

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
 Data File : BF110424.D
 Acq On : 2 Nov 2018 20:57
 Operator : JU/SJ
 Sample : J5767-05 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 03 00:52:17 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	87960	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	353314	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	141755	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	214044	20.00	ng	0.00
76) Chrysene-d12	14.13	240	171836	20.00	ng	0.00
87) Perylene-d12	15.66	264	127472	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	127748	23.65	ng	0.00
7) Phenol-d6	6.57	99	163375	23.65	ng	-0.01
23) Nitrobenzene-d5	7.52	82	95620	16.05	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	23083	16.44	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	171272	18.97	ng	0.00
79) Terphenyl-d14	13.06	244	114083	13.81	ng	-0.01

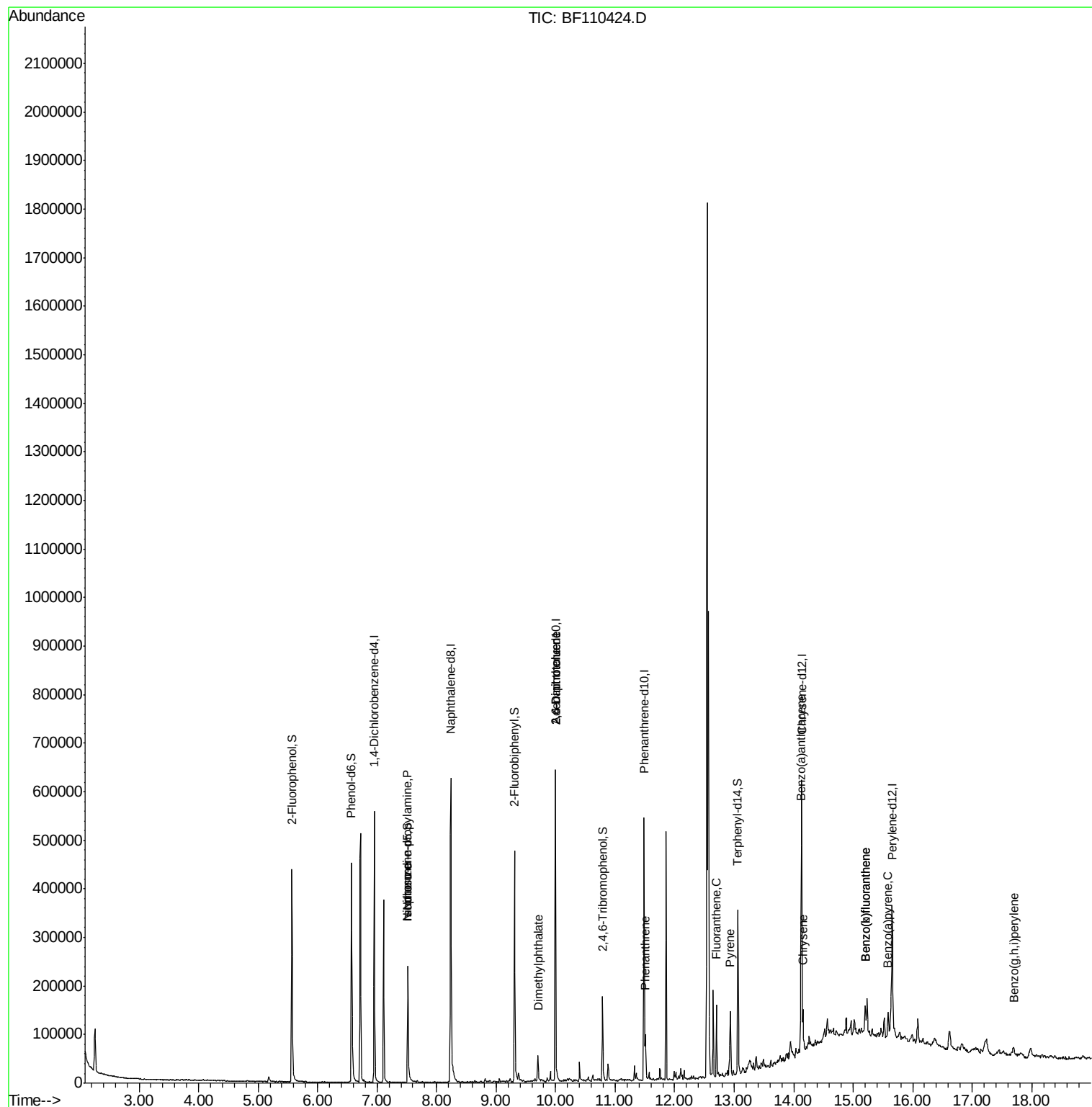
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.72	77	2943	Below Cal		# 82
19) n-Nitroso-di-n-propylamine	7.52	70	12225	2.758	ng	# 82
25) Isophorone	7.52	82	95618	9.417	ng	# 67
50) Dimethylphthalate	9.70	163	25931	2.478	ng	# 98
51) 2,6-Dinitrotoluene	9.99	165	18061	8.013	ng	# 21
57) 2,4-Dinitrotoluene	9.99	165	18061	6.308	ng	# 17
71) Phenanthrene	11.51	178	31355	2.800	ng	# 97
75) Fluoranthene	12.70	202	55982	4.925	ng	# 99
77) Benzidine	13.06	184	1541	Below Cal		# 76
78) Pyrene	12.93	202	53582	4.349	ng	# 97
81) Benzo(a)anthracene	14.12	228	32543	3.194	ng	# 96
83) Chrysene	14.16	228	29367	3.034	ng	# 96
88) Benzo(b)fluoranthene	15.20	252	42595	5.787	ng	# 90
89) Benzo(k)fluoranthene	15.20	252	42595	5.886	ng	# 89
90) Benzo(a)pyrene	15.59	252	21435	3.165	ng	# 91
92) Benzo(g,h,i)perylene	17.69	276	12710	2.207	ng	# 92

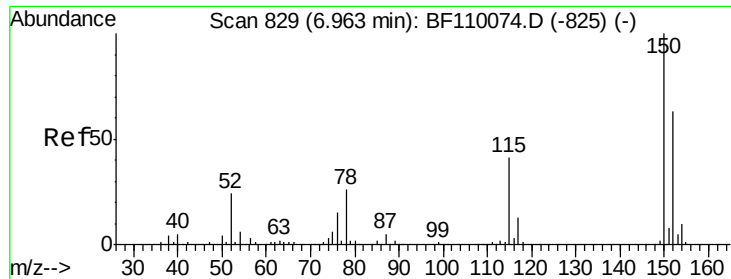
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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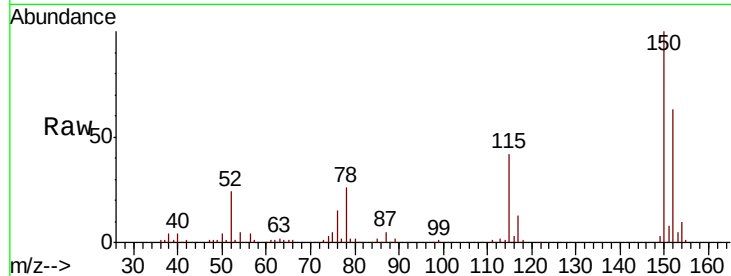


#1

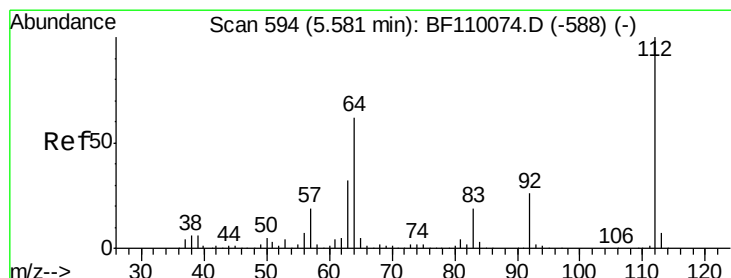
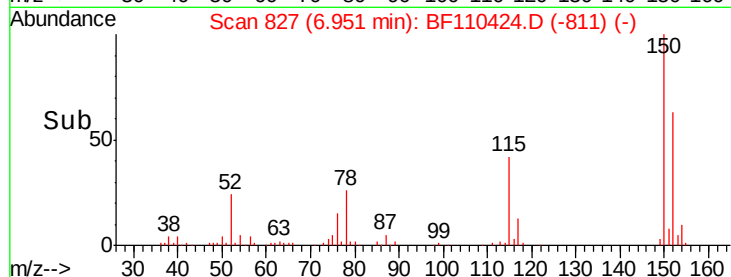
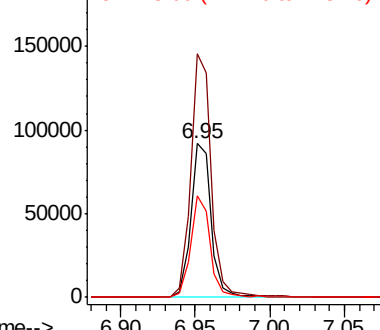
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF110424.D
Acq: 2 Nov 2018 20:57

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 87960
Ion Ratio Lower Upper
152 100
150 158.6 122.7 184.1
115 66.0 49.1 73.7



