

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110222\
 Data File : BF130937.D
 Acq On : 02 Nov 2022 18:51
 Operator : CG\JU
 Sample : N5395-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-10-103122

Quant Time: Nov 03 03:45:23 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)

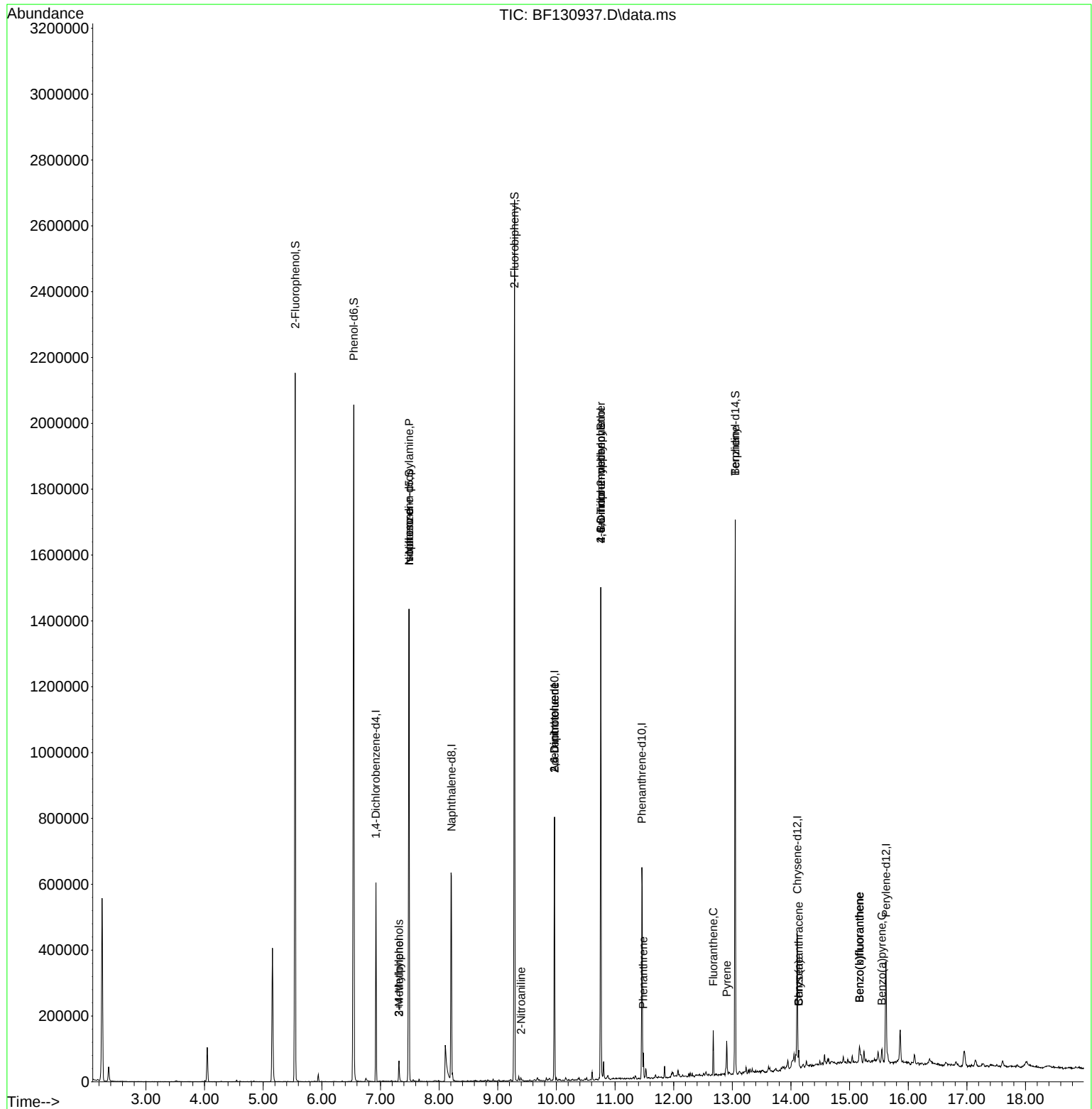
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	73398	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	279936	20.000	ng	# 0.00
39) Acenaphthene-d10	9.969	164	142953	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	224490	20.000	ng	-0.01
76) Chrysene-d12	14.110	240	129356	20.000	ng	-0.01
86) Perylene-d12	15.621	264	143516	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.546	112	526485	124.352	ng	0.00
7) Phenol-d6	6.545	99	664127	120.710	ng	0.00
23) Nitrobenzene-d5	7.487	82	451287	97.208	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	153304	127.395	ng	-0.01
45) 2-Fluorobiphenyl	9.286	172	736617	77.905	ng	0.00
79) Terphenyl-d14	13.051	244	520447	73.726	ng	0.00
Target Compounds						
						Qvalue
17) 2-Methylphenol	7.316	107	16000	3.969	ng	# 66
19) n-Nitroso-di-n-propyla...	7.487	70	64491	17.228	ng	# 78
20) 3+4-Methylphenols	7.316	107	16000	3.053	ng	81
25) Isophorone	7.487	82	451189	47.129	ng	# 66
48) 2-Nitroaniline	9.398	65	139	4.195	ng	# 12
51) 2,6-Dinitrotoluene	9.969	165	19093	12.424	ng	# 15
57) 2,4-Dinitrotoluene	9.969	165	19093	11.219	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.757	198	482	8.357	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	9523	4.218	ng	# 1
71) Phenanthrene	11.480	178	23954	2.067	ng	98
75) Fluoranthene	12.674	202	44726	3.633	ng	97
77) Benzidine	13.051	184	8426	2.683	ng	# 92
78) Pyrene	12.904	202	38226	3.503	ng	97
81) Benzo(a)anthracene	14.133	228	20095	2.343	ng	95
83) Chrysene	14.133	228	20095	2.429	ng	98
88) Benzo(b)fluoranthene	15.168	252	35582	3.835	ng	# 94
89) Benzo(k)fluoranthene	15.168	252	35582	3.936	ng	# 95
90) Benzo(a)pyrene	15.551	252	19050	2.554	ng	# 88

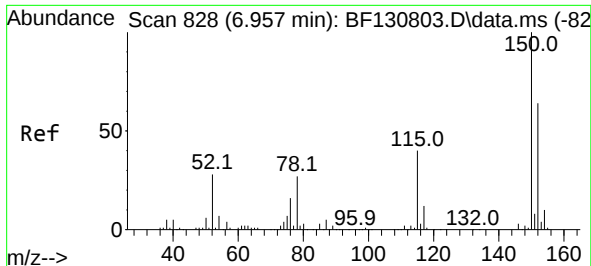
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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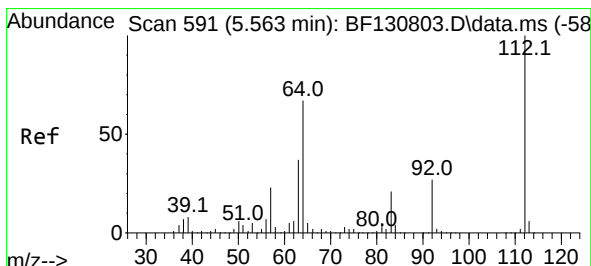
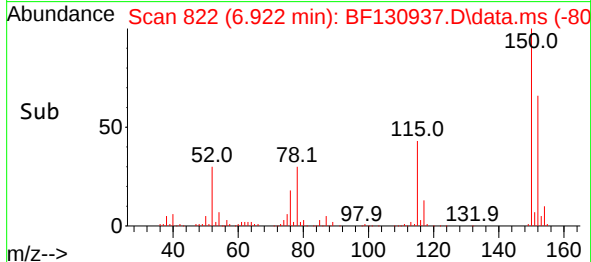
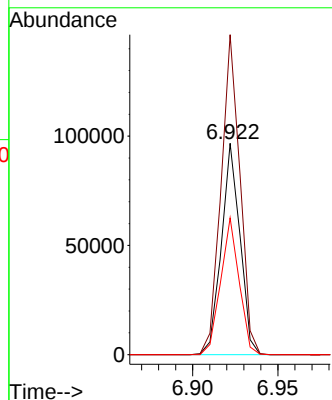
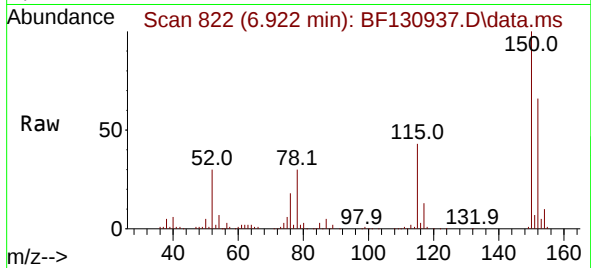




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130937.D
Acq: 02 Nov 2022 18:51

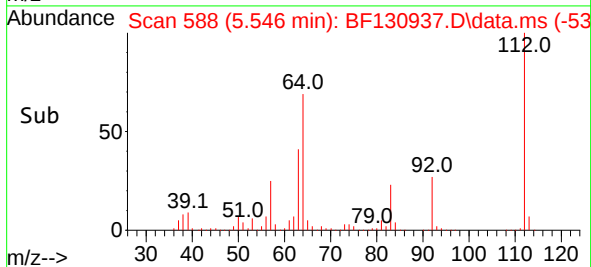
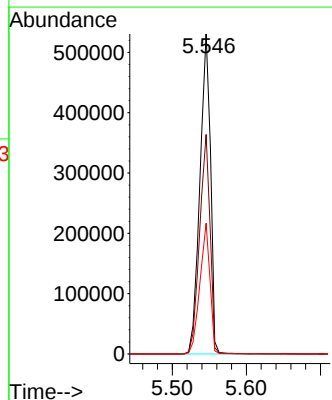
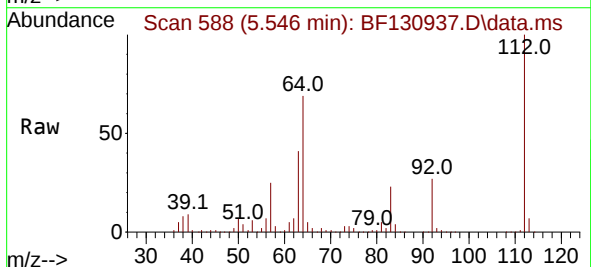
Instrument :
BNA_F
ClientSampleId :
S-10-103122

