

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
 Data File : BF134019.D
 Acq On : 28 Jun 2023 07:59
 Operator : CG\JU
 Sample : 03355-06
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

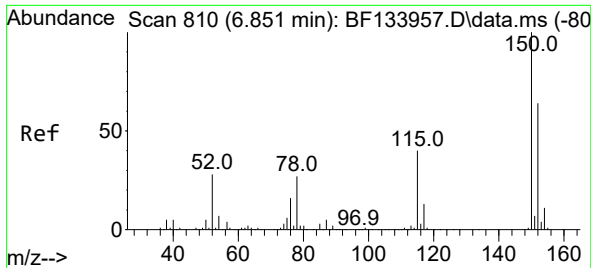
Instrument :
 BNA_F
 ClientSampleId :
 SB-03-COMP

Quant Time: Jun 28 08:30:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 26 23:12:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	92652	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	336853	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	149365	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	260518	20.000	ng	0.00
76) Chrysene-d12	14.045	240	154259	20.000	ng	0.00
86) Perylene-d12	15.556	264	151767	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	462166	83.441	ng	0.00
7) Phenol-d6	6.486	99	597221	87.676	ng	0.00
23) Nitrobenzene-d5	7.410	82	402808	64.460	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	91979	49.115	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	652880	63.550	ng	0.00
79) Terphenyl-d14	12.980	244	770402	80.378	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.404	77	2924	Below Cal		96
19) n-Nitroso-di-n-propyla...	7.410	70	55787	12.914 ng	#	78
25) Isophorone	7.410	82	402740	35.462 ng	#	64
49) Acenaphthylene	9.751	152	31874	2.128 ng		99
51) 2,6-Dinitrotoluene	9.886	165	18990	8.132 ng	#	23
63) Azobenzene	10.604	77	23875	2.234 ng	#	1
67) 4-Bromophenyl-phenylether	10.680	248	5981	2.160 ng	#	1
71) Phenanthrene	11.410	178	178083	13.579 ng		99
72) Anthracene	11.463	178	62288	4.566 ng		100
75) Fluoranthene	12.610	202	516762	36.447 ng		98
78) Pyrene	12.839	202	459313	31.995 ng		99
81) Benzo(a)anthracene	14.033	228	194767	18.206 ng		98
83) Chrysene	14.074	228	168771	16.288 ng		98
84) Bis(2-ethylhexyl)phtha...	14.021	149	42615	6.888 ng		97
87) Indeno(1,2,3-cd)pyrene	17.103	276	82667	7.850 ng		97
88) Benzo(b)fluoranthene	15.109	252	250561	28.077 ng	#	96
89) Benzo(k)fluoranthene	15.109	252	250561	27.577 ng	#	95
90) Benzo(a)pyrene	15.492	252	147675	17.113 ng		97
91) Dibenzo(a,h)anthracene	17.115	278	20438	2.376 ng	#	73
92) Benzo(g,h,i)perylene	17.568	276	78710	8.873 ng		96

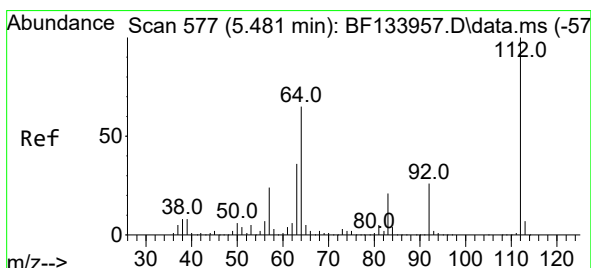
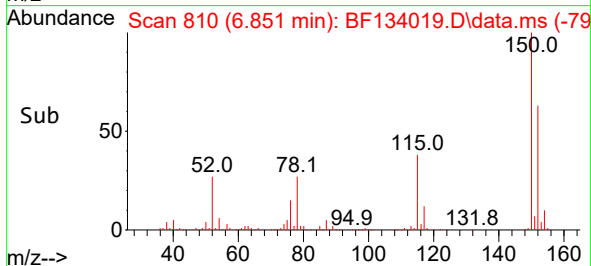
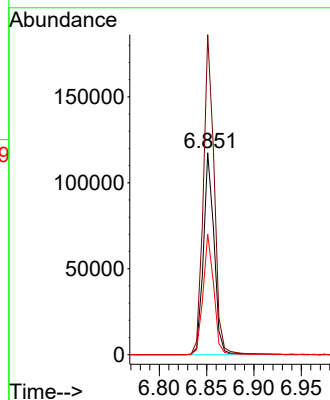
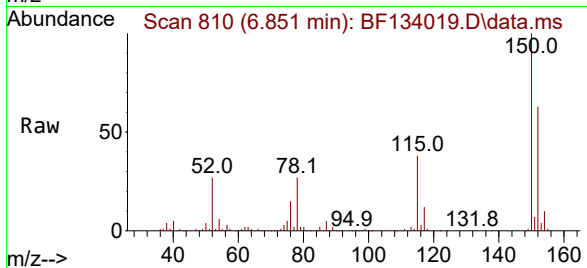
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59

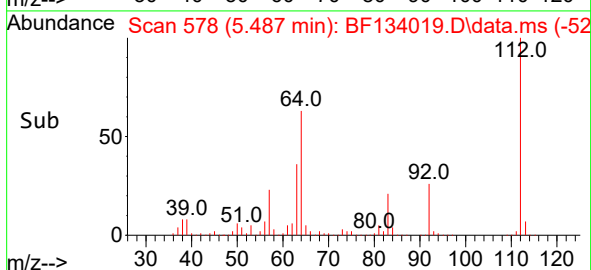
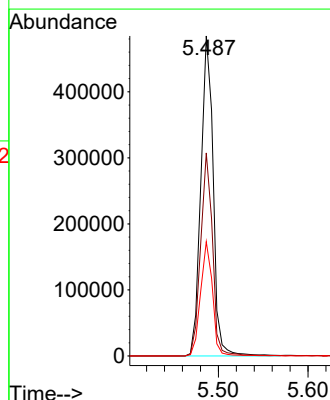
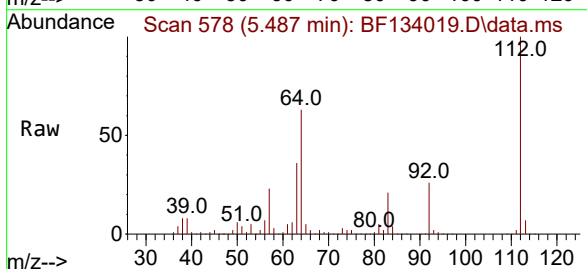
Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

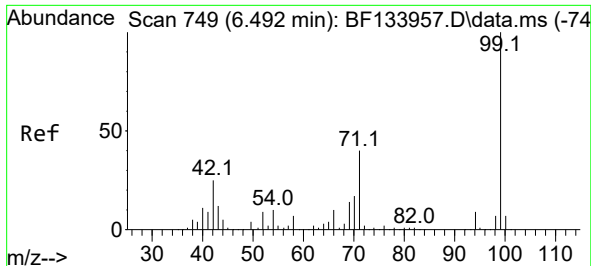
Tgt Ion:152 Resp: 92652
Ion Ratio Lower Upper
152 100
150 158.5 124.5 186.7
115 59.7 50.2 75.2



#5
2-Fluorophenol
Concen: 83.441 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59

Tgt Ion:112 Resp: 462166
Ion Ratio Lower Upper
112 100
64 63.4 52.1 78.1
63 35.7 28.6 42.8

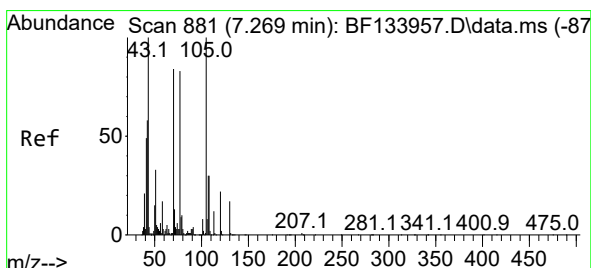
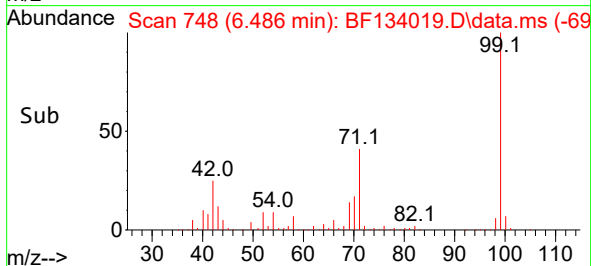
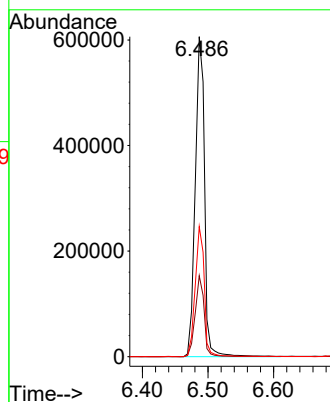
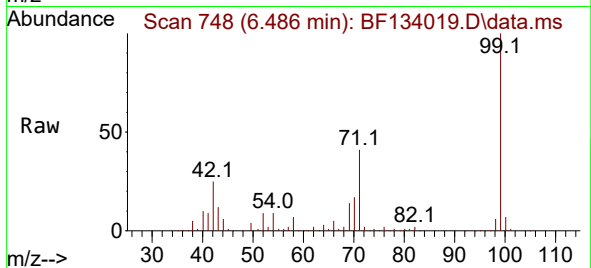




