

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082522\
 Data File : BF130002.D
 Acq On : 25 Aug 2022 16:36
 Operator : CG\JU
 Sample : N4205-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-4

Quant Time: Aug 26 00:59:36 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 14:45:09 2022
 Response via : Initial Calibration

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

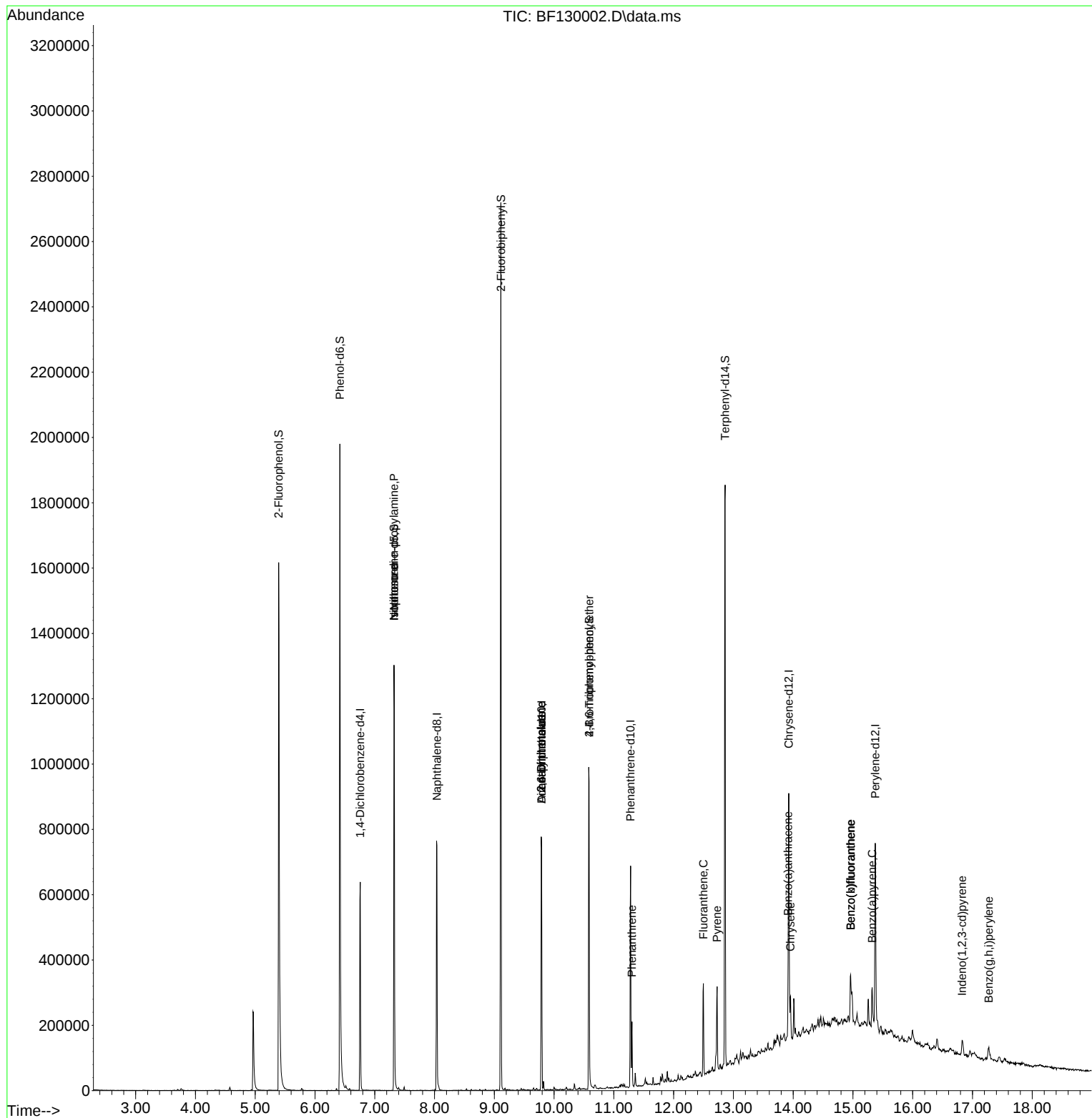
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	93744	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	345988	20.000	ng	0.00
39) Acenaphthene-d10	9.792	164	159884	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	224326	20.000	ng	0.00
76) Chrysene-d12	13.927	240	221449	20.000	ng	0.00
86) Perylene-d12	15.374	264	247169	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.392	112	512847	90.579	ng	0.00
7) Phenol-d6	6.416	99	626771	88.399	ng	0.00
23) Nitrobenzene-d5	7.322	82	404007	62.509	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	111596	69.544	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	691030	65.644	ng	0.00
79) Terphenyl-d14	12.863	244	597908	44.926	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.416	77	991	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.322	70	53747	11.993	ng	# 79
25) Isophorone	7.322	82	404003	36.318	ng	# 65
50) Dimethylphthalate	9.792	163	29851	2.604	ng	# 1
51) 2,6-Dinitrotoluene	9.786	165	20029	8.056	ng	# 22
57) 2,4-Dinitrotoluene	9.786	165	20029	6.206	ng	# 17
67) 4-Bromophenyl-phenylether	10.586	248	6690	2.546	ng	# 1
71) Phenanthrene	11.304	178	66889	5.339	ng	99
75) Fluoranthene	12.498	202	109430	8.536	ng	98
77) Benzidine	12.621	184	1767	Below Cal	#	59
78) Pyrene	12.727	202	101114	5.254	ng	99
81) Benzo(a)anthracene	13.915	228	60783	3.990	ng	99
83) Chrysene	13.957	228	53694	3.765	ng	94
87) Indeno(1,2,3-cd)pyrene	16.827	276	34980	2.061	ng	# 92
88) Benzo(b)fluoranthene	14.962	252	106187	6.274	ng	# 97
89) Benzo(k)fluoranthene	14.962	252	106187	6.542	ng	# 97
90) Benzo(a)pyrene	15.321	252	58225	4.369	ng	96
92) Benzo(g,h,i)perylene	17.274	276	32483	2.326	ng	97

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

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Data File : BF130002.D
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Sample : N4205-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
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Quant Time: Aug 26 00:59:36 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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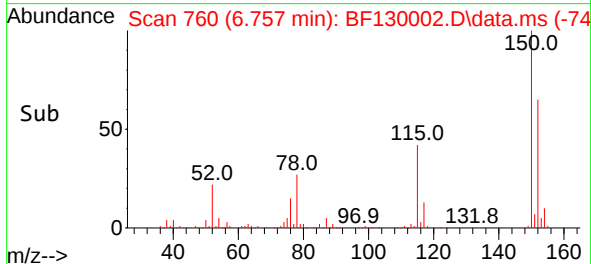
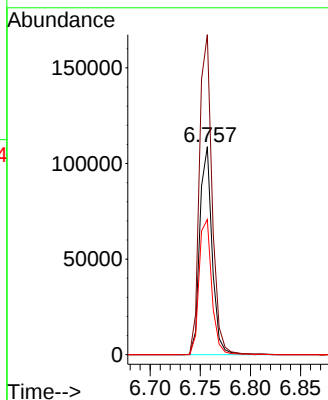
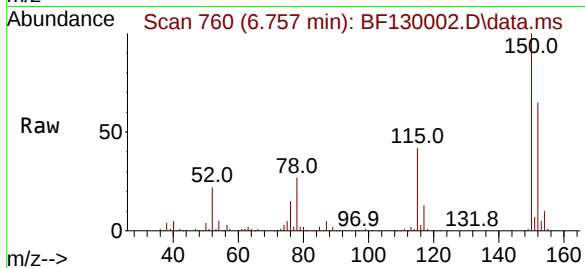




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.757 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: BF130002.D
 Acq: 25 Aug 2022 16:36

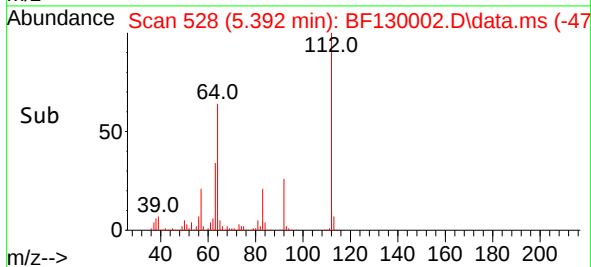
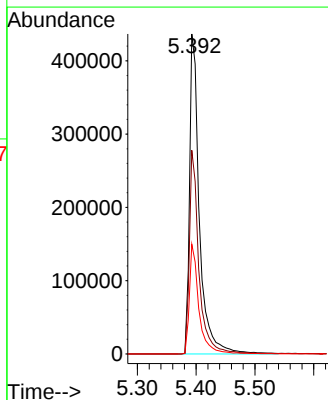
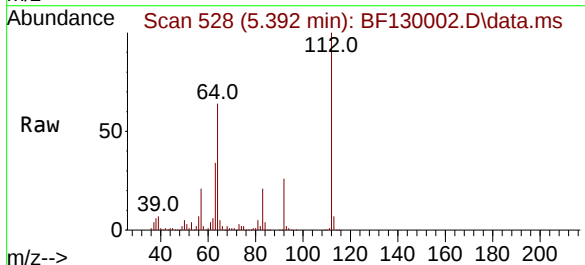
Instrument :
 BNA_F
 ClientSampleId :
 SS-4

