

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
 Data File : BF110430.D
 Acq On : 2 Nov 2018 23:42
 Operator : JU/SJ
 Sample : J5769-05 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 03 00:53:30 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

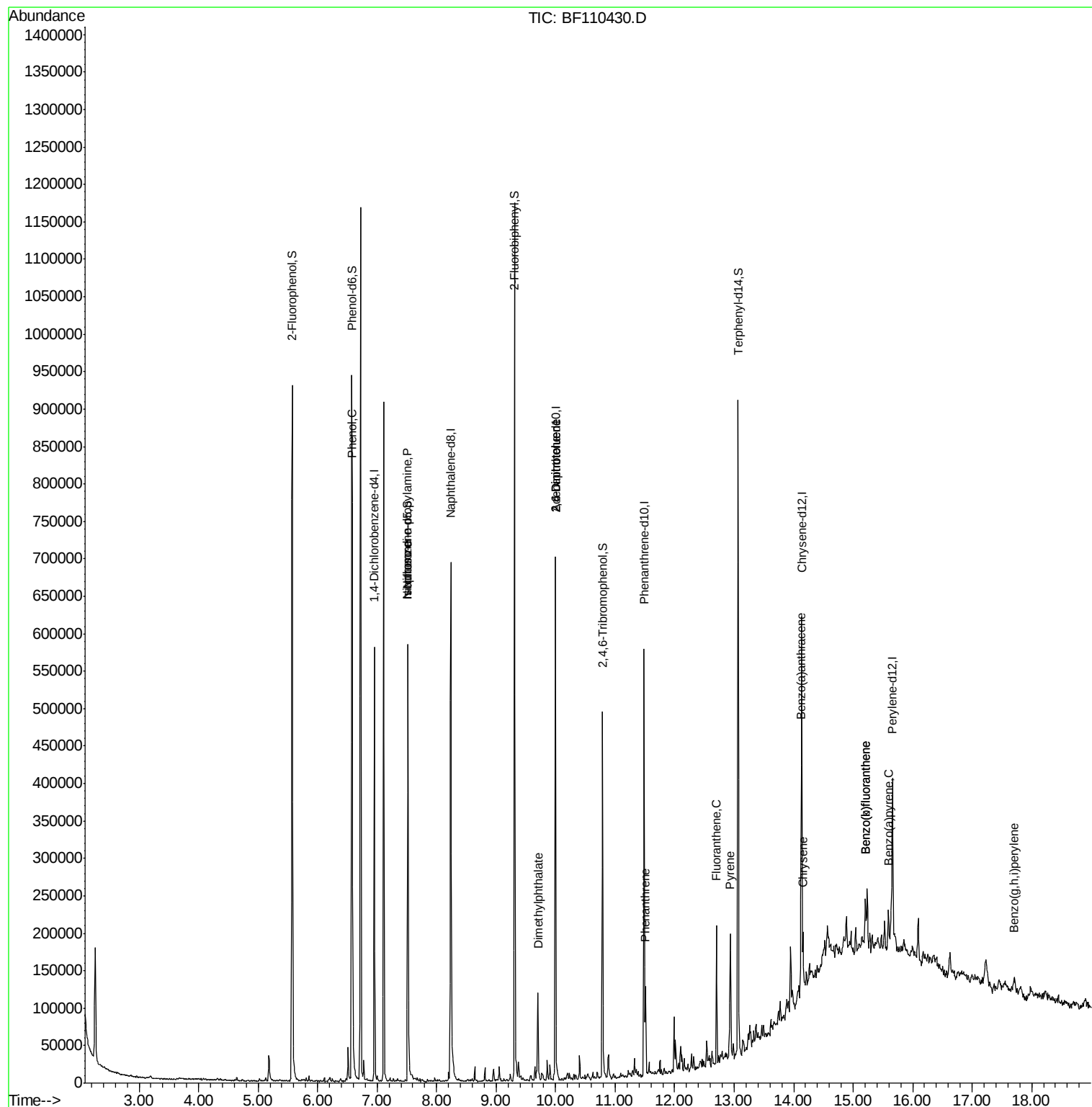
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	92034	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	355061	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	140384	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	221429	20.00	ng	0.00
76) Chrysene-d12	14.13	240	154152	20.00	ng	0.00
87) Perylene-d12	15.66	264	112012	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	265099	46.91	ng	0.00
7) Phenol-d6	6.57	99	337313	46.66	ng	0.00
23) Nitrobenzene-d5	7.52	82	195029	32.58	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	55880	40.18	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	372869	41.71	ng	0.00
79) Terphenyl-d14	13.07	244	276964	37.37	ng	0.00
Target Compounds						
10) Phenol	6.59	94	20623	2.669	ng	# 77
19) n-Nitroso-di-n-propylamine	7.52	70	26458	5.705	ng	# 80
25) Isophorone	7.52	82	195028	19.113	ng	# 67
50) Dimethylphthalate	9.70	163	49271	4.755	ng	99
51) 2,6-Dinitrotoluene	10.00	165	18174	8.142	ng	# 22
57) 2,4-Dinitrotoluene	10.00	165	18174	6.410	ng	# 18
71) Phenanthrene	11.51	178	41144	3.551	ng	97
75) Fluoranthene	12.70	202	66379	5.645	ng	99
77) Benzidine	13.07	184	4052	Below Cal		94
78) Pyrene	12.93	202	69719	6.309	ng	98
81) Benzo(a)anthracene	14.12	228	30282	3.313	ng	# 91
83) Chrysene	14.16	228	32218	3.711	ng	96
88) Benzo(b)fluoranthene	15.20	252	47331	7.317	ng	# 90
89) Benzo(k)fluoranthene	15.20	252	47331	7.443	ng	# 89
90) Benzo(a)pyrene	15.59	252	21654	3.638	ng	# 93
92) Benzo(g,h,i)perylene	17.70	276	16274	3.216	ng	# 90

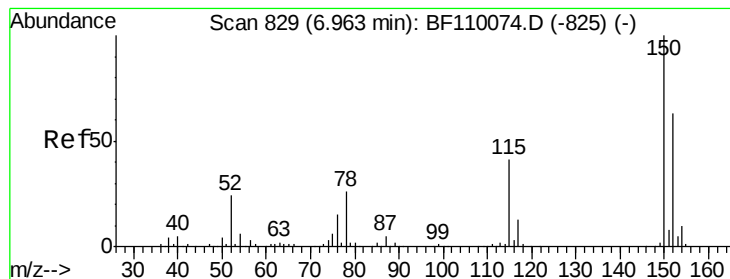
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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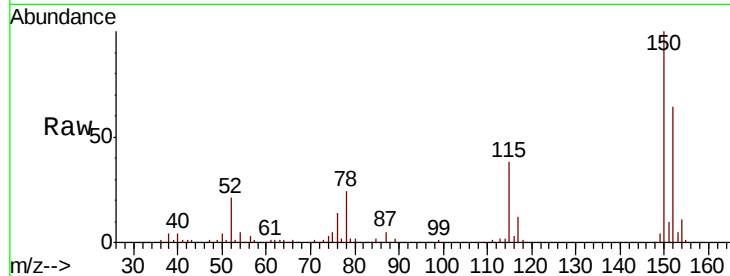


#1

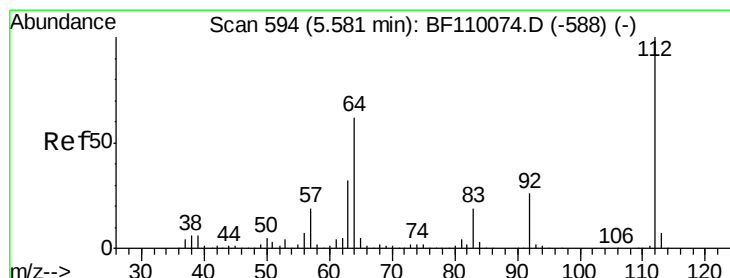
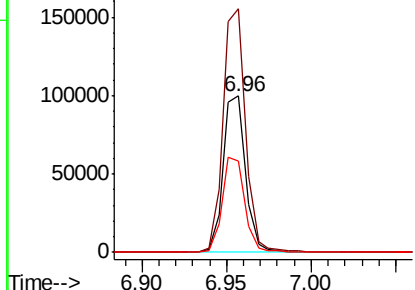
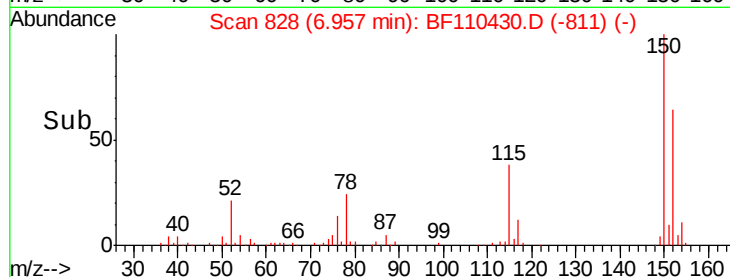
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.00 min
Lab File: BF110430.D
Acq: 2 Nov 2018 23:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 92034
Ion Ratio Lower Upper
152 100
150 155.9 122.7 184.1
115 58.6 49.1 73.7



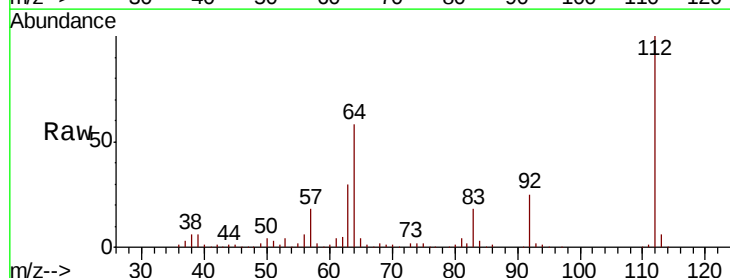
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