#7
Phenol-d6
Concen: 87.676 ng
RT: 6.486 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59

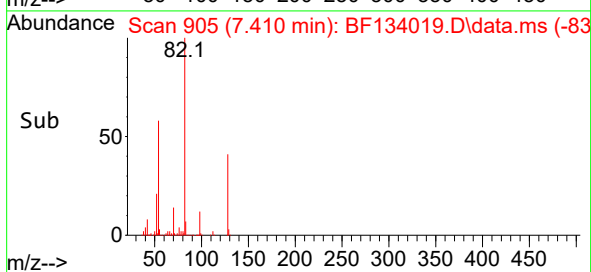
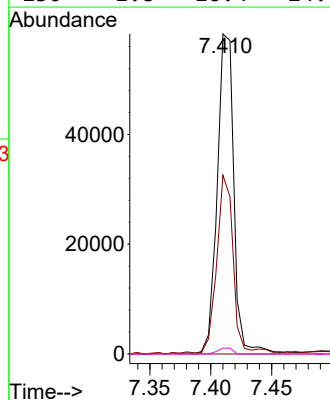
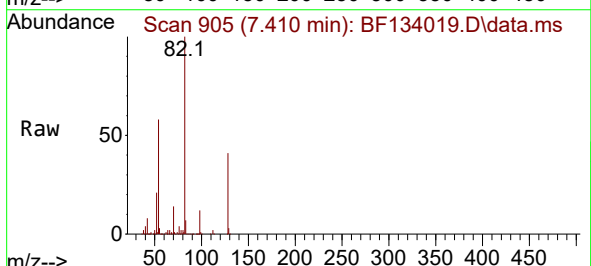
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BNA_F
ClientSampleId :
SB-03-COMP

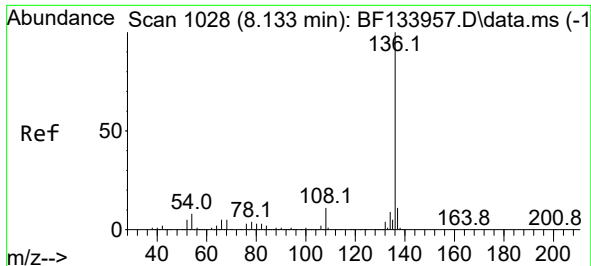
Tgt Ion: 99 Resp: 597221
Ion Ratio Lower Upper
99 100
42 25.3 19.8 29.6
71 40.7 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 12.914 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59

Tgt Ion: 70 Resp: 55787
Ion Ratio Lower Upper
70 100
42 55.8 54.7 82.1
101 0.0 7.7 11.5#
130 1.8 16.4 24.6#

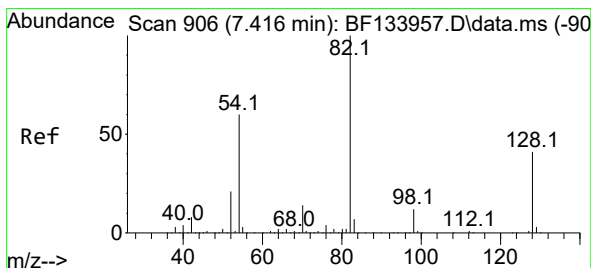
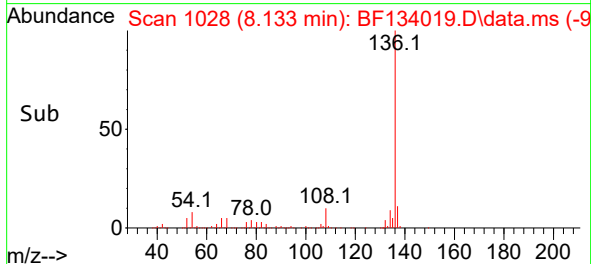
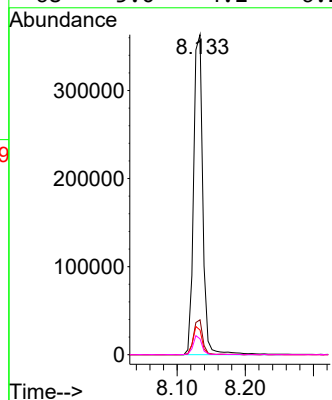
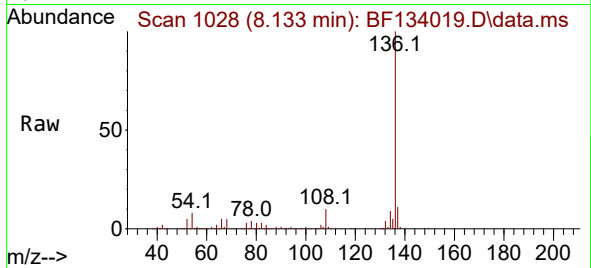




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59

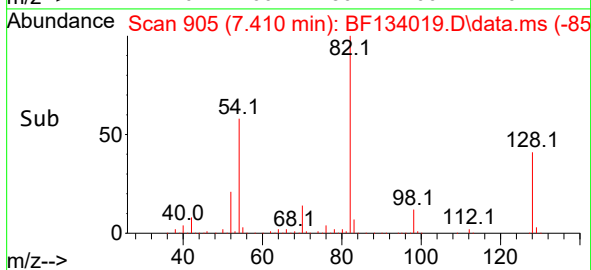
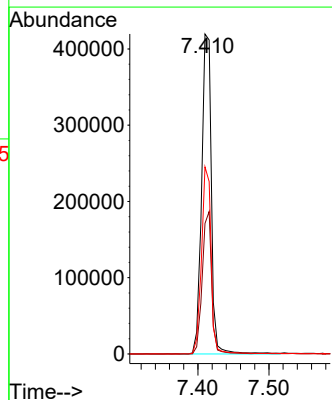
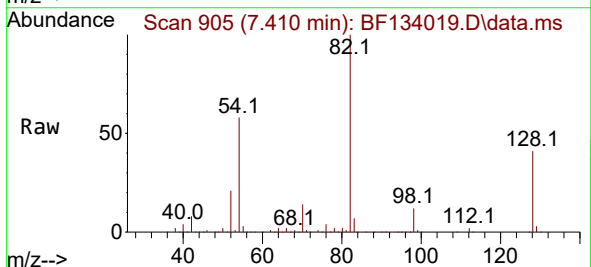
Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

Tgt Ion:136 Resp: 336853
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 7.7 6.5 9.7
68 5.0 4.2 6.2



#23
Nitrobenzene-d5
Concen: 64.460 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59

Tgt Ion: 82 Resp: 402808
Ion Ratio Lower Upper
82 100
128 40.8 32.5 48.7
54 58.4 48.2 72.2

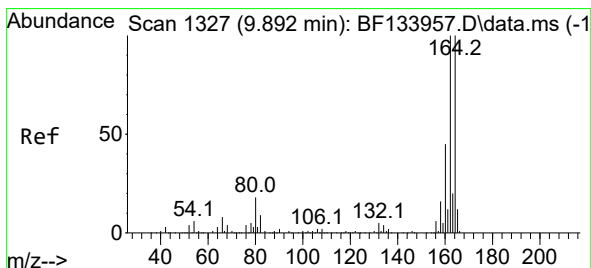
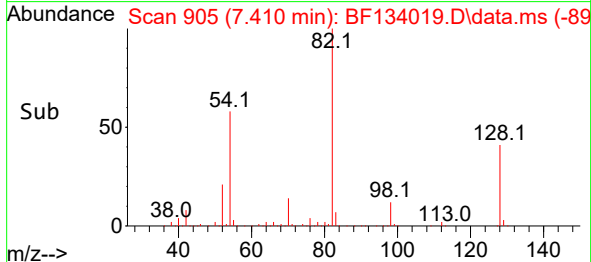
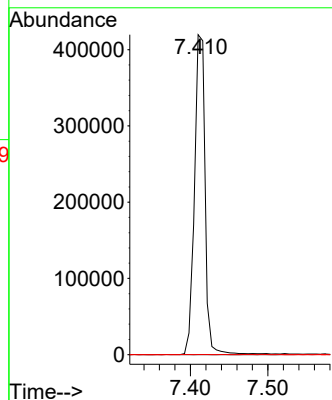
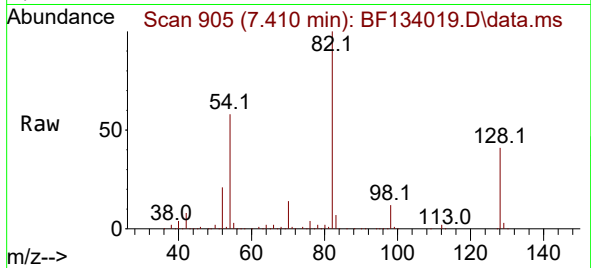