Tgt Ion:152 Resp: 93744
 Ion Ratio Lower Upper
 152 100
 150 153.8 126.9 190.3
 115 65.0 53.4 80.0



#5
 2-Fluorophenol
 Concen: 90.579 ng
 RT: 5.392 min Scan# 528
 Delta R.T. -0.000 min
 Lab File: BF130002.D
 Acq: 25 Aug 2022 16:36

Tgt Ion:112 Resp: 512847
 Ion Ratio Lower Upper
 112 100
 64 63.7 47.6 71.4
 63 34.3 24.6 37.0

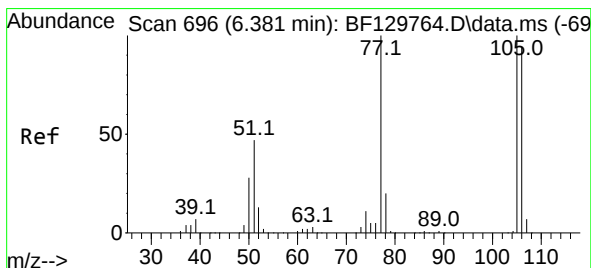
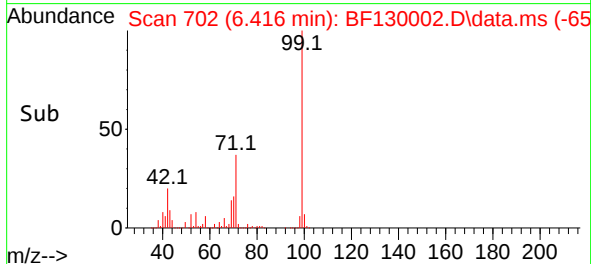
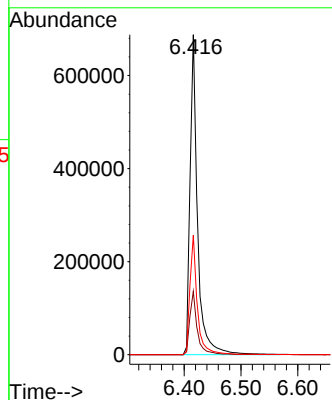
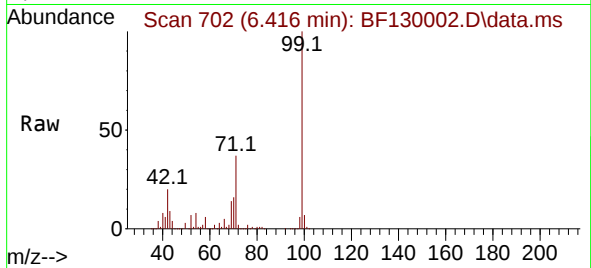




#7
Phenol-d6
Concen: 88.399 ng
RT: 6.416 min Scan# 702
Delta R.T. -0.006 min
Lab File: BF130002.D
Acq: 25 Aug 2022 16:36

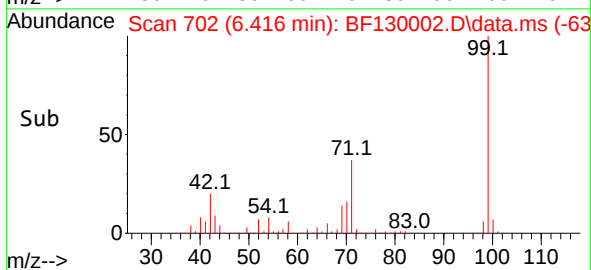
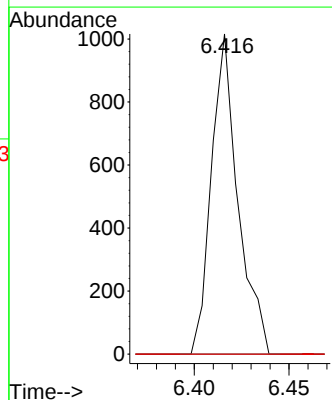
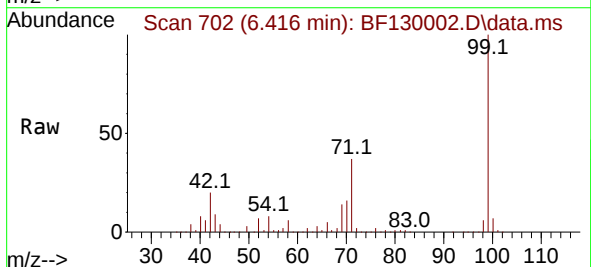
Instrument :
BNA_F
ClientSampleId :
SS-4

Tgt Ion: 99 Resp: 626771
Ion Ratio Lower Upper
99 100
42 19.8 15.0 22.4
71 37.4 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.416 min Scan# 702
Delta R.T. 0.100 min
Lab File: BF130002.D
Acq: 25 Aug 2022 16:36

Tgt Ion: 77 Resp: 991
Ion Ratio Lower Upper
77 100
105 0.0 80.3 120.3#
106 0.0 74.3 114.3#

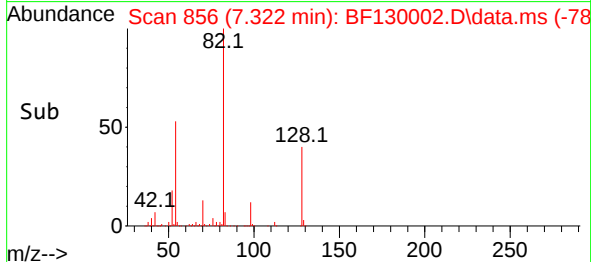
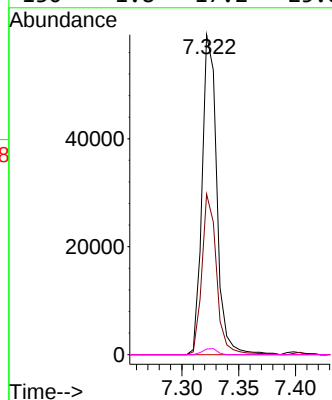
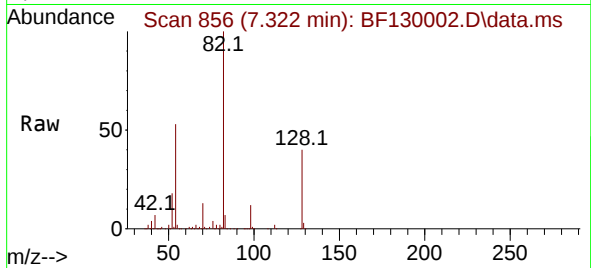




#19
n-Nitroso-di-n-propylamine
Concen: 11.993 ng
RT: 7.322 min Scan# 81
Delta R.T. 0.141 min
Lab File: BF130002.D
Acq: 25 Aug 2022 16:36

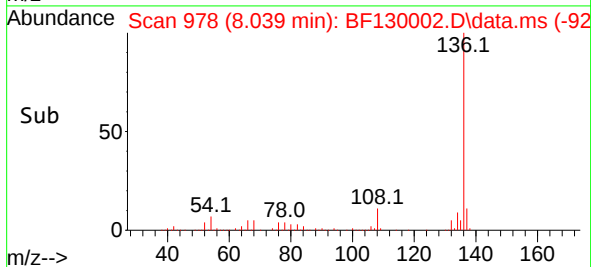
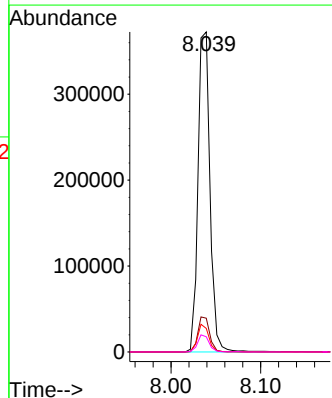
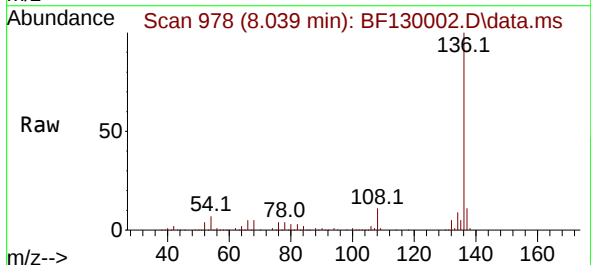
Instrument :
BNA_F
ClientSampleId :
SS-4

Tgt Ion: 70 Resp: 53747
Ion Ratio Lower Upper
70 100
42 50.2 47.6 71.4
101 0.0 8.1 12.1#
130 1.8 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 978
Delta R.T. -0.000 min
Lab File: BF130002.D
Acq: 25 Aug 2022 16:36

Tgt Ion:136 Resp: 345988
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 7.4 6.2 9.2
68 4.8 4.2 6.4