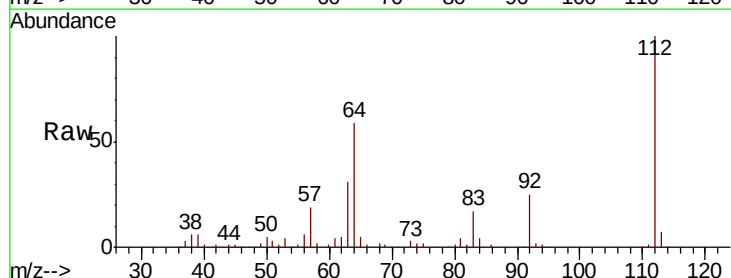
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



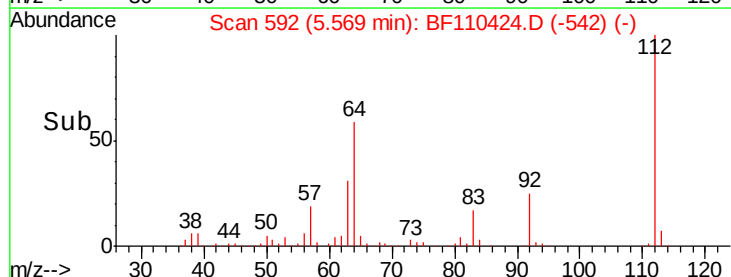
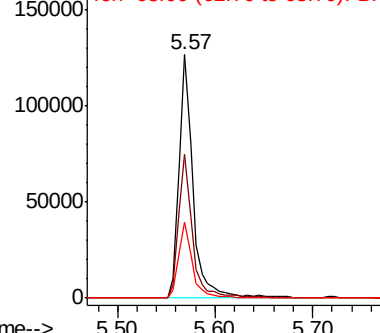
#5

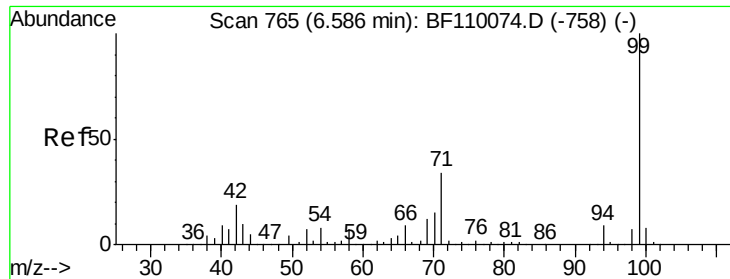
2-Fluorophenol
Concen: 23.651 ng
RT: 5.57 min Scan# 592
Delta R.T. -0.01 min
Lab File: BF110424.D
Acq: 2 Nov 2018 20:57

Tgt Ion:112 Resp: 127748
Ion Ratio Lower Upper
112 100
64 59.0 44.1 66.1
63 31.4 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: 23.647 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110424.D

Acq: 2 Nov 2018 20:57

Instrument :

BNA_F

ClientSampleId :

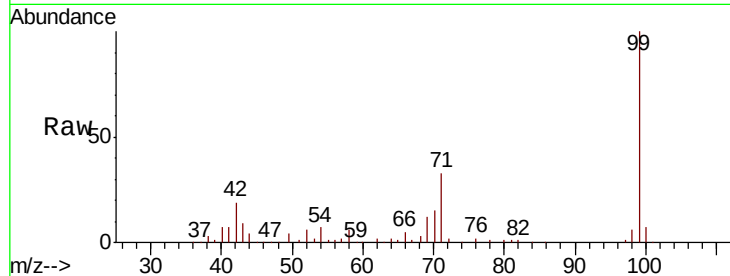
Tot Ion: 99 Resp: 163375

Ion Ratio Lower Upper

99 100

42 18.9 15.8 23.6

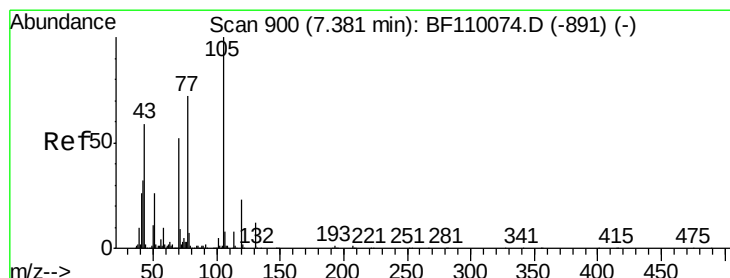
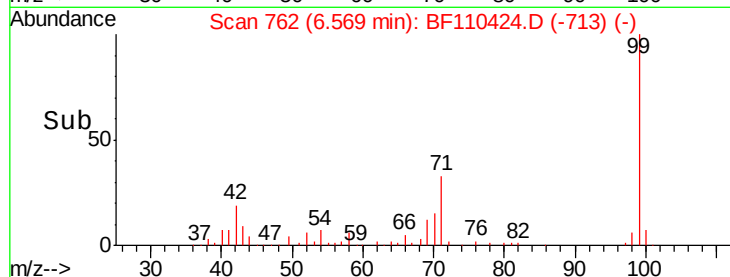
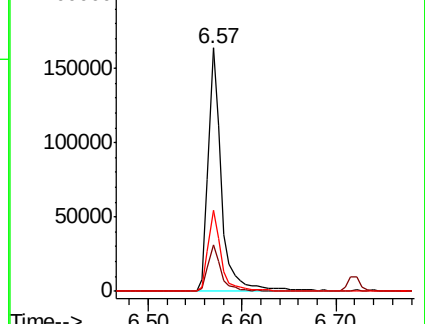
71 33.4 28.0 42.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.758 ng

RT: 7.52 min Scan# 923

Delta R.T. 0.15 min

Lab File: BF110424.D

Acq: 2 Nov 2018 20:57

Tgt Ion: 70 Resp: 12225

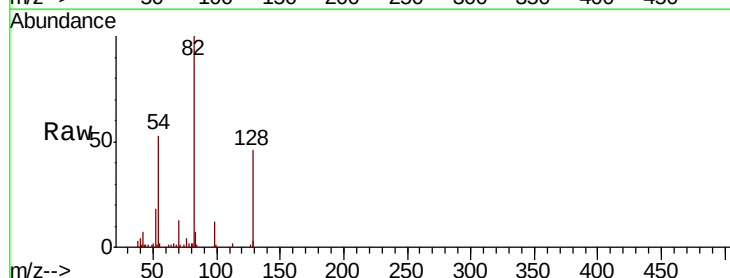
Ion Ratio Lower Upper

70 100

42 53.5 47.4 71.2

101 0.0 7.3 10.9#

130 0.0 16.2 24.2#

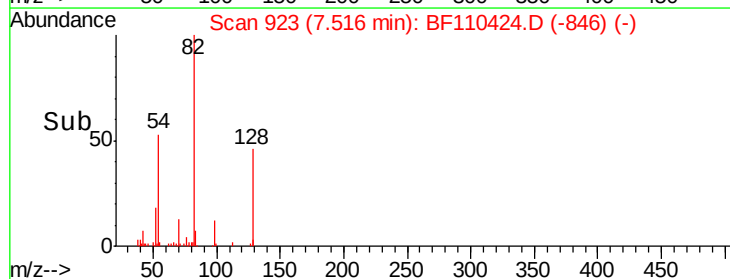
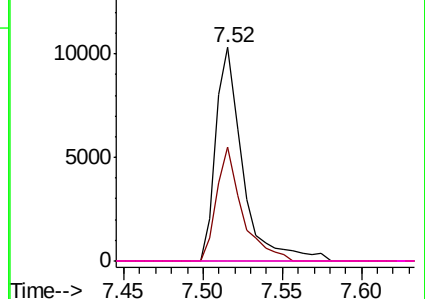


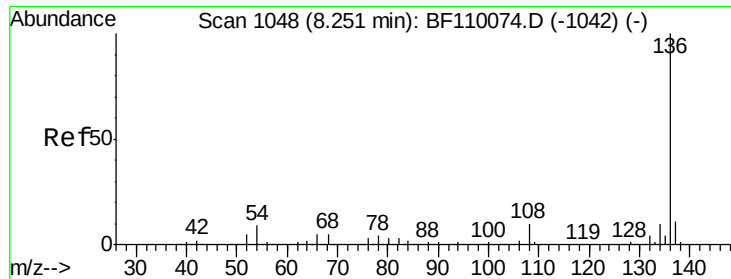
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