#25
Isophorone
Concen: 35.462 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.265 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59

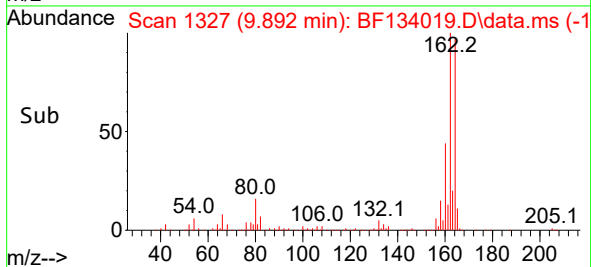
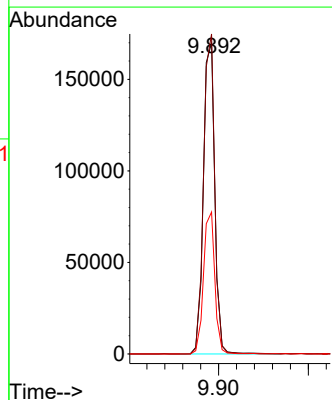
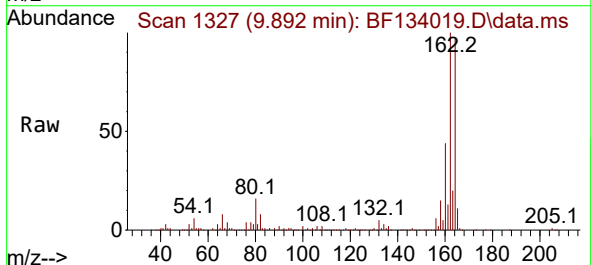
Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

Tgt Ion: 82 Resp: 402740
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59

Tgt Ion:164 Resp: 149365
Ion Ratio Lower Upper
164 100
162 102.9 80.0 120.0
160 45.6 35.9 53.9

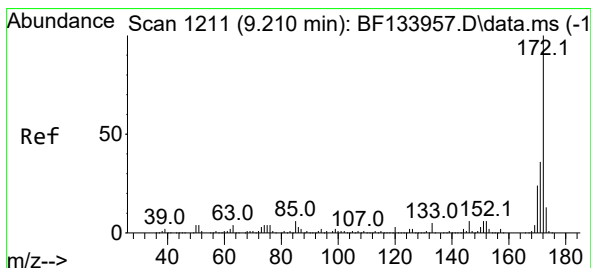
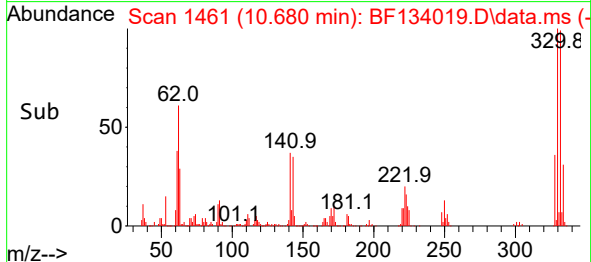
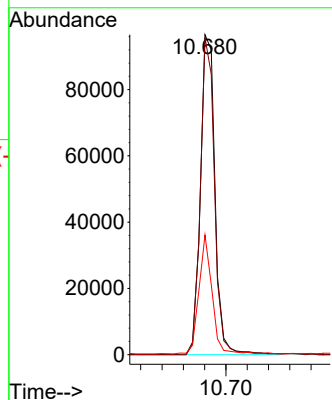
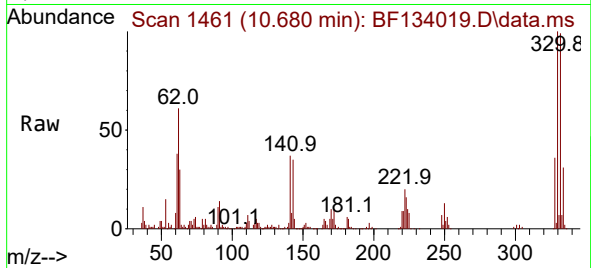




#42
2,4,6-Tribromophenol
Concen: 49.115 ng
RT: 10.680 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59

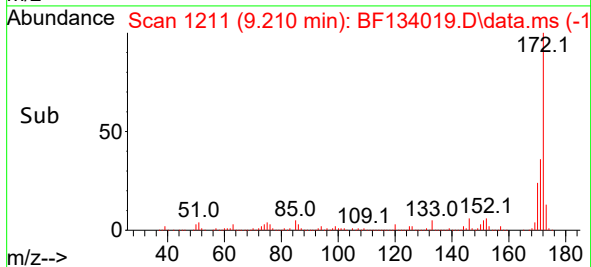
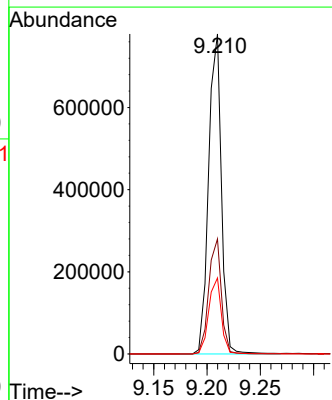
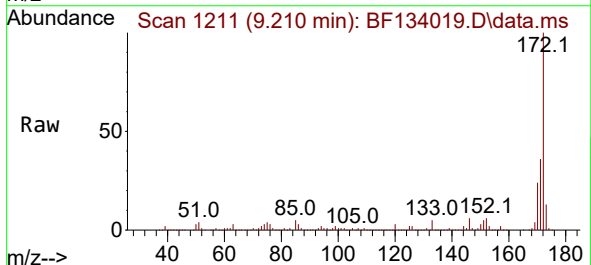
Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

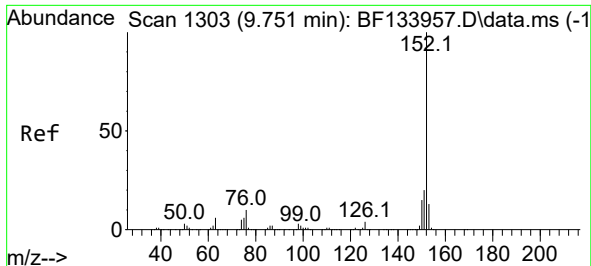
Tgt Ion:330 Resp: 91979
Ion Ratio Lower Upper
330 100
332 95.9 77.0 115.6
141 33.3 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 63.550 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.000 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59

Tgt Ion:172 Resp: 652880
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 23.7 19.4 29.0

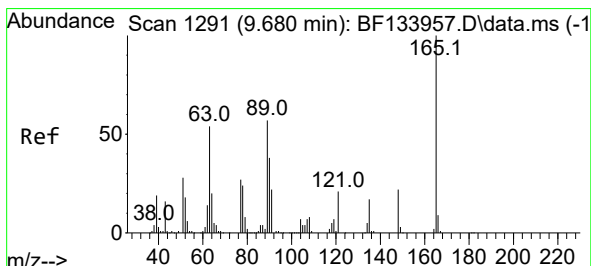
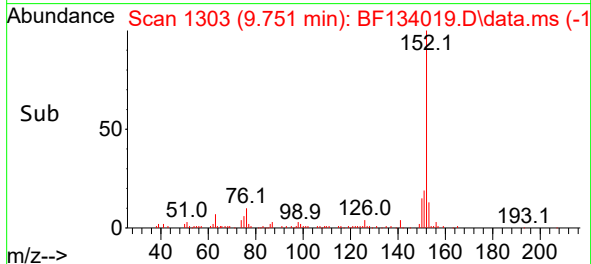
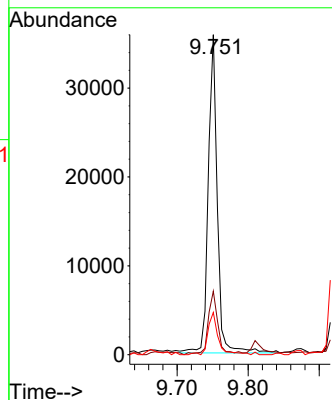
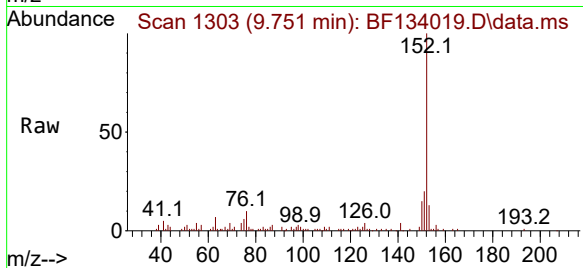




#49
Acenaphthylene
Concen: 2.128 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59

