

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062923\
 Data File : BF134039.D
 Acq On : 29 Jun 2023 16:22
 Operator : CG\JU
 Sample : 03361-13 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-21-23RE

Quant Time: Jun 30 05:59:37 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)

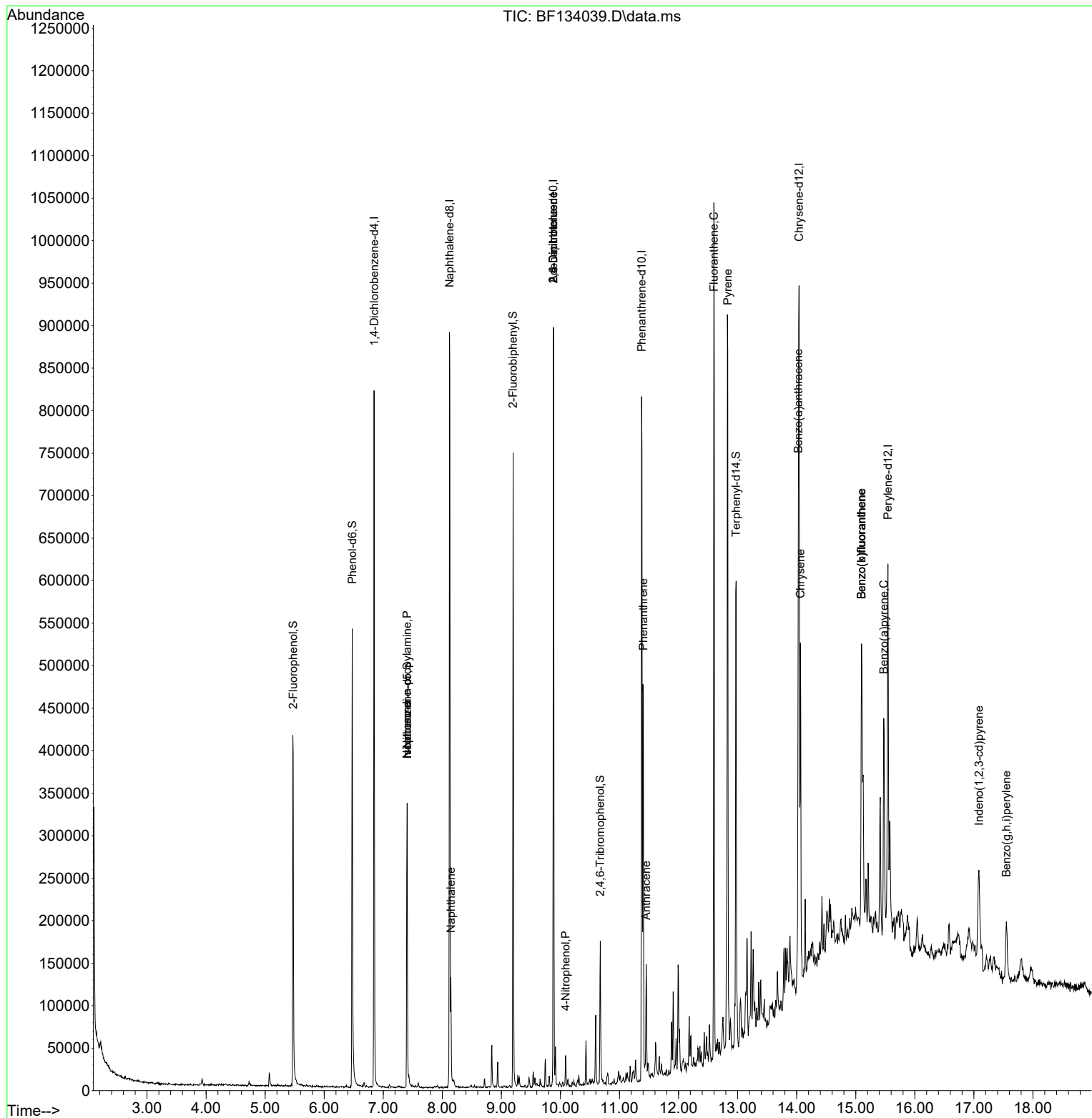
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	110367	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	402939	20.000	ng	-0.01
39) Acenaphthene-d10	9.881	164	179583	20.000	ng	-0.01
64) Phenanthrene-d10	11.375	188	321168	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	223917	20.000	ng	0.00
86) Perylene-d12	15.545	264	208543	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	124555	18.878	ng	0.00
7) Phenol-d6	6.475	99	157663	19.431	ng	-0.02
23) Nitrobenzene-d5	7.404	82	99758	13.346	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	18922	8.404	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	209960	16.998	ng	-0.01
79) Terphenyl-d14	12.974	244	200900	14.440	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.393	77	73	Below Cal	#	39
19) n-Nitroso-di-n-propyla...	7.404	70	14404	2.799	ng	# 78
25) Isophorone	7.404	82	99757	7.343	ng	# 64
31) Naphthalene	8.145	128	42790	2.199	ng	97
51) 2,6-Dinitrotoluene	9.881	165	22652	8.068	ng	# 23
56) 4-Nitrophenol	10.086	139	4925	2.090	ng	# 5
57) 2,4-Dinitrotoluene	9.881	165	22652	6.109	ng	# 22
71) Phenanthrene	11.404	178	177693	10.990	ng	98
72) Anthracene	11.451	178	56195	3.342	ng	98
75) Fluoranthene	12.598	202	410566	23.489	ng	99
78) Pyrene	12.833	202	394032	18.909	ng	98
81) Benzo(a)anthracene	14.027	228	190114	12.242	ng	99
83) Chrysene	14.063	228	161027	10.706	ng	98
87) Indeno(1,2,3-cd)pyrene	17.086	276	75656	5.228	ng	98
88) Benzo(b)fluoranthene	15.098	252	264884	21.601	ng	# 98
89) Benzo(k)fluoranthene	15.098	252	264884	21.216	ng	98
90) Benzo(a)pyrene	15.474	252	135992	11.469	ng	97
92) Benzo(g,h,i)perylene	17.551	276	60068	4.928	ng	96

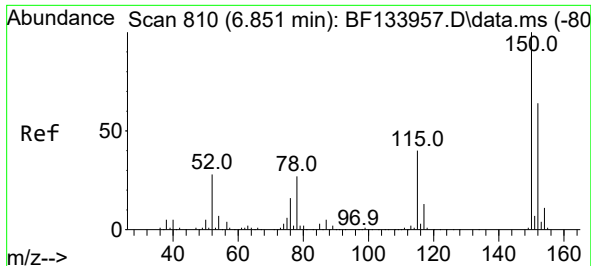
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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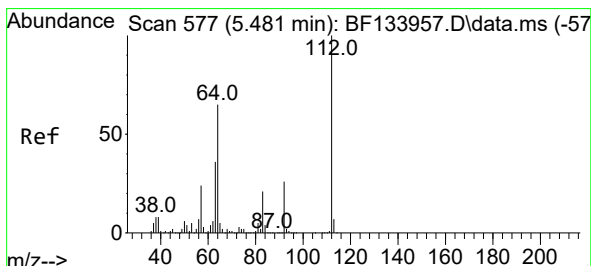
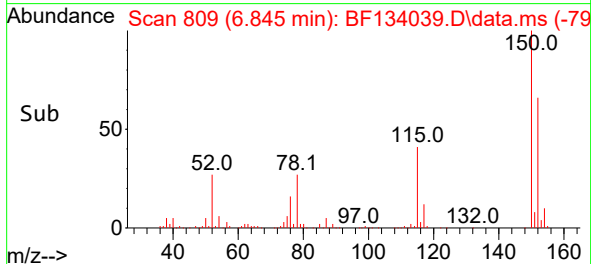
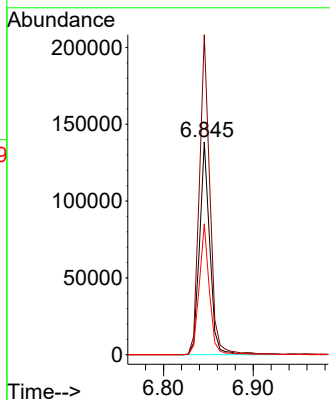
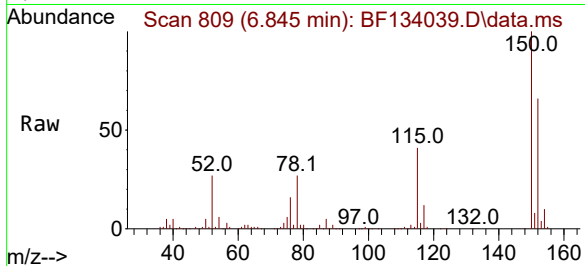




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF134039.D
Acq: 29 Jun 2023 16:22