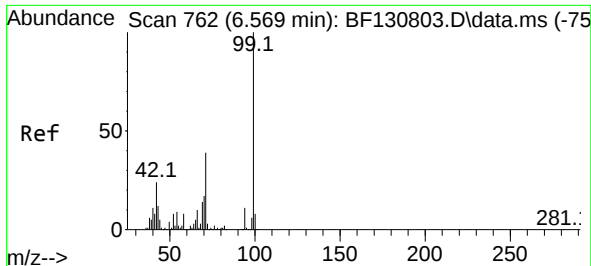
Tgt Ion:152 Resp: 73398
Ion Ratio Lower Upper
152 100
150 151.4 124.1 186.1
115 64.8 50.1 75.1



#5
2-Fluorophenol
Concen: 124.352 ng
RT: 5.546 min Scan# 588
Delta R.T. 0.006 min
Lab File: BF130937.D
Acq: 02 Nov 2022 18:51

Tgt Ion:112 Resp: 526485
Ion Ratio Lower Upper
112 100
64 68.6 53.9 80.9
63 40.9 29.4 44.2

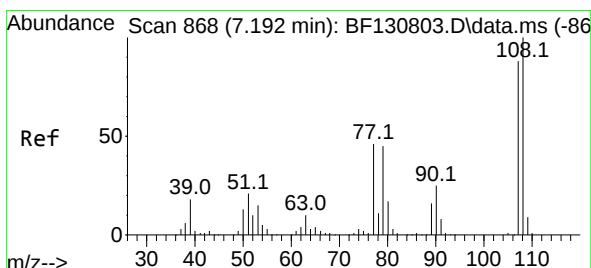
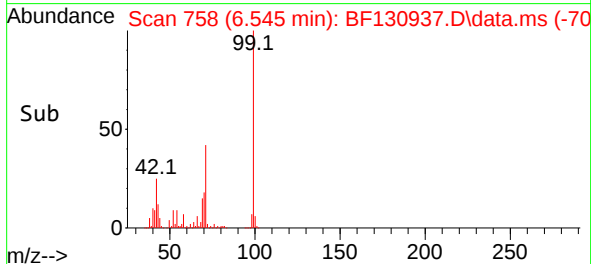
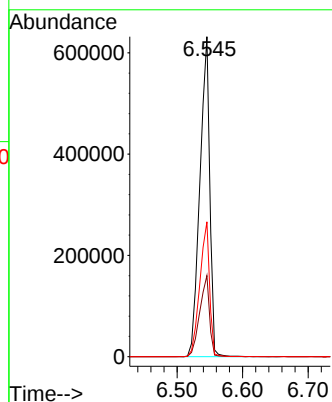
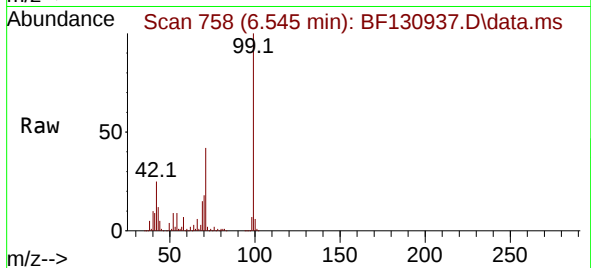




#7
Phenol-d6
Concen: 120.710 ng
RT: 6.545 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130937.D
Acq: 02 Nov 2022 18:51

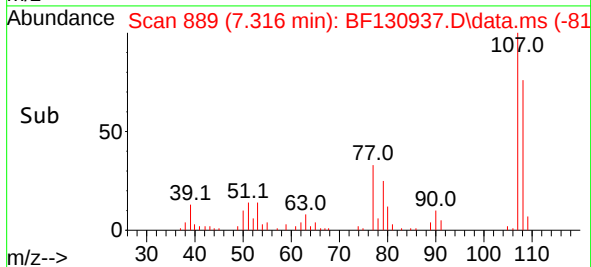
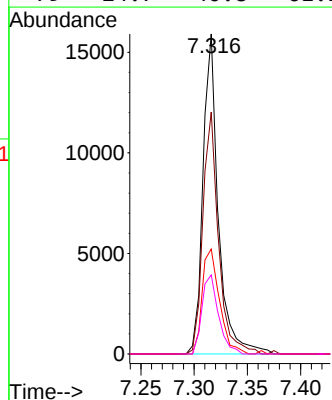
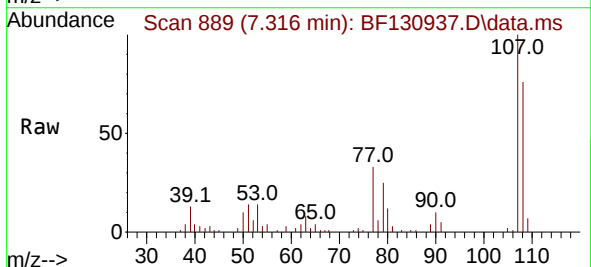
Instrument :
BNA_F
ClientSampleId :
S-10-103122

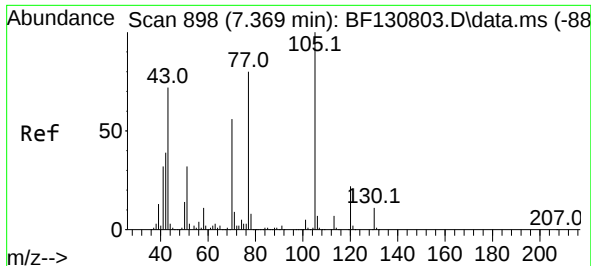
Tgt Ion: 99 Resp: 664127
Ion Ratio Lower Upper
99 100
42 25.3 18.8 28.2
71 42.1 31.4 47.0



#17
2-Methylphenol
Concen: 3.969 ng
RT: 7.316 min Scan# 889
Delta R.T. 0.141 min
Lab File: BF130937.D
Acq: 02 Nov 2022 18:51

Tgt Ion: 107 Resp: 16000
Ion Ratio Lower Upper
107 100
108 75.6 90.5 135.7#
77 32.8 41.2 61.8#
79 24.7 40.8 61.2#





#19

n-Nitroso-di-n-propylamine

Concen: 17.228 ng

RT: 7.487 min Scan# 91

Delta R.T. 0.147 min

Lab File: BF130937.D

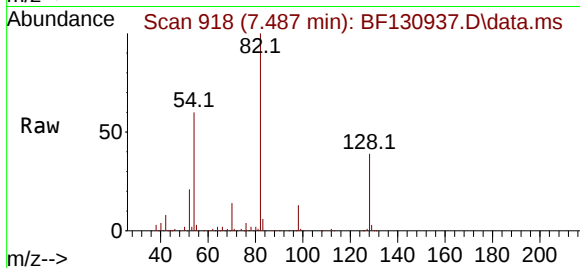
Acq: 02 Nov 2022 18:51

Instrument :

BNA_F

ClientSampleId :

S-10-103122



Tgt Ion: 70 Resp: 64491

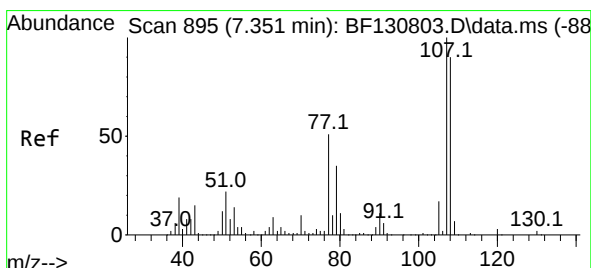
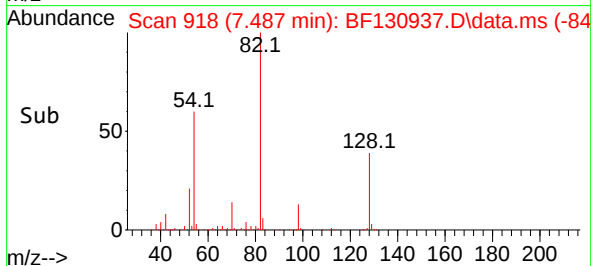
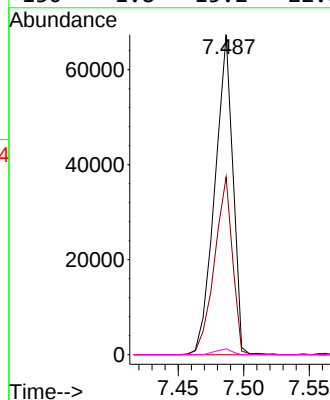
Ion Ratio Lower Upper

