

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF103018\
 Data File : BF110318.D
 Acq On : 30 Oct 2018 22:06
 Operator : JU/SJ
 Sample : J5711-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4

Quant Time: Oct 31 04:35:16 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 29 17:29:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	98754	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	396020	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	168113	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	245803	20.00	ng	0.00
76) Chrysene-d12	14.16	240	179149	20.00	ng	0.00
87) Perylene-d12	15.70	264	120401	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	602810	99.40	ng	0.00
7) Phenol-d6	6.60	99	759727	97.94	ng	0.00
23) Nitrobenzene-d5	7.53	82	460213	68.93	ng	0.00
42) 2,4,6-Tribromophenol	10.81	330	132174	79.37	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	741202	69.23	ng	0.00
79) Terphenyl-d14	13.09	244	457689	53.13	ng	0.00

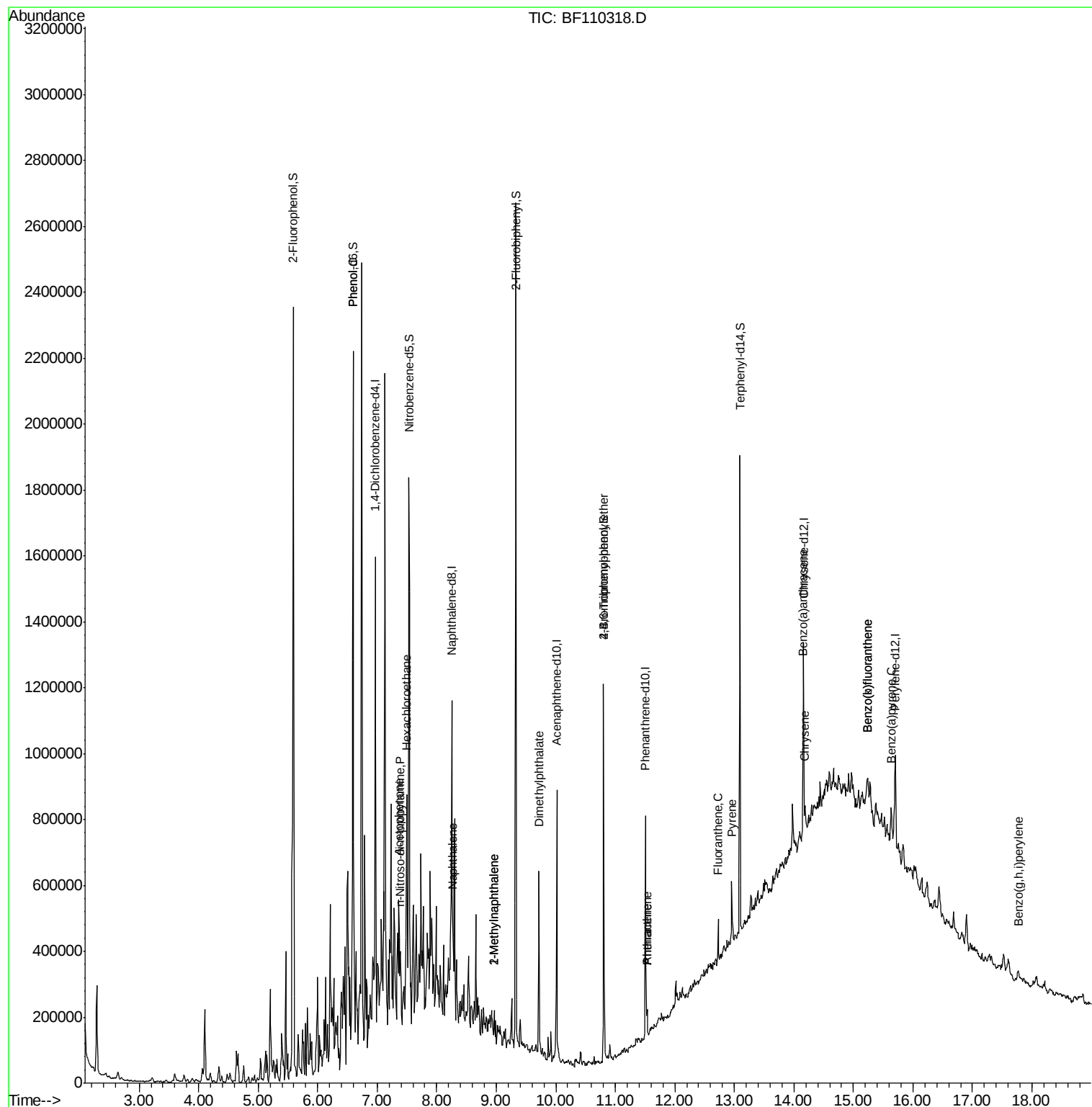
Target Compounds				Qvalue		
10) Phenol	6.60	94	35591	4.293	ng	82
18) Hexachloroethane	7.50	117	22948	8.055	ng	# 1
19) n-Nitroso-di-n-propylamine	7.39	70	11631	2.337	ng	# 66
22) Acetophenone	7.36	105	29751	3.260	ng	# 60
31) Naphthalene	8.27	128	53231	2.916	ng	97
37) 2-Methylnaphthalene	8.97	142	25313	2.096	ng	95
38) 1-Methylnaphthalene	8.97	142	25313	2.169	ng	91
50) Dimethylphthalate	9.72	163	142215	11.460	ng	# 98
67) 4-Bromophenyl-phenylether	10.80	248	8433	3.163	ng	# 1
71) Phenanthrene	11.53	178	30025	2.334	ng	97
72) Anthracene	11.53	178	30025	2.329	ng	97
75) Fluoranthene	12.73	202	49227	3.771	ng	97
77) Benzidine	12.86	184	369	Below Cal	#	1
78) Pyrene	12.96	202	77164	6.008	ng	97
81) Benzo(a)anthracene	14.15	228	37124	3.494	ng	# 85
83) Chrysene	14.19	228	34877	3.456	ng	# 91
88) Benzo(b)fluoranthene	15.24	252	46333	6.664	ng	# 34
89) Benzo(k)fluoranthene	15.24	252	46333	6.779	ng	# 32
90) Benzo(a)pyrene	15.64	252	30358	4.745	ng	# 73
92) Benzo(g,h,i)perylene	17.76	276	15178	2.790	ng	# 76

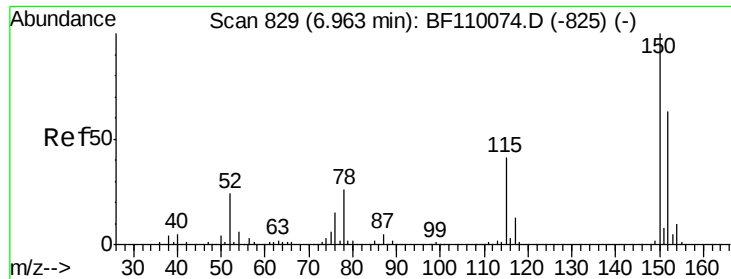
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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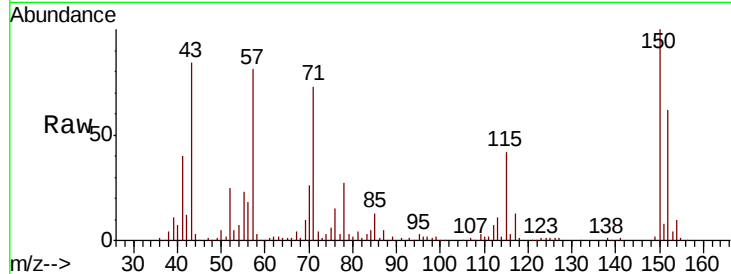


#1

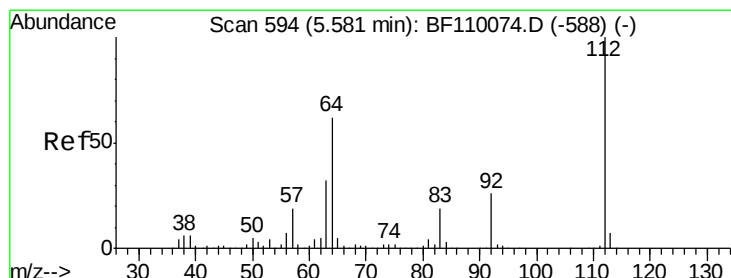
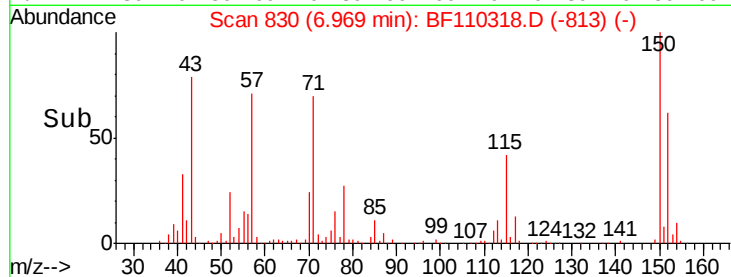
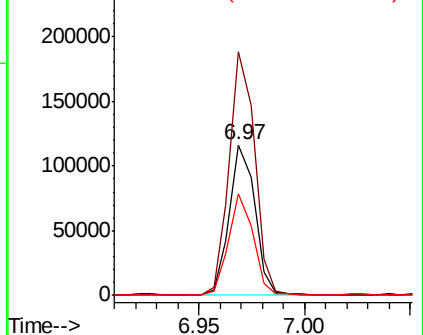
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

Instrument :
BNA_F
ClientSampled :
SB-4

Tgt Ion:152 Resp: 98754
Ion Ratio Lower Upper
152 100
150 161.5 122.7 184.1
115 67.4 49.1 73.7



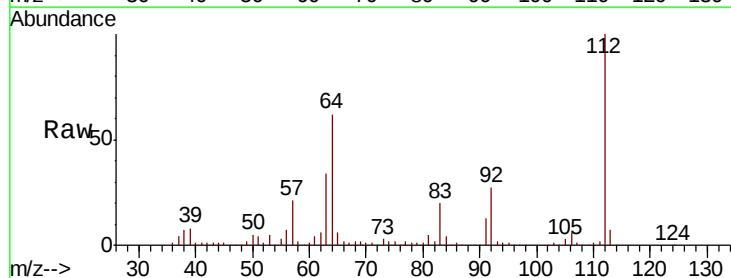
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



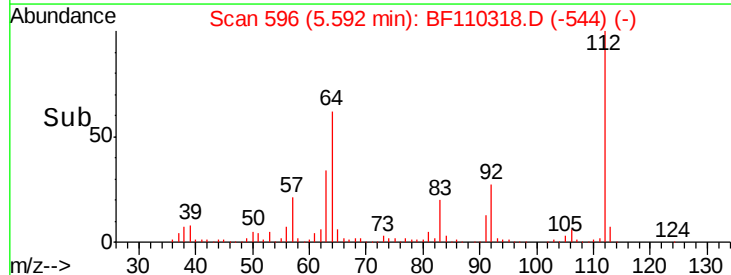
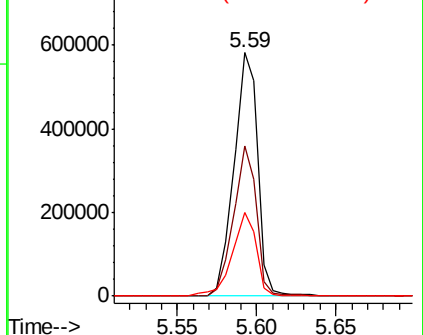
#5

