

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110718\
 Data File : BF110566.D
 Acq On : 7 Nov 2018 20:08
 Operator : JU/SJ
 Sample : J5813-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 08 16:22:53 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	69467	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	269233	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	113004	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	192065	20.00	ng	0.00
76) Chrysene-d12	14.14	240	170515	20.00	ng	0.00
87) Perylene-d12	15.66	264	125604	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	379483	88.96	ng	0.00
7) Phenol-d6	6.57	99	480112	87.99	ng	0.00
23) Nitrobenzene-d5	7.52	82	293414	64.64	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	93143	83.21	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	510826	70.98	ng	-0.01
79) Terphenyl-d14	13.07	244	424010	51.71	ng	0.00

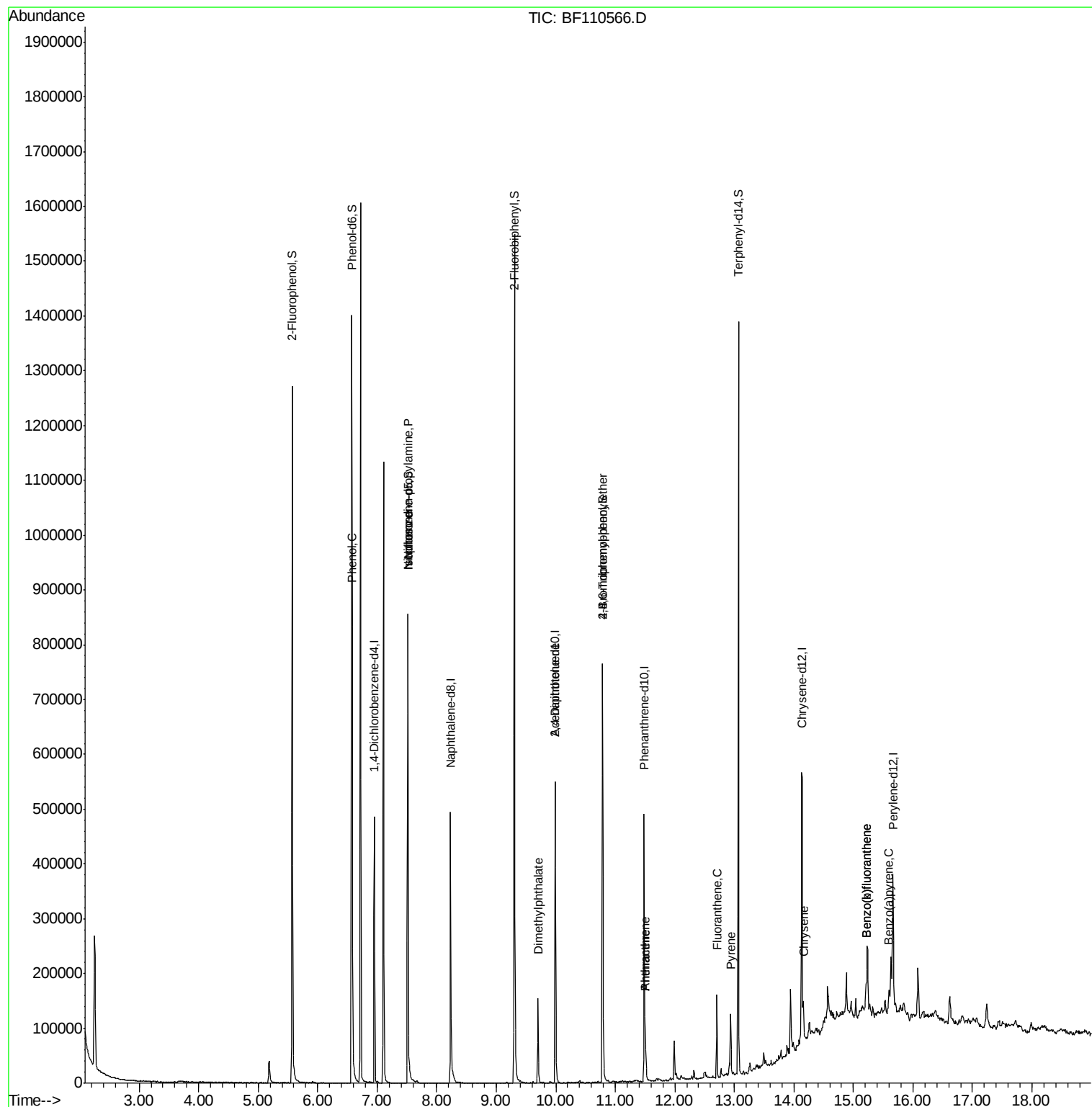
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	873	Below Cal		# 1
10) Phenol	6.59	94	30967	5.309	ng	# 68
19) n-Nitroso-di-n-propylamine	7.52	70	38125	10.891	ng	# 79
25) Isophorone	7.52	82	293442	37.925	ng	# 67
50) Dimethylphthalate	9.70	163	70043	8.397	ng	# 99
57) 2,4-Dinitrotoluene	9.99	165	14555	6.377	ng	# 17
67) 4-Bromophenyl-phenylether	10.79	248	5697	2.735	ng	# 1
71) Phenanthrene	11.51	178	25563	2.544	ng	# 98
72) Anthracene	11.51	178	25563	2.538	ng	# 98
75) Fluoranthene	12.70	202	61822	6.061	ng	# 99
78) Pyrene	12.94	202	48416	3.961	ng	# 96
83) Chrysene	14.16	228	25198	2.624	ng	# 95
88) Benzo(b)fluoranthene	15.21	252	38703	5.336	ng	# 93
89) Benzo(k)fluoranthene	15.21	252	38703	5.428	ng	# 92
90) Benzo(a)pyrene	15.60	252	16024	2.401	ng	# 91

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

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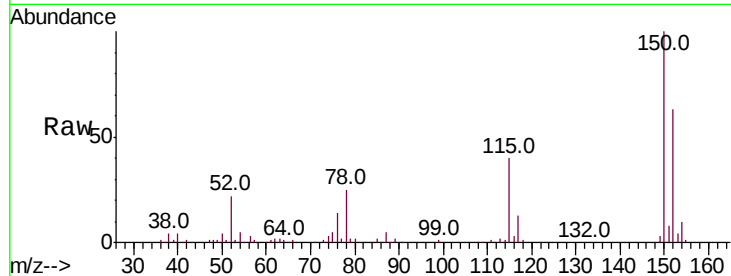


#1

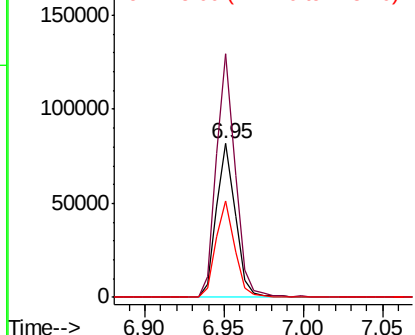
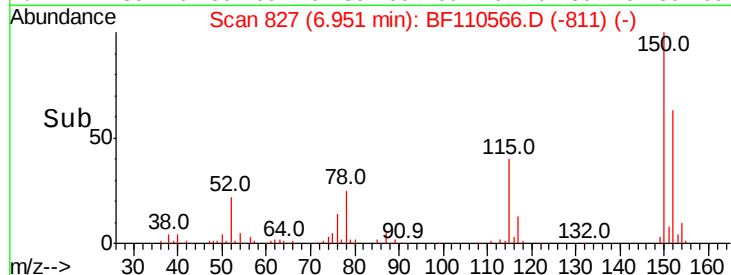
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF110566.D
Acq: 7 Nov 2018 20:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 69467
Ion Ratio Lower Upper
152 100
150 158.2 122.7 184.1
115 62.9 49.1 73.7



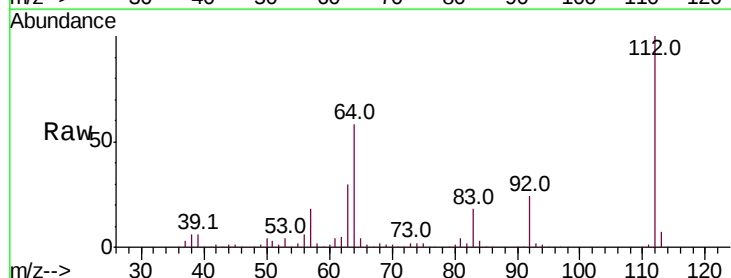
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



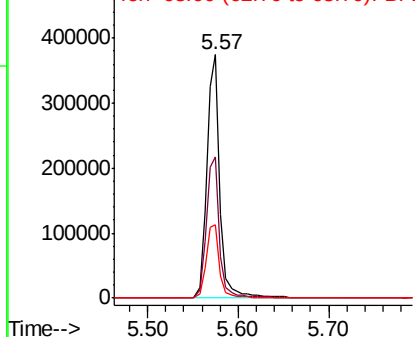
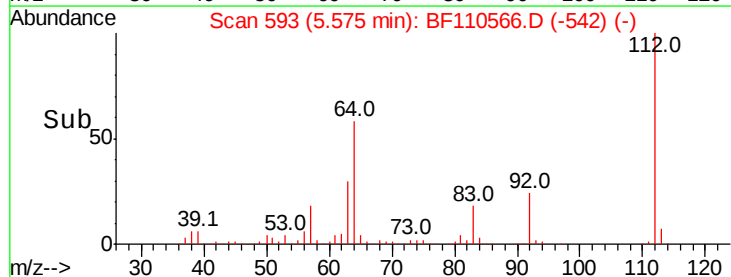
#5

