

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
 Data File : BF130890.D
 Acq On : 31 Oct 2022 20:58
 Operator : CG\JU
 Sample : N5361-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-2-102822

Quant Time: Nov 01 02:32:50 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 29 05:41:34 2022
 Response via : Initial Calibration

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

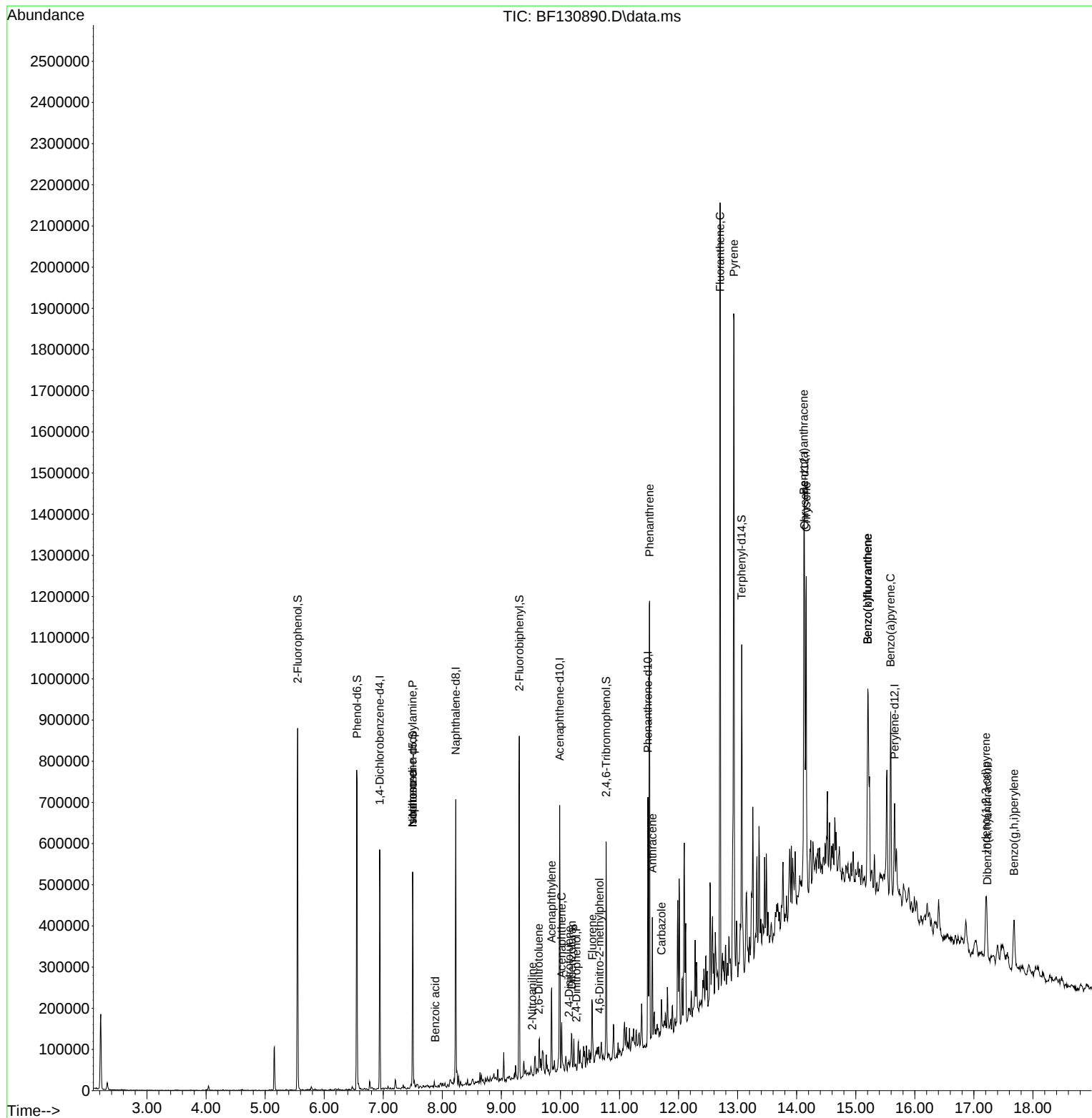
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.939	152	75448	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	246995	20.000	ng	# 0.00
39) Acenaphthene-d10	9.986	164	112108	20.000	ng	-0.01
64) Phenanthrene-d10	11.480	188	204429	20.000	ng	0.00
76) Chrysene-d12	14.133	240	144674	20.000	ng	# 0.00
86) Perylene-d12	15.657	264	105439	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	197900	45.473	ng	0.00
7) Phenol-d6	6.557	99	234253	41.420	ng	0.00
23) Nitrobenzene-d5	7.498	82	142899	34.886	ng	-0.02
42) 2,4,6-Tribromophenol	10.774	330	45336	48.039	ng	-0.01
45) 2-Fluorobiphenyl	9.304	172	235035	31.697	ng	0.00
79) Terphenyl-d14	13.068	244	239607	30.349	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.498	70	20023	5.204	ng	# 80
25) Isophorone	7.498	82	142869	16.914	ng	# 66
32) Benzoic acid	7.881	122	53	7.698	ng	# 68
48) 2-Nitroaniline	9.522	65	130	4.205	ng	# 46
49) Acenaphthylene	9.851	152	72893	7.202	ng	98
51) 2,6-Dinitrotoluene	9.633	165	695	3.236	ng	# 25
52) Acenaphthene	10.022	154	20038	3.202	ng	98
54) 2,4-Dinitrophenol	10.269	184	77	4.317	ng	# 49
55) Dibenzofuran	10.192	168	18762	2.068	ng	# 94
57) 2,4-Dinitrotoluene	10.145	165	1228	4.323	ng	# 65
58) Fluorene	10.539	166	42922	6.009	ng	98
65) 4,6-Dinitro-2-methylph...	10.663	198	53	7.980	ng	# 1
71) Phenanthrene	11.510	178	406572	38.533	ng	99
72) Anthracene	11.557	178	106529	10.236	ng	98
73) Carbazole	11.710	167	23543	2.526	ng	95
75) Fluoranthene	12.704	202	714036	63.693	ng	99
78) Pyrene	12.939	202	730080	59.814	ng	98
81) Benzo(a)anthracene	14.121	228	305035	31.801	ng	92
83) Chrysene	14.163	228	302999	32.749	ng	98
87) Indeno(1,2,3-cd)pyrene	17.203	276	117281	16.750	ng	# 93
88) Benzo(b)fluoranthene	15.204	252	389148	57.094	ng	# 97
89) Benzo(k)fluoranthene	15.204	252	389148	58.592	ng	98
90) Benzo(a)pyrene	15.592	252	208901	38.127	ng	95
91) Dibenzo(a,h)anthracene	17.227	278	29624	5.190	ng	# 86
92) Benzo(g,h,i)perylene	17.680	276	115159	19.775	ng	99

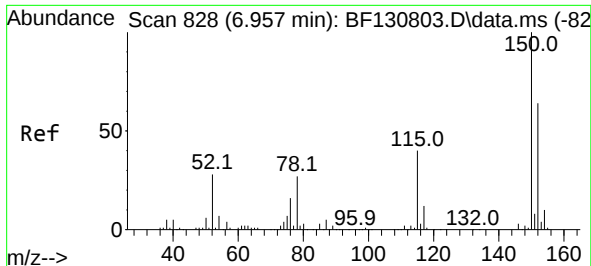
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
Data File : BF130890.D
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QLast Update : Sat Oct 29 05:41:34 2022
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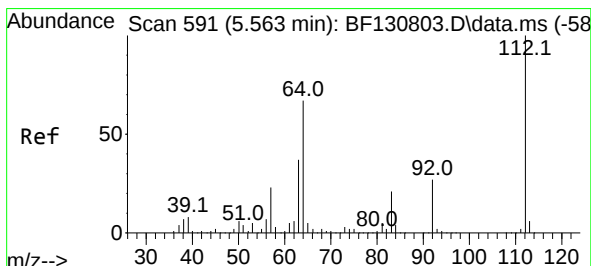
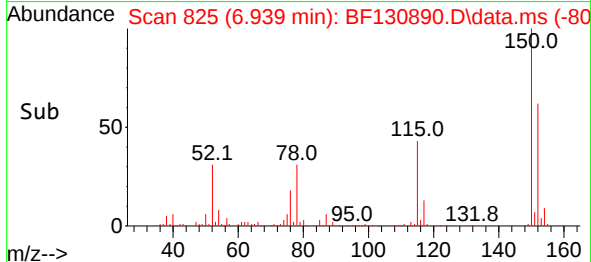
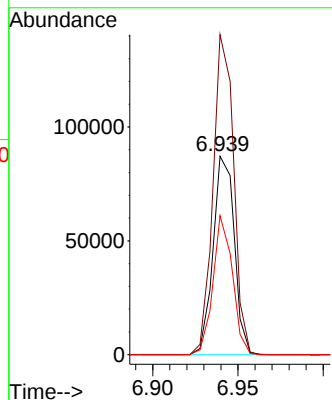
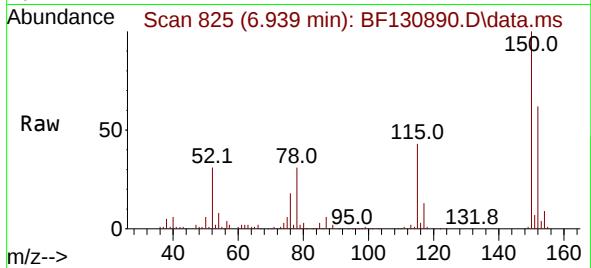




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.939 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130890.D
Acq: 31 Oct 2022 20:58

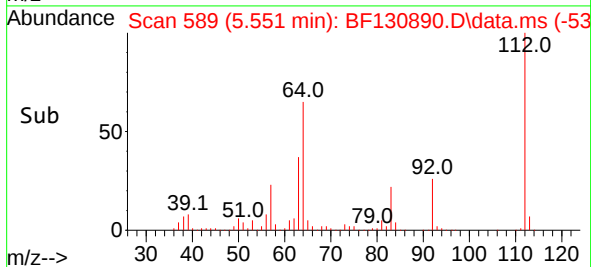
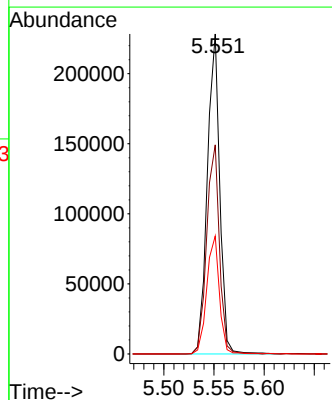
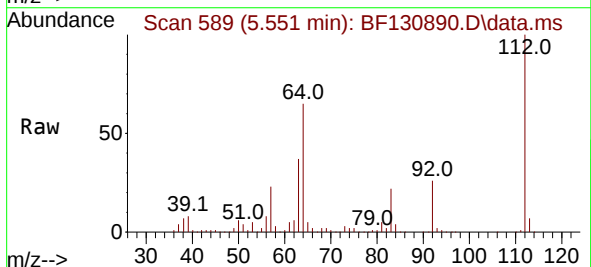
Instrument :
BNA_F
ClientSampleId :
OR-2-102822

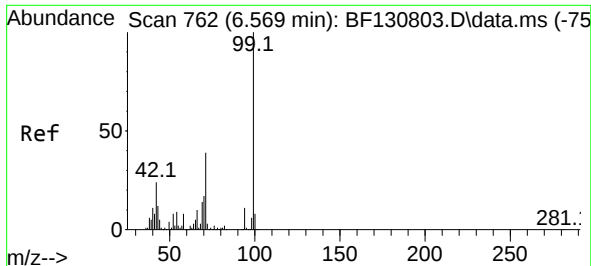
Tgt Ion:152 Resp: 75448
Ion Ratio Lower Upper
152 100
150 161.2 124.1 186.1
115 70.1 50.1 75.1



