

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062923\
 Data File : BF134045.D
 Acq On : 29 Jun 2023 19:44
 Operator : CG\JU
 Sample : 03361-07RE
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

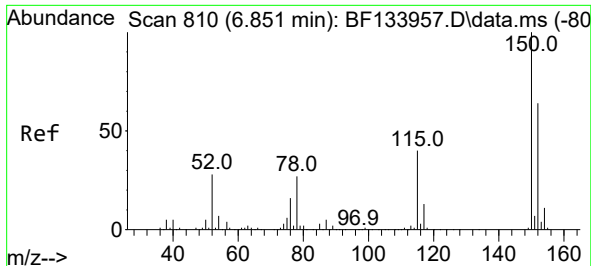
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-31-36RE

Quant Time: Jun 30 05:13:42 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)

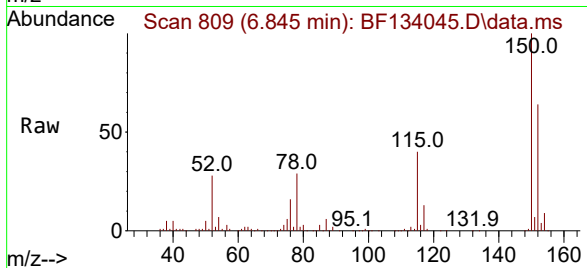
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	100066	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	329653	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	135737	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	261480	20.000	ng	0.00
76) Chrysene-d12	14.039	240	173377	20.000	ng	0.00
86) Perylene-d12	15.545	264	139230	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	498423	83.320	ng	0.00
7) Phenol-d6	6.487	99	621627	84.497	ng	0.00
23) Nitrobenzene-d5	7.410	82	412128	67.392	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	71475	41.998	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	697058	74.663	ng	0.00
79) Terphenyl-d14	12.974	244	759661	70.518	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.404	77	1314	Below Cal	#	74
19) n-Nitroso-di-n-propyla...	7.410	70	59561	12.767	ng	# 76
25) Isophorone	7.410	82	412115	37.080	ng	# 64
51) 2,6-Dinitrotoluene	9.886	165	17775	8.376	ng	# 24
57) 2,4-Dinitrotoluene	9.886	165	17775	6.342	ng	# 23
63) Azobenzene	10.598	77	50848	5.236	ng	# 1
71) Phenanthrene	11.404	178	130063	9.881	ng	97
72) Anthracene	11.457	178	33312	2.433	ng	99
75) Fluoranthene	12.604	202	318681	22.394	ng	99
78) Pyrene	12.833	202	306173	18.976	ng	98
80) Butylbenzylphthalate	13.451	149	17625	2.913	ng	99
81) Benzo(a)anthracene	14.027	228	142538	11.854	ng	97
83) Chrysene	14.063	228	128000	10.991	ng	98
84) Bis(2-ethylhexyl)phtha...	14.016	149	37904	5.451	ng	93
87) Indeno(1,2,3-cd)pyrene	17.092	276	57802	5.983	ng	96
88) Benzo(b)fluoranthene	15.104	252	191693	23.415	ng	# 96
89) Benzo(k)fluoranthene	15.104	252	191693	22.997	ng	# 95
90) Benzo(a)pyrene	15.480	252	99269	12.539	ng	98
92) Benzo(g,h,i)perylene	17.562	276	57126	7.020	ng	98

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

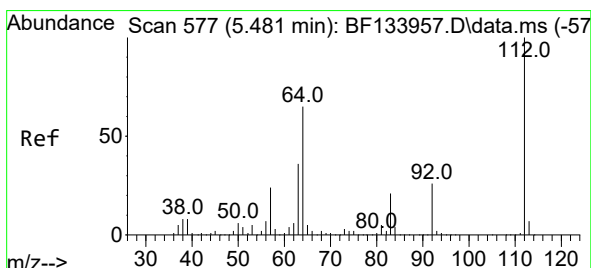
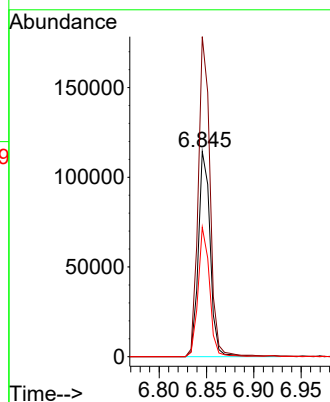
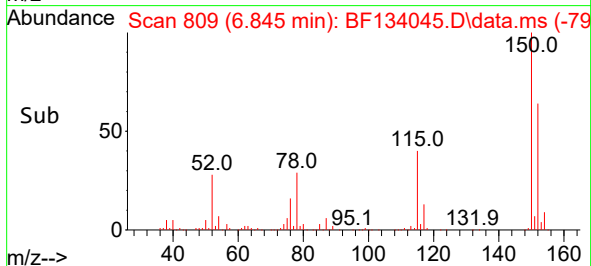


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF134045.D
Acq: 29 Jun 2023 19:44

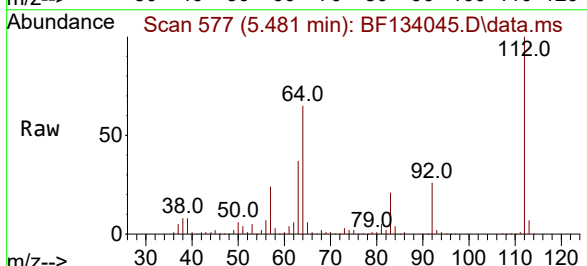
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-31-36RE



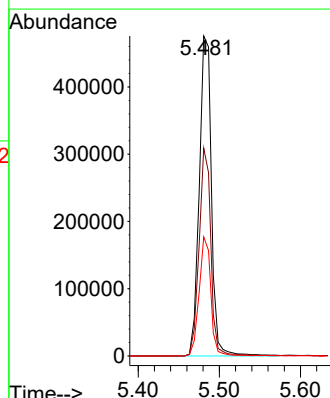
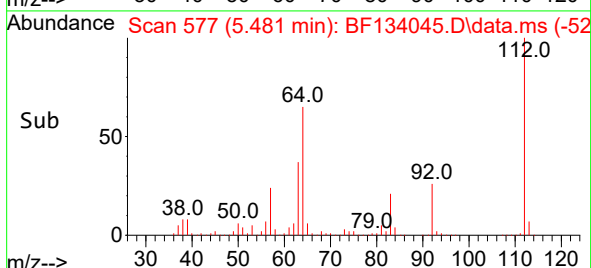
Tgt Ion:152 Resp: 100066
Ion Ratio Lower Upper
152 100
150 156.1 124.5 186.7
115 63.1 50.2 75.2

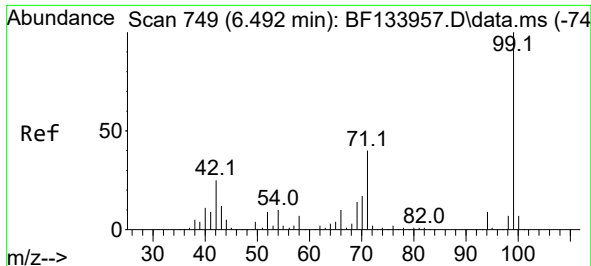


#5
2-Fluorophenol
Concen: 83.320 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF134045.D
Acq: 29 Jun 2023 19:44



Tgt Ion:112 Resp: 498423
Ion Ratio Lower Upper
112 100
64 64.9 52.1 78.1
63 37.2 28.6 42.8

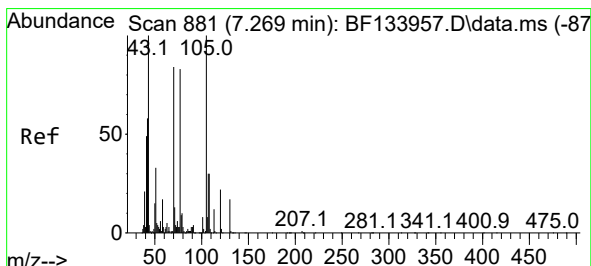
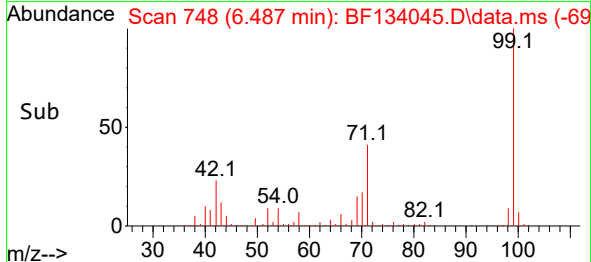
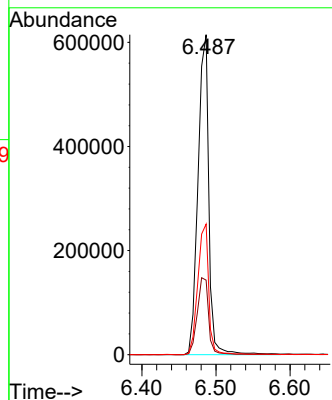
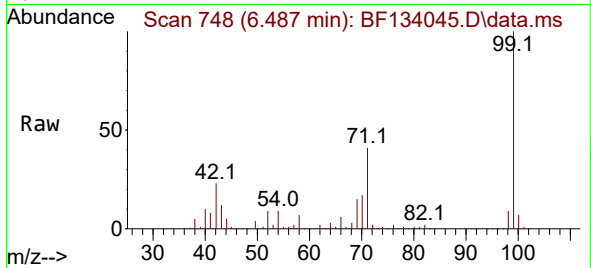