2-Fluorophenol
Concen: 88.959 ng
RT: 5.57 min Scan# 593
Delta R.T. 0.00 min
Lab File: BF110566.D
Acq: 7 Nov 2018 20:08

Tgt Ion:112 Resp: 379483
Ion Ratio Lower Upper
112 100
64 57.7 44.1 66.1
63 30.3 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: 87.992 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110566.D

Acq: 7 Nov 2018 20:08

Instrument :

BNA_F

ClientSampleId :

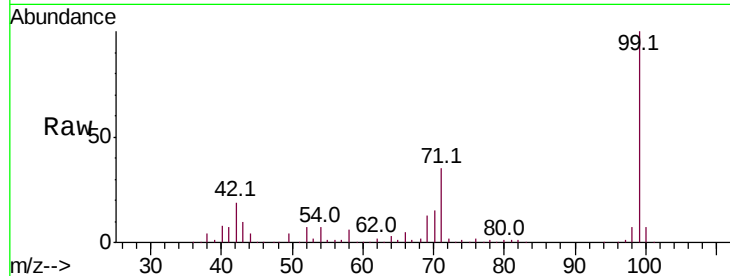
Tot Ion: 99 Resp: 480112

Ion Ratio Lower Upper

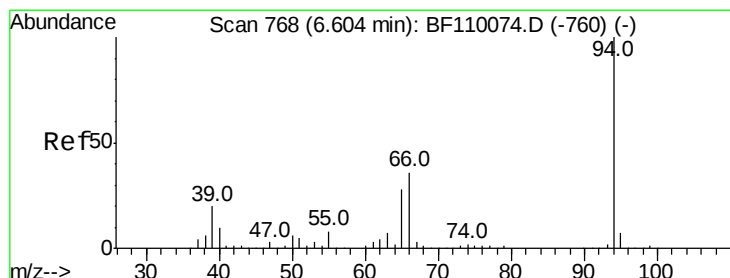
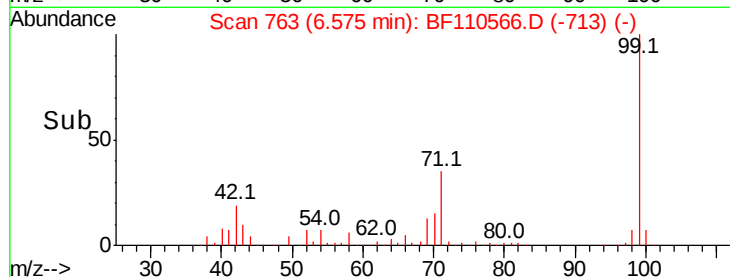
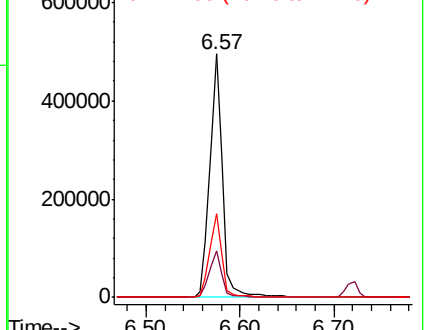
99 100

42 19.3 15.8 23.6

71 34.6 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: 5.309 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF110566.D

Acq: 7 Nov 2018 20:08

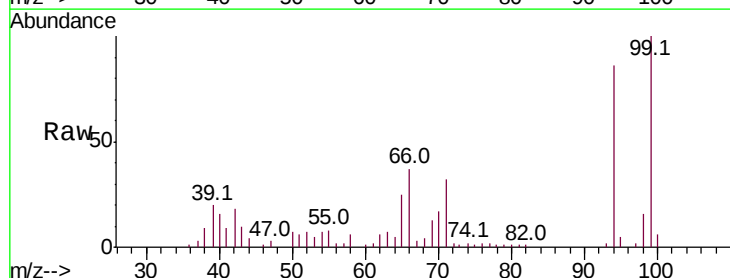
Tgt Ion: 94 Resp: 30967

Ion Ratio Lower Upper

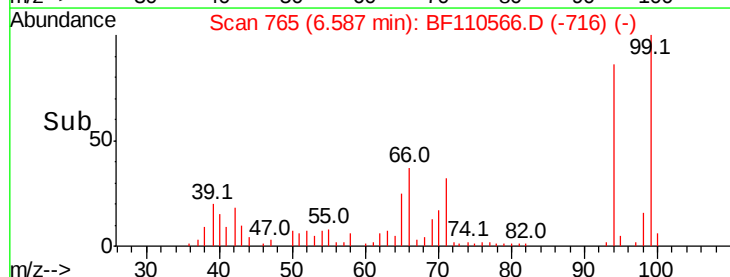
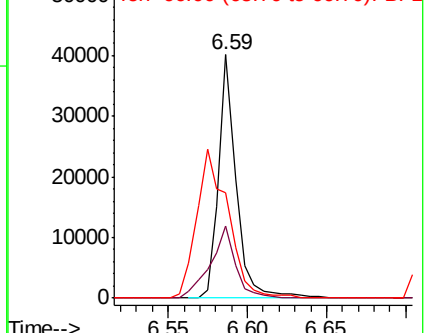
94 100

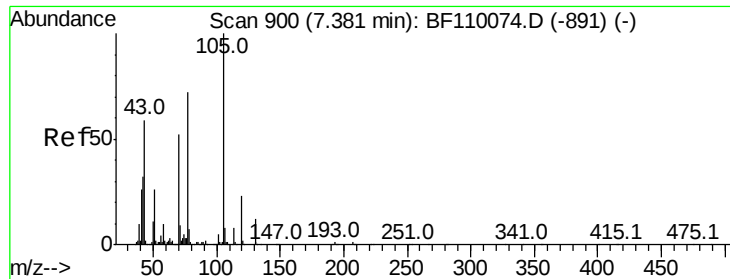
65 29.6 25.3 65.3

66 43.4 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

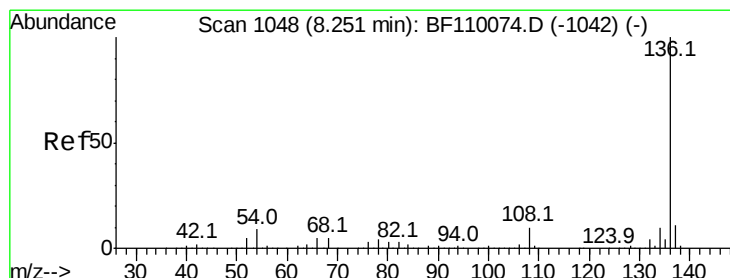
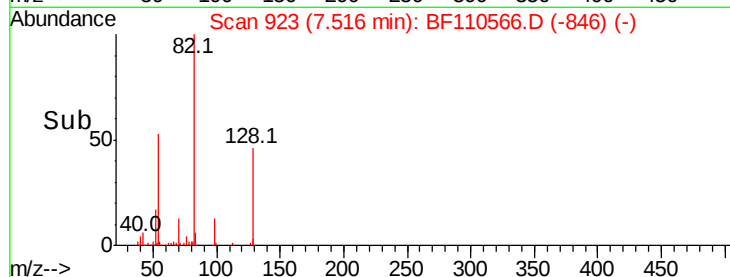
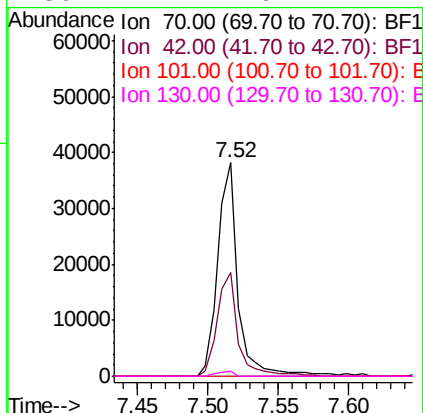
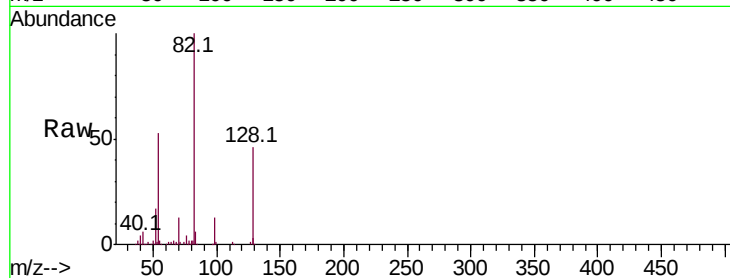




#19
n-Nitroso-di-n-propylamine
Concen: 10.891 ng
RT: 7.52 min Scan# 923
Delta R.T. 0.15 min
Lab File: BF110566.D
Acq: 7 Nov 2018 20:08