#5
2-Fluorophenol
Concen: 45.473 ng
RT: 5.551 min Scan# 589
Delta R.T. -0.006 min
Lab File: BF130890.D
Acq: 31 Oct 2022 20:58

Tgt Ion:112 Resp: 197900
Ion Ratio Lower Upper
112 100
64 65.4 53.9 80.9
63 36.9 29.4 44.2

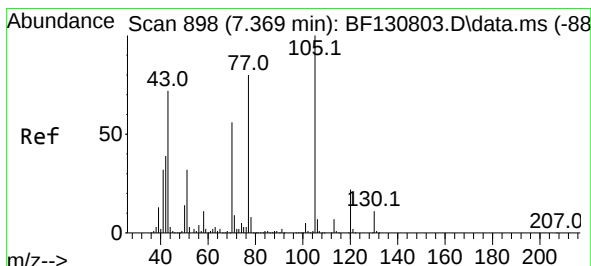
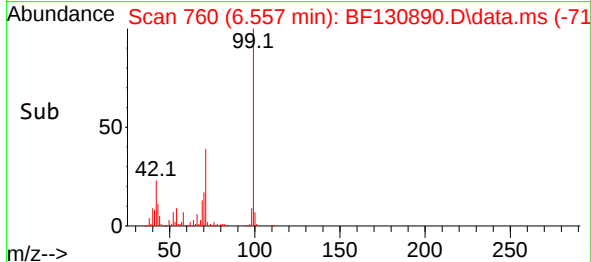
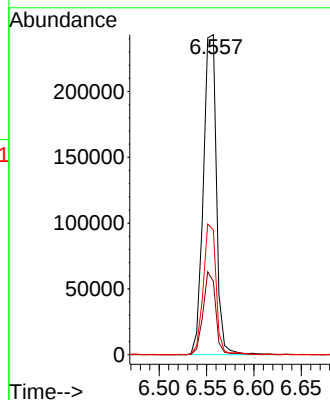
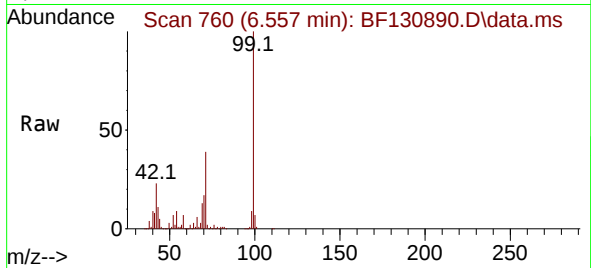




#7
Phenol-d6
Concen: 41.420 ng
RT: 6.557 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130890.D
Acq: 31 Oct 2022 20:58

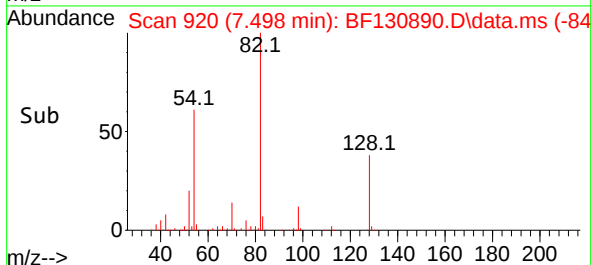
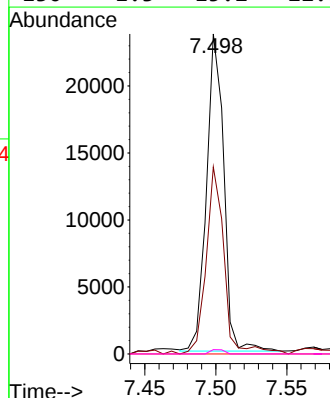
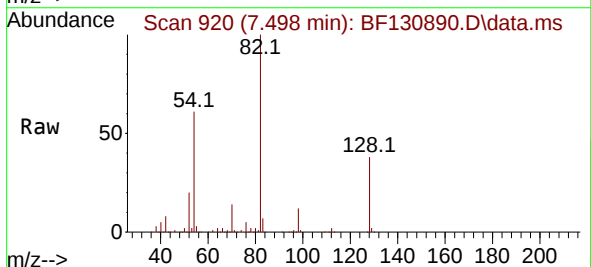
Instrument :
BNA_F
ClientSampleId :
OR-2-102822

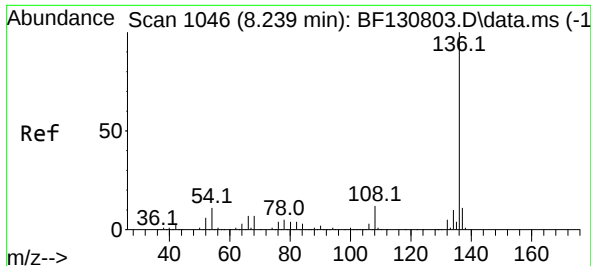
Tgt Ion: 99 Resp: 234253
Ion Ratio Lower Upper
99 100
42 22.9 18.8 28.2
71 39.0 31.4 47.0



#19
n-Nitroso-di-n-propylamine
Concen: 5.204 ng
RT: 7.498 min Scan# 920
Delta R.T. 0.135 min
Lab File: BF130890.D
Acq: 31 Oct 2022 20:58

Tgt Ion: 70 Resp: 20023
Ion Ratio Lower Upper
70 100
42 58.5 56.1 84.1
101 0.0 7.3 10.9#
130 1.3 15.2 22.8#

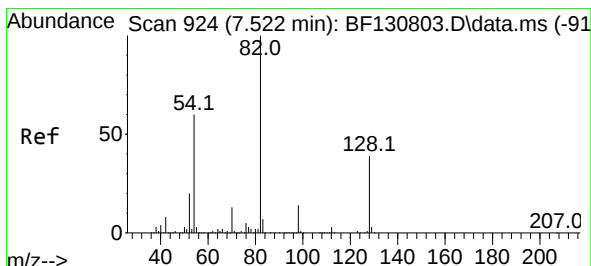
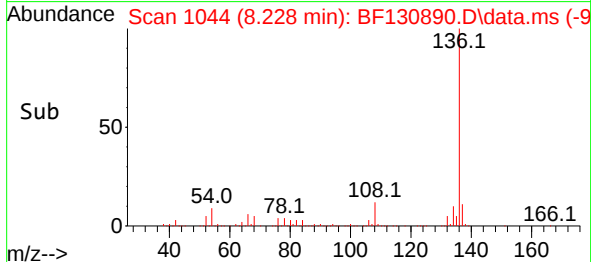
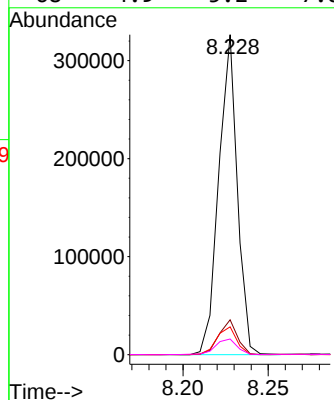
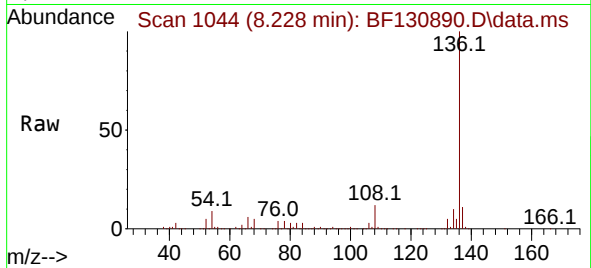




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF130890.D
Acq: 31 Oct 2022 20:58

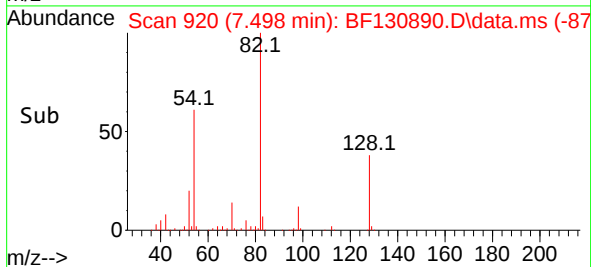
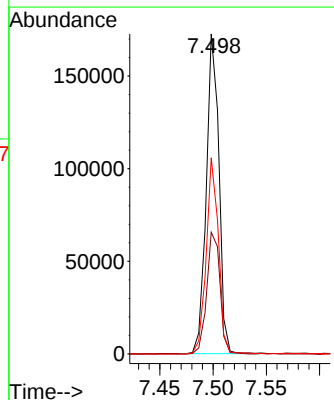
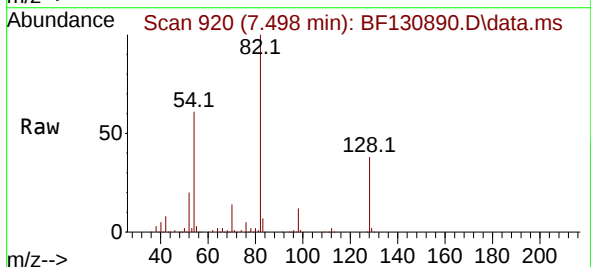
Instrument :
BNA_F
ClientSampleId :
OR-2-102822

Tgt Ion:136 Resp: 246995
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 8.7 8.8 13.2#
68 4.9 5.2 7.8#



#23
Nitrobenzene-d5
Concen: 34.886 ng
RT: 7.498 min Scan# 920
Delta R.T. -0.018 min
Lab File: BF130890.D
Acq: 31 Oct 2022 20:58

Tgt Ion: 82 Resp: 142899
Ion Ratio Lower Upper
82 100
128 38.0 31.2 46.8
54 61.3 48.0 72.0

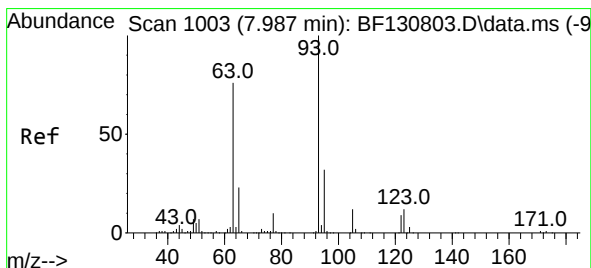
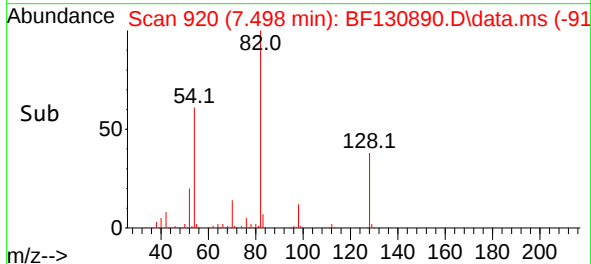
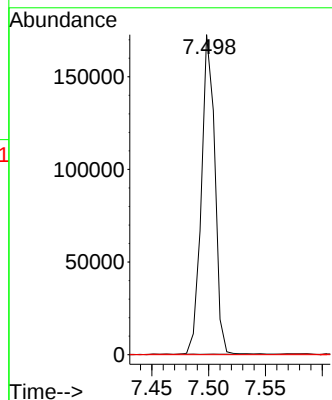
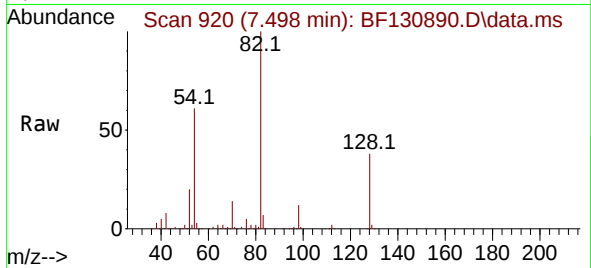




#25
Isophorone
Concen: 16.914 ng
RT: 7.498 min Scan# 91
Delta R.T. -0.271 min
Lab File: BF130890.D
Acq: 31 Oct 2022 20:58