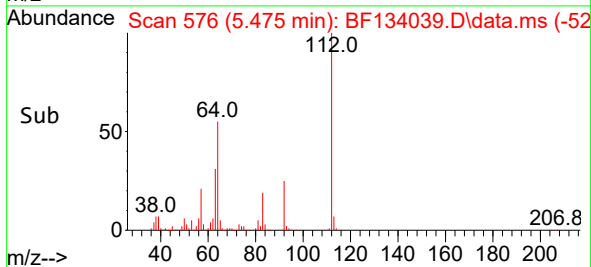
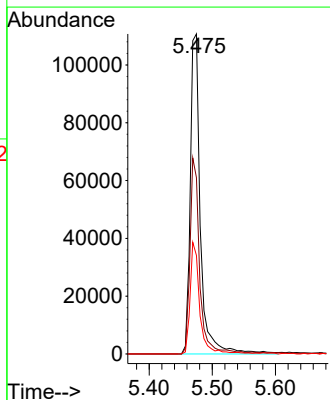
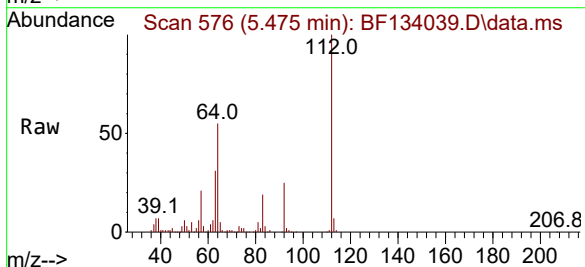
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-21-23RE

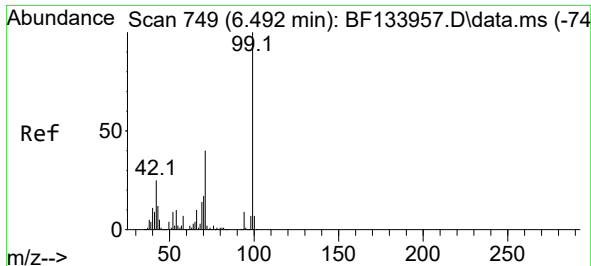
Tgt Ion:152 Resp: 110367
Ion Ratio Lower Upper
152 100
150 150.5 124.5 186.7
115 61.6 50.2 75.2



#5
2-Fluorophenol
Concen: 18.878 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF134039.D
Acq: 29 Jun 2023 16:22

Tgt Ion:112 Resp: 124555
Ion Ratio Lower Upper
112 100
64 55.1 52.1 78.1
63 30.8 28.6 42.8

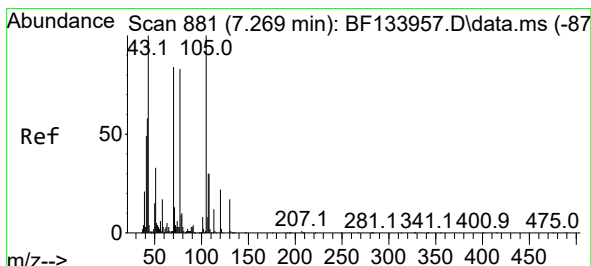
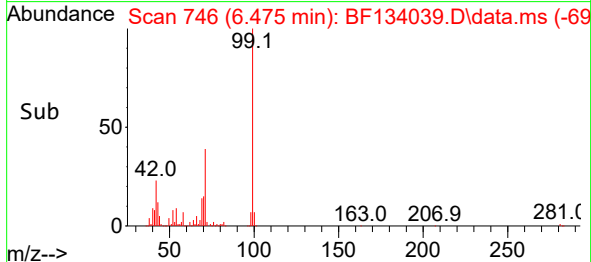
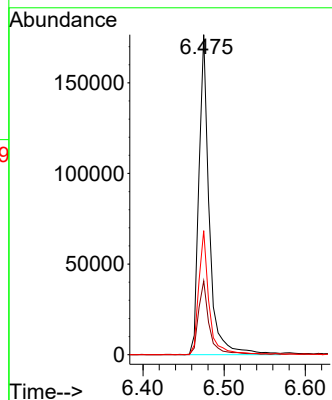
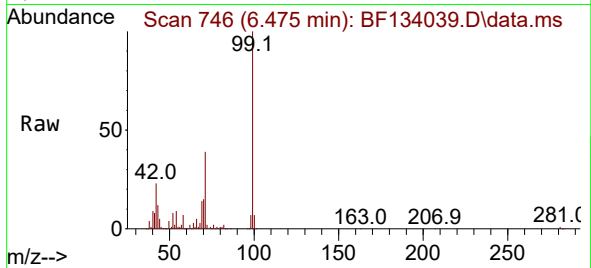




#7
Phenol-d6
Concen: 19.431 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.017 min
Lab File: BF134039.D
Acq: 29 Jun 2023 16:22

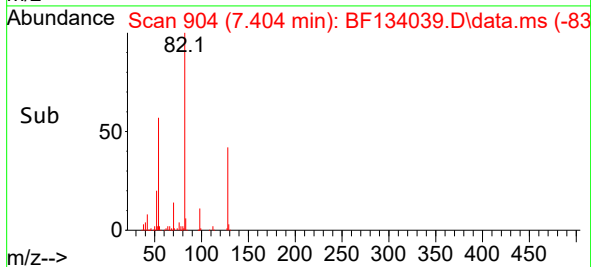
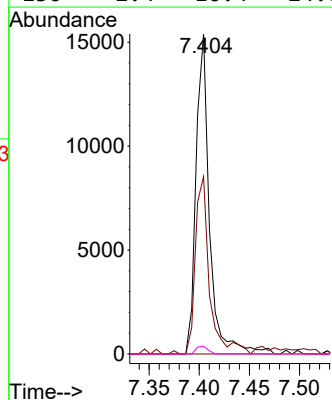
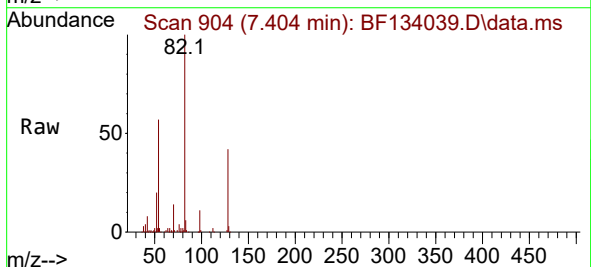
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-21-23RE

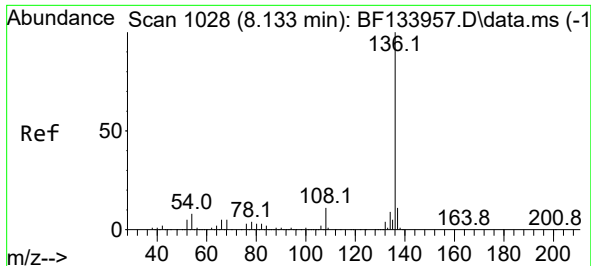
Tgt Ion: 99 Resp: 157663
Ion Ratio Lower Upper
99 100
42 23.0 19.8 29.6
71 38.8 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 2.799 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.135 min
Lab File: BF134039.D
Acq: 29 Jun 2023 16:22

Tgt Ion: 70 Resp: 14404
Ion Ratio Lower Upper
70 100
42 55.5 54.7 82.1
101 0.0 7.7 11.5#
130 2.4 16.4 24.6#



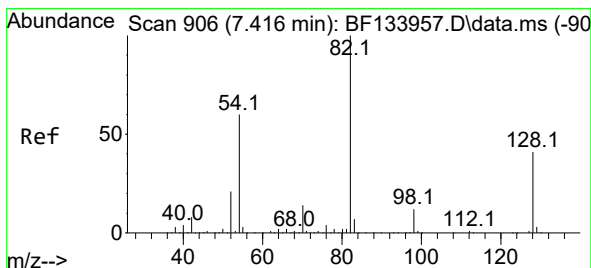
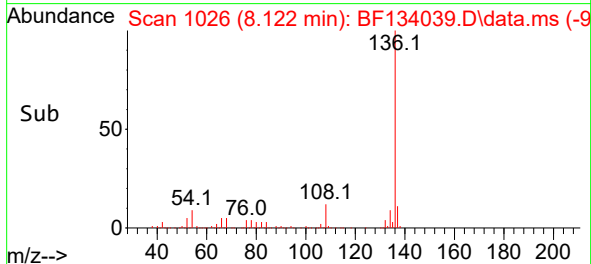
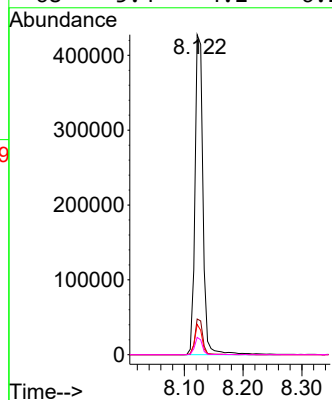
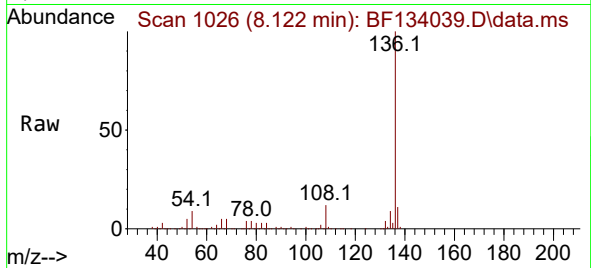


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134039.D
Acq: 29 Jun 2023 16:22

