

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053122\
 Data File : BF128611.D
 Acq On : 31 May 2022 23:35
 Operator : CG\JU
 Sample : N3057-01DL 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-1193DL

Quant Time: Jun 01 00:59:37 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 27 01:51:59 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

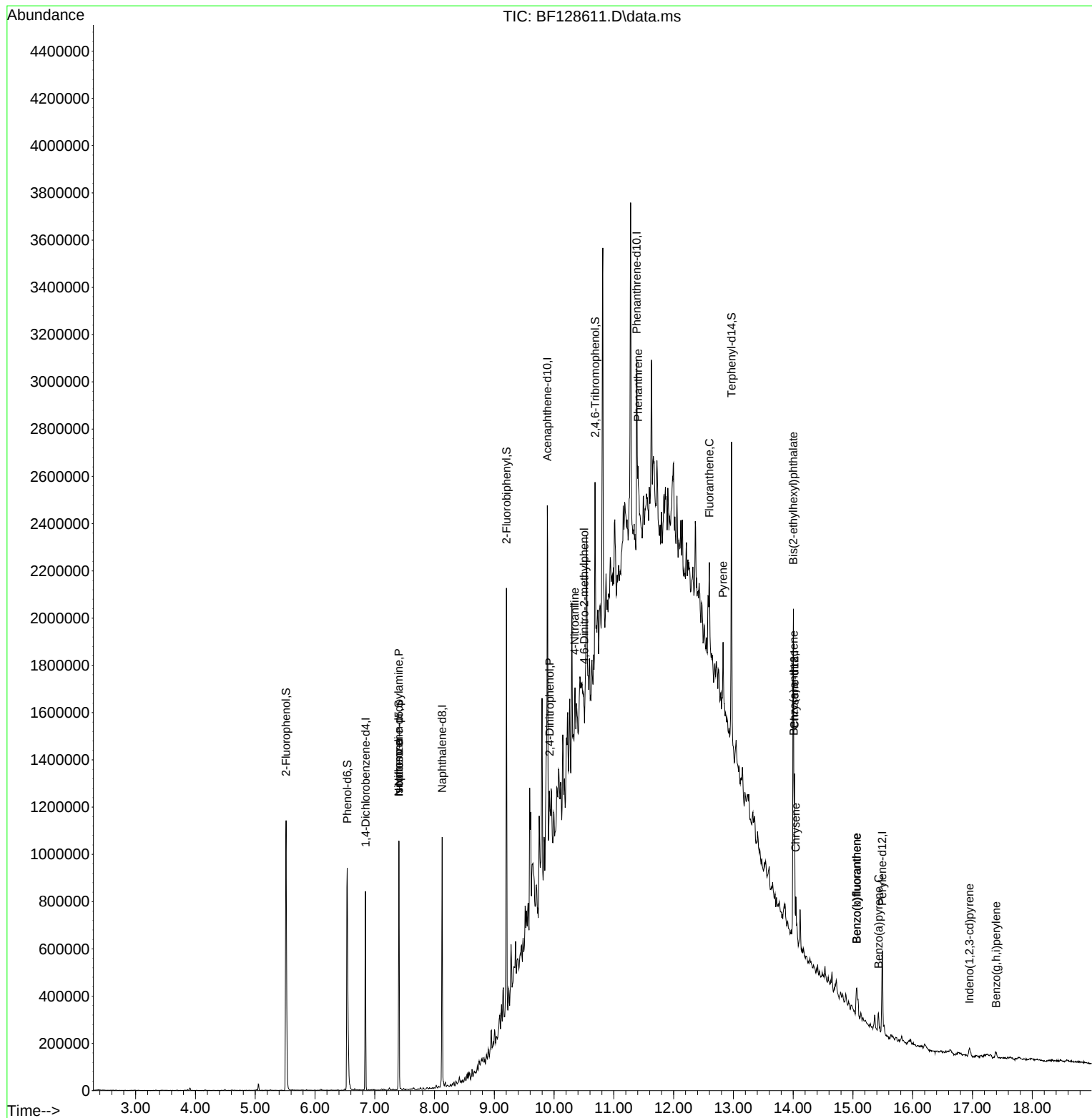
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	110984	20.000	ng	0.00
21) Naphthalene-d8	8.127	136	388252	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	173699	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	257137	20.000	ng	# 0.01
76) Chrysene-d12	14.021	240	206242	20.000	ng	# 0.01
86) Perylene-d12	15.492	264	163550	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	339397	50.654	ng	0.06
7) Phenol-d6	6.539	99	408903	47.864	ng	0.07
23) Nitrobenzene-d5	7.404	82	285453	42.414	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	85805	51.899	ng	0.01
45) 2-Fluorobiphenyl	9.204	172	482846	45.162	ng	0.00
79) Terphenyl-d14	12.968	244	387899	36.336	ng	0.01
Target Compounds						
						Qvalue
9) Benzaldehyde	6.398	77	255	Below Cal	#	75
19) n-Nitroso-di-n-propyla...	7.404	70	40034	7.643	ng	# 81
25) Isophorone	7.404	82	283980	22.873	ng	# 65
54) 2,4-Dinitrophenol	9.927	184	139	6.941	ng	# 1
62) 4-Nitroaniline	10.345	138	6703	2.936	ng	# 88
65) 4,6-Dinitro-2-methylph...	10.504	198	504	5.877	ng	# 1
71) Phenanthrene	11.404	178	86304	7.085	ng	# 93
75) Fluoranthene	12.598	202	138447	10.631	ng	97
78) Pyrene	12.827	202	120164	7.734	ng	97
81) Benzo(a)anthracene	14.009	228	62624	5.109	ng	94
83) Chrysene	14.045	228	61452	4.895	ng	98
84) Bis(2-ethylhexyl)phtha...	14.004	149	352469	44.467	ng	99
87) Indeno(1,2,3-cd)pyrene	16.950	276	23893	2.477	ng	# 89
88) Benzo(b)fluoranthene	15.062	252	86311	8.483	ng	# 97
89) Benzo(k)fluoranthene	15.062	252	85823	9.105	ng	# 97
90) Benzo(a)pyrene	15.427	252	41080	5.033	ng	97
92) Benzo(g,h,i)perylene	17.397	276	22731	2.865	ng	# 88

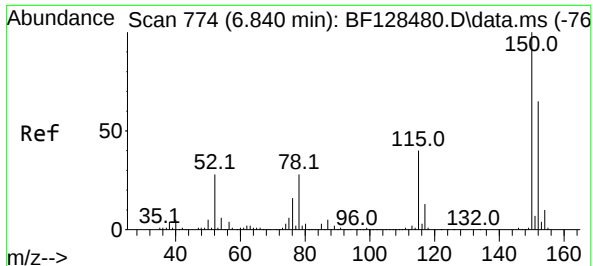
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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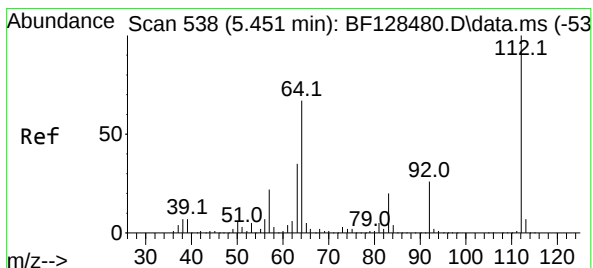
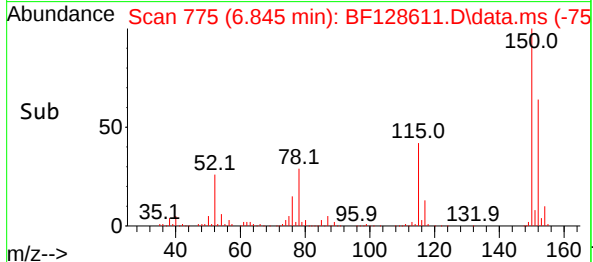
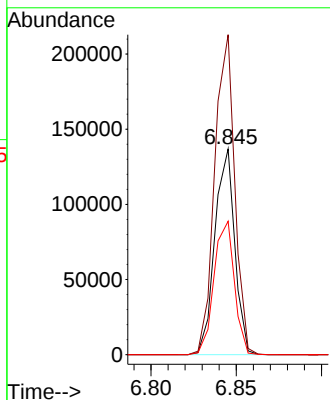
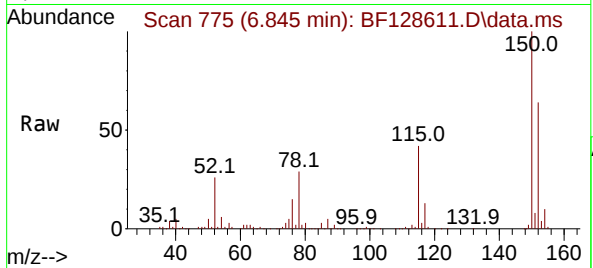




