

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081023\
 Data File : BF134717.D
 Acq On : 10 Aug 2023 19:31
 Operator : CG\JU
 Sample : 03955-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-23

Quant Time: Aug 11 03:57:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

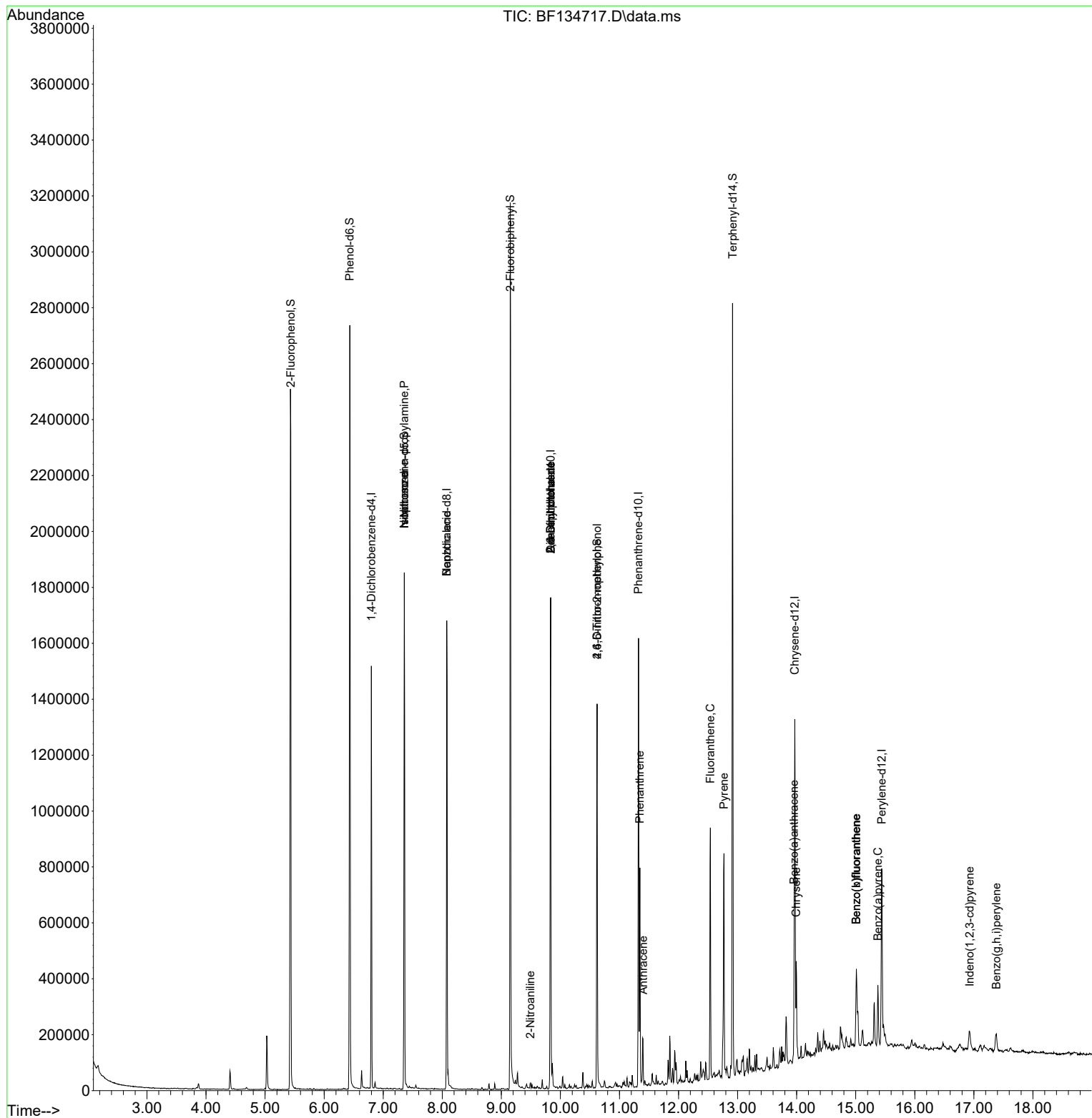
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	190146	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	727385	20.000	ng	# 0.00
39) Acenaphthene-d10	9.834	164	339899	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	538871	20.000	ng	# 0.00
76) Chrysene-d12	13.969	240	364654	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	323783	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	714121	57.090	ng	0.00
7) Phenol-d6	6.434	99	915106	57.230	ng	0.00
23) Nitrobenzene-d5	7.357	82	554065	47.602	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	164990	47.617	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1016894	49.744	ng	-0.01
79) Terphenyl-d14	12.916	244	905501	43.775	ng	0.00
Target Compounds						
9) Benzaldehyde	6.351	77	565	Below Cal		Qvalue 97
19) n-Nitroso-di-n-propyla...	7.357	70	74966	7.830	ng	# 74
25) Isophorone	7.357	82	551907	21.740	ng	# 65
32) Benzoic acid	8.075	122	158	7.885	ng	# 1
48) 2-Nitroaniline	9.492	65	167	3.191	ng	# 8
50) Dimethylphthalate	9.834	163	68055	2.938	ng	# 1
51) 2,6-Dinitrotoluene	9.834	165	44474	11.378	ng	# 17
57) 2,4-Dinitrotoluene	9.834	165	44542	10.159	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.622	198	365	8.836	ng	# 1
71) Phenanthrene	11.345	178	263899	9.220	ng	97
72) Anthracene	11.398	178	62704	2.145	ng	99
75) Fluoranthene	12.539	202	356562	11.793	ng	97
78) Pyrene	12.769	202	333668	10.574	ng	98
81) Benzo(a)anthracene	13.957	228	155721	5.972	ng	100
83) Chrysene	13.992	228	144114	5.673	ng	96
87) Indeno(1,2,3-cd)pyrene	16.927	276	55406	2.910	ng	# 95
88) Benzo(b)fluoranthene	15.010	252	199992	10.128	ng	# 97
89) Benzo(k)fluoranthene	15.010	252	199992	10.167	ng	# 96
90) Benzo(a)pyrene	15.374	252	107539	5.841	ng	# 94
92) Benzo(g,h,i)perylene	17.380	276	55558	3.539	ng	# 93

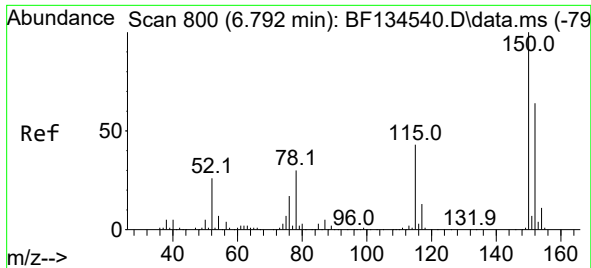
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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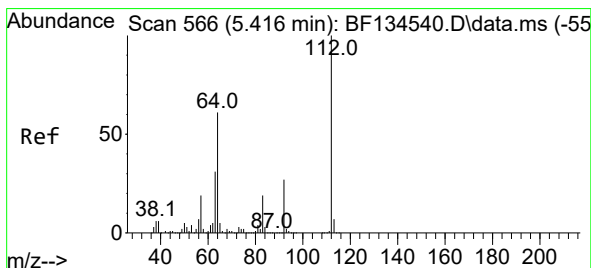
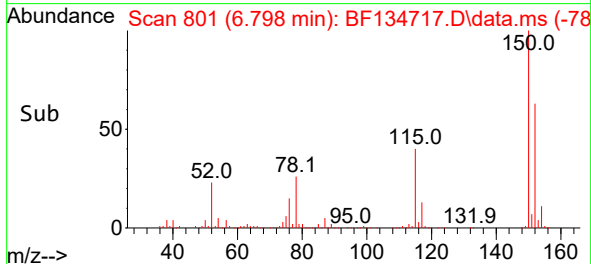
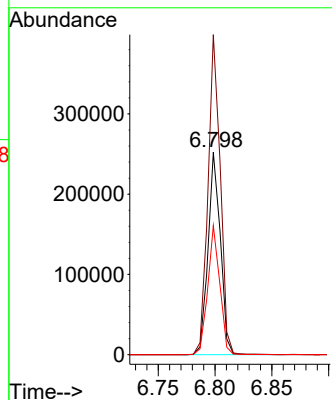
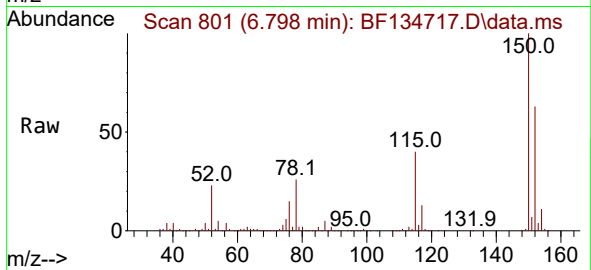




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134717.D
Acq: 10 Aug 2023 19:31

