

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110118\
 Data File : BF110378.D
 Acq On : 1 Nov 2018 20:07
 Operator : JU/SJ
 Sample : J5192-05 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 02 04:12:13 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

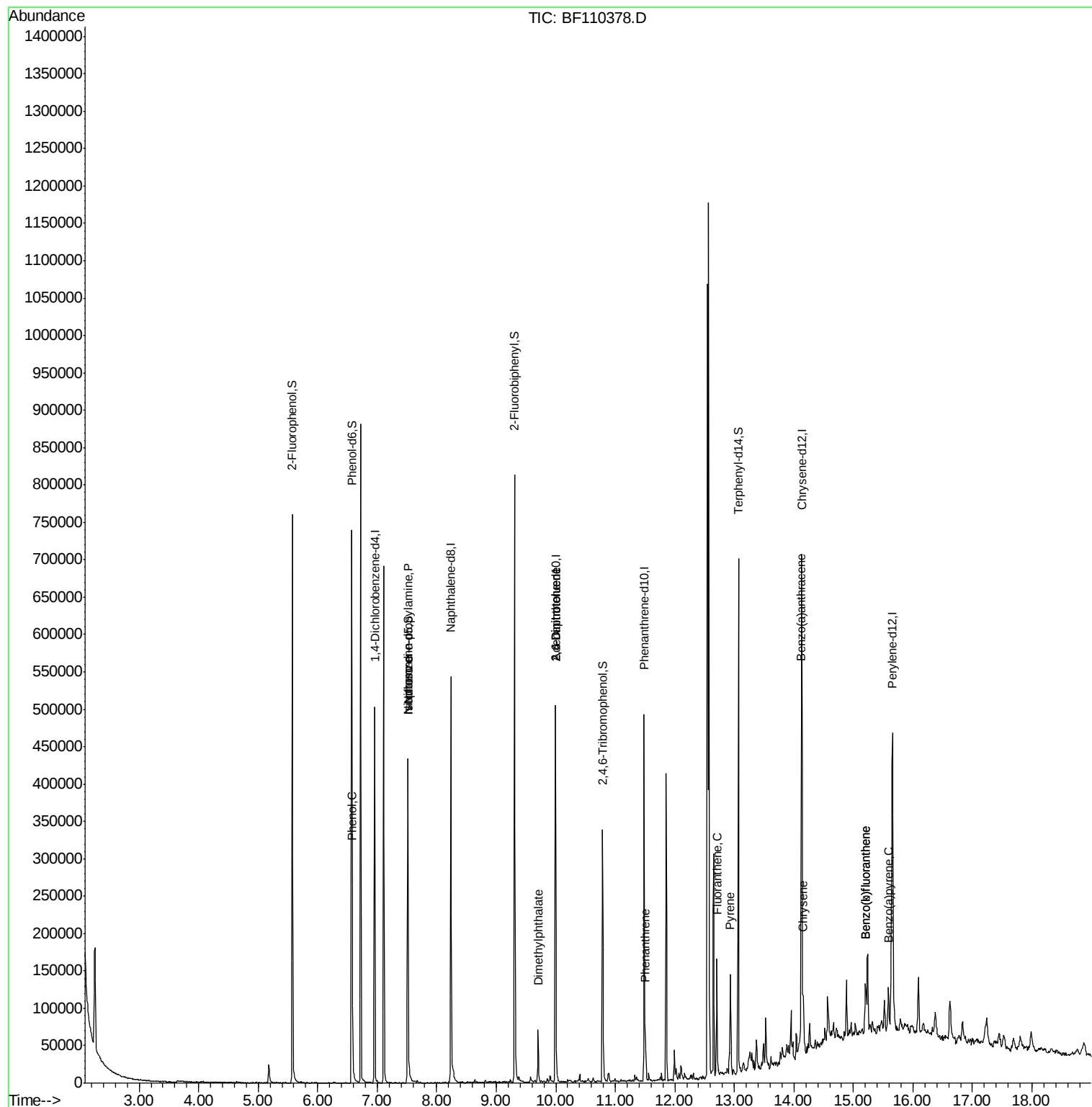
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	75497	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	281197	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	106740	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	172623	20.00	ng	0.00
76) Chrysene-d12	14.13	240	182917	20.00	ng	0.00
87) Perylene-d12	15.66	264	184749	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	207040	44.66	ng	0.00
7) Phenol-d6	6.57	99	248197	41.85	ng	0.00
23) Nitrobenzene-d5	7.52	82	151146	31.88	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	39565	37.42	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	258687	38.06	ng	0.00
79) Terphenyl-d14	13.07	244	218355	24.83	ng	0.00
Target Compounds						
10) Phenol	6.59	94	14569	2.298	ng	# 67
19) n-Nitroso-di-n-propylamine	7.52	70	19675	5.172	ng	# 79
25) Isophorone	7.52	82	151144	18.703	ng	# 67
50) Dimethylphthalate	9.70	163	31537	4.003	ng	97
51) 2,6-Dinitrotoluene	10.00	165	13333	7.856	ng	# 21
57) 2,4-Dinitrotoluene	10.00	165	13333	6.185	ng	# 17
71) Phenanthrene	11.51	178	24713	2.736	ng	98
75) Fluoranthene	12.70	202	54905	5.989	ng	99
77) Benzidine	13.07	184	2943	Below Cal		98
78) Pyrene	12.93	202	52374	3.994	ng	97
81) Benzo(a)anthracene	14.12	228	31798	2.931	ng	95
83) Chrysene	14.16	228	26674	2.589	ng	97
88) Benzo(b)fluoranthene	15.20	252	48095	4.508	ng	# 93
89) Benzo(k)fluoranthene	15.20	252	48095	4.586	ng	# 92
90) Benzo(a)pyrene	15.59	252	25775	2.626	ng	99

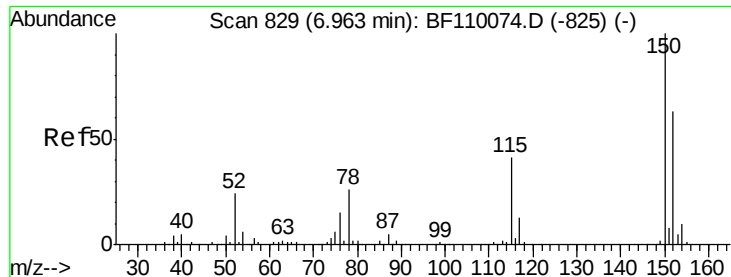
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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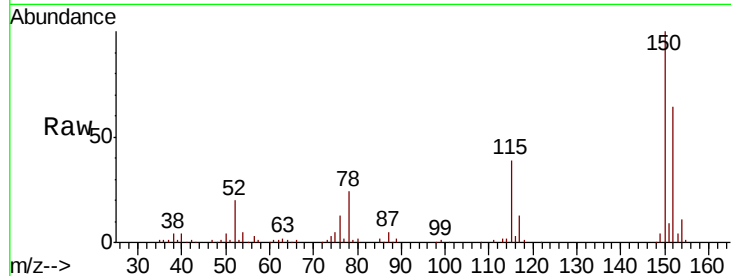


#1

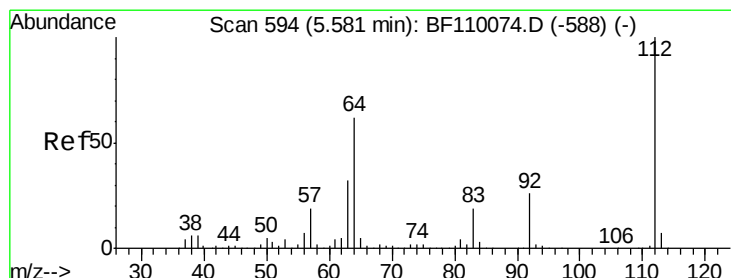
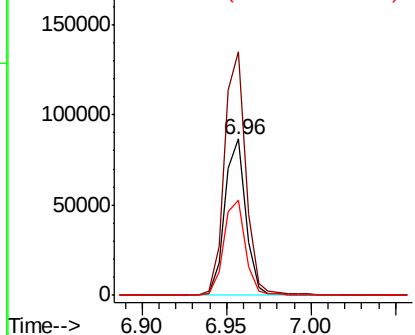
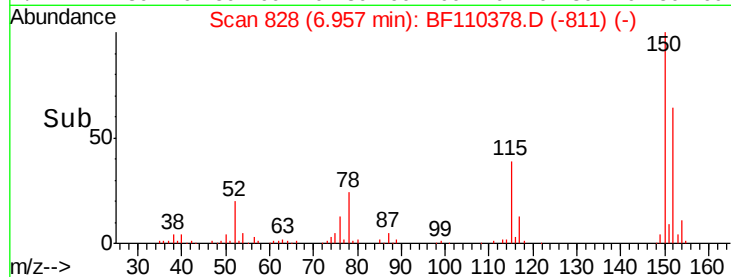
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. 0.00 min
Lab File: BF110378.D
Acq: 1 Nov 2018 20:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 75497
Ion Ratio Lower Upper
152 100
150 155.8 122.7 184.1
115 60.9 49.1 73.7



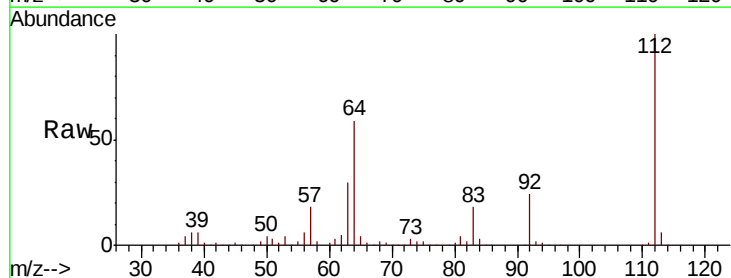
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



