

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
 Data File : BF130958.D
 Acq On : 03 Nov 2022 12:20
 Operator : CG\JU
 Sample : N5395-03RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

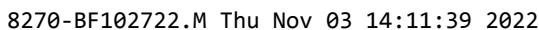
Instrument :
 BNA_F
 ClientSampleId :
 S-11-103122

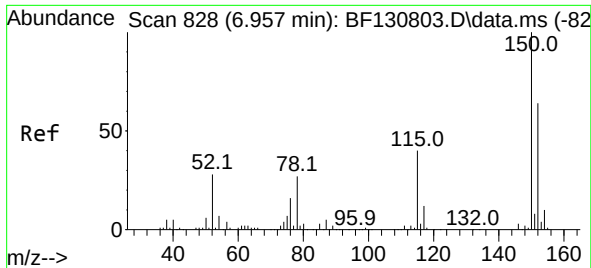
Quant Time: Nov 03 14:11:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 03 03:37:09 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	62053	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	230455	20.000	ng	# 0.00
39) Acenaphthene-d10	9.969	164	107464	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	160916	20.000	ng	-0.01
76) Chrysene-d12	14.110	240	115497	20.000	ng	-0.01
86) Perylene-d12	15.621	264	130029	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.545	112	455935	127.377	ng	0.00
7) Phenol-d6	6.545	99	572583	123.098	ng	0.00
23) Nitrobenzene-d5	7.487	82	381930	99.932	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	115251	127.401	ng	-0.01
45) 2-Fluorobiphenyl	9.286	172	538118	75.706	ng	0.00
79) Terphenyl-d14	13.051	244	351745	55.807	ng	0.00
Target Compounds						
						Qvalue
17) 2-Methylphenol	7.316	107	28587	8.388	ng	# 73
19) n-Nitroso-di-n-propyla...	7.487	70	53296	16.840	ng	# 80
20) 3+4-Methylphenols	7.316	107	28587	6.451	ng	89
25) Isophorone	7.487	82	380663	48.300	ng	# 66
32) Benzoic acid	7.969	122	88	7.712	ng	# 66
48) 2-Nitroaniline	9.510	65	169	4.225	ng	# 26
51) 2,6-Dinitrotoluene	9.969	165	13906	12.123	ng	# 14
57) 2,4-Dinitrotoluene	10.139	165	580	4.010	ng	# 94
65) 4,6-Dinitro-2-methylph...	10.757	198	336	8.345	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	7636	4.719	ng	# 1
71) Phenanthrene	11.480	178	23737	2.858	ng	99
75) Fluoranthene	12.674	202	38874	4.405	ng	96
77) Benzidine	13.045	184	5640	2.012	ng	# 93
78) Pyrene	12.904	202	33559	3.444	ng	99
81) Benzo(a)anthracene	14.133	228	21992	2.872	ng	98
83) Chrysene	14.133	228	21992	2.977	ng	95
88) Benzo(b)fluoranthene	15.168	252	38892	4.627	ng	# 96
89) Benzo(k)fluoranthene	15.168	252	38892	4.748	ng	97
90) Benzo(a)pyrene	15.551	252	20215	2.992	ng	# 91
92) Benzo(g,h,i)perylene	17.621	276	14672	2.043	ng	# 89

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

Quant Time: Nov 03 14:11:26 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

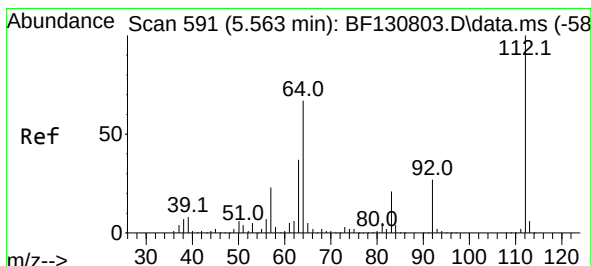
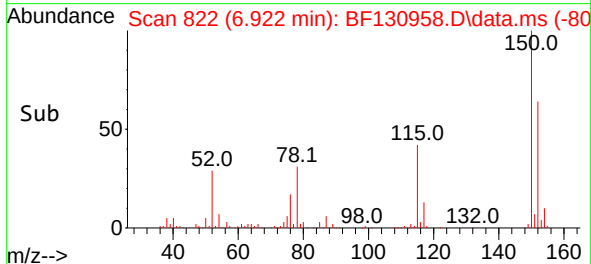
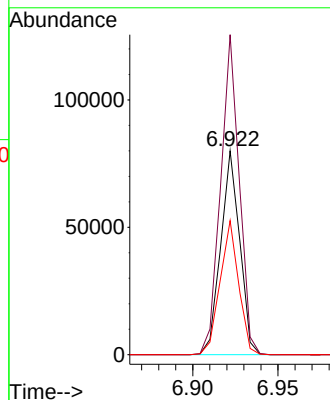
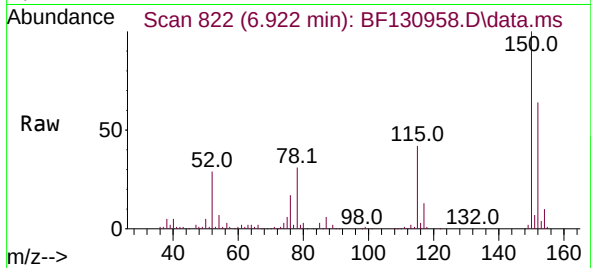




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.922 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF130958.D
 Acq: 03 Nov 2022 12:20

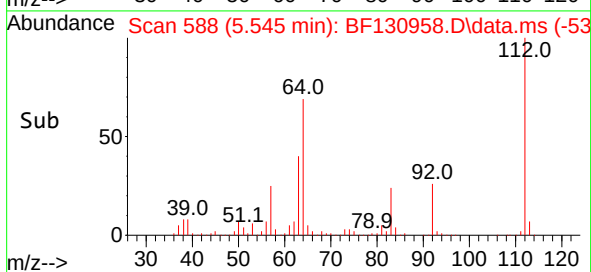
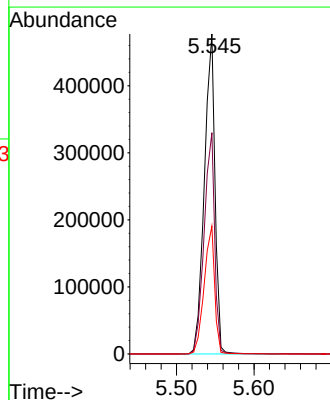
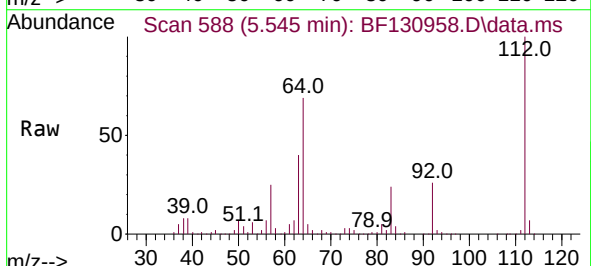
Instrument :
 BNA_F
 ClientSampleId :
 S-11-103122

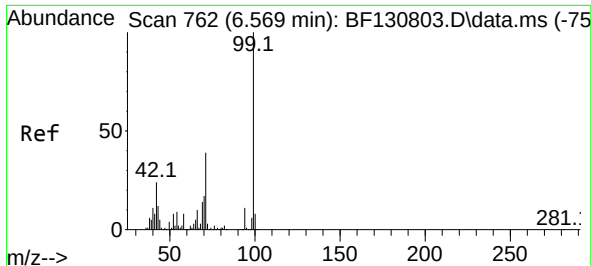
Tgt Ion:152 Resp: 62053
 Ion Ratio Lower Upper
 152 100
 150 157.0 124.1 186.1
 115 65.8 50.1 75.1



#5
 2-Fluorophenol
 Concen: 127.377 ng
 RT: 5.545 min Scan# 588
 Delta R.T. 0.006 min
 Lab File: BF130958.D
 Acq: 03 Nov 2022 12:20

Tgt Ion:112 Resp: 455935
 Ion Ratio Lower Upper
 112 100
 64 69.2 53.9 80.9
 63 40.0 29.4 44.2

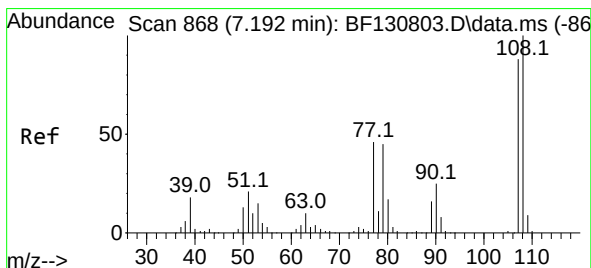
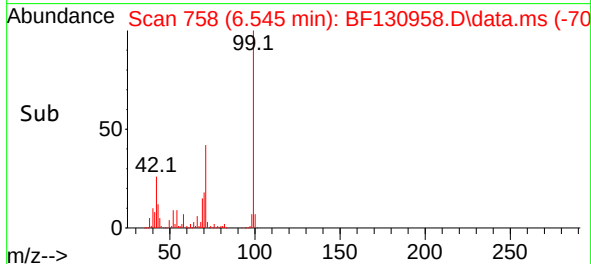
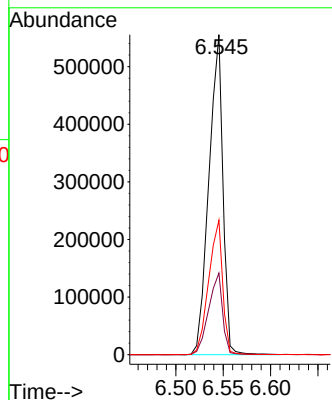
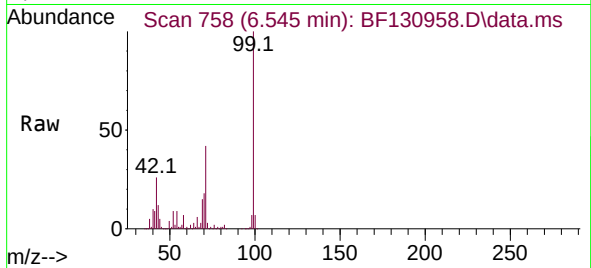