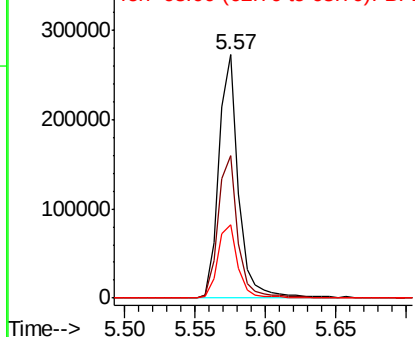
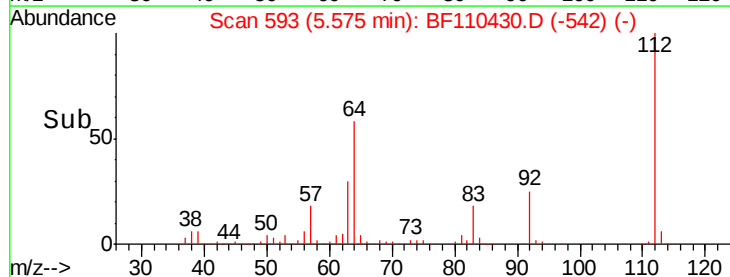
#5

2-Fluorophenol
Concen: 46.907 ng
RT: 5.57 min Scan# 593
Delta R.T. 0.00 min
Lab File: BF110430.D
Acq: 2 Nov 2018 23:42

Tgt Ion:112 Resp: 265099
Ion Ratio Lower Upper
112 100
64 58.4 44.1 66.1
63 30.0 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: 46.662 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110430.D

Acq: 2 Nov 2018 23:42

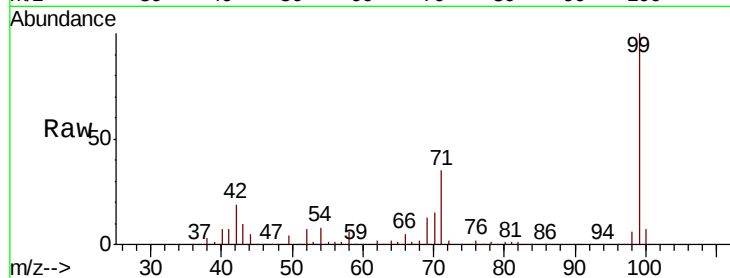
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 337313

Ion	Ratio	Lower	Upper
99	100		
42	19.3	15.8	23.6
71	34.7	28.0	42.0

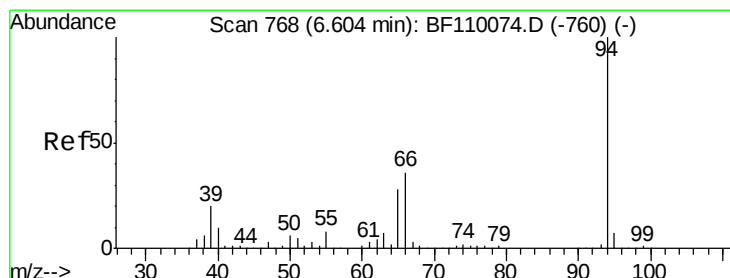
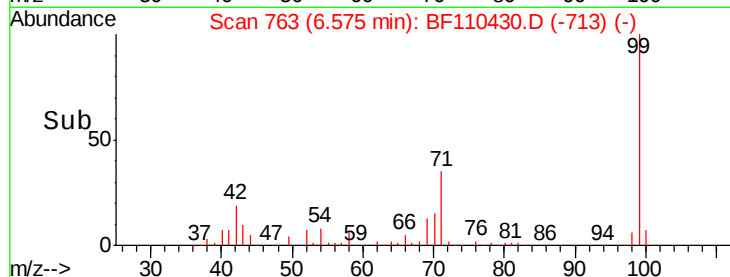
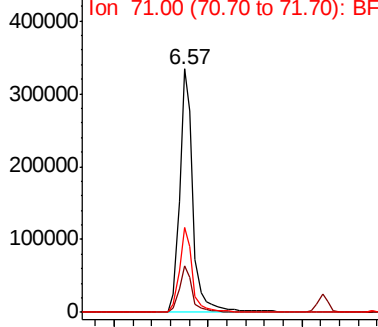


Abundance

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: 2.669 ng

RT: 6.59 min Scan# 765

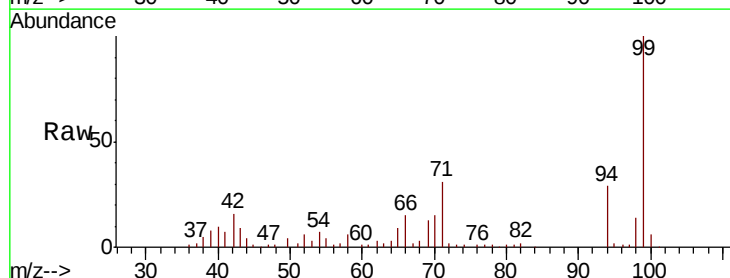
Delta R.T. -0.01 min

Lab File: BF110430.D

Acq: 2 Nov 2018 23:42

Tgt Ion: 94 Resp: 20623

Ion	Ratio	Lower	Upper
94	100		
65	32.8	25.3	65.3
66	52.7	54.5	94.5#

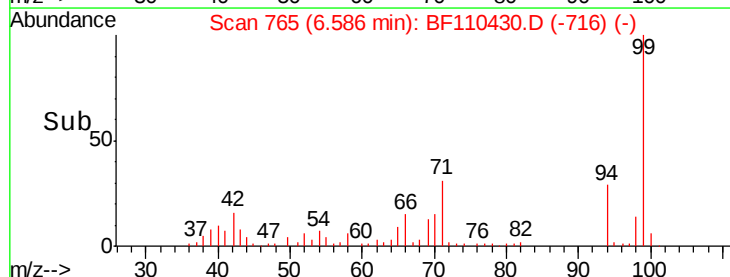
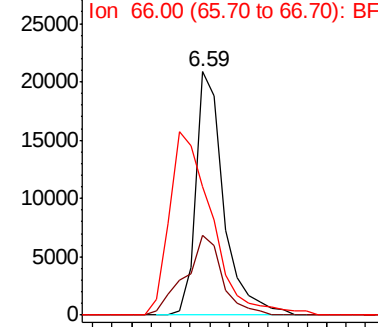


Abundance

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

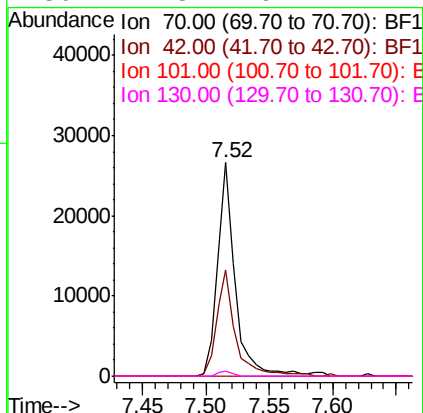
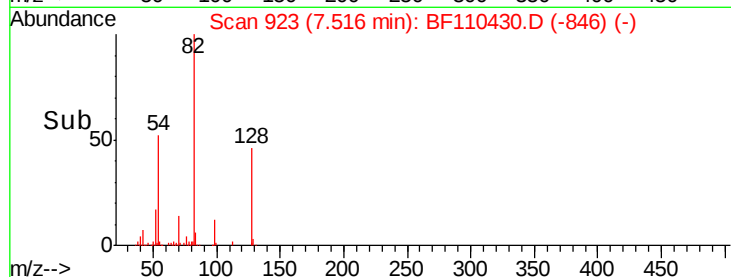
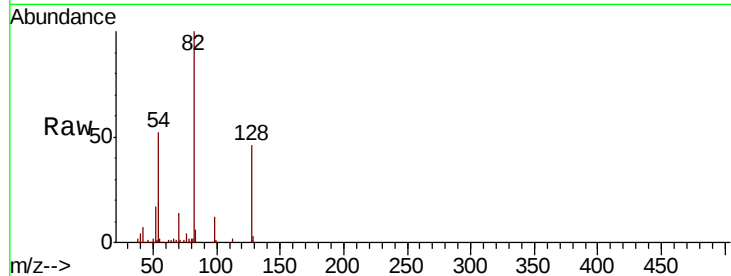




#19
n-Nitroso-di-n-propylamine
Concen: 5.705 ng
RT: 7.52 min Scan# 923
Delta R.T. 0.15 min
Lab File: BF110430.D
Acq: 2 Nov 2018 23:42