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-21-23RE

Tgt Ion:136 Resp: 402939

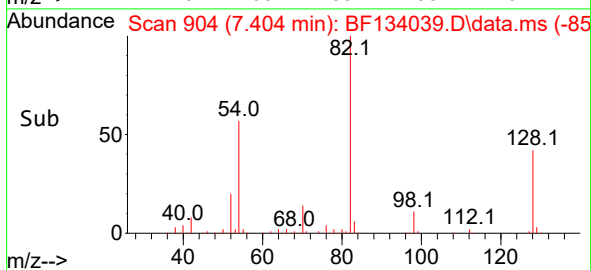
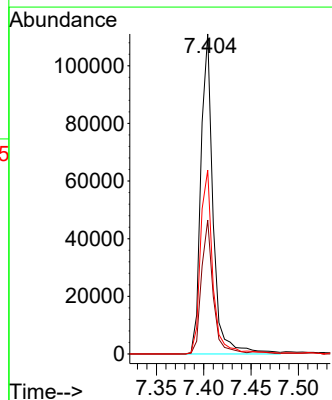
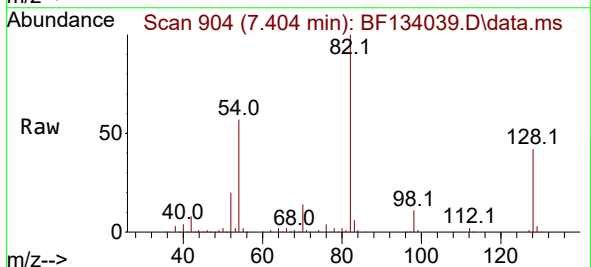
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	9.5	6.5	9.7
68	5.4	4.2	6.2

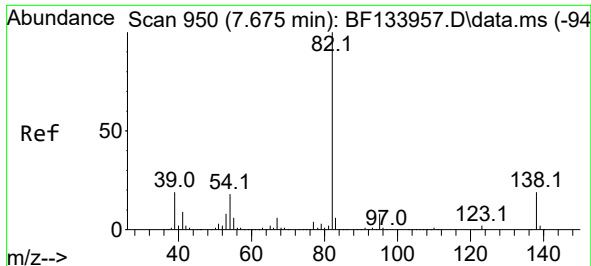


#23
Nitrobenzene-d5
Concen: 13.346 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.012 min
Lab File: BF134039.D
Acq: 29 Jun 2023 16:22

Tgt Ion: 82 Resp: 99758

Ion	Ratio	Lower	Upper
82	100		
128	41.8	32.5	48.7
54	57.4	48.2	72.2

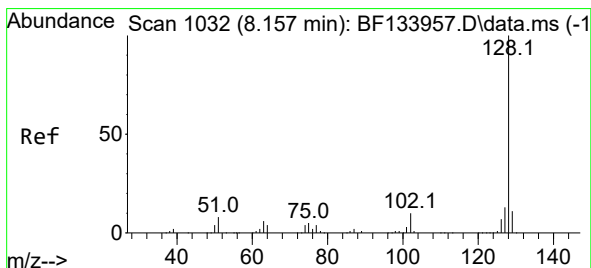
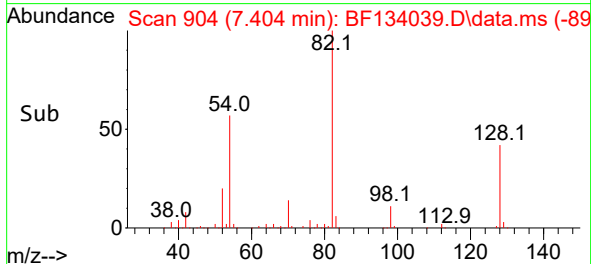
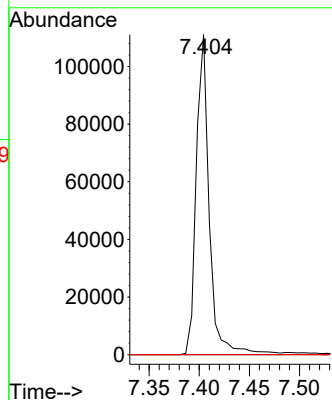
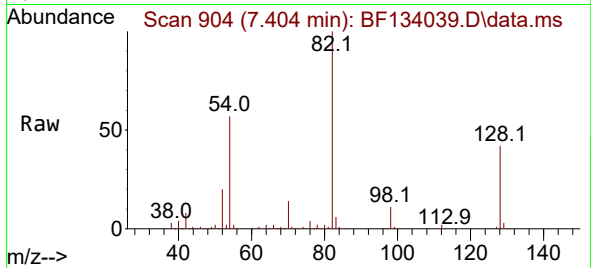




#25
Isophorone
Concen: 7.343 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF134039.D
Acq: 29 Jun 2023 16:22

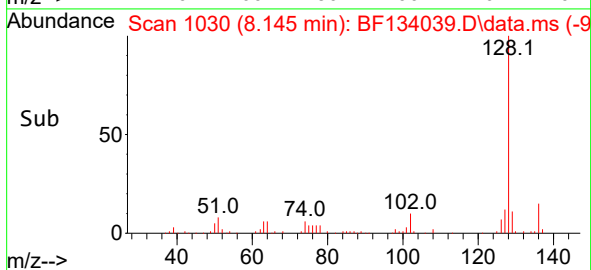
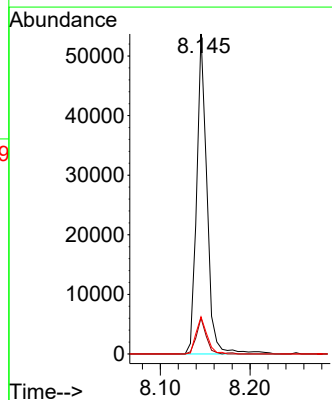
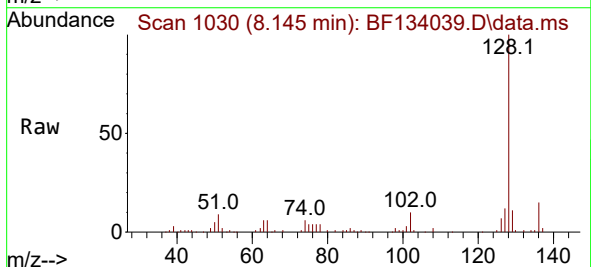
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-21-23RE

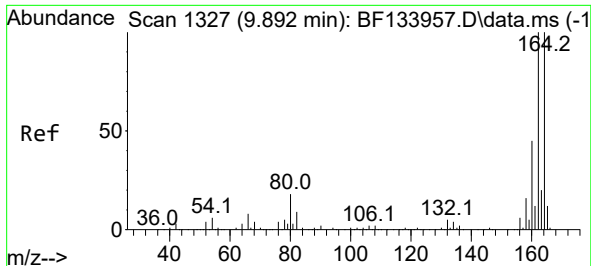
Tgt Ion: 82 Resp: 99757
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#31
Naphthalene
Concen: 2.199 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF134039.D
Acq: 29 Jun 2023 16:22

Tgt Ion: 128 Resp: 42790
Ion Ratio Lower Upper
128 100
129 11.3 8.7 13.1
127 11.6 10.6 15.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.881 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134039.D

Acq: 29 Jun 2023 16:22

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-21-23RE

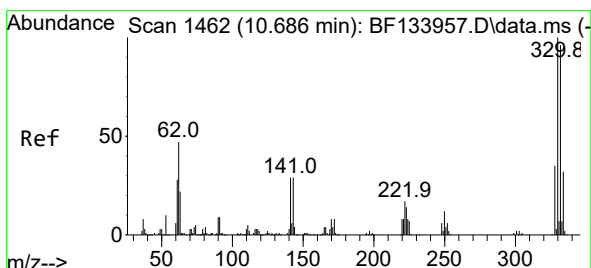
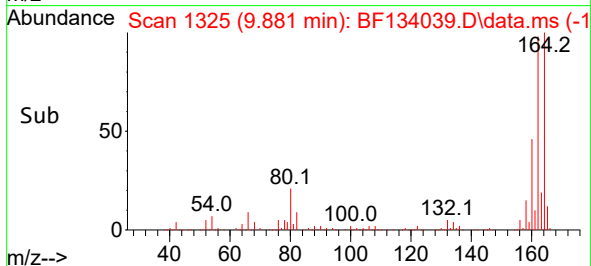
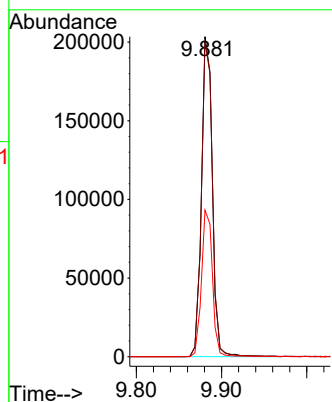
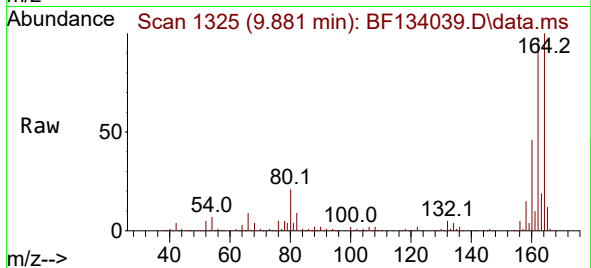
Tgt Ion:164 Resp: 179583