#7
Phenol-d6
Concen: 123.098 ng
RT: 6.545 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130958.D
Acq: 03 Nov 2022 12:20

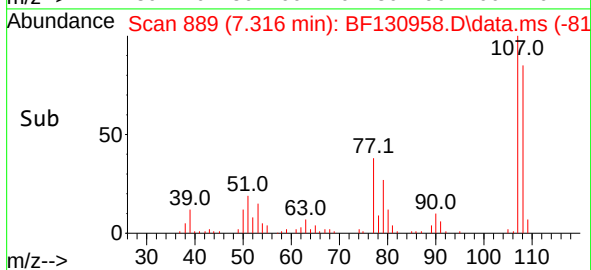
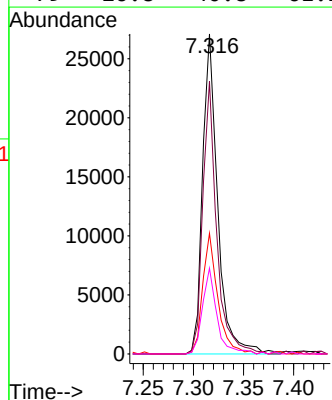
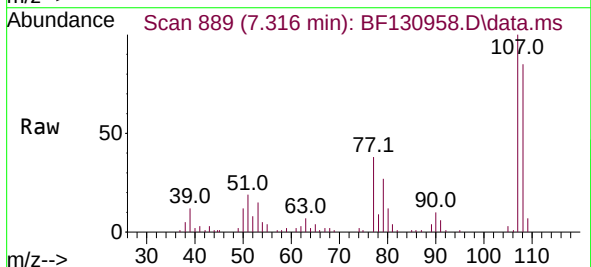
Instrument :
BNA_F
ClientSampleId :
S-11-103122

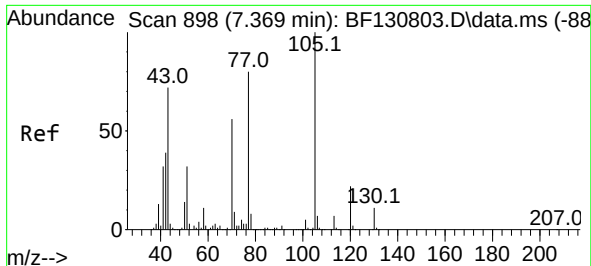
Tgt Ion: 99 Resp: 572583
Ion Ratio Lower Upper
99 100
42 25.5 18.8 28.2
71 42.0 31.4 47.0



#17
2-Methylphenol
Concen: 8.388 ng
RT: 7.316 min Scan# 889
Delta R.T. 0.141 min
Lab File: BF130958.D
Acq: 03 Nov 2022 12:20

Tgt Ion: 107 Resp: 28587
Ion Ratio Lower Upper
107 100
108 85.2 90.5 135.7#
77 37.7 41.2 61.8#
79 26.8 40.8 61.2#





#19

n-Nitroso-di-n-propylamine

Concen: 16.840 ng

RT: 7.487 min Scan# 91

Delta R.T. 0.147 min

Lab File: BF130958.D

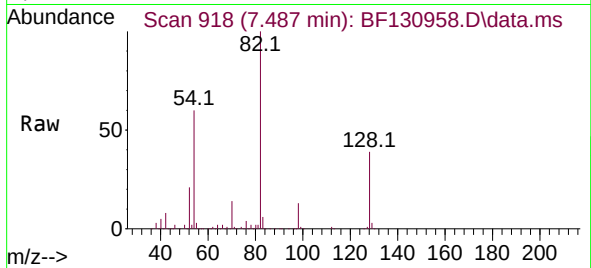
Acq: 03 Nov 2022 12:20

Instrument :

BNA_F

ClientSampleId :

S-11-103122



Tgt Ion: 70 Resp: 53296

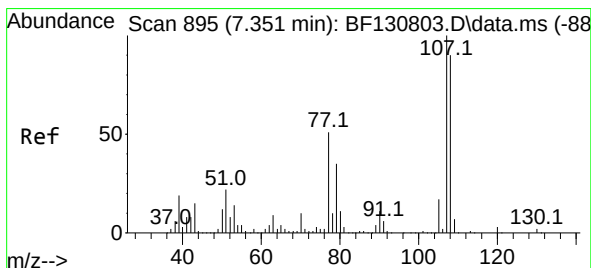
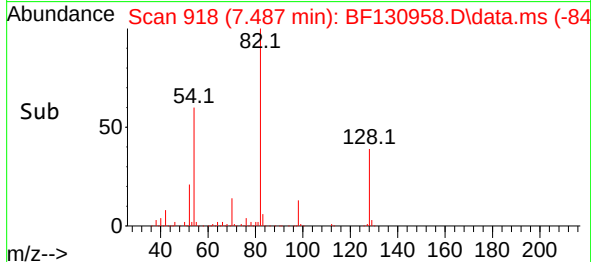
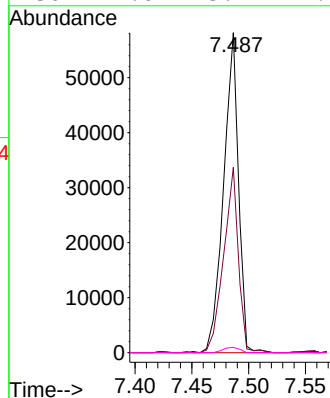
Ion Ratio Lower Upper

70 100

42 57.9 56.1 84.1

101 0.0 7.3 10.9#

130 1.6 15.2 22.8#



#20

3+4-Methylphenols

Concen: 6.451 ng

RT: 7.316 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF130958.D

Acq: 03 Nov 2022 12:20

Tgt Ion: 107 Resp: 28587

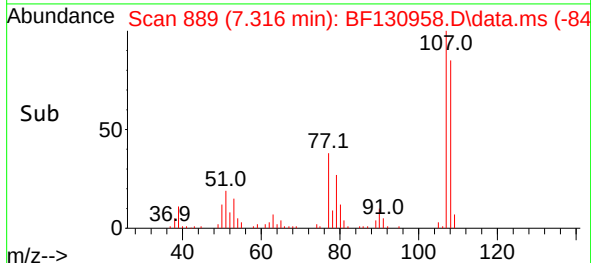
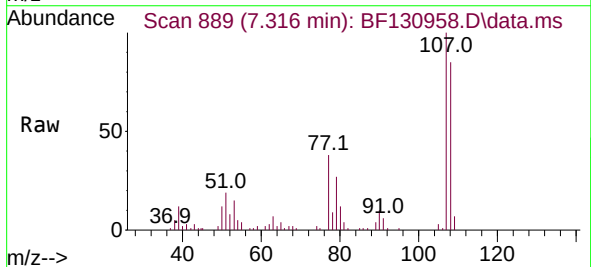
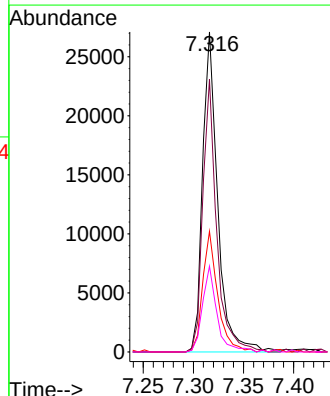
Ion Ratio Lower Upper

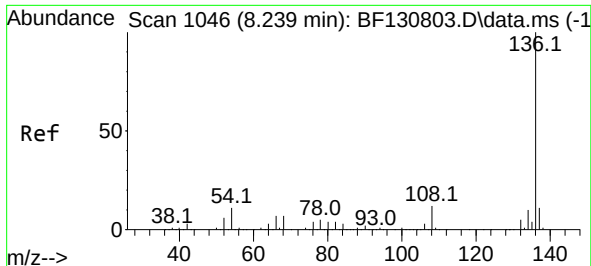
107 100

108 85.2 70.4 110.4

77 37.7 31.1 71.1

79 26.8 14.5 54.5

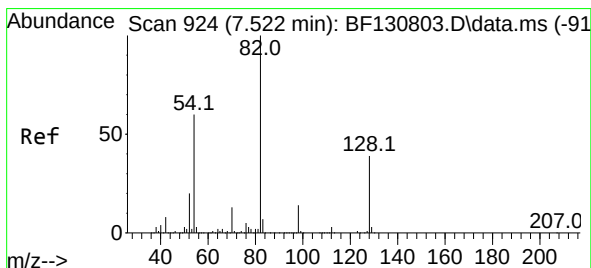
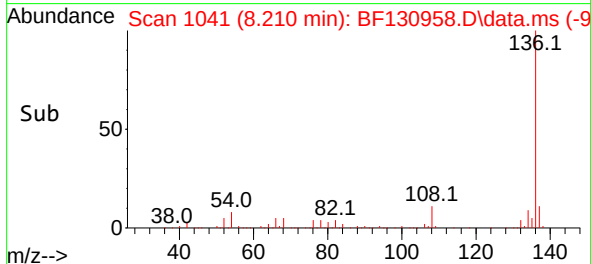
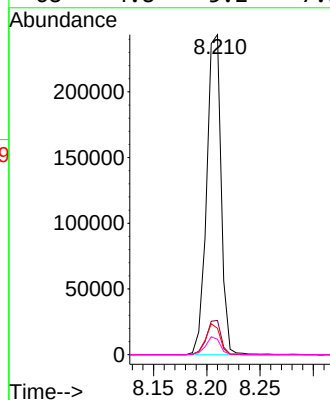
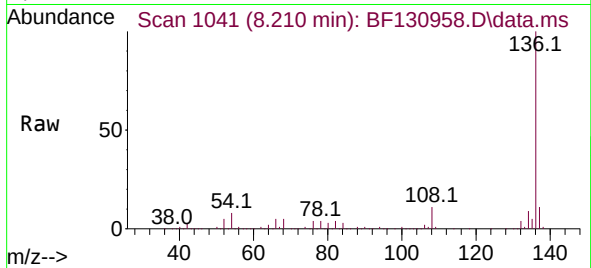




