

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110222\
 Data File : BF130946.D
 Acq On : 02 Nov 2022 23:51
 Operator : CG\JU
 Sample : N5395-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-6-103122

Quant Time: Nov 03 03:49:55 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 03 03:37:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	59222	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	200782	20.000	ng	# 0.00
39) Acenaphthene-d10	9.969	164	87043	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	141668	20.000	ng	-0.01
76) Chrysene-d12	14.110	240	147377	20.000	ng	-0.01
86) Perylene-d12	15.621	264	140059	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	383679	112.315	ng	0.00
7) Phenol-d6	6.545	99	466904	105.177	ng	0.00
23) Nitrobenzene-d5	7.487	82	326420	98.030	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	90611	123.663	ng	-0.01
45) 2-Fluorobiphenyl	9.286	172	491600	85.388	ng	0.00
79) Terphenyl-d14	13.051	244	446762	55.549	ng	0.00
Target Compounds						Qvalue
17) 2-Methylphenol	7.316	107	9046	2.781	ng	# 72
19) n-Nitroso-di-n-propyla...	7.487	70	45640	15.111	ng	# 78
20) 3+4-Methylphenols	7.316	107	9046	2.139	ng	87
25) Isophorone	7.487	82	326406	47.536	ng	# 66
32) Benzoic acid	7.969	122	56	7.703	ng	# 34
48) 2-Nitroaniline	9.581	65	66	4.185	ng	# 12
51) 2,6-Dinitrotoluene	9.969	165	11505	12.324	ng	# 14
57) 2,4-Dinitrotoluene	9.969	165	11505	11.141	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.757	198	230	8.253	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	5770	4.050	ng	# 1
71) Phenanthrene	11.480	178	56748	7.761	ng	99
72) Anthracene	11.533	178	15459	2.144	ng	95
75) Fluoranthene	12.674	202	162237	20.883	ng	99
77) Benzidine	13.051	184	7645	2.137	ng	# 93
78) Pyrene	12.910	202	146371	11.772	ng	97
81) Benzo(a)anthracene	14.133	228	93595	9.579	ng	96
83) Chrysene	14.133	228	93595	9.930	ng	99
87) Indeno(1,2,3-cd)pyrene	17.151	276	42095	4.526	ng	95
88) Benzo(b)fluoranthene	15.174	252	164225	18.139	ng	# 97
89) Benzo(k)fluoranthene	15.174	252	164225	18.615	ng	98
90) Benzo(a)pyrene	15.557	252	83102	11.418	ng	97
92) Benzo(g,h,i)perylene	17.615	276	37833	4.891	ng	96

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

BNA F

BNA F

ClientSampleId :

S-6-103122

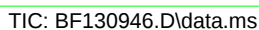
Quant Time: Nov 03 03:49:55 2022

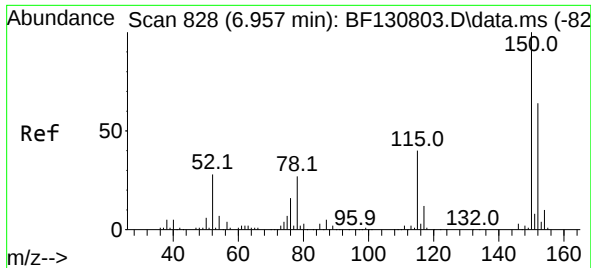
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Nov 03 03:37:09 2022

Response via : Initial Calibration

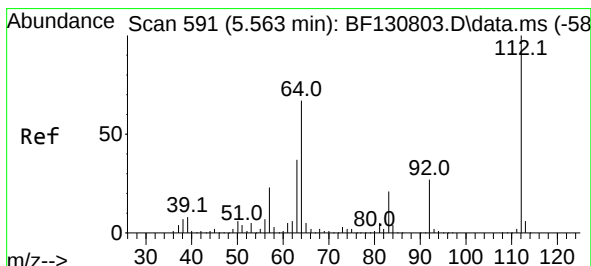
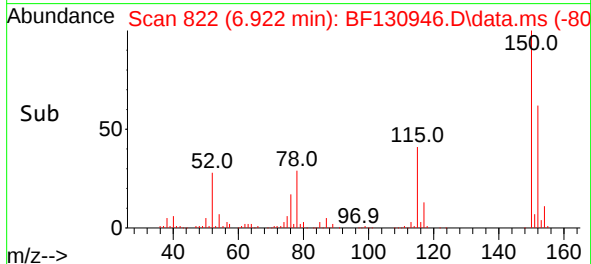
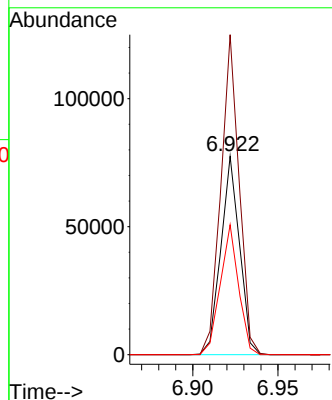
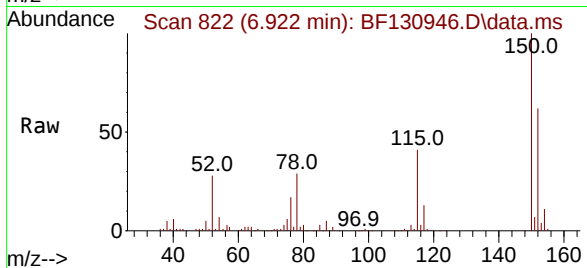




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130946.D
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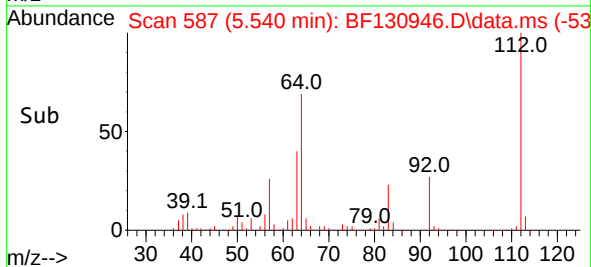
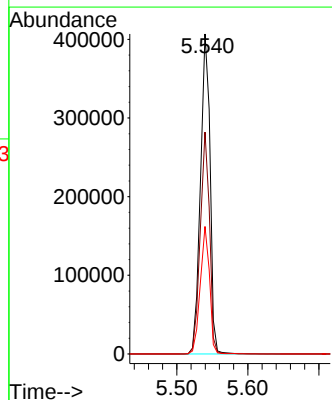
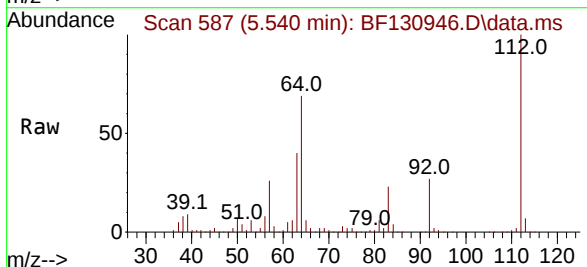
Instrument :
BNA_F
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S-6-103122

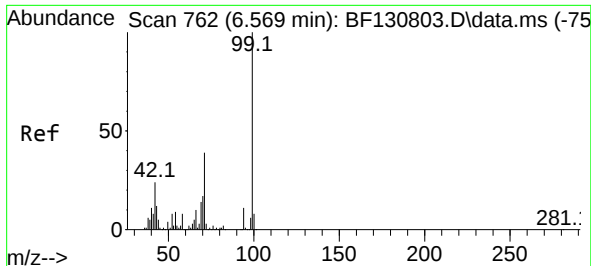
Tgt Ion:152 Resp: 59222
Ion Ratio Lower Upper
152 100
150 161.2 124.1 186.1
115 65.4 50.1 75.1



#5
2-Fluorophenol
Concen: 112.315 ng
RT: 5.540 min Scan# 587
Delta R.T. -0.000 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

Tgt Ion:112 Resp: 383679
Ion Ratio Lower Upper
112 100
64 69.4 53.9 80.9
63 39.9 29.4 44.2





#7

Phenol-d6

Concen: 105.177 ng

RT: 6.545 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF130946.D

Acq: 02 Nov 2022 23:51

Instrument :

BNA_F

ClientSampleId :

S-6-103122

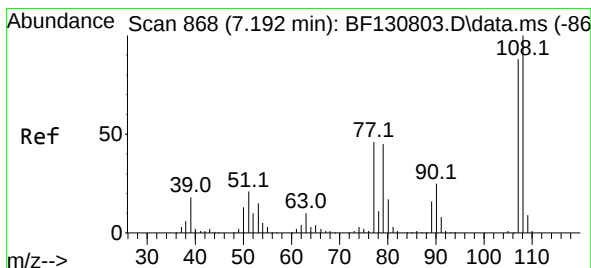
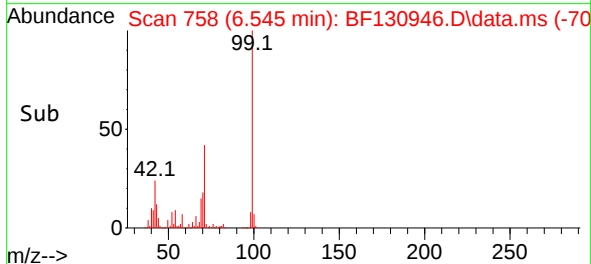
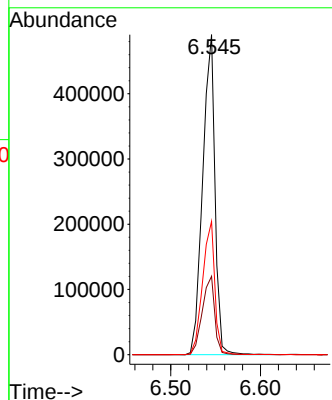
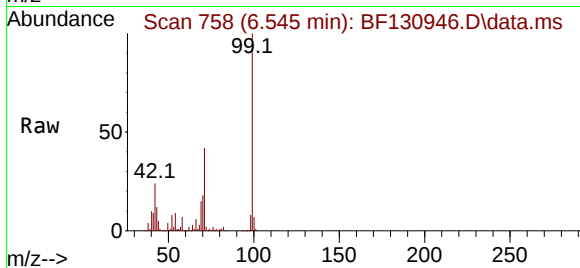
Tgt Ion: 99 Resp: 466904

