

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\
 Data File : BF110624.D
 Acq On : 9 Nov 2018 13:41
 Operator : JU/SJ
 Sample : J5813-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 09 15:45:50 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	75220	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	291494	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	115185	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	183365	20.00	ng	0.00
76) Chrysene-d12	14.13	240	146747	20.00	ng	-0.01
87) Perylene-d12	15.66	264	103337	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	402905	87.00	ng	0.00
7) Phenol-d6	6.57	99	509307	86.01	ng	0.00
23) Nitrobenzene-d5	7.51	82	311927	61.63	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	73807	63.59	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	514560	63.80	ng	0.00
79) Terphenyl-d14	13.06	244	377279	48.15	ng	0.00

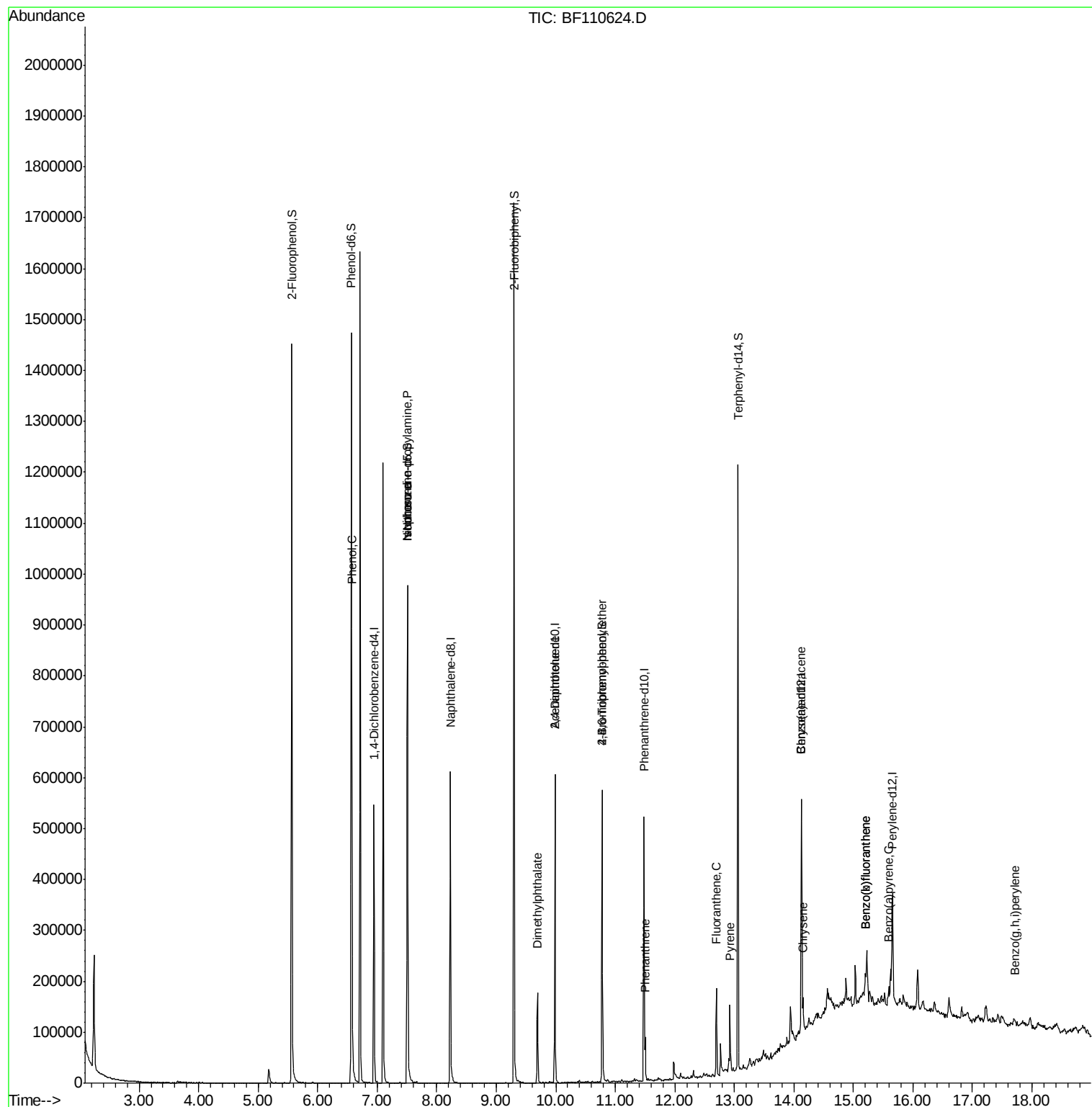
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	885	Below Cal		# 1
10) Phenol	6.58	94	32350	4.711	ng	# 66
19) n-Nitroso-di-n-propylamine	7.51	70	40571	10.733	ng	# 80
25) Isophorone	7.51	82	311924	37.599	ng	# 67
50) Dimethylphthalate	9.69	163	73515	8.553	ng	99
57) 2,4-Dinitrotoluene	9.99	165	13954	5.676	ng	# 17
67) 4-Bromophenyl-phenylether	10.78	248	4663	2.301	ng	# 1
71) Phenanthrene	11.50	178	29762	3.030	ng	99
75) Fluoranthene	12.70	202	66728	6.775	ng	96
78) Pyrene	12.93	202	52769	4.670	ng	97
81) Benzo(a)anthracene	14.12	228	19399	2.212	ng	95
83) Chrysene	14.16	228	25421	3.042	ng	98
88) Benzo(b)fluoranthene	15.20	252	35261	5.704	ng	# 85
89) Benzo(k)fluoranthene	15.20	252	35261	5.772	ng	# 84
90) Benzo(a)pyrene	15.59	252	15225	2.711	ng	# 82
92) Benzo(g,h,i)perylene	17.71	276	10338	2.192	ng	# 87

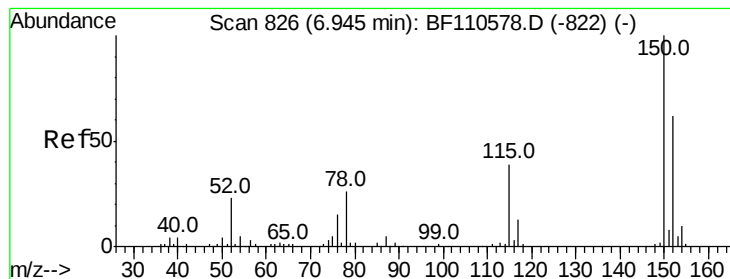
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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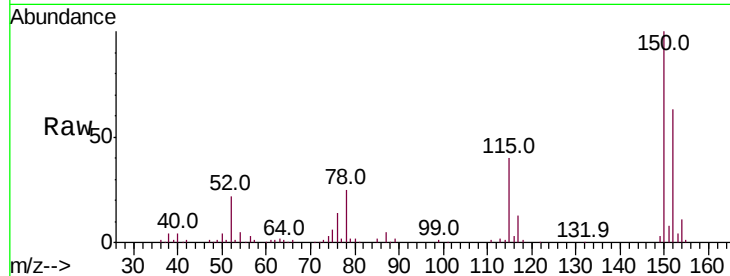


#1

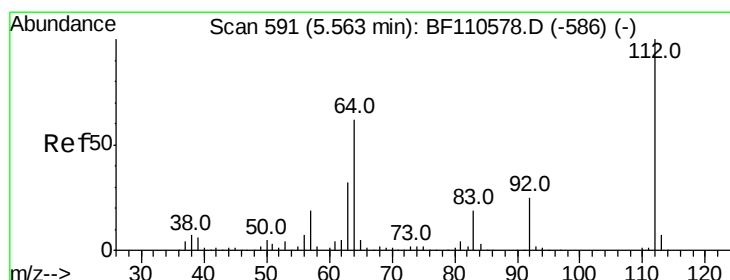
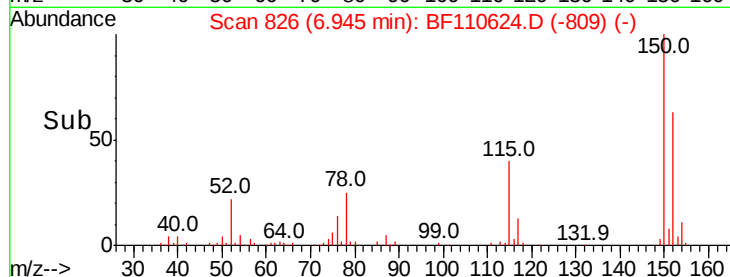
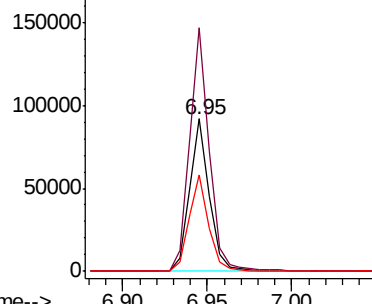
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110624.D
Acq: 9 Nov 2018 13:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 75220
Ion Ratio Lower Upper
152 100
150 159.6 122.7 184.1
115 63.4 49.1 73.7



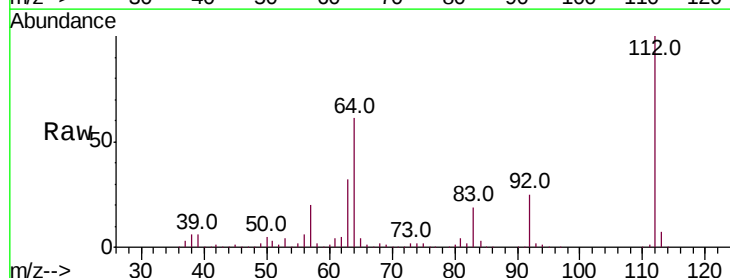
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



