

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062623\
 Data File : BF133964.D
 Acq On : 26 Jun 2023 21:36
 Operator : CG\JU
 Sample : 03367-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-3-062123

Quant Time: Jun 26 23:31:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 26 23:12:04 2023
 Response via : Initial Calibration

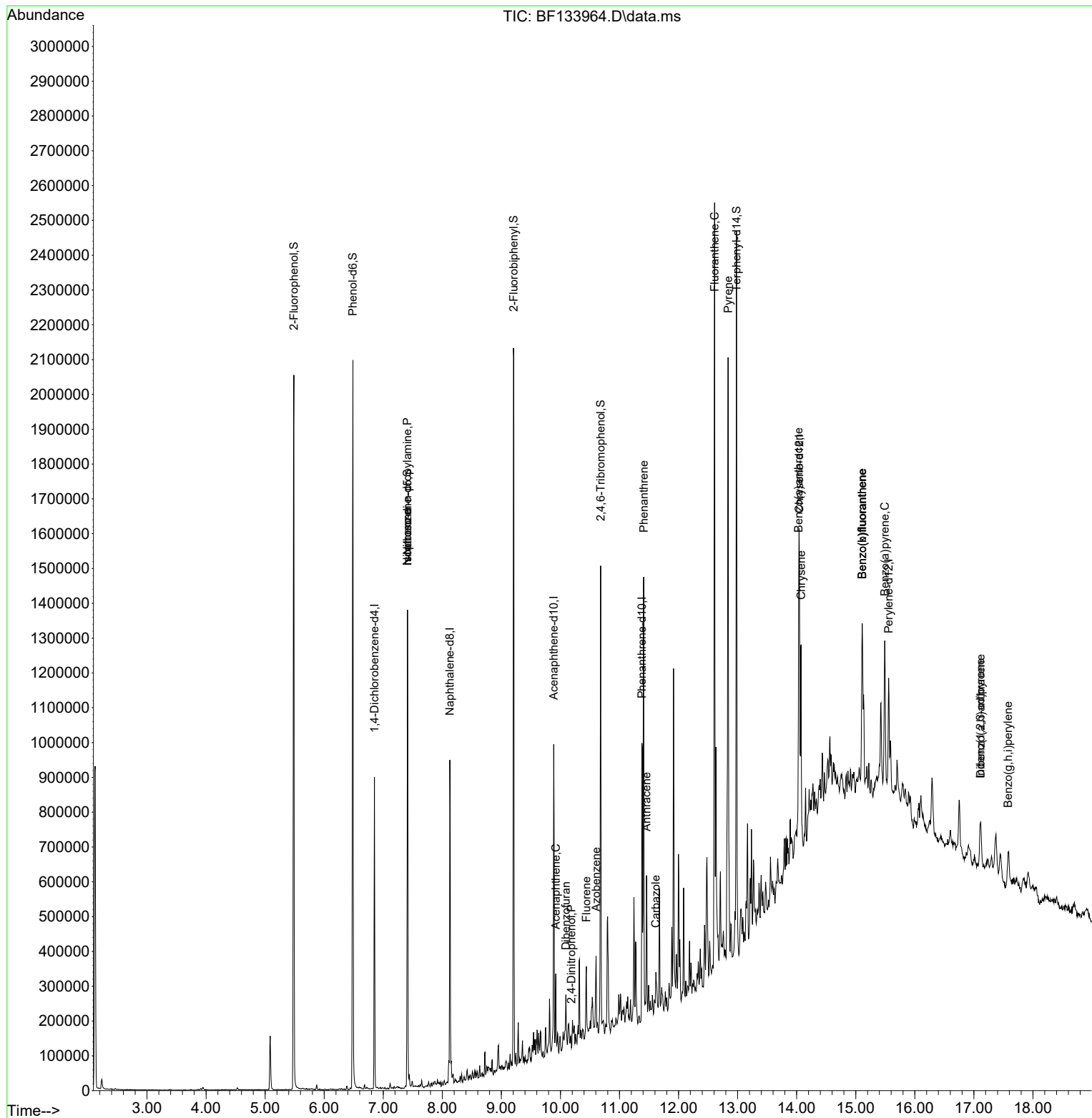
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	115567	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	382370	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	160680	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	312014	20.000	ng	0.00
76) Chrysene-d12	14.045	240	175564	20.000	ng	# 0.00
86) Perylene-d12	15.557	264	147470	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	547742	79.283	ng	0.00
7) Phenol-d6	6.487	99	613503	72.208	ng	0.00
23) Nitrobenzene-d5	7.410	82	390024	54.984	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	143428	71.194	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	643968	58.269	ng	0.00
79) Terphenyl-d14	12.980	244	669324	61.358	ng	0.00
Target Compounds						
9) Benzaldehyde	6.410	77	153	Below Cal		Qvalue # 76
19) n-Nitroso-di-n-propyla...	7.410	70	57304	10.635	ng	# 79
25) Isophorone	7.410	82	388758	30.156	ng	# 64
52) Acenaphthene	9.922	154	38904	4.162	ng	99
54) 2,4-Dinitrophenol	10.186	184	74	3.912	ng	# 43
55) Dibenzofuran	10.092	168	38203	2.615	ng	97
58) Fluorene	10.439	166	58870	5.180	ng	98
63) Azobenzene	10.604	77	35147	3.058	ng	# 1
71) Phenanthrene	11.410	178	448469	28.552	ng	99
72) Anthracene	11.457	178	143589	8.789	ng	98
73) Carbazole	11.616	167	38259	2.558	ng	# 95
75) Fluoranthene	12.610	202	811552	47.792	ng	98
78) Pyrene	12.839	202	737075	45.112	ng	99
81) Benzo(a)anthracene	14.033	228	294489	24.187	ng	97
83) Chrysene	14.074	228	254029	21.541	ng	98
87) Indeno(1,2,3-cd)pyrene	17.109	276	108925	10.645	ng	95
88) Benzo(b)fluoranthene	15.110	252	364853	42.076	ng	# 93
89) Benzo(k)fluoranthene	15.110	252	364853	41.325	ng	# 92
90) Benzo(a)pyrene	15.492	252	199880	23.838	ng	94
91) Dibenzo(a,h)anthracene	17.115	278	26728	3.198	ng	# 71
92) Benzo(g,h,i)perylene	17.580	276	108178	12.551	ng	99

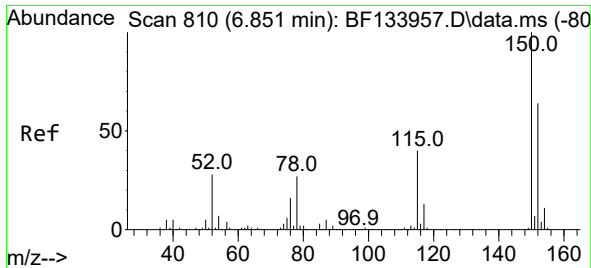
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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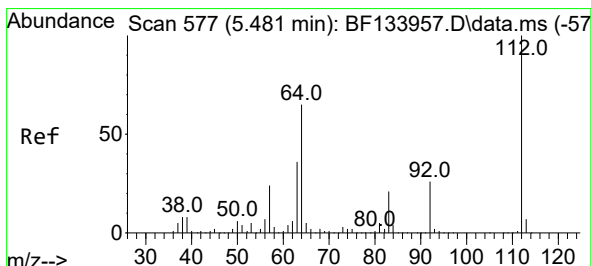
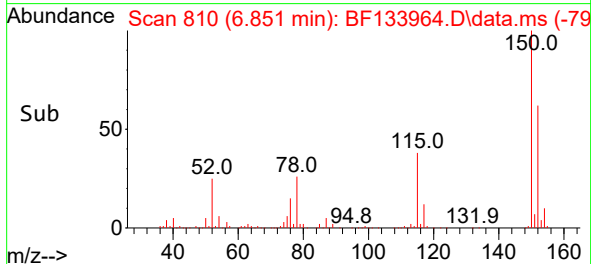
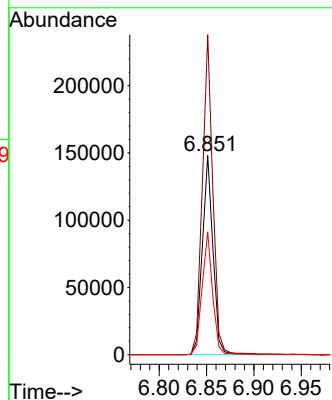
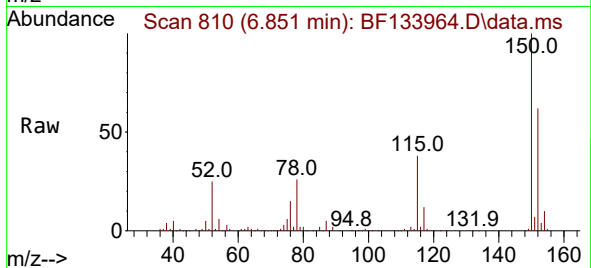




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

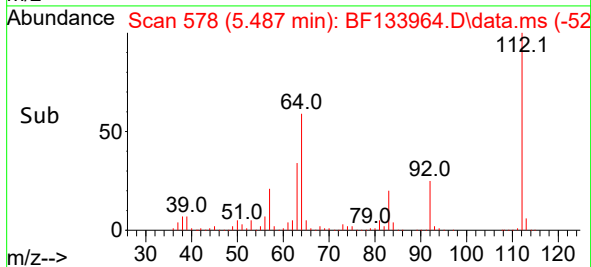
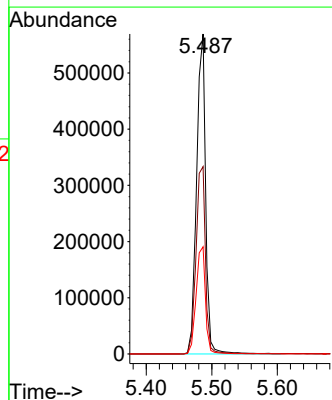
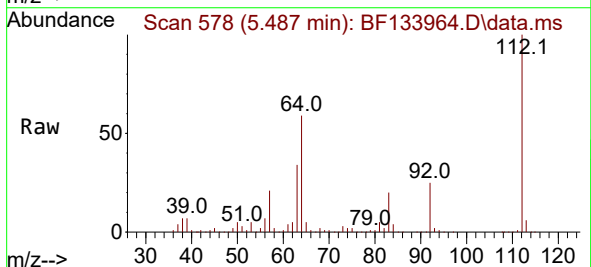
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ClientSampleId :
EO-3-062123

