

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
 Data File : BF136063.D
 Acq On : 31 Oct 2023 21:12
 Operator : CG\JU
 Sample : 04858-07RE
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3RE

Quant Time: Nov 01 00:37:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
 Response via : Initial Calibration

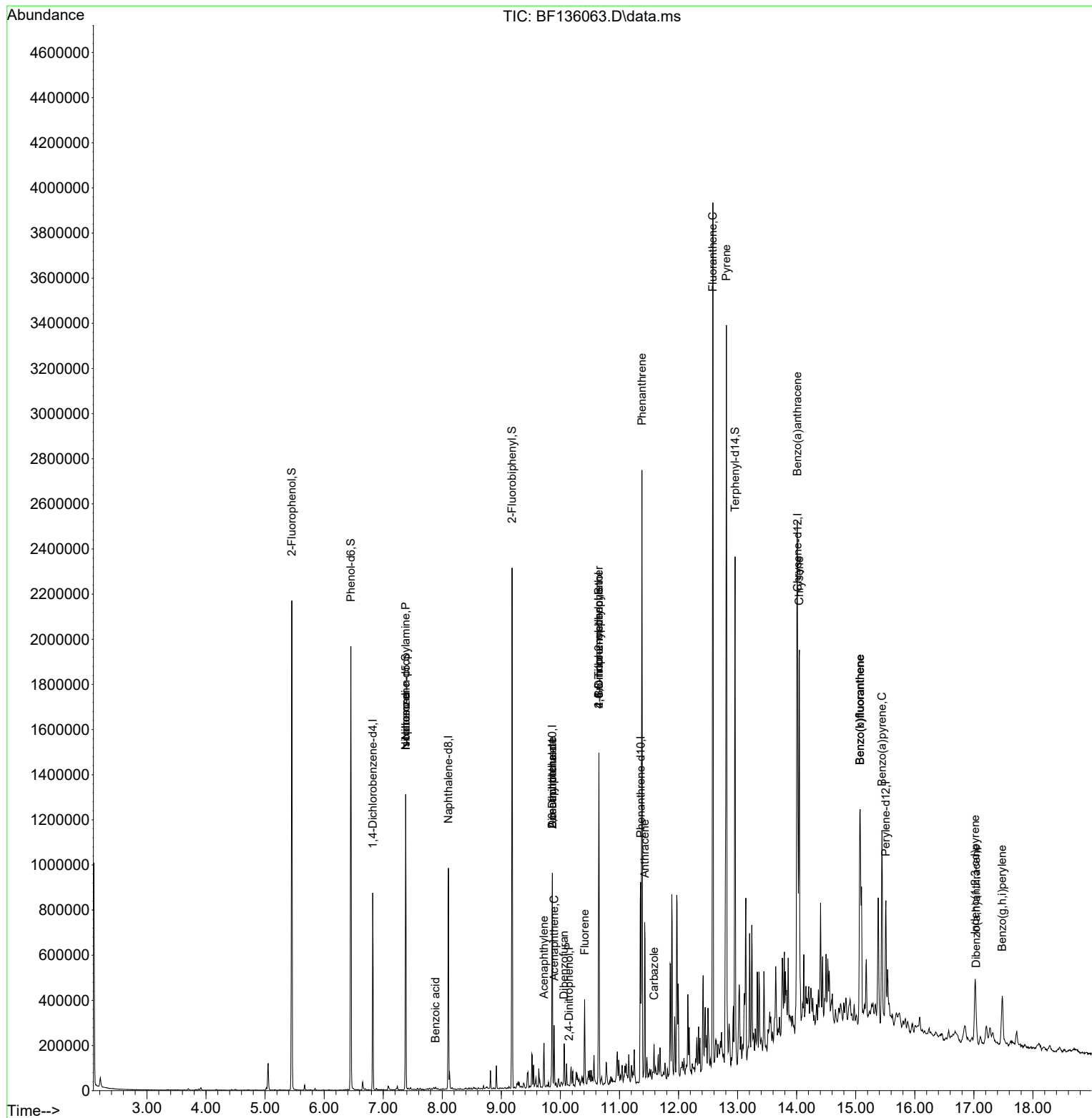
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	118053	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	393864	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	177722	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	343784	20.000	ng	0.00
76) Chrysene-d12	14.016	240	299446	20.000	ng	# 0.00
86) Perylene-d12	15.510	264	240688	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	571448	76.066	ng	0.00
7) Phenol-d6	6.451	99	643641	68.764	ng	0.00
23) Nitrobenzene-d5	7.381	82	358844	54.923	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	153206	80.764	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	619466	55.564	ng	0.00
79) Terphenyl-d14	12.957	244	742755	38.547	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.381	70	47198	8.825	ng	# 79
25) Isophorone	7.381	82	357420	28.977	ng	# 64
32) Benzoic acid	7.887	122	319	5.177	ng	# 33
49) Acenaphthylene	9.722	152	63954	4.105	ng	99
50) Dimethylphthalate	9.863	163	37625	3.210	ng	# 1
51) 2,6-Dinitrotoluene	9.863	165	25498	10.170	ng	# 28
52) Acenaphthene	9.892	154	50227	5.071	ng	99
54) 2,4-Dinitrophenol	10.145	184	59	8.016	ng	# 21
55) Dibenzofuran	10.063	168	40179	2.782	ng	# 93
58) Fluorene	10.410	166	91701	8.480	ng	98
65) 4,6-Dinitro-2-methylph...	10.651	198	354	5.955	ng	# 1
67) 4-Bromophenyl-phenylether	10.651	248	9544	2.648	ng	# 1
71) Phenanthrene	11.380	178	953173	55.066	ng	99
72) Anthracene	11.428	178	273870	15.441	ng	99
73) Carbazole	11.586	167	50663	3.287	ng	98
75) Fluoranthene	12.580	202	1481420	83.309	ng	99
78) Pyrene	12.810	202	1385333	52.474	ng	100
81) Benzo(a)anthracene	14.010	228	776479	39.168	ng	96
83) Chrysene	14.045	228	669735	34.304	ng	97
87) Indeno(1,2,3-cd)pyrene	17.021	276	203653	12.946	ng	95
88) Benzo(b)fluoranthene	15.074	252	820775	57.631	ng	# 98
89) Benzo(k)fluoranthene	15.074	252	820775	58.246	ng	98
90) Benzo(a)pyrene	15.445	252	415147	31.372	ng	98
91) Dibenzo(a,h)anthracene	17.039	278	54583	4.236	ng	91
92) Benzo(g,h,i)perylene	17.480	276	179022	14.362	ng	98

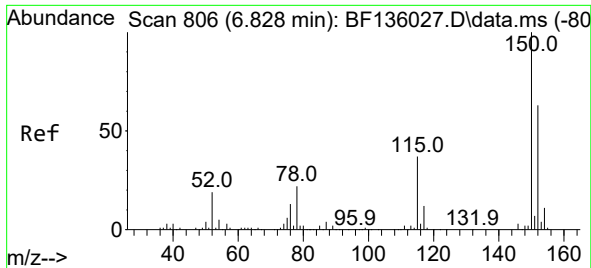
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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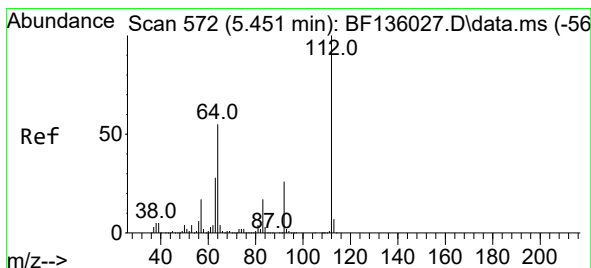
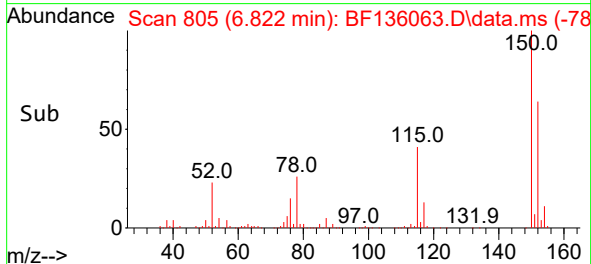
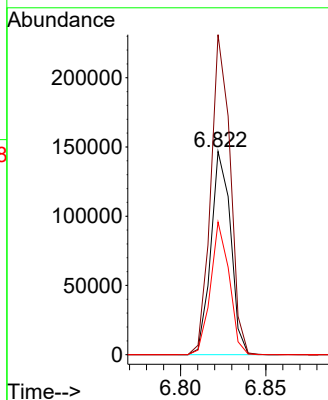
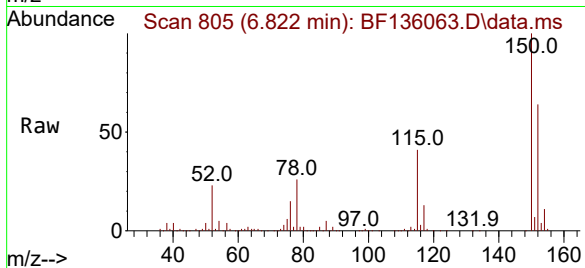




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136063.D
Acq: 31 Oct 2023 21:12

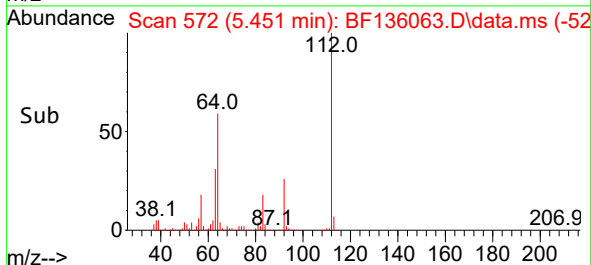
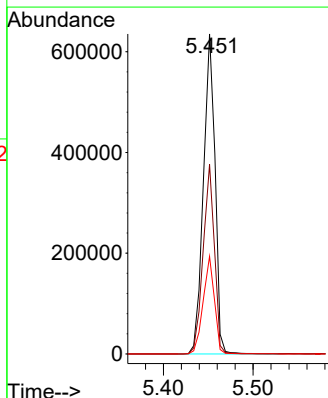
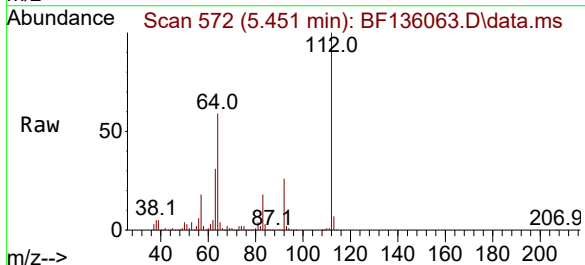
Instrument :
BNA_F
ClientSampleId :
WC-3RE

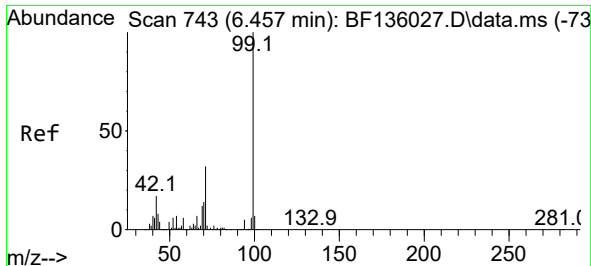
Tgt Ion:152 Resp: 118053
Ion Ratio Lower Upper
152 100
150 157.5 126.4 189.6
115 65.3 47.0 70.4



#5
2-Fluorophenol
Concen: 76.066 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.000 min
Lab File: BF136063.D
Acq: 31 Oct 2023 21:12

Tgt Ion:112 Resp: 571448
Ion Ratio Lower Upper
112 100
64 59.3 43.9 65.9
63 30.5 22.4 33.6