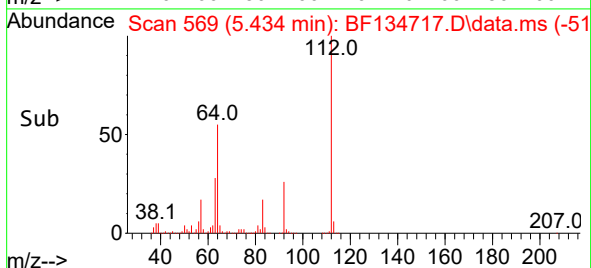
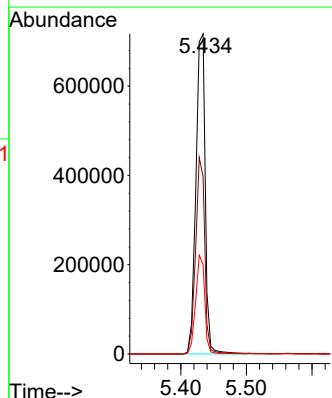
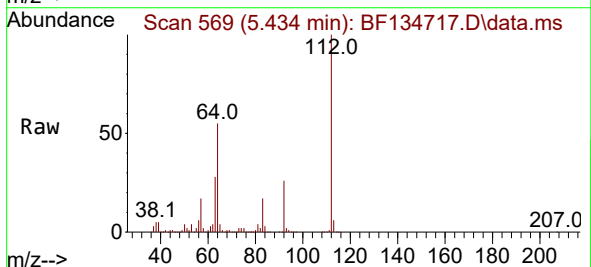
Instrument :
BNA_F
ClientSampleId :
WC-23

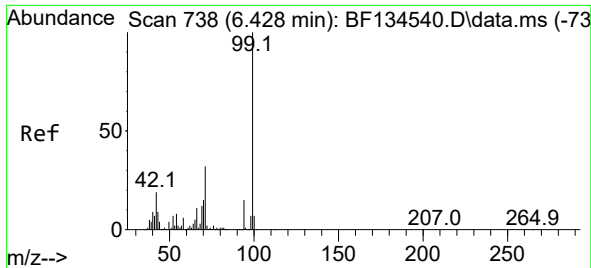
Tgt Ion:152 Resp: 190146
Ion Ratio Lower Upper
152 100
150 158.1 128.3 192.5
115 63.7 52.4 78.6



#5
2-Fluorophenol
Concen: 57.090 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF134717.D
Acq: 10 Aug 2023 19:31

Tgt Ion:112 Resp: 714121
Ion Ratio Lower Upper
112 100
64 55.4 44.9 67.3
63 27.9 25.4 38.0

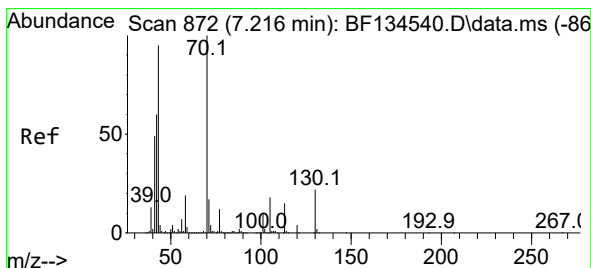
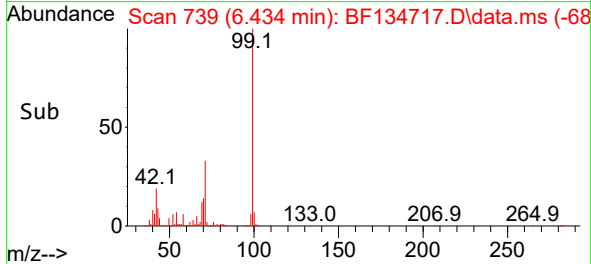
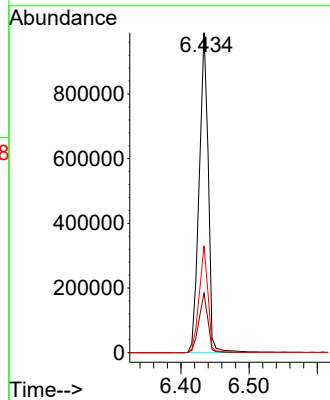
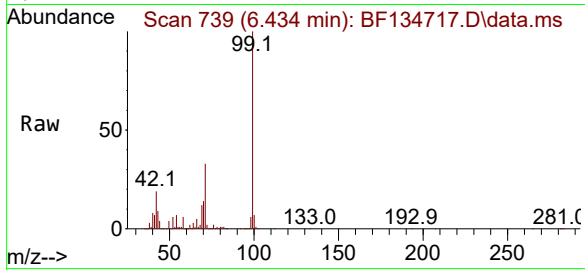




#7
Phenol-d6
Concen: 57.230 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134717.D
Acq: 10 Aug 2023 19:31

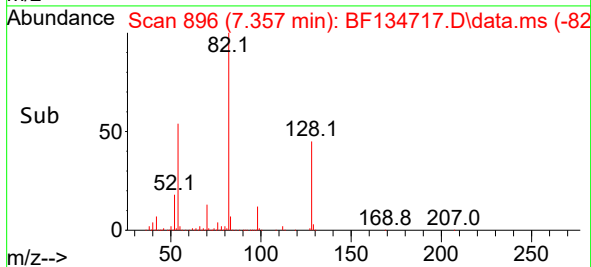
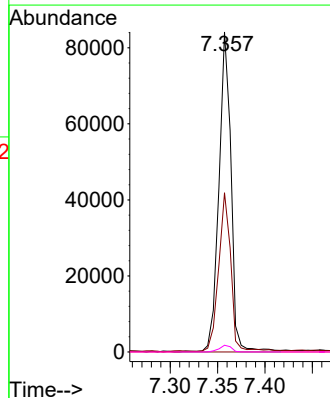
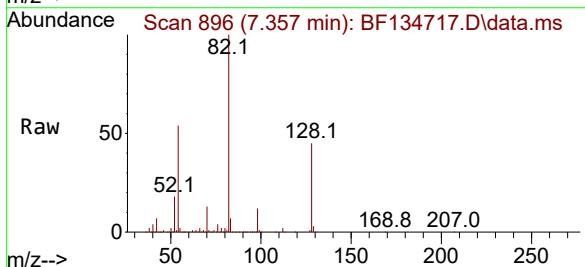
Instrument :
BNA_F
ClientSampleId :
WC-23

Tgt Ion: 99 Resp: 915106
Ion Ratio Lower Upper
99 100
42 18.5 18.7 28.1#
71 33.4 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 7.830 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134717.D
Acq: 10 Aug 2023 19:31

Tgt Ion: 70 Resp: 74966
Ion Ratio Lower Upper
70 100
42 49.8 54.7 82.1#
101 0.0 8.2 12.2#
130 2.1 15.1 22.7#

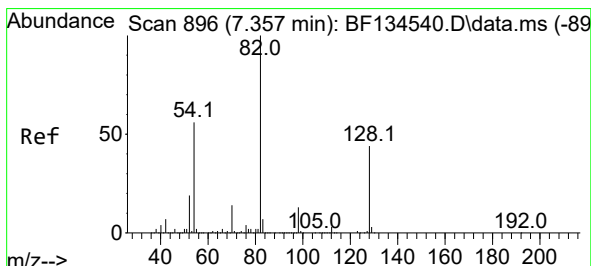
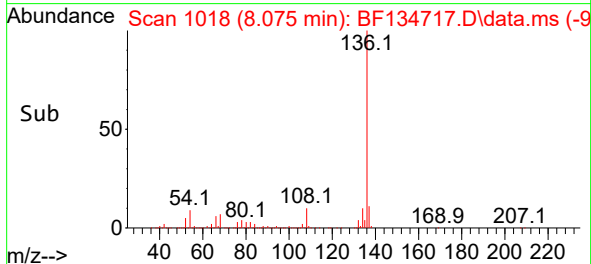
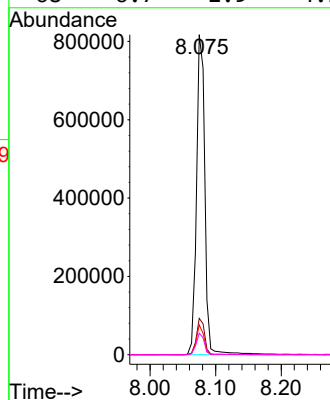
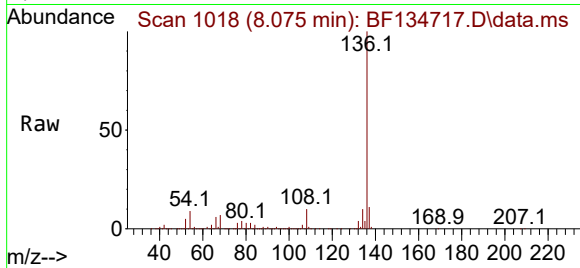




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134717.D
Acq: 10 Aug 2023 19:31

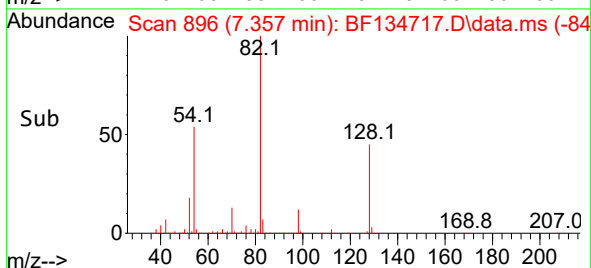
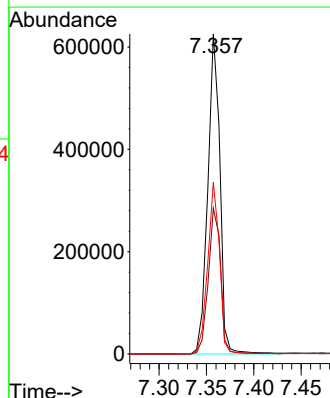
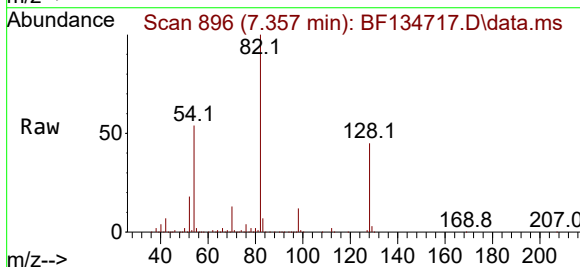
Instrument :
BNA_F
ClientSampleId :
WC-23