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF130958.D
Acq: 03 Nov 2022 12:20

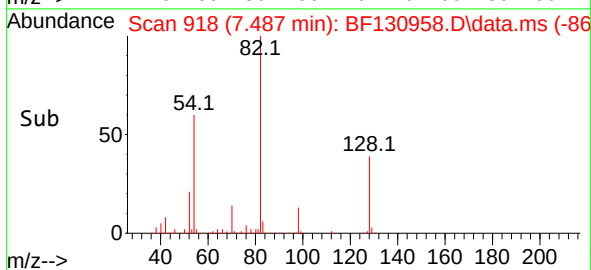
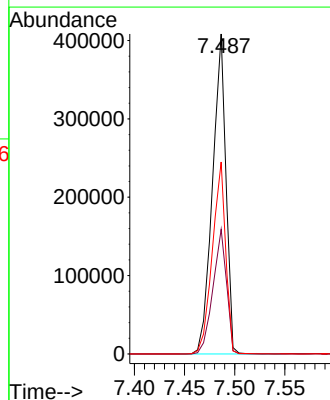
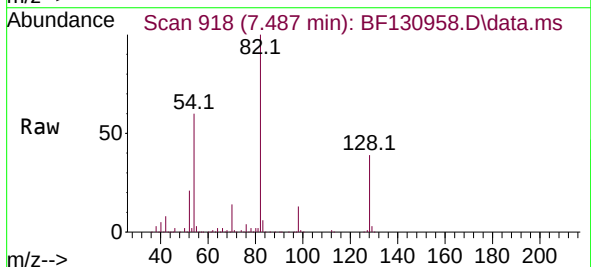
Instrument :
BNA_F
ClientSampleId :
S-11-103122

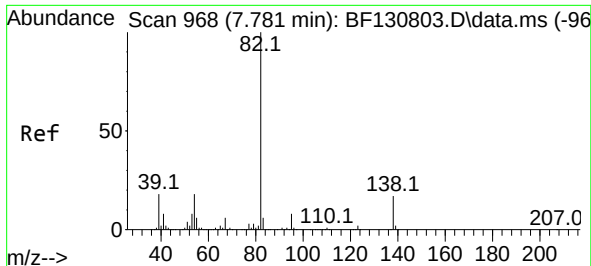
Tgt Ion:136 Resp: 230455
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 8.2 8.8 13.2#
68 4.8 5.2 7.8#



#23
Nitrobenzene-d5
Concen: 99.932 ng
RT: 7.487 min Scan# 918
Delta R.T. -0.006 min
Lab File: BF130958.D
Acq: 03 Nov 2022 12:20

Tgt Ion: 82 Resp: 381930
Ion Ratio Lower Upper
82 100
128 39.0 31.2 46.8
54 60.0 48.0 72.0

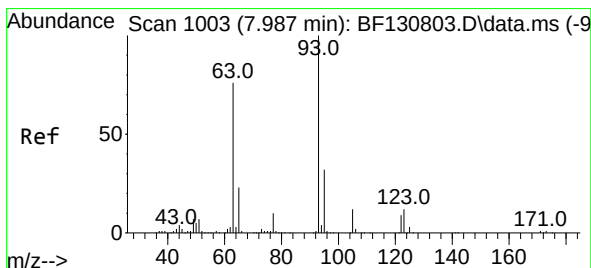
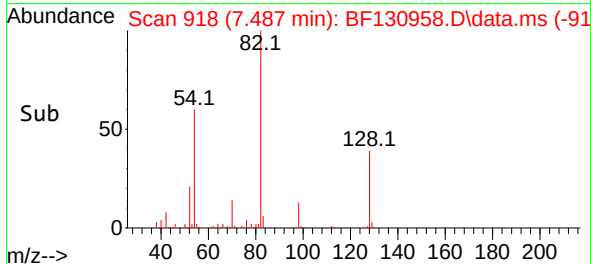
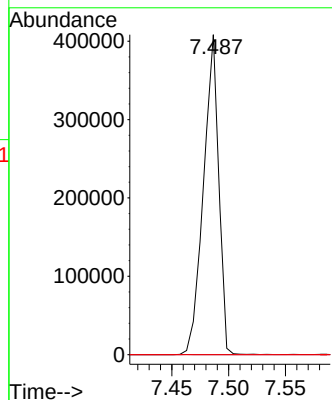
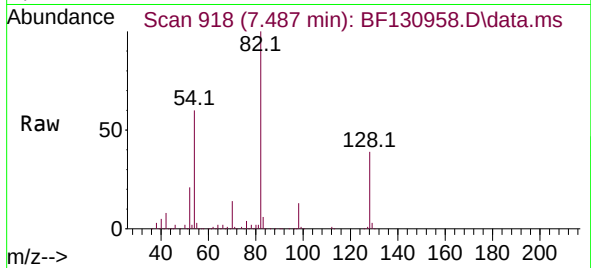




#25
Isophorone
Concen: 48.300 ng
RT: 7.487 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF130958.D
Acq: 03 Nov 2022 12:20

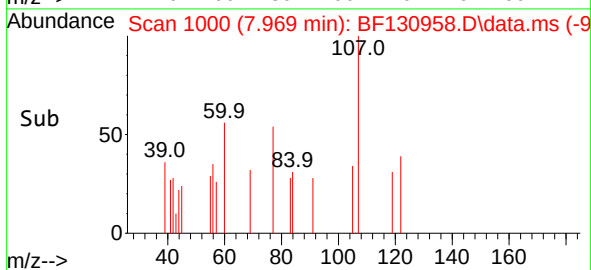
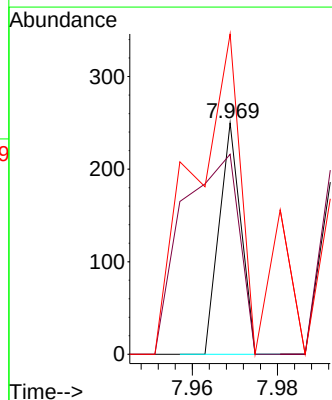
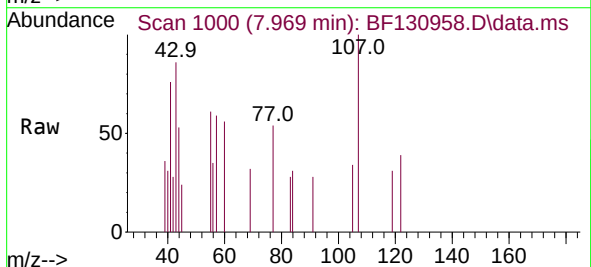
Instrument :
BNA_F
ClientSampleId :
S-11-103122

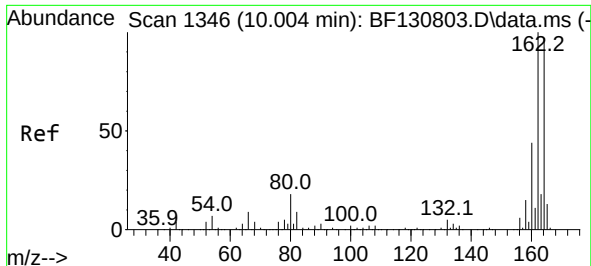
Tgt Ion: 82 Resp: 380663
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.712 ng
RT: 7.969 min Scan# 1000
Delta R.T. -0.000 min
Lab File: BF130958.D
Acq: 03 Nov 2022 12:20

Tgt Ion: 122 Resp: 88
Ion Ratio Lower Upper
122 100
105 86.4 114.5 154.5#
77 138.4 89.8 129.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130958.D

Acq: 03 Nov 2022 12:20

Instrument :

BNA_F

ClientSampleId :

S-11-103122

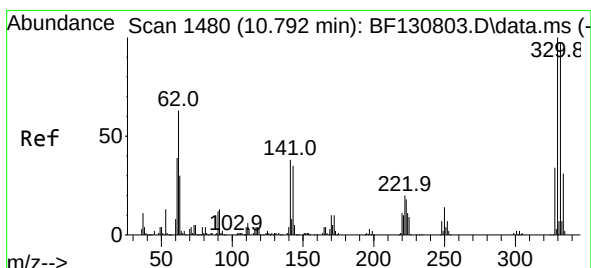
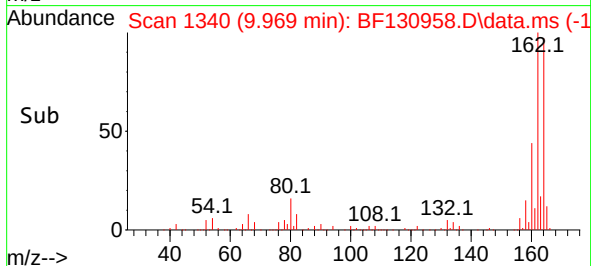
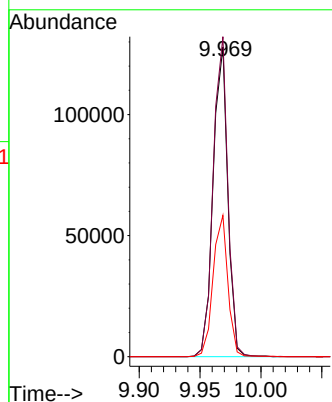
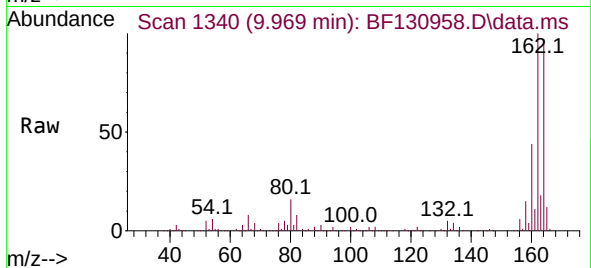
Tgt Ion:164 Resp: 107464