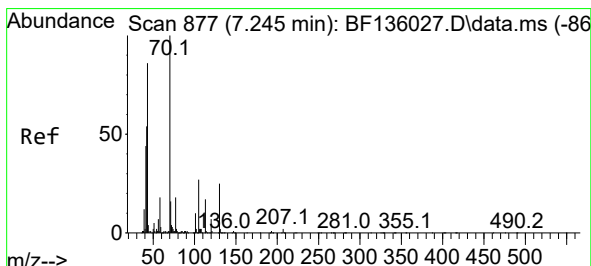
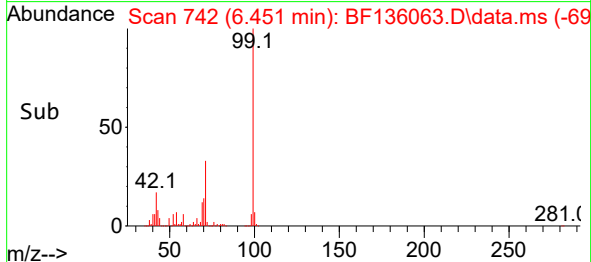
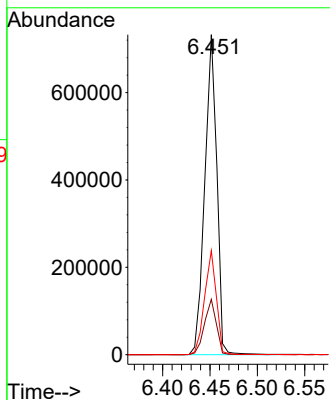
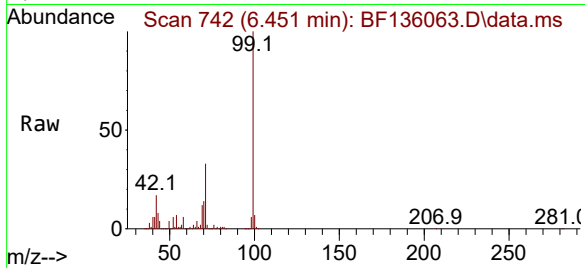




#7
Phenol-d6
Concen: 68.764 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF136063.D
Acq: 31 Oct 2023 21:12

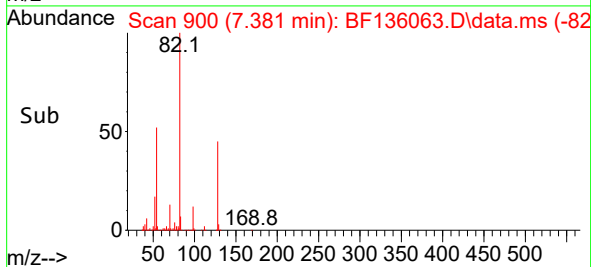
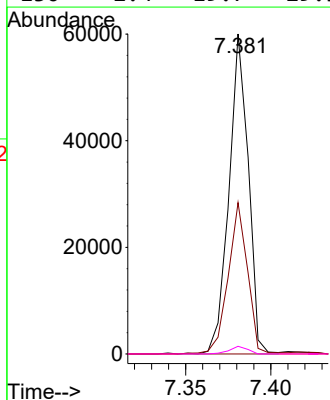
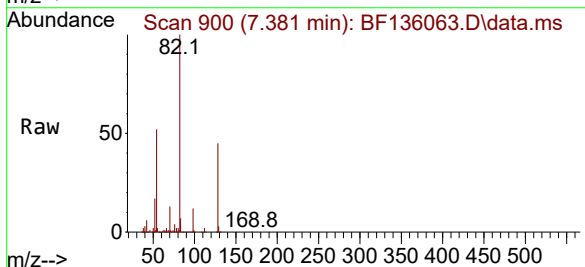
Instrument :
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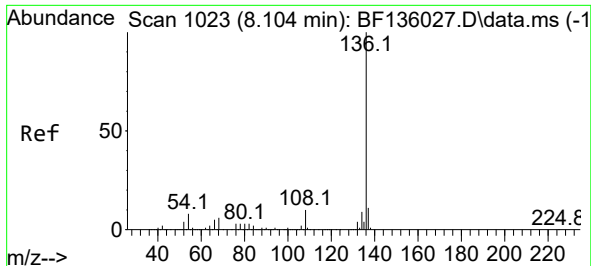
Tgt Ion: 99 Resp: 643641
Ion Ratio Lower Upper
99 100
42 17.3 13.7 20.5
71 32.5 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 8.825 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.135 min
Lab File: BF136063.D
Acq: 31 Oct 2023 21:12

Tgt Ion: 70 Resp: 47198
Ion Ratio Lower Upper
70 100
42 47.3 43.0 64.4
101 0.0 8.0 12.0#
130 2.4 19.7 29.5#

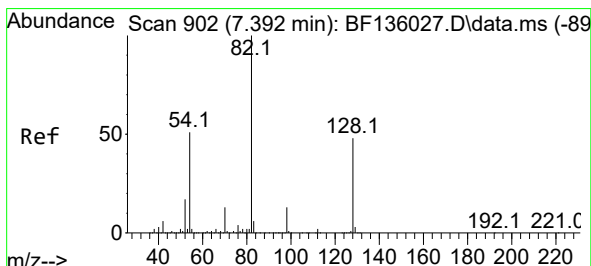
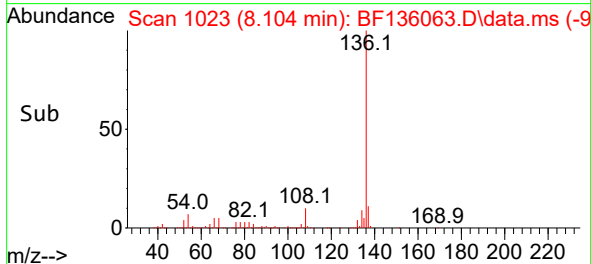
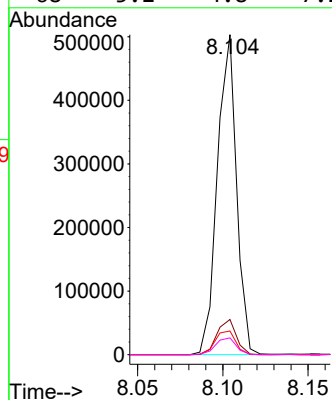
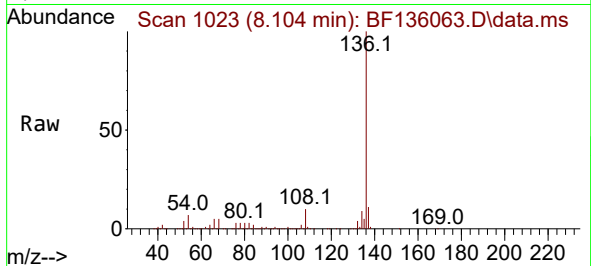




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF136063.D
Acq: 31 Oct 2023 21:12

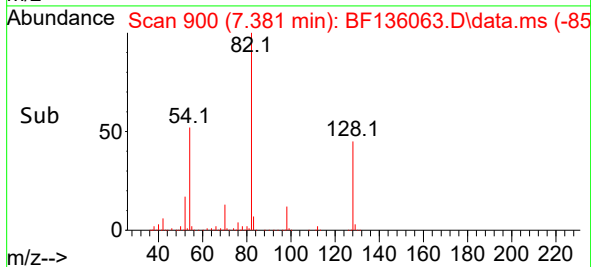
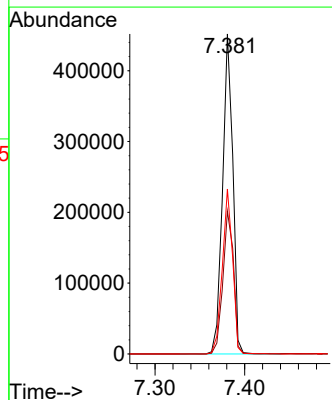
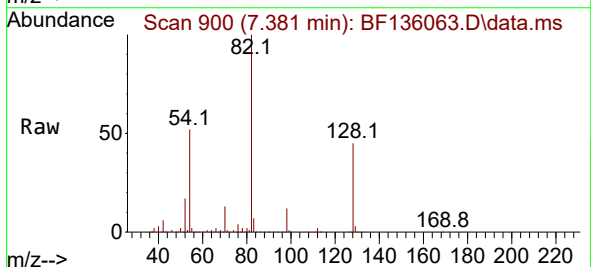
Instrument :
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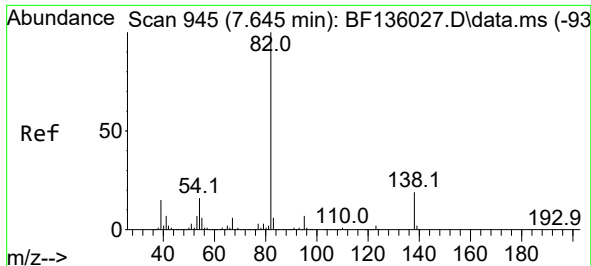
Tgt Ion:136 Resp: 393864
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 7.4 6.6 9.8
68 5.2 4.8 7.2



#23
Nitrobenzene-d5
Concen: 54.923 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF136063.D
Acq: 31 Oct 2023 21:12

Tgt Ion: 82 Resp: 358844
Ion Ratio Lower Upper
82 100
128 44.6 38.6 57.8
54 51.5 40.8 61.2

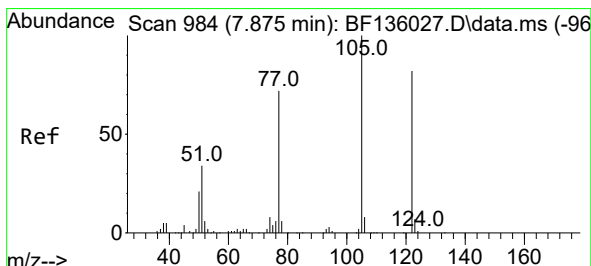
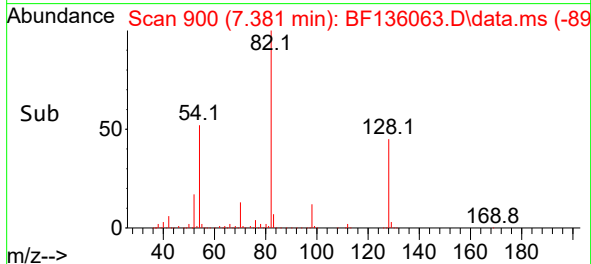
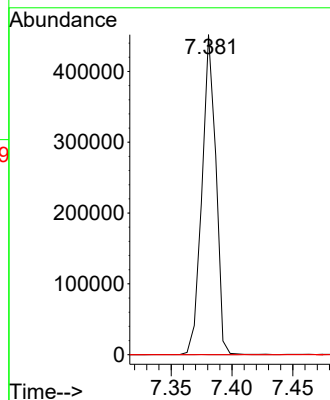
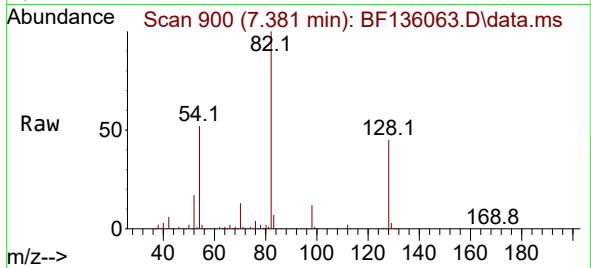




#25
Isophorone
Concen: 28.977 ng
RT: 7.381 min Scan# 90
Delta R.T. -0.264 min
Lab File: BF136063.D
Acq: 31 Oct 2023 21:12