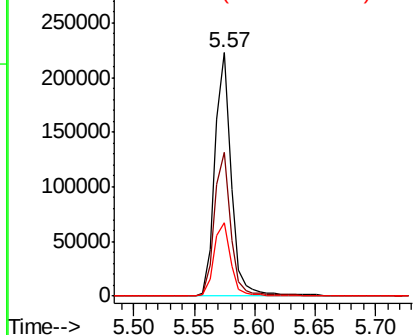
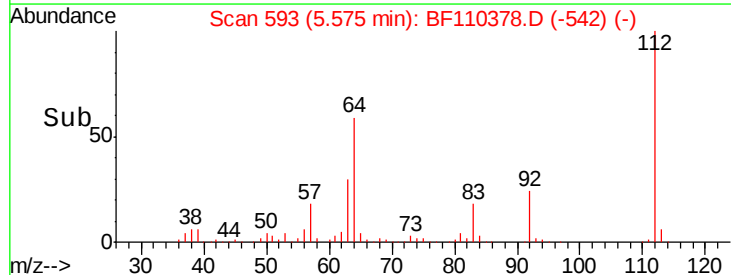
#5

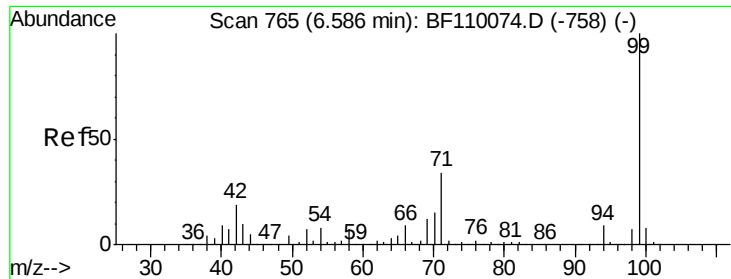
2-Fluorophenol
Concen: 44.658 ng
RT: 5.57 min Scan# 593
Delta R.T. 0.00 min
Lab File: BF110378.D
Acq: 1 Nov 2018 20:07

Tgt Ion:112 Resp: 207040
Ion Ratio Lower Upper
112 100
64 58.9 44.1 66.1
63 30.2 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: 41.855 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110378.D

Acq: 1 Nov 2018 20:07

Instrument :

BNA_F

ClientSampleId :

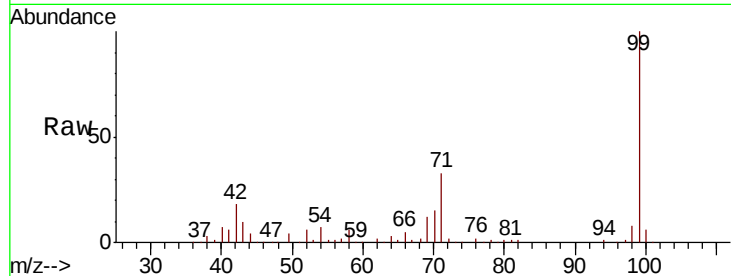
Tot Ion: 99 Resp: 248197

Ion Ratio Lower Upper

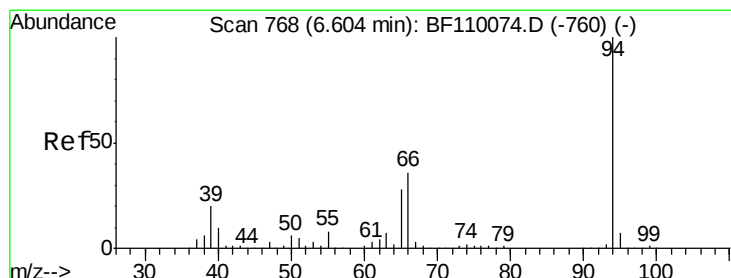
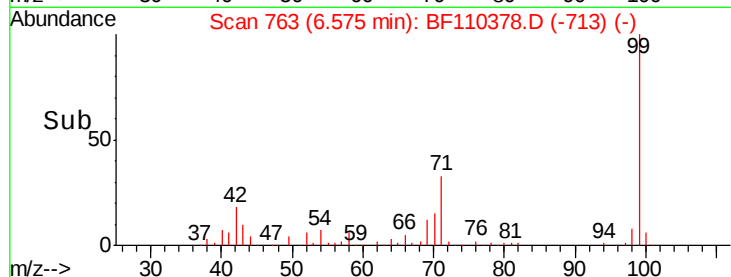
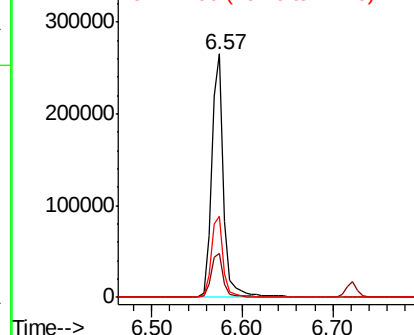
99 100

42 18.2 15.8 23.6

71 33.4 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: 2.298 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF110378.D

Acq: 1 Nov 2018 20:07

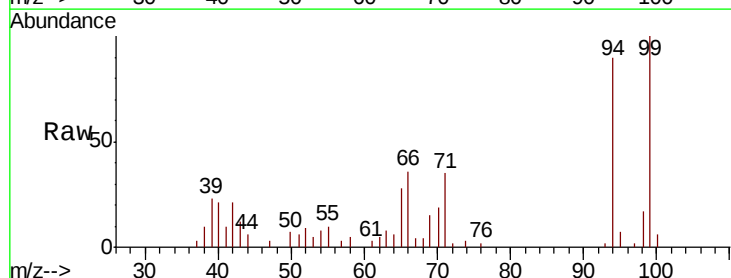
Tgt Ion: 94 Resp: 14569

Ion Ratio Lower Upper

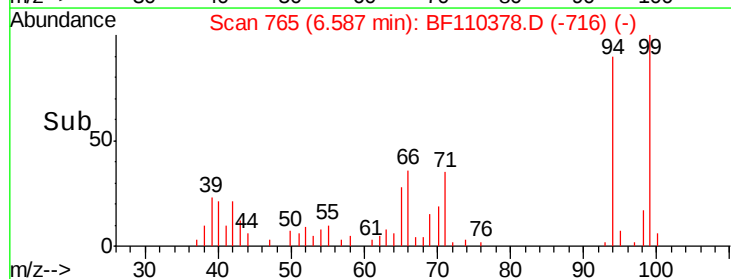
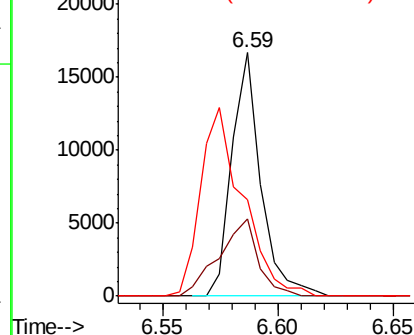
94 100

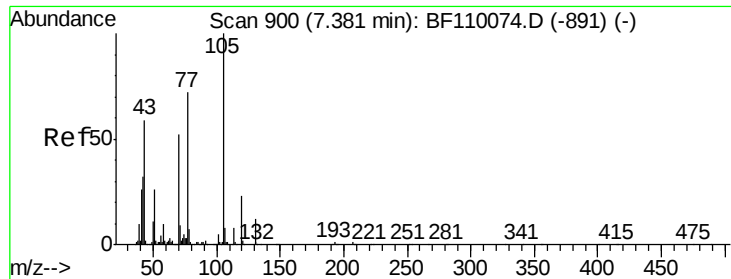
65 31.5 25.3 65.3

66 39.9 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

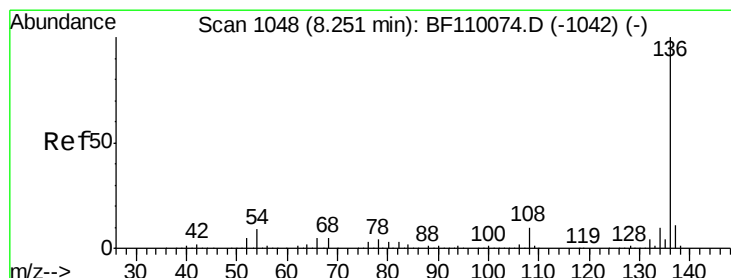
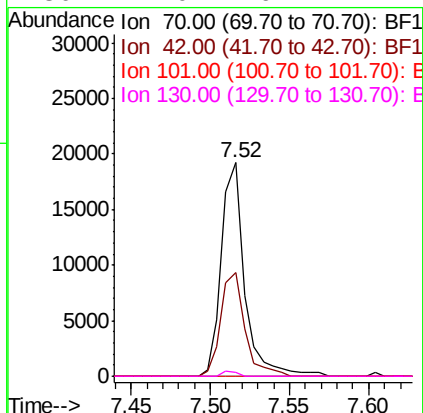
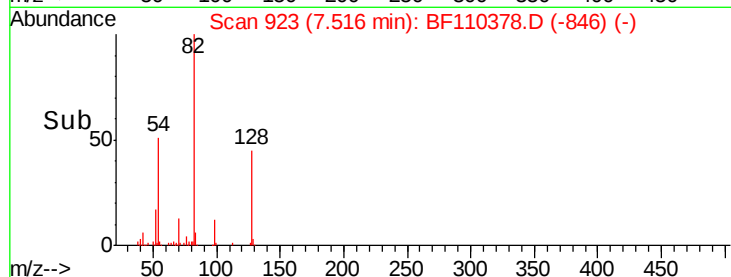
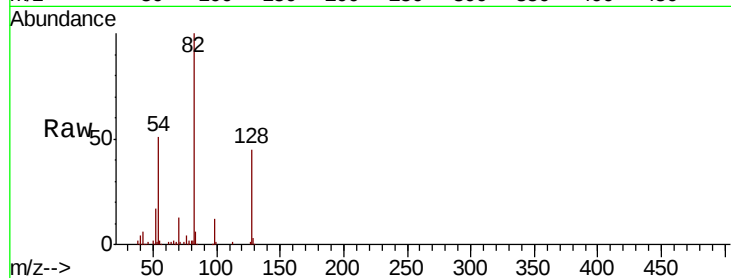