70 100

42 55.5 56.1 84.1#

101 0.0 7.3 10.9#

130 1.8 15.2 22.8#



#20

3+4-Methylphenols

Concen: 3.053 ng

RT: 7.316 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF130937.D

Acq: 02 Nov 2022 18:51

Tgt Ion: 107 Resp: 16000

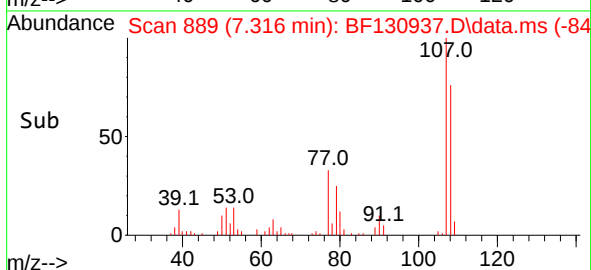
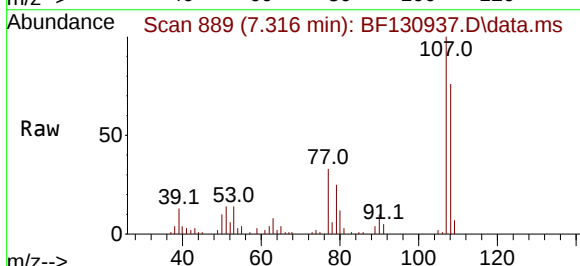
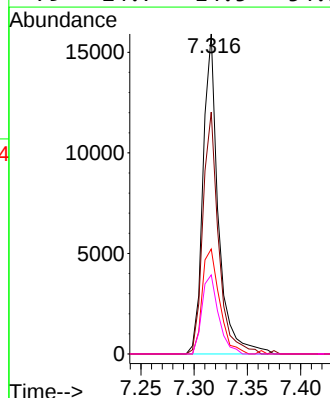
Ion Ratio Lower Upper

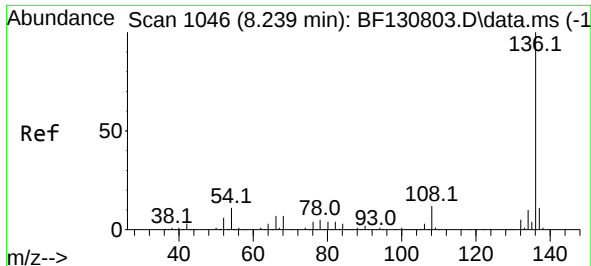
107 100

108 75.6 70.4 110.4

77 32.8 31.1 71.1

79 24.7 14.5 54.5

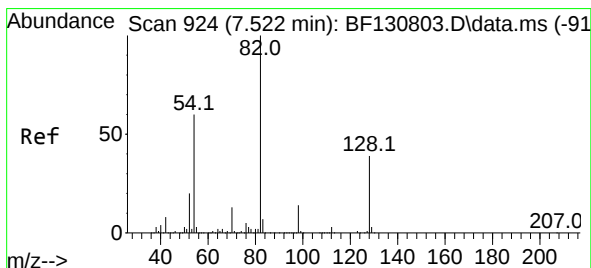
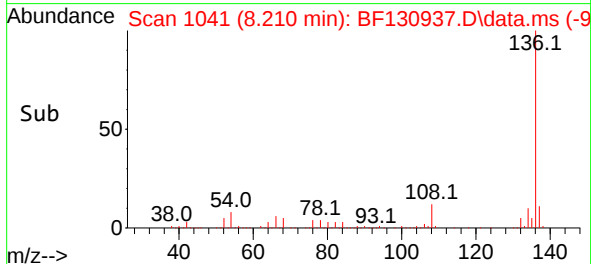
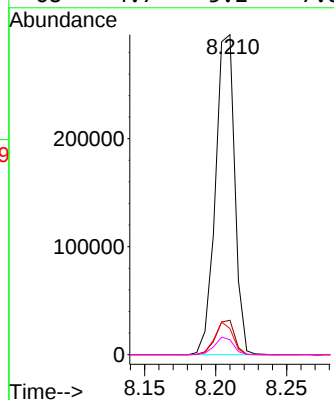
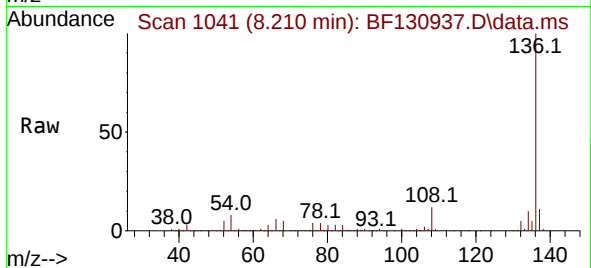




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF130937.D
Acq: 02 Nov 2022 18:51

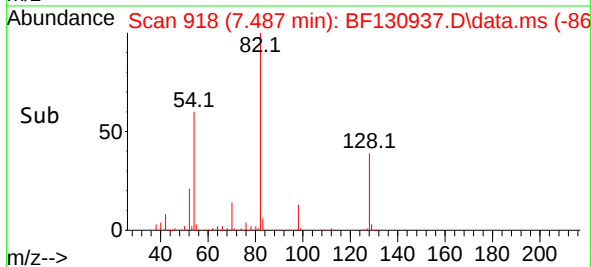
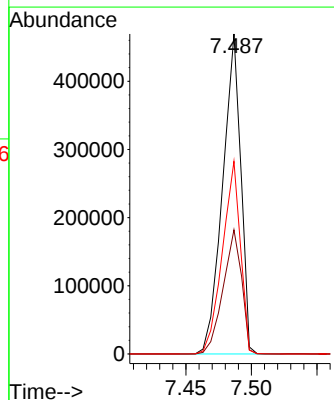
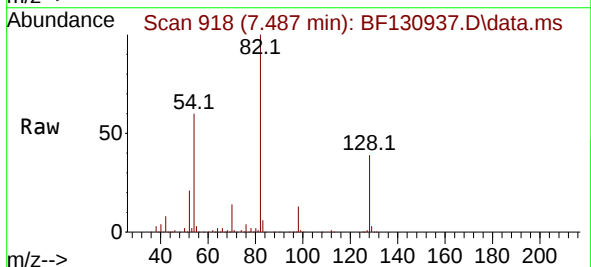
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S-10-103122

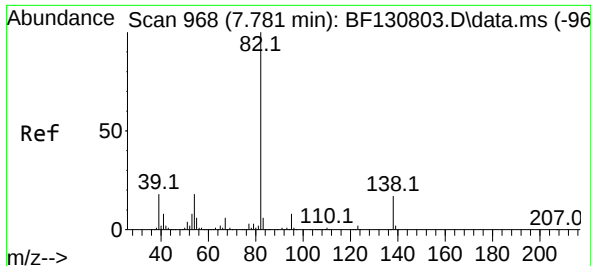
Tgt Ion:136	Resp:	279936
Ion	Ratio	Lower Upper
136	100	
137	10.7	9.2 13.8
54	8.2	8.8 13.2#
68	4.7	5.2 7.8#



#23
Nitrobenzene-d5
Concen: 97.208 ng
RT: 7.487 min Scan# 918
Delta R.T. -0.006 min
Lab File: BF130937.D
Acq: 02 Nov 2022 18:51

Tgt Ion: 82	Resp:	451287
Ion	Ratio	Lower Upper
82	100	
128	38.8	31.2 46.8
54	60.2	48.0 72.0

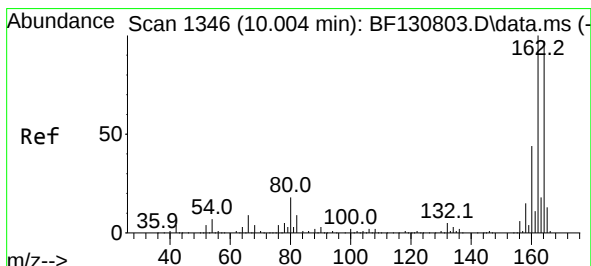
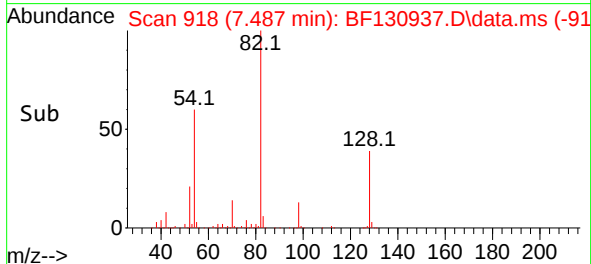
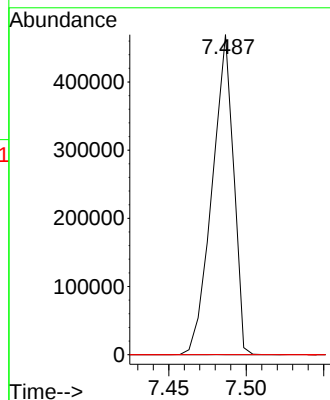
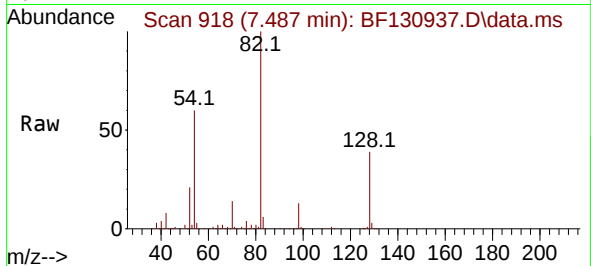




#25
Isophorone
Concen: 47.129 ng
RT: 7.487 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF130937.D
Acq: 02 Nov 2022 18:51