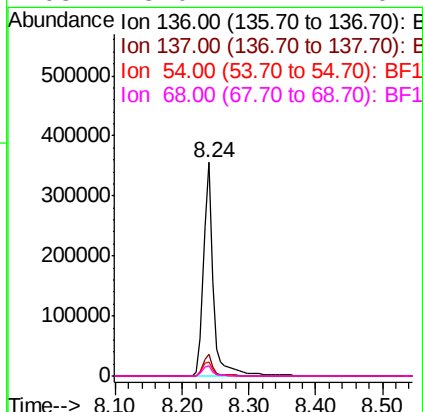
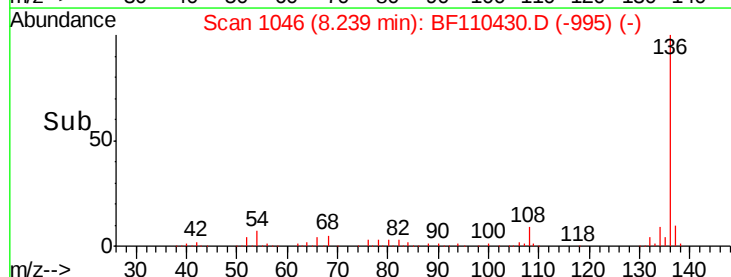
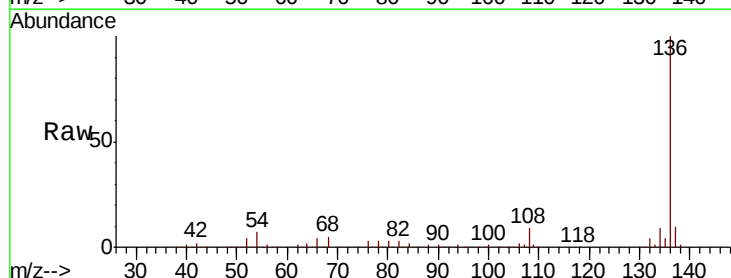
Instrument :
BNA_F
ClientSampleId :

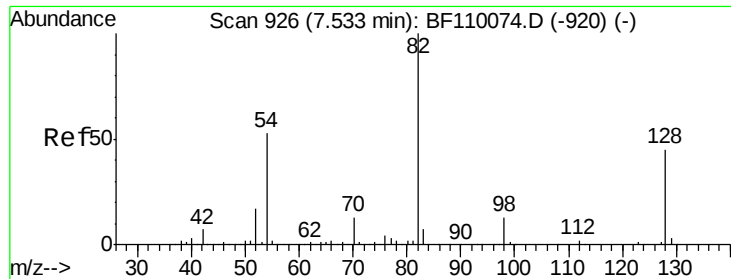
Tot Ion: 70 Resp: 26458
Ion Ratio Lower Upper
70 100
42 49.7 47.4 71.2
101 0.0 7.3 10.9#
130 2.3 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF110430.D
Acq: 2 Nov 2018 23:42

Tgt Ion: 136 Resp: 355061
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 6.9 5.4 8.2
68 5.0 4.2 6.2

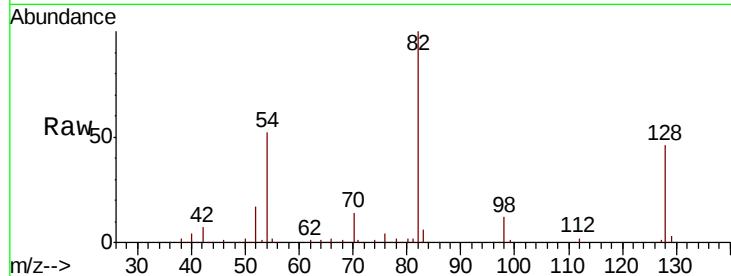




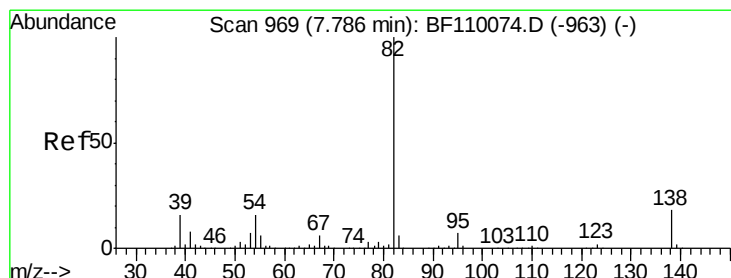
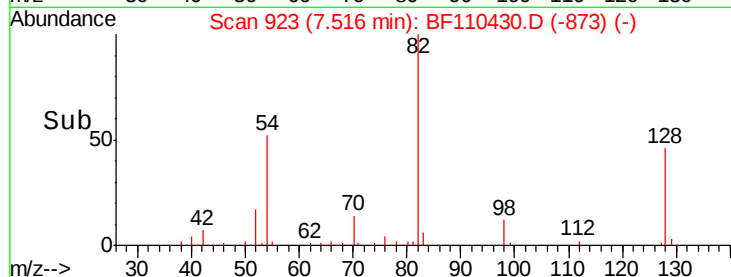
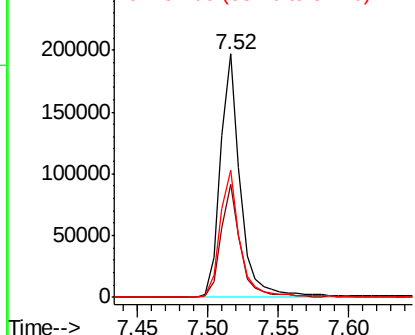
#23
 Nitrobenzene-d5
 Concen: 32.580 ng
 RT: 7.52 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BF110430.D
 Acq: 2 Nov 2018 23:42

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 195029
 Ion Ratio Lower Upper
 82 100
 128 46.3 34.2 51.2
 54 52.3 38.6 58.0

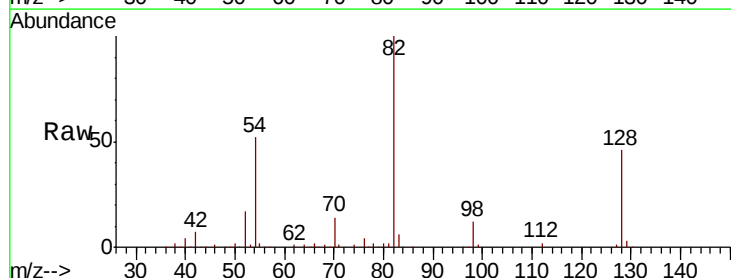


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

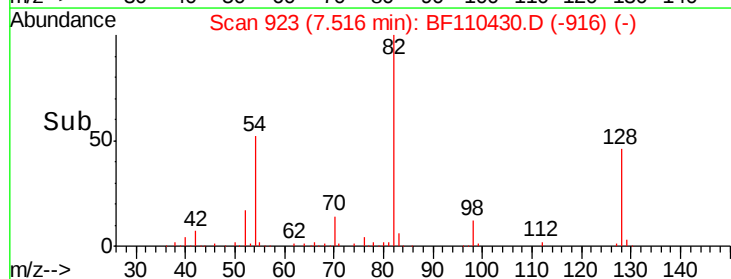
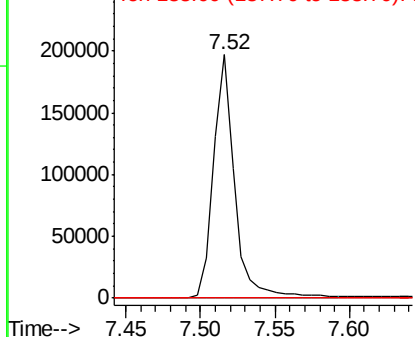


#25
 Isophorone
 Concen: 19.113 ng
 RT: 7.52 min Scan# 923
 Delta R.T. -0.26 min
 Lab File: BF110430.D
 Acq: 2 Nov 2018 23:42

Tgt Ion: 82 Resp: 195028
 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: 10.00 min Scan# 1345

Delta R.T. -0.00 min

Lab File: BF110430.D

Acq: 2 Nov 2018 23:42

Instrument :

BNA_F

ClientSampleId :

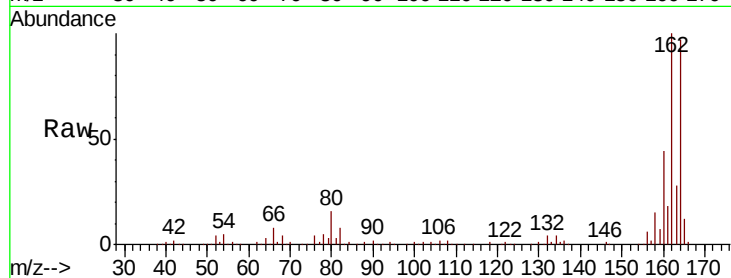
Tot Ion:164 Resp: 140384

Ion Ratio Lower Upper

164 100

162 103.3 83.0 124.6

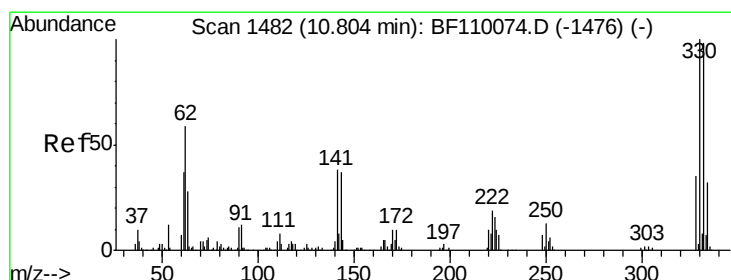
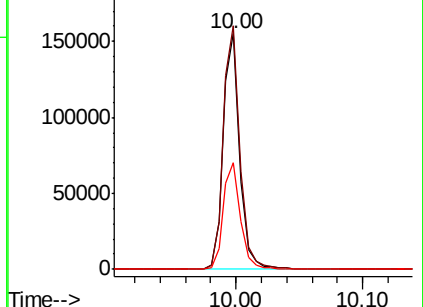
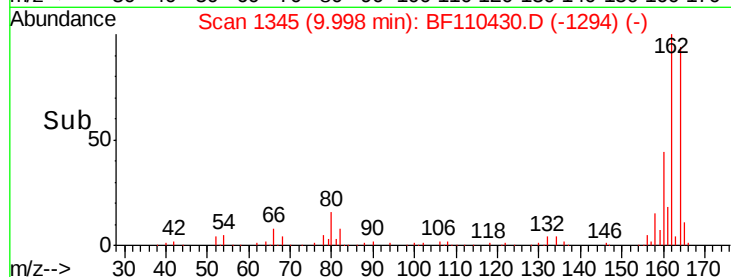
160 45.4 37.0 55.6