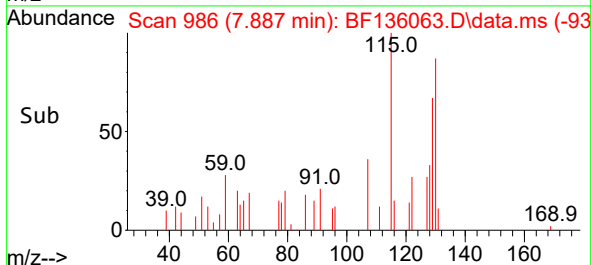
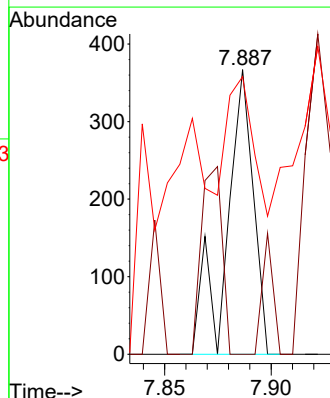
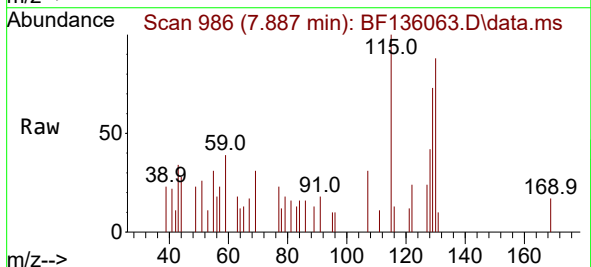
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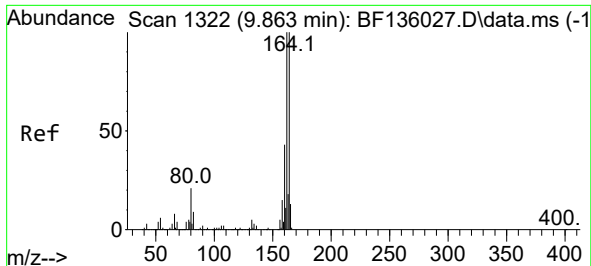
Tgt Ion: 82 Resp: 357420
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



#32
Benzoic acid
Concen: 5.177 ng
RT: 7.887 min Scan# 986
Delta R.T. 0.012 min
Lab File: BF136063.D
Acq: 31 Oct 2023 21:12

Tgt Ion:122 Resp: 319
Ion Ratio Lower Upper
122 100
105 0.0 99.5 139.5#
77 97.5 66.8 106.8

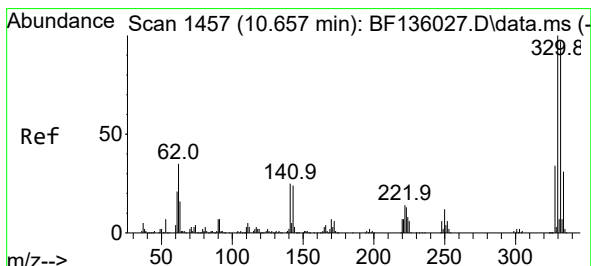
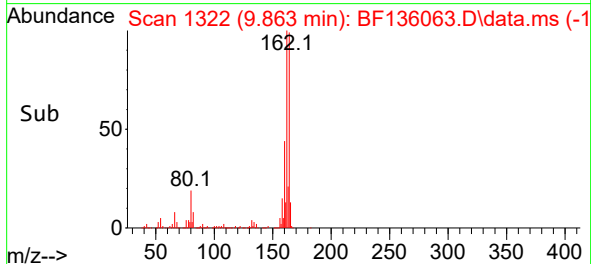
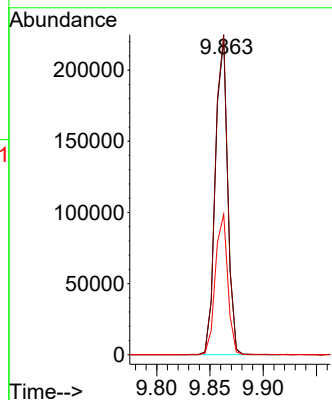
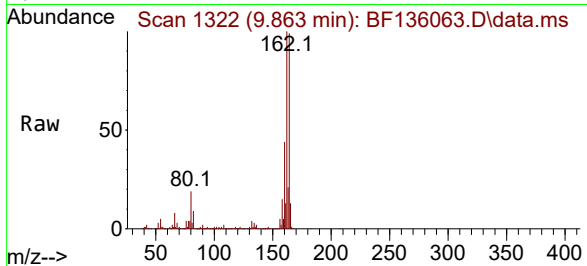




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF136063.D
Acq: 31 Oct 2023 21:12

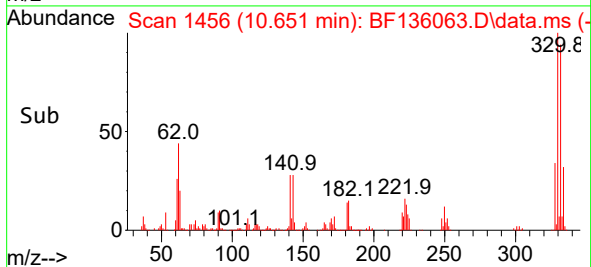
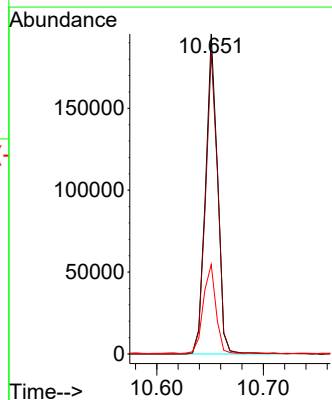
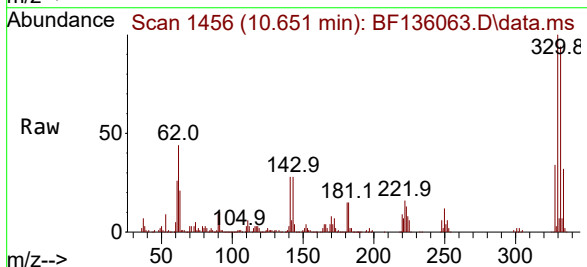
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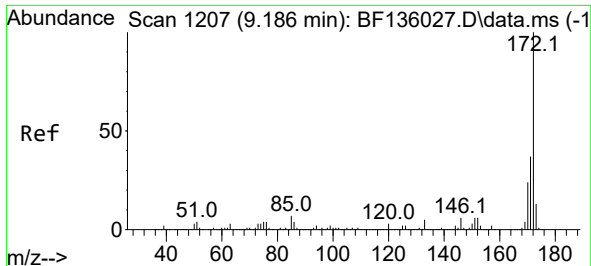
Tgt Ion:164 Resp: 177722
Ion Ratio Lower Upper
164 100
162 101.4 80.1 120.1
160 44.5 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 80.764 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF136063.D
Acq: 31 Oct 2023 21:12

Tgt Ion:330 Resp: 153206
Ion Ratio Lower Upper
330 100
332 96.1 76.9 115.3
141 29.3 23.2 34.8

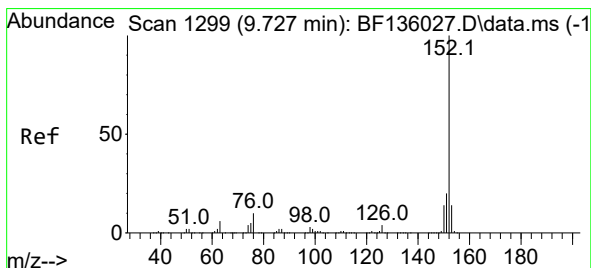
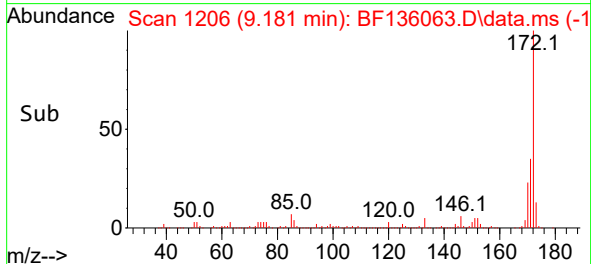
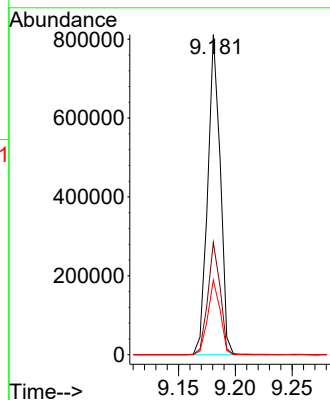
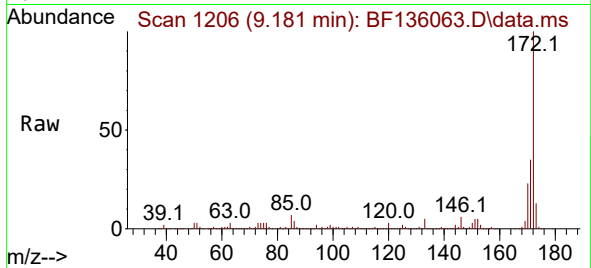




#45
2-Fluorobiphenyl
Concen: 55.564 ng
RT: 9.181 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF136063.D
Acq: 31 Oct 2023 21:12

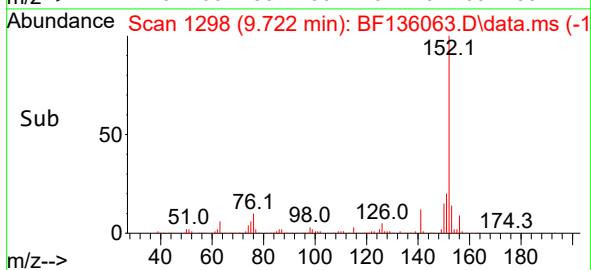
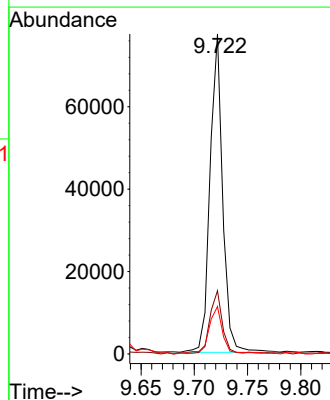
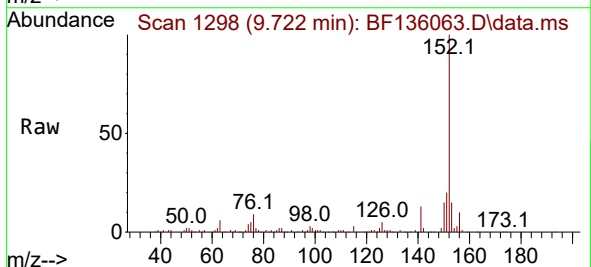
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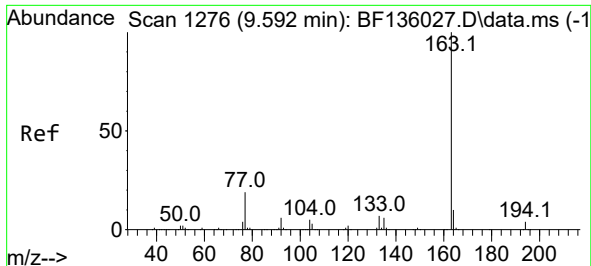
Tgt Ion:172 Resp: 619466
Ion Ratio Lower Upper
172 100
171 35.1 29.4 44.0
170 23.3 19.3 28.9



#49
Acenaphthylene
Concen: 4.105 ng
RT: 9.722 min Scan# 1298
Delta R.T. -0.006 min
Lab File: BF136063.D
Acq: 31 Oct 2023 21:12