#7
Phenol-d6
Concen: 84.497 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134045.D
Acq: 29 Jun 2023 19:44

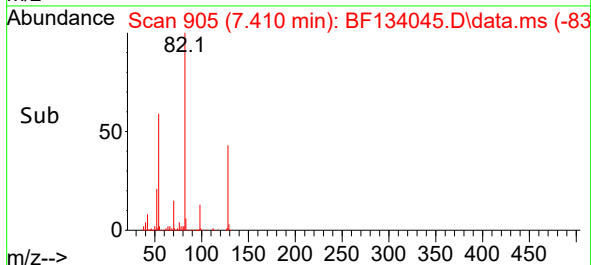
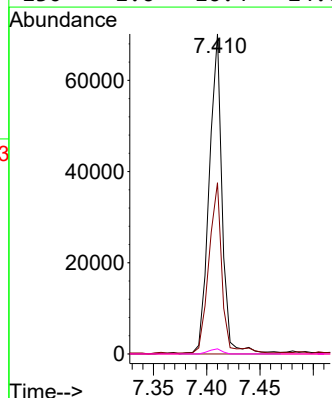
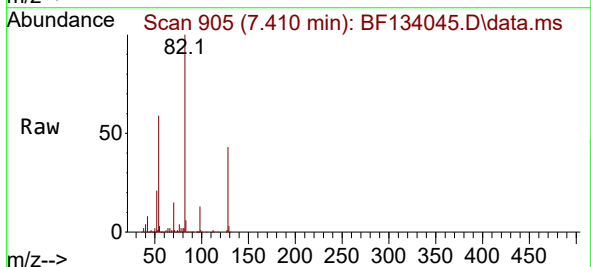
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-31-36RE

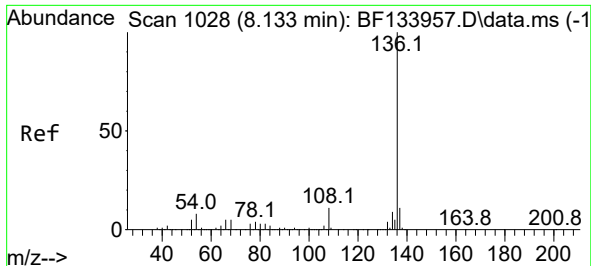
Tgt Ion: 99 Resp: 621627
Ion Ratio Lower Upper
99 100
42 23.3 19.8 29.6
71 40.8 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 12.767 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF134045.D
Acq: 29 Jun 2023 19:44

Tgt Ion: 70 Resp: 59561
Ion Ratio Lower Upper
70 100
42 53.5 54.7 82.1#
101 0.0 7.7 11.5#
130 1.6 16.4 24.6#



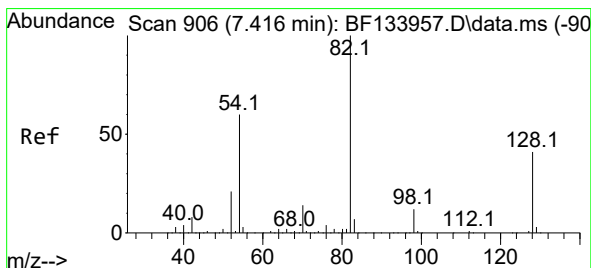
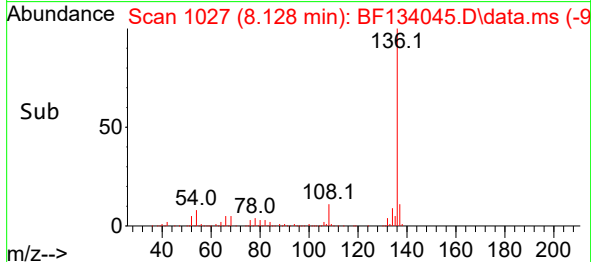
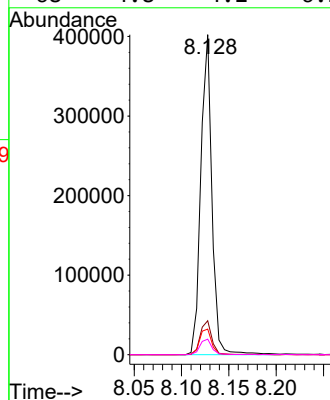
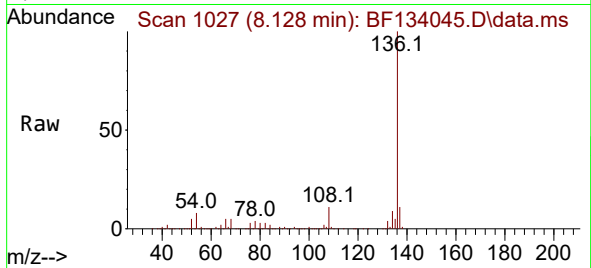


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF134045.D
Acq: 29 Jun 2023 19:44

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-31-36RE

Tgt Ion:136 Resp: 329653

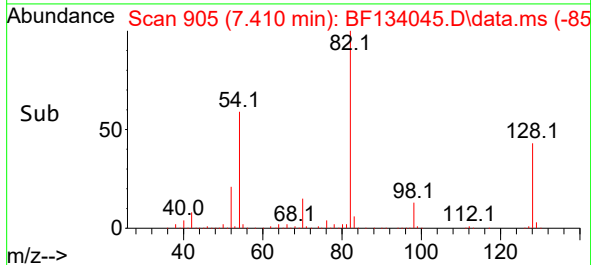
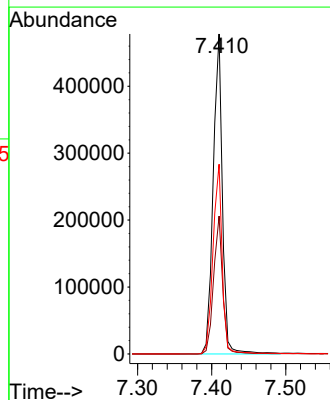
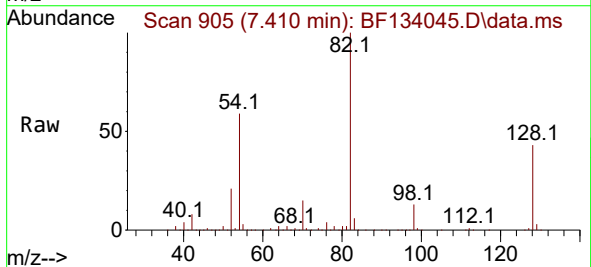
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	12.8
54	8.0	6.5	9.7
68	4.8	4.2	6.2

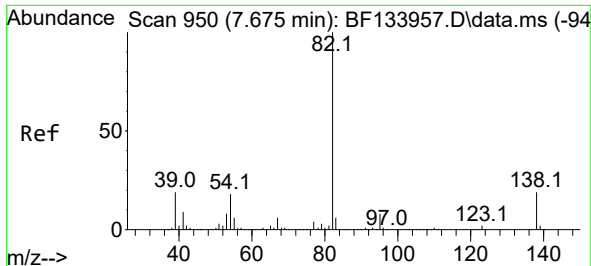


#23
Nitrobenzene-d5
Concen: 67.392 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF134045.D
Acq: 29 Jun 2023 19:44