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: 40.184 ng

RT: 10.79 min Scan# 1479

Delta R.T. -0.01 min

Lab File: BF110430.D

Acq: 2 Nov 2018 23:42

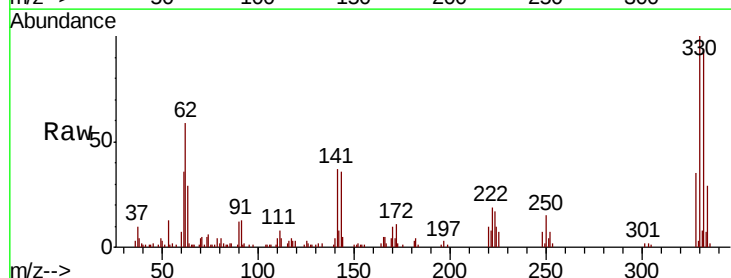
Tgt Ion:330 Resp: 55880

Ion Ratio Lower Upper

330 100

332 95.7 77.1 115.7

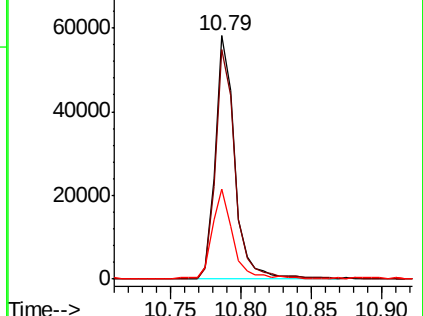
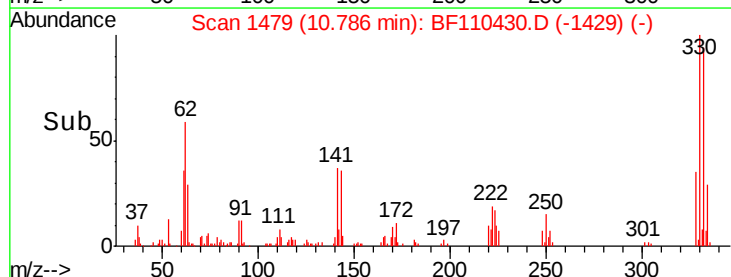
141 39.6 27.0 40.4



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

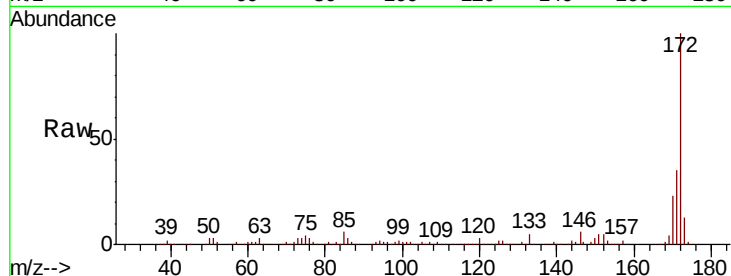




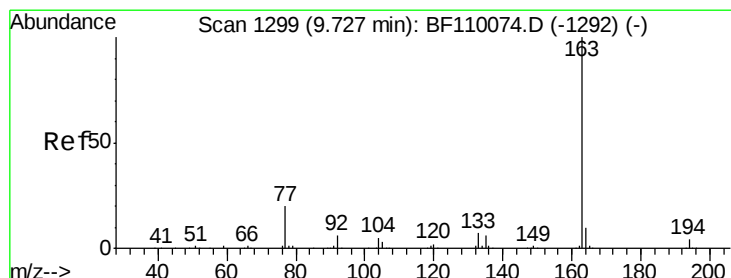
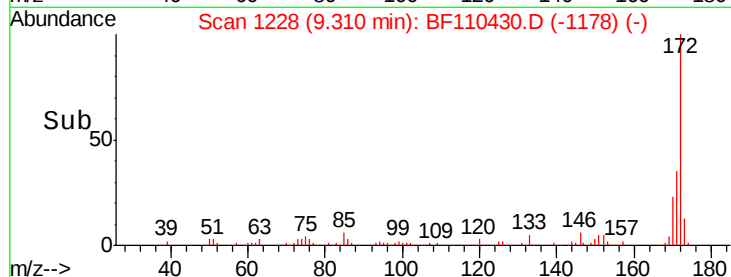
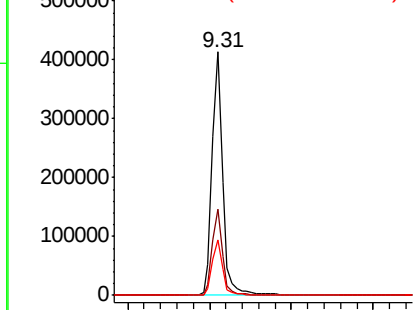
#45
2-Fluorobiphenyl
Concen: 41.707 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF110430.D
Acq: 2 Nov 2018 23:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 372869
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 23.0 19.7 29.5

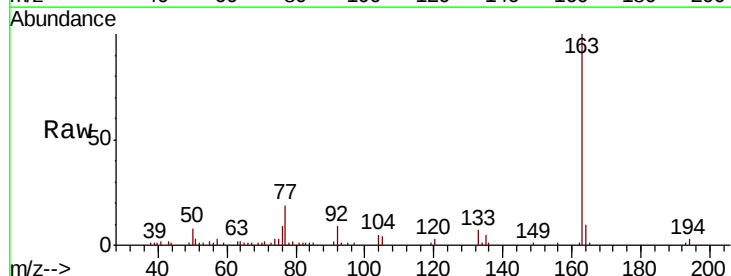


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

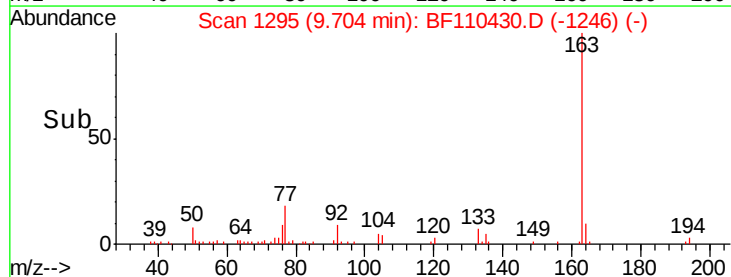
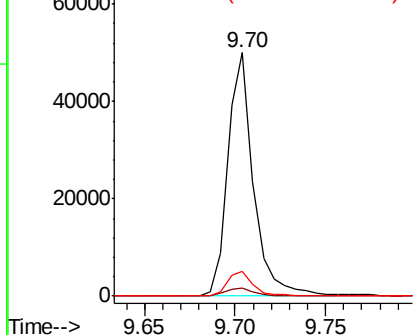


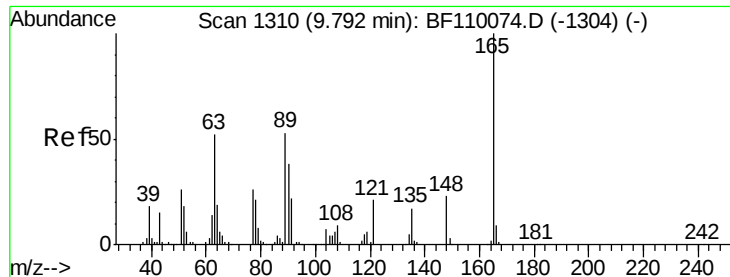
#50
Dimethylphthalate
Concen: 4.755 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF110430.D
Acq: 2 Nov 2018 23:42

Tgt Ion:163 Resp: 49271
Ion Ratio Lower Upper
163 100
194 3.4 3.2 4.8
164 10.1 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

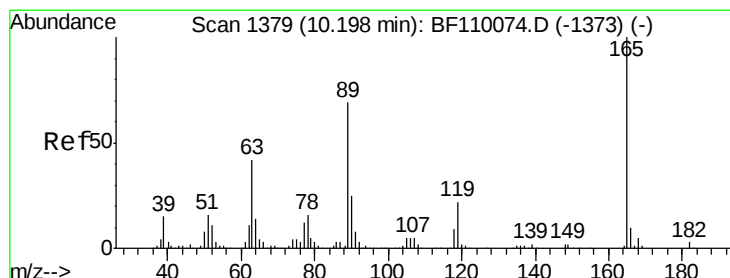
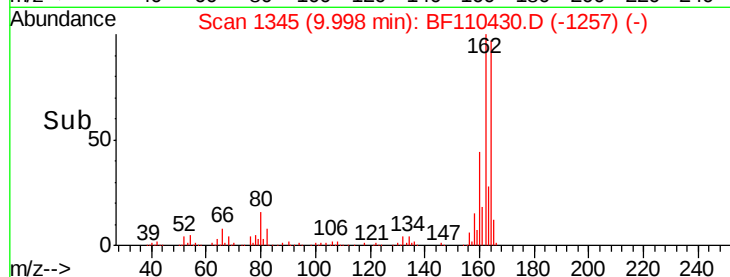
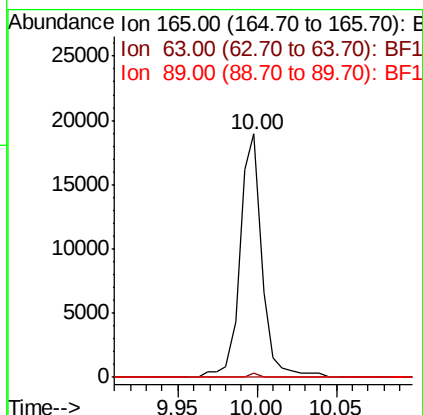
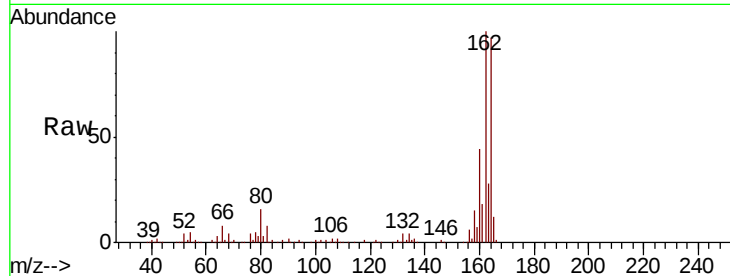