Ion Ratio Lower Upper

164 100

162 98.4 80.0 120.0

160 45.7 35.9 53.9



#42

2,4,6-Tribromophenol

Concen: 8.404 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.012 min

Lab File: BF134039.D

Acq: 29 Jun 2023 16:22

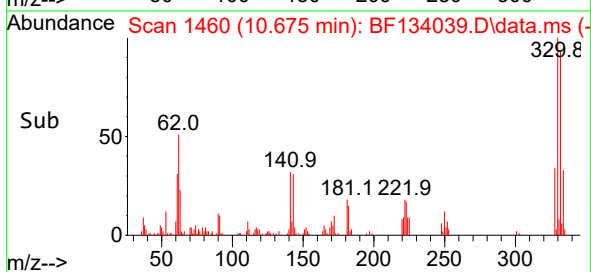
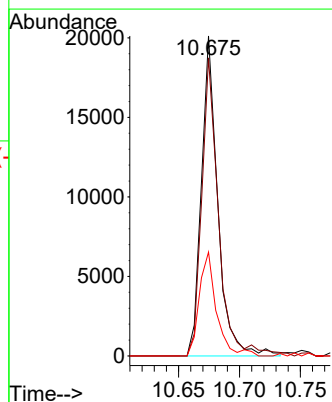
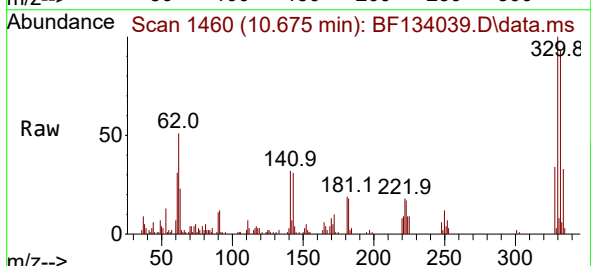
Tgt Ion:330 Resp: 18922

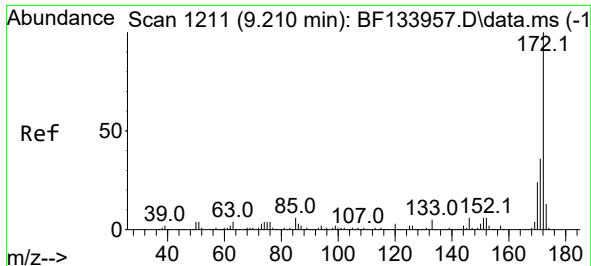
Ion Ratio Lower Upper

330 100

332 95.1 77.0 115.6

141 34.0 26.3 39.5





#45

2-Fluorobiphenyl

Concen: 16.998 ng

RT: 9.198 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF134039.D

Acq: 29 Jun 2023 16:22

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-21-23RE

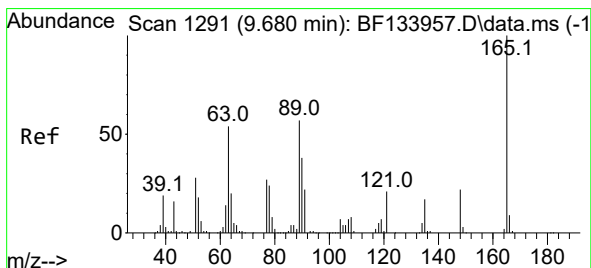
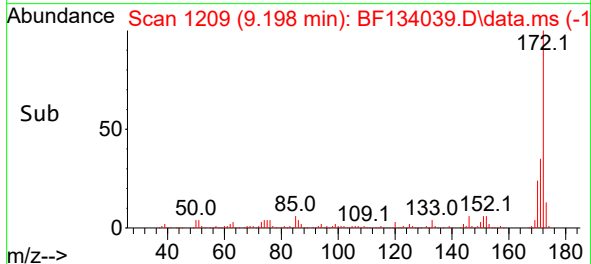
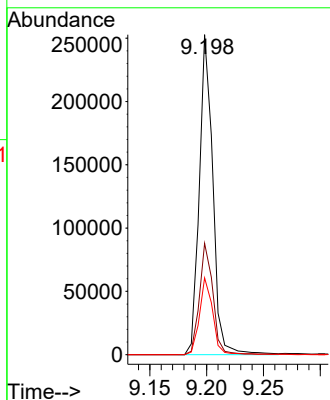
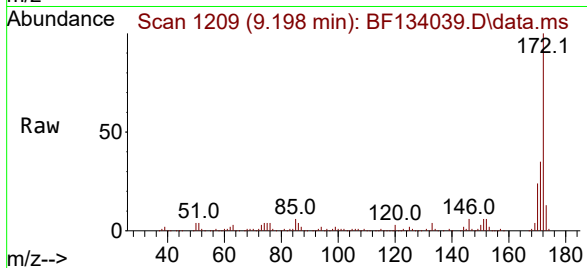
Tgt Ion:172 Resp: 209960

Ion Ratio Lower Upper

172 100

171 34.8 28.6 43.0

170 24.0 19.4 29.0



#51

2,6-Dinitrotoluene

Concen: 8.068 ng

RT: 9.881 min Scan# 1325

Delta R.T. 0.201 min

Lab File: BF134039.D

Acq: 29 Jun 2023 16:22

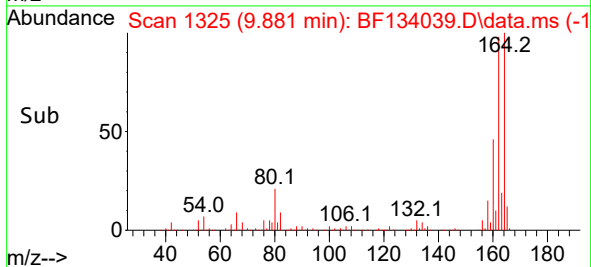
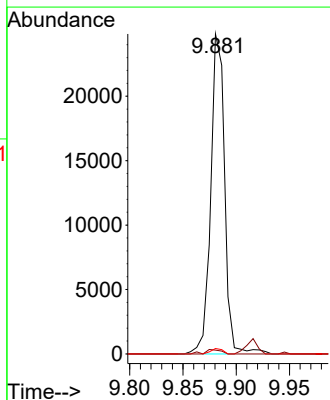
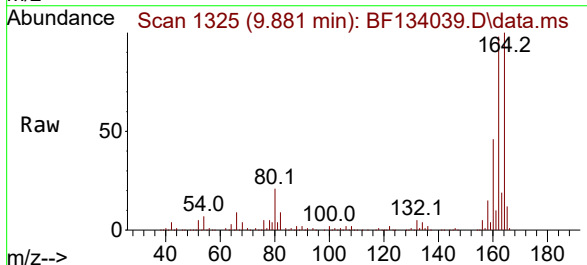
Tgt Ion:165 Resp: 22652

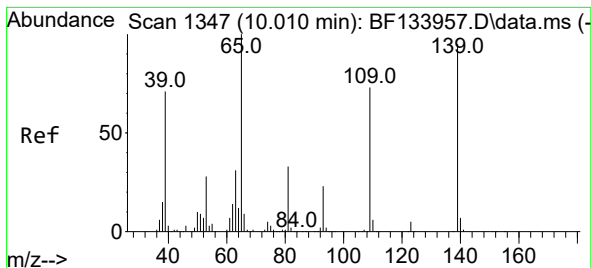
Ion Ratio Lower Upper

165 100

63 1.2 48.5 72.7#

89 1.7 45.5 68.3#





#56

4-Nitrophenol

Concen: 2.090 ng

RT: 10.086 min Scan# 1

Delta R.T. 0.077 min

Lab File: BF134039.D

Acq: 29 Jun 2023 16:22

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-21-23RE

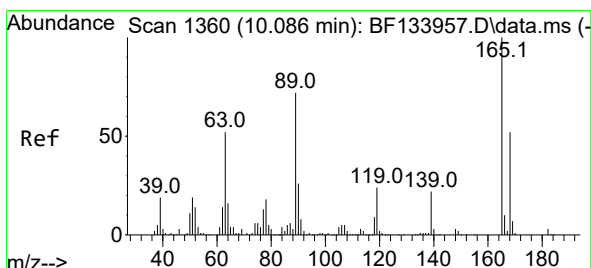
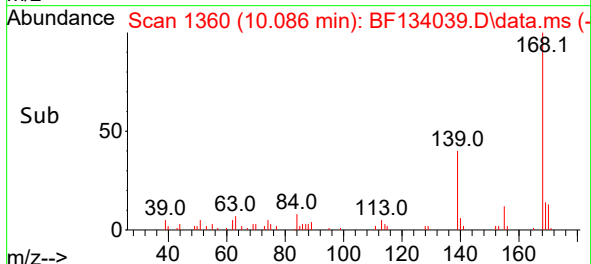
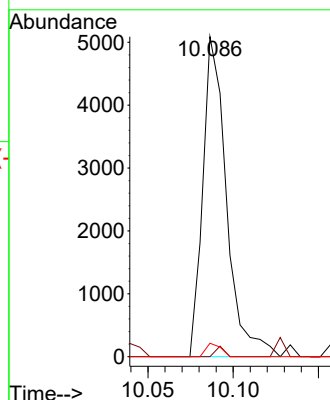
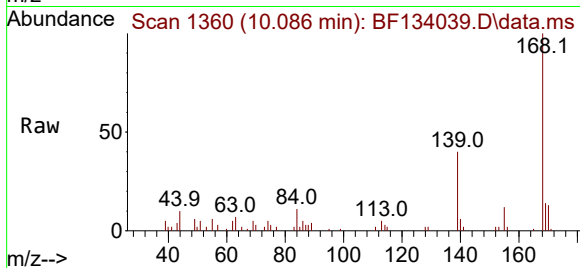
Tgt Ion:139 Resp: 4925

