

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092122\
 Data File : BF130362.D
 Acq On : 21 Sep 2022 15:28
 Operator : CG\JU
 Sample : N4630-01DL 20X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-17-4-1DL

Quant Time: Sep 21 16:02:19 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 19 15:06:14 2022
 Response via : Initial Calibration

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

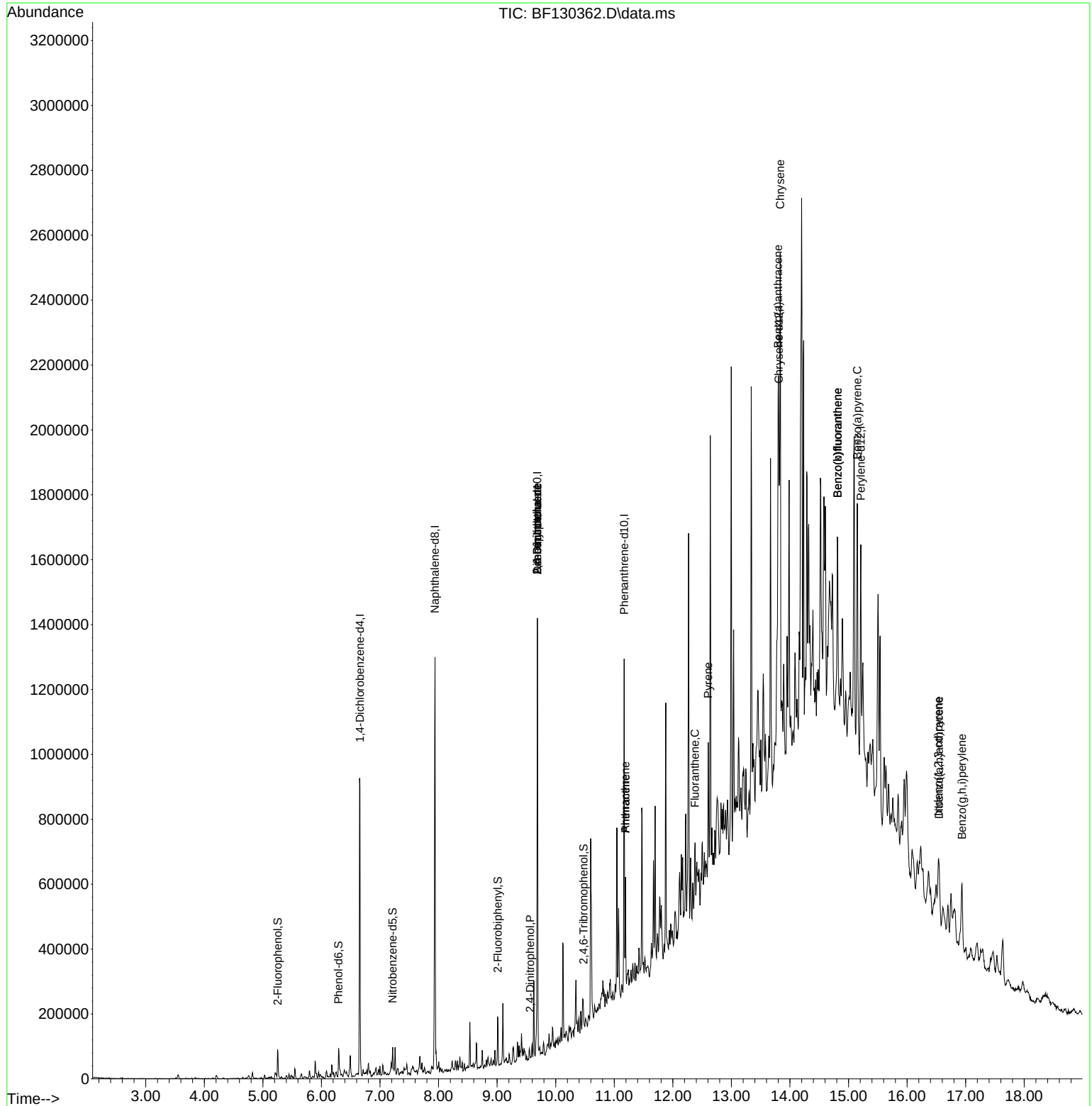
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.657	152	138387	20.000	ng	0.00
21) Naphthalene-d8	7.939	136	530648	20.000	ng	0.00
39) Acenaphthene-d10	9.686	164	247306	20.000	ng	0.00
64) Phenanthrene-d10	11.169	188	327645	20.000	ng	0.00
76) Chrysene-d12	13.810	240	252193	20.000	ng	0.00
86) Perylene-d12	15.209	264	264388	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.251	112	27158	3.404	ng	0.00
7) Phenol-d6	6.292	99	34758	3.482	ng	0.00
23) Nitrobenzene-d5	7.216	82	22544	2.170	ng	-0.02
42) 2,4,6-Tribromophenol	10.474	330	6640	2.802	ng	0.00
45) 2-Fluorobiphenyl	9.010	172	42183	2.484	ng	-0.01
79) Terphenyl-d14	12.751	244	29695	1.950	ng	0.00
Target Compounds						
						Qvalue
50) Dimethylphthalate	9.686	163	46864	2.743	ng	# 1
51) 2,6-Dinitrotoluene	9.686	165	33520	9.382	ng	# 17
54) 2,4-Dinitrophenol	9.563	184	168	6.334	ng	# 47
57) 2,4-Dinitrotoluene	9.686	165	33520	7.341	ng	# 17
71) Phenanthrene	11.192	178	109082	5.930	ng	99
72) Anthracene	11.192	178	109082	6.145	ng	100
75) Fluoranthene	12.374	202	52510	2.954	ng	95
78) Pyrene	12.604	202	153339	6.950	ng	99
81) Benzo(a)anthracene	13.798	228	363994	21.696	ng	96
83) Chrysene	13.833	228	704833	44.246	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.533	276	92646	4.941	ng	97
88) Benzo(b)fluoranthene	14.815	252	274664	15.917	ng	95
89) Benzo(k)fluoranthene	14.815	252	274664	16.180	ng	95
90) Benzo(a)pyrene	15.151	252	266411	19.487	ng	96
91) Dibenzo(a,h)anthracene	16.545	278	124131	8.071	ng	# 85
92) Benzo(g,h,i)perylene	16.939	276	151011	9.747	ng	96

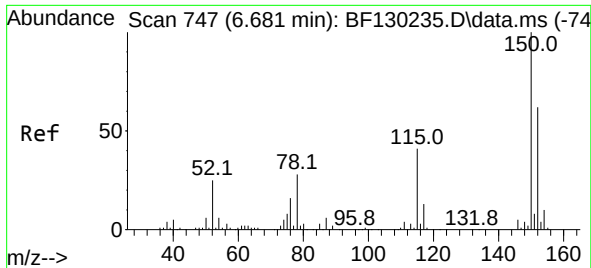
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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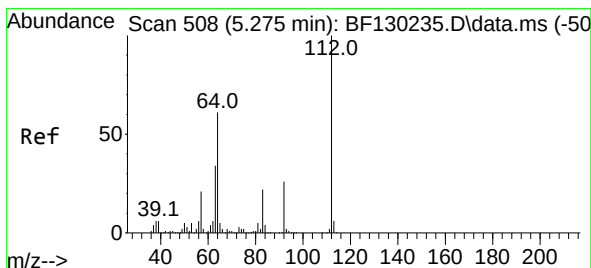
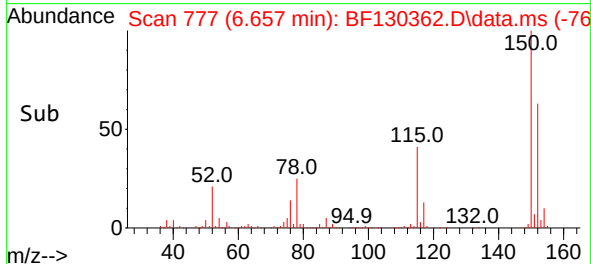
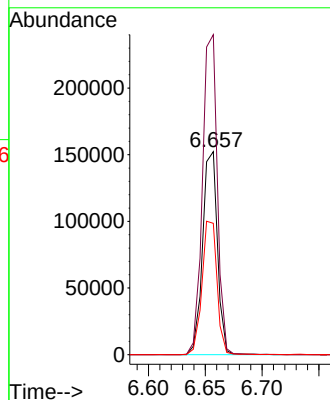
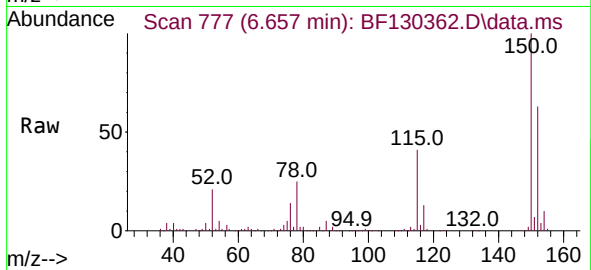




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.657 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130362.D
Acq: 21 Sep 2022 15:28