#51
 2,6-Dinitrotoluene
 Concen: 8.142 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. 0.22 min
 Lab File: BF110430.D
 Acq: 2 Nov 2018 23:42

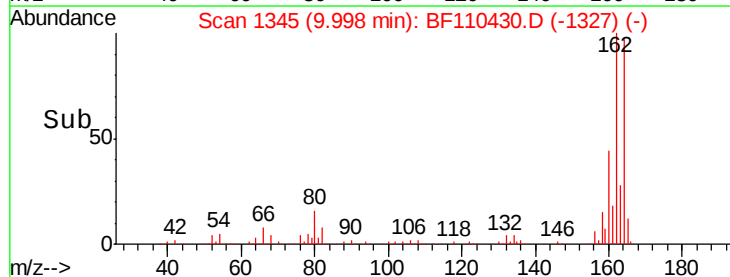
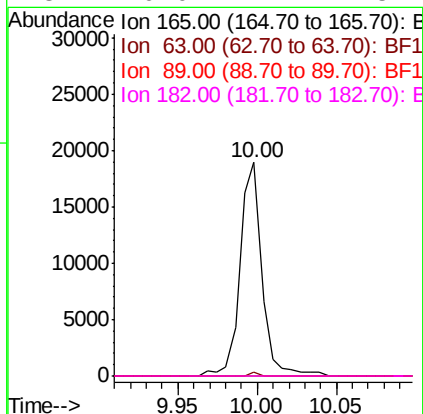
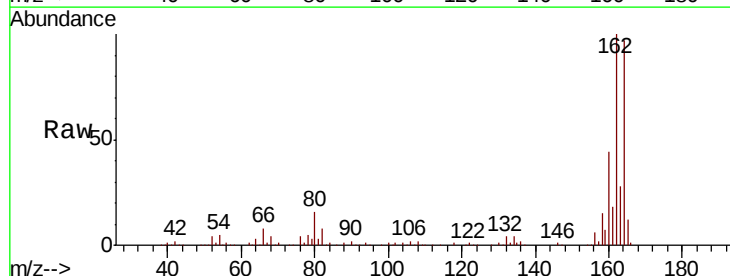
Instrument :
 BNA_F
 ClientSampleId :

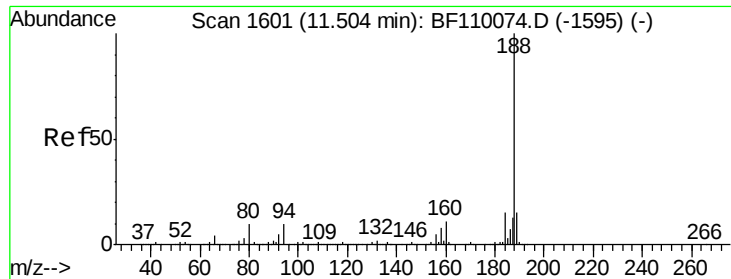
Tot Ion:165 Resp: 18174
 Ion Ratio Lower Upper
 165 100
 63 1.7 48.9 73.3#
 89 0.0 46.6 69.8#



#57
 2,4-Dinitrotoluene
 Concen: 6.410 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. -0.19 min
 Lab File: BF110430.D
 Acq: 2 Nov 2018 23:42

Tgt Ion:165 Resp: 18174
 Ion Ratio Lower Upper
 165 100
 63 1.7 44.8 67.2#
 89 0.0 62.2 93.4#
 182 0.0 2.1 3.1#

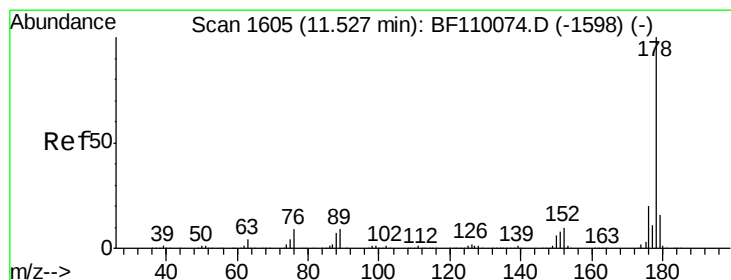
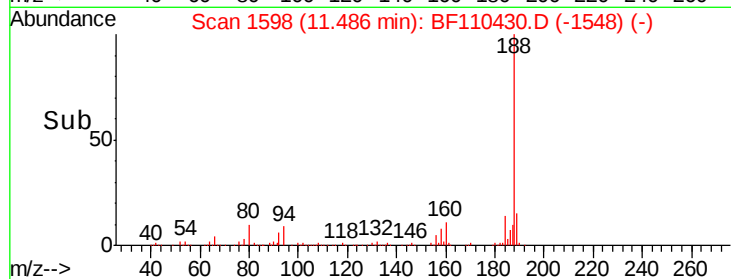
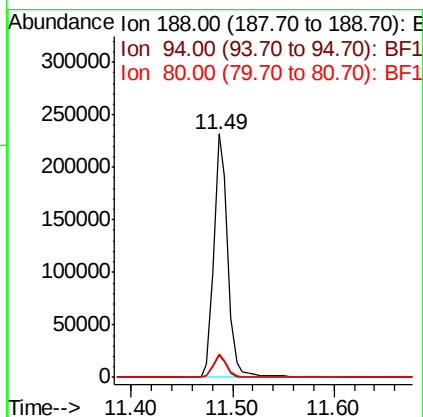
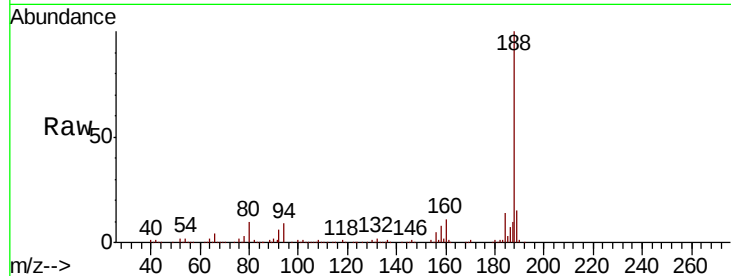




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF110430.D
Acq: 2 Nov 2018 23:42

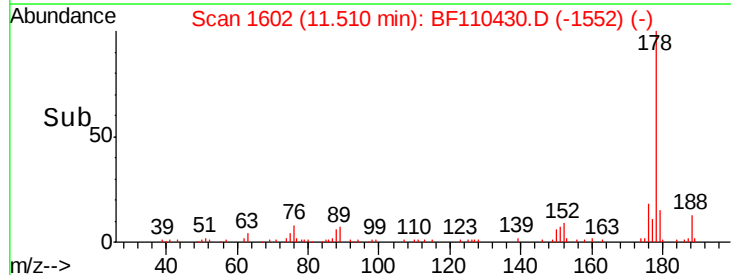
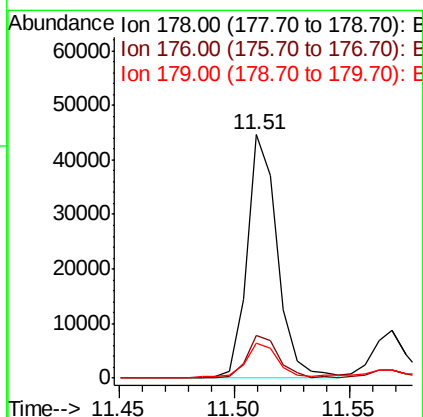
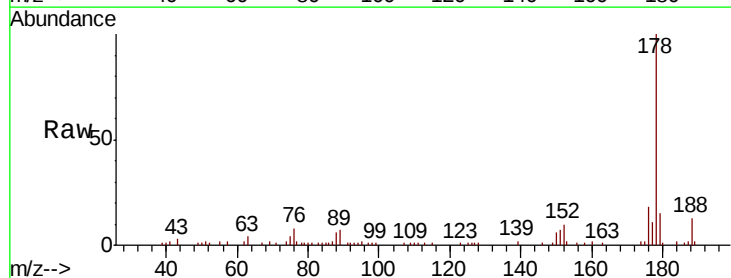
Instrument :
BNA_F
ClientSampleId :

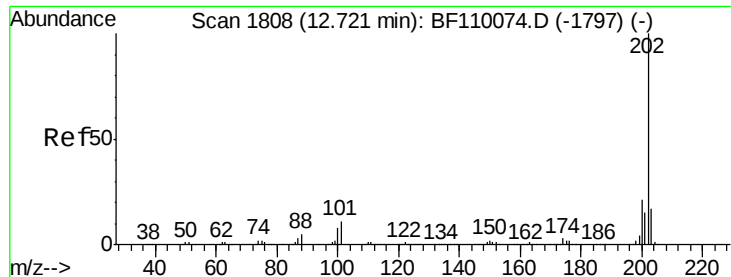
Tot Ion:188 Resp: 221429
Ion Ratio Lower Upper
188 100
94 9.1 7.2 10.8
80 9.6 7.9 11.9