#23

Nitrobenzene-d5

Concen: 62.509 ng

RT: 7.322 min Scan# 856

Delta R.T. -0.012 min

Lab File: BF130002.D

Acq: 25 Aug 2022 16:36

Instrument :

BNA_F

ClientSampleId :

SS-4

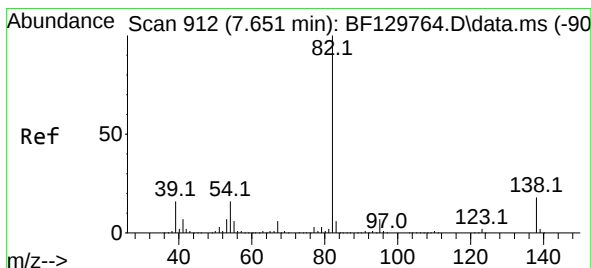
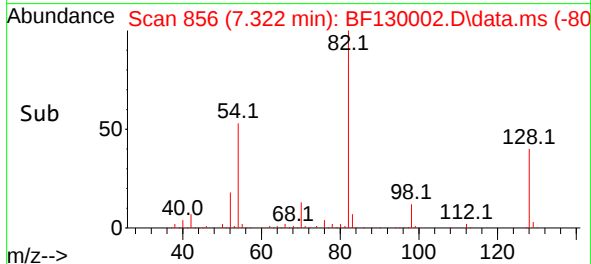
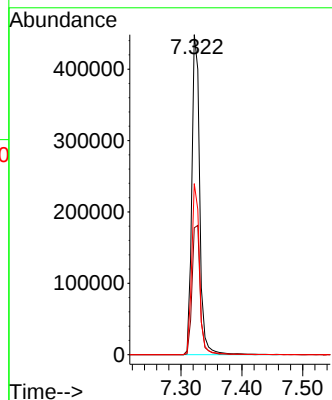
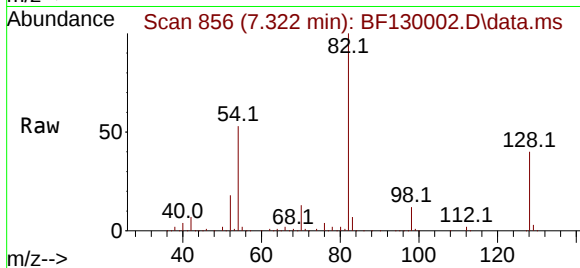
Tgt Ion: 82 Resp: 404007

Ion Ratio Lower Upper

82 100

128 39.6 36.1 54.1

54 53.5 40.0 60.0



#25

Isophorone

Concen: 36.318 ng

RT: 7.322 min Scan# 856

Delta R.T. -0.265 min

Lab File: BF130002.D

Acq: 25 Aug 2022 16:36

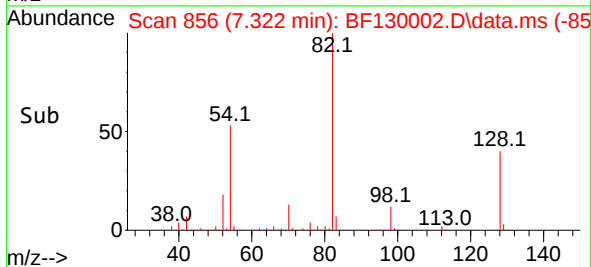
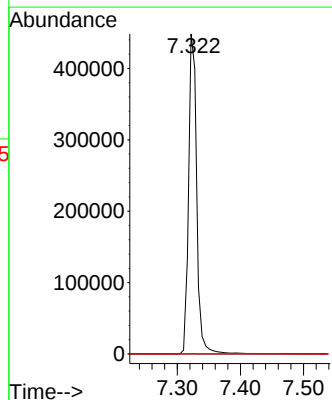
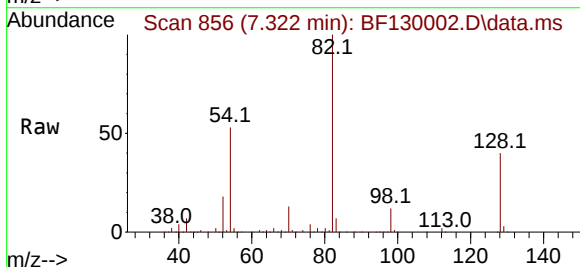
Tgt Ion: 82 Resp: 404003

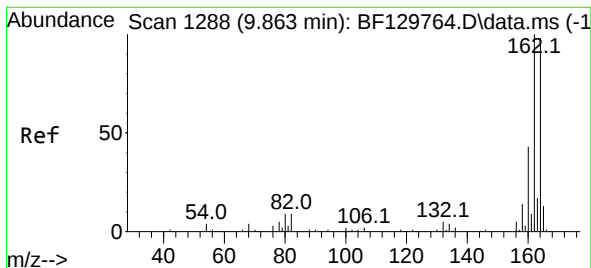
Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

138 0.0 14.6 21.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.792 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF130002.D

Acq: 25 Aug 2022 16:36

Instrument :

BNA_F

ClientSampleId :

SS-4

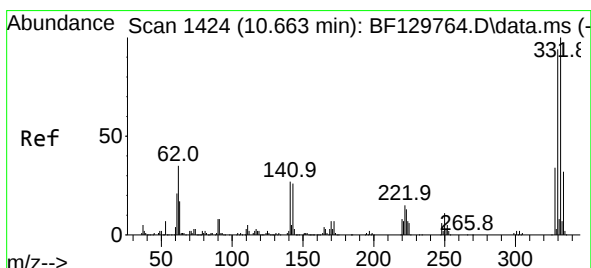
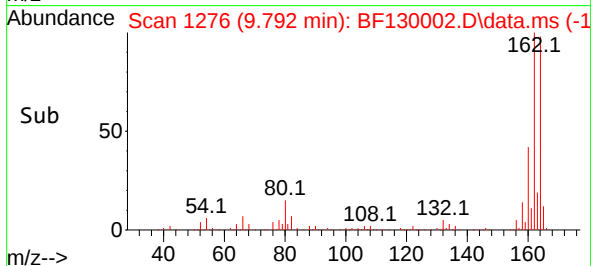
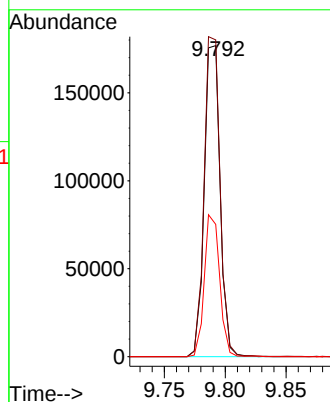
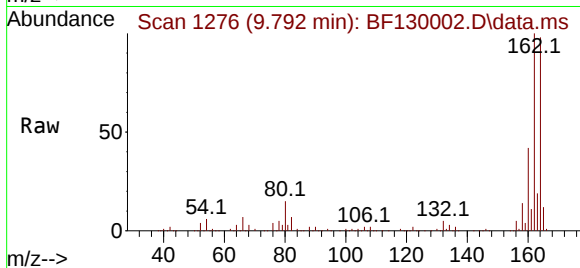
Tgt Ion:164 Resp: 159884

Ion Ratio Lower Upper

164 100

162 101.9 82.0 123.0

160 42.5 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 69.544 ng

RT: 10.586 min Scan# 1411

Delta R.T. -0.000 min

Lab File: BF130002.D

Acq: 25 Aug 2022 16:36

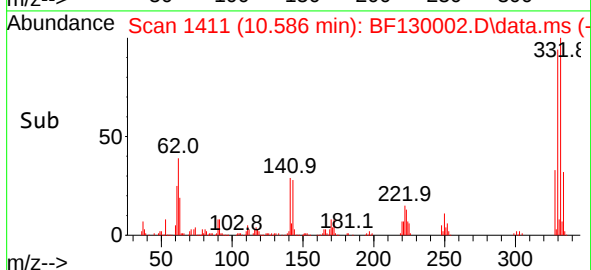
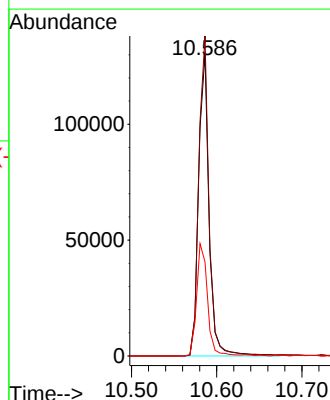
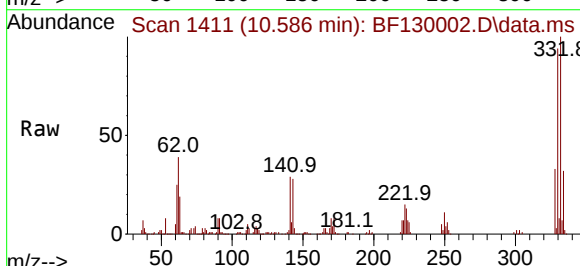
Tgt Ion:330 Resp: 111596

Ion Ratio Lower Upper

330 100

332 104.0 82.6 124.0

141 39.0 27.6 41.4





#45

2-Fluorobiphenyl

Concen: 65.644 ng

RT: 9.110 min Scan# 1173

Delta R.T. -0.006 min

Lab File: BF130002.D

Acq: 25 Aug 2022 16:36

Instrument :