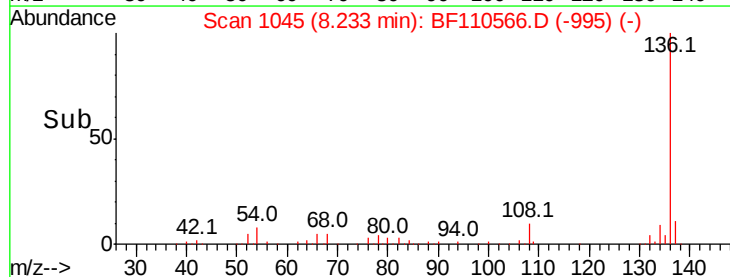
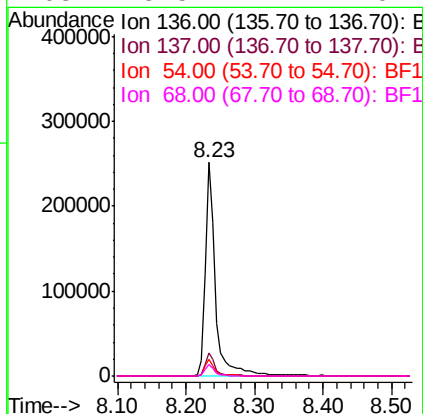
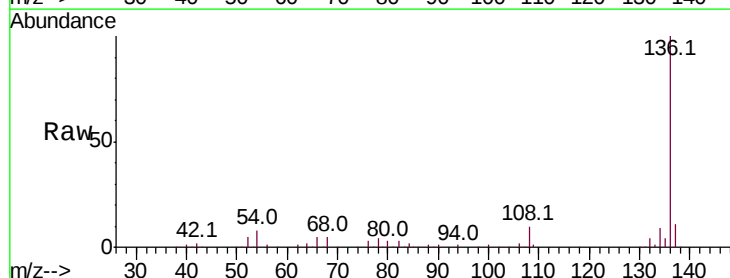
Instrument :
BNA_F
ClientSampleId :

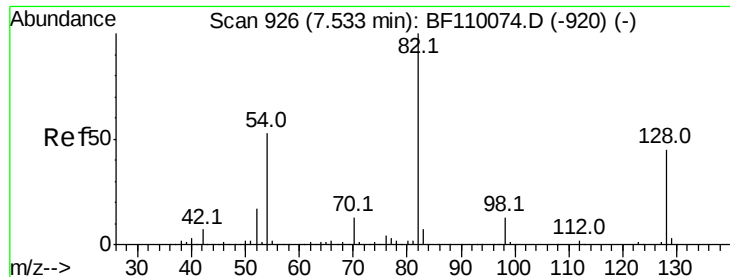
Tot Ion: 70 Resp: 38125
Ion Ratio Lower Upper
70 100
42 48.4 47.4 71.2
101 0.0 7.3 10.9#
130 2.2 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF110566.D
Acq: 7 Nov 2018 20:08

Tgt Ion: 136 Resp: 269233
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 8.0 5.4 8.2
68 5.5 4.2 6.2

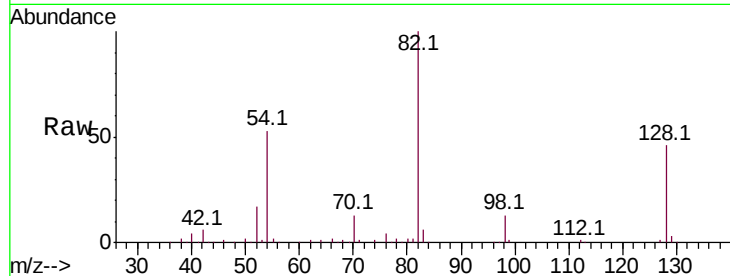




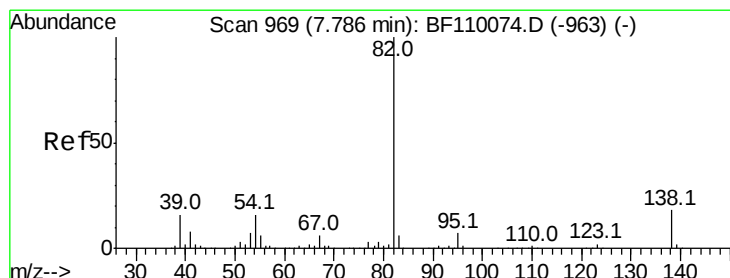
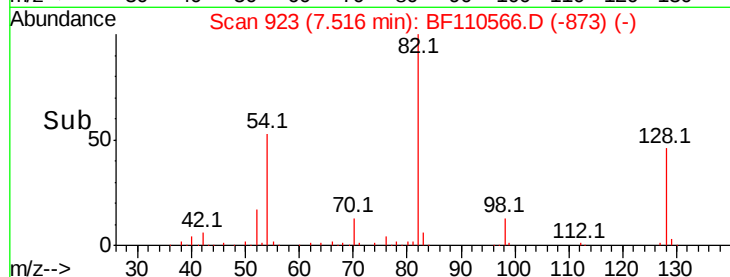
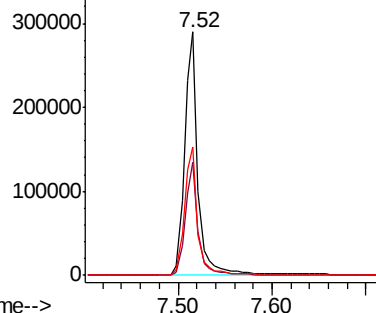
#23
Nitrobenzene-d5
Concen: 64.640 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF110566.D
Acq: 7 Nov 2018 20:08

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	293414
Ion Ratio	Lower	Upper	
82	100		
128	46.5	34.2	51.2
54	52.5	38.6	58.0

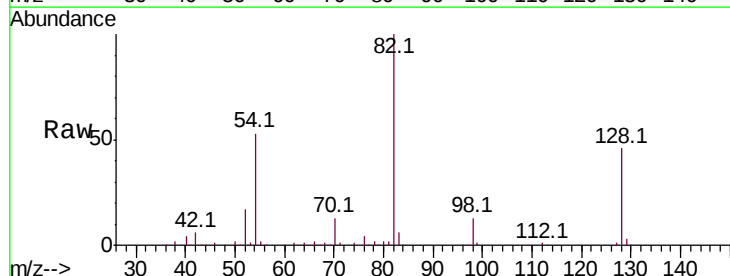


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

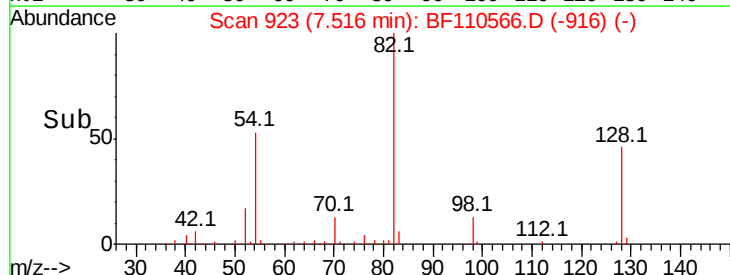
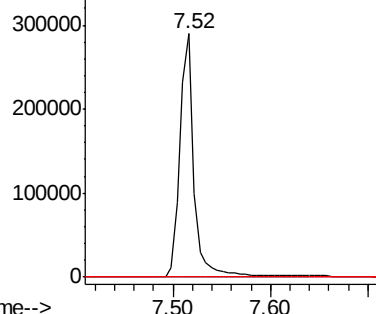


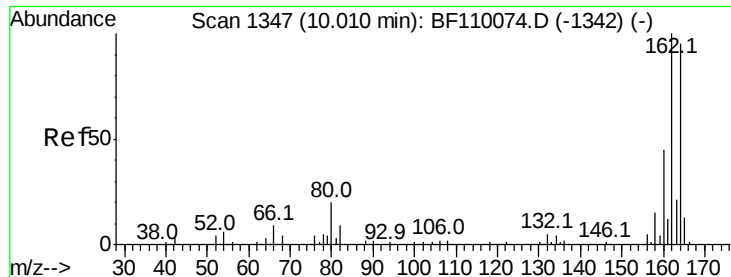
#25
Isophorone
Concen: 37.925 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.26 min
Lab File: BF110566.D
Acq: 7 Nov 2018 20:08

Tgt Ion	82	Resp	293442
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

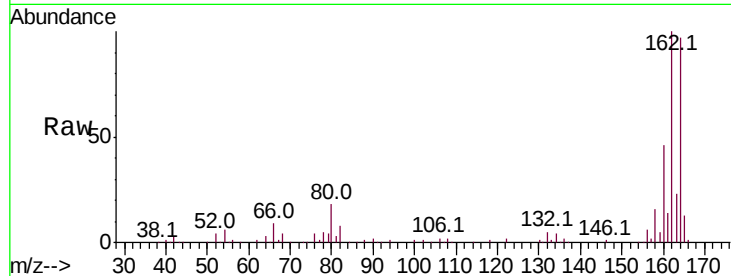




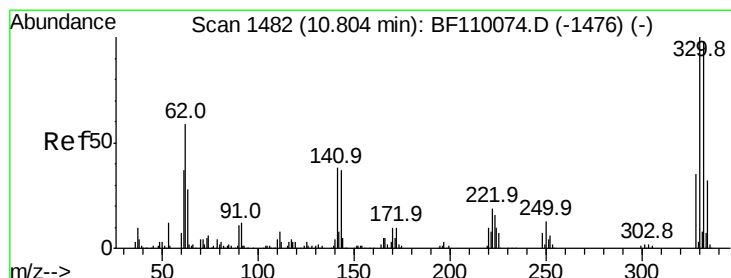
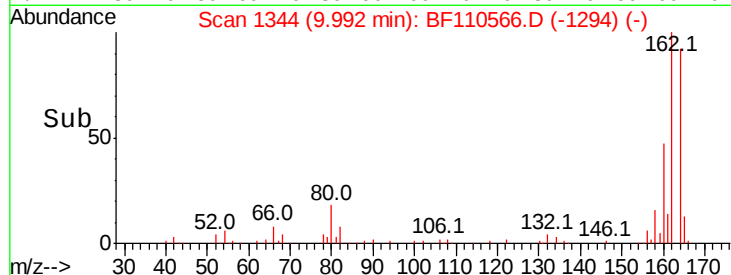
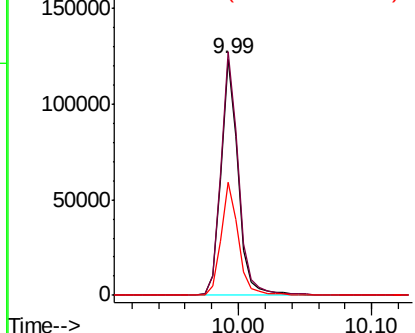
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF110566.D
Acq: 7 Nov 2018 20:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 113004
Ion Ratio Lower Upper
164 100
162 103.0 83.0 124.6
160 47.7 37.0 55.6

