

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091523\
 Data File : BF135290.D
 Acq On : 15 Sep 2023 20:57
 Operator : CG\JU
 Sample : 04409-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4(0-6)COMP

Quant Time: Sep 16 01:55:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

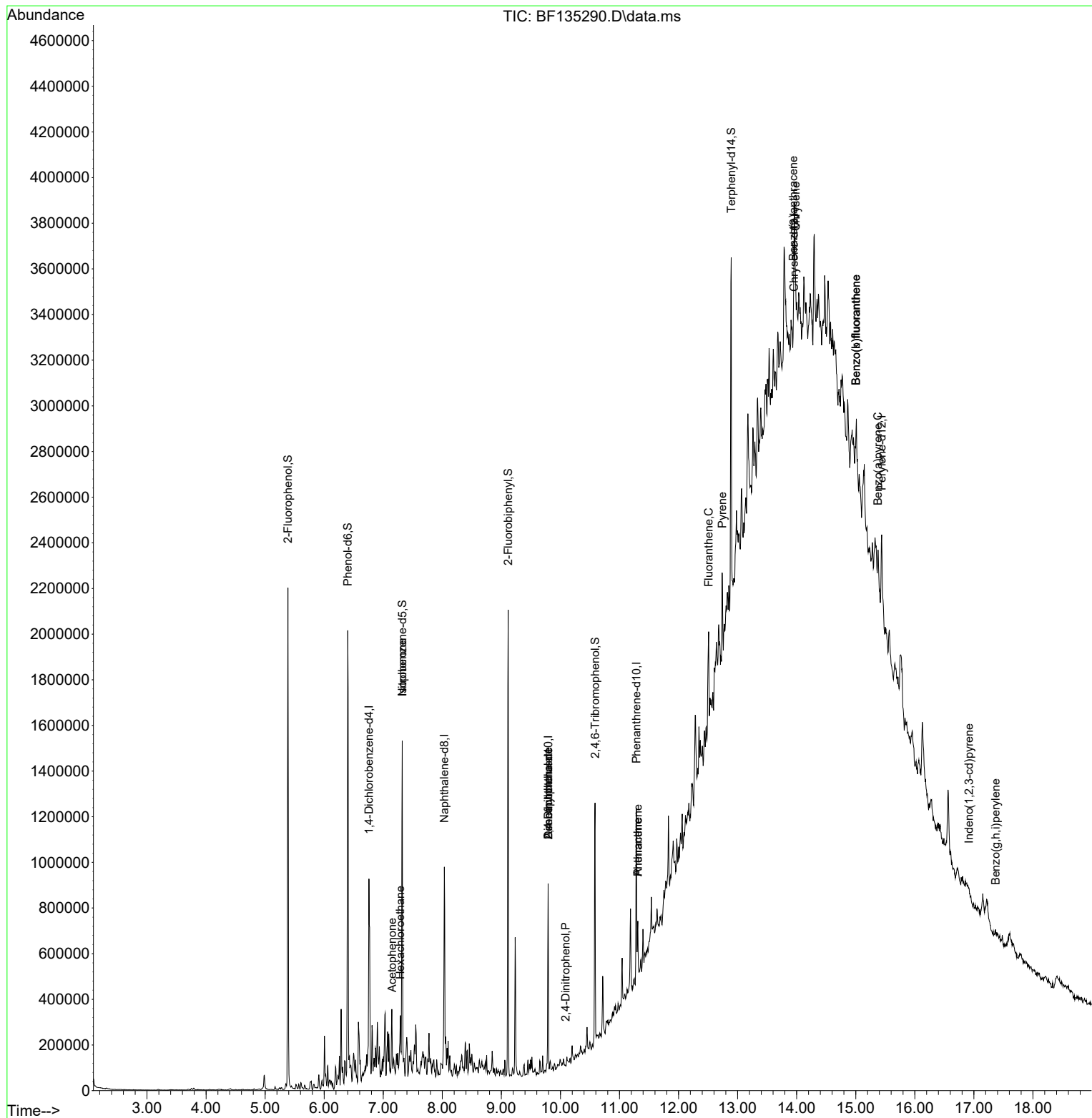
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	106639	20.000	ng	0.00
21) Naphthalene-d8	8.033	136	358382	20.000	ng	-0.01
39) Acenaphthene-d10	9.792	164	148709	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	256093	20.000	ng	0.00
76) Chrysene-d12	13.957	240	170349	20.000	ng	# 0.01
86) Perylene-d12	15.439	264	159530	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	549476	83.805	ng	0.00
7) Phenol-d6	6.398	99	662721	79.491	ng	0.00
23) Nitrobenzene-d5	7.322	82	385431	58.430	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	126907	85.875	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	612148	62.105	ng	-0.01
79) Terphenyl-d14	12.892	244	505543	46.005	ng	0.00
Target Compounds						
18) Hexachloroethane	7.286	117	10265	3.839	ng	# 1
22) Acetophenone	7.151	105	19402	2.368	ng	# 48
25) Isophorone	7.322	82	384080	31.709	ng	# 66
50) Dimethylphthalate	9.792	163	29717	2.956	ng	# 1
54) 2,4-Dinitrophenol	10.086	184	309	6.475	ng	# 83
57) 2,4-Dinitrotoluene	9.792	165	20335	7.375	ng	# 19
71) Phenanthrene	11.310	178	84089	6.943	ng	98
72) Anthracene	11.310	178	84089	6.754	ng	99
75) Fluoranthene	12.510	202	142415	11.284	ng	95
78) Pyrene	12.739	202	131195	8.089	ng	97
81) Benzo(a)anthracene	13.945	228	59583	5.417	ng	# 83
83) Chrysene	13.980	228	52395	4.791	ng	# 89
87) Indeno(1,2,3-cd)pyrene	16.915	276	24676	2.359	ng	# 89
88) Benzo(b)fluoranthene	15.004	252	76231	8.827	ng	# 27
89) Benzo(k)fluoranthene	15.004	252	76231	8.936	ng	# 28
90) Benzo(a)pyrene	15.374	252	38234	4.643	ng	# 23
92) Benzo(g,h,i)perylene	17.368	276	26208	2.932	ng	# 89

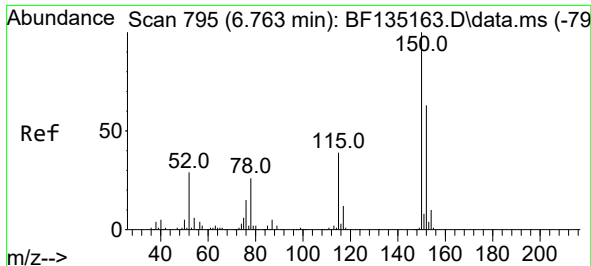
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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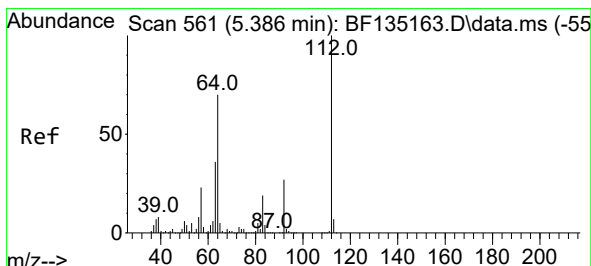
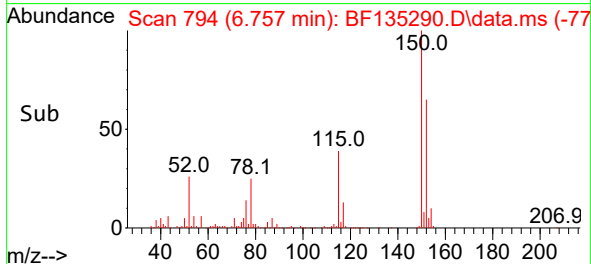
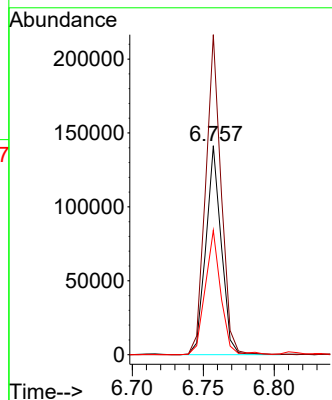
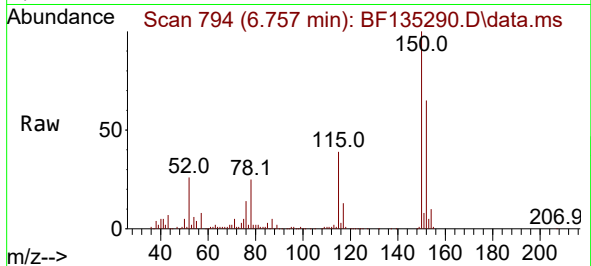




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135290.D
Acq: 15 Sep 2023 20:57

