

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
 Data File : BF130957.D
 Acq On : 03 Nov 2022 11:48
 Operator : CG\JU
 Sample : N5395-12RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-9-103122

Quant Time: Nov 03 14:10:50 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

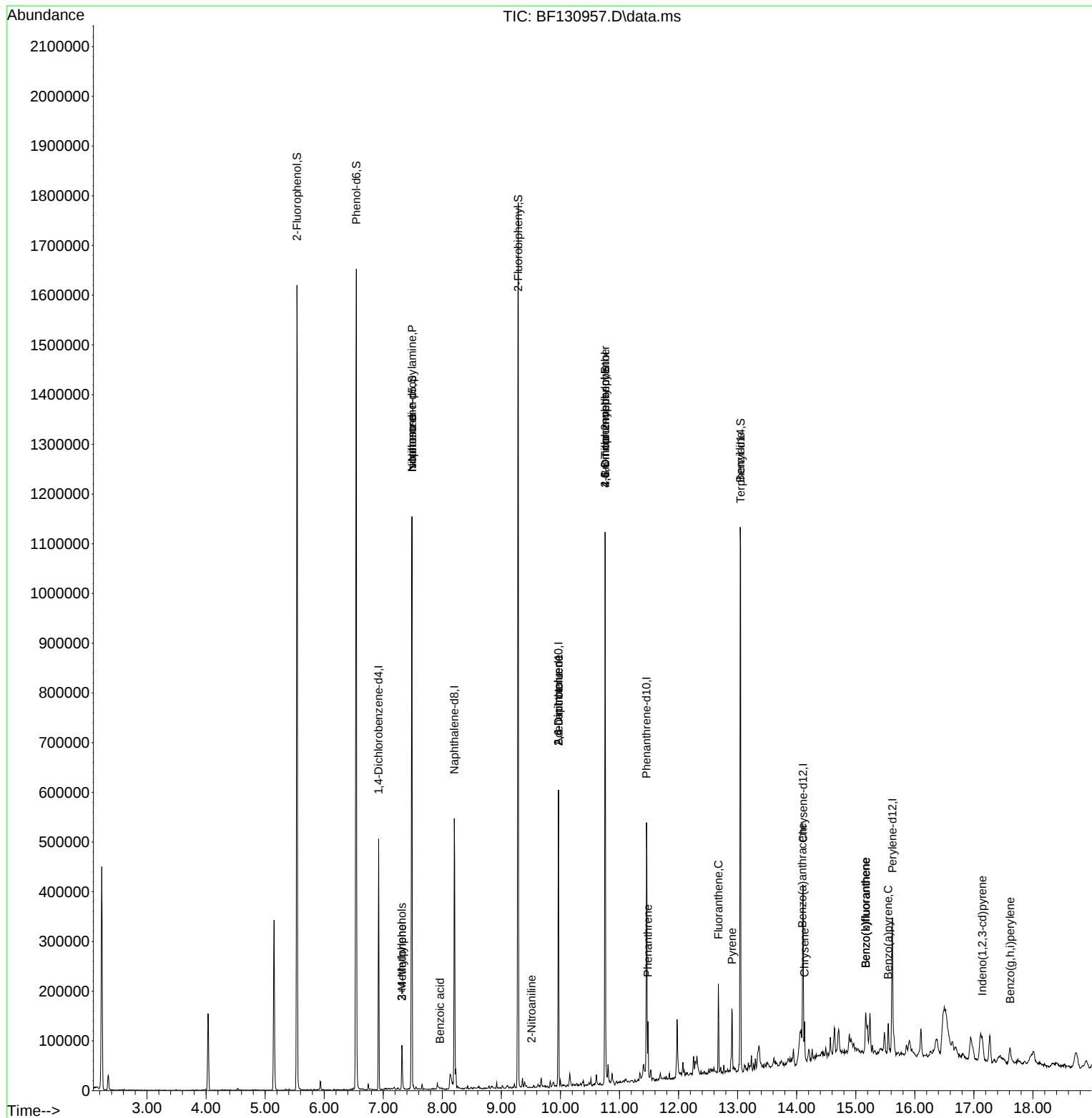
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	59503	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	227373	20.000	ng	-0.01
39) Acenaphthene-d10	9.969	164	114116	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	174531	20.000	ng	-0.01
76) Chrysene-d12	14.110	240	110979	20.000	ng	-0.01
86) Perylene-d12	15.621	264	125049	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	411824	119.984	ng	0.00
7) Phenol-d6	6.545	99	519079	116.378	ng	0.00
23) Nitrobenzene-d5	7.487	82	347606	92.184	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	115157	119.877	ng	-0.01
45) 2-Fluorobiphenyl	9.286	172	533489	70.680	ng	0.00
79) Terphenyl-d14	13.051	244	367162	60.625	ng	0.00
Target Compounds						
						Qvalue
17) 2-Methylphenol	7.316	107	23068	7.059	ng	# 68
19) n-Nitroso-di-n-propyla...	7.487	70	50103	16.510	ng	# 78
20) 3+4-Methylphenols	7.316	107	23068	5.429	ng	83
25) Isophorone	7.487	82	346782	44.597	ng	# 66
32) Benzoic acid	7.963	122	157	7.737	ng	# 74
48) 2-Nitroaniline	9.510	65	161	4.217	ng	# 12
51) 2,6-Dinitrotoluene	9.969	165	15052	12.304	ng	# 15
57) 2,4-Dinitrotoluene	9.969	165	15052	11.126	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.757	198	335	8.312	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	7224	4.116	ng	# 1
71) Phenanthrene	11.480	178	34560	3.837	ng	98
75) Fluoranthene	12.674	202	62341	6.513	ng	97
77) Benzidine	13.045	184	5856	2.174	ng	# 93
78) Pyrene	12.904	202	52934	5.653	ng	98
81) Benzo(a)anthracene	14.098	228	25983	3.531	ng	94
83) Chrysene	14.133	228	29266	4.124	ng	97
87) Indeno(1,2,3-cd)pyrene	17.145	276	21181	2.551	ng	99
88) Benzo(b)fluoranthene	15.168	252	52694	6.519	ng	# 96
89) Benzo(k)fluoranthene	15.168	252	52694	6.690	ng	97
90) Benzo(a)pyrene	15.551	252	28600	4.401	ng	96
92) Benzo(g,h,i)perylene	17.615	276	19433	2.814	ng	99

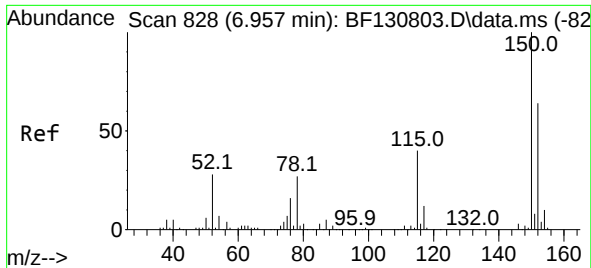
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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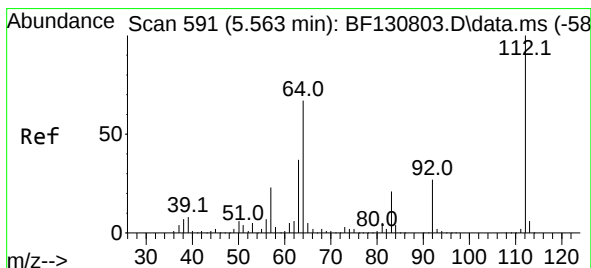
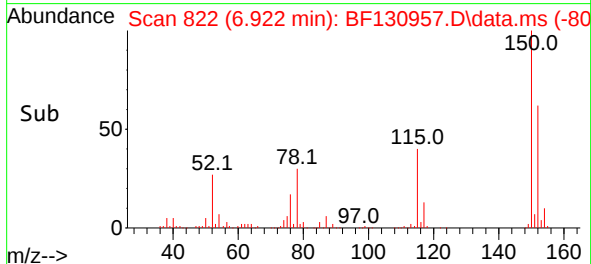
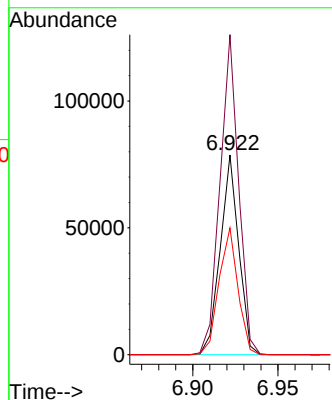
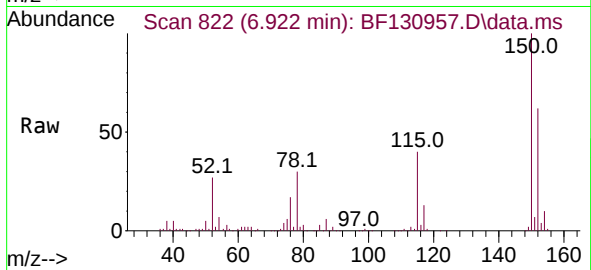




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

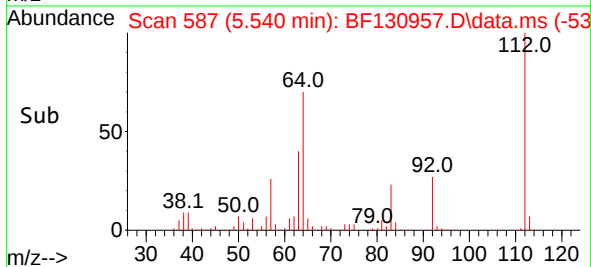
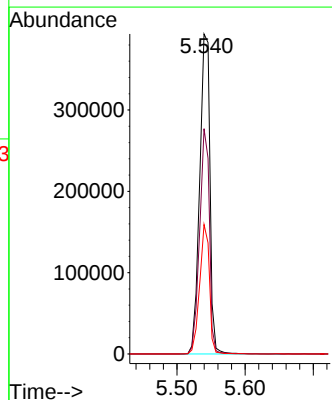
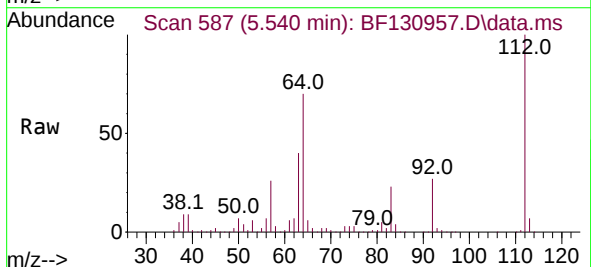
Instrument :
BNA_F
ClientSampleId :
S-9-103122