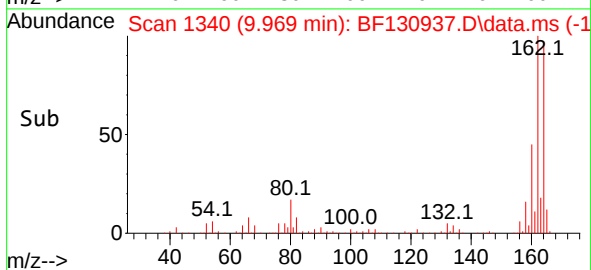
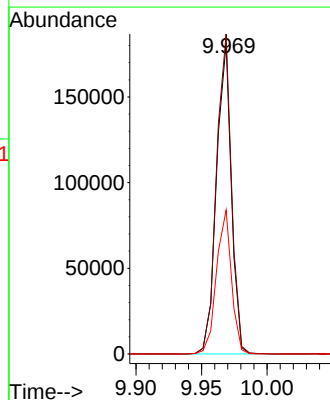
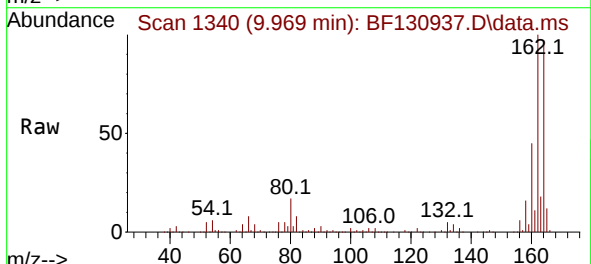
Instrument :
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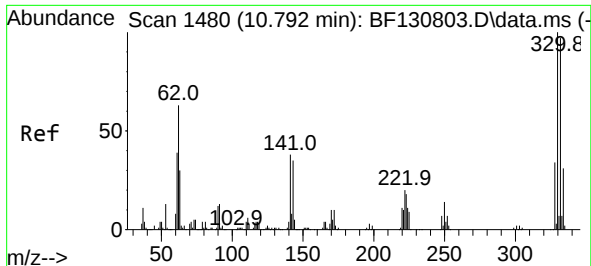
Tgt Ion: 82 Resp: 451189
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1340
Delta R.T. -0.006 min
Lab File: BF130937.D
Acq: 02 Nov 2022 18:51

Tgt Ion: 164 Resp: 142953
Ion Ratio Lower Upper
164 100
162 102.9 82.2 123.2
160 46.2 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 127.395 ng

RT: 10.757 min Scan# 1480

Delta R.T. -0.012 min

Lab File: BF130937.D

Acq: 02 Nov 2022 18:51

Instrument :

BNA_F

ClientSampleId :

S-10-103122

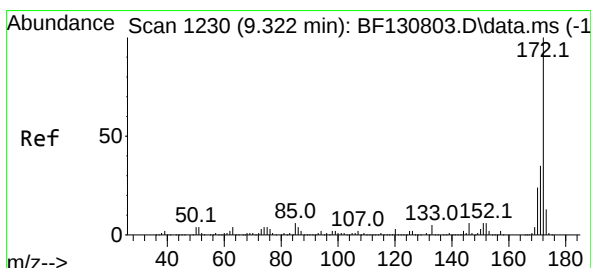
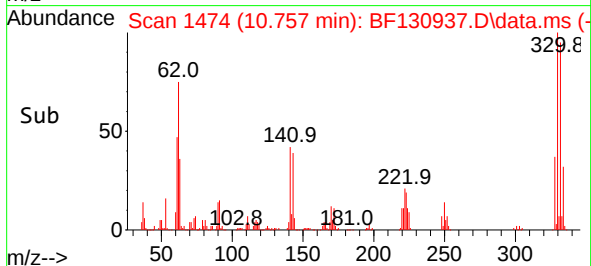
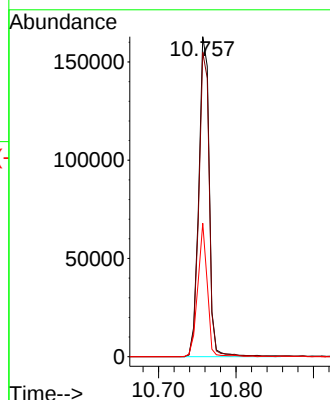
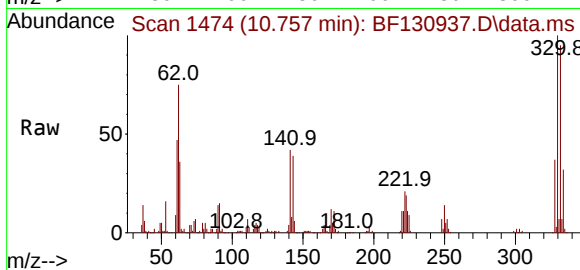
Tgt Ion:330 Resp: 153304

Ion Ratio Lower Upper

330 100

332 94.9 76.2 114.4

141 37.6 31.4 47.0



#45

2-Fluorobiphenyl

Concen: 77.905 ng

RT: 9.286 min Scan# 1224

Delta R.T. -0.006 min

Lab File: BF130937.D

Acq: 02 Nov 2022 18:51

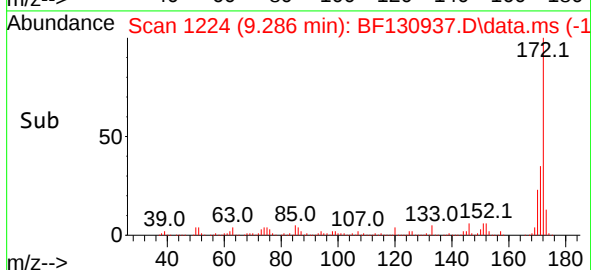
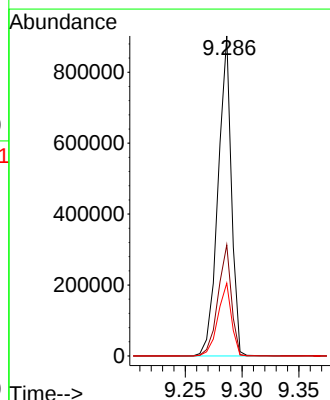
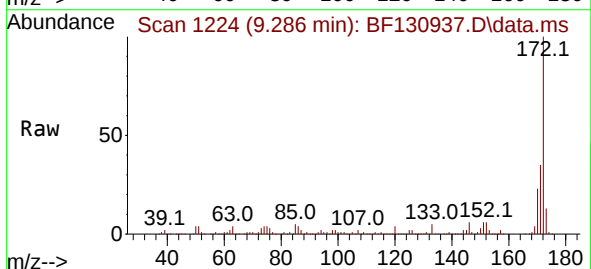
Tgt Ion:172 Resp: 736617

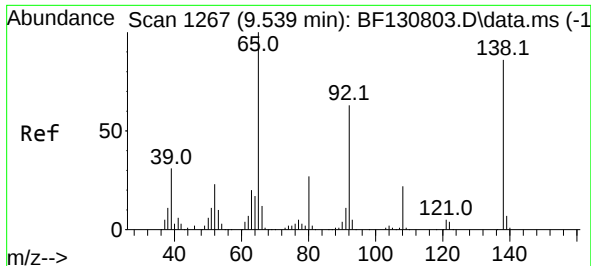
Ion Ratio Lower Upper

172 100

171 34.7 28.1 42.1

170 22.8 19.0 28.4





#48

2-Nitroaniline

Concen: 4.195 ng

RT: 9.398 min Scan# 11

Delta R.T. -0.118 min

Lab File: BF130937.D

Acq: 02 Nov 2022 18:51

Instrument :

BNA_F

ClientSampleId :

S-10-103122

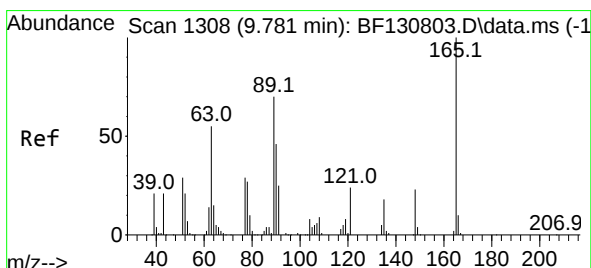
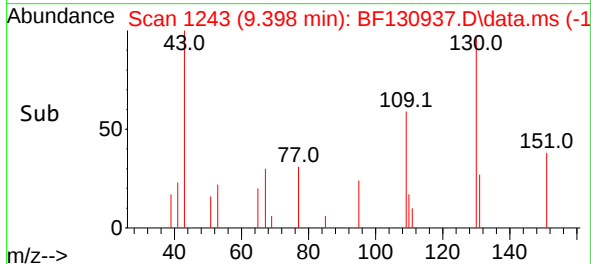
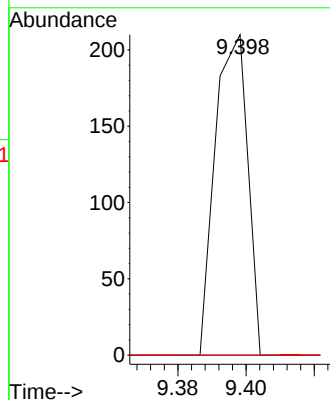
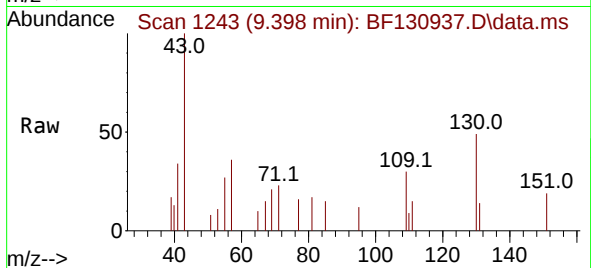
Tgt Ion: 65 Resp: 139