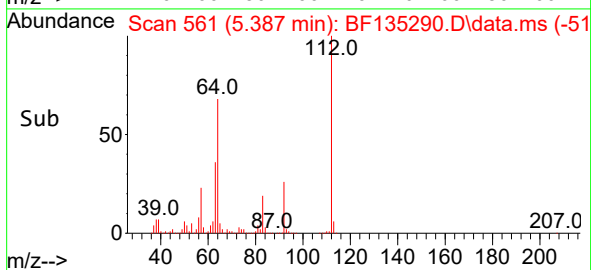
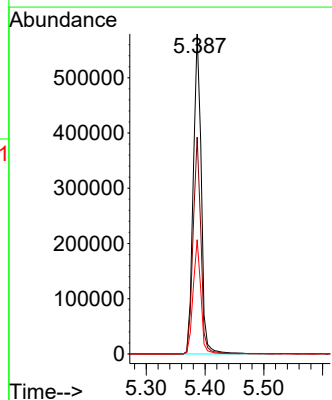
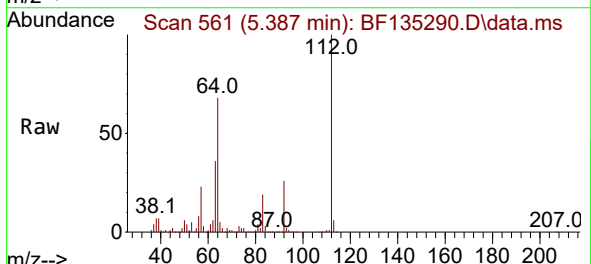
Instrument :
BNA_F
ClientSampleId :
WC-4(0-6)COMP

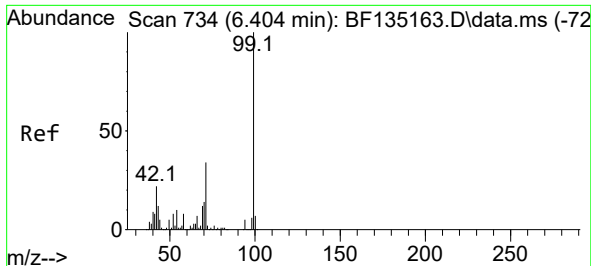
Tgt Ion:152 Resp: 106639
Ion Ratio Lower Upper
152 100
150 153.1 127.8 191.6
115 59.5 49.8 74.8



#5
2-Fluorophenol
Concen: 83.805 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF135290.D
Acq: 15 Sep 2023 20:57

Tgt Ion:112 Resp: 549476
Ion Ratio Lower Upper
112 100
64 67.7 55.9 83.9
63 35.7 29.0 43.6

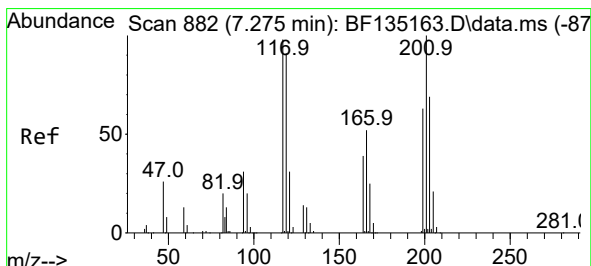
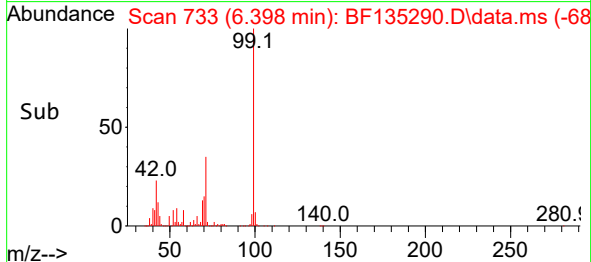
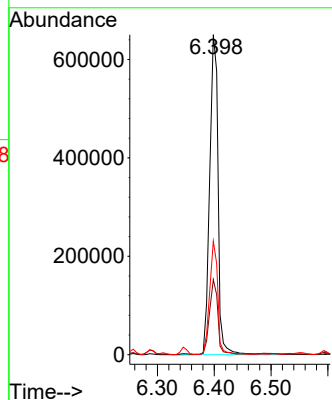
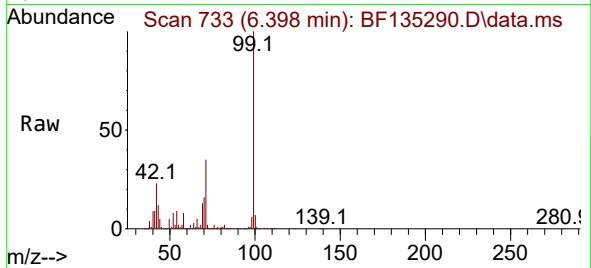




#7
Phenol-d6
Concen: 79.491 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135290.D
Acq: 15 Sep 2023 20:57

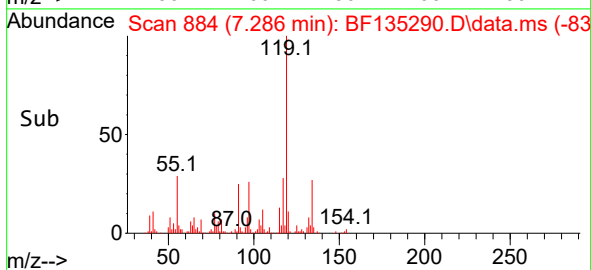
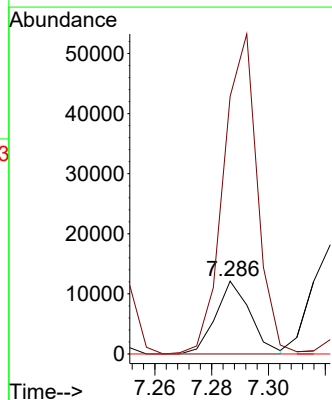
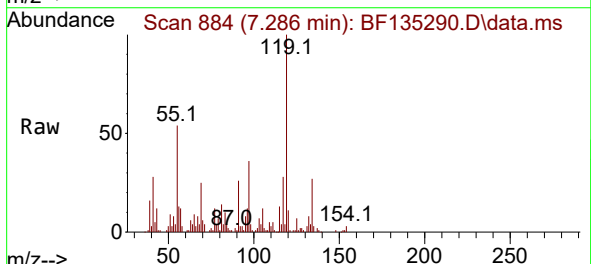
Instrument :
BNA_F
ClientSampleId :
WC-4(0-6)COMP

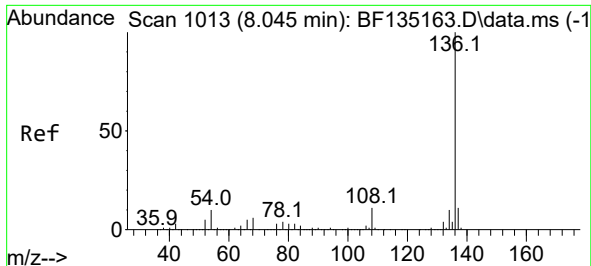
Tgt Ion: 99 Resp: 662721
Ion Ratio Lower Upper
99 100
42 23.5 17.9 26.9
71 35.5 27.0 40.6



#18
Hexachloroethane
Concen: 3.839 ng
RT: 7.286 min Scan# 884
Delta R.T. 0.012 min
Lab File: BF135290.D
Acq: 15 Sep 2023 20:57

Tgt Ion: 117 Resp: 10265
Ion Ratio Lower Upper
117 100
119 353.9 74.7 112.1#
201 0.0 81.8 122.8#

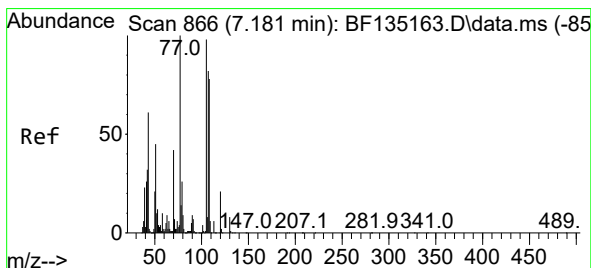
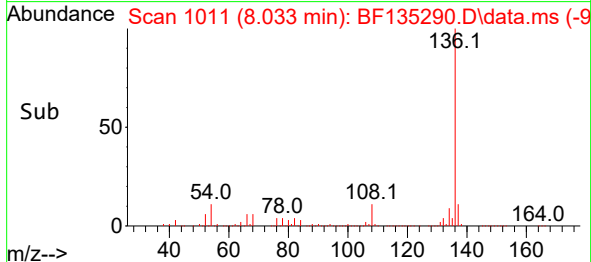
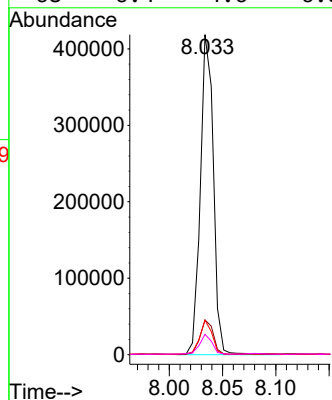
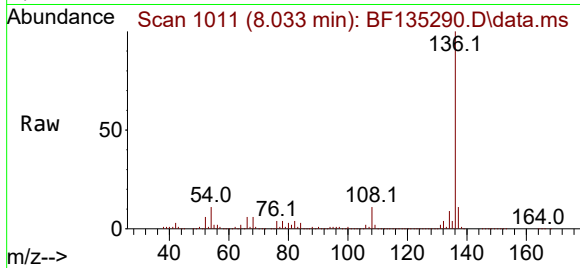




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.033 min Scan# 1013
Delta R.T. -0.012 min
Lab File: BF135290.D
Acq: 15 Sep 2023 20:57