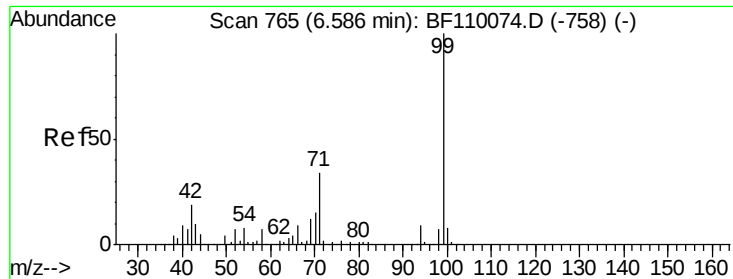
2-Fluorophenol
Concen: 99.403 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

Tgt Ion:112 Resp: 602810
Ion Ratio Lower Upper
112 100
64 61.6 44.1 66.1
63 34.2 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: 97.945 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF110318.D

Acq: 30 Oct 2018 22:06

Instrument :

BNA_F

ClientSampleId :

SB-4

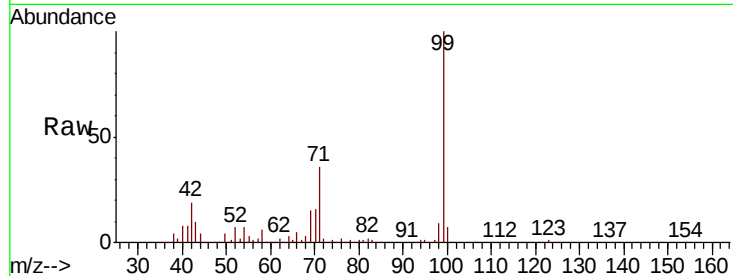
Tgt Ion: 99 Resp: 759727

Ion Ratio Lower Upper

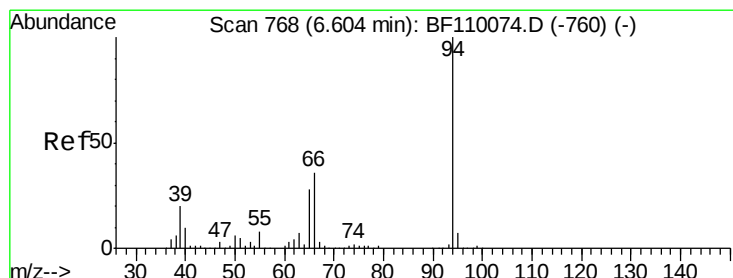
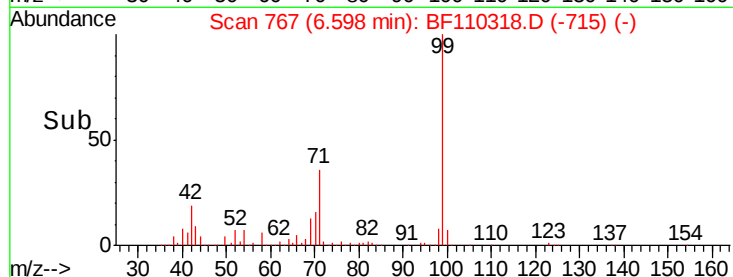
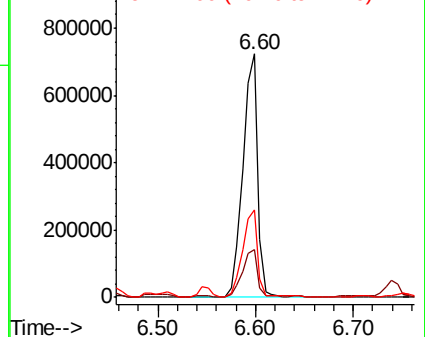
99 100

42 19.5 15.8 23.6

71 36.0 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: 4.293 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.00 min

Lab File: BF110318.D

Acq: 30 Oct 2018 22:06

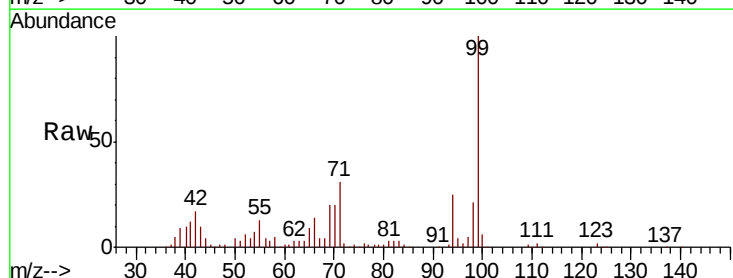
Tgt Ion: 94 Resp: 35591

Ion Ratio Lower Upper

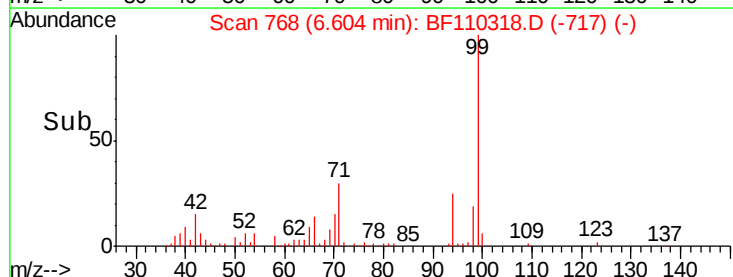
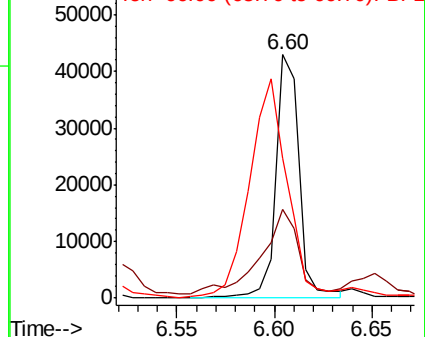
94 100

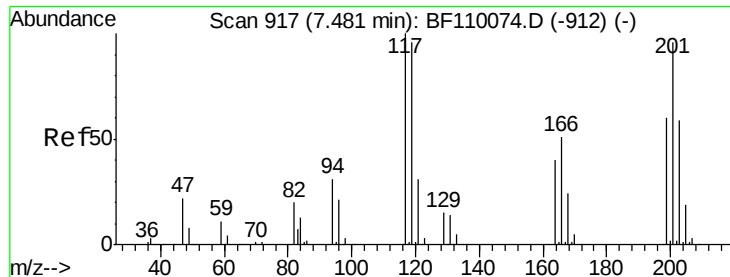
65 36.3 25.3 65.3

66 57.5 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

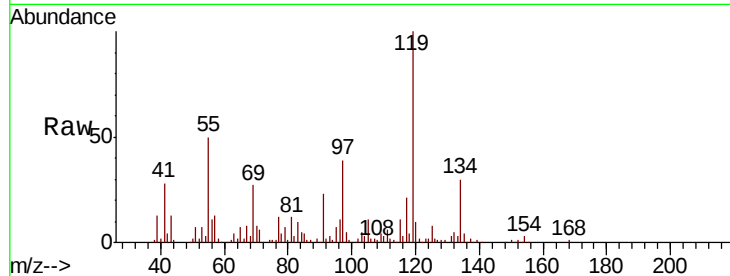




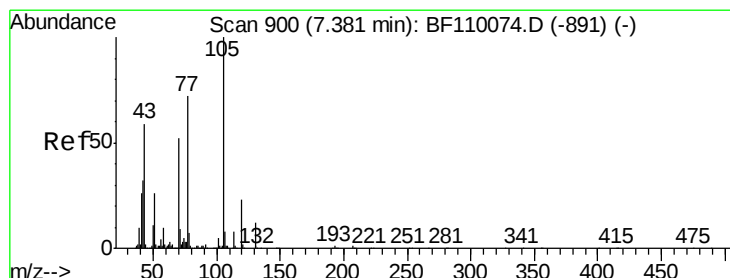
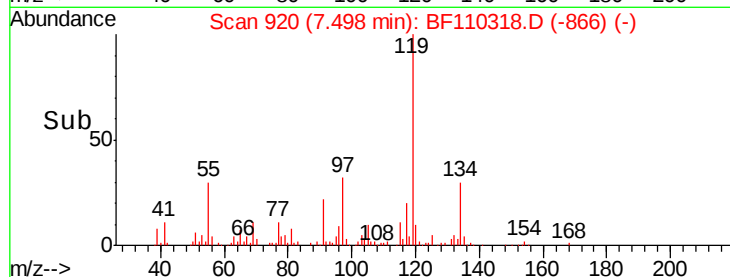
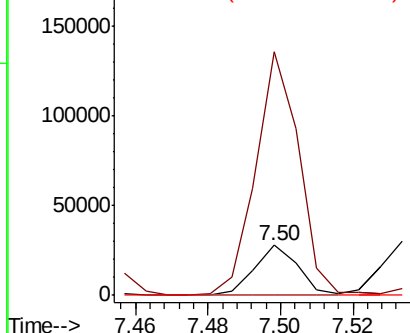
#18
Hexachloroethane
Concen: 8.055 ng
RT: 7.50 min Scan# 920
Delta R.T. 0.02 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

Instrument :
BNA_F
ClientSampled :
SB-4

Tgt Ion: 117 Resp: 22948
Ion Ratio Lower Upper
117 100
119 487.2 75.0 112.6#
201 0.0 79.2 118.8#

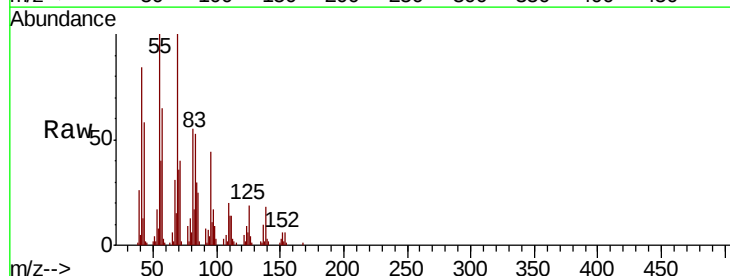


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

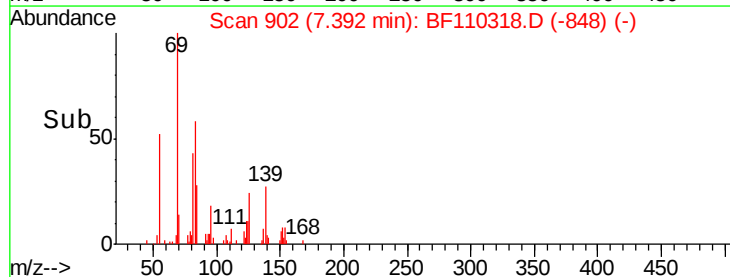
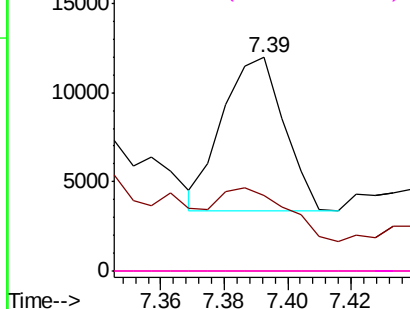


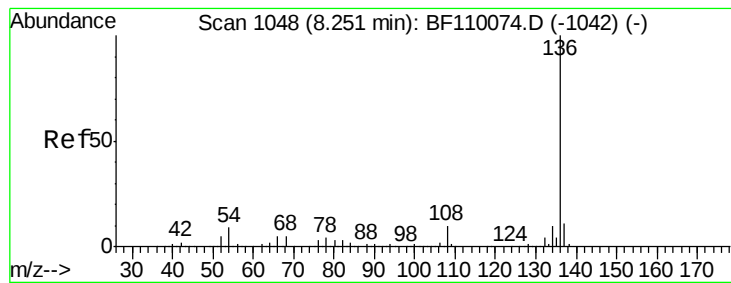
#19
n-Nitroso-di-n-propylamine
Concen: 2.337 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.02 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

