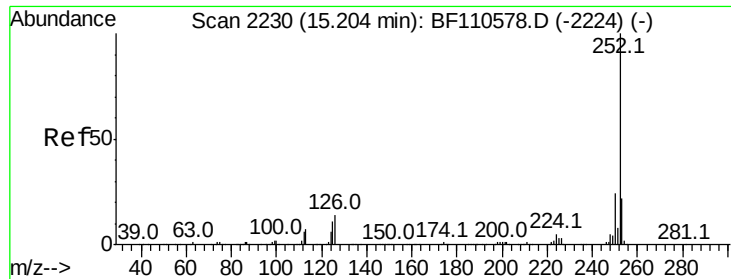


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 8.727 ng

RT: 15.20 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BF110625.D

Acq: 9 Nov 2018 14:08

Instrument :

BNA_F

ClientSampleId :

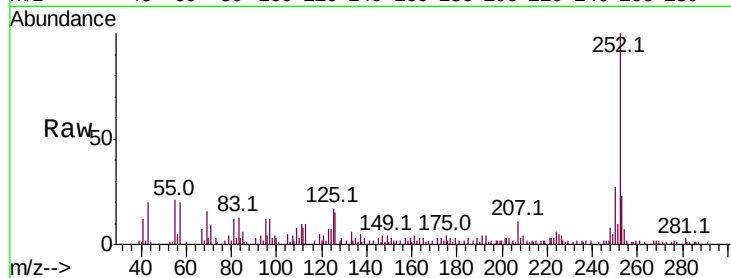
Tot Ion:252 Resp: 54477

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

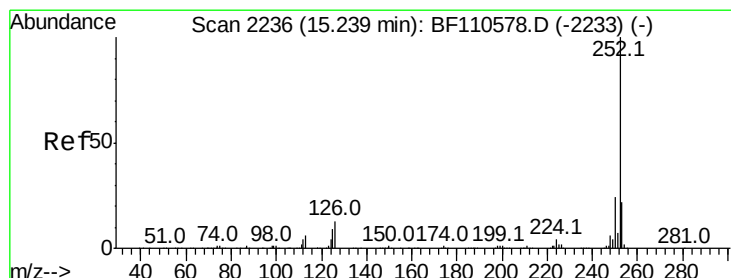
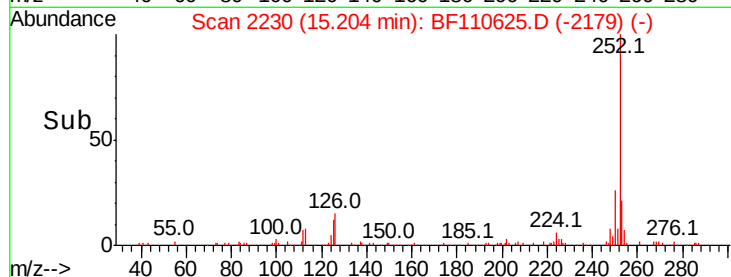
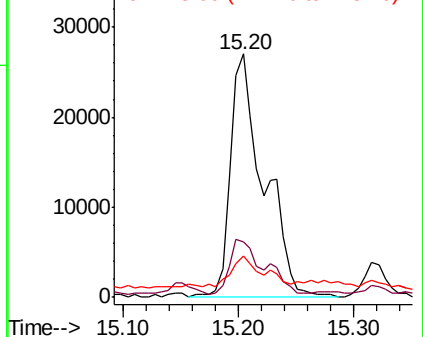
125 17.1 8.2 12.4#