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. 0.005 min
Lab File: BF128611.D
Acq: 31 May 2022 23:35

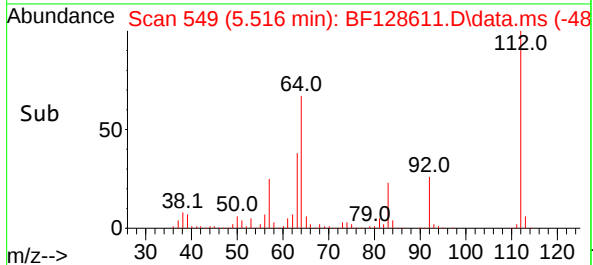
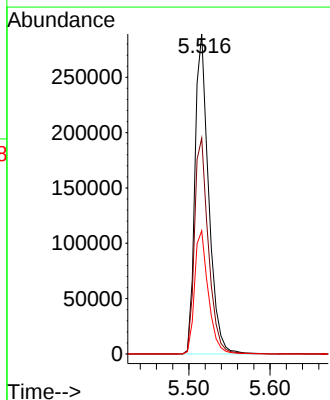
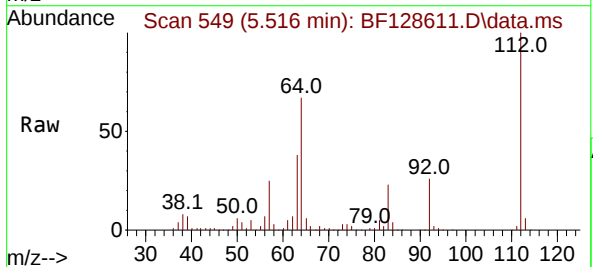
Instrument :
BNA_F
ClientSampleId :
72-1193DL

Tgt Ion:152 Resp: 110984
Ion Ratio Lower Upper
152 100
150 155.5 123.7 185.5
115 64.8 49.9 74.9



#5
2-Fluorophenol
Concen: 50.654 ng
RT: 5.516 min Scan# 549
Delta R.T. 0.064 min
Lab File: BF128611.D
Acq: 31 May 2022 23:35

Tgt Ion:112 Resp: 339397
Ion Ratio Lower Upper
112 100
64 67.4 53.3 79.9
63 38.5 28.0 42.0

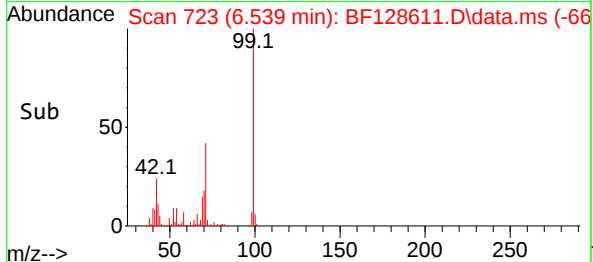
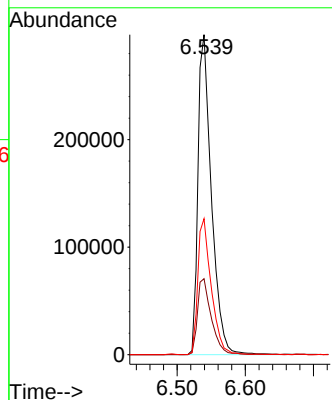
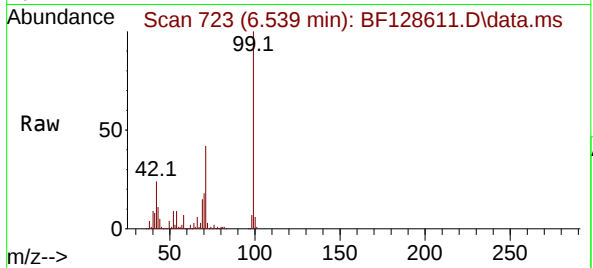




#7
Phenol-d6
Concen: 47.864 ng
RT: 6.539 min Scan# 711
Delta R.T. 0.070 min
Lab File: BF128611.D
Acq: 31 May 2022 23:35

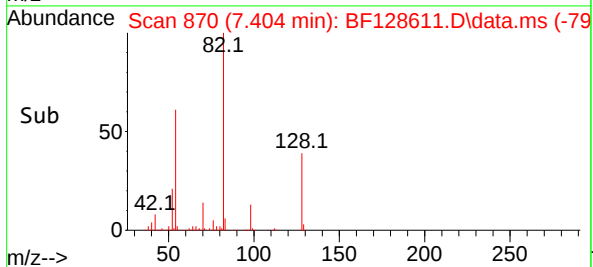
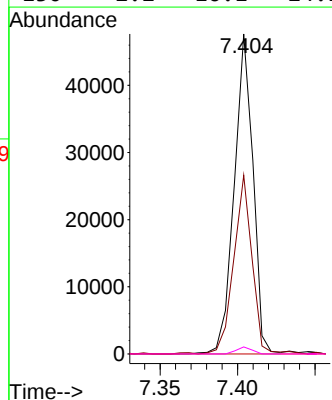
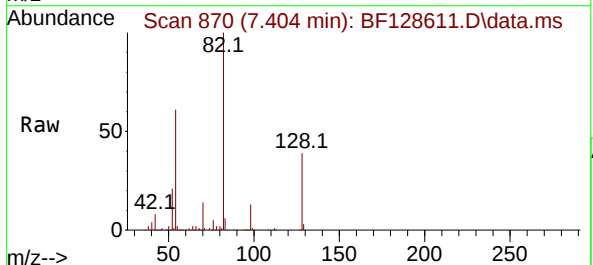
Instrument :
BNA_F
ClientSampleId :
72-1193DL

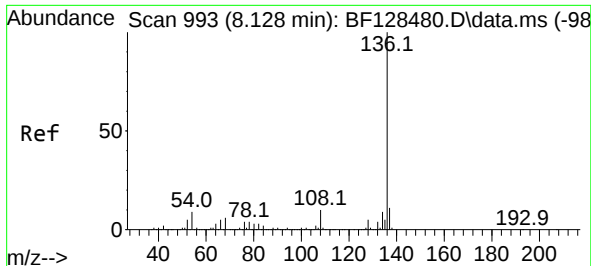
Tgt Ion: 99 Resp: 408903
Ion Ratio Lower Upper
99 100
42 23.7 17.3 25.9
71 42.5 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 7.643 ng
RT: 7.404 min Scan# 870
Delta R.T. 0.141 min
Lab File: BF128611.D
Acq: 31 May 2022 23:35

Tgt Ion: 70 Resp: 40034
Ion Ratio Lower Upper
70 100
42 55.9 52.3 78.5
101 0.0 7.5 11.3#
130 2.2 16.1 24.1#

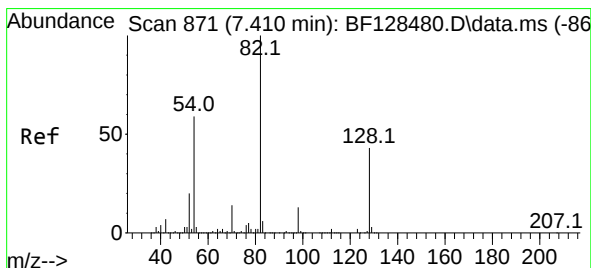
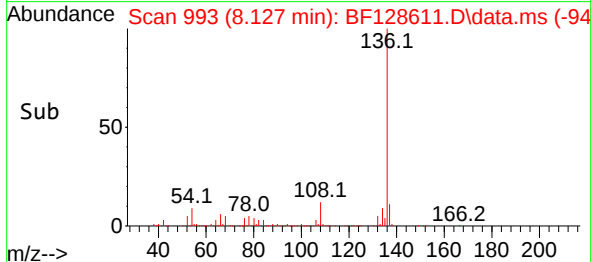
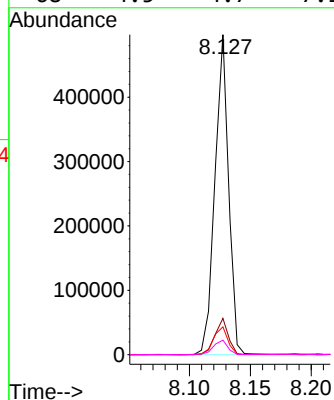
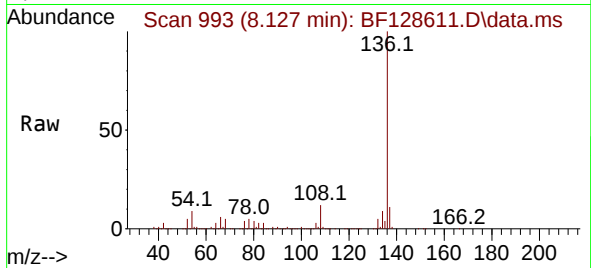