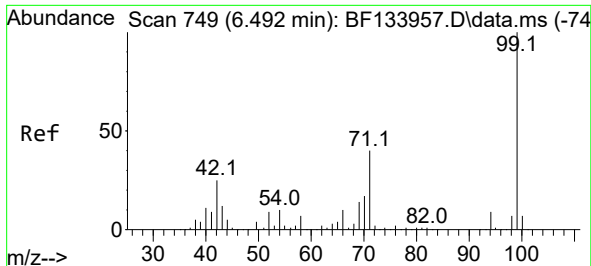
Tgt Ion:152 Resp: 115567
Ion Ratio Lower Upper
152 100
150 160.6 124.5 186.7
115 61.6 50.2 75.2



#5
2-Fluorophenol
Concen: 79.283 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

Tgt Ion:112 Resp: 547742
Ion Ratio Lower Upper
112 100
64 58.5 52.1 78.1
63 33.5 28.6 42.8

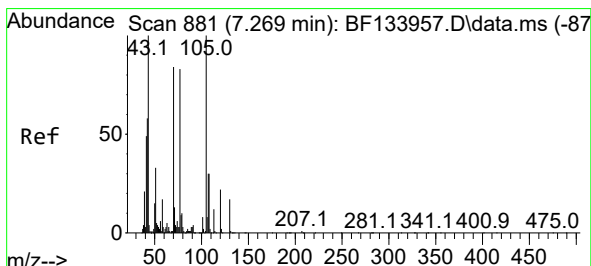
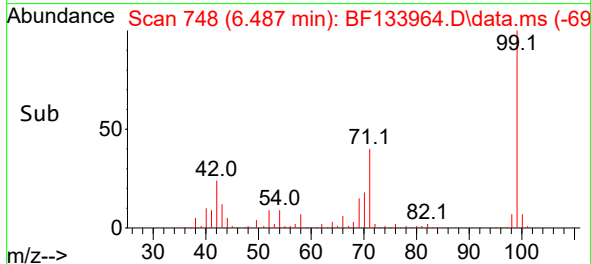
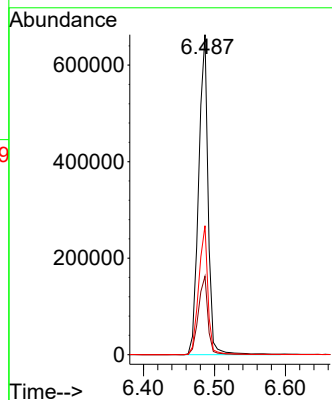
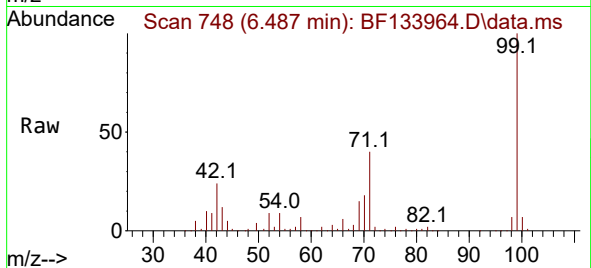




#7
Phenol-d6
Concen: 72.208 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

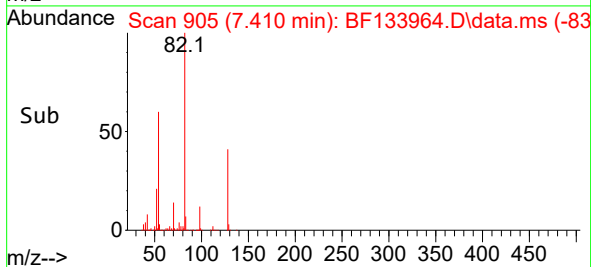
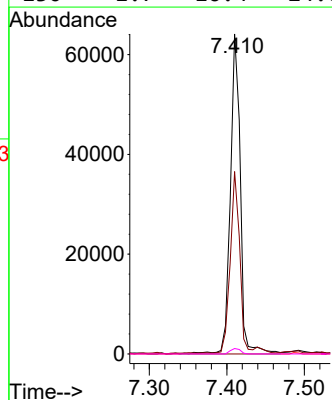
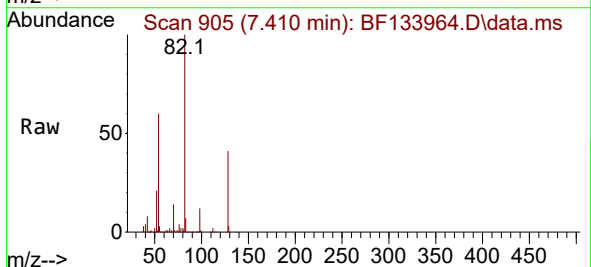
Instrument :
BNA_F
ClientSampleId :
EO-3-062123

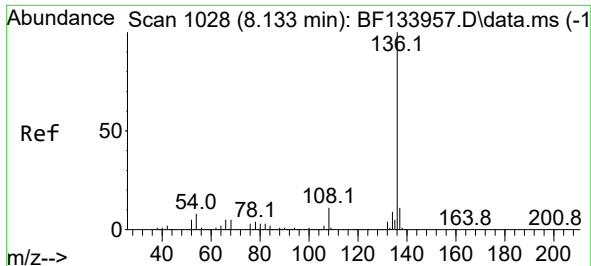
Tgt Ion: 99 Resp: 613503
Ion Ratio Lower Upper
99 100
42 24.5 19.8 29.6
71 40.3 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 10.635 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

Tgt Ion: 70 Resp: 57304
Ion Ratio Lower Upper
70 100
42 57.0 54.7 82.1
101 0.0 7.7 11.5#
130 1.7 16.4 24.6#



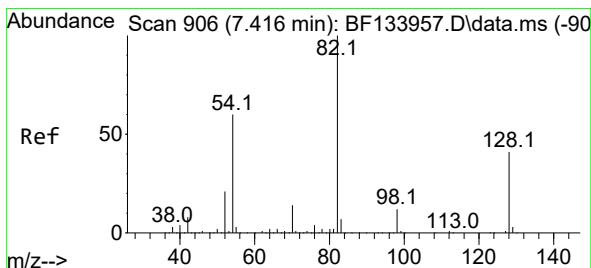
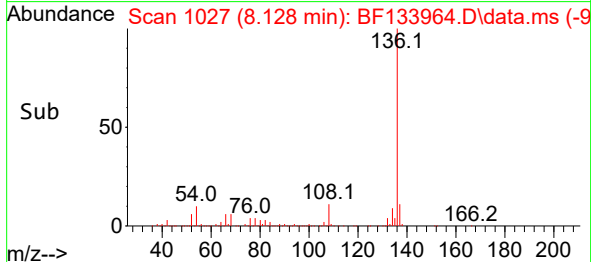
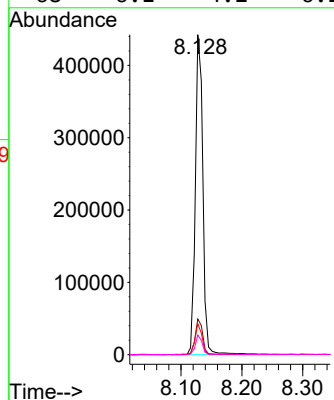
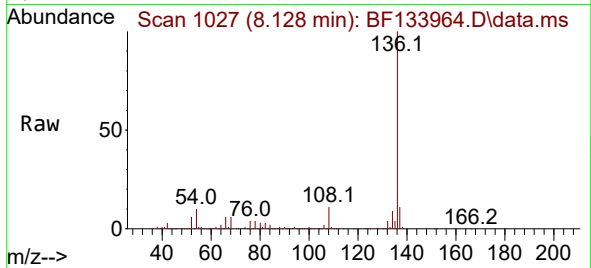


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

Instrument :
BNA_F
ClientSampleId :
EO-3-062123

Tgt Ion:136 Resp: 382370

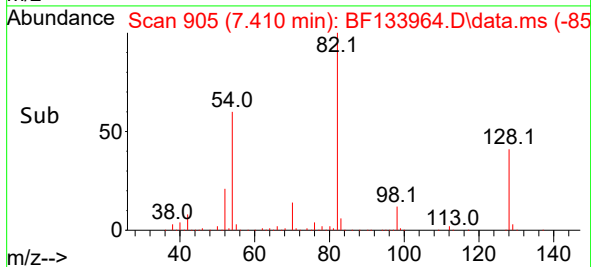
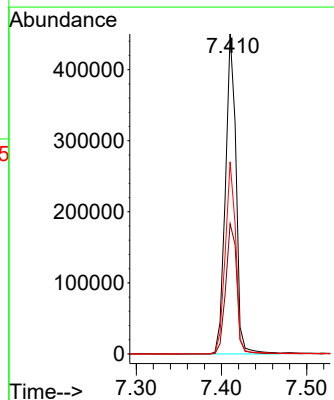
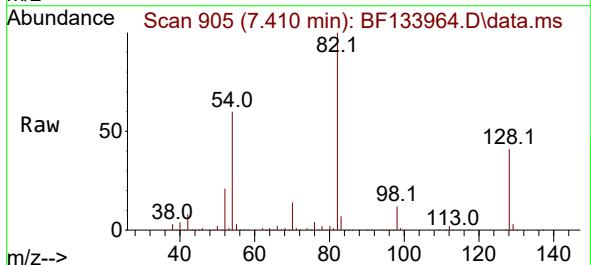
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	9.7	6.5	9.7
68	6.1	4.2	6.2