Ion Ratio Lower Upper

99 100

42 24.5 18.8 28.2

71 41.7 31.4 47.0



#17

2-Methylphenol

Concen: 2.781 ng

RT: 7.316 min Scan# 889

Delta R.T. 0.141 min

Lab File: BF130946.D

Acq: 02 Nov 2022 23:51

Tgt Ion: 107 Resp: 9046

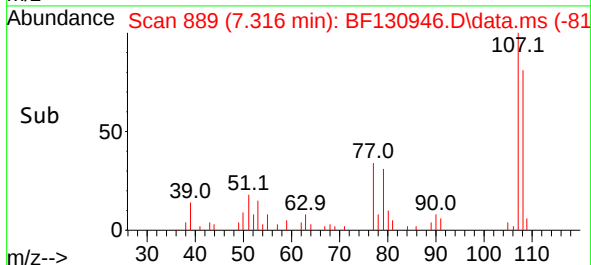
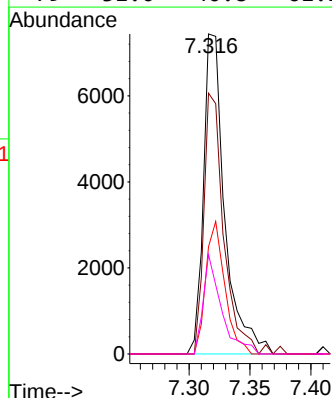
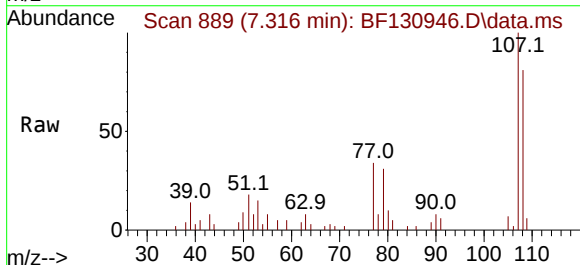
Ion Ratio Lower Upper

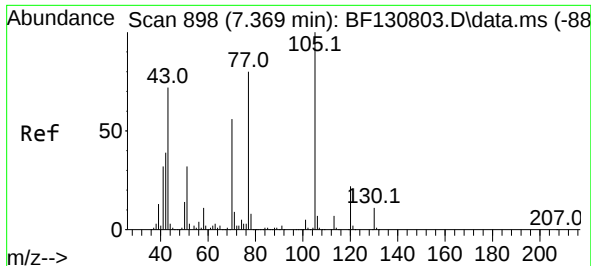
107 100

108 81.5 90.5 135.7#

77 33.5 41.2 61.8#

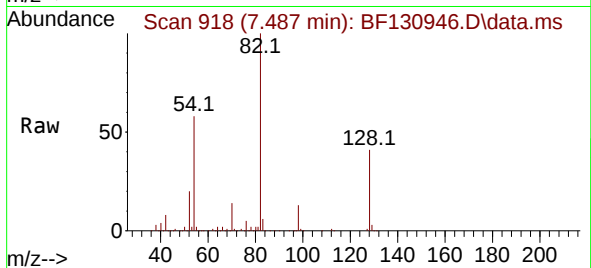
79 31.0 40.8 61.2#



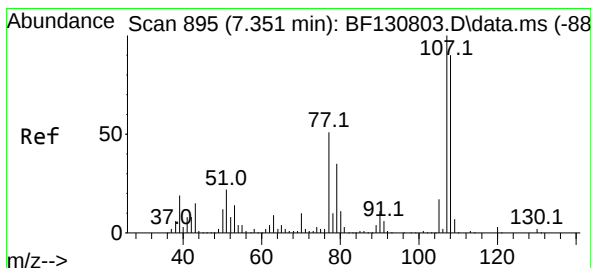
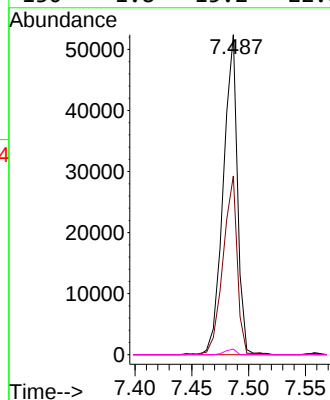
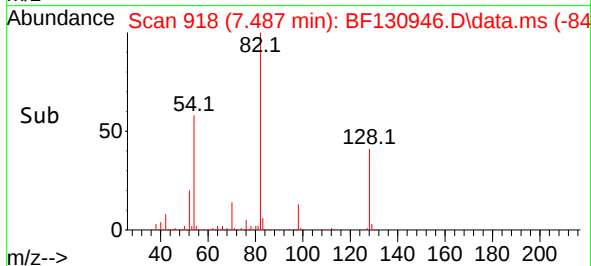


#19
n-Nitroso-di-n-propylamine
Concen: 15.111 ng
RT: 7.487 min Scan# 918
Delta R.T. 0.147 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

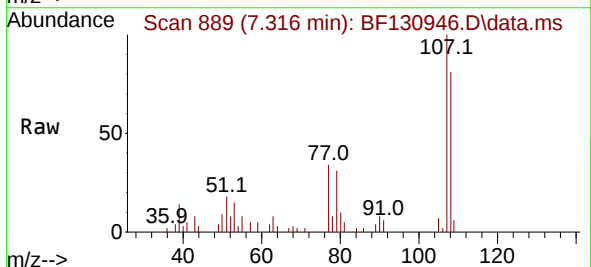
Instrument :
BNA_F
ClientSampleId :
S-6-103122



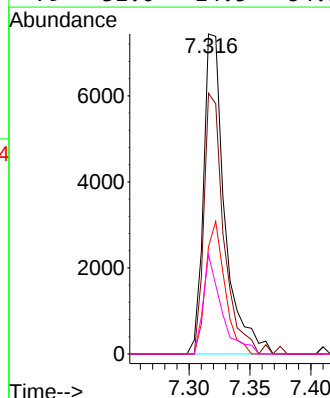
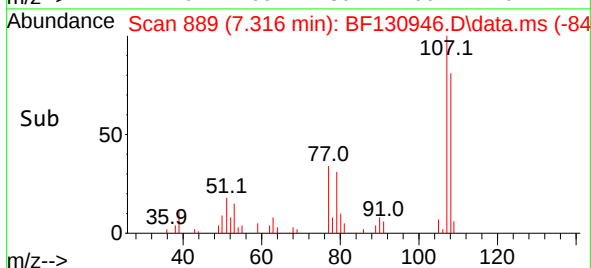
Tgt Ion: 70 Resp: 45640
Ion Ratio Lower Upper
70 100
42 55.8 56.1 84.1#
101 0.0 7.3 10.9#
130 1.8 15.2 22.8#

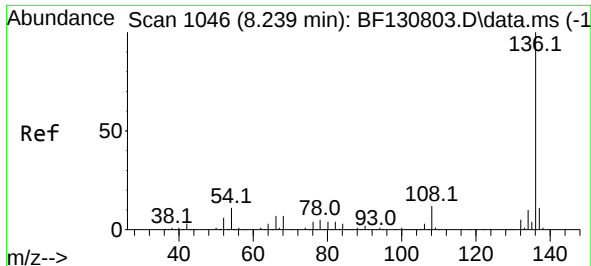


#20
3+4-Methylphenols
Concen: 2.139 ng
RT: 7.316 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51



Tgt Ion: 107 Resp: 9046
Ion Ratio Lower Upper
107 100
108 81.5 70.4 110.4
77 33.5 31.1 71.1
79 31.0 14.5 54.5

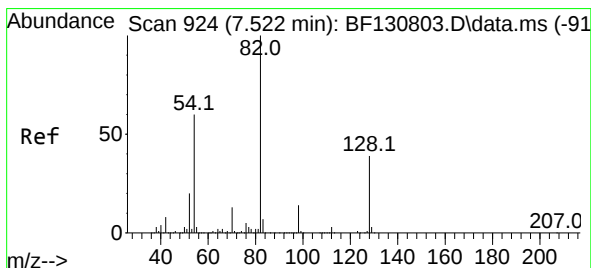
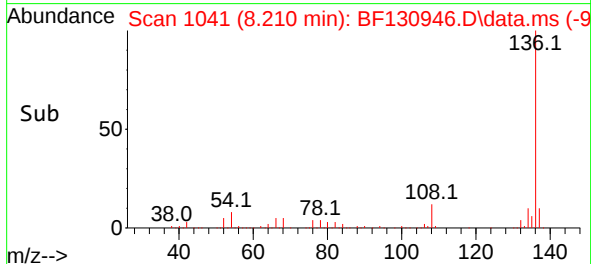
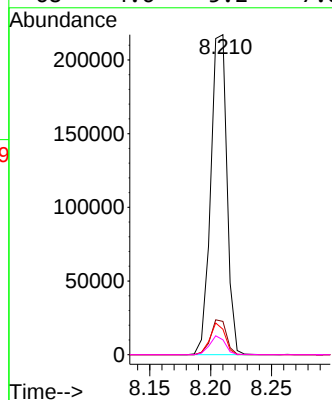
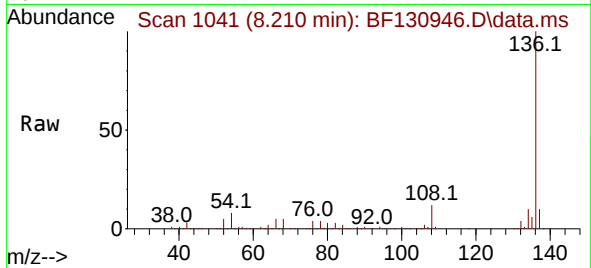