Ion Ratio Lower Upper

164 100

162 103.3 82.2 123.2

160 45.6 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 127.401 ng

RT: 10.757 min Scan# 1474

Delta R.T. -0.012 min

Lab File: BF130958.D

Acq: 03 Nov 2022 12:20

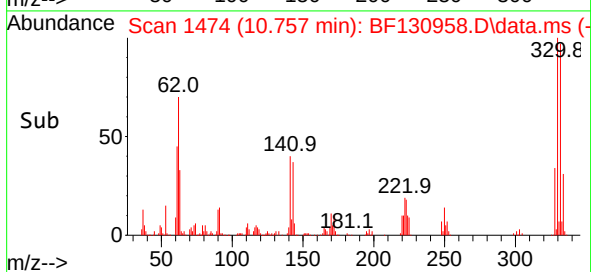
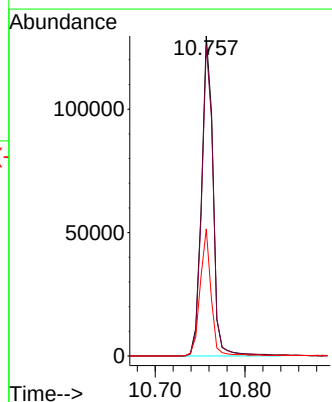
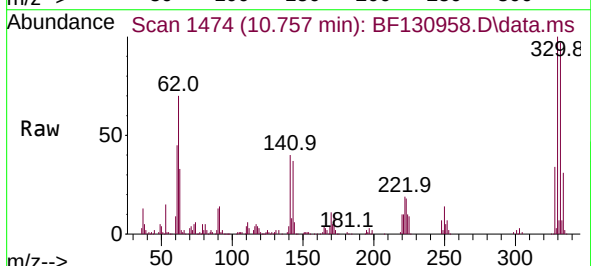
Tgt Ion:330 Resp: 115251

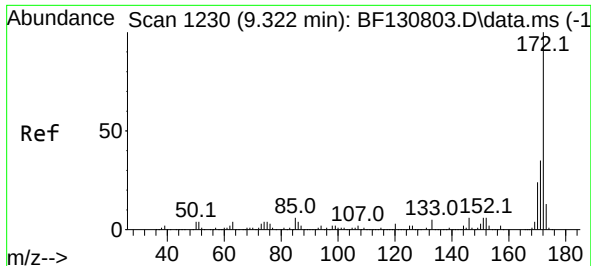
Ion Ratio Lower Upper

330 100

332 97.3 76.2 114.4

141 38.0 31.4 47.0





#45

2-Fluorobiphenyl

Concen: 75.706 ng

RT: 9.286 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130958.D

Acq: 03 Nov 2022 12:20

Instrument :

BNA_F

ClientSampleId :

S-11-103122

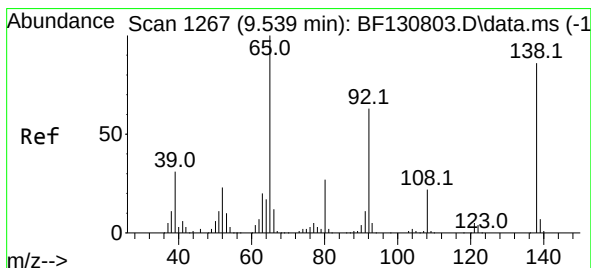
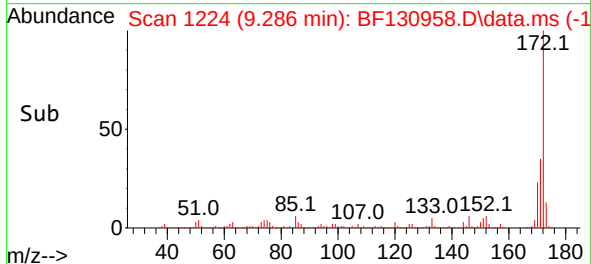
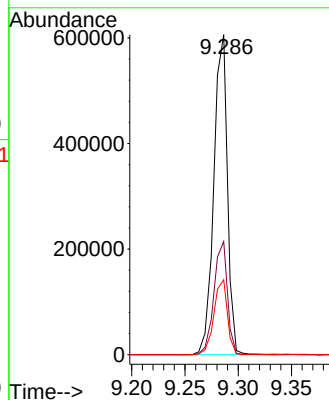
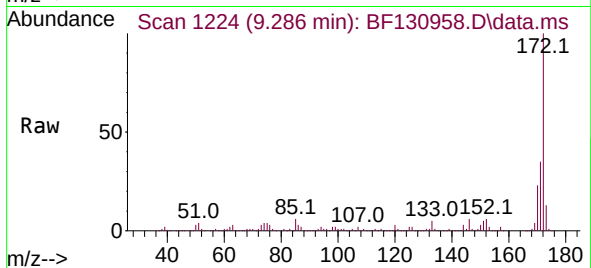
Tgt Ion:172 Resp: 538118

Ion Ratio Lower Upper

172 100

171 35.4 28.1 42.1

170 23.4 19.0 28.4



#48

2-Nitroaniline

Concen: 4.225 ng

RT: 9.510 min Scan# 1262

Delta R.T. -0.006 min

Lab File: BF130958.D

Acq: 03 Nov 2022 12:20

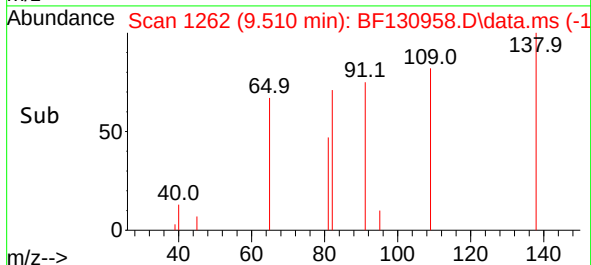
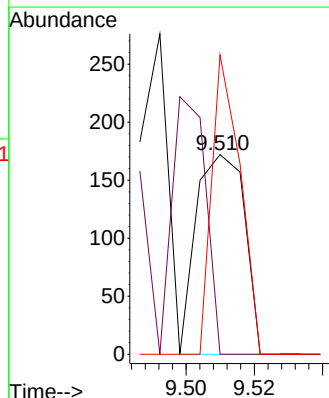
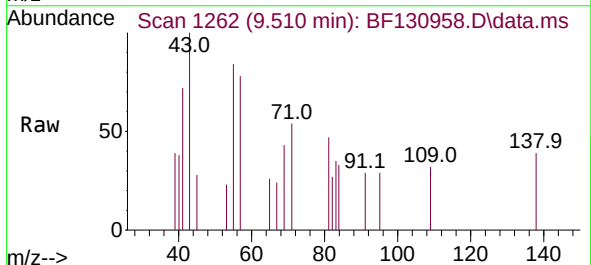
Tgt Ion: 65 Resp: 169

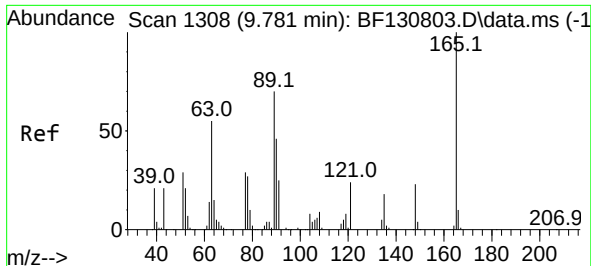
Ion Ratio Lower Upper

65 100

92 0.0 50.1 75.1#

138 150.0 69.2 103.8#

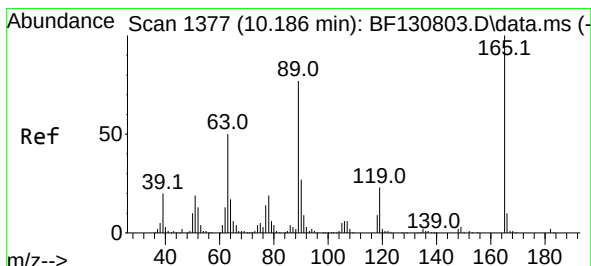
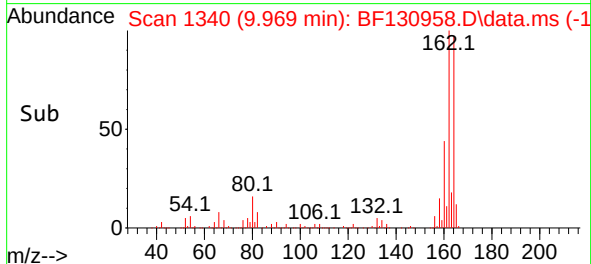
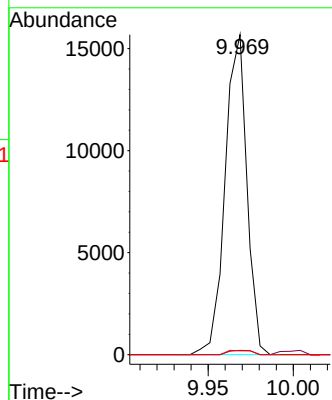
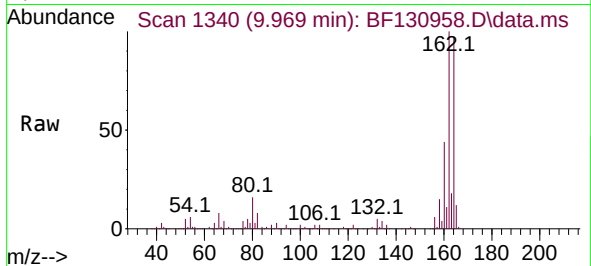




#51
2,6-Dinitrotoluene
Concen: 12.123 ng
RT: 9.969 min Scan# 13906
Delta R.T. 0.212 min
Lab File: BF130958.D
Acq: 03 Nov 2022 12:20