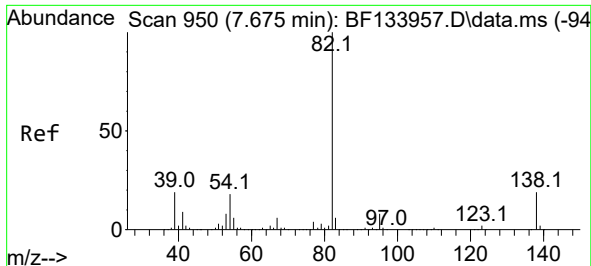


#23
Nitrobenzene-d5
Concen: 54.984 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

Tgt Ion: 82 Resp: 390024

Ion	Ratio	Lower	Upper
82	100		
128	40.7	32.5	48.7
54	60.0	48.2	72.2

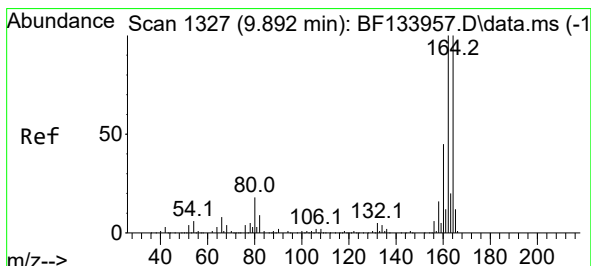
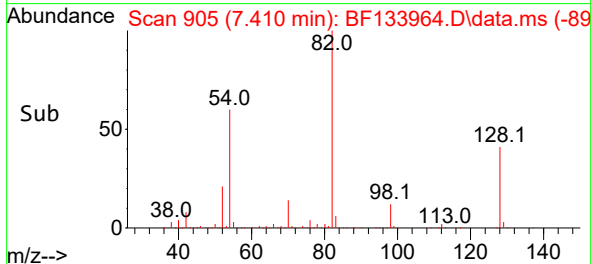
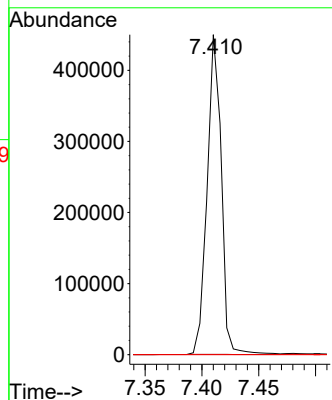
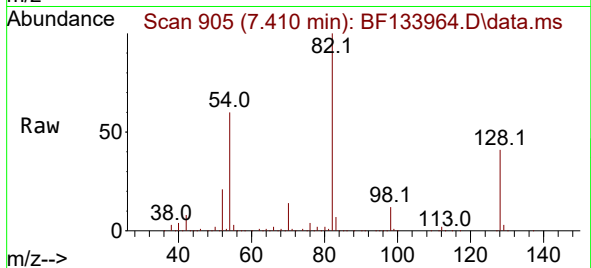




#25
Isophorone
Concen: 30.156 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

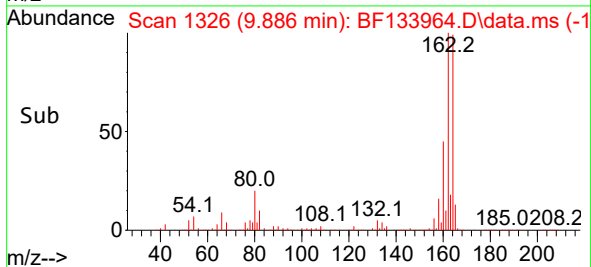
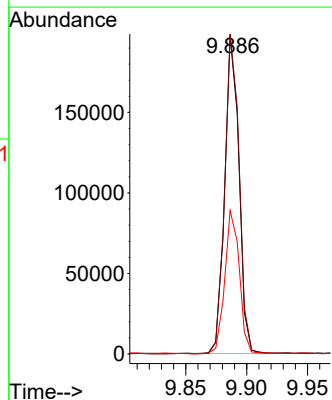
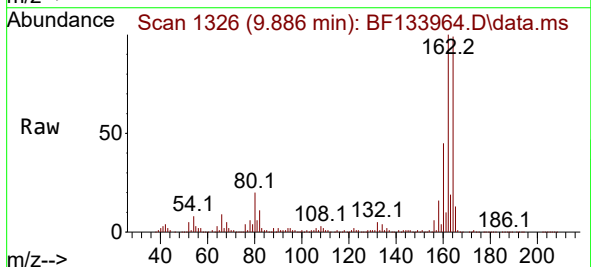
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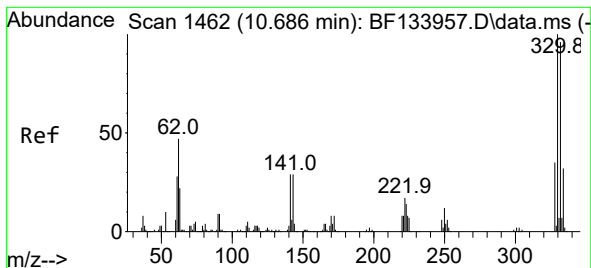
Tgt Ion: 82 Resp: 388758
Ion Ratio Lower Upper
82 100
95 0.1 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

Tgt Ion:164 Resp: 160680
Ion Ratio Lower Upper
164 100
162 100.6 80.0 120.0
160 45.1 35.9 53.9

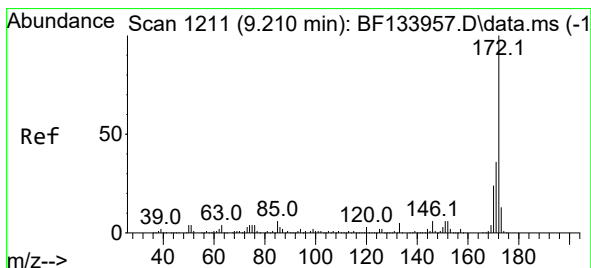
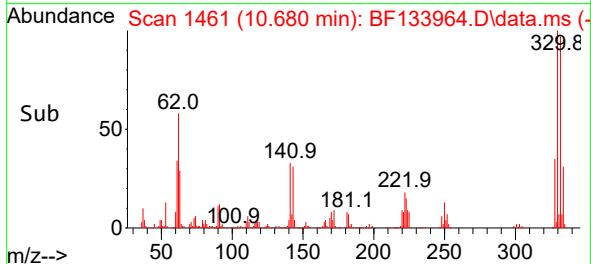
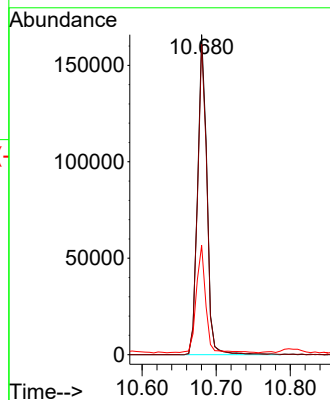
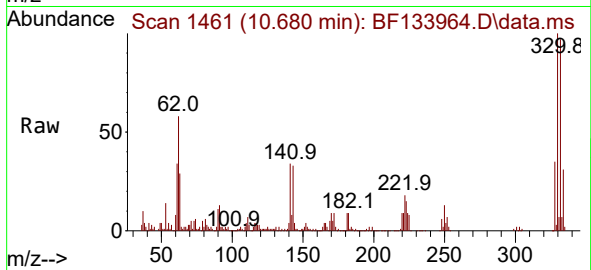




#42
2,4,6-Tribromophenol
Concen: 71.194 ng
RT: 10.680 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

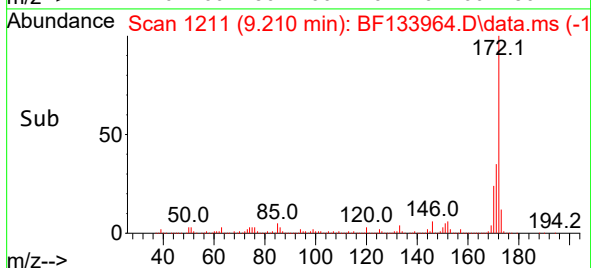
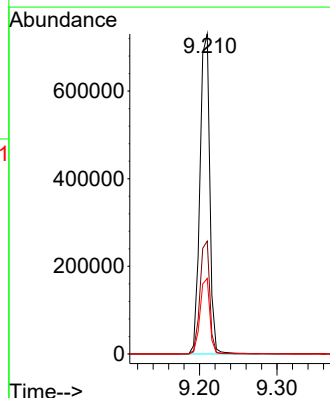
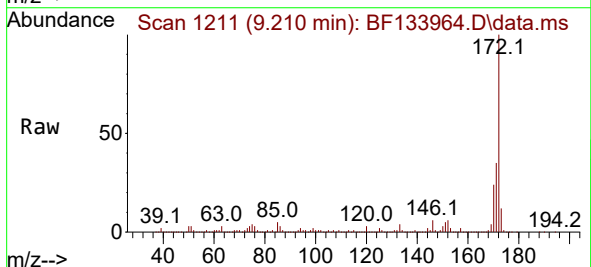
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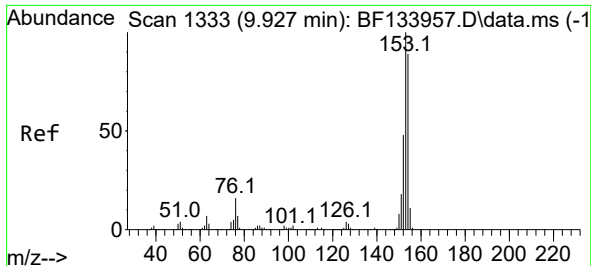
Tgt Ion:330 Resp: 143428
Ion Ratio Lower Upper
330 100
332 96.9 77.0 115.6
141 34.6 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 58.269 ng
RT: 9.210 min Scan# 1211
Delta R.T. 0.000 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

Tgt Ion:172 Resp: 643968
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 23.6 19.4 29.0