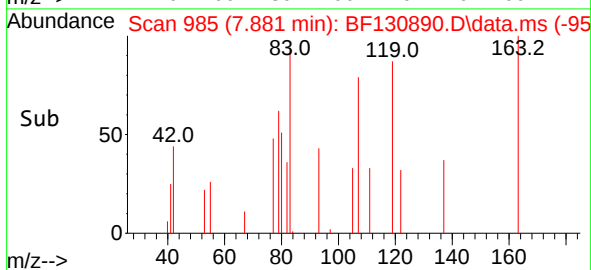
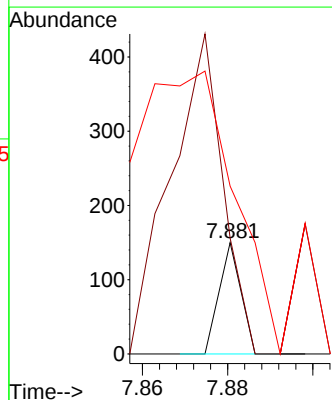
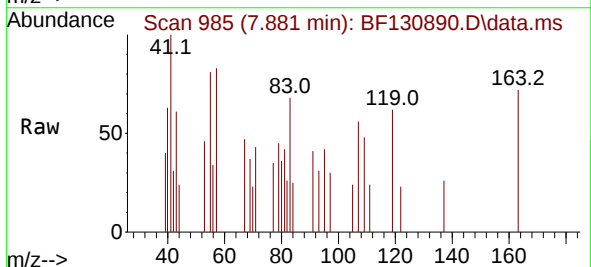
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ClientSampleId :
OR-2-102822

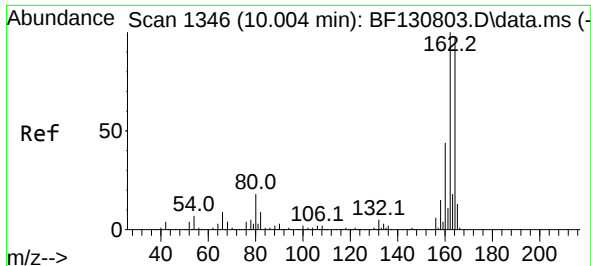
Tgt Ion: 82 Resp: 142869
Ion Ratio Lower Upper
82 100
95 0.1 6.2 9.4#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.698 ng
RT: 7.881 min Scan# 985
Delta R.T. -0.106 min
Lab File: BF130890.D
Acq: 31 Oct 2022 20:58

Tgt Ion: 122 Resp: 53
Ion Ratio Lower Upper
122 100
105 104.0 114.5 154.5#
77 150.7 89.8 129.8#

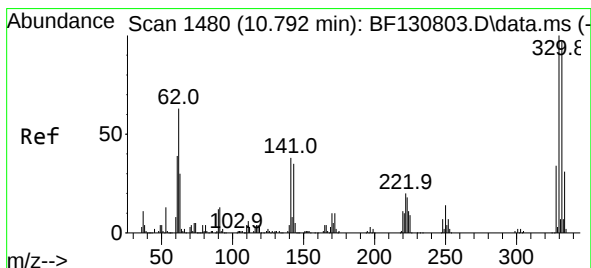
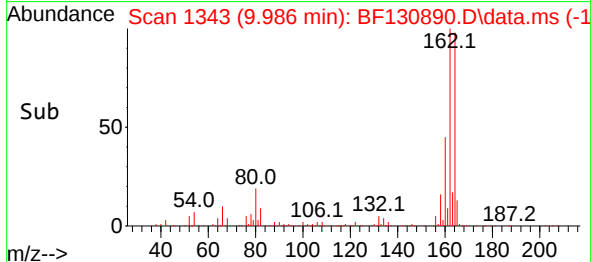
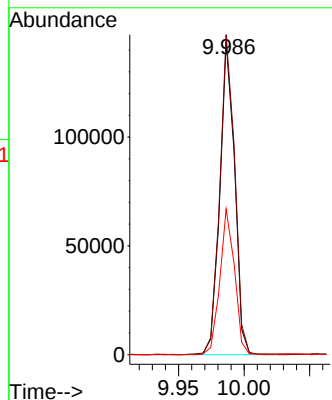
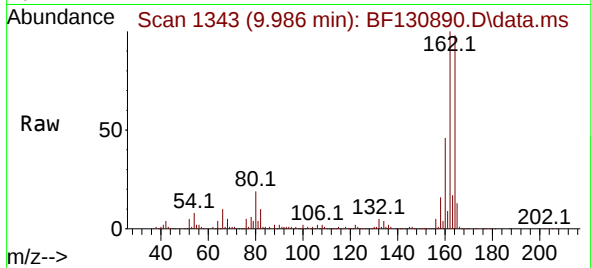




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130890.D
Acq: 31 Oct 2022 20:58

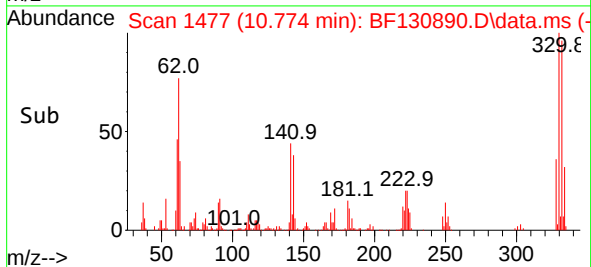
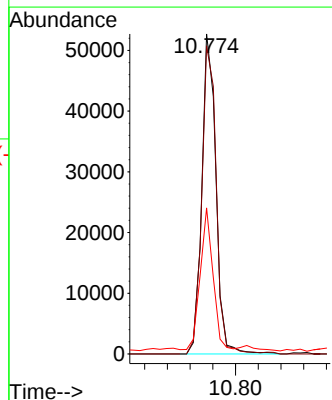
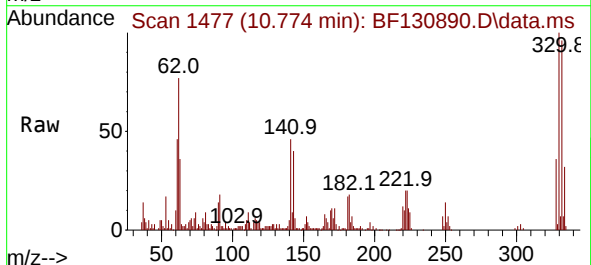
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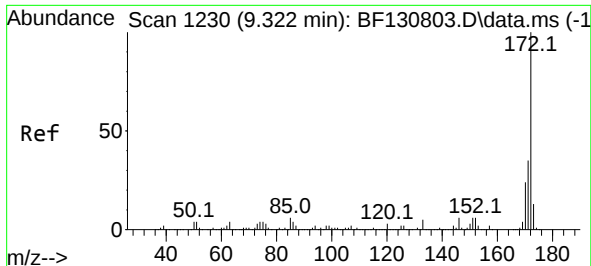
Tgt Ion:164 Resp: 112108
Ion Ratio Lower Upper
164 100
162 102.3 82.2 123.2
160 46.6 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 48.039 ng
RT: 10.774 min Scan# 1477
Delta R.T. -0.012 min
Lab File: BF130890.D
Acq: 31 Oct 2022 20:58

Tgt Ion:330 Resp: 45336
Ion Ratio Lower Upper
330 100
332 99.3 76.2 114.4
141 40.1 31.4 47.0

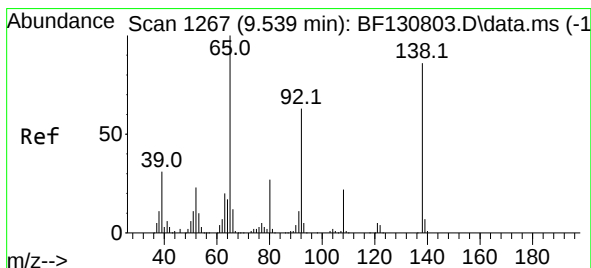
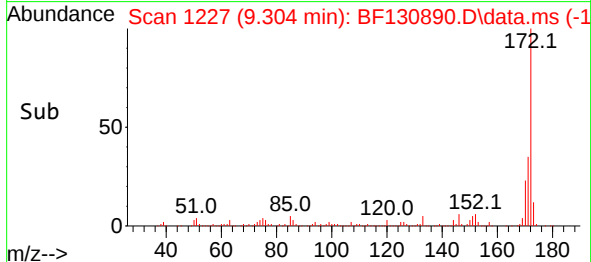
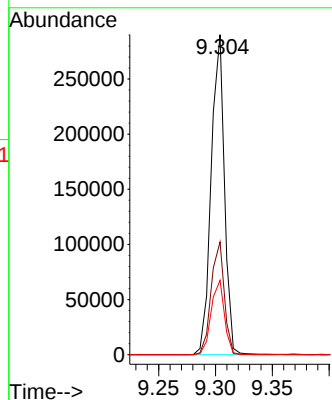
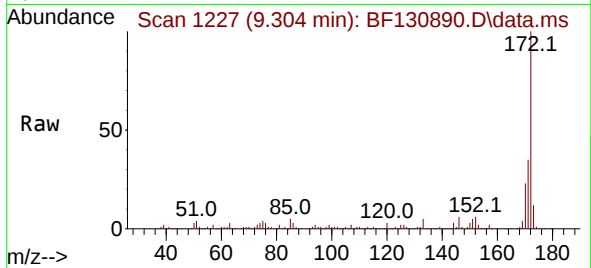




#45
2-Fluorobiphenyl
Concen: 31.697 ng
RT: 9.304 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130890.D
Acq: 31 Oct 2022 20:58

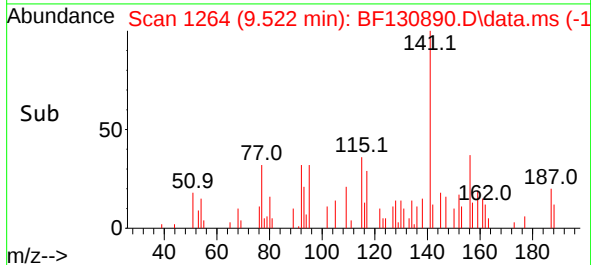
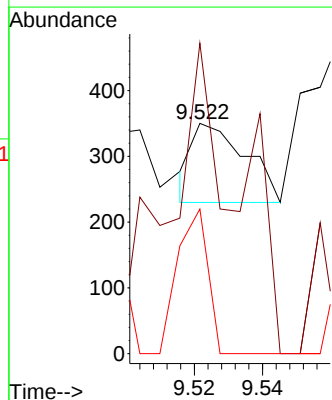
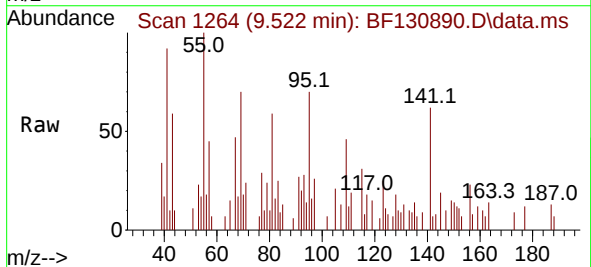
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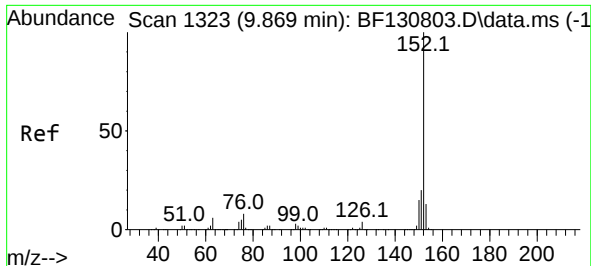
Tgt Ion:172 Resp: 235035
Ion Ratio Lower Upper
172 100
171 35.2 28.1 42.1
170 23.3 19.0 28.4



