

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110222\
 Data File : BF130938.D
 Acq On : 02 Nov 2022 19:26
 Operator : CG\JU
 Sample : N5395-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-5-103122

Quant Time: Nov 03 03:45:50 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)

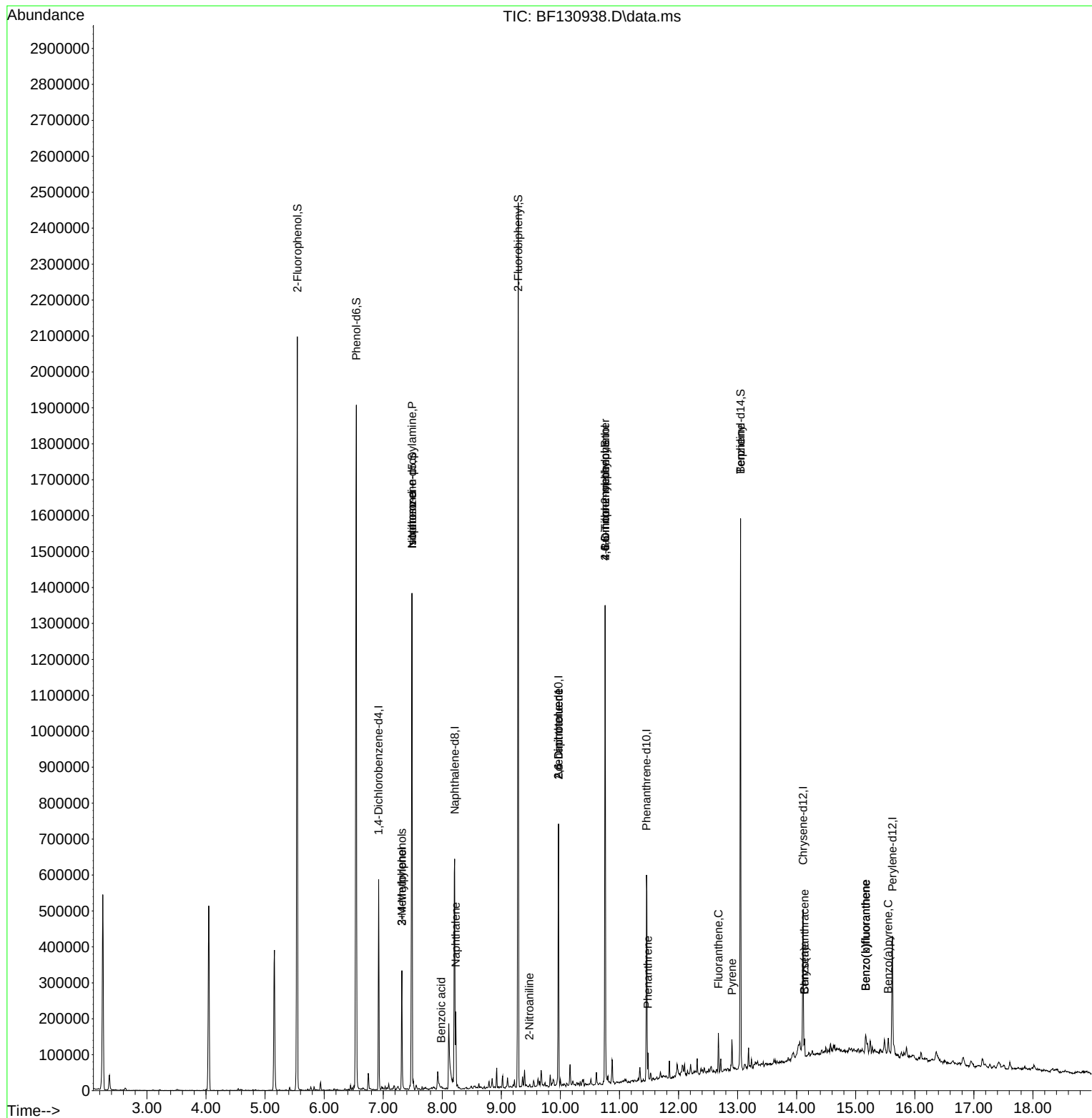
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	70970	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	276303	20.000	ng	# 0.00
39) Acenaphthene-d10	9.969	164	134232	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	203060	20.000	ng	-0.01
76) Chrysene-d12	14.110	240	128776	20.000	ng	-0.01
86) Perylene-d12	15.621	264	148732	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.546	112	502847	122.832	ng	0.00
7) Phenol-d6	6.545	99	621970	116.915	ng	0.00
23) Nitrobenzene-d5	7.487	82	417589	91.132	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	136784	121.052	ng	-0.01
45) 2-Fluorobiphenyl	9.287	172	679365	76.518	ng	0.00
79) Terphenyl-d14	13.051	244	471420	67.082	ng	0.00
Target Compounds						
						Qvalue
17) 2-Methylphenol	7.316	107	72522	18.606	ng	# 70
19) n-Nitroso-di-n-propyla...	7.487	70	60980	16.847	ng	# 78
20) 3+4-Methylphenols	7.316	107	72522	14.310	ng	85
25) Isophorone	7.487	82	417518	44.186	ng	# 66
31) Naphthalene	8.228	128	44239	3.069	ng	98
32) Benzoic acid	7.981	122	1057	7.998	ng	# 14
48) 2-Nitroaniline	9.475	65	65	4.171	ng	# 12
51) 2,6-Dinitrotoluene	9.969	165	18206	12.573	ng	# 14
57) 2,4-Dinitrotoluene	9.969	165	18206	11.336	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.757	198	306	8.229	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	8831	4.324	ng	# 1
71) Phenanthrene	11.480	178	23541	2.246	ng	95
75) Fluoranthene	12.675	202	37308	3.350	ng	99
77) Benzidine	13.051	184	8126	2.599	ng	# 91
78) Pyrene	12.904	202	33144	3.051	ng	99
81) Benzo(a)anthracene	14.133	228	18708	2.191	ng	93
83) Chrysene	14.133	228	18708	2.272	ng	97
88) Benzo(b)fluoranthene	15.168	252	34971	3.637	ng	# 88
89) Benzo(k)fluoranthene	15.168	252	34971	3.733	ng	# 89
90) Benzo(a)pyrene	15.551	252	20523	2.655	ng	# 93

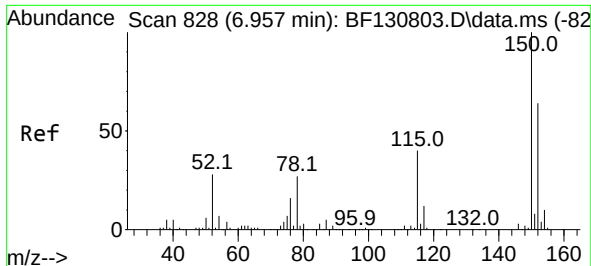
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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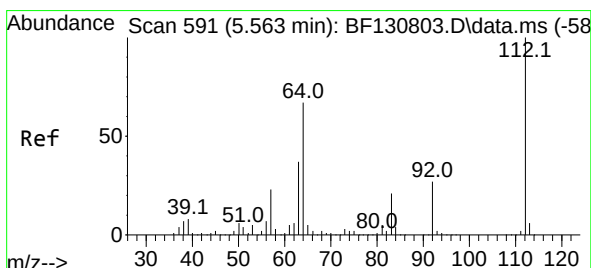
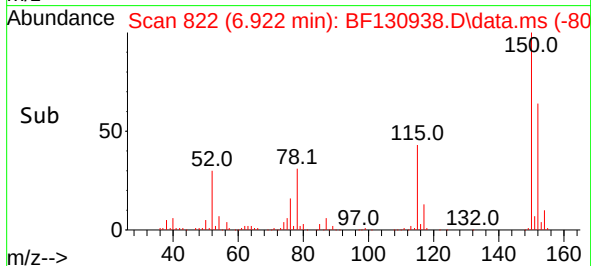
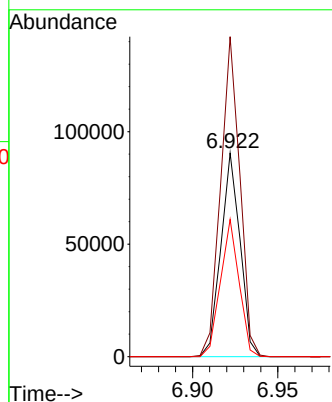
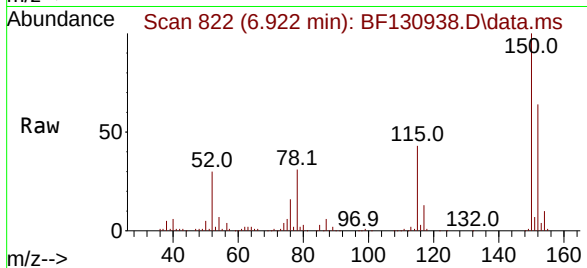




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130938.D
Acq: 02 Nov 2022 19:26

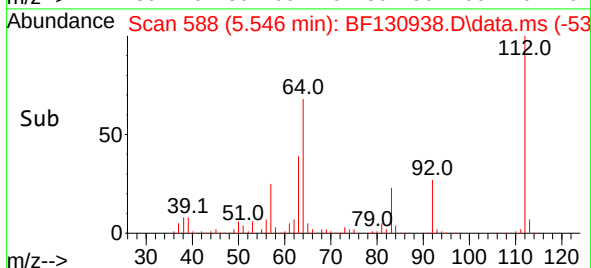
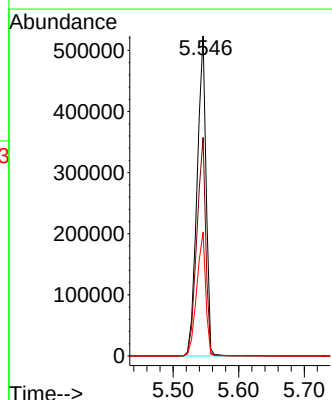
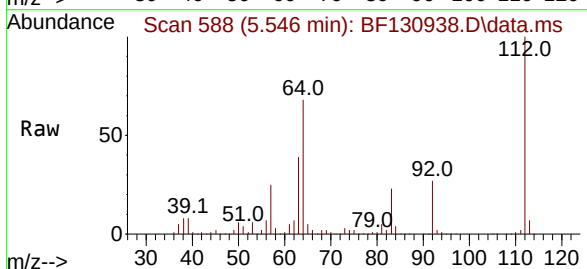
Instrument :
BNA_F
ClientSampleId :
S-5-103122