#19
n-Nitroso-di-n-propylamine
Concen: 5.172 ng
RT: 7.52 min Scan# 923
Delta R.T. 0.15 min
Lab File: BF110378.D
Acq: 1 Nov 2018 20:07

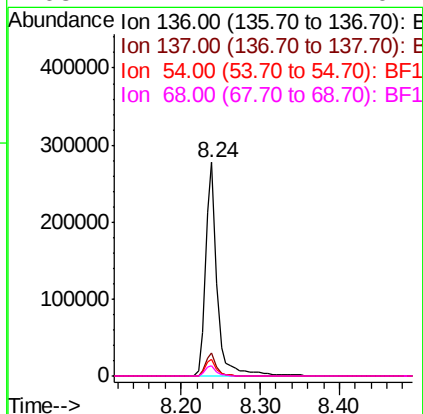
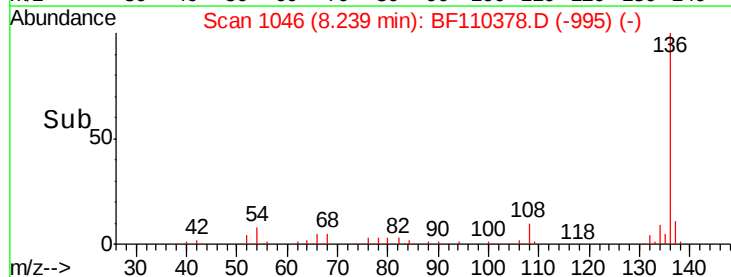
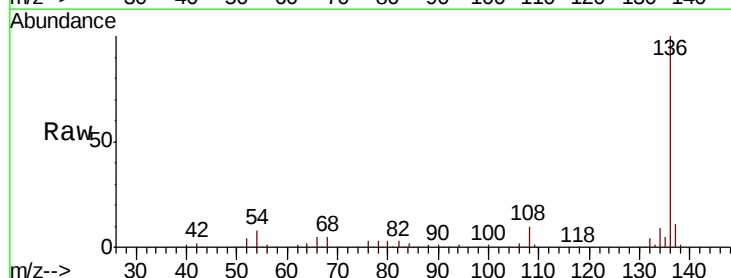
Instrument :
BNA_F
ClientSampleId :

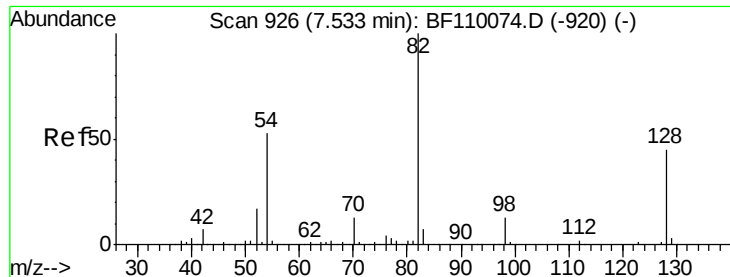
Tot Ion: 70 Resp: 19675
Ion Ratio Lower Upper
70 100
42 48.5 47.4 71.2
101 0.0 7.3 10.9#
130 2.0 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF110378.D
Acq: 1 Nov 2018 20:07

Tgt Ion:136 Resp: 281197
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.6 5.4 8.2
68 4.7 4.2 6.2

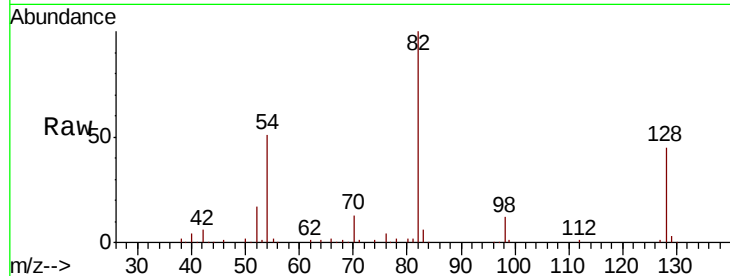




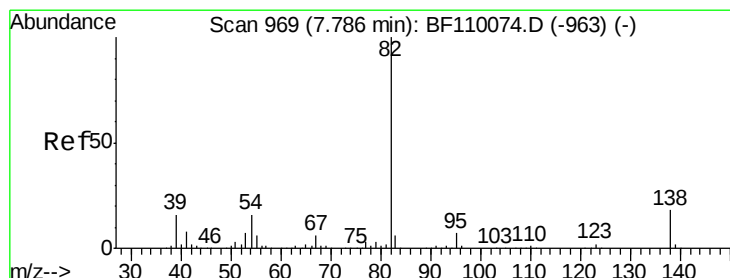
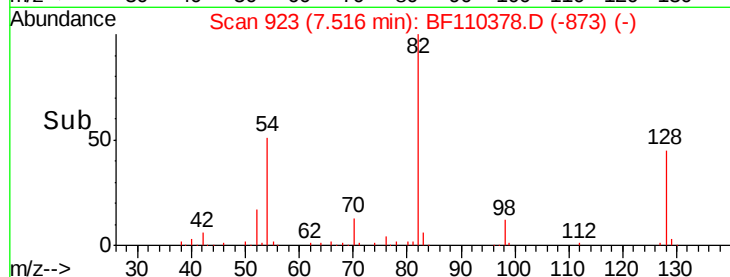
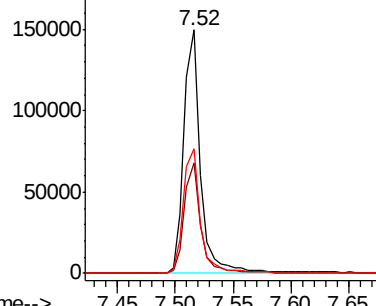
#23
 Nitrobenzene-d5
 Concen: 31.881 ng
 RT: 7.52 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BF110378.D
 Acq: 1 Nov 2018 20:07

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 151146
 Ion Ratio Lower Upper
 82 100
 128 45.2 34.2 51.2
 54 51.4 38.6 58.0

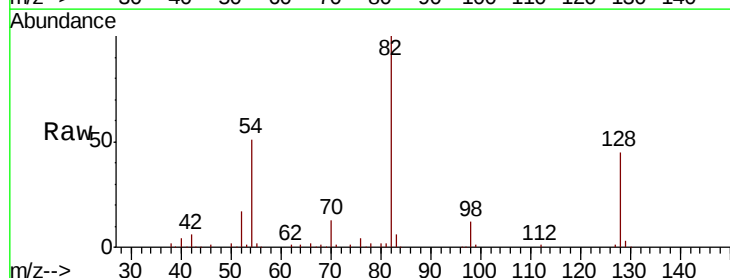


Abundance Ion 82.00 (81.70 to 82.70): BF1
 200000 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

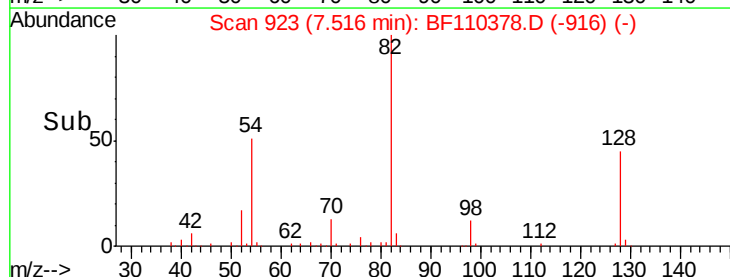
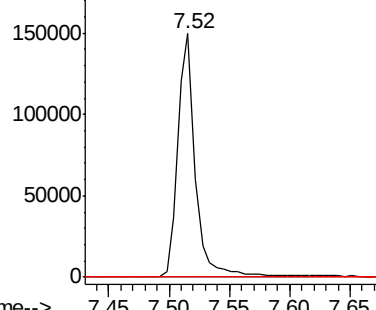


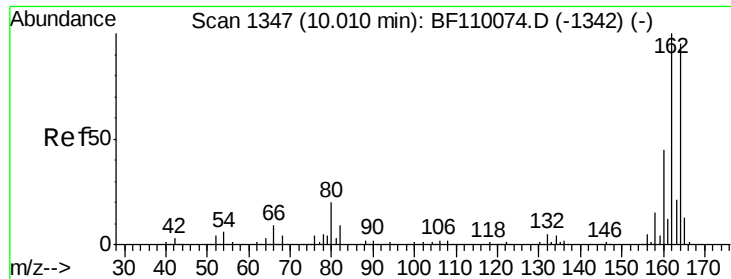
#25
 Isophorone
 Concen: 18.703 ng
 RT: 7.52 min Scan# 923
 Delta R.T. -0.26 min
 Lab File: BF110378.D
 Acq: 1 Nov 2018 20:07

Tgt Ion: 82 Resp: 151144
 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
 200000 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: 10.00 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BF110378.D

Acq: 1 Nov 2018 20:07

Instrument :

BNA_F

ClientSampleId :