#71
Phenanthrene
Concen: 3.551 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BF110430.D
Acq: 2 Nov 2018 23:42

Tgt Ion:178 Resp: 41144
Ion Ratio Lower Upper
178 100
176 17.7 15.5 23.3
179 14.6 12.5 18.7

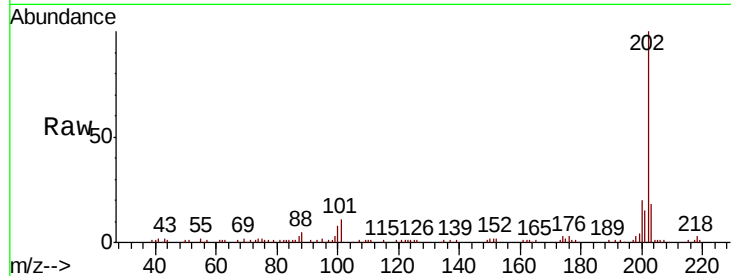




#75
Fluoranthene
Concen: 5.645 ng
RT: 12.70 min Scan# 1805
Delta R.T. -0.01 min
Lab File: BF110430.D
Acq: 2 Nov 2018 23:42

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.4
203	17.9	0.0	37.7

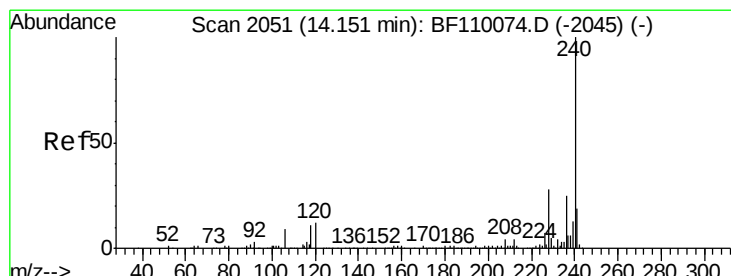
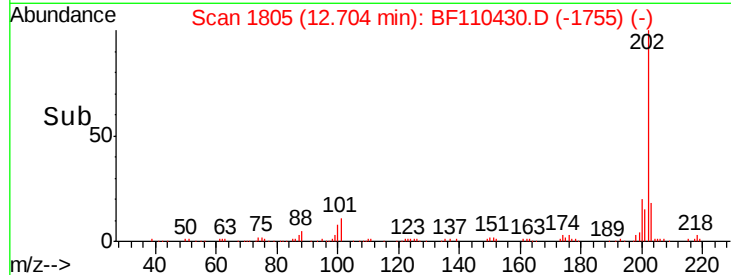
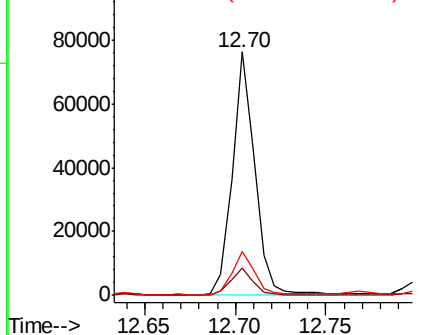


Abundance

Ion 202.00 (201.70 to 202.70): E

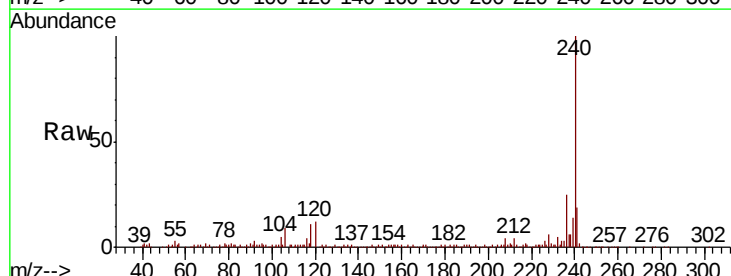
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF110430.D
Acq: 2 Nov 2018 23:42

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.0	8.3	12.5
236	25.2	21.2	31.8

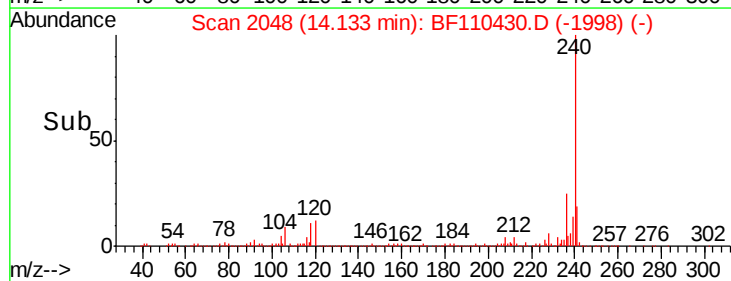
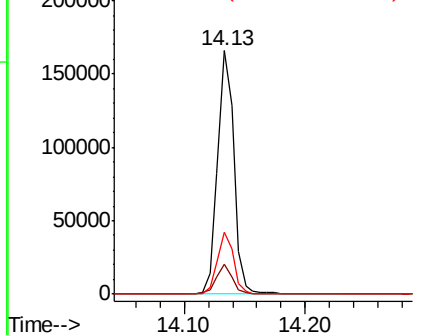


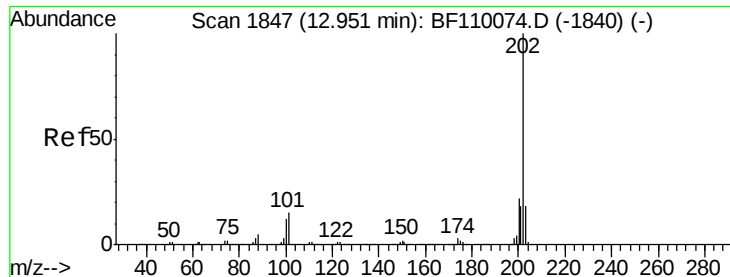
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 6.309 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BF110430.D

Acq: 2 Nov 2018 23:42

Instrument :

BNA_F

ClientSampleId :

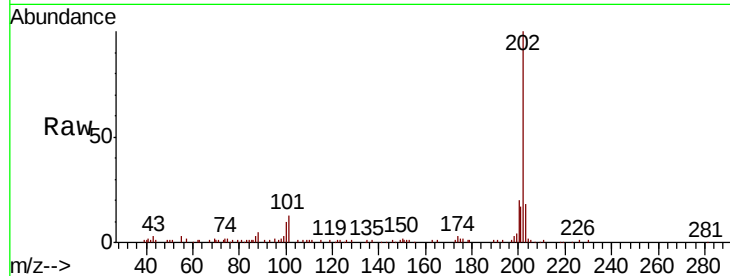
Tot Ion:202 Resp: 69719

Ion Ratio Lower Upper

202 100

200 20.5 17.8 26.6

203 17.6 14.2 21.4

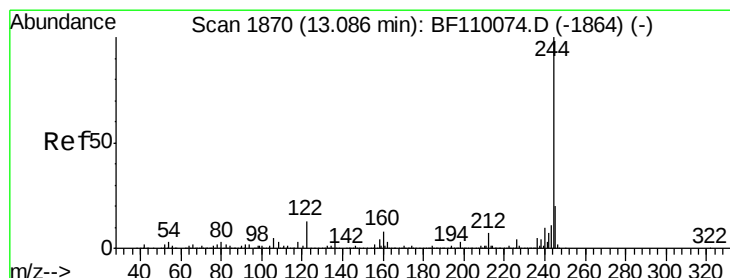
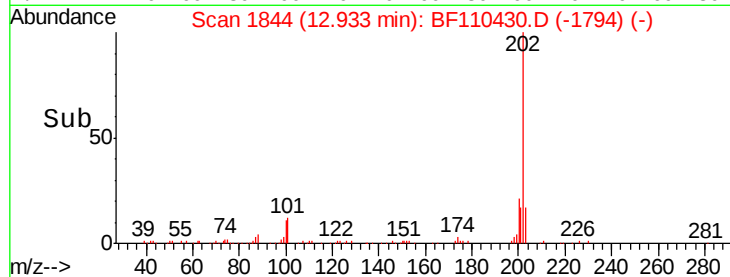
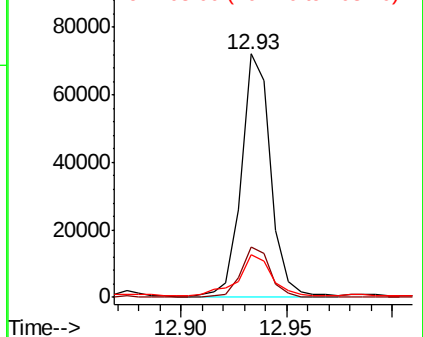