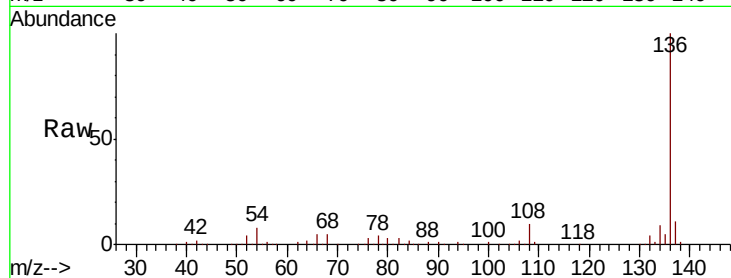




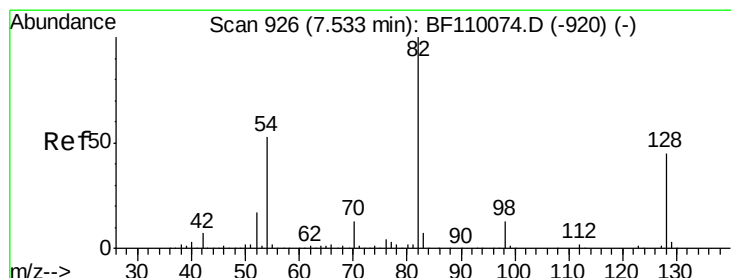
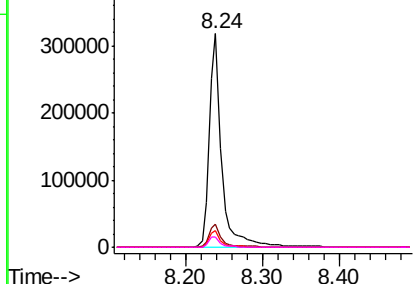
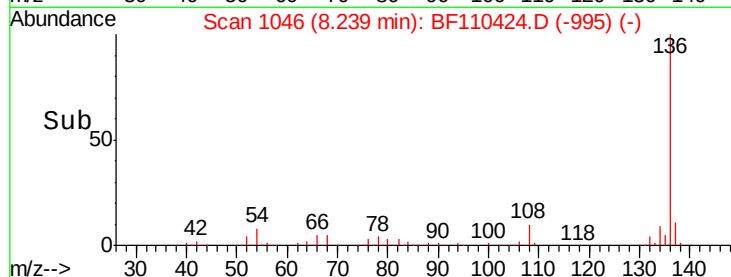
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BF110424.D
Acq: 2 Nov 2018 20:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 353314
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.7 5.4 8.2
68 5.0 4.2 6.2

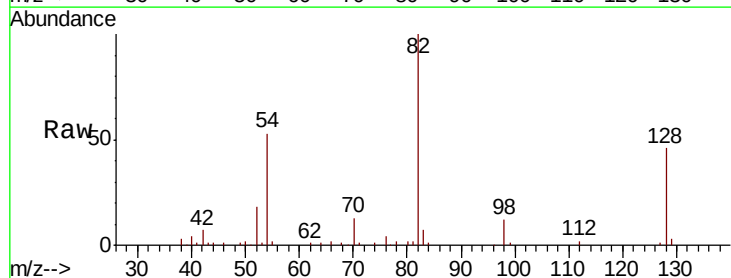


Abundance Ion 136.00 (135.70 to 136.70): E
500000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

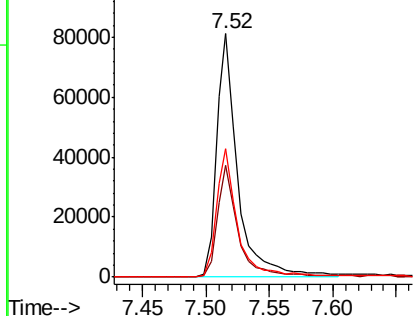
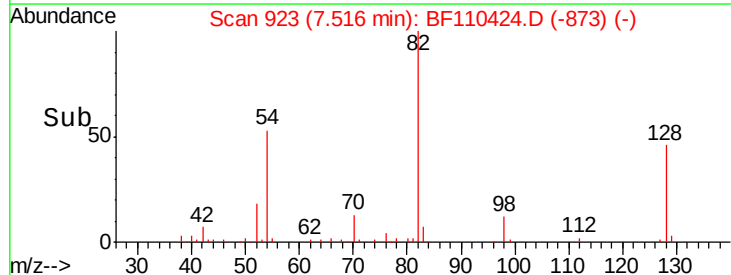


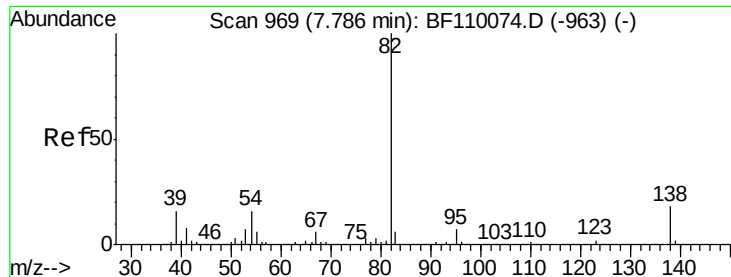
#23
Nitrobenzene-d5
Concen: 16.052 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF110424.D
Acq: 2 Nov 2018 20:57

Tgt Ion: 82 Resp: 95620
Ion Ratio Lower Upper
82 100
128 45.8 34.2 51.2
54 52.7 38.6 58.0



Abundance Ion 82.00 (81.70 to 82.70): BF1
100000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 9.417 ng

RT: 7.52 min Scan# 923

Delta R.T. -0.26 min

Lab File: BF110424.D

Acq: 2 Nov 2018 20:57

Instrument :

BNA_F

ClientSampled :

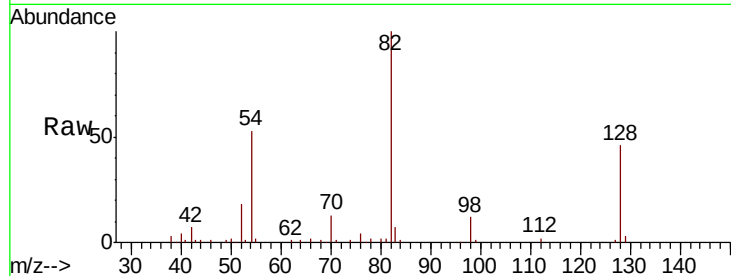
Tot Ion: 82 Resp: 95618

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

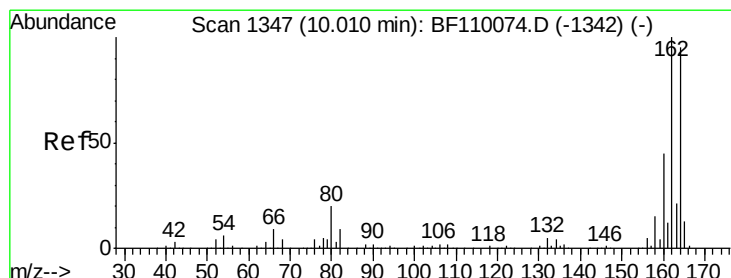
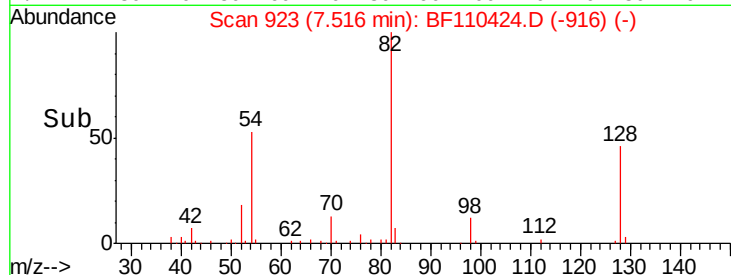
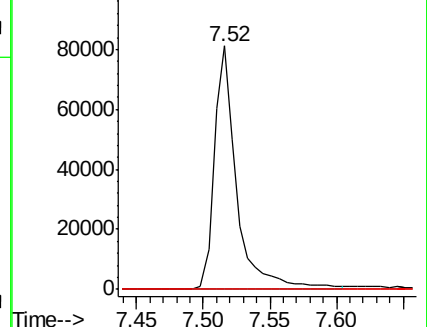
138 0.0 13.2 19.8#



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: BF110424.D

Acq: 2 Nov 2018 20:57

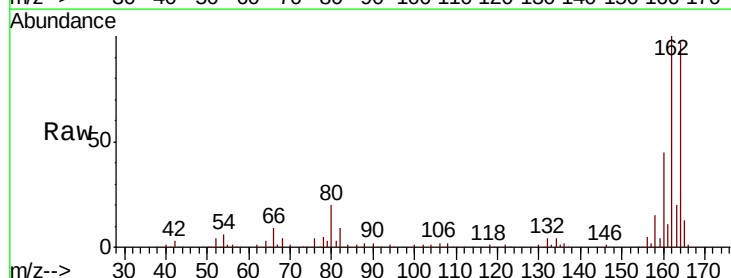
Tgt Ion: 164 Resp: 141755

Ion Ratio Lower Upper

164 100

162 102.8 83.0 124.6

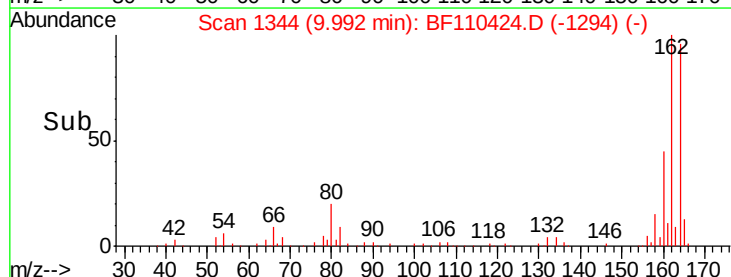
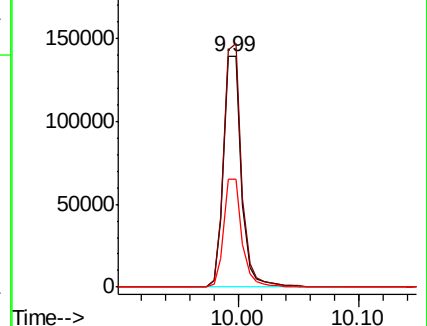
160 46.6 37.0 55.6