Tgt Ion:152 Resp: 63954
Ion Ratio Lower Upper
152 100
151 19.7 16.1 24.1
153 14.8 11.4 17.2

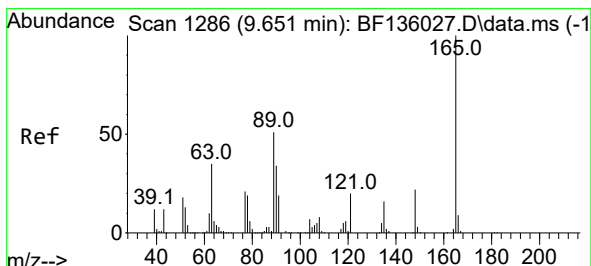
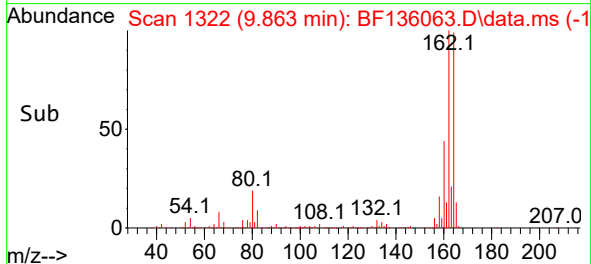
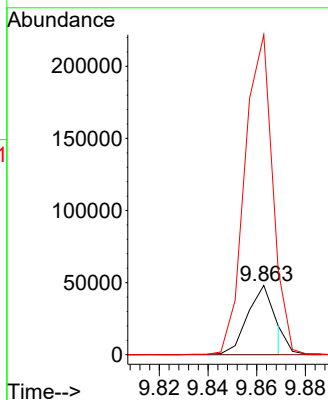
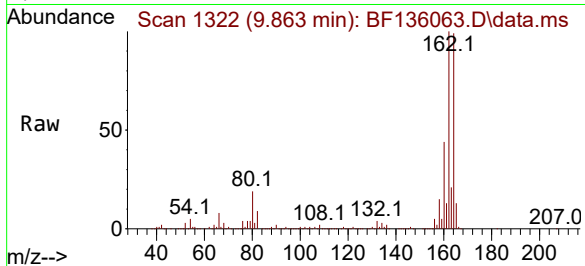




#50
Dimethylphthalate
Concen: 3.210 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.271 min
Lab File: BF136063.D
Acq: 31 Oct 2023 21:12

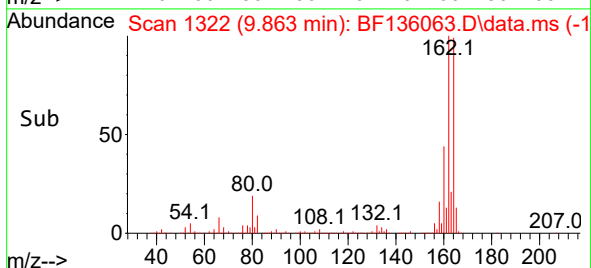
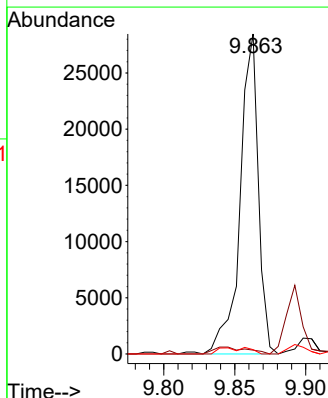
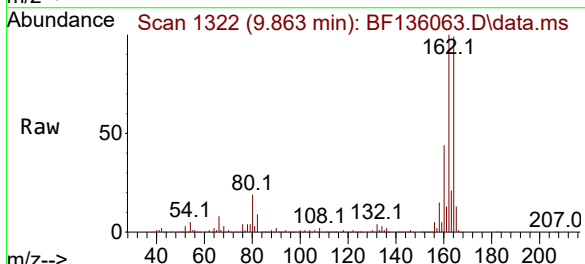
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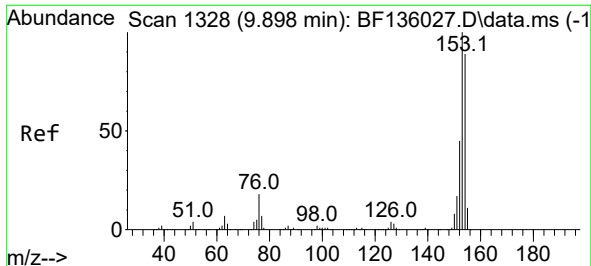
Tgt Ion:163 Resp: 37625
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 462.3 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 10.170 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.212 min
Lab File: BF136063.D
Acq: 31 Oct 2023 21:12

Tgt Ion:165 Resp: 25498
Ion Ratio Lower Upper
165 100
63 1.2 40.8 61.2#
89 1.4 41.1 61.7#

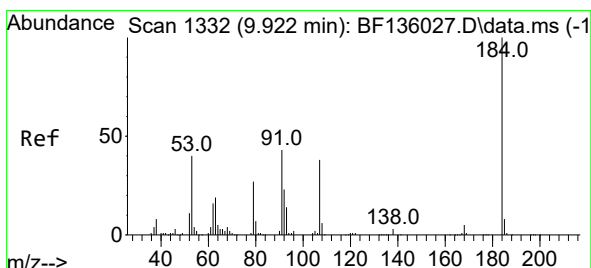
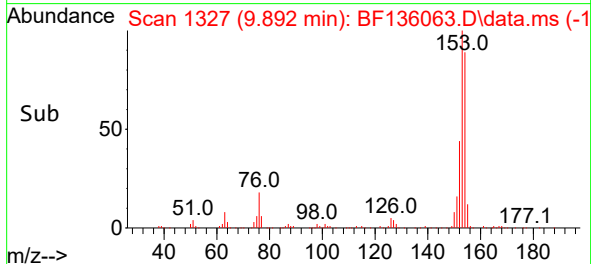
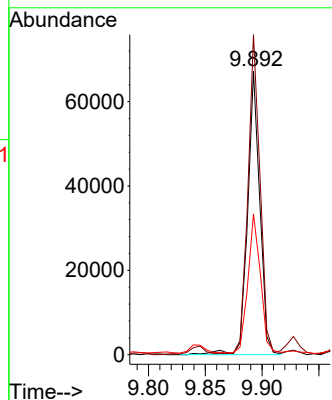
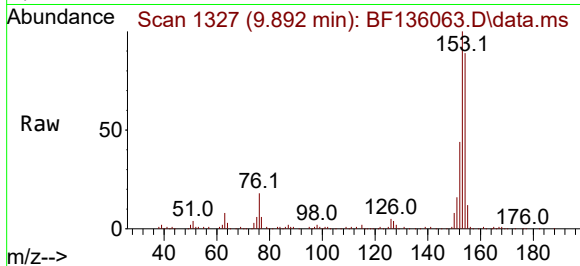




#52
Acenaphthene
Concen: 5.071 ng
RT: 9.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136063.D
Acq: 31 Oct 2023 21:12

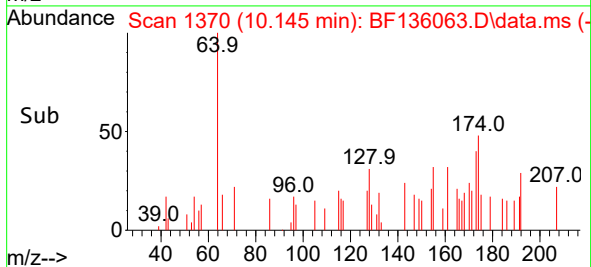
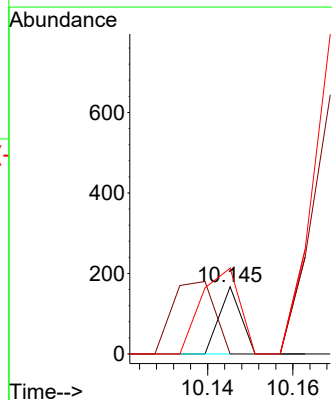
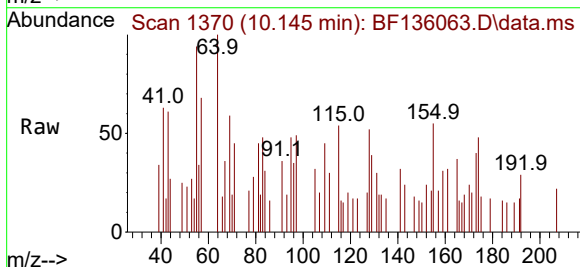
Instrument :
BNA_F
ClientSampleId :
WC-3RE

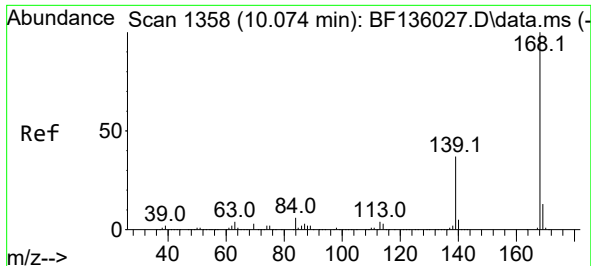
Tgt Ion:154 Resp: 50227
Ion Ratio Lower Upper
154 100
153 112.8 89.9 134.9
152 49.7 40.2 60.2



#54
2,4-Dinitrophenol
Concen: 8.016 ng
RT: 10.145 min Scan# 1370
Delta R.T. 0.223 min
Lab File: BF136063.D
Acq: 31 Oct 2023 21:12

Tgt Ion:184 Resp: 59
Ion Ratio Lower Upper
184 100
63 0.0 43.7 65.5#
154 127.5 51.2 76.8#

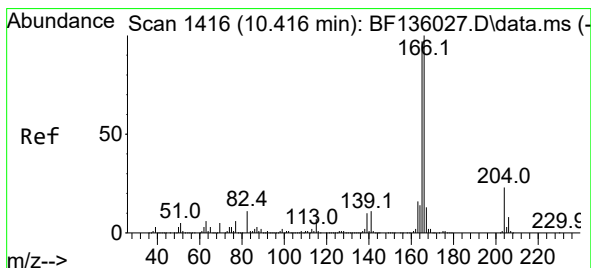
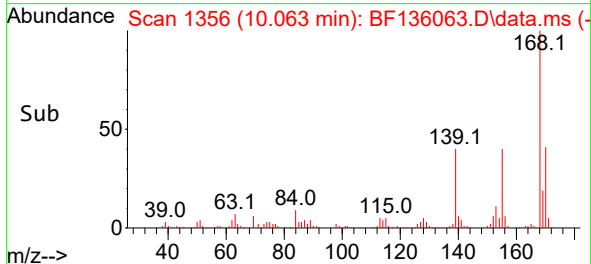
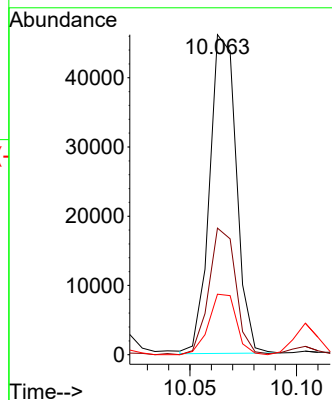
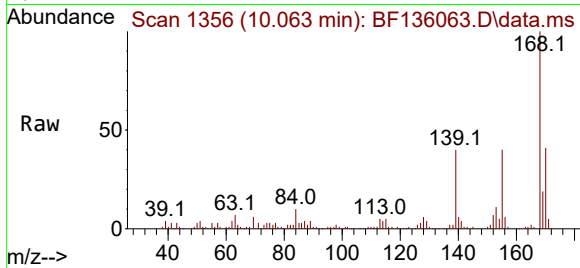