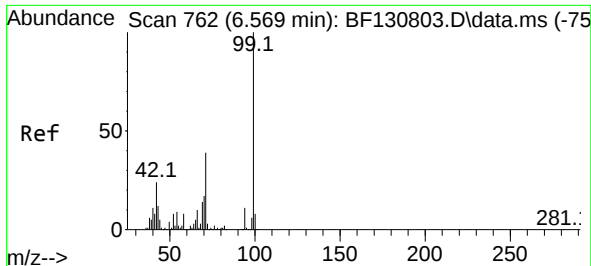
Tgt Ion:152 Resp: 59503
Ion Ratio Lower Upper
152 100
150 160.2 124.1 186.1
115 63.4 50.1 75.1



#5
2-Fluorophenol
Concen: 119.984 ng
RT: 5.540 min Scan# 587
Delta R.T. -0.000 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

Tgt Ion:112 Resp: 411824
Ion Ratio Lower Upper
112 100
64 70.4 53.9 80.9
63 40.5 29.4 44.2

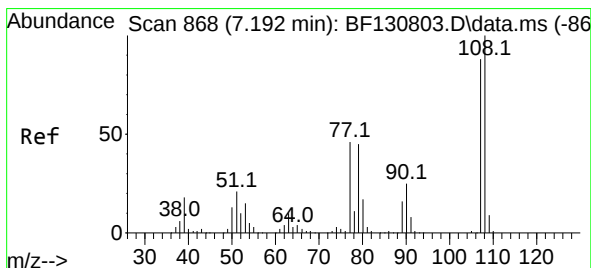
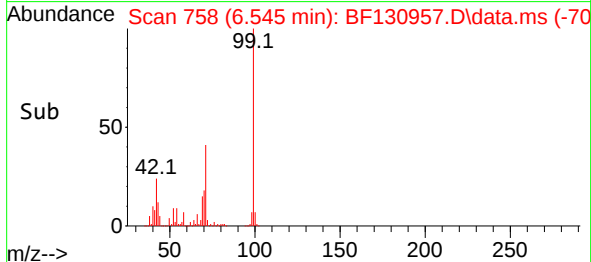
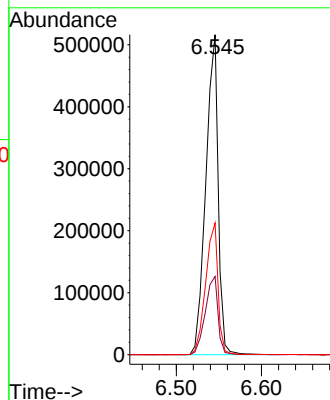
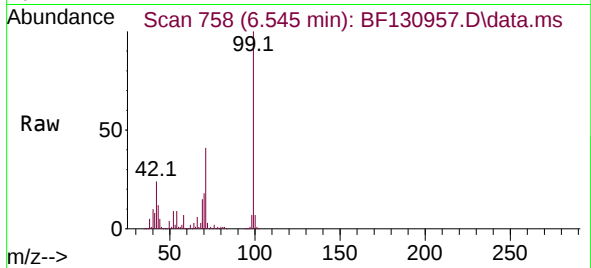




#7
Phenol-d6
Concen: 116.378 ng
RT: 6.545 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

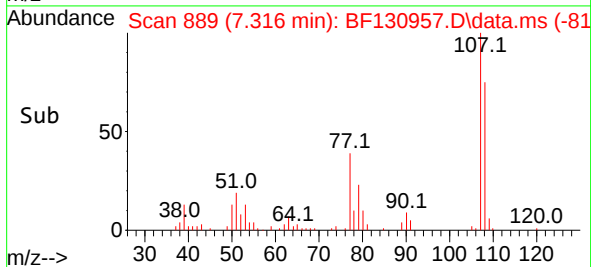
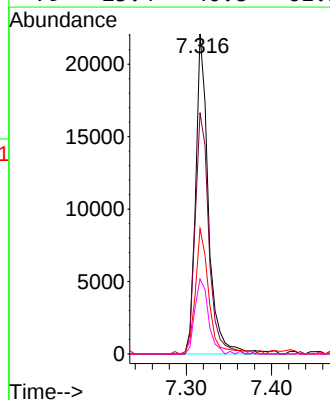
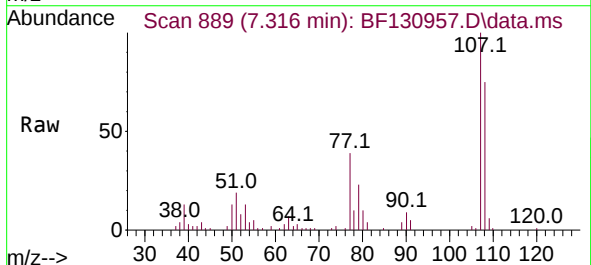
Instrument :
BNA_F
ClientSampleId :
S-9-103122

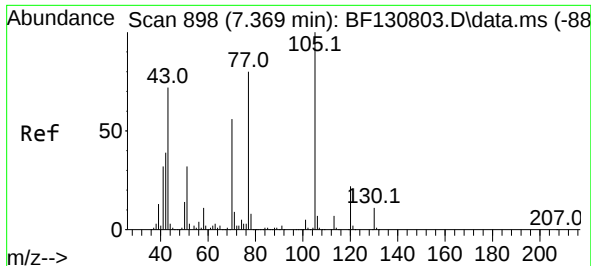
Tgt Ion: 99 Resp: 519079
Ion Ratio Lower Upper
99 100
42 24.4 18.8 28.2
71 41.1 31.4 47.0



#17
2-Methylphenol
Concen: 7.059 ng
RT: 7.316 min Scan# 889
Delta R.T. 0.141 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

Tgt Ion: 107 Resp: 23068
Ion Ratio Lower Upper
107 100
108 75.4 90.5 135.7#
77 39.2 41.2 61.8#
79 23.4 40.8 61.2#





#19

n-Nitroso-di-n-propylamine

Concen: 16.510 ng

RT: 7.487 min Scan# 91

Delta R.T. 0.147 min

Lab File: BF130957.D

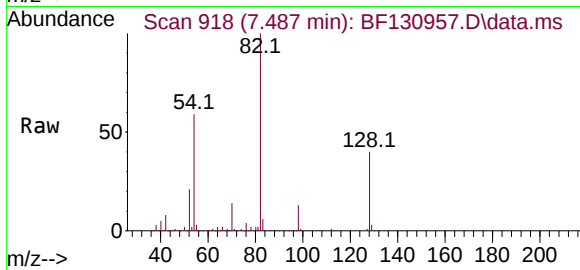
Acq: 03 Nov 2022 11:48

Instrument :

BNA_F

ClientSampleId :

S-9-103122



Tgt Ion: 70 Resp: 50103

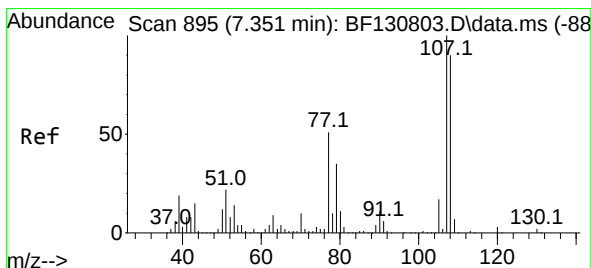
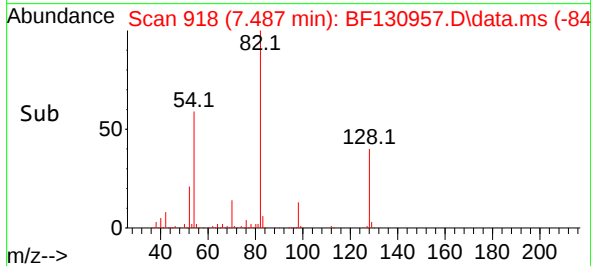
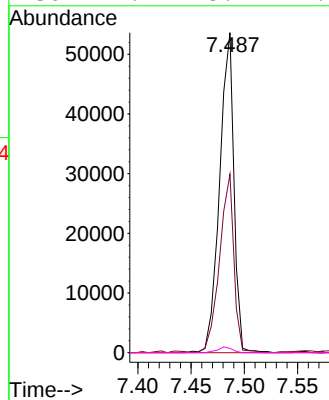
Ion Ratio Lower Upper

70 100

42 55.7 56.1 84.1#

101 0.0 7.3 10.9#

130 1.4 15.2 22.8#



#20

3+4-Methylphenols

Concen: 5.429 ng

RT: 7.316 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF130957.D

Acq: 03 Nov 2022 11:48

Tgt Ion: 107 Resp: 23068

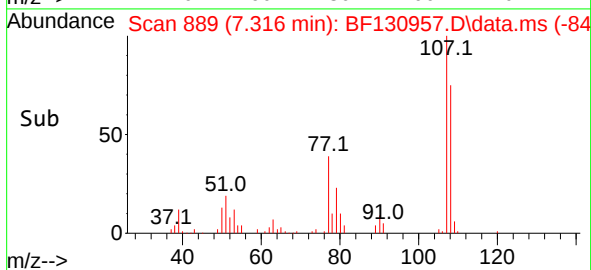
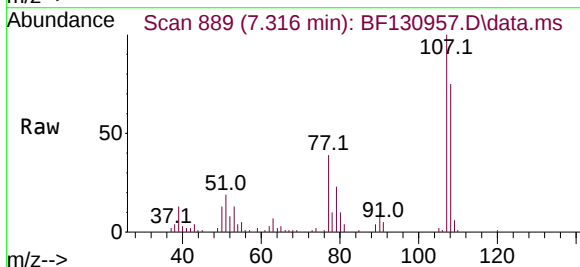
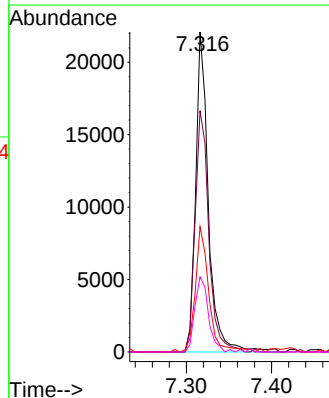
Ion Ratio Lower Upper