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(k)fluoranthene

Concen: 8.832 ng

RT: 15.20 min Scan# 2230

Delta R.T. -0.04 min

Lab File: BF110625.D

Acq: 9 Nov 2018 14:08

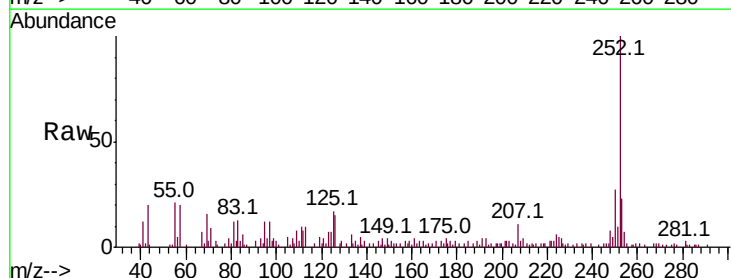
Tgt Ion:252 Resp: 54477

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

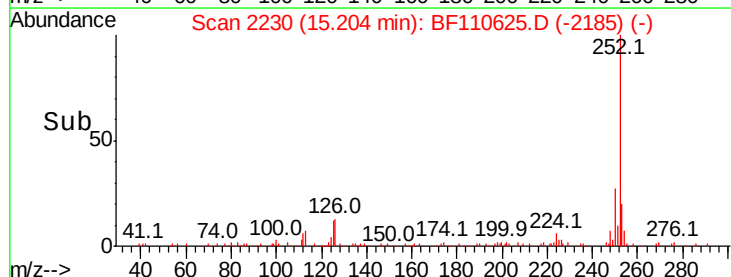
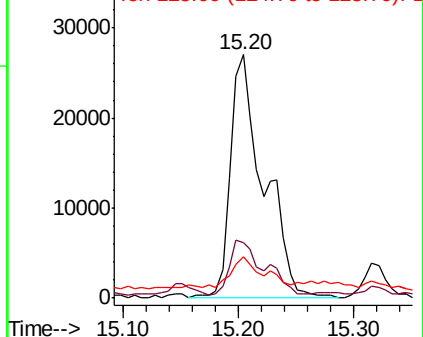
125 17.1 7.4 11.0#

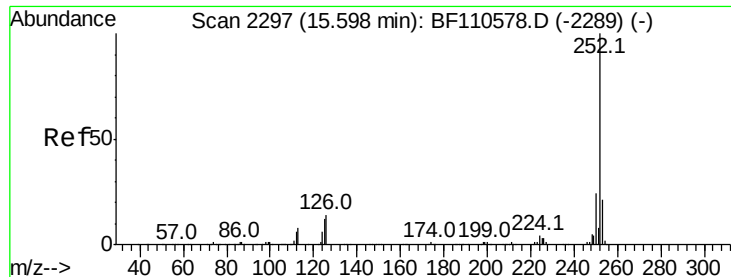


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

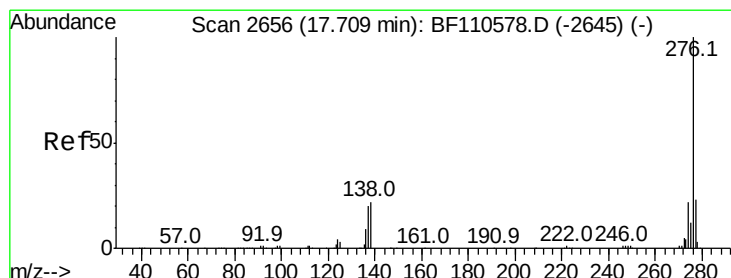
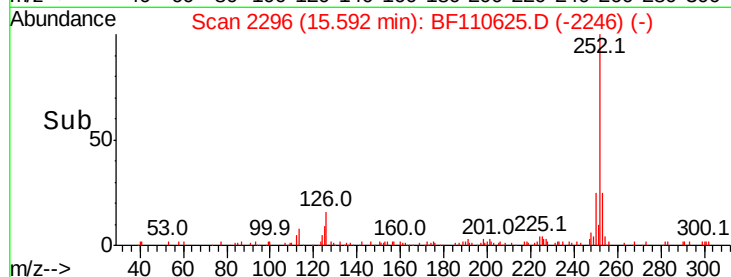
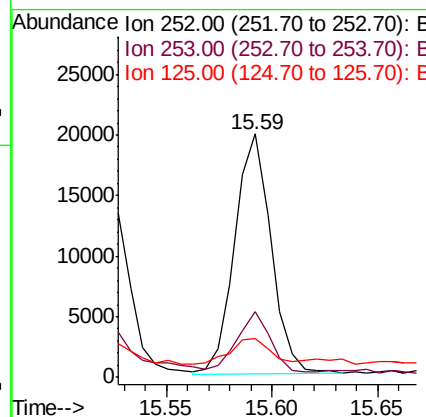
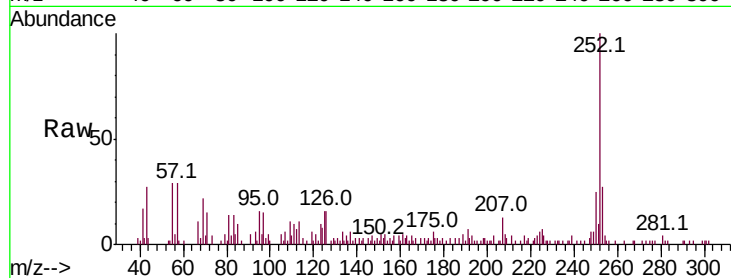




#90
Benzo(a)pyrene
Concen: 4.169 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.9	18.2	27.4
125	16.2	9.0	13.6



#92
Benzo(g,h,i)perylene
Concen: 3.269 ng
RT: 17.71 min Scan# 2656
Delta R.T. 0.00 min
Lab File: BF110625.D
Acq: 9 Nov 2018 14:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.8	28.2
138	22.0	16.0	24.0