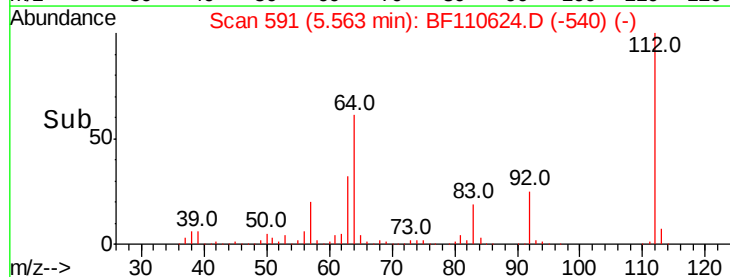
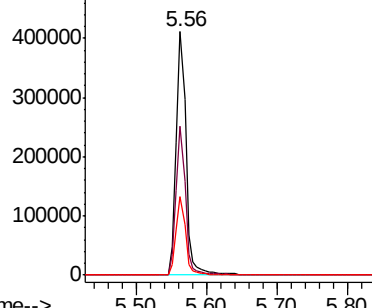
#5

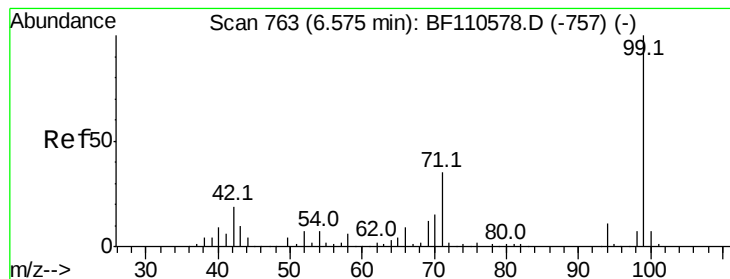
2-Fluorophenol
Concen: 87.004 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF110624.D
Acq: 9 Nov 2018 13:41

Tgt Ion:112 Resp: 402905
Ion Ratio Lower Upper
112 100
64 61.2 44.1 66.1
63 32.1 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: 86.006 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110624.D

Acq: 9 Nov 2018 13:41

Instrument :

BNA_F

ClientSampleId :

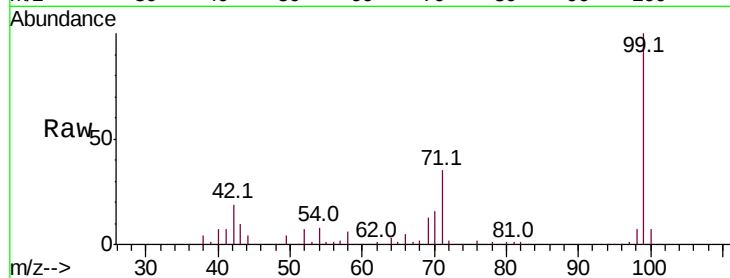
Tot Ion: 99 Resp: 509307

Ion Ratio Lower Upper

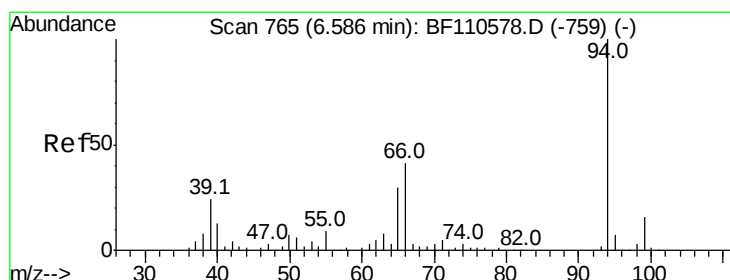
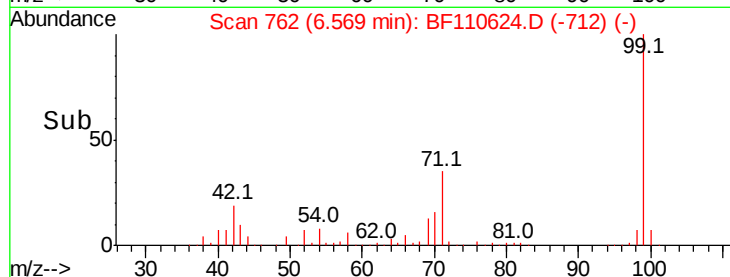
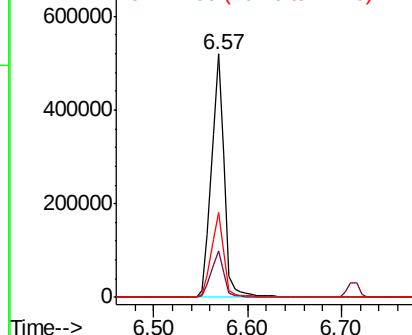
99 100

42 19.2 15.8 23.6

71 34.8 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: 4.711 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110624.D

Acq: 9 Nov 2018 13:41

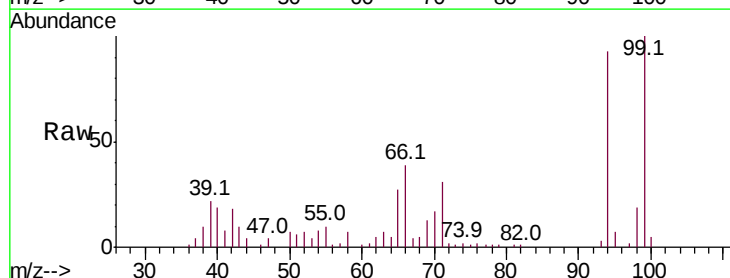
Tgt Ion: 94 Resp: 32350

Ion Ratio Lower Upper

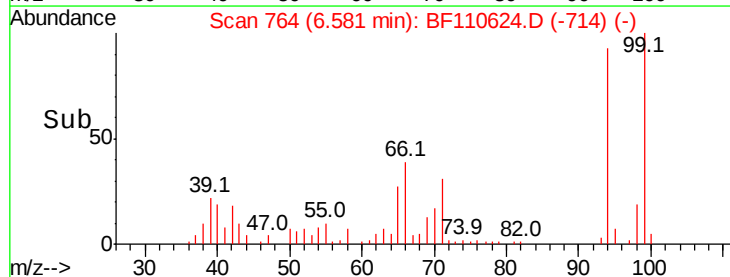
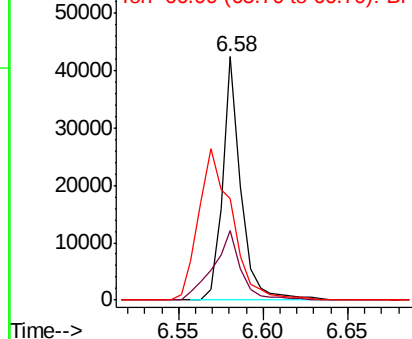
94 100

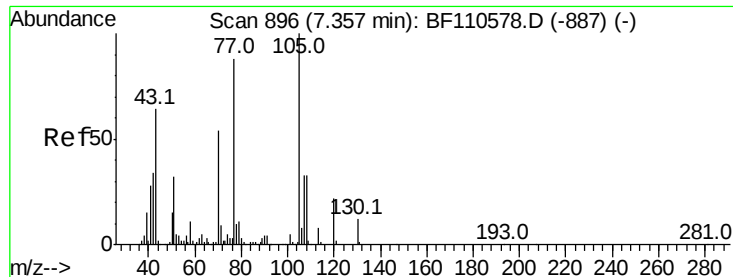
65 28.5 25.3 65.3

66 41.6 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: 10.733 ng

RT: 7.51 min Scan# 922

Delta R.T. 0.15 min

Lab File: BF110624.D

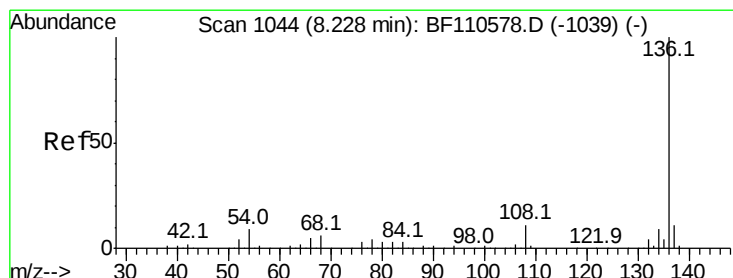
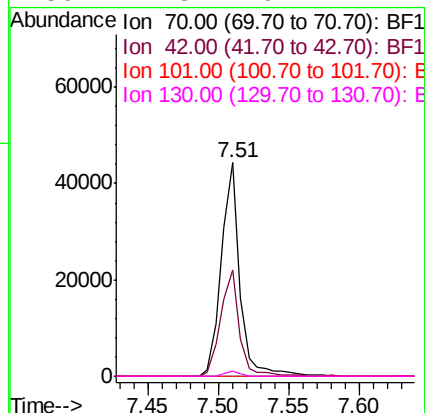
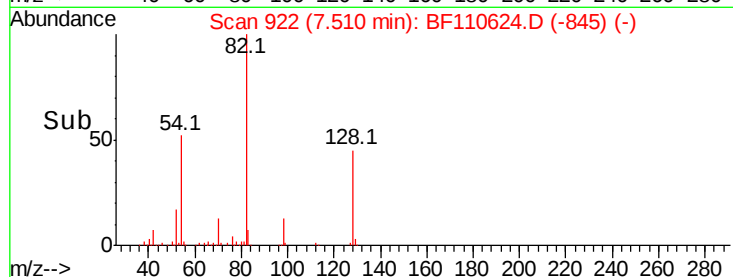
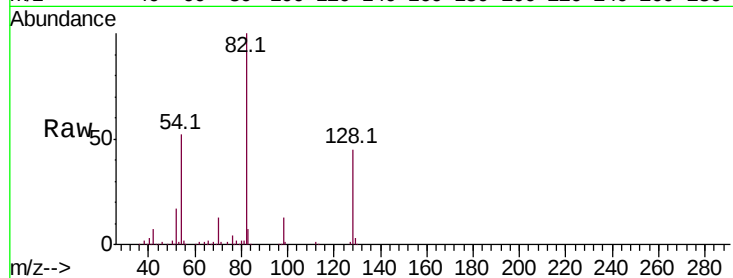
Acq: 9 Nov 2018 13:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	40571
Ion	Ratio	Lower	Upper
70	100		
42	49.8	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