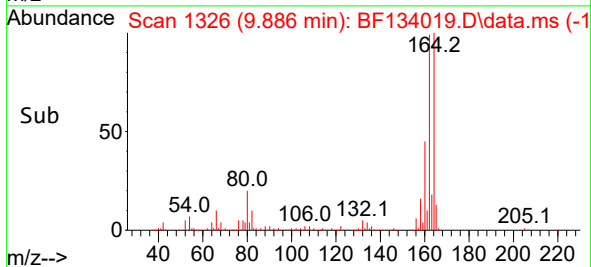
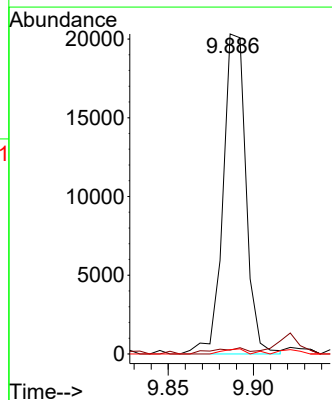
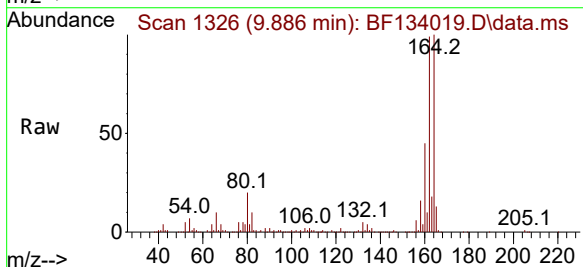
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SB-03-COMP

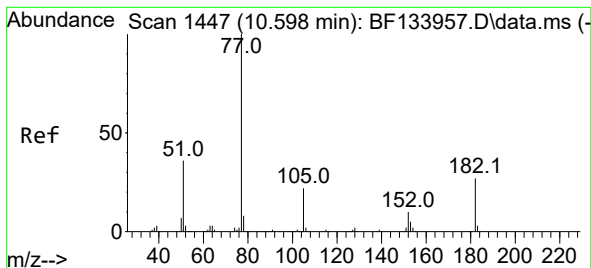
Tgt Ion:152 Resp: 31874
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.2
153 13.2 10.8 16.2



#51
2,6-Dinitrotoluene
Concen: 8.132 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.206 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59

Tgt Ion:165 Resp: 18990
Ion Ratio Lower Upper
165 100
63 1.2 48.5 72.7#
89 1.4 45.5 68.3#





#63

Azobenzene

Concen: 2.234 ng

RT: 10.604 min Scan# 1448

Delta R.T. 0.006 min

Lab File: BF134019.D

Acq: 28 Jun 2023 07:59

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

Tgt Ion: 77 Resp: 23875

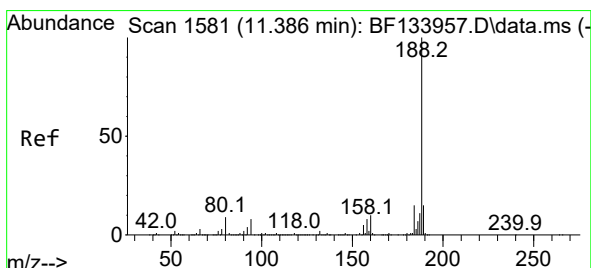
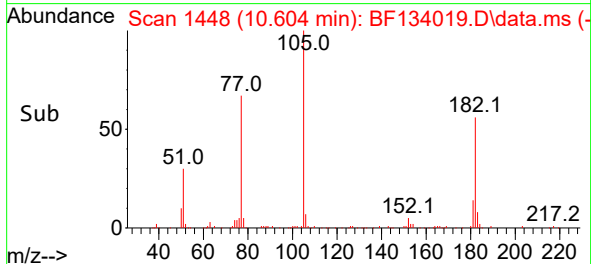
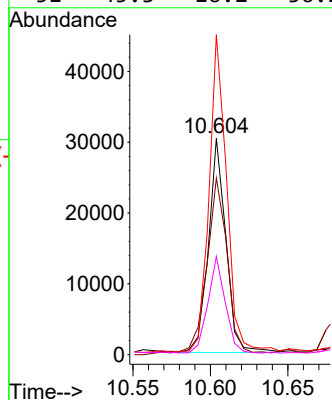
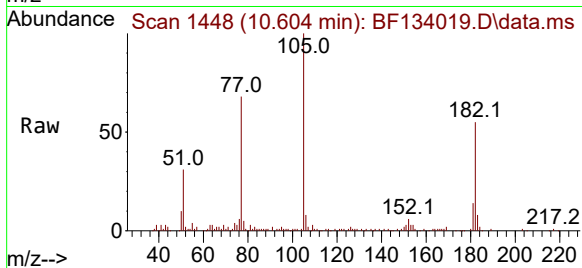
Ion Ratio Lower Upper

77 100

182 81.6 6.8 46.8#

105 147.8 2.3 42.3#

51 45.3 16.2 56.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1581

Delta R.T. 0.000 min

Lab File: BF134019.D

Acq: 28 Jun 2023 07:59

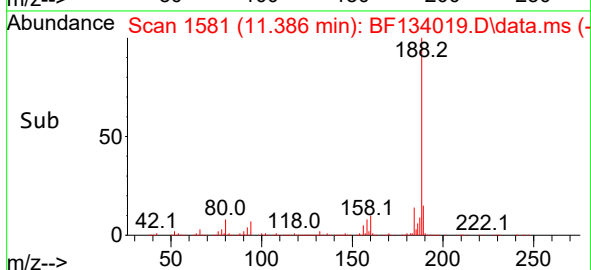
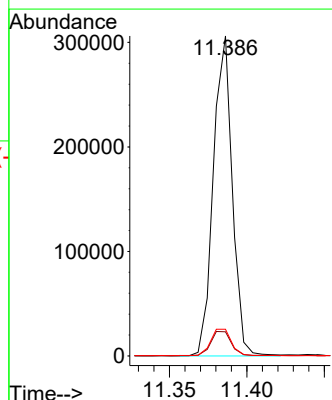
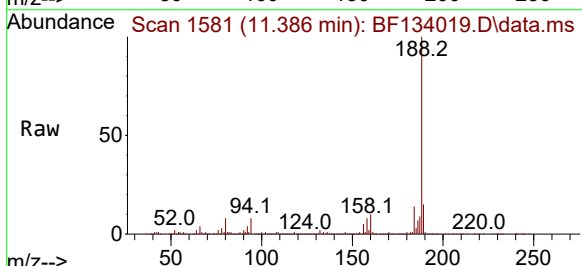
Tgt Ion:188 Resp: 260518

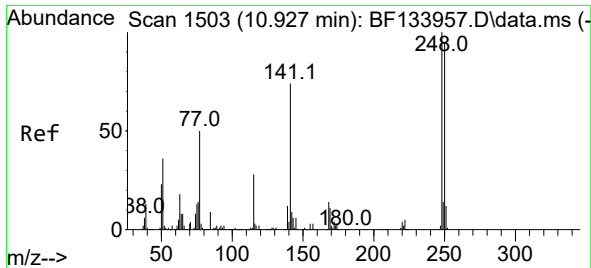
Ion Ratio Lower Upper

188 100

94 7.6 6.4 9.6

80 8.4 7.3 10.9

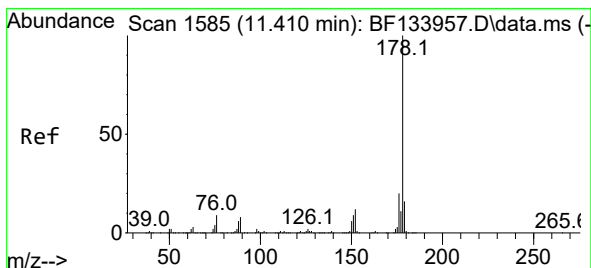
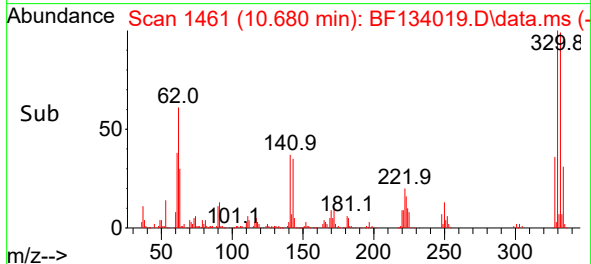
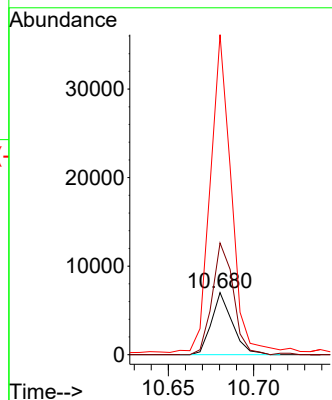
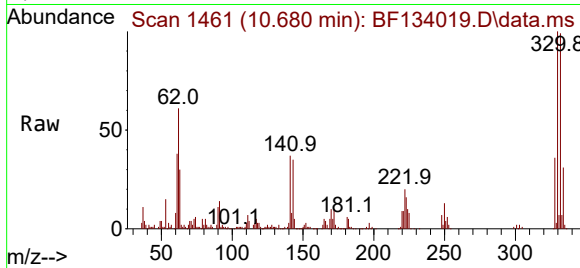




#67
4-Bromophenyl-phenylether
Concen: 2.160 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.247 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59