Tgt Ion: 70 Resp: 11631
Ion Ratio Lower Upper
70 100
42 35.1 47.4 71.2#
101 0.0 7.3 10.9#
130 0.0 16.2 24.2#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF110318.D

Acq: 30 Oct 2018 22:06

Instrument :

BNA_F

ClientSampleId :

SB-4

Tgt Ion:136 Resp: 396020

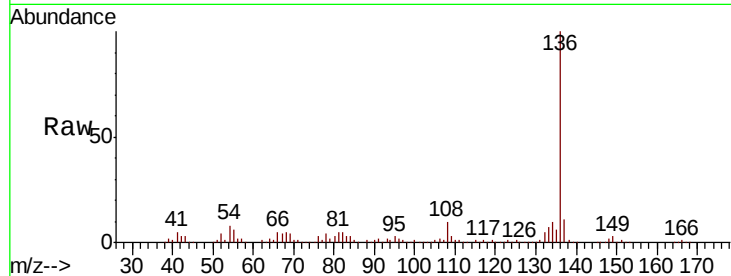
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 7.7 5.4 8.2

68 5.3 4.2 6.2

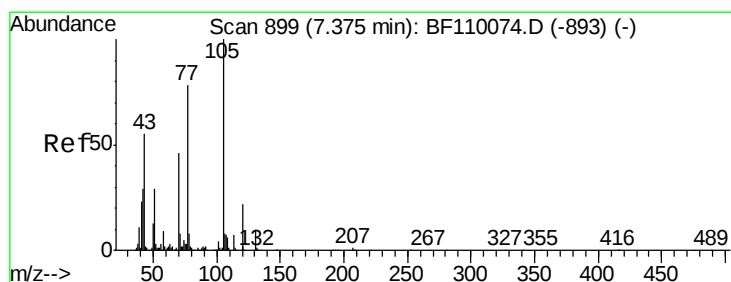
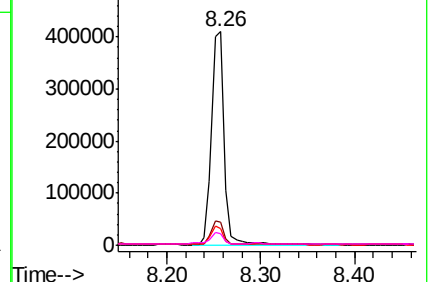
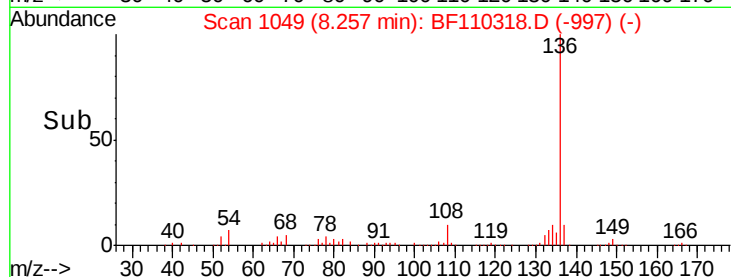


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 3.260 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.02 min

Lab File: BF110318.D

Acq: 30 Oct 2018 22:06

Tgt Ion:105 Resp: 29751

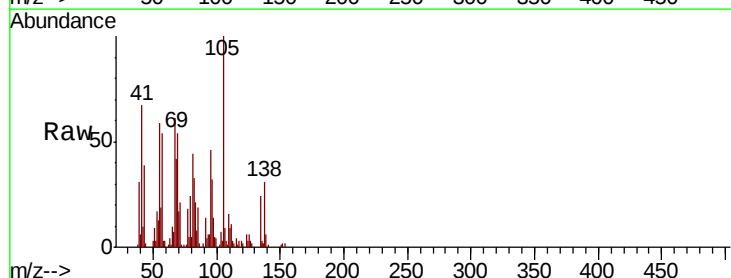
Ion Ratio Lower Upper

105 100

71 21.4 5.2 7.8#

51 8.9 21.8 32.8#

120 0.0 17.0 25.4#

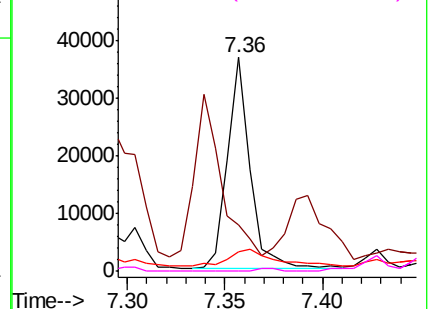
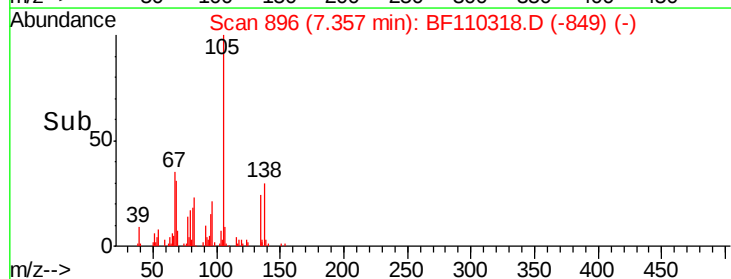


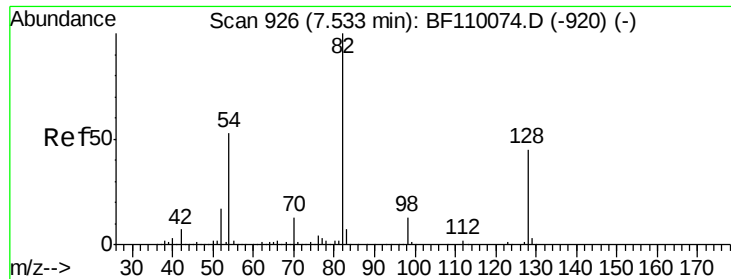
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

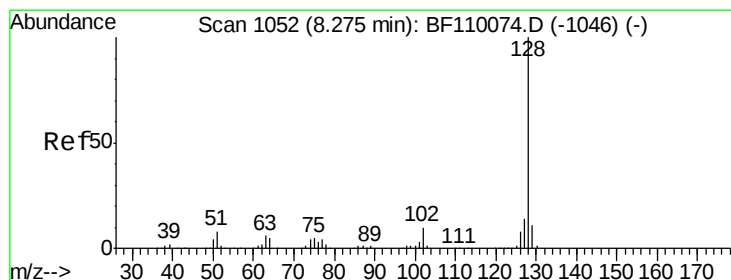
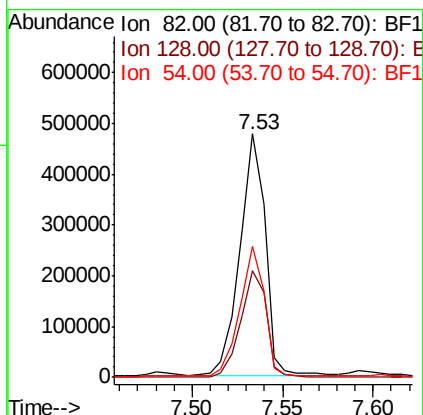
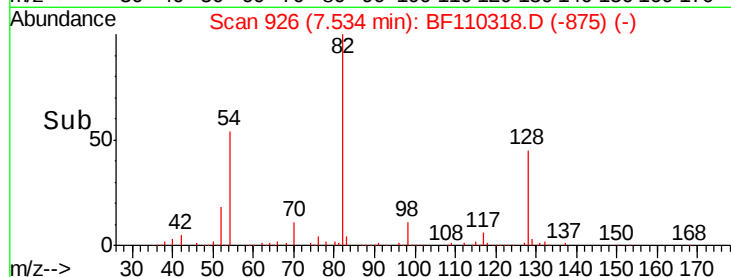
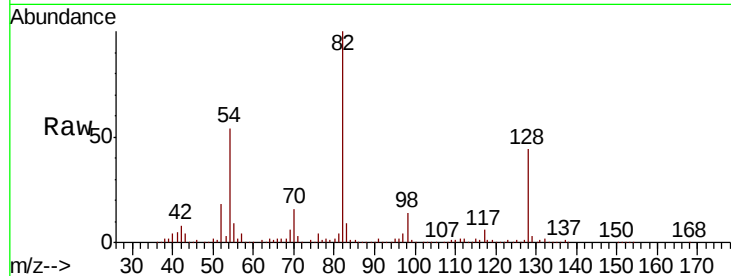




#23
 Nitrobenzene-d5
 Concen: 68.928 ng
 RT: 7.53 min Scan# 926
 Delta R.T. 0.00 min
 Lab File: BF110318.D
 Acq: 30 Oct 2018 22:06

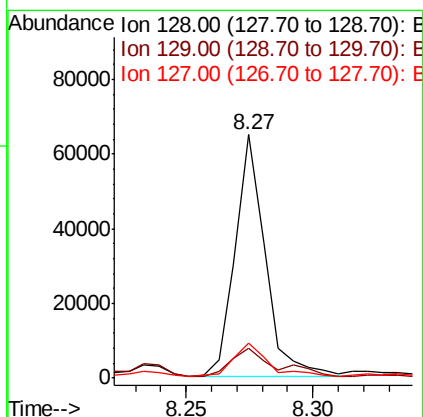
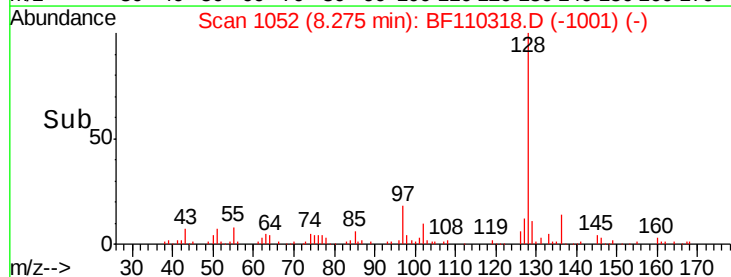
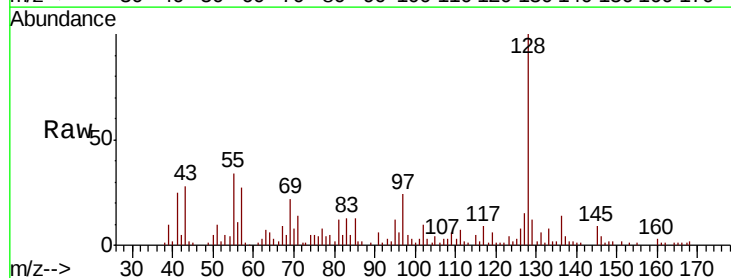
Instrument :
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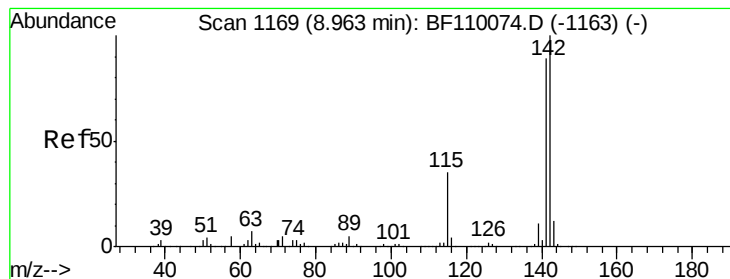
Tgt Ion: 82 Resp: 460213
 Ion Ratio Lower Upper
 82 100
 128 44.0 34.2 51.2
 54 54.0 38.6 58.0



#31
 Naphthalene
 Concen: 2.916 ng
 RT: 8.27 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: BF110318.D
 Acq: 30 Oct 2018 22:06

Tgt Ion: 128 Resp: 53231
 Ion Ratio Lower Upper
 128 100
 129 12.3 8.8 13.2
 127 14.5 10.8 16.2