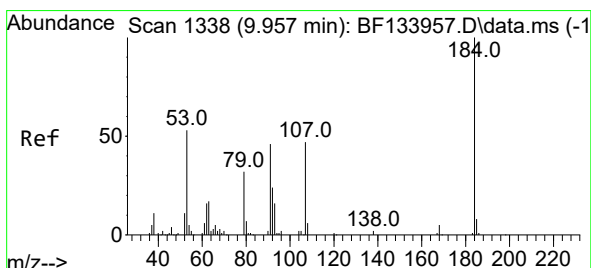
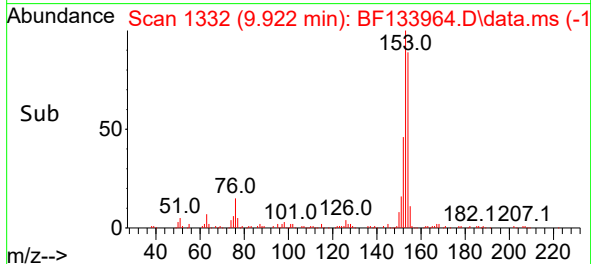
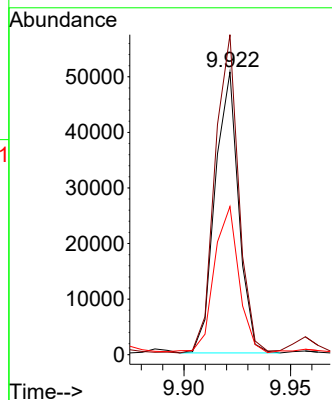
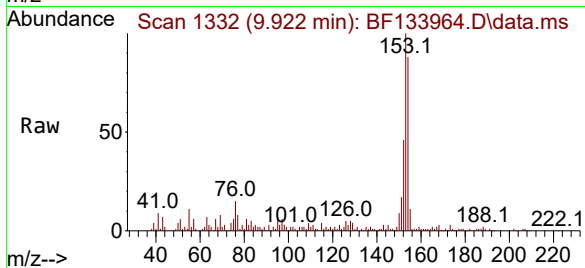




#52
Acenaphthene
Concen: 4.162 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

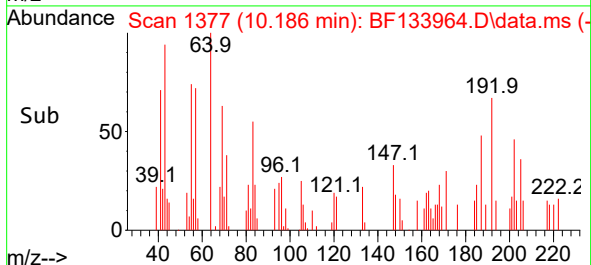
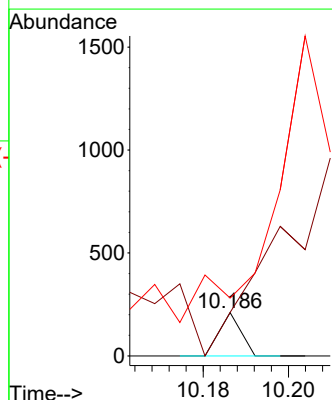
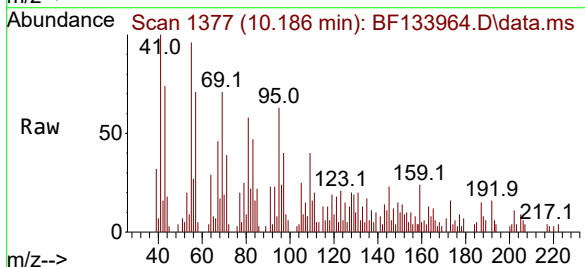
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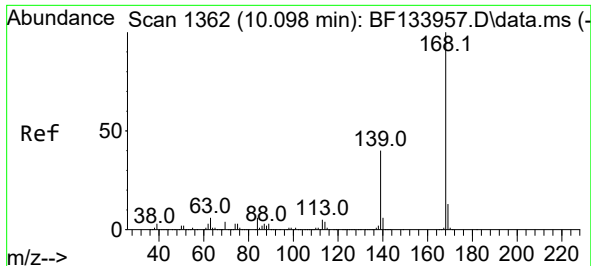
Tgt Ion:154 Resp: 38904
Ion Ratio Lower Upper
154 100
153 113.2 89.4 134.2
152 52.4 42.8 64.2



#54
2,4-Dinitrophenol
Concen: 3.912 ng
RT: 10.186 min Scan# 1377
Delta R.T. 0.229 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

Tgt Ion:184 Resp: 74
Ion Ratio Lower Upper
184 100
63 100.5 56.9 85.3#
154 133.8 55.4 83.0#

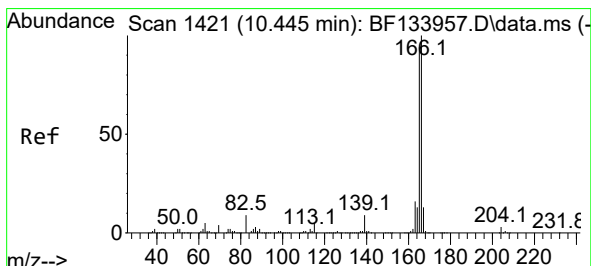
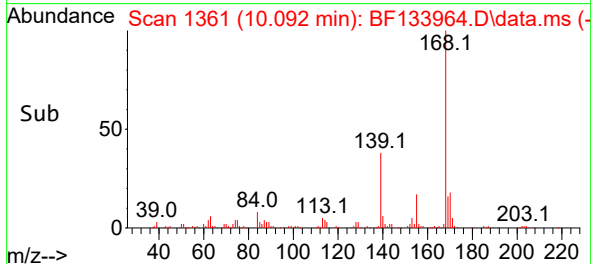
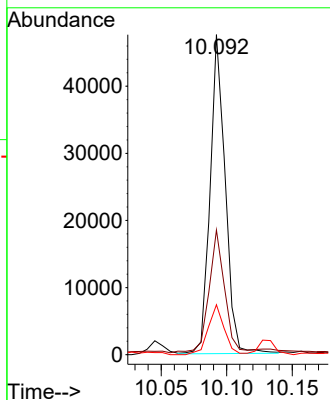
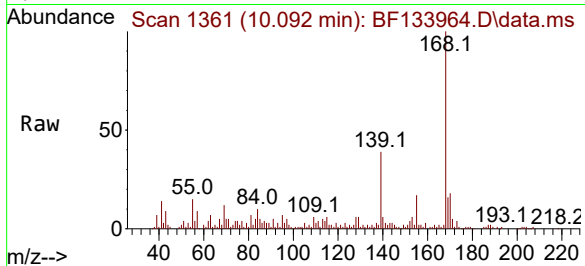




#55
Dibenzenofuran
Concen: 2.615 ng
RT: 10.092 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

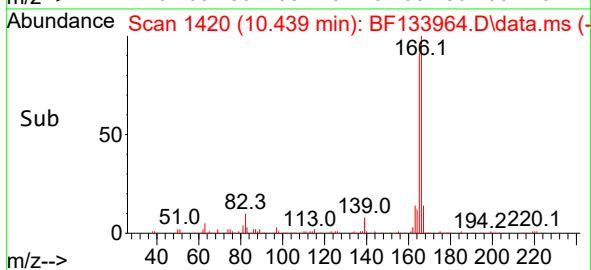
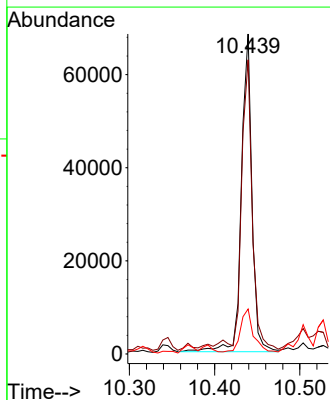
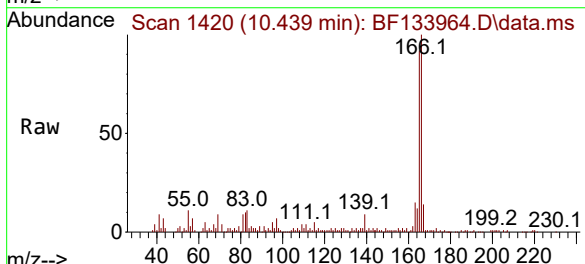
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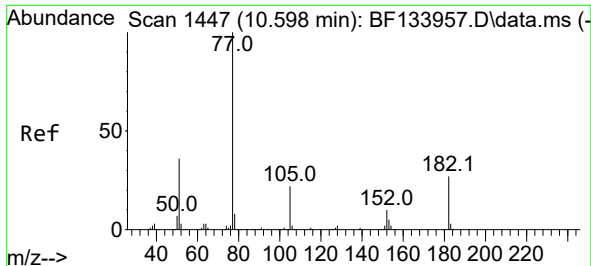
Tgt Ion:168 Resp: 38203
Ion Ratio Lower Upper
168 100
139 39.0 32.0 48.0
169 15.6 10.6 16.0



#58
Fluorene
Concen: 5.180 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

Tgt Ion:166 Resp: 58870
Ion Ratio Lower Upper
166 100
165 92.0 75.0 112.4
167 14.1 10.6 15.8

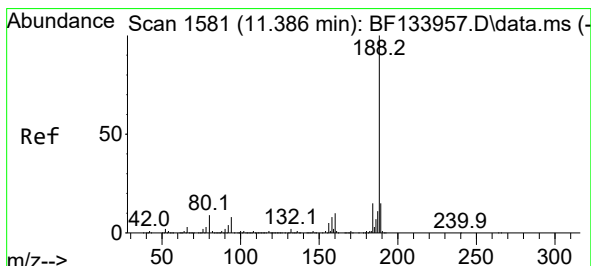
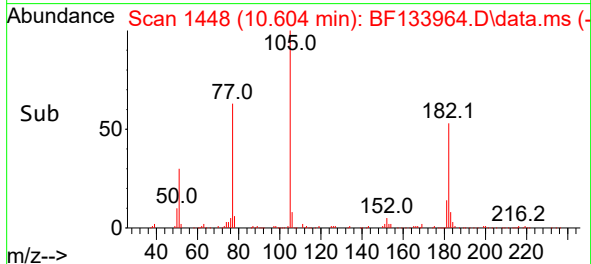
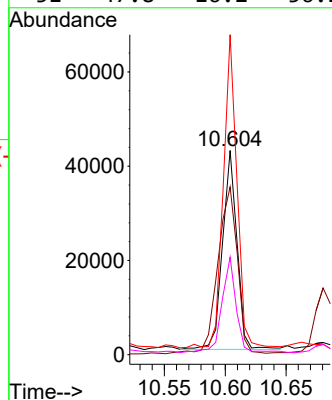
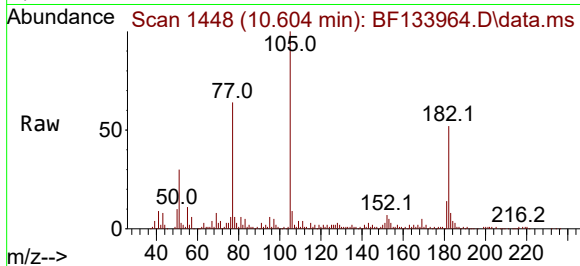