Tgt Ion: 82 Resp: 412128

Ion	Ratio	Lower	Upper
82	100		
128	43.1	32.5	48.7
54	59.3	48.2	72.2

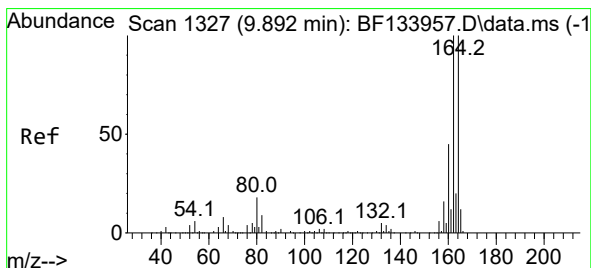
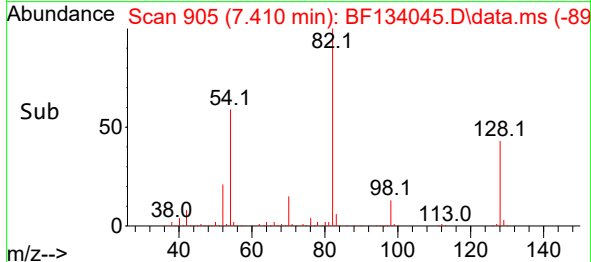
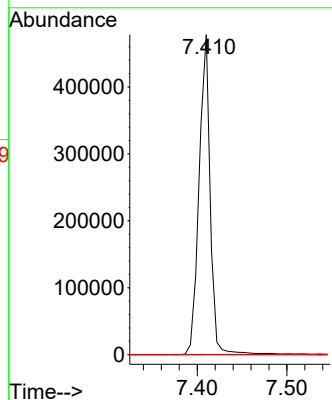
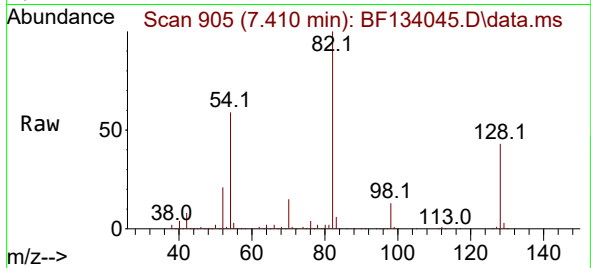




#25
Isophorone
Concen: 37.080 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.264 min
Lab File: BF134045.D
Acq: 29 Jun 2023 19:44

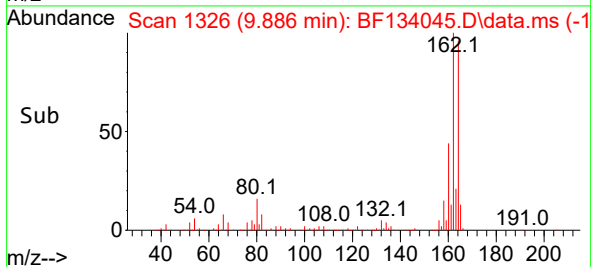
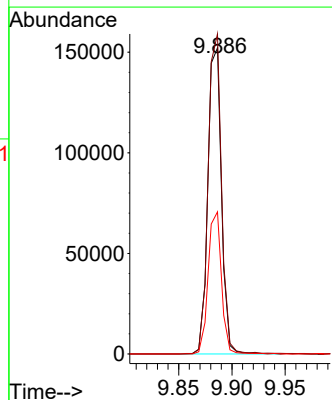
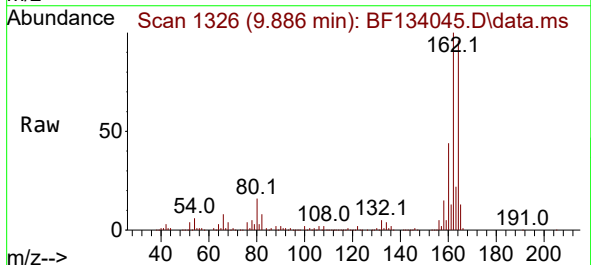
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-31-36RE

Tgt Ion: 82 Resp: 412115
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: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF134045.D
Acq: 29 Jun 2023 19:44

Tgt Ion:164 Resp: 135737
Ion Ratio Lower Upper
164 100
162 104.5 80.0 120.0
160 46.4 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 41.998 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.012 min

Lab File: BF134045.D

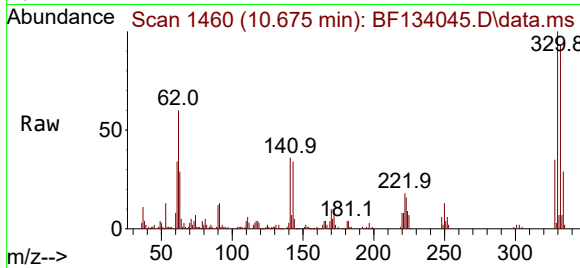
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Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-31-36RE



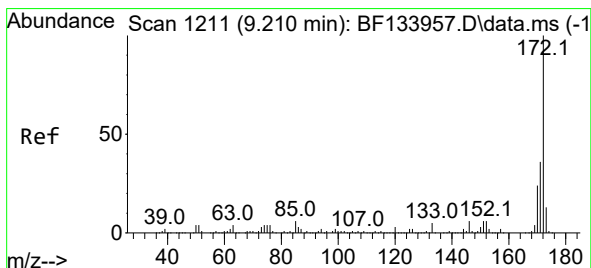
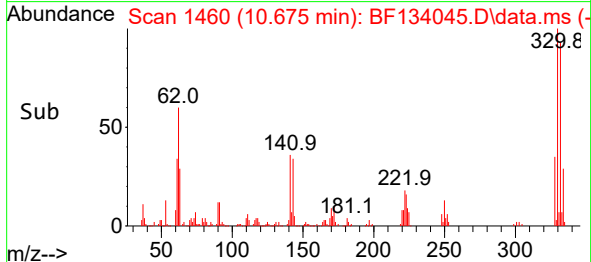
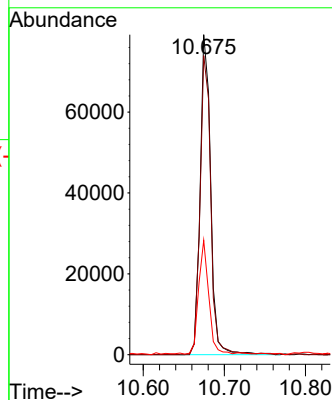
Tgt Ion:330 Resp: 71475

Ion Ratio Lower Upper

330 100

332 94.8 77.0 115.6

141 34.2 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 74.663 ng

RT: 9.204 min Scan# 1210

Delta R.T. -0.006 min

Lab File: BF134045.D

Acq: 29 Jun 2023 19:44

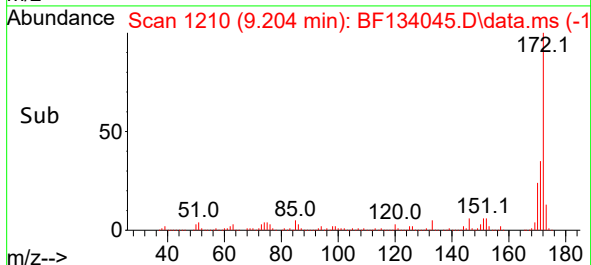
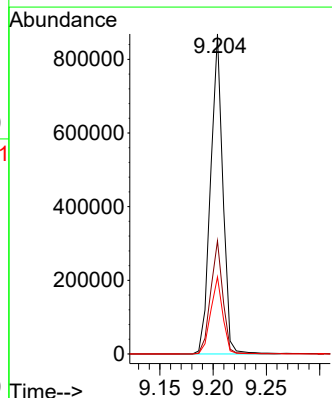
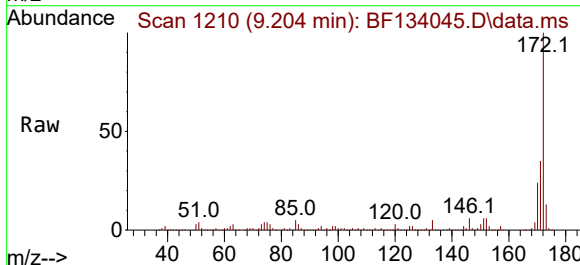
Tgt Ion:172 Resp: 697058