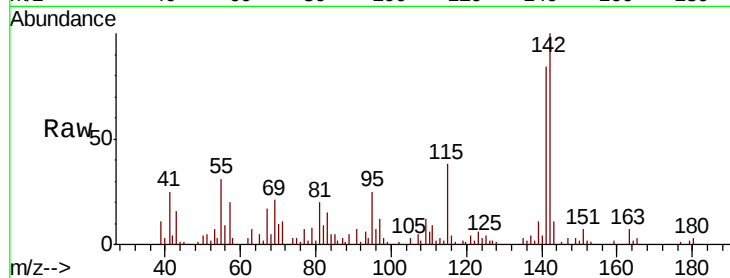




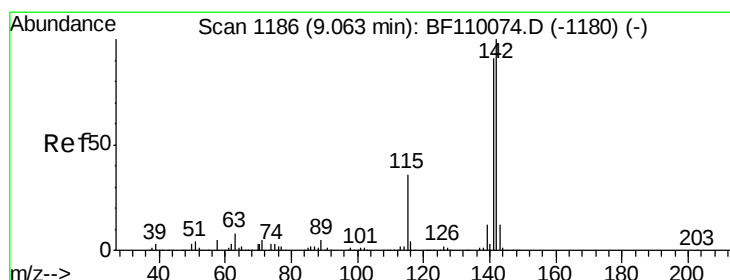
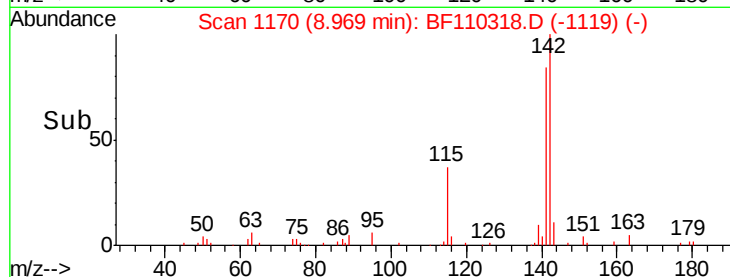
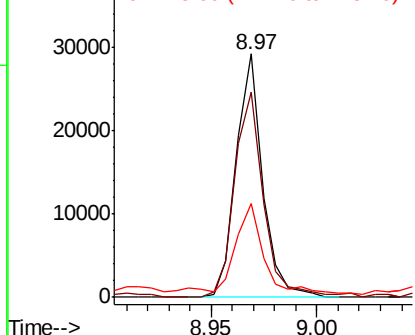
#37
 2-Methylnaphthalene
 Concen: 2.096 ng
 RT: 8.97 min Scan# 1170
 Delta R.T. 0.00 min
 Lab File: BF110318.D
 Acq: 30 Oct 2018 22:06

Instrument :
 BNA_F
 ClientSampleId :
 SB-4

Tgt Ion:142 Resp: 25313
 Ion Ratio Lower Upper
 142 100
 141 84.1 71.4 107.2
 115 38.3 28.7 43.1

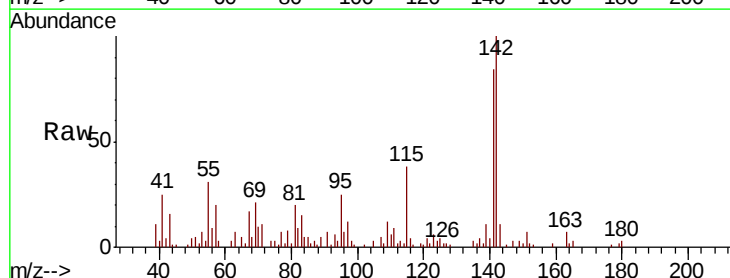


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

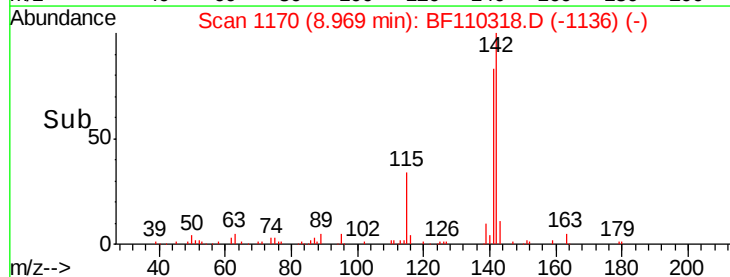
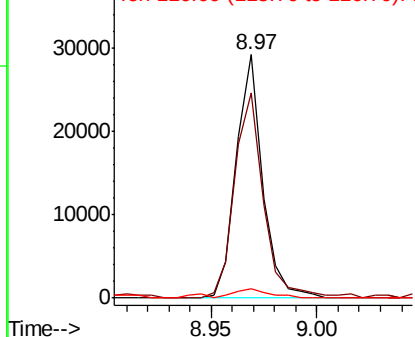


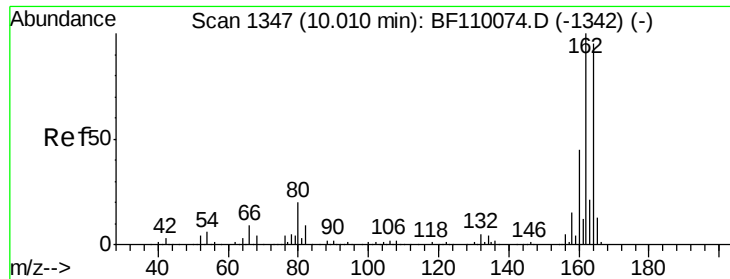
#38
 1-Methylnaphthalene
 Concen: 2.169 ng
 RT: 8.97 min Scan# 1170
 Delta R.T. -0.10 min
 Lab File: BF110318.D
 Acq: 30 Oct 2018 22:06

Tgt Ion:142 Resp: 25313
 Ion Ratio Lower Upper
 142 100
 141 84.1 74.2 111.4
 116 3.9 2.6 4.0



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

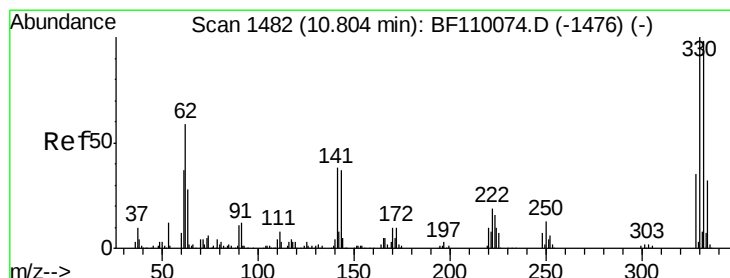
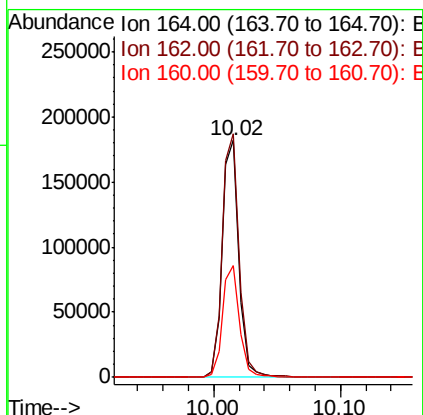
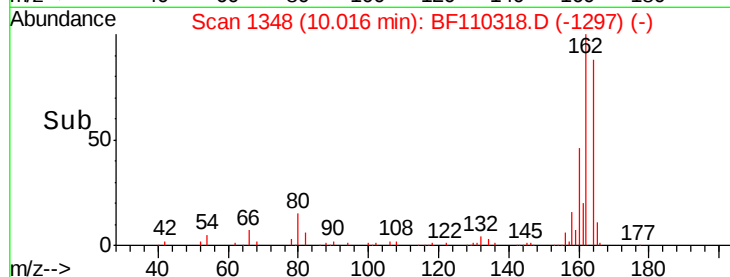
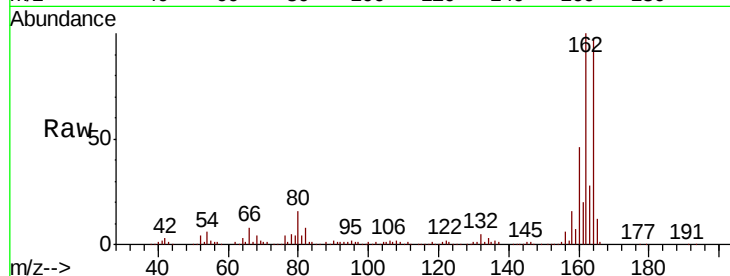




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

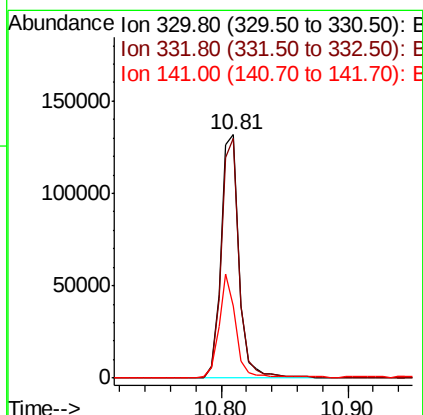
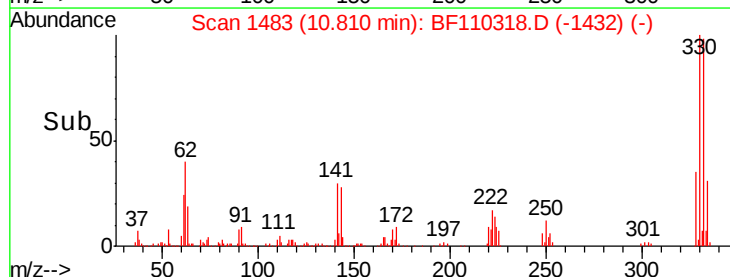
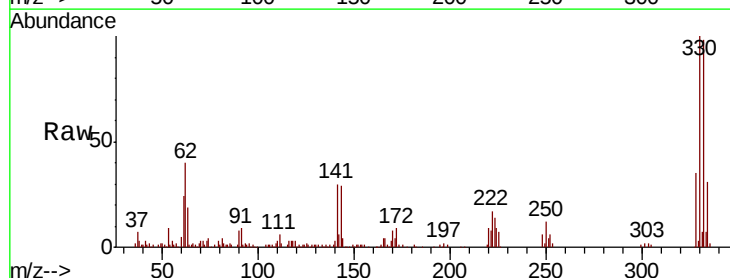
Instrument :
BNA_F
ClientSampled :
SB-4

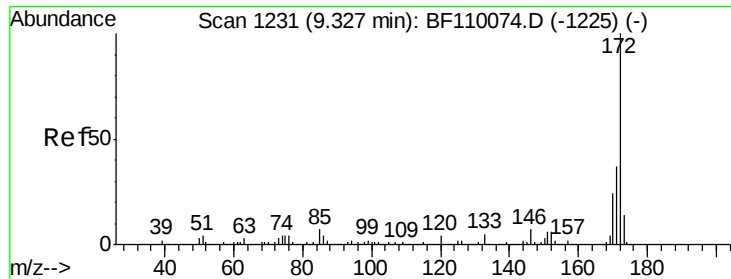
Tgt Ion:164 Resp: 168113
Ion Ratio Lower Upper
164 100
162 102.8 83.0 124.6
160 47.0 37.0 55.6



#42
2,4,6-Tribromophenol
Concen: 79.371 ng
RT: 10.81 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

Tgt Ion:330 Resp: 132174
Ion Ratio Lower Upper
330 100
332 96.8 77.1 115.7
141 41.0 27.0 40.4#