#63
Azobenzene
Concen: 3.058 ng
RT: 10.604 min Scan# 1447
Delta R.T. 0.006 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

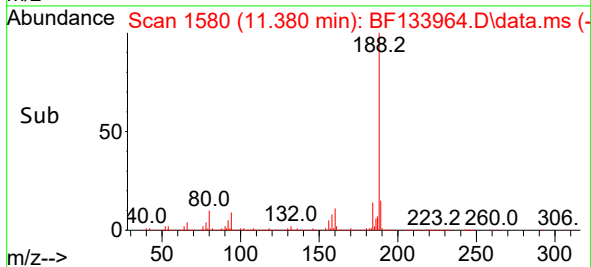
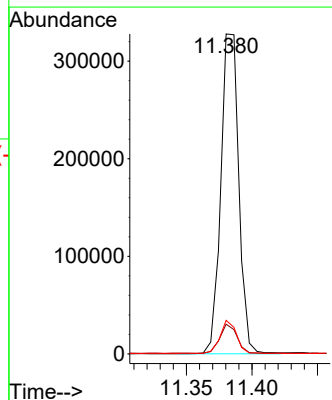
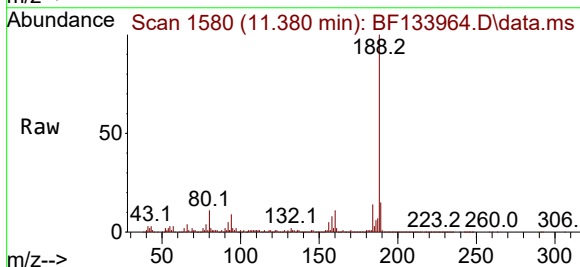
Instrument :
BNA_F
ClientSampleId :
EO-3-062123

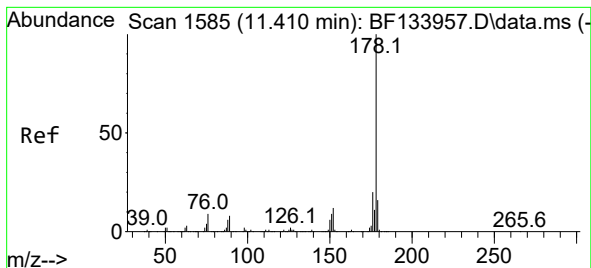
Tgt Ion: 77 Resp: 35147
Ion Ratio Lower Upper
77 100
182 82.3 6.8 46.8#
105 156.8 2.3 42.3#
51 47.8 16.2 56.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

Tgt Ion: 188 Resp: 312014
Ion Ratio Lower Upper
188 100
94 9.3 6.4 9.6
80 10.5 7.3 10.9





#71

Phenanthrene

Concen: 28.552 ng

RT: 11.410 min Scan# 1585

Delta R.T. 0.000 min

Lab File: BF133964.D

Acq: 26 Jun 2023 21:36

Instrument :

BNA_F

ClientSampleId :

EO-3-062123

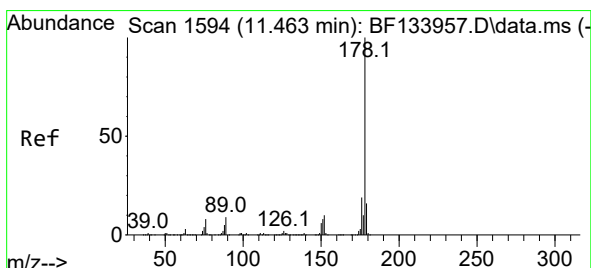
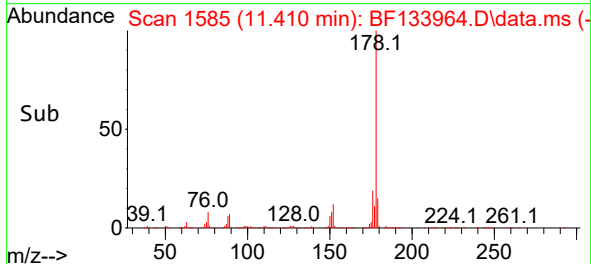
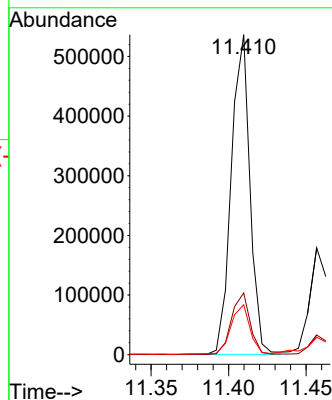
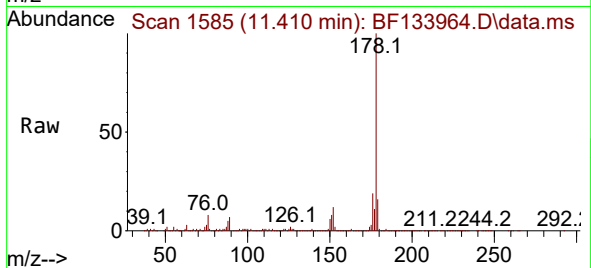
Tgt Ion:178 Resp: 448469

Ion Ratio Lower Upper

178 100

176 19.3 16.0 24.0

179 15.6 12.4 18.6



#72

Anthracene

Concen: 8.789 ng

RT: 11.457 min Scan# 1593

Delta R.T. -0.006 min

Lab File: BF133964.D

Acq: 26 Jun 2023 21:36

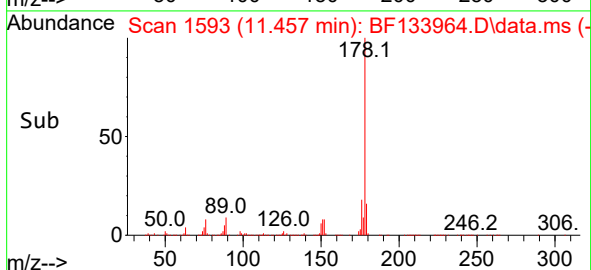
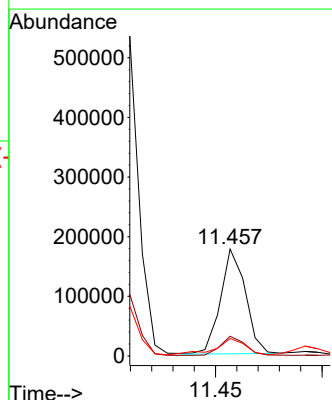
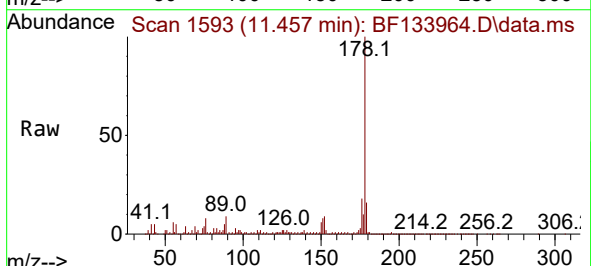
Tgt Ion:178 Resp: 143589

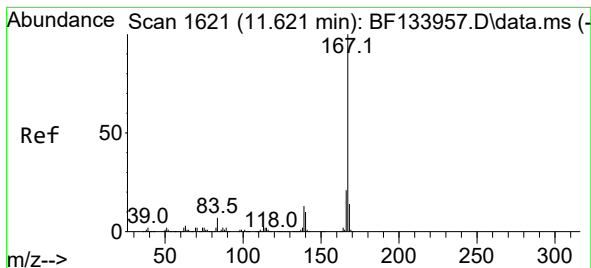
Ion Ratio Lower Upper

178 100

176 18.4 15.3 22.9

179 16.3 12.4 18.6





#73

Carbazole

Concen: 2.558 ng

RT: 11.616 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133964.D

Acq: 26 Jun 2023 21:36

Instrument :

BNA_F

ClientSampleId :

EO-3-062123

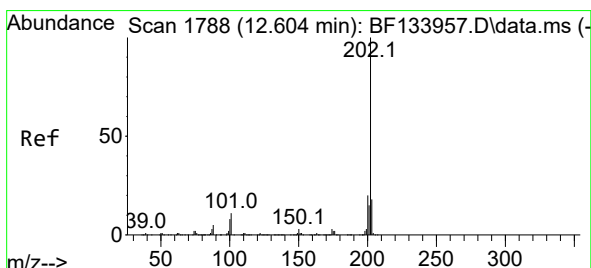
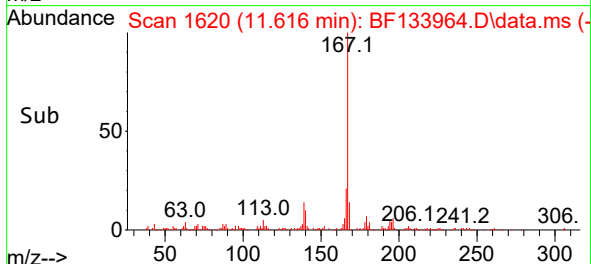
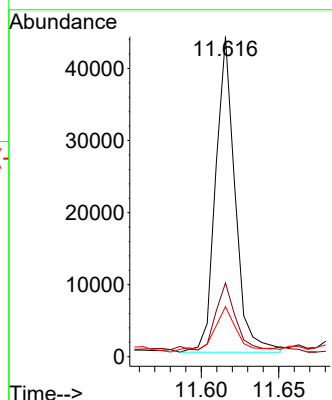
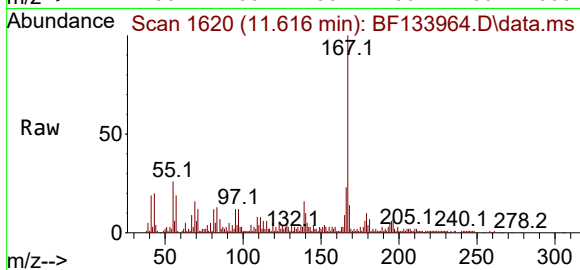
Tgt Ion:167 Resp: 38259