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.127 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF128611.D
Acq: 31 May 2022 23:35

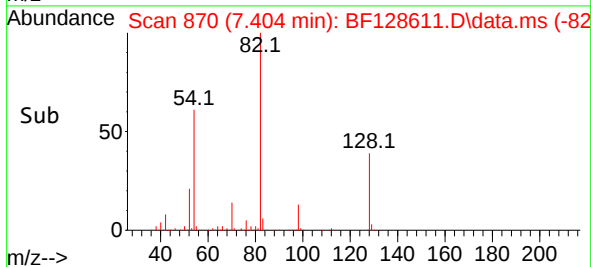
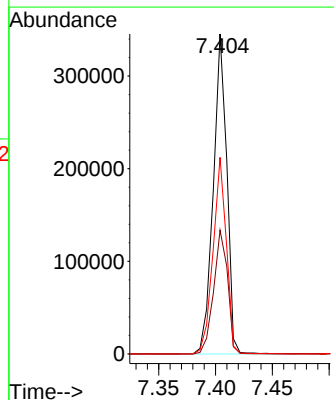
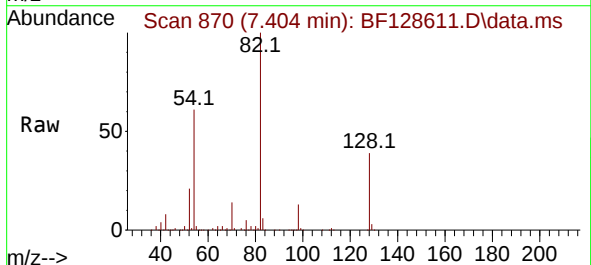
Instrument :
BNA_F
ClientSampleId :
72-1193DL

Tgt Ion:136 Resp: 388252
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 8.7 7.5 11.3
68 4.5 4.7 7.1#



#23
Nitrobenzene-d5
Concen: 42.414 ng
RT: 7.404 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF128611.D
Acq: 31 May 2022 23:35

Tgt Ion: 82 Resp: 285453
Ion Ratio Lower Upper
82 100
128 38.7 34.0 51.0
54 61.4 46.9 70.3

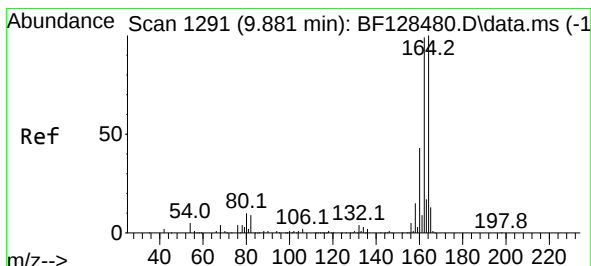
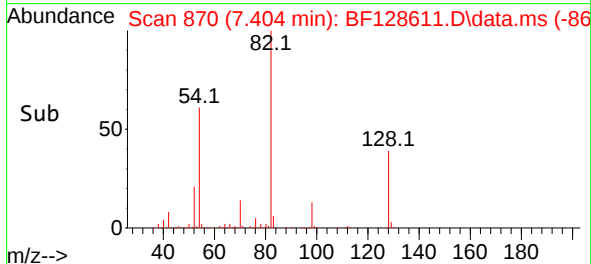
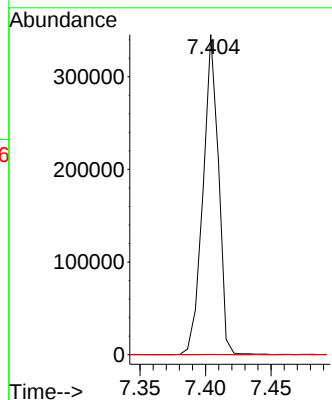
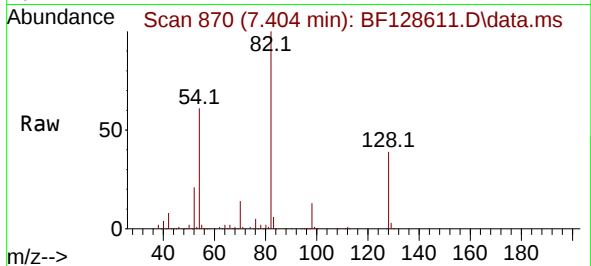




#25
Isophorone
Concen: 22.873 ng
RT: 7.404 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF128611.D
Acq: 31 May 2022 23:35

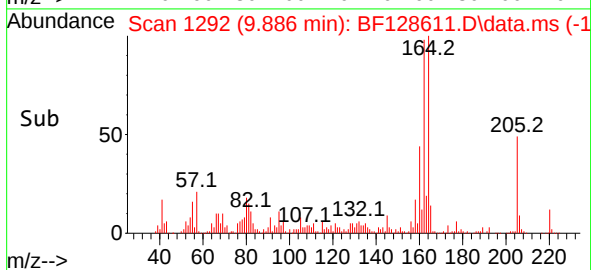
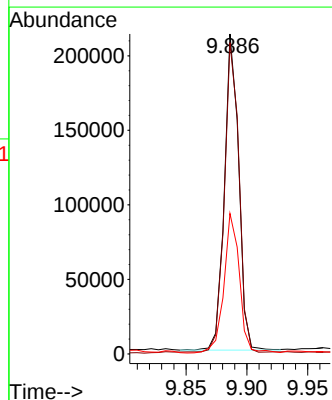
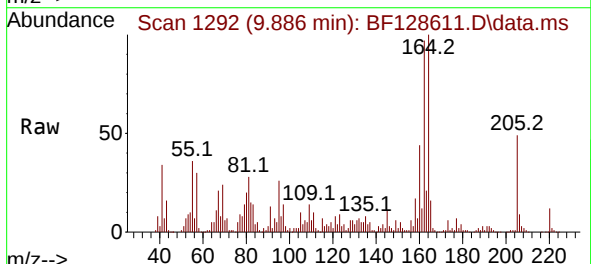
Instrument :
BNA_F
ClientSampleId :
72-1193DL

Tgt Ion: 82 Resp: 283980
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1292
Delta R.T. 0.005 min
Lab File: BF128611.D
Acq: 31 May 2022 23:35

Tgt Ion: 164 Resp: 173699
Ion Ratio Lower Upper
164 100
162 97.3 79.5 119.3
160 43.9 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 51.899 ng

RT: 10.686 min Scan# 1426

Delta R.T. 0.011 min

Lab File: BF128611.D

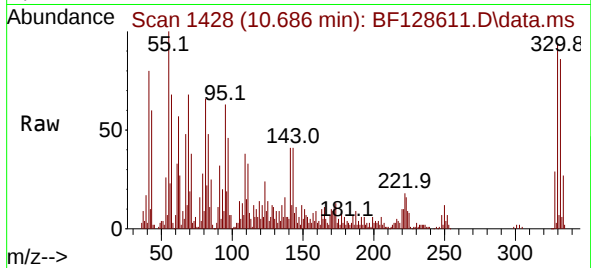
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Instrument :

BNA_F

ClientSampleId :

72-1193DL



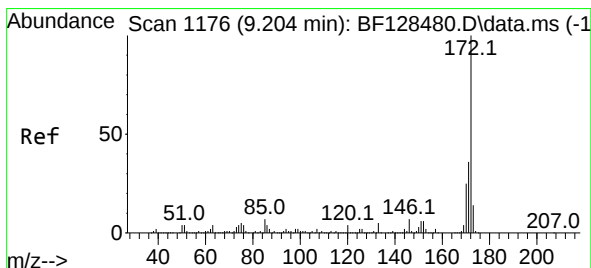
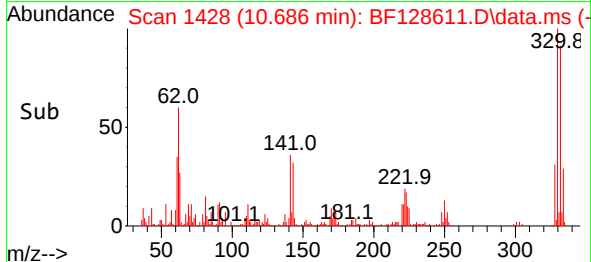
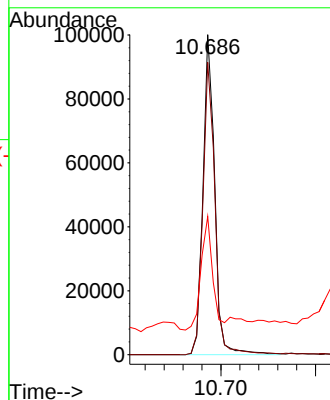
Tgt Ion:330 Resp: 85805