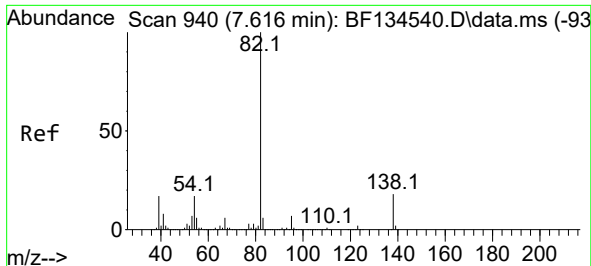
Tgt Ion:	136	Resp:	727385
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.4	12.6
54	9.3	5.2	7.8#
68	6.7	2.9	4.3#



#23
Nitrobenzene-d5
Concen: 47.602 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134717.D
Acq: 10 Aug 2023 19:31

Tgt Ion:	82	Resp:	554065
Ion Ratio	Lower	Upper	
82	100		
128	45.5	34.3	51.5
54	53.6	43.8	65.6

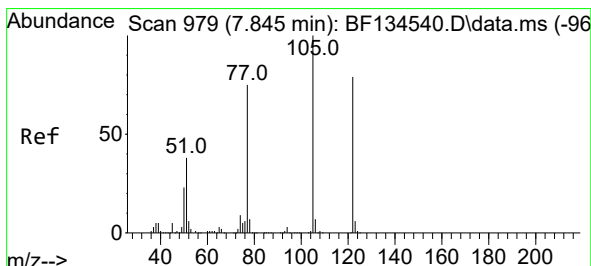
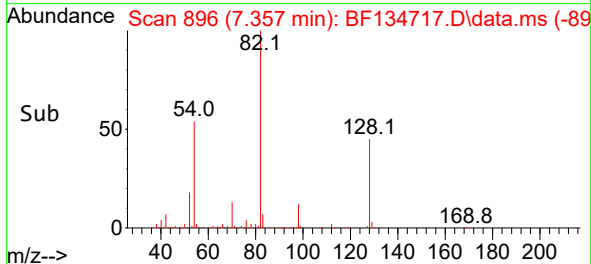
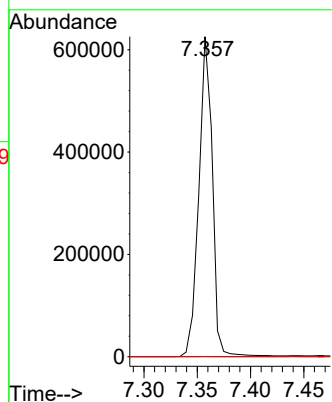
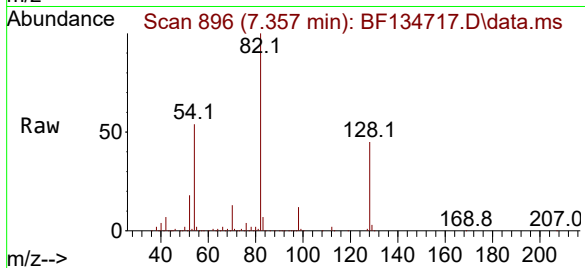




#25
Isophorone
Concen: 21.740 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.270 min
Lab File: BF134717.D
Acq: 10 Aug 2023 19:31

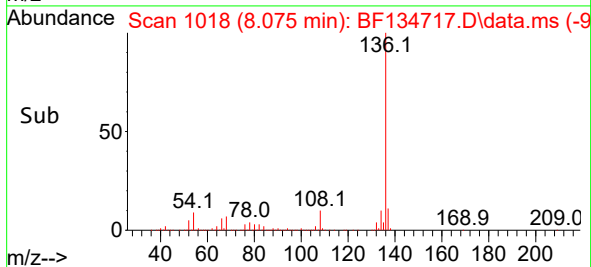
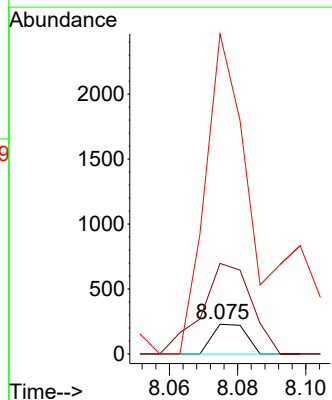
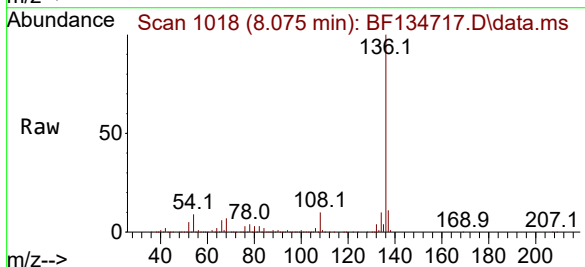
Instrument :
BNA_F
ClientSampleId :
WC-23

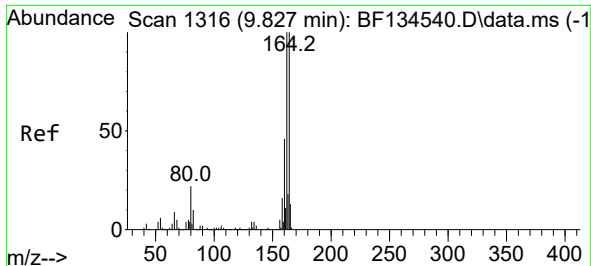
Tgt Ion: 82 Resp: 551907
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.885 ng
RT: 8.075 min Scan# 1018
Delta R.T. 0.212 min
Lab File: BF134717.D
Acq: 10 Aug 2023 19:31

Tgt Ion:122 Resp: 158
Ion Ratio Lower Upper
122 100
105 304.4 87.5 127.5#
77 1075.5 71.4 111.4#

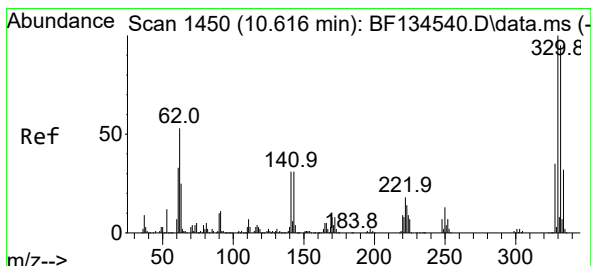
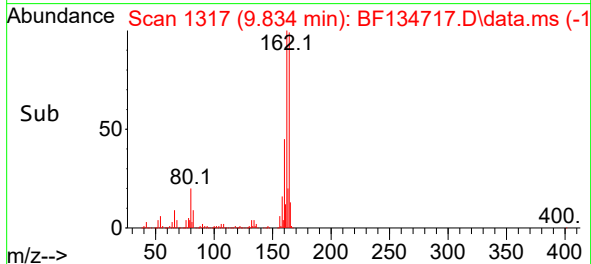
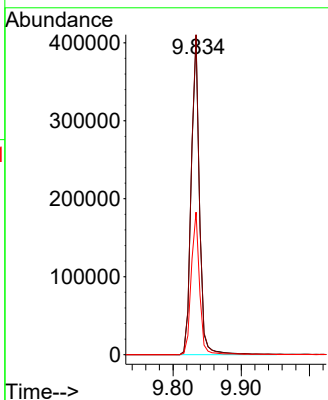
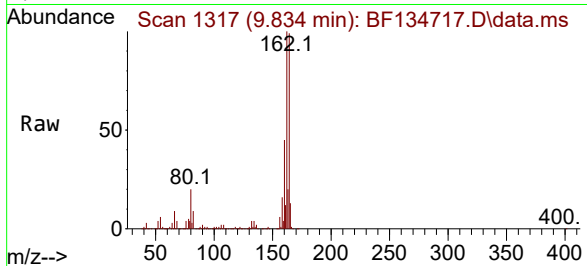




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BF134717.D
Acq: 10 Aug 2023 19:31

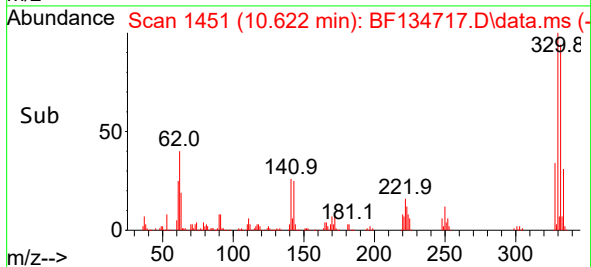
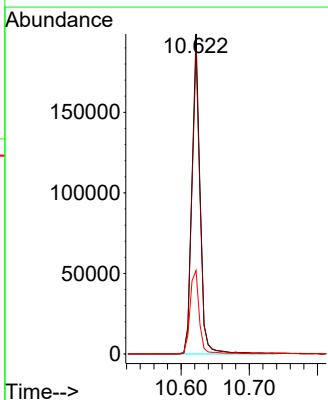
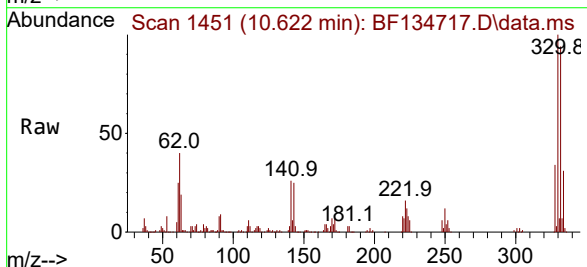
Instrument :
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ClientSampleId :
WC-23