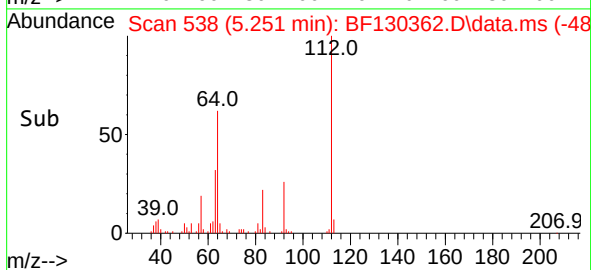
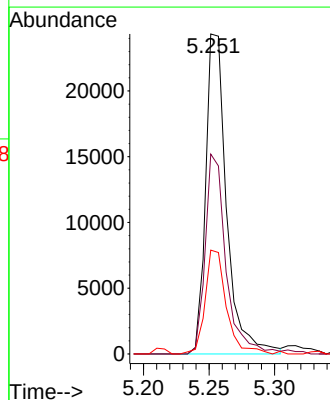
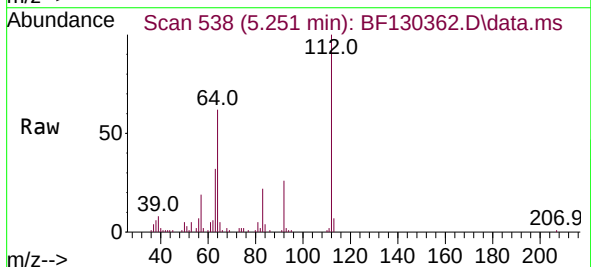
Instrument :
BNA_F
ClientSampleId :
WC-17-4-1DL

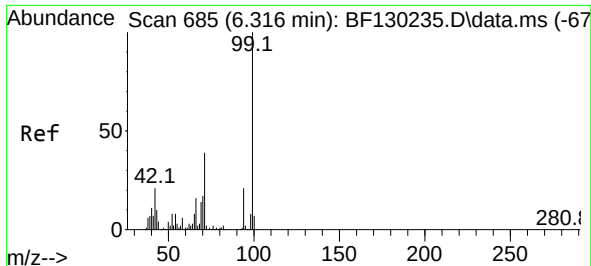
Tgt Ion:152 Resp: 138387
Ion Ratio Lower Upper
152 100
150 157.6 122.8 184.2
115 64.7 53.8 80.8



#5
2-Fluorophenol
Concen: 3.404 ng
RT: 5.251 min Scan# 538
Delta R.T. -0.006 min
Lab File: BF130362.D
Acq: 21 Sep 2022 15:28

Tgt Ion:112 Resp: 27158
Ion Ratio Lower Upper
112 100
64 62.5 51.4 77.0
63 32.5 28.8 43.2

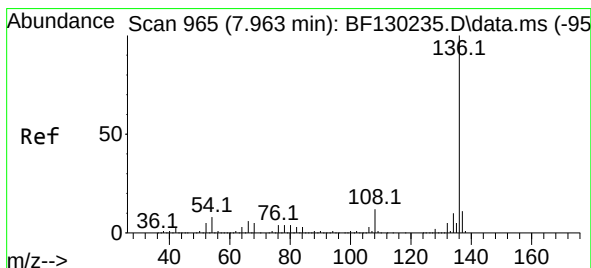
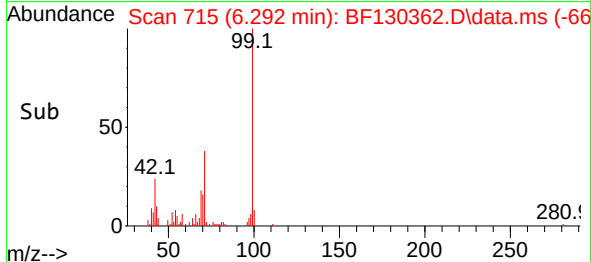
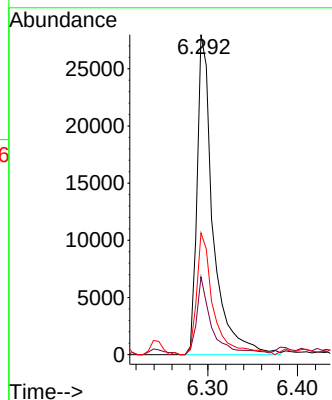
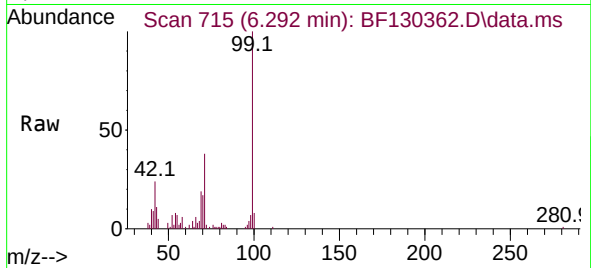




#7
Phenol-d6
Concen: 3.482 ng
RT: 6.292 min Scan# 715
Delta R.T. -0.006 min
Lab File: BF130362.D
Acq: 21 Sep 2022 15:28

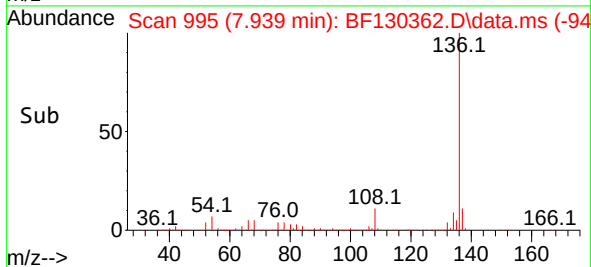
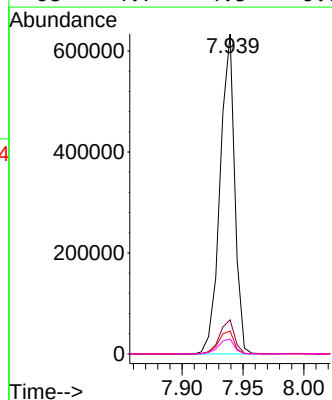
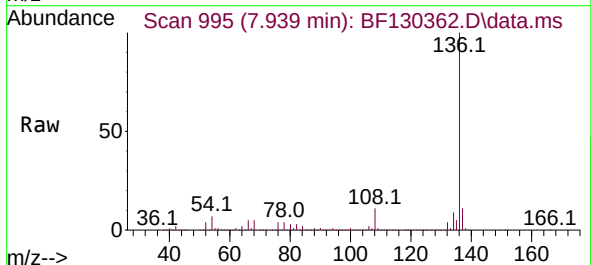
Instrument :
BNA_F
ClientSampleId :
WC-17-4-1DL

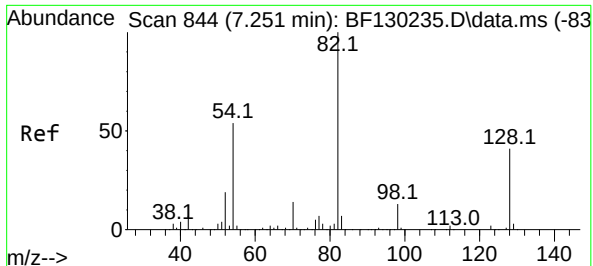
Tgt Ion: 99 Resp: 34758
Ion Ratio Lower Upper
99 100
42 24.3 17.0 25.6
71 38.1 32.3 48.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.939 min Scan# 995
Delta R.T. -0.006 min
Lab File: BF130362.D
Acq: 21 Sep 2022 15:28

Tgt Ion: 136 Resp: 530648
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 7.1 7.1 10.7
68 4.7 4.5 6.7





#23

Nitrobenzene-d5

Concen: 2.170 ng

RT: 7.216 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF130362.D

Acq: 21 Sep 2022 15:28

Instrument :

BNA_F

ClientSampleId :

WC-17-4-1DL

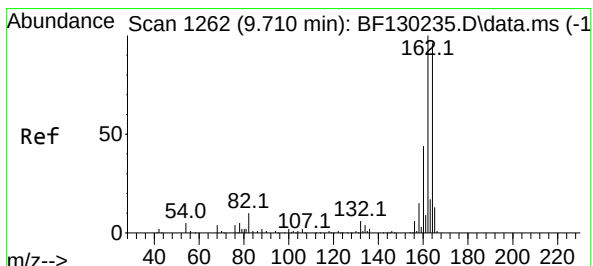
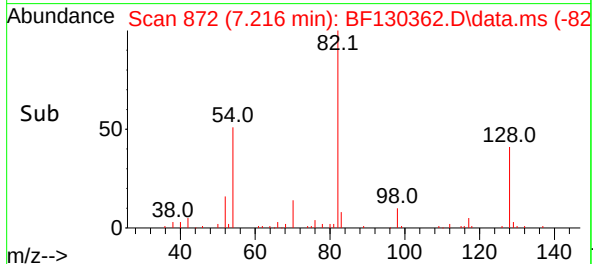
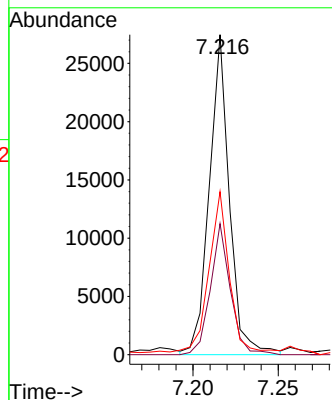
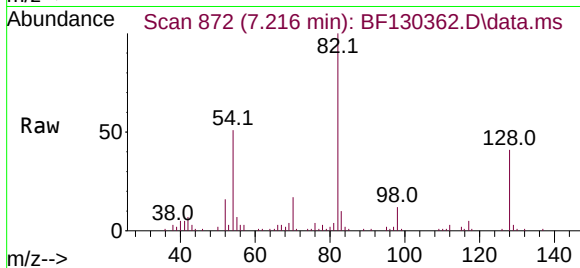
Tgt Ion: 82 Resp: 22544