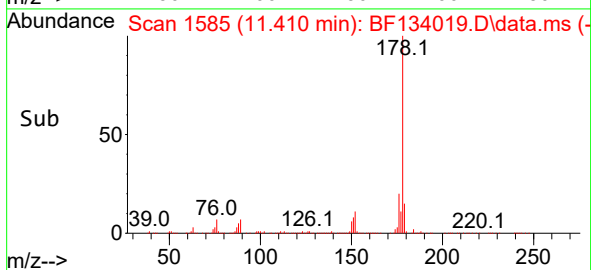
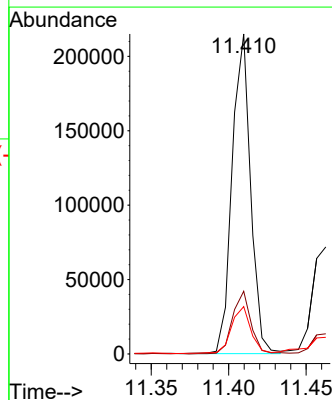
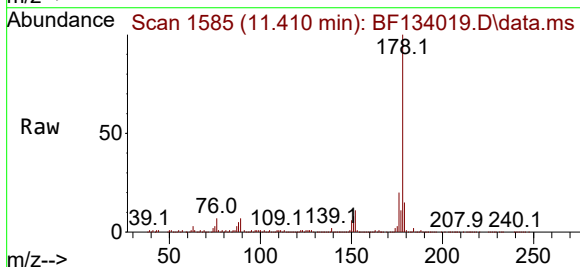
Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

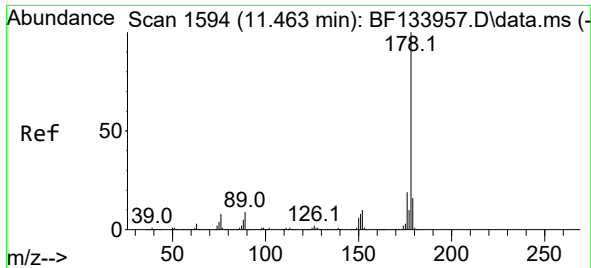
Tgt Ion:248 Resp: 5981
Ion Ratio Lower Upper
248 100
250 179.8 76.2 114.4#
141 514.9 59.0 88.4#



#71
Phenanthrene
Concen: 13.579 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF134019.D
Acq: 28 Jun 2023 07:59

Tgt Ion:178 Resp: 178083
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 14.8 12.4 18.6

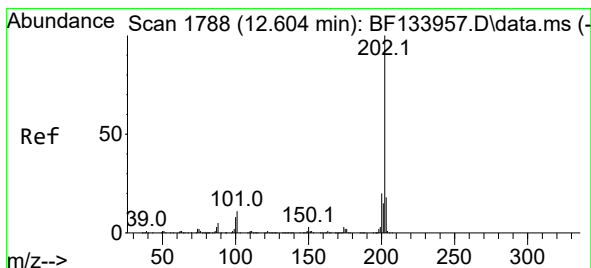
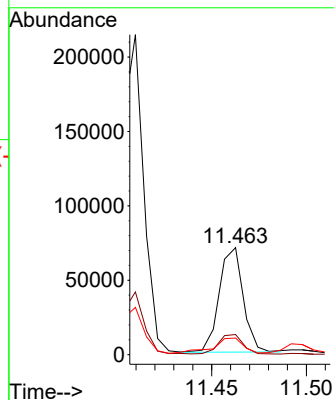
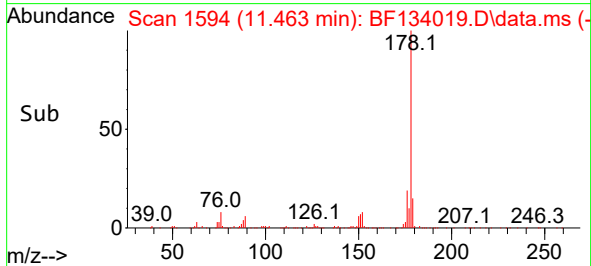
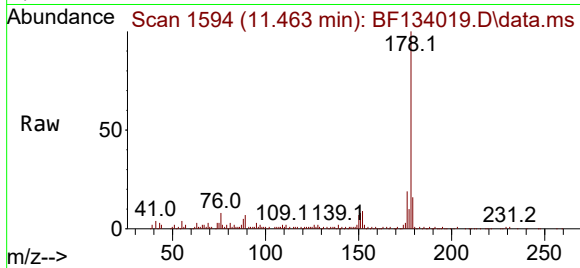




#72
 Anthracene
 Concen: 4.566 ng
 RT: 11.463 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF134019.D
 Acq: 28 Jun 2023 07:59

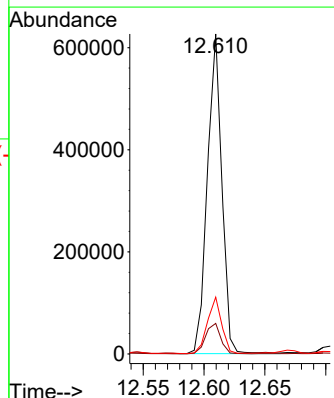
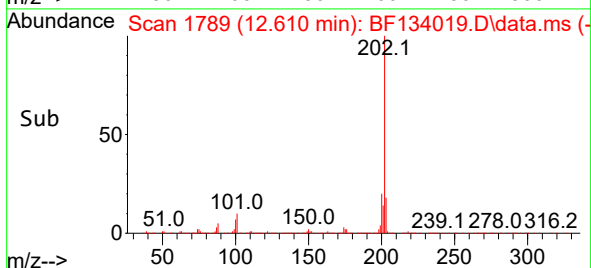
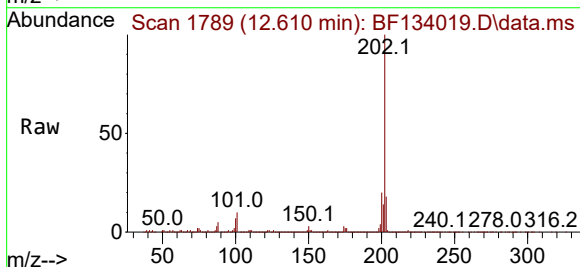
Instrument :
 BNA_F
 ClientSampleId :
 SB-03-COMP

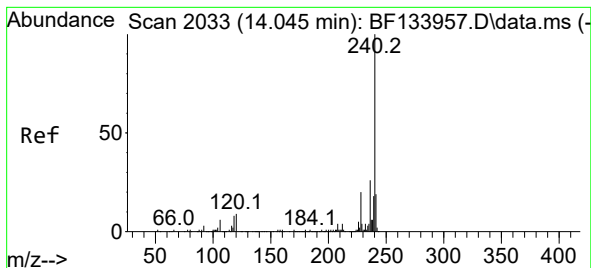
Tgt Ion:178 Resp: 62288
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.3 22.9
 179 15.5 12.4 18.6



#75
 Fluoranthene
 Concen: 36.447 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. 0.006 min
 Lab File: BF134019.D
 Acq: 28 Jun 2023 07:59

Tgt Ion:202 Resp: 516762
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 31.0
 203 17.7 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF134019.D

Acq: 28 Jun 2023 07:59

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

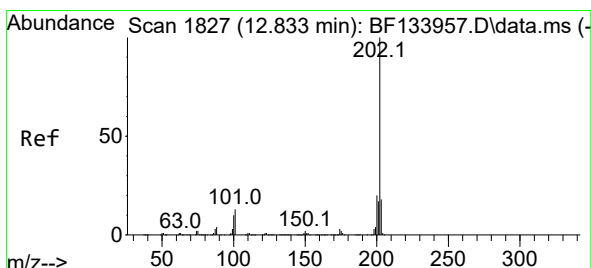
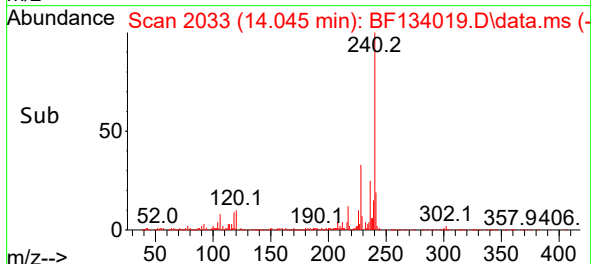
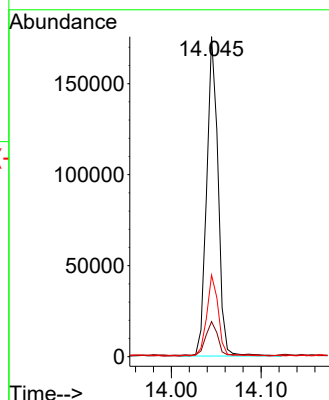
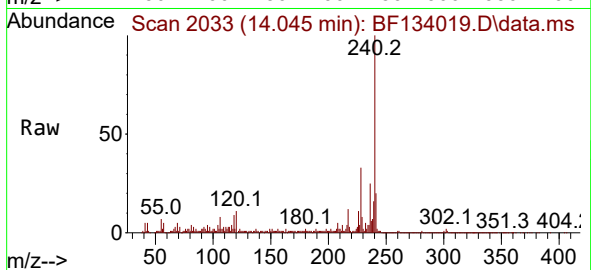
Tgt Ion:240 Resp: 154259