Ion Ratio Lower Upper

139 100

109 0.0 56.8 96.8#

65 4.2 86.1 126.1#



#57

2,4-Dinitrotoluene

Concen: 6.109 ng

RT: 9.881 min Scan# 1325

Delta R.T. -0.206 min

Lab File: BF134039.D

Acq: 29 Jun 2023 16:22

Tgt Ion:165 Resp: 22652

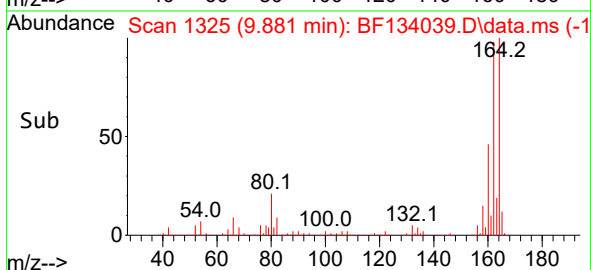
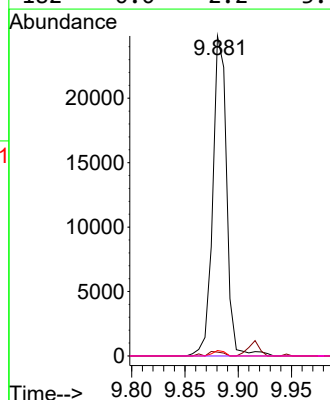
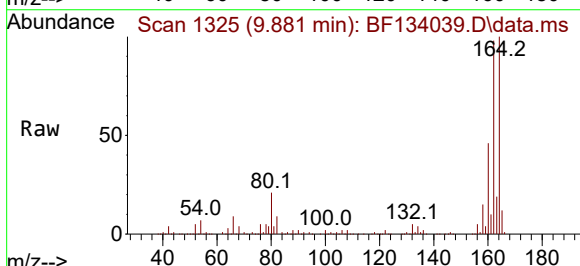
Ion Ratio Lower Upper

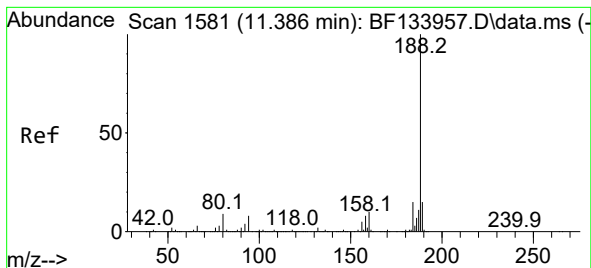
165 100

63 1.2 42.2 63.2#

89 1.7 57.4 86.2#

182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.375 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF134039.D

Acq: 29 Jun 2023 16:22

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-21-23RE

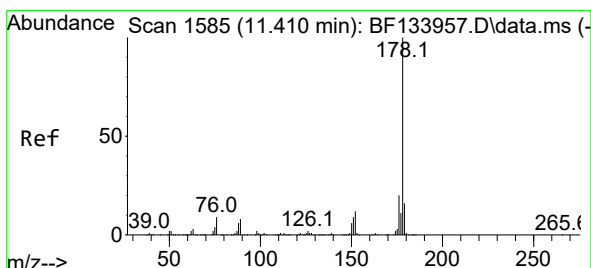
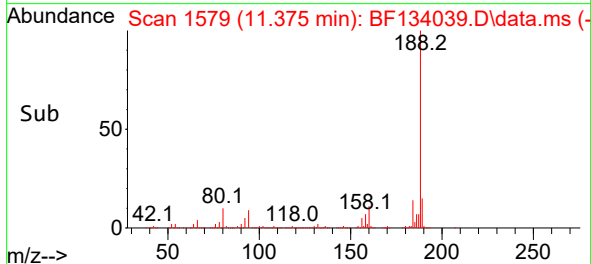
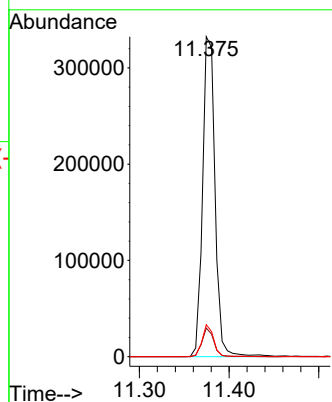
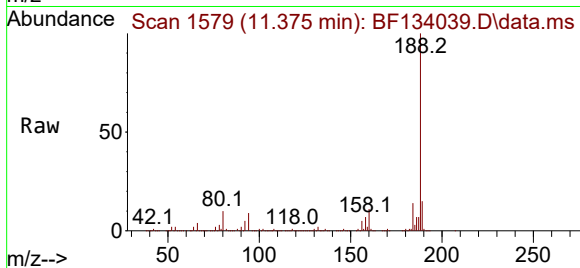
Tgt Ion:188 Resp: 321168

Ion Ratio Lower Upper

188 100

94 8.9 6.4 9.6

80 10.0 7.3 10.9



#71

Phenanthrene

Concen: 10.990 ng

RT: 11.404 min Scan# 1584

Delta R.T. -0.006 min

Lab File: BF134039.D

Acq: 29 Jun 2023 16:22

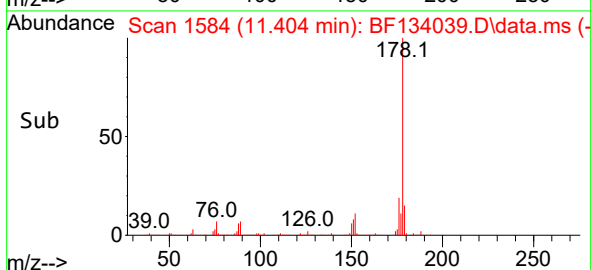
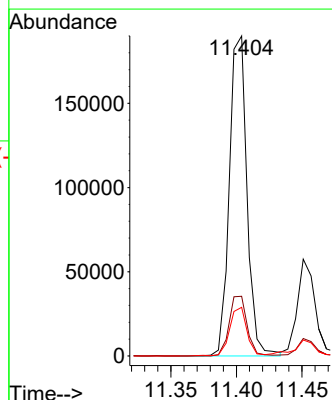
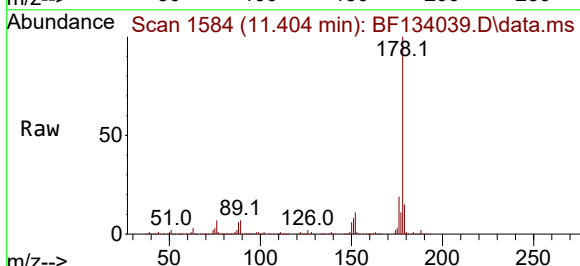
Tgt Ion:178 Resp: 177693

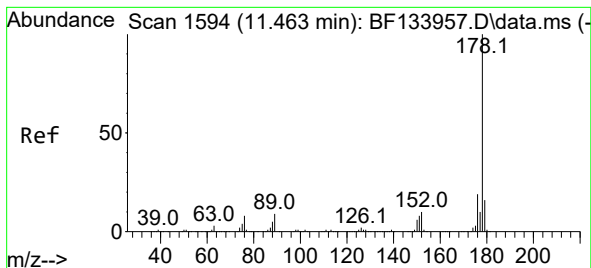
Ion Ratio Lower Upper

178 100

176 18.6 16.0 24.0

179 15.2 12.4 18.6





#72

Anthracene

Concen: 3.342 ng

RT: 11.451 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF134039.D

Acq: 29 Jun 2023 16:22

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-21-23RE

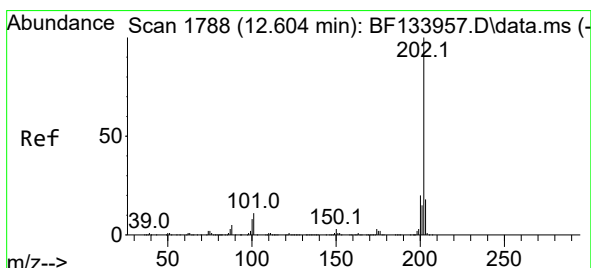
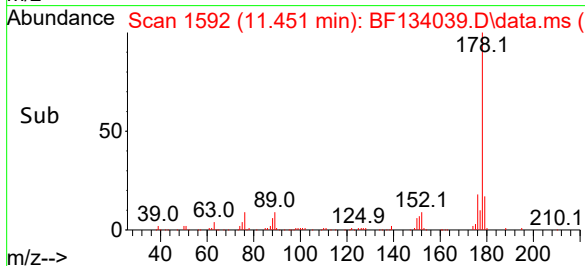
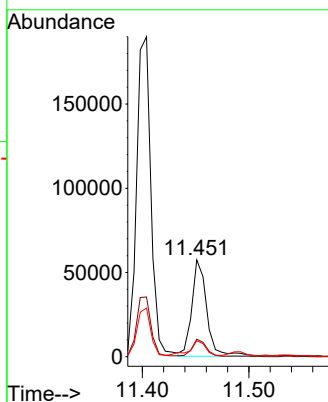
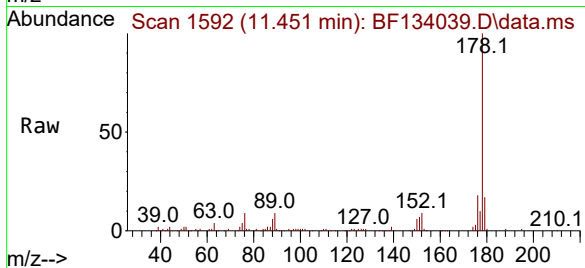
Tgt Ion:178 Resp: 56195