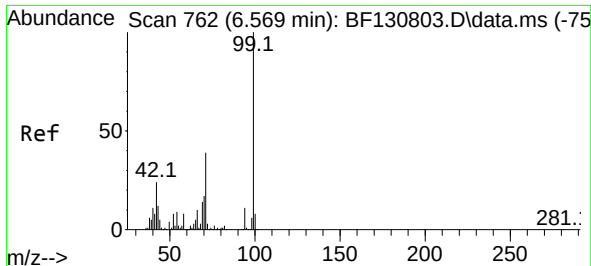
Tgt Ion:152 Resp: 70970
Ion Ratio Lower Upper
152 100
150 157.1 124.1 186.1
115 67.4 50.1 75.1



#5
2-Fluorophenol
Concen: 122.832 ng
RT: 5.546 min Scan# 588
Delta R.T. 0.006 min
Lab File: BF130938.D
Acq: 02 Nov 2022 19:26

Tgt Ion:112 Resp: 502847
Ion Ratio Lower Upper
112 100
64 68.3 53.9 80.9
63 38.6 29.4 44.2

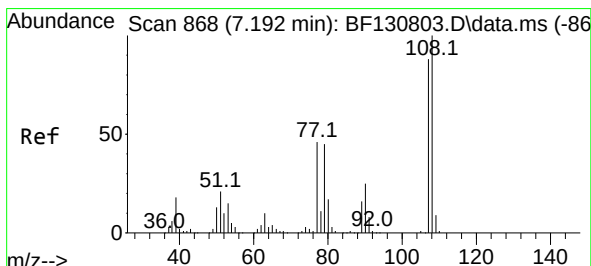
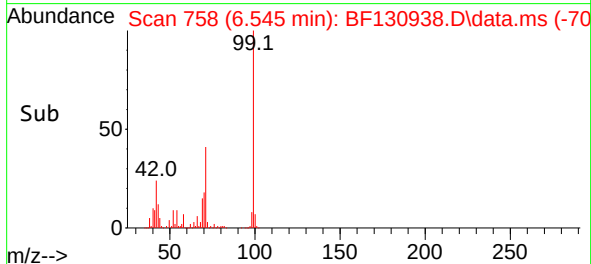
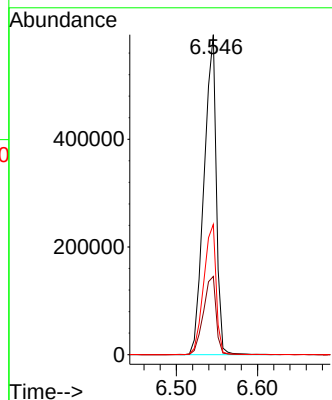
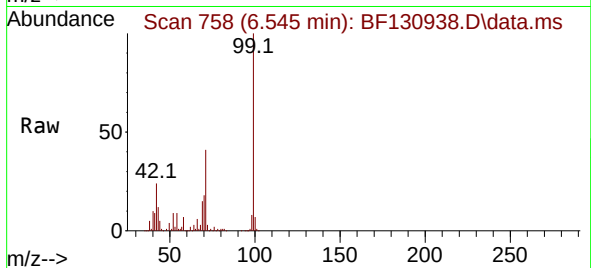




#7
Phenol-d6
Concen: 116.915 ng
RT: 6.545 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF130938.D
Acq: 02 Nov 2022 19:26

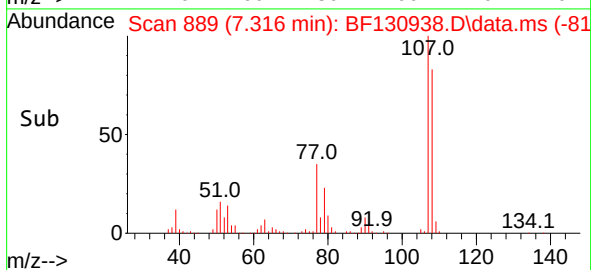
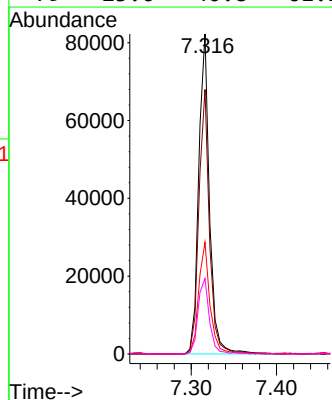
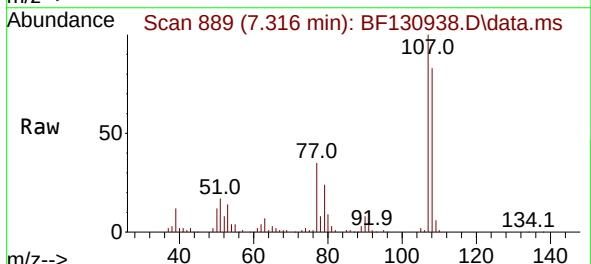
Instrument :
BNA_F
ClientSampleId :
S-5-103122

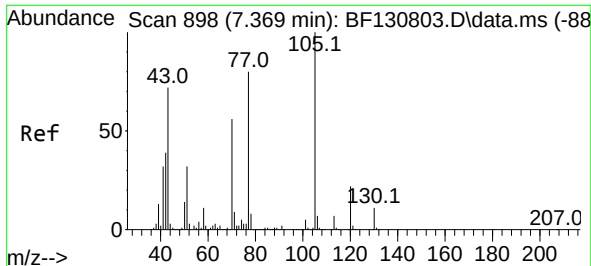
Tgt Ion: 99 Resp: 621970
Ion Ratio Lower Upper
99 100
42 24.5 18.8 28.2
71 40.7 31.4 47.0



#17
2-Methylphenol
Concen: 18.606 ng
RT: 7.316 min Scan# 889
Delta R.T. 0.141 min
Lab File: BF130938.D
Acq: 02 Nov 2022 19:26

Tgt Ion: 107 Resp: 72522
Ion Ratio Lower Upper
107 100
108 82.7 90.5 135.7#
77 34.9 41.2 61.8#
79 23.6 40.8 61.2#





#19

n-Nitroso-di-n-propylamine

Concen: 16.847 ng

RT: 7.487 min Scan# 918

Delta R.T. 0.147 min

Lab File: BF130938.D

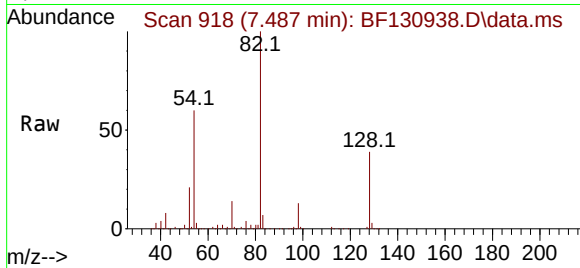
Acq: 02 Nov 2022 19:26

Instrument :

BNA_F

ClientSampleId :

S-5-103122



Tgt Ion: 70 Resp: 60980

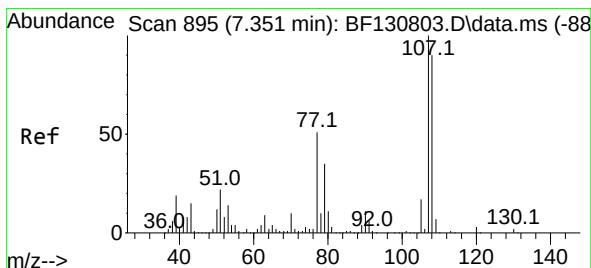
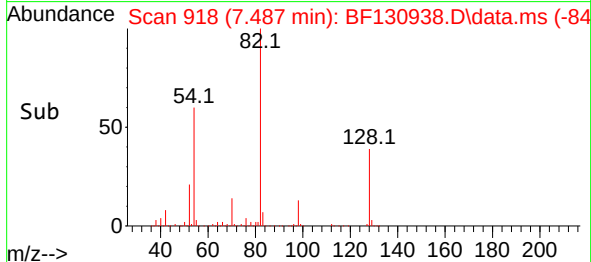
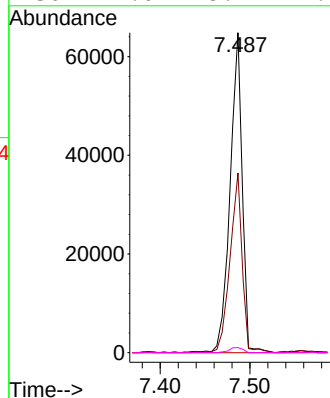
Ion Ratio Lower Upper

70 100

42 56.1 56.1 84.1

101 0.0 7.3 10.9#

130 1.6 15.2 22.8#



#20

3+4-Methylphenols

Concen: 14.310 ng

RT: 7.316 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF130938.D

Acq: 02 Nov 2022 19:26

Tgt Ion: 107 Resp: 72522

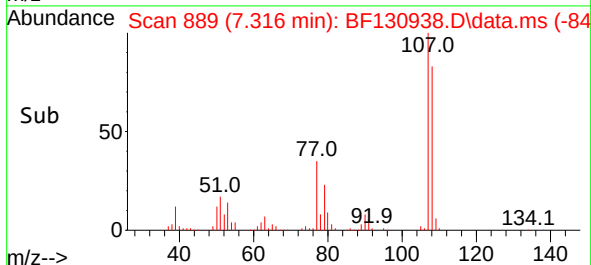
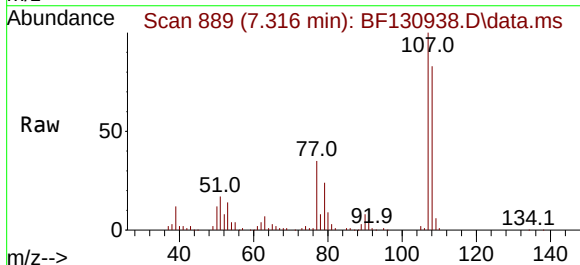
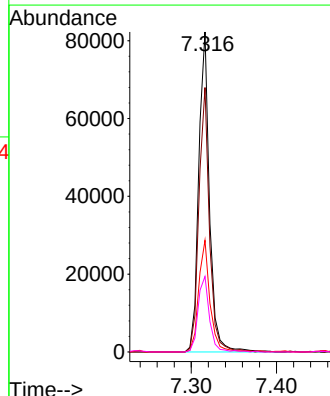
Ion Ratio Lower Upper