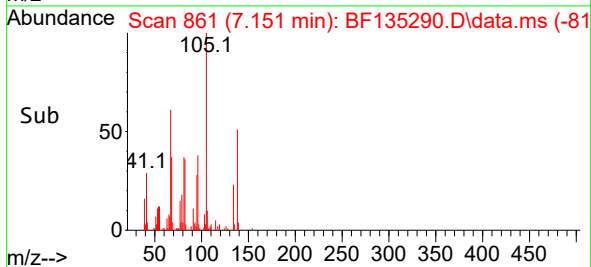
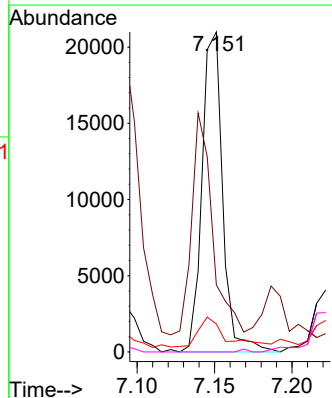
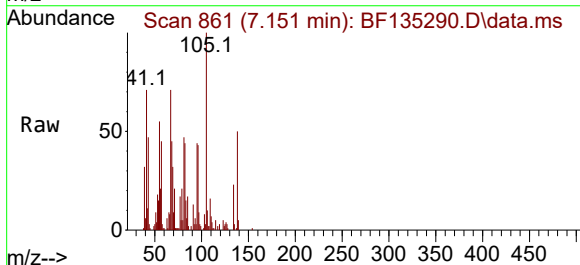
Instrument :
BNA_F
ClientSampleId :
WC-4(0-6)COMP

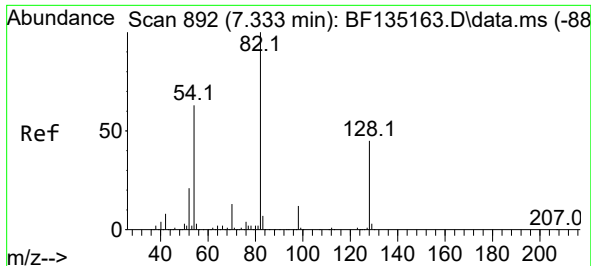
Tgt	Ion:136	Resp:	358382
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	10.8	7.7	11.5
68	6.4	4.6	6.8



#22
Acetophenone
Concen: 2.368 ng
RT: 7.151 min Scan# 861
Delta R.T. -0.029 min
Lab File: BF135290.D
Acq: 15 Sep 2023 20:57

Tgt	Ion:105	Resp:	19402
Ion	Ratio	Lower	Upper
105	100		
71	21.0	5.8	8.6#
51	8.7	37.0	55.4#
120	0.0	17.0	25.6#





#23

Nitrobenzene-d5

Concen: 58.430 ng

RT: 7.322 min Scan# 890

Delta R.T. -0.012 min

Lab File: BF135290.D

Acq: 15 Sep 2023 20:57

Instrument :

BNA_F

ClientSampleId :

WC-4(0-6)COMP

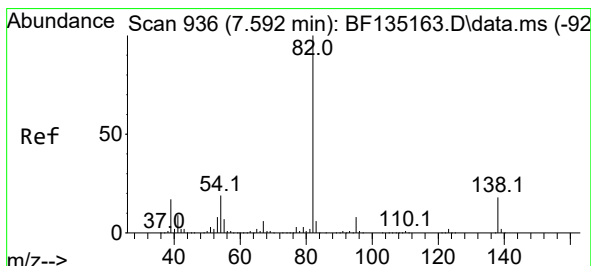
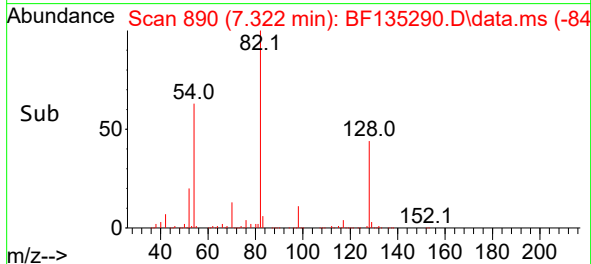
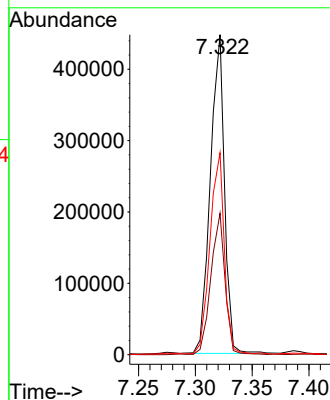
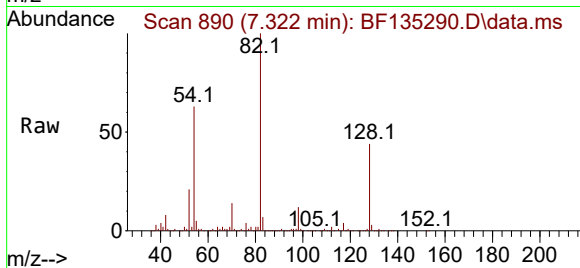
Tgt Ion: 82 Resp: 385431

Ion Ratio Lower Upper

82 100

128 44.2 35.8 53.6

54 63.1 50.6 76.0



#25

Isophorone

Concen: 31.709 ng

RT: 7.322 min Scan# 890

Delta R.T. -0.271 min

Lab File: BF135290.D

Acq: 15 Sep 2023 20:57

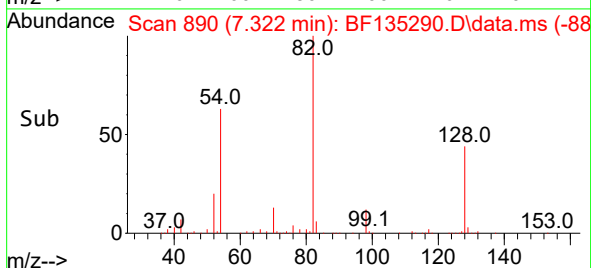
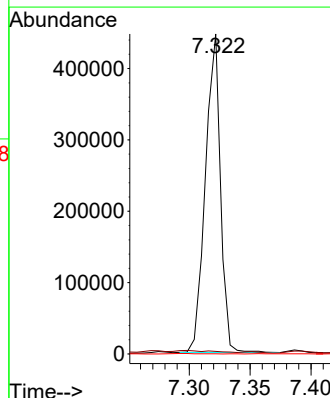
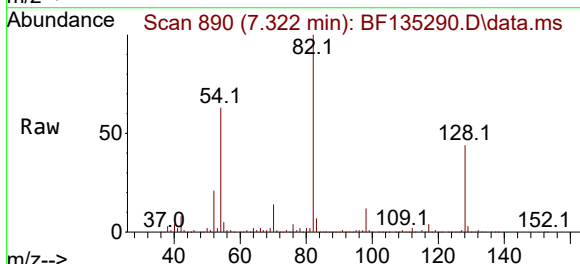
Tgt Ion: 82 Resp: 384080

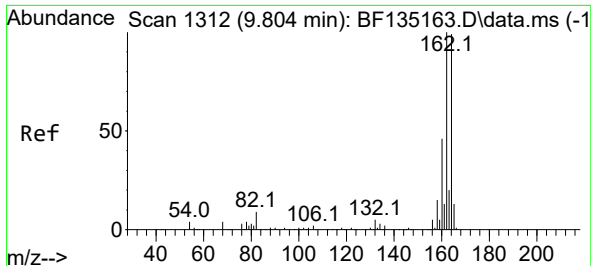
Ion Ratio Lower Upper

82 100

95 0.8 6.0 9.0#

138 0.1 14.5 21.7#

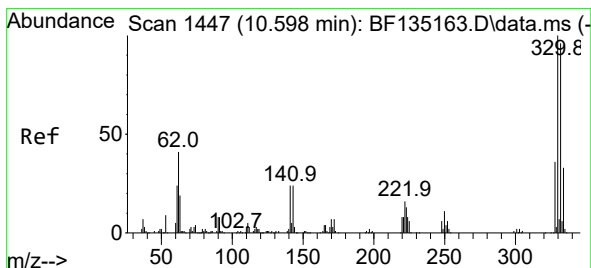
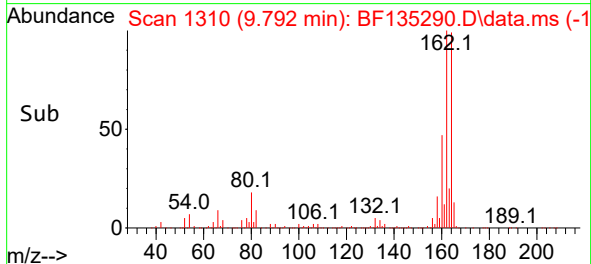
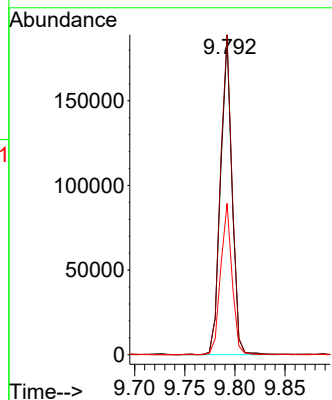
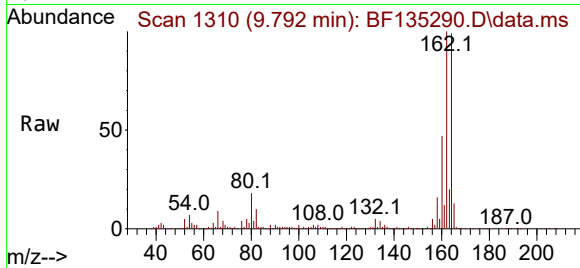