Ion Ratio Lower Upper

167 100

166 23.0 17.0 25.6

139 15.7 10.4 15.6#



#75

Fluoranthene

Concen: 47.792 ng

RT: 12.610 min Scan# 1789

Delta R.T. 0.006 min

Lab File: BF133964.D

Acq: 26 Jun 2023 21:36

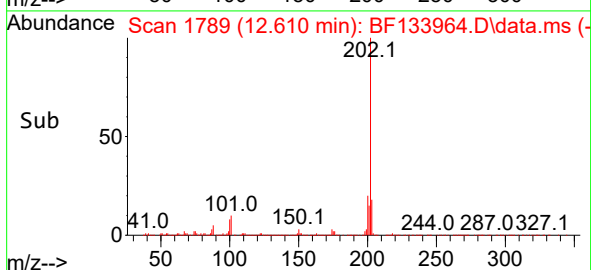
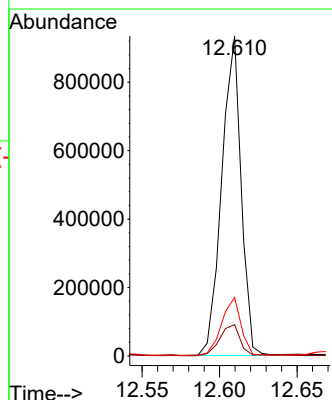
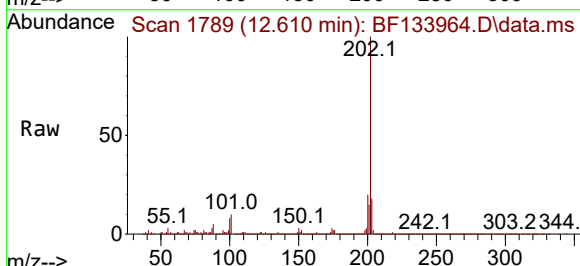
Tgt Ion:202 Resp: 811552

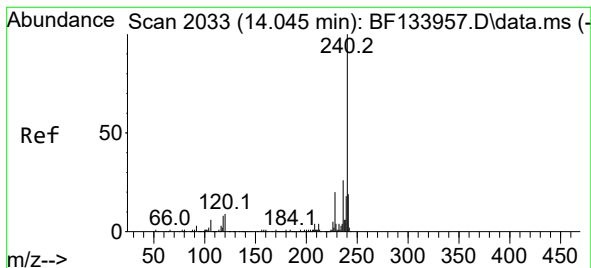
Ion Ratio Lower Upper

202 100

101 9.8 0.0 31.0

203 18.3 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF133964.D

Acq: 26 Jun 2023 21:36

Instrument :

BNA_F

ClientSampleId :

EO-3-062123

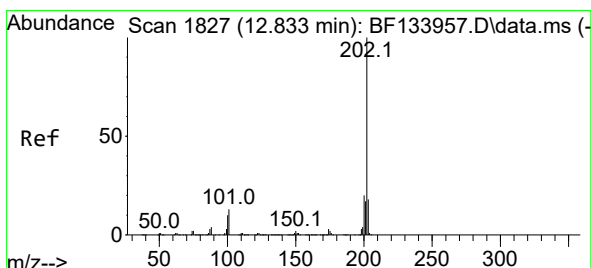
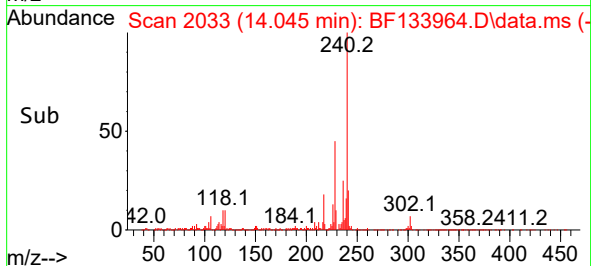
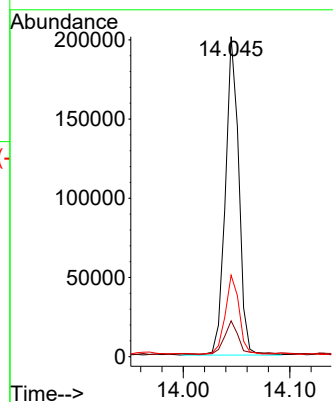
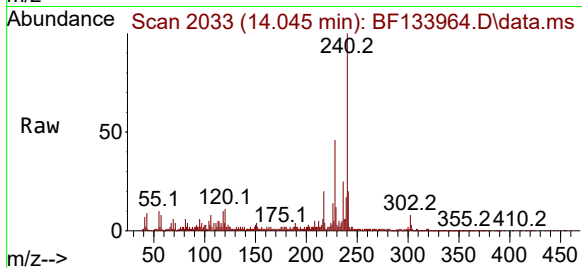
Tgt Ion:240 Resp: 175564

Ion Ratio Lower Upper

240 100

120 11.2 7.4 11.0#

236 25.5 21.0 31.6



#78

Pyrene

Concen: 45.112 ng

RT: 12.839 min Scan# 1828

Delta R.T. 0.006 min

Lab File: BF133964.D

Acq: 26 Jun 2023 21:36

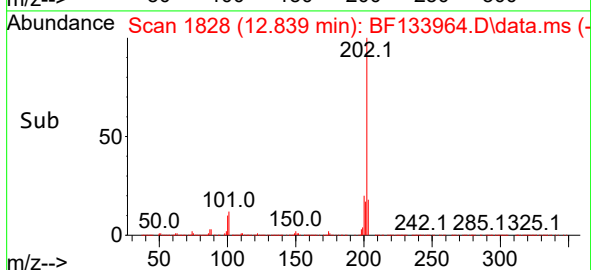
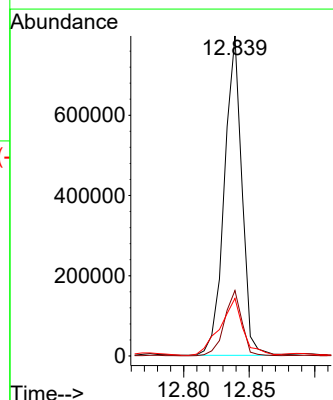
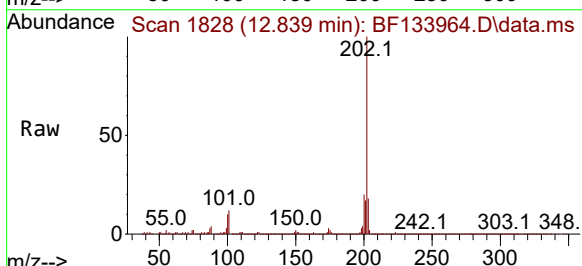
Tgt Ion:202 Resp: 737075

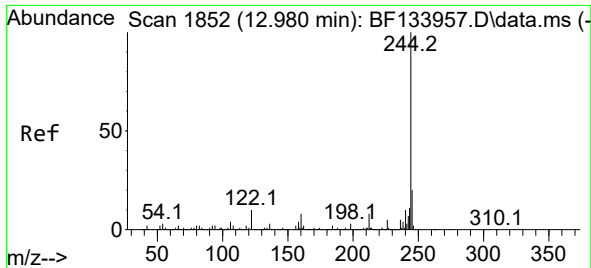
Ion Ratio Lower Upper

202 100

200 20.5 16.1 24.1

203 18.0 14.3 21.5

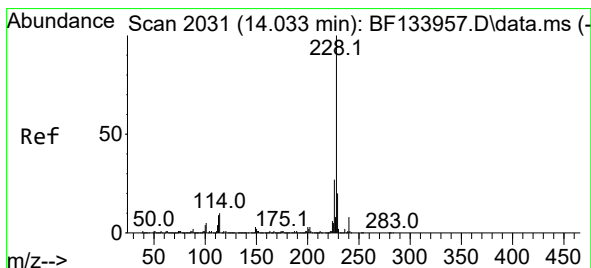
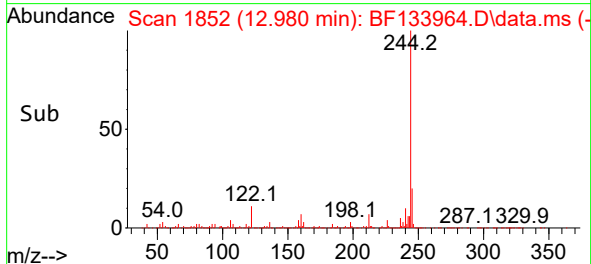
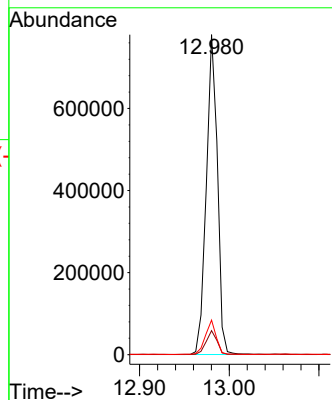
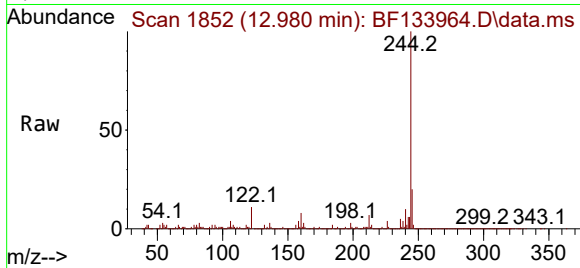