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

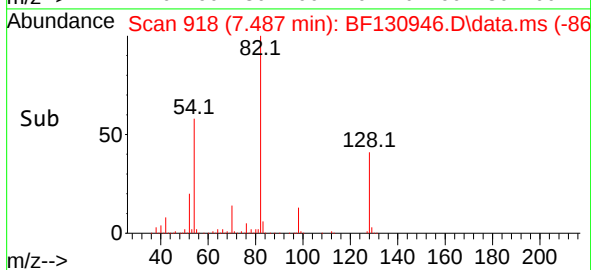
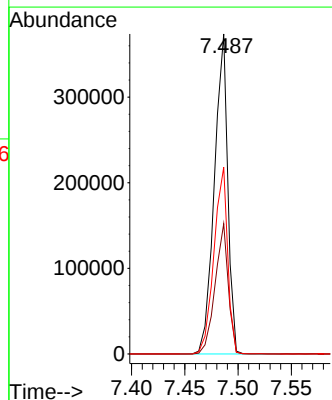
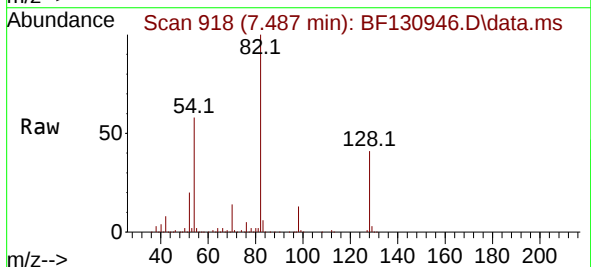
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ClientSampleId :
S-6-103122

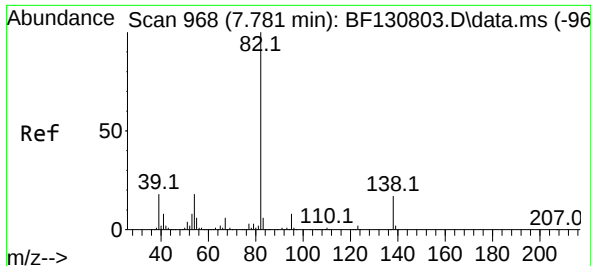
Tgt Ion:136 Resp: 200782
Ion Ratio Lower Upper
136 100
137 10.4 9.2 13.8
54 8.0 8.8 13.2#
68 4.6 5.2 7.8#



#23
Nitrobenzene-d5
Concen: 98.030 ng
RT: 7.487 min Scan# 918
Delta R.T. -0.006 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

Tgt Ion: 82 Resp: 326420
Ion Ratio Lower Upper
82 100
128 40.7 31.2 46.8
54 58.3 48.0 72.0

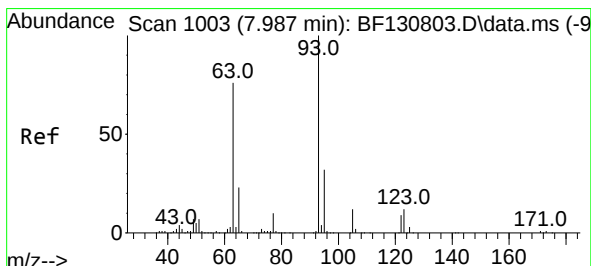
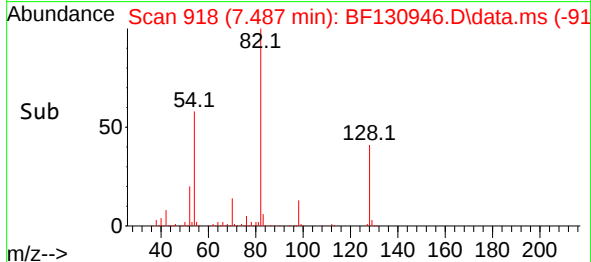
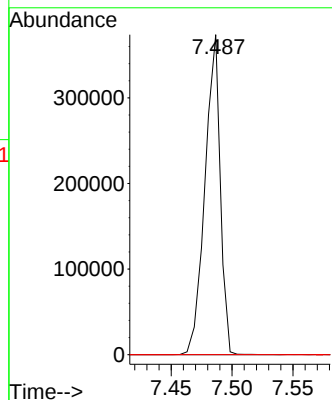
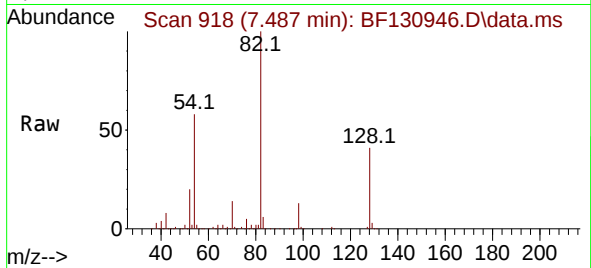




#25
Isophorone
Concen: 47.536 ng
RT: 7.487 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

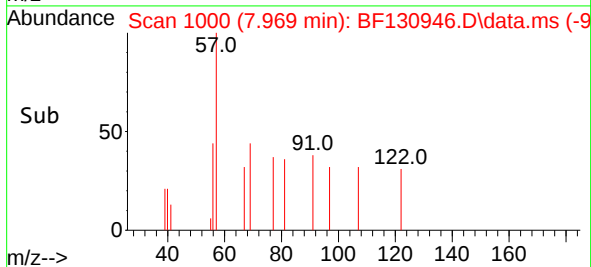
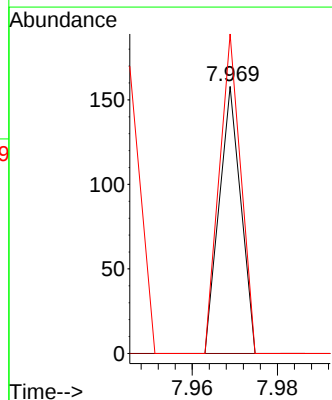
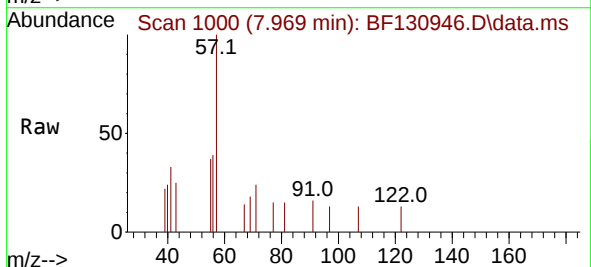
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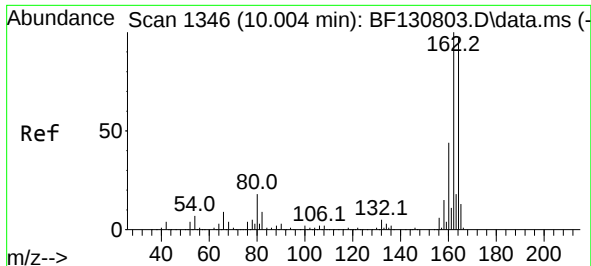
Tgt Ion: 82 Resp: 326406
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.703 ng
RT: 7.969 min Scan# 1000
Delta R.T. -0.000 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

Tgt Ion: 122 Resp: 56
Ion Ratio Lower Upper
122 100
105 0.0 114.5 154.5#
77 119.6 89.8 129.8

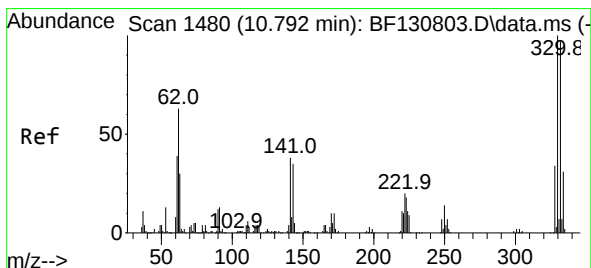
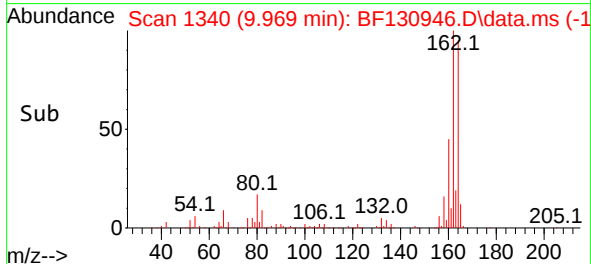
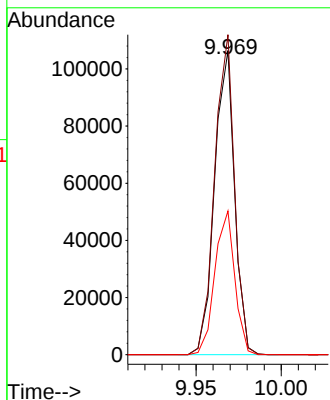
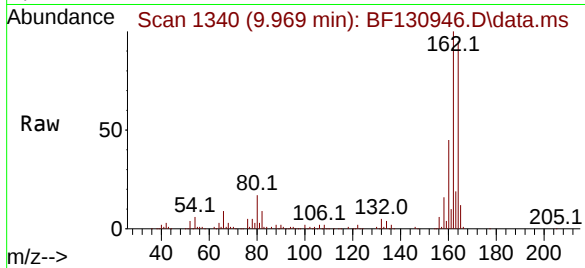




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

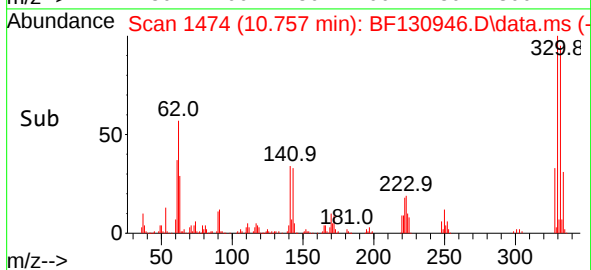
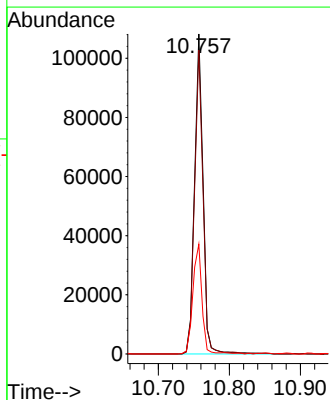
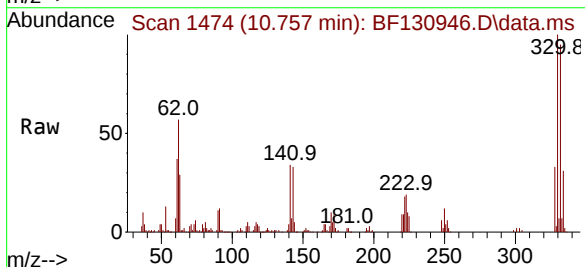
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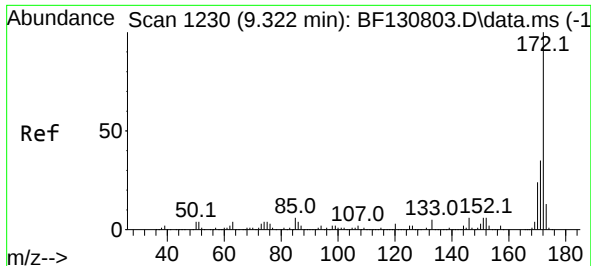
Tgt Ion:164 Resp: 87043
Ion Ratio Lower Upper
164 100
162 105.2 82.2 123.2
160 47.3 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 123.663 ng
RT: 10.757 min Scan# 1474
Delta R.T. -0.012 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