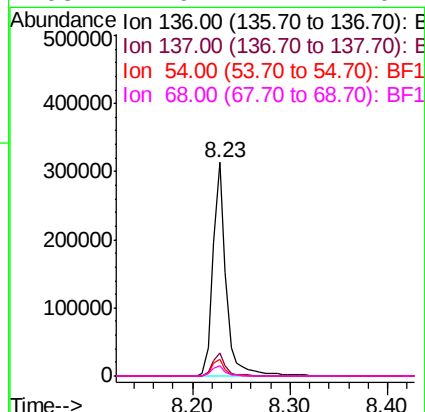
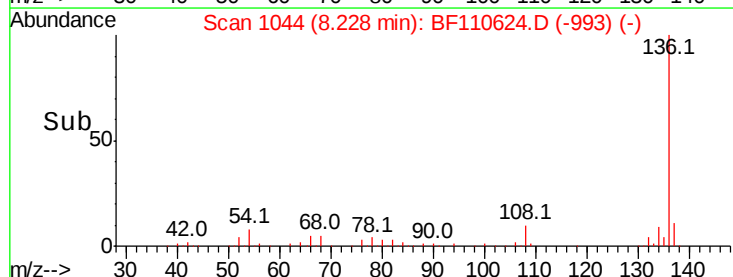
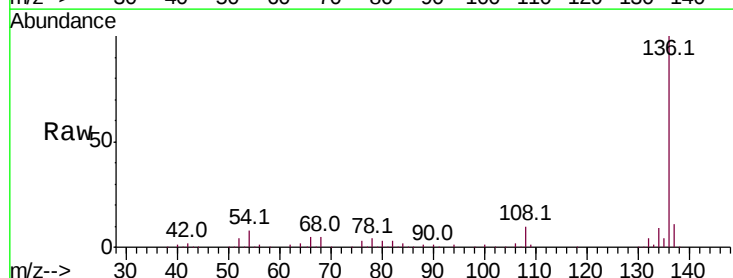
RT: 8.23 min Scan# 1044

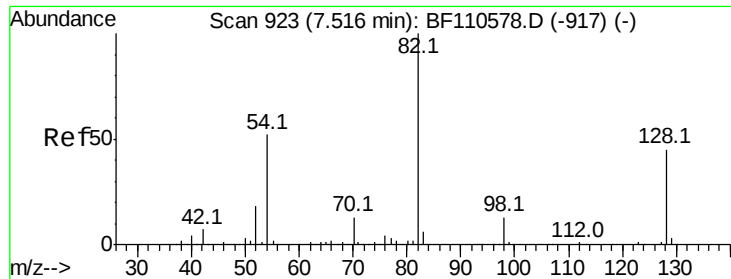
Delta R.T. 0.00 min

Lab File: BF110624.D

Acq: 9 Nov 2018 13:41

Tgt Ion:	136	Resp:	291494
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	7.8	5.4	8.2
68	4.9	4.2	6.2

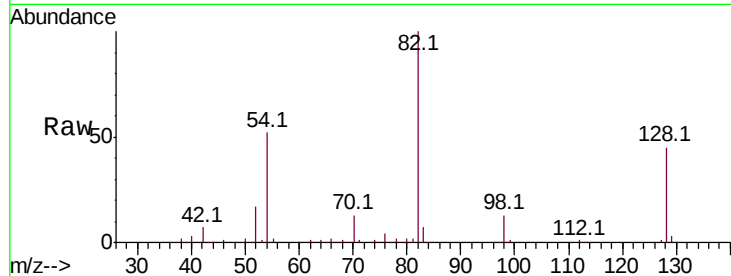




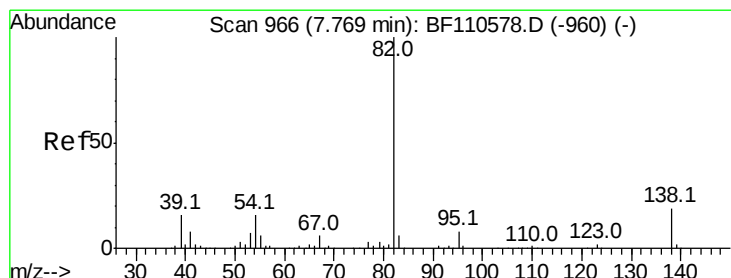
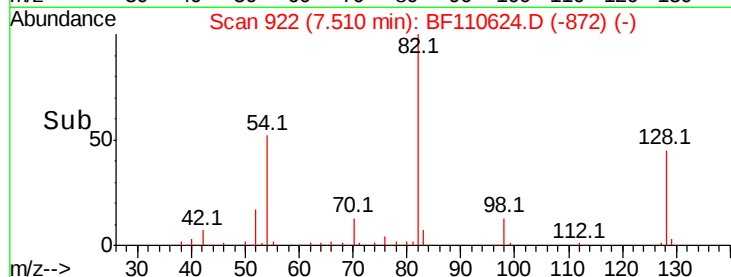
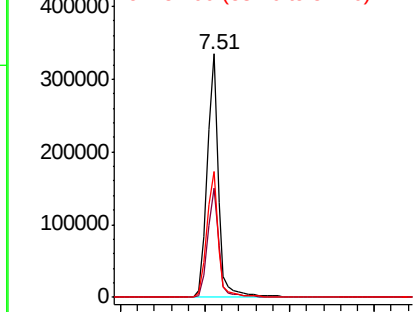
#23
Nitrobenzene-d5
Concen: 61.626 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF110624.D
Acq: 9 Nov 2018 13:41

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	311927
Ion Ratio	Lower	Upper	
82	100		
128	45.1	34.2	51.2
54	51.9	38.6	58.0

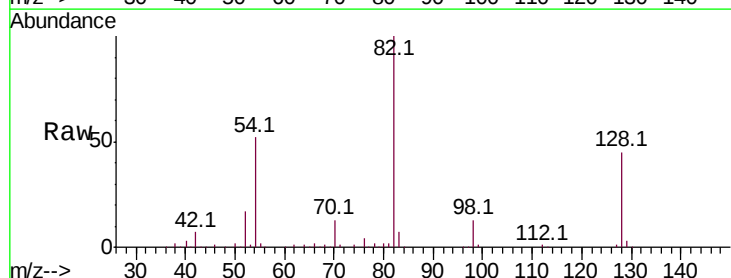


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

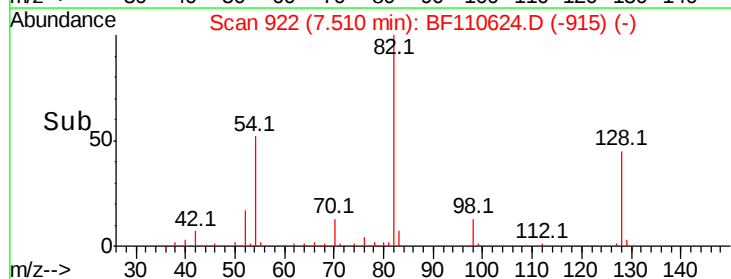
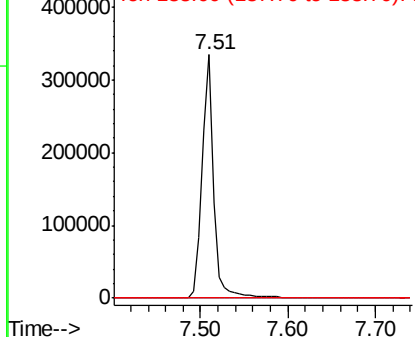


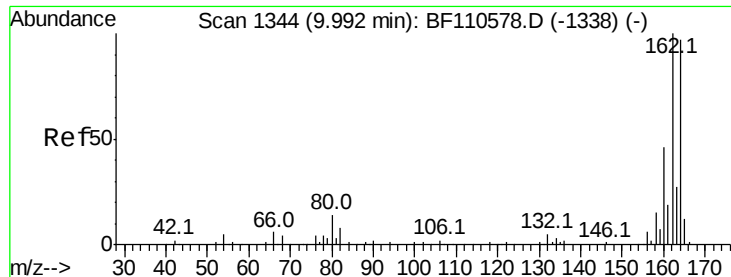
#25
Isophorone
Concen: 37.599 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.26 min
Lab File: BF110624.D
Acq: 9 Nov 2018 13:41