Ion Ratio Lower Upper

240 100

120 11.0 7.4 11.0

236 25.5 21.0 31.6



#78

Pyrene

Concen: 31.995 ng

RT: 12.839 min Scan# 1828

Delta R.T. 0.006 min

Lab File: BF134019.D

Acq: 28 Jun 2023 07:59

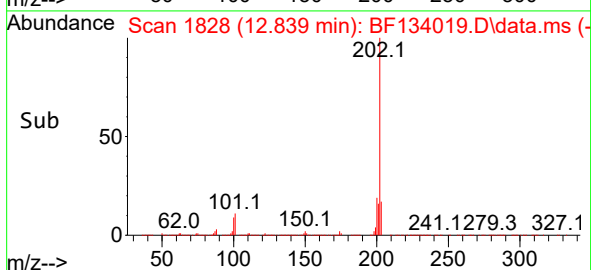
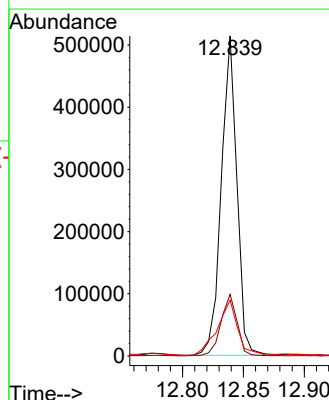
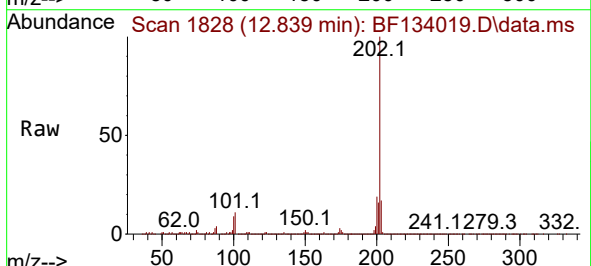
Tgt Ion:202 Resp: 459313

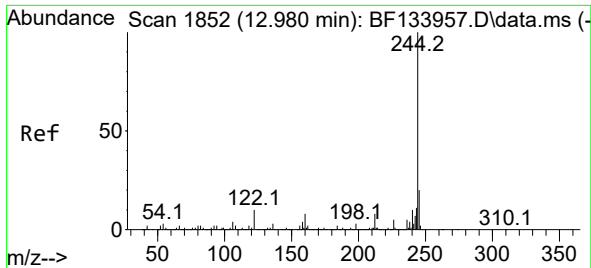
Ion Ratio Lower Upper

202 100

200 19.3 16.1 24.1

203 17.5 14.3 21.5

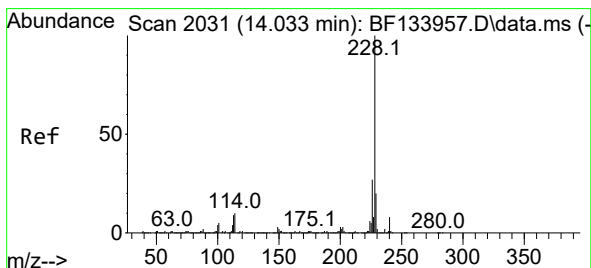
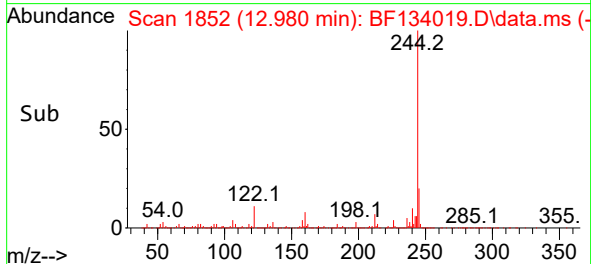
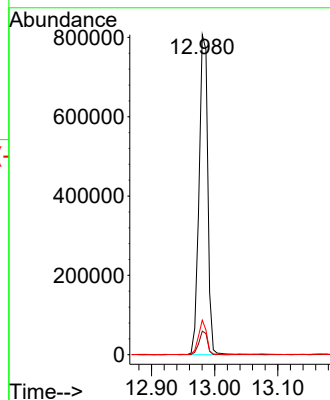
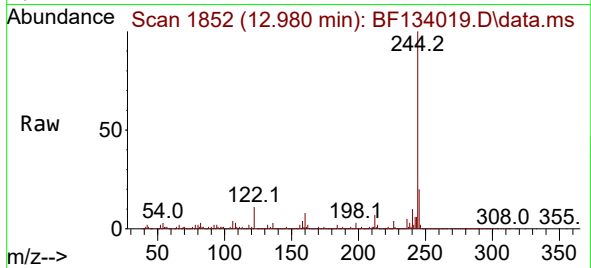




#79
 Terphenyl-d14
 Concen: 80.378 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: BF134019.D
 Acq: 28 Jun 2023 07:59

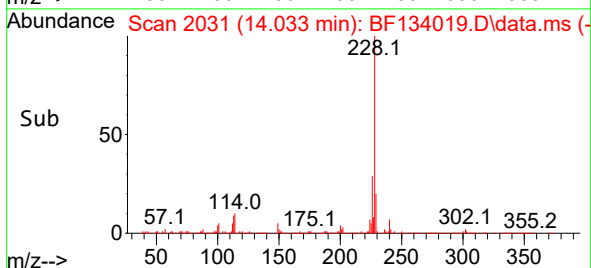
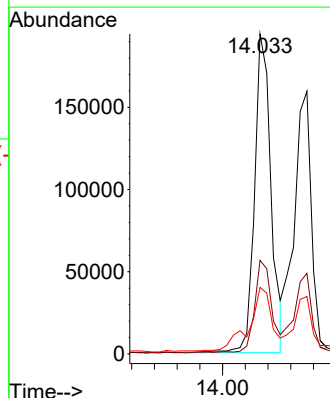
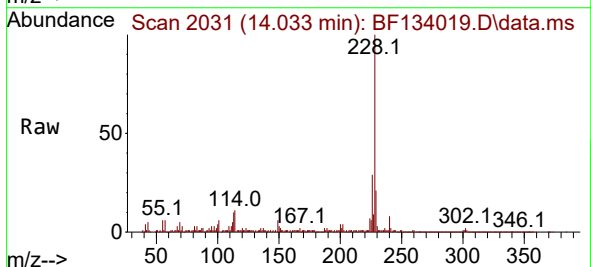
Instrument :
 BNA_F
 ClientSampleId :
 SB-03-COMP

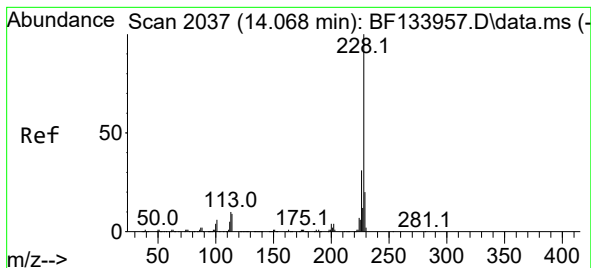
Tgt Ion:244 Resp: 770402
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 10.8 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 18.206 ng
 RT: 14.033 min Scan# 2031
 Delta R.T. 0.000 min
 Lab File: BF134019.D
 Acq: 28 Jun 2023 07:59

Tgt Ion:228 Resp: 194767
 Ion Ratio Lower Upper
 228 100
 226 29.2 22.0 33.0
 229 20.8 16.3 24.5





#83

Chrysene

Concen: 16.288 ng

RT: 14.074 min Scan# 2037

Delta R.T. 0.006 min

Lab File: BF134019.D

Acq: 28 Jun 2023 07:59

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

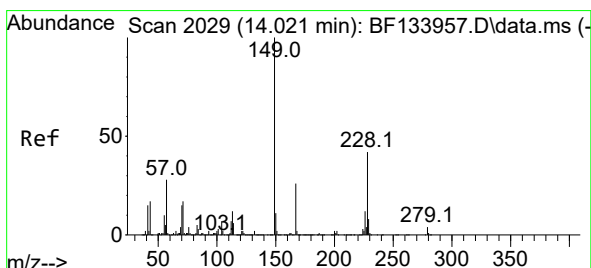
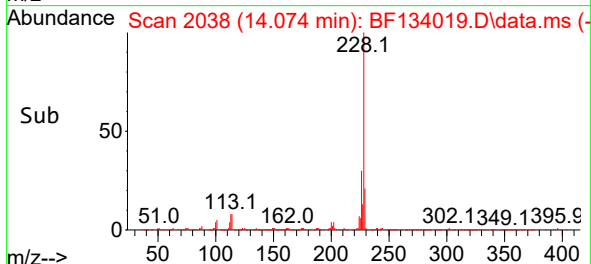
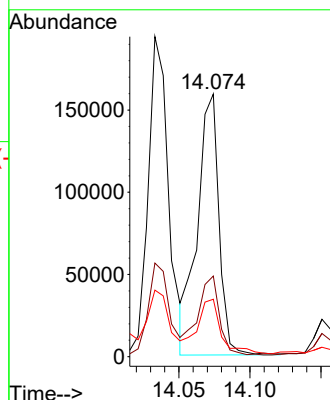
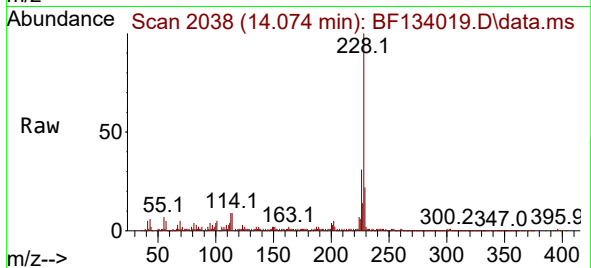
Tgt Ion:228 Resp: 168771