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135290.D
Acq: 15 Sep 2023 20:57

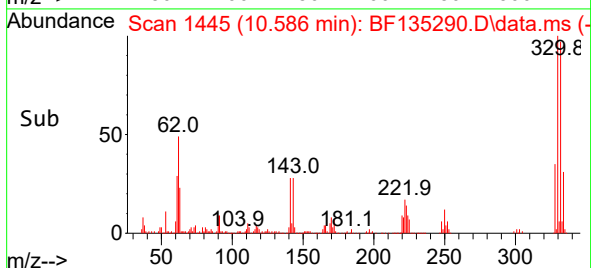
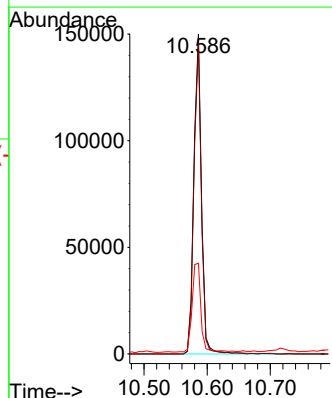
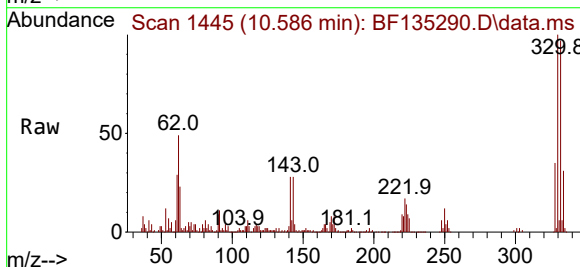
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WC-4(0-6)COMP

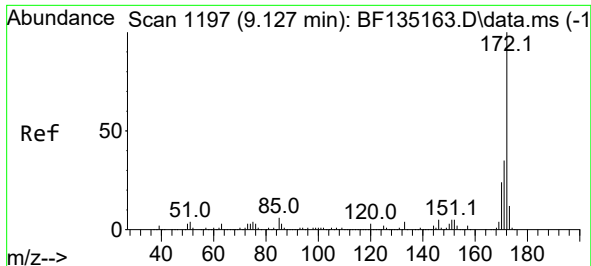
Tgt Ion:164 Resp: 148709
Ion Ratio Lower Upper
164 100
162 101.3 81.0 121.4
160 47.9 37.0 55.4



#42
2,4,6-Tribromophenol
Concen: 85.875 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF135290.D
Acq: 15 Sep 2023 20:57

Tgt Ion:330 Resp: 126907
Ion Ratio Lower Upper
330 100
332 94.7 77.3 115.9
141 31.8 25.8 38.8

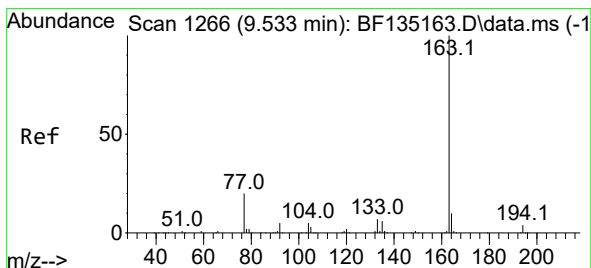
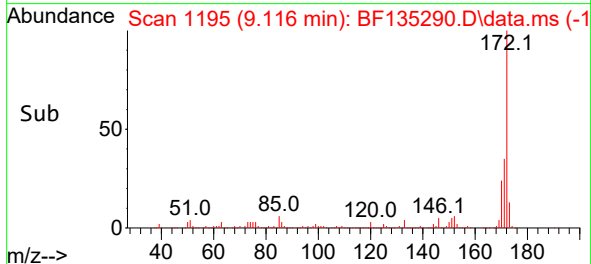
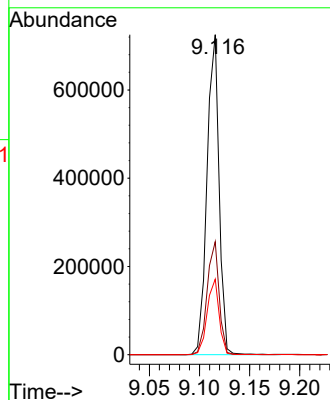
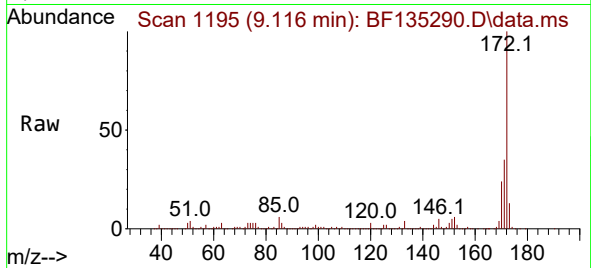




#45
2-Fluorobiphenyl
Concen: 62.105 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135290.D
Acq: 15 Sep 2023 20:57

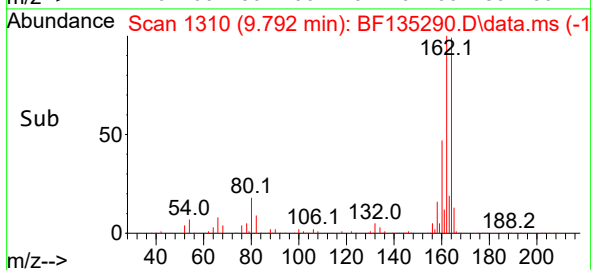
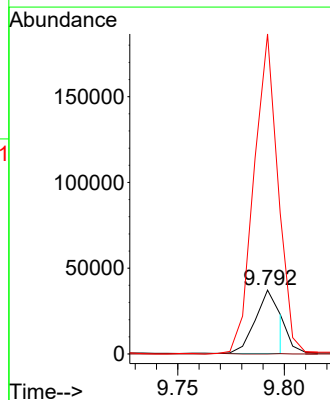
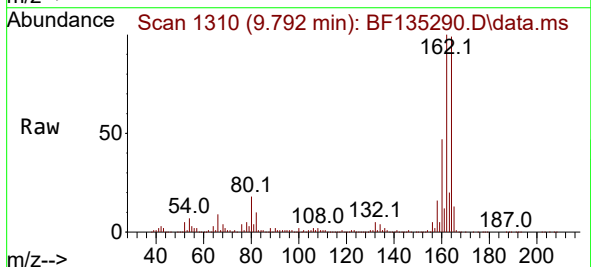
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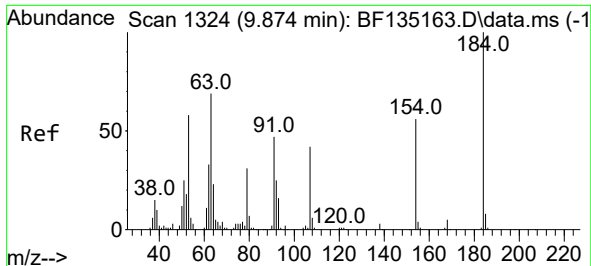
Tgt Ion:172 Resp: 612148
Ion Ratio Lower Upper
172 100
171 35.3 28.4 42.6
170 23.6 19.0 28.4



#50
Dimethylphthalate
Concen: 2.956 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.259 min
Lab File: BF135290.D
Acq: 15 Sep 2023 20:57

Tgt Ion:163 Resp: 29717
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 501.3 8.1 12.1#

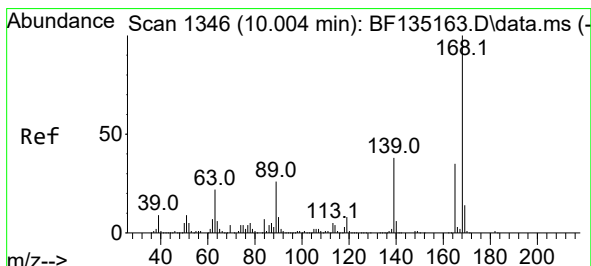
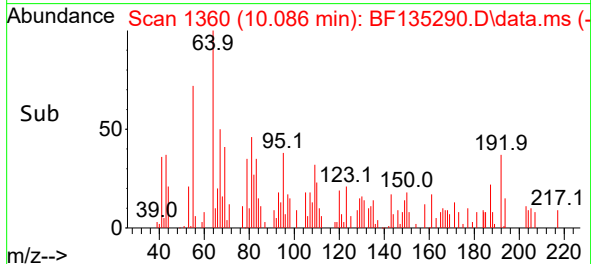
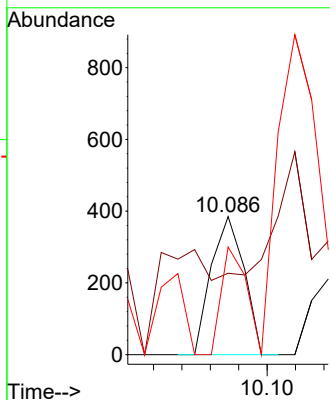
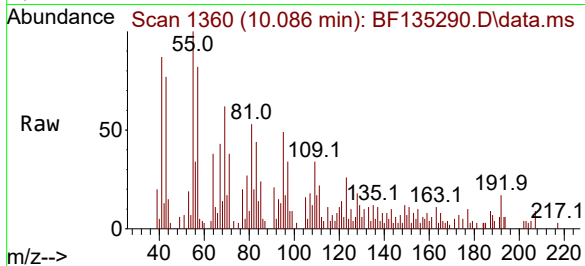