#55
Dibenzenofuran
Concen: 2.782 ng
RT: 10.063 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136063.D
Acq: 31 Oct 2023 21:12

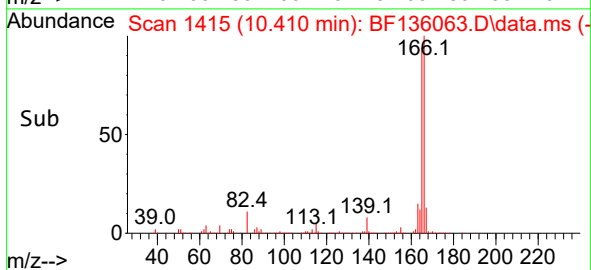
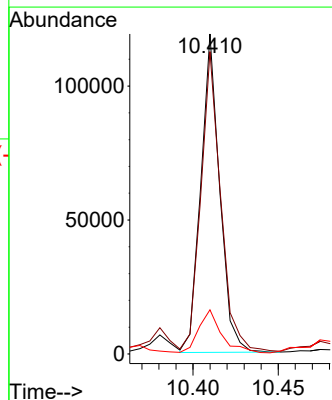
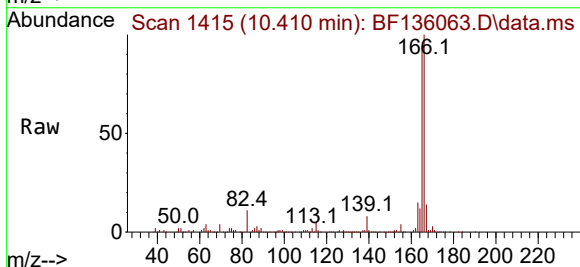
Instrument :
BNA_F
ClientSampleId :
WC-3RE

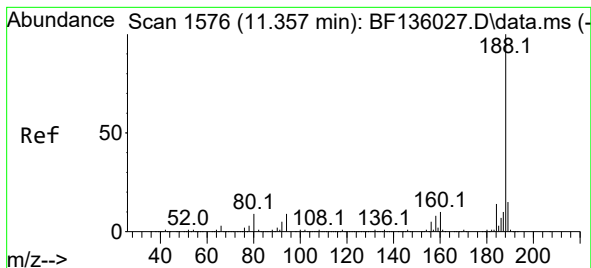
Tgt Ion:168 Resp: 40179
Ion Ratio Lower Upper
168 100
139 39.5 29.4 44.0
169 18.9 10.5 15.7#



#58
Fluorene
Concen: 8.480 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF136063.D
Acq: 31 Oct 2023 21:12

Tgt Ion:166 Resp: 91701
Ion Ratio Lower Upper
166 100
165 94.5 77.7 116.5
167 13.8 10.6 16.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF136063.D

Acq: 31 Oct 2023 21:12

Instrument :

BNA_F

ClientSampleId :

WC-3RE

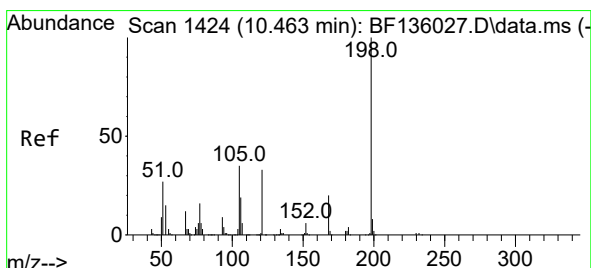
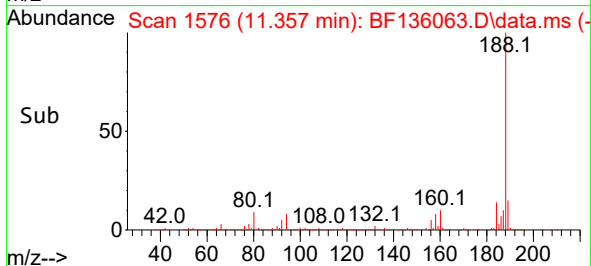
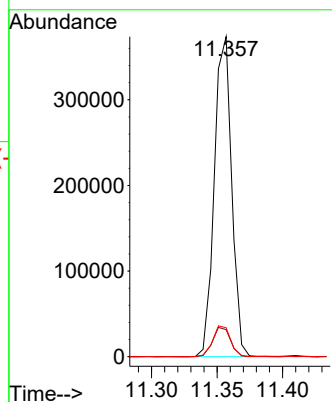
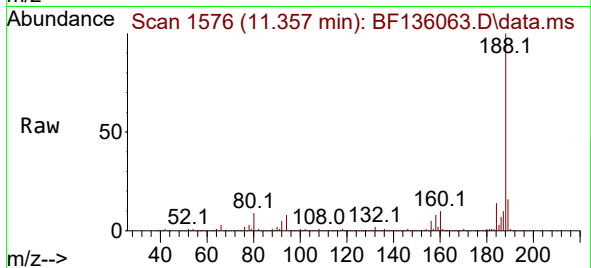
Tgt Ion:188 Resp: 343784

Ion Ratio Lower Upper

188 100

94 8.5 7.2 10.8

80 9.1 7.4 11.0



#65

4,6-Dinitro-2-methylphenol

Concen: 5.955 ng

RT: 10.651 min Scan# 1456

Delta R.T. 0.188 min

Lab File: BF136063.D

Acq: 31 Oct 2023 21:12

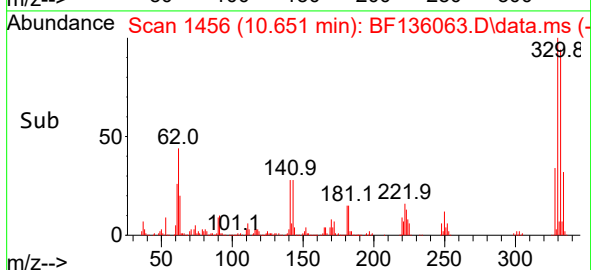
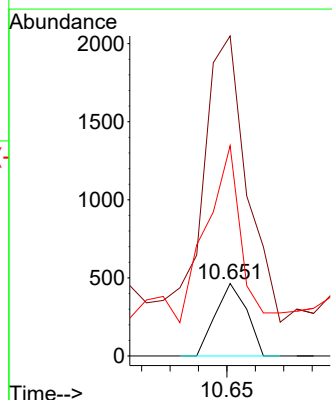
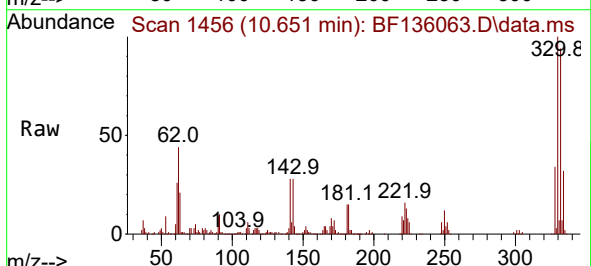
Tgt Ion:198 Resp: 354

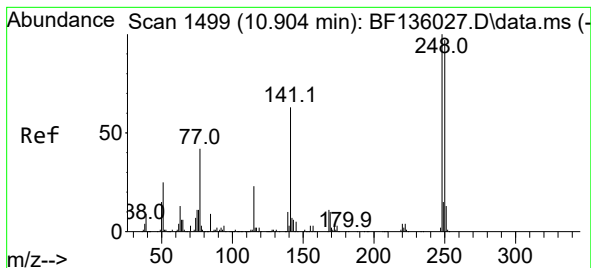
Ion Ratio Lower Upper

198 100

51 441.6 12.9 52.9#

105 290.1 16.0 56.0#

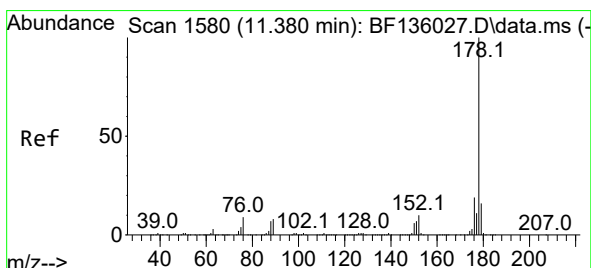
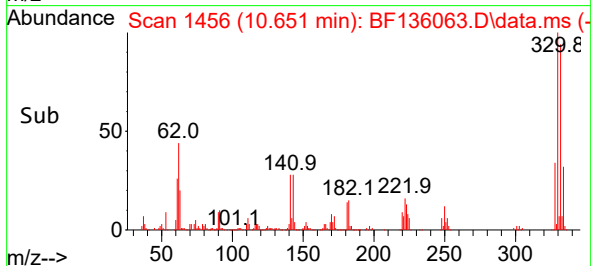
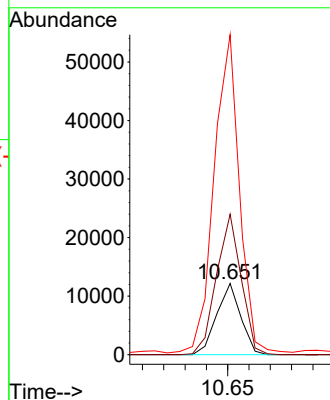
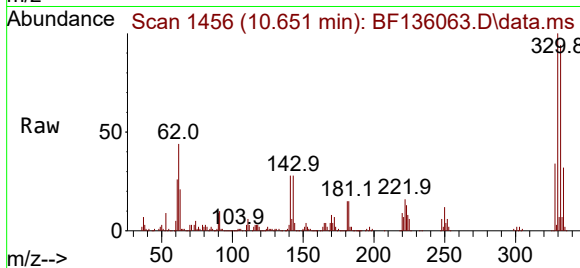




#67
4-Bromophenyl-phenylether
Concen: 2.648 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.253 min
Lab File: BF136063.D
Acq: 31 Oct 2023 21:12

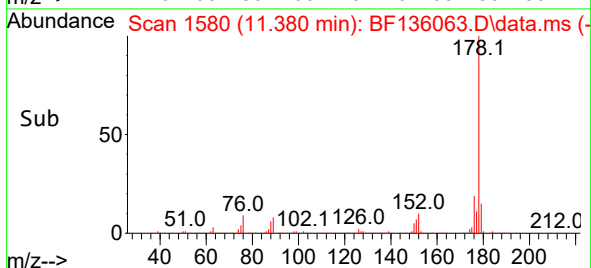
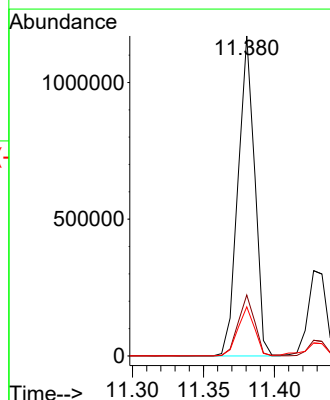
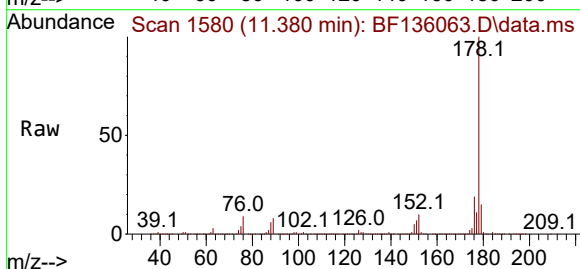
Instrument :
BNA_F
ClientSampleId :
WC-3RE