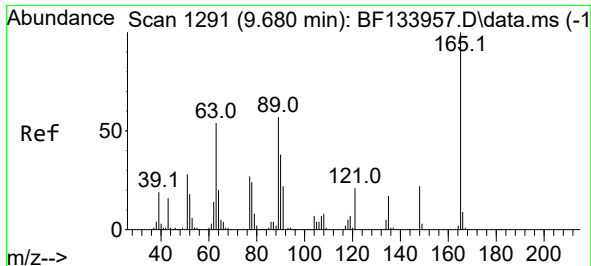
Ion Ratio Lower Upper

172 100

171 35.4 28.6 43.0

170 24.1 19.4 29.0

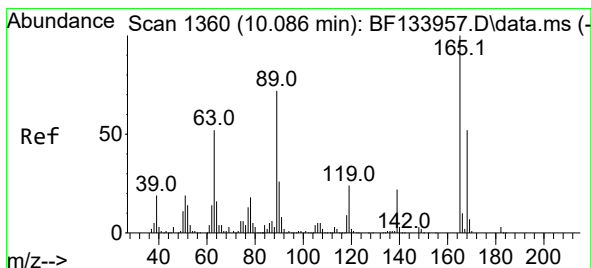
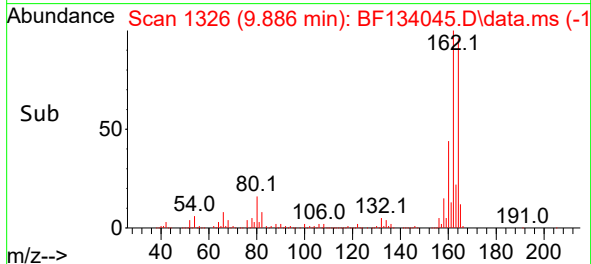
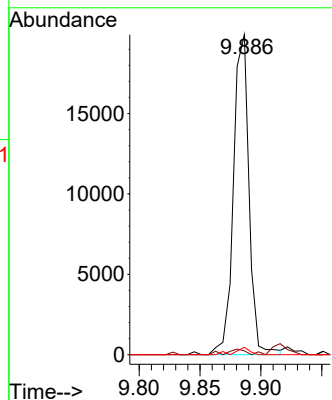
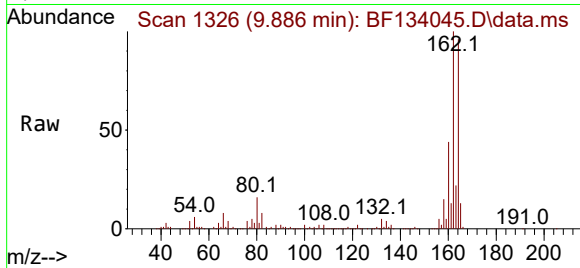




#51
2,6-Dinitrotoluene
Concen: 8.376 ng
RT: 9.886 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF134045.D
Acq: 29 Jun 2023 19:44

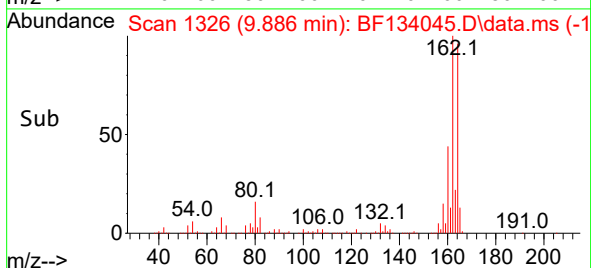
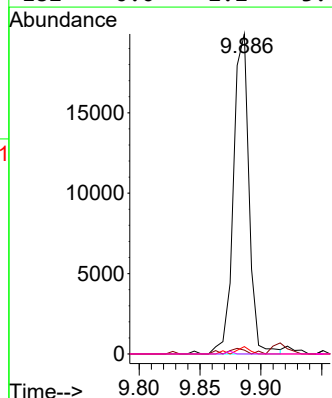
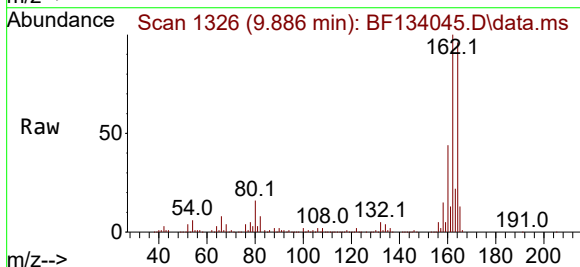
Instrument :
BNA_F
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COMPOSIT-SB-31-36RE

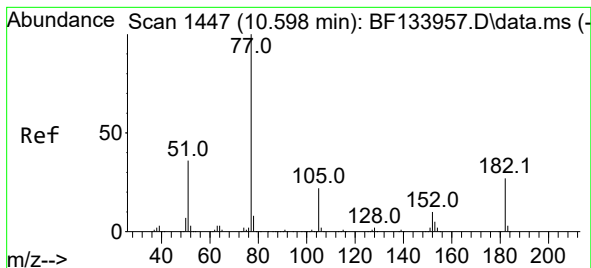
Tgt Ion:165 Resp: 17775
Ion Ratio Lower Upper
165 100
63 1.2 48.5 72.7#
89 2.3 45.5 68.3#



#57
2,4-Dinitrotoluene
Concen: 6.342 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.200 min
Lab File: BF134045.D
Acq: 29 Jun 2023 19:44

Tgt Ion:165 Resp: 17775
Ion Ratio Lower Upper
165 100
63 1.2 42.2 63.2#
89 2.3 57.4 86.2#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 5.236 ng

RT: 10.598 min Scan# 1447

Delta R.T. 0.000 min

Lab File: BF134045.D

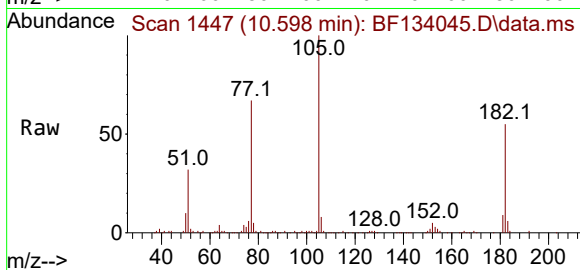
Acq: 29 Jun 2023 19:44

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-31-36RE



Tgt Ion: 77 Resp: 50848

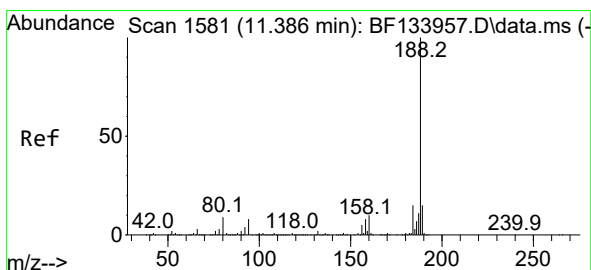
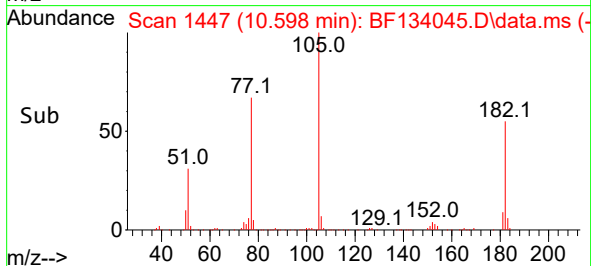
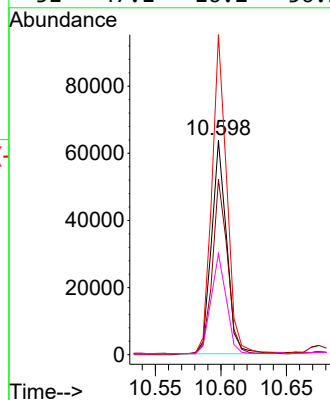
Ion Ratio Lower Upper

77 100

182 81.8 6.8 46.8#

105 149.3 2.3 42.3#

51 47.1 16.2 56.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 1580

Delta R.T. -0.006 min

Lab File: BF134045.D

Acq: 29 Jun 2023 19:44

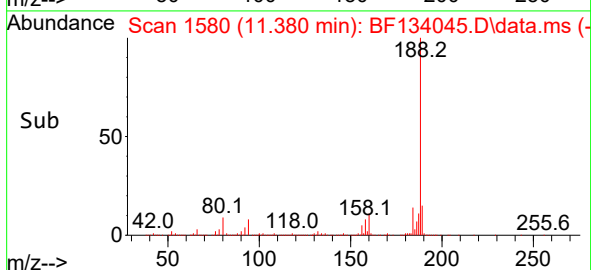
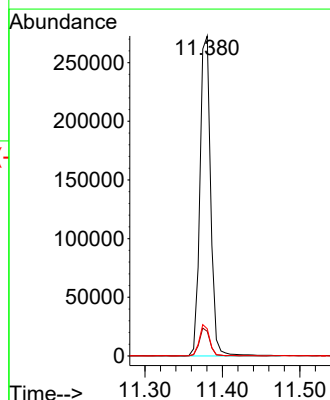
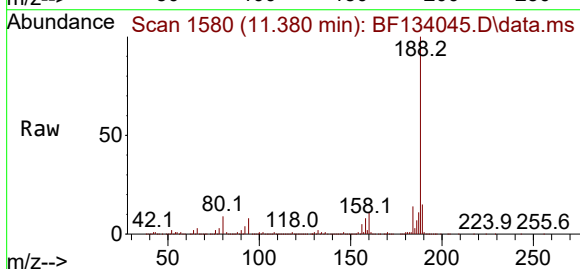
Tgt Ion:188 Resp: 261480