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: 12.424 ng

RT: 9.969 min Scan# 1340

Delta R.T. 0.212 min

Lab File: BF130937.D

Acq: 02 Nov 2022 18:51

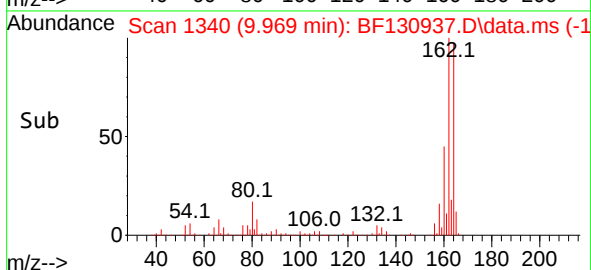
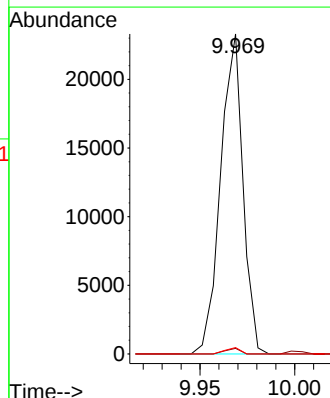
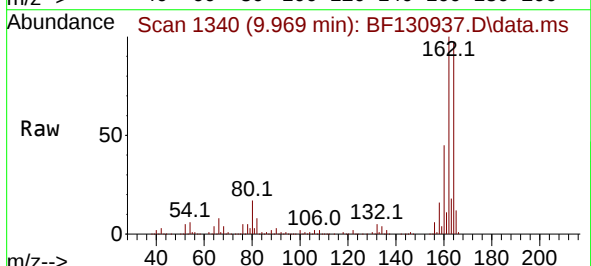
Tgt Ion: 165 Resp: 19093

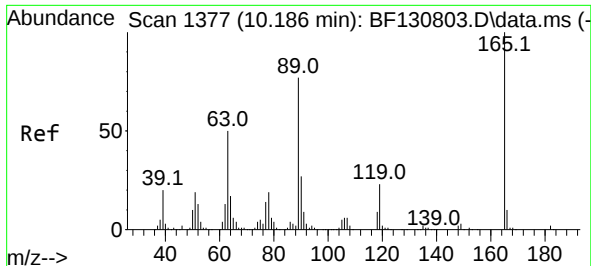
Ion Ratio Lower Upper

165 100

63 1.8 61.8 92.8#

89 2.0 56.2 84.4#

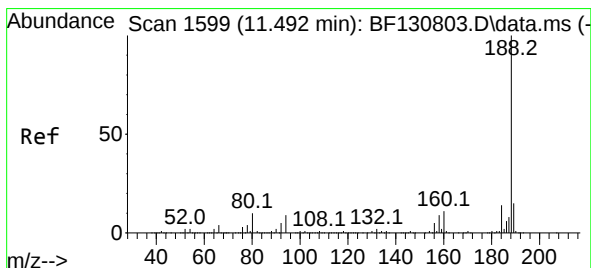
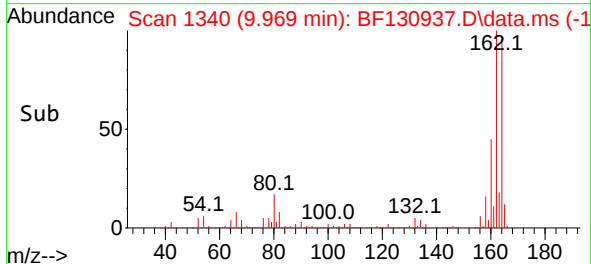
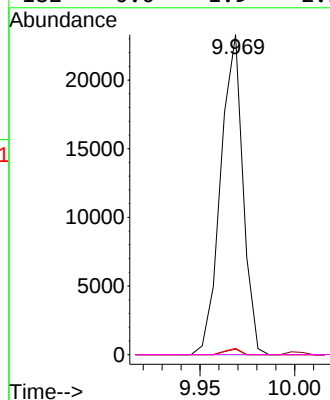
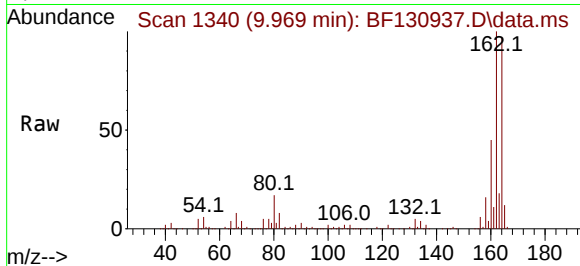




#57
2,4-Dinitrotoluene
Concen: 11.219 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF130937.D
Acq: 02 Nov 2022 18:51

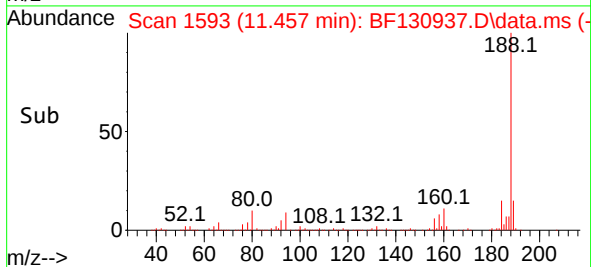
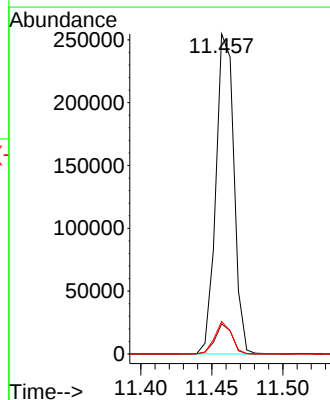
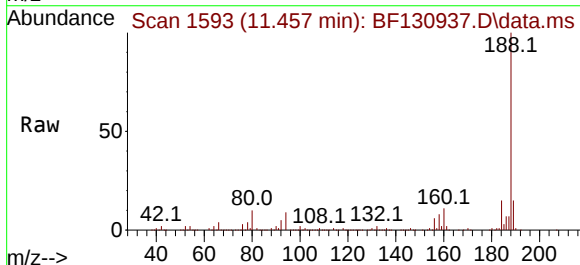
Instrument :
BNA_F
ClientSampleId :
S-10-103122

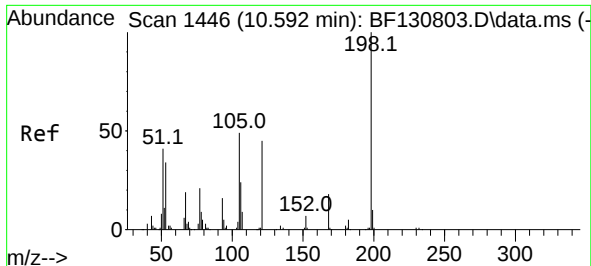
Tgt Ion:165 Resp: 19093
Ion Ratio Lower Upper
165 100
63 1.8 39.8 59.6#
89 2.0 61.9 92.9#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1593
Delta R.T. -0.012 min
Lab File: BF130937.D
Acq: 02 Nov 2022 18:51

Tgt Ion:188 Resp: 224490
Ion Ratio Lower Upper
188 100
94 9.4 7.4 11.2
80 10.2 8.0 12.0

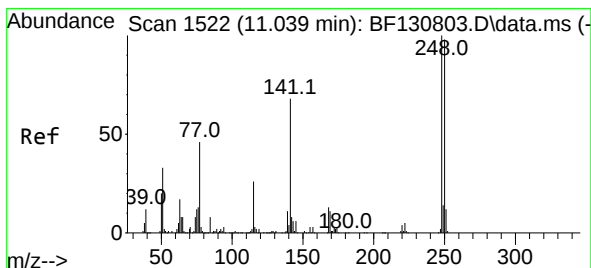
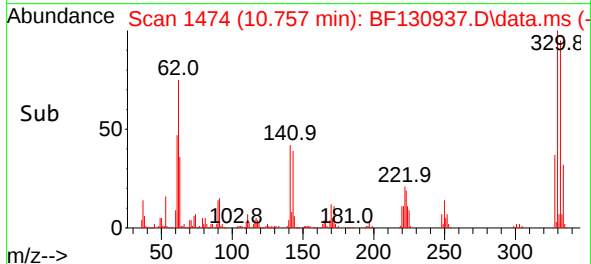
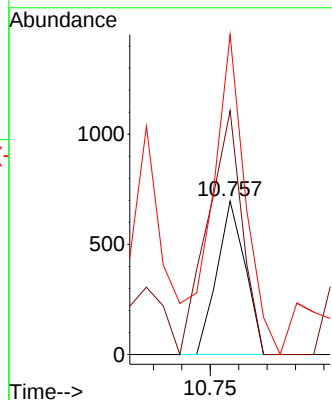
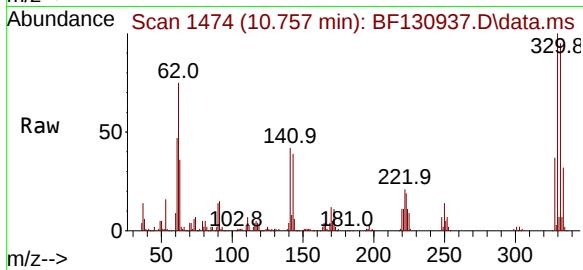




#65
4,6-Dinitro-2-methylphenol
Concen: 8.357 ng
RT: 10.757 min Scan# 1446
Delta R.T. 0.188 min
Lab File: BF130937.D
Acq: 02 Nov 2022 18:51