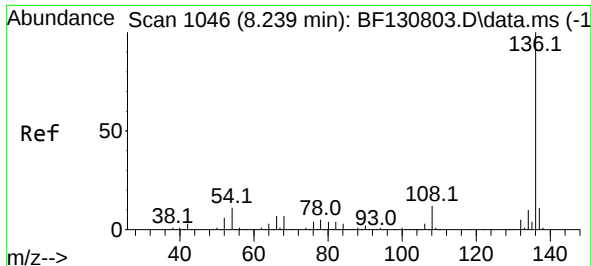
107 100

108 75.4 70.4 110.4

77 39.2 31.1 71.1

79 23.4 14.5 54.5

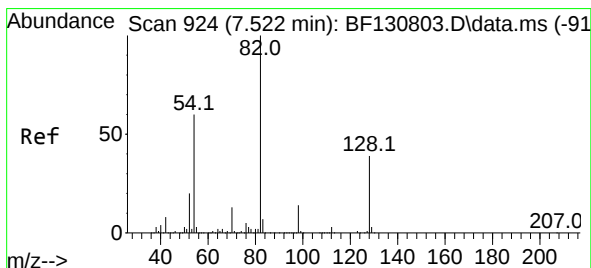
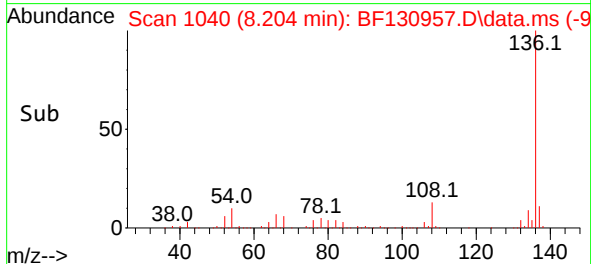
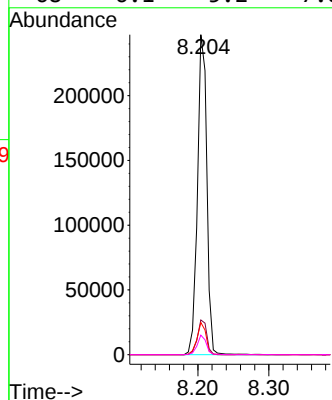
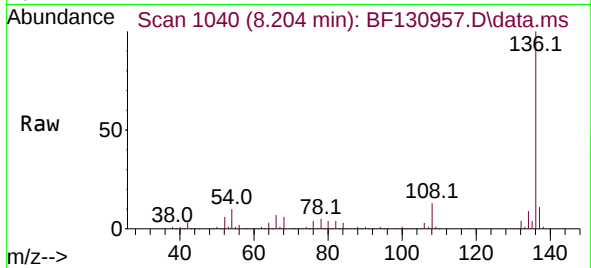




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

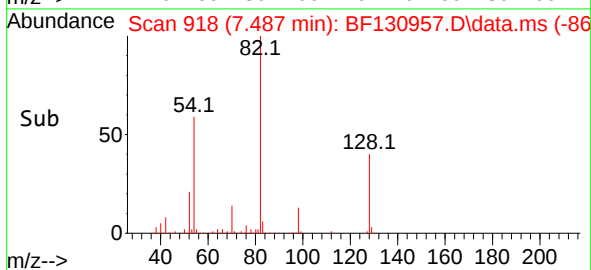
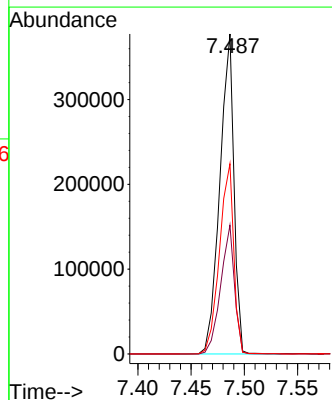
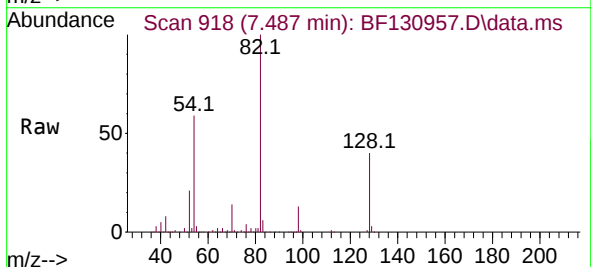
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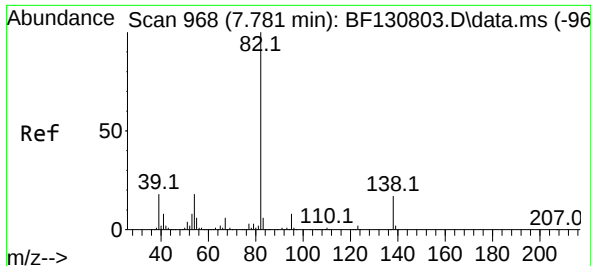
Tgt Ion:136 Resp: 227373
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 10.0 8.8 13.2
68 6.1 5.2 7.8



#23
Nitrobenzene-d5
Concen: 92.184 ng
RT: 7.487 min Scan# 918
Delta R.T. -0.006 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

Tgt Ion: 82 Resp: 347606
Ion Ratio Lower Upper
82 100
128 40.3 31.2 46.8
54 59.5 48.0 72.0

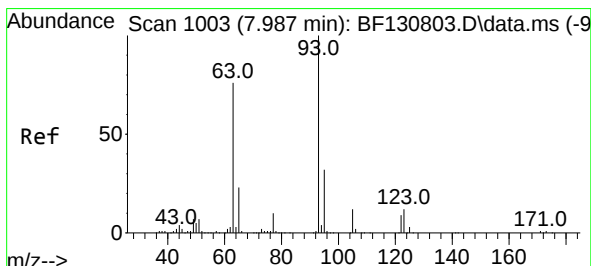
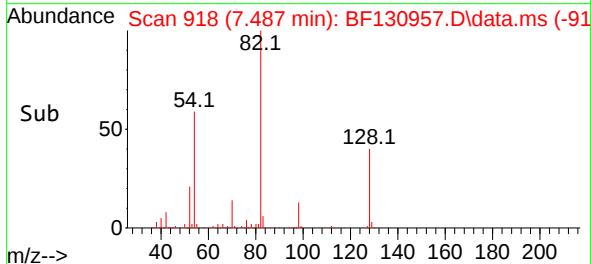
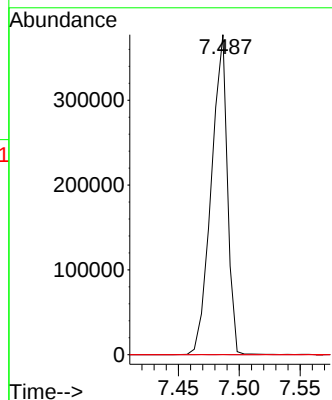
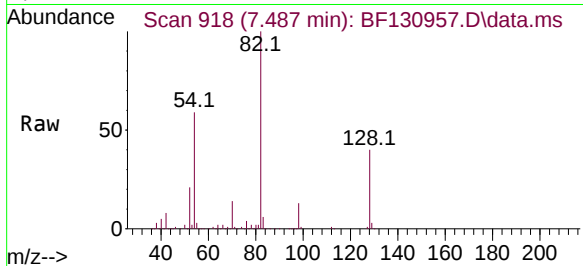




#25
Isophorone
Concen: 44.597 ng
RT: 7.487 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

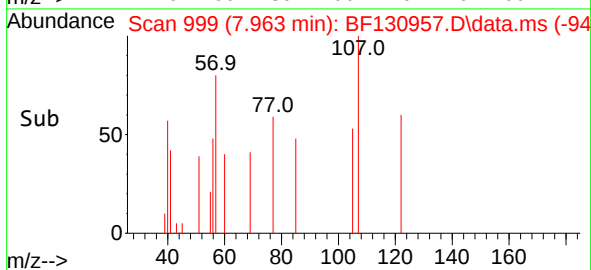
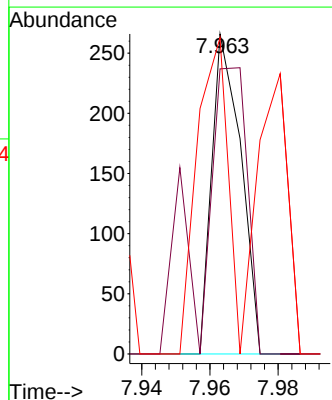
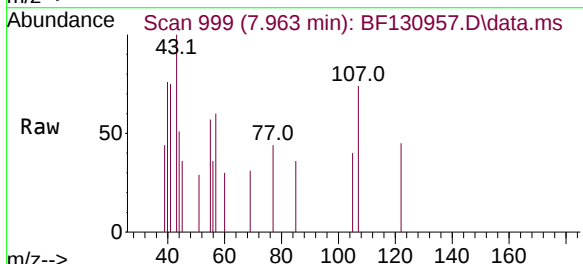
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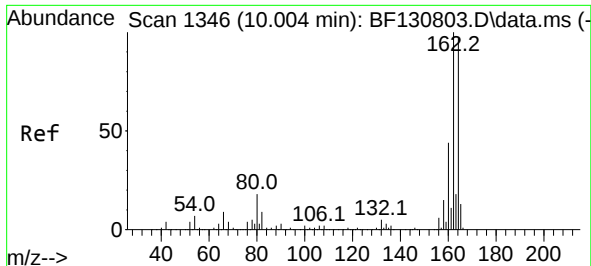
Tgt Ion: 82 Resp: 346782
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.737 ng
RT: 7.963 min Scan# 999
Delta R.T. -0.006 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

Tgt Ion: 122 Resp: 157
Ion Ratio Lower Upper
122 100
105 89.1 114.5 154.5#
77 98.9 89.8 129.8