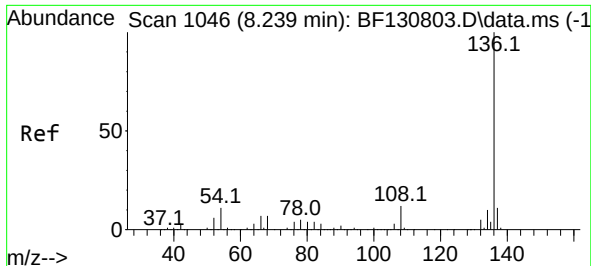
107 100

108 82.7 70.4 110.4

77 34.9 31.1 71.1

79 23.6 14.5 54.5



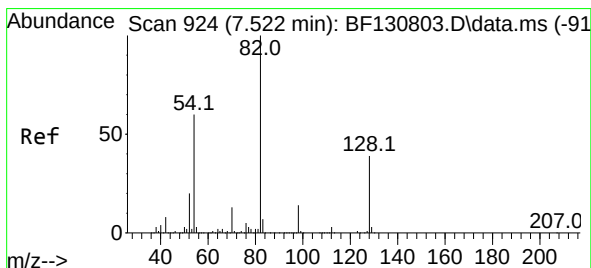
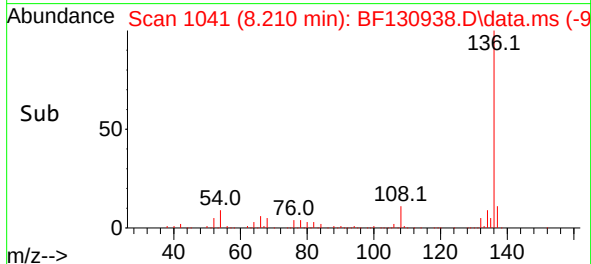
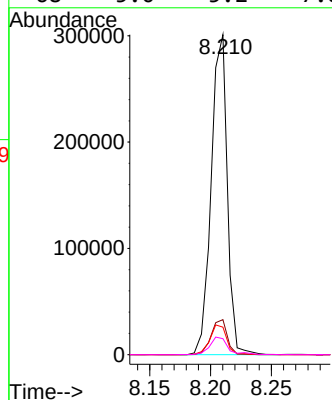
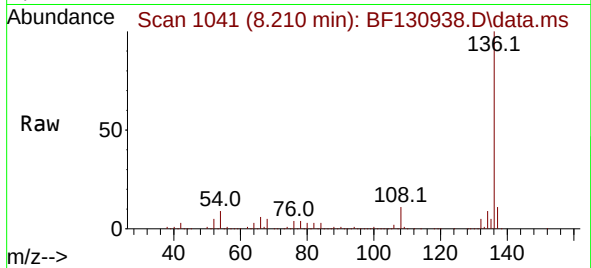


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF130938.D
Acq: 02 Nov 2022 19:26

Instrument :
BNA_F
ClientSampleId :
S-5-103122

Tgt Ion:136 Resp: 276303

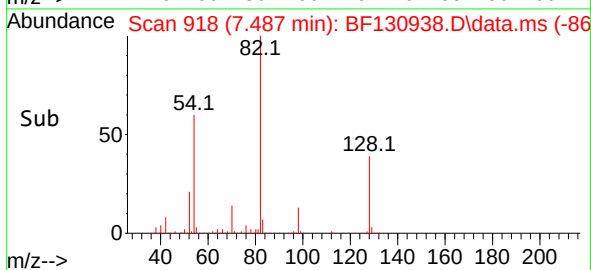
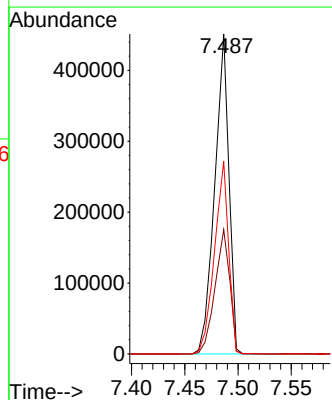
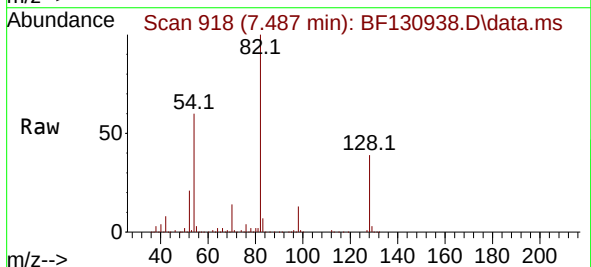
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	8.6	8.8	13.2#
68	5.0	5.2	7.8#

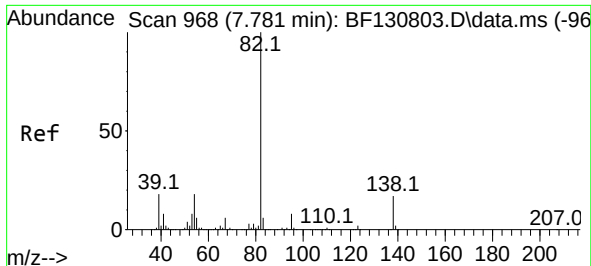


#23
Nitrobenzene-d5
Concen: 91.132 ng
RT: 7.487 min Scan# 918
Delta R.T. -0.006 min
Lab File: BF130938.D
Acq: 02 Nov 2022 19:26

Tgt Ion: 82 Resp: 417589

Ion	Ratio	Lower	Upper
82	100		
128	38.8	31.2	46.8
54	60.2	48.0	72.0

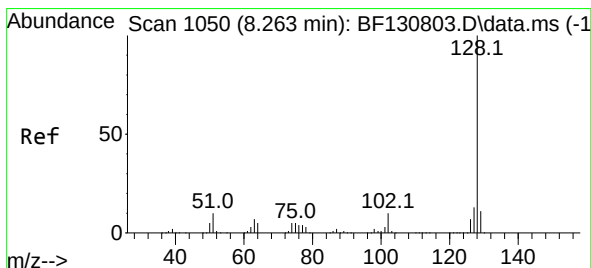
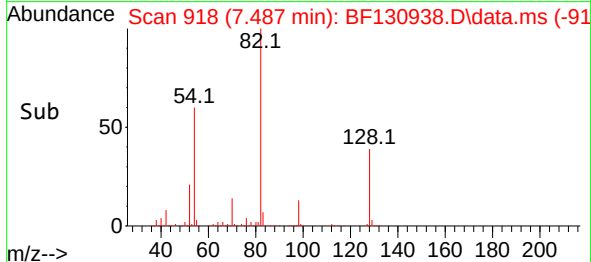
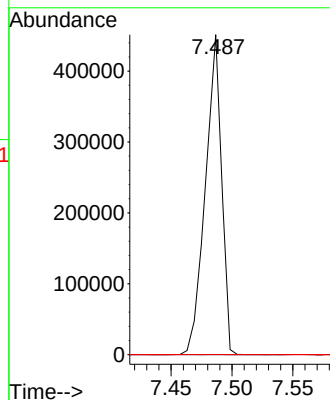
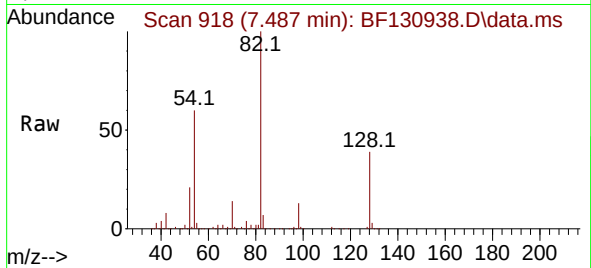




#25
Isophorone
Concen: 44.186 ng
RT: 7.487 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF130938.D
Acq: 02 Nov 2022 19:26

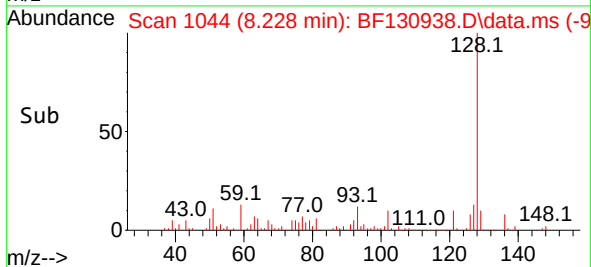
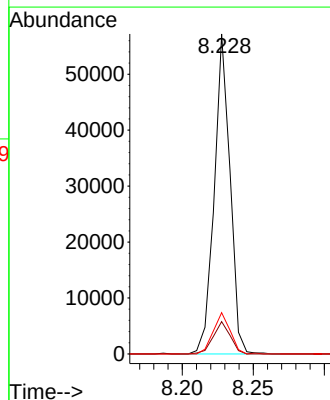
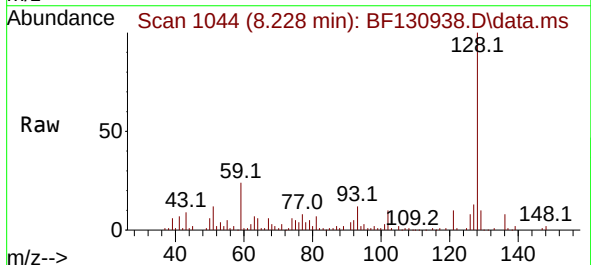
Instrument :
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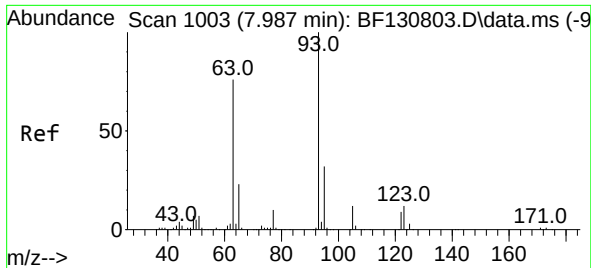
Tgt Ion: 82 Resp: 417518
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#



#31
Naphthalene
Concen: 3.069 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF130938.D
Acq: 02 Nov 2022 19:26