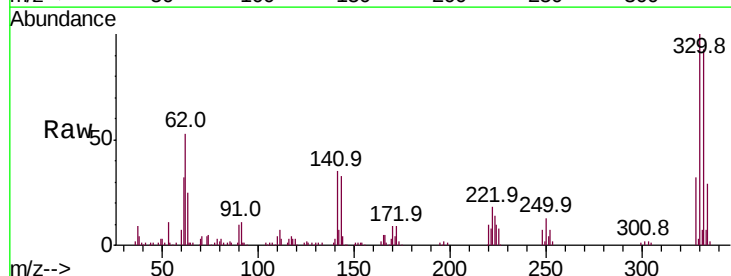


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

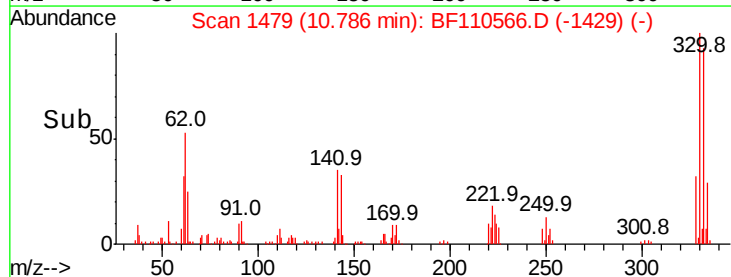
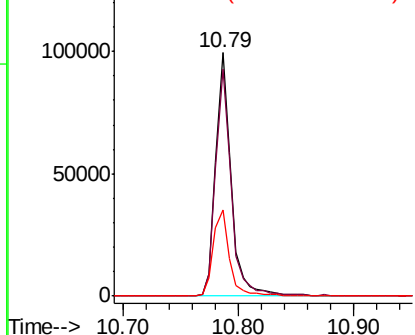


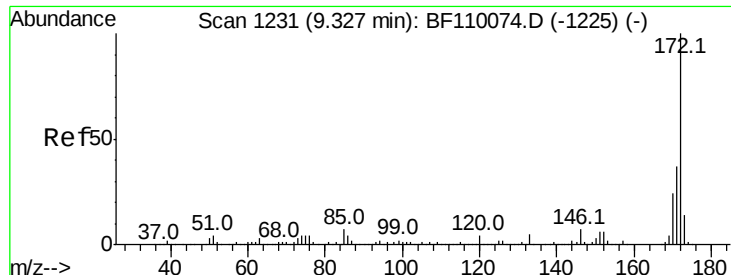
#42
2,4,6-Tribromophenol
Concen: 83.209 ng
RT: 10.79 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BF110566.D
Acq: 7 Nov 2018 20:08

Tgt Ion:330 Resp: 93143
Ion Ratio Lower Upper
330 100
332 94.6 77.1 115.7
141 37.3 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

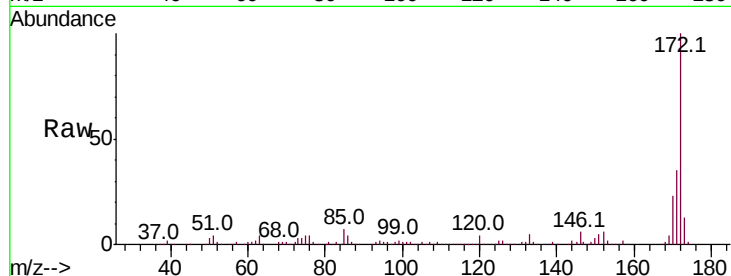




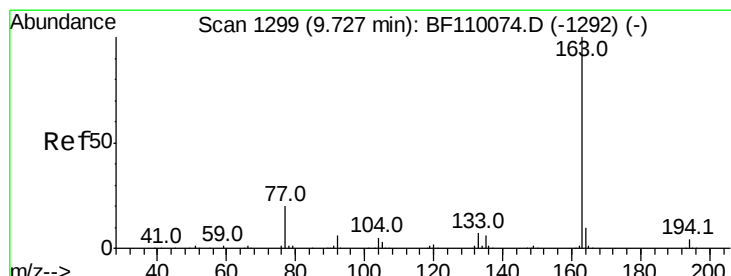
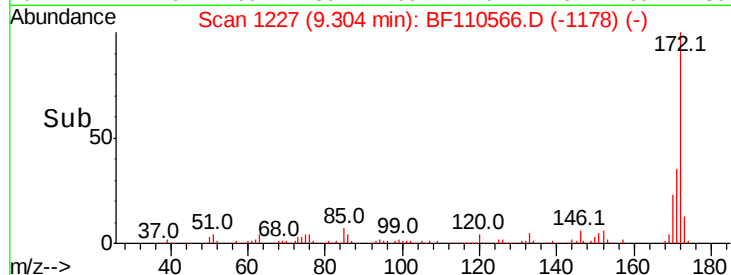
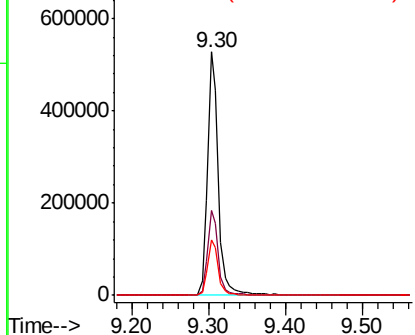
#45
2-Fluorobiphenyl
Concen: 70.982 ng
RT: 9.30 min Scan# 1227
Delta R.T. -0.01 min
Lab File: BF110566.D
Acq: 7 Nov 2018 20:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 510826
Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 23.0 19.7 29.5

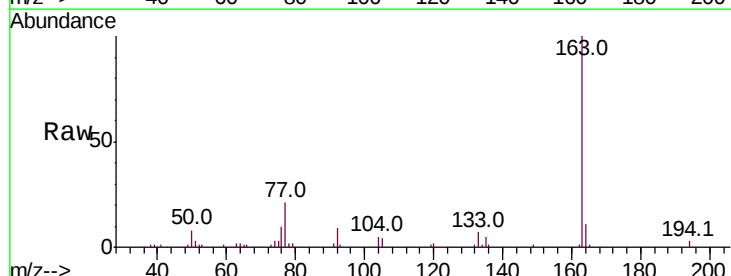


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

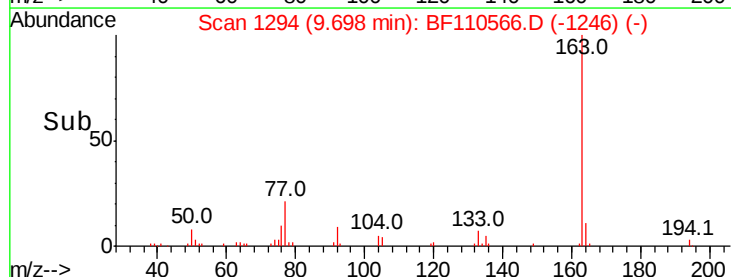
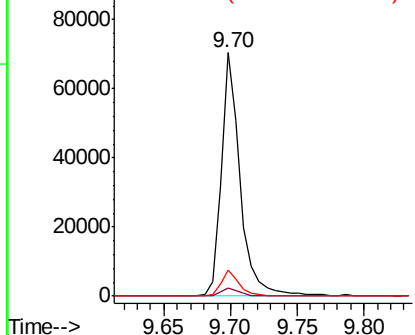


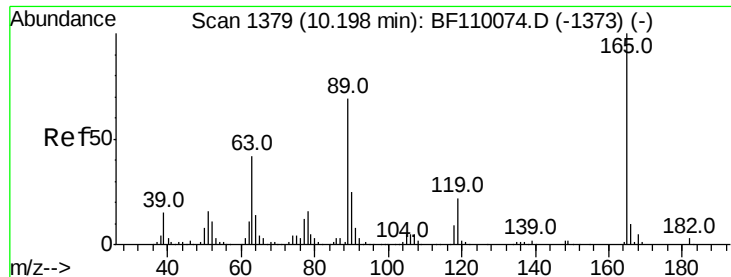
#50
Dimethylphthalate
Concen: 8.397 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BF110566.D
Acq: 7 Nov 2018 20:08