Tgt Ion	82	Resp	311924
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

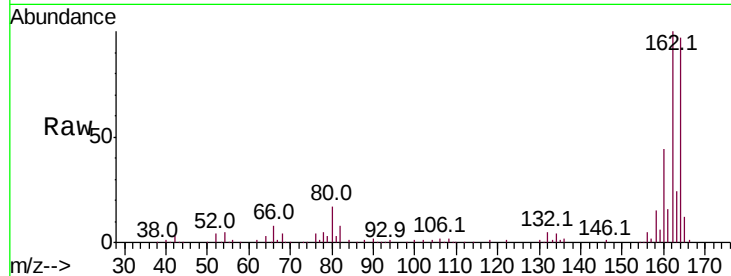




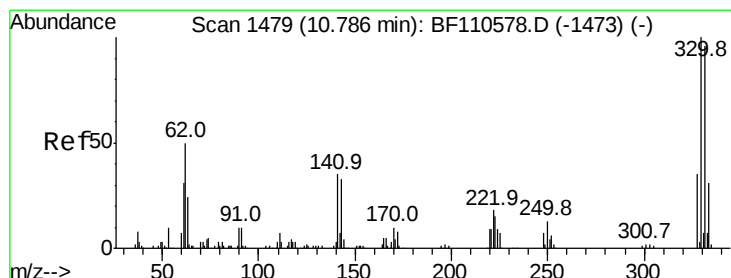
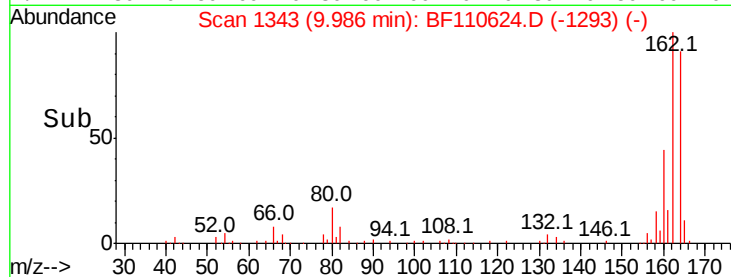
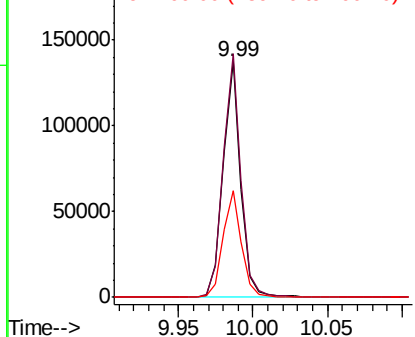
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF110624.D
Acq: 9 Nov 2018 13:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 115185
Ion Ratio Lower Upper
164 100
162 103.4 83.0 124.6
160 45.0 37.0 55.6

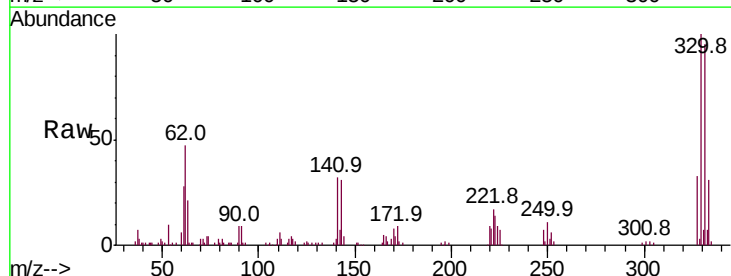


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

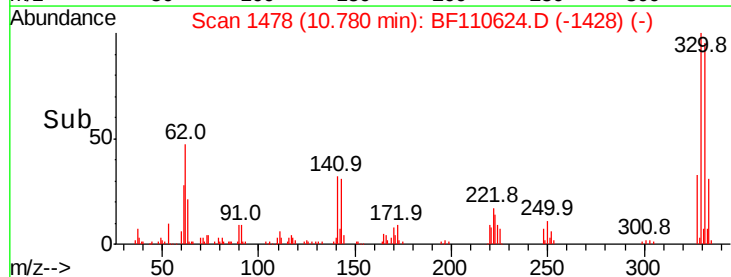
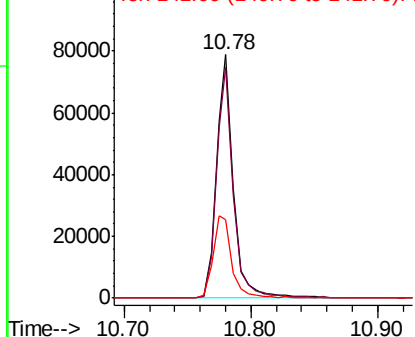


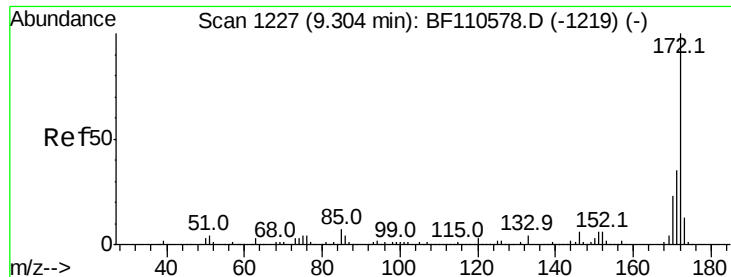
#42
2,4,6-Tribromophenol
Concen: 63.592 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BF110624.D
Acq: 9 Nov 2018 13:41

Tgt Ion:330 Resp: 73807
Ion Ratio Lower Upper
330 100
332 95.0 77.1 115.7
141 37.6 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

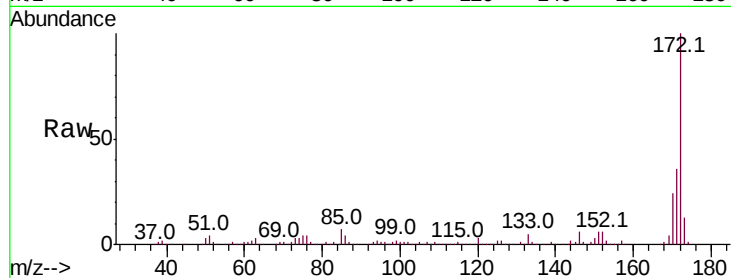




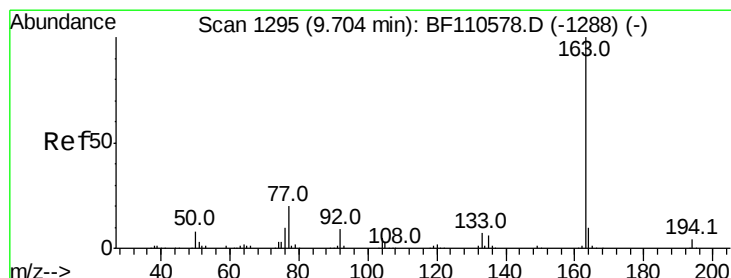
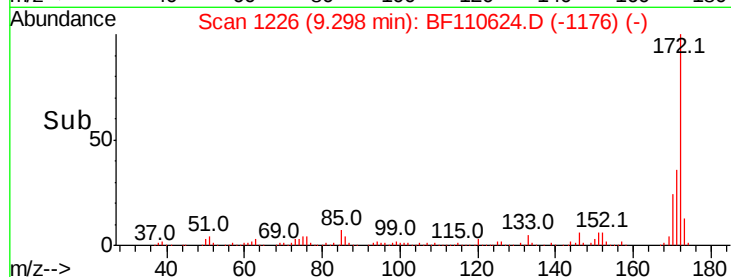
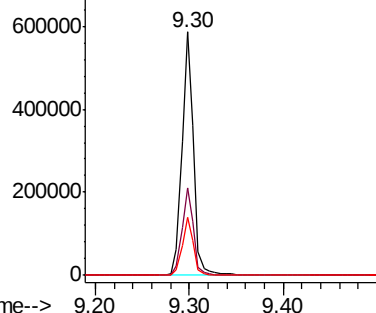
#45
2-Fluorobiphenyl
Concen: 63.800 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110624.D
Acq: 9 Nov 2018 13:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 514560
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 23.8 19.7 29.5

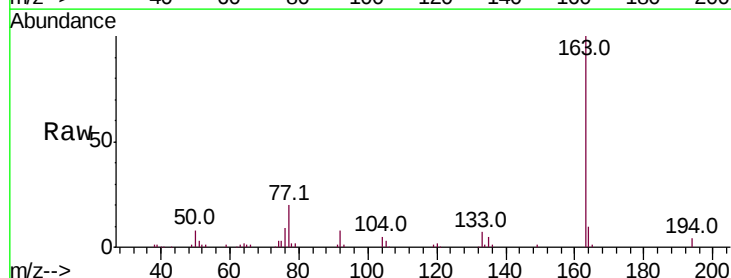


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

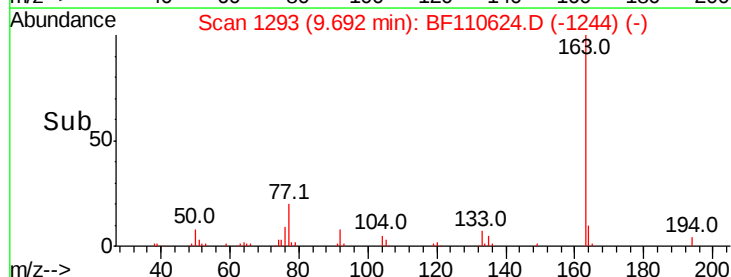
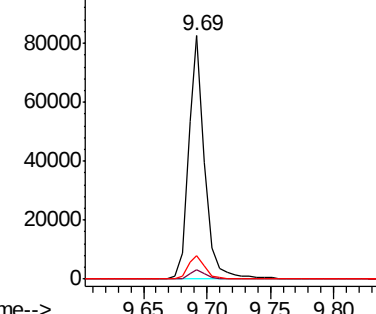


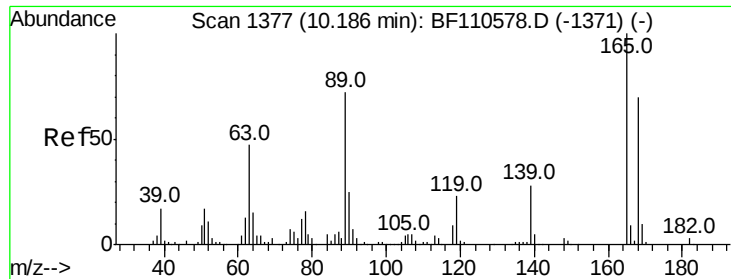
#50
Dimethylphthalate
Concen: 8.553 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110624.D
Acq: 9 Nov 2018 13:41

Tgt Ion:163 Resp: 73515
Ion Ratio Lower Upper
163 100
194 3.8 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