Tgt Ion: 128 Resp: 44239
Ion Ratio Lower Upper
128 100
129 10.1 9.0 13.6
127 12.9 10.6 16.0

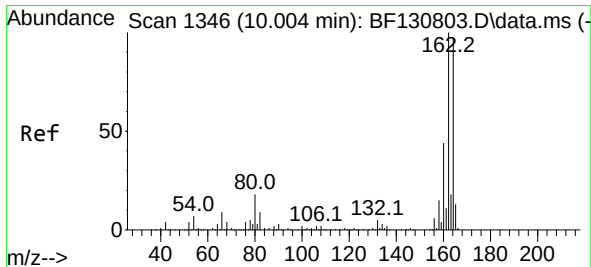
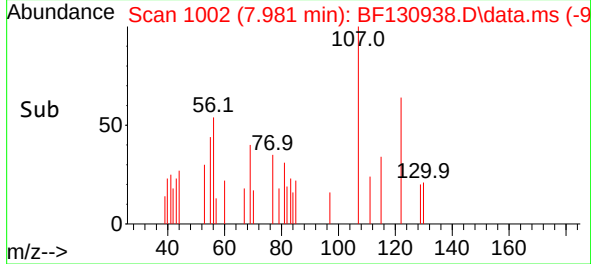
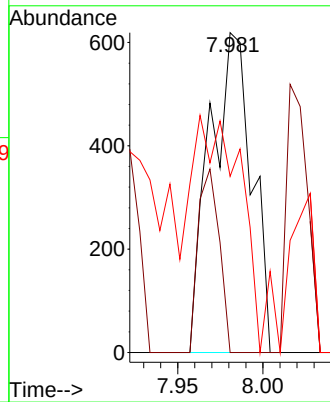
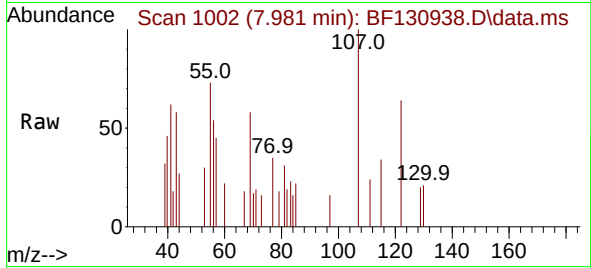




#32
Benzoic acid
Concen: 7.998 ng
RT: 7.981 min Scan# 1003
Delta R.T. 0.012 min
Lab File: BF130938.D
Acq: 02 Nov 2022 19:26

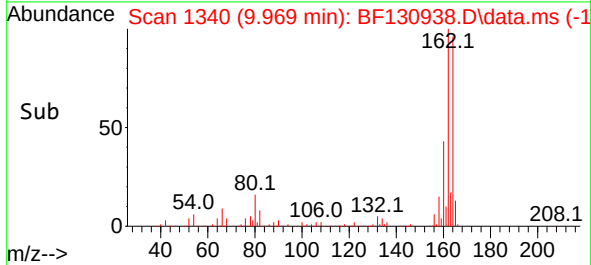
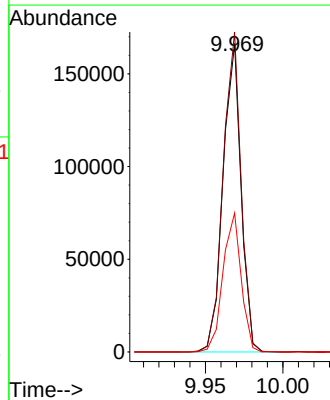
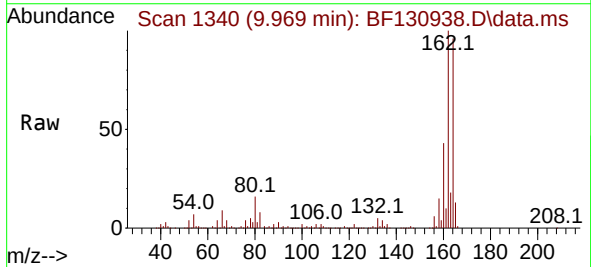
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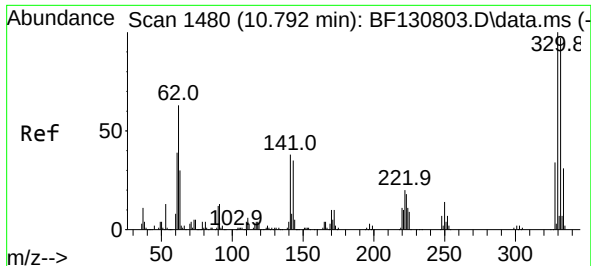
Tgt Ion:122 Resp: 1057
Ion Ratio Lower Upper
122 100
105 0.0 114.5 154.5#
77 55.1 89.8 129.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1340
Delta R.T. -0.006 min
Lab File: BF130938.D
Acq: 02 Nov 2022 19:26

Tgt Ion:164 Resp: 134232
Ion Ratio Lower Upper
164 100
162 103.8 82.2 123.2
160 45.0 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 121.052 ng

RT: 10.757 min Scan# 1480

Delta R.T. -0.012 min

Lab File: BF130938.D

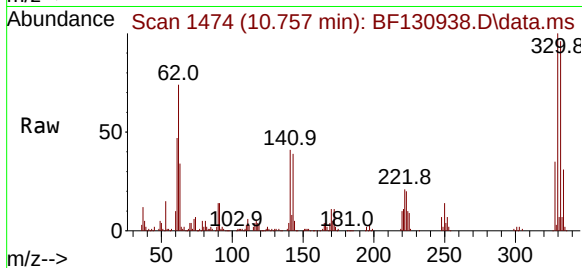
Acq: 02 Nov 2022 19:26

Instrument :

BNA_F

ClientSampleId :

S-5-103122



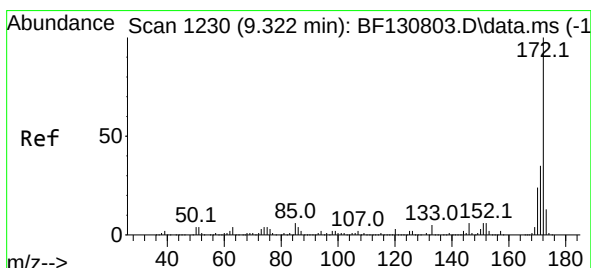
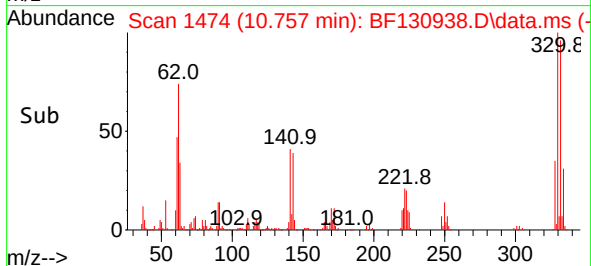
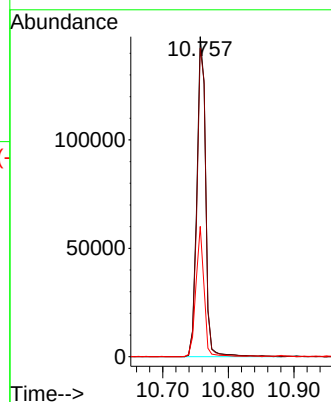
Tgt Ion:330 Resp: 136784

Ion Ratio Lower Upper

330 100

332 97.4 76.2 114.4

141 38.0 31.4 47.0



#45

2-Fluorobiphenyl

Concen: 76.518 ng

RT: 9.287 min Scan# 1224

Delta R.T. -0.006 min

Lab File: BF130938.D

Acq: 02 Nov 2022 19:26

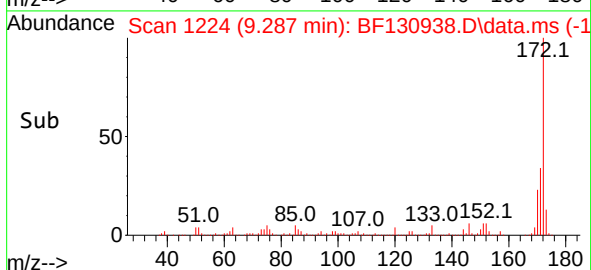
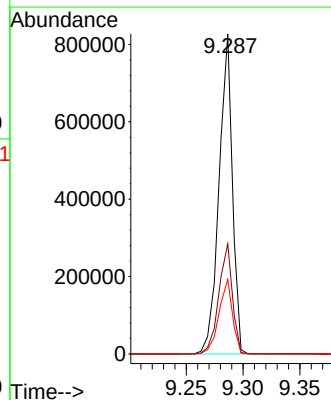
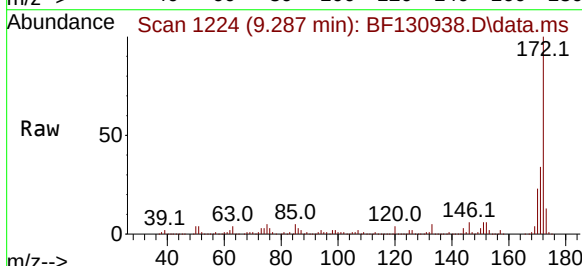
Tgt Ion:172 Resp: 679365

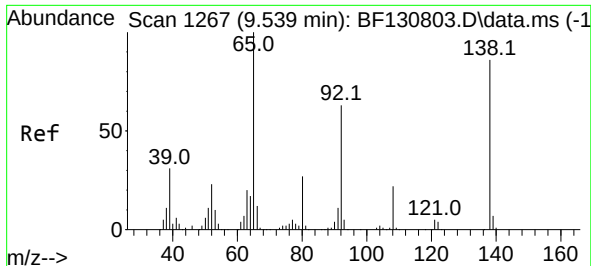
Ion Ratio Lower Upper

172 100

171 34.4 28.1 42.1

170 23.3 19.0 28.4





#48

2-Nitroaniline

Concen: 4.171 ng

RT: 9.475 min Scan# 11

Delta R.T. -0.041 min

Lab File: BF130938.D

Acq: 02 Nov 2022 19:26

Instrument :

BNA_F

ClientSampleId :