Tgt Ion:163 Resp: 70043
Ion Ratio Lower Upper
163 100
194 3.3 3.2 4.8
164 10.5 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

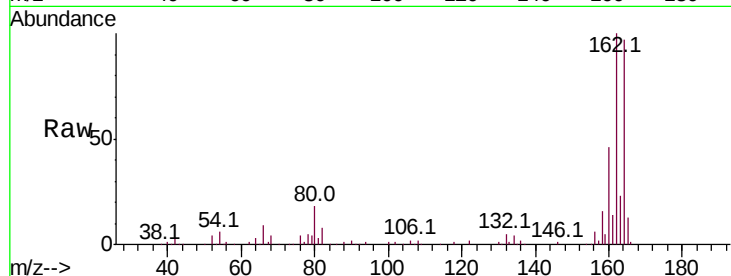




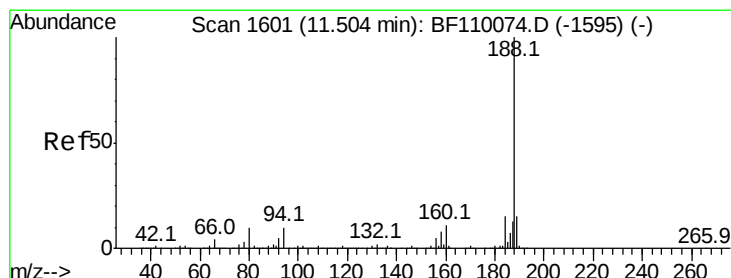
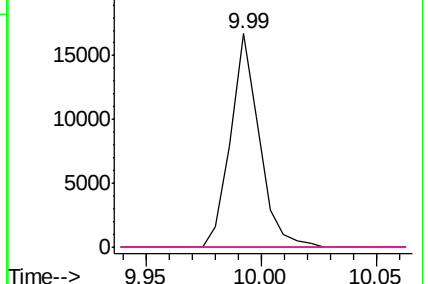
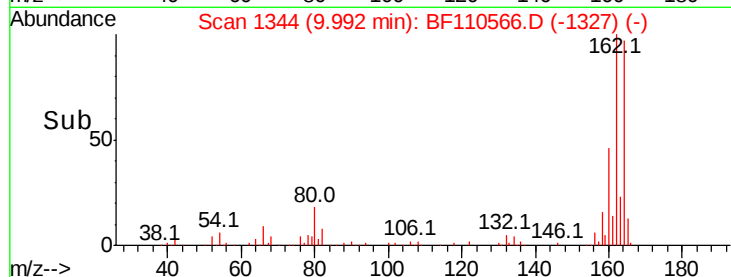
#57
2,4-Dinitrotoluene
Concen: 6.377 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.20 min
Lab File: BF110566.D
Acq: 7 Nov 2018 20:08

Instrument :
BNA_F
ClientSampled :

Tot Ion:	165	Resp:	14555
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#

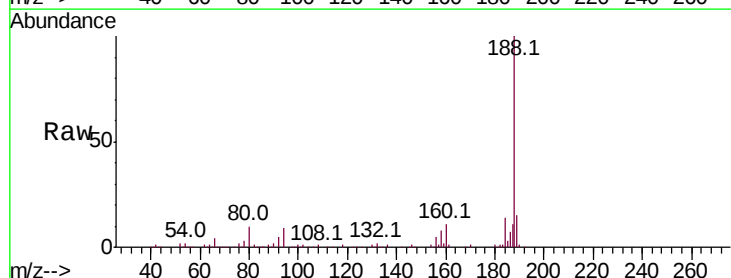


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

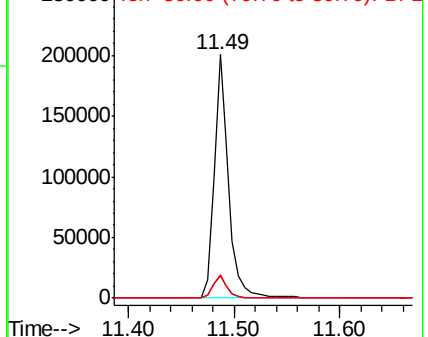
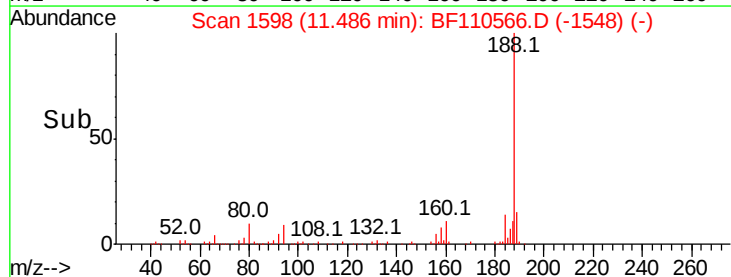


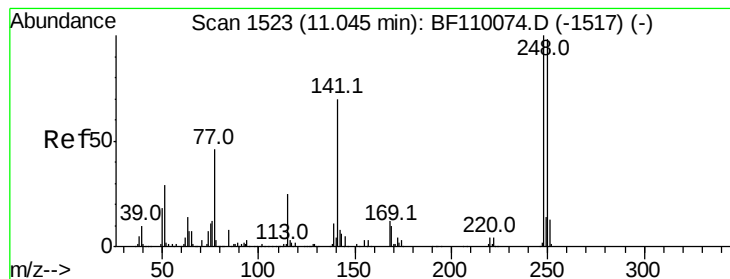
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF110566.D
Acq: 7 Nov 2018 20:08

Tgt Ion:	188	Resp:	192065
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

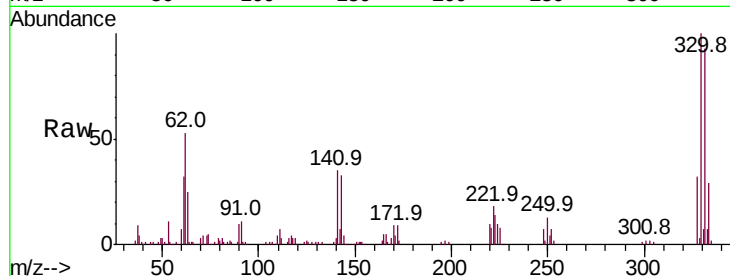




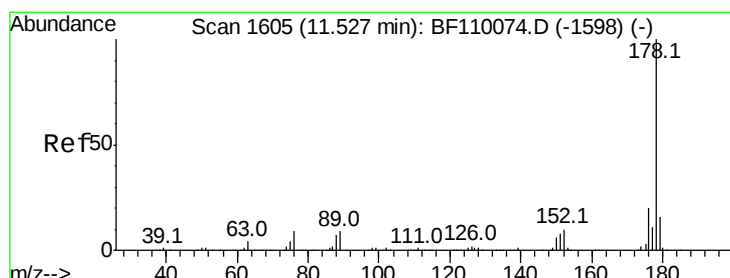
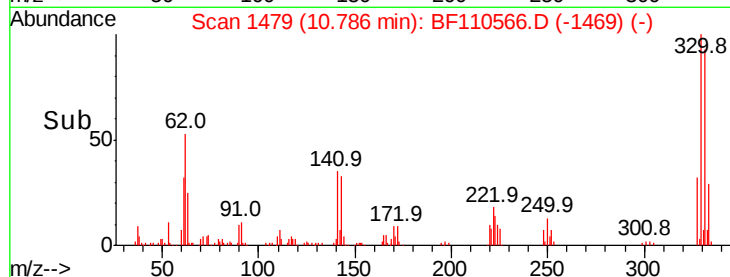
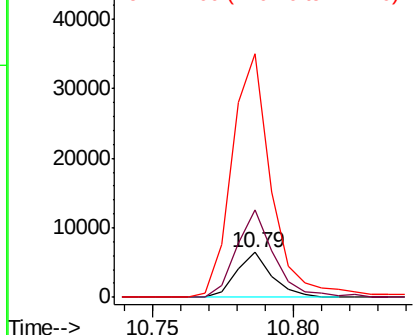
#67
 4-Bromophenyl-phenylether
 Concen: 2.735 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. -0.24 min
 Lab File: BF110566.D
 Acq: 7 Nov 2018 20:08

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 5697
 Ion Ratio Lower Upper
 248 100
 250 194.0 79.4 119.2#
 141 539.1 55.9 83.9#

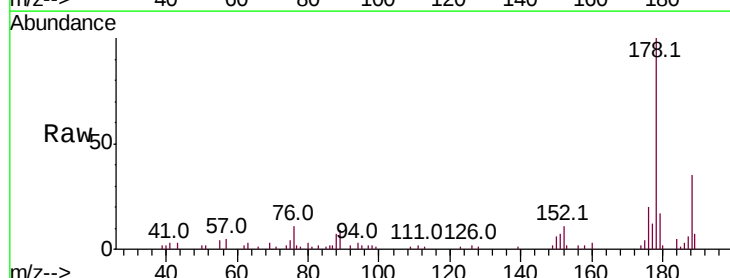


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

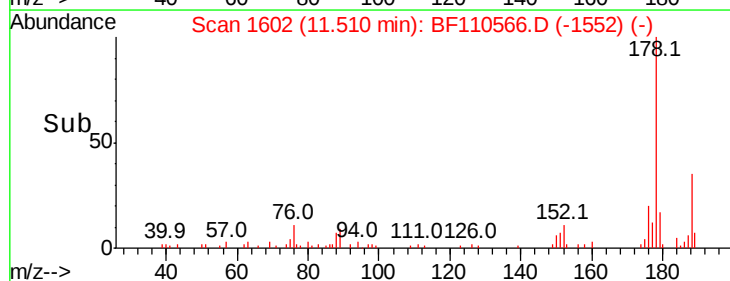
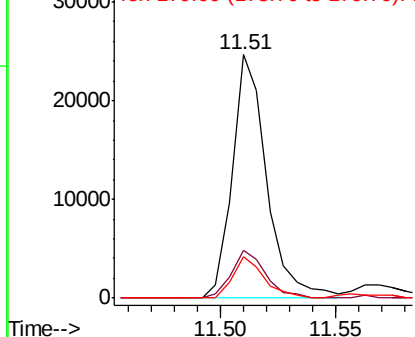