#48
2-Nitroaniline
Concen: 4.205 ng
RT: 9.522 min Scan# 1264
Delta R.T. -0.012 min
Lab File: BF130890.D
Acq: 31 Oct 2022 20:58

Tgt Ion: 65 Resp: 130
Ion Ratio Lower Upper
65 100
92 134.9 50.1 75.1#
138 62.9 69.2 103.8#





#49

Acenaphthylene

Concen: 7.202 ng

RT: 9.851 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130890.D

Acq: 31 Oct 2022 20:58

Instrument :

BNA_F

ClientSampleId :

OR-2-102822

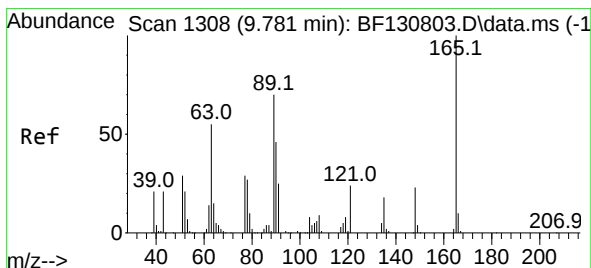
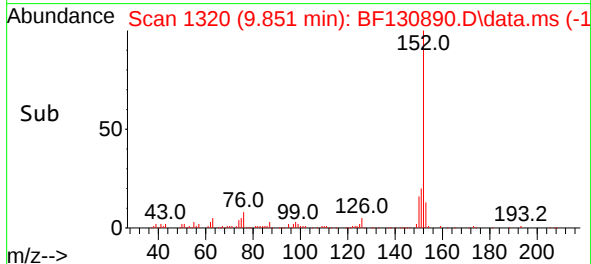
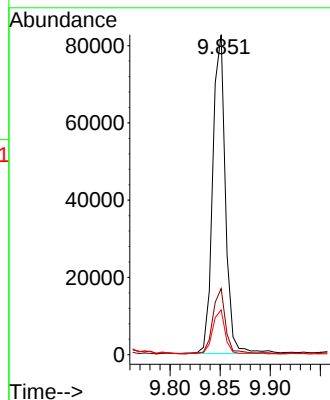
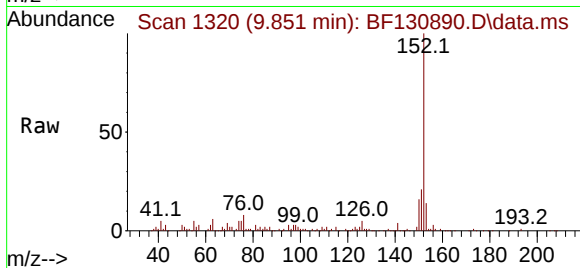
Tgt Ion:152 Resp: 72893

Ion Ratio Lower Upper

152 100

151 20.6 15.8 23.8

153 14.0 10.2 15.4



#51

2,6-Dinitrotoluene

Concen: 3.236 ng

RT: 9.633 min Scan# 1283

Delta R.T. -0.141 min

Lab File: BF130890.D

Acq: 31 Oct 2022 20:58

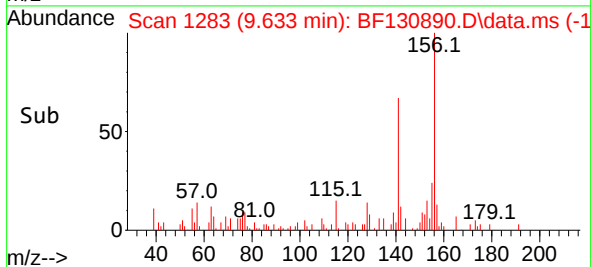
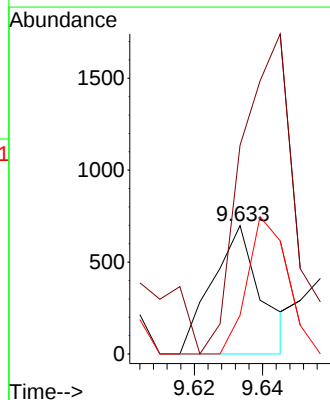
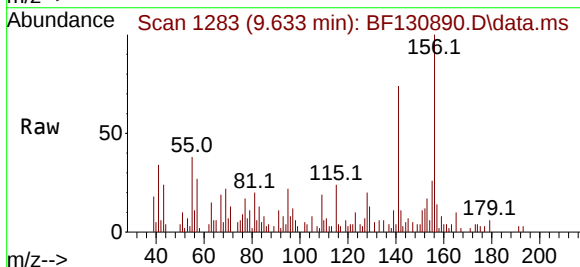
Tgt Ion:165 Resp: 695

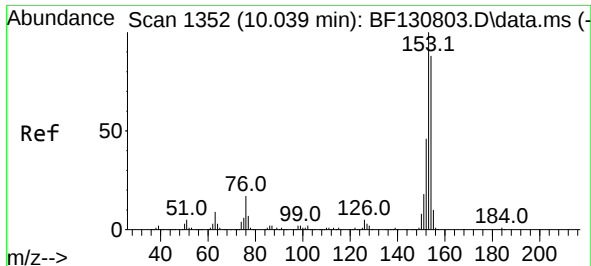
Ion Ratio Lower Upper

165 100

63 162.6 61.8 92.8#

89 30.2 56.2 84.4#

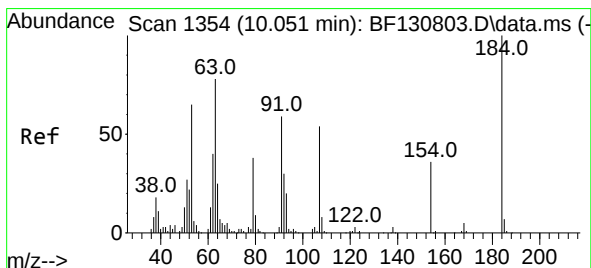
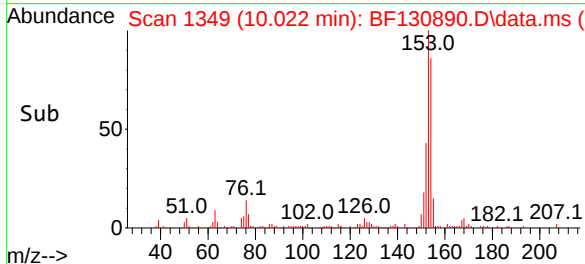
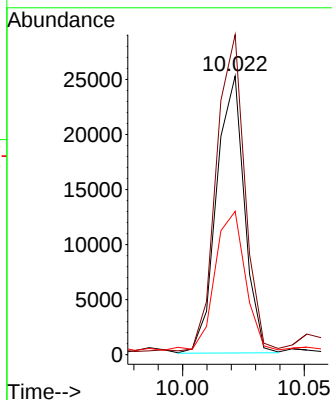
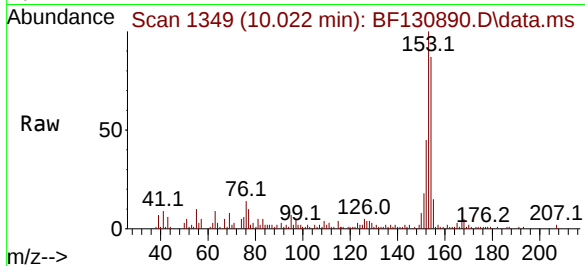




#52
Acenaphthene
Concen: 3.202 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130890.D
Acq: 31 Oct 2022 20:58

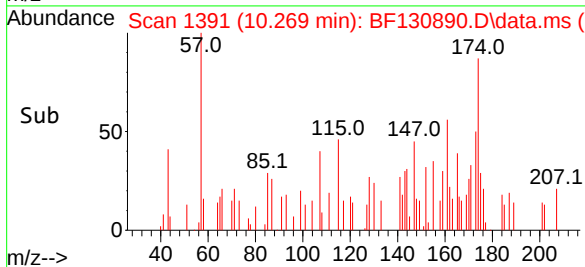
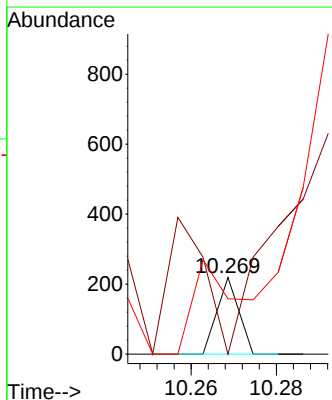
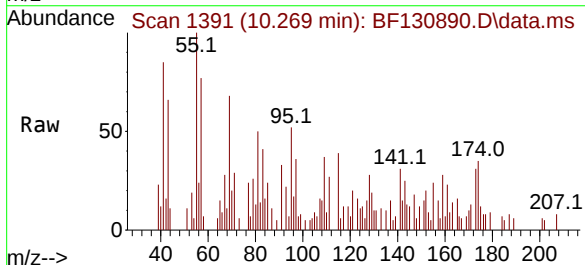
Instrument :
BNA_F
ClientSampleId :
OR-2-102822

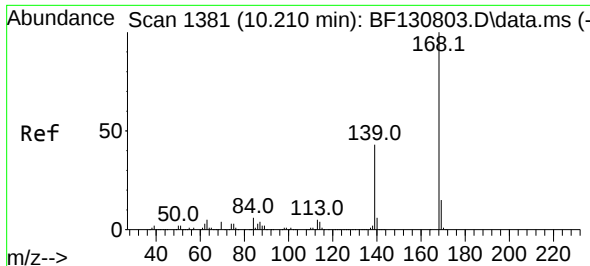
Tgt Ion:154 Resp: 20038
Ion Ratio Lower Upper
154 100
153 114.8 90.5 135.7
152 51.4 42.0 63.0



#54
2,4-Dinitrophenol
Concen: 4.317 ng
RT: 10.269 min Scan# 1391
Delta R.T. 0.223 min
Lab File: BF130890.D
Acq: 31 Oct 2022 20:58

Tgt Ion:184 Resp: 77
Ion Ratio Lower Upper
184 100
63 0.0 66.7 100.1#
154 72.1 62.2 93.2

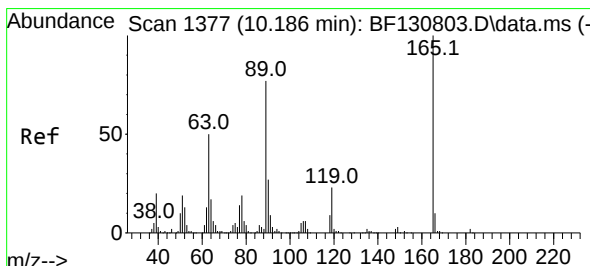
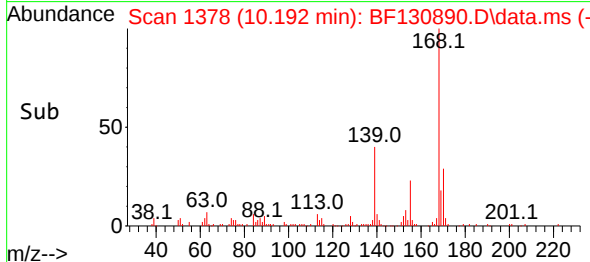
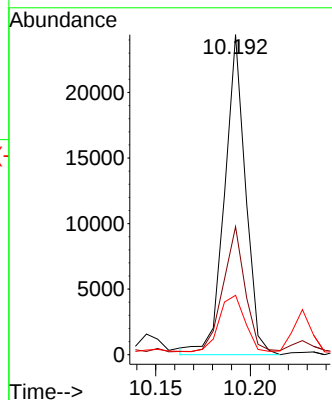
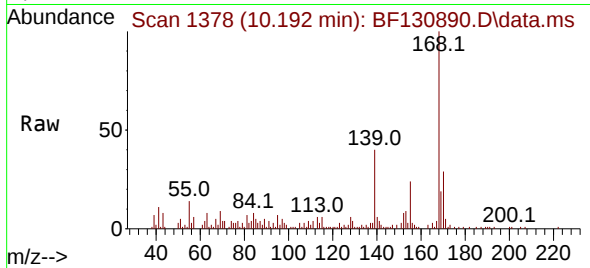