Ion Ratio Lower Upper

330 100

332 94.0 76.8 115.2

141 35.1 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 45.162 ng

RT: 9.204 min Scan# 1176

Delta R.T. -0.000 min

Lab File: BF128611.D

Acq: 31 May 2022 23:35

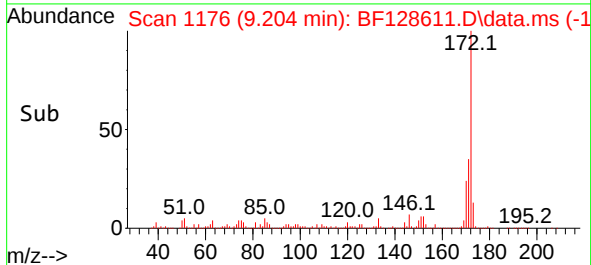
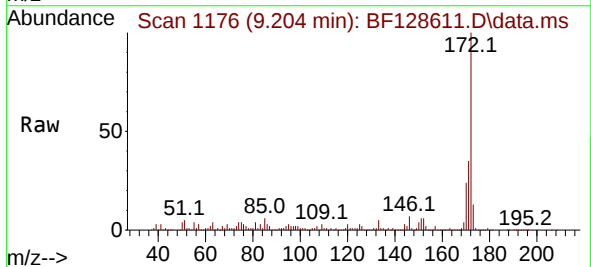
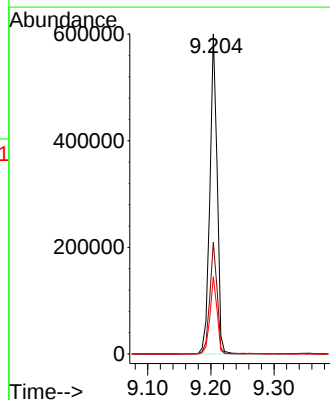
Tgt Ion:172 Resp: 482846

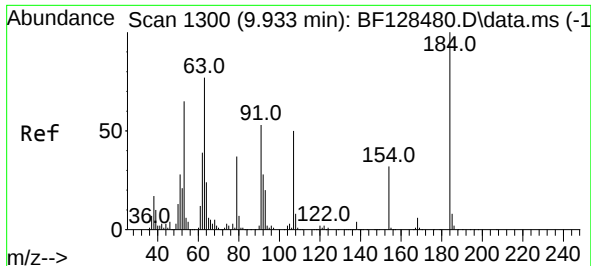
Ion Ratio Lower Upper

172 100

171 35.0 28.8 43.2

170 24.1 19.8 29.8

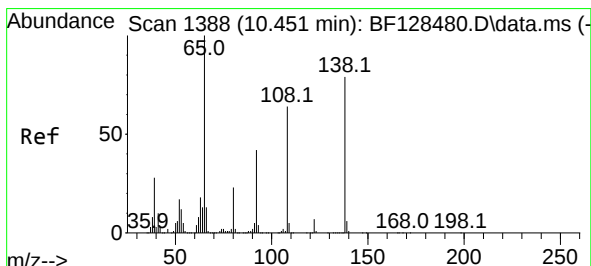
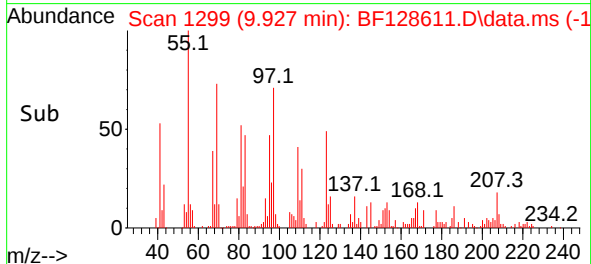
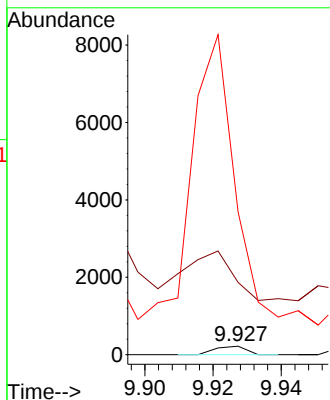
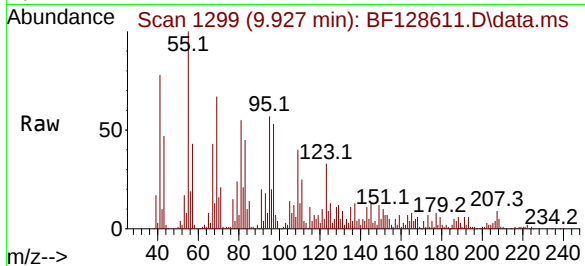




#54
2,4-Dinitrophenol
Concen: 6.941 ng
RT: 9.927 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128611.D
Acq: 31 May 2022 23:35

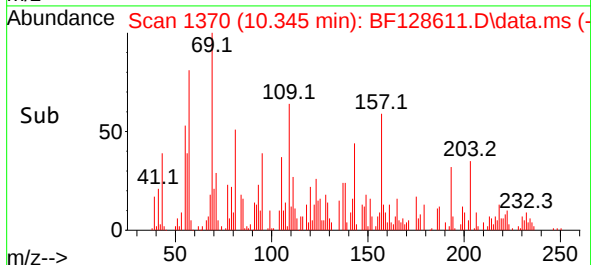
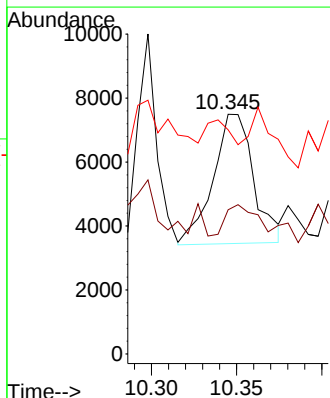
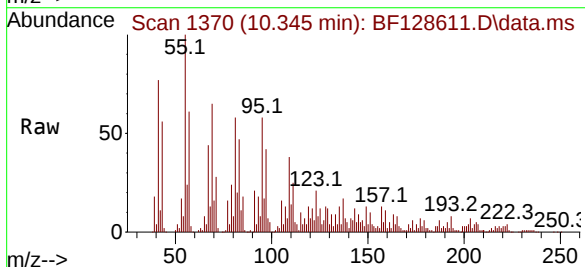
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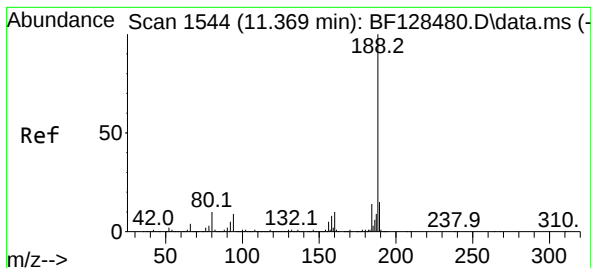
Tgt Ion:184 Resp: 139
Ion Ratio Lower Upper
184 100
63 845.7 64.5 96.7#
154 1671.9 50.6 75.8#



#62
4-Nitroaniline
Concen: 2.936 ng
RT: 10.345 min Scan# 1370
Delta R.T. -0.106 min
Lab File: BF128611.D
Acq: 31 May 2022 23:35

Tgt Ion:138 Resp: 6703
Ion Ratio Lower Upper
138 100
92 60.1 33.5 73.5
108 93.5 61.0 101.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 11

Delta R.T. 0.011 min

Lab File: BF128611.D

Acq: 31 May 2022 23:35

Instrument :

BNA_F

ClientSampleId :

72-1193DL

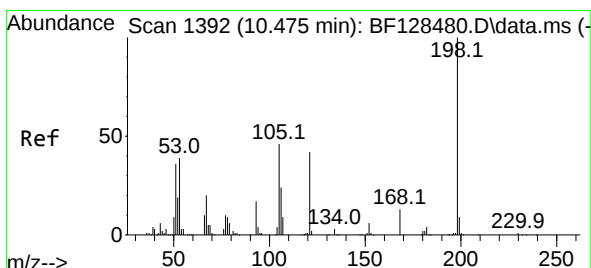
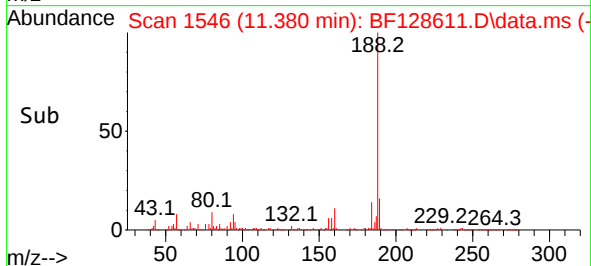
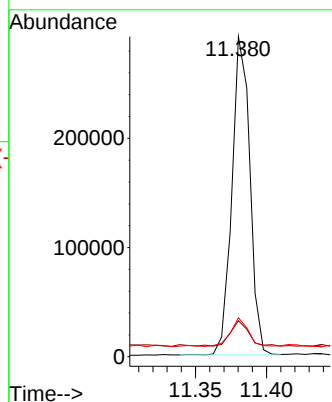
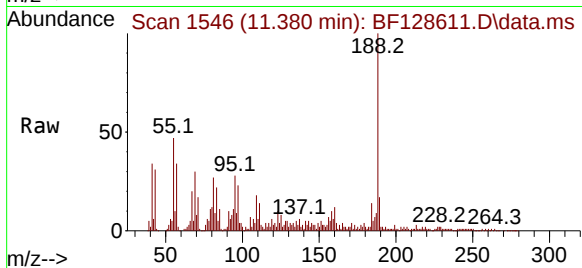
Tgt Ion:188 Resp: 257137