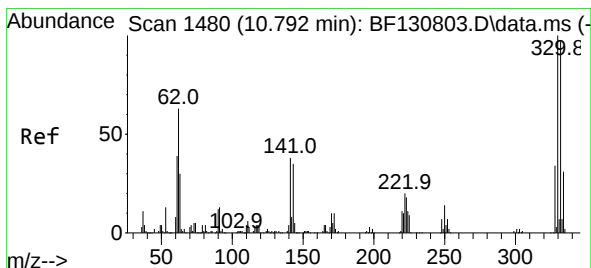
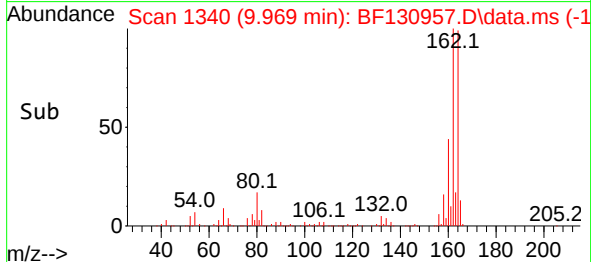
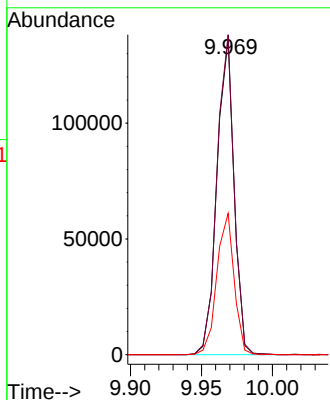
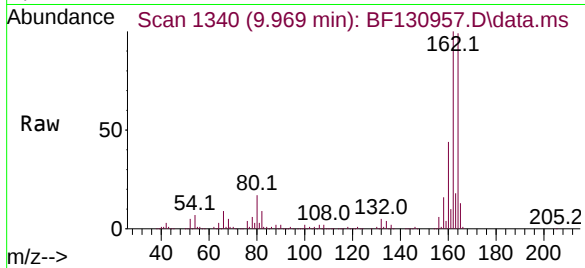




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

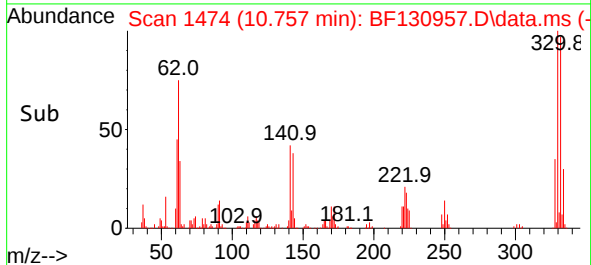
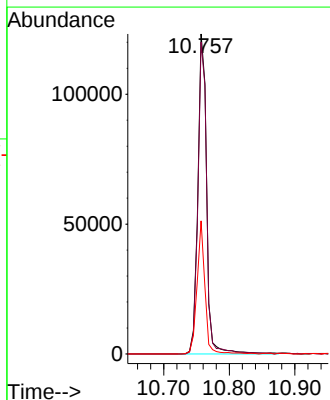
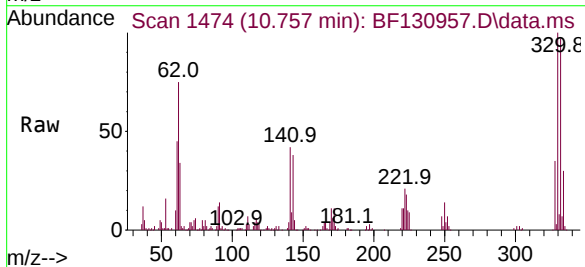
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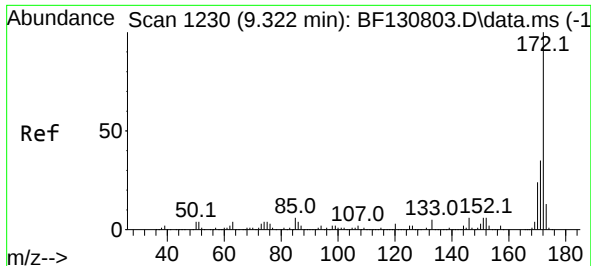
Tgt Ion:164 Resp: 114116
Ion Ratio Lower Upper
164 100
162 101.4 82.2 123.2
160 44.8 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 119.877 ng
RT: 10.757 min Scan# 1474
Delta R.T. -0.012 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

Tgt Ion:330 Resp: 115157
Ion Ratio Lower Upper
330 100
332 97.4 76.2 114.4
141 37.6 31.4 47.0





#45

2-Fluorobiphenyl

Concen: 70.680 ng

RT: 9.286 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130957.D

Acq: 03 Nov 2022 11:48

Instrument :

BNA_F

ClientSampleId :

S-9-103122

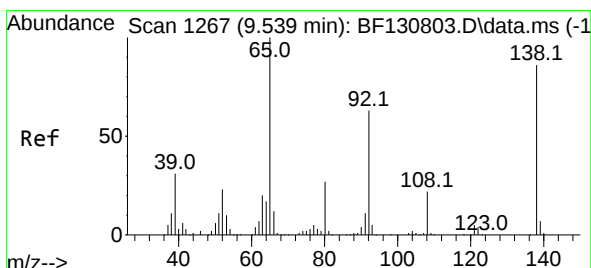
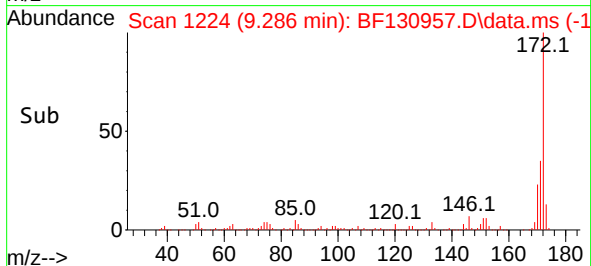
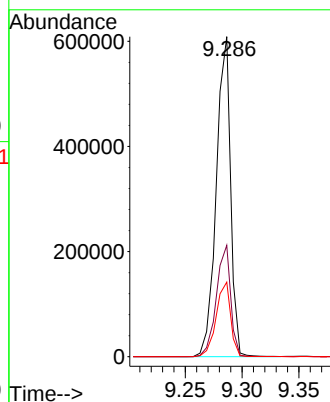
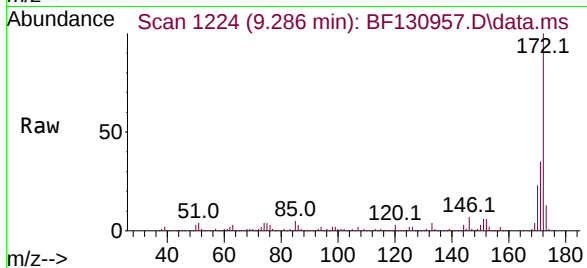
Tgt Ion:172 Resp: 533489

Ion Ratio Lower Upper

172 100

171 34.8 28.1 42.1

170 23.3 19.0 28.4



#48

2-Nitroaniline

Concen: 4.217 ng

RT: 9.510 min Scan# 1262

Delta R.T. -0.006 min

Lab File: BF130957.D

Acq: 03 Nov 2022 11:48

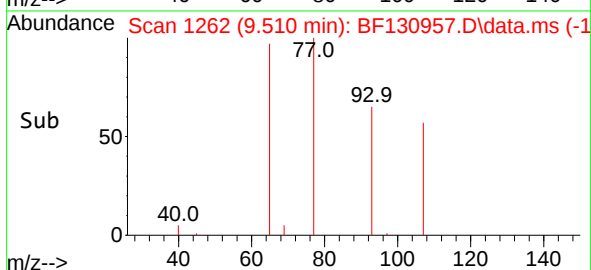
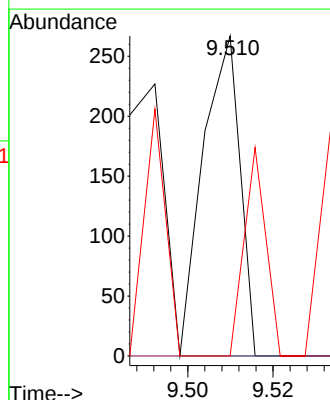
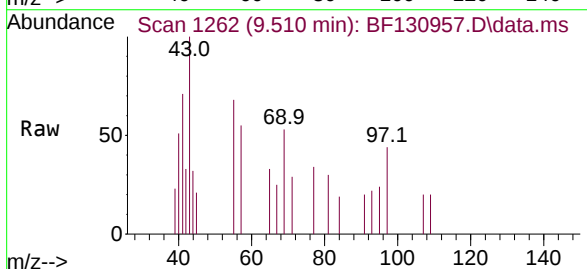
Tgt Ion: 65 Resp: 161

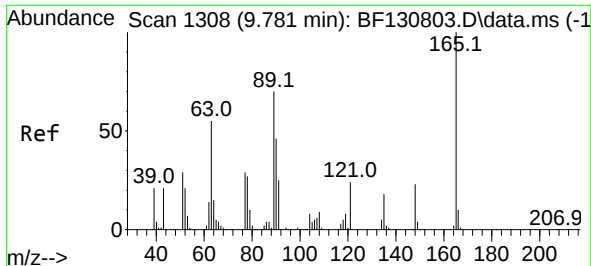
Ion Ratio Lower Upper

65 100

92 0.0 50.1 75.1#

138 0.0 69.2 103.8#

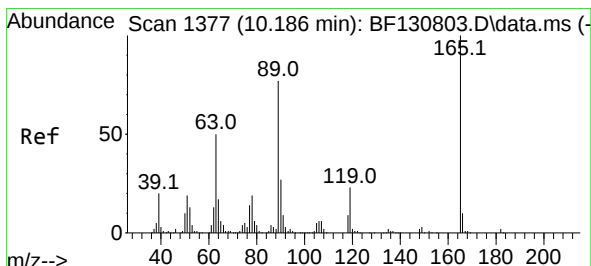
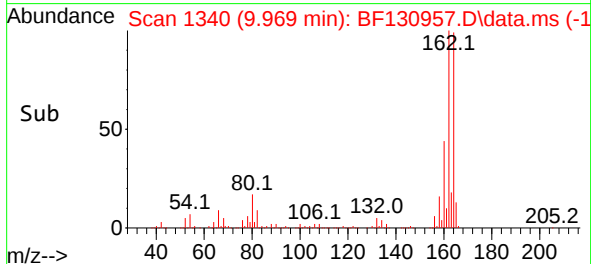
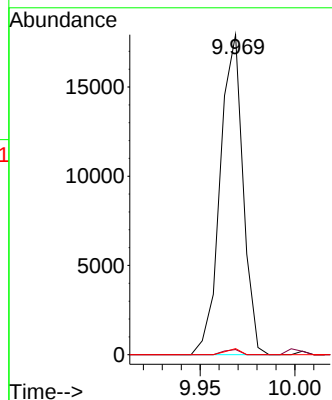
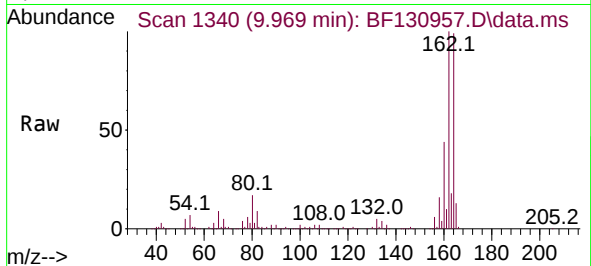