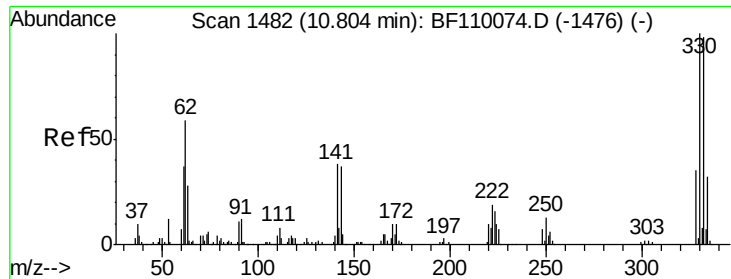


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 16.439 ng

RT: 10.79 min Scan# 1480

Delta R.T. -0.00 min

Lab File: BF110424.D

Acq: 2 Nov 2018 20:57

Instrument :

BNA_F

ClientSampled :

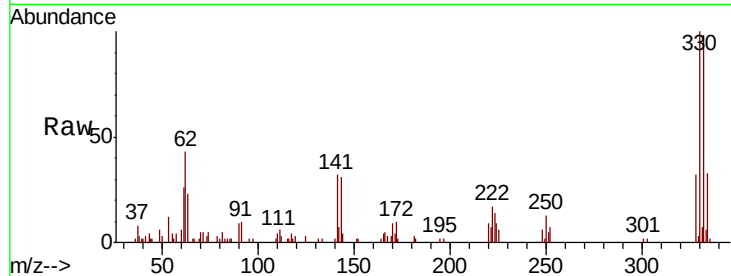
Tot Ion:330 Resp: 23083

Ion Ratio Lower Upper

330 100

332 97.6 77.1 115.7

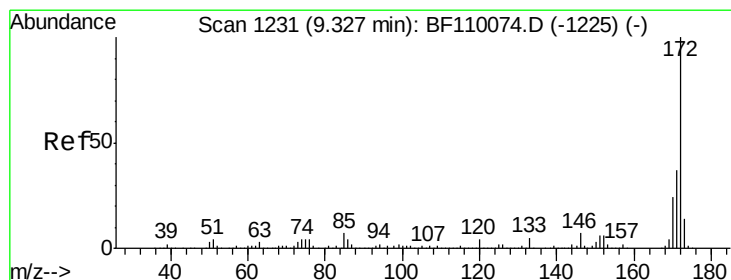
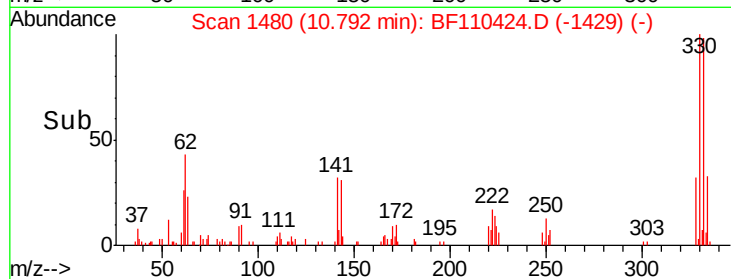
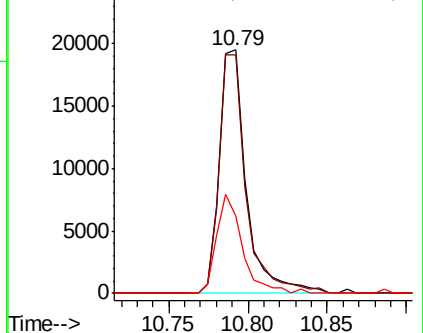
141 38.7 27.0 40.4



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: 18.972 ng

RT: 9.31 min Scan# 1228

Delta R.T. -0.01 min

Lab File: BF110424.D

Acq: 2 Nov 2018 20:57

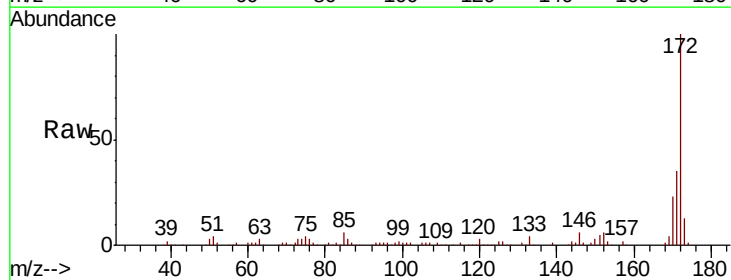
Tgt Ion:172 Resp: 171272

Ion Ratio Lower Upper

172 100

171 34.9 28.6 43.0

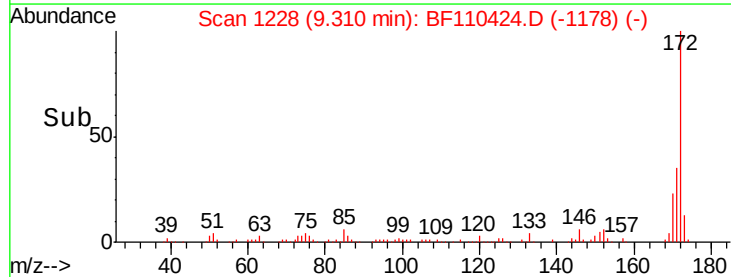
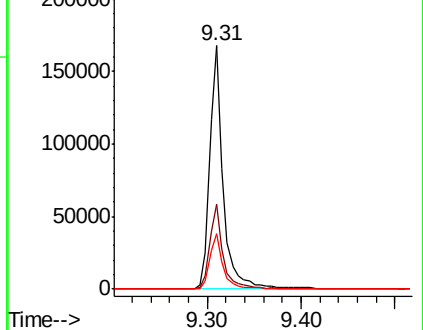
170 22.7 19.7 29.5

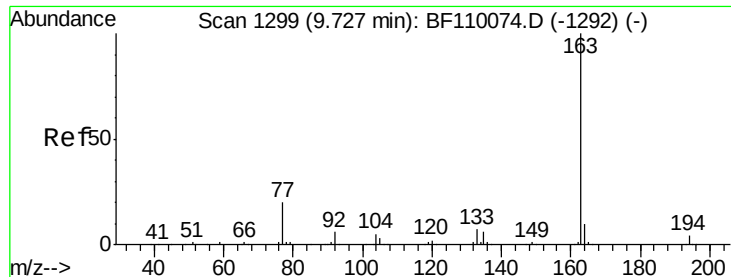


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 2.478 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF110424.D

Acq: 2 Nov 2018 20:57

Instrument :

BNA_F

ClientSampled :

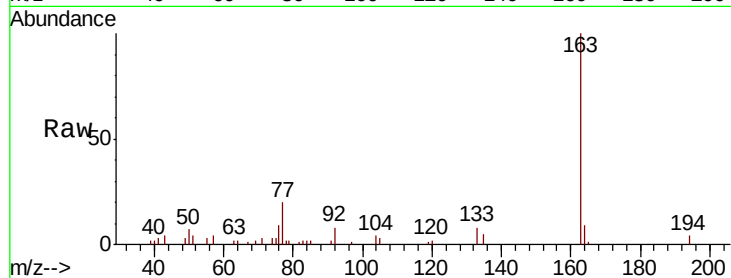
Tot Ion:163 Resp: 25931

Ion Ratio Lower Upper

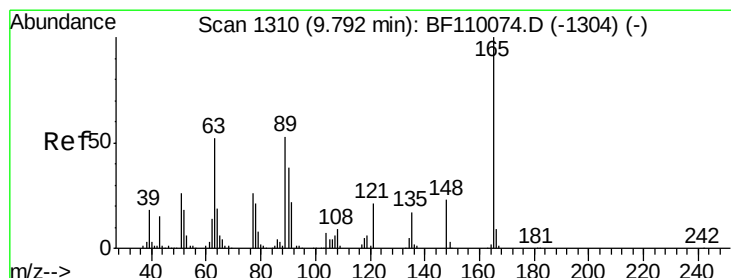
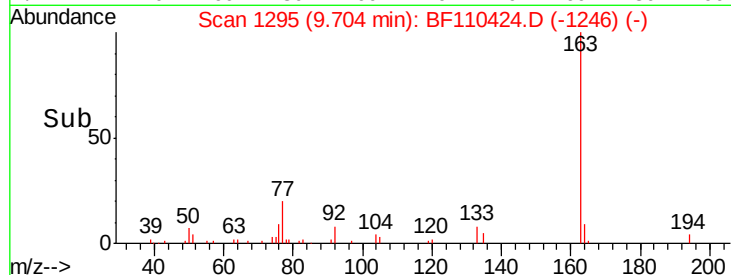
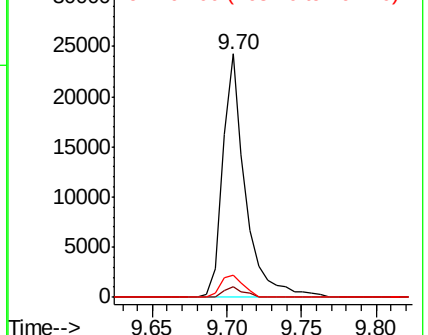
163 100