Ion Ratio Lower Upper

188 100

94 11.2 7.0 10.6#

80 12.2 7.6 11.4#



#65

4,6-Dinitro-2-methylphenol

Concen: 5.877 ng

RT: 10.504 min Scan# 1397

Delta R.T. 0.029 min

Lab File: BF128611.D

Acq: 31 May 2022 23:35

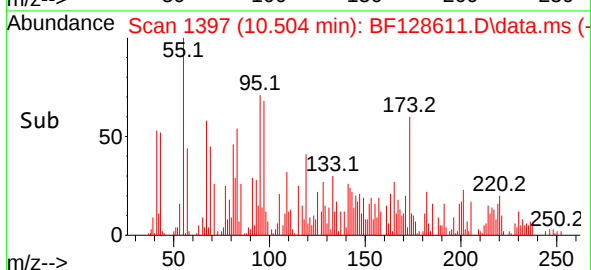
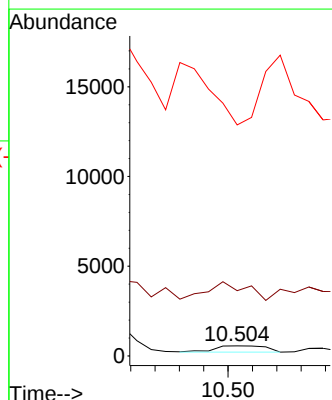
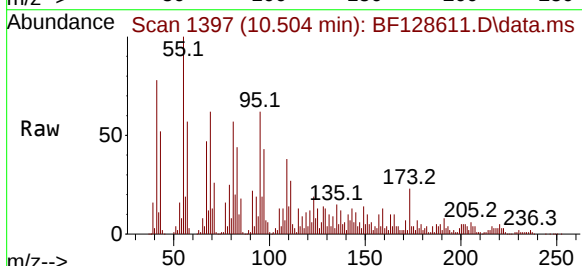
Tgt Ion:198 Resp: 504

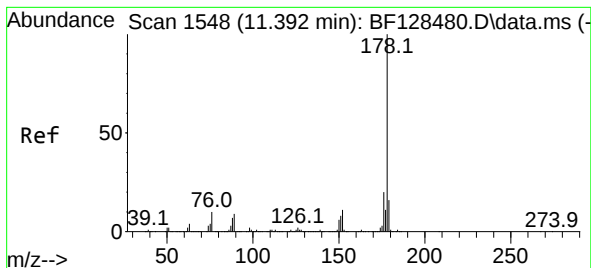
Ion Ratio Lower Upper

198 100

51 647.0 37.6 77.6#

105 2291.5 27.0 67.0#





#71

Phenanthrene

Concen: 7.085 ng

RT: 11.404 min Scan# 1

Delta R.T. 0.011 min

Lab File: BF128611.D

Acq: 31 May 2022 23:35

Instrument :

BNA_F

ClientSampleId :

72-1193DL

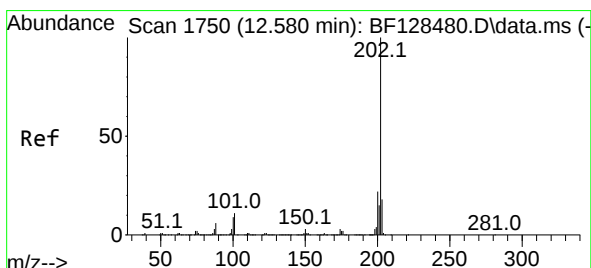
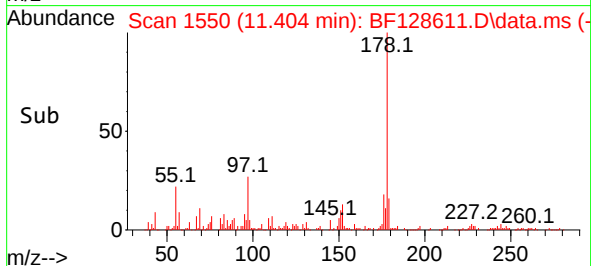
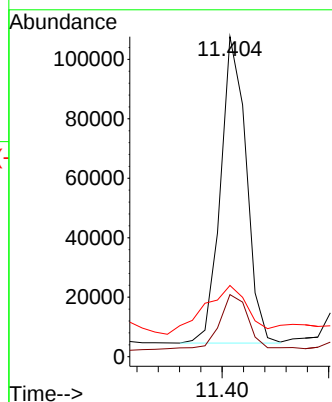
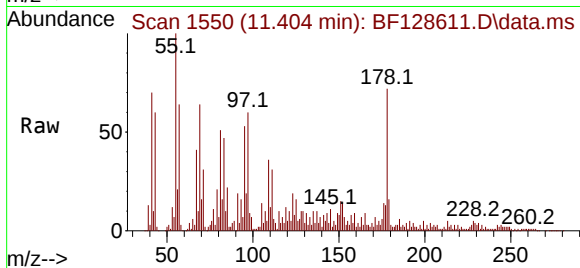
Tgt Ion:178 Resp: 86304

Ion Ratio Lower Upper

178 100

176 19.4 16.0 24.0

179 22.2 12.6 19.0#



#75

Fluoranthene

Concen: 10.631 ng

RT: 12.598 min Scan# 1753

Delta R.T. 0.017 min

Lab File: BF128611.D

Acq: 31 May 2022 23:35

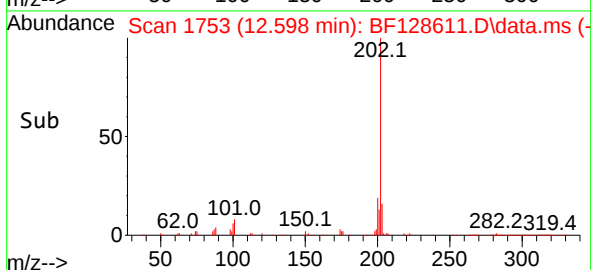
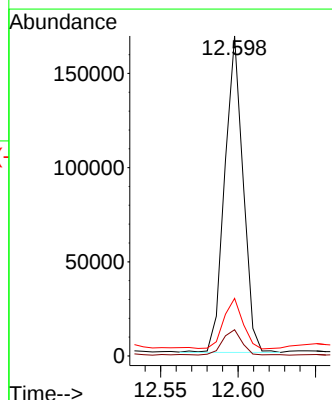
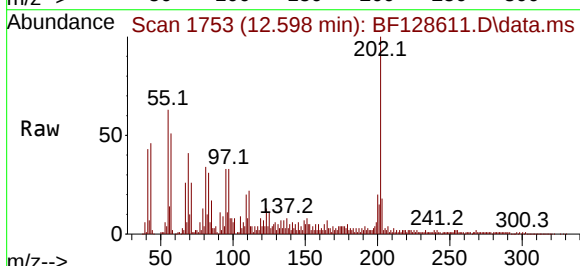
Tgt Ion:202 Resp: 138447