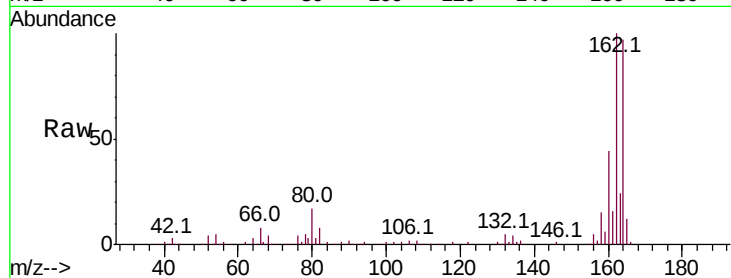




#57
 2,4-Dinitrotoluene
 Concen: 5.676 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.20 min
 Lab File: BF110624.D
 Acq: 9 Nov 2018 13:41

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#



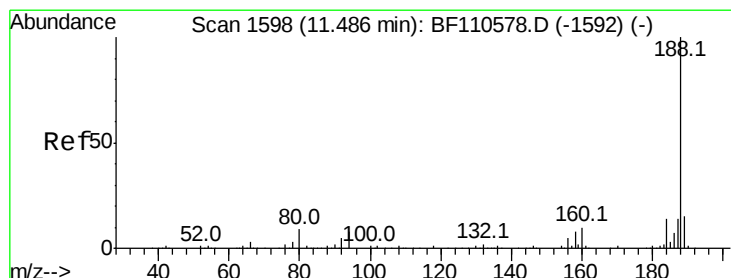
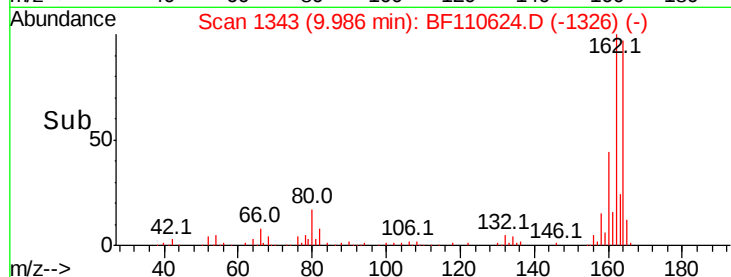
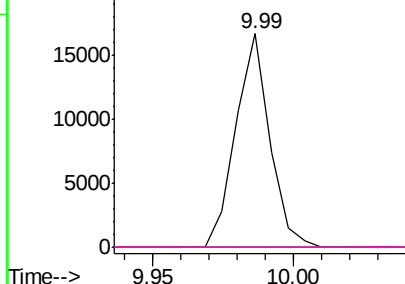
Abundance

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: BF110624.D
 Acq: 9 Nov 2018 13:41

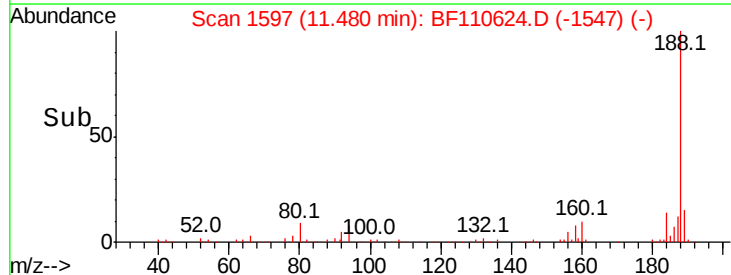
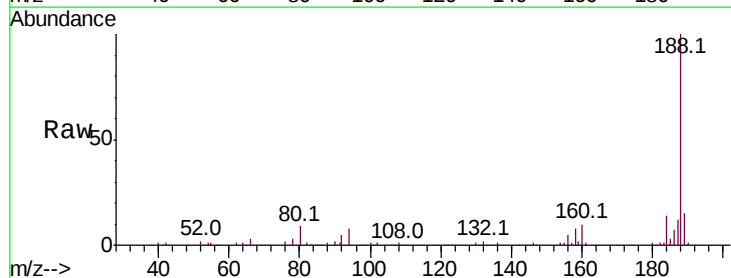
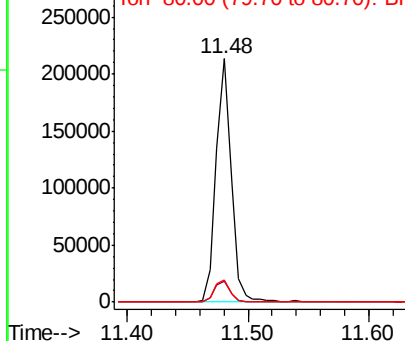
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	7.2	10.8
80	9.2	7.9	11.9

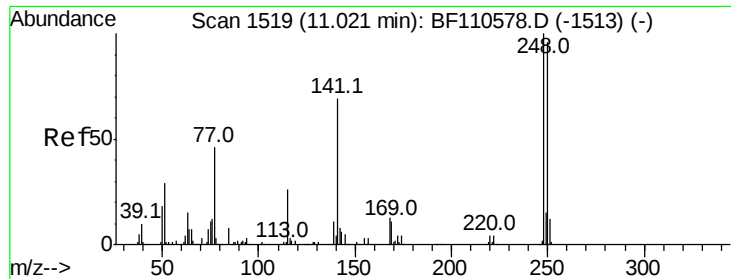
Abundance

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

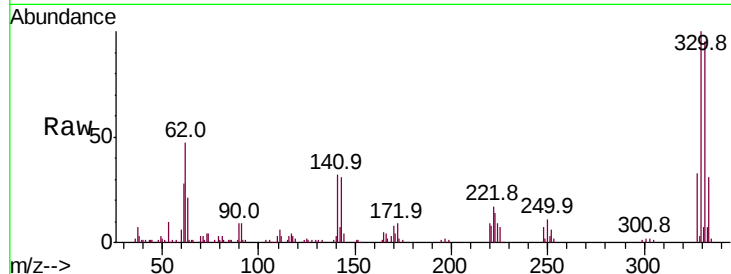




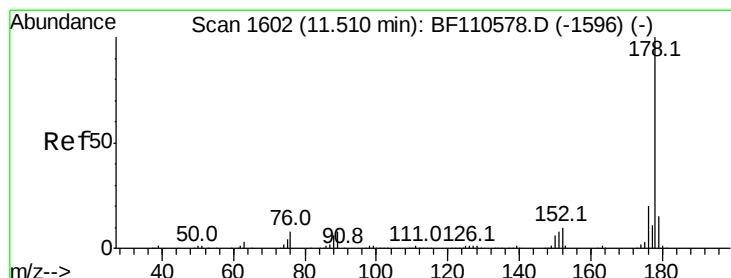
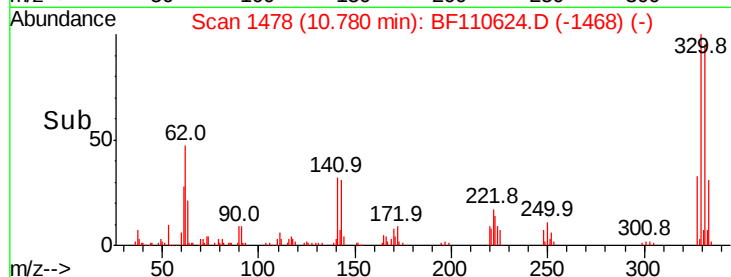
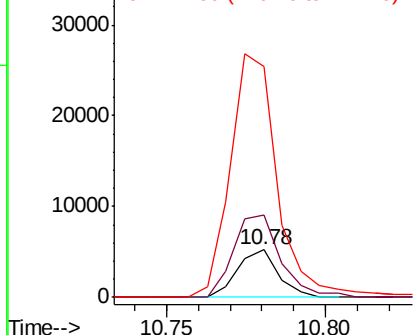
#67
 4-Bromophenyl-phenylether
 Concen: 2.301 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.24 min
 Lab File: BF110624.D
 Acq: 9 Nov 2018 13:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 4663
 Ion Ratio Lower Upper
 248 100
 250 172.6 79.4 119.2#
 141 485.0 55.9 83.9#

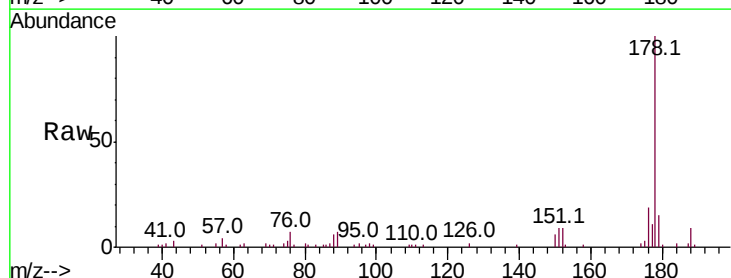


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

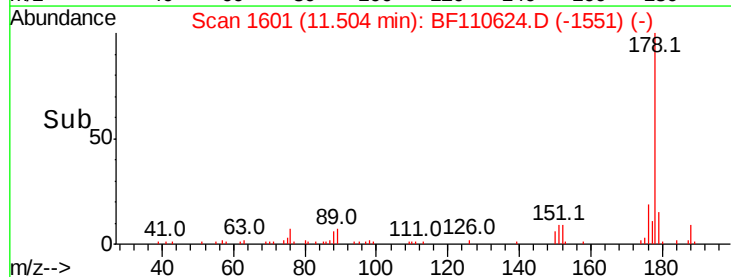
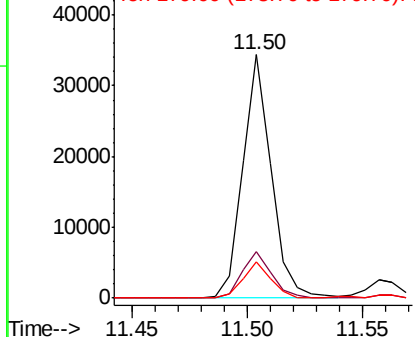