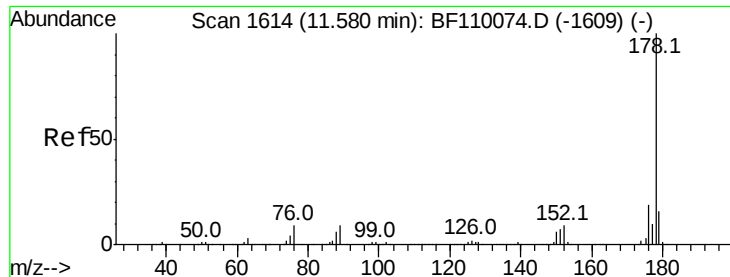
#71
 Phenanthrene
 Concen: 2.544 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.01 min
 Lab File: BF110566.D
 Acq: 7 Nov 2018 20:08

Tgt Ion:178 Resp: 25563
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.5 23.3
 179 17.0 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

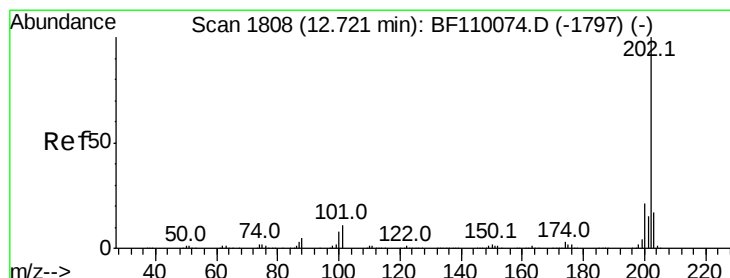
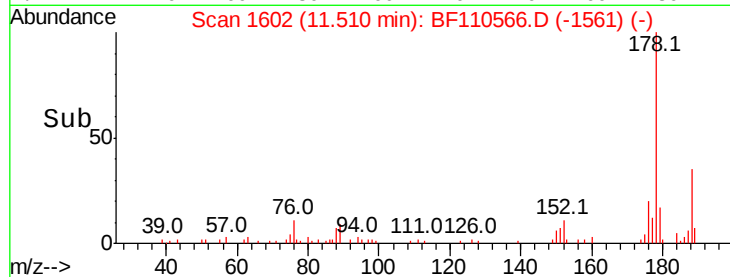
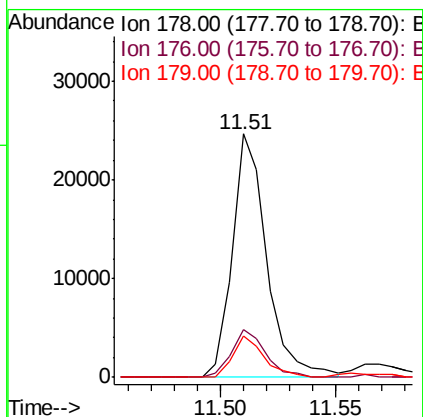
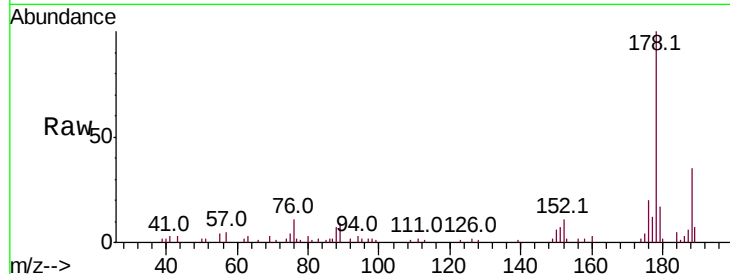




#72
 Anthracene
 Concen: 2.538 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.06 min
 Lab File: BF110566.D
 Acq: 7 Nov 2018 20:08

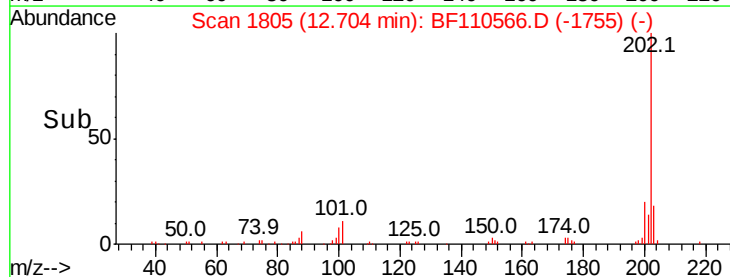
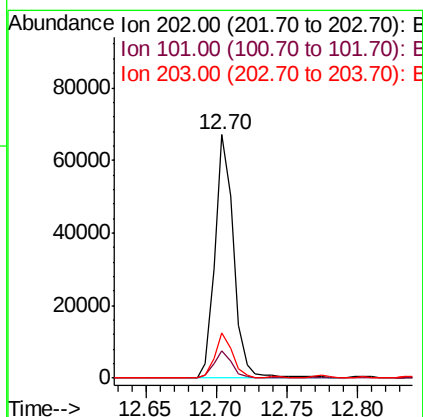
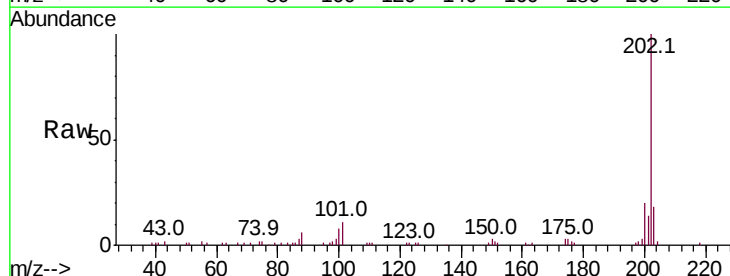
Instrument :
 BNA_F
 ClientSampleId :

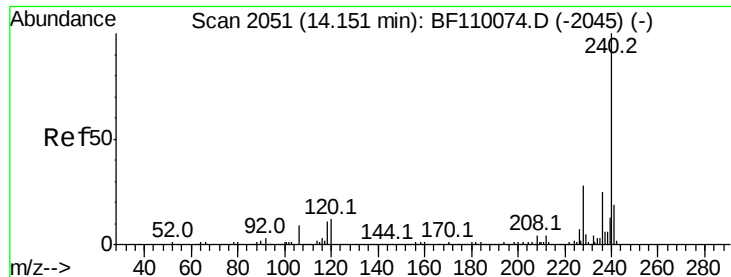
Tot Ion:178 Resp: 25563
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.4 23.2
 179 17.0 12.6 18.8



#75
 Fluoranthene
 Concen: 6.061 ng
 RT: 12.70 min Scan# 1805
 Delta R.T. -0.01 min
 Lab File: BF110566.D
 Acq: 7 Nov 2018 20:08

Tgt Ion:202 Resp: 61822
 Ion Ratio Lower Upper
 202 100
 101 11.0 0.0 31.4
 203 18.4 0.0 37.7

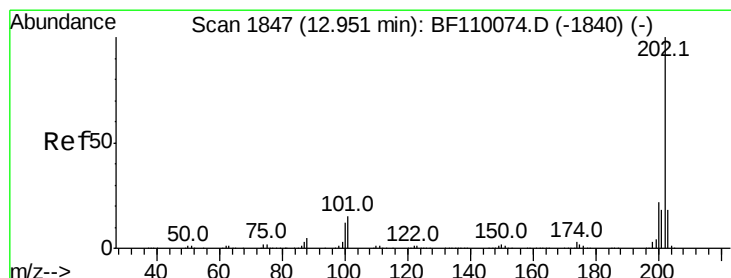
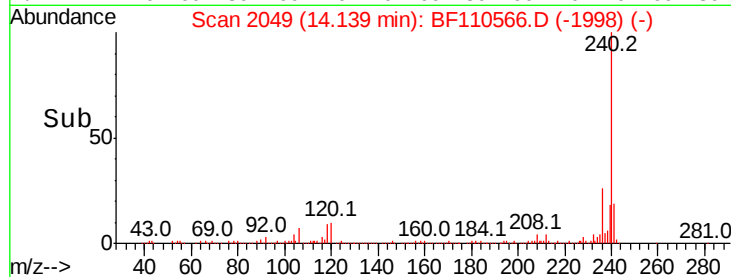
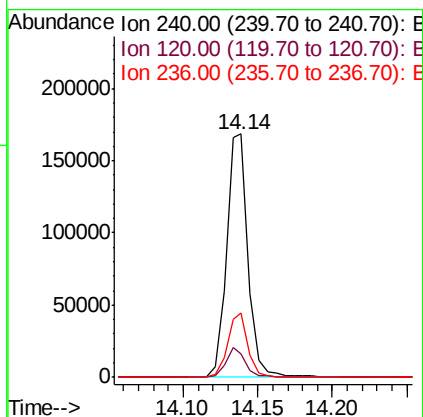
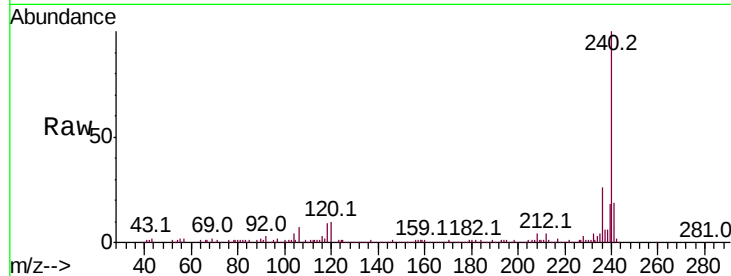