#55
Dibenzenofuran
Concen: 2.068 ng
RT: 10.192 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130890.D
Acq: 31 Oct 2022 20:58

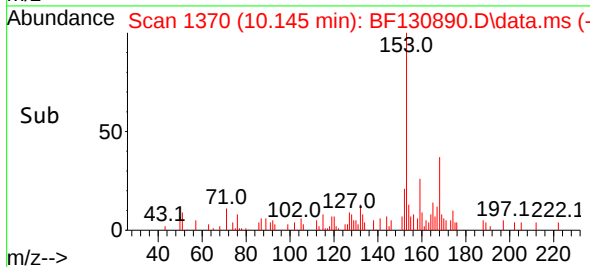
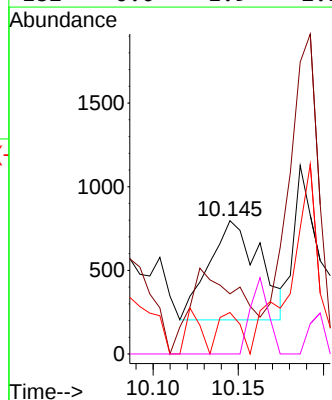
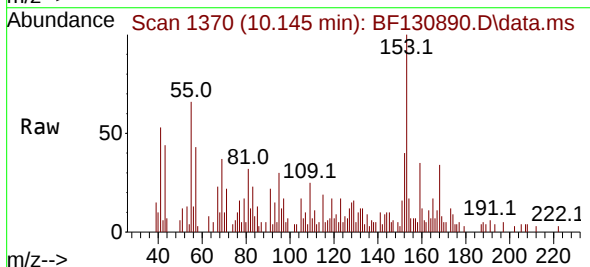
Instrument :
BNA_F
ClientSampleId :
OR-2-102822

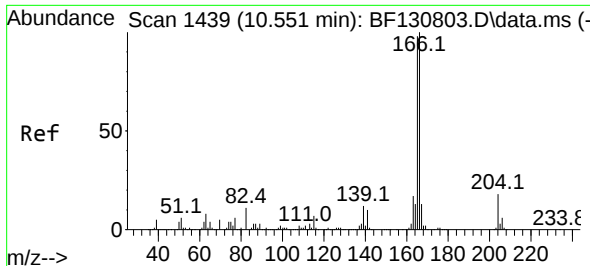
Tgt Ion:168 Resp: 18762
Ion Ratio Lower Upper
168 100
139 40.0 34.3 51.5
169 18.5 11.9 17.9#



#57
2,4-Dinitrotoluene
Concen: 4.323 ng
RT: 10.145 min Scan# 1370
Delta R.T. -0.035 min
Lab File: BF130890.D
Acq: 31 Oct 2022 20:58

Tgt Ion:165 Resp: 1228
Ion Ratio Lower Upper
165 100
63 45.2 39.8 59.6
89 31.1 61.9 92.9#
182 0.0 1.9 2.9#

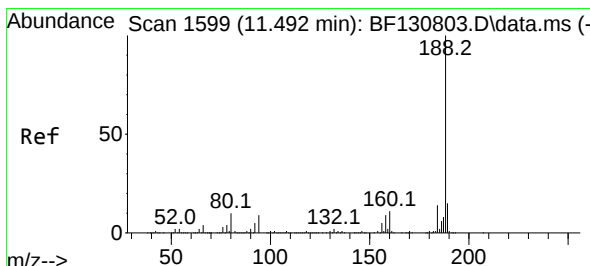
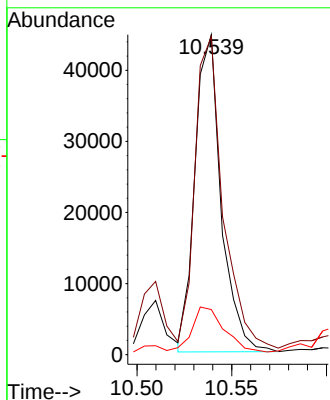
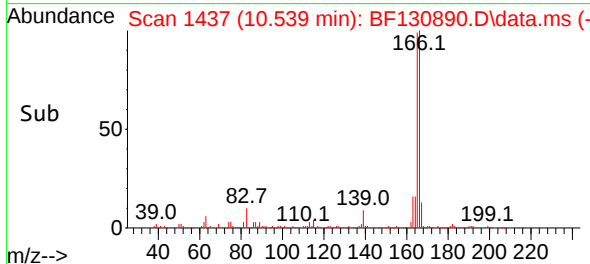
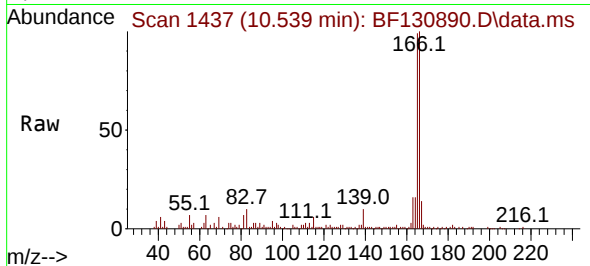




#58
Fluorene
Concen: 6.009 ng
RT: 10.539 min Scan# 1439
Delta R.T. -0.006 min
Lab File: BF130890.D
Acq: 31 Oct 2022 20:58

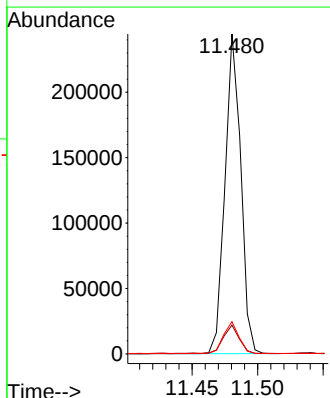
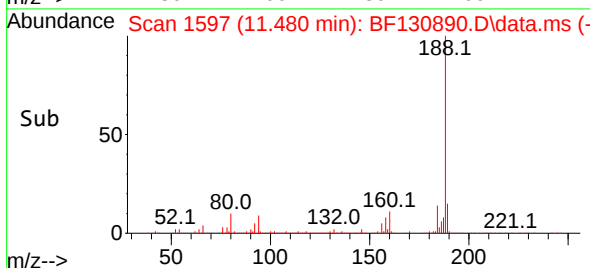
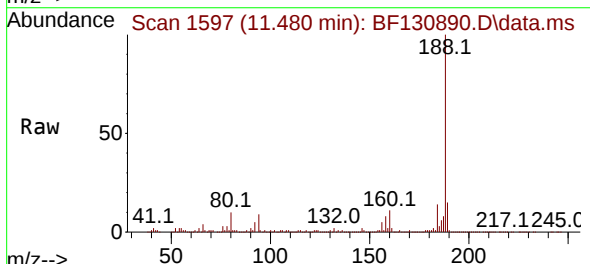
Instrument :
BNA_F
ClientSampleId :
OR-2-102822

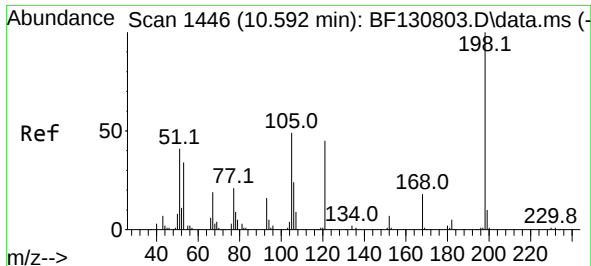
Tgt Ion:166 Resp: 42922
Ion Ratio Lower Upper
166 100
165 99.4 78.1 117.1
167 14.1 10.4 15.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF130890.D
Acq: 31 Oct 2022 20:58

Tgt Ion:188 Resp: 204429
Ion Ratio Lower Upper
188 100
94 9.0 7.4 11.2
80 10.1 8.0 12.0

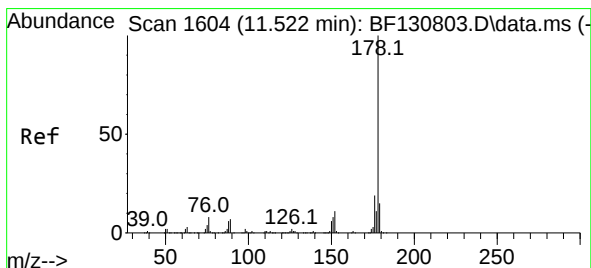
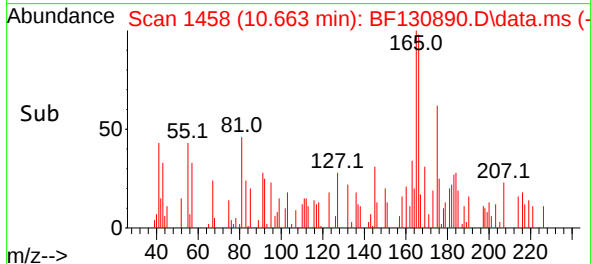
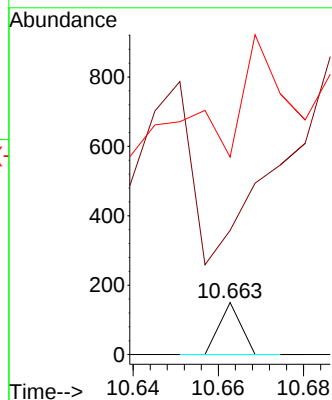
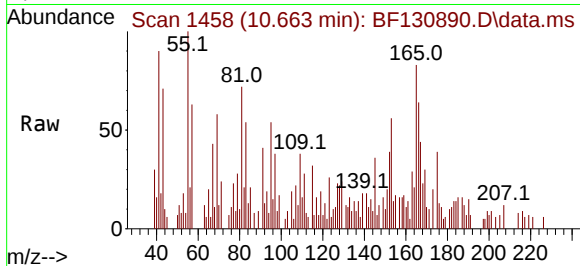




#65
4,6-Dinitro-2-methylphenol
Concen: 7.980 ng
RT: 10.663 min Scan# 14
Delta R.T. 0.076 min
Lab File: BF130890.D
Acq: 31 Oct 2022 20:58

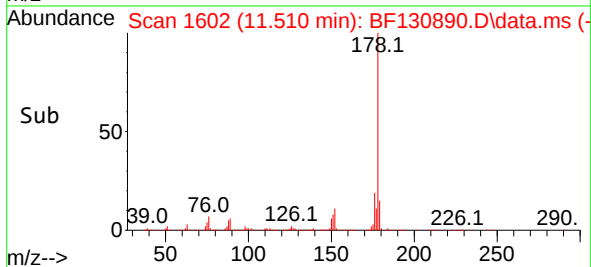
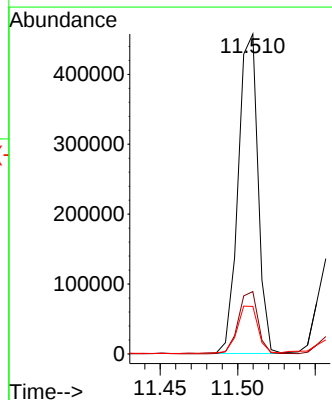
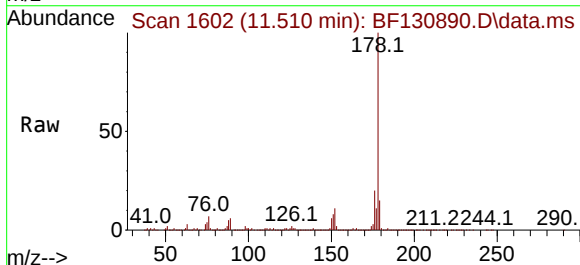
Instrument :
BNA_F
ClientSampleId :
OR-2-102822