#54
2,4-Dinitrophenol
Concen: 6.475 ng
RT: 10.086 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF135290.D
Acq: 15 Sep 2023 20:57

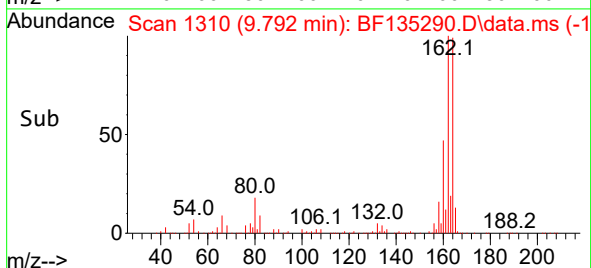
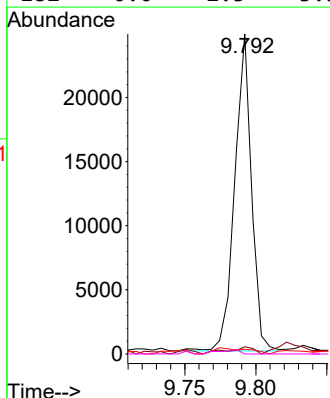
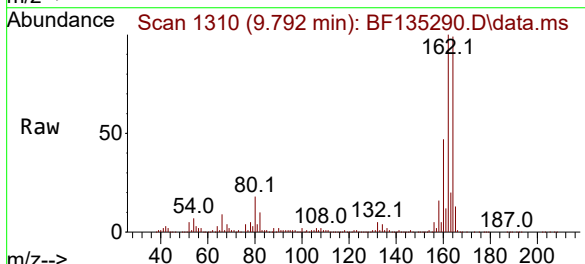
Instrument :
BNA_F
ClientSampleId :
WC-4(0-6)COMP

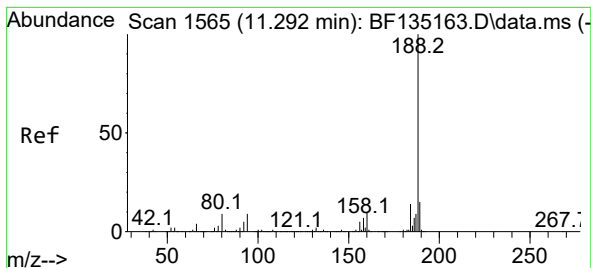
Tgt Ion:184 Resp: 309
Ion Ratio Lower Upper
184 100
63 59.0 55.1 82.7
154 77.9 48.4 72.6#



#57
2,4-Dinitrotoluene
Concen: 7.375 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.212 min
Lab File: BF135290.D
Acq: 15 Sep 2023 20:57

Tgt Ion:165 Resp: 20335
Ion Ratio Lower Upper
165 100
63 2.3 50.1 75.1#
89 1.5 59.3 88.9#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.286 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135290.D

Acq: 15 Sep 2023 20:57

Instrument :

BNA_F

ClientSampleId :

WC-4(0-6)COMP

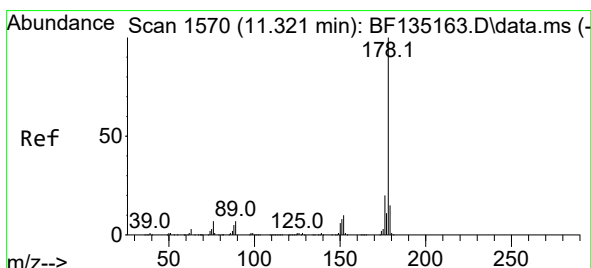
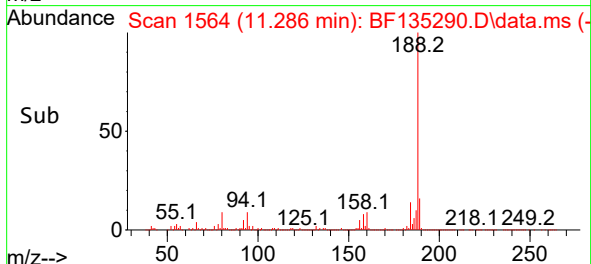
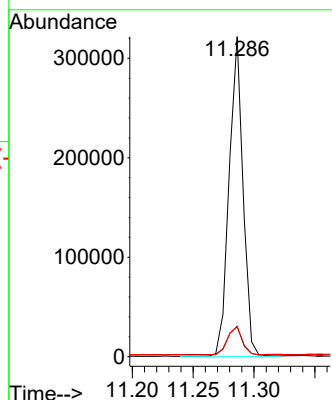
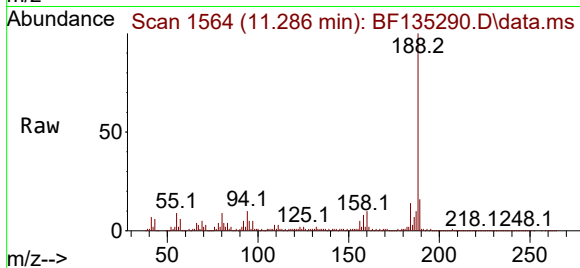
Tgt Ion:188 Resp: 256093

Ion Ratio Lower Upper

188 100

94 9.5 7.0 10.6

80 9.4 7.5 11.3



#71

Phenanthrene

Concen: 6.943 ng

RT: 11.310 min Scan# 1568

Delta R.T. -0.012 min

Lab File: BF135290.D

Acq: 15 Sep 2023 20:57

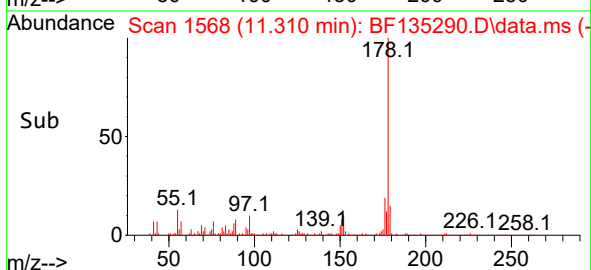
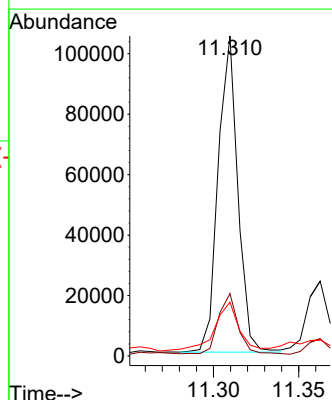
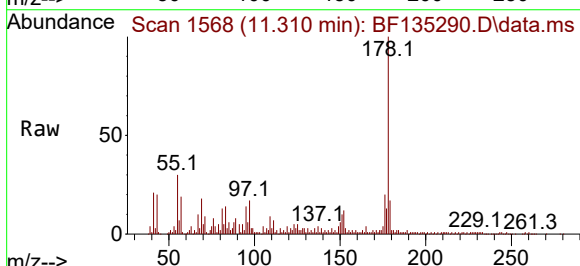
Tgt Ion:178 Resp: 84089

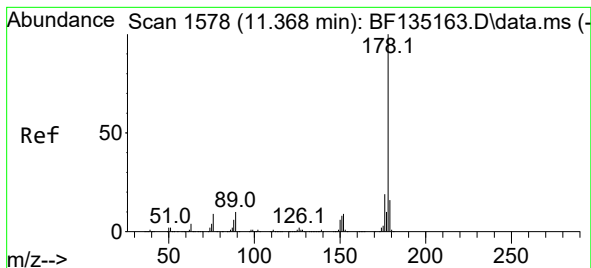
Ion Ratio Lower Upper

178 100

176 19.5 15.6 23.4

179 16.8 12.0 18.0





#72

Anthracene

Concen: 6.754 ng

RT: 11.310 min Scan# 1568

Delta R.T. -0.059 min

Lab File: BF135290.D

Acq: 15 Sep 2023 20:57

Instrument :

BNA_F

ClientSampleId :

WC-4(0-6)COMP

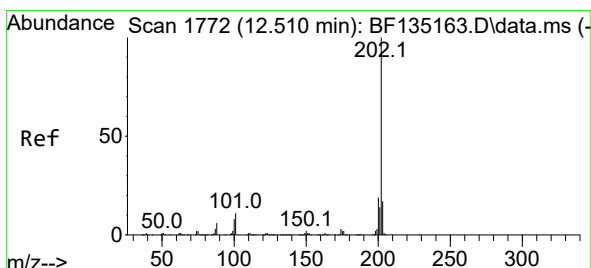
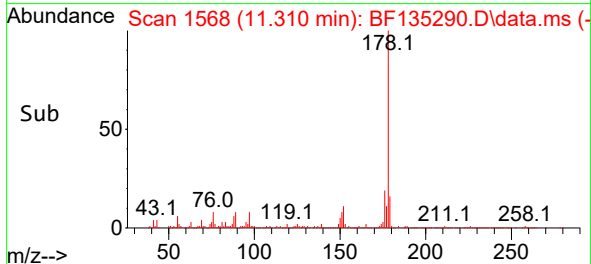
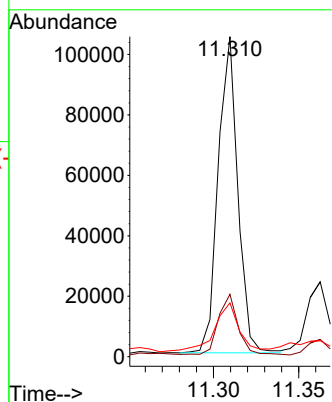
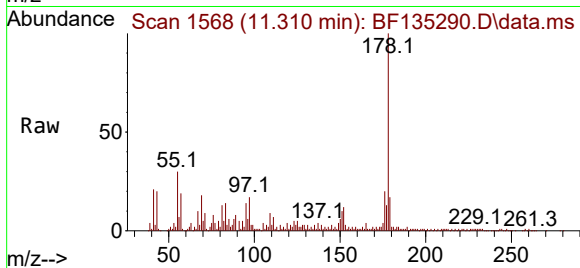
Tgt Ion:178 Resp: 84089