S-5-103122

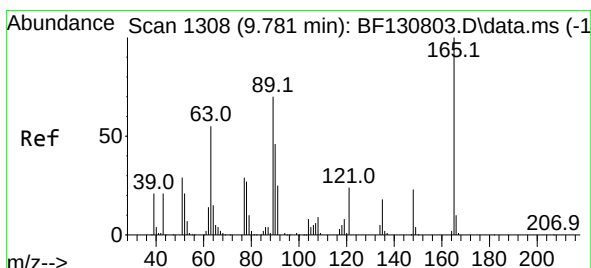
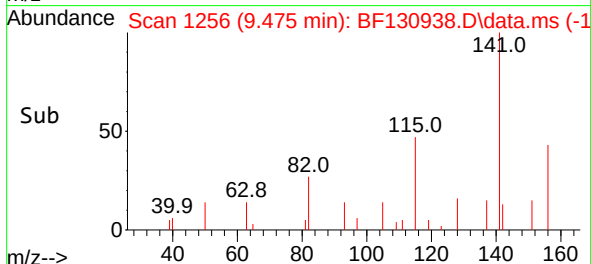
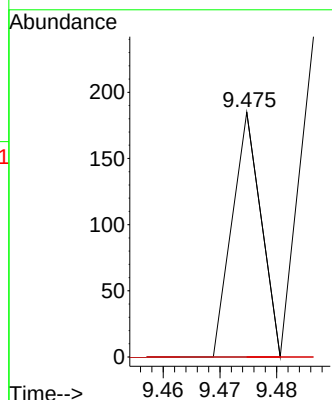
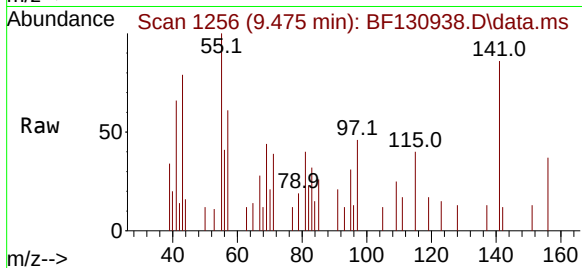
Tgt Ion: 65 Resp: 65

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: 12.573 ng

RT: 9.969 min Scan# 1340

Delta R.T. 0.212 min

Lab File: BF130938.D

Acq: 02 Nov 2022 19:26

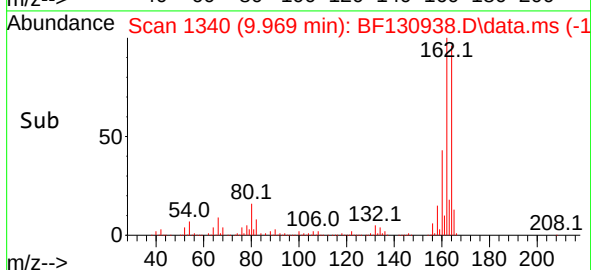
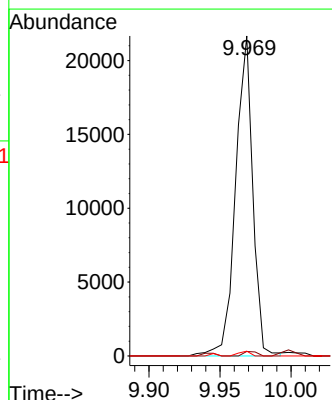
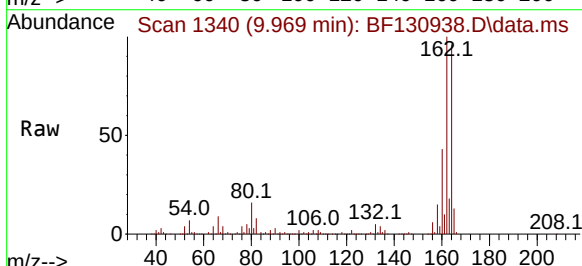
Tgt Ion: 165 Resp: 18206

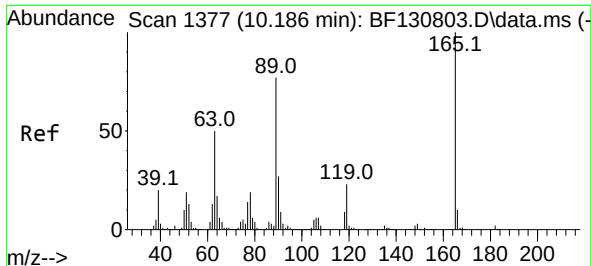
Ion Ratio Lower Upper

165 100

63 1.4 61.8 92.8#

89 1.5 56.2 84.4#

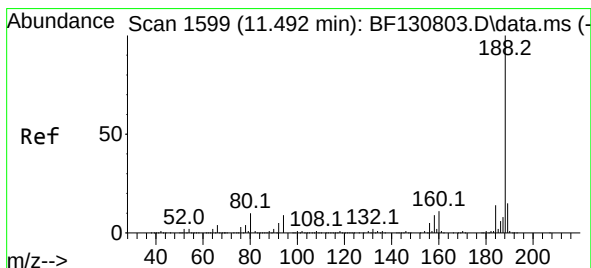
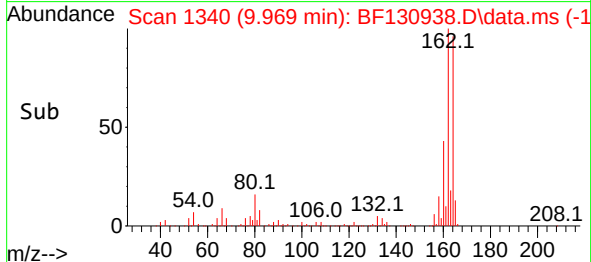
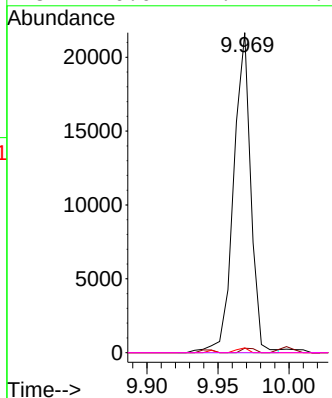
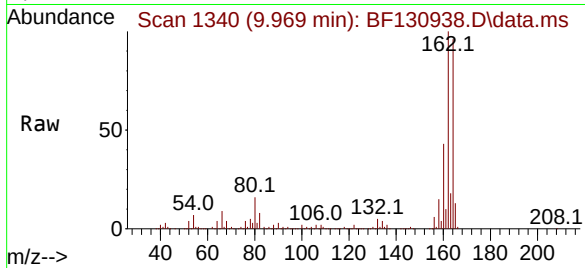




#57
2,4-Dinitrotoluene
Concen: 11.336 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF130938.D
Acq: 02 Nov 2022 19:26

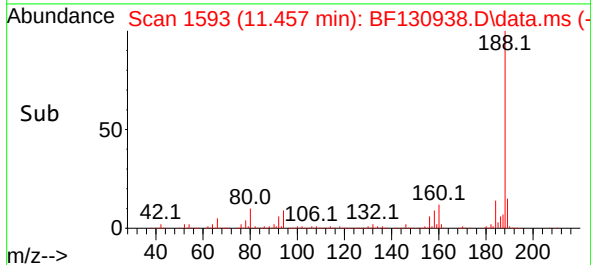
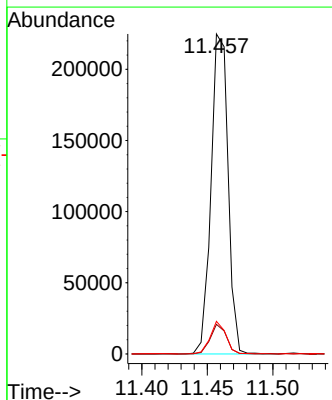
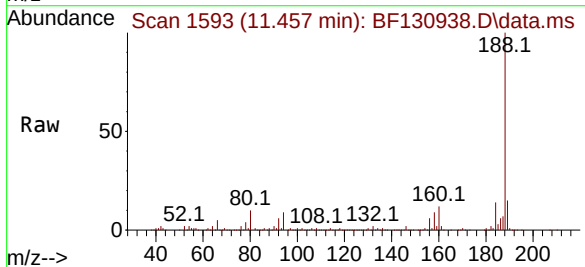
Instrument :
BNA_F
ClientSampleId :
S-5-103122

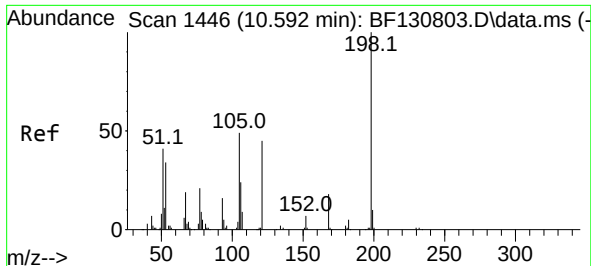
Tgt Ion:165 Resp: 18206
Ion Ratio Lower Upper
165 100
63 1.4 39.8 59.6#
89 1.5 61.9 92.9#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1593
Delta R.T. -0.012 min
Lab File: BF130938.D
Acq: 02 Nov 2022 19:26

Tgt Ion:188 Resp: 203060
Ion Ratio Lower Upper
188 100
94 9.2 7.4 11.2
80 10.2 8.0 12.0





#65

4,6-Dinitro-2-methylphenol

Concen: 8.229 ng

RT: 10.757 min Scan# 1446

Delta R.T. 0.188 min

Lab File: BF130938.D

Acq: 02 Nov 2022 19:26

Instrument :

BNA_F

ClientSampleId :