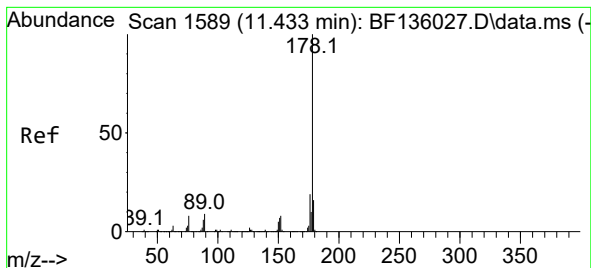
Tgt Ion:248 Resp: 9544
Ion Ratio Lower Upper
248 100
250 197.4 77.6 116.4#
141 449.6 50.4 75.6#



#71
Phenanthrene
Concen: 55.066 ng
RT: 11.380 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF136063.D
Acq: 31 Oct 2023 21:12

Tgt Ion:178 Resp: 953173
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.3 12.9 19.3





#72

Anthracene

Concen: 15.441 ng

RT: 11.428 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136063.D

Acq: 31 Oct 2023 21:12

Instrument :

BNA_F

ClientSampleId :

WC-3RE

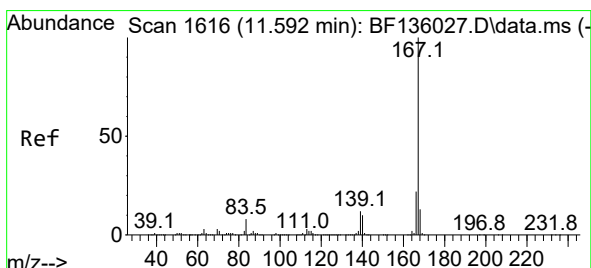
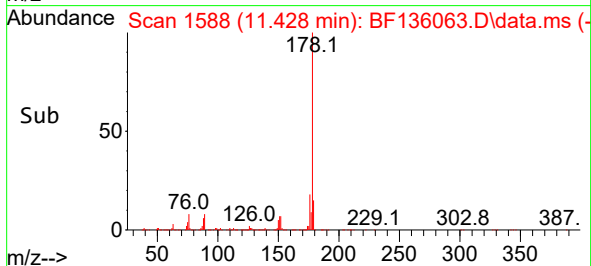
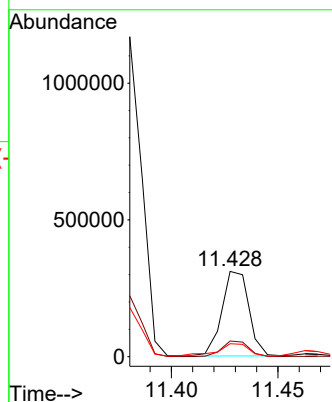
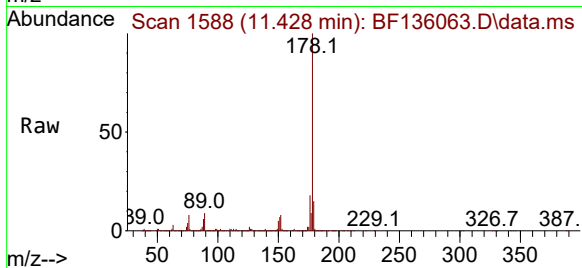
Tgt Ion:178 Resp: 273870

Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.4

179 15.2 12.6 18.8



#73

Carbazole

Concen: 3.287 ng

RT: 11.586 min Scan# 1615

Delta R.T. -0.006 min

Lab File: BF136063.D

Acq: 31 Oct 2023 21:12

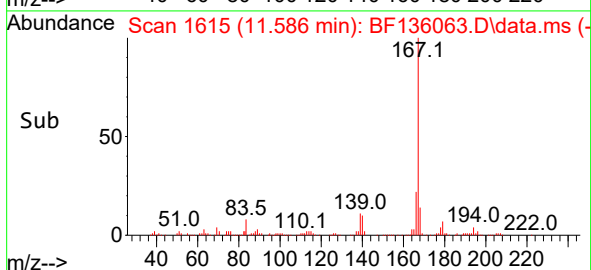
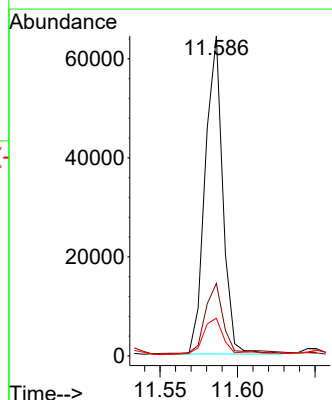
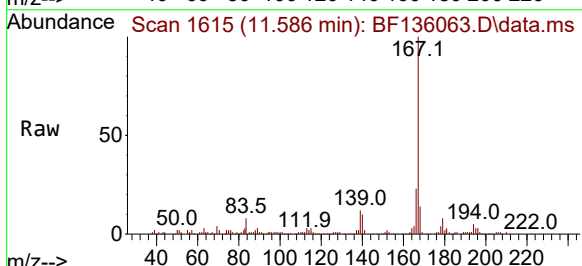
Tgt Ion:167 Resp: 50663

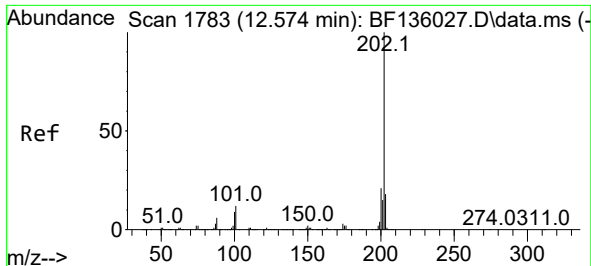
Ion Ratio Lower Upper

167 100

166 22.7 17.2 25.8

139 11.8 9.9 14.9

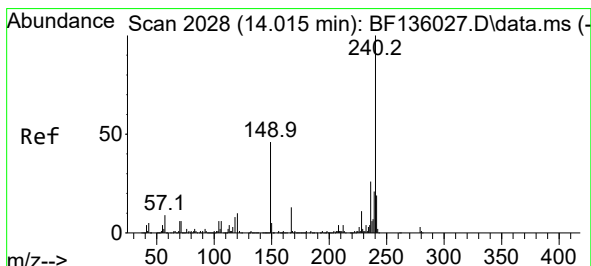
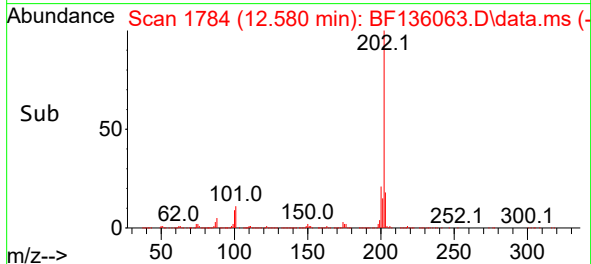
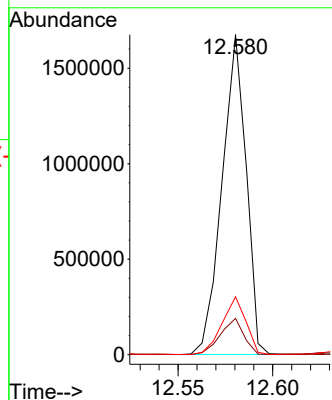
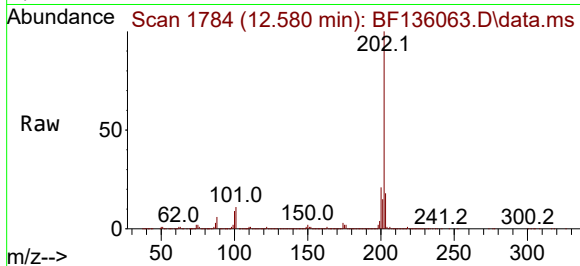




#75
Fluoranthene
Concen: 83.309 ng
RT: 12.580 min Scan# 1783
Delta R.T. 0.006 min
Lab File: BF136063.D
Acq: 31 Oct 2023 21:12

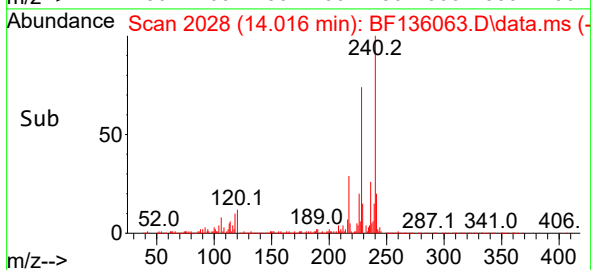
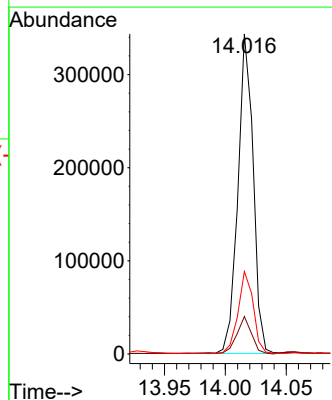
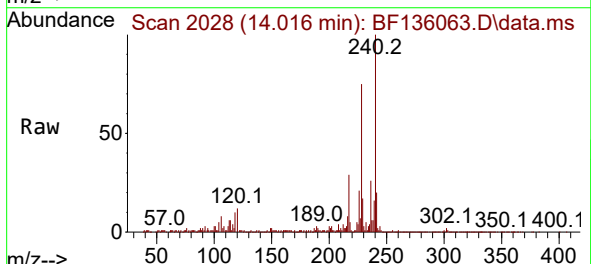
Instrument :
BNA_F
ClientSampleId :
WC-3RE

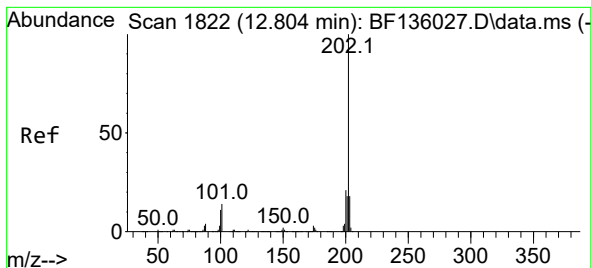
Tgt Ion:202 Resp: 1481420
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.8
203 18.1 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF136063.D
Acq: 31 Oct 2023 21:12

Tgt Ion:240 Resp: 299446
Ion Ratio Lower Upper
240 100
120 11.7 7.6 11.4#
236 25.7 20.6 31.0





#78

Pyrene

Concen: 52.474 ng

RT: 12.810 min Scan# 1823

Delta R.T. 0.006 min

Lab File: BF136063.D

Acq: 31 Oct 2023 21:12

Instrument :

BNA_F

ClientSampleId :

WC-3RE

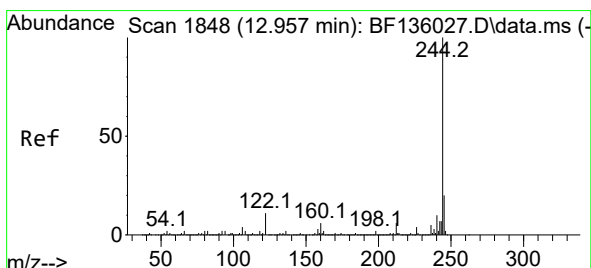
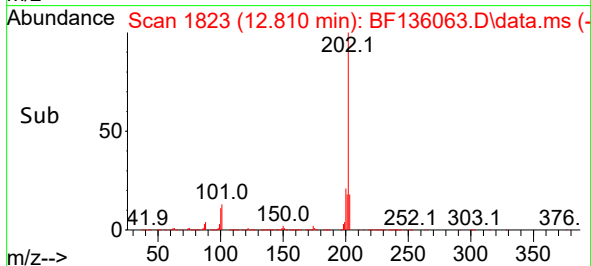
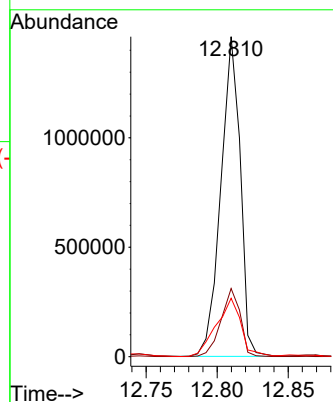
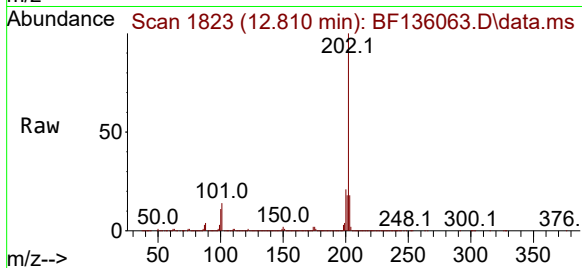
Tgt Ion:202 Resp: 1385333

Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.4

203 18.3 14.4 21.6



#79

Terphenyl-d14

Concen: 38.547 ng

RT: 12.957 min Scan# 1848

Delta R.T. 0.000 min

Lab File: BF136063.D

Acq: 31 Oct 2023 21:12

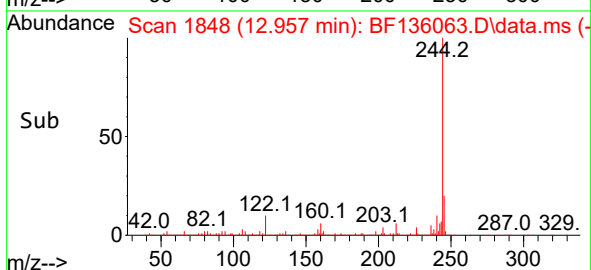
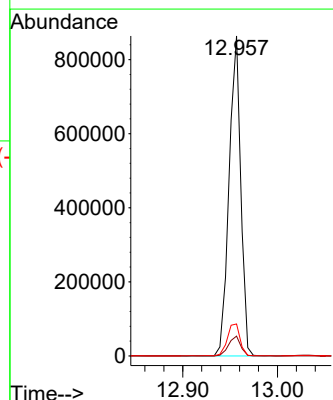
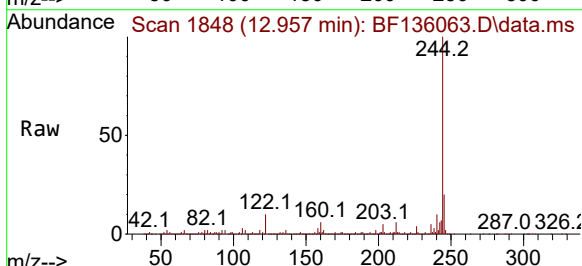
Tgt Ion:244 Resp: 742755

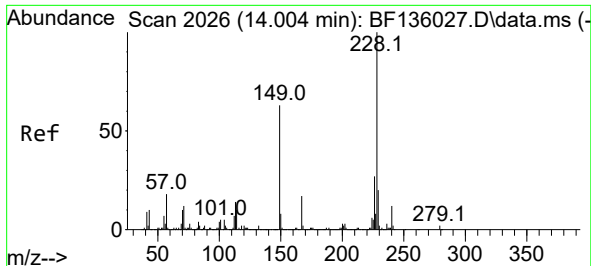
Ion Ratio Lower Upper

244 100

212 6.2 5.1 7.7

122 10.0 8.6 12.8

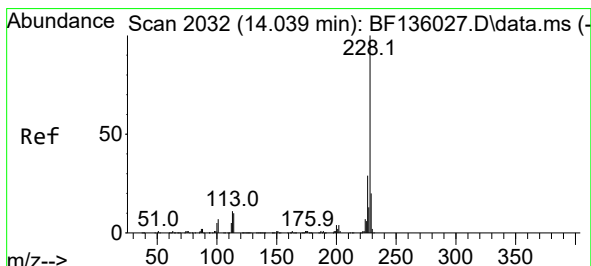
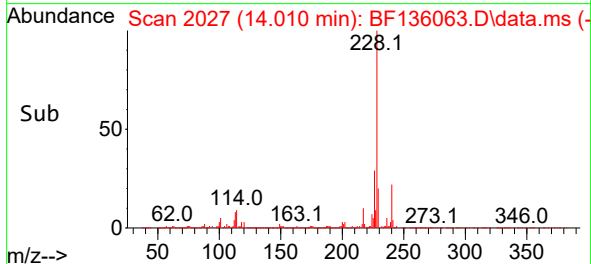
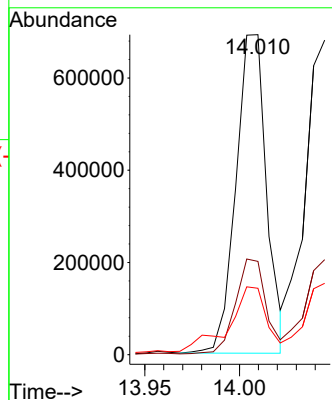
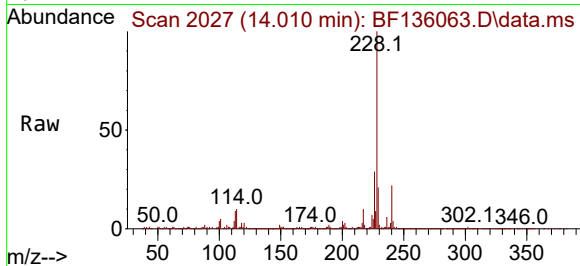




#81
Benzo(a)anthracene
Concen: 39.168 ng
RT: 14.010 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF136063.D
Acq: 31 Oct 2023 21:12

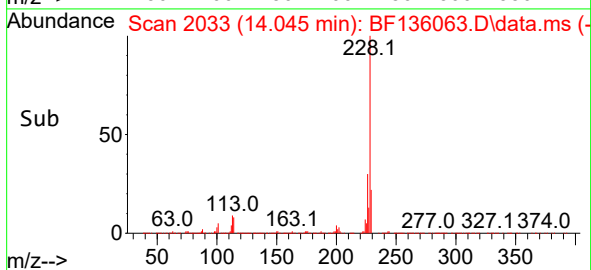
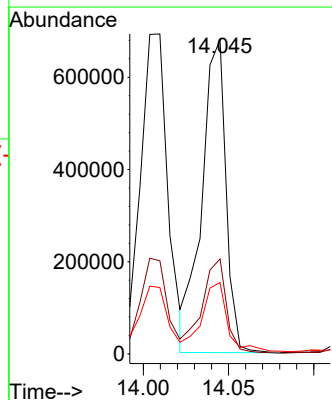
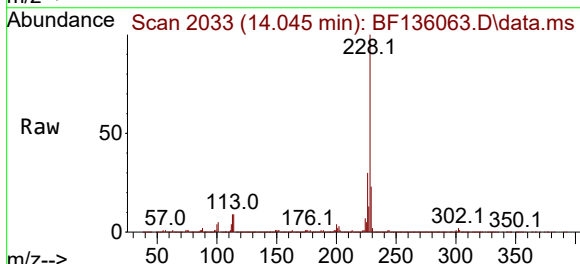
Instrument :
BNA_F
ClientSampleId :
WC-3RE

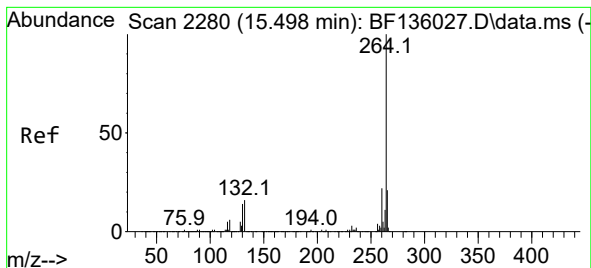
Tgt Ion:228 Resp: 776479
Ion Ratio Lower Upper
228 100
226 29.2 21.5 32.3
229 20.8 15.8 23.6



#83
Chrysene
Concen: 34.304 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.006 min
Lab File: BF136063.D
Acq: 31 Oct 2023 21:12

Tgt Ion:228 Resp: 669735
Ion Ratio Lower Upper
228 100
226 30.2 23.5 35.3
229 22.7 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF136063.D

Acq: 31 Oct 2023 21:12

Instrument :

BNA_F

ClientSampleId :

WC-3RE

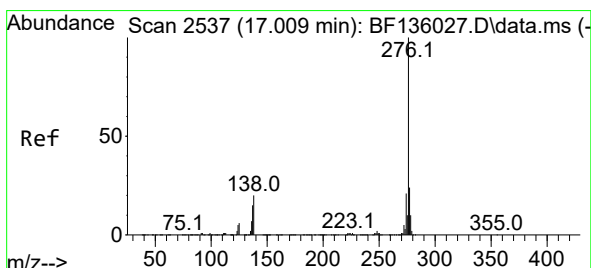
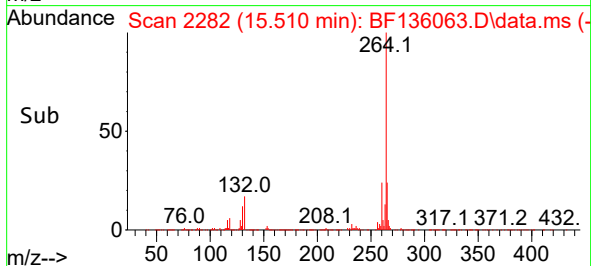
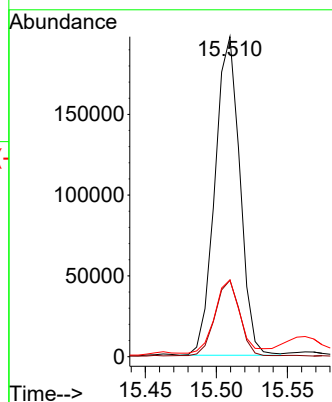
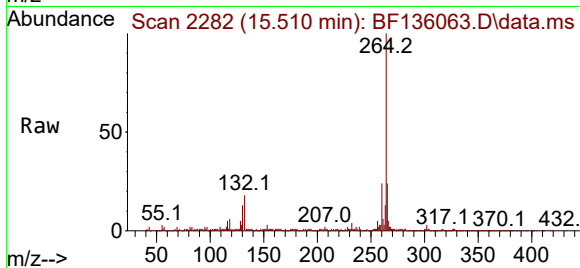
Tgt Ion:264 Resp: 240688

Ion Ratio Lower Upper

264 100

260 23.9 17.9 26.9

265 24.0 16.8 25.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 12.946 ng

RT: 17.021 min Scan# 2539

Delta R.T. 0.012 min

Lab File: BF136063.D

Acq: 31 Oct 2023 21:12

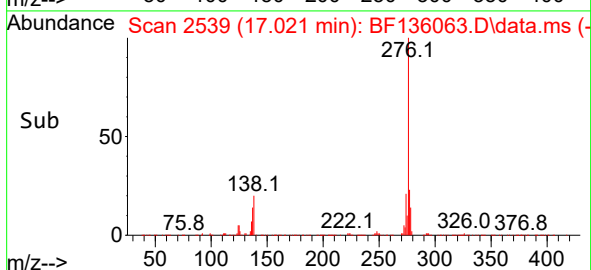
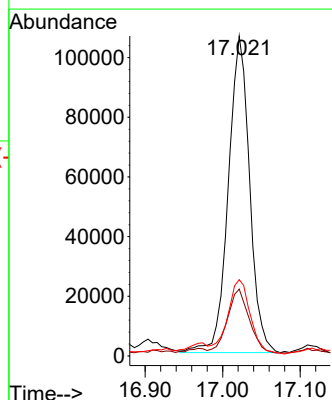
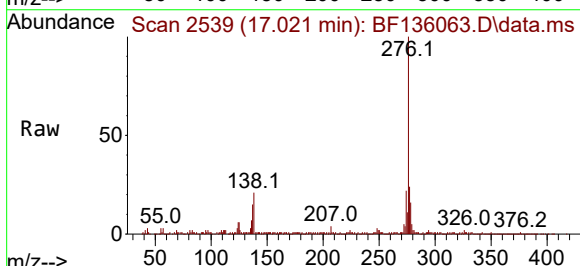
Tgt Ion:276 Resp: 203653