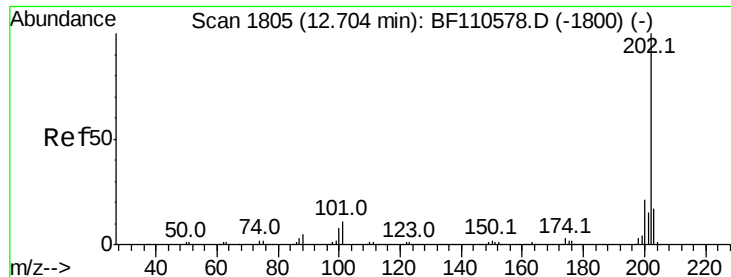
#71
 Phenanthrene
 Concen: 3.030 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF110624.D
 Acq: 9 Nov 2018 13:41

Tgt Ion:178 Resp: 29762
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.5 23.3
 179 14.8 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: 6.775 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110624.D

Acq: 9 Nov 2018 13:41

Instrument :

BNA_F

ClientSampleId :

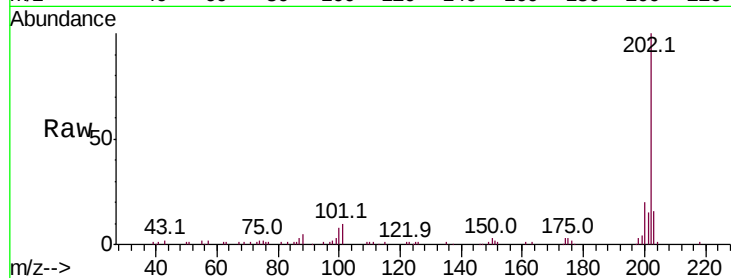
Tot Ion:202 Resp: 66728

Ion Ratio Lower Upper

202 100

101 9.6 0.0 31.4

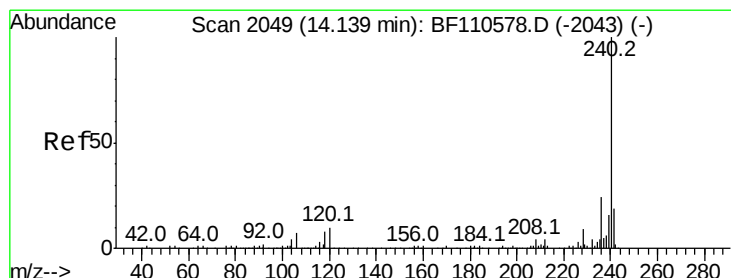
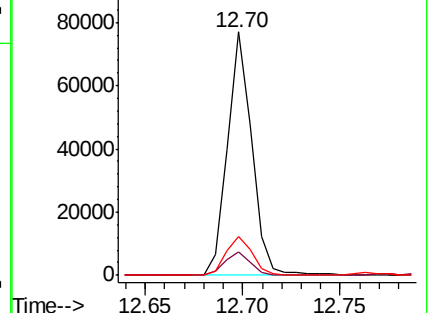
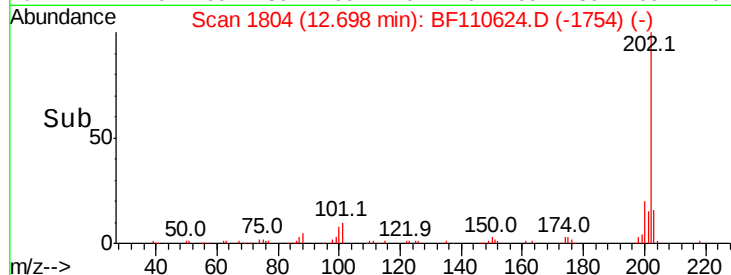
203 16.0 0.0 37.7



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: BF110624.D

Acq: 9 Nov 2018 13:41

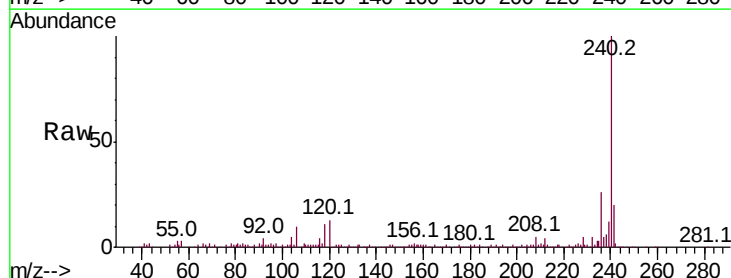
Tgt Ion:240 Resp: 146747

Ion Ratio Lower Upper

240 100

120 12.6 8.3 12.5#

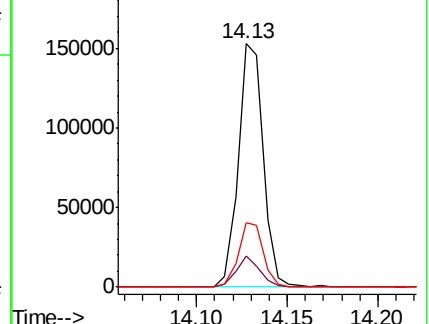
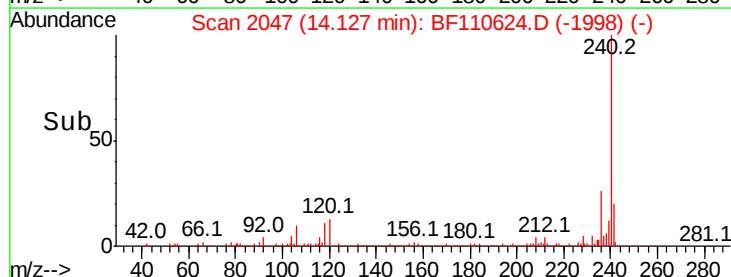
236 26.5 21.2 31.8

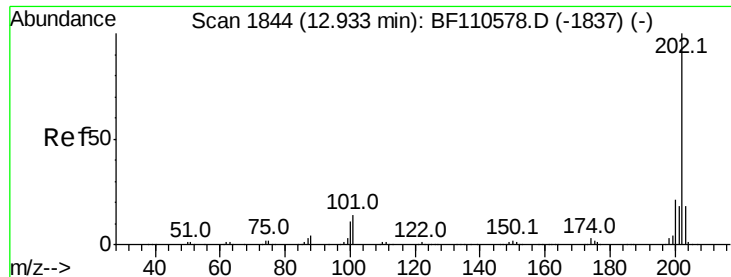


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

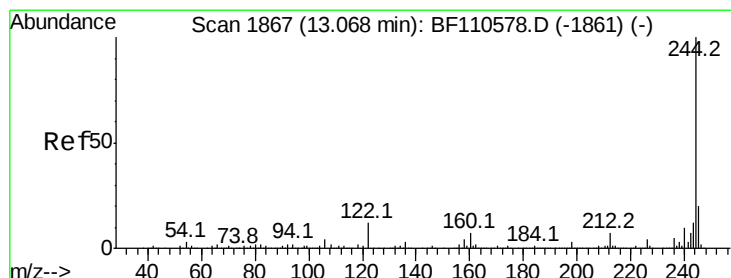
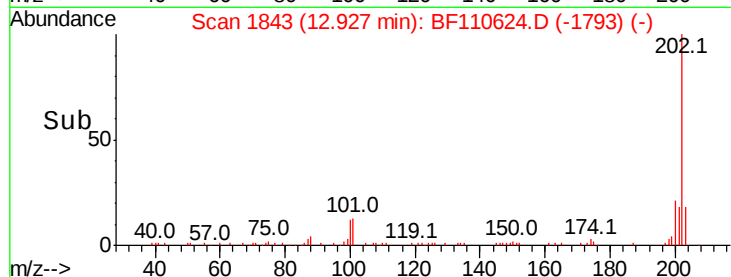
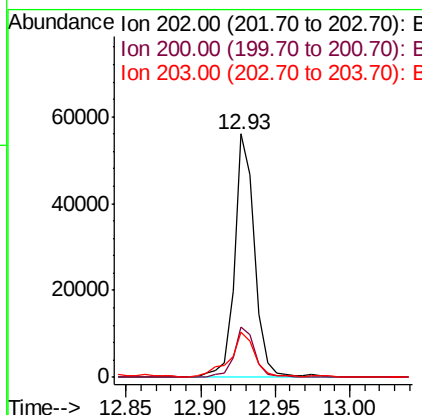
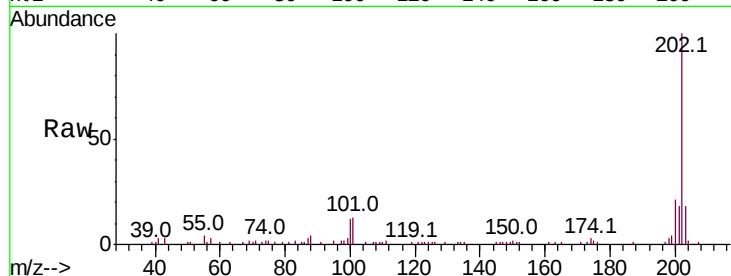




#78
 Pvrene
 Concen: 4.670 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF110624.D
 Acq: 9 Nov 2018 13:41