Ion Ratio Lower Upper

82 100

128 40.9 32.6 49.0

54 50.9 43.8 65.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.686 min Scan# 1292

Delta R.T. -0.006 min

Lab File: BF130362.D

Acq: 21 Sep 2022 15:28

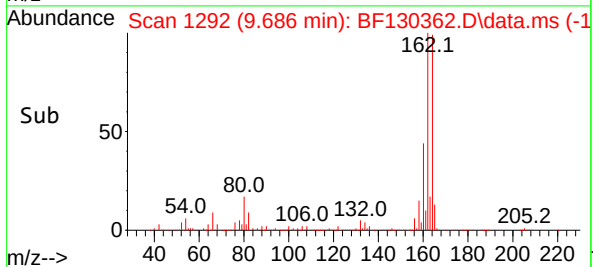
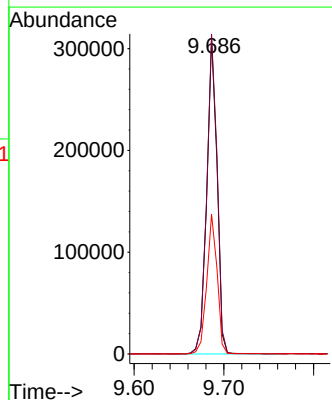
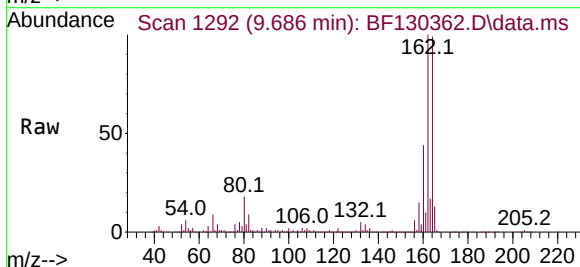
Tgt Ion: 164 Resp: 247306

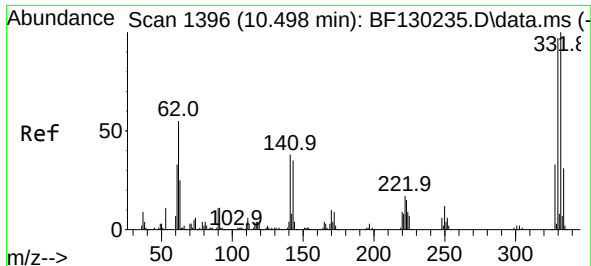
Ion Ratio Lower Upper

164 100

162 101.3 81.4 122.0

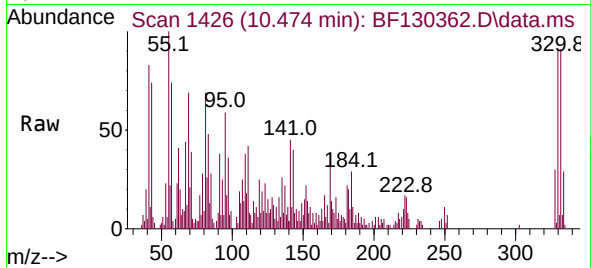
160 44.2 36.2 54.4



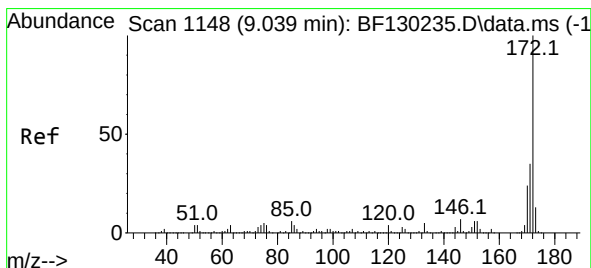
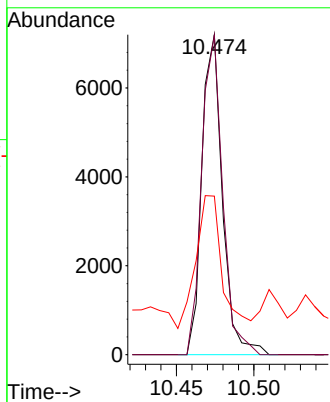
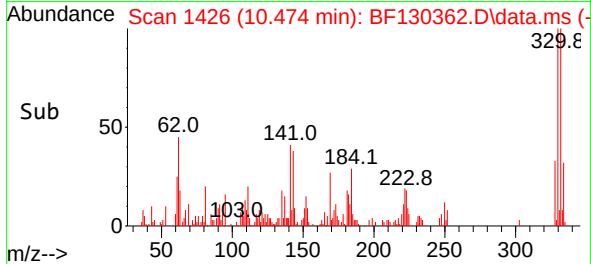


#42
2,4,6-Tribromophenol
Concen: 2.802 ng
RT: 10.474 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF130362.D
Acq: 21 Sep 2022 15:28

Instrument :
BNA_F
ClientSampleId :
WC-17-4-1DL

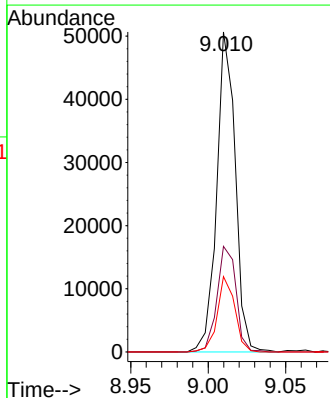
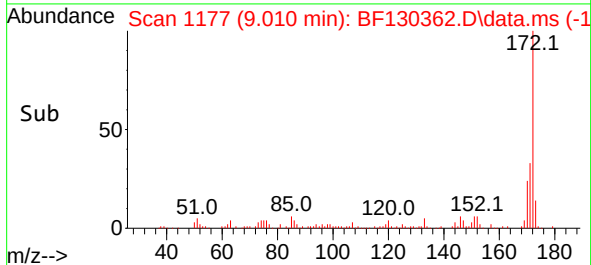
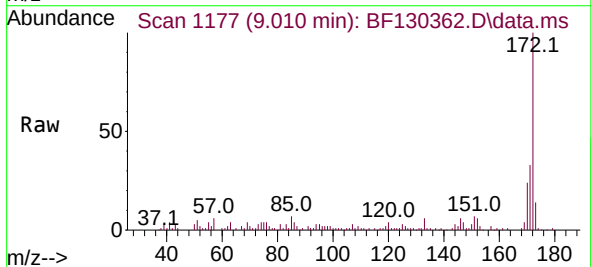


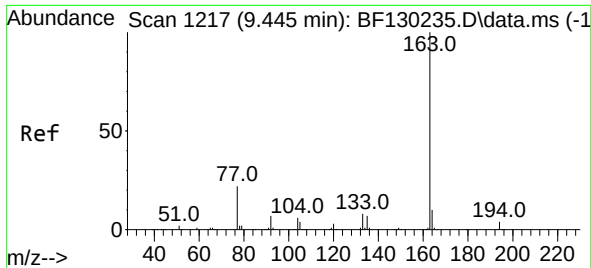
Tgt Ion: 330 Resp: 6640
Ion Ratio Lower Upper
330 100
332 102.0 83.4 125.2
141 52.0 34.0 51.0#



#45
2-Fluorobiphenyl
Concen: 2.484 ng
RT: 9.010 min Scan# 1177
Delta R.T. -0.012 min
Lab File: BF130362.D
Acq: 21 Sep 2022 15:28

Tgt Ion: 172 Resp: 42183
Ion Ratio Lower Upper
172 100
171 33.0 28.3 42.5
170 23.5 18.7 28.1

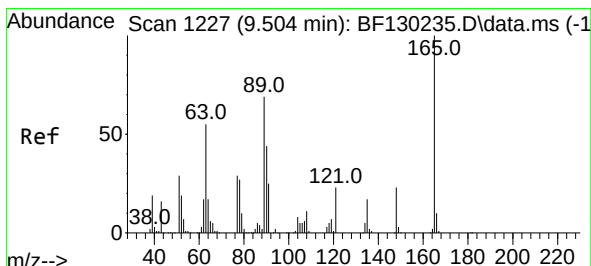
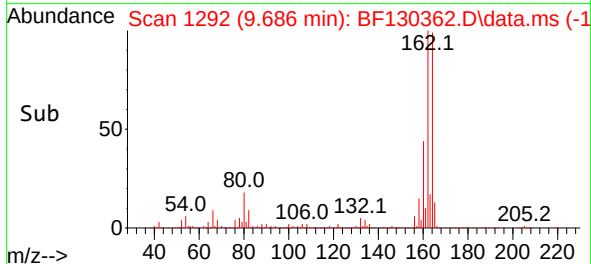
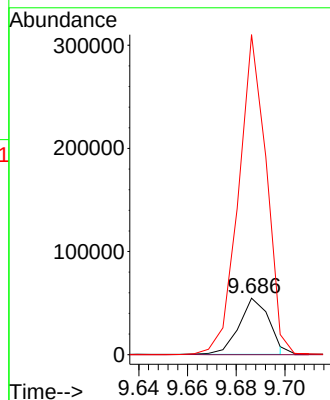
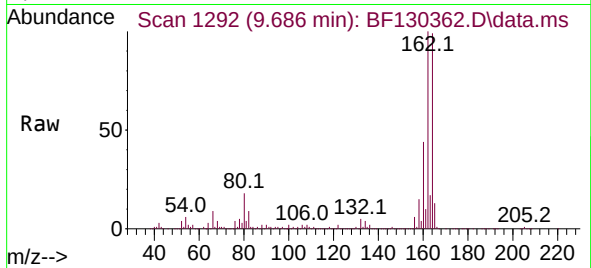