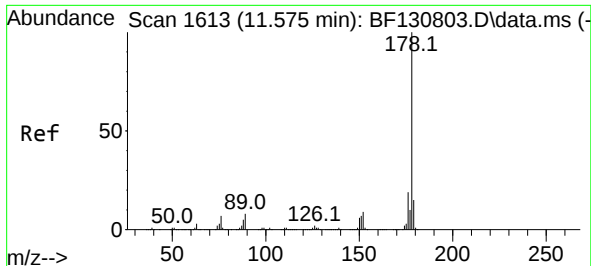
Tgt Ion:198 Resp: 53
Ion Ratio Lower Upper
198 100
51 238.7 39.0 79.0#
105 379.3 30.6 70.6#



#71
Phenanthrene
Concen: 38.533 ng
RT: 11.510 min Scan# 1602
Delta R.T. -0.000 min
Lab File: BF130890.D
Acq: 31 Oct 2022 20:58

Tgt Ion:178 Resp: 406572
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 14.9 12.2 18.2

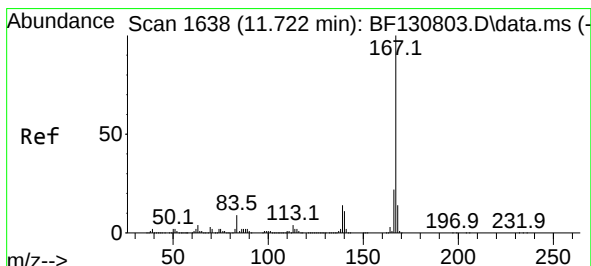
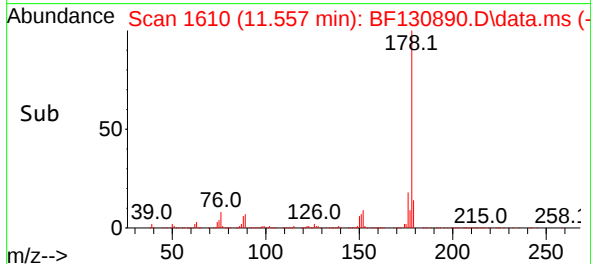
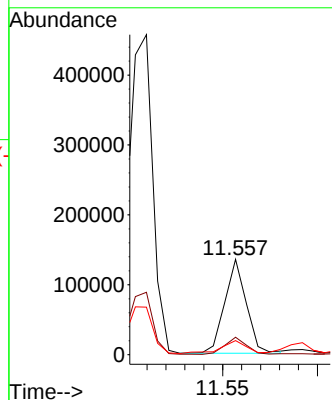
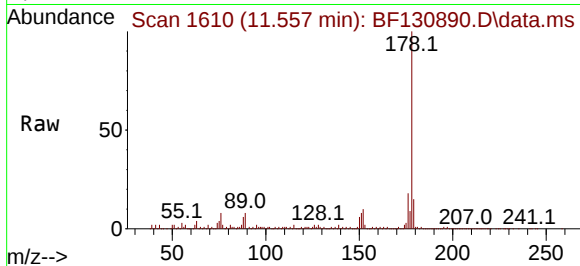




#72
 Anthracene
 Concen: 10.236 ng
 RT: 11.557 min Scan# 1610
 Delta R.T. -0.006 min
 Lab File: BF130890.D
 Acq: 31 Oct 2022 20:58

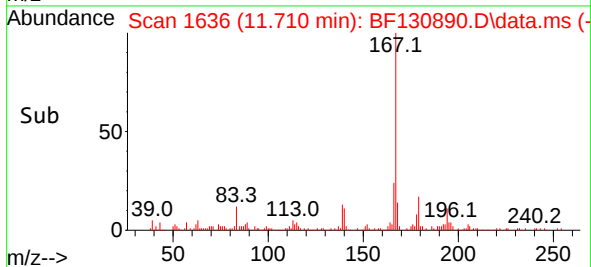
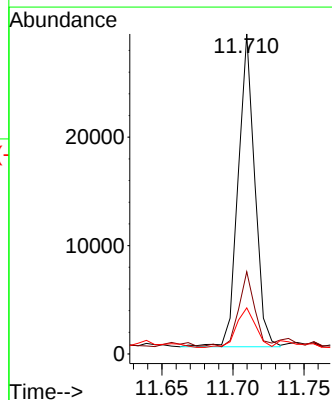
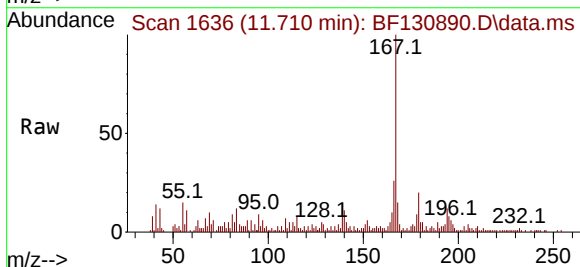
Instrument :
 BNA_F
 ClientSampleId :
 OR-2-102822

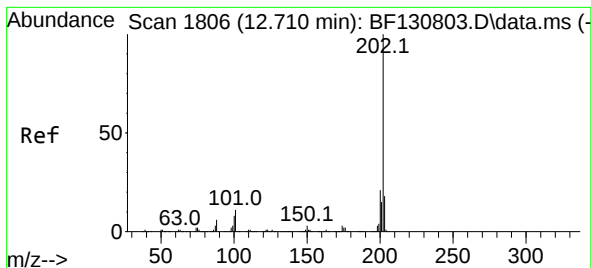
Tgt Ion:178 Resp: 106529
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.4 23.0
 179 14.8 12.2 18.4



#73
 Carbazole
 Concen: 2.526 ng
 RT: 11.710 min Scan# 1636
 Delta R.T. -0.006 min
 Lab File: BF130890.D
 Acq: 31 Oct 2022 20:58

Tgt Ion:167 Resp: 23543
 Ion Ratio Lower Upper
 167 100
 166 25.7 17.4 26.0
 139 14.4 11.3 16.9





#75

Fluoranthene

Concen: 63.693 ng

RT: 12.704 min Scan# 1805

Delta R.T. -0.000 min

Lab File: BF130890.D

Acq: 31 Oct 2022 20:58

Instrument :

BNA_F

ClientSampleId :

OR-2-102822

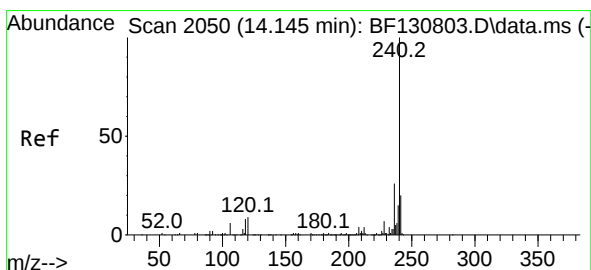
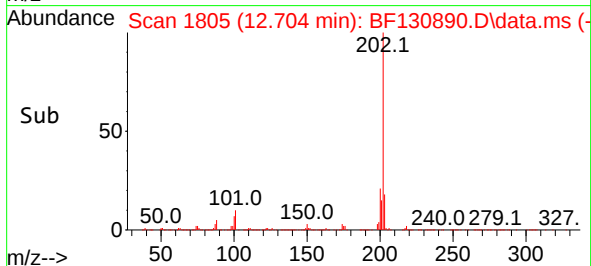
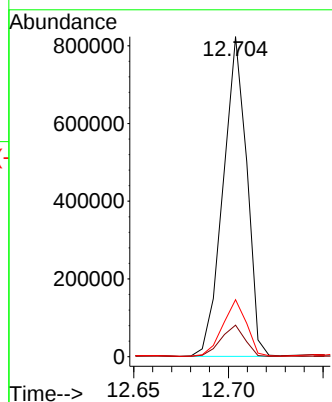
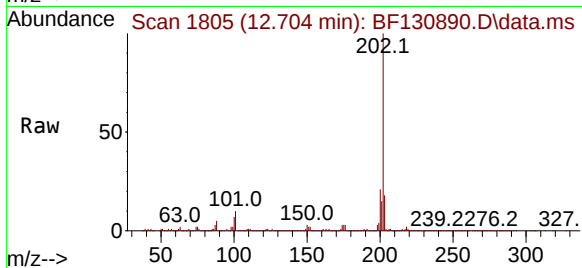
Tgt Ion:202 Resp: 714036

Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.9

203 17.8 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.133 min Scan# 2048

Delta R.T. -0.000 min

Lab File: BF130890.D

Acq: 31 Oct 2022 20:58

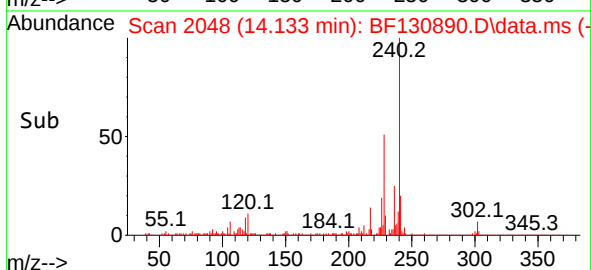
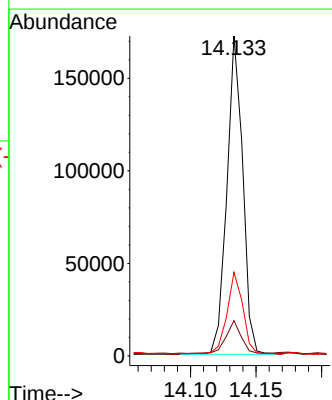
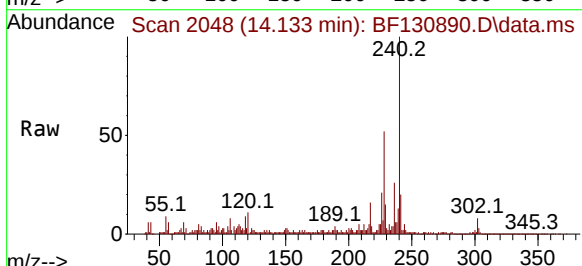
Tgt Ion:240 Resp: 144674

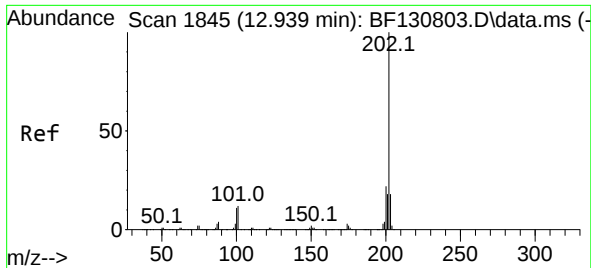
Ion Ratio Lower Upper

240 100

120 11.0 7.0 10.4#

236 26.1 20.5 30.7

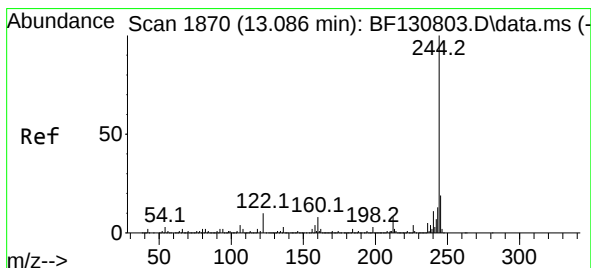
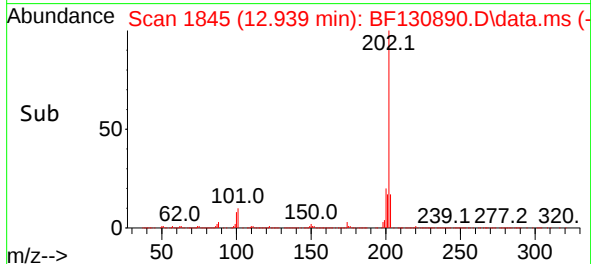
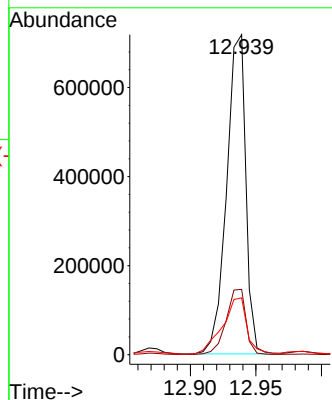
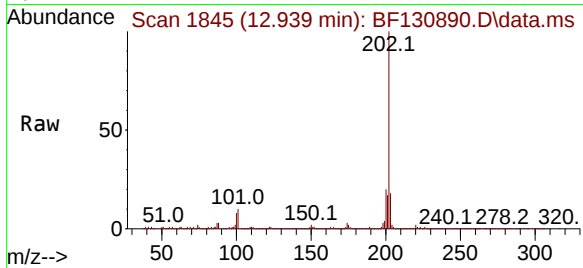