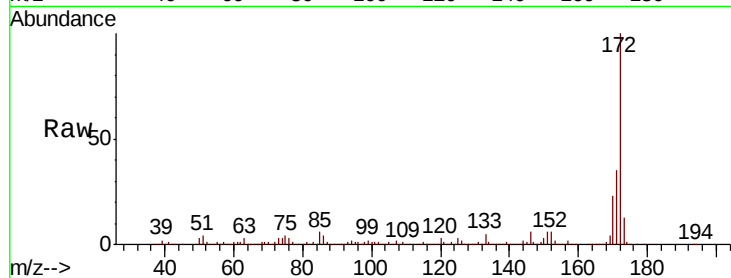




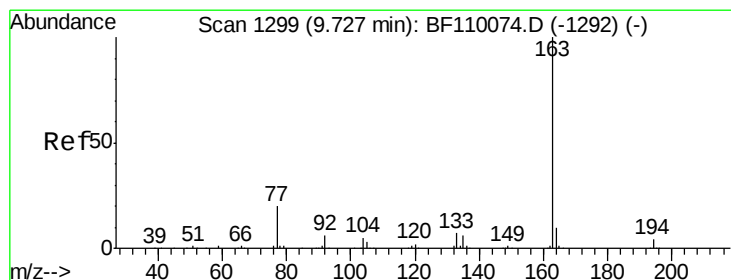
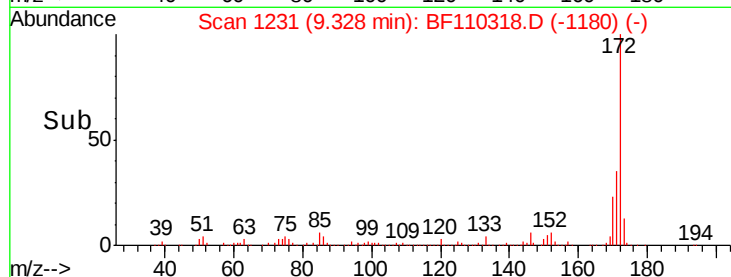
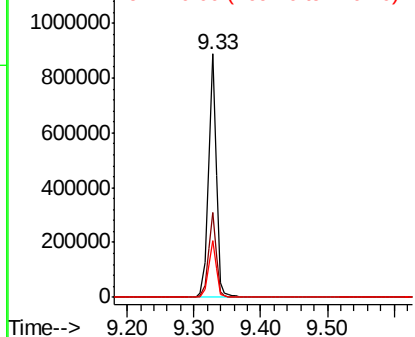
#45
2-Fluorobiphenyl
Concen: 69.232 ng
RT: 9.33 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

Instrument :
BNA_F
ClientSampleId :
SB-4

Tgt Ion:172 Resp: 741202
Ion Ratio Lower Upper
172 100
171 35.0 28.6 43.0
170 23.1 19.7 29.5

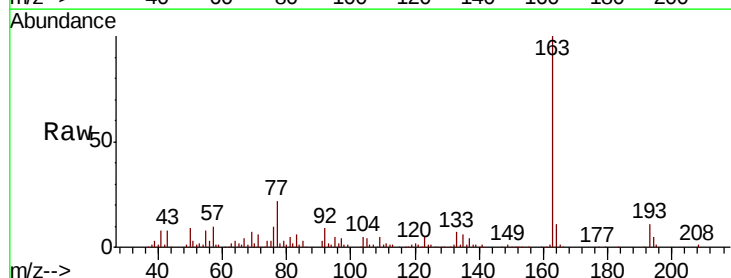


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

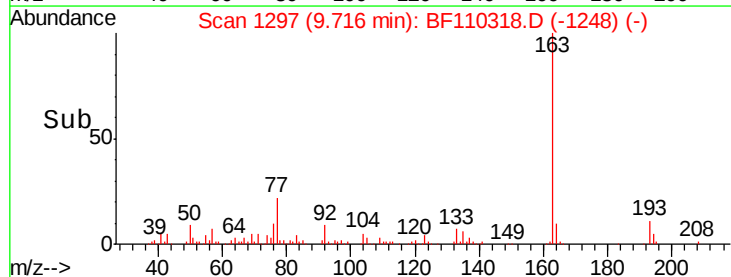
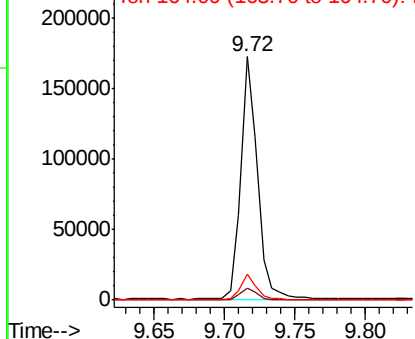


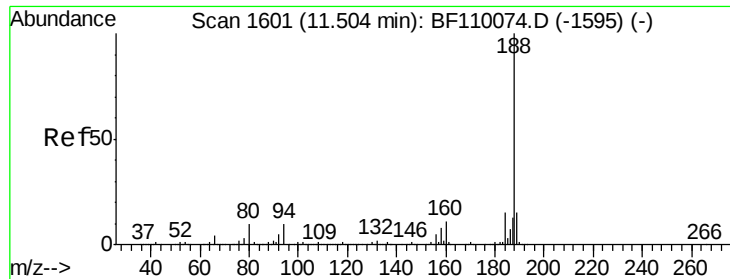
#50
Dimethylphthalate
Concen: 11.460 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

Tgt Ion:163 Resp: 142215
Ion Ratio Lower Upper
163 100
194 5.1 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

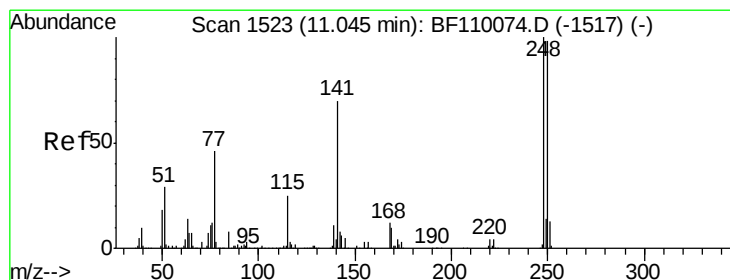
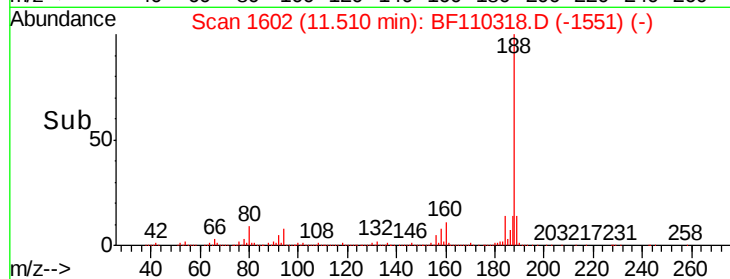
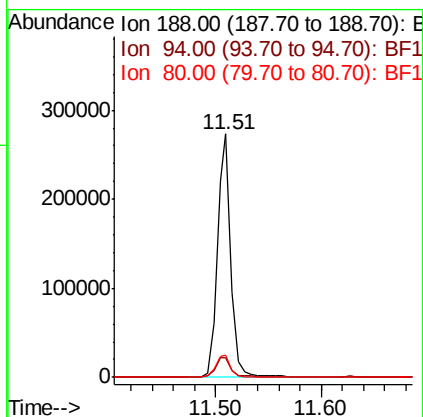
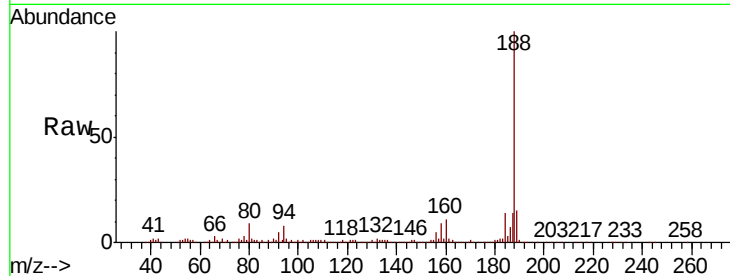




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.00 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

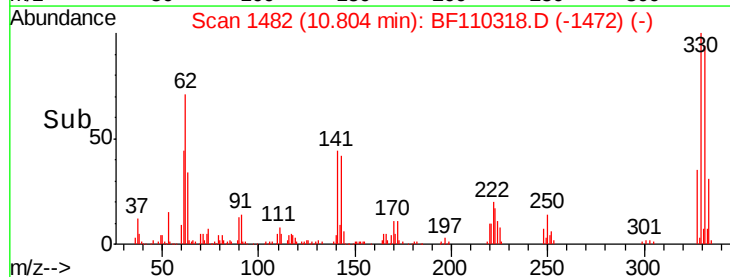
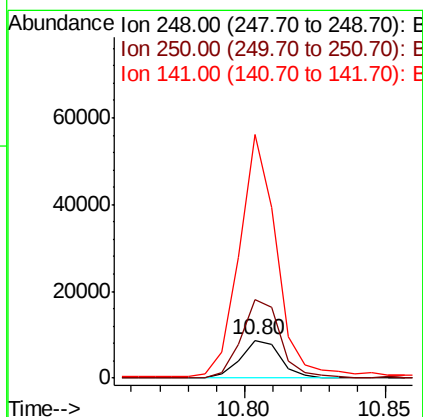
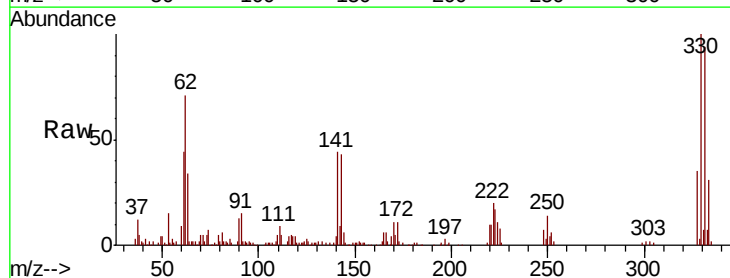
Instrument :
BNA_F
ClientSampleId :
SB-4

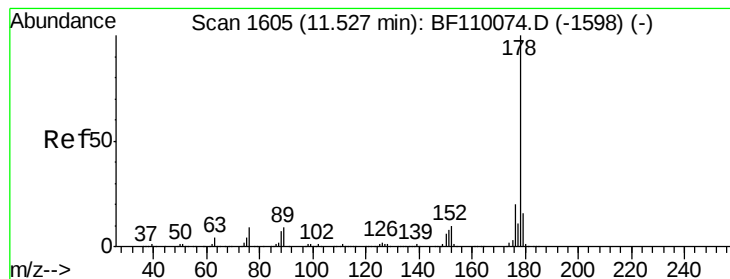
Tgt Ion:188 Resp: 245803
Ion Ratio Lower Upper
188 100
94 8.3 7.2 10.8
80 9.2 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 3.163 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.24 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

Tgt Ion:248 Resp: 8433
Ion Ratio Lower Upper
248 100
250 209.1 79.4 119.2#
141 646.4 55.9 83.9#





#71

Phenanthrene

Concen: 2.334 ng

RT: 11.53 min Scan# 1606

Delta R.T. 0.00 min

Lab File: BF110318.D

Acq: 30 Oct 2018 22:06

Instrument :

BNA_F

ClientSampleId :