#50
Dimethylphthalate
Concen: 2.743 ng
RT: 9.686 min Scan# 1292
Delta R.T. 0.259 min
Lab File: BF130362.D
Acq: 21 Sep 2022 15:28

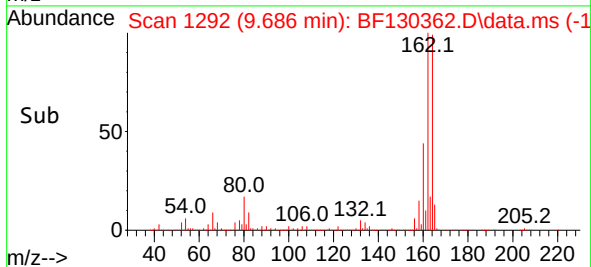
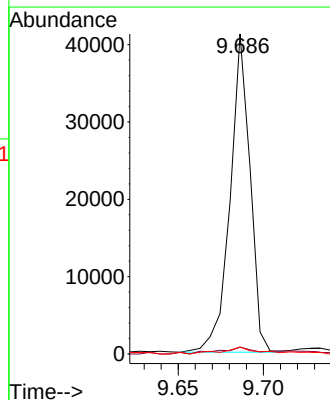
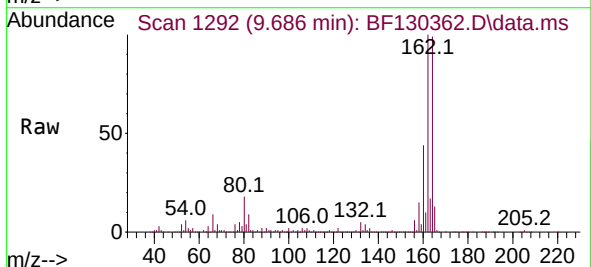
Instrument :
BNA_F
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WC-17-4-1DL

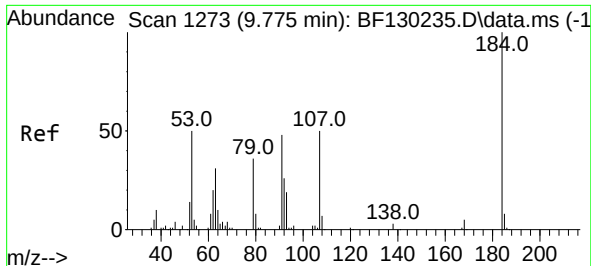
Tgt Ion:163 Resp: 46864
Ion Ratio Lower Upper
163 100
194 0.0 2.8 4.2#
164 566.7 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 9.382 ng
RT: 9.686 min Scan# 1292
Delta R.T. 0.200 min
Lab File: BF130362.D
Acq: 21 Sep 2022 15:28

Tgt Ion:165 Resp: 33520
Ion Ratio Lower Upper
165 100
63 2.2 58.8 88.2#
89 2.2 54.5 81.7#





#54

2,4-Dinitrophenol

Concen: 6.334 ng

RT: 9.563 min Scan# 1271

Delta R.T. -0.194 min

Lab File: BF130362.D

Acq: 21 Sep 2022 15:28

Instrument :

BNA_F

ClientSampleId :

WC-17-4-1DL

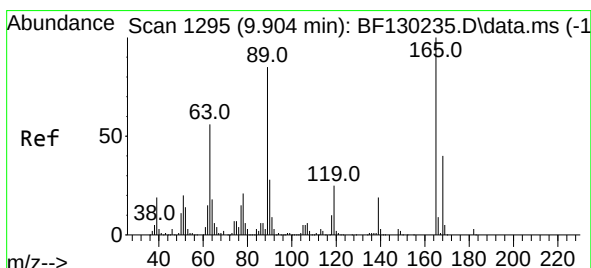
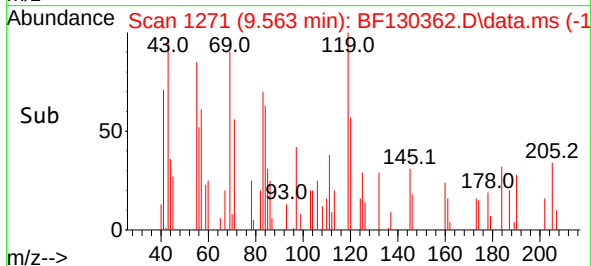
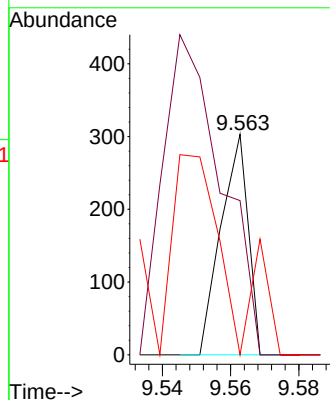
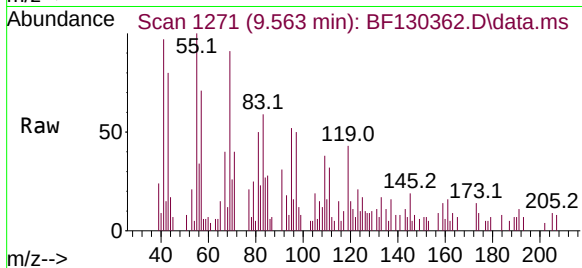
Tgt Ion:184 Resp: 168

Ion Ratio Lower Upper

184 100

63 70.0 70.0 105.0#

154 0.0 63.0 94.6#



#57

2,4-Dinitrotoluene

Concen: 7.341 ng

RT: 9.686 min Scan# 1292

Delta R.T. -0.200 min

Lab File: BF130362.D

Acq: 21 Sep 2022 15:28

Tgt Ion:165 Resp: 33520

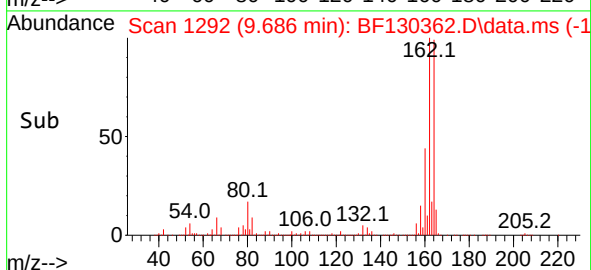
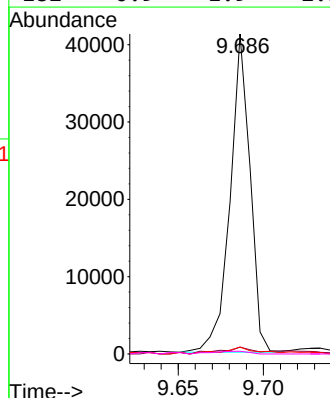
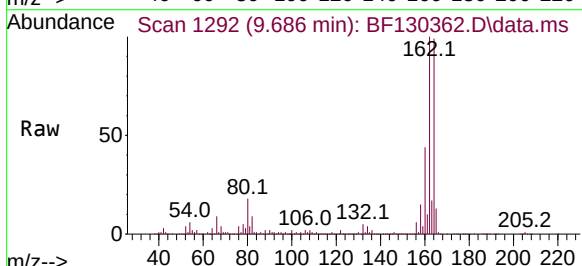
Ion Ratio Lower Upper

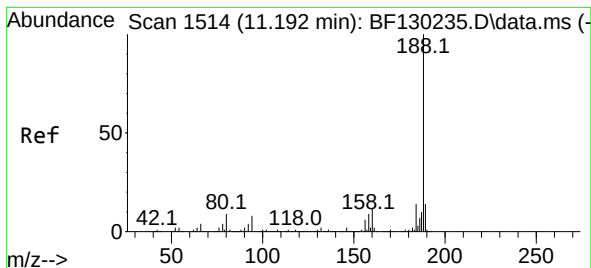
165 100

63 2.2 44.7 67.1#

89 2.2 69.0 103.4#

182 0.9 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130362.D

Acq: 21 Sep 2022 15:28

Instrument :

BNA_F

ClientSampleId :