S-5-103122

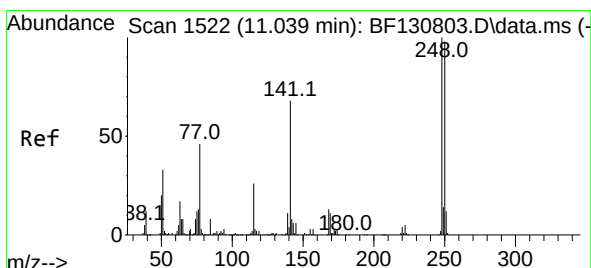
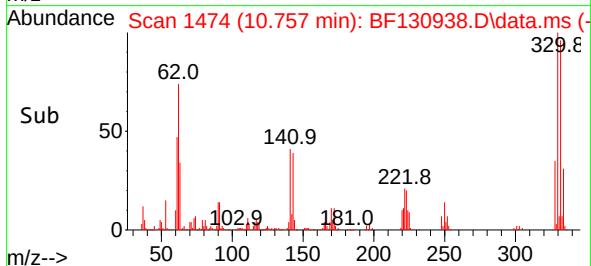
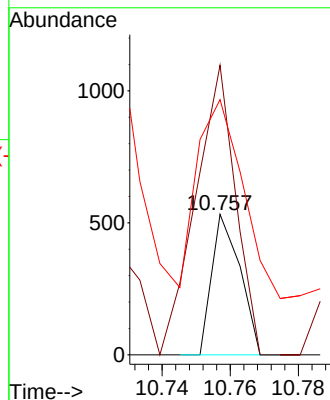
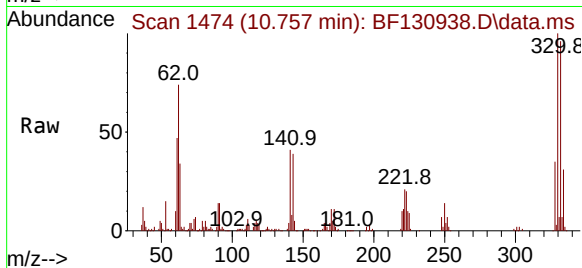
Tgt Ion:198 Resp: 306

Ion Ratio Lower Upper

198 100

51 206.2 39.0 79.0#

105 181.8 30.6 70.6#



#67

4-Bromophenyl-phenylether

Concen: 4.324 ng

RT: 10.757 min Scan# 1474

Delta R.T. -0.253 min

Lab File: BF130938.D

Acq: 02 Nov 2022 19:26

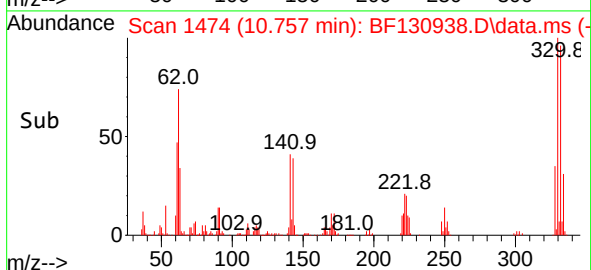
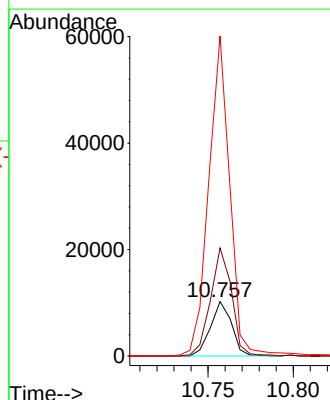
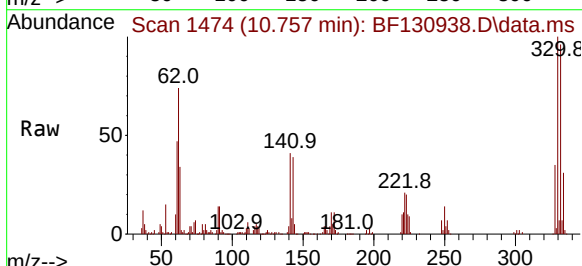
Tgt Ion:248 Resp: 8831

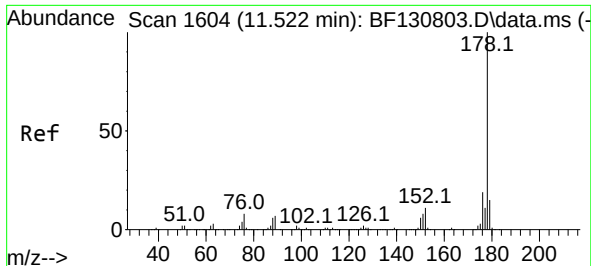
Ion Ratio Lower Upper

248 100

250 198.8 78.6 117.8#

141 588.7 54.2 81.4#

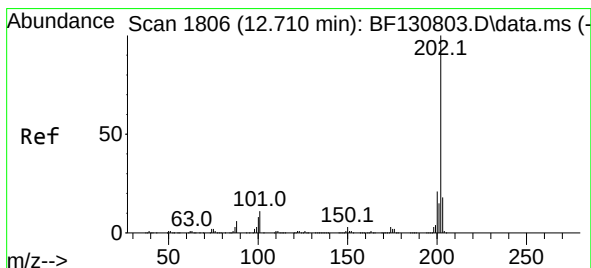
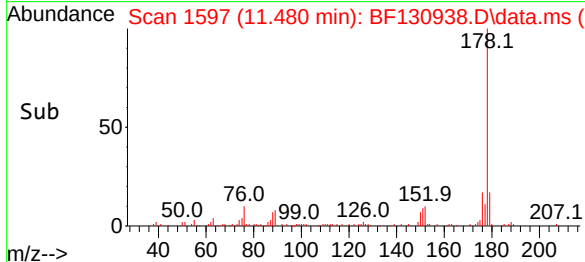
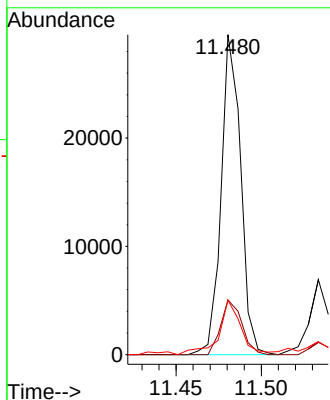
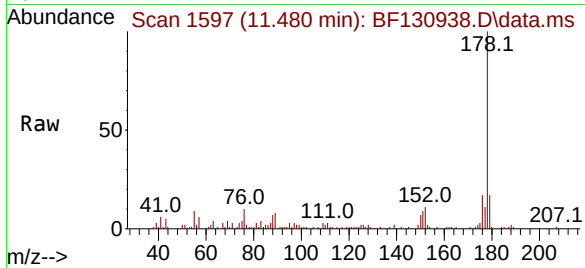




#71
Phenanthrene
Concen: 2.246 ng
RT: 11.480 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130938.D
Acq: 02 Nov 2022 19:26

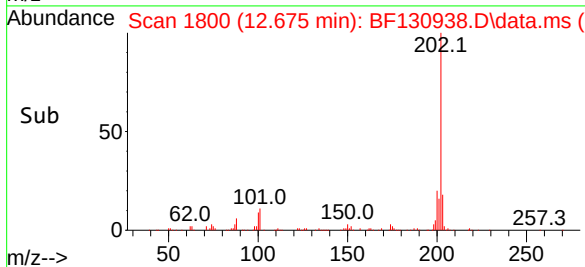
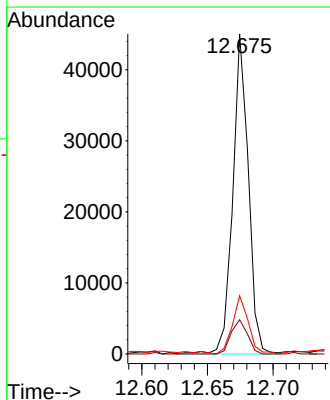
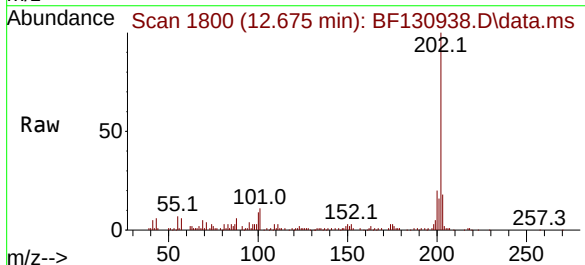
Instrument :
BNA_F
ClientSampleId :
S-5-103122

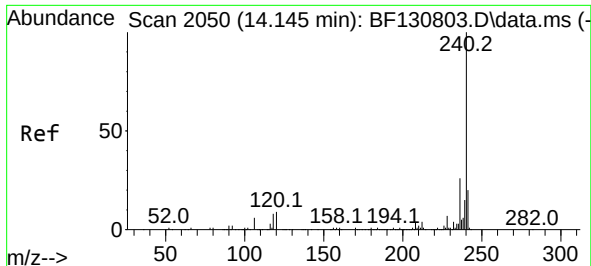
Tgt Ion:178 Resp: 23541
Ion Ratio Lower Upper
178 100
176 17.1 15.5 23.3
179 17.1 12.2 18.2



#75
Fluoranthene
Concen: 3.350 ng
RT: 12.675 min Scan# 1800
Delta R.T. -0.012 min
Lab File: BF130938.D
Acq: 02 Nov 2022 19:26

Tgt Ion:202 Resp: 37308
Ion Ratio Lower Upper
202 100
101 10.7 0.0 30.9
203 18.2 0.0 37.7

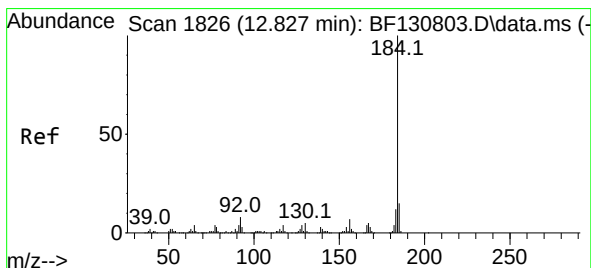
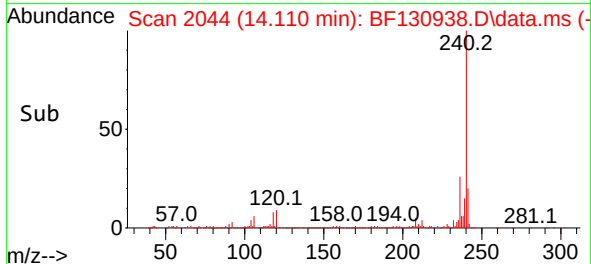
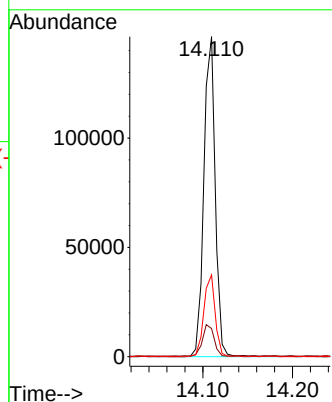
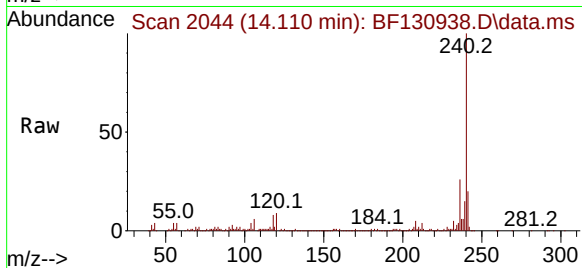