BNA_F

ClientSampleId :

SS-4

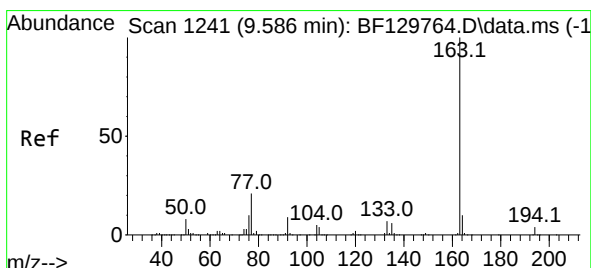
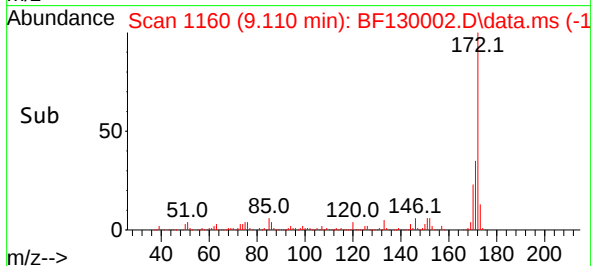
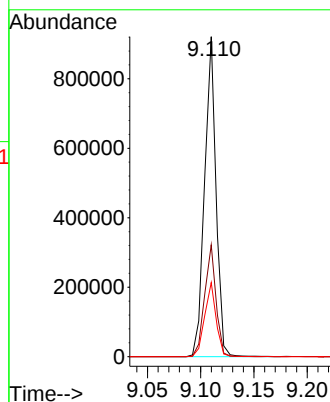
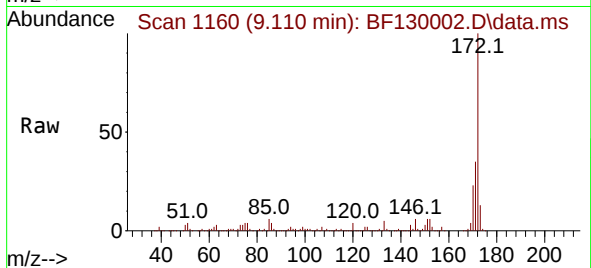
Tgt Ion:172 Resp: 691030

Ion Ratio Lower Upper

172 100

171 34.9 28.4 42.6

170 23.2 19.1 28.7



#50

Dimethylphthalate

Concen: 2.604 ng

RT: 9.792 min Scan# 1276

Delta R.T. 0.270 min

Lab File: BF130002.D

Acq: 25 Aug 2022 16:36

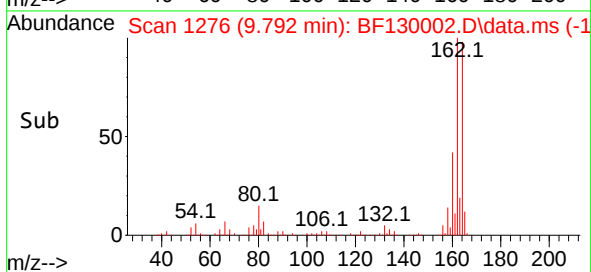
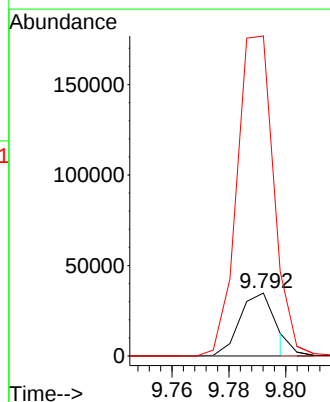
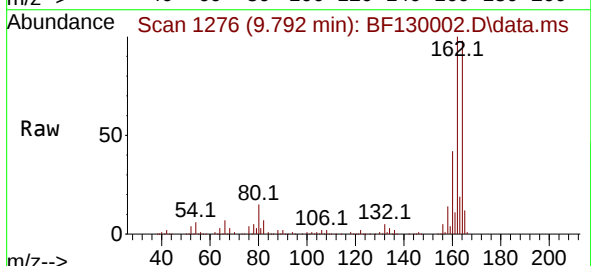
Tgt Ion:163 Resp: 29851

Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 509.3 8.2 12.2#

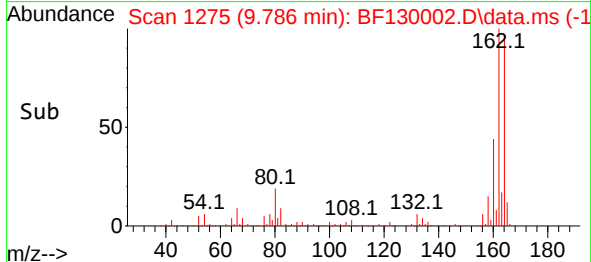
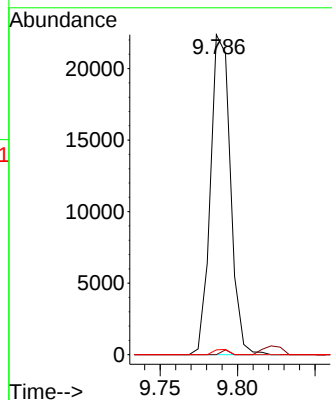
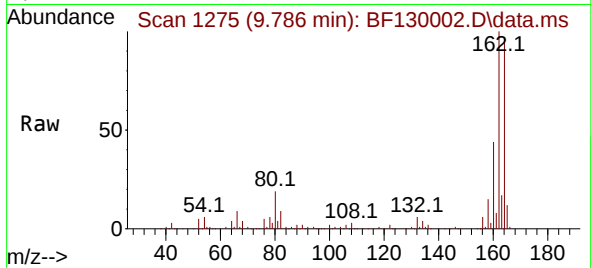




#51
2,6-Dinitrotoluene
Concen: 8.056 ng
RT: 9.786 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF130002.D
Acq: 25 Aug 2022 16:36

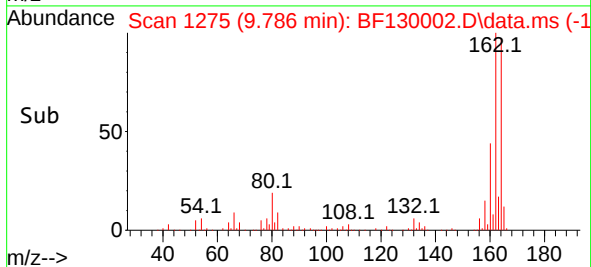
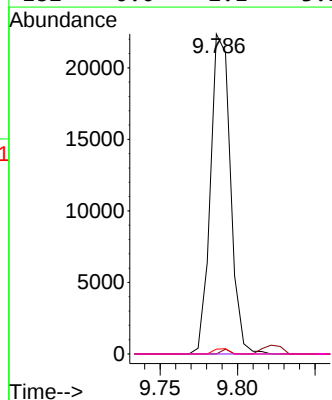
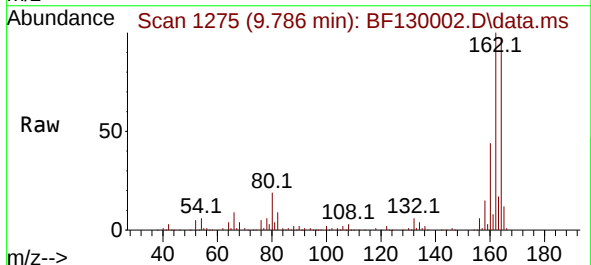
Instrument :
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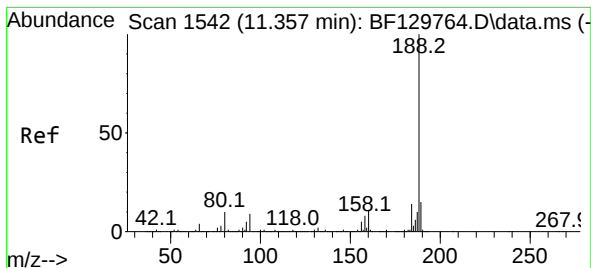
Tgt Ion:165 Resp: 20029
Ion Ratio Lower Upper
165 100
63 0.0 47.8 71.8#
89 1.5 47.2 70.8#



#57
2,4-Dinitrotoluene
Concen: 6.206 ng
RT: 9.786 min Scan# 1275
Delta R.T. -0.218 min
Lab File: BF130002.D
Acq: 25 Aug 2022 16:36

Tgt Ion:165 Resp: 20029
Ion Ratio Lower Upper
165 100
63 0.0 48.4 72.6#
89 1.5 62.3 93.5#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.280 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF130002.D

Acq: 25 Aug 2022 16:36

Instrument :

BNA_F

ClientSampleId :