#51
2,6-Dinitrotoluene
Concen: 12.304 ng
RT: 9.969 min Scan# 1340
Delta R.T. 0.212 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

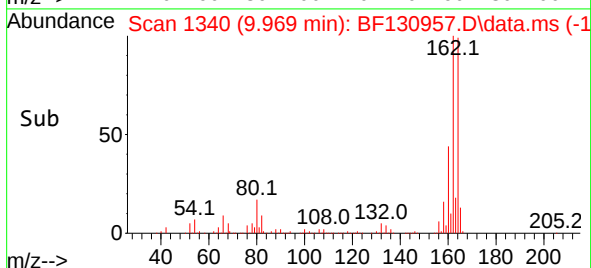
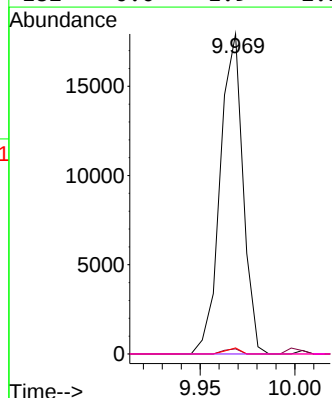
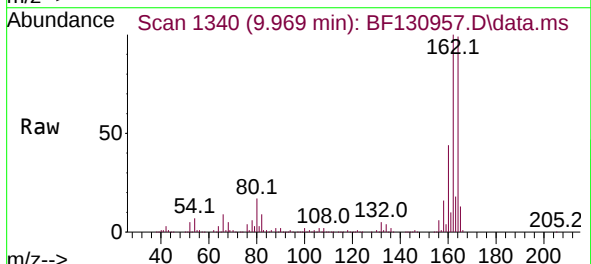
Instrument :
BNA_F
ClientSampleId :
S-9-103122

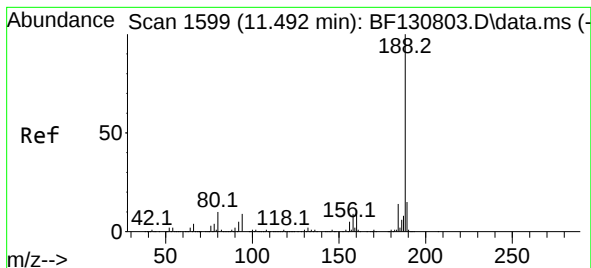
Tgt Ion:165 Resp: 15052
Ion Ratio Lower Upper
165 100
63 1.6 61.8 92.8#
89 1.9 56.2 84.4#



#57
2,4-Dinitrotoluene
Concen: 11.126 ng
RT: 9.969 min Scan# 1340
Delta R.T. -0.194 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

Tgt Ion:165 Resp: 15052
Ion Ratio Lower Upper
165 100
63 1.6 39.8 59.6#
89 1.9 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: BF130957.D

Acq: 03 Nov 2022 11:48

Instrument :

BNA_F

ClientSampleId :

S-9-103122

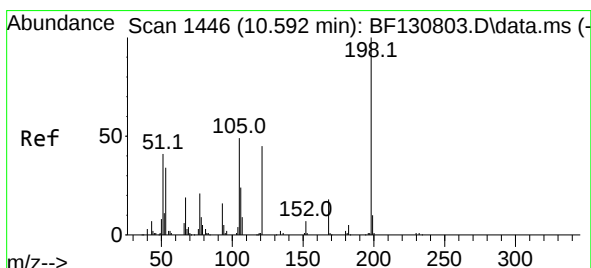
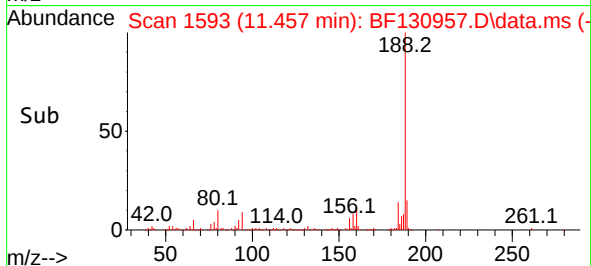
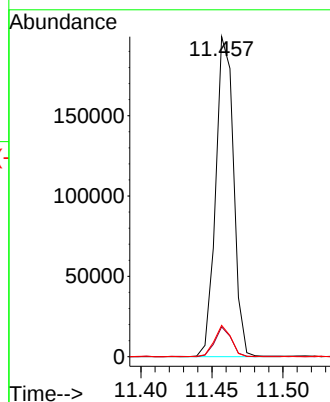
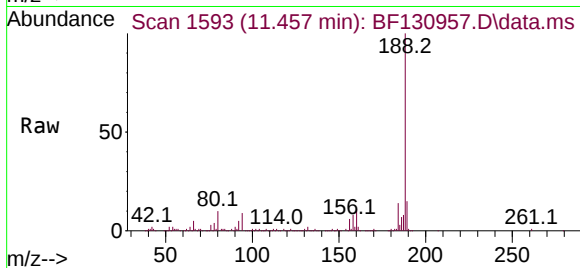
Tgt Ion:188 Resp: 174531

Ion Ratio Lower Upper

188 100

94 9.3 7.4 11.2

80 9.8 8.0 12.0



#65

4,6-Dinitro-2-methylphenol

Concen: 8.312 ng

RT: 10.757 min Scan# 1474

Delta R.T. 0.188 min

Lab File: BF130957.D

Acq: 03 Nov 2022 11:48

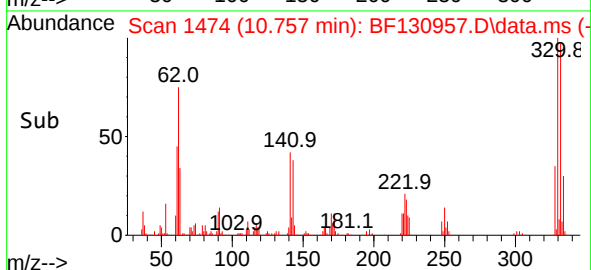
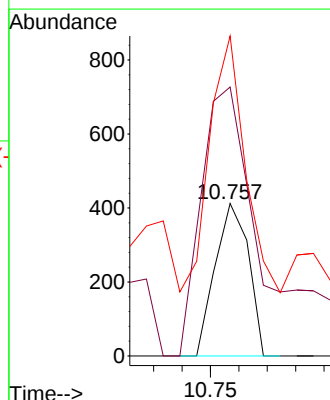
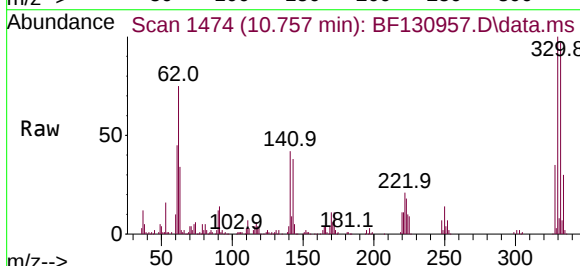
Tgt Ion:198 Resp: 335

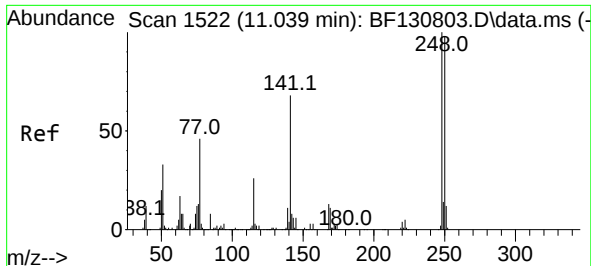
Ion Ratio Lower Upper

198 100

51 176.5 39.0 79.0#

105 210.0 30.6 70.6#

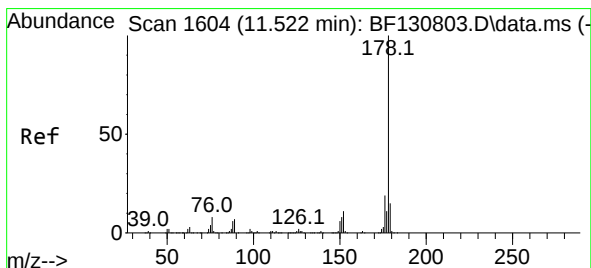
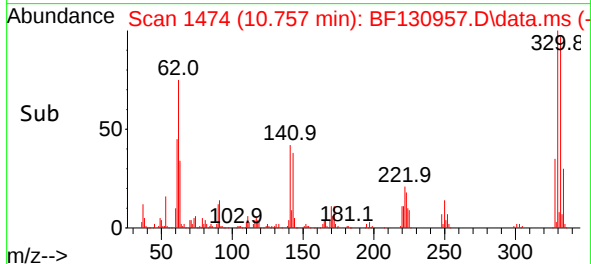
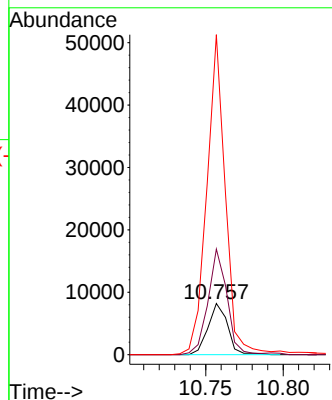
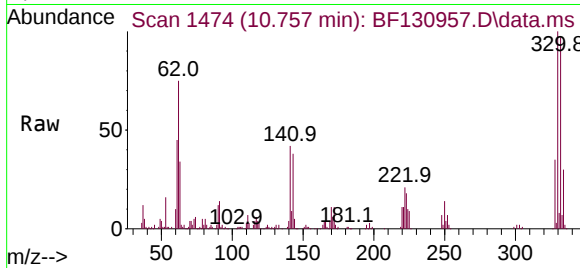




#67
4-Bromophenyl-phenylether
Concen: 4.116 ng
RT: 10.757 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