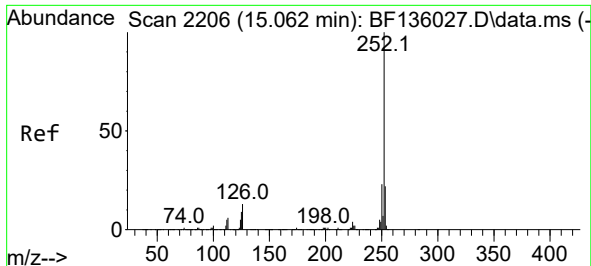
Ion Ratio Lower Upper

276 100

138 20.6 20.4 30.6

277 25.2 20.2 30.2

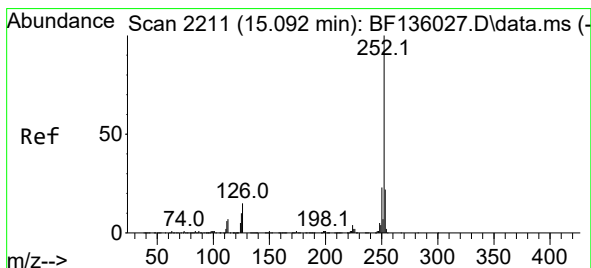
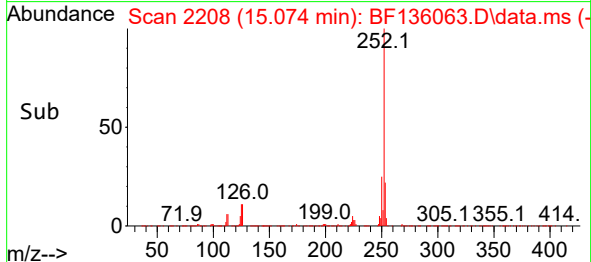
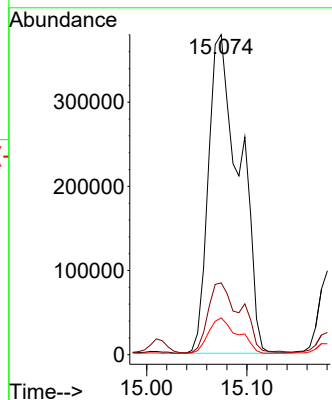
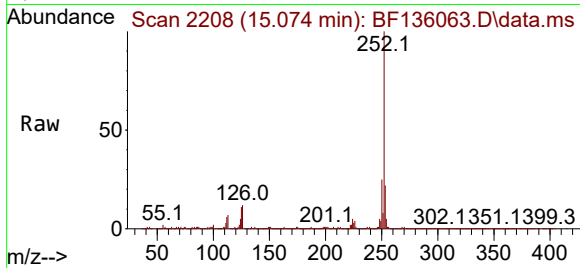




#88
Benzo(b)fluoranthene
Concen: 57.631 ng
RT: 15.074 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF136063.D
Acq: 31 Oct 2023 21:12

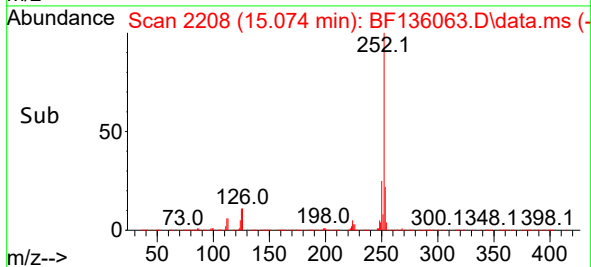
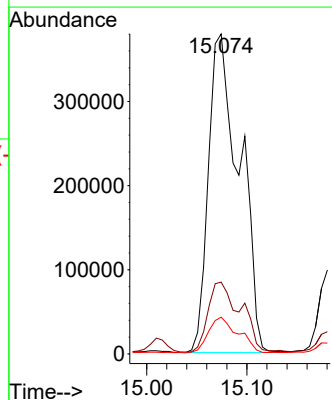
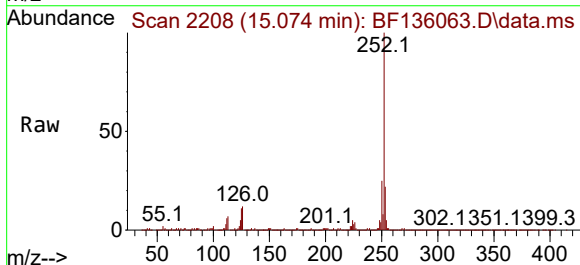
Instrument :
BNA_F
ClientSampleId :
WC-3RE

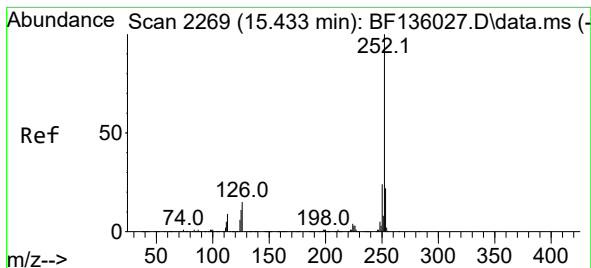
Tgt Ion:252 Resp: 820775
Ion Ratio Lower Upper
252 100
253 22.4 17.7 26.5
125 11.5 7.5 11.3#



#89
Benzo(k)fluoranthene
Concen: 58.246 ng
RT: 15.074 min Scan# 2208
Delta R.T. -0.017 min
Lab File: BF136063.D
Acq: 31 Oct 2023 21:12

Tgt Ion:252 Resp: 820775
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.0
125 11.5 8.0 12.0





#90

Benzo(a)pyrene

Concen: 31.372 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF136063.D

Acq: 31 Oct 2023 21:12

Instrument :

BNA_F

ClientSampleId :

WC-3RE

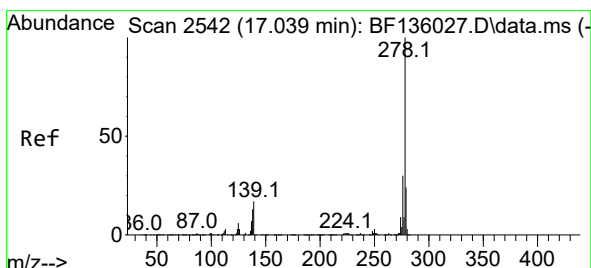
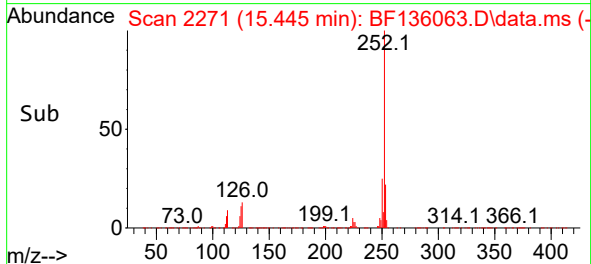
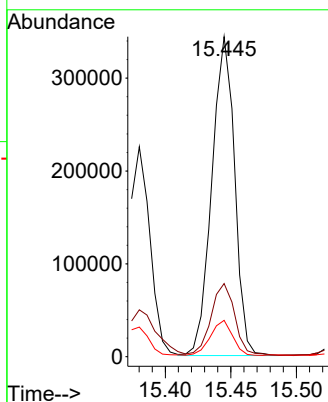
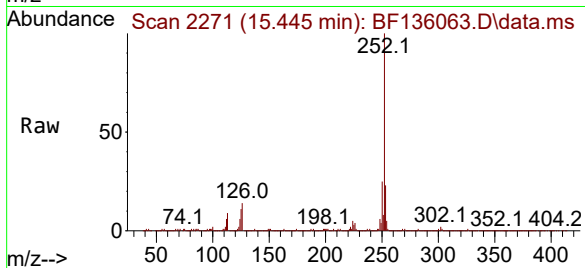
Tgt Ion:252 Resp: 415147

Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

125 11.4 9.0 13.6



#91

Dibenzo(a,h)anthracene

Concen: 4.236 ng

RT: 17.039 min Scan# 2542

Delta R.T. 0.000 min

Lab File: BF136063.D

Acq: 31 Oct 2023 21:12

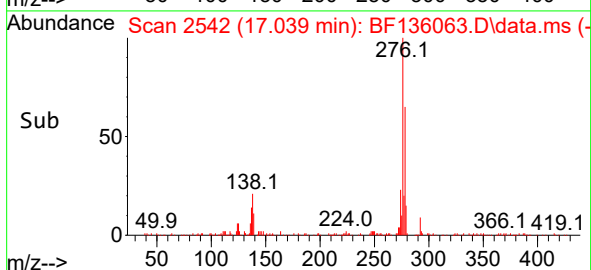
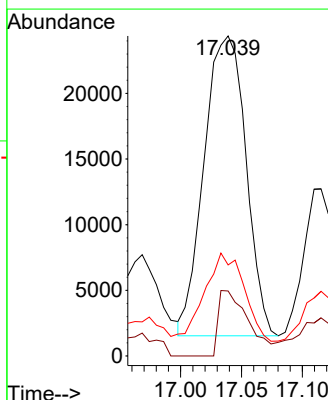
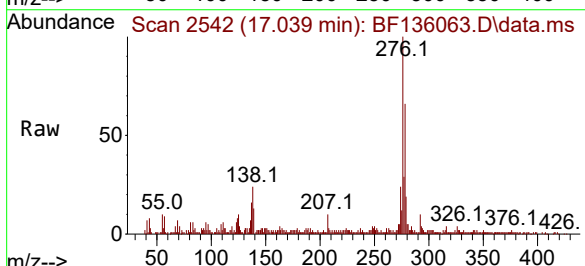
Tgt Ion:278 Resp: 54583

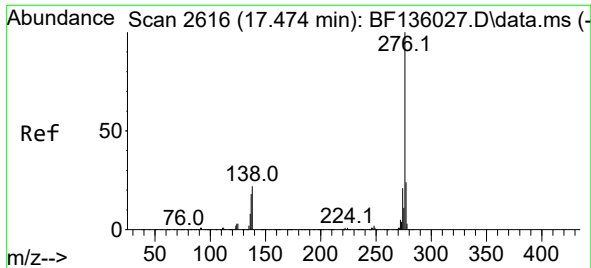
Ion Ratio Lower Upper

278 100

139 20.3 13.7 20.5

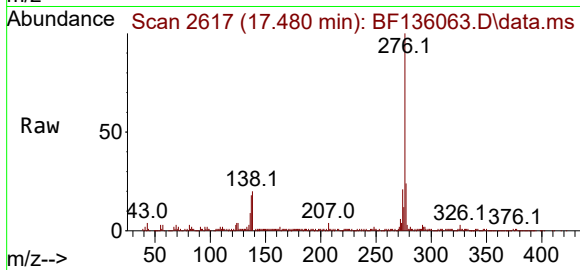
279 28.4 19.0 28.6





#92
Benzo(g,h,i)perylene
Concen: 14.362 ng
RT: 17.480 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF136063.D
Acq: 31 Oct 2023 21:12

Instrument :
BNA_F
ClientSampleId :
WC-3RE



Tgt Ion: 276 Resp: 179022
Ion Ratio Lower Upper
276 100
277 23.9 19.0 28.4
138 20.4 17.4 26.2