Ion Ratio Lower Upper

228 100

226 30.7 24.4 36.6

229 21.9 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.888 ng

RT: 14.021 min Scan# 2029

Delta R.T. 0.000 min

Lab File: BF134019.D

Acq: 28 Jun 2023 07:59

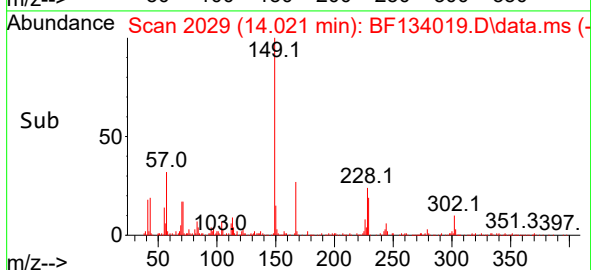
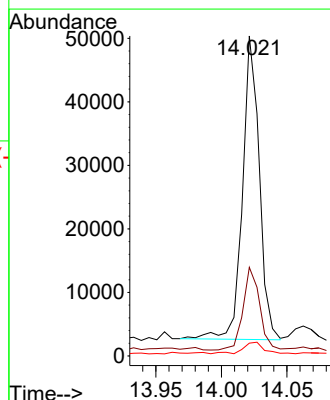
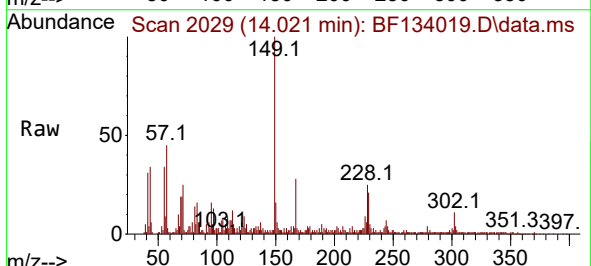
Tgt Ion:149 Resp: 42615

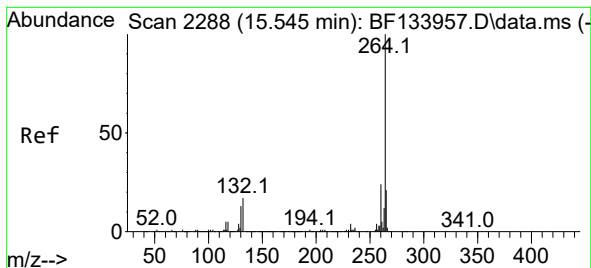
Ion Ratio Lower Upper

149 100

167 27.7 21.0 31.4

279 4.0 3.3 4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.556 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF134019.D

Acq: 28 Jun 2023 07:59

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

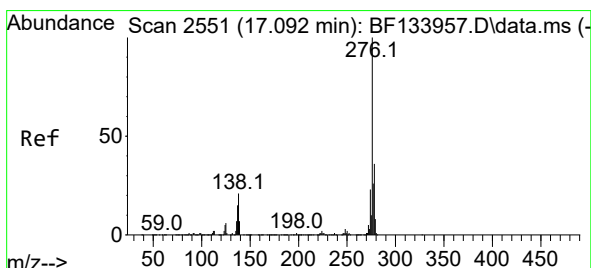
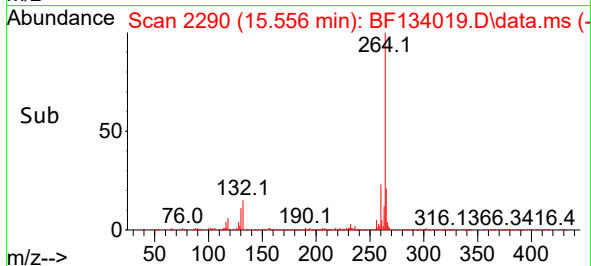
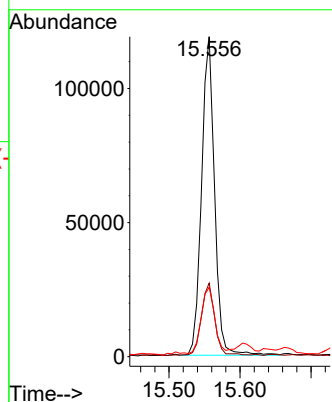
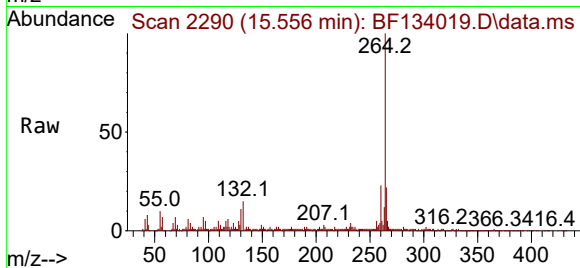
Tgt Ion:264 Resp: 151767

Ion Ratio Lower Upper

264 100

260 23.0 19.5 29.3

265 21.7 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.850 ng

RT: 17.103 min Scan# 2553

Delta R.T. 0.012 min

Lab File: BF134019.D

Acq: 28 Jun 2023 07:59

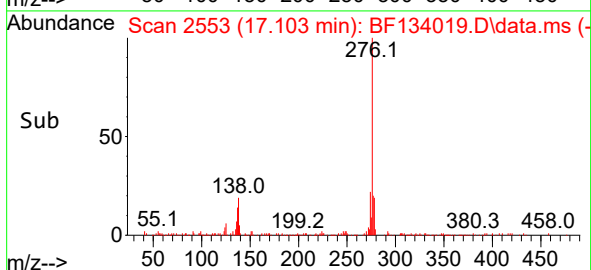
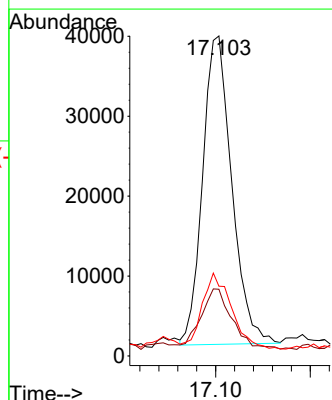
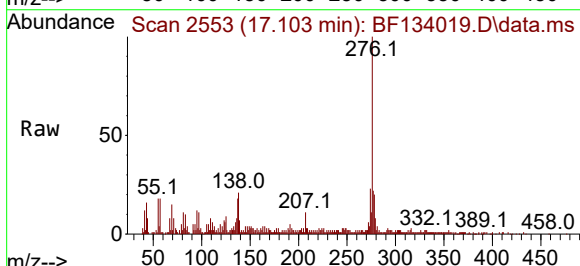
Tgt Ion:276 Resp: 82667

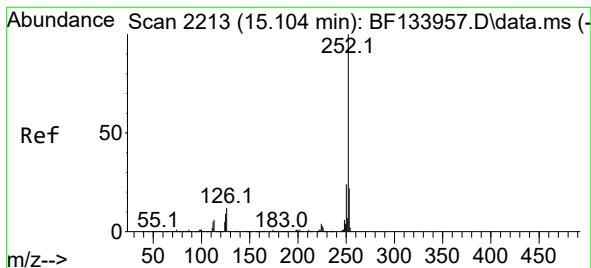
Ion Ratio Lower Upper

276 100

138 20.2 18.7 28.1

277 24.9 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 28.077 ng

RT: 15.109 min Scan# 2214

Delta R.T. 0.006 min

Lab File: BF134019.D

Acq: 28 Jun 2023 07:59

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

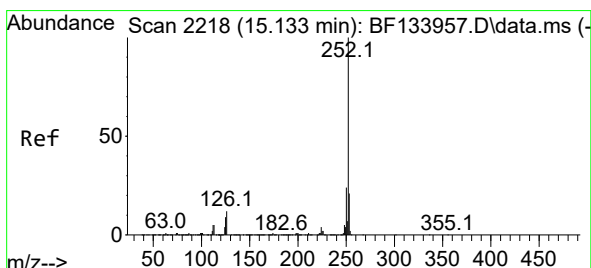
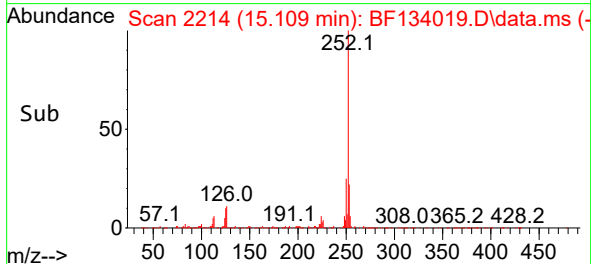
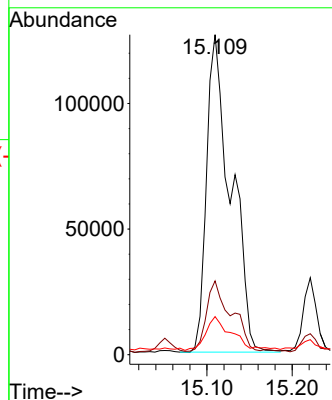
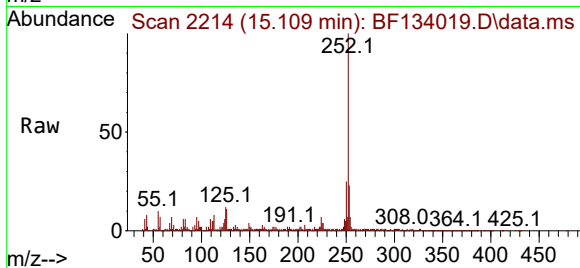
Tgt Ion:252 Resp: 250561