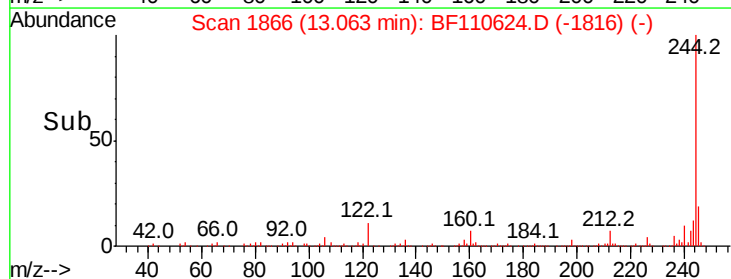
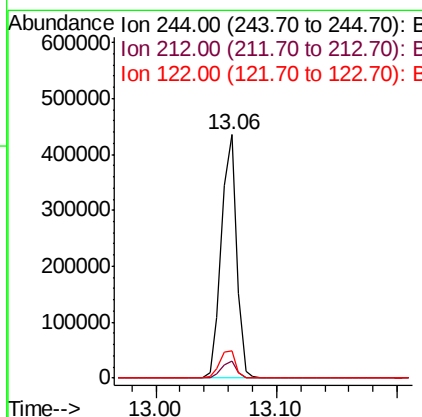
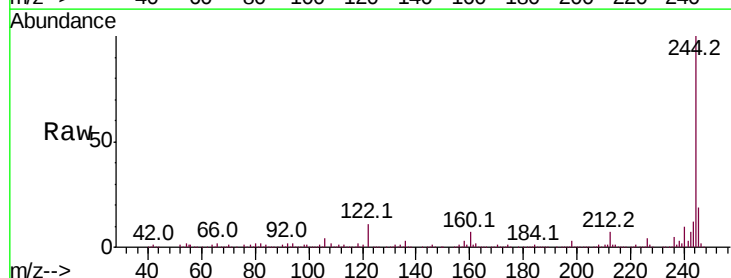
Instrument :
 BNA_F
 ClientSampleId :

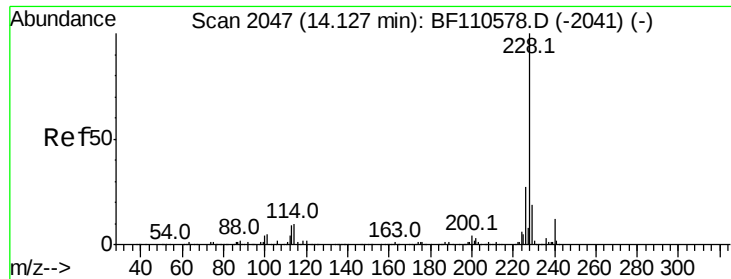
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.8	26.6
203	18.4	14.2	21.4



#79
 Terphenyl-d14
 Concen: 48.148 ng
 RT: 13.06 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: BF110624.D
 Acq: 9 Nov 2018 13:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	11.3	8.7	13.1

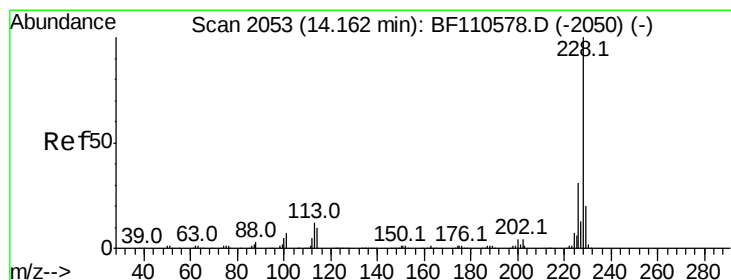
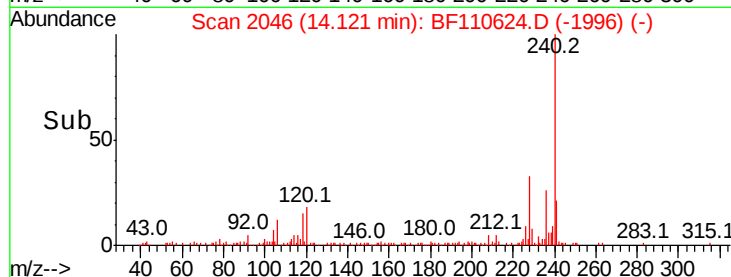
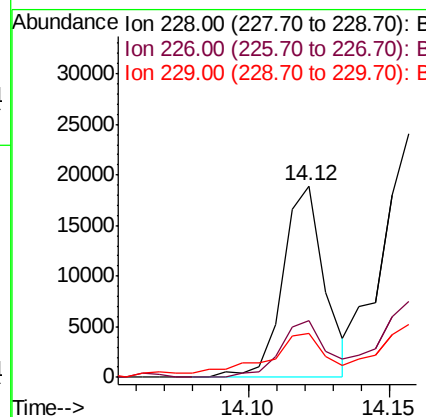
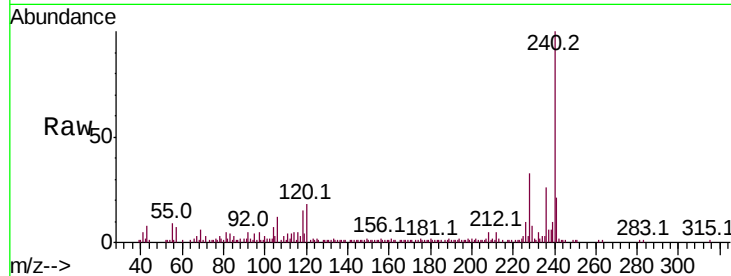




#81
Benzo(a)anthracene
Concen: 2.212 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF110624.D
Acq: 9 Nov 2018 13:41

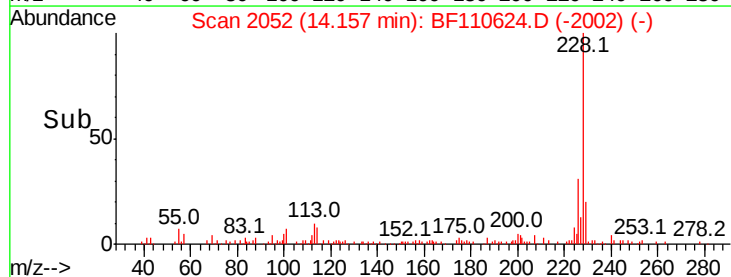
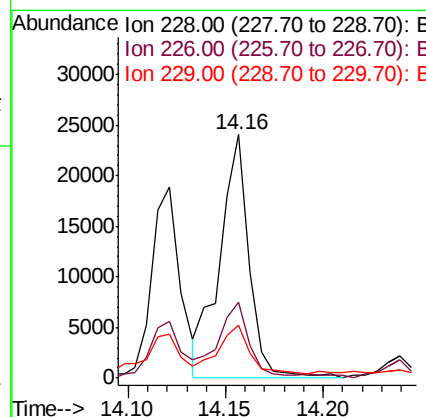
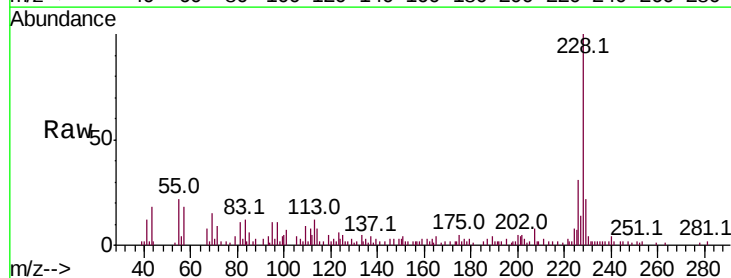
Instrument :
BNA_F
ClientSampleId :

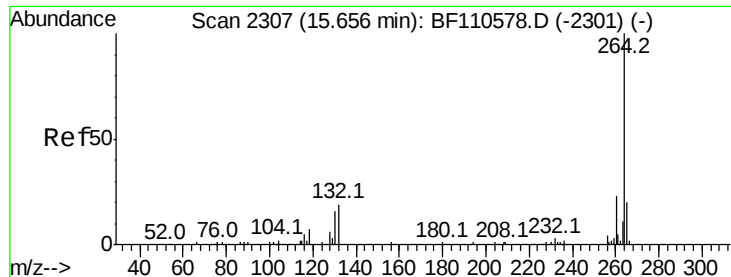
Tot Ion:228 Resp: 19399
Ion Ratio Lower Upper
228 100
226 29.4 22.1 33.1
229 23.1 15.6 23.4



#83
Chrysene
Concen: 3.042 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110624.D
Acq: 9 Nov 2018 13:41

Tgt Ion:228 Resp: 25421
Ion Ratio Lower Upper
228 100
226 31.4 24.7 37.1
229 21.7 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: BF110624.D

Acq: 9 Nov 2018 13:41

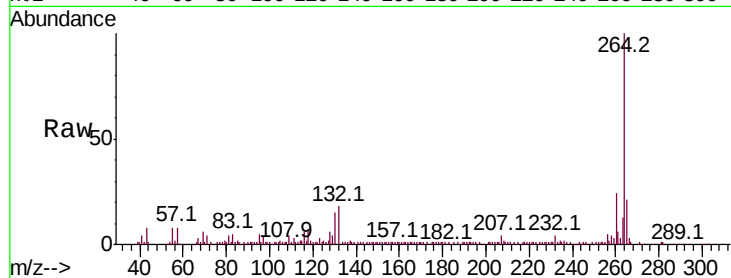
Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 103337

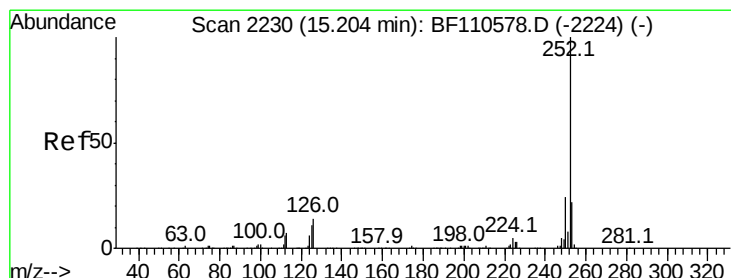
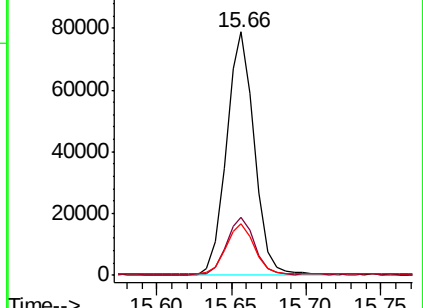
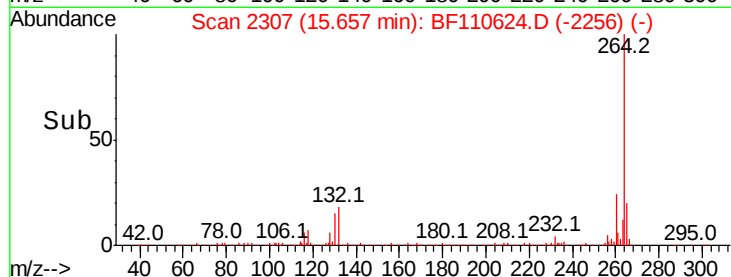
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	21.2	16.7	25.1