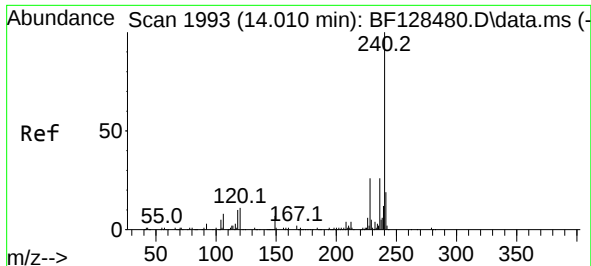
Ion Ratio Lower Upper

202 100

101 8.2 0.0 31.4

203 18.0 0.0 38.0

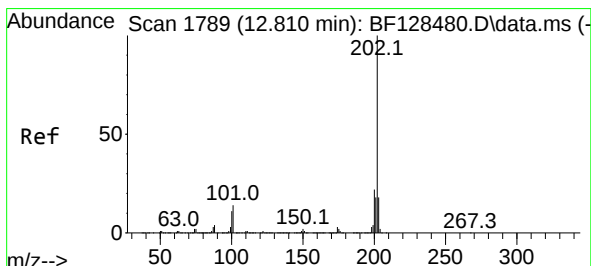
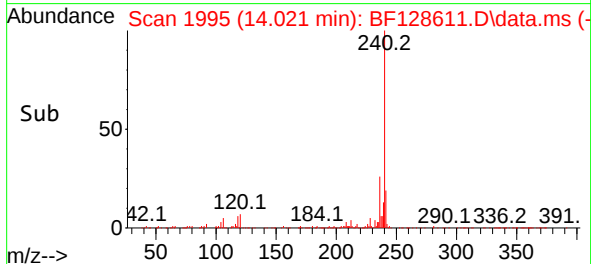
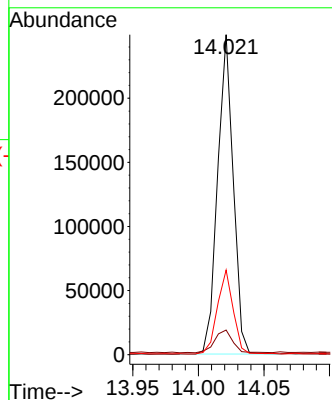
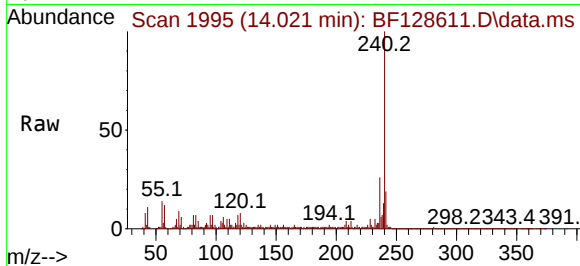




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 1995
Delta R.T. 0.011 min
Lab File: BF128611.D
Acq: 31 May 2022 23:35

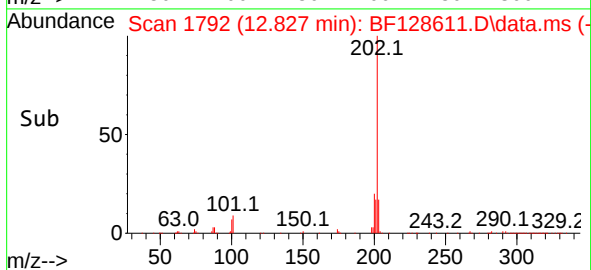
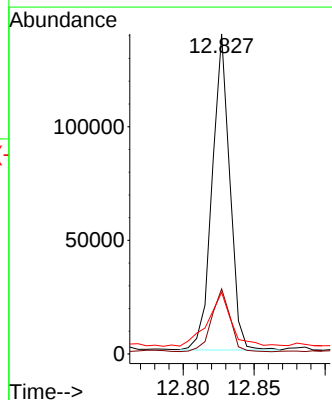
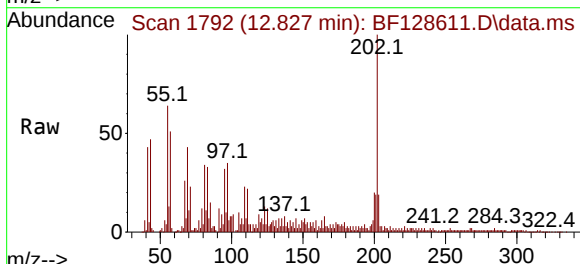
Instrument :
BNA_F
ClientSampleId :
72-1193DL

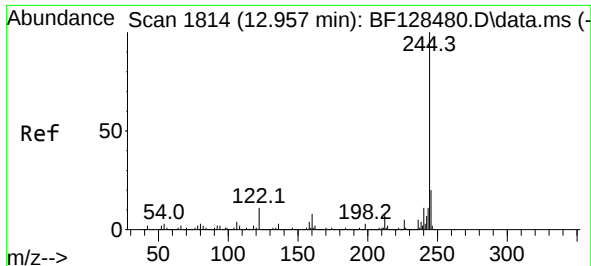
Tgt Ion:240 Resp: 206242
Ion Ratio Lower Upper
240 100
120 7.7 8.9 13.3#
236 26.5 20.8 31.2



#78
Pyrene
Concen: 7.734 ng
RT: 12.827 min Scan# 1792
Delta R.T. 0.017 min
Lab File: BF128611.D
Acq: 31 May 2022 23:35

Tgt Ion:202 Resp: 120164
Ion Ratio Lower Upper
202 100
200 20.4 17.7 26.5
203 19.2 14.6 21.8

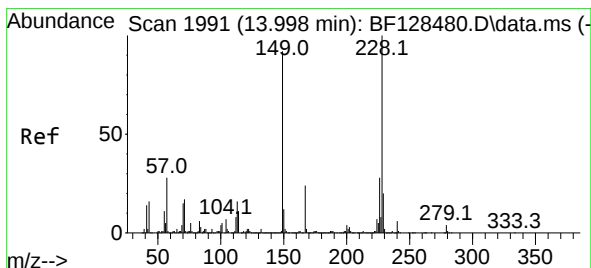
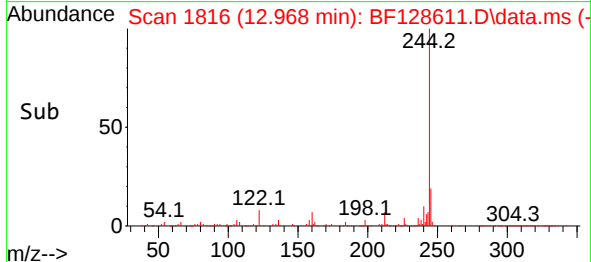
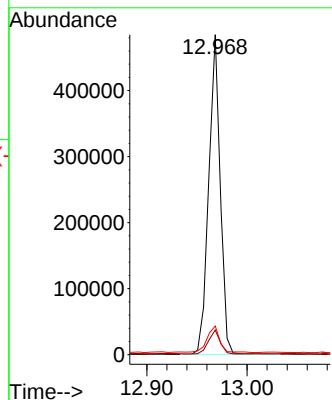
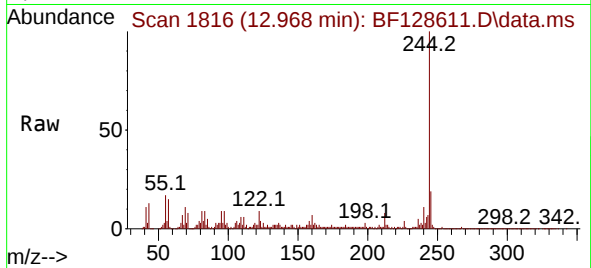




#79
 Terphenyl-d14
 Concen: 36.336 ng
 RT: 12.968 min Scan# 1814
 Delta R.T. 0.011 min
 Lab File: BF128611.D
 Acq: 31 May 2022 23:35

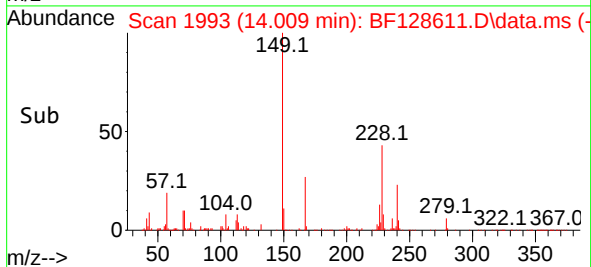
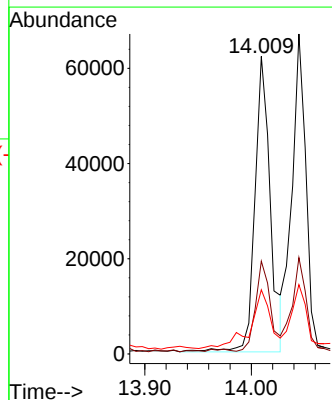
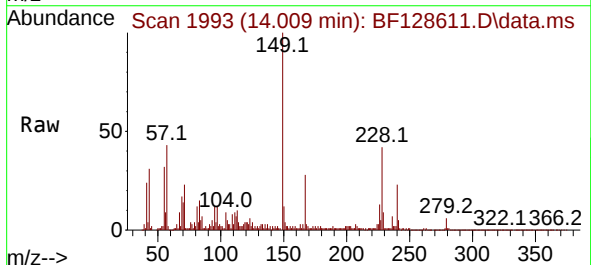
Instrument :
 BNA_F
 ClientSampleId :
 72-1193DL

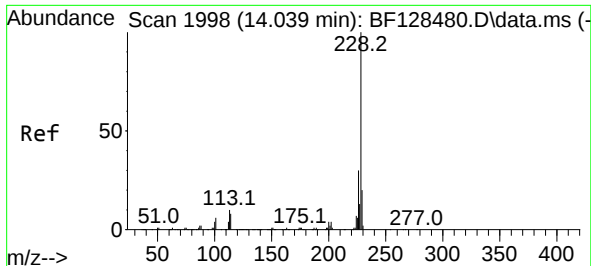
Tgt Ion:244 Resp: 387899
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.1 9.1
 122 8.9 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 5.109 ng
 RT: 14.009 min Scan# 1993
 Delta R.T. 0.011 min
 Lab File: BF128611.D
 Acq: 31 May 2022 23:35