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

179 16.8 12.6 19.0



#75

Fluoranthene

Concen: 11.284 ng

RT: 12.510 min Scan# 1772

Delta R.T. 0.000 min

Lab File: BF135290.D

Acq: 15 Sep 2023 20:57

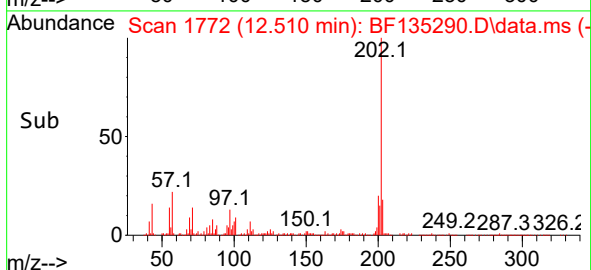
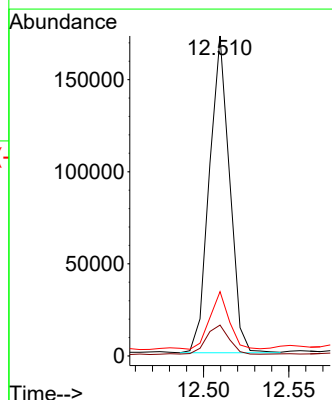
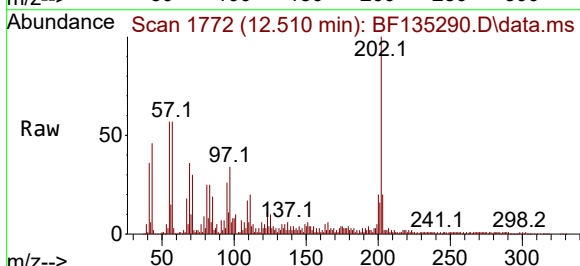
Tgt Ion:202 Resp: 142415

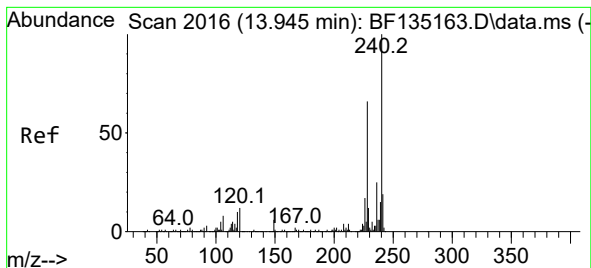
Ion Ratio Lower Upper

202 100

101 9.7 0.0 31.3

203 20.1 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 2016

Delta R.T. 0.012 min

Lab File: BF135290.D

Acq: 15 Sep 2023 20:57

Instrument :

BNA_F

ClientSampleId :

WC-4(0-6)COMP

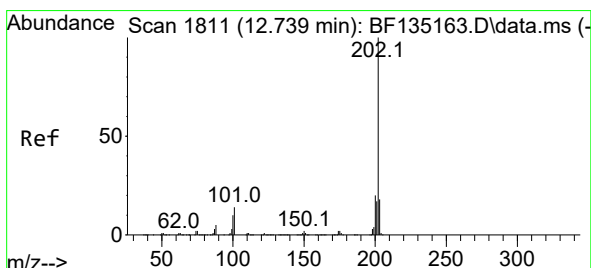
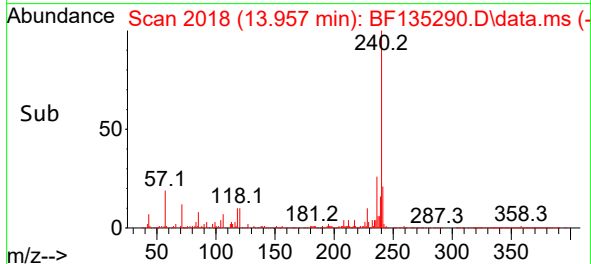
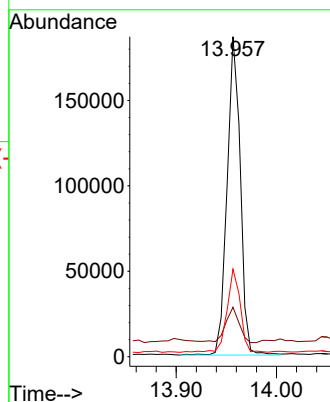
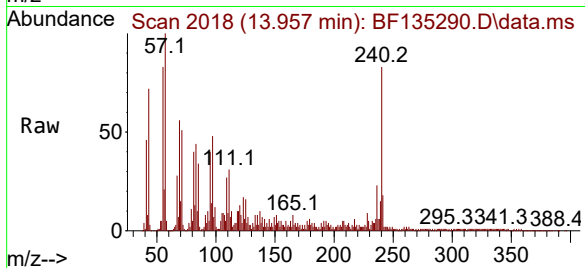
Tgt Ion:240 Resp: 170349

Ion Ratio Lower Upper

240 100

120 15.4 9.4 14.2#

236 27.4 19.8 29.8



#78

Pyrene

Concen: 8.089 ng

RT: 12.739 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF135290.D

Acq: 15 Sep 2023 20:57

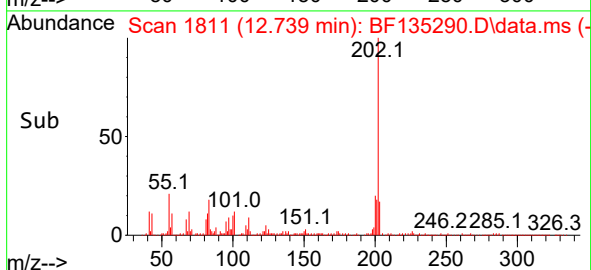
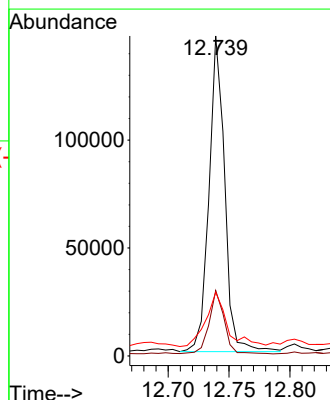
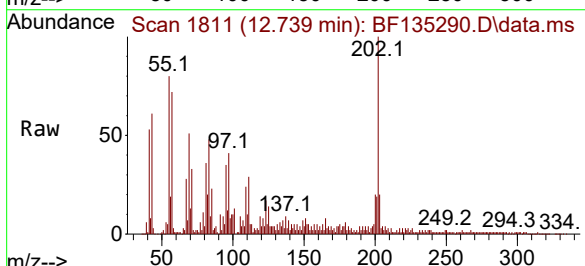
Tgt Ion:202 Resp: 131195

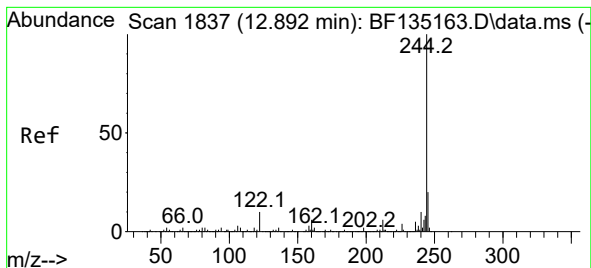
Ion Ratio Lower Upper

202 100

200 20.5 16.2 24.2

203 19.9 14.2 21.4





#79

Terphenyl-d14

Concen: 46.005 ng

RT: 12.892 min Scan# 1837

Delta R.T. 0.000 min

Lab File: BF135290.D

Acq: 15 Sep 2023 20:57

Instrument :

BNA_F

ClientSampleId :

WC-4(0-6)COMP

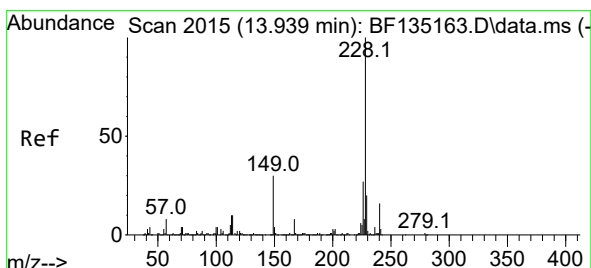
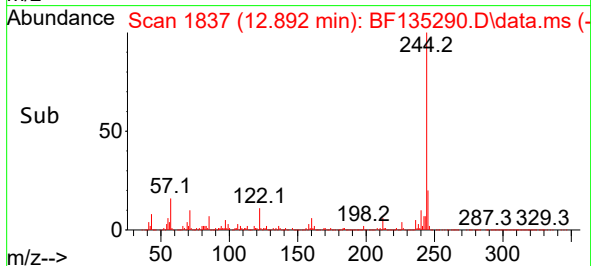
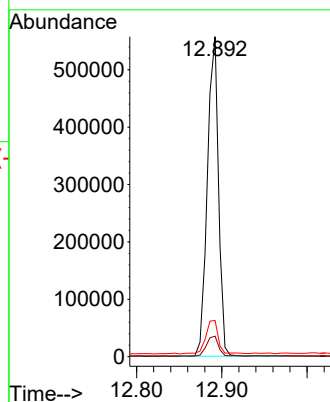
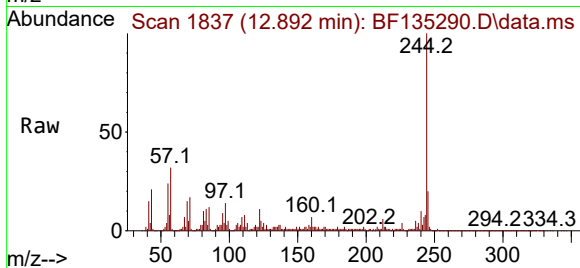
Tgt Ion:244 Resp: 505543

Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 11.3 7.9 11.9



#81

Benzo(a)anthracene

Concen: 5.417 ng

RT: 13.945 min Scan# 2016

Delta R.T. 0.006 min

Lab File: BF135290.D

Acq: 15 Sep 2023 20:57

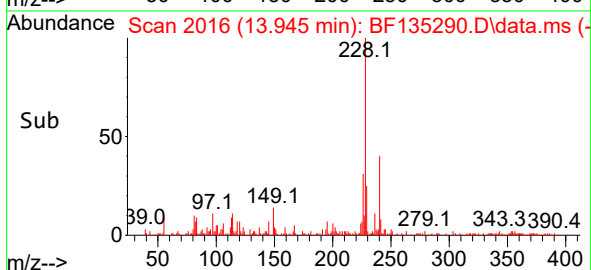
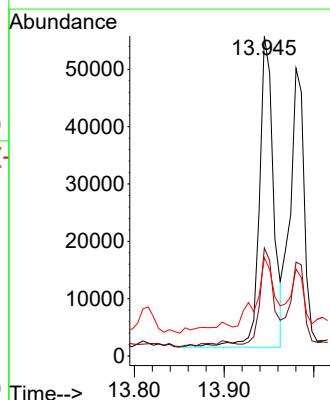
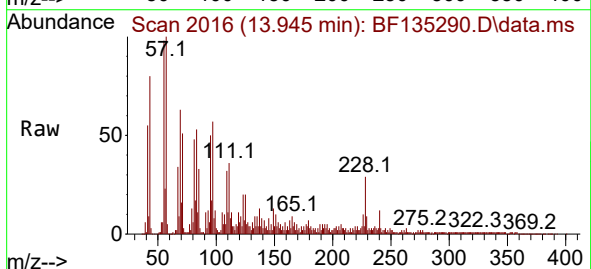
Tgt Ion:228 Resp: 59583

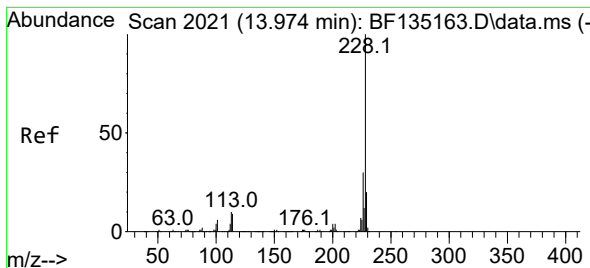
Ion Ratio Lower Upper

228 100

226 33.7 21.7 32.5#

229 30.7 15.8 23.8#





#83

Chrysene

Concen: 4.791 ng

RT: 13.980 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF135290.D

Acq: 15 Sep 2023 20:57

Instrument :

BNA_F

ClientSampleId :

WC-4(0-6)COMP

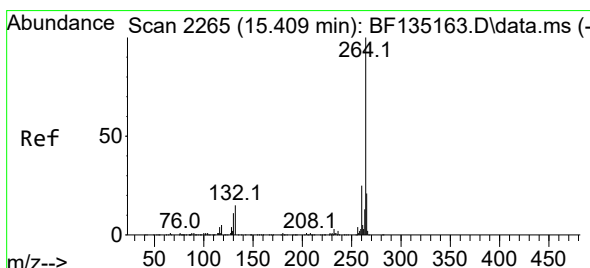
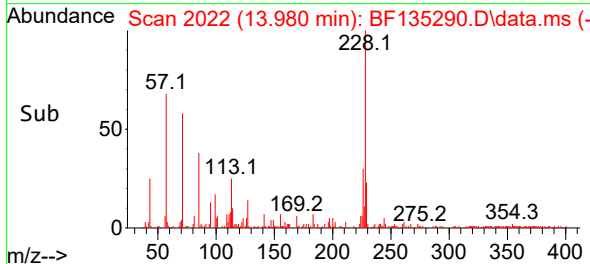
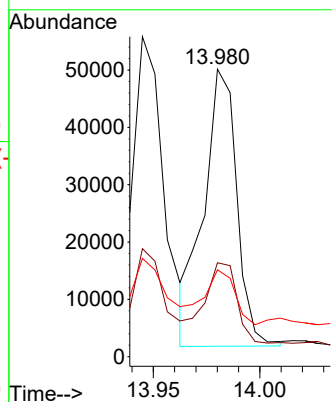
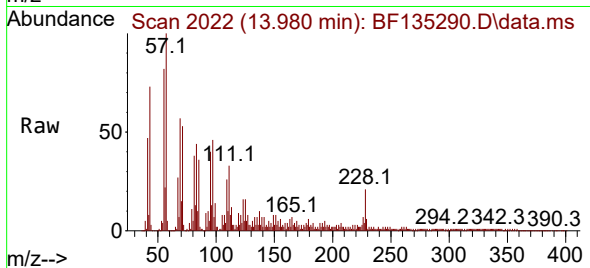
Tgt Ion:228 Resp: 52395

Ion Ratio Lower Upper

228 100

226 32.6 24.3 36.5

229 30.2 16.0 24.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2270

Delta R.T. 0.029 min

Lab File: BF135290.D

Acq: 15 Sep 2023 20:57

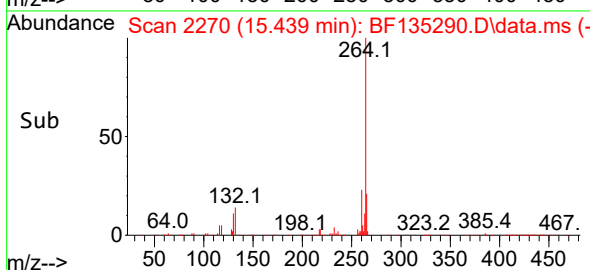
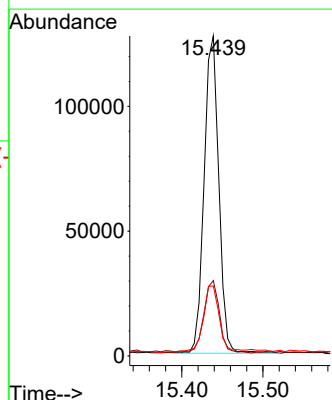
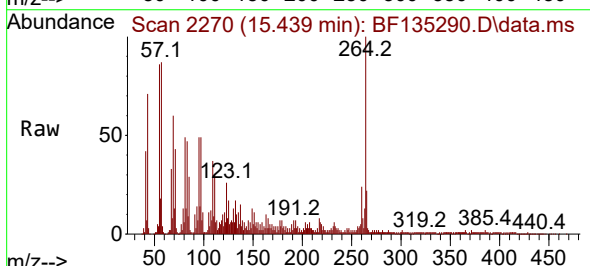
Tgt Ion:264 Resp: 159530

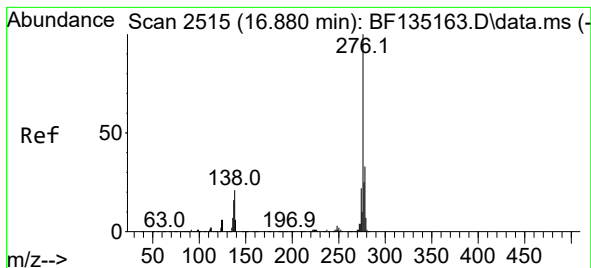
Ion Ratio Lower Upper

264 100

260 23.5 19.8 29.6

265 21.9 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.359 ng

RT: 16.915 min Scan# 2196

Delta R.T. 0.035 min

Lab File: BF135290.D

Acq: 15 Sep 2023 20:57

Instrument :

BNA_F

ClientSampleId :

WC-4(0-6)COMP

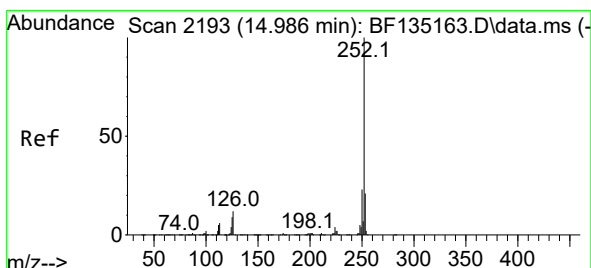
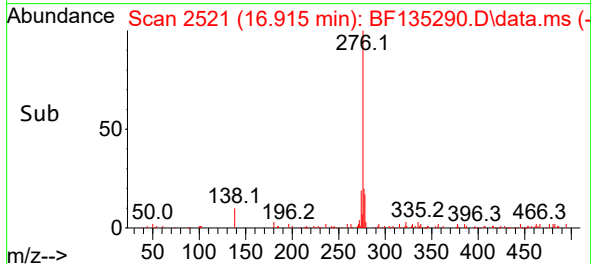
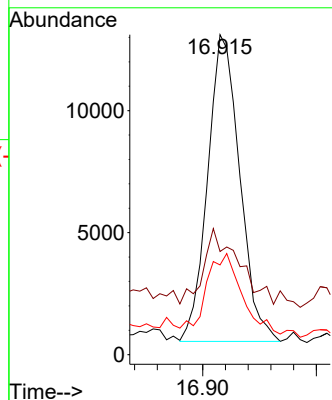
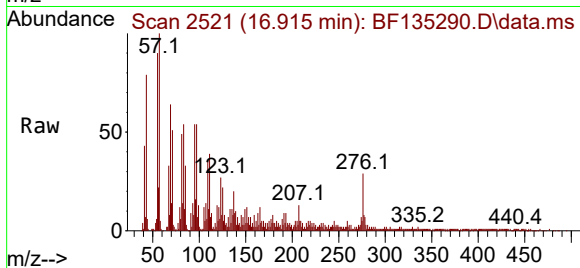
Tgt Ion:276 Resp: 24676