Tgt Ion:330 Resp: 90611
Ion Ratio Lower Upper
330 100
332 94.6 76.2 114.4
141 36.8 31.4 47.0





#45

2-Fluorobiphenyl

Concen: 85.388 ng

RT: 9.286 min Scan# 1224

Delta R.T. -0.006 min

Lab File: BF130946.D

Acq: 02 Nov 2022 23:51

Instrument :

BNA_F

ClientSampleId :

S-6-103122

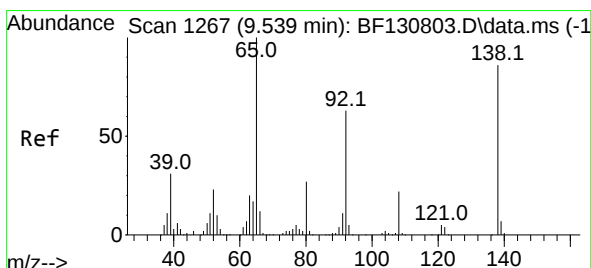
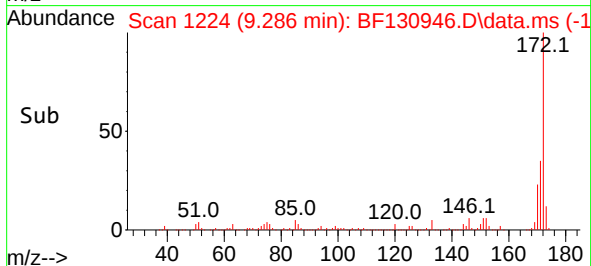
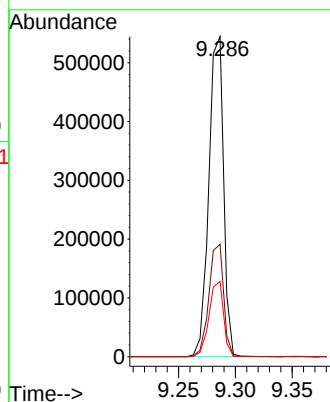
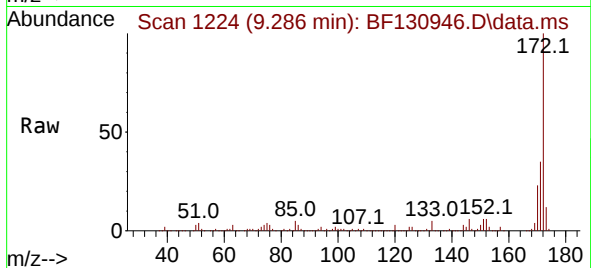
Tgt Ion:172 Resp: 491600

Ion Ratio Lower Upper

172 100

171 35.1 28.1 42.1

170 23.5 19.0 28.4



#48

2-Nitroaniline

Concen: 4.185 ng

RT: 9.581 min Scan# 1274

Delta R.T. 0.065 min

Lab File: BF130946.D

Acq: 02 Nov 2022 23:51

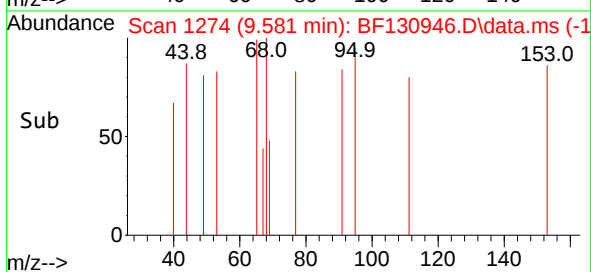
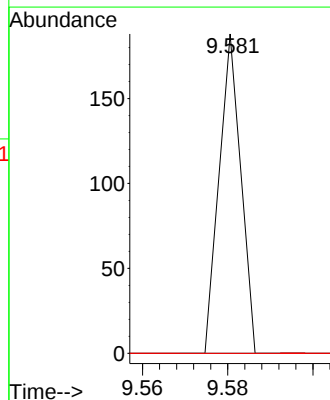
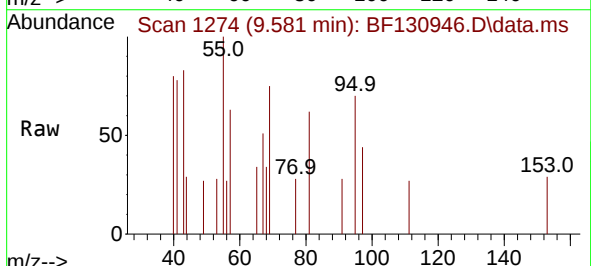
Tgt Ion: 65 Resp: 66

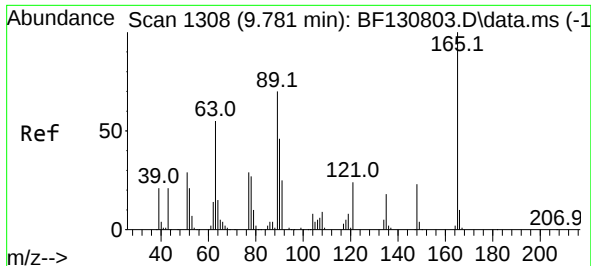
Ion Ratio Lower Upper

65 100

92 0.0 50.1 75.1#

138 0.0 69.2 103.8#





#51

2,6-Dinitrotoluene

Concen: 12.324 ng

RT: 9.969 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF130946.D

Acq: 02 Nov 2022 23:51

Instrument :

BNA_F

ClientSampleId :

S-6-103122

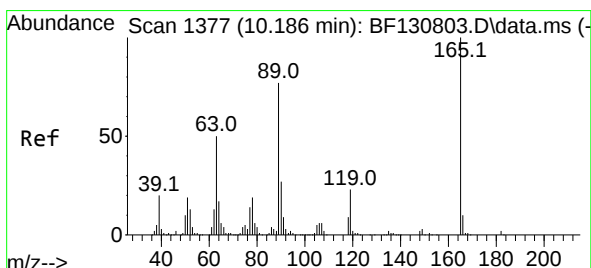
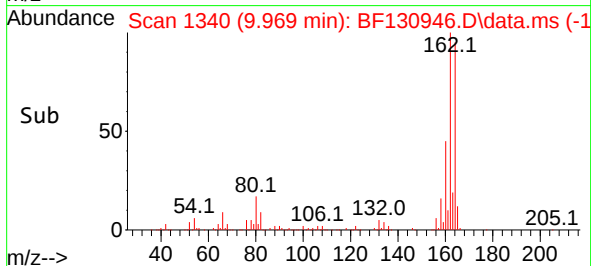
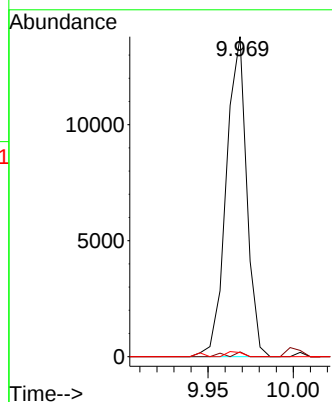
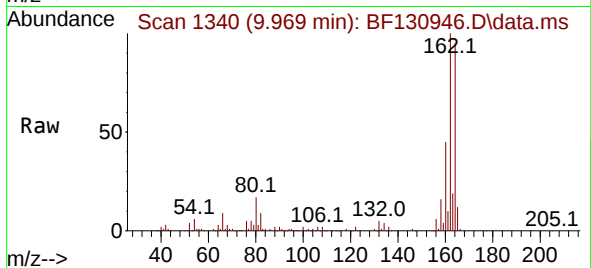
Tgt Ion:165 Resp: 11505

Ion Ratio Lower Upper

165 100

63 1.5 61.8 92.8#

89 1.3 56.2 84.4#



#57

2,4-Dinitrotoluene

Concen: 11.141 ng

RT: 9.969 min Scan# 1340

Delta R.T. -0.194 min

Lab File: BF130946.D

Acq: 02 Nov 2022 23:51

Tgt Ion:165 Resp: 11505

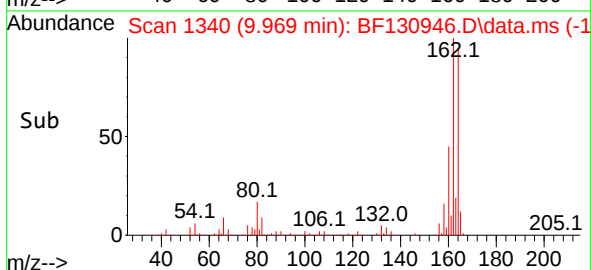
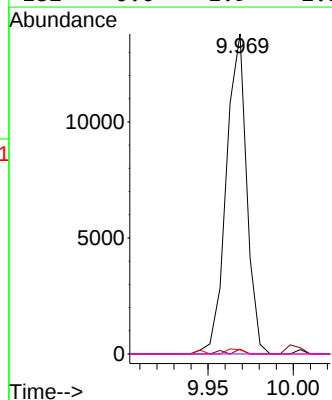
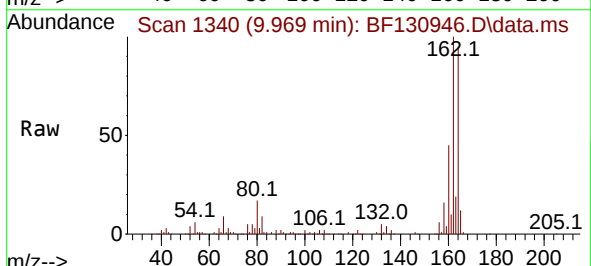
Ion Ratio Lower Upper