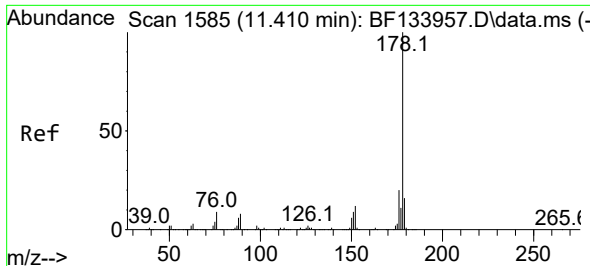
Ion Ratio Lower Upper

188 100

94 7.7 6.4 9.6

80 8.5 7.3 10.9

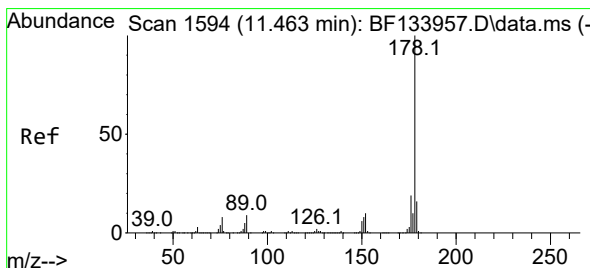
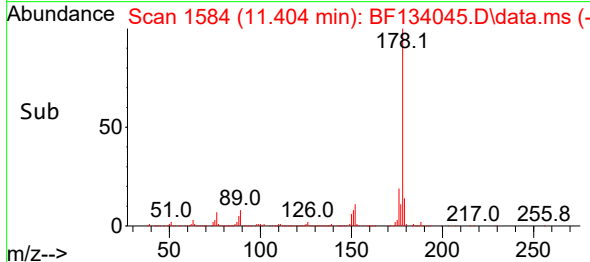
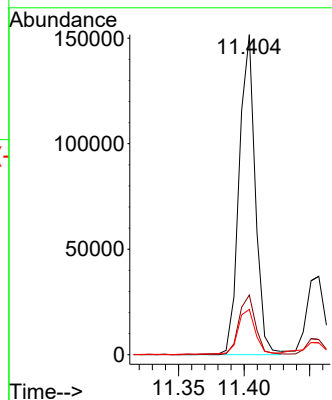
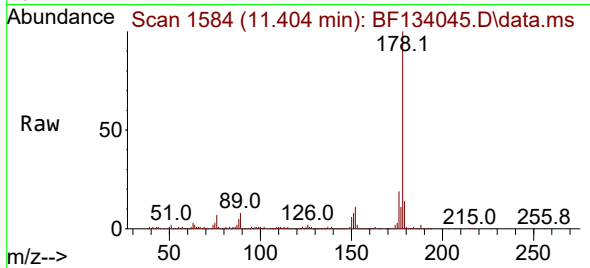




#71
Phenanthrene
Concen: 9.881 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134045.D
Acq: 29 Jun 2023 19:44

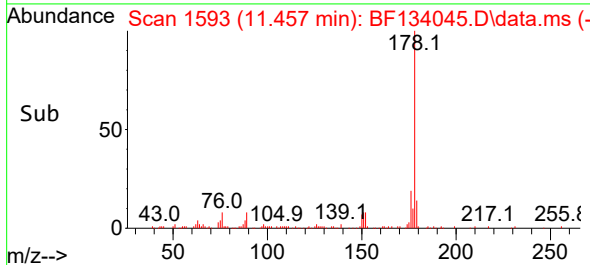
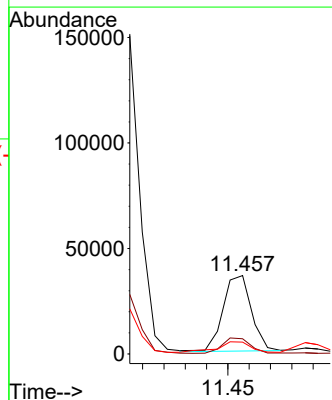
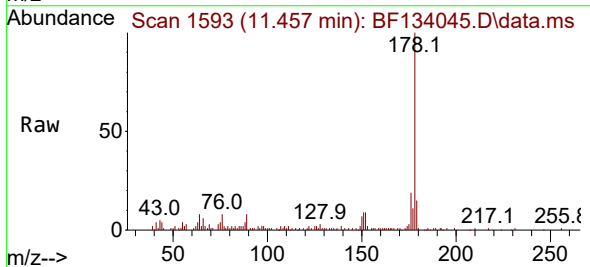
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-31-36RE

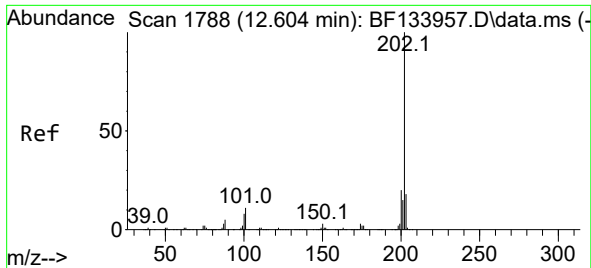
Tgt Ion:178 Resp: 130063
Ion Ratio Lower Upper
178 100
176 18.7 16.0 24.0
179 14.2 12.4 18.6



#72
Anthracene
Concen: 2.433 ng
RT: 11.457 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF134045.D
Acq: 29 Jun 2023 19:44

Tgt Ion:178 Resp: 33312
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.1 12.4 18.6

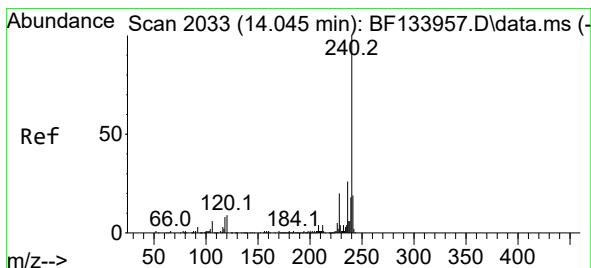
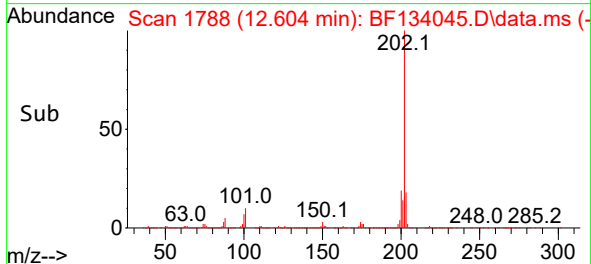
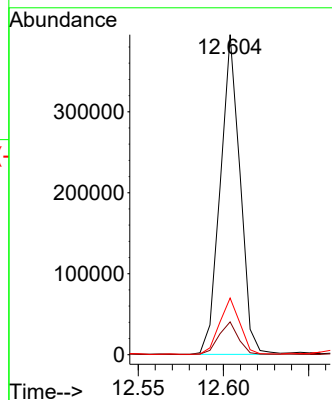
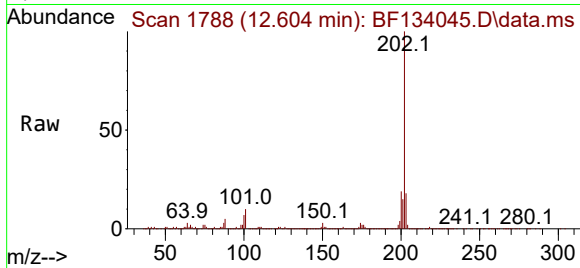




#75
Fluoranthene
Concen: 22.394 ng
RT: 12.604 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BF134045.D
Acq: 29 Jun 2023 19:44