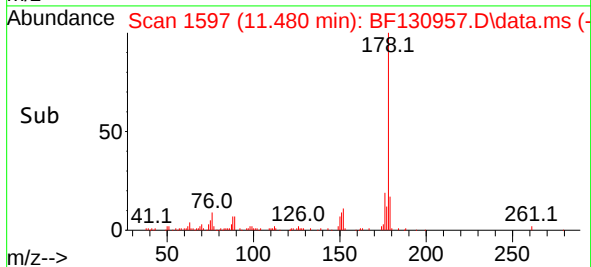
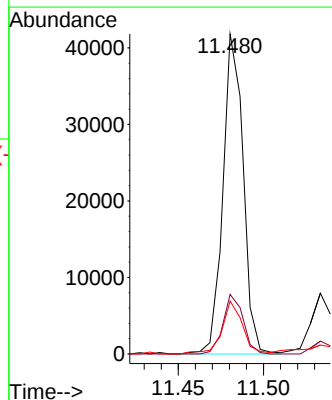
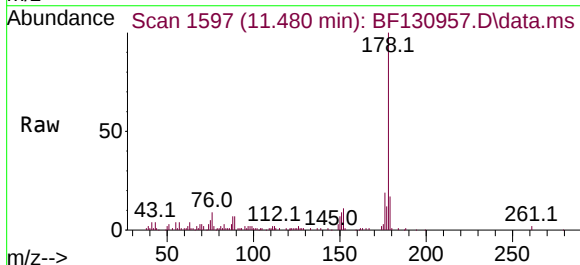
Instrument :
BNA_F
ClientSampleId :
S-9-103122

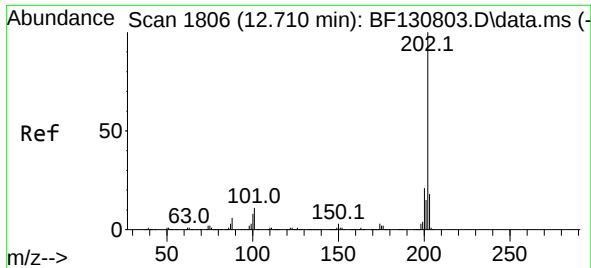
Tgt Ion:248 Resp: 7224
Ion Ratio Lower Upper
248 100
250 206.4 78.6 117.8#
141 625.3 54.2 81.4#



#71
Phenanthrene
Concen: 3.837 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.012 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

Tgt Ion:178 Resp: 34560
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 16.5 12.2 18.2

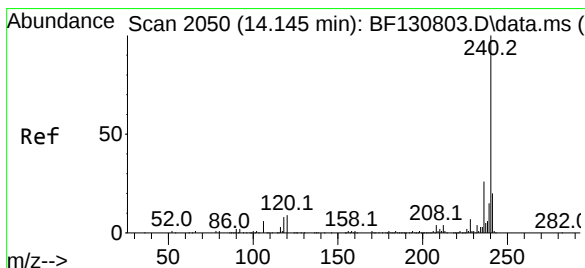
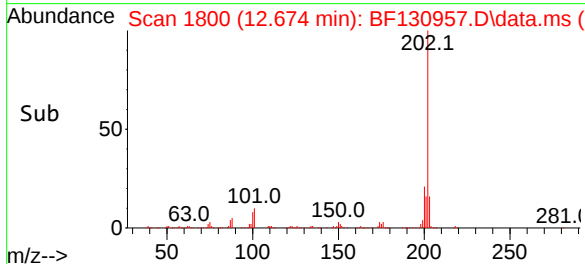
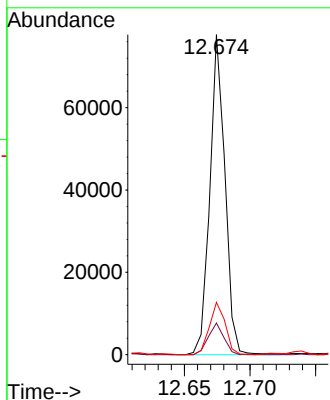
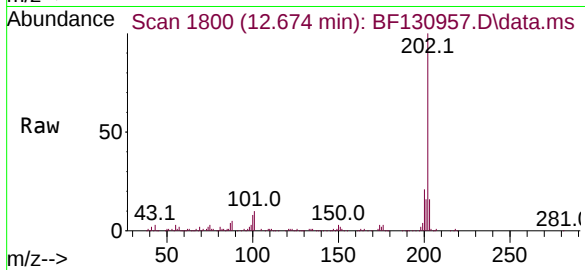




#75
Fluoranthene
Concen: 6.513 ng
RT: 12.674 min Scan# 1806
Delta R.T. -0.012 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

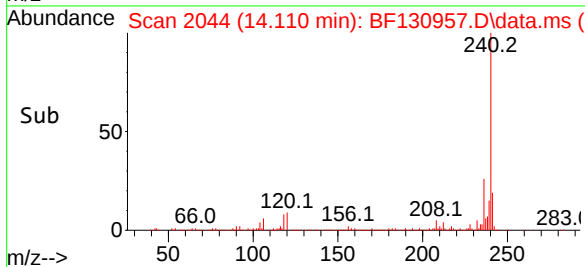
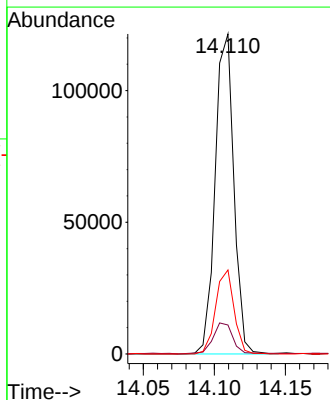
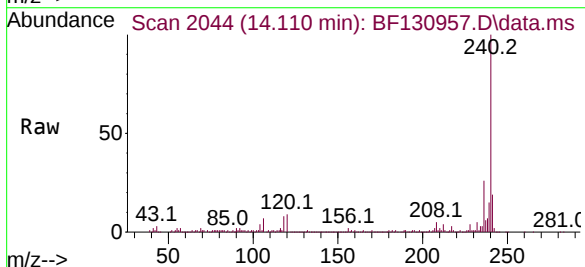
Instrument :
BNA_F
ClientSampleId :
S-9-103122

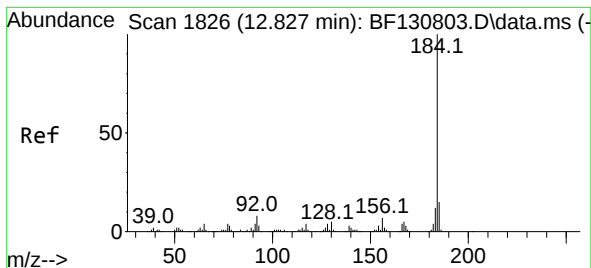
Tgt Ion:202 Resp: 62341
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.9
203 16.4 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.110 min Scan# 2044
Delta R.T. -0.012 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

Tgt Ion:240 Resp: 110979
Ion Ratio Lower Upper
240 100
120 9.1 7.0 10.4
236 26.2 20.5 30.7





#77

Benzidine

Concen: 2.174 ng

RT: 13.045 min Scan# 1863

Delta R.T. 0.241 min

Lab File: BF130957.D

Acq: 03 Nov 2022 11:48

Instrument :

BNA_F

ClientSampleId :

S-9-103122

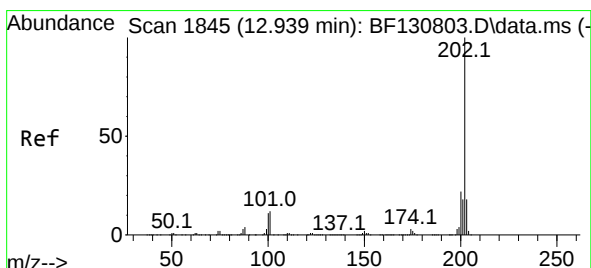
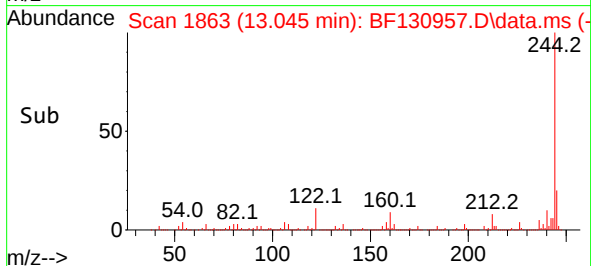
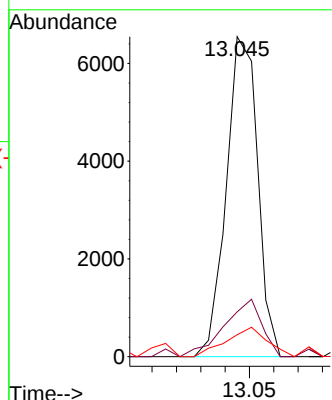
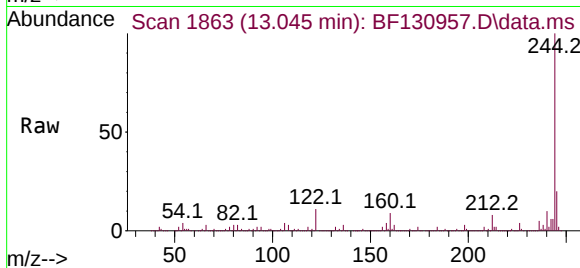
Tgt Ion:184 Resp: 5856

Ion Ratio Lower Upper

184 100

185 14.0 11.8 17.8

183 6.9 9.7 14.5#



#78

Pyrene

Concen: 5.653 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF130957.D

Acq: 03 Nov 2022 11:48

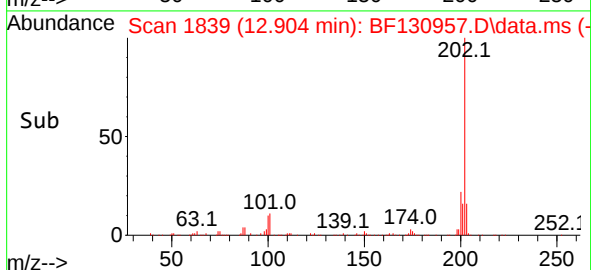
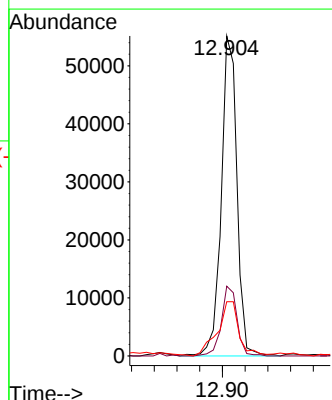
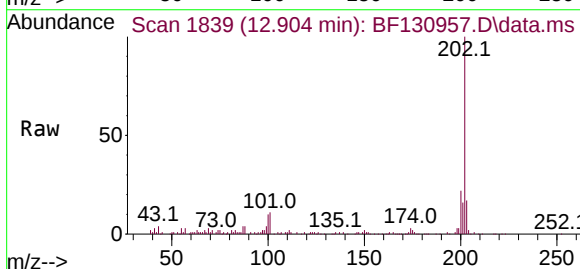
Tgt Ion:202 Resp: 52934