Tgt Ion:164 Resp: 339899
Ion Ratio Lower Upper
164 100
162 101.1 82.6 123.8
160 45.0 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 47.617 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134717.D
Acq: 10 Aug 2023 19:31

Tgt Ion:330 Resp: 164990
Ion Ratio Lower Upper
330 100
332 95.4 78.8 118.2
141 29.8 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 49.744 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134717.D

Acq: 10 Aug 2023 19:31

Instrument :

BNA_F

ClientSampleId :

WC-23

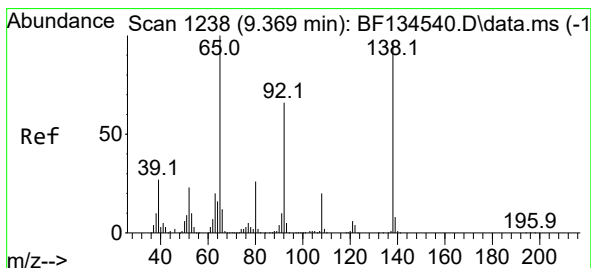
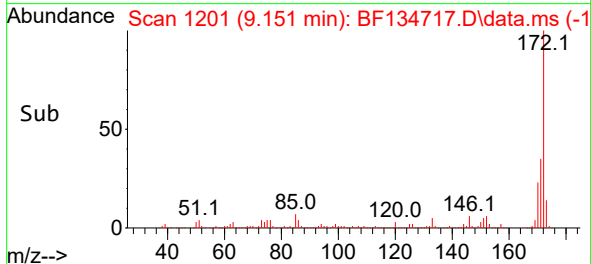
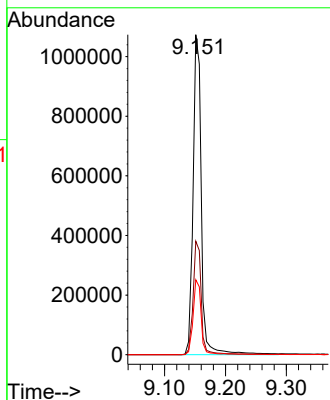
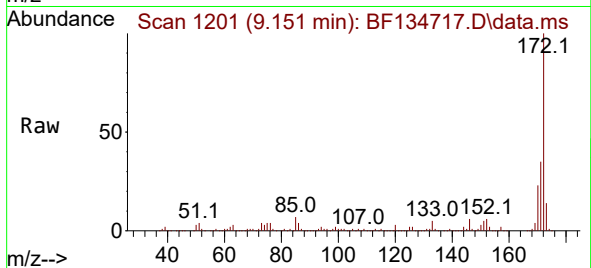
Tgt Ion:172 Resp: 1016894

Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.4 18.7 28.1



#48

2-Nitroaniline

Concen: 3.191 ng

RT: 9.492 min Scan# 1259

Delta R.T. 0.112 min

Lab File: BF134717.D

Acq: 10 Aug 2023 19:31

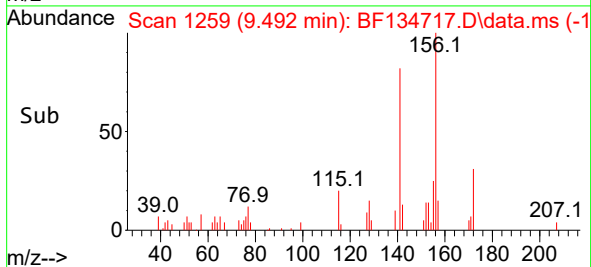
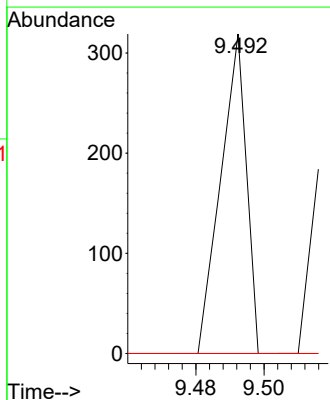
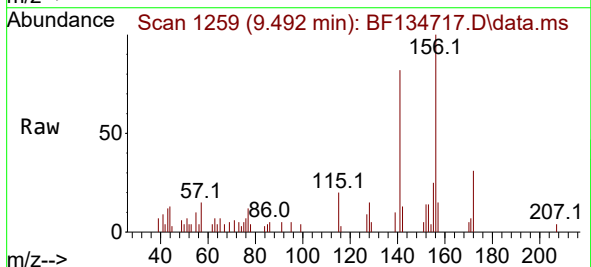
Tgt Ion: 65 Resp: 167

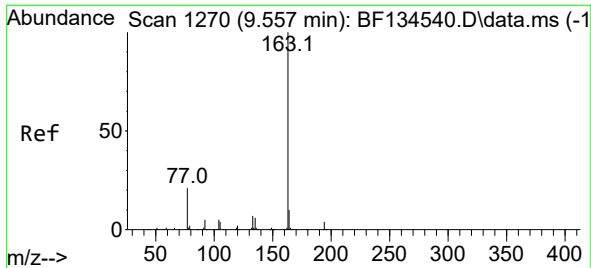
Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#

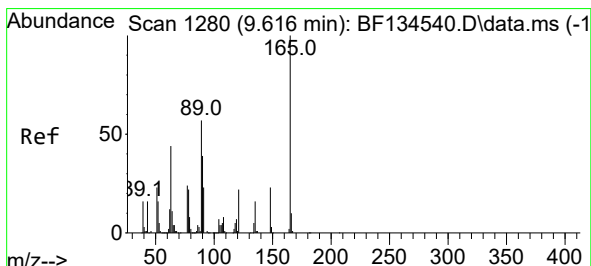
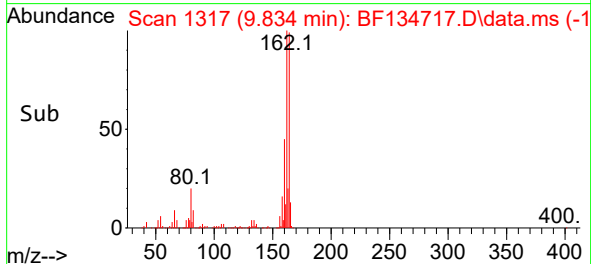
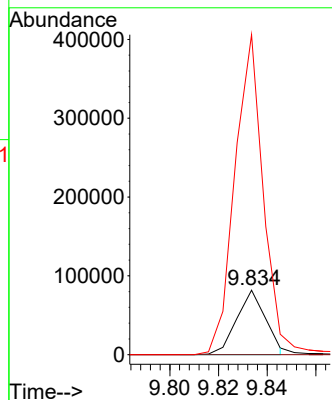
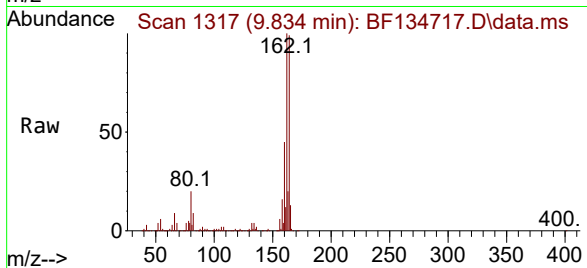




#50
Dimethylphthalate
Concen: 2.938 ng
RT: 9.834 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF134717.D
Acq: 10 Aug 2023 19:31

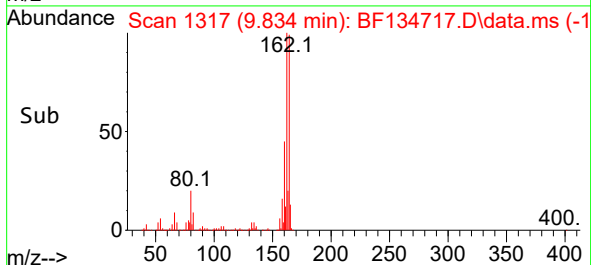
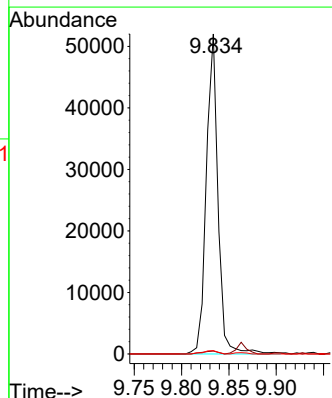
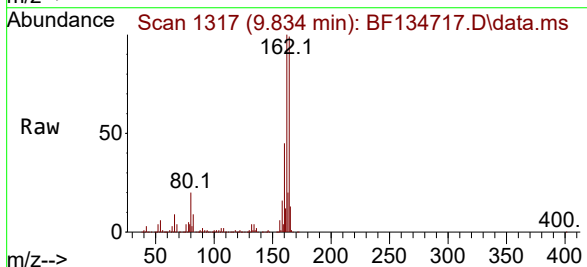
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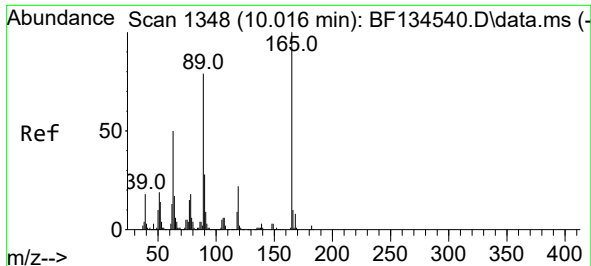
Tgt Ion:163 Resp: 68055
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 496.4 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 11.378 ng
RT: 9.834 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF134717.D
Acq: 10 Aug 2023 19:31

Tgt Ion:165 Resp: 44474
Ion Ratio Lower Upper
165 100
63 0.9 57.8 86.6#
89 1.1 51.8 77.8#