#78
 Pyrene
 Concen: 59.814 ng
 RT: 12.939 min Scan# 1845
 Delta R.T. 0.006 min
 Lab File: BF130890.D
 Acq: 31 Oct 2022 20:58

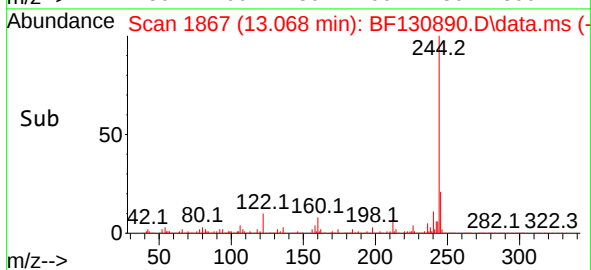
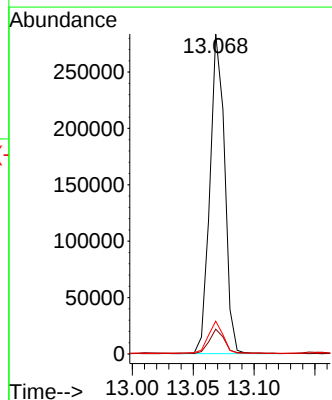
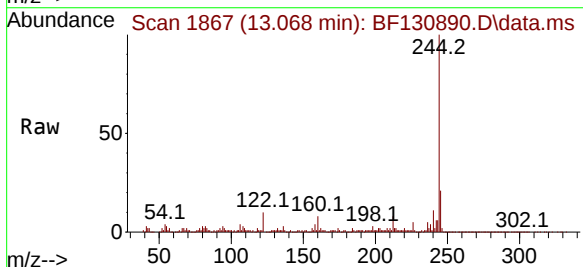
Instrument :
 BNA_F
 ClientSampleId :
 OR-2-102822

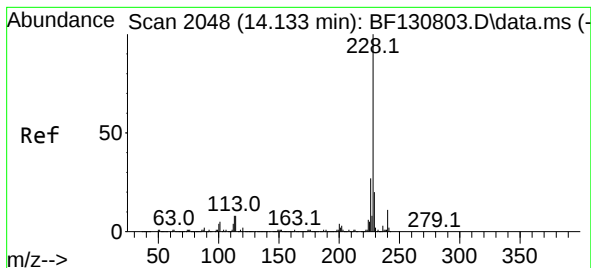
Tgt Ion:202 Resp: 730080
 Ion Ratio Lower Upper
 202 100
 200 20.4 17.2 25.8
 203 17.7 14.5 21.7



#79
 Terphenyl-d14
 Concen: 30.349 ng
 RT: 13.068 min Scan# 1867
 Delta R.T. -0.006 min
 Lab File: BF130890.D
 Acq: 31 Oct 2022 20:58

Tgt Ion:244 Resp: 239607
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.2 9.2
 122 10.2 7.9 11.9





#81

Benzo(a)anthracene

Concen: 31.801 ng

RT: 14.121 min Scan# 2046

Delta R.T. -0.000 min

Lab File: BF130890.D

Acq: 31 Oct 2022 20:58

Instrument :

BNA_F

ClientSampleId :

OR-2-102822

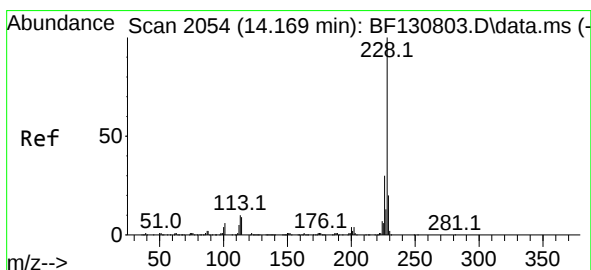
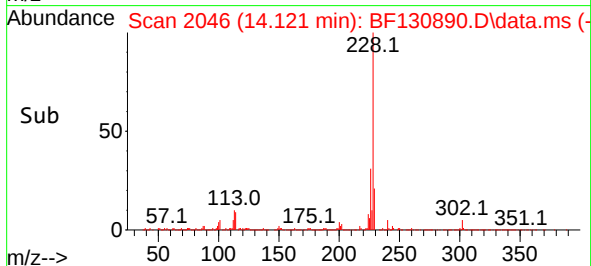
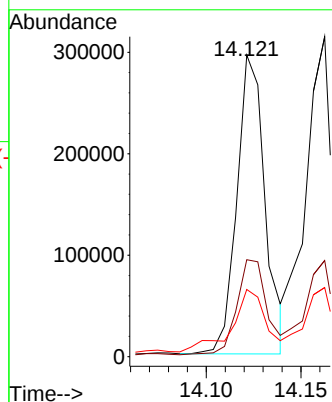
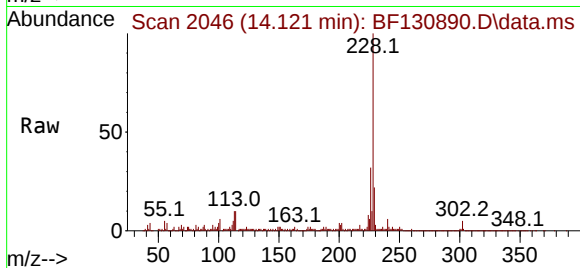
Tgt Ion:228 Resp: 305035

Ion Ratio Lower Upper

228 100

226 32.1 21.4 32.2

229 22.3 15.8 23.6



#83

Chrysene

Concen: 32.749 ng

RT: 14.163 min Scan# 2053

Delta R.T. 0.006 min

Lab File: BF130890.D

Acq: 31 Oct 2022 20:58

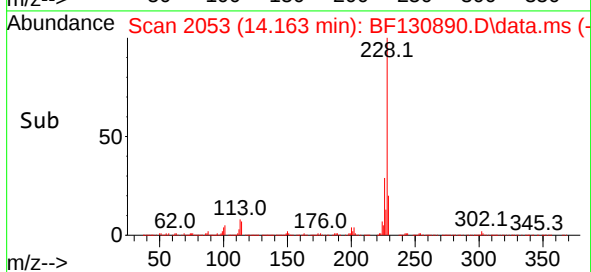
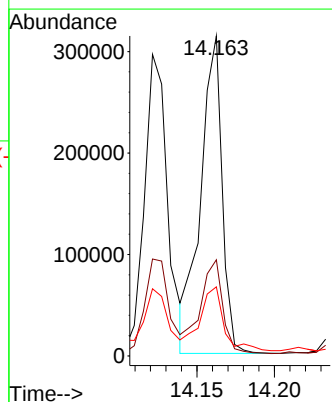
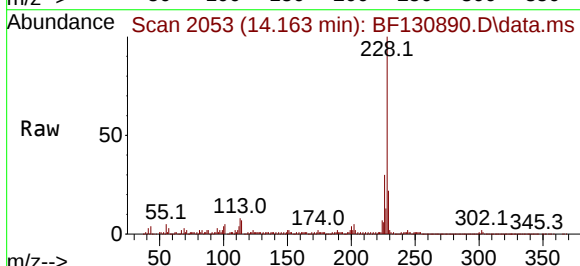
Tgt Ion:228 Resp: 302999

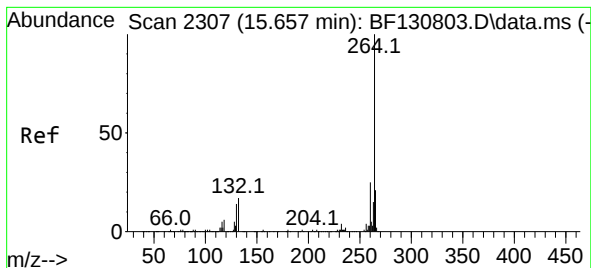
Ion Ratio Lower Upper

228 100

226 30.0 23.9 35.9

229 21.6 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.657 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF130890.D

Acq: 31 Oct 2022 20:58

Instrument :

BNA_F

ClientSampleId :

OR-2-102822

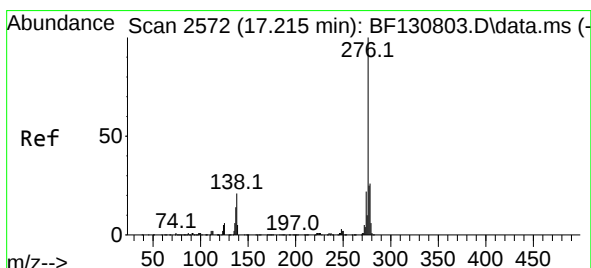
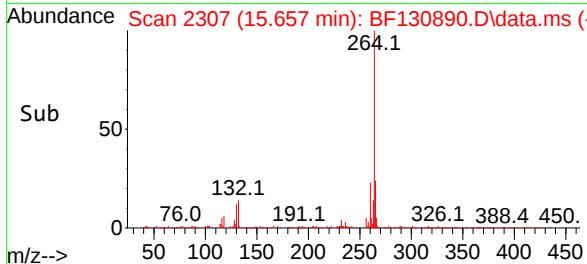
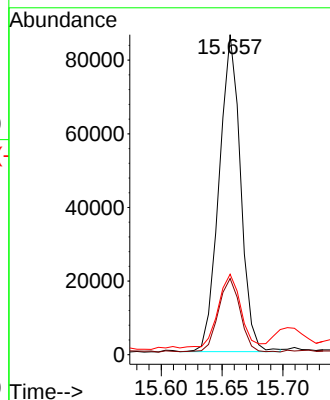
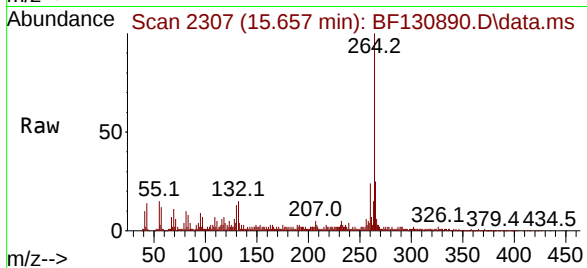
Tgt Ion:264 Resp: 105439

Ion Ratio Lower Upper

264 100

260 23.8 19.9 29.9

265 25.2 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 16.750 ng

RT: 17.203 min Scan# 2570

Delta R.T. 0.012 min

Lab File: BF130890.D

Acq: 31 Oct 2022 20:58

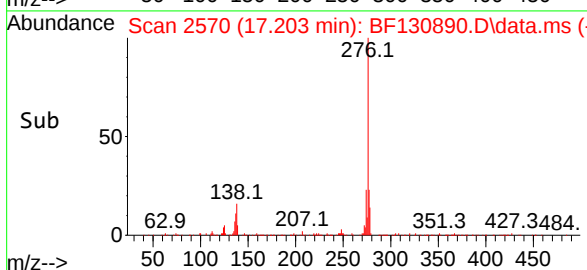
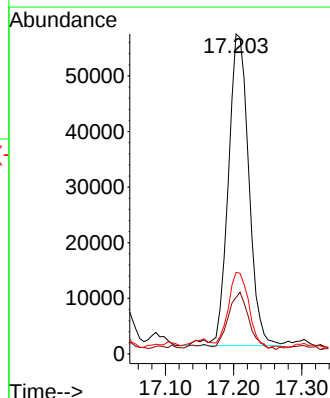
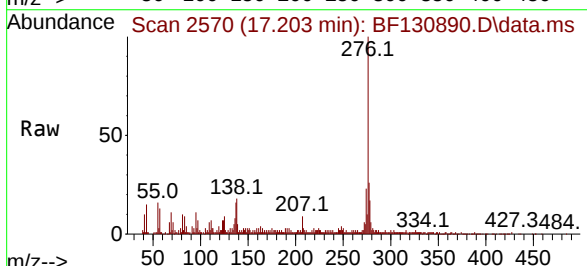
Tgt Ion:276 Resp: 117281