SB-4

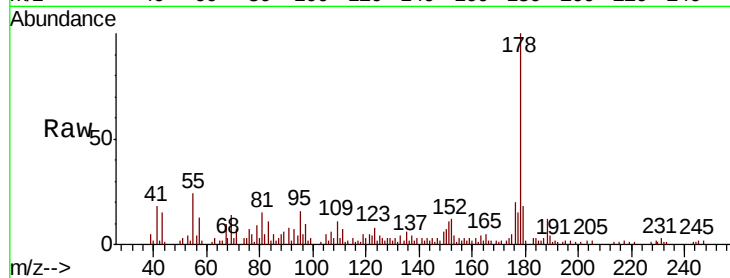
Tgt Ion:178 Resp: 30025

Ion Ratio Lower Upper

178 100

176 19.9 15.5 23.3

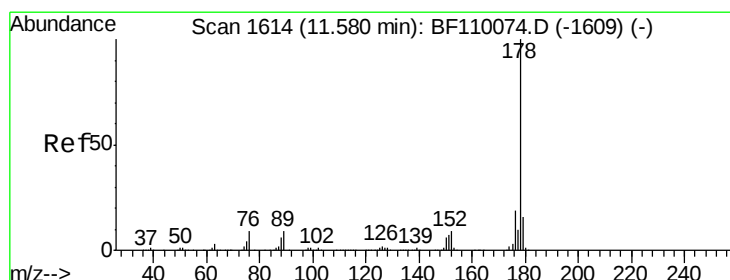
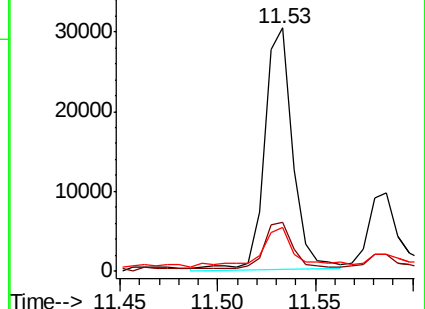
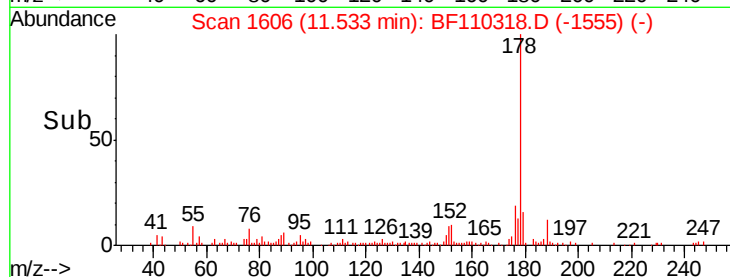
179 18.0 12.5 18.7



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: 2.329 ng

RT: 11.53 min Scan# 1606

Delta R.T. -0.05 min

Lab File: BF110318.D

Acq: 30 Oct 2018 22:06

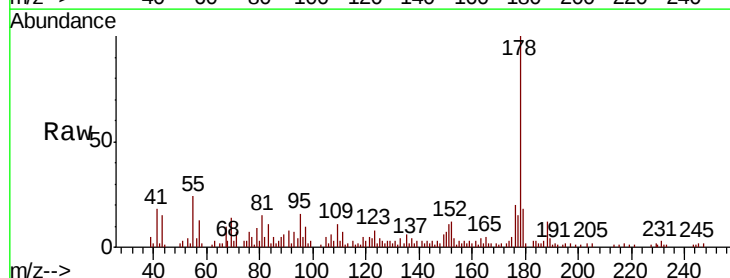
Tgt Ion:178 Resp: 30025

Ion Ratio Lower Upper

178 100

176 19.9 15.4 23.2

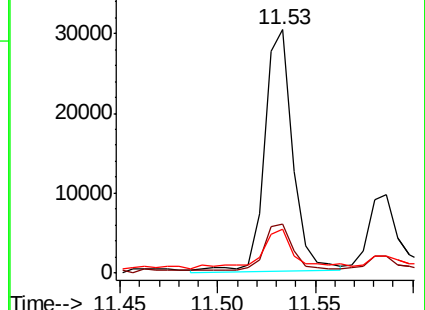
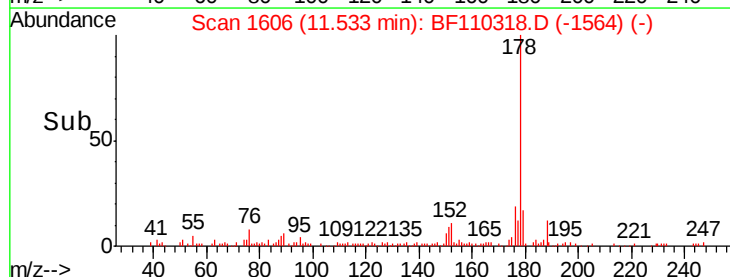
179 18.0 12.6 18.8

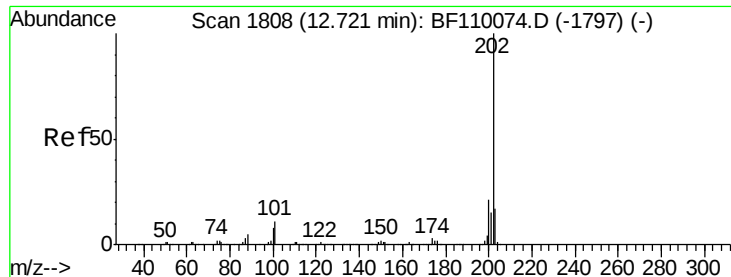


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 3.771 ng

RT: 12.73 min Scan# 1809

Delta R.T. 0.00 min

Lab File: BF110318.D

Acq: 30 Oct 2018 22:06

Instrument :

BNA_F

ClientSampleId :

SB-4

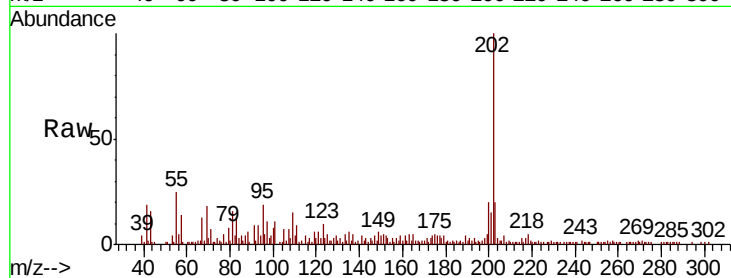
Tgt Ion:202 Resp: 49227

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.4

203 19.6 0.0 37.7

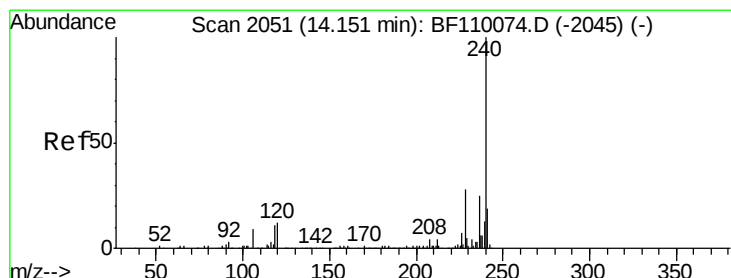
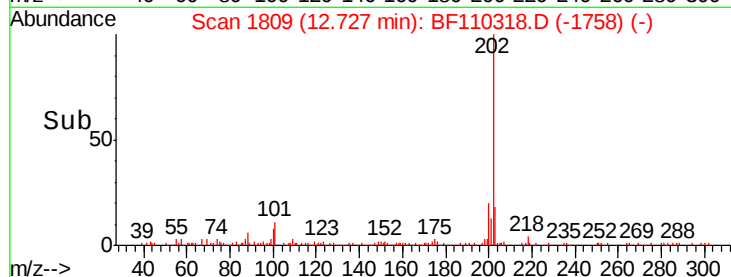
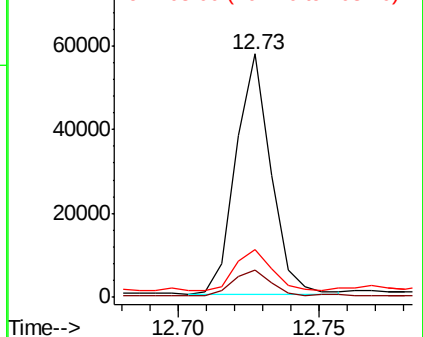


Abundance

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: 14.16 min Scan# 2053

Delta R.T. 0.01 min

Lab File: BF110318.D

Acq: 30 Oct 2018 22:06

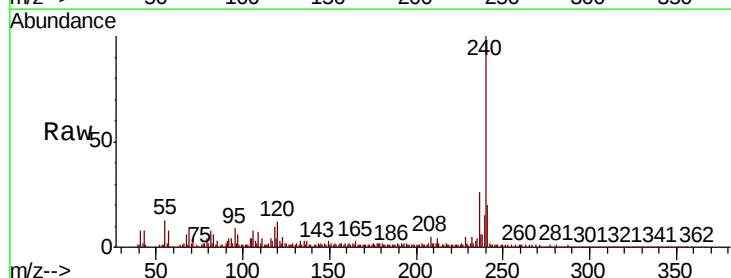
Tgt Ion:240 Resp: 179149

Ion Ratio Lower Upper

240 100

120 11.7 8.3 12.5

236 25.9 21.2 31.8

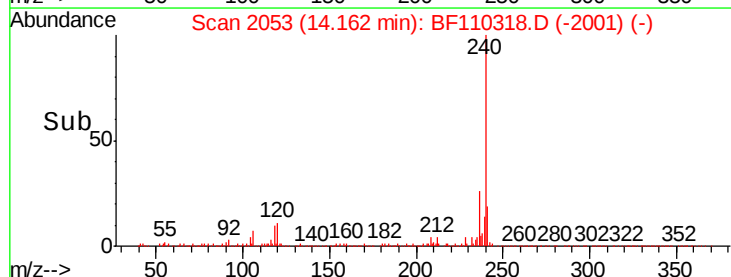
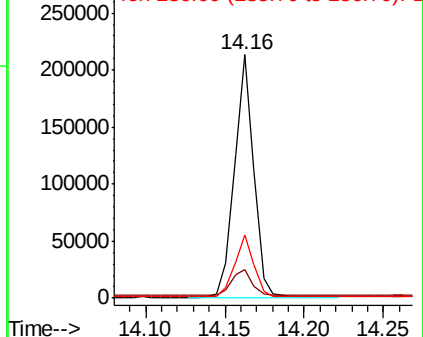


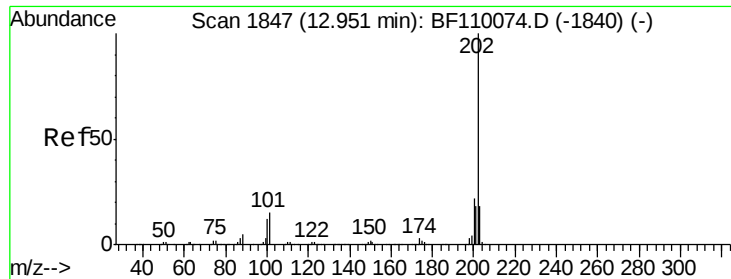
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