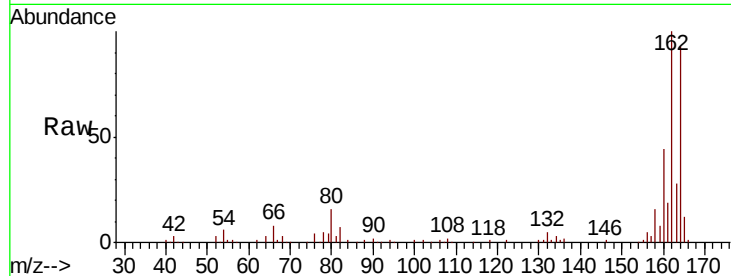
Tot Ion:164 Resp: 106740

Ion Ratio Lower Upper

164 100

162 108.0 83.0 124.6

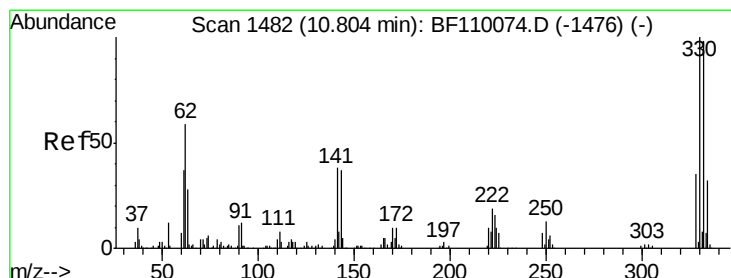
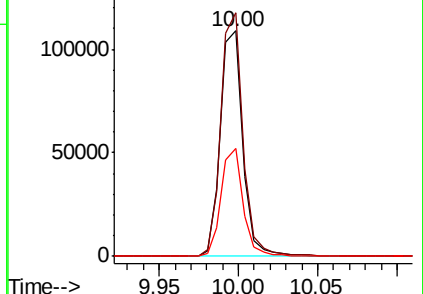
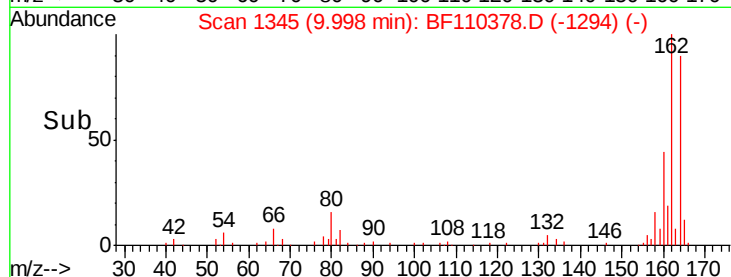
160 47.8 37.0 55.6



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: 37.420 ng

RT: 10.79 min Scan# 1479

Delta R.T. -0.01 min

Lab File: BF110378.D

Acq: 1 Nov 2018 20:07

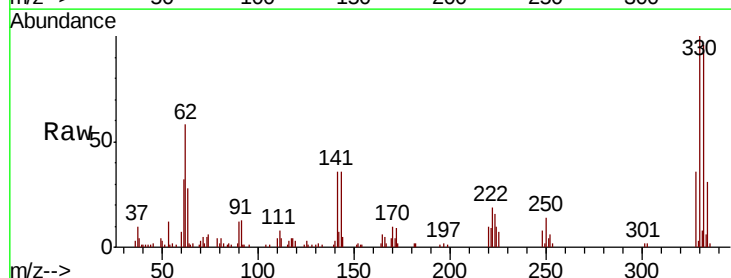
Tgt Ion:330 Resp: 39565

Ion Ratio Lower Upper

330 100

332 95.8 77.1 115.7

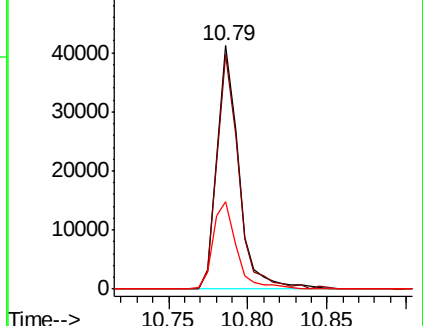
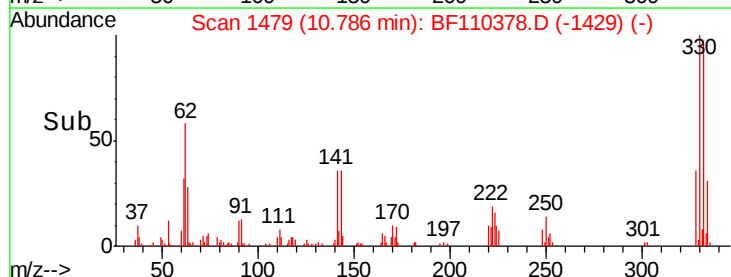
141 38.7 27.0 40.4

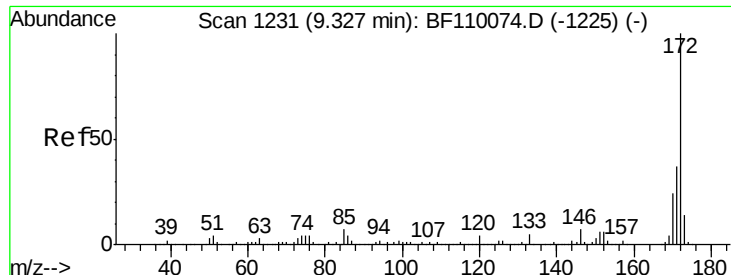


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

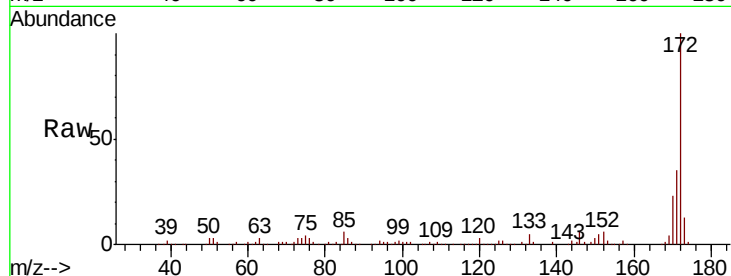




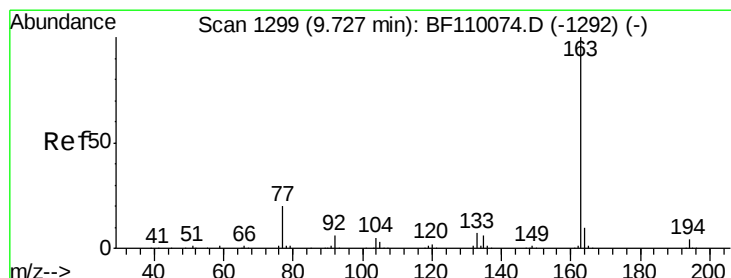
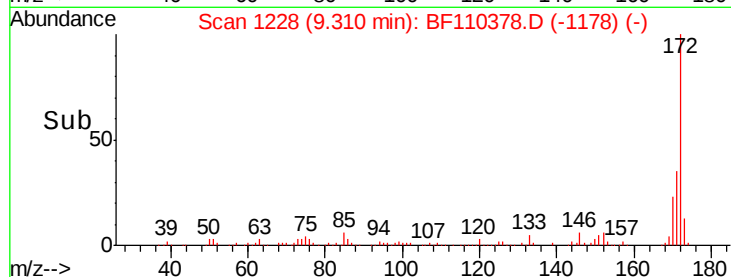
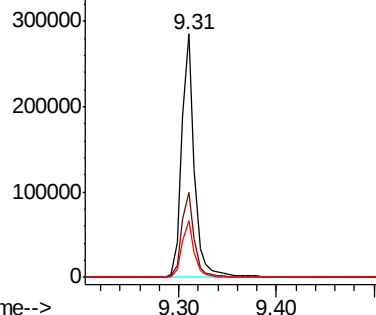
#45
2-Fluorobiphenyl
Concen: 38.056 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF110378.D
Acq: 1 Nov 2018 20:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.6	43.0
170	23.2	19.7	29.5

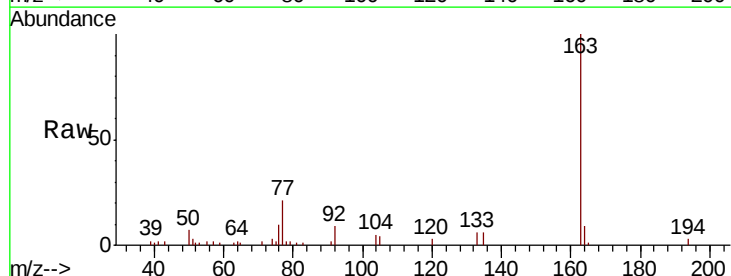


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

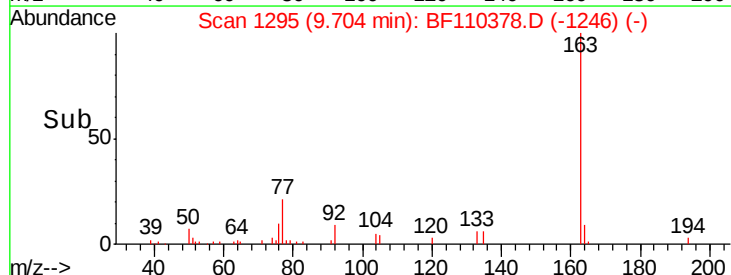
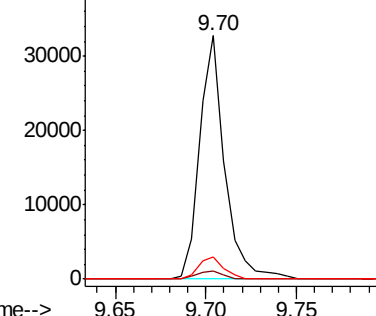