194 4.1 3.2 4.8

164 9.2 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: 8.013 ng

RT: 9.99 min Scan# 1344

Delta R.T. 0.21 min

Lab File: BF110424.D

Acq: 2 Nov 2018 20:57

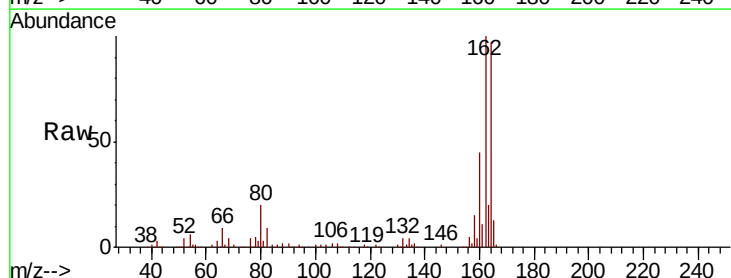
Tgt Ion:165 Resp: 18061

Ion Ratio Lower Upper

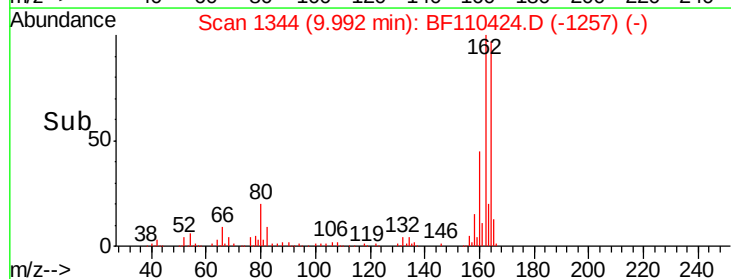
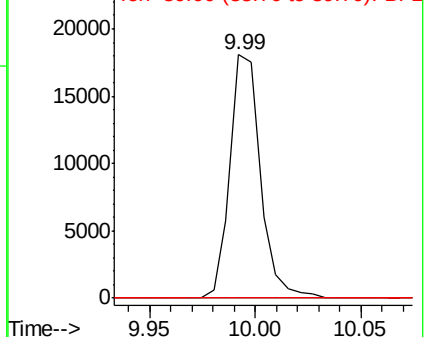
165 100

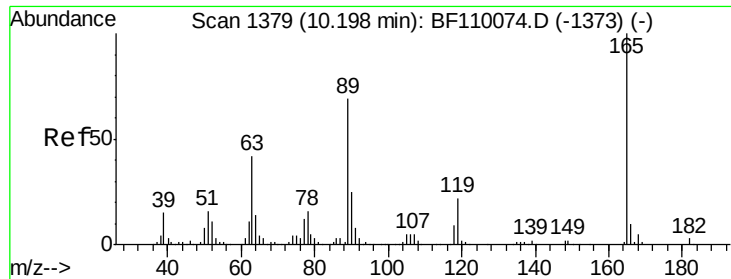
63 0.0 48.9 73.3#

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





#57

2,4-Dinitrotoluene

Concen: 6.308 ng

RT: 9.99 min Scan# 1344

Delta R.T. -0.20 min

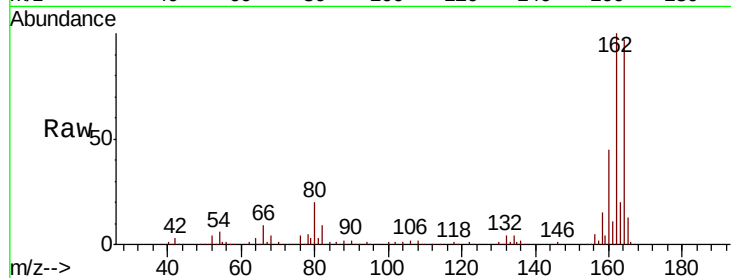
Lab File: BF110424.D

Acq: 2 Nov 2018 20:57

Instrument :

BNA_F

ClientSampled :



Tot Ion:165 Resp: 18061

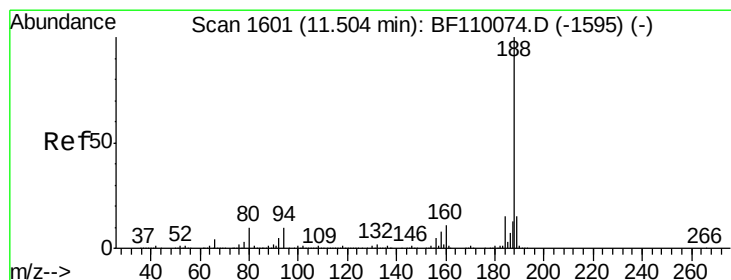
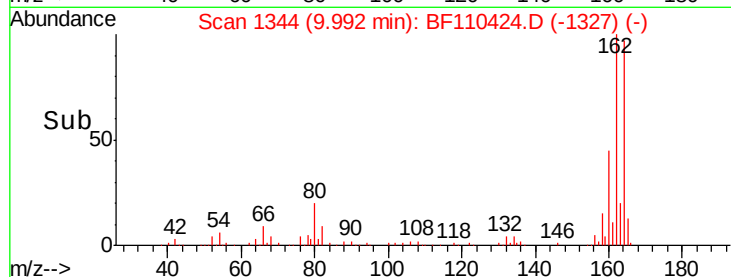
Ion Ratio Lower Upper

165 100

63 0.0 44.8 67.2#

89 0.0 62.2 93.4#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF110424.D

Acq: 2 Nov 2018 20:57

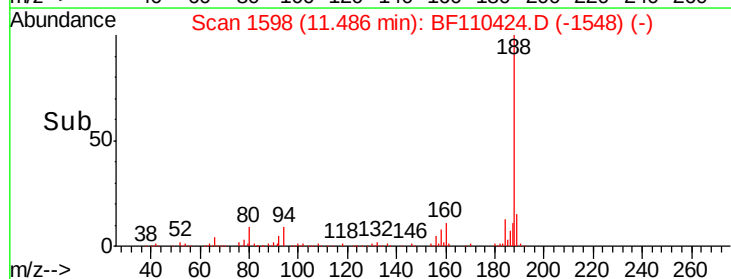
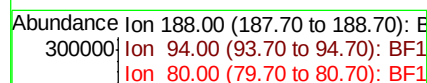
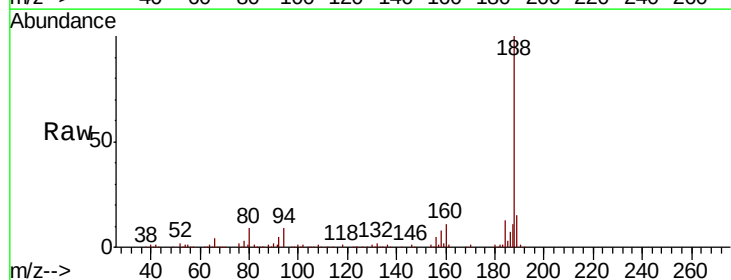
Tgt Ion:188 Resp: 214044

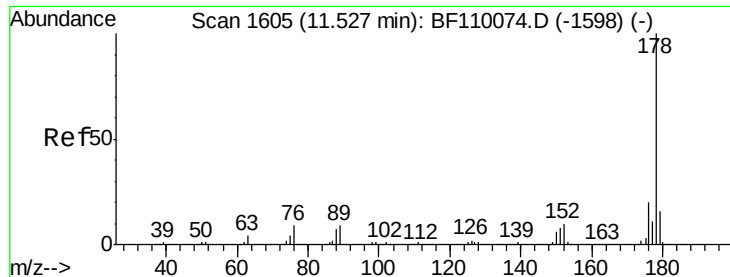
Ion Ratio Lower Upper

188 100

94 8.6 7.2 10.8

80 9.3 7.9 11.9





#71

Phenanthrene

Concen: 2.800 ng

RT: 11.51 min Scan# 1602

Delta R.T. -0.01 min

Lab File: BF110424.D

Acq: 2 Nov 2018 20:57

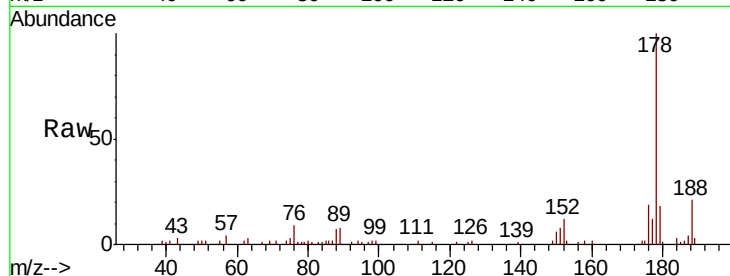
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 31355

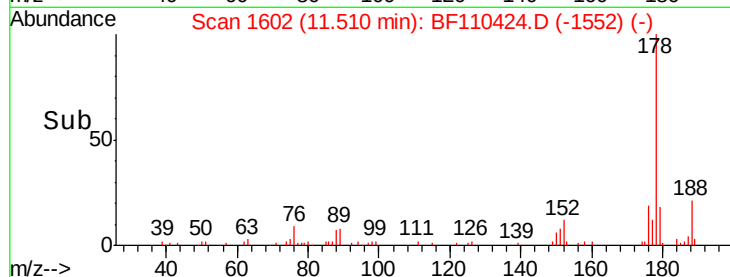
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.5	23.3
179	18.2	12.5	18.7



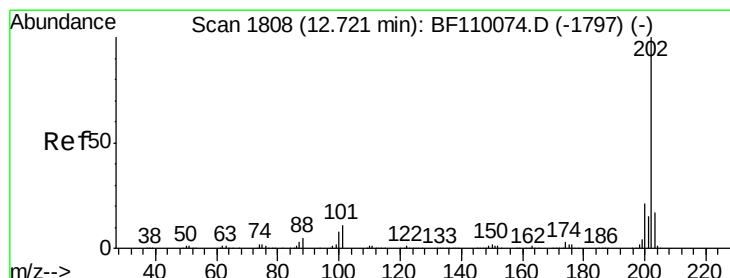
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#75