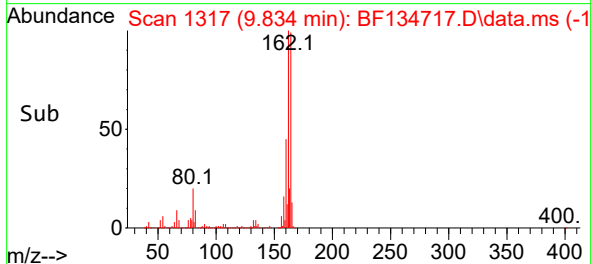
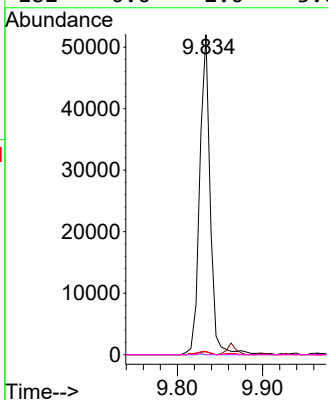
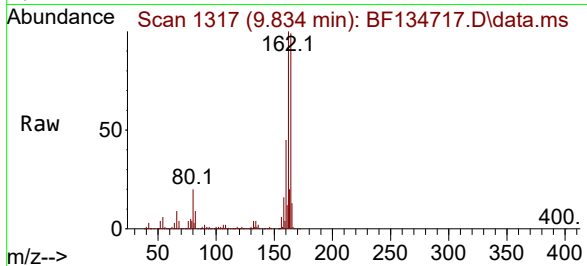




#57
2,4-Dinitrotoluene
Concen: 10.159 ng
RT: 9.834 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF134717.D
Acq: 10 Aug 2023 19:31

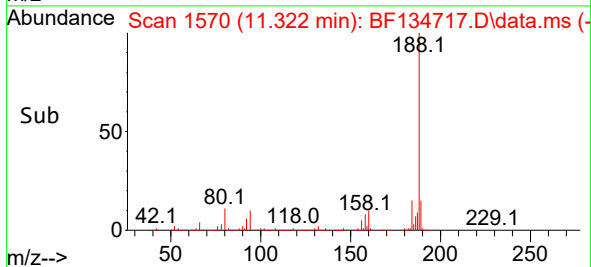
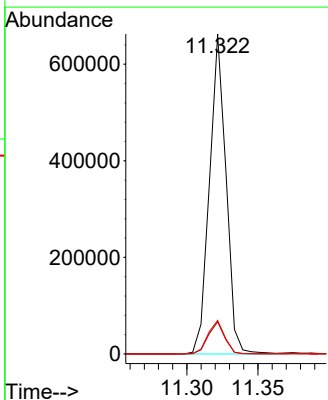
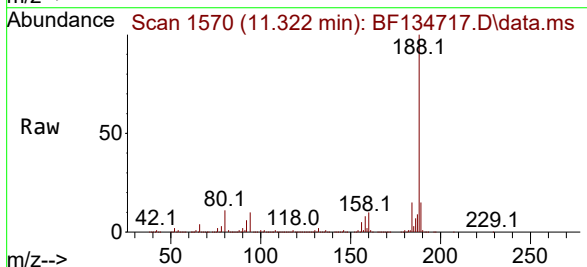
Instrument :
BNA_F
ClientSampleId :
WC-23

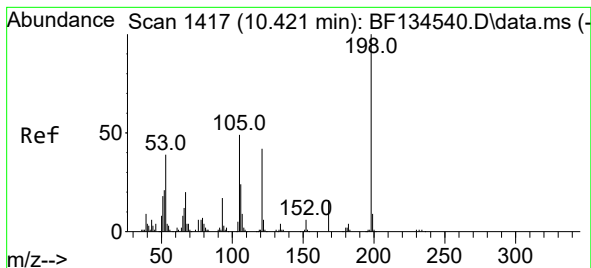
Tgt Ion:165 Resp: 44542
Ion Ratio Lower Upper
165 100
63 0.9 48.9 73.3#
89 1.1 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF134717.D
Acq: 10 Aug 2023 19:31

Tgt Ion:188 Resp: 538871
Ion Ratio Lower Upper
188 100
94 10.0 5.1 7.7#
80 10.5 6.6 9.8#

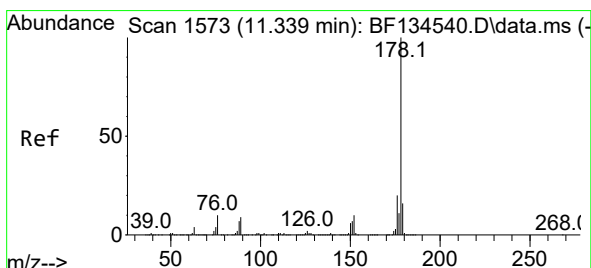
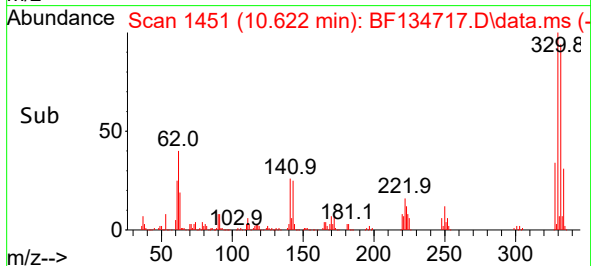
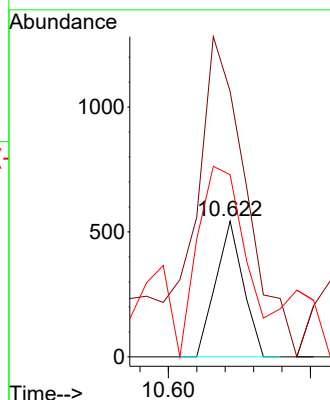
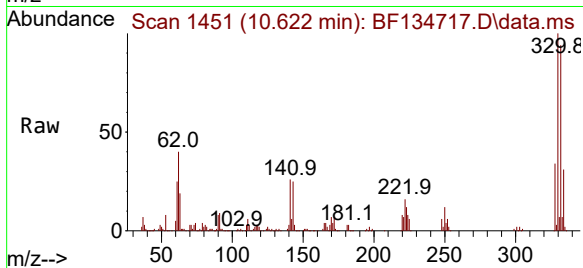




#65
4,6-Dinitro-2-methylphenol
Concen: 8.836 ng
RT: 10.622 min Scan# 1417
Delta R.T. 0.182 min
Lab File: BF134717.D
Acq: 10 Aug 2023 19:31

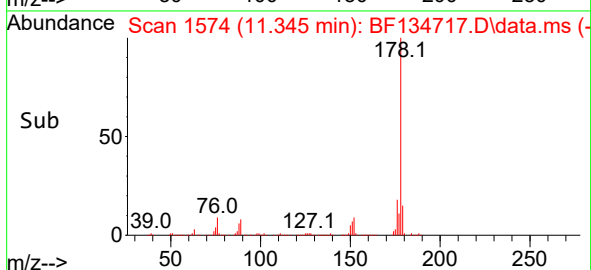
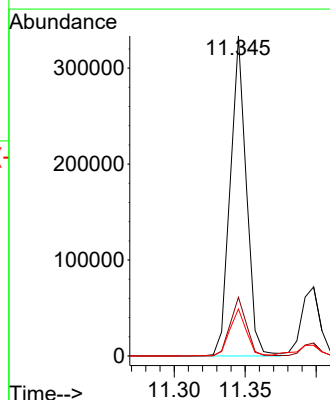
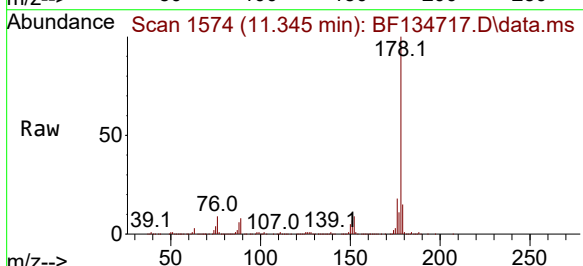
Instrument :
BNA_F
ClientSampleId :
WC-23

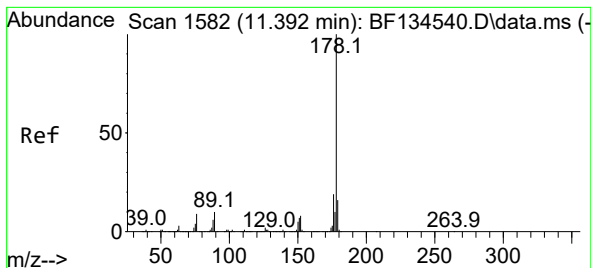
Tgt Ion:198 Resp: 365
Ion Ratio Lower Upper
198 100
51 195.8 38.6 78.6#
105 134.3 27.9 67.9#



#71
Phenanthrene
Concen: 9.220 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134717.D
Acq: 10 Aug 2023 19:31

Tgt Ion:178 Resp: 263899
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.6
179 14.7 12.7 19.1





#72

Anthracene

Concen: 2.145 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF134717.D

Acq: 10 Aug 2023 19:31

Instrument :

BNA_F

ClientSampleId :