WC-17-4-1DL

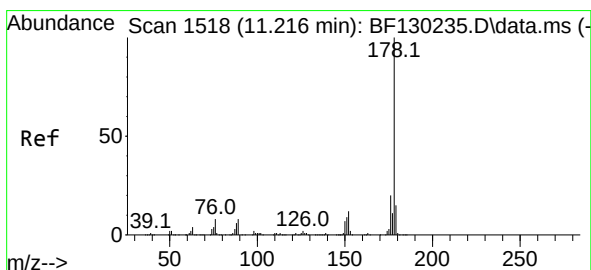
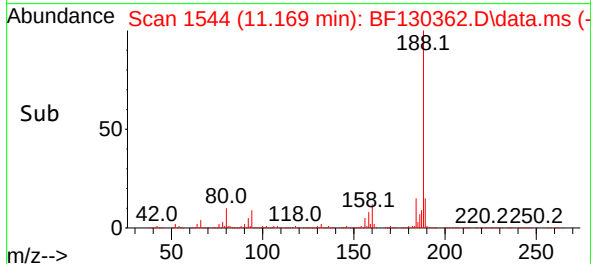
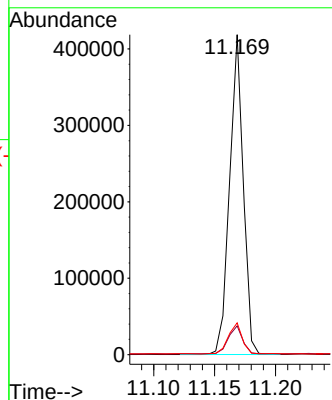
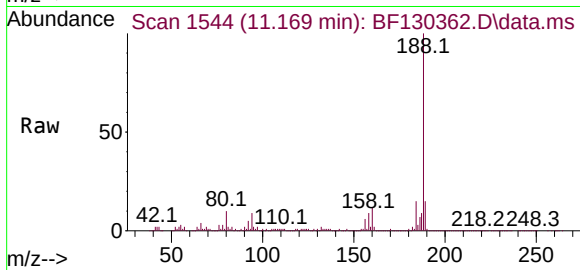
Tgt Ion:188 Resp: 327645

Ion Ratio Lower Upper

188 100

94 9.0 7.4 11.2

80 10.0 7.9 11.9



#71

Phenanthrene

Concen: 5.930 ng

RT: 11.192 min Scan# 1548

Delta R.T. -0.006 min

Lab File: BF130362.D

Acq: 21 Sep 2022 15:28

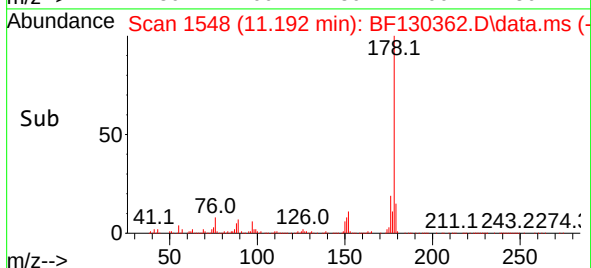
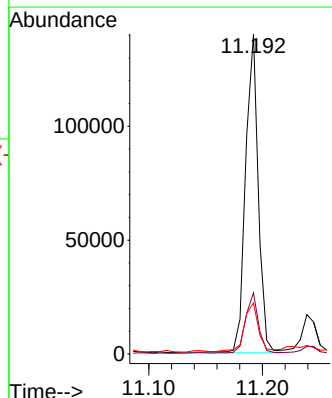
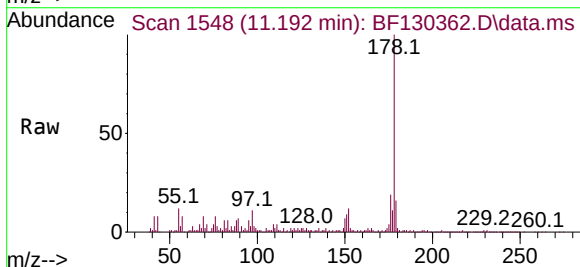
Tgt Ion:178 Resp: 109082

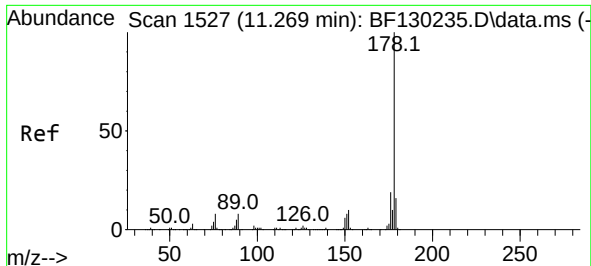
Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

179 15.9 12.4 18.6

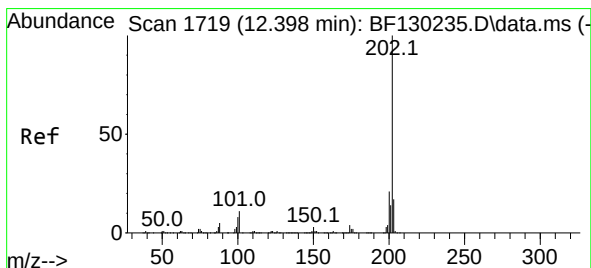
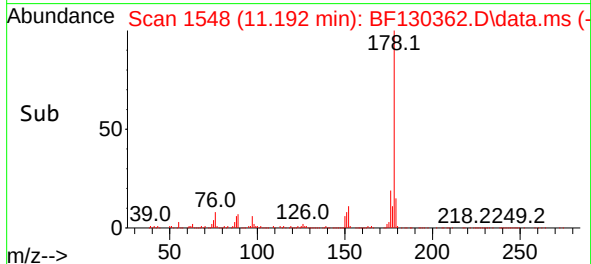
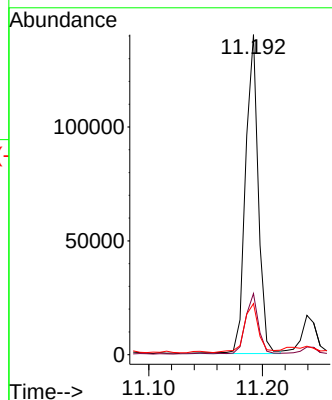
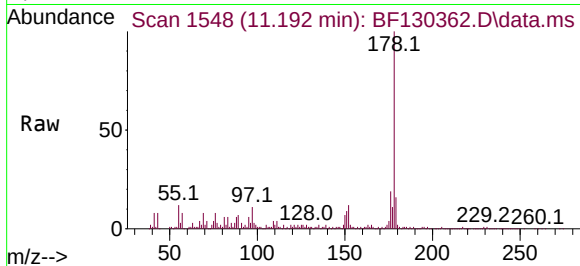




#72
 Anthracene
 Concen: 6.145 ng
 RT: 11.192 min Scan# 11
 Delta R.T. -0.059 min
 Lab File: BF130362.D
 Acq: 21 Sep 2022 15:28

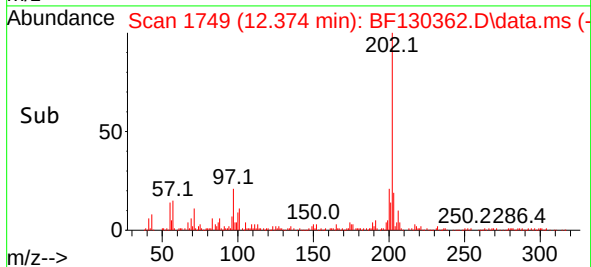
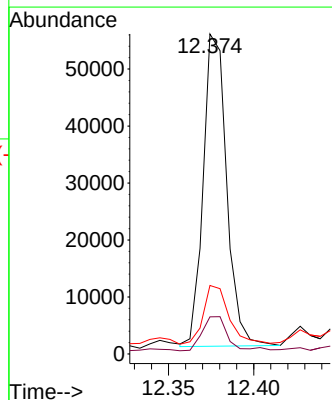
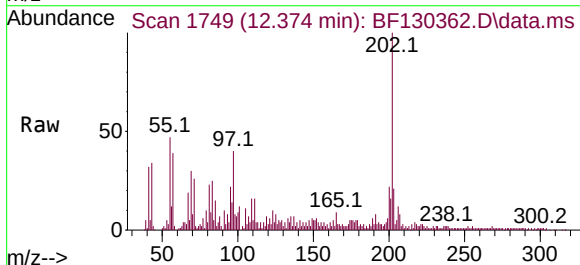
Instrument :
 BNA_F
 ClientSampleId :
 WC-17-4-1DL

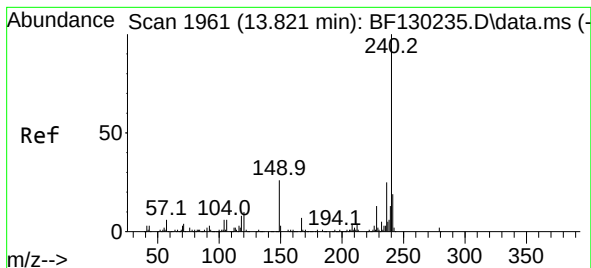
Tgt Ion:178 Resp: 109082
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.0 22.6
 179 15.9 12.7 19.1



#75
 Fluoranthene
 Concen: 2.954 ng
 RT: 12.374 min Scan# 1749
 Delta R.T. -0.006 min
 Lab File: BF130362.D
 Acq: 21 Sep 2022 15:28

Tgt Ion:202 Resp: 52510
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 31.8
 203 21.4 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.810 min Scan# 1961