Ion Ratio Lower Upper

178 100

176 18.0 15.3 22.9

179 16.5 12.4 18.6



#75

Fluoranthene

Concen: 23.489 ng

RT: 12.598 min Scan# 1787

Delta R.T. -0.006 min

Lab File: BF134039.D

Acq: 29 Jun 2023 16:22

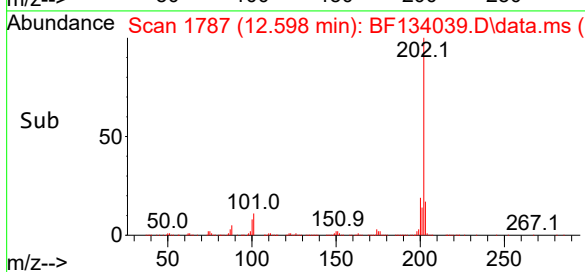
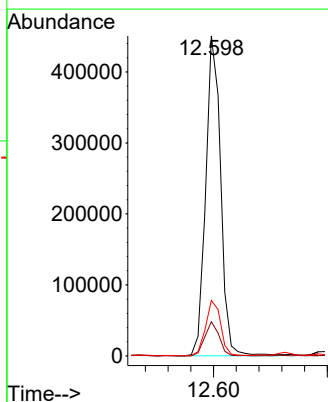
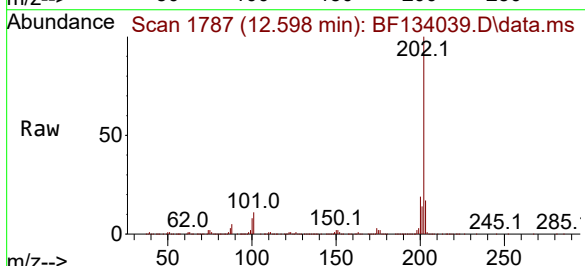
Tgt Ion:202 Resp: 410566

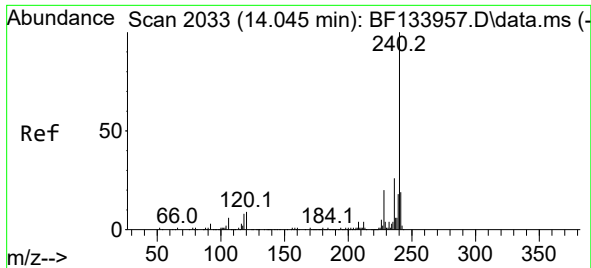
Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.0

203 17.3 0.0 37.6

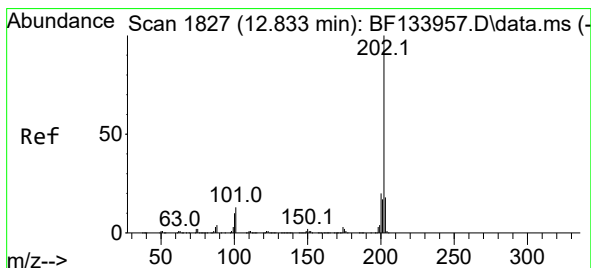
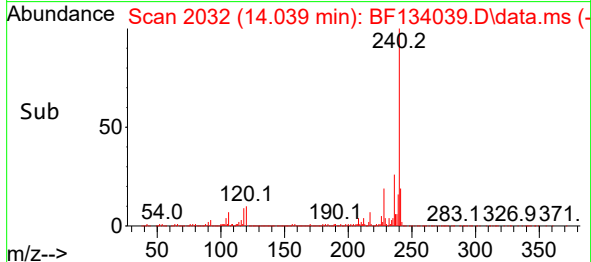
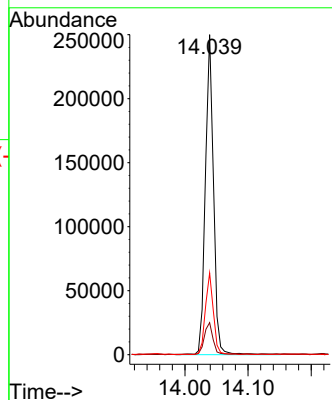
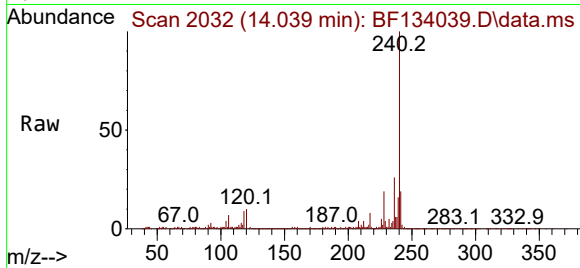




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF134039.D
Acq: 29 Jun 2023 16:22

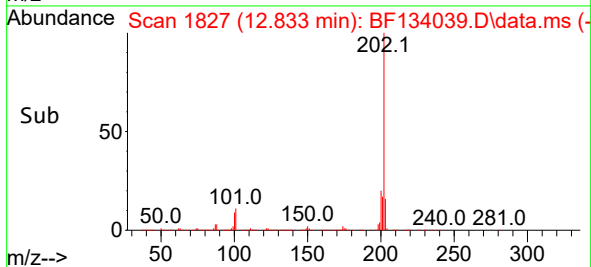
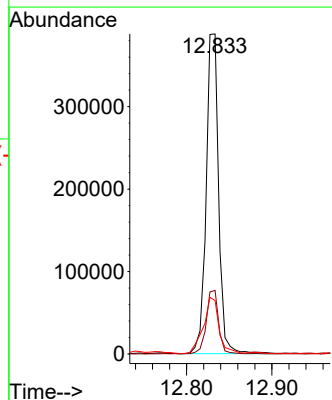
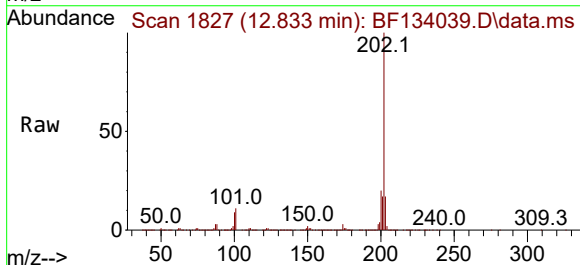
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-21-23RE

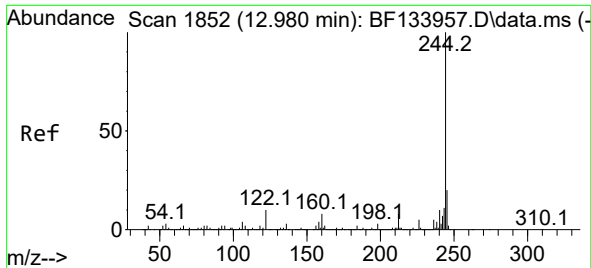
Tgt Ion:240 Resp: 223917
Ion Ratio Lower Upper
240 100
120 10.0 7.4 11.0
236 25.6 21.0 31.6



#78
Pyrene
Concen: 18.909 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.000 min
Lab File: BF134039.D
Acq: 29 Jun 2023 16:22

Tgt Ion:202 Resp: 394032
Ion Ratio Lower Upper
202 100
200 19.8 16.1 24.1
203 16.7 14.3 21.5

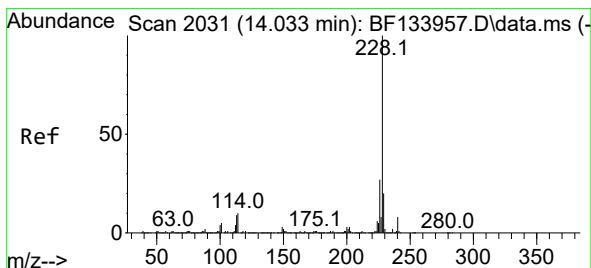
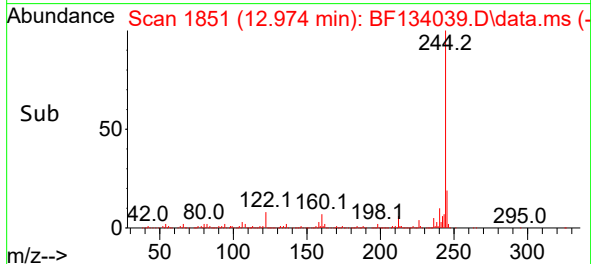
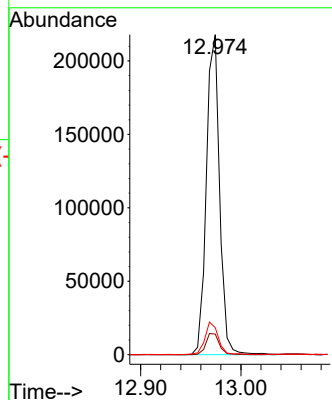
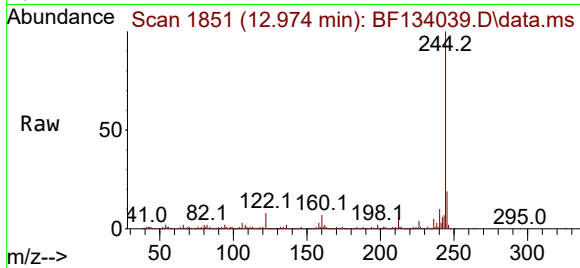