SS-4

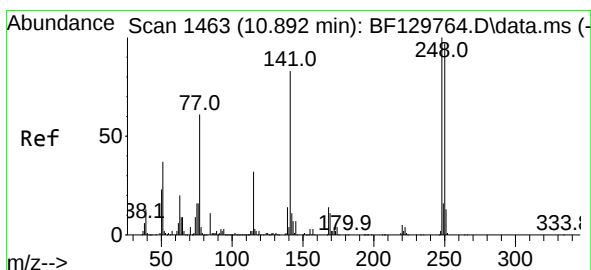
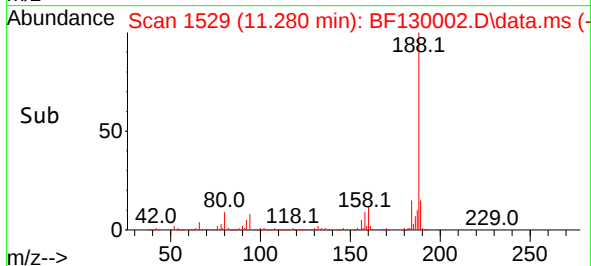
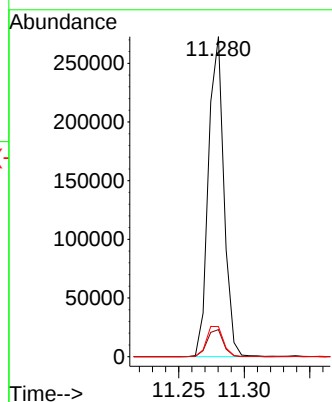
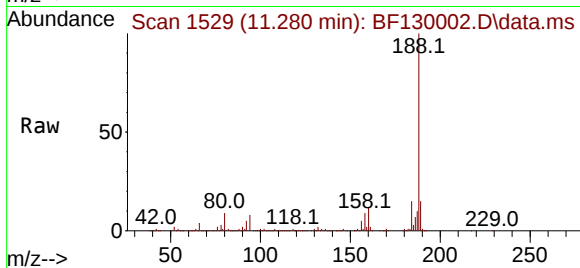
Tgt Ion:188 Resp: 224326

Ion Ratio Lower Upper

188 100

94 8.5 7.4 11.2

80 9.4 7.9 11.9



#67

4-Bromophenyl-phenylether

Concen: 2.546 ng

RT: 10.586 min Scan# 1411

Delta R.T. -0.235 min

Lab File: BF130002.D

Acq: 25 Aug 2022 16:36

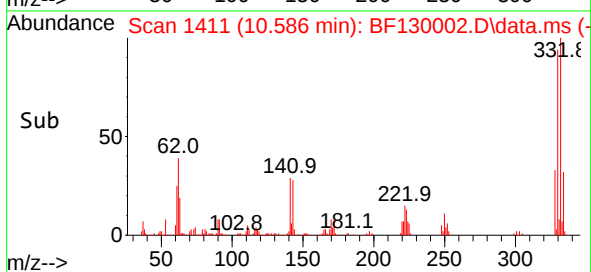
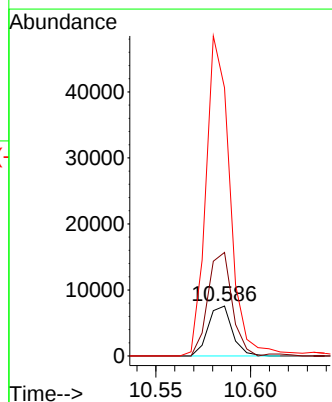
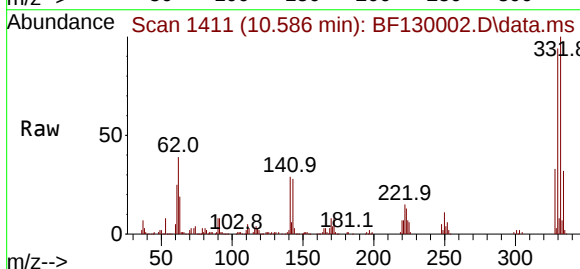
Tgt Ion:248 Resp: 6690

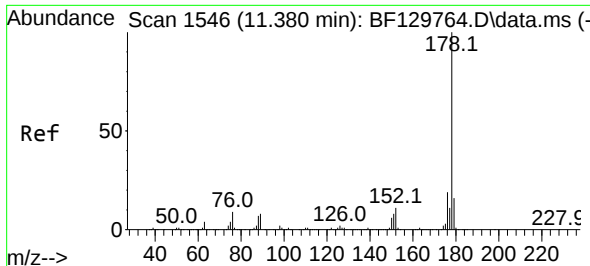
Ion Ratio Lower Upper

248 100

250 207.2 77.8 116.6#

141 536.4 66.2 99.2#

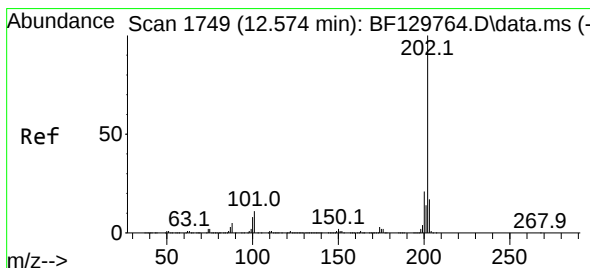
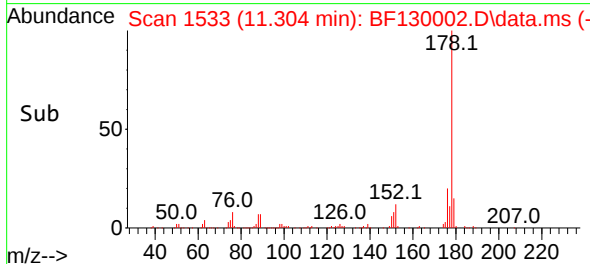
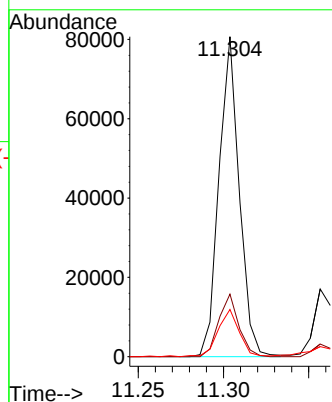
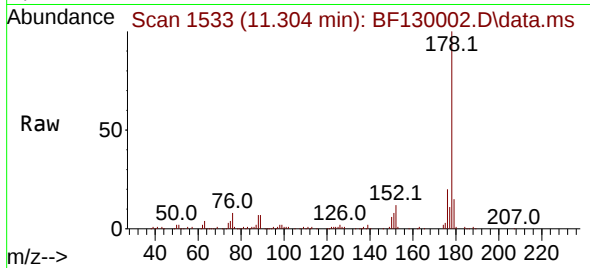




#71
Phenanthrene
Concen: 5.339 ng
RT: 11.304 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF130002.D
Acq: 25 Aug 2022 16:36

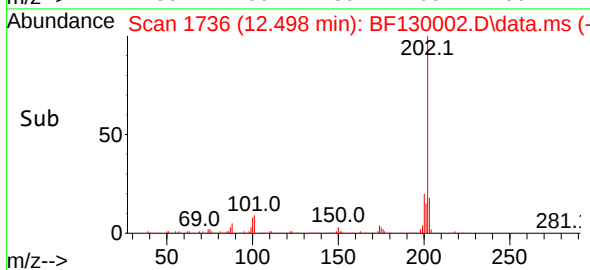
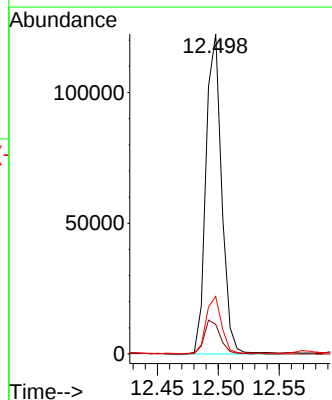
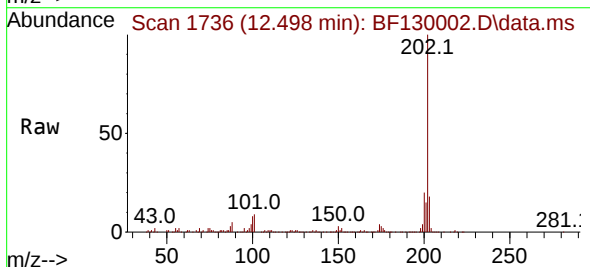
Instrument :
BNA_F
ClientSampleId :
SS-4

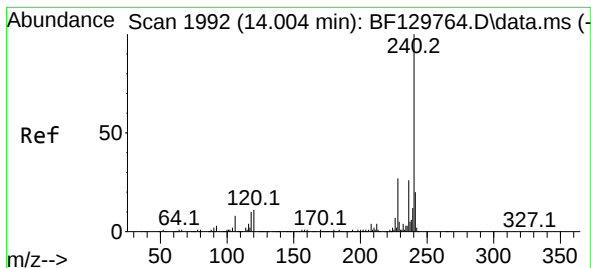
Tgt Ion:178 Resp: 66889
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 14.8 12.5 18.7



#75
Fluoranthene
Concen: 8.536 ng
RT: 12.498 min Scan# 1736
Delta R.T. -0.000 min
Lab File: BF130002.D
Acq: 25 Aug 2022 16:36