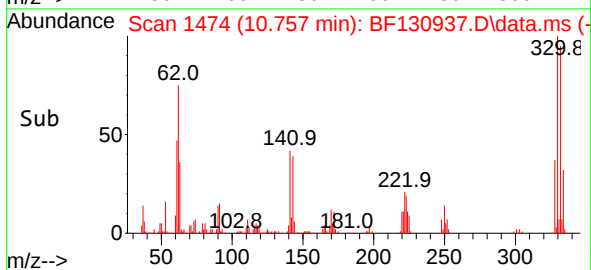
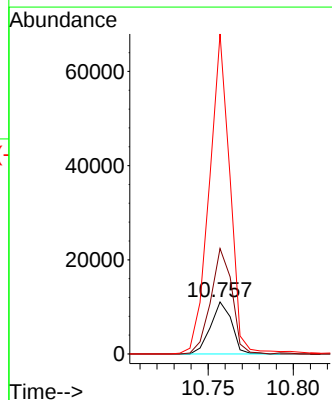
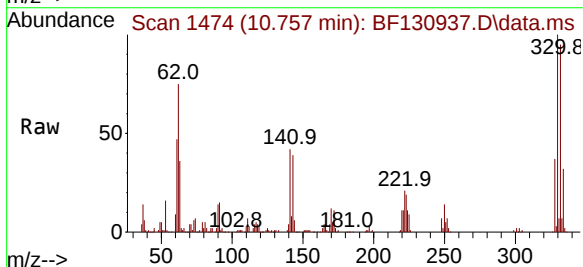
Instrument :
BNA_F
ClientSampleId :
S-10-103122

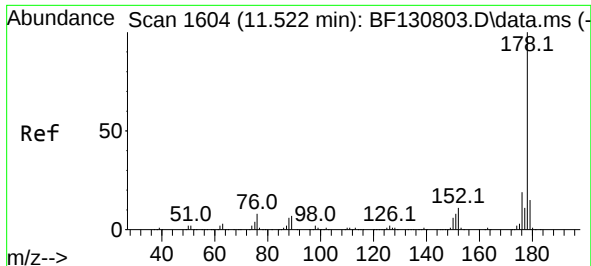
Tgt Ion:198 Resp: 482
Ion Ratio Lower Upper
198 100
51 158.8 39.0 79.0#
105 208.3 30.6 70.6#



#67
4-Bromophenyl-phenylether
Concen: 4.218 ng
RT: 10.757 min Scan# 1474
Delta R.T. -0.253 min
Lab File: BF130937.D
Acq: 02 Nov 2022 18:51

Tgt Ion:248 Resp: 9523
Ion Ratio Lower Upper
248 100
250 202.6 78.6 117.8#
141 614.7 54.2 81.4#

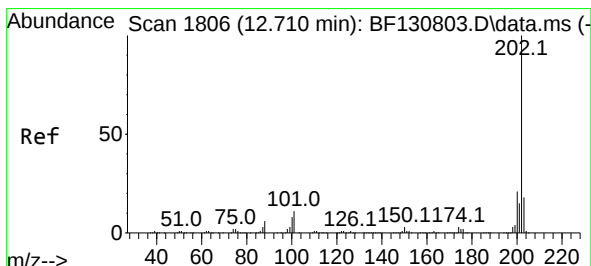
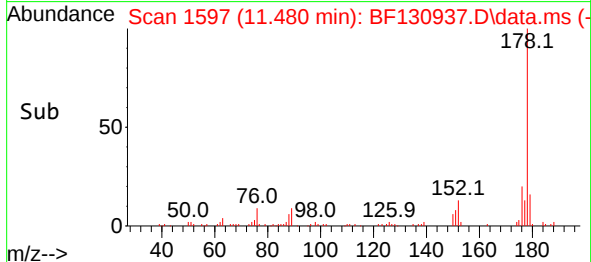
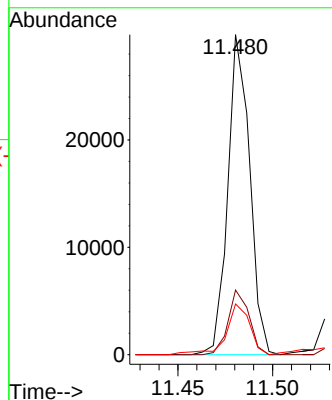
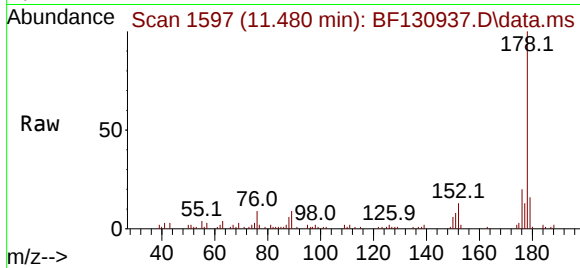




#71
Phenanthrene
Concen: 2.067 ng
RT: 11.480 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130937.D
Acq: 02 Nov 2022 18:51

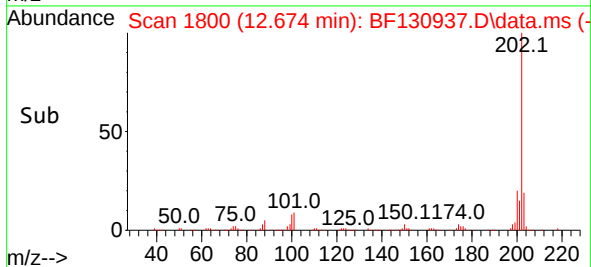
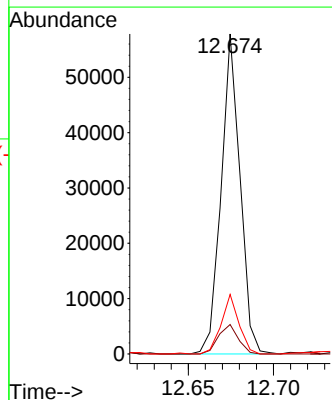
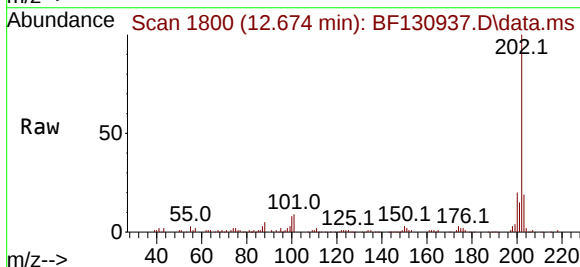
Instrument :
BNA_F
ClientSampleId :
S-10-103122

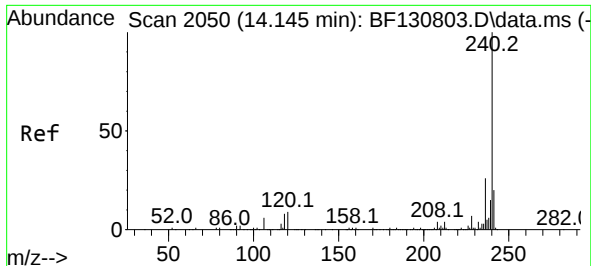
Tgt Ion:178 Resp: 23954
Ion Ratio Lower Upper
178 100
176 20.2 15.5 23.3
179 15.8 12.2 18.2



#75
Fluoranthene
Concen: 3.633 ng
RT: 12.674 min Scan# 1800
Delta R.T. -0.012 min
Lab File: BF130937.D
Acq: 02 Nov 2022 18:51

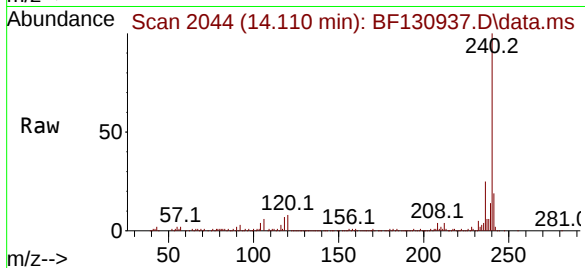
Tgt Ion:202 Resp: 44726
Ion Ratio Lower Upper
202 100
101 9.2 0.0 30.9
203 18.6 0.0 37.7



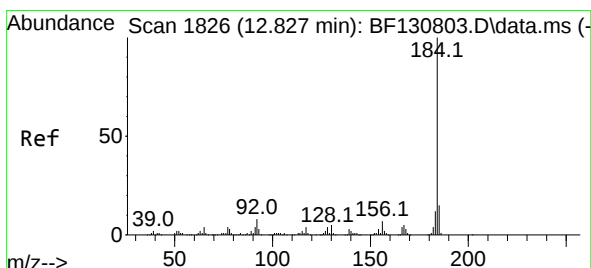
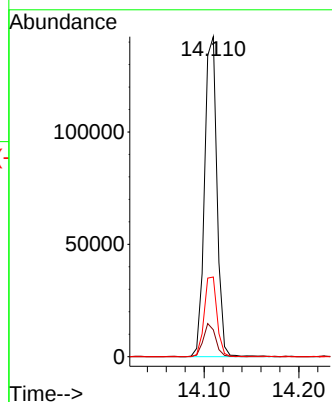
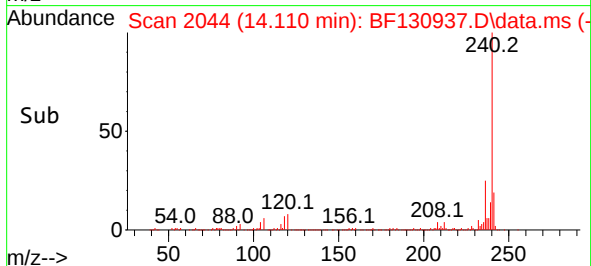


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.110 min Scan# 2050
Delta R.T. -0.012 min
Lab File: BF130937.D
Acq: 02 Nov 2022 18:51

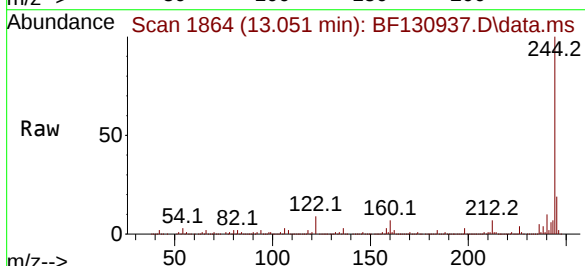
Instrument :
BNA_F
ClientSampleId :
S-10-103122