Delta R.T. 0.006 min

Lab File: BF130362.D

Acq: 21 Sep 2022 15:28

Instrument :

BNA_F

ClientSampleId :

WC-17-4-1DL

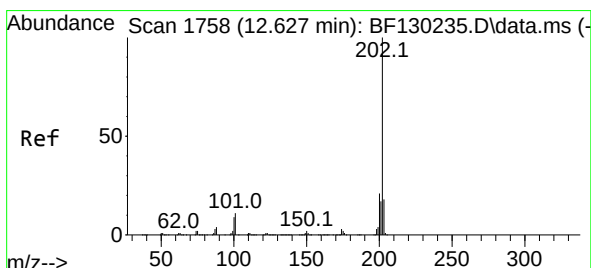
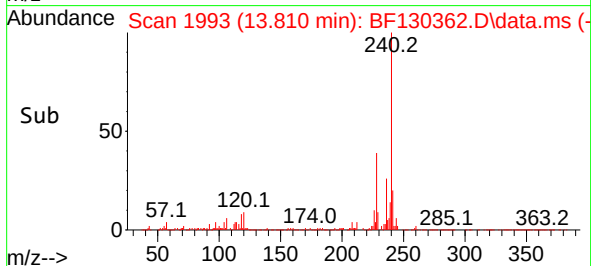
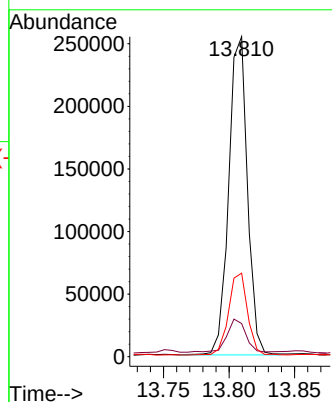
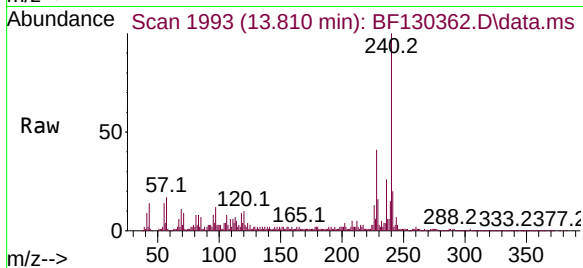
Tgt Ion:240 Resp: 252193

Ion Ratio Lower Upper

240 100

120 10.4 8.7 13.1

236 26.1 20.9 31.3



#78

Pyrene

Concen: 6.950 ng

RT: 12.604 min Scan# 1788

Delta R.T. -0.006 min

Lab File: BF130362.D

Acq: 21 Sep 2022 15:28

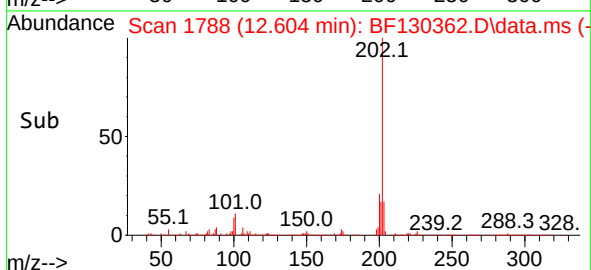
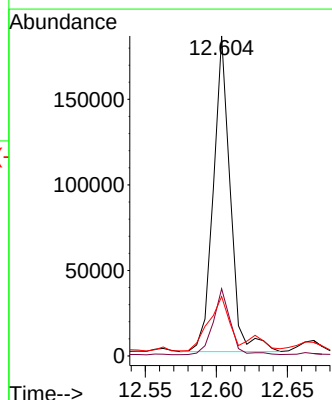
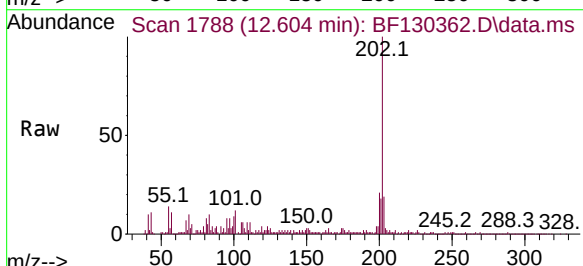
Tgt Ion:202 Resp: 153339

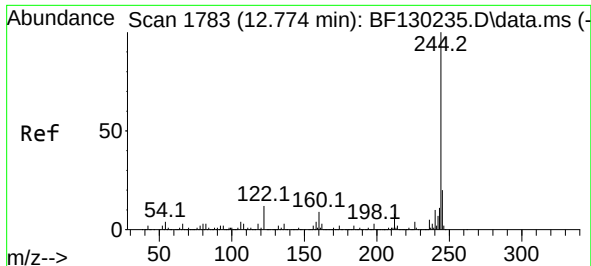
Ion Ratio Lower Upper

202 100

200 21.0 17.2 25.8

203 18.6 14.3 21.5

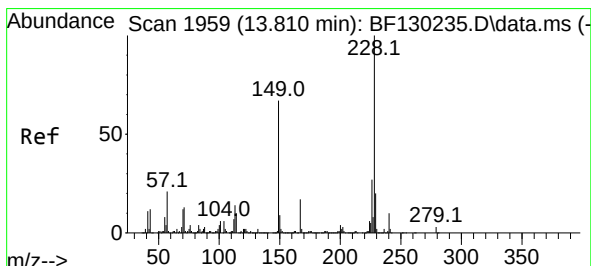
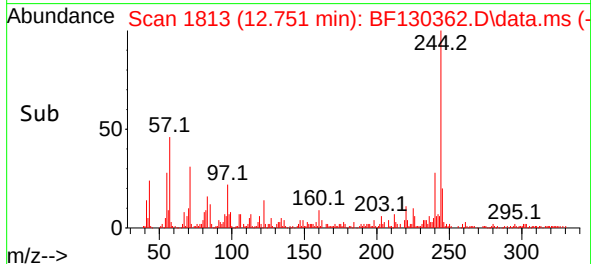
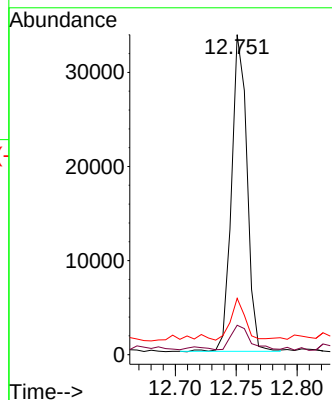
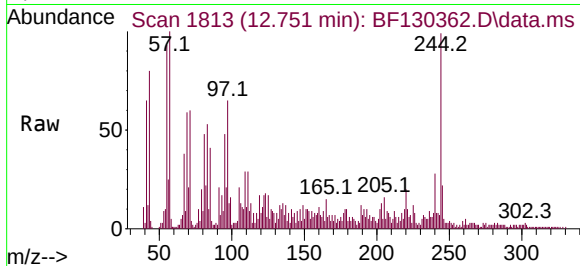




#79
 Terphenyl-d14
 Concen: 1.950 ng
 RT: 12.751 min Scan# 1813
 Delta R.T. -0.006 min
 Lab File: BF130362.D
 Acq: 21 Sep 2022 15:28

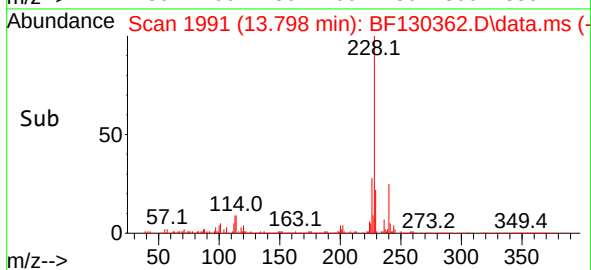
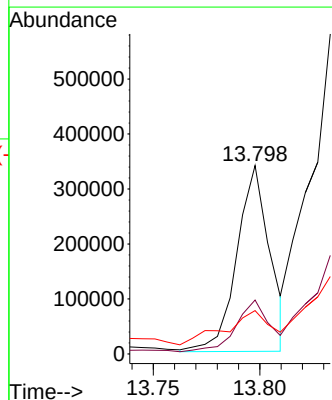
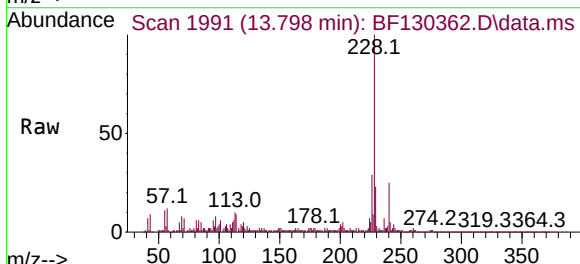
Instrument :
 BNA_F
 ClientSampleId :
 WC-17-4-1DL

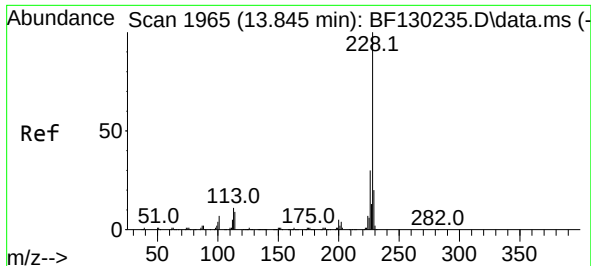
Tgt Ion:244 Resp: 29695
 Ion Ratio Lower Upper
 244 100
 212 9.2 5.9 8.9#
 122 17.6 8.5 12.7#