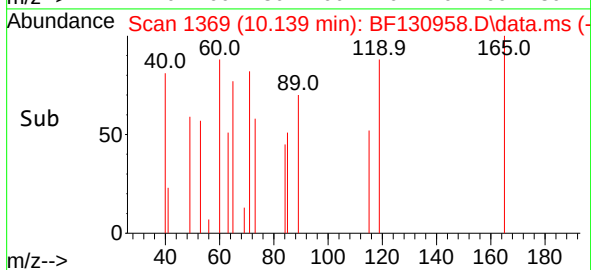
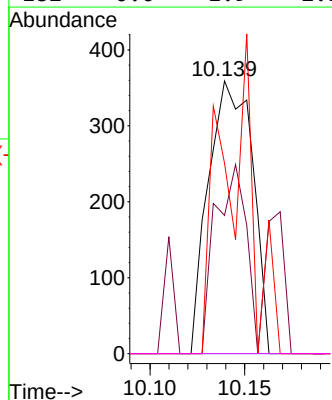
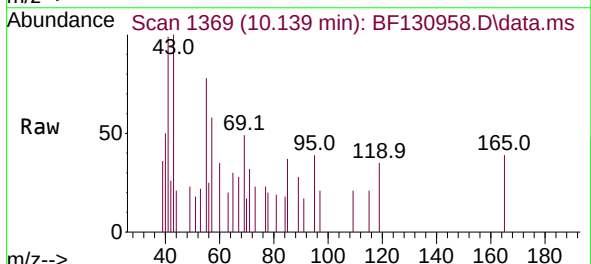
Instrument :
BNA_F
ClientSampleId :
S-11-103122

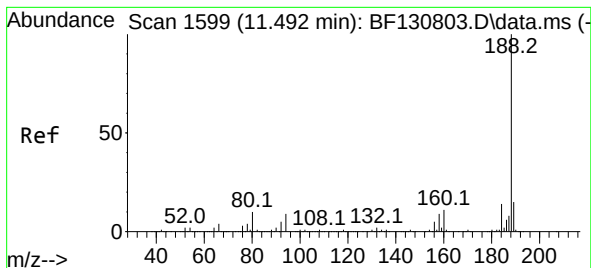
Tgt Ion:165 Resp: 13906
Ion Ratio Lower Upper
165 100
63 1.4 61.8 92.8#
89 1.2 56.2 84.4#



#57
2,4-Dinitrotoluene
Concen: 4.010 ng
RT: 10.139 min Scan# 1369
Delta R.T. -0.024 min
Lab File: BF130958.D
Acq: 03 Nov 2022 12:20

Tgt Ion:165 Resp: 580
Ion Ratio Lower Upper
165 100
63 50.7 39.8 59.6
89 69.9 61.9 92.9
182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.457 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF130958.D

Acq: 03 Nov 2022 12:20

Instrument :

BNA_F

ClientSampleId :

S-11-103122

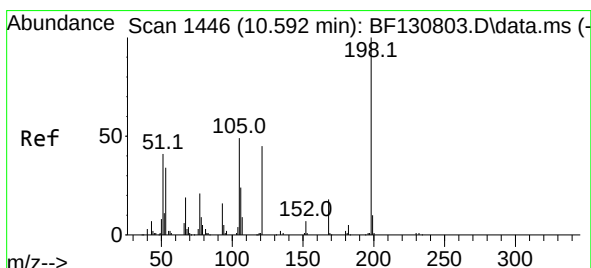
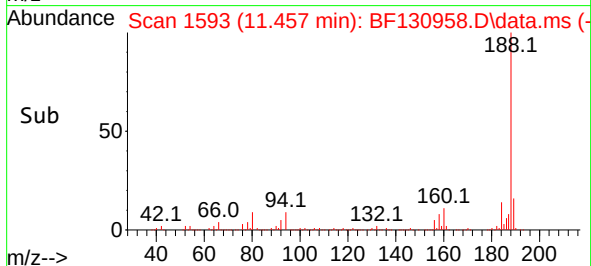
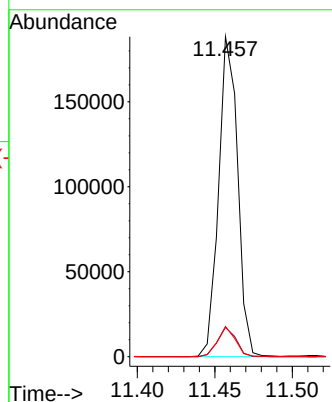
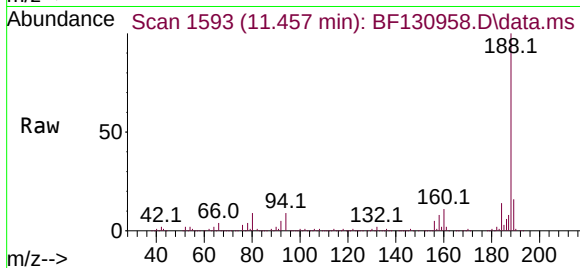
Tgt Ion:188 Resp: 160916

Ion Ratio Lower Upper

188 100

94 9.2 7.4 11.2

80 9.4 8.0 12.0



#65

4,6-Dinitro-2-methylphenol

Concen: 8.345 ng

RT: 10.757 min Scan# 1474

Delta R.T. 0.188 min

Lab File: BF130958.D

Acq: 03 Nov 2022 12:20

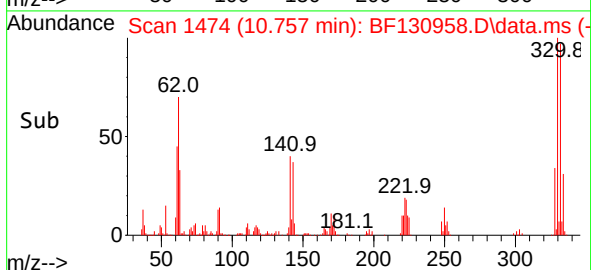
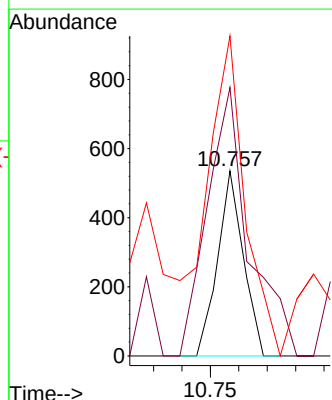
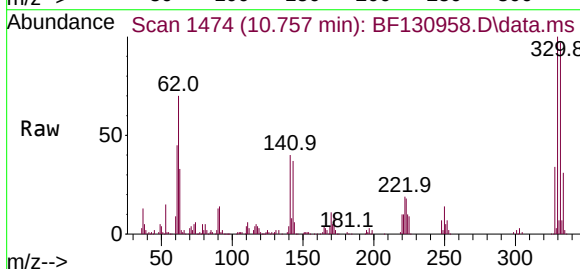
Tgt Ion:198 Resp: 336

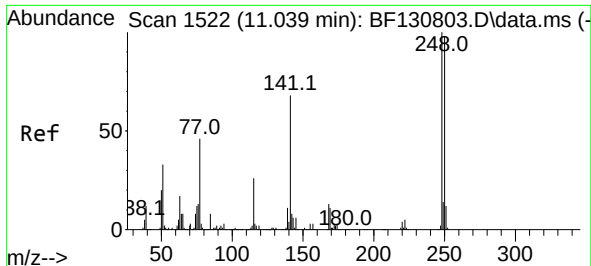
Ion Ratio Lower Upper

198 100

51 145.2 39.0 79.0#

105 173.1 30.6 70.6#





#67

4-Bromophenyl-phenylether

Concen: 4.719 ng

RT: 10.757 min Scan# 14

Delta R.T. -0.253 min

Lab File: BF130958.D

Acq: 03 Nov 2022 12:20

Instrument :

BNA_F

ClientSampleId :

S-11-103122

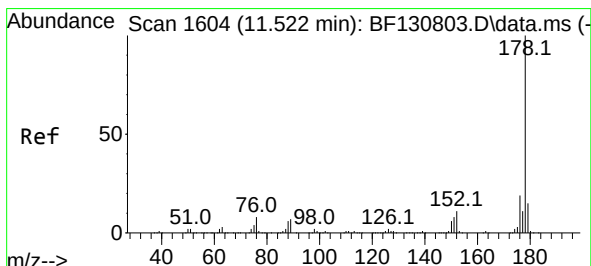
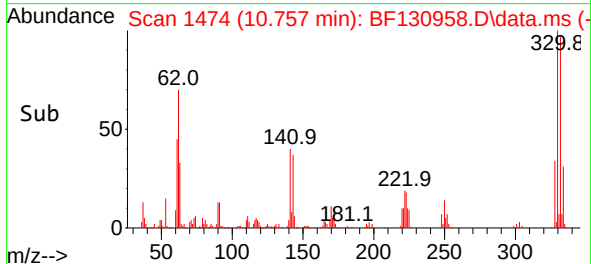
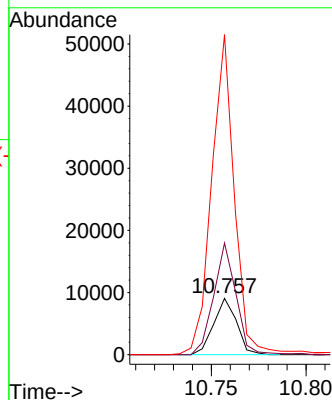
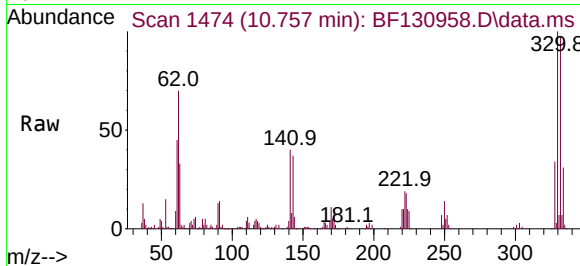
Tgt Ion:248 Resp: 7636