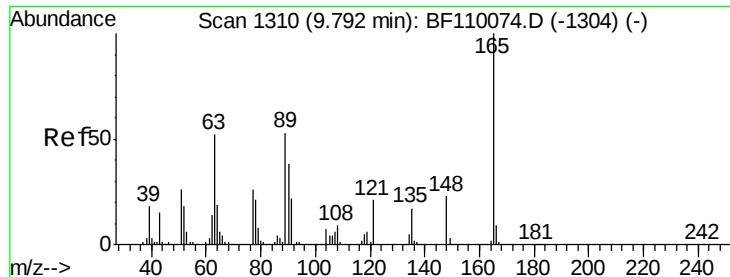
#50
Dimethylphthalate
Concen: 4.003 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF110378.D
Acq: 1 Nov 2018 20:07

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.2	4.8
164	9.0	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





#51

2,6-Dinitrotoluene

Concen: 7.856 ng

RT: 10.00 min Scan# 1345

Delta R.T. 0.22 min

Lab File: BF110378.D

Acq: 1 Nov 2018 20:07

Instrument :

BNA_F

ClientSampleId :

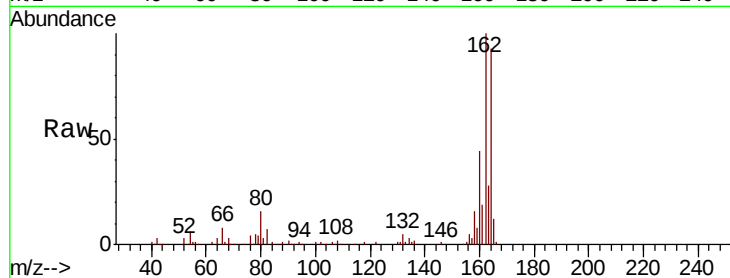
Tot Ion:165 Resp: 13333

Ion Ratio Lower Upper

165 100

63 0.0 48.9 73.3#

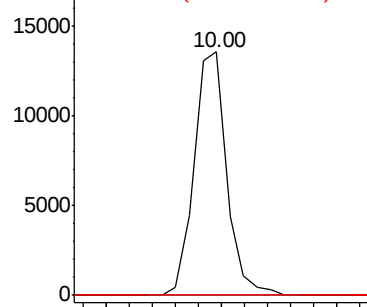
89 0.0 46.6 69.8#



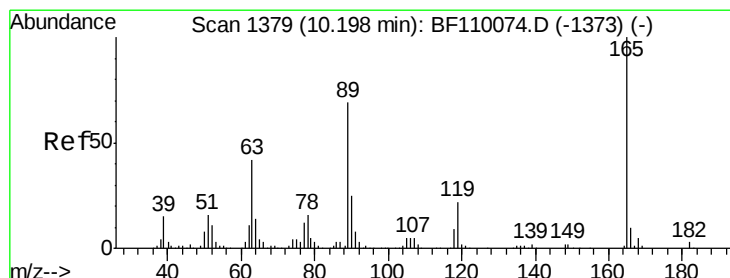
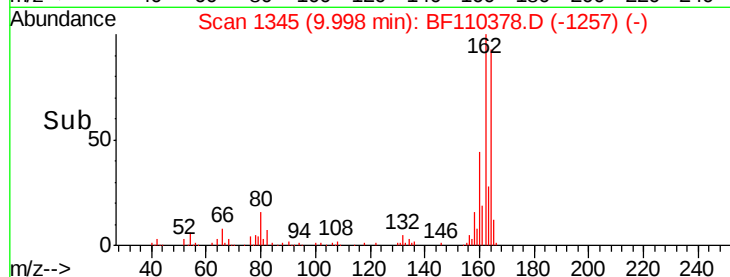
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



Time-->



#57

2,4-Dinitrotoluene

Concen: 6.185 ng

RT: 10.00 min Scan# 1345

Delta R.T. -0.19 min

Lab File: BF110378.D

Acq: 1 Nov 2018 20:07

Tgt Ion:165 Resp: 13333

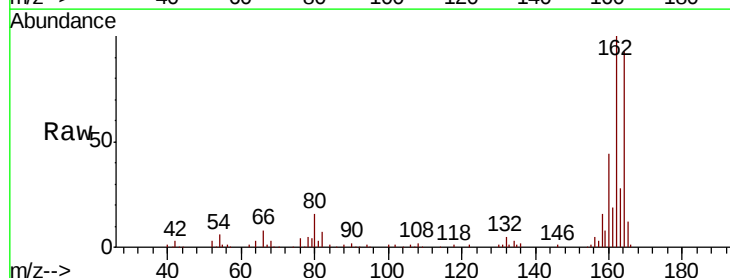
Ion Ratio Lower Upper

165 100

63 0.0 44.8 67.2#

89 0.0 62.2 93.4#

182 0.0 2.1 3.1#

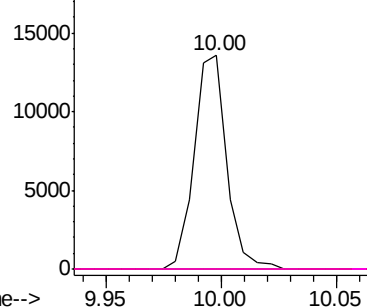


Abundance Ion 165.00 (164.70 to 165.70): E

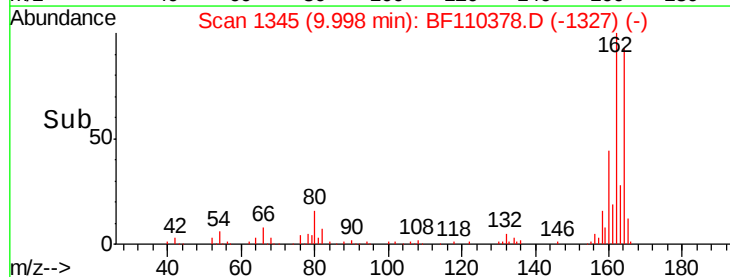
Ion 63.00 (62.70 to 63.70): BF1

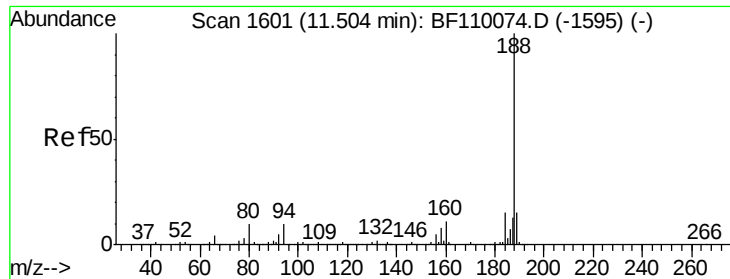
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



Time-->

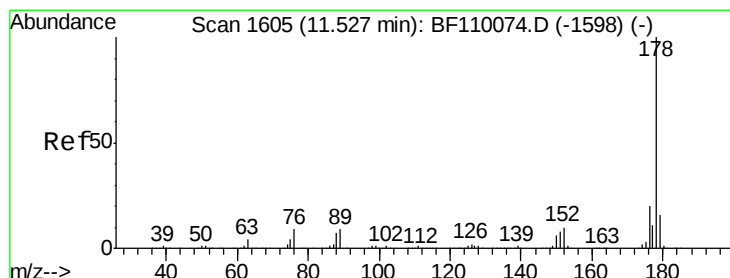
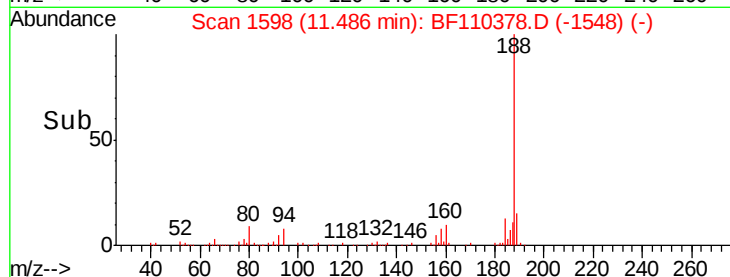
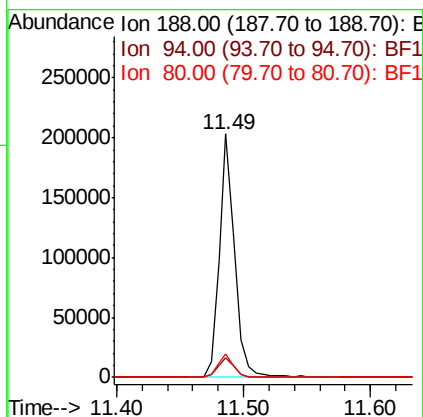
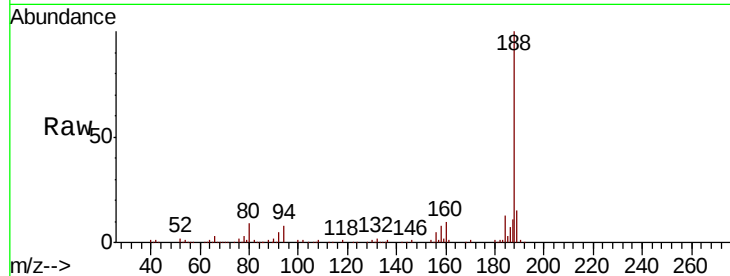




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF110378.D
Acq: 1 Nov 2018 20:07