#81
 Benzo(a)anthracene
 Concen: 21.696 ng
 RT: 13.798 min Scan# 1991
 Delta R.T. 0.006 min
 Lab File: BF130362.D
 Acq: 21 Sep 2022 15:28

Tgt Ion:228 Resp: 363994
 Ion Ratio Lower Upper
 228 100
 226 28.6 21.9 32.9
 229 23.0 16.1 24.1

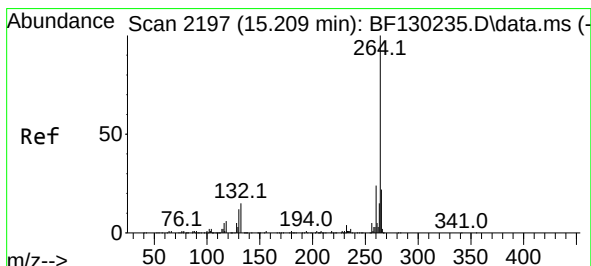
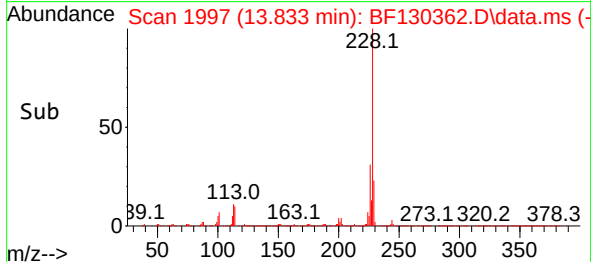
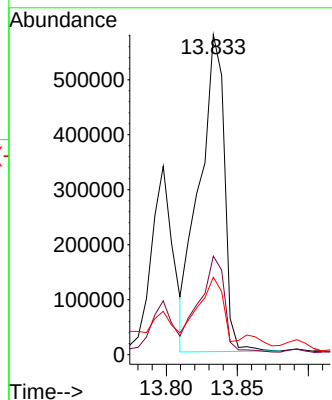
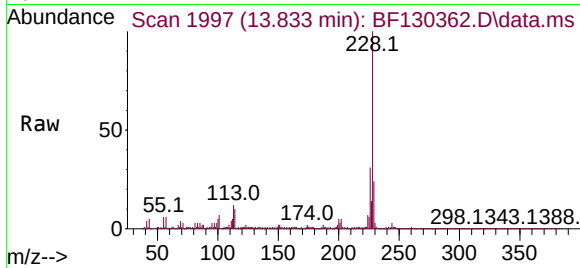




#83
Chrysene
Concen: 44.246 ng
RT: 13.833 min Scan# 1965
Delta R.T. 0.006 min
Lab File: BF130362.D
Acq: 21 Sep 2022 15:28

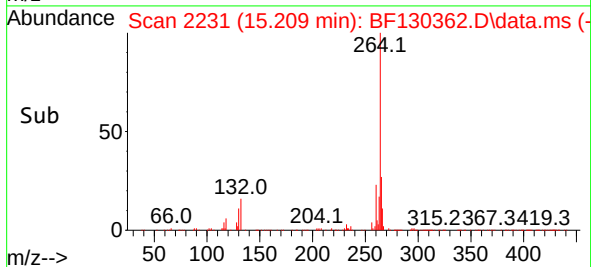
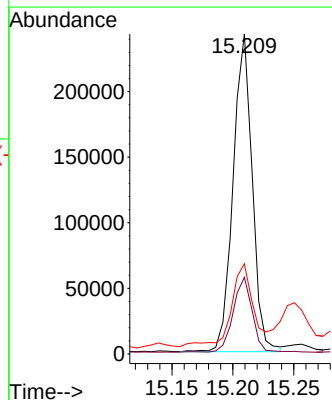
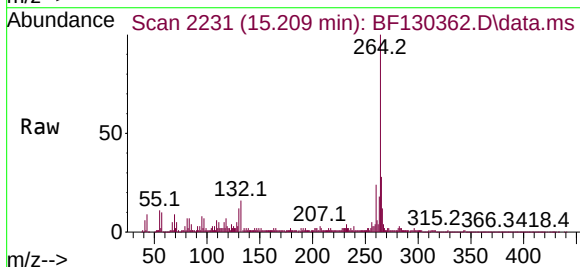
Instrument :
BNA_F
ClientSampleId :
WC-17-4-1DL

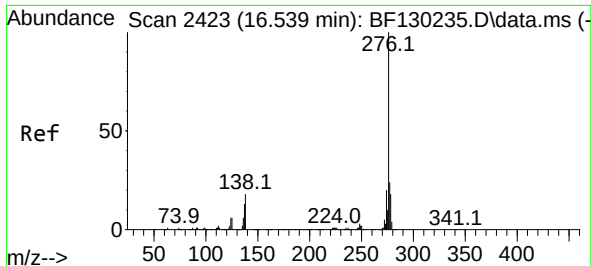
Tgt Ion:228 Resp: 704833
Ion Ratio Lower Upper
228 100
226 30.8 23.8 35.8
229 24.2 15.3 22.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.209 min Scan# 2231
Delta R.T. 0.023 min
Lab File: BF130362.D
Acq: 21 Sep 2022 15:28

Tgt Ion:264 Resp: 264388
Ion Ratio Lower Upper
264 100
260 24.0 19.3 28.9
265 28.2 17.0 25.4#

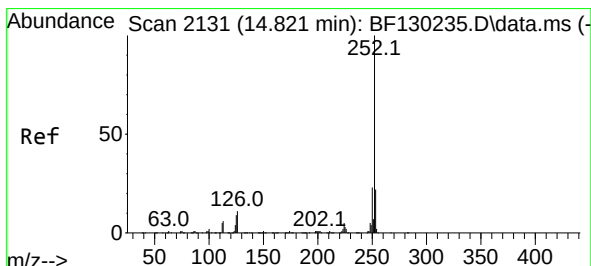
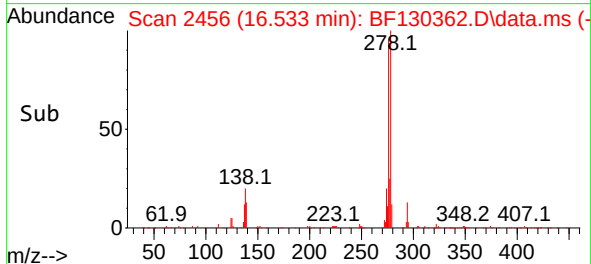
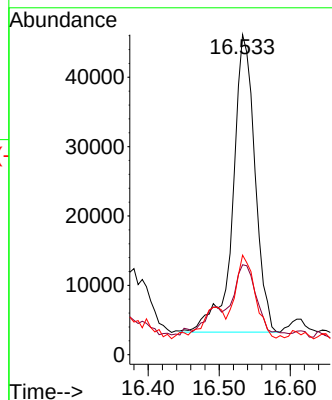
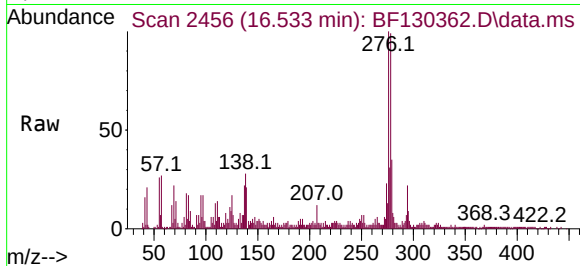




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.941 ng
 RT: 16.533 min Scan# 2423
 Delta R.T. 0.023 min
 Lab File: BF130362.D
 Acq: 21 Sep 2022 15:28

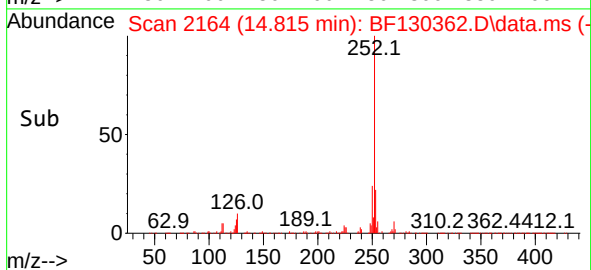
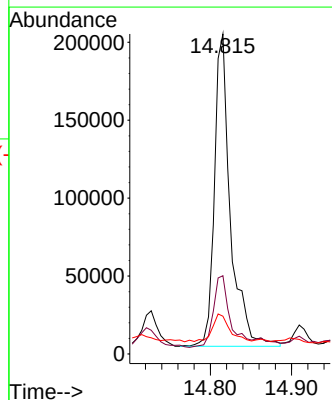
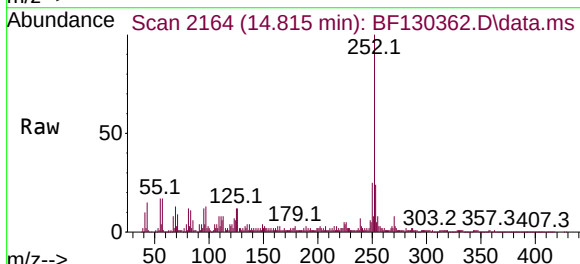
Instrument :
 BNA_F
 ClientSampleId :
 WC-17-4-1DL