Ion Ratio Lower Upper

248 100

250 198.2 78.6 117.8#

141 568.1 54.2 81.4#



#71

Phenanthrene

Concen: 2.858 ng

RT: 11.480 min Scan# 1597

Delta R.T. -0.012 min

Lab File: BF130958.D

Acq: 03 Nov 2022 12:20

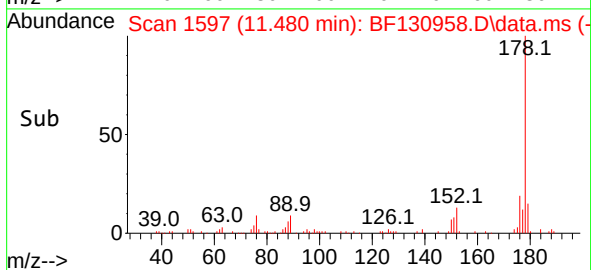
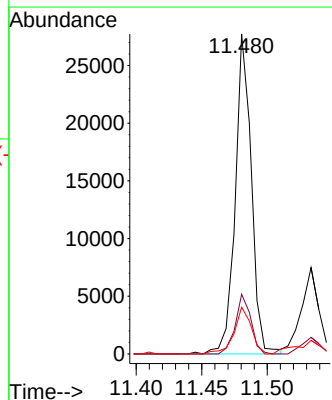
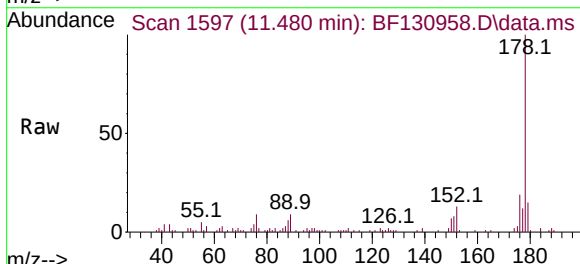
Tgt Ion:178 Resp: 23737

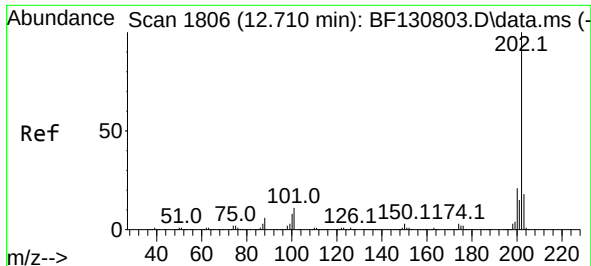
Ion Ratio Lower Upper

178 100

176 18.7 15.5 23.3

179 14.6 12.2 18.2

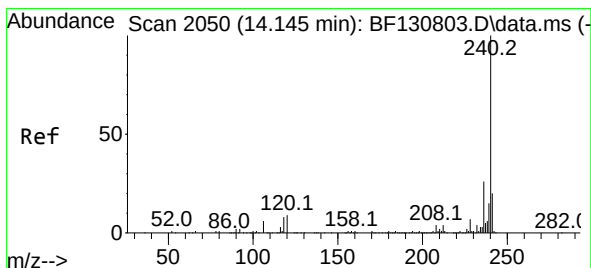
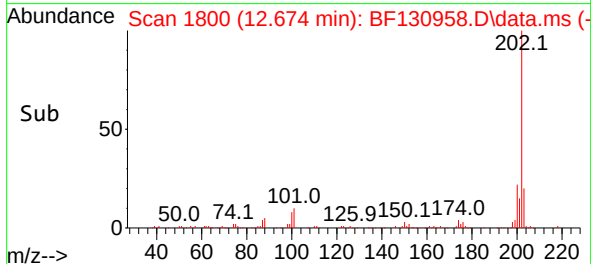
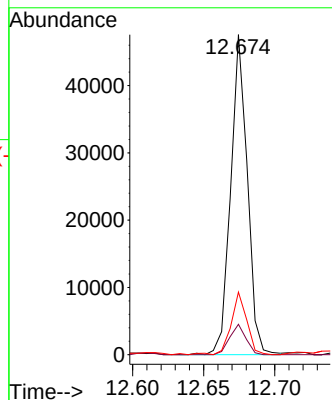
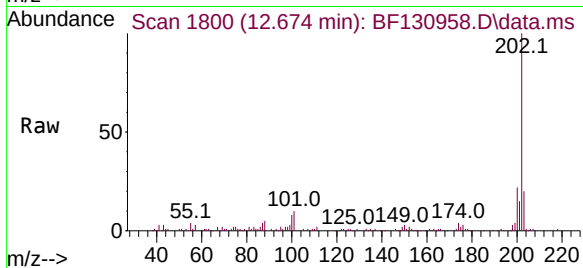




#75
Fluoranthene
Concen: 4.405 ng
RT: 12.674 min Scan# 1800
Delta R.T. -0.012 min
Lab File: BF130958.D
Acq: 03 Nov 2022 12:20

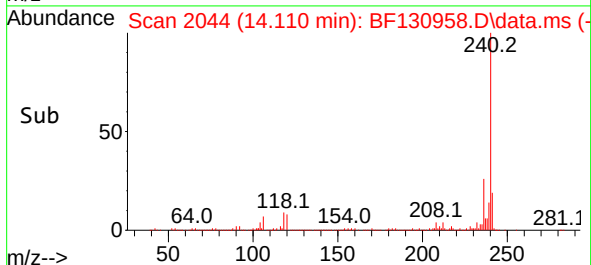
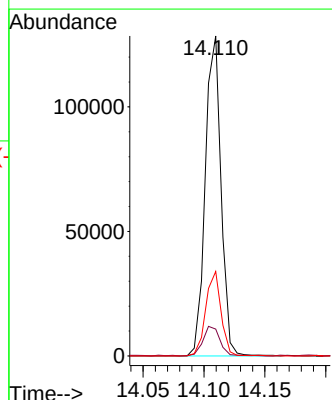
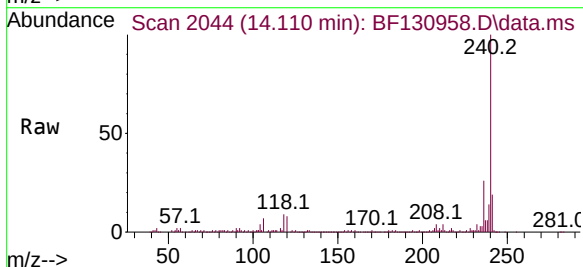
Instrument :
BNA_F
ClientSampleId :
S-11-103122

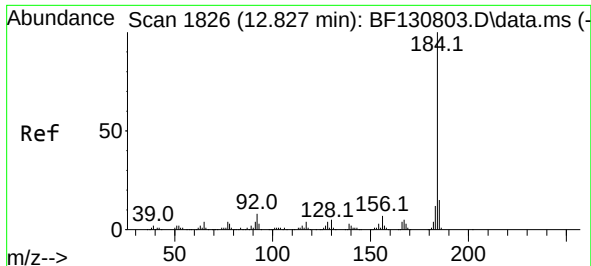
Tgt Ion:202 Resp: 38874
Ion Ratio Lower Upper
202 100
101 9.5 0.0 30.9
203 19.5 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.110 min Scan# 2044
Delta R.T. -0.012 min
Lab File: BF130958.D
Acq: 03 Nov 2022 12:20

Tgt Ion:240 Resp: 115497
Ion Ratio Lower Upper
240 100
120 8.4 7.0 10.4
236 26.4 20.5 30.7

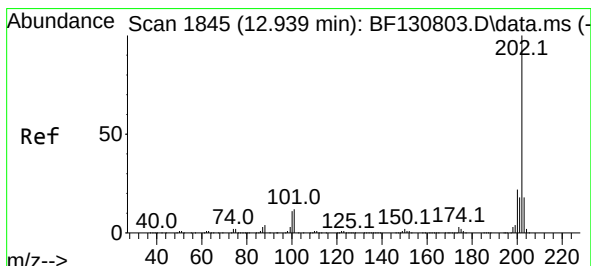
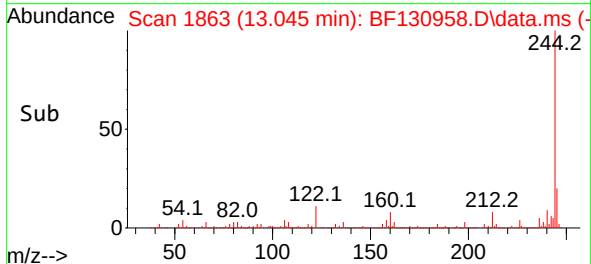
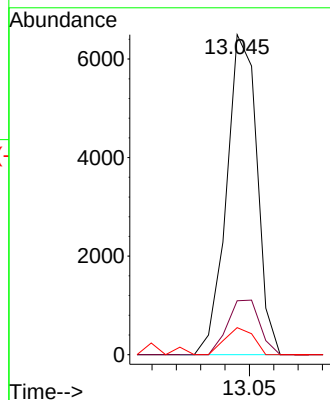
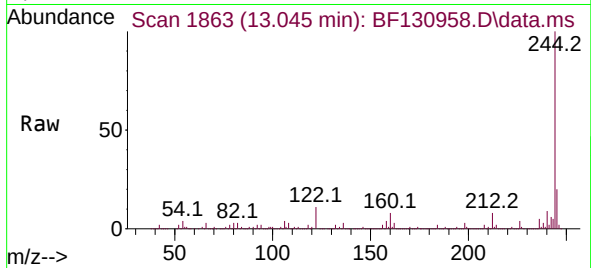




#77
Benzidine
Concen: 2.012 ng
RT: 13.045 min Scan# 1863
Delta R.T. 0.241 min
Lab File: BF130958.D
Acq: 03 Nov 2022 12:20