Tgt Ion:202 Resp: 109430
Ion Ratio Lower Upper
202 100
101 9.2 0.0 30.7
203 18.0 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.927 min Scan# 1992

Delta R.T. -0.000 min

Lab File: BF130002.D

Acq: 25 Aug 2022 16:36

Instrument :

BNA_F

ClientSampleId :

SS-4

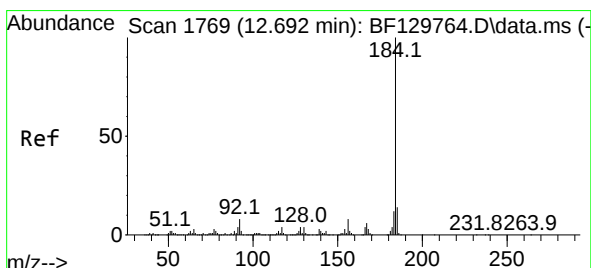
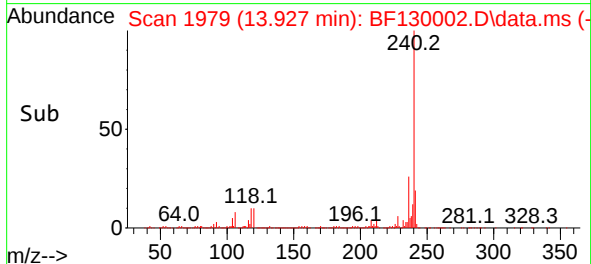
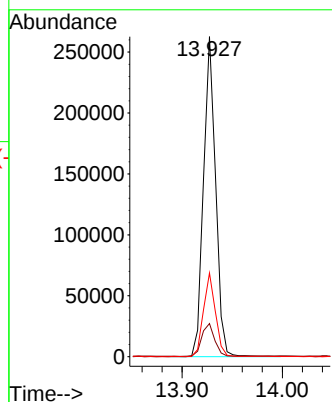
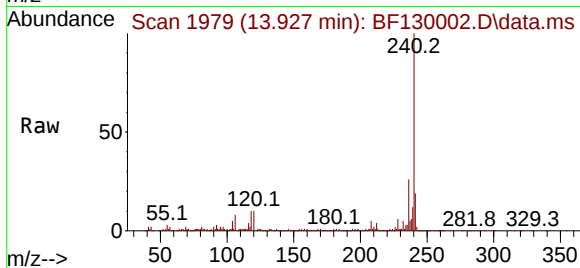
Tgt Ion:240 Resp: 221449

Ion Ratio Lower Upper

240 100

120 10.4 9.2 13.8

236 26.1 20.7 31.1



#77

Benzidine

Concen: Below Cal

RT: 12.621 min Scan# 1757

Delta R.T. -0.000 min

Lab File: BF130002.D

Acq: 25 Aug 2022 16:36

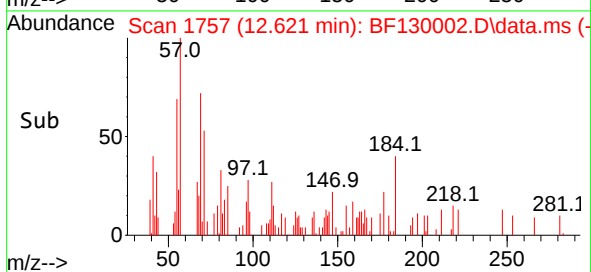
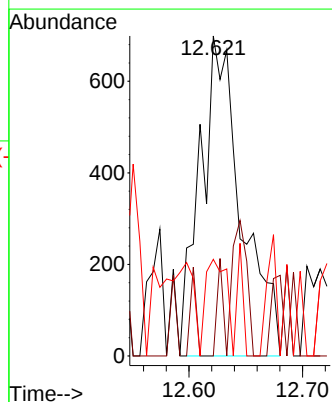
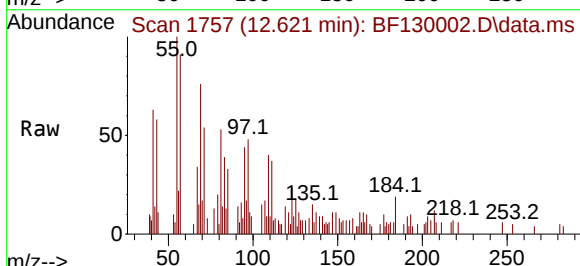
Tgt Ion:184 Resp: 1767

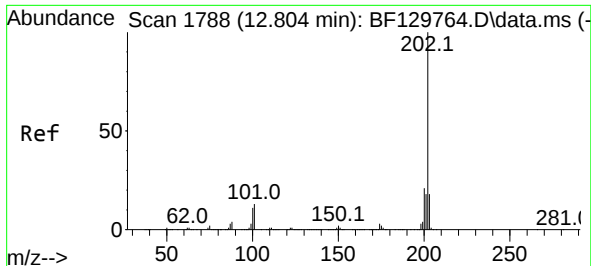
Ion Ratio Lower Upper

184 100

185 0.0 11.4 17.2#

183 30.2 9.4 14.2#

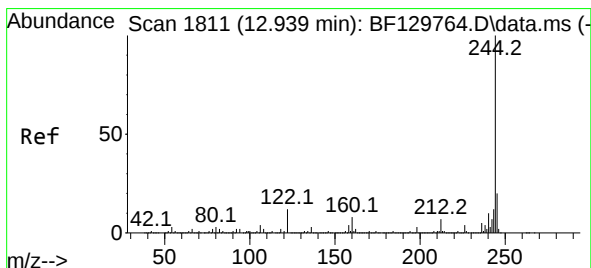
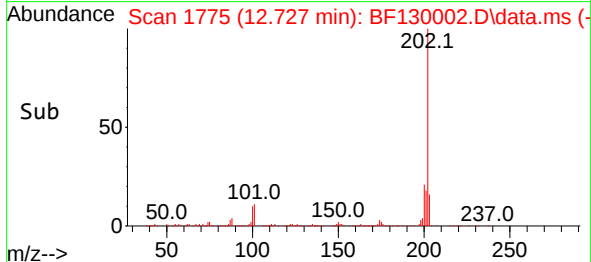
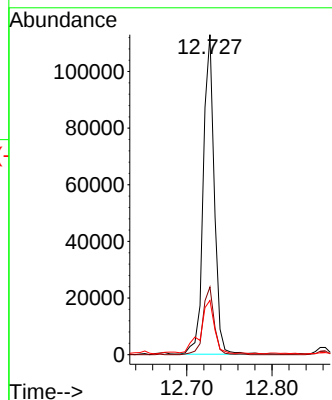
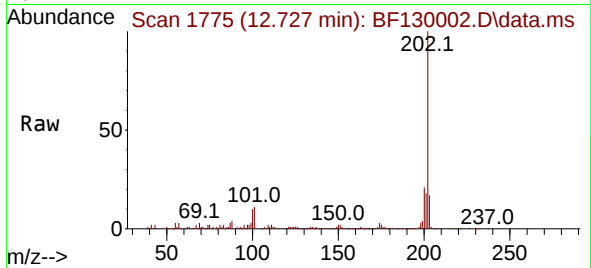




#78
Pyrene
Concen: 5.254 ng
RT: 12.727 min Scan# 1775
Delta R.T. -0.000 min
Lab File: BF130002.D
Acq: 25 Aug 2022 16:36

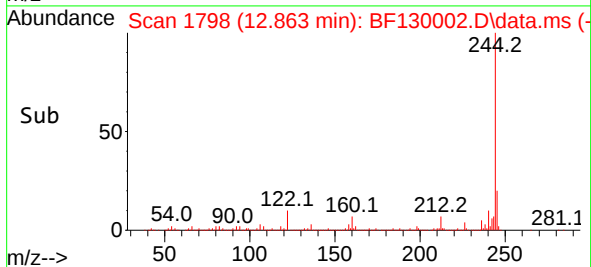
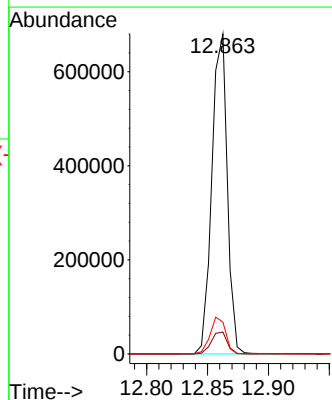
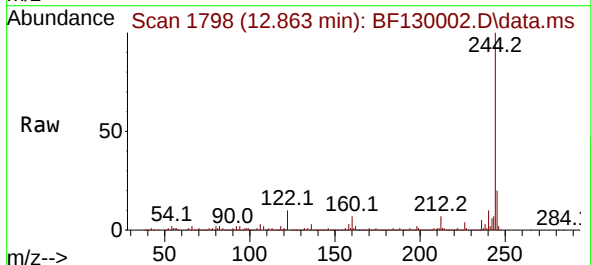
Instrument :
BNA_F
ClientSampleId :
SS-4