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.110 min Scan# 2044
Delta R.T. -0.012 min
Lab File: BF130938.D
Acq: 02 Nov 2022 19:26

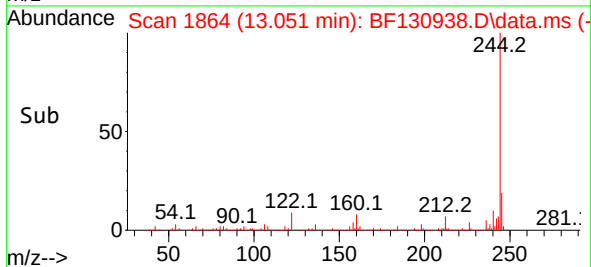
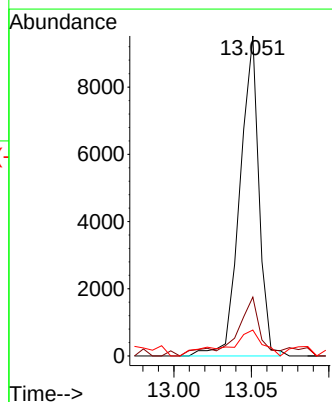
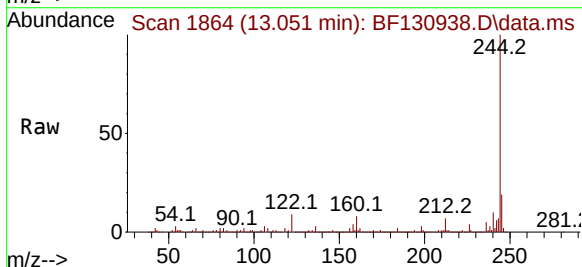
Instrument :
BNA_F
ClientSampleId :
S-5-103122

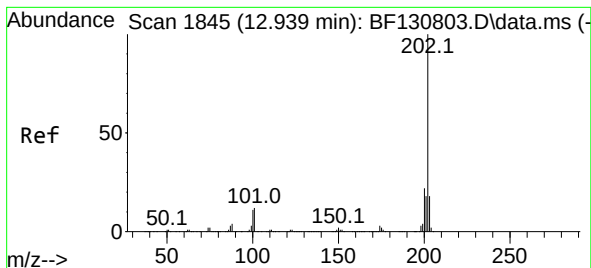
Tgt Ion:240 Resp: 128776
Ion Ratio Lower Upper
240 100
120 8.8 7.0 10.4
236 25.5 20.5 30.7



#77
Benzidine
Concen: 2.599 ng
RT: 13.051 min Scan# 1864
Delta R.T. 0.247 min
Lab File: BF130938.D
Acq: 02 Nov 2022 19:26

Tgt Ion:184 Resp: 8126
Ion Ratio Lower Upper
184 100
185 18.4 11.8 17.8#
183 8.1 9.7 14.5#





#78

Pyrene

Concen: 3.051 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF130938.D

Acq: 02 Nov 2022 19:26

Instrument :

BNA_F

ClientSampleId :

S-5-103122

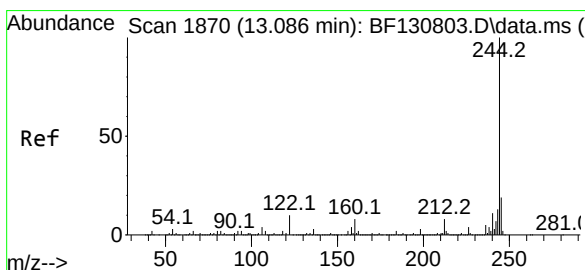
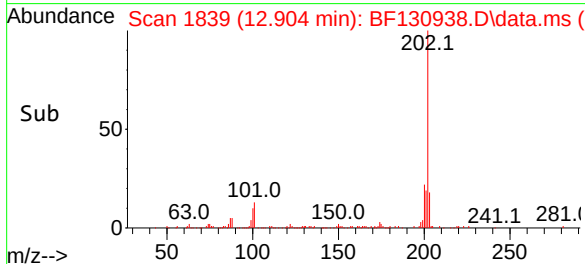
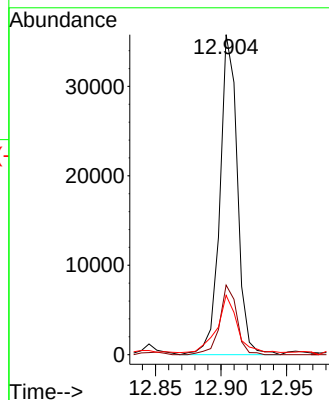
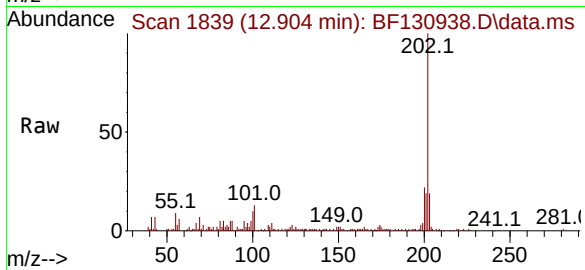
Tgt Ion:202 Resp: 33144

Ion Ratio Lower Upper

202 100

200 21.8 17.2 25.8

203 18.6 14.5 21.7



#79

Terphenyl-d14

Concen: 67.082 ng

RT: 13.051 min Scan# 1864

Delta R.T. -0.006 min

Lab File: BF130938.D

Acq: 02 Nov 2022 19:26

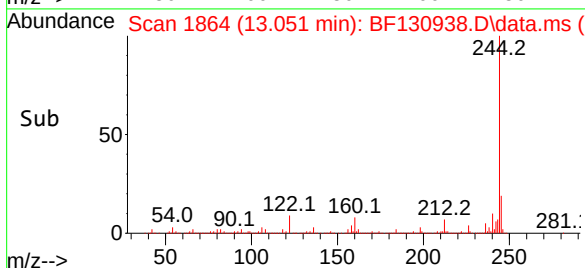
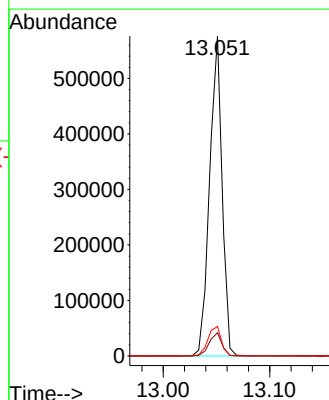
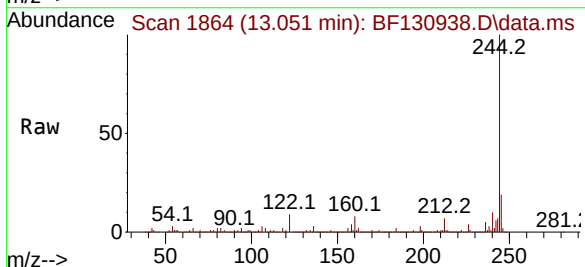
Tgt Ion:244 Resp: 471420

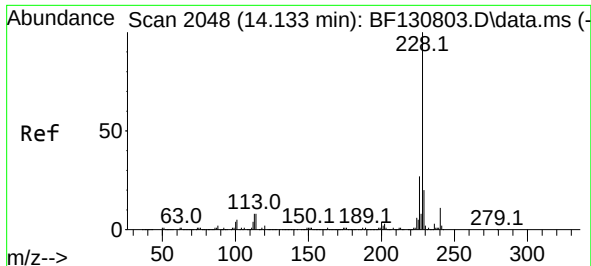
Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

122 9.2 7.9 11.9

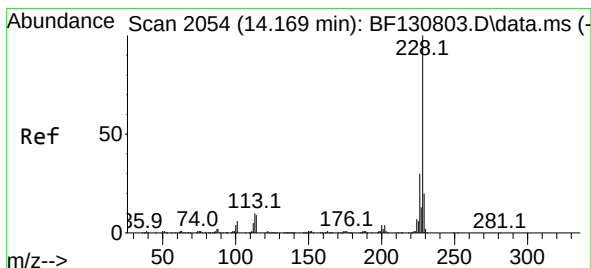
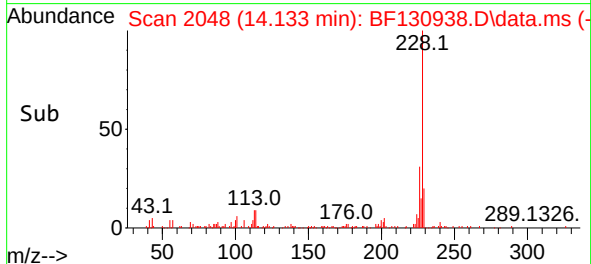
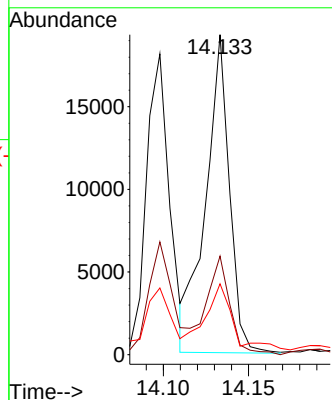
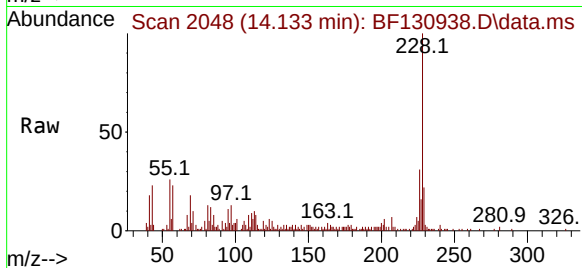




#81
Benzo(a)anthracene
Concen: 2.191 ng
RT: 14.133 min Scan# 2048
Delta R.T. 0.024 min
Lab File: BF130938.D
Acq: 02 Nov 2022 19:26