#79
 Terphenyl-d14
 Concen: 61.358 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: BF133964.D
 Acq: 26 Jun 2023 21:36

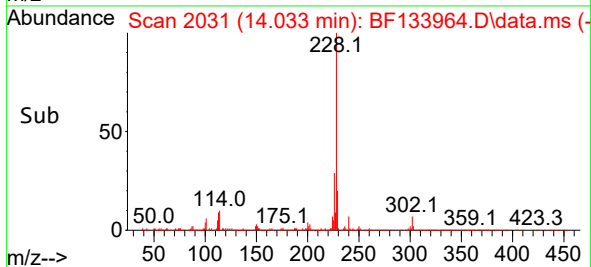
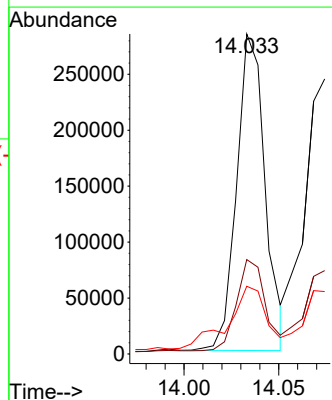
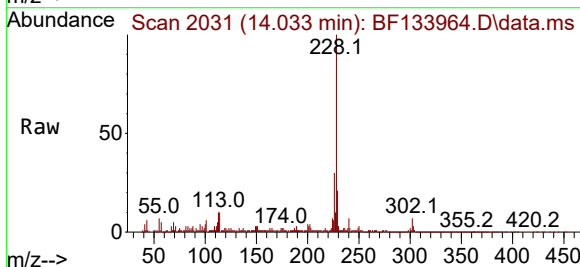
Instrument :
 BNA_F
 ClientSampleId :
 EO-3-062123

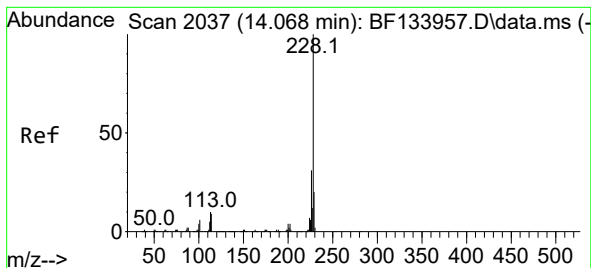
Tgt Ion:244 Resp: 669324
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 10.8 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 24.187 ng
 RT: 14.033 min Scan# 2031
 Delta R.T. 0.000 min
 Lab File: BF133964.D
 Acq: 26 Jun 2023 21:36

Tgt Ion:228 Resp: 294489
 Ion Ratio Lower Upper
 228 100
 226 29.5 22.0 33.0
 229 21.2 16.3 24.5





#83

Chrysene

Concen: 21.541 ng

RT: 14.074 min Scan# 2037

Delta R.T. 0.006 min

Lab File: BF133964.D

Acq: 26 Jun 2023 21:36

Instrument :

BNA_F

ClientSampleId :

EO-3-062123

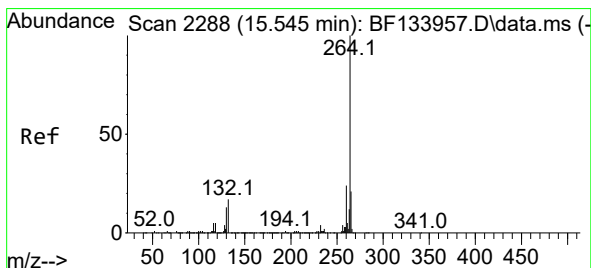
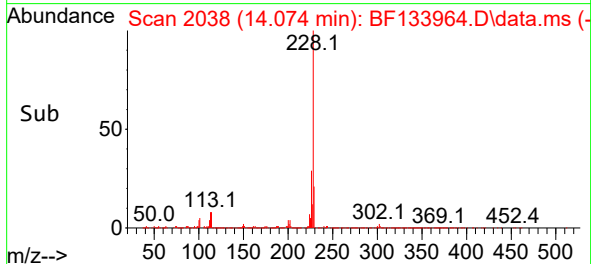
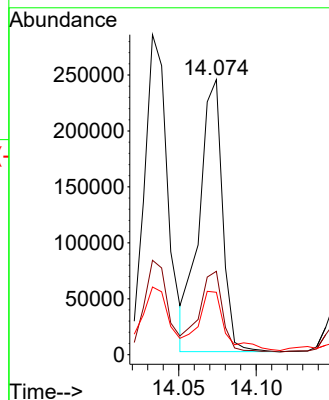
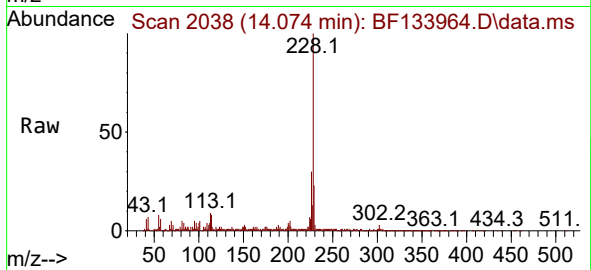
Tgt Ion:228 Resp: 254029

Ion Ratio Lower Upper

228 100

226 30.3 24.4 36.6

229 22.7 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2290

Delta R.T. 0.012 min

Lab File: BF133964.D

Acq: 26 Jun 2023 21:36

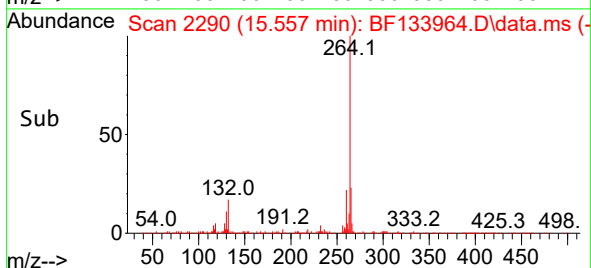
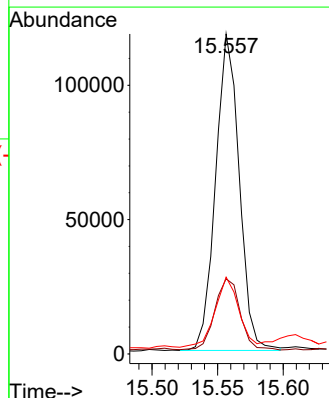
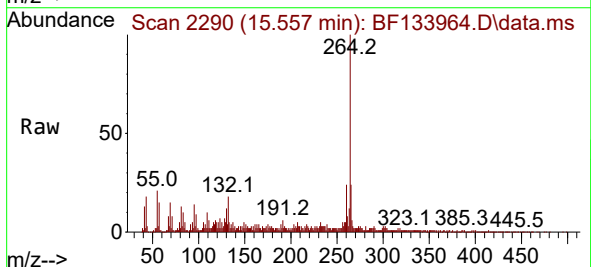
Tgt Ion:264 Resp: 147470

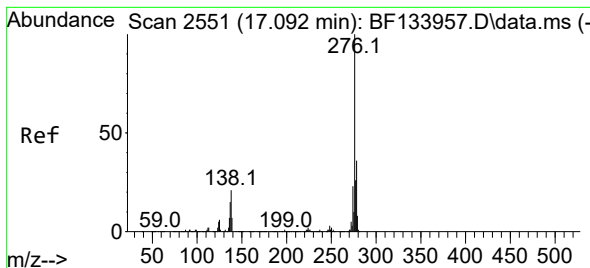
Ion Ratio Lower Upper

264 100

260 23.5 19.5 29.3

265 24.0 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.645 ng

RT: 17.109 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF133964.D

Acq: 26 Jun 2023 21:36

Instrument :

BNA_F

ClientSampleId :

EO-3-062123

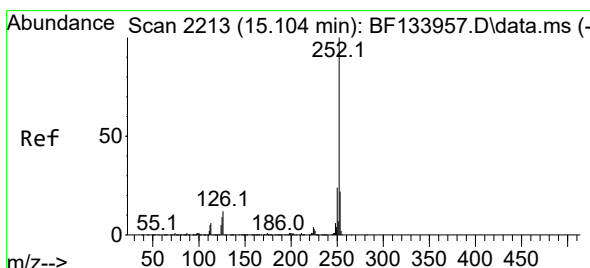
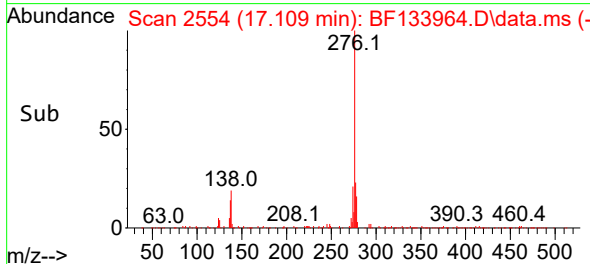
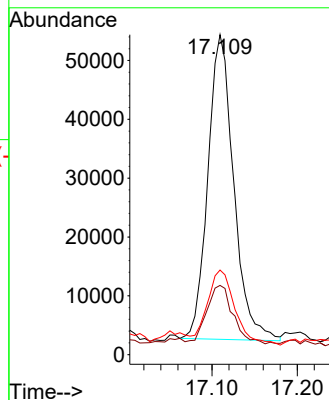
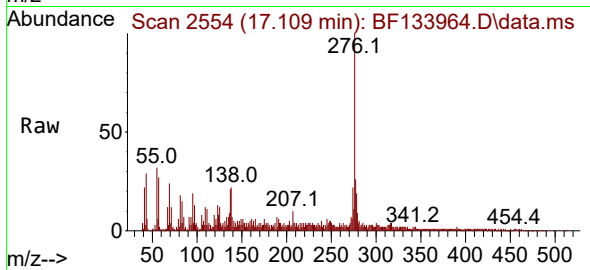
Tgt Ion:276 Resp: 108925