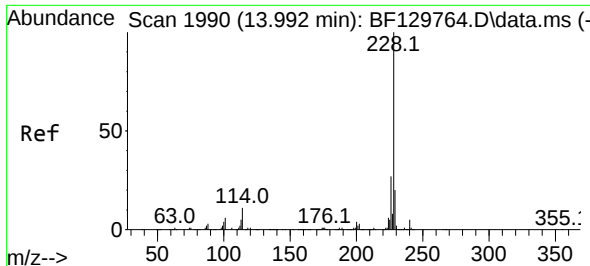
Tgt Ion:202 Resp: 101114
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.6
203 17.0 14.1 21.1



#79
Terphenyl-d14
Concen: 44.926 ng
RT: 12.863 min Scan# 1798
Delta R.T. -0.000 min
Lab File: BF130002.D
Acq: 25 Aug 2022 16:36

Tgt Ion:244 Resp: 597908
Ion Ratio Lower Upper
244 100
212 6.9 5.9 8.9
122 9.9 9.9 14.9

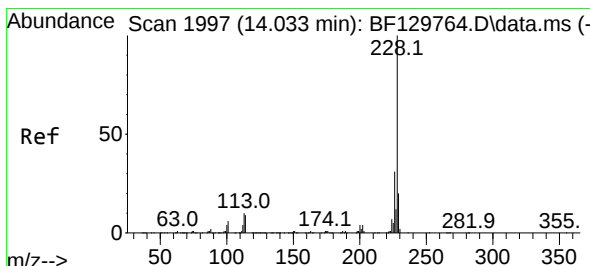
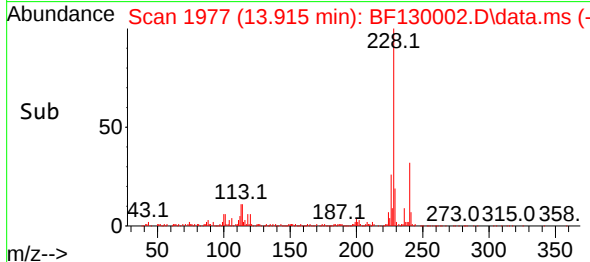
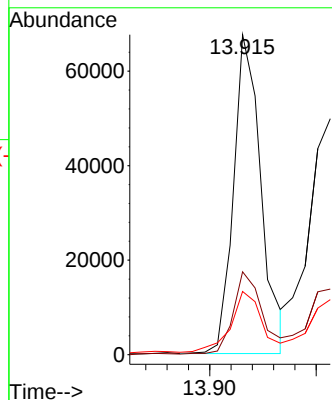
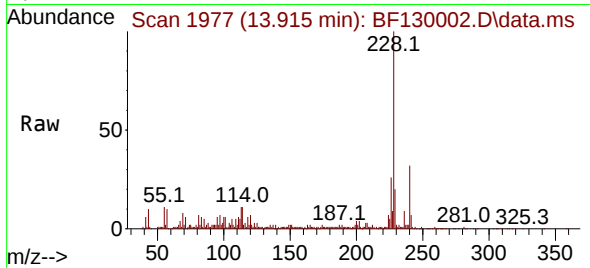




#81
Benzo(a)anthracene
Concen: 3.990 ng
RT: 13.915 min Scan# 1984
Delta R.T. -0.000 min
Lab File: BF130002.D
Acq: 25 Aug 2022 16:36

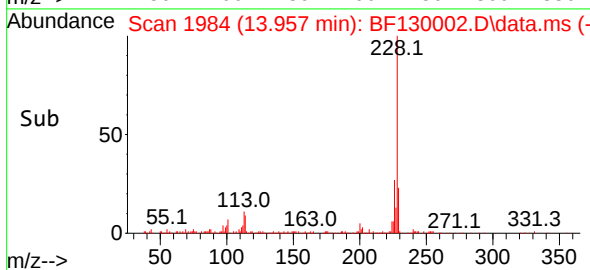
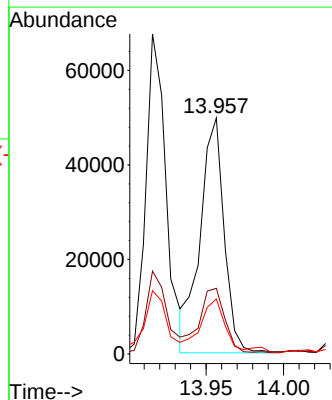
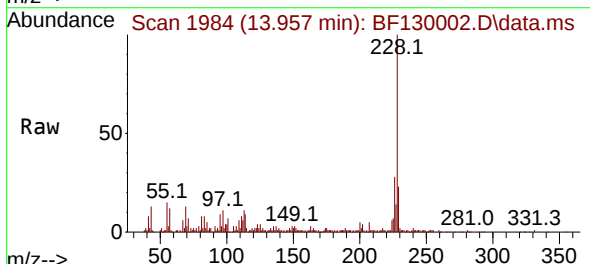
Instrument :
BNA_F
ClientSampleId :
SS-4

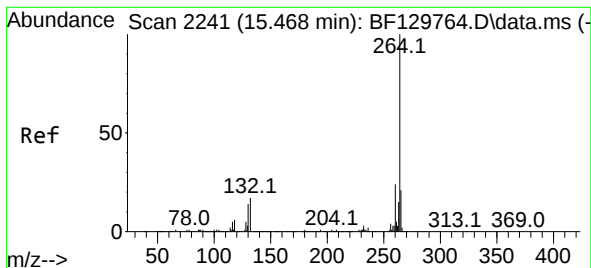
Tgt Ion:228 Resp: 60783
Ion Ratio Lower Upper
228 100
226 25.9 21.4 32.0
229 19.8 16.1 24.1



#83
Chrysene
Concen: 3.765 ng
RT: 13.957 min Scan# 1984
Delta R.T. 0.006 min
Lab File: BF130002.D
Acq: 25 Aug 2022 16:36

Tgt Ion:228 Resp: 53694
Ion Ratio Lower Upper
228 100
226 27.8 24.4 36.6
229 23.3 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.374 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF130002.D

Acq: 25 Aug 2022 16:36

Instrument :

BNA_F

ClientSampleId :

SS-4

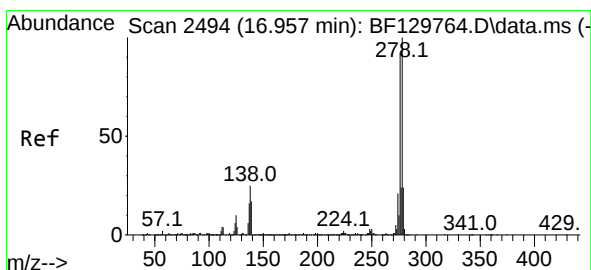
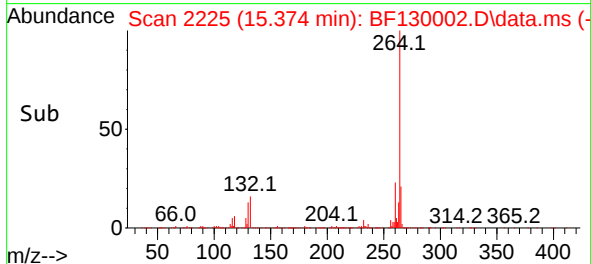
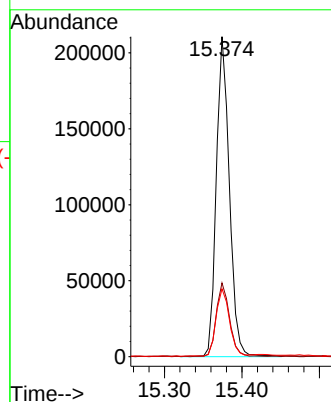
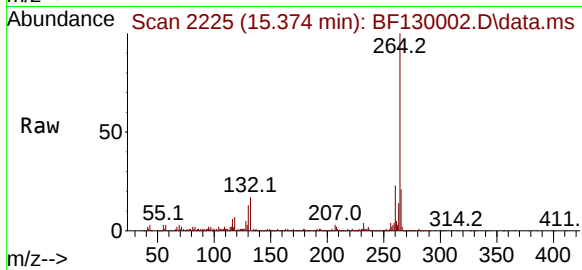
Tgt Ion:264 Resp: 247169

Ion Ratio Lower Upper

264 100

260 23.1 19.1 28.7

265 21.2 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.061 ng

RT: 16.827 min Scan# 2472

Delta R.T. 0.012 min

Lab File: BF130002.D

Acq: 25 Aug 2022 16:36

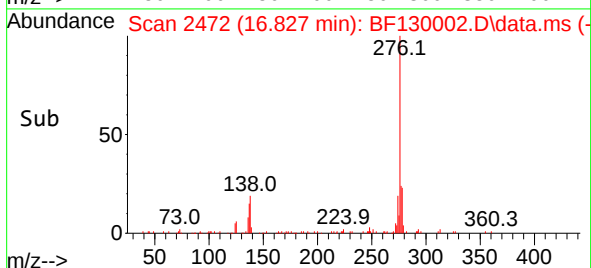
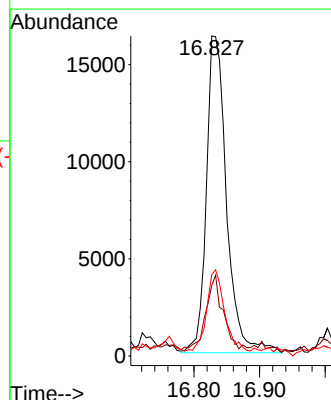
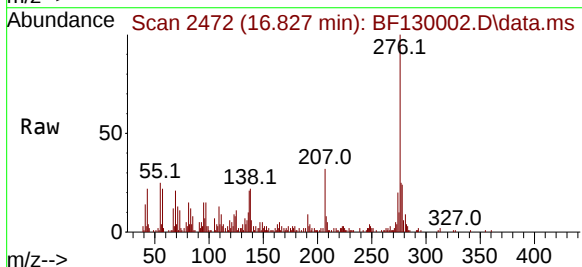
Tgt Ion:276 Resp: 34980