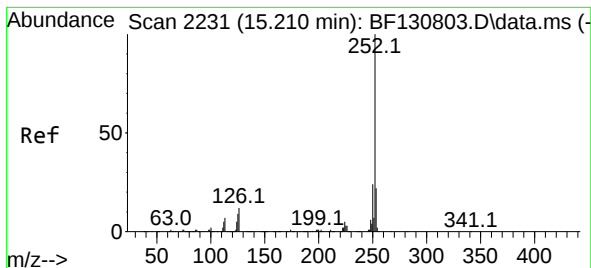
Ion Ratio Lower Upper

276 100

138 18.7 19.1 28.7#

277 23.2 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 57.094 ng

RT: 15.204 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF130890.D

Acq: 31 Oct 2022 20:58

Instrument :

BNA_F

ClientSampleId :

OR-2-102822

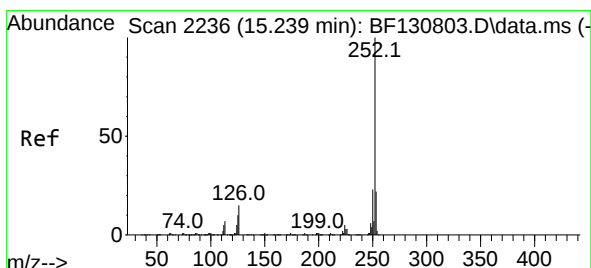
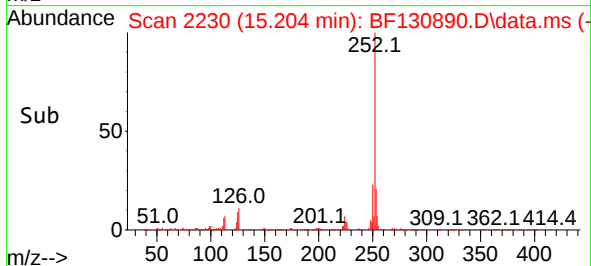
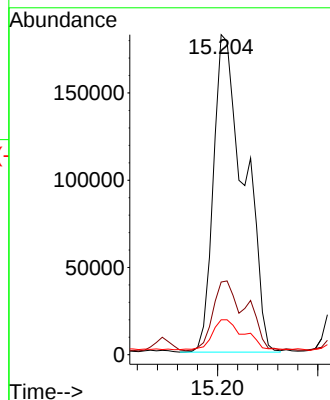
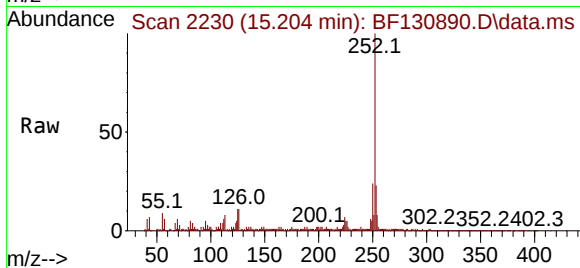
Tgt Ion:252 Resp: 389148

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 10.9 7.0 10.4#



#89

Benzo(k)fluoranthene

Concen: 58.592 ng

RT: 15.204 min Scan# 2230

Delta R.T. -0.024 min

Lab File: BF130890.D

Acq: 31 Oct 2022 20:58

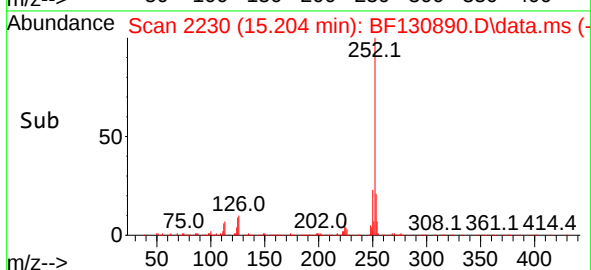
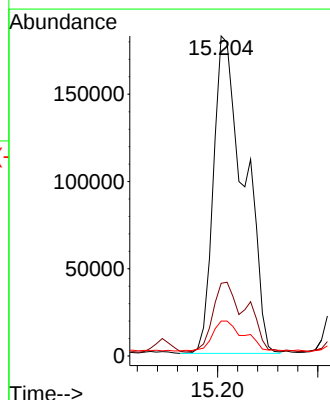
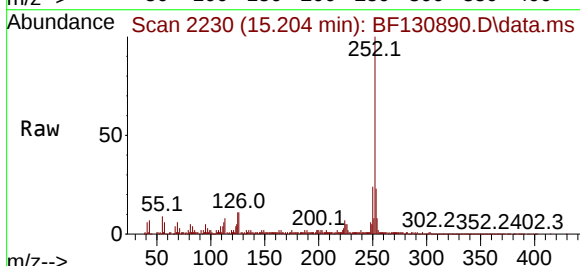
Tgt Ion:252 Resp: 389148

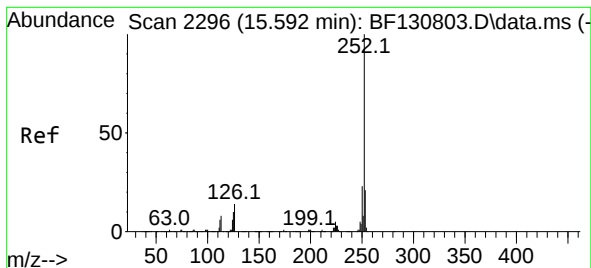
Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 10.9 8.0 12.0





#90

Benzo(a)pyrene

Concen: 38.127 ng

RT: 15.592 min Scan# 2296

Delta R.T. 0.012 min

Lab File: BF130890.D

Acq: 31 Oct 2022 20:58

Instrument :

BNA_F

ClientSampleId :

OR-2-102822

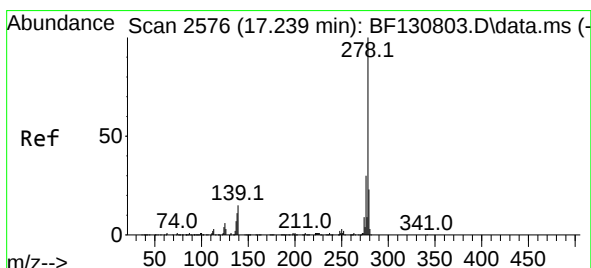
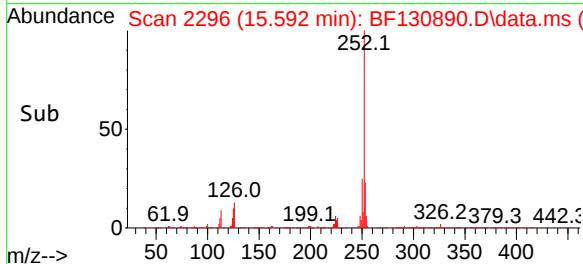
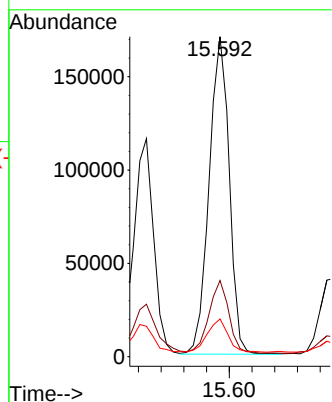
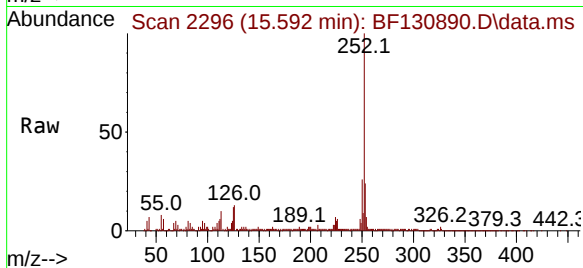
Tgt Ion:252 Resp: 208901

Ion Ratio Lower Upper

252 100

253 23.8 16.8 25.2

125 11.8 8.3 12.5



#91

Dibenzo(a,h)anthracene

Concen: 5.190 ng

RT: 17.227 min Scan# 2574

Delta R.T. 0.012 min

Lab File: BF130890.D

Acq: 31 Oct 2022 20:58

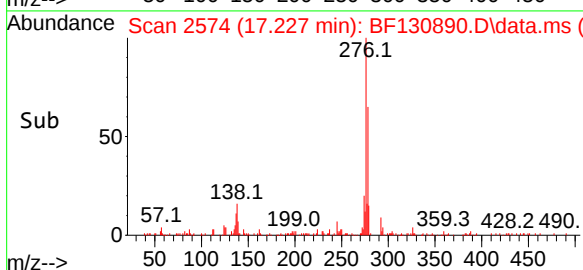
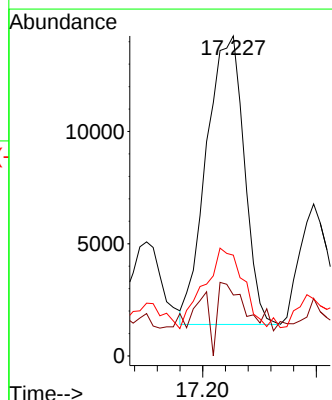
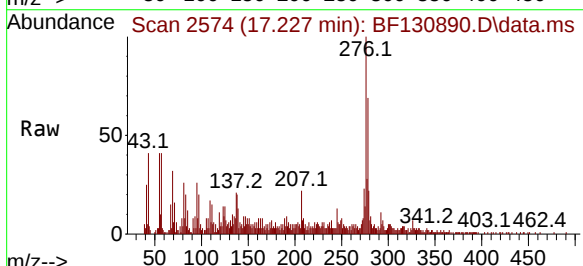
Tgt Ion:278 Resp: 29624

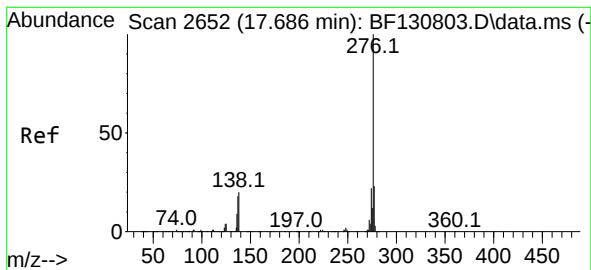
Ion Ratio Lower Upper

278 100

139 19.1 11.9 17.9#

279 31.5 18.6 28.0#





#92

Benzo(g,h,i)perylene

Concen: 19.775 ng

RT: 17.680 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF130890.D

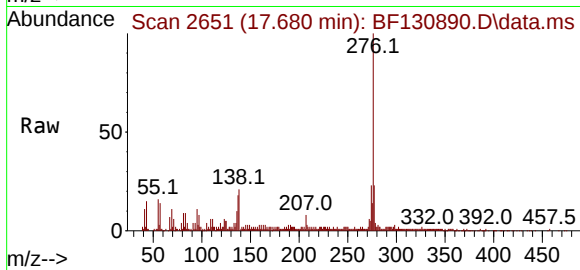
Acq: 31 Oct 2022 20:58

Instrument :

BNA_F

ClientSampleId :

OR-2-102822



Tgt Ion:276 Resp: 115159

Ion Ratio Lower Upper

276 100

277 23.0 18.8 28.2

138 20.9 16.3 24.5