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2049
Delta R.T. 0.00 min
Lab File: BF110566.D
Acq: 7 Nov 2018 20:08

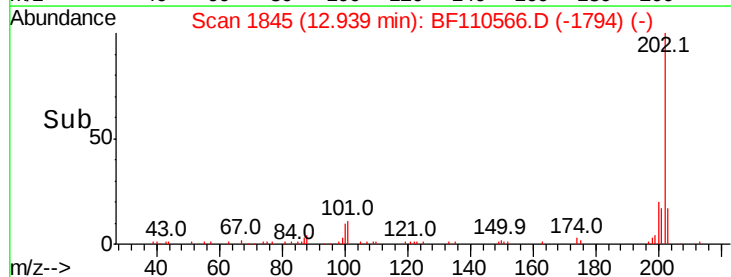
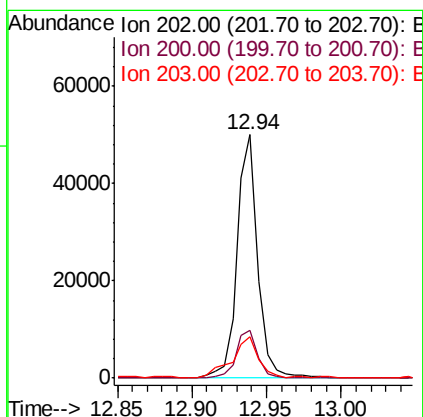
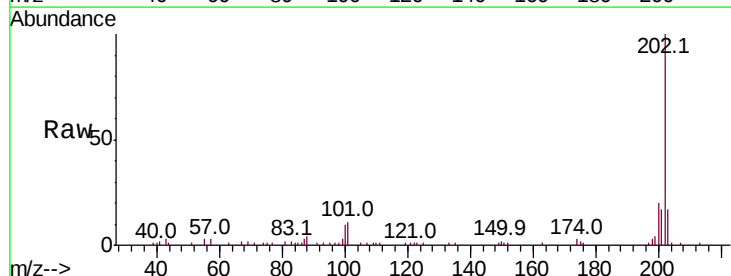
Instrument :
BNA_F
ClientSampleId :

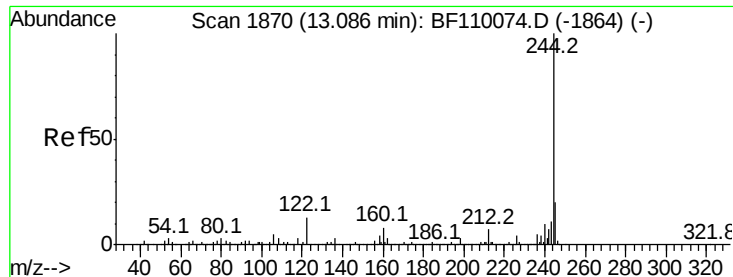
Tot Ion:240 Resp: 170515
Ion Ratio Lower Upper
240 100
120 9.7 8.3 12.5
236 26.4 21.2 31.8



#78
Pyrene
Concen: 3.961 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.00 min
Lab File: BF110566.D
Acq: 7 Nov 2018 20:08

Tgt Ion:202 Resp: 48416
Ion Ratio Lower Upper
202 100
200 19.8 17.8 26.6
203 17.0 14.2 21.4





#79

Terphenyl-d14

Concen: 51.715 ng

RT: 13.07 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BF110566.D

Acq: 7 Nov 2018 20:08

Instrument :

BNA_F

ClientSampleId :

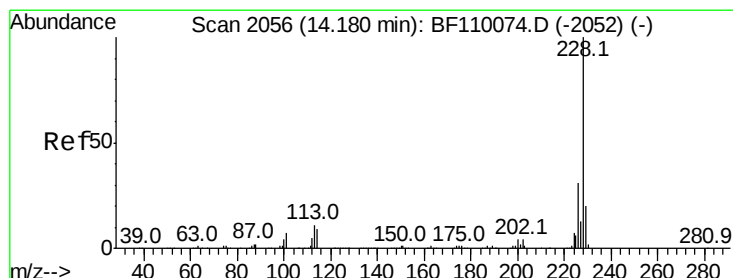
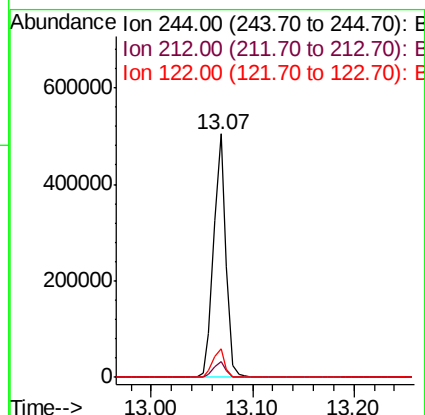
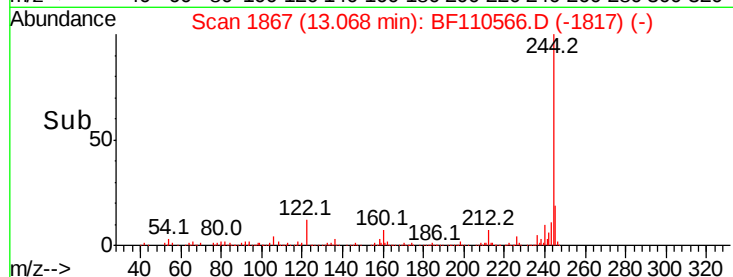
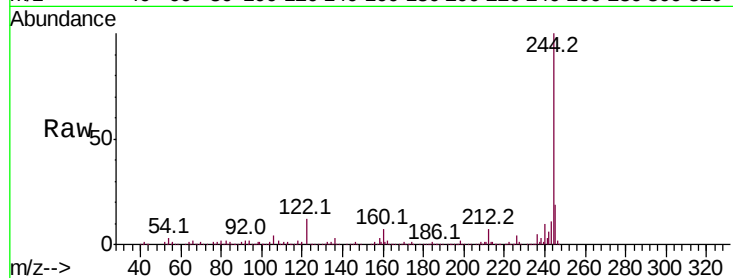
Tot Ion:244 Resp: 424010

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

122 11.8 8.7 13.1



#83

Chrysene

Concen: 2.624 ng

RT: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF110566.D

Acq: 7 Nov 2018 20:08

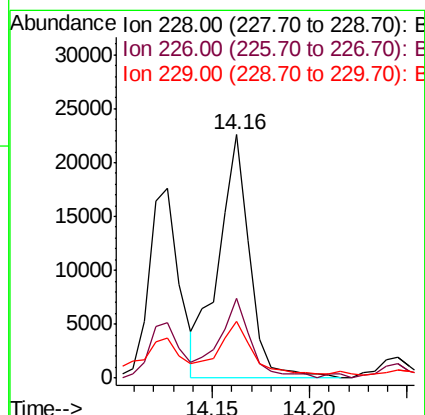
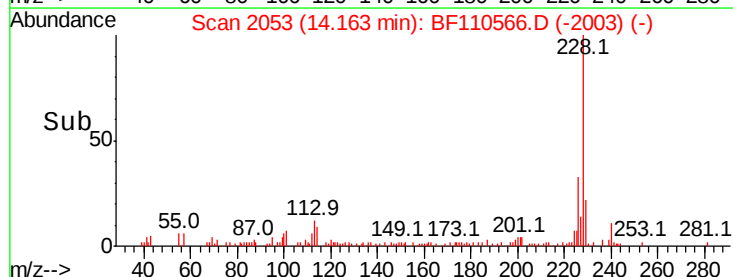
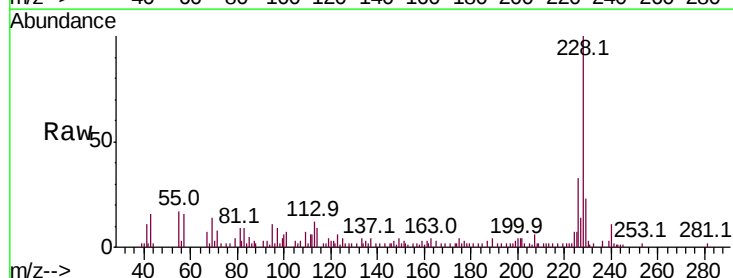
Tgt Ion:228 Resp: 25198