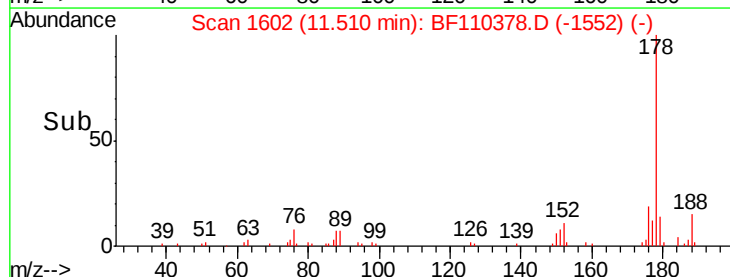
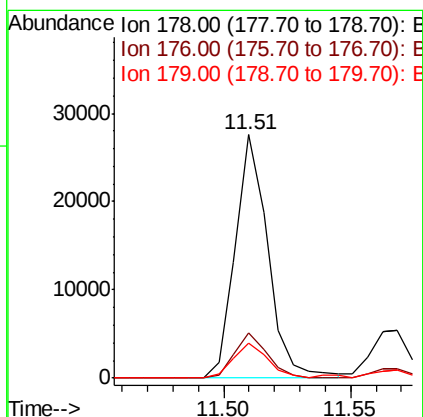
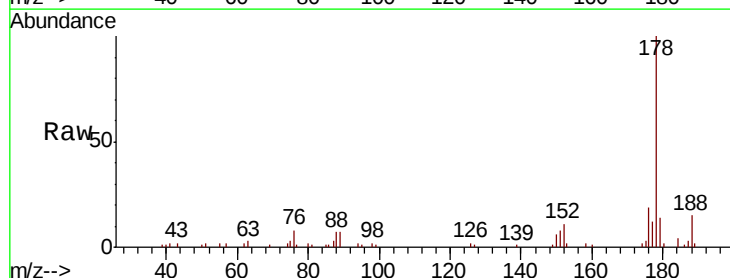
Instrument :
BNA_F
ClientSampleId :

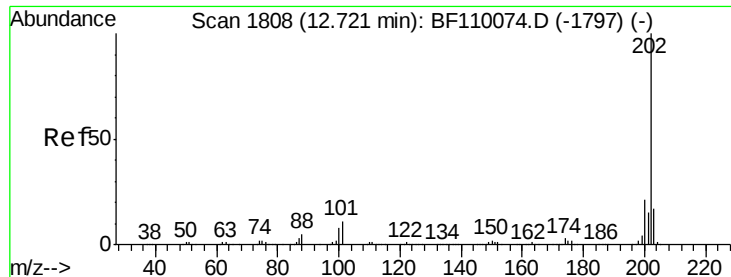
Tot Ion:188 Resp: 172623
Ion Ratio Lower Upper
188 100
94 8.2 7.2 10.8
80 9.4 7.9 11.9



#71
Phenanthrene
Concen: 2.736 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BF110378.D
Acq: 1 Nov 2018 20:07

Tgt Ion:178 Resp: 24713
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 14.3 12.5 18.7





#75

Fluoranthene

Concen: 5.989 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF110378.D

Acq: 1 Nov 2018 20:07

Instrument :

BNA_F

ClientSampleId :

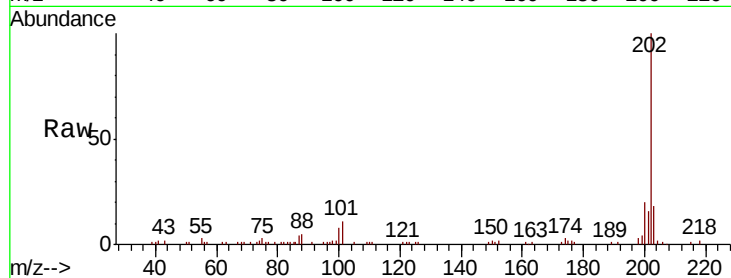
Tot Ion:202 Resp: 54905

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.4

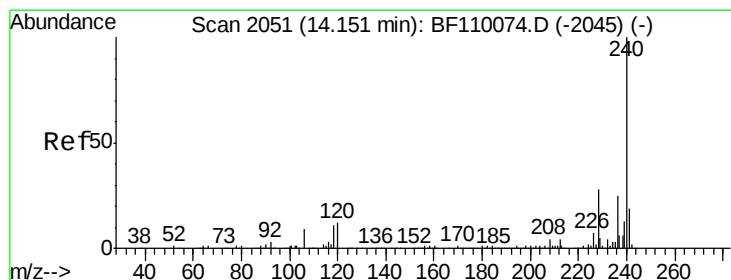
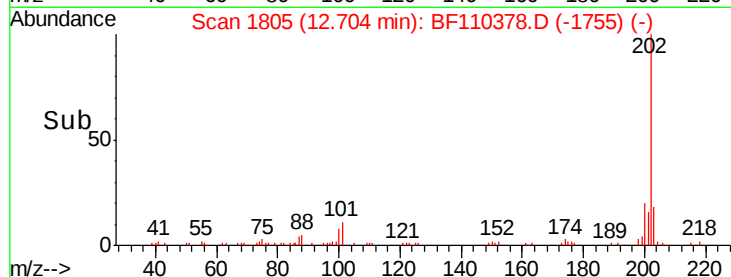
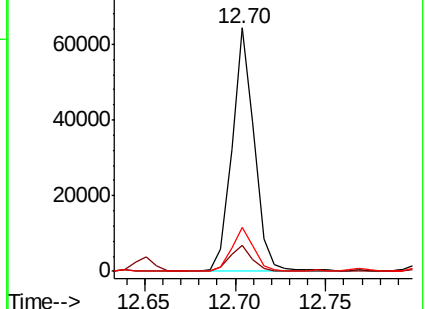
203 18.0 0.0 37.7



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# 2048

Delta R.T. -0.01 min

Lab File: BF110378.D

Acq: 1 Nov 2018 20:07

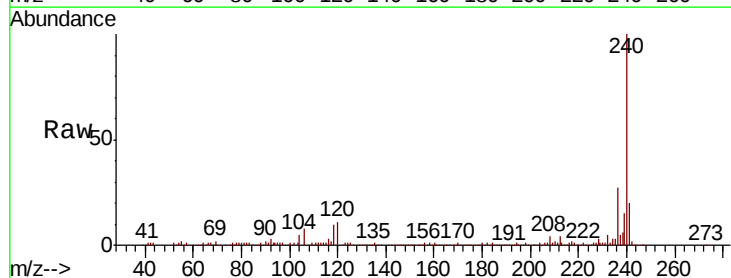
Tgt Ion:240 Resp: 182917

Ion Ratio Lower Upper

240 100

120 11.2 8.3 12.5

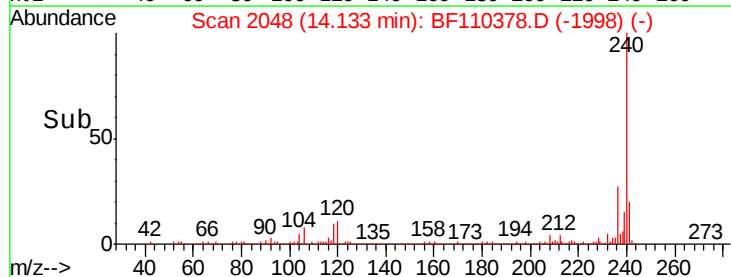
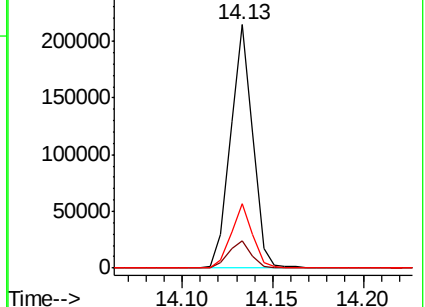
236 26.6 21.2 31.8

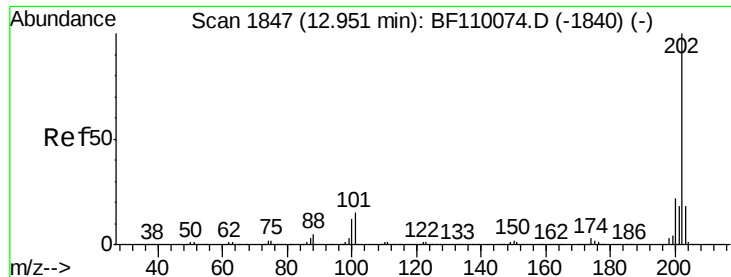


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

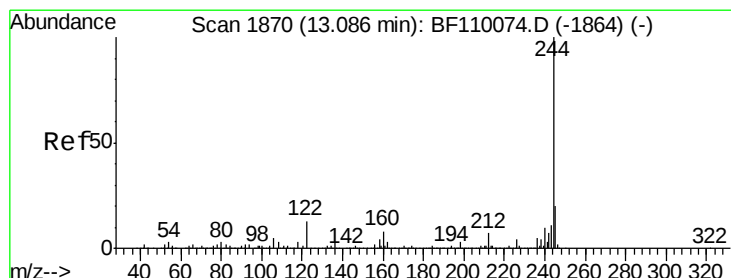
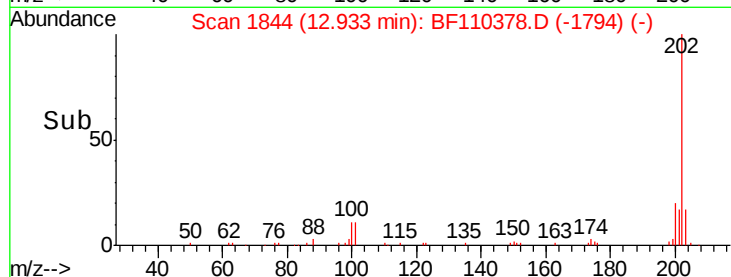
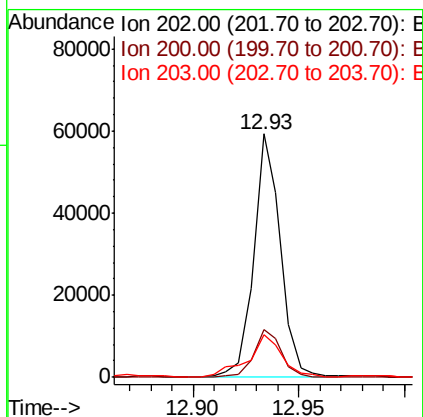
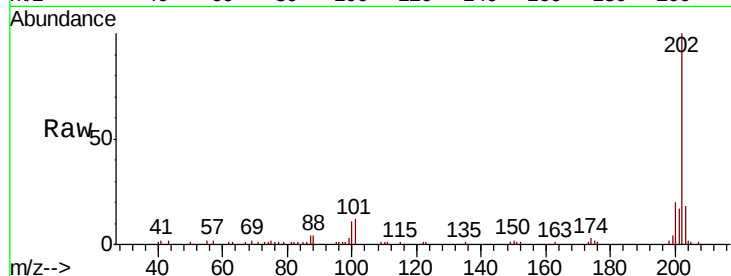