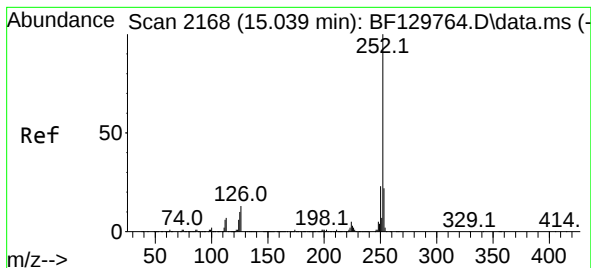
Ion Ratio Lower Upper

276 100

138 19.7 19.8 29.8#

277 23.0 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 6.274 ng

RT: 14.962 min Scan# 2155

Delta R.T. 0.012 min

Lab File: BF130002.D

Acq: 25 Aug 2022 16:36

Instrument :

BNA_F

ClientSampleId :

SS-4

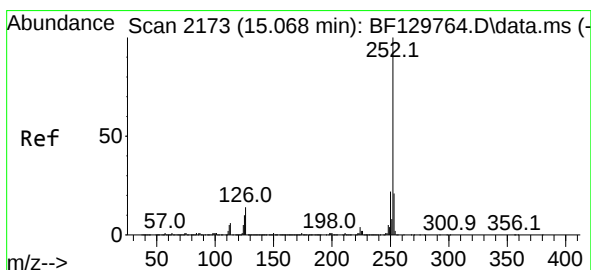
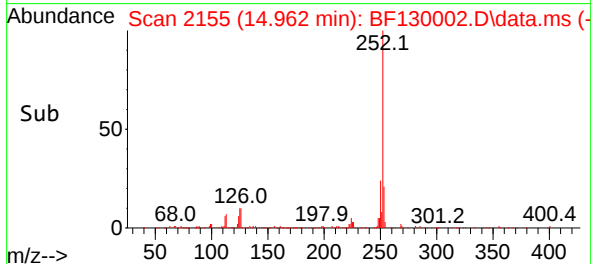
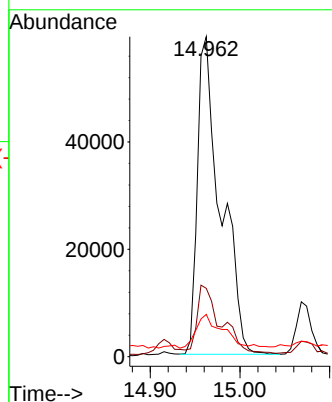
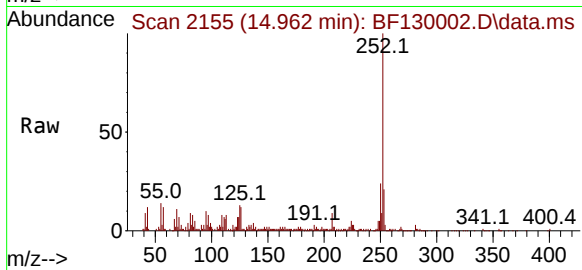
Tgt Ion:252 Resp: 106187

Ion Ratio Lower Upper

252 100

253 21.4 17.5 26.3

125 13.2 8.3 12.5#



#89

Benzo(k)fluoranthene

Concen: 6.542 ng

RT: 14.962 min Scan# 2155

Delta R.T. -0.018 min

Lab File: BF130002.D

Acq: 25 Aug 2022 16:36

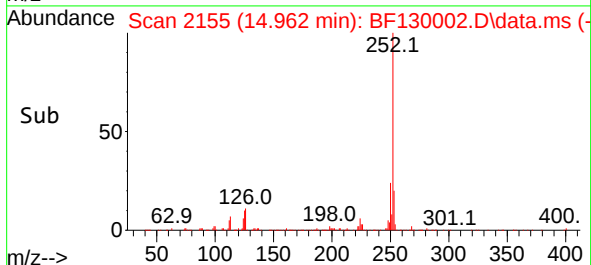
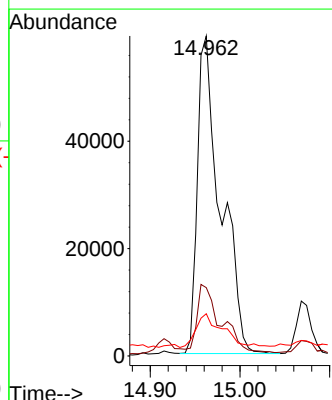
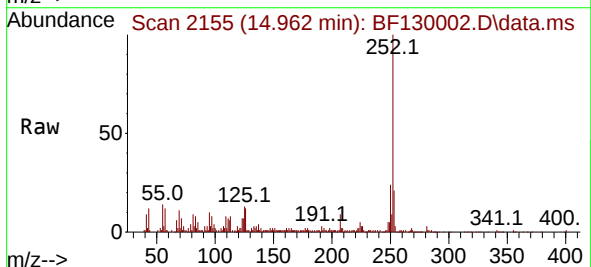
Tgt Ion:252 Resp: 106187

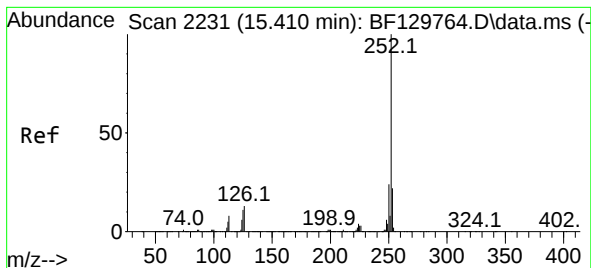
Ion Ratio Lower Upper

252 100

253 21.4 17.1 25.7

125 13.2 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 4.369 ng

RT: 15.321 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF130002.D

Acq: 25 Aug 2022 16:36

Instrument :

BNA_F

ClientSampleId :

SS-4

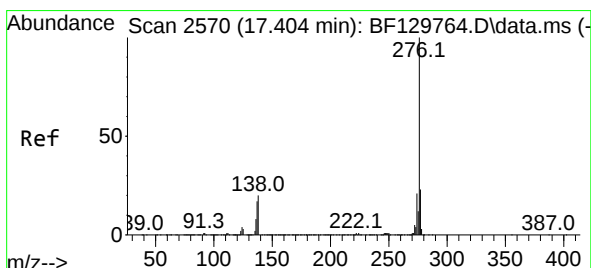
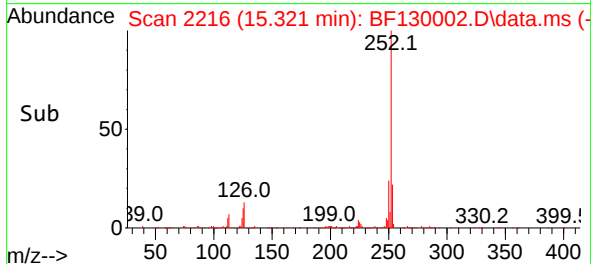
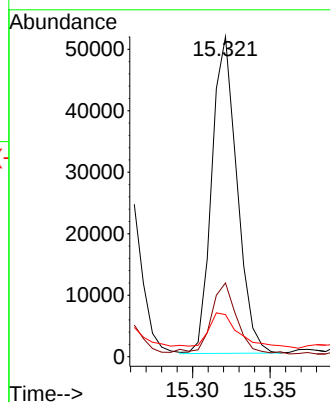
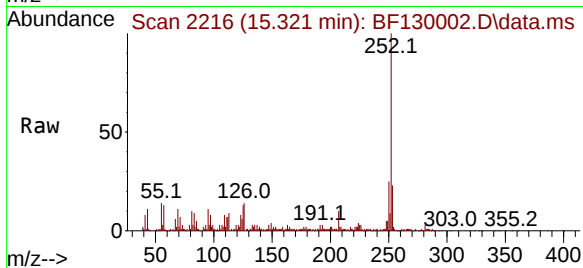
Tgt Ion:252 Resp: 58225

Ion Ratio Lower Upper

252 100

253 23.0 17.2 25.8

125 13.2 8.8 13.2



#92

Benzo(g,h,i)perylene

Concen: 2.326 ng

RT: 17.274 min Scan# 2548

Delta R.T. 0.029 min

Lab File: BF130002.D

Acq: 25 Aug 2022 16:36

Tgt Ion:276 Resp: 32483

Ion Ratio Lower Upper

276 100

277 24.6 18.2 27.4

138 19.2 15.8 23.8