WC-23

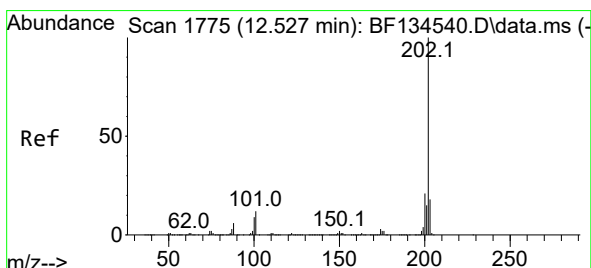
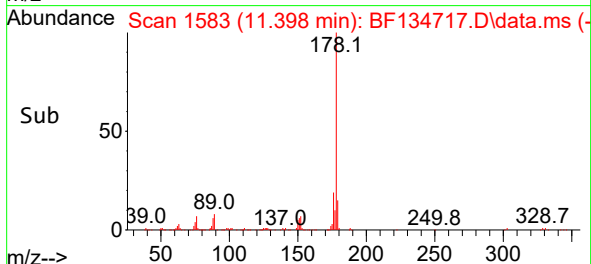
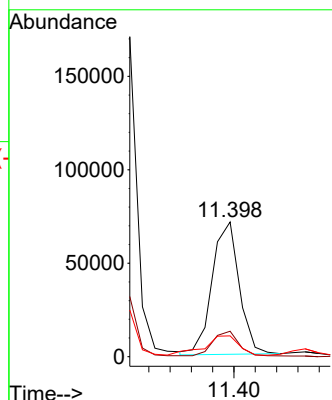
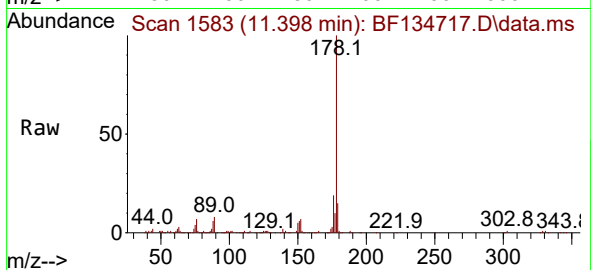
Tgt Ion:178 Resp: 62704

Ion Ratio Lower Upper

178 100

176 18.9 14.6 21.8

179 15.4 12.3 18.5



#75

Fluoranthene

Concen: 11.793 ng

RT: 12.539 min Scan# 1777

Delta R.T. 0.000 min

Lab File: BF134717.D

Acq: 10 Aug 2023 19:31

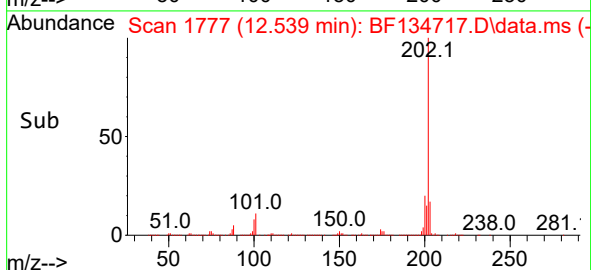
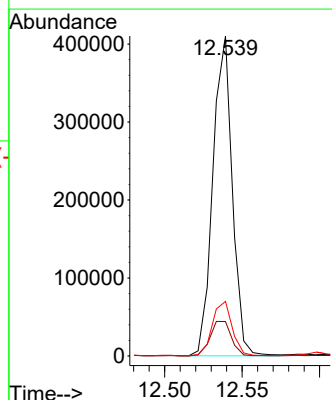
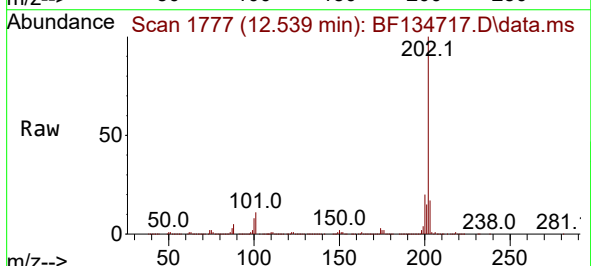
Tgt Ion:202 Resp: 356562

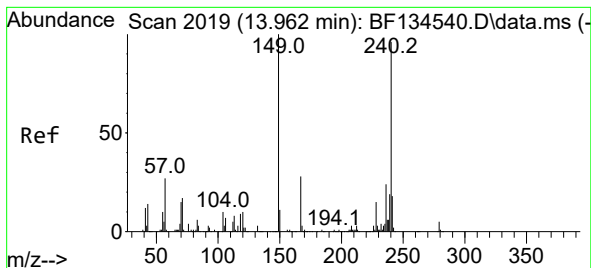
Ion Ratio Lower Upper

202 100

101 10.7 0.0 28.5

203 17.0 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134717.D

Acq: 10 Aug 2023 19:31

Instrument :

BNA_F

ClientSampleId :

WC-23

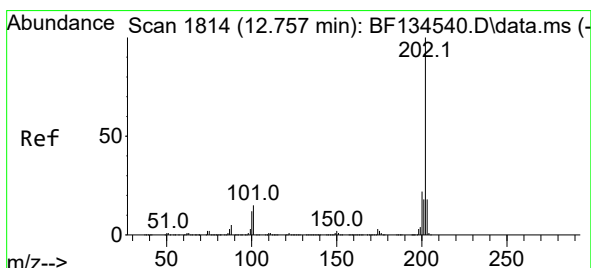
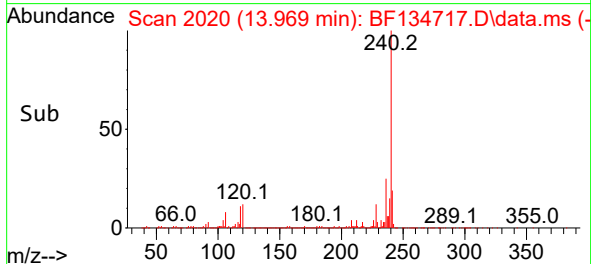
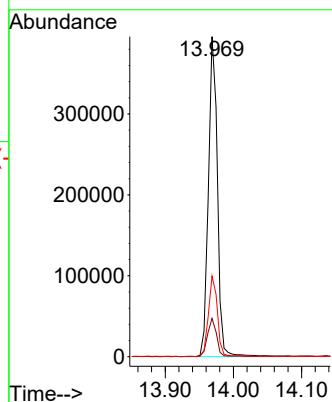
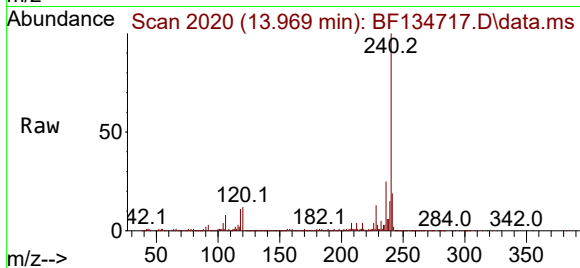
Tgt Ion:240 Resp: 364654

Ion Ratio Lower Upper

240 100

120 12.0 6.6 10.0#

236 25.2 20.2 30.2



#78

Pyrene

Concen: 10.574 ng

RT: 12.769 min Scan# 1816

Delta R.T. 0.000 min

Lab File: BF134717.D

Acq: 10 Aug 2023 19:31

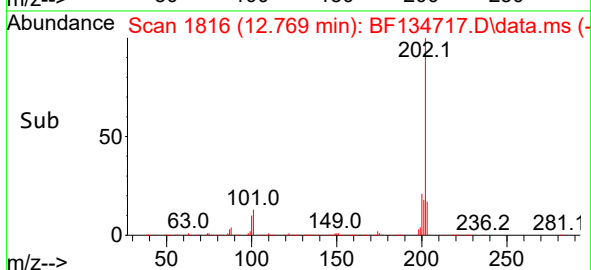
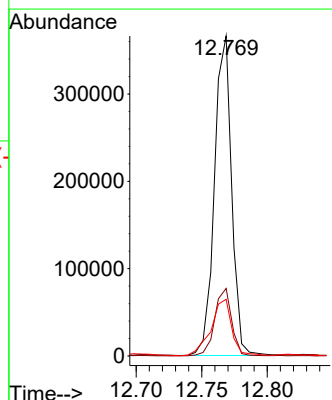
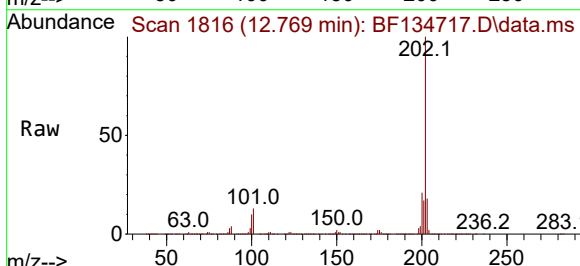
Tgt Ion:202 Resp: 333668

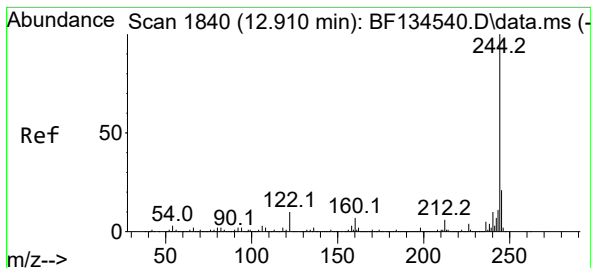
Ion Ratio Lower Upper

202 100

200 21.1 15.8 23.8

203 17.7 13.5 20.3





#79

Terphenyl-d14

Concen: 43.775 ng

RT: 12.916 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134717.D

Acq: 10 Aug 2023 19:31

Instrument :

BNA_F

ClientSampleId :