Fluoranthene

Concen: 4.925 ng

RT: 12.70 min Scan# 1805

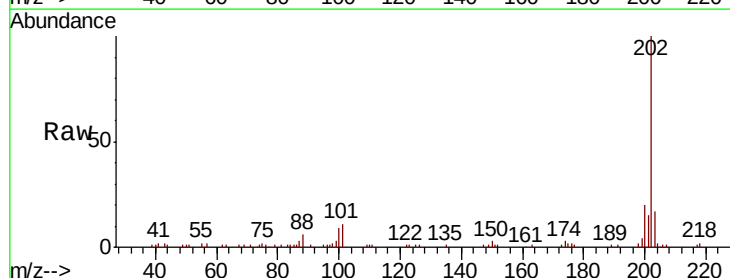
Delta R.T. -0.01 min

Lab File: BF110424.D

Acq: 2 Nov 2018 20:57

Tgt Ion:202 Resp: 55982

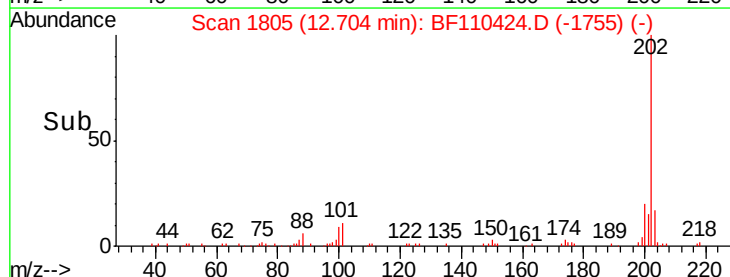
Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.4
203	17.3	0.0	37.7



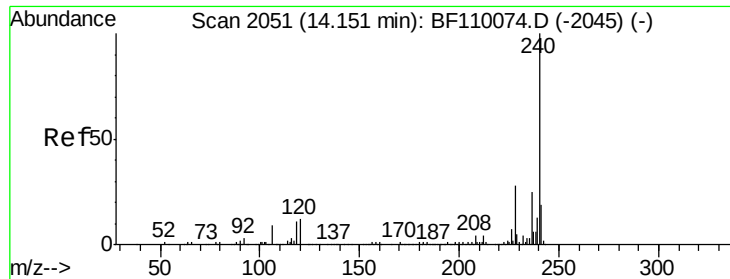
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



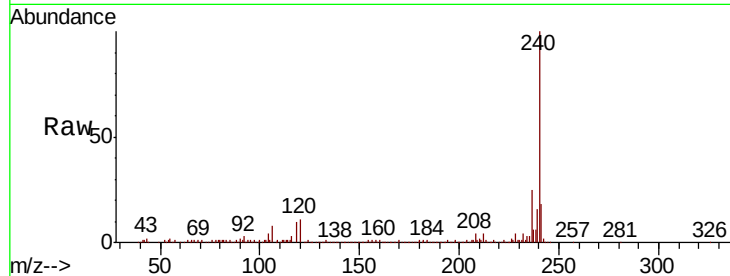
Time-->



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF110424.D
Acq: 2 Nov 2018 20:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.3	12.5
236	25.3	21.2	31.8

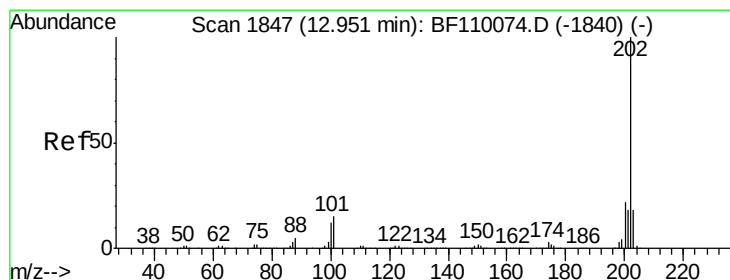
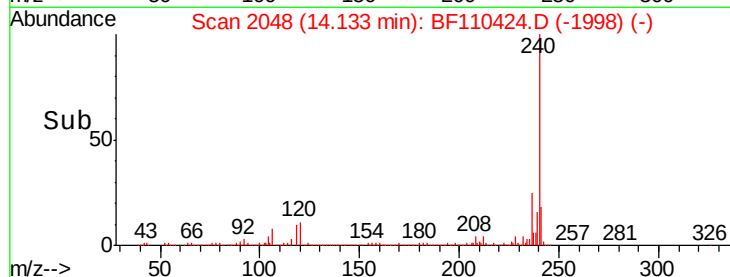
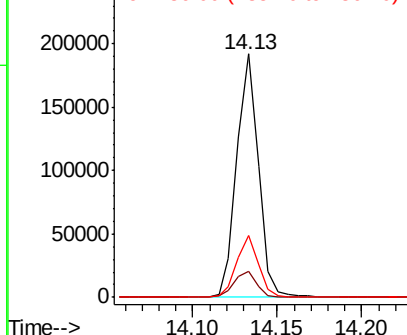


Abundance

Ion 240.00 (239.70 to 240.70): E

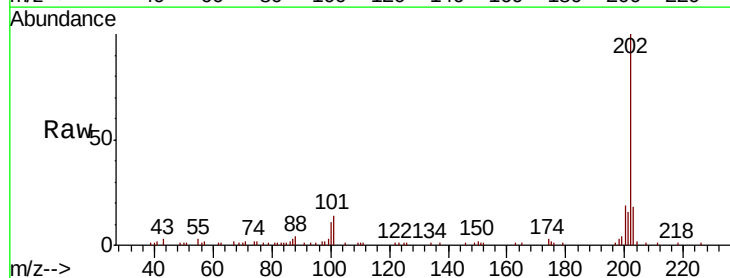
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 4.349 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BF110424.D
Acq: 2 Nov 2018 20:57

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.3	17.8	26.6
203	17.7	14.2	21.4

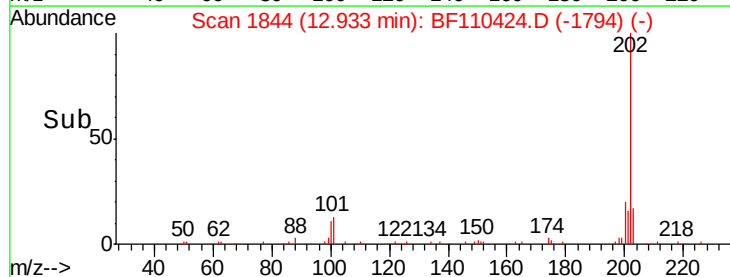
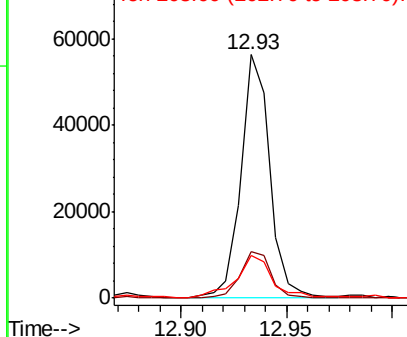


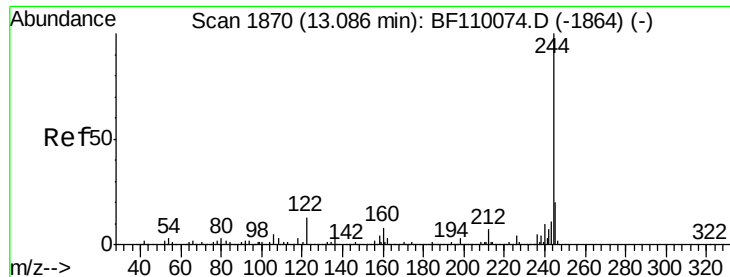
Abundance

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: 13.807 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110424.D

Acq: 2 Nov 2018 20:57

Instrument :

BNA_F

ClientSampleId :

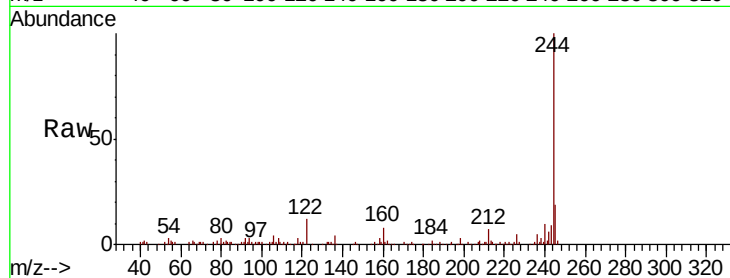
Tot Ion:244 Resp: 114083

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

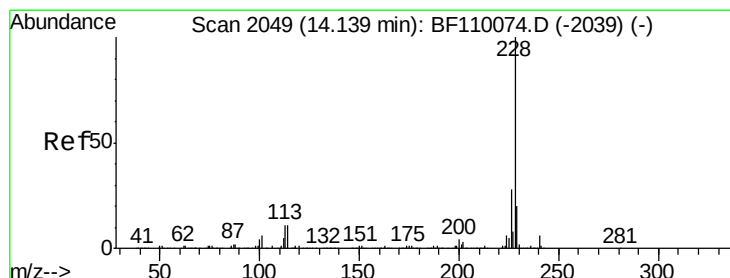
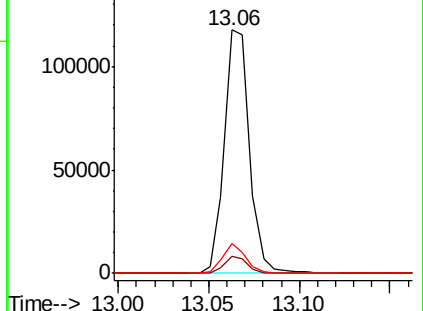
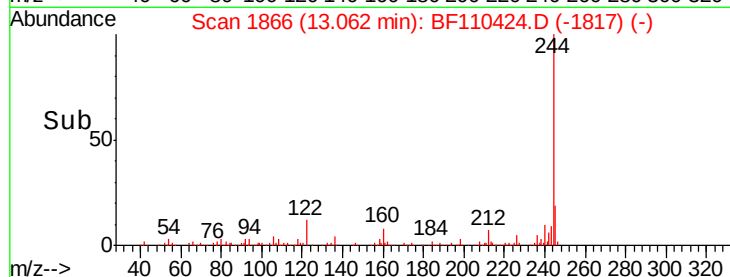
122 12.4 8.7 13.1