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: 5.704 ng

RT: 15.20 min Scan# 2230

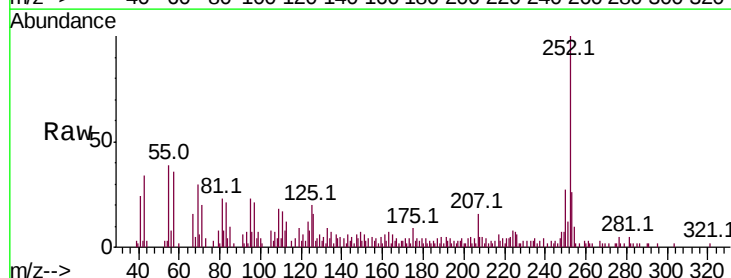
Delta R.T. 0.00 min

Lab File: BF110624.D

Acq: 9 Nov 2018 13:41

Tgt Ion:252 Resp: 35261

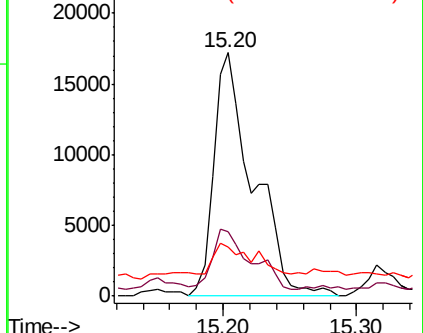
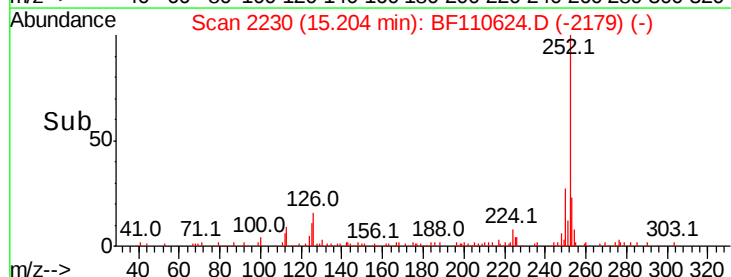
Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.2	25.8#
125	20.1	8.2	12.4#

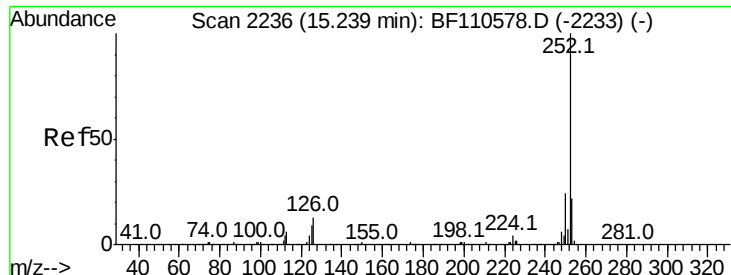


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

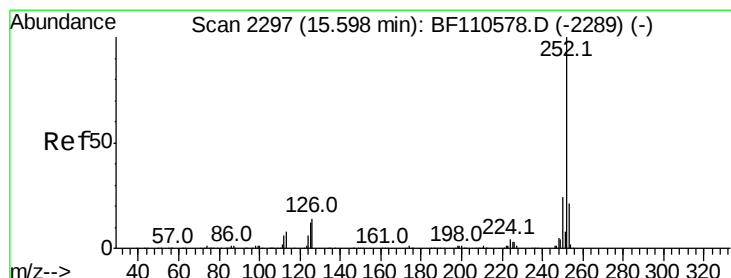
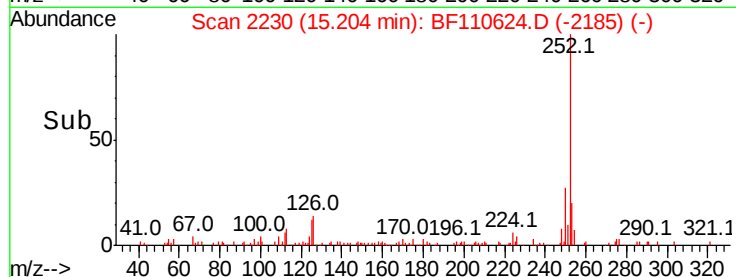
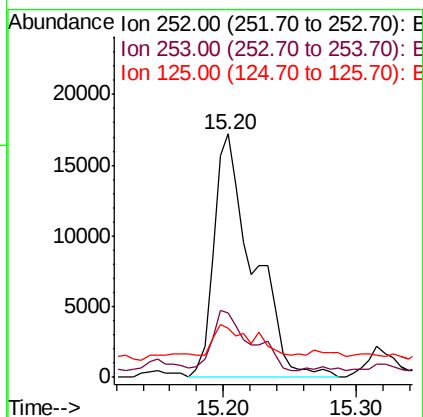
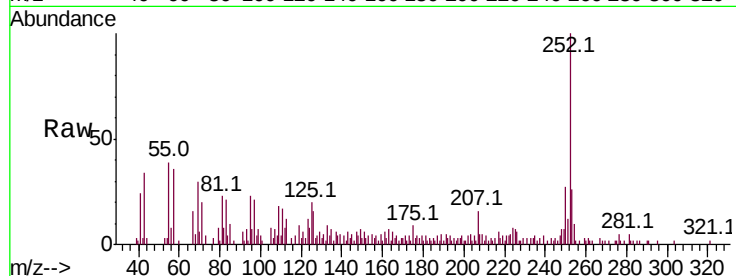




#89
Benzo(k)fluoranthene
Concen: 5.772 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110624.D
Acq: 9 Nov 2018 13:41

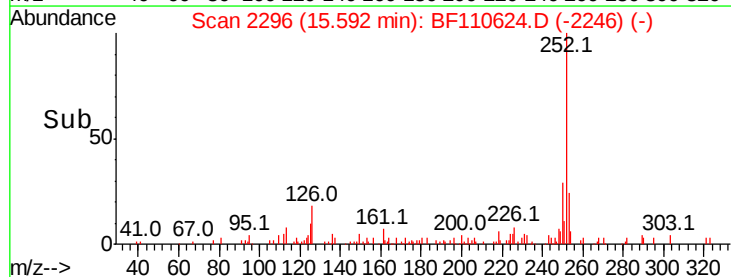
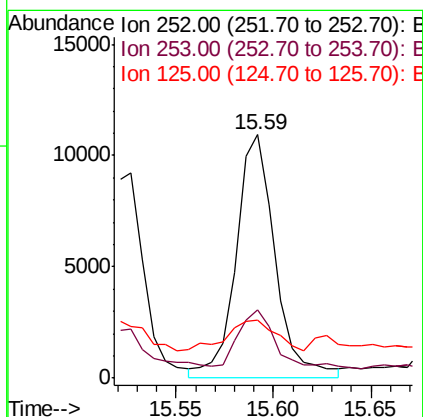
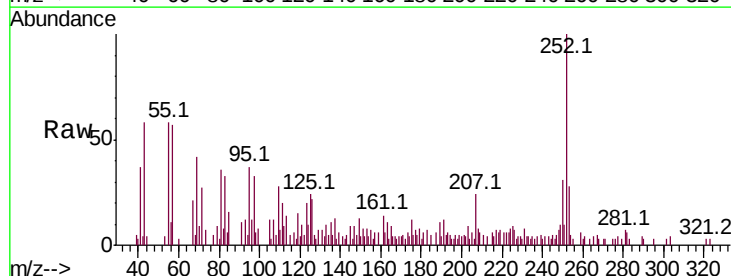
Instrument :
BNA_F
ClientSampleId :

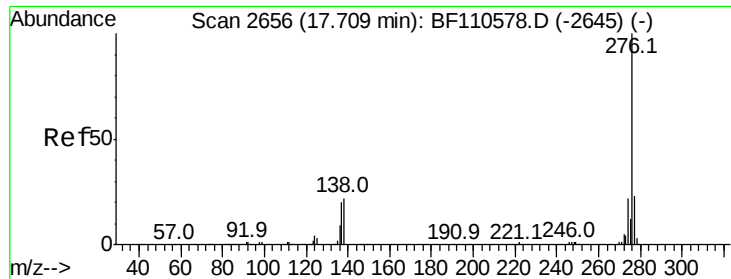
Tot Ion:252 Resp: 35261
Ion Ratio Lower Upper
252 100
253 26.3 17.2 25.8#
125 20.1 7.4 11.0#



#90
Benzo(a)pyrene
Concen: 2.711 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF110624.D
Acq: 9 Nov 2018 13:41

Tgt Ion:252 Resp: 15225
Ion Ratio Lower Upper
252 100
253 28.2 18.2 27.4#
125 23.8 9.0 13.6#





#92
 Benzo(a,h,i)perylene
 Concen: 2.192 ng
 RT: 17.71 min Scan# 2656
 Delta R.T. 0.00 min
 Lab File: BF110624.D
 Acq: 9 Nov 2018 13:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 10338
 Ion Ratio Lower Upper
 276 100
 277 30.5 18.8 28.2#
 138 24.9 16.0 24.0#