Abundance

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: 37.366 ng

RT: 13.07 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BF110430.D

Acq: 2 Nov 2018 23:42

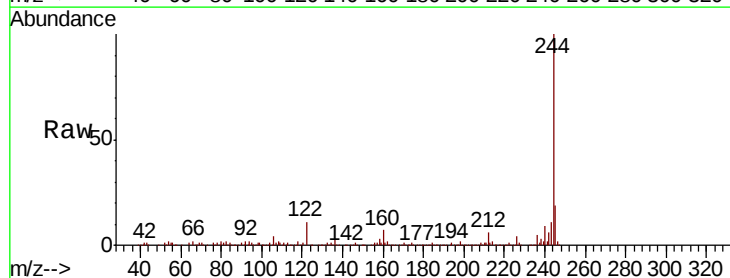
Tgt Ion:244 Resp: 276964

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.8

122 10.7 8.7 13.1

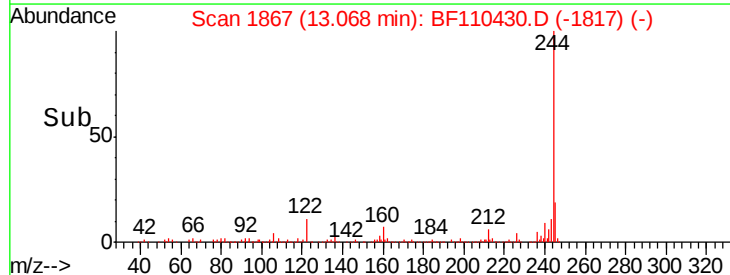
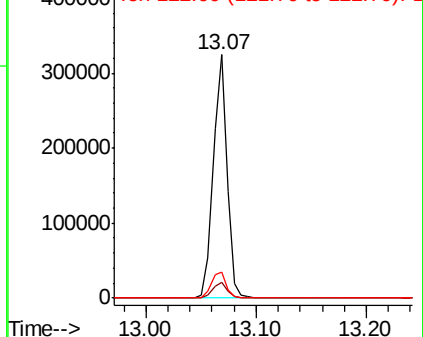


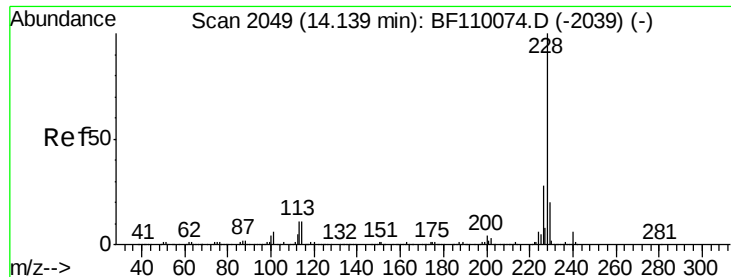
Abundance

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

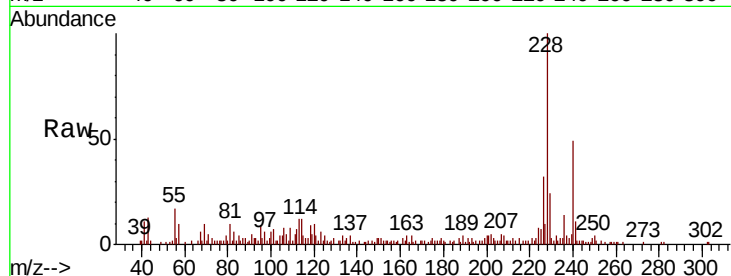




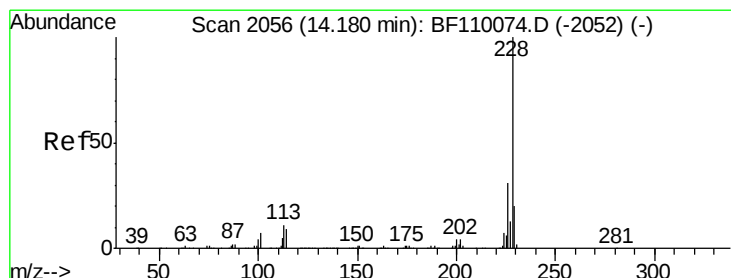
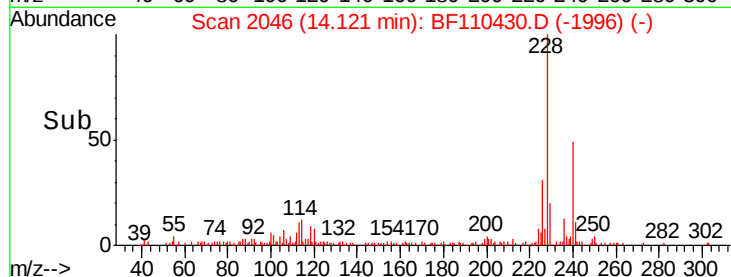
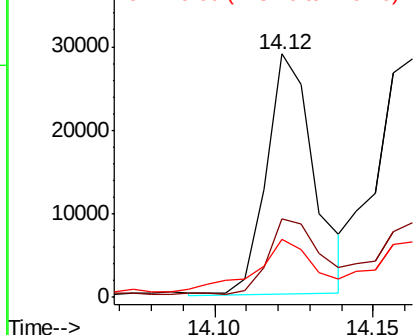
#81
Benzo(a)anthracene
Concen: 3.313 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF110430.D
Acq: 2 Nov 2018 23:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 30282
Ion Ratio Lower Upper
228 100
226 32.1 22.1 33.1
229 23.8 15.6 23.4#

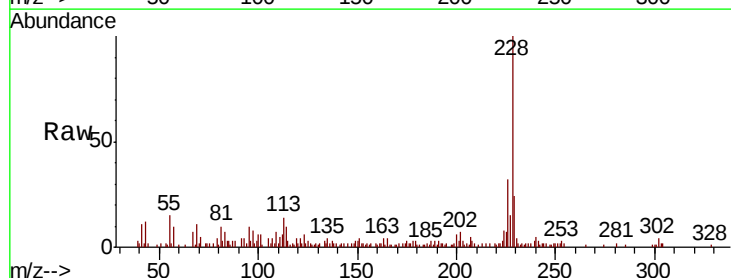


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

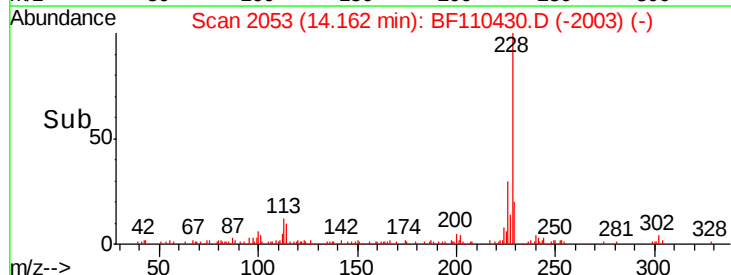
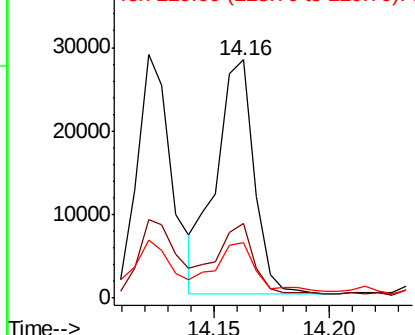


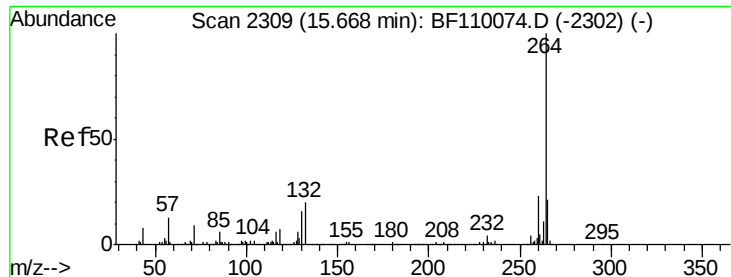
#83
Chrysene
Concen: 3.711 ng
RT: 14.16 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BF110430.D
Acq: 2 Nov 2018 23:42

Tgt Ion:228 Resp: 32218
Ion Ratio Lower Upper
228 100
226 31.6 24.7 37.1
229 23.5 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



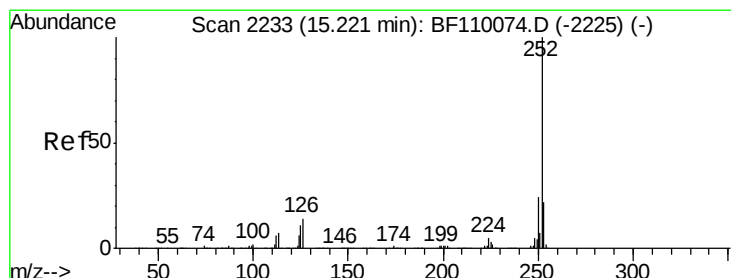
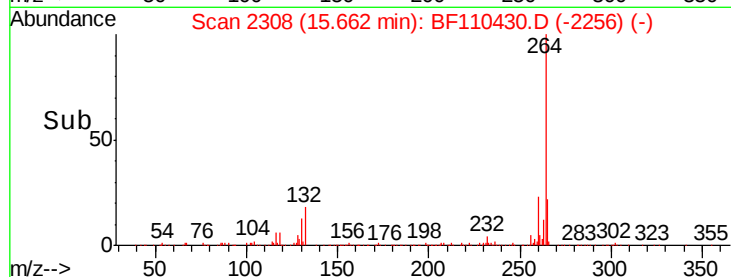
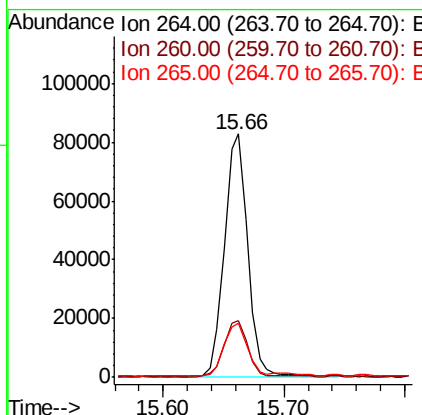
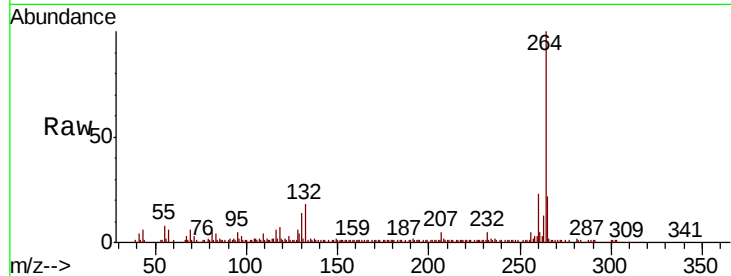