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: 3.194 ng

RT: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BF110424.D

Acq: 2 Nov 2018 20:57

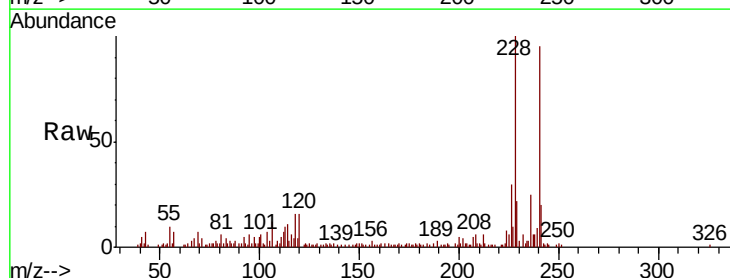
Tgt Ion:228 Resp: 32543

Ion Ratio Lower Upper

228 100

226 29.9 22.1 33.1

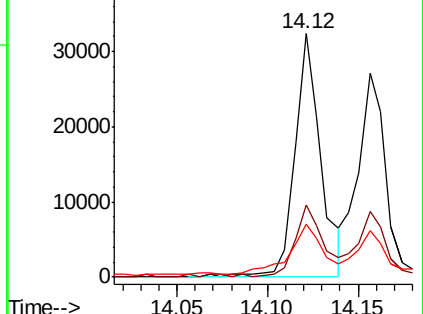
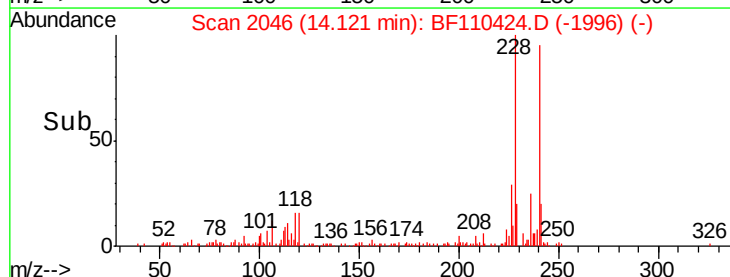
229 21.5 15.6 23.4

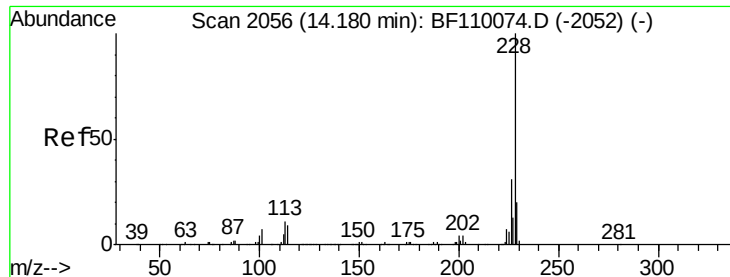


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.034 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF110424.D

Acq: 2 Nov 2018 20:57

Instrument :

BNA_F

ClientSampled :

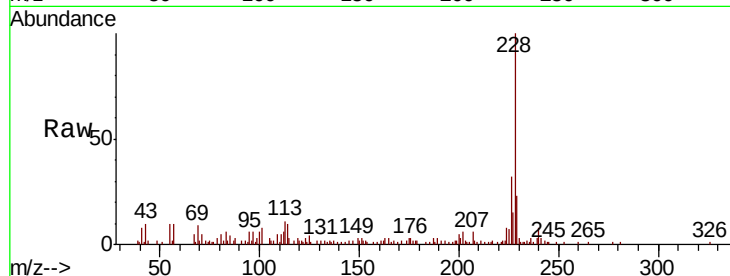
Tot Ion:228 Resp: 29367

Ion Ratio Lower Upper

228 100

226 32.1 24.7 37.1

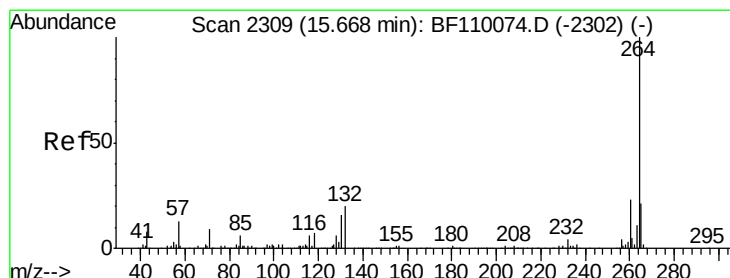
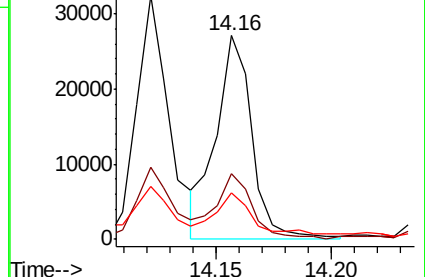
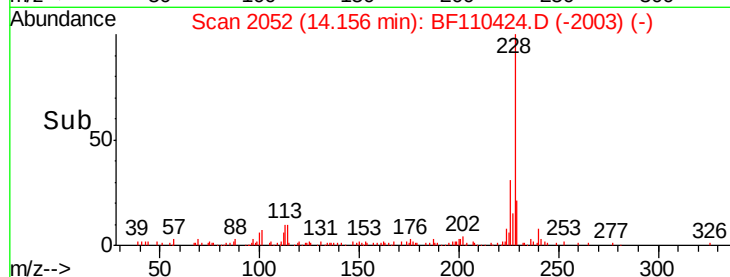
229 23.1 15.9 23.9



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

Perylene-d12

Concen: 20.000 ng

RT: 15.66 min Scan# 2307

Delta R.T. -0.00 min

Lab File: BF110424.D

Acq: 2 Nov 2018 20:57

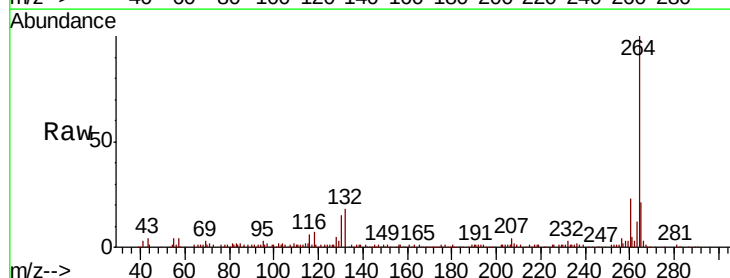
Tgt Ion:264 Resp: 127472

Ion Ratio Lower Upper

264 100

260 22.8 18.7 28.1

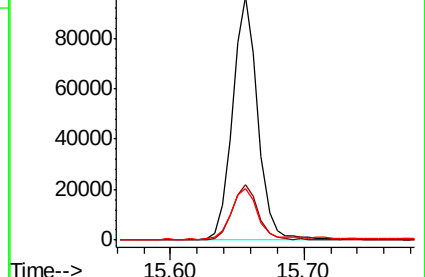
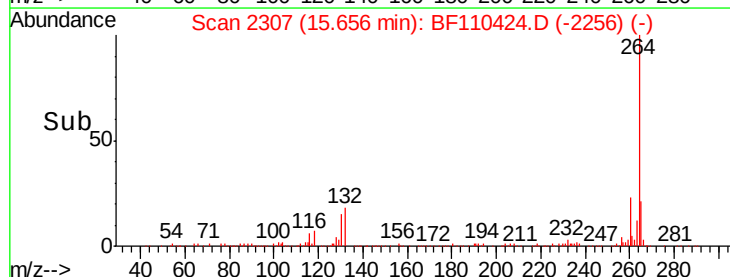
265 21.2 16.7 25.1