#78
Pvrene
Concen: 3.994 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BF110378.D
Acq: 1 Nov 2018 20:07

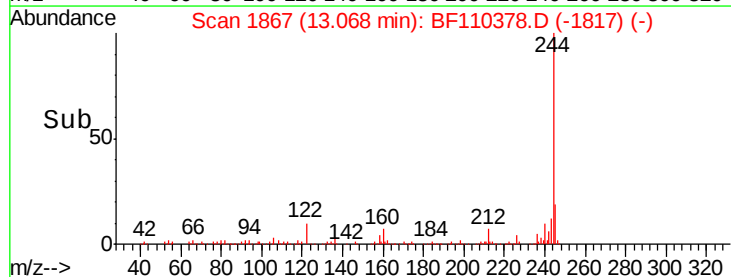
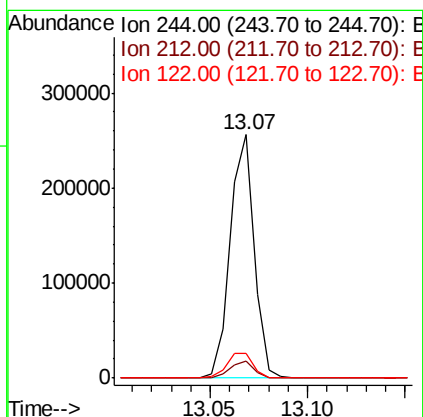
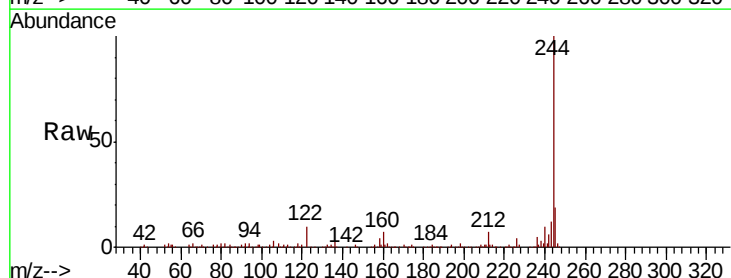
Instrument :
BNA_F
ClientSampleId :

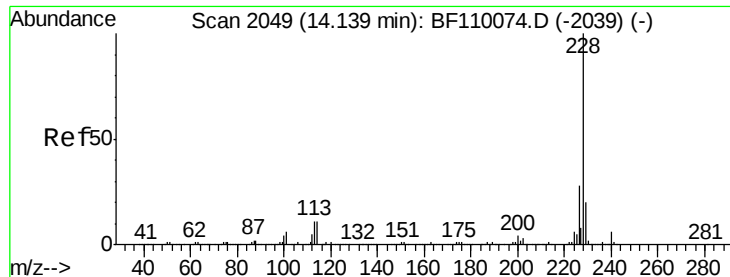
Tot Ion:202 Resp: 52374
Ion Ratio Lower Upper
202 100
200 19.6 17.8 26.6
203 17.7 14.2 21.4



#79
Terphenyl-d14
Concen: 24.826 ng
RT: 13.07 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BF110378.D
Acq: 1 Nov 2018 20:07

Tgt Ion:244 Resp: 218355
Ion Ratio Lower Upper
244 100
212 6.8 5.8 8.8
122 10.4 8.7 13.1

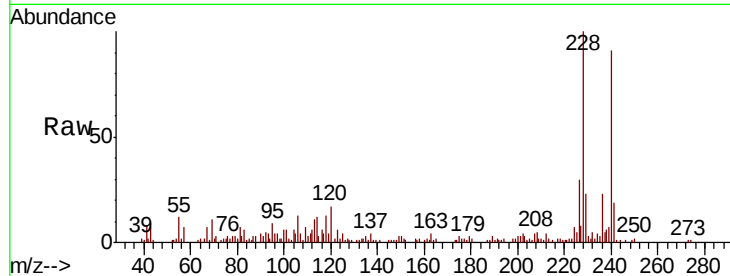




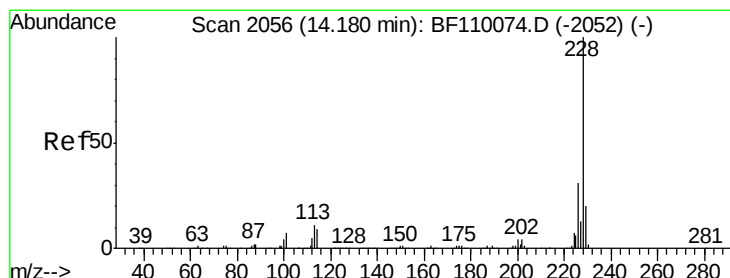
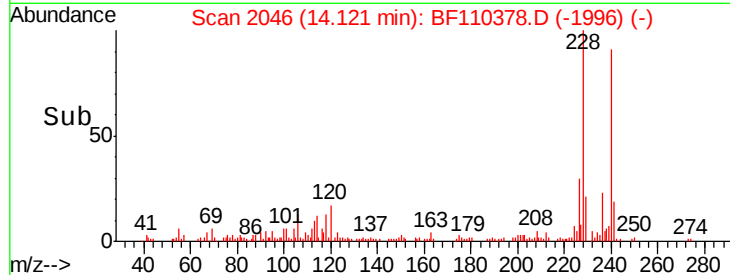
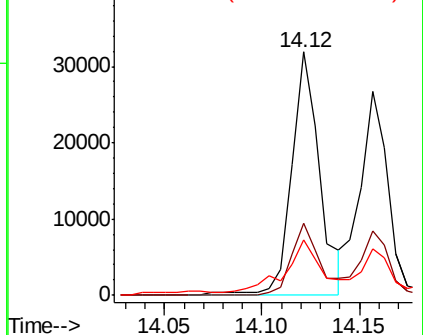
#81
Benzo(a)anthracene
Concen: 2.931 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF110378.D
Acq: 1 Nov 2018 20:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 31798
Ion Ratio Lower Upper
228 100
226 29.6 22.1 33.1
229 22.8 15.6 23.4

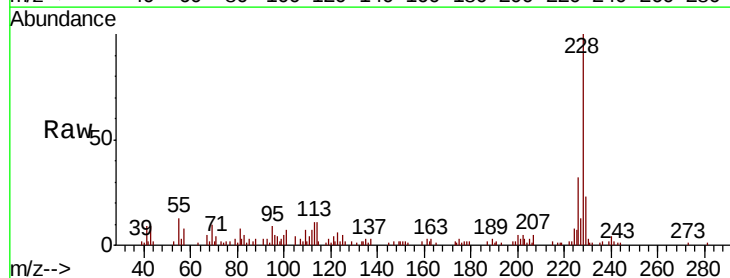


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

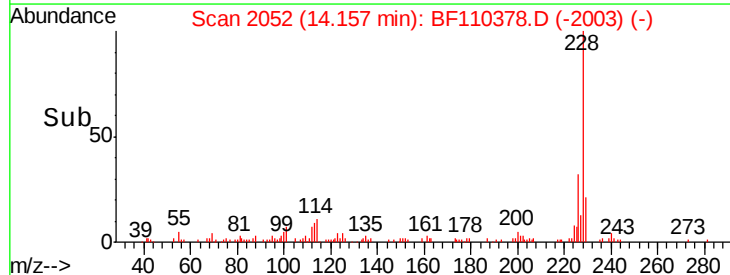
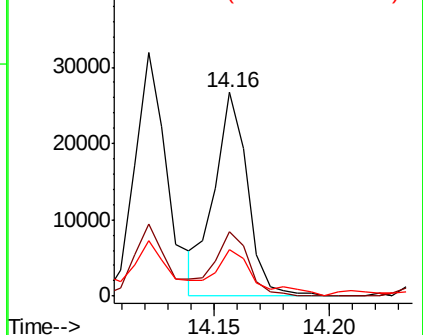


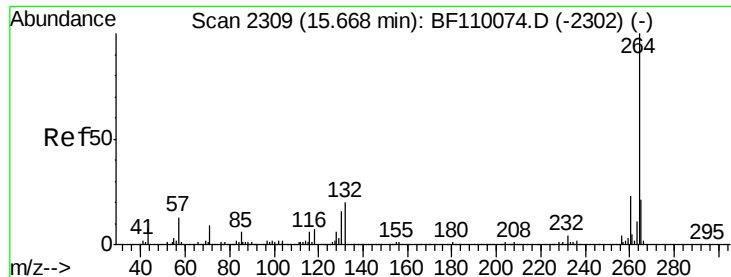
#83
Chrysene
Concen: 2.589 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110378.D
Acq: 1 Nov 2018 20:07