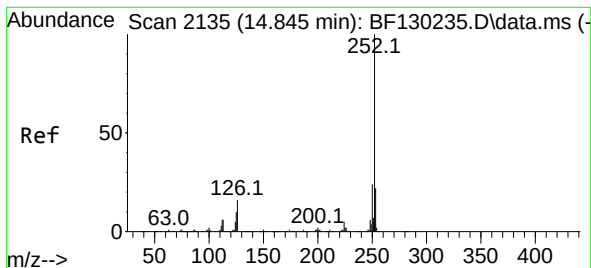
Tgt Ion:276 Resp: 92646
 Ion Ratio Lower Upper
 276 100
 138 26.0 18.5 27.7
 277 25.1 20.2 30.4



#88
 Benzo(b)fluoranthene
 Concen: 15.917 ng
 RT: 14.815 min Scan# 2164
 Delta R.T. 0.018 min
 Lab File: BF130362.D
 Acq: 21 Sep 2022 15:28

Tgt Ion:252 Resp: 274664
 Ion Ratio Lower Upper
 252 100
 253 24.4 17.7 26.5
 125 11.8 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 16.180 ng

RT: 14.815 min Scan# 2135

Delta R.T. -0.012 min

Lab File: BF130362.D

Acq: 21 Sep 2022 15:28

Instrument :

BNA_F

ClientSampleId :

WC-17-4-1DL

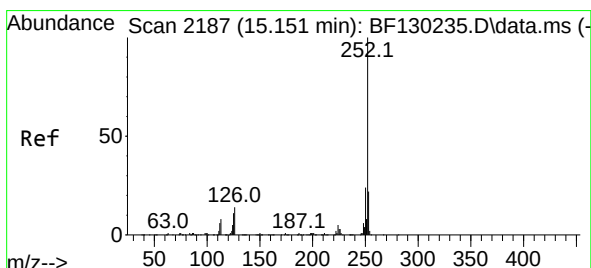
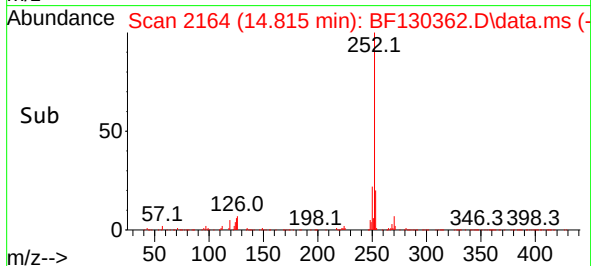
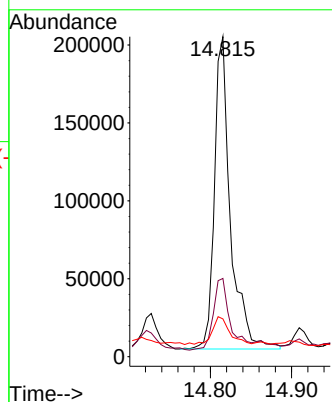
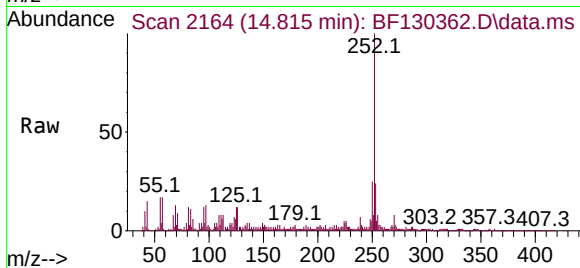
Tgt Ion:252 Resp: 274664

Ion Ratio Lower Upper

252 100

253 24.4 17.4 26.2

125 11.8 7.9 11.9



#90

Benzo(a)pyrene

Concen: 19.487 ng

RT: 15.151 min Scan# 2221

Delta R.T. 0.018 min

Lab File: BF130362.D

Acq: 21 Sep 2022 15:28

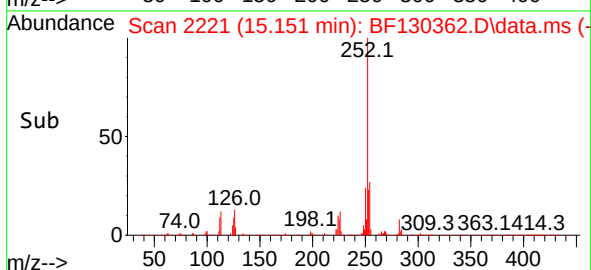
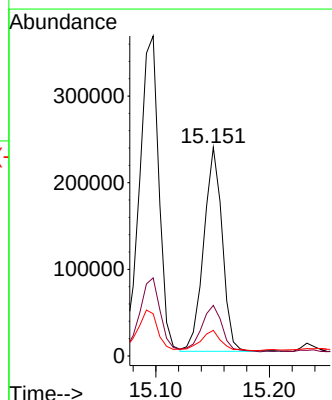
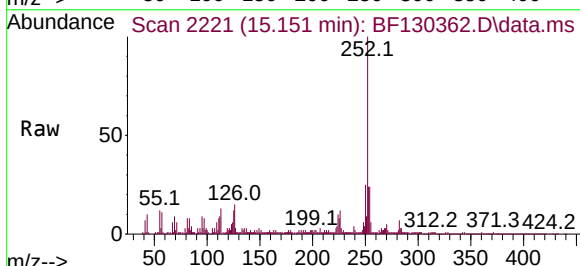
Tgt Ion:252 Resp: 266411

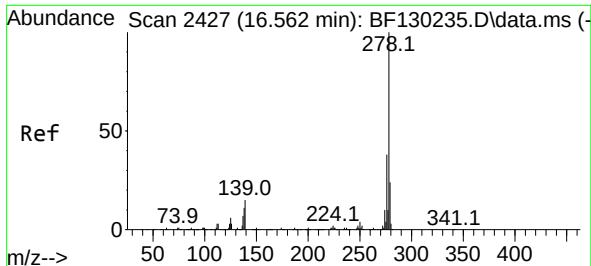
Ion Ratio Lower Upper

252 100

253 24.3 17.8 26.6

125 12.3 9.0 13.6

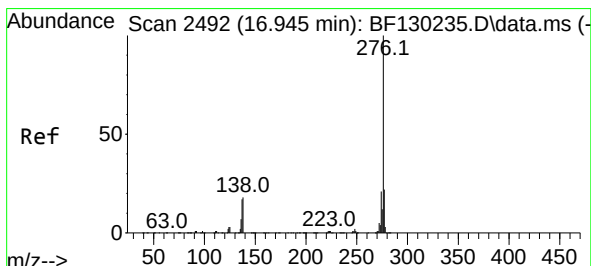
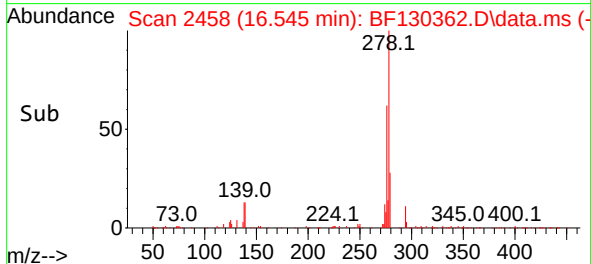
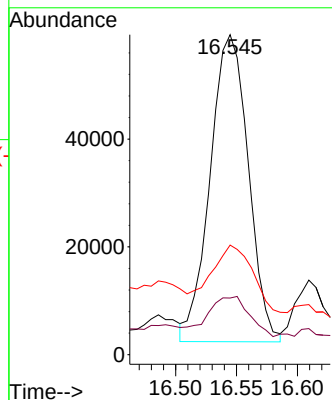
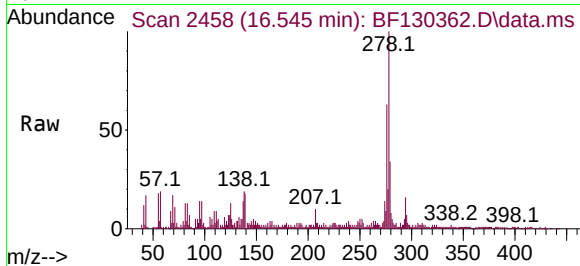




#91
Dibenzo(a,h)anthracene
Concen: 8.071 ng
RT: 16.545 min Scan# 2427
Delta R.T. 0.018 min
Lab File: BF130362.D
Acq: 21 Sep 2022 15:28

Instrument :
BNA_F
ClientSampleId :
WC-17-4-1DL

Tgt Ion:278 Resp: 124131
Ion Ratio Lower Upper
278 100
139 17.7 11.8 17.8
279 34.3 19.4 29.0#



#92
Benzo(g,h,i)perylene
Concen: 9.747 ng
RT: 16.939 min Scan# 2525
Delta R.T. 0.029 min
Lab File: BF130362.D
Acq: 21 Sep 2022 15:28

Tgt Ion:276 Resp: 151011
Ion Ratio Lower Upper
276 100
277 26.1 18.6 27.8
138 18.8 14.6 21.8