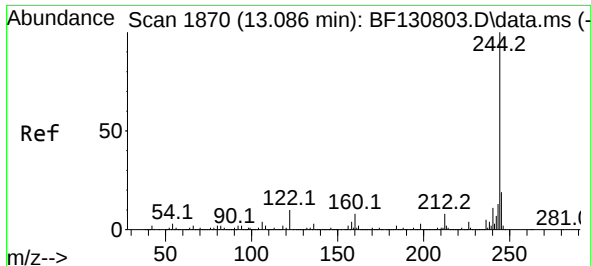
Ion Ratio Lower Upper

202 100

200 21.8 17.2 25.8

203 17.0 14.5 21.7

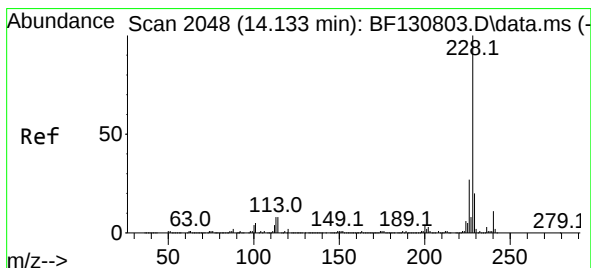
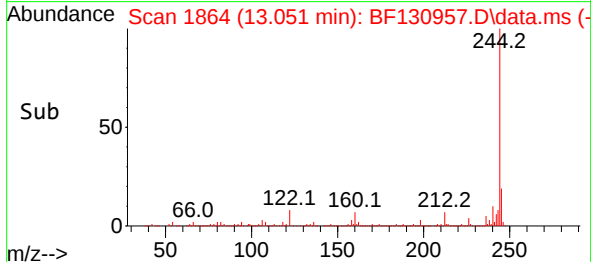
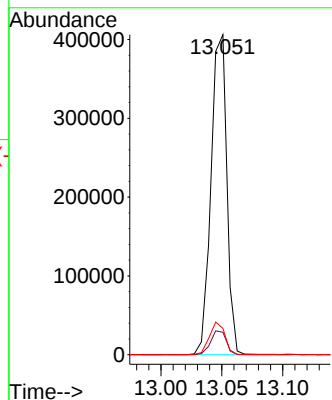
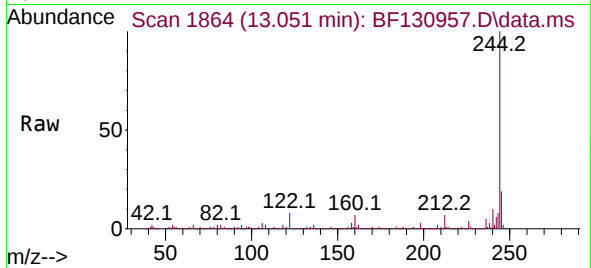




#79
 Terphenyl-d14
 Concen: 60.625 ng
 RT: 13.051 min Scan# 1864
 Delta R.T. -0.006 min
 Lab File: BF130957.D
 Acq: 03 Nov 2022 11:48

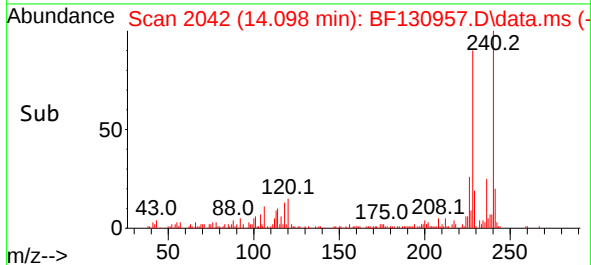
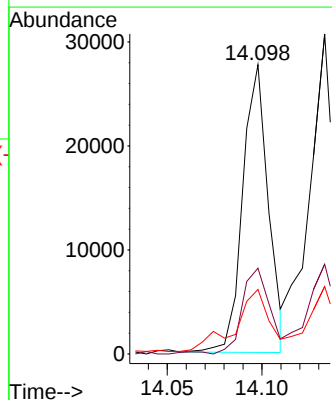
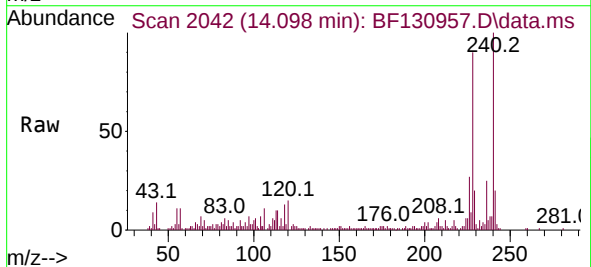
Instrument :
 BNA_F
 ClientSampleId :
 S-9-103122

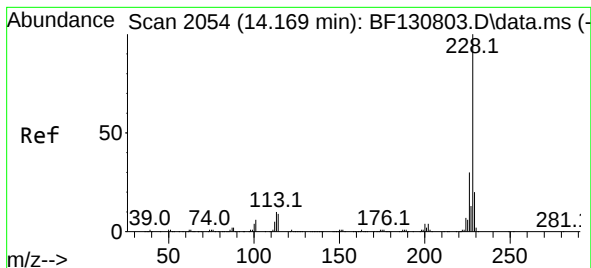
Tgt Ion:244 Resp: 367162
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.2 9.2
 122 8.2 7.9 11.9



#81
 Benzo(a)anthracene
 Concen: 3.531 ng
 RT: 14.098 min Scan# 2042
 Delta R.T. -0.012 min
 Lab File: BF130957.D
 Acq: 03 Nov 2022 11:48

Tgt Ion:228 Resp: 25983
 Ion Ratio Lower Upper
 228 100
 226 29.7 21.4 32.2
 229 22.3 15.8 23.6





#83

Chrysene

Concen: 4.124 ng

RT: 14.133 min Scan# 2048

Delta R.T. -0.012 min

Lab File: BF130957.D

Acq: 03 Nov 2022 11:48

Instrument :

BNA_F

ClientSampleId :

S-9-103122

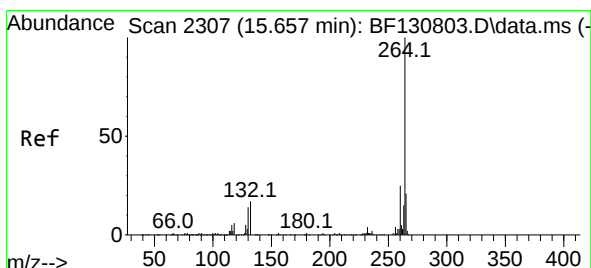
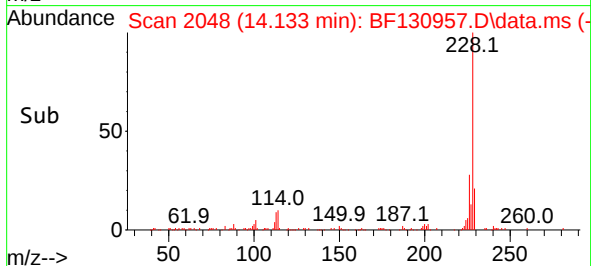
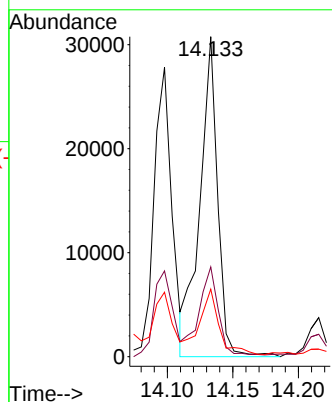
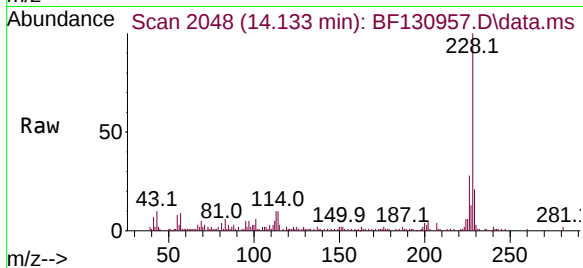
Tgt Ion:228 Resp: 29266

Ion Ratio Lower Upper

228 100

226 28.1 23.9 35.9

229 21.1 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: BF130957.D

Acq: 03 Nov 2022 11:48

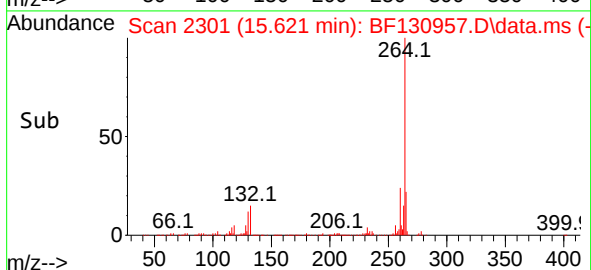
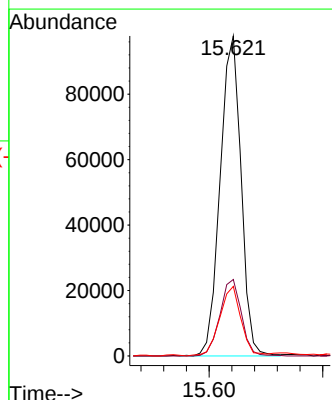
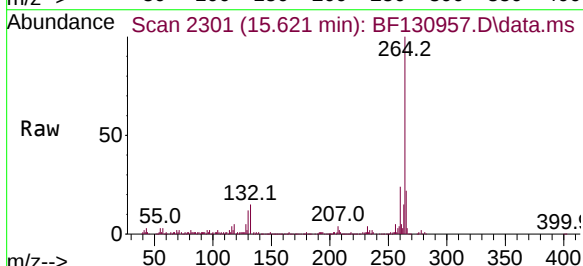
Tgt Ion:264 Resp: 125049