#79
 Terphenyl-d14
 Concen: 14.440 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF134039.D
 Acq: 29 Jun 2023 16:22

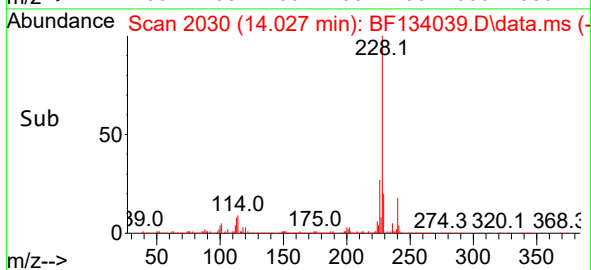
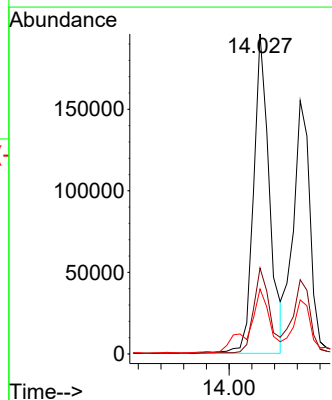
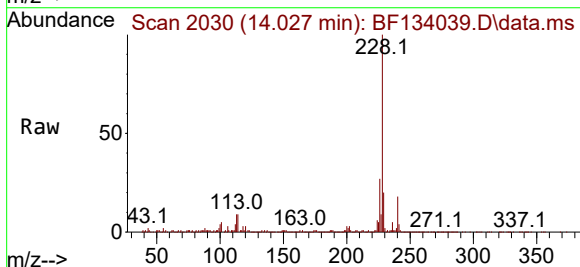
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-21-23RE

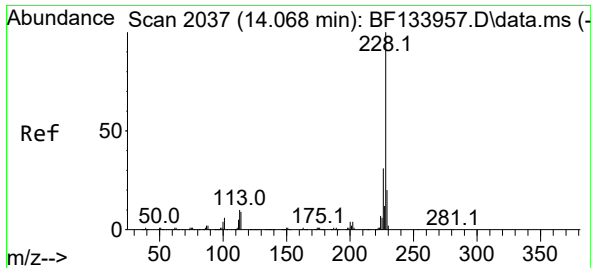
Tgt Ion:244 Resp: 200900
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.0 9.0
 122 8.5 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 12.242 ng
 RT: 14.027 min Scan# 2030
 Delta R.T. -0.006 min
 Lab File: BF134039.D
 Acq: 29 Jun 2023 16:22

Tgt Ion:228 Resp: 190114
 Ion Ratio Lower Upper
 228 100
 226 26.9 22.0 33.0
 229 20.3 16.3 24.5





#83

Chrysene

Concen: 10.706 ng

RT: 14.063 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF134039.D

Acq: 29 Jun 2023 16:22

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-21-23RE

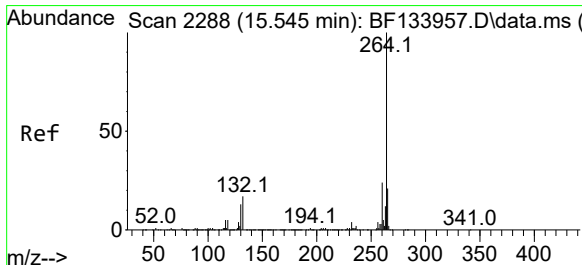
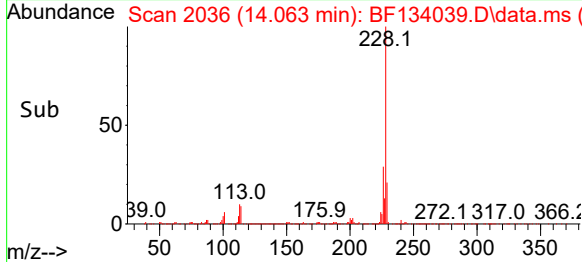
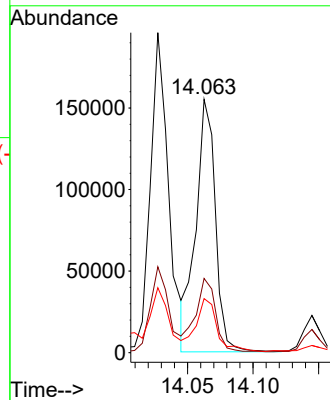
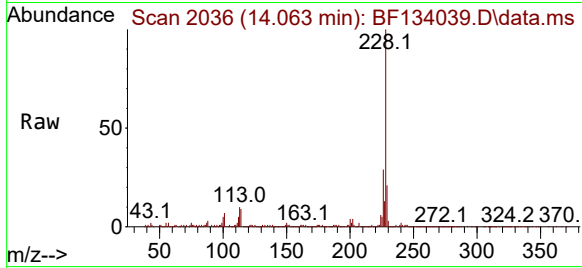
Tgt Ion:228 Resp: 161027

Ion Ratio Lower Upper

228 100

226 29.3 24.4 36.6

229 21.3 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2288

Delta R.T. 0.000 min

Lab File: BF134039.D

Acq: 29 Jun 2023 16:22

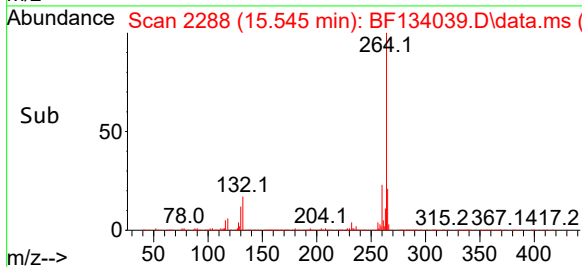
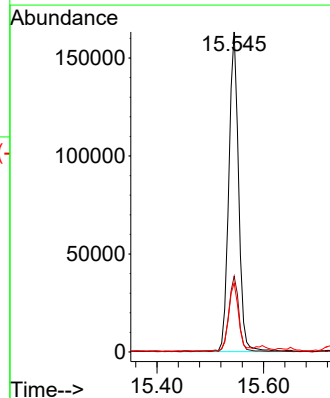
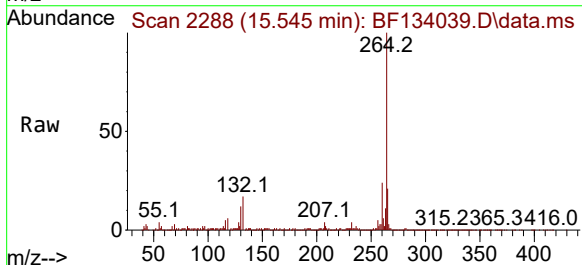
Tgt Ion:264 Resp: 208543

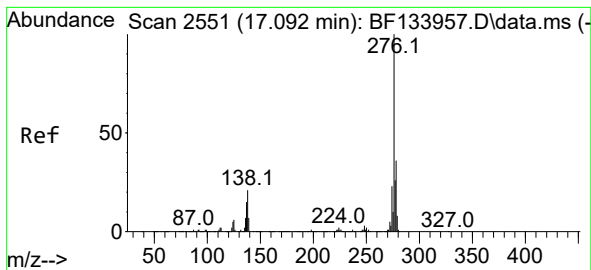
Ion Ratio Lower Upper

264 100

260 23.6 19.5 29.3

265 21.5 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.228 ng

RT: 17.086 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134039.D

Acq: 29 Jun 2023 16:22

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-21-23RE

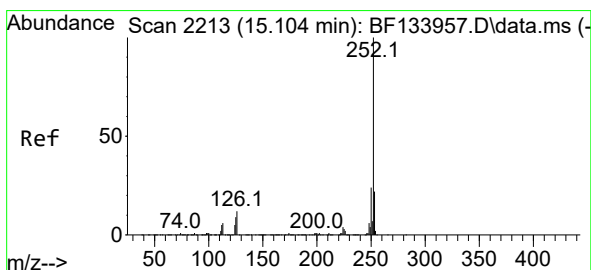
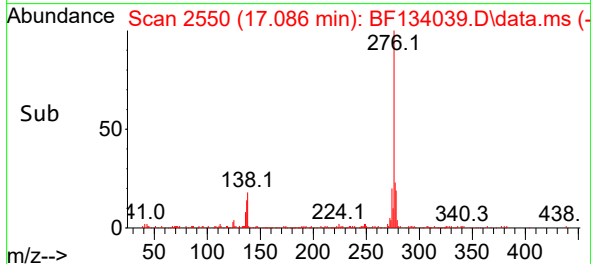
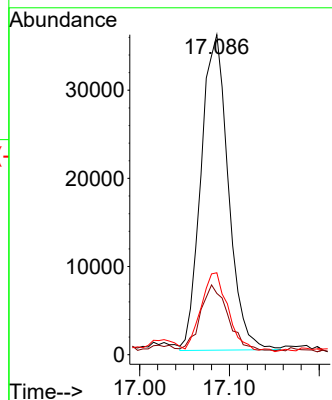
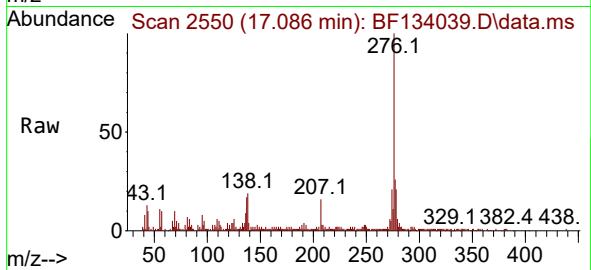
Tgt Ion:276 Resp: 75656