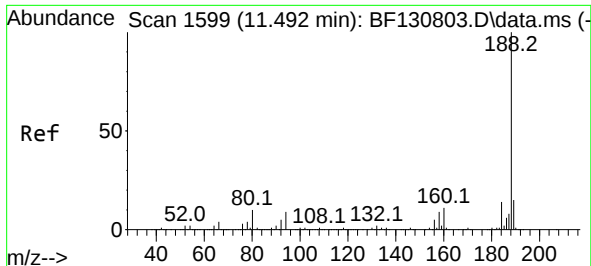
165 100

63 1.5 39.8 59.6#

89 1.3 61.9 92.9#

182 0.0 1.9 2.9#

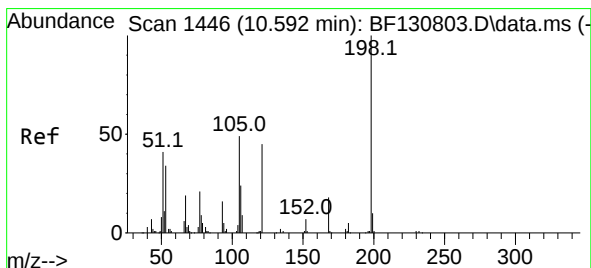
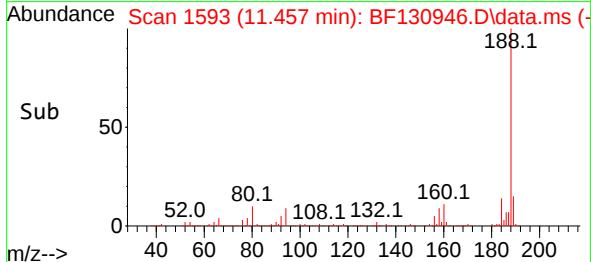
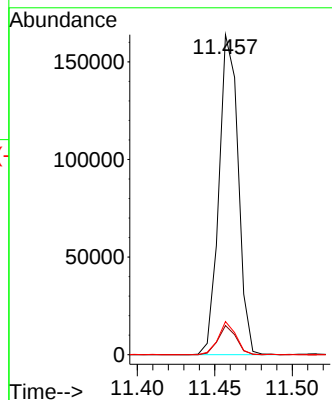
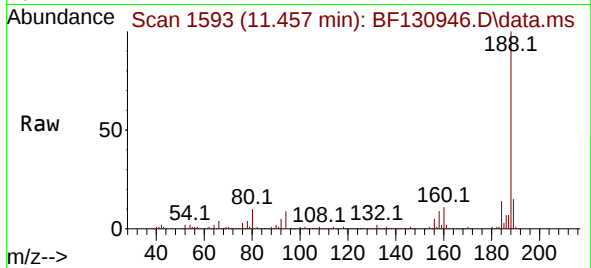




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

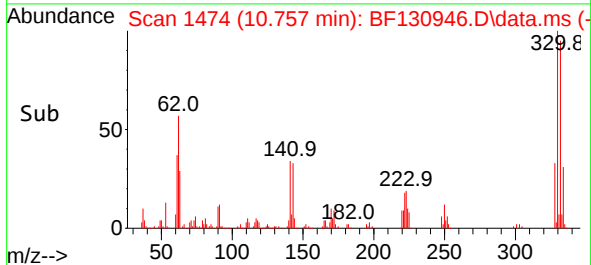
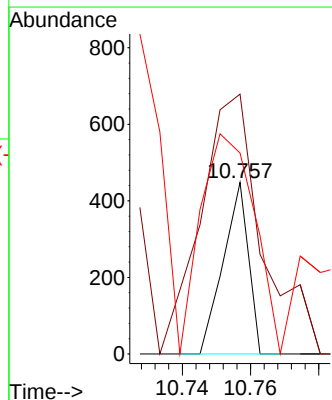
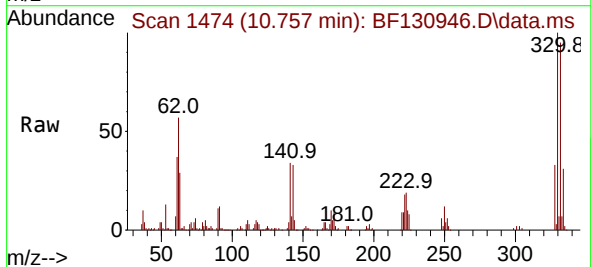
Instrument :
BNA_F
ClientSampleId :
S-6-103122

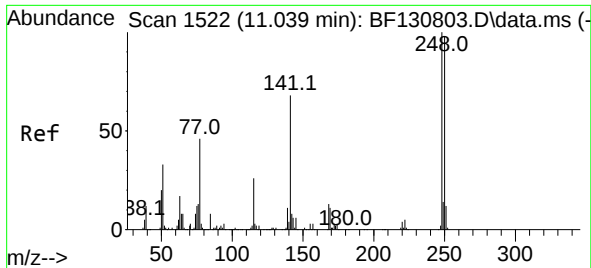
Tgt Ion:188 Resp: 141668
Ion Ratio Lower Upper
188 100
94 9.1 7.4 11.2
80 10.4 8.0 12.0



#65
4,6-Dinitro-2-methylphenol
Concen: 8.253 ng
RT: 10.757 min Scan# 1474
Delta R.T. 0.188 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

Tgt Ion:198 Resp: 230
Ion Ratio Lower Upper
198 100
51 151.6 39.0 79.0#
105 117.2 30.6 70.6#

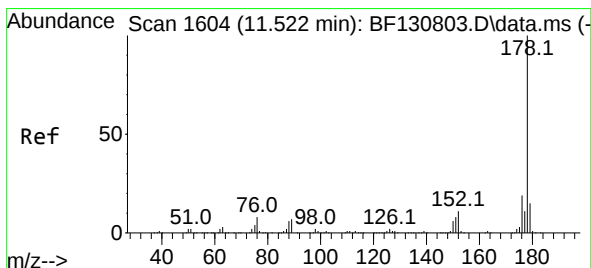
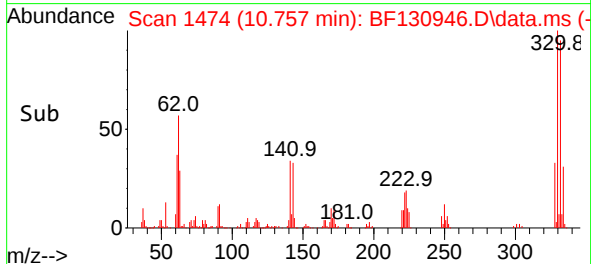
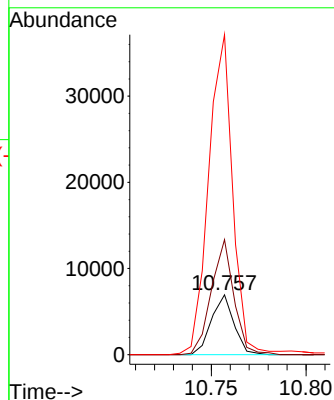
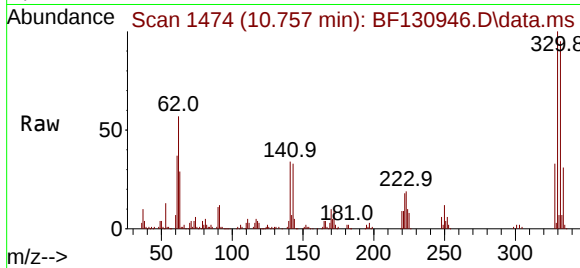




#67
4-Bromophenyl-phenylether
Concen: 4.050 ng
RT: 10.757 min Scan# 1474
Delta R.T. -0.253 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

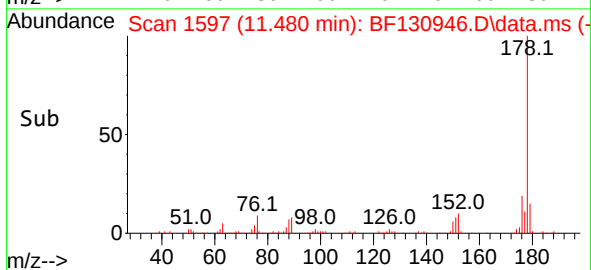
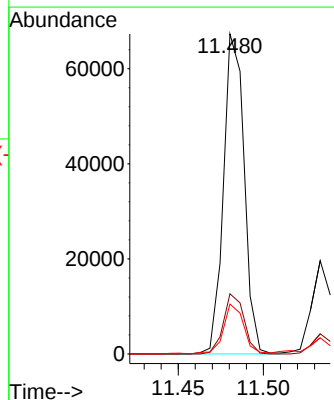
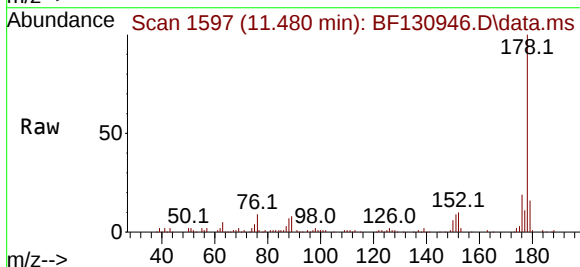
Instrument :
BNA_F
ClientSampleId :
S-6-103122

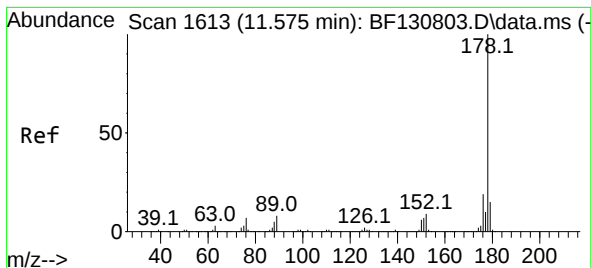
Tgt Ion:248 Resp: 5770
Ion Ratio Lower Upper
248 100
250 191.9 78.6 117.8#
141 534.1 54.2 81.4#



#71
Phenanthrene
Concen: 7.761 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.012 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

Tgt Ion:178 Resp: 56748
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 15.6 12.2 18.2





#72

Anthracene

Concen: 2.144 ng

RT: 11.533 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF130946.D

Acq: 02 Nov 2022 23:51

Instrument :

BNA_F

ClientSampleId :