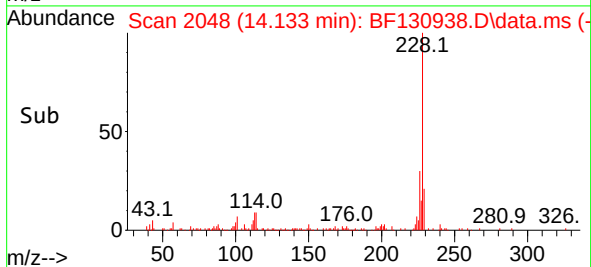
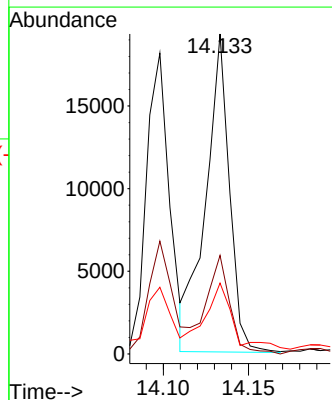
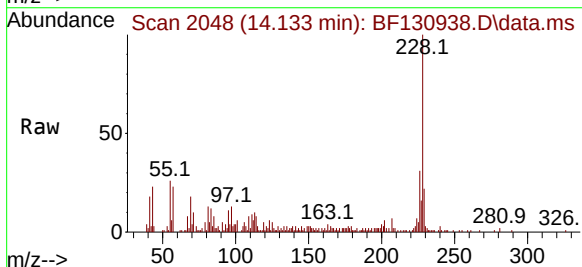
Instrument :
BNA_F
ClientSampleId :
S-5-103122

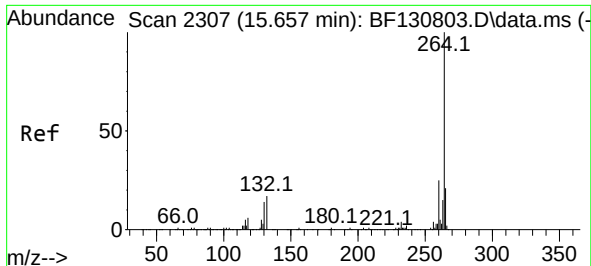
Tgt Ion:	228	Resp:	18708
Ion Ratio	Lower	Upper	
228	100		
226	30.8	21.4	32.2
229	22.2	15.8	23.6



#83
Chrysene
Concen: 2.272 ng
RT: 14.133 min Scan# 2048
Delta R.T. -0.012 min
Lab File: BF130938.D
Acq: 02 Nov 2022 19:26

Tgt Ion:	228	Resp:	18708
Ion Ratio	Lower	Upper	
228	100		
226	30.8	23.9	35.9
229	22.2	15.8	23.6

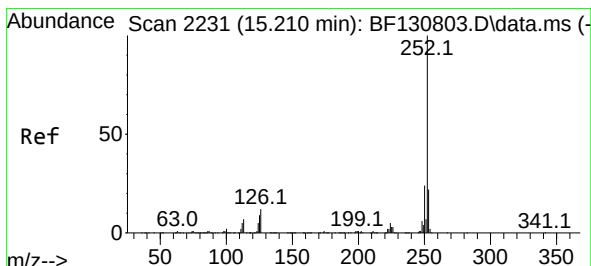
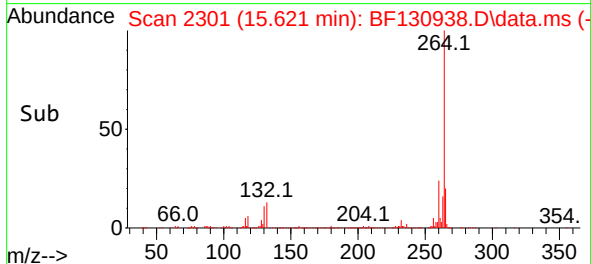
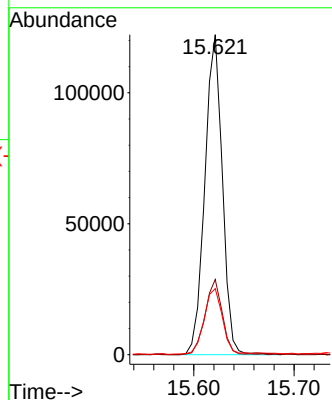
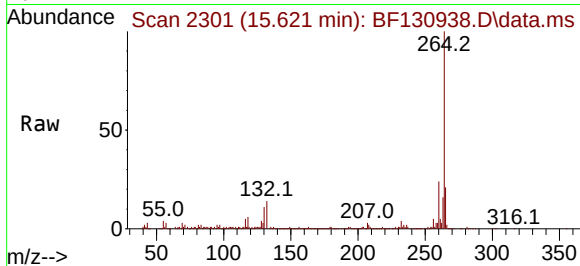




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF130938.D
Acq: 02 Nov 2022 19:26

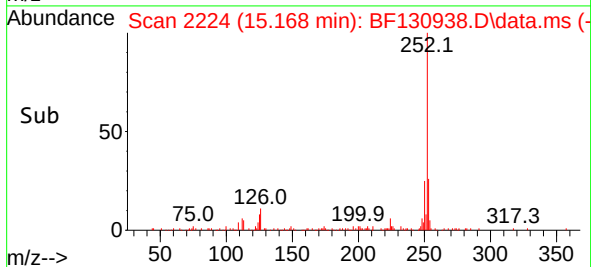
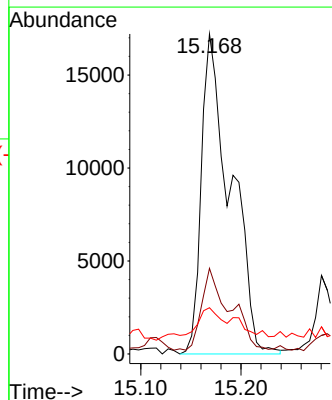
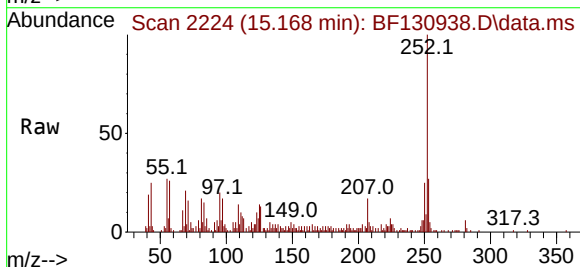
Instrument :
BNA_F
ClientSampleId :
S-5-103122

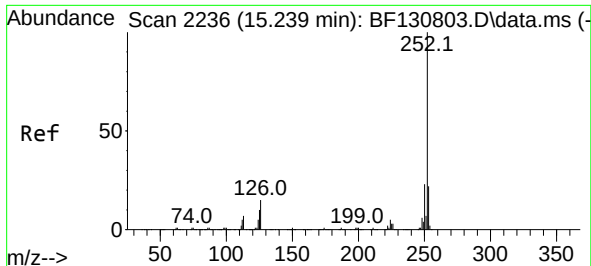
Tgt Ion:264 Resp: 148732
Ion Ratio Lower Upper
264 100
260 23.5 19.9 29.9
265 20.7 17.0 25.6



#88
Benzo(b)fluoranthene
Concen: 3.637 ng
RT: 15.168 min Scan# 2224
Delta R.T. -0.012 min
Lab File: BF130938.D
Acq: 02 Nov 2022 19:26

Tgt Ion:252 Resp: 34971
Ion Ratio Lower Upper
252 100
253 26.8 17.5 26.3#
125 14.4 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 3.733 ng

RT: 15.168 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF130938.D

Acq: 02 Nov 2022 19:26

Instrument :

BNA_F

ClientSampleId :

S-5-103122

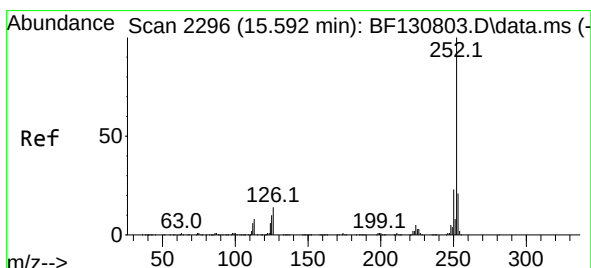
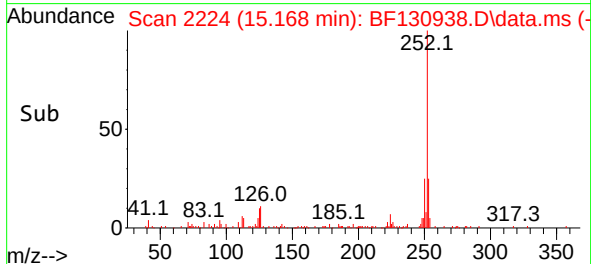
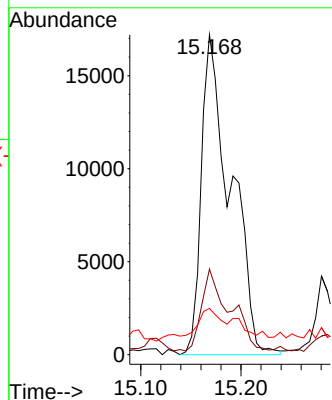
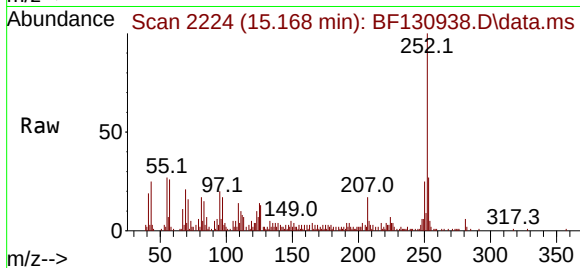
Tgt Ion:252 Resp: 34971

Ion Ratio Lower Upper

252 100

253 26.8 17.5 26.3#

125 14.4 8.0 12.0#



#90

Benzo(a)pyrene

Concen: 2.655 ng

RT: 15.551 min Scan# 2289

Delta R.T. -0.018 min

Lab File: BF130938.D

Acq: 02 Nov 2022 19:26

Tgt Ion:252 Resp: 20523

Ion Ratio Lower Upper

252 100

253 23.6 16.8 25.2

125 14.1 8.3 12.5#