Tgt Ion:228 Resp: 62624
 Ion Ratio Lower Upper
 228 100
 226 31.2 22.1 33.1
 229 21.6 15.8 23.8

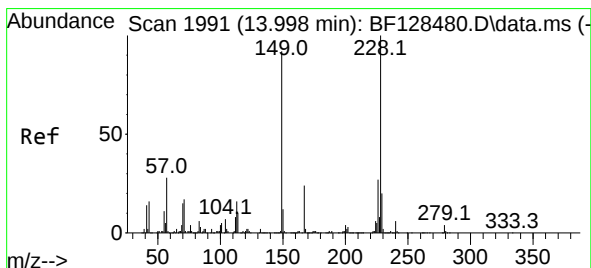
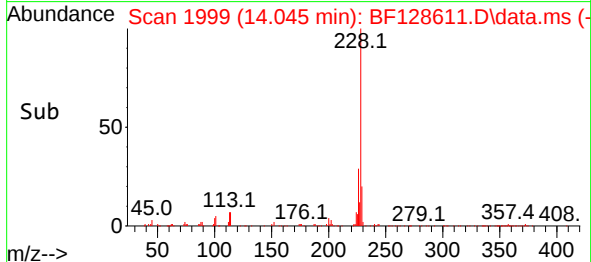
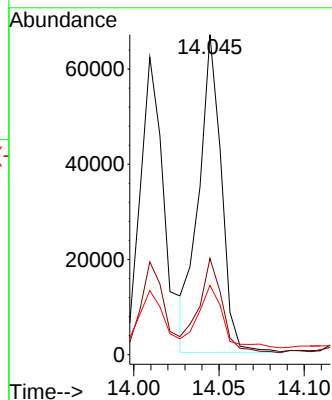
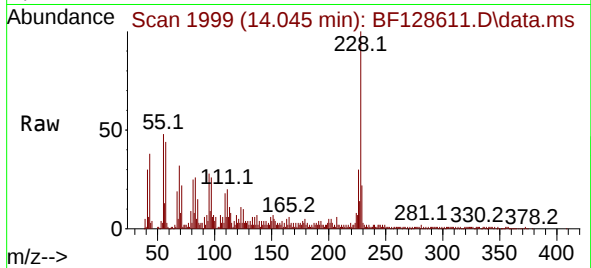




#83
Chrysene
Concen: 4.895 ng
RT: 14.045 min Scan# 1998
Delta R.T. 0.006 min
Lab File: BF128611.D
Acq: 31 May 2022 23:35

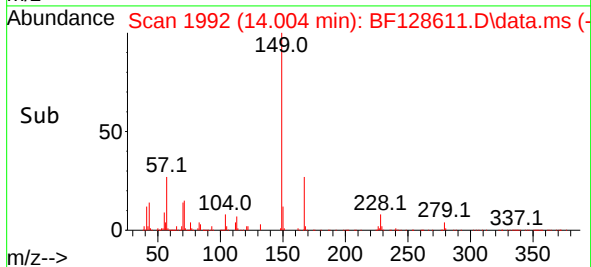
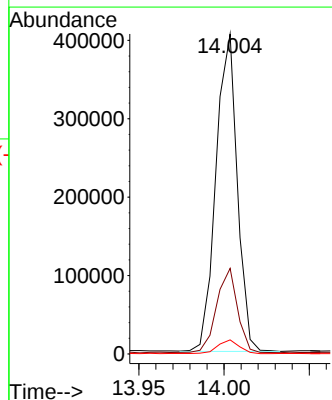
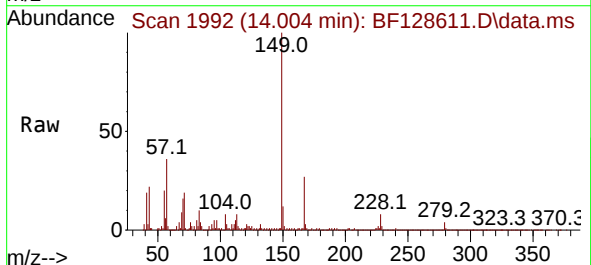
Instrument :
BNA_F
ClientSampleId :
72-1193DL

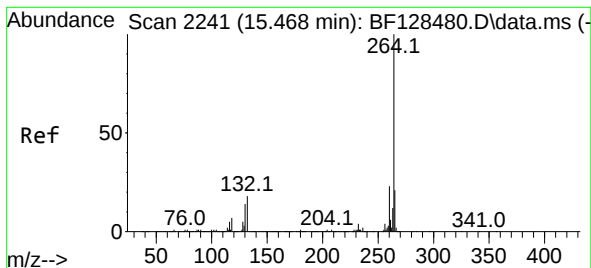
Tgt Ion:228 Resp: 61452
Ion Ratio Lower Upper
228 100
226 30.1 24.3 36.5
229 21.7 15.9 23.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 44.467 ng
RT: 14.004 min Scan# 1992
Delta R.T. 0.006 min
Lab File: BF128611.D
Acq: 31 May 2022 23:35

Tgt Ion:149 Resp: 352469
Ion Ratio Lower Upper
149 100
167 26.7 21.0 31.4
279 4.4 3.1 4.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.023 min

Lab File: BF128611.D

Acq: 31 May 2022 23:35

Instrument :

BNA_F

ClientSampleId :

72-1193DL

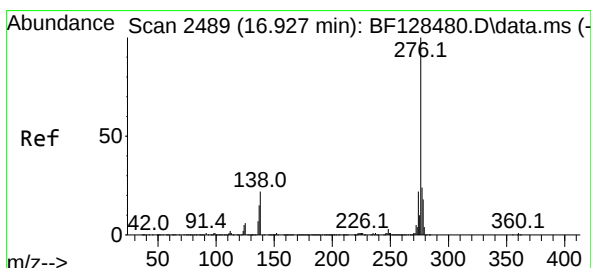
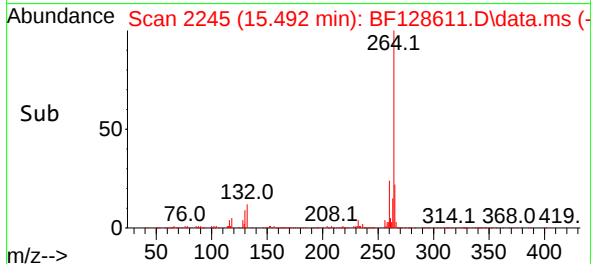
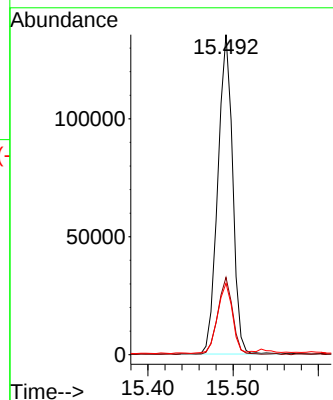
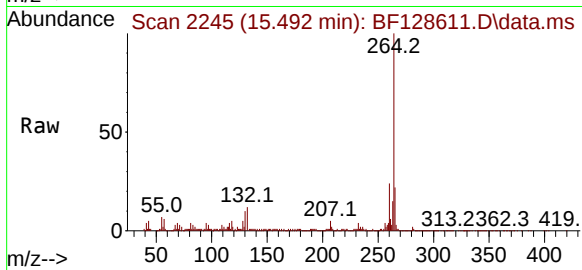
Tgt Ion:264 Resp: 163550

Ion Ratio Lower Upper

264 100

260 24.2 18.4 27.6

265 22.3 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.477 ng

RT: 16.950 min Scan# 2493

Delta R.T. 0.023 min

Lab File: BF128611.D

Acq: 31 May 2022 23:35

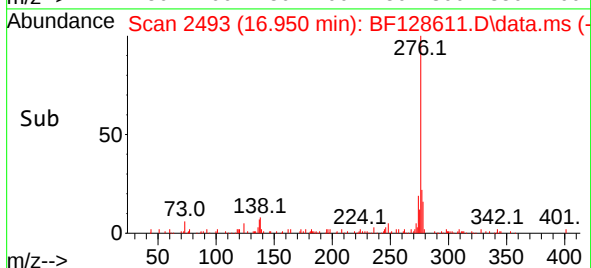
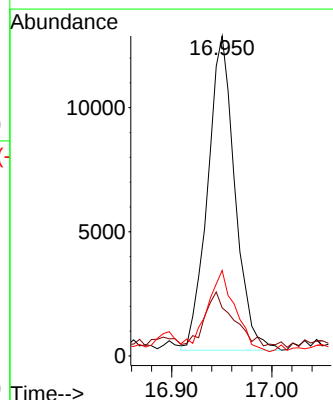
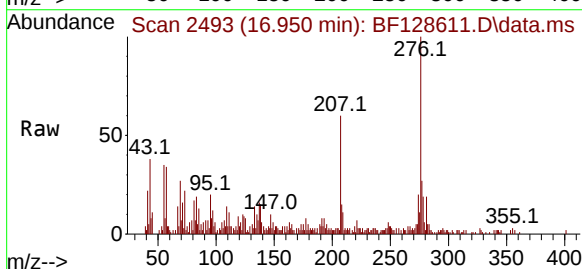
Tgt Ion:276 Resp: 23893