Ion Ratio Lower Upper

276 100

138 20.2 18.7 28.1

277 26.6 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 42.076 ng

RT: 15.110 min Scan# 2214

Delta R.T. 0.006 min

Lab File: BF133964.D

Acq: 26 Jun 2023 21:36

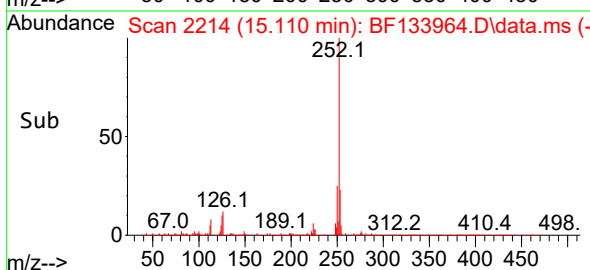
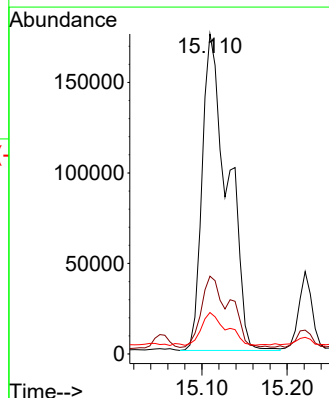
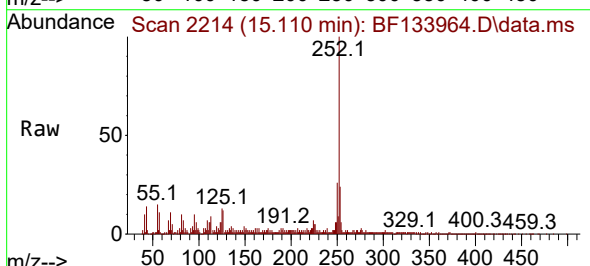
Tgt Ion:252 Resp: 364853

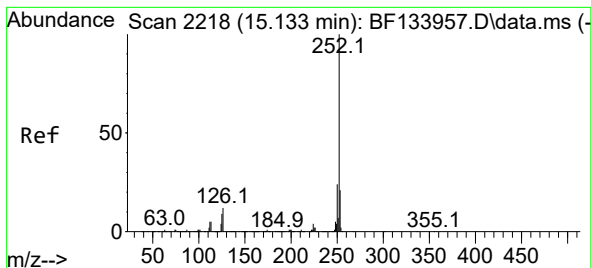
Ion Ratio Lower Upper

252 100

253 24.3 17.4 26.0

125 13.0 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 41.325 ng

RT: 15.110 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF133964.D

Acq: 26 Jun 2023 21:36

Instrument :

BNA_F

ClientSampleId :

EO-3-062123

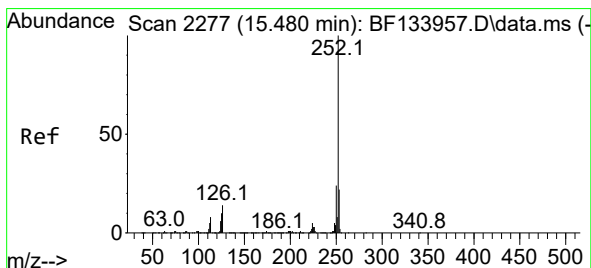
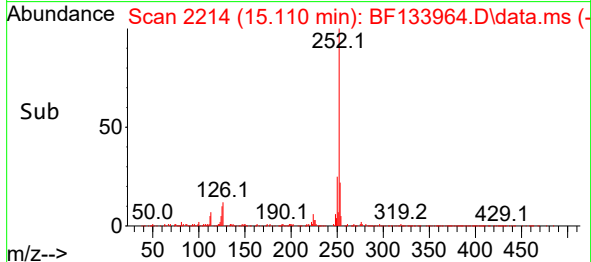
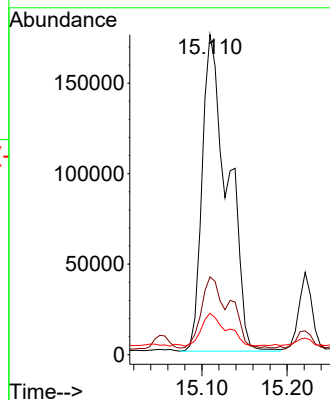
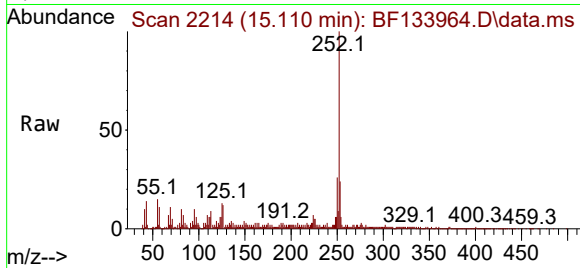
Tgt Ion:252 Resp: 364853

Ion Ratio Lower Upper

252 100

253 24.3 16.9 25.3

125 13.0 7.4 11.2#



#90

Benzo(a)pyrene

Concen: 23.838 ng

RT: 15.492 min Scan# 2279

Delta R.T. 0.012 min

Lab File: BF133964.D

Acq: 26 Jun 2023 21:36

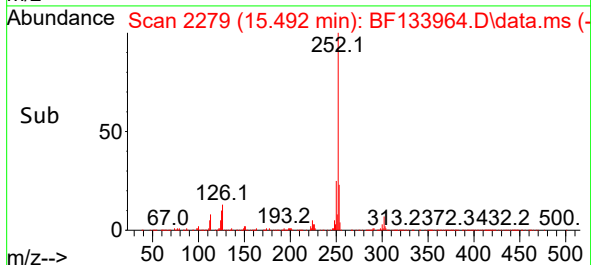
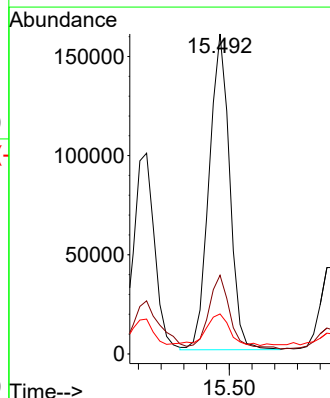
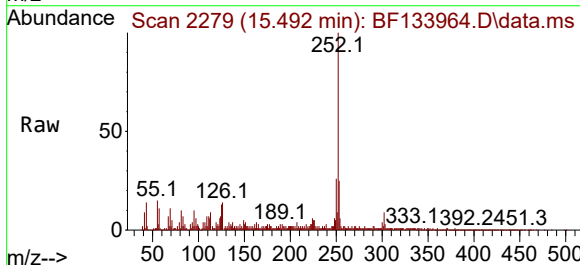
Tgt Ion:252 Resp: 199880

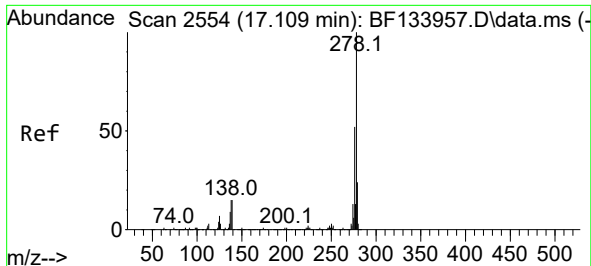
Ion Ratio Lower Upper

252 100

253 24.6 17.4 26.0

125 12.5 8.4 12.6

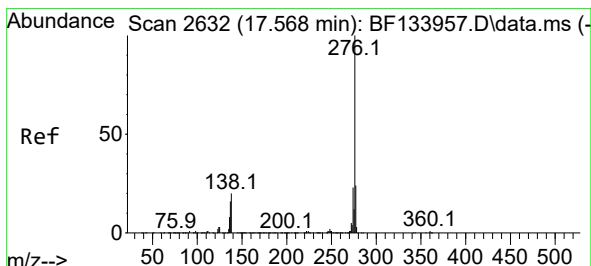
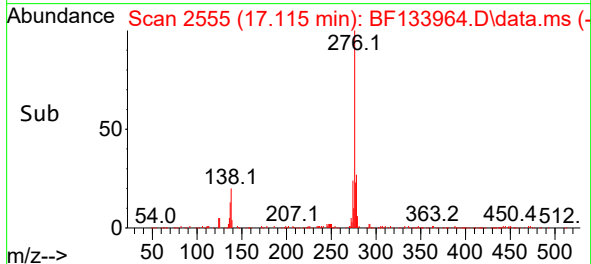
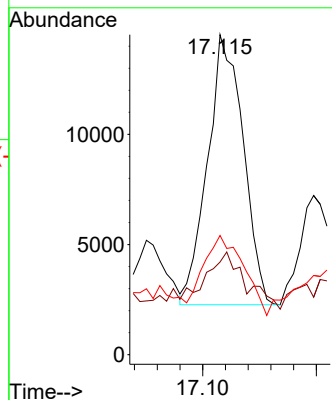
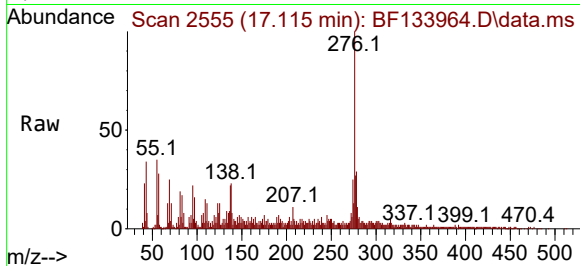




#91
Dibenzo(a,h)anthracene
Concen: 3.198 ng
RT: 17.115 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

Instrument :
BNA_F
ClientSampleId :
EO-3-062123

Tgt Ion:278 Resp: 26728
Ion Ratio Lower Upper
278 100
139 29.0 12.2 18.4#
279 37.3 19.4 29.2#



#92
Benzo(g,h,i)perylene
Concen: 12.551 ng
RT: 17.580 min Scan# 2634
Delta R.T. 0.012 min
Lab File: BF133964.D
Acq: 26 Jun 2023 21:36

Tgt Ion:276 Resp: 108178
Ion Ratio Lower Upper
276 100
277 24.8 19.0 28.6
138 20.5 16.2 24.2