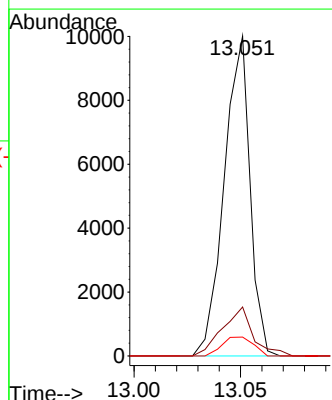
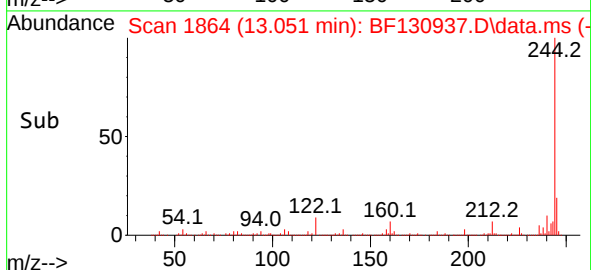
Tgt Ion:240 Resp: 129356
Ion Ratio Lower Upper
240 100
120 8.4 7.0 10.4
236 24.9 20.5 30.7

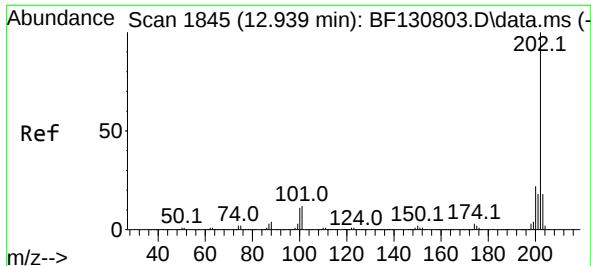


#77
Benzidine
Concen: 2.683 ng
RT: 13.051 min Scan# 1864
Delta R.T. 0.247 min
Lab File: BF130937.D
Acq: 02 Nov 2022 18:51



Tgt Ion:184 Resp: 8426
Ion Ratio Lower Upper
184 100
185 15.3 11.8 17.8
183 5.9 9.7 14.5

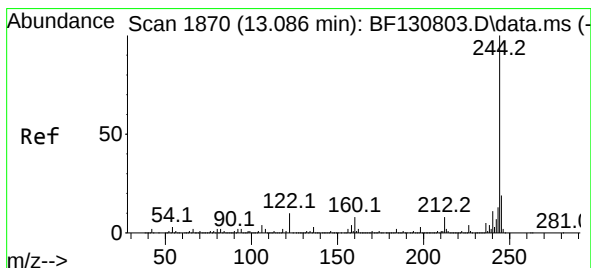
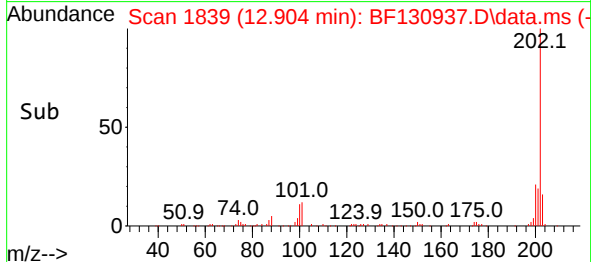
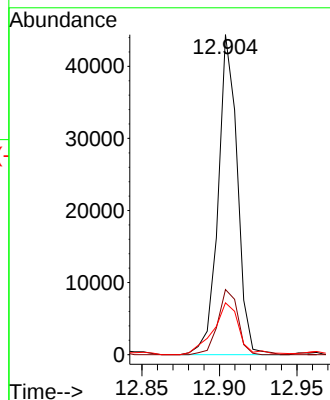
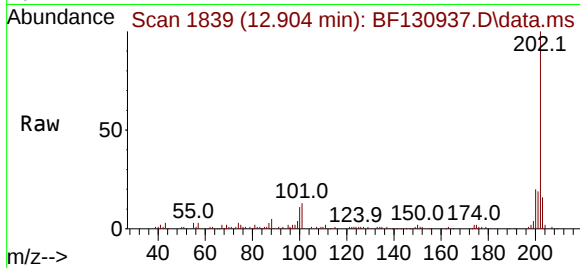




#78
Pyrene
Concen: 3.503 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BF130937.D
Acq: 02 Nov 2022 18:51

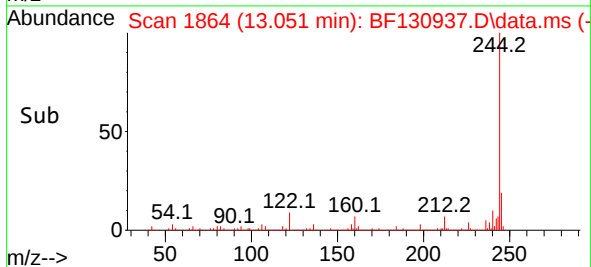
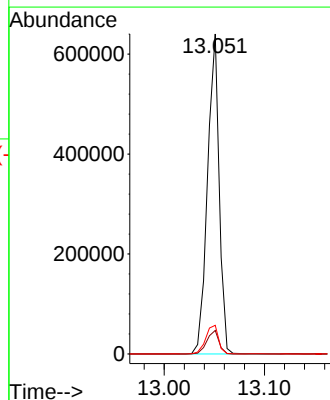
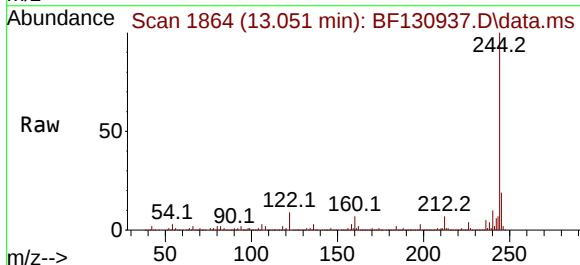
Instrument :
BNA_F
ClientSampleId :
S-10-103122

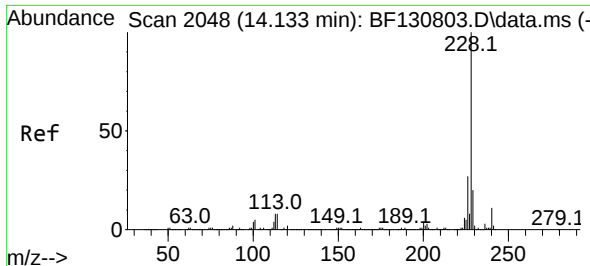
Tgt Ion:202 Resp: 38226
Ion Ratio Lower Upper
202 100
200 20.4 17.2 25.8
203 16.2 14.5 21.7



#79
Terphenyl-d14
Concen: 73.726 ng
RT: 13.051 min Scan# 1864
Delta R.T. -0.006 min
Lab File: BF130937.D
Acq: 02 Nov 2022 18:51

Tgt Ion:244 Resp: 520447
Ion Ratio Lower Upper
244 100
212 7.4 6.2 9.2
122 9.0 7.9 11.9

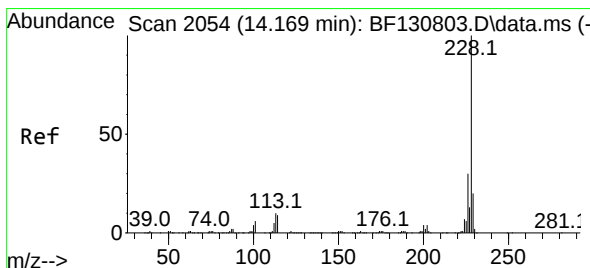
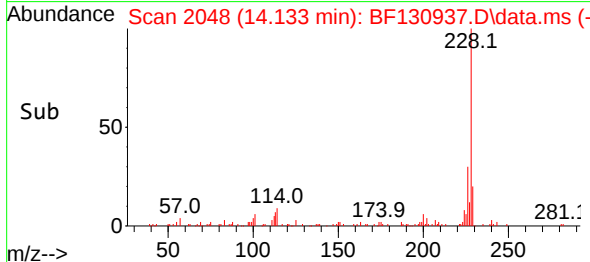
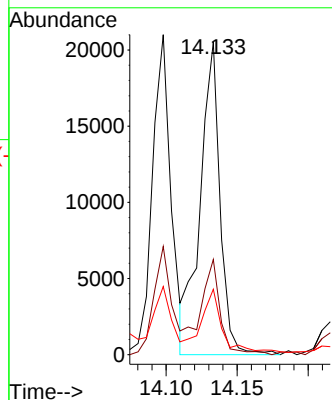
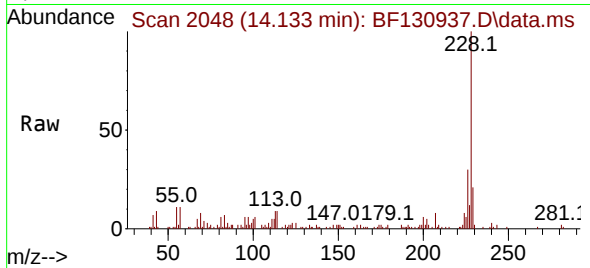




#81
Benzo(a)anthracene
Concen: 2.343 ng
RT: 14.133 min Scan# 2048
Delta R.T. 0.024 min
Lab File: BF130937.D
Acq: 02 Nov 2022 18:51