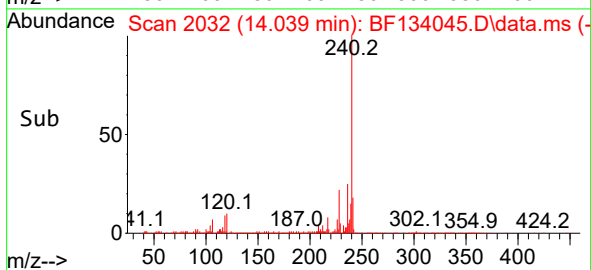
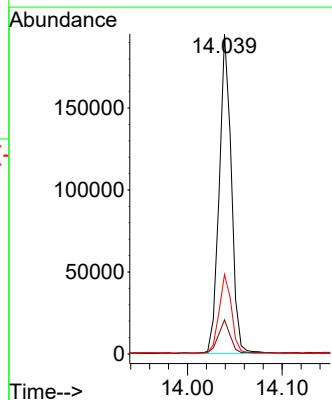
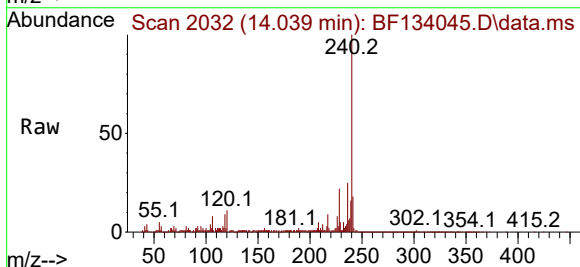
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-31-36RE

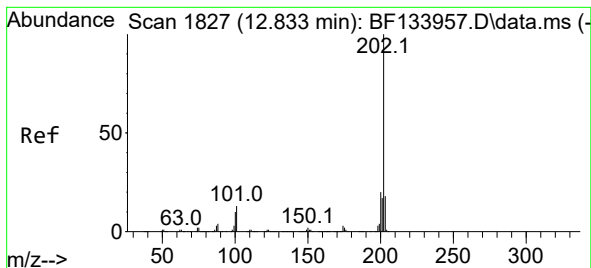
Tgt Ion:	202	Resp:	318681
Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	31.0
203	17.7	0.0	37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF134045.D
Acq: 29 Jun 2023 19:44

Tgt Ion:	240	Resp:	173377
Ion	Ratio	Lower	Upper
240	100		
120	10.7	7.4	11.0
236	24.9	21.0	31.6





#78

Pyrene

Concen: 18.976 ng

RT: 12.833 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF134045.D

Acq: 29 Jun 2023 19:44

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-31-36RE

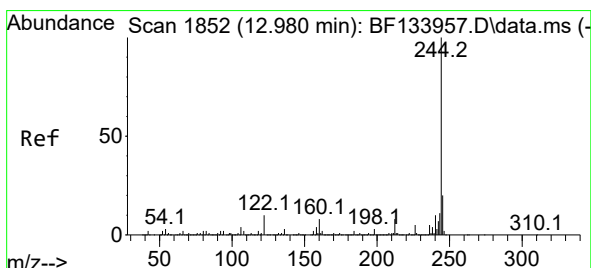
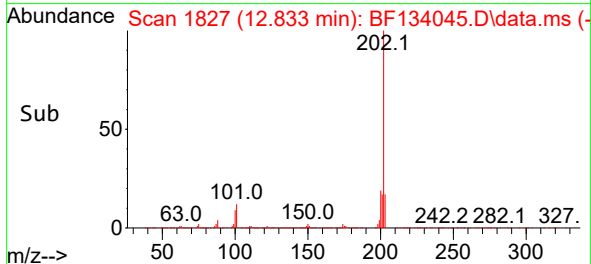
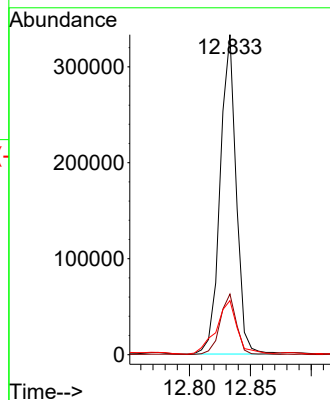
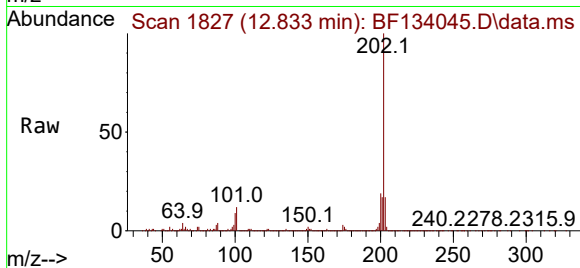
Tgt Ion:202 Resp: 306173

Ion Ratio Lower Upper

202 100

200 18.9 16.1 24.1

203 16.9 14.3 21.5



#79

Terphenyl-d14

Concen: 70.518 ng

RT: 12.974 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF134045.D

Acq: 29 Jun 2023 19:44

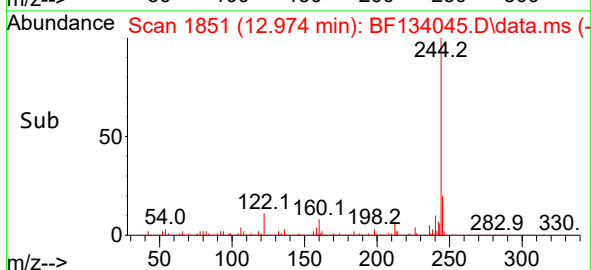
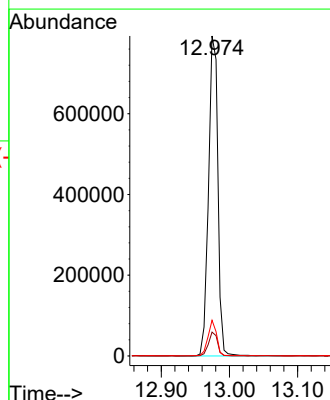
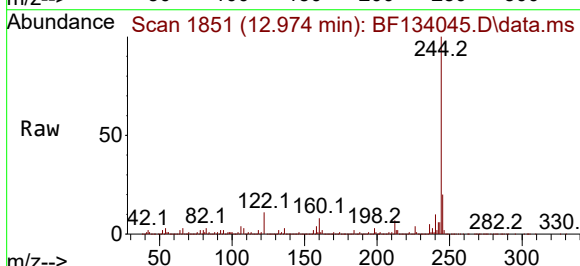
Tgt Ion:244 Resp: 759661

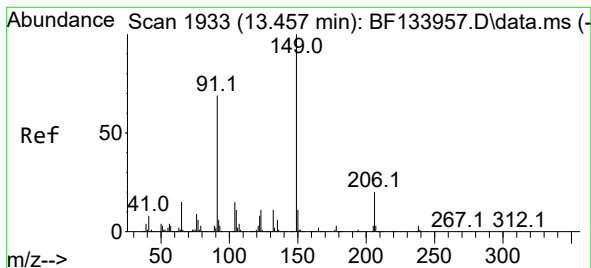
Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 11.2 8.3 12.5





#80

Butylbenzylphthalate

Concen: 2.913 ng

RT: 13.451 min Scan# 1933

Delta R.T. -0.006 min

Lab File: BF134045.D

Acq: 29 Jun 2023 19:44

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-31-36RE

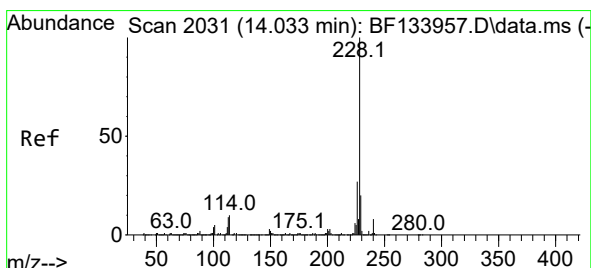
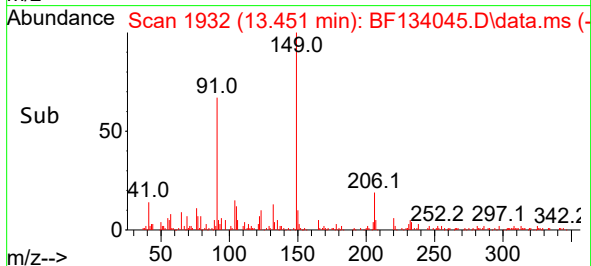
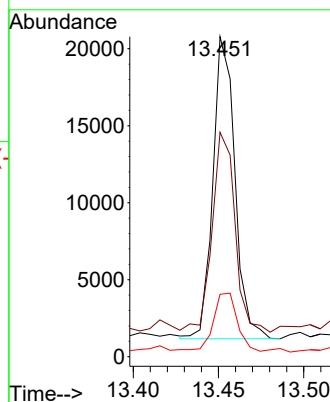
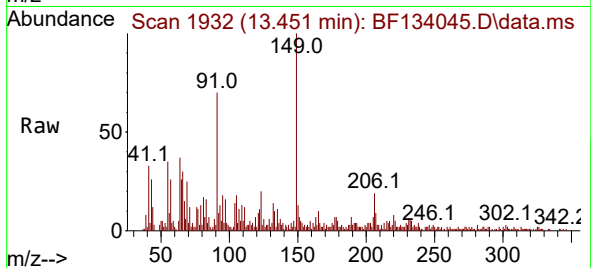
Tgt Ion:149 Resp: 17625