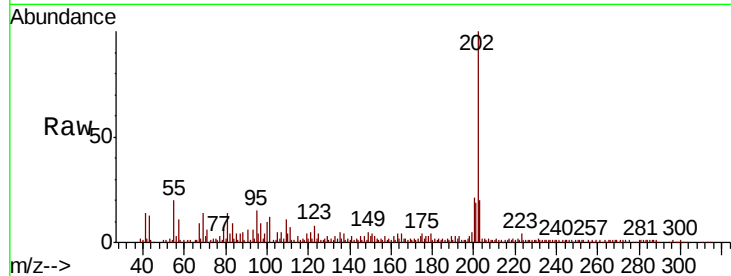




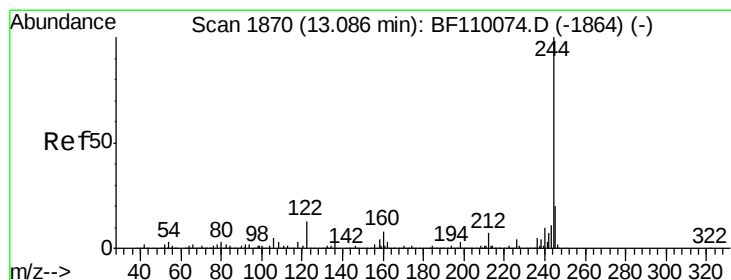
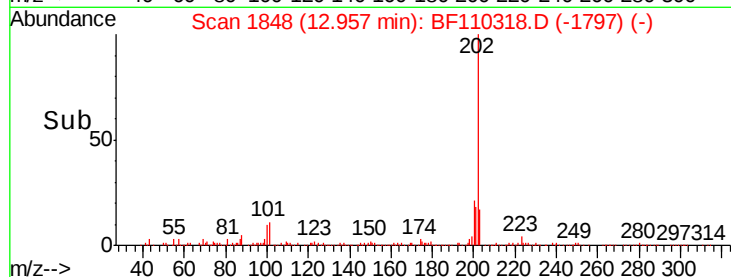
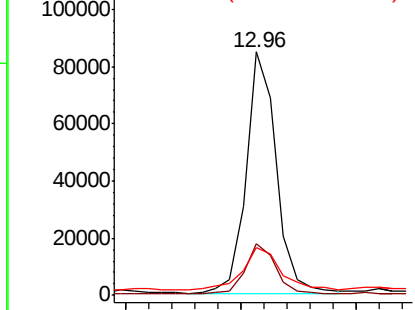
#78
 Pyrene
 Concen: 6.008 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: BF110318.D
 Acq: 30 Oct 2018 22:06

Instrument :
 BNA_F
 ClientSampled :
 SB-4

Tgt Ion:202 Resp: 77164
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.8 26.6
 203 19.8 14.2 21.4

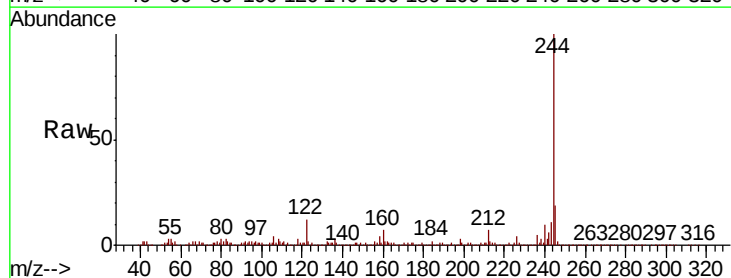


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

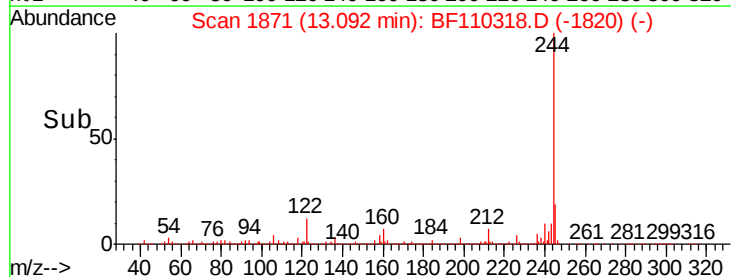
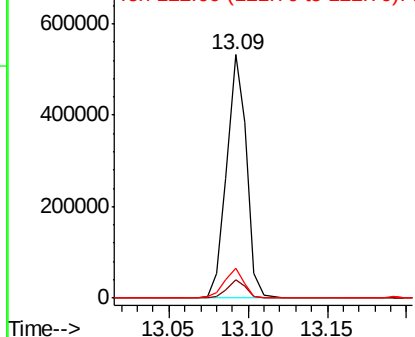


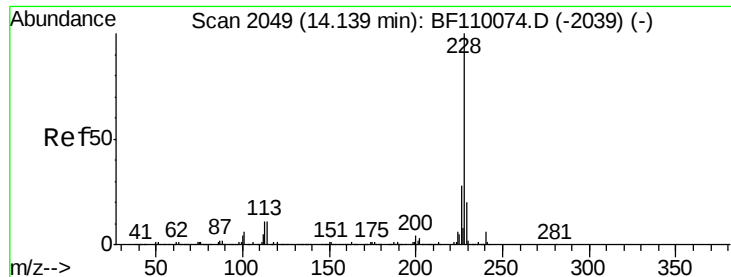
#79
 Terphenyl-d14
 Concen: 53.132 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: BF110318.D
 Acq: 30 Oct 2018 22:06

Tgt Ion:244 Resp: 457689
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.8
 122 12.4 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

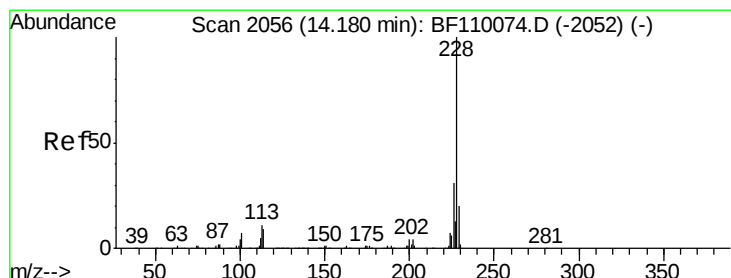
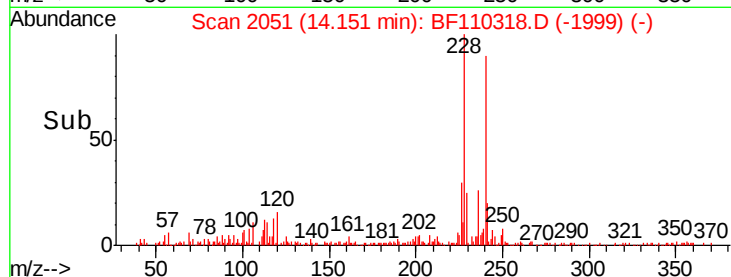
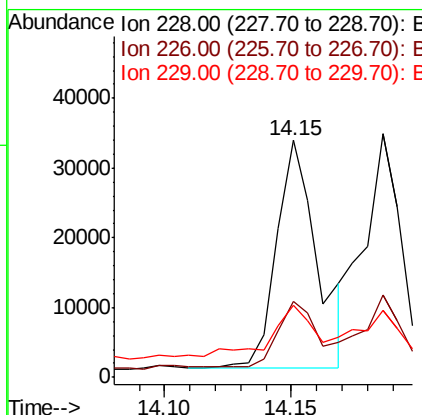
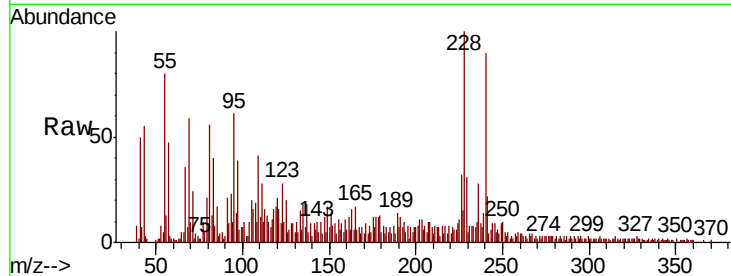




#81
Benzo(a)anthracene
Concen: 3.494 ng
RT: 14.15 min Scan# 2051
Delta R.T. 0.01 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

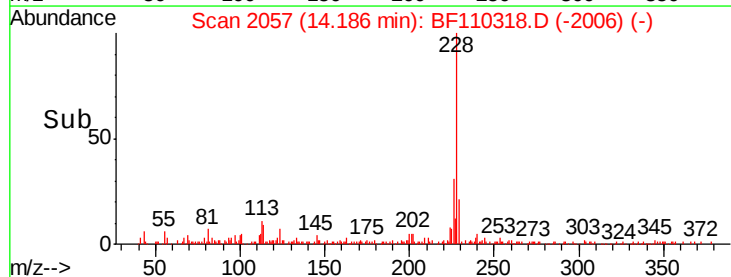
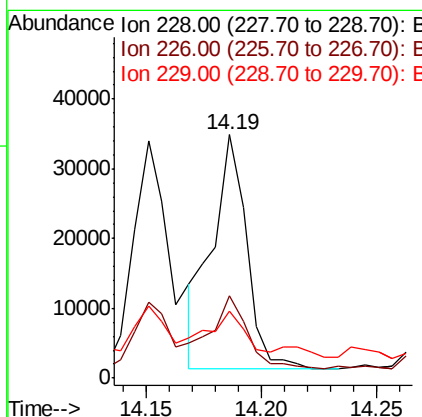
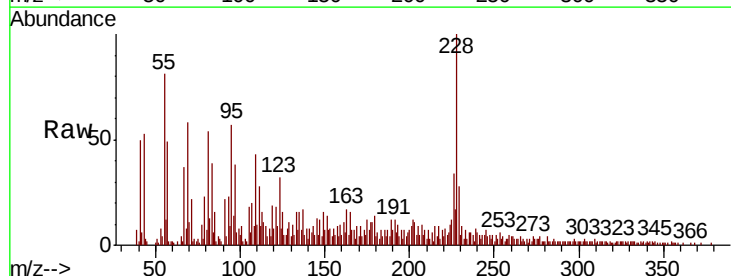
Instrument :
BNA_F
ClientSampled :
SB-4

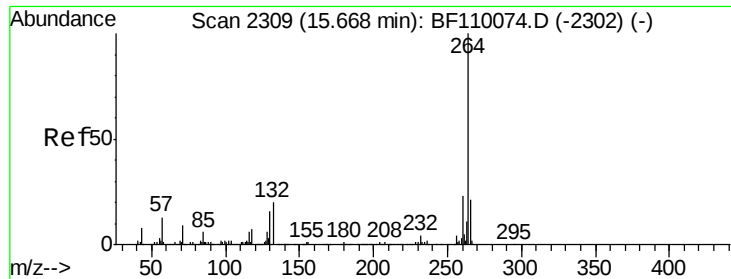
Tgt Ion:228 Resp: 37124
Ion Ratio Lower Upper
228 100
226 31.9 22.1 33.1
229 30.6 15.6 23.4#



#83
Chrysene
Concen: 3.456 ng
RT: 14.19 min Scan# 2057
Delta R.T. 0.00 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

Tgt Ion:228 Resp: 34877
Ion Ratio Lower Upper
228 100
226 33.6 24.7 37.1
229 27.5 15.9 23.9#

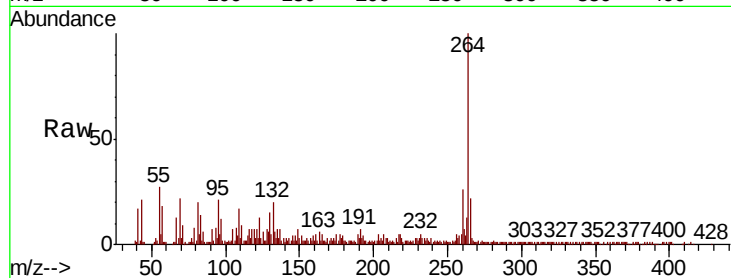




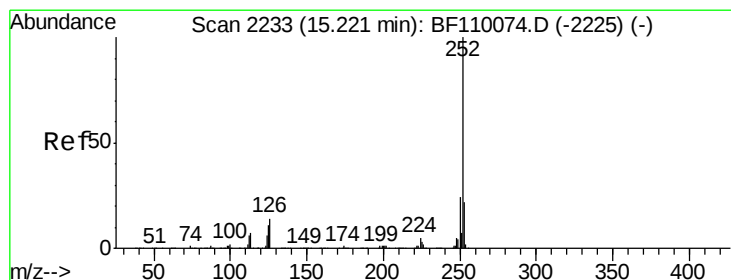
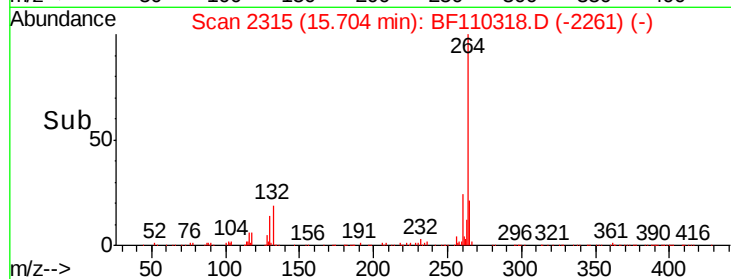
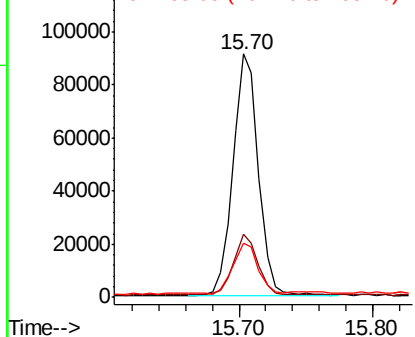
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. 0.02 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