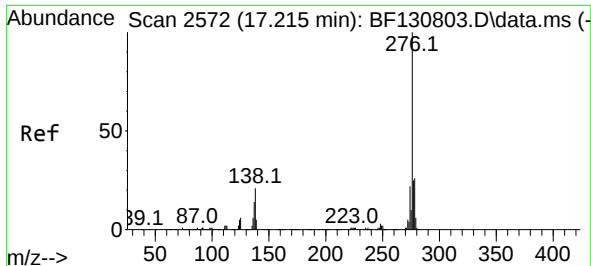
Ion Ratio Lower Upper

264 100

260 23.9 19.9 29.9

265 21.8 17.0 25.6

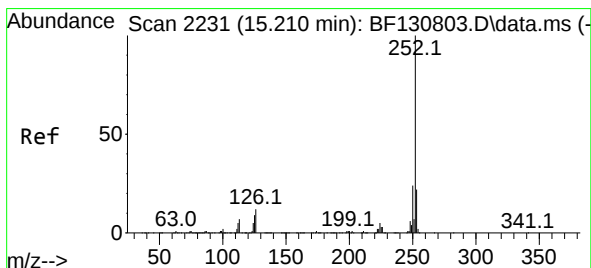
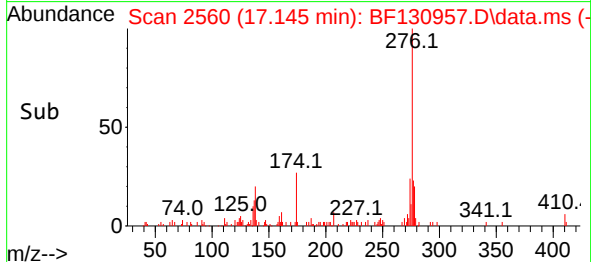
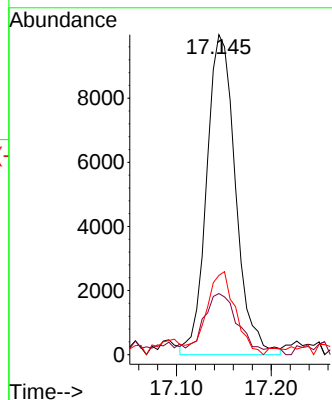
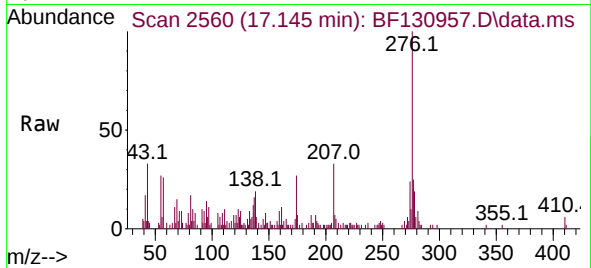




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.551 ng
 RT: 17.145 min Scan# 21181
 Delta R.T. -0.029 min
 Lab File: BF130957.D
 Acq: 03 Nov 2022 11:48

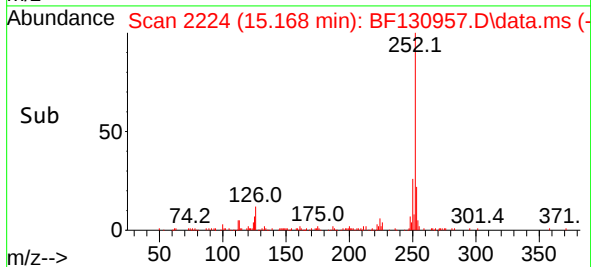
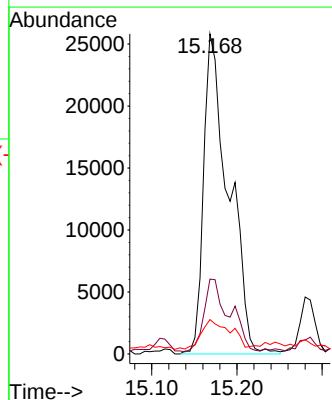
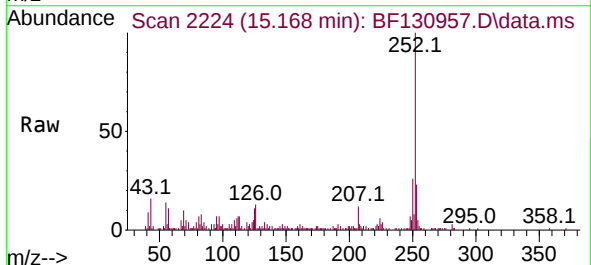
Instrument :
 BNA_F
 ClientSampleId :
 S-9-103122

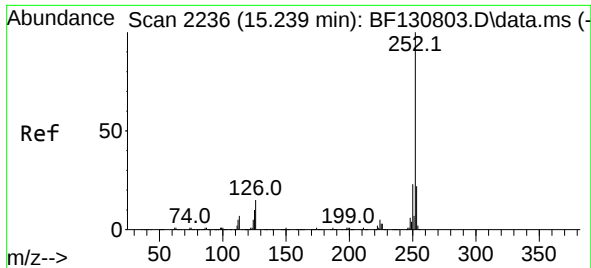
Tgt Ion:276 Resp: 21181
 Ion Ratio Lower Upper
 276 100
 138 23.5 19.1 28.7
 277 25.6 20.1 30.1



#88
 Benzo(b)fluoranthene
 Concen: 6.519 ng
 RT: 15.168 min Scan# 2224
 Delta R.T. -0.012 min
 Lab File: BF130957.D
 Acq: 03 Nov 2022 11:48

Tgt Ion:252 Resp: 52694
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.5 26.3
 125 10.8 7.0 10.4#

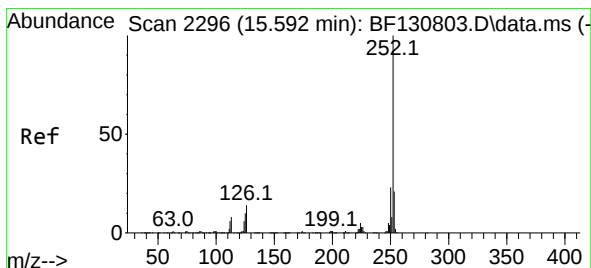
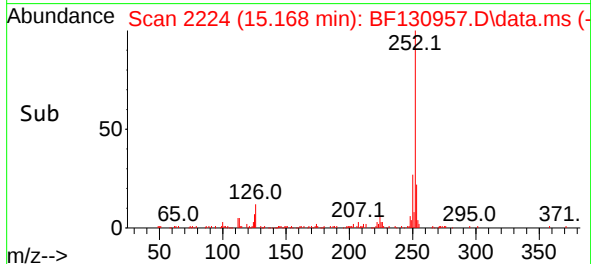
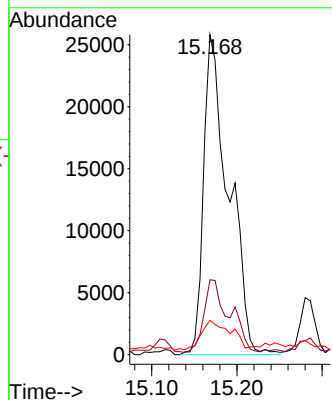
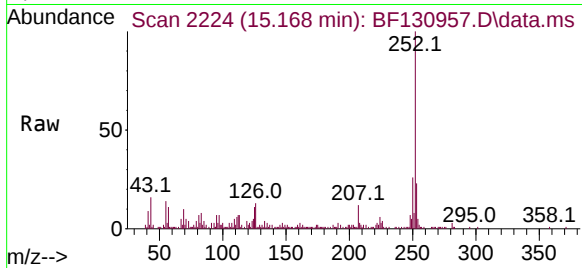




#89
Benzo(k)fluoranthene
Concen: 6.690 ng
RT: 15.168 min Scan# 21
Delta R.T. -0.047 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

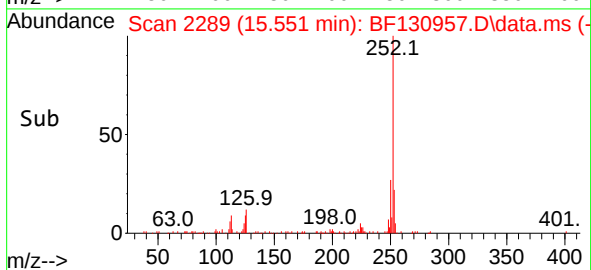
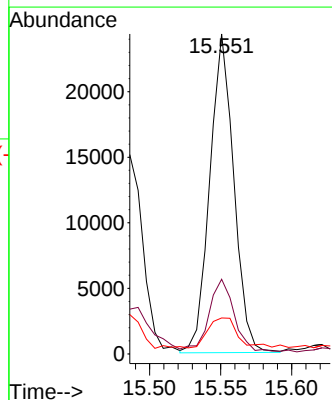
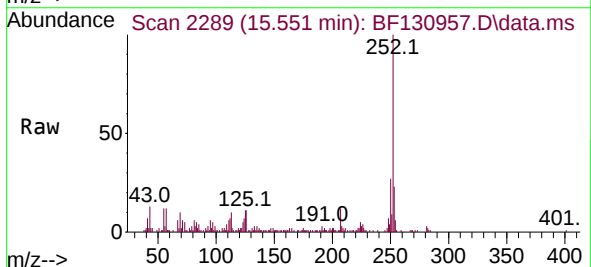
Instrument :
BNA_F
ClientSampleId :
S-9-103122

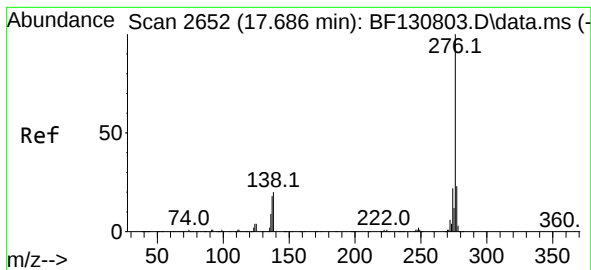
Tgt Ion:252 Resp: 52694
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 10.8 8.0 12.0



#90
Benzo(a)pyrene
Concen: 4.401 ng
RT: 15.551 min Scan# 2289
Delta R.T. -0.018 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

Tgt Ion:252 Resp: 28600
Ion Ratio Lower Upper
252 100
253 23.4 16.8 25.2
125 11.3 8.3 12.5





#92

Benzo(g,h,i)perylene

Concen: 2.814 ng

RT: 17.615 min Scan# 20

Delta R.T. -0.035 min

Lab File: BF130957.D

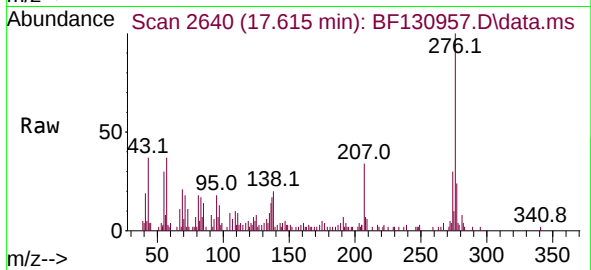
Acq: 03 Nov 2022 11:48

Instrument :

BNA_F

ClientSampleId :

S-9-103122



Tgt Ion:276 Resp: 19433

Ion Ratio Lower Upper

276 100

277 24.3 18.8 28.2

138 20.3 16.3 24.5