Ion Ratio Lower Upper

149 100

91 70.1 55.1 82.7

206 19.5 15.7 23.5



#81

Benzo(a)anthracene

Concen: 11.854 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF134045.D

Acq: 29 Jun 2023 19:44

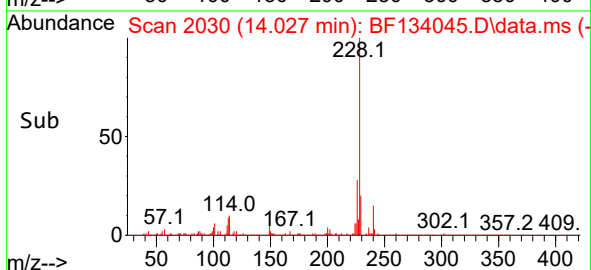
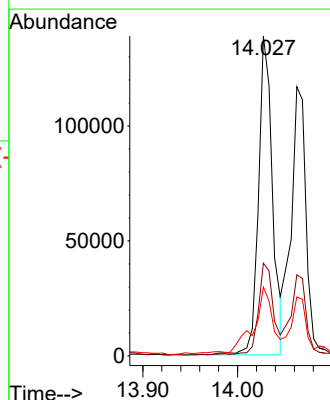
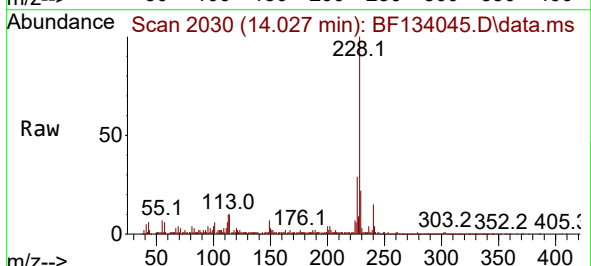
Tgt Ion:228 Resp: 142538

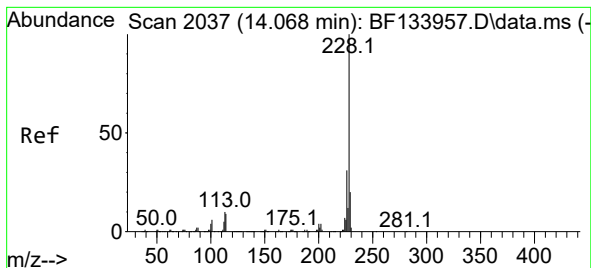
Ion Ratio Lower Upper

228 100

226 29.0 22.0 33.0

229 21.5 16.3 24.5





#83

Chrysene

Concen: 10.991 ng

RT: 14.063 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF134045.D

Acq: 29 Jun 2023 19:44

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-31-36RE

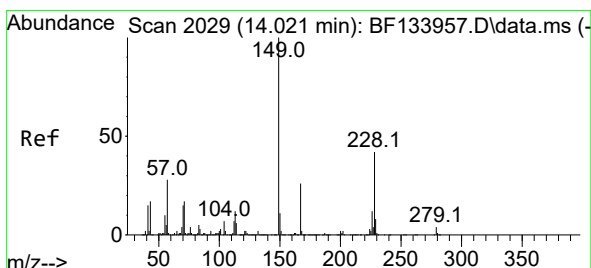
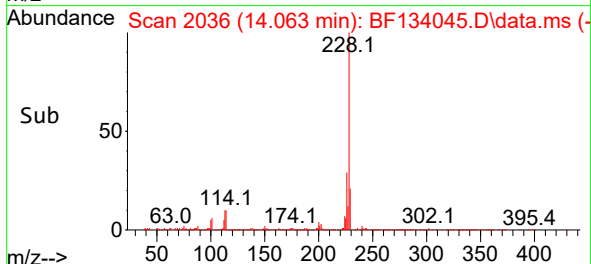
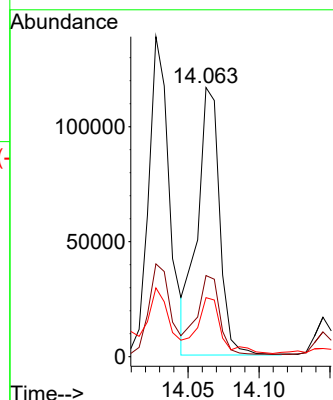
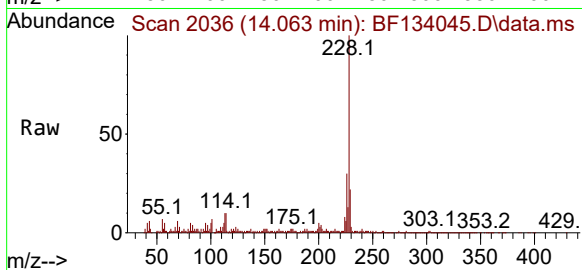
Tgt Ion:228 Resp: 128000

Ion Ratio Lower Upper

228 100

226 30.2 24.4 36.6

229 22.0 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.451 ng

RT: 14.016 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF134045.D

Acq: 29 Jun 2023 19:44

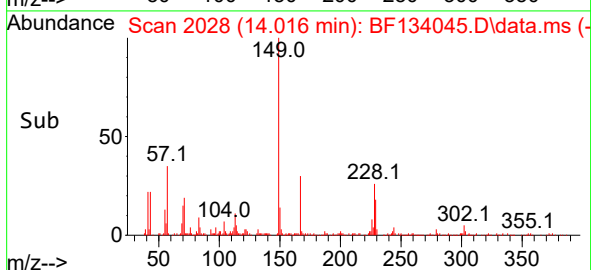
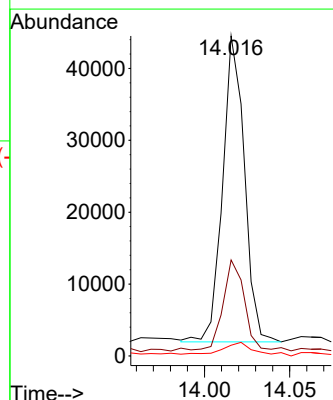
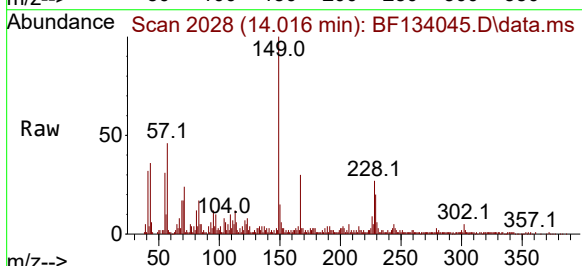
Tgt Ion:149 Resp: 37904

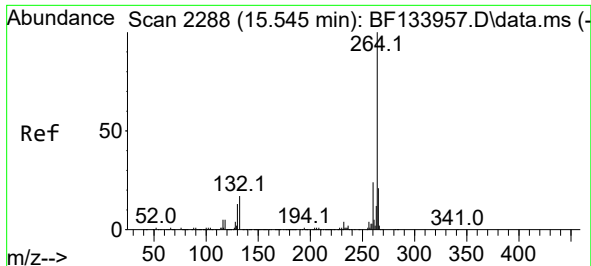
Ion Ratio Lower Upper

149 100

167 30.0 21.0 31.4

279 3.4 3.3 4.9



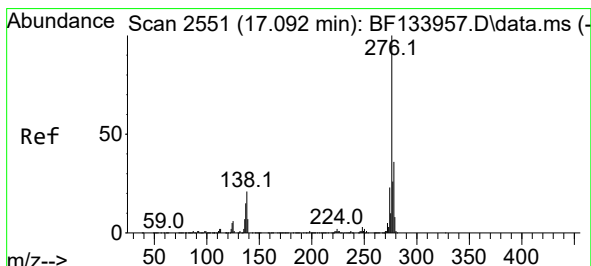
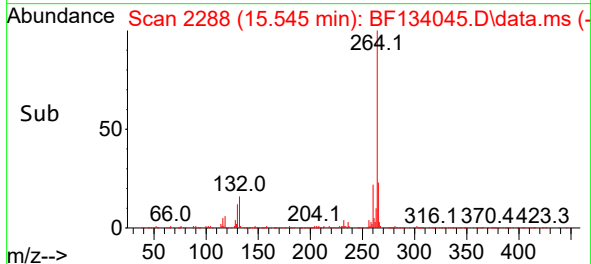
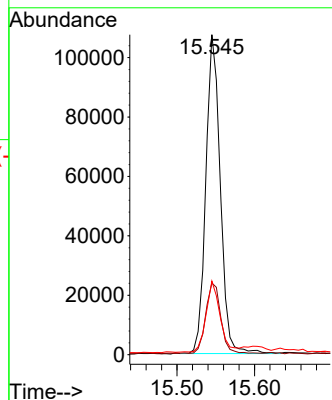
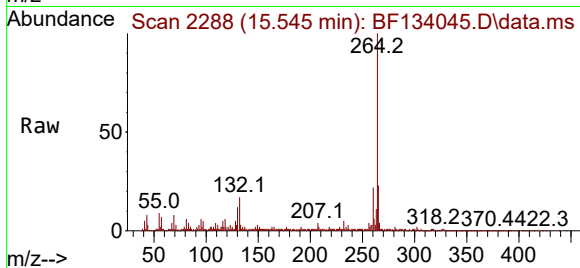