S-6-103122

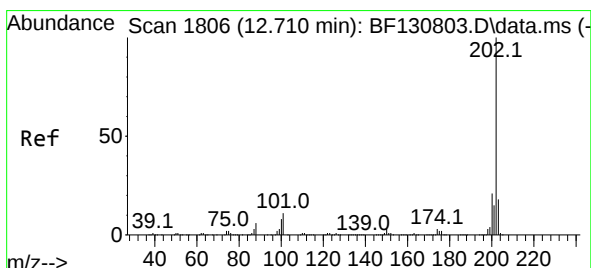
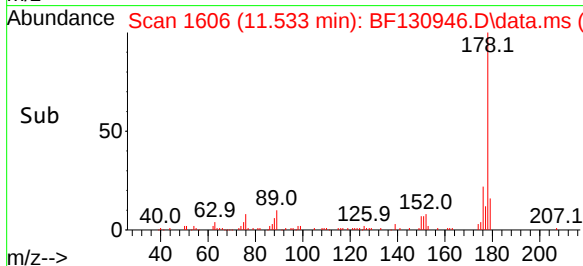
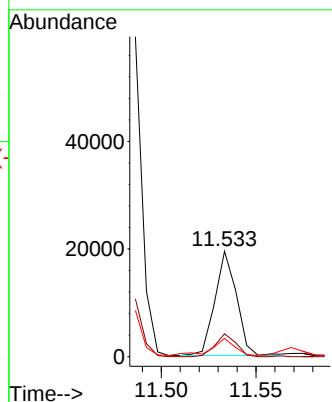
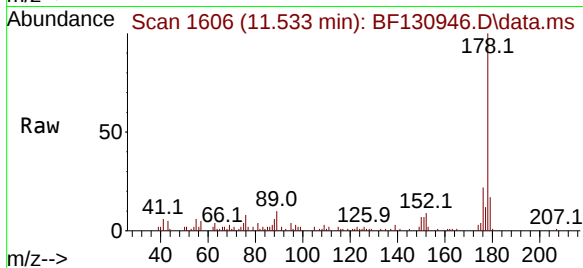
Tgt Ion:178 Resp: 15459

Ion Ratio Lower Upper

178 100

176 21.7 15.4 23.0

179 17.3 12.2 18.4



#75

Fluoranthene

Concen: 20.883 ng

RT: 12.674 min Scan# 1800

Delta R.T. -0.012 min

Lab File: BF130946.D

Acq: 02 Nov 2022 23:51

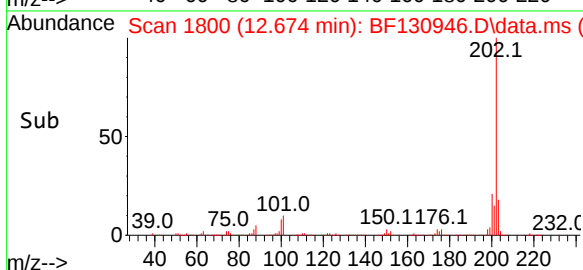
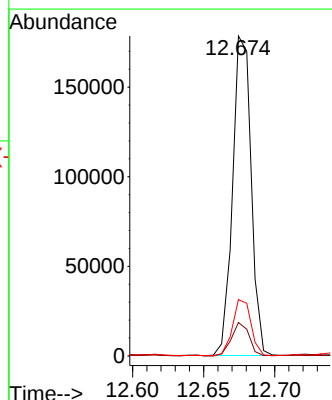
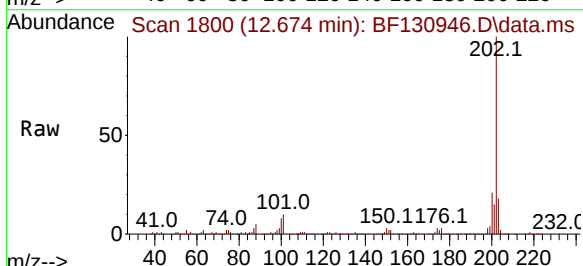
Tgt Ion:202 Resp: 162237

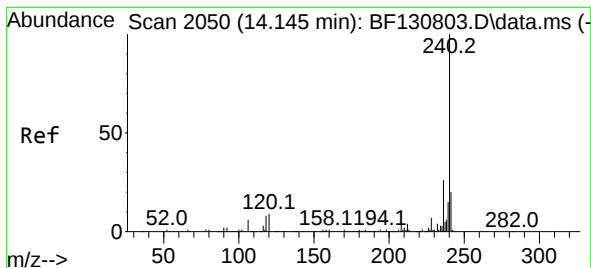
Ion Ratio Lower Upper

202 100

101 10.4 0.0 30.9

203 17.6 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.110 min Scan# 2050

Delta R.T. -0.012 min

Lab File: BF130946.D

Acq: 02 Nov 2022 23:51

Instrument :

BNA_F

ClientSampleId :

S-6-103122

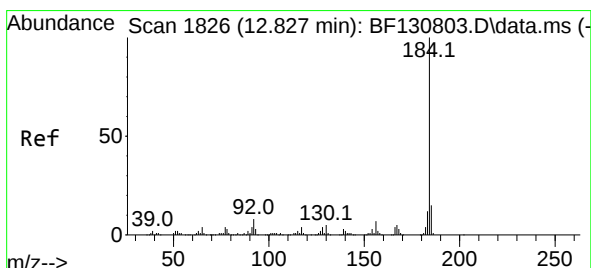
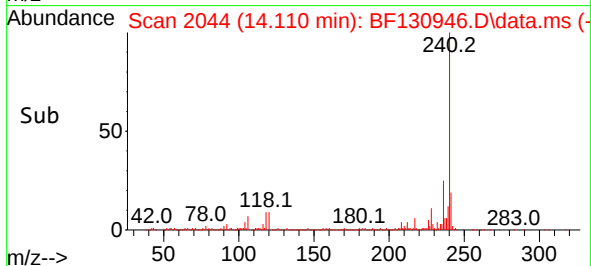
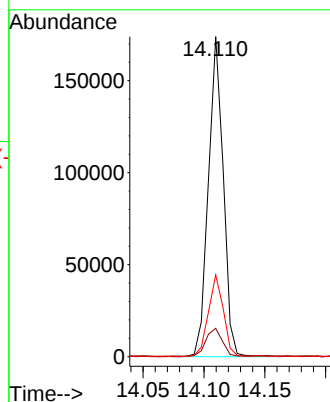
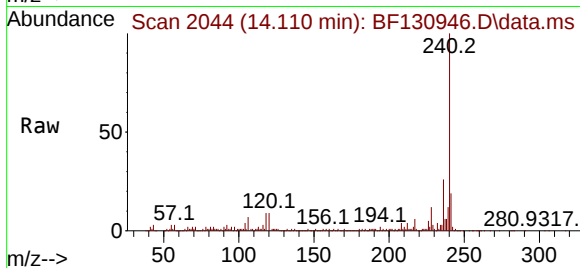
Tgt Ion:240 Resp: 147377

Ion Ratio Lower Upper

240 100

120 8.9 7.0 10.4

236 25.5 20.5 30.7



#77

Benzidine

Concen: 2.137 ng

RT: 13.051 min Scan# 1864

Delta R.T. 0.247 min

Lab File: BF130946.D

Acq: 02 Nov 2022 23:51

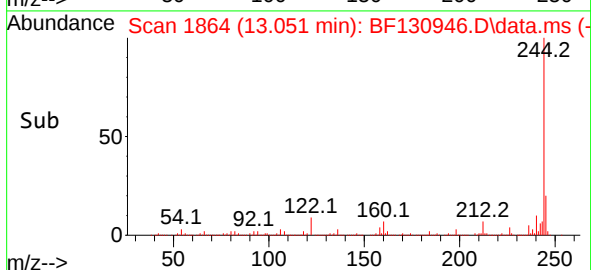
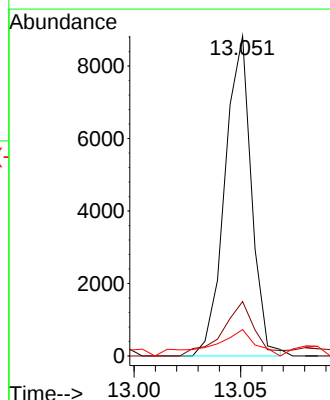
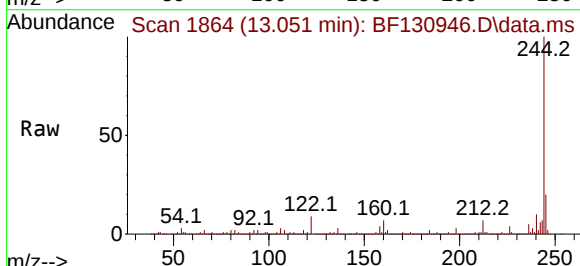
Tgt Ion:184 Resp: 7645

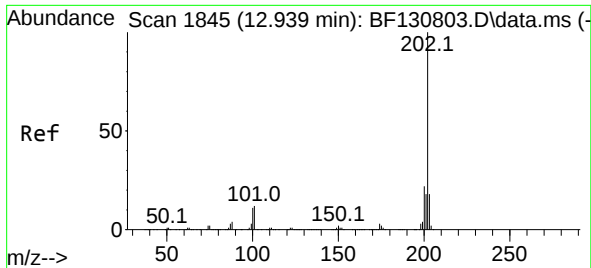
Ion Ratio Lower Upper

184 100

185 17.0 11.8 17.8

183 8.2 9.7 14.5#

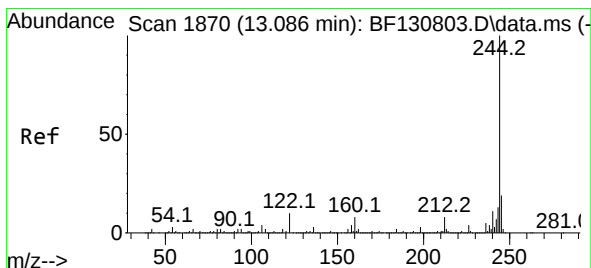
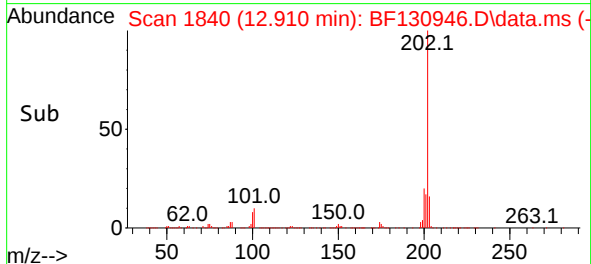
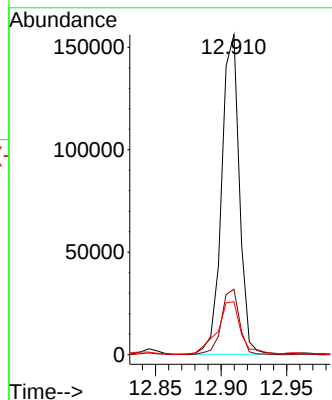
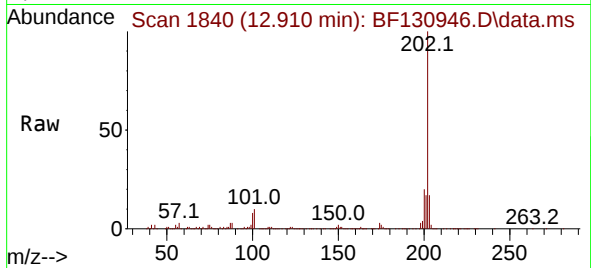