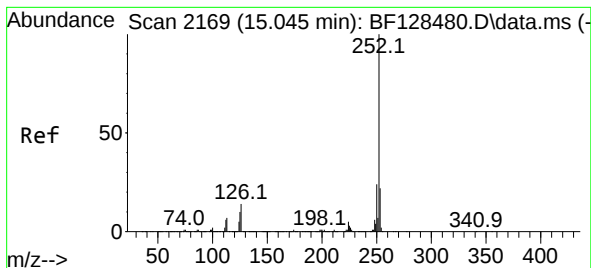
Ion Ratio Lower Upper

276 100

138 16.6 21.1 31.7#

277 27.1 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 8.483 ng

RT: 15.062 min Scan# 2172

Delta R.T. 0.017 min

Lab File: BF128611.D

Acq: 31 May 2022 23:35

Instrument :

BNA_F

ClientSampleId :

72-1193DL

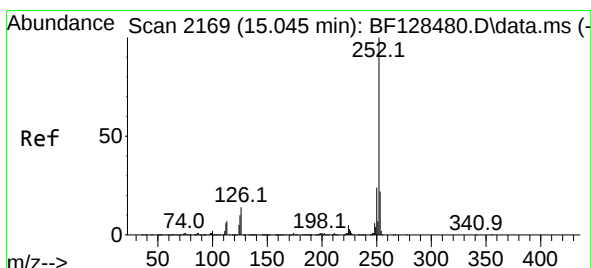
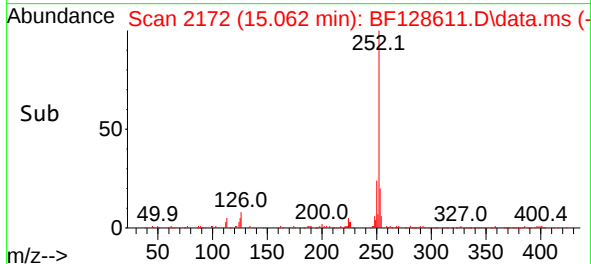
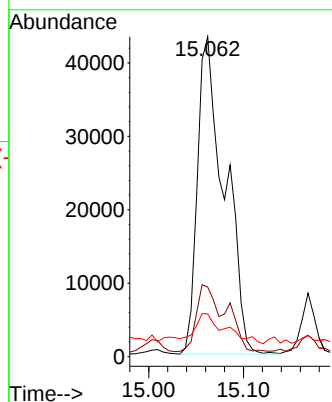
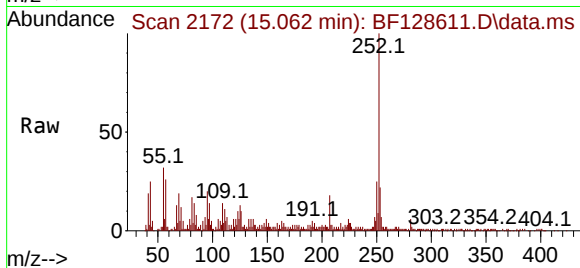
Tgt Ion:252 Resp: 86311

Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 13.4 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 9.105 ng

RT: 15.062 min Scan# 2172

Delta R.T. -0.012 min

Lab File: BF128611.D

Acq: 31 May 2022 23:35

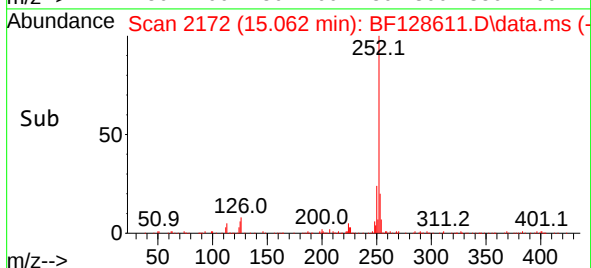
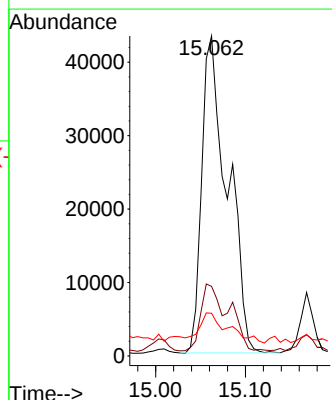
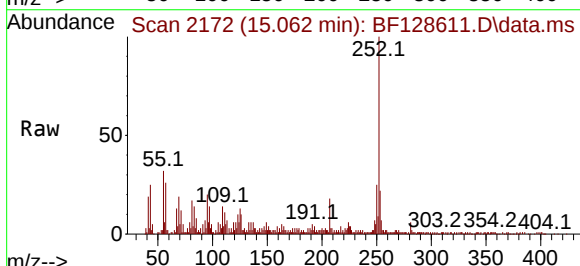
Tgt Ion:252 Resp: 85823

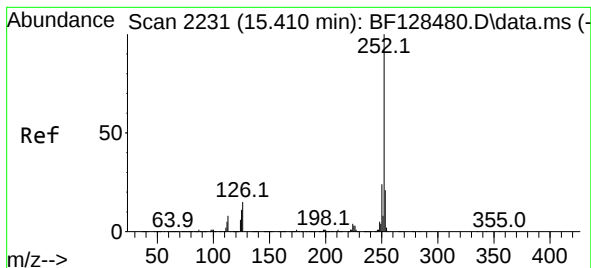
Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.6

125 13.4 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 5.033 ng

RT: 15.427 min Scan# 21

Delta R.T. 0.017 min

Lab File: BF128611.D

Acq: 31 May 2022 23:35

Instrument :

BNA_F

ClientSampleId :

72-1193DL

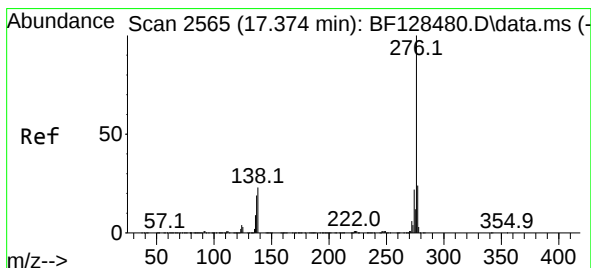
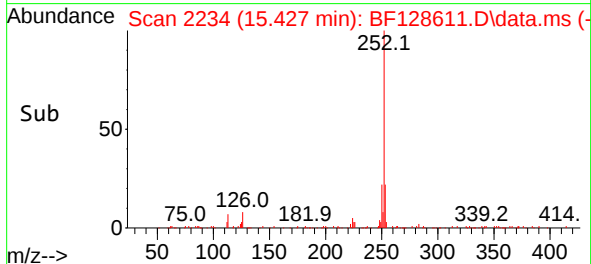
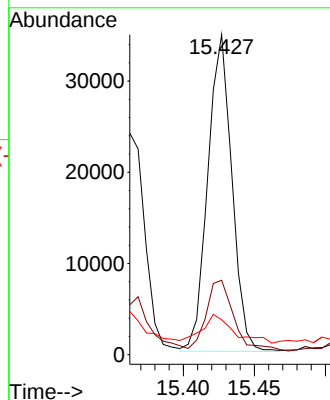
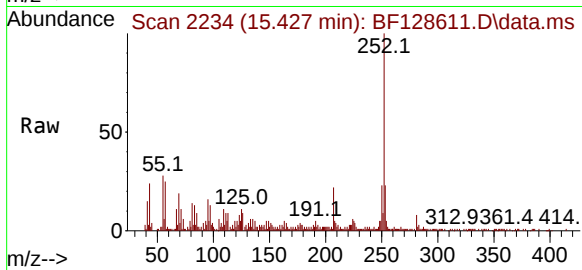
Tgt Ion:252 Resp: 41080

Ion Ratio Lower Upper

252 100

253 23.2 17.0 25.6

125 10.9 8.8 13.2



#92

Benzo(g,h,i)perylene

Concen: 2.865 ng

RT: 17.397 min Scan# 2569

Delta R.T. 0.023 min

Lab File: BF128611.D

Acq: 31 May 2022 23:35

Tgt Ion:276 Resp: 22731

Ion Ratio Lower Upper

276 100

277 30.8 19.1 28.7#

138 17.8 18.0 27.0#