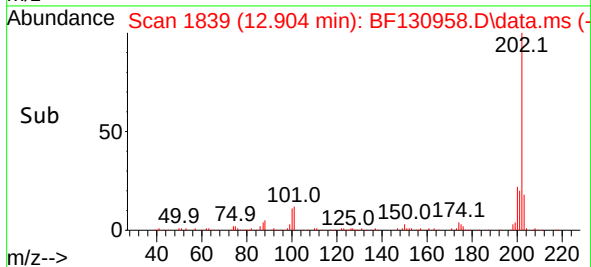
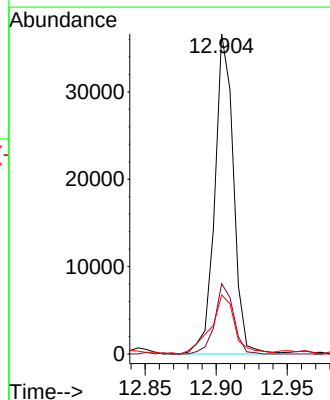
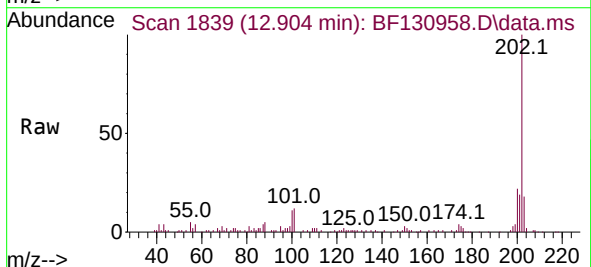
Instrument :
BNA_F
ClientSampleId :
S-11-103122

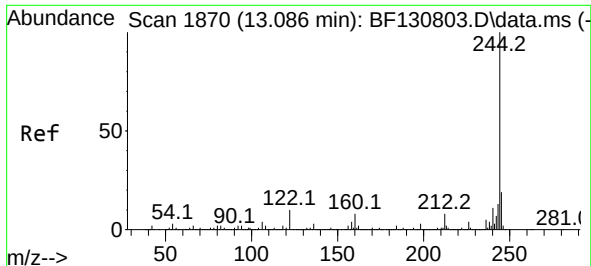
Tgt Ion:184 Resp: 5640
Ion Ratio Lower Upper
184 100
185 16.9 11.8 17.8
183 8.5 9.7 14.5#



#78
Pyrene
Concen: 3.444 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BF130958.D
Acq: 03 Nov 2022 12:20

Tgt Ion:202 Resp: 33559
Ion Ratio Lower Upper
202 100
200 22.0 17.2 25.8
203 18.4 14.5 21.7

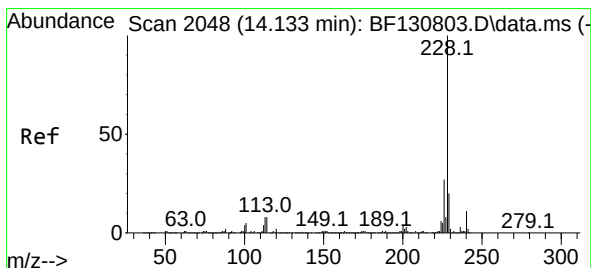
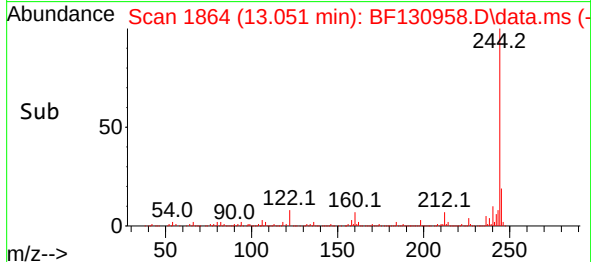
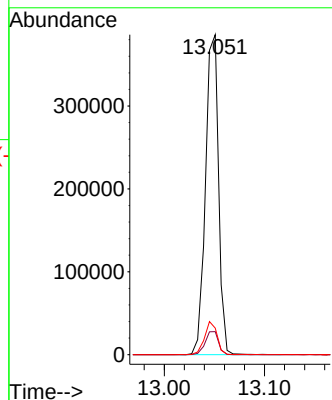
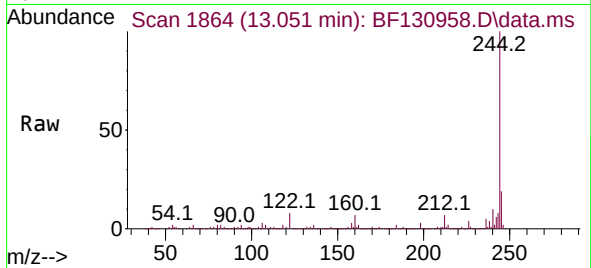




#79
 Terphenyl-d14
 Concen: 55.807 ng
 RT: 13.051 min Scan# 1864
 Delta R.T. -0.006 min
 Lab File: BF130958.D
 Acq: 03 Nov 2022 12:20

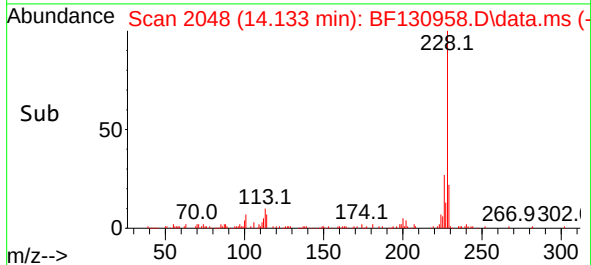
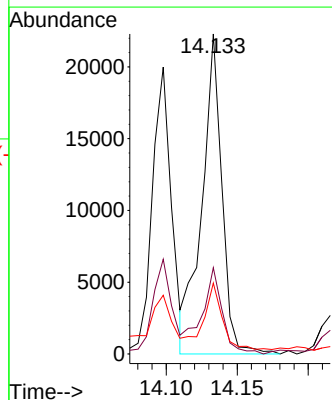
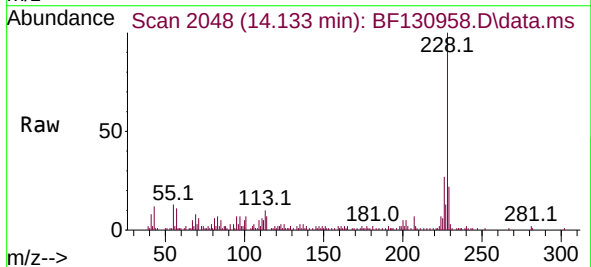
Instrument :
 BNA_F
 ClientSampleId :
 S-11-103122

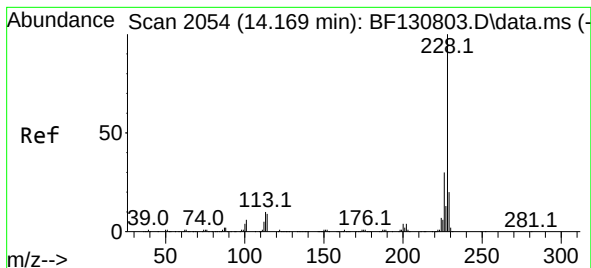
Tgt Ion:244 Resp: 351745
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.2 9.2
 122 8.3 7.9 11.9



#81
 Benzo(a)anthracene
 Concen: 2.872 ng
 RT: 14.133 min Scan# 2048
 Delta R.T. 0.023 min
 Lab File: BF130958.D
 Acq: 03 Nov 2022 12:20

Tgt Ion:228 Resp: 21992
 Ion Ratio Lower Upper
 228 100
 226 26.9 21.4 32.2
 229 22.1 15.8 23.6





#83

Chrysene

Concen: 2.977 ng

RT: 14.133 min Scan# 2048

Delta R.T. -0.012 min

Lab File: BF130958.D

Acq: 03 Nov 2022 12:20

Instrument :

BNA_F

ClientSampleId :

S-11-103122

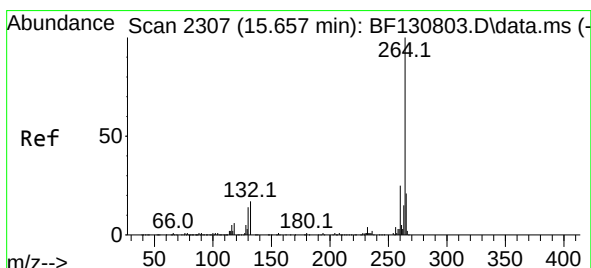
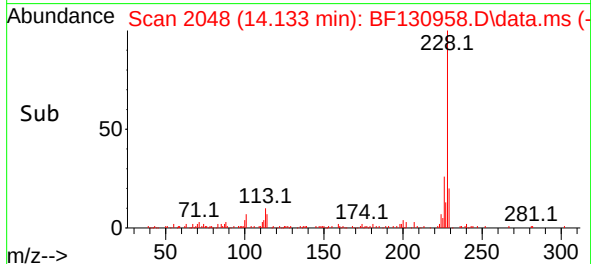
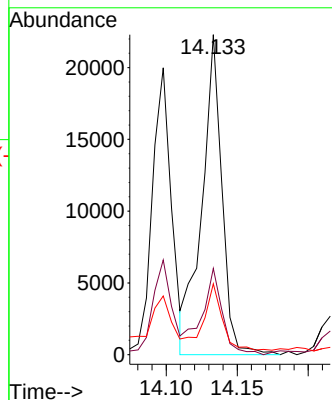
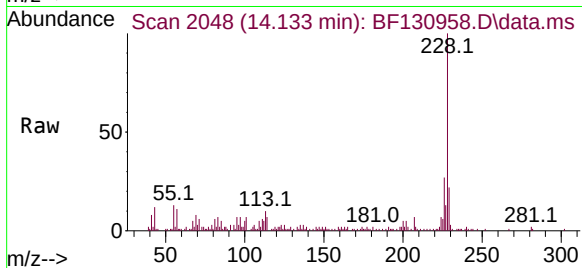
Tgt Ion:228 Resp: 21992

Ion Ratio Lower Upper

228 100

226 26.9 23.9 35.9

229 22.1 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.621 min Scan# 2301