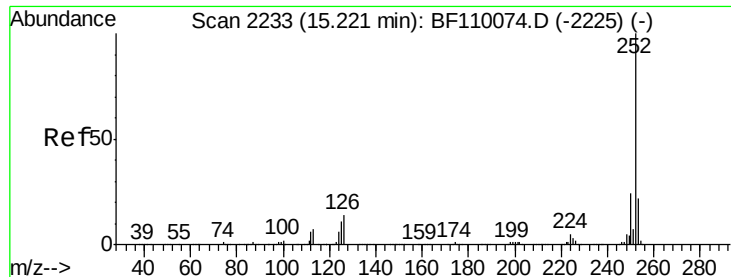


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

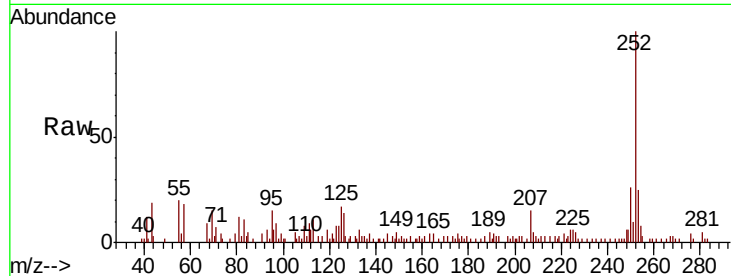




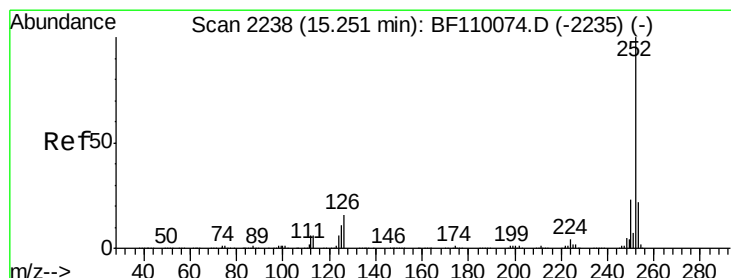
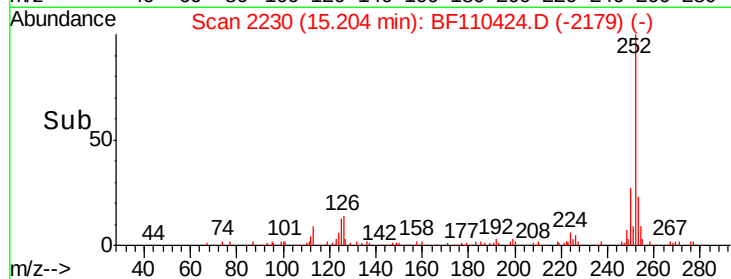
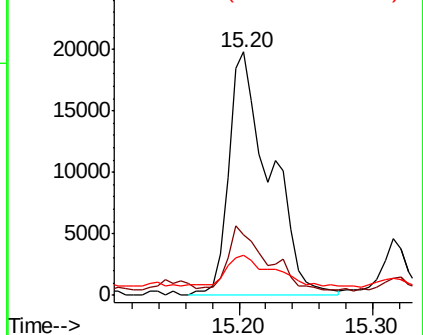
#88
Benzo(b)fluoranthene
Concen: 5.787 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.00 min
Lab File: BF110424.D
Acq: 2 Nov 2018 20:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 42595
Ion Ratio Lower Upper
252 100
253 24.9 17.2 25.8
125 16.7 8.2 12.4#

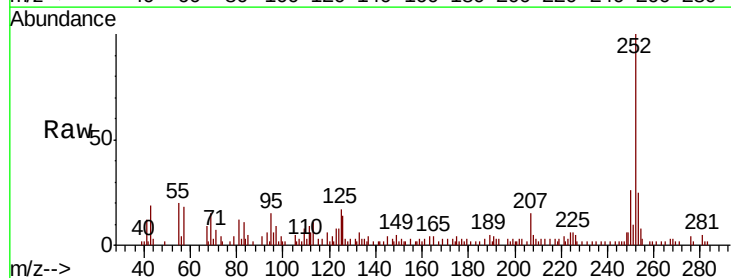


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

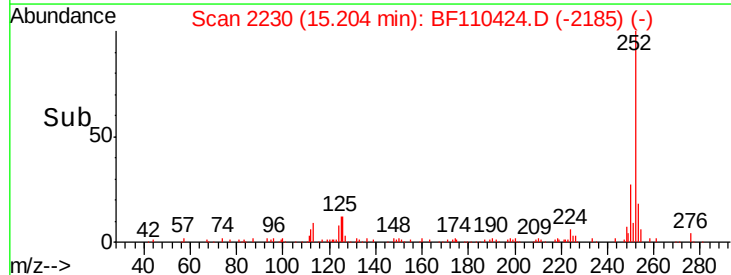
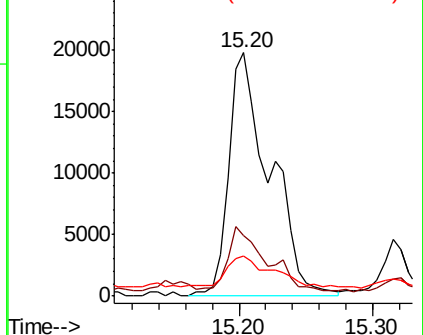


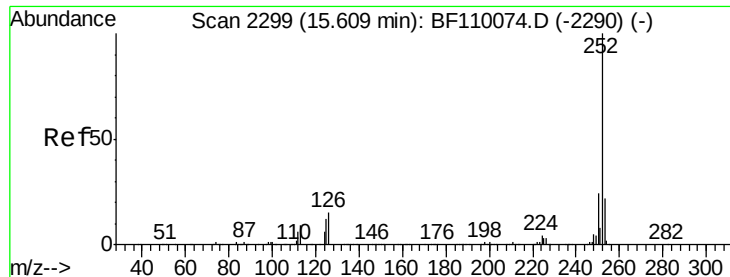
#89
Benzo(k)fluoranthene
Concen: 5.886 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110424.D
Acq: 2 Nov 2018 20:57

Tgt Ion:252 Resp: 42595
Ion Ratio Lower Upper
252 100
253 24.9 17.2 25.8
125 16.7 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: 3.165 ng

RT: 15.59 min Scan# 2295

Delta R.T. -0.01 min

Lab File: BF110424.D

Acq: 2 Nov 2018 20:57

Instrument :

BNA_F

ClientSampleId :

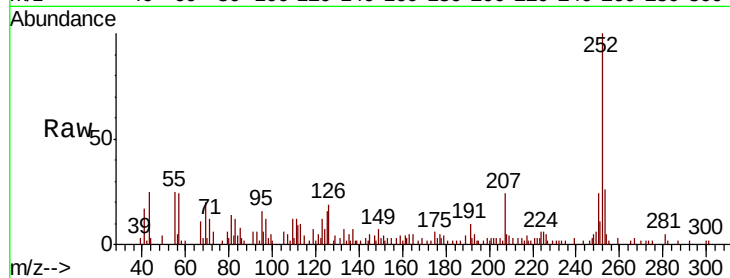
Tot Ion:252 Resp: 21435

Ion Ratio Lower Upper

252 100

253 25.8 18.2 27.4

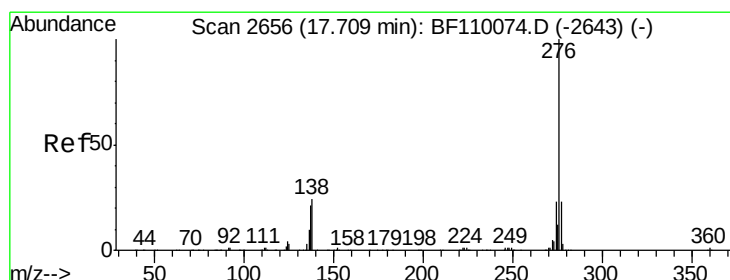
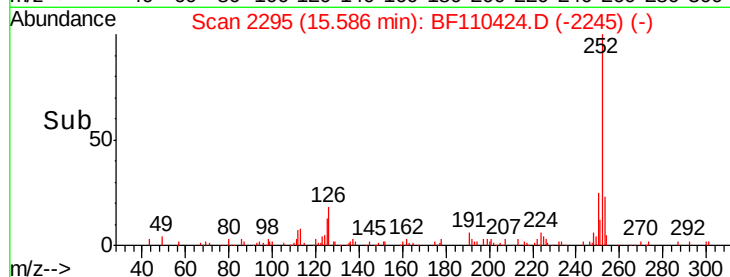
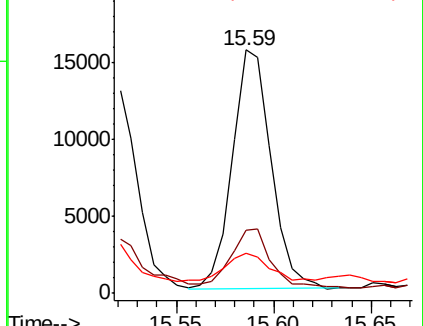
125 16.5 9.0 13.6#



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



#92

Benzo(g,h,i)perylene

Concen: 2.207 ng

RT: 17.69 min Scan# 2653

Delta R.T. -0.01 min

Lab File: BF110424.D

Acq: 2 Nov 2018 20:57

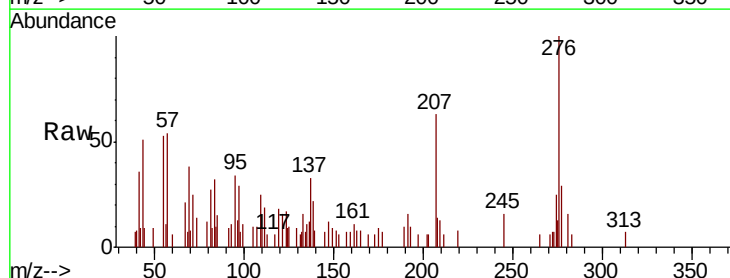
Tgt Ion:276 Resp: 12710

Ion Ratio Lower Upper

276 100

277 29.4 18.8 28.2#

138 21.9 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