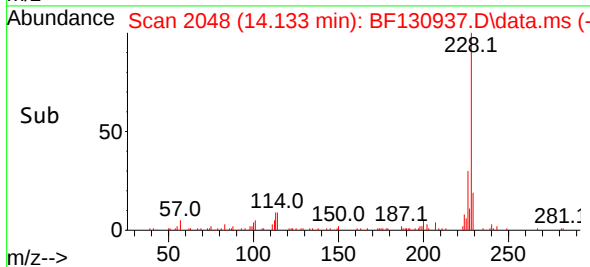
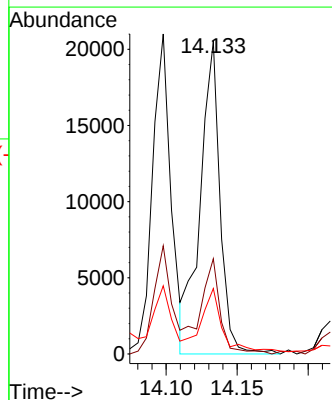
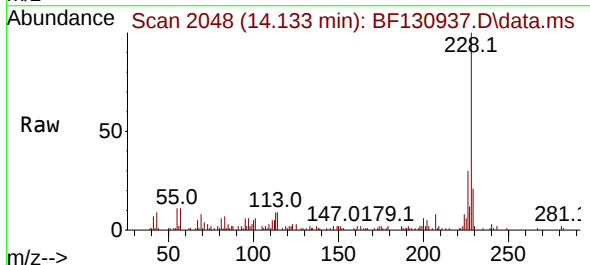
Instrument :
BNA_F
ClientSampleId :
S-10-103122

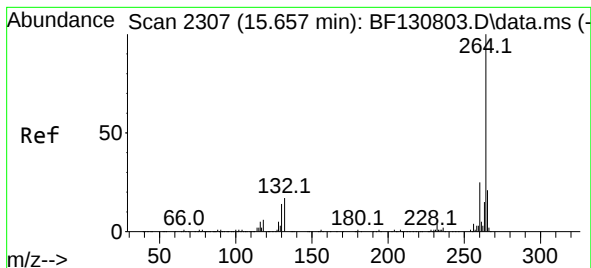
Tgt Ion:228 Resp: 20095
Ion Ratio Lower Upper
228 100
226 30.4 21.4 32.2
229 20.9 15.8 23.6



#83
Chrysene
Concen: 2.429 ng
RT: 14.133 min Scan# 2048
Delta R.T. -0.012 min
Lab File: BF130937.D
Acq: 02 Nov 2022 18:51

Tgt Ion:228 Resp: 20095
Ion Ratio Lower Upper
228 100
226 30.4 23.9 35.9
229 20.9 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: BF130937.D

Acq: 02 Nov 2022 18:51

Instrument :

BNA_F

ClientSampleId :

S-10-103122

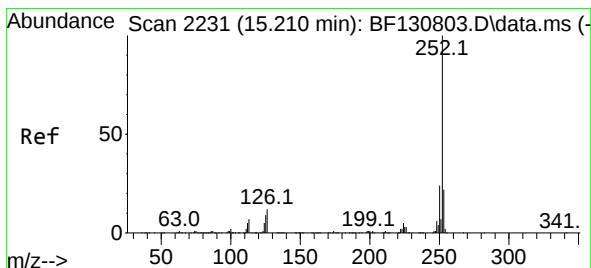
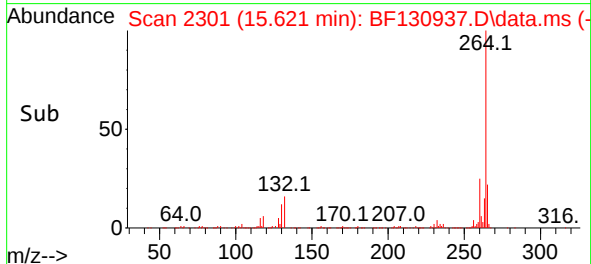
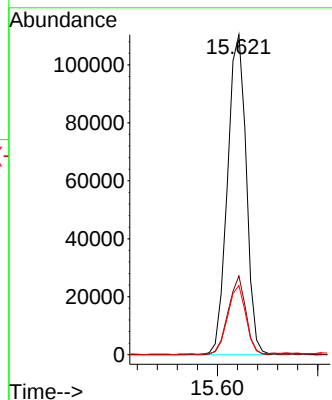
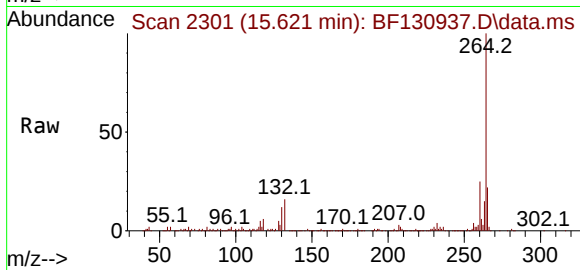
Tgt Ion:264 Resp: 143516

Ion Ratio Lower Upper

264 100

260 24.6 19.9 29.9

265 21.6 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 3.835 ng

RT: 15.168 min Scan# 2224

Delta R.T. -0.012 min

Lab File: BF130937.D

Acq: 02 Nov 2022 18:51

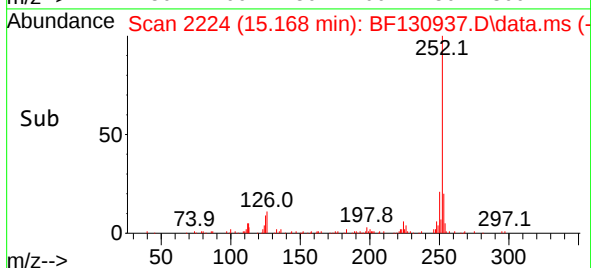
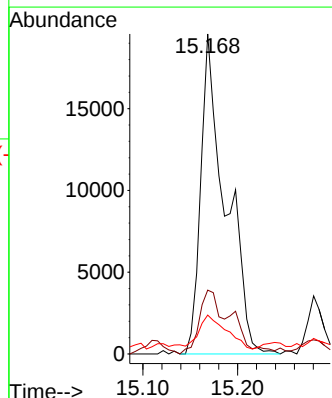
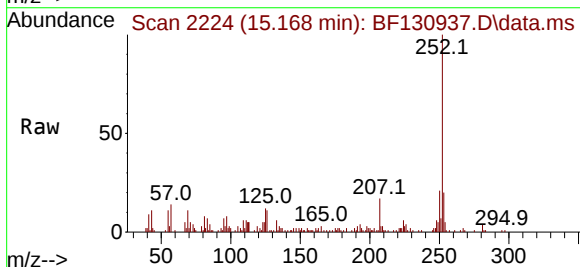
Tgt Ion:252 Resp: 35582

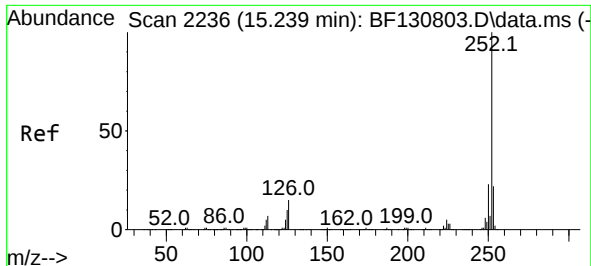
Ion Ratio Lower Upper

252 100

253 19.9 17.5 26.3

125 12.2 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 3.936 ng

RT: 15.168 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF130937.D

Acq: 02 Nov 2022 18:51

Instrument :

BNA_F

ClientSampleId :

S-10-103122

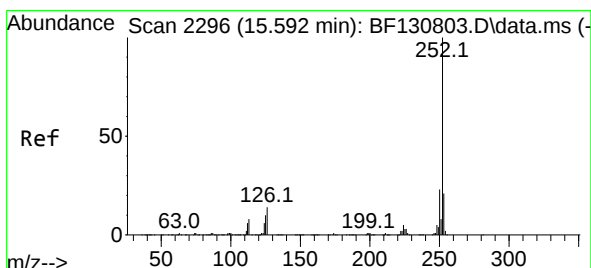
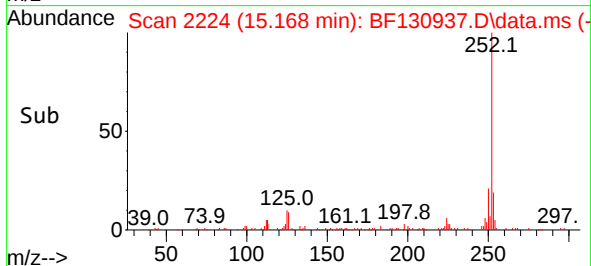
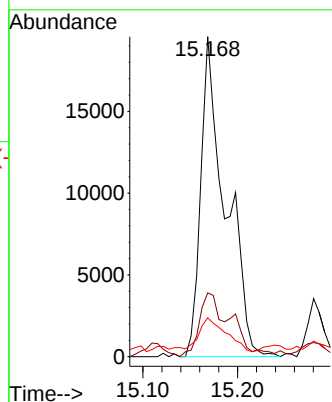
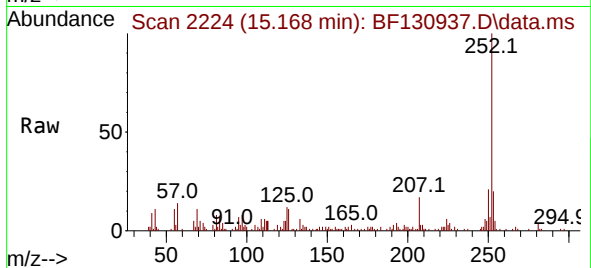
Tgt Ion:252 Resp: 35582

Ion Ratio Lower Upper

252 100

253 19.9 17.5 26.3

125 12.2 8.0 12.0#



#90

Benzo(a)pyrene

Concen: 2.554 ng

RT: 15.551 min Scan# 2289

Delta R.T. -0.018 min

Lab File: BF130937.D

Acq: 02 Nov 2022 18:51

Tgt Ion:252 Resp: 19050

Ion Ratio Lower Upper

252 100

253 27.5 16.8 25.2#

125 13.0 8.3 12.5#