Delta R.T. -0.006 min

Lab File: BF130958.D

Acq: 03 Nov 2022 12:20

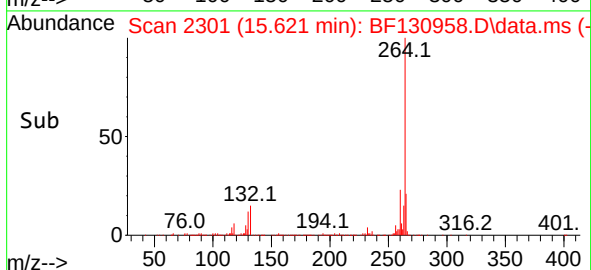
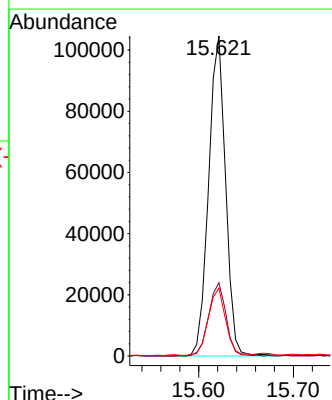
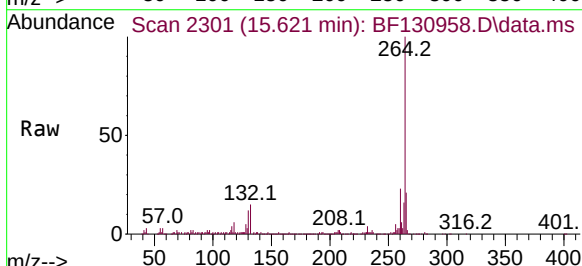
Tgt Ion:264 Resp: 130029

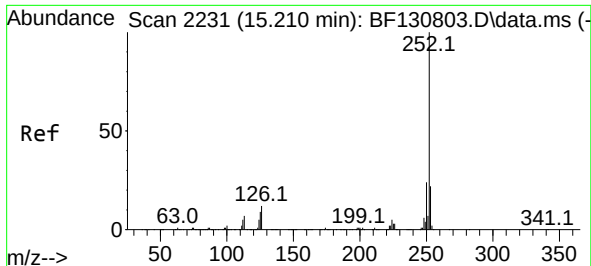
Ion Ratio Lower Upper

264 100

260 22.9 19.9 29.9

265 21.2 17.0 25.6

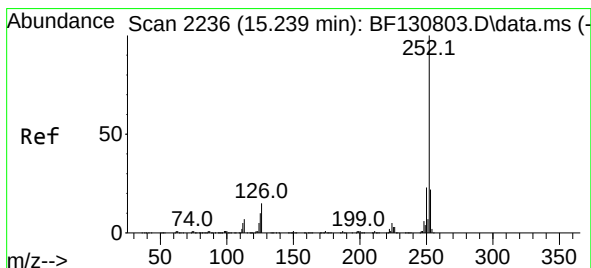
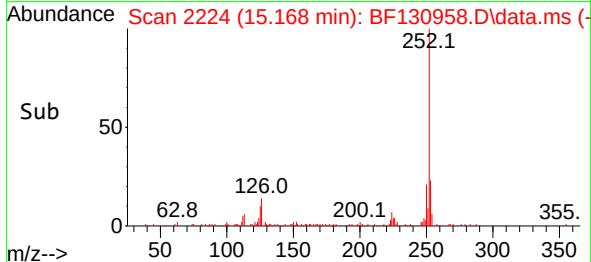
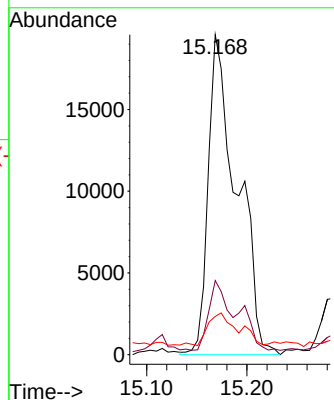
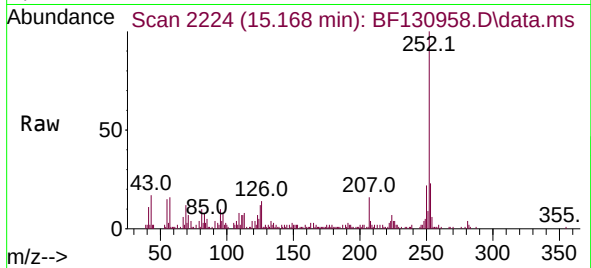




#88
Benzo(b)fluoranthene
Concen: 4.627 ng
RT: 15.168 min Scan# 2115
Delta R.T. -0.012 min
Lab File: BF130958.D
Acq: 03 Nov 2022 12:20

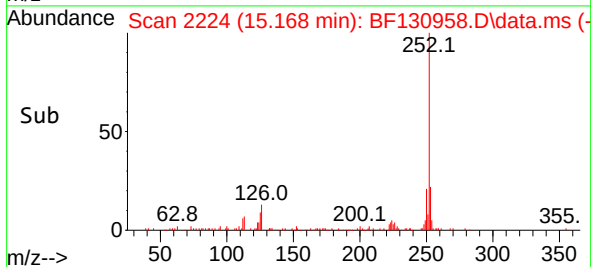
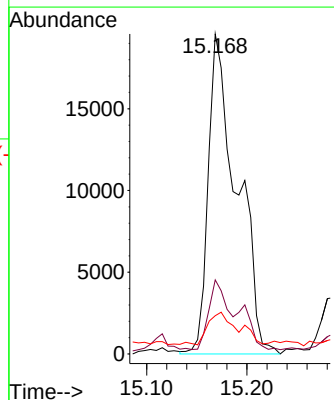
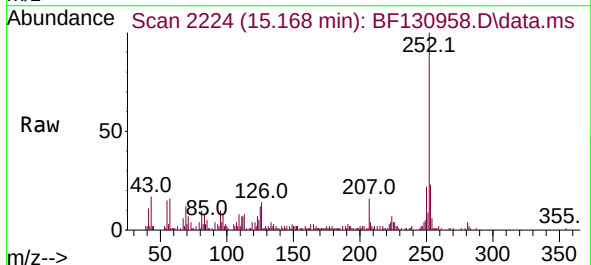
Instrument :
BNA_F
ClientSampleId :
S-11-103122

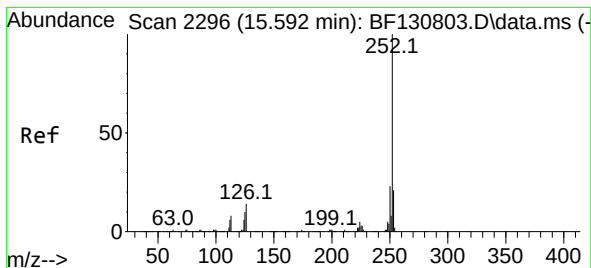
Tgt Ion:252 Resp: 38892
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 11.9 7.0 10.4#



#89
Benzo(k)fluoranthene
Concen: 4.748 ng
RT: 15.168 min Scan# 2224
Delta R.T. -0.047 min
Lab File: BF130958.D
Acq: 03 Nov 2022 12:20

Tgt Ion:252 Resp: 38892
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 11.9 8.0 12.0





#90

Benzo(a)pyrene

Concen: 2.992 ng

RT: 15.551 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF130958.D

Acq: 03 Nov 2022 12:20

Instrument :

BNA_F

ClientSampleId :

S-11-103122

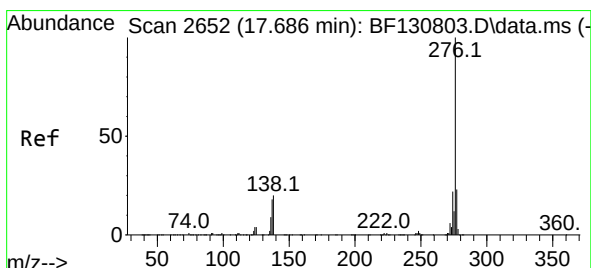
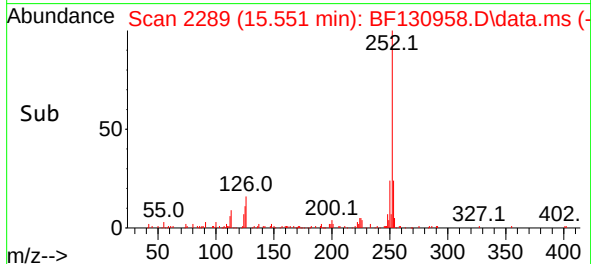
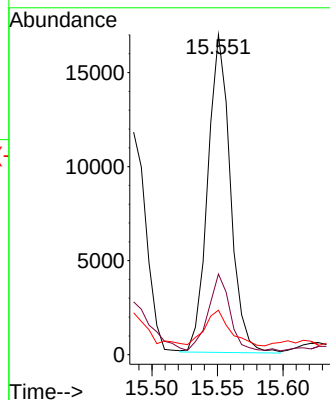
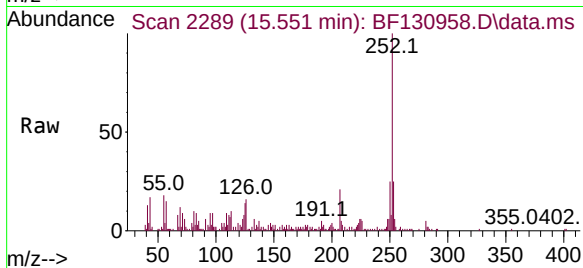
Tgt Ion:252 Resp: 20215

Ion Ratio Lower Upper

252 100

253 25.2 16.8 25.2

125 13.9 8.3 12.5#



#92

Benzo(g,h,i)perylene

Concen: 2.043 ng

RT: 17.621 min Scan# 2641

Delta R.T. -0.029 min

Lab File: BF130958.D

Acq: 03 Nov 2022 12:20

Tgt Ion:276 Resp: 14672

Ion Ratio Lower Upper

276 100

277 28.4 18.8 28.2#

138 14.4 16.3 24.5#