Ion Ratio Lower Upper

276 100

138 22.3 18.7 28.1

277 23.8 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 21.601 ng

RT: 15.098 min Scan# 2212

Delta R.T. -0.006 min

Lab File: BF134039.D

Acq: 29 Jun 2023 16:22

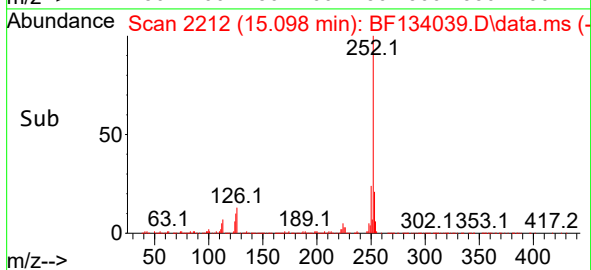
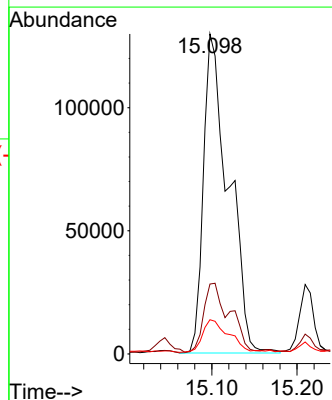
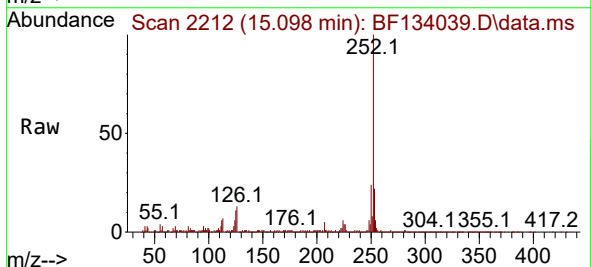
Tgt Ion:252 Resp: 264884

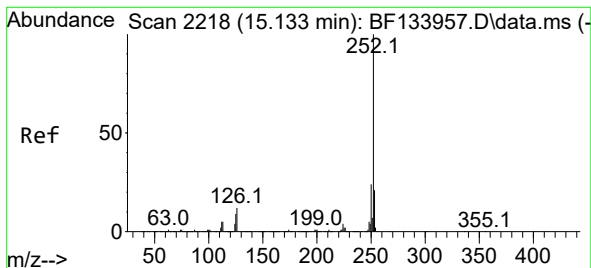
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

125 10.7 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 21.216 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF134039.D

Acq: 29 Jun 2023 16:22

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-21-23RE

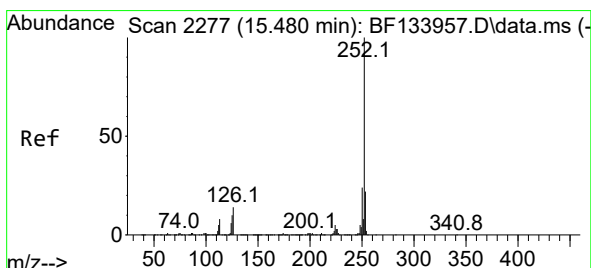
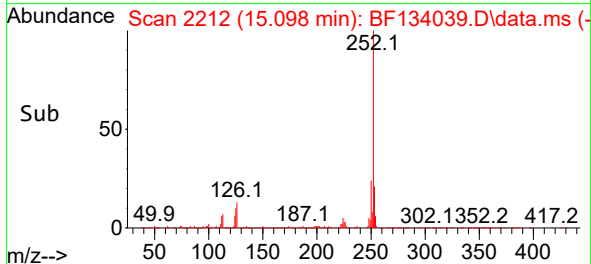
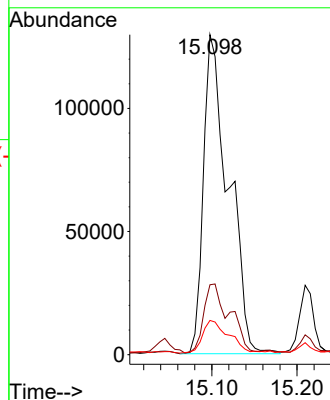
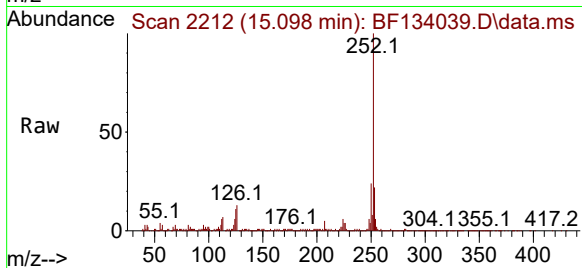
Tgt Ion:252 Resp: 264884

Ion Ratio Lower Upper

252 100

253 21.9 16.9 25.3

125 10.7 7.4 11.2



#90

Benzo(a)pyrene

Concen: 11.469 ng

RT: 15.474 min Scan# 2276

Delta R.T. -0.006 min

Lab File: BF134039.D

Acq: 29 Jun 2023 16:22

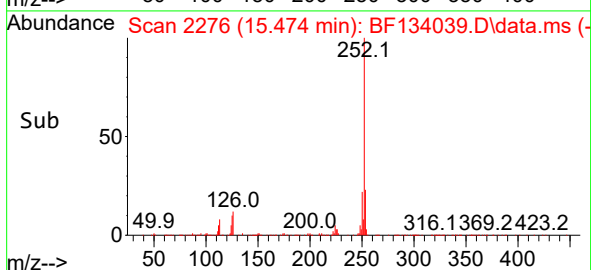
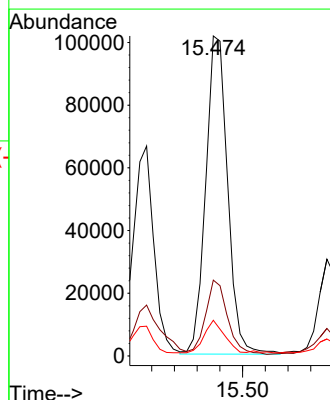
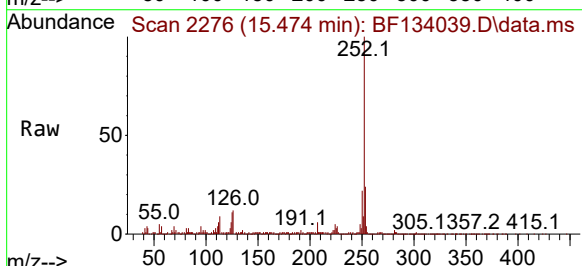
Tgt Ion:252 Resp: 135992

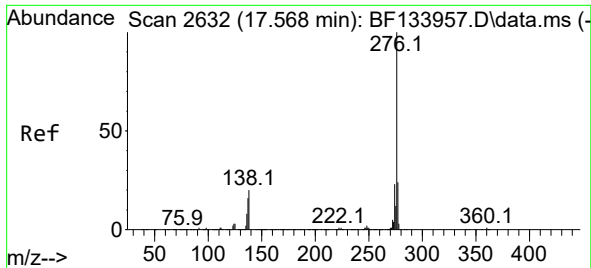
Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.0

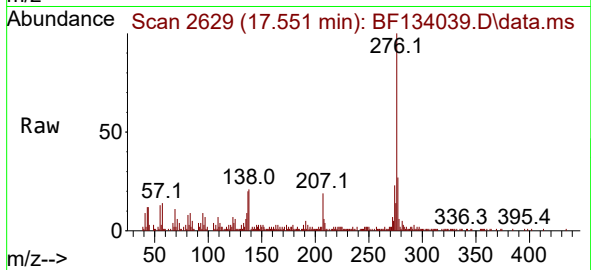
125 11.2 8.4 12.6





#92
 Benzo(g,h,i)perylene
 Concen: 4.928 ng
 RT: 17.551 min Scan# 20
 Delta R.T. -0.017 min
 Lab File: BF134039.D
 Acq: 29 Jun 2023 16:22

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-21-23RE



Tgt Ion:	276	Resp:	60068
Ion Ratio	Lower	Upper	
276	100		
277	27.0	19.0	28.6
138	20.6	16.2	24.2