#78
Pyrene
Concen: 11.772 ng
RT: 12.910 min Scan# 1845
Delta R.T. -0.006 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

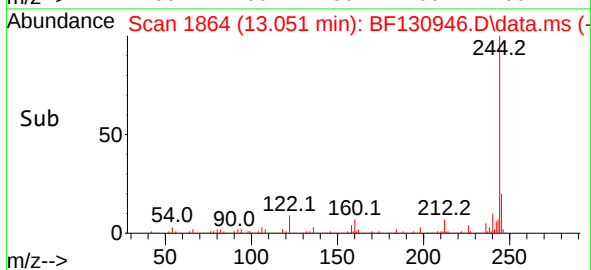
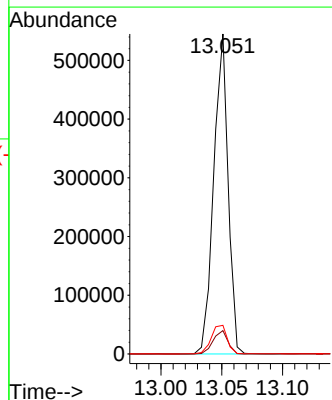
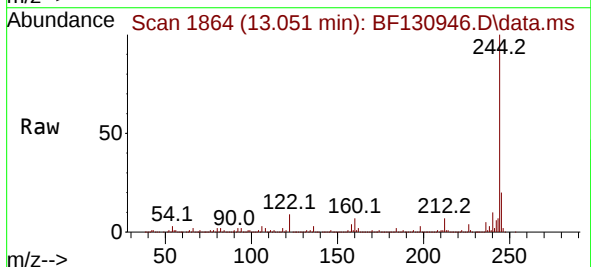
Instrument :
BNA_F
ClientSampleId :
S-6-103122

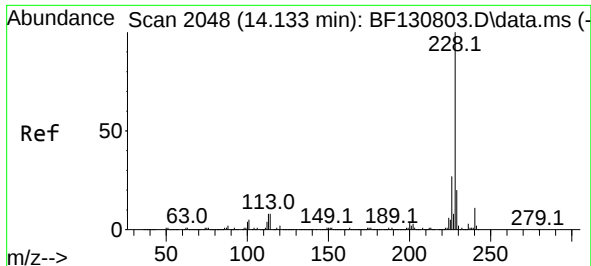
Tgt Ion:202 Resp: 146371
Ion Ratio Lower Upper
202 100
200 20.4 17.2 25.8
203 16.6 14.5 21.7



#79
Terphenyl-d14
Concen: 55.549 ng
RT: 13.051 min Scan# 1864
Delta R.T. -0.006 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

Tgt Ion:244 Resp: 446762
Ion Ratio Lower Upper
244 100
212 7.3 6.2 9.2
122 8.9 7.9 11.9

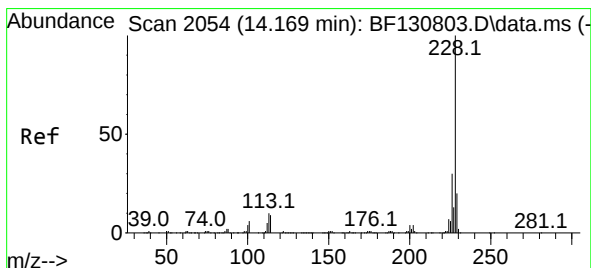
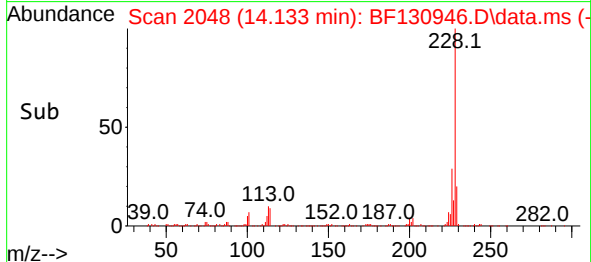
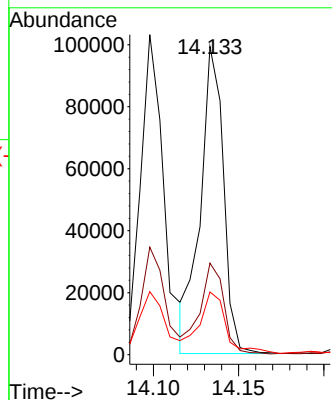
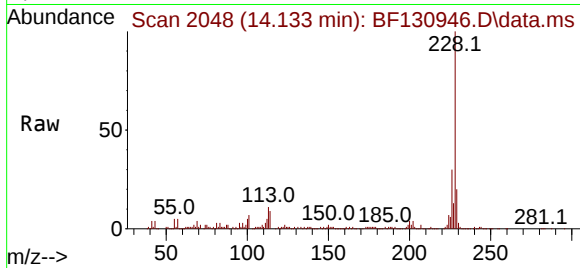




#81
Benzo(a)anthracene
Concen: 9.579 ng
RT: 14.133 min Scan# 2048
Delta R.T. 0.023 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

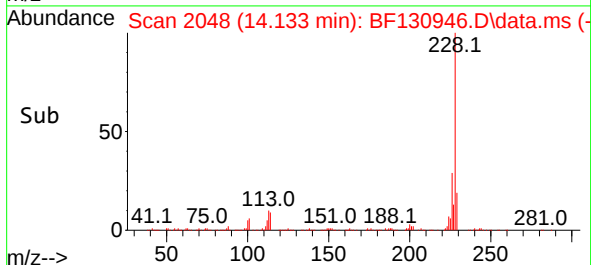
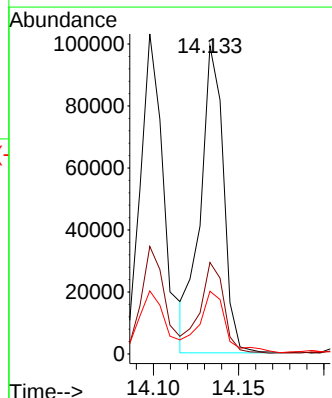
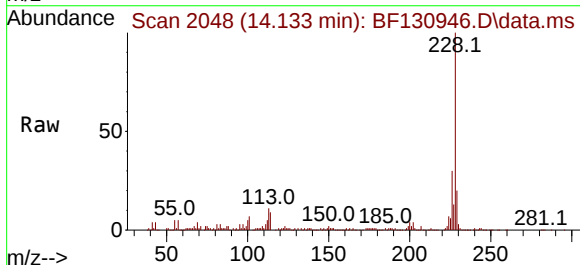
Instrument :
BNA_F
ClientSampleId :
S-6-103122

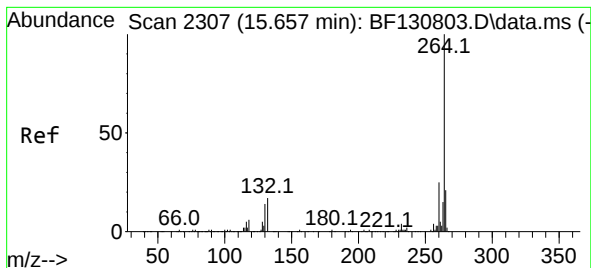
Tgt Ion:228 Resp: 93595
Ion Ratio Lower Upper
228 100
226 29.7 21.4 32.2
229 20.3 15.8 23.6



#83
Chrysene
Concen: 9.930 ng
RT: 14.133 min Scan# 2048
Delta R.T. -0.012 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

Tgt Ion:228 Resp: 93595
Ion Ratio Lower Upper
228 100
226 29.7 23.9 35.9
229 20.3 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.621 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF130946.D

Acq: 02 Nov 2022 23:51

Instrument :

BNA_F

ClientSampleId :

S-6-103122

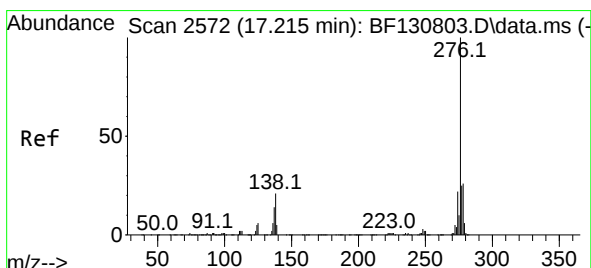
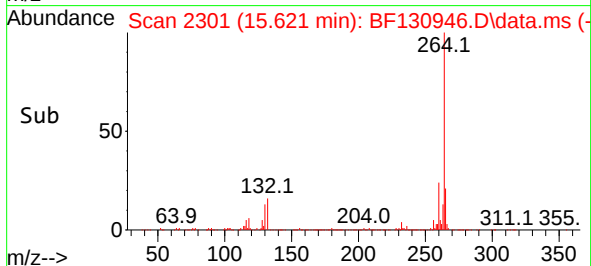
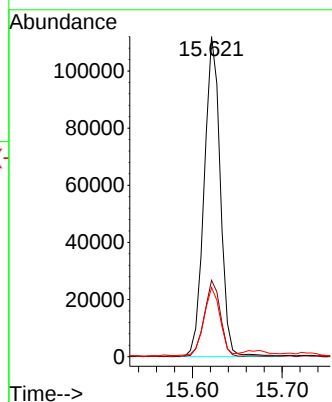
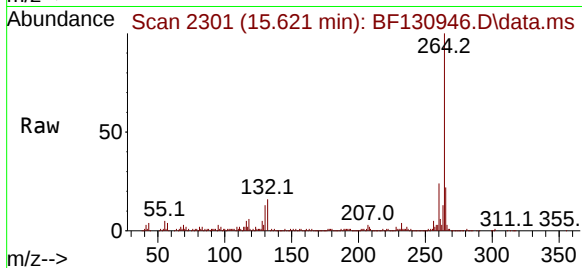
Tgt Ion:264 Resp: 140059