Ion Ratio Lower Upper

276 100

138 30.7 19.2 28.8#

277 28.8 19.7 29.5



#88

Benzo(b)fluoranthene

Concen: 8.827 ng

RT: 15.004 min Scan# 2196

Delta R.T. 0.018 min

Lab File: BF135290.D

Acq: 15 Sep 2023 20:57

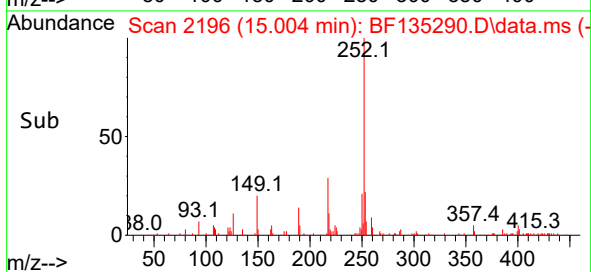
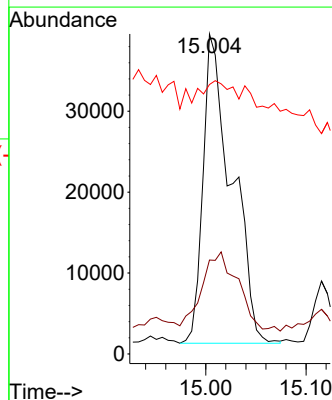
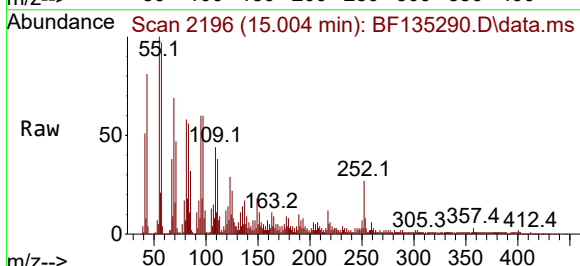
Tgt Ion:252 Resp: 76231

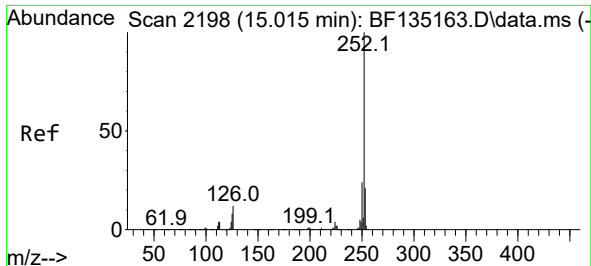
Ion Ratio Lower Upper

252 100

253 29.4 17.2 25.8#

125 84.2 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 8.936 ng

RT: 15.004 min Scan# 2198

Delta R.T. -0.012 min

Lab File: BF135290.D

Acq: 15 Sep 2023 20:57

Instrument :

BNA_F

ClientSampleId :

WC-4(0-6)COMP

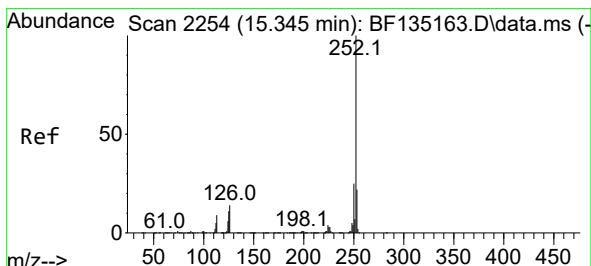
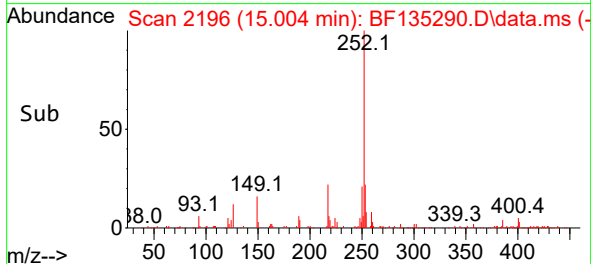
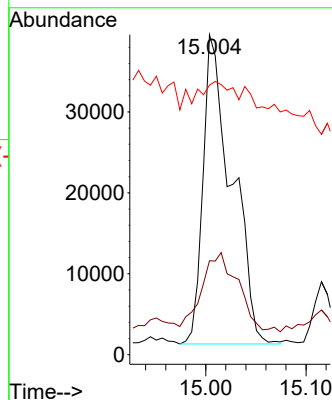
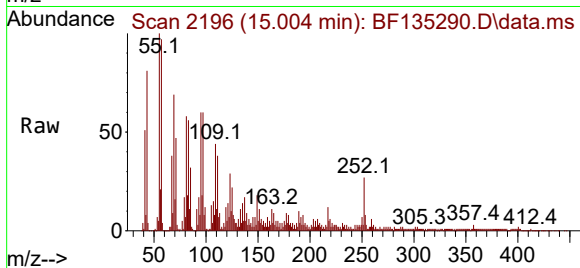
Tgt Ion:252 Resp: 76231

Ion Ratio Lower Upper

252 100

253 29.4 17.4 26.0#

125 84.2 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 4.643 ng

RT: 15.374 min Scan# 2259

Delta R.T. 0.029 min

Lab File: BF135290.D

Acq: 15 Sep 2023 20:57

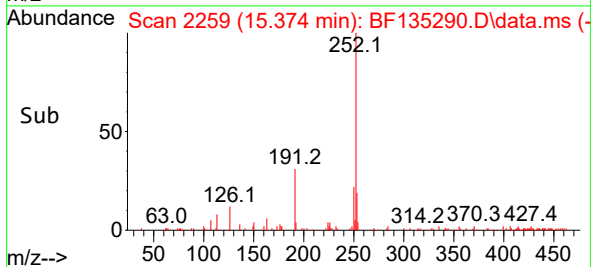
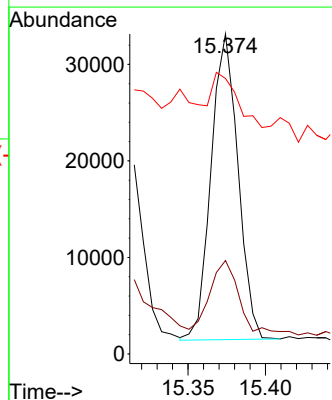
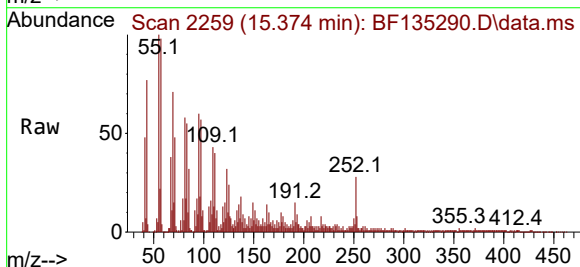
Tgt Ion:252 Resp: 38234

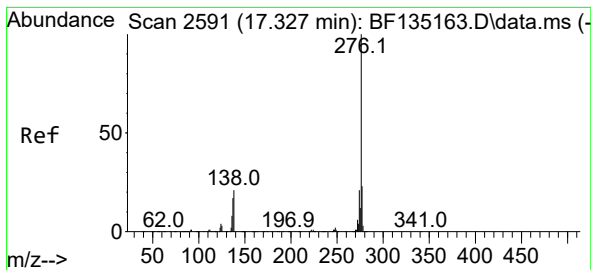
Ion Ratio Lower Upper

252 100

253 29.2 17.5 26.3#

125 86.1 9.2 13.8#





#92

Benzo(g,h,i)perylene

Concen: 2.932 ng

RT: 17.368 min Scan# 21

Delta R.T. 0.041 min

Lab File: BF135290.D

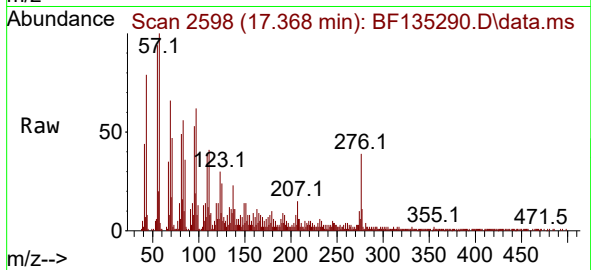
Acq: 15 Sep 2023 20:57

Instrument :

BNA_F

ClientSampleId :

WC-4(0-6)COMP



Tgt Ion:276 Resp: 26208

Ion Ratio Lower Upper

276 100

277 27.3 18.8 28.2

138 28.2 16.9 25.3#