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2308
Delta R.T. 0.01 min
Lab File: BF110430.D
Acq: 2 Nov 2018 23:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 112012

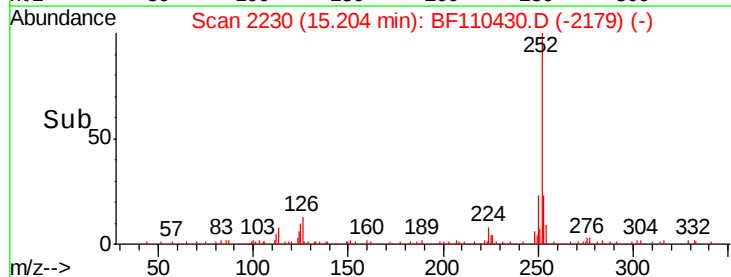
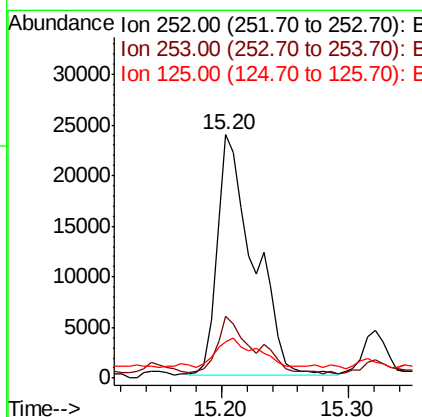
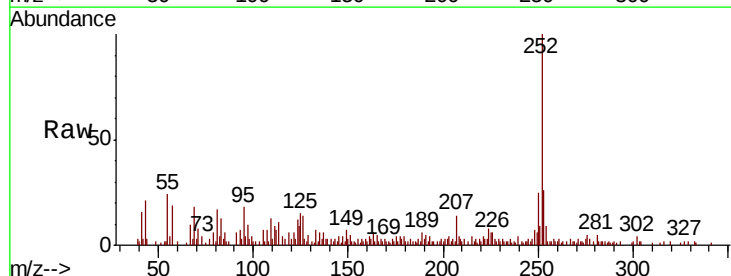
Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	22.1	16.7	25.1

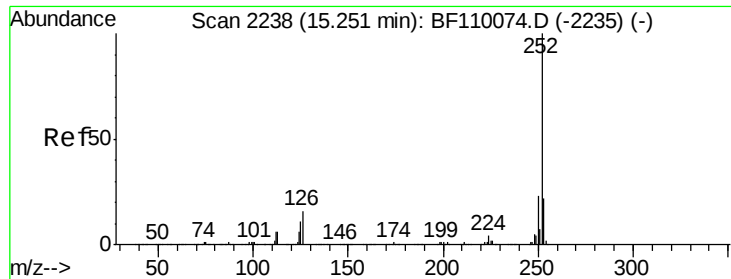


#88
Benzo(b)fluoranthene
Concen: 7.317 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.00 min
Lab File: BF110430.D
Acq: 2 Nov 2018 23:42

Tgt Ion:252 Resp: 47331

Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.2	25.8
125	14.6	8.2	12.4

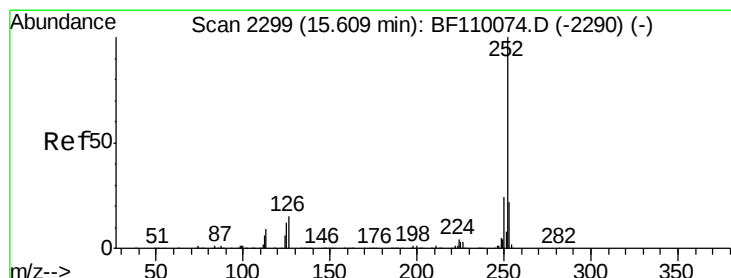
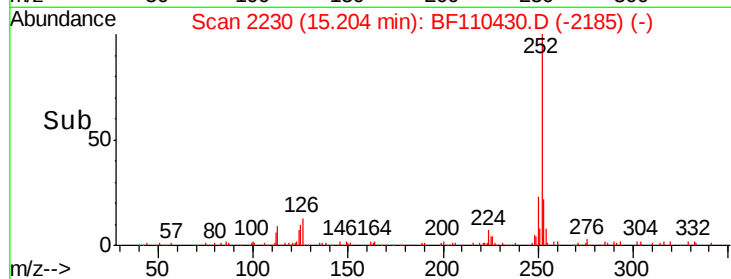
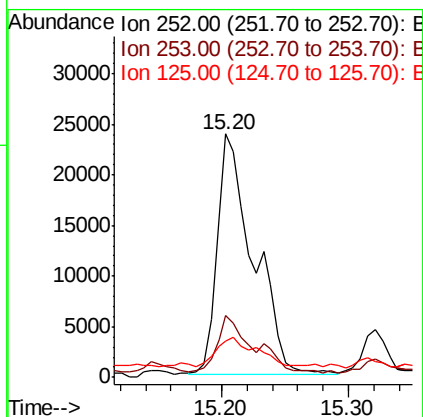
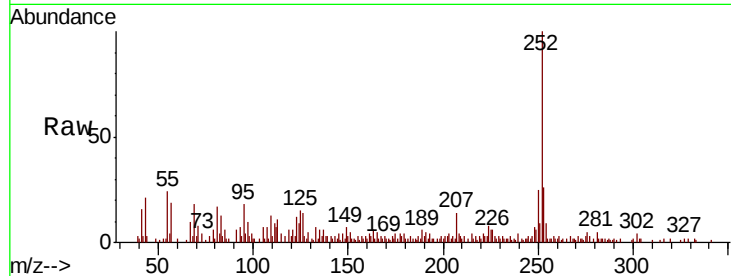




#89
Benzo(k)fluoranthene
Concen: 7.443 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110430.D
Acq: 2 Nov 2018 23:42

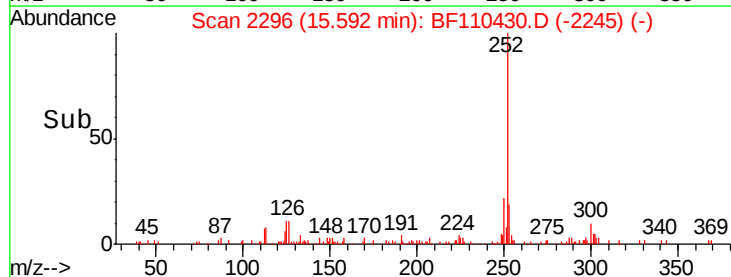
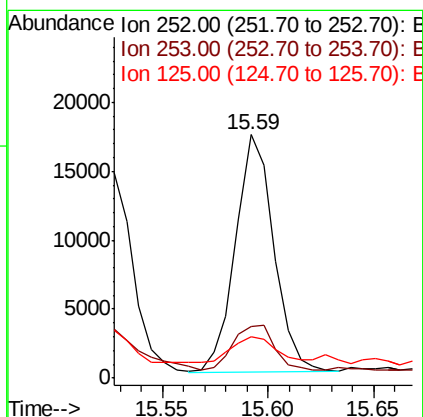
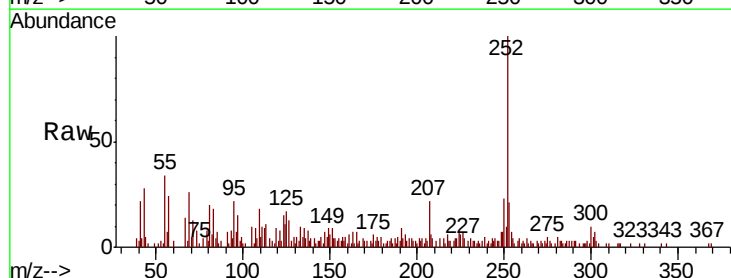
Instrument :
BNA_F
ClientSampleId :

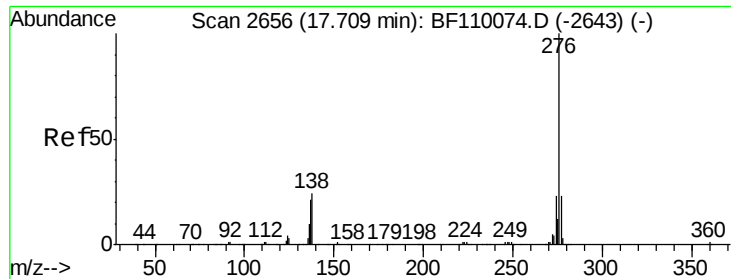
Tot Ion:252 Resp: 47331
Ion Ratio Lower Upper
252 100
253 25.6 17.2 25.8
125 14.6 7.4 11.0#



#90
Benzo(a)pyrene
Concen: 3.638 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.00 min
Lab File: BF110430.D
Acq: 2 Nov 2018 23:42

Tgt Ion:252 Resp: 21654
Ion Ratio Lower Upper
252 100
253 21.4 18.2 27.4
125 16.8 9.0 13.6#





#92
 Benzo(a,h,i)perylene
 Concen: 3.216 ng
 RT: 17.70 min Scan# 2655
 Delta R.T. -0.00 min
 Lab File: BF110430.D
 Acq: 2 Nov 2018 23:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.9	18.8	28.2
138	26.5	16.0	24.0