Ion Ratio Lower Upper

264 100

260 23.9 19.9 29.9

265 21.6 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.526 ng

RT: 17.151 min Scan# 2561

Delta R.T. -0.024 min

Lab File: BF130946.D

Acq: 02 Nov 2022 23:51

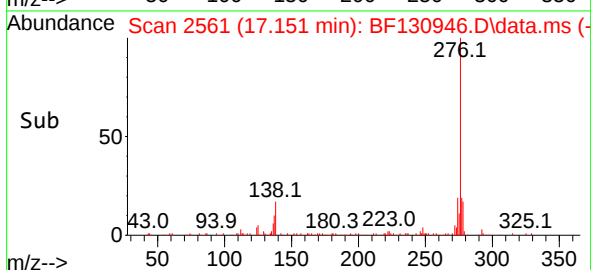
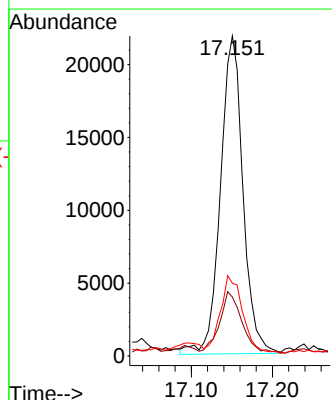
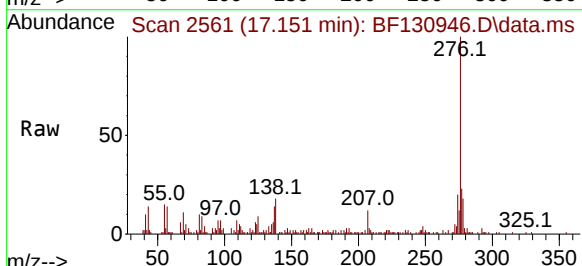
Tgt Ion:276 Resp: 42095

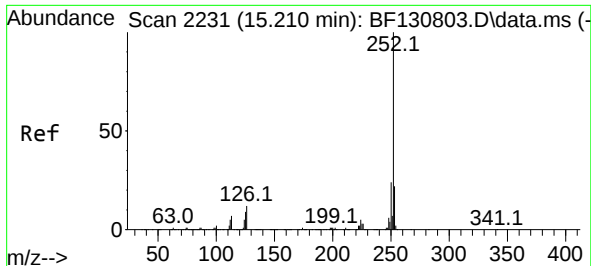
Ion Ratio Lower Upper

276 100

138 19.3 19.1 28.7

277 24.3 20.1 30.1

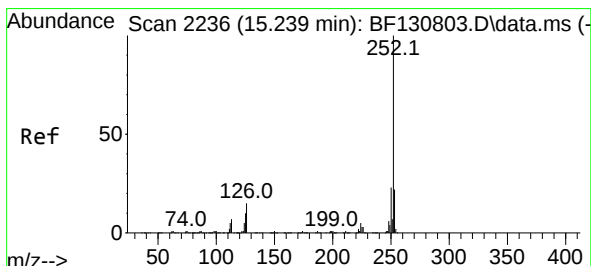
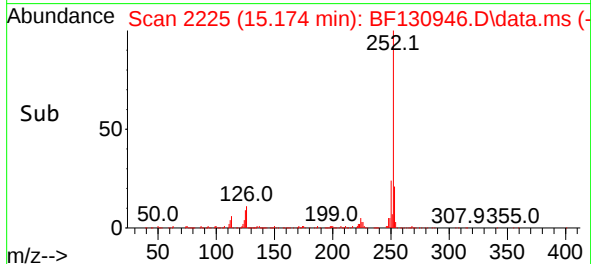
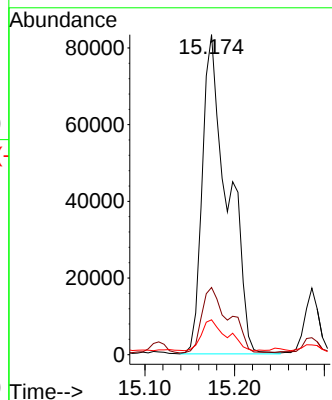
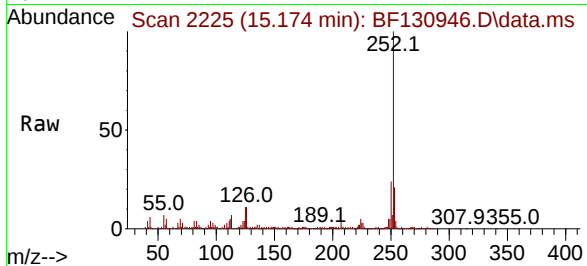




#88
Benzo(b)fluoranthene
Concen: 18.139 ng
RT: 15.174 min Scan# 2225
Delta R.T. -0.006 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

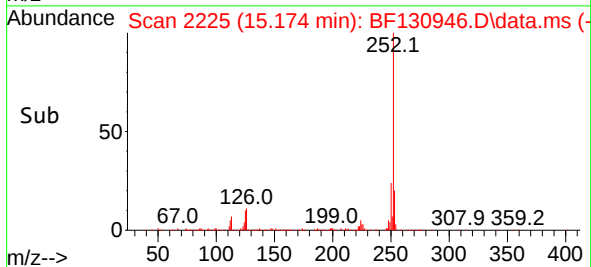
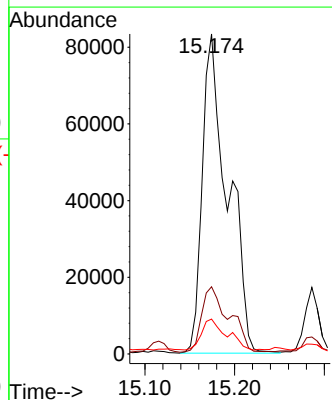
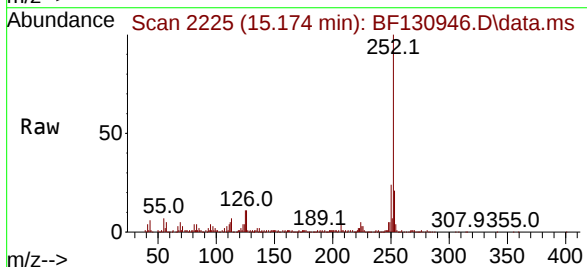
Instrument :
BNA_F
ClientSampleId :
S-6-103122

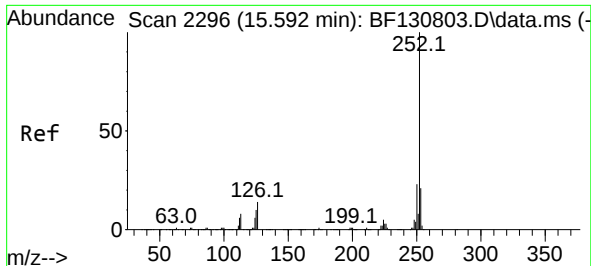
Tgt Ion:252 Resp: 164225
Ion Ratio Lower Upper
252 100
253 21.0 17.5 26.3
125 10.9 7.0 10.4#



#89
Benzo(k)fluoranthene
Concen: 18.615 ng
RT: 15.174 min Scan# 2225
Delta R.T. -0.041 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

Tgt Ion:252 Resp: 164225
Ion Ratio Lower Upper
252 100
253 21.0 17.5 26.3
125 10.9 8.0 12.0

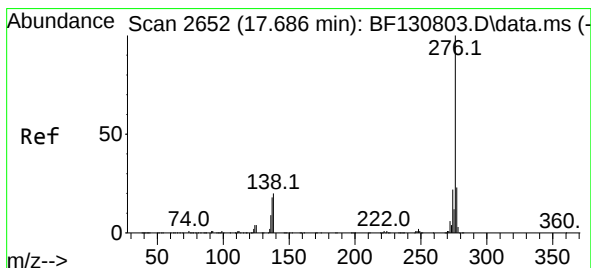
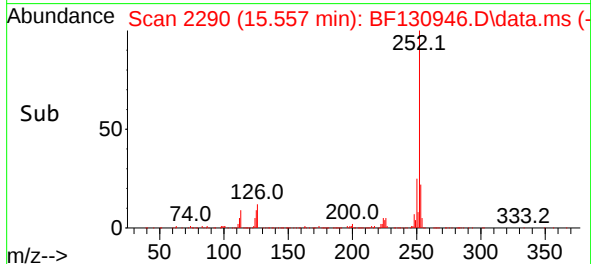
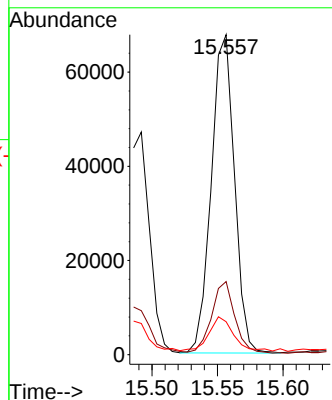
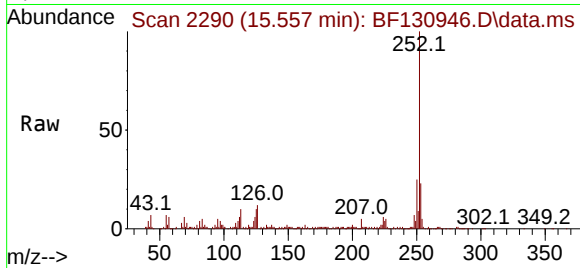




#90
Benzo(a)pyrene
Concen: 11.418 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

Instrument :
BNA_F
ClientSampleId :
S-6-103122

Tgt Ion:252 Resp: 83102
Ion Ratio Lower Upper
252 100
253 22.8 16.8 25.2
125 10.3 8.3 12.5



#92
Benzo(g,h,i)perylene
Concen: 4.891 ng
RT: 17.615 min Scan# 2640
Delta R.T. -0.035 min
Lab File: BF130946.D
Acq: 02 Nov 2022 23:51

Tgt Ion:276 Resp: 37833
Ion Ratio Lower Upper
276 100
277 25.0 18.8 28.2
138 22.4 16.3 24.5