WC-23

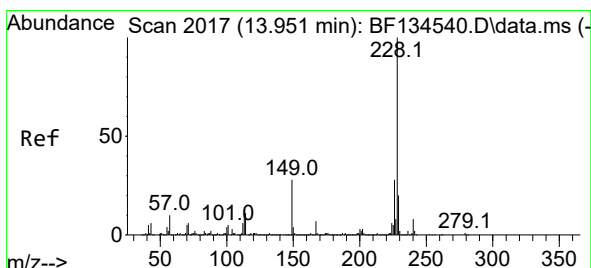
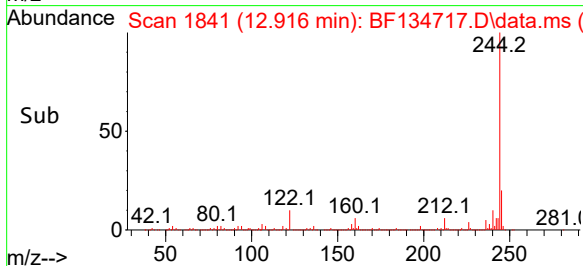
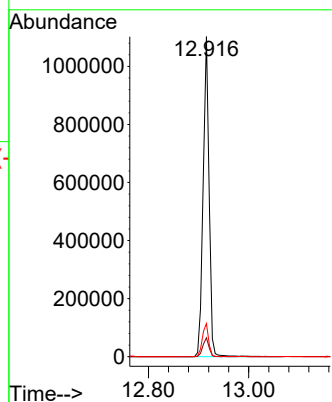
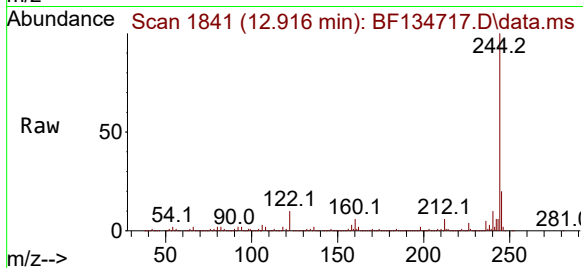
Tgt Ion:244 Resp: 905501

Ion Ratio Lower Upper

244 100

212 5.9 5.6 8.4

122 10.4 8.0 12.0



#81

Benzo(a)anthracene

Concen: 5.972 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF134717.D

Acq: 10 Aug 2023 19:31

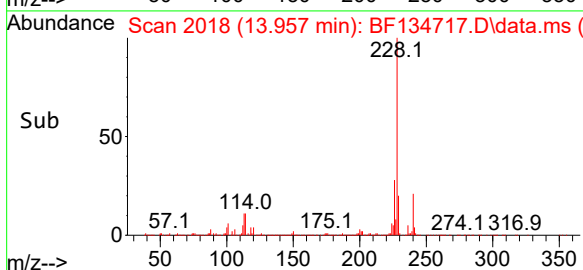
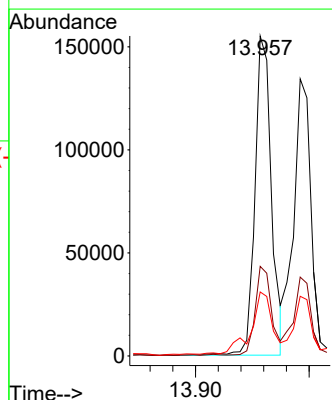
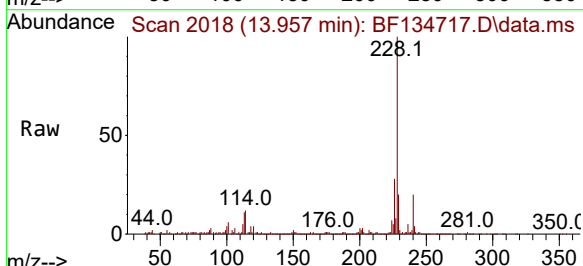
Tgt Ion:228 Resp: 155721

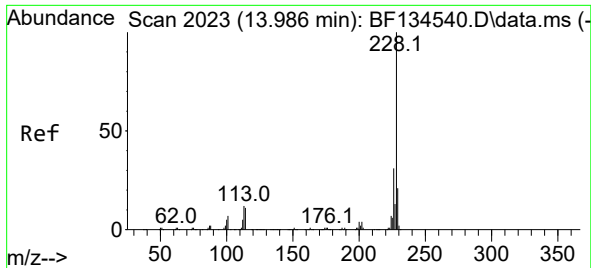
Ion Ratio Lower Upper

228 100

226 28.0 22.3 33.5

229 20.0 15.8 23.6

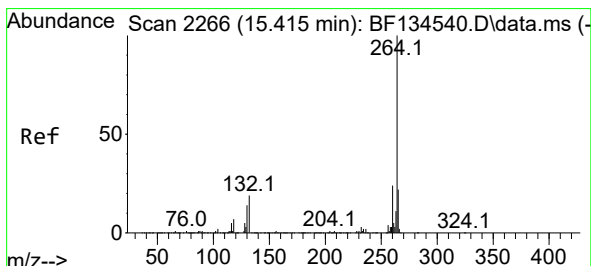
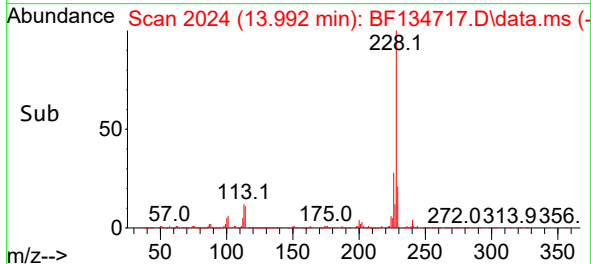
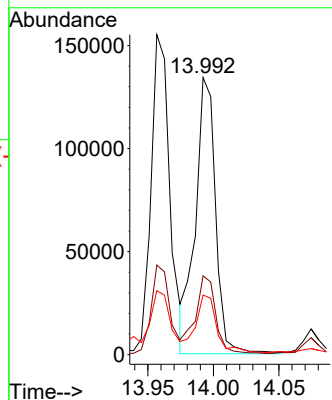
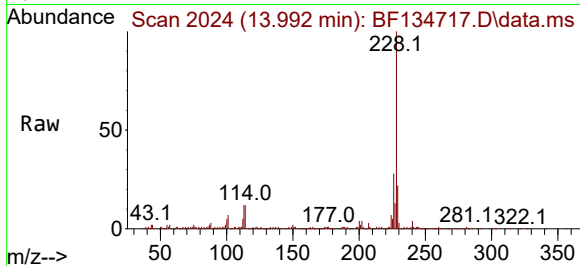




#83
Chrysene
Concen: 5.673 ng
RT: 13.992 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF134717.D
Acq: 10 Aug 2023 19:31

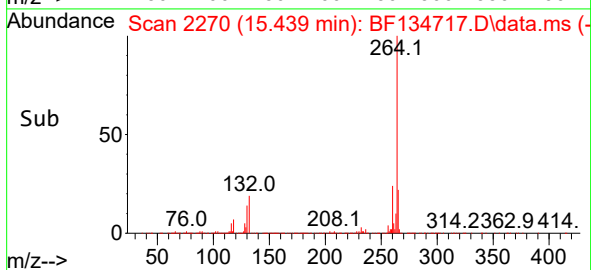
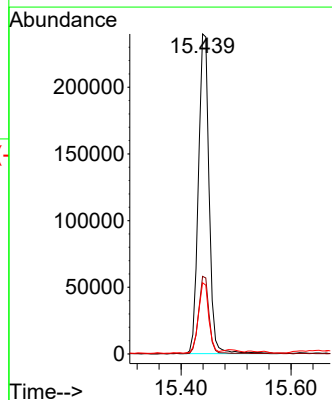
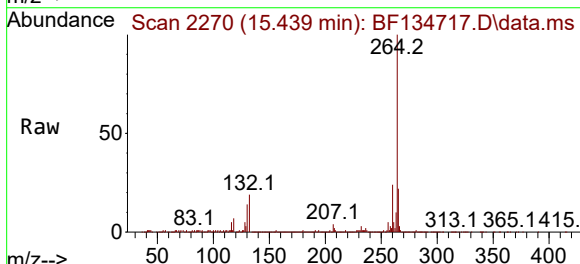
Instrument :
BNA_F
ClientSampleId :
WC-23

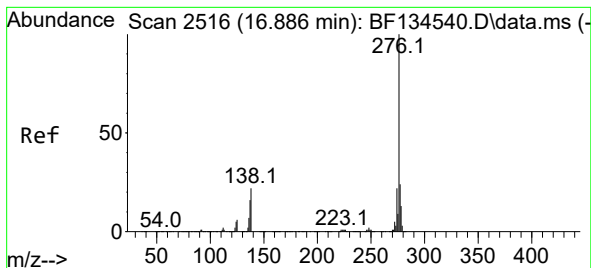
Tgt Ion:228 Resp: 144114
Ion Ratio Lower Upper
228 100
226 28.5 24.5 36.7
229 21.6 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF134717.D
Acq: 10 Aug 2023 19:31

Tgt Ion:264 Resp: 323783
Ion Ratio Lower Upper
264 100
260 24.3 18.4 27.6
265 22.2 15.8 23.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.910 ng

RT: 16.927 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BF134717.D

Acq: 10 Aug 2023 19:31

Instrument :

BNA_F

ClientSampleId :