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

125 11.9 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 27.577 ng

RT: 15.109 min Scan# 2214

Delta R.T. -0.024 min

Lab File: BF134019.D

Acq: 28 Jun 2023 07:59

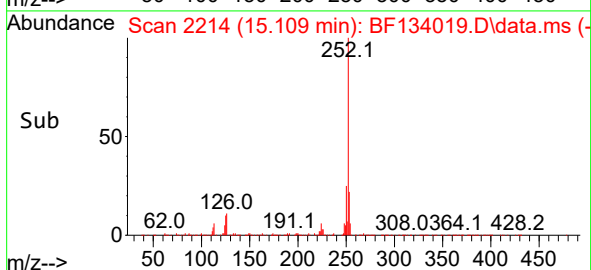
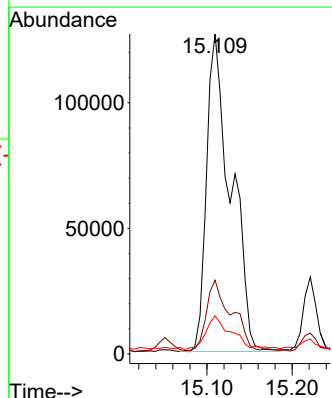
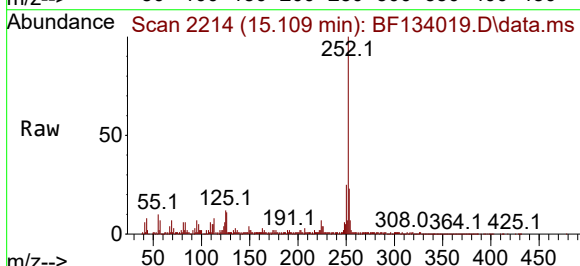
Tgt Ion:252 Resp: 250561

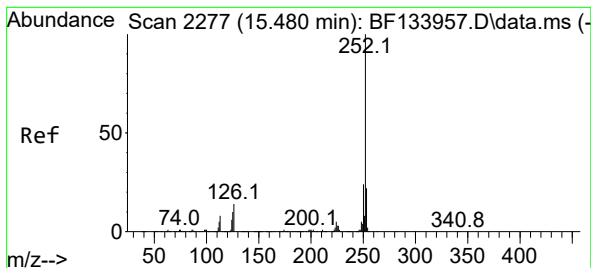
Ion Ratio Lower Upper

252 100

253 23.0 16.9 25.3

125 11.9 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 17.113 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF134019.D

Acq: 28 Jun 2023 07:59

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

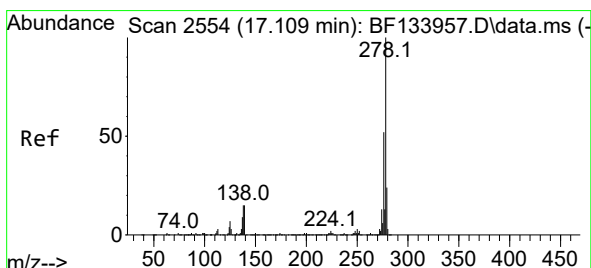
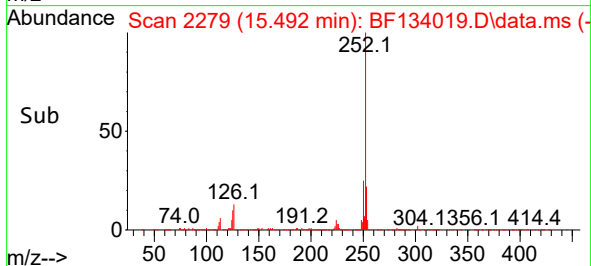
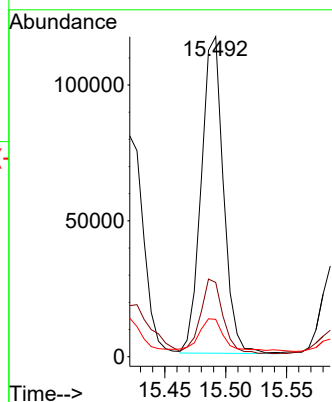
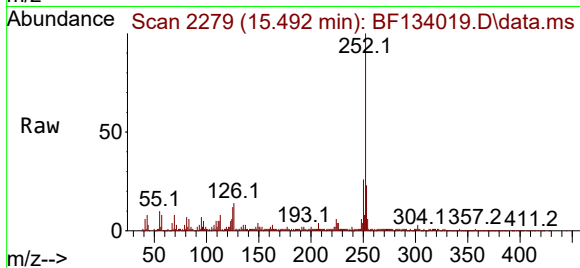
Tgt Ion:252 Resp: 147675

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

125 11.6 8.4 12.6



#91

Dibenzo(a,h)anthracene

Concen: 2.376 ng

RT: 17.115 min Scan# 2555

Delta R.T. 0.006 min

Lab File: BF134019.D

Acq: 28 Jun 2023 07:59

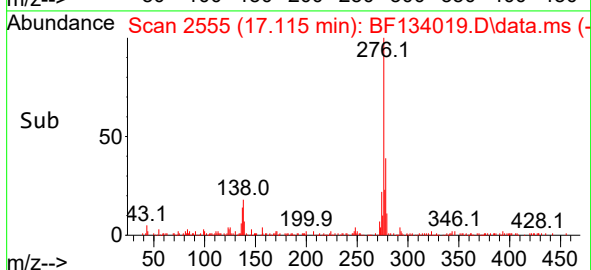
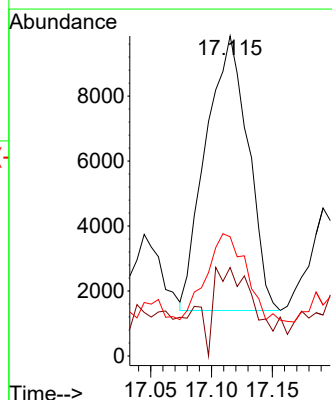
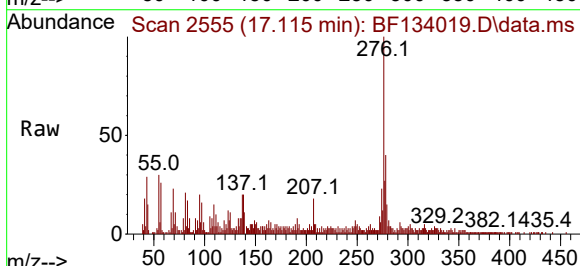
Tgt Ion:278 Resp: 20438

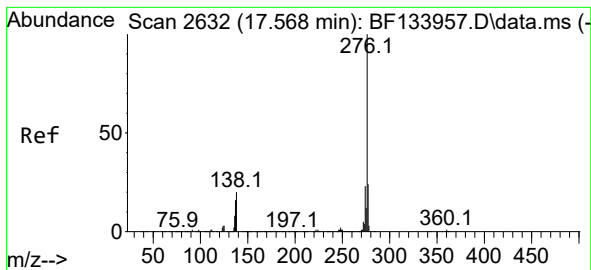
Ion Ratio Lower Upper

278 100

139 27.7 12.2 18.4#

279 37.2 19.4 29.2#





#92

Benzo(g,h,i)perylene

Concen: 8.873 ng

RT: 17.568 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF134019.D

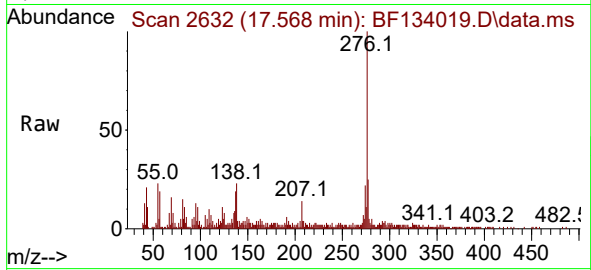
Acq: 28 Jun 2023 07:59

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP



Tgt Ion:276 Resp: 78710

Ion Ratio Lower Upper

276 100

277 25.1 19.0 28.6

138 23.0 16.2 24.2