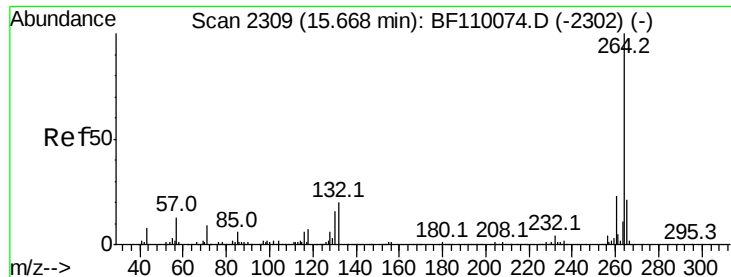
Ion Ratio Lower Upper

228 100

226 32.7 24.7 37.1

229 23.5 15.9 23.9



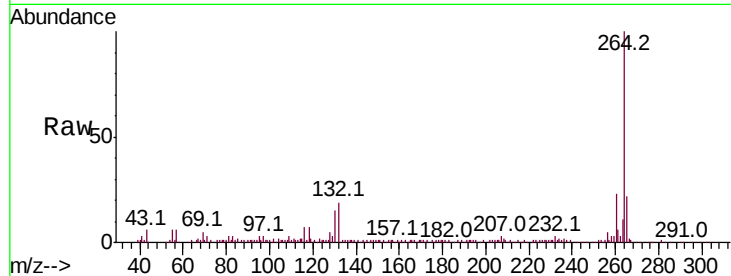


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2308
Delta R.T. 0.01 min
Lab File: BF110566.D
Acq: 7 Nov 2018 20:08

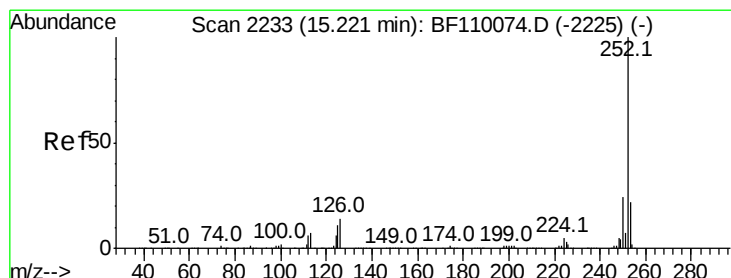
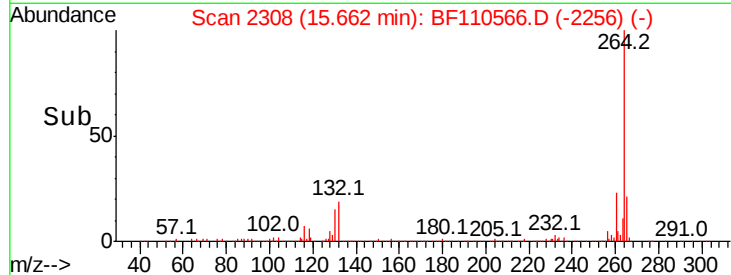
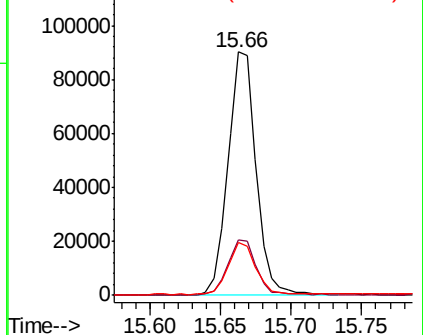
Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 125604

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.7	28.1
265	21.7	16.7	25.1



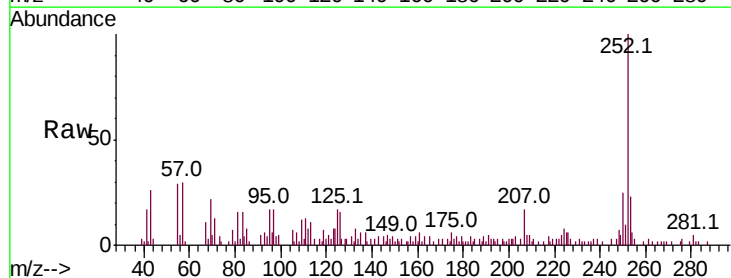
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



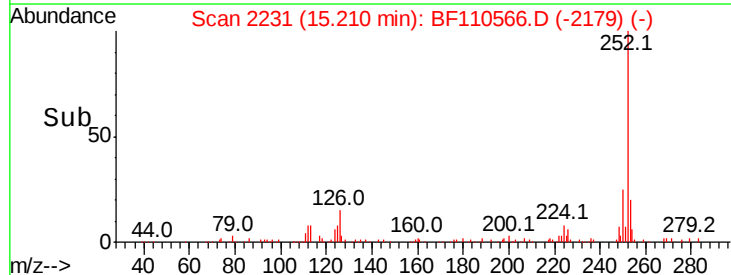
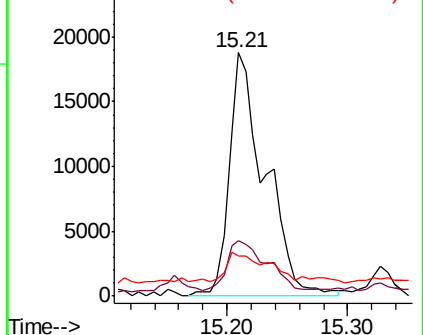
#88
Benzo(b)fluoranthene
Concen: 5.336 ng
RT: 15.21 min Scan# 2231
Delta R.T. 0.01 min
Lab File: BF110566.D
Acq: 7 Nov 2018 20:08

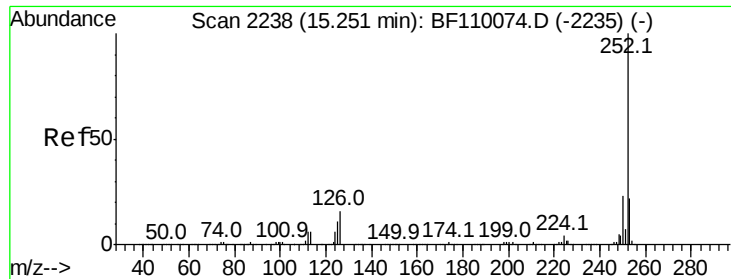
Tgt Ion:252 Resp: 38703

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	16.7	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

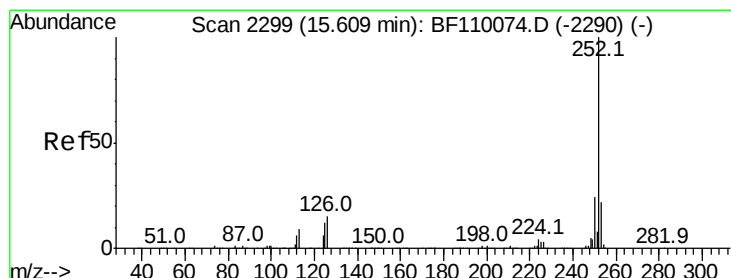
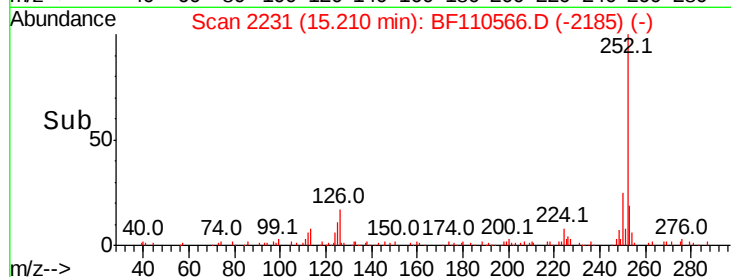
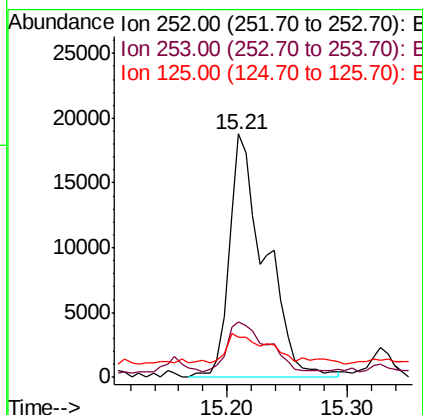
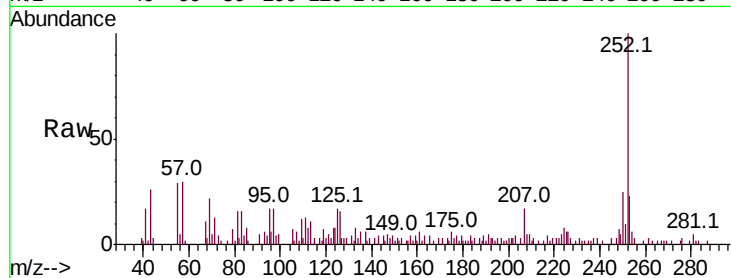




#89
Benzo(k)fluoranthene
Concen: 5.428 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.03 min
Lab File: BF110566.D
Acq: 7 Nov 2018 20:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	16.7	7.4	11.0



#90
Benzo(a)pyrene
Concen: 2.401 ng
RT: 15.60 min Scan# 2297
Delta R.T. 0.01 min
Lab File: BF110566.D
Acq: 7 Nov 2018 20:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.2	27.4
125	17.1	9.0	13.6