Tgt Ion:228 Resp: 26674
Ion Ratio Lower Upper
228 100
226 31.9 24.7 37.1
229 22.6 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

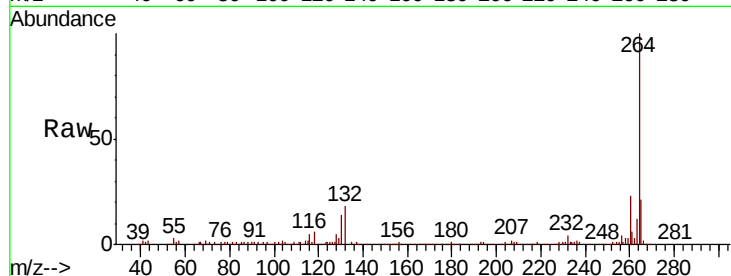




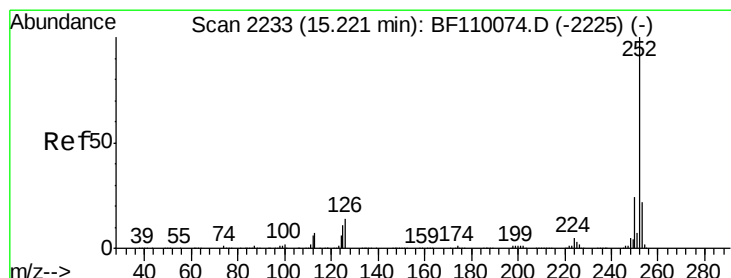
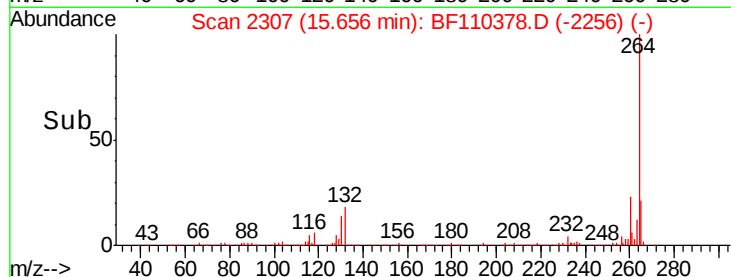
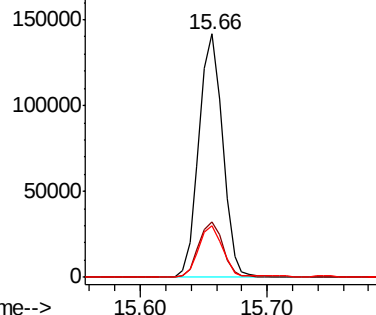
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110378.D
Acq: 1 Nov 2018 20:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 184749
Ion Ratio Lower Upper
264 100
260 22.7 18.7 28.1
265 21.3 16.7 25.1

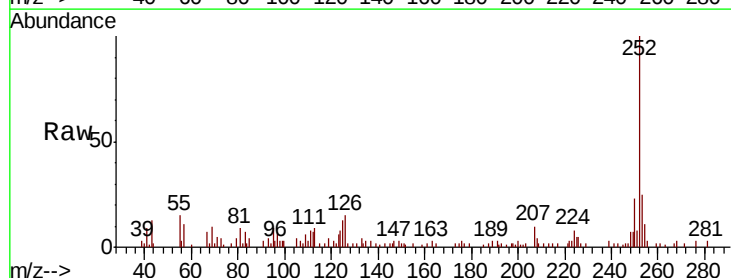


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

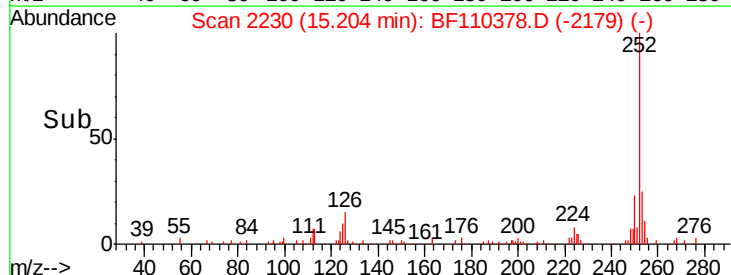
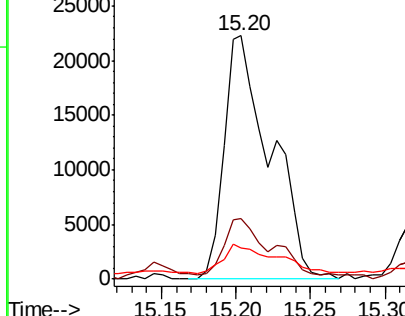


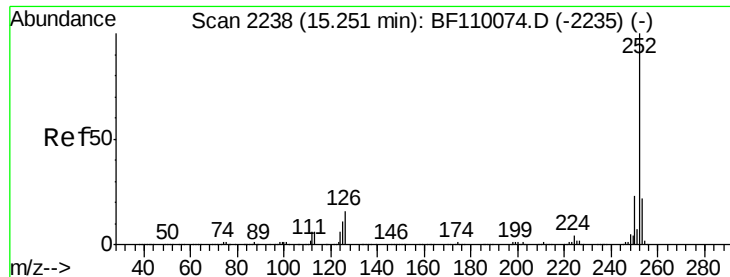
#88
Benzo(b)fluoranthene
Concen: 4.508 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110378.D
Acq: 1 Nov 2018 20:07

Tgt Ion:252 Resp: 48095
Ion Ratio Lower Upper
252 100
253 24.6 17.2 25.8
125 13.0 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

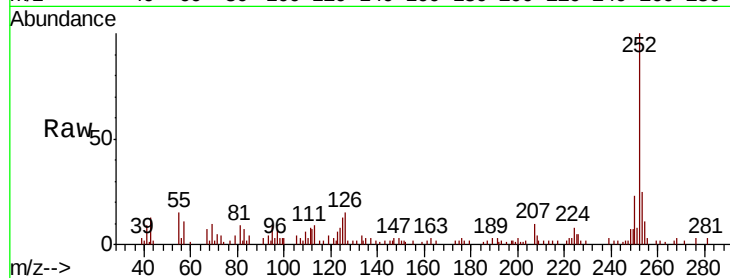




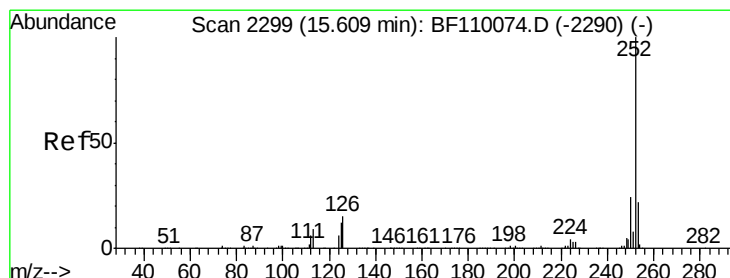
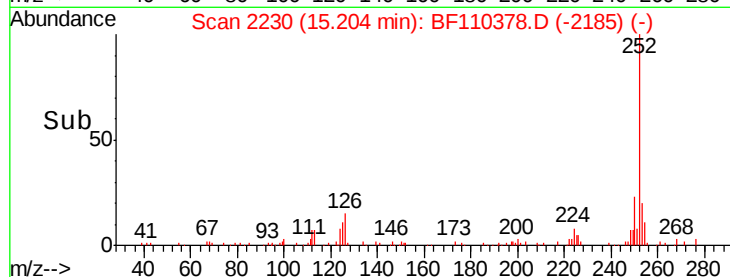
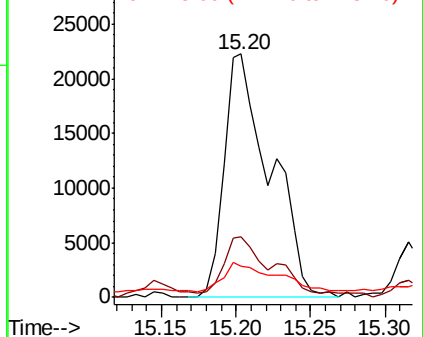
#89
Benzo(k)fluoranthene
Concen: 4.586 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110378.D
Acq: 1 Nov 2018 20:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 48095
Ion Ratio Lower Upper
252 100
253 24.6 17.2 25.8
125 13.0 7.4 11.0#

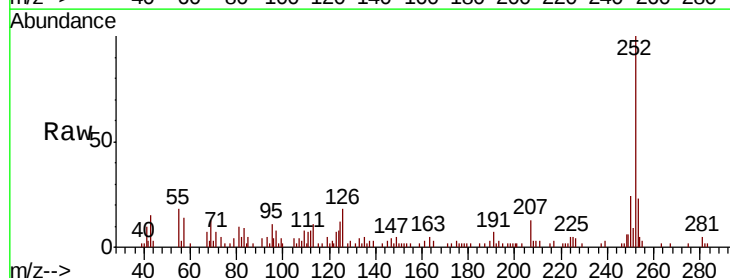


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.626 ng
RT: 15.59 min Scan# 2295
Delta R.T. -0.01 min
Lab File: BF110378.D
Acq: 1 Nov 2018 20:07

Tgt Ion:252 Resp: 25775
Ion Ratio Lower Upper
252 100
253 23.4 18.2 27.4
125 11.5 9.0 13.6



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