Instrument :
BNA_F
ClientSampleId :
SB-4

Tgt Ion:264 Resp: 120401
Ion Ratio Lower Upper
264 100
260 25.8 18.7 28.1
265 22.4 16.7 25.1

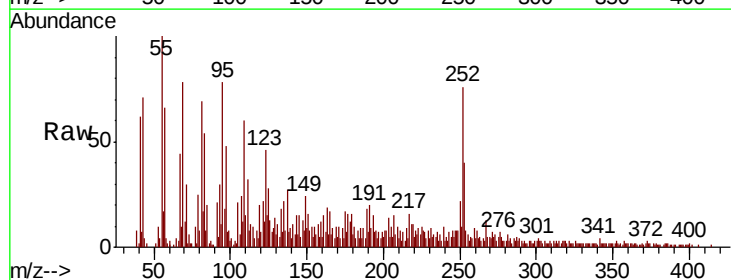


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

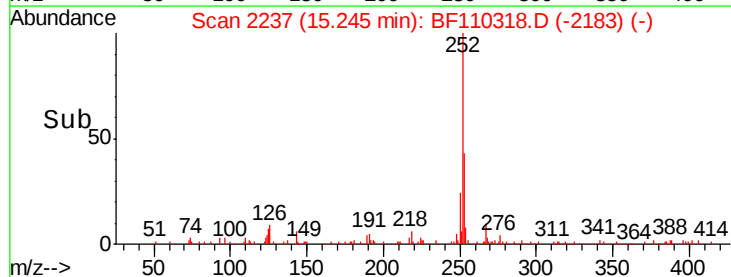
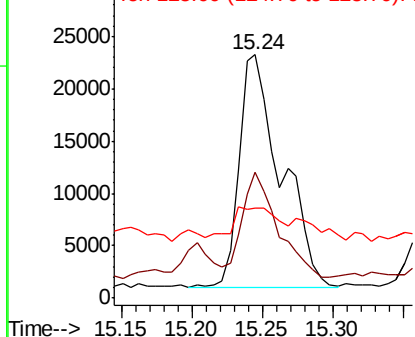


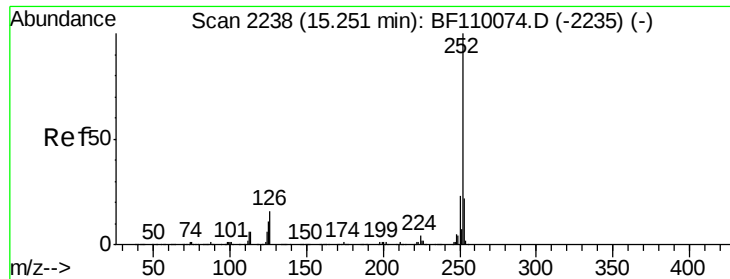
#88
Benzo(b)fluoranthene
Concen: 6.664 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.02 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

Tgt Ion:252 Resp: 46333
Ion Ratio Lower Upper
252 100
253 51.9 17.2 25.8#
125 36.7 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

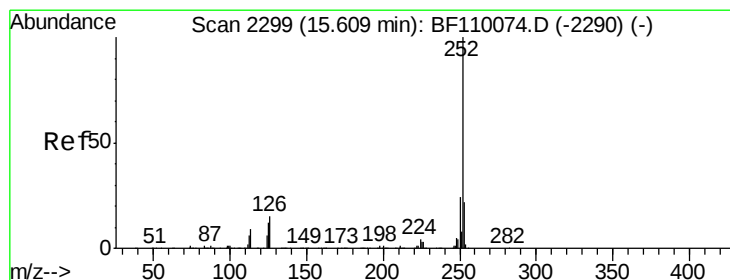
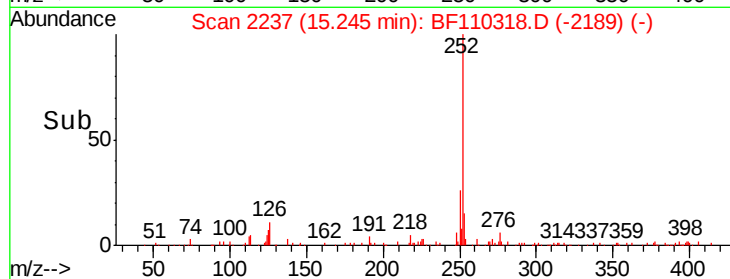
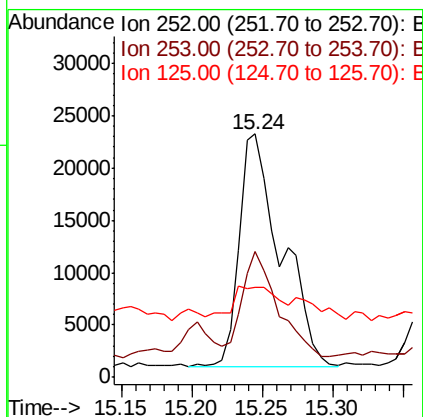
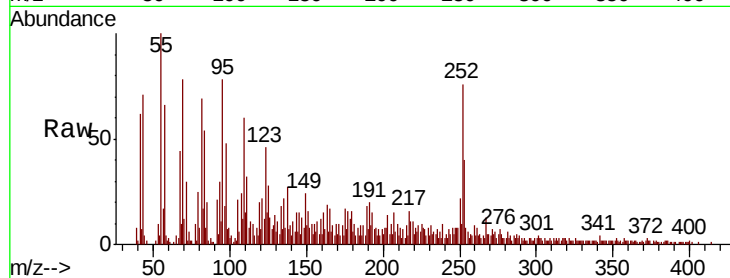




#89
Benzo(k)fluoranthene
Concen: 6.779 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.02 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

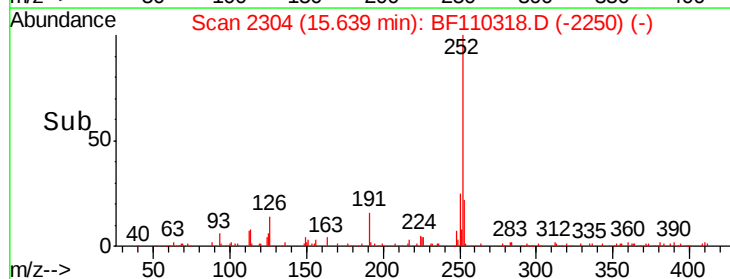
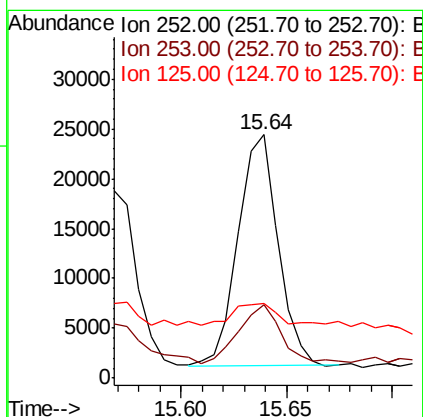
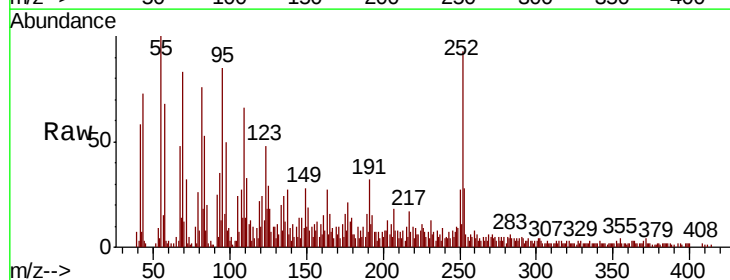
Instrument :
BNA_F
ClientSampleId :
SB-4

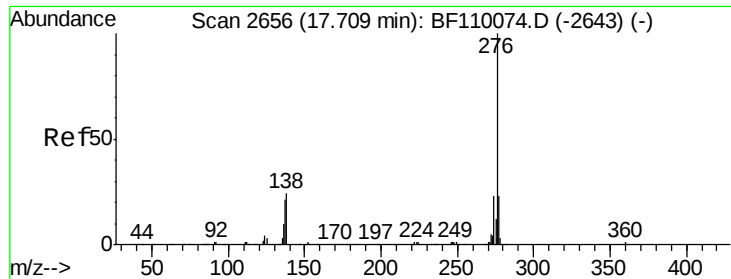
Tgt Ion	Ratio	Lower	Upper
252	100		
253	51.9	17.2	25.8#
125	36.7	7.4	11.0#



#90
Benzo(a)pyrene
Concen: 4.745 ng
RT: 15.64 min Scan# 2304
Delta R.T. 0.02 min
Lab File: BF110318.D
Acq: 30 Oct 2018 22:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.0	18.2	27.4#
125	30.7	9.0	13.6#





#92

Benzo(g,h,i)perylene

Concen: 2.790 ng

RT: 17.76 min Scan# 2665

Delta R.T. 0.02 min

Lab File: BF110318.D

Acq: 30 Oct 2018 22:06

Instrument :

BNA_F

ClientSampleId :

SB-4

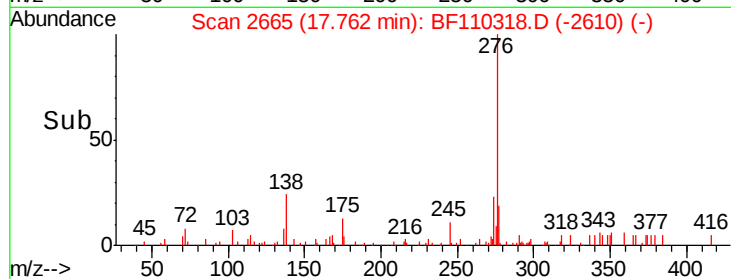
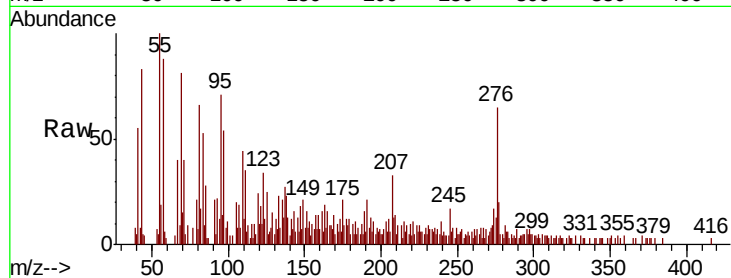
Tgt Ion:276 Resp: 15178

Ion Ratio Lower Upper

276 100

277 30.3 18.8 28.2#

138 36.0 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