WC-23

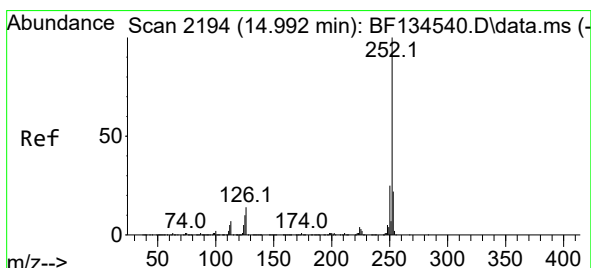
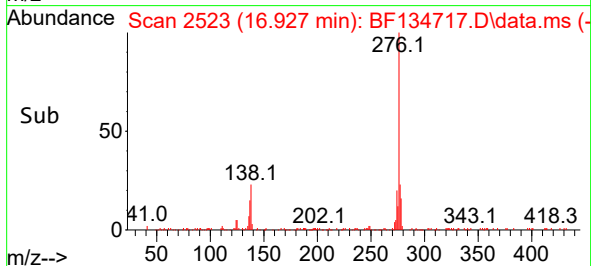
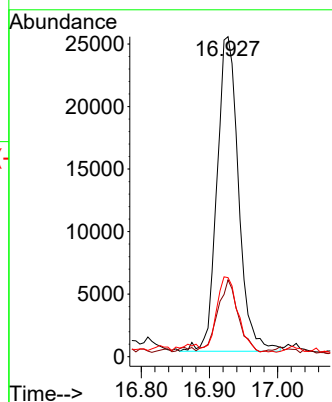
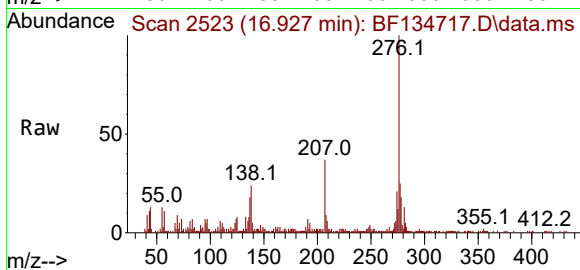
Tgt Ion:276 Resp: 55406

Ion Ratio Lower Upper

276 100

138 21.7 14.2 21.4#

277 23.8 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 10.128 ng

RT: 15.010 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BF134717.D

Acq: 10 Aug 2023 19:31

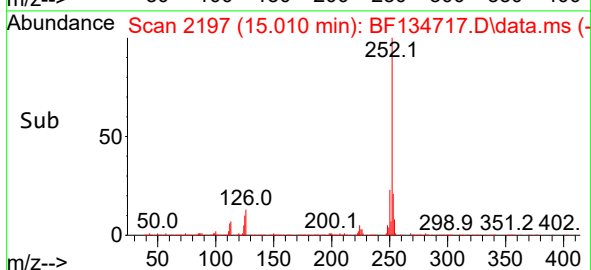
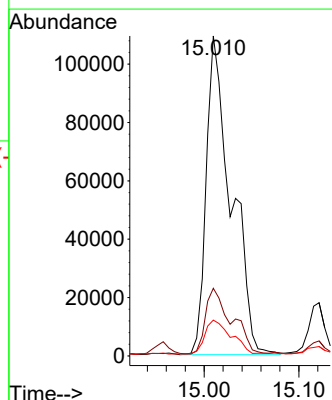
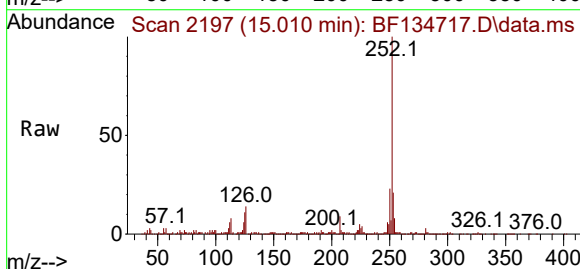
Tgt Ion:252 Resp: 199992

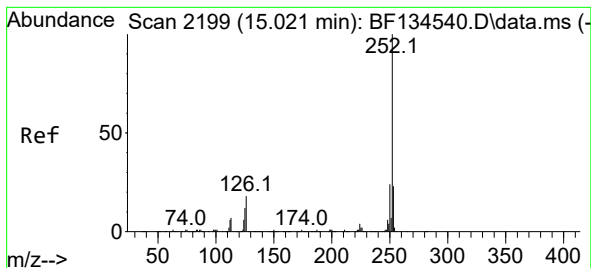
Ion Ratio Lower Upper

252 100

253 21.1 17.3 25.9

125 11.2 6.0 9.0#





#89

Benzo(k)fluoranthene

Concen: 10.167 ng

RT: 15.010 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF134717.D

Acq: 10 Aug 2023 19:31

Instrument :

BNA_F

ClientSampleId :

WC-23

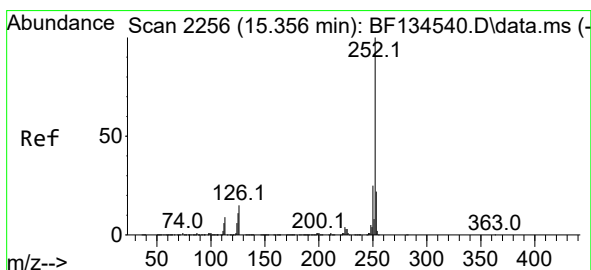
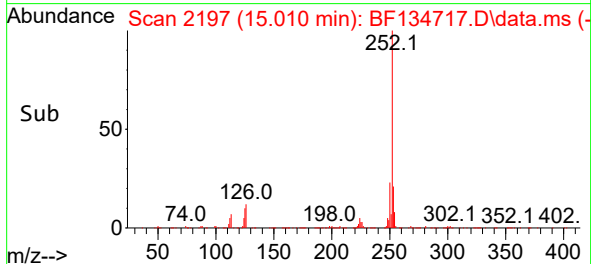
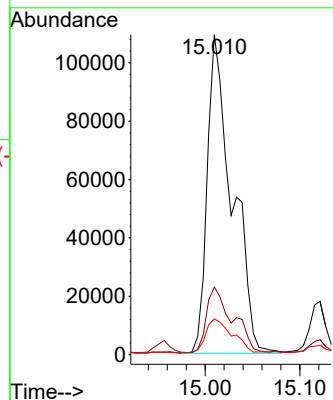
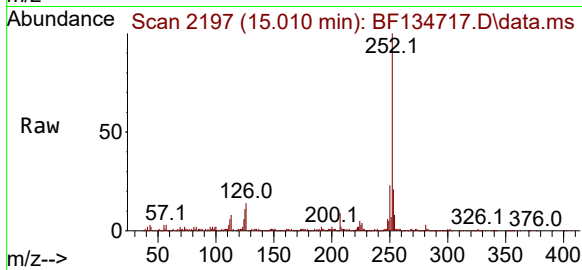
Tgt Ion:252 Resp: 199992

Ion Ratio Lower Upper

252 100

253 21.1 17.9 26.9

125 11.2 6.3 9.5#



#90

Benzo(a)pyrene

Concen: 5.841 ng

RT: 15.374 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF134717.D

Acq: 10 Aug 2023 19:31

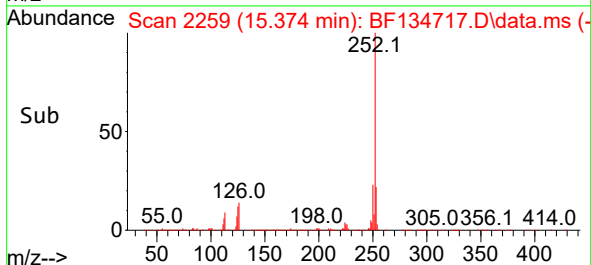
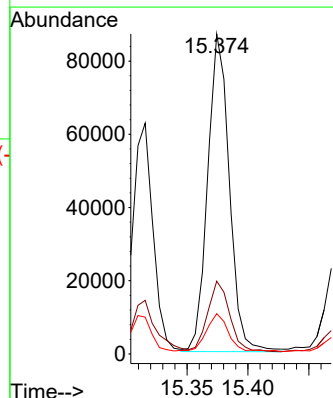
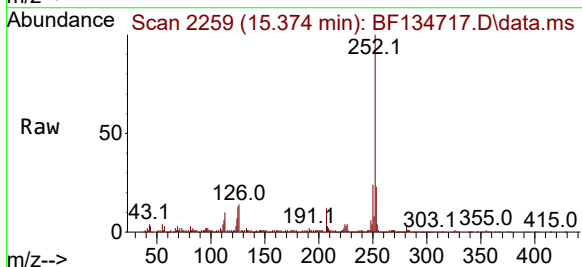
Tgt Ion:252 Resp: 107539

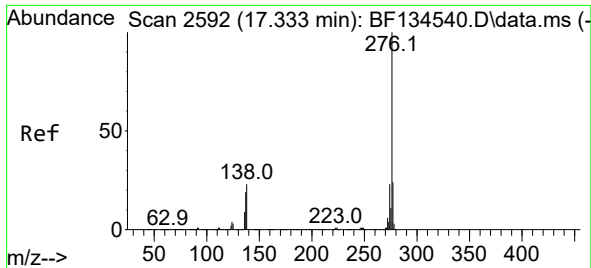
Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.4

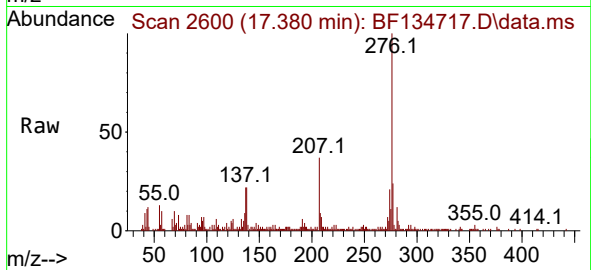
125 12.6 6.2 9.4#





#92
Benzo(g,h,i)perylene
Concen: 3.539 ng
RT: 17.380 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF134717.D
Acq: 10 Aug 2023 19:31

Instrument :
BNA_F
ClientSampleId :
WC-23



Tgt Ion:276 Resp: 55558
Ion Ratio Lower Upper
276 100
277 23.8 19.0 28.6
138 22.2 12.2 18.2#