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF134045.D
Acq: 29 Jun 2023 19:44

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-31-36RE

Tgt Ion:264 Resp: 139230

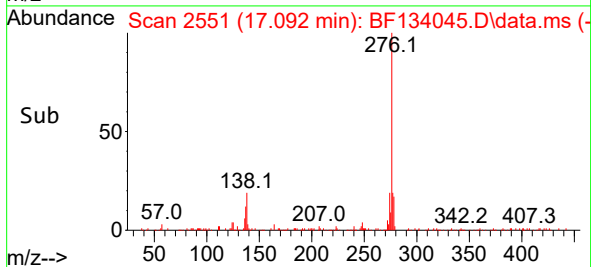
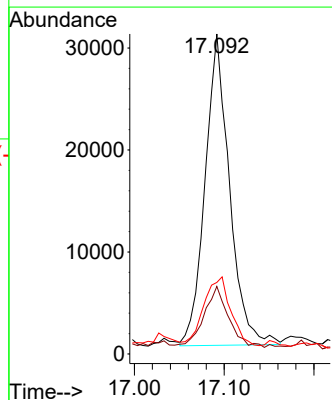
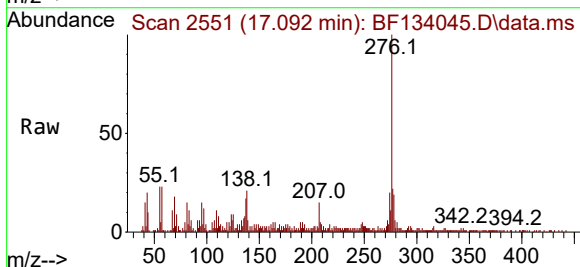
Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.5	29.3
265	23.0	16.6	25.0

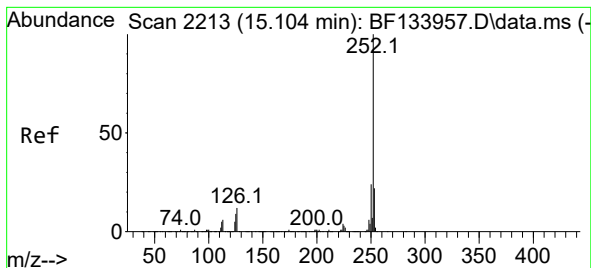


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.983 ng
RT: 17.092 min Scan# 2551
Delta R.T. 0.000 min
Lab File: BF134045.D
Acq: 29 Jun 2023 19:44

Tgt Ion:276 Resp: 57802

Ion	Ratio	Lower	Upper
276	100		
138	20.2	18.7	28.1
277	24.1	19.9	29.9





#88

Benzo(b)fluoranthene

Concen: 23.415 ng

RT: 15.104 min Scan# 2213

Delta R.T. 0.000 min

Lab File: BF134045.D

Acq: 29 Jun 2023 19:44

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-31-36RE

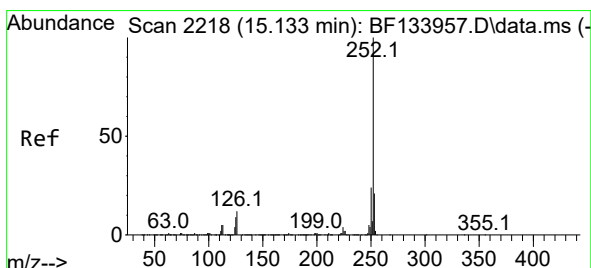
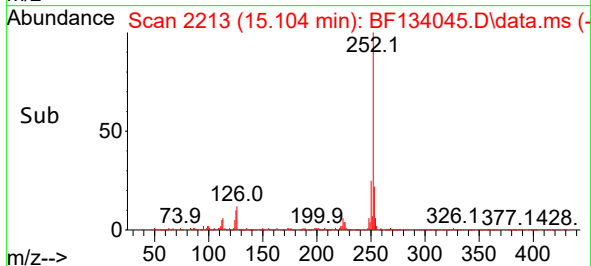
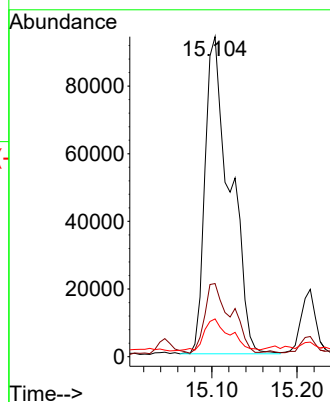
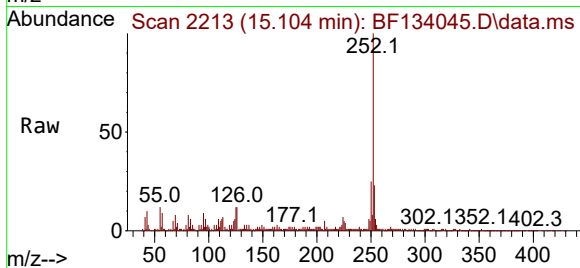
Tgt Ion:252 Resp: 191693

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 11.8 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 22.997 ng

RT: 15.104 min Scan# 2213

Delta R.T. -0.029 min

Lab File: BF134045.D

Acq: 29 Jun 2023 19:44

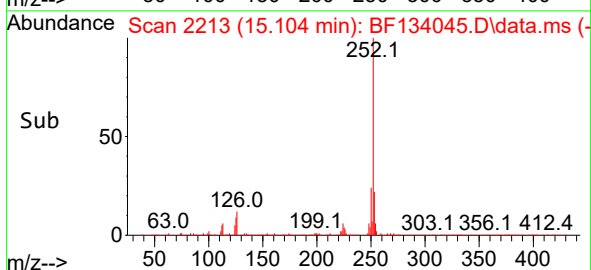
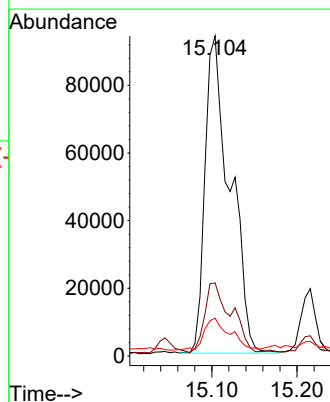
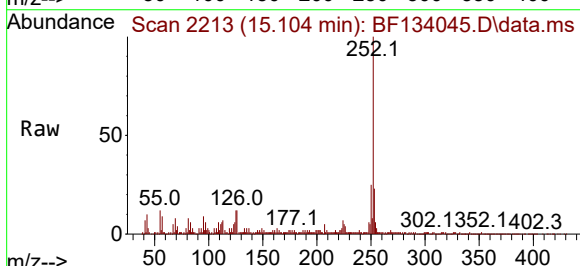
Tgt Ion:252 Resp: 191693

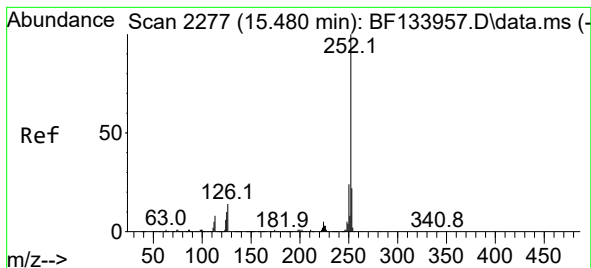
Ion Ratio Lower Upper

252 100

253 22.8 16.9 25.3

125 11.8 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 12.539 ng

RT: 15.480 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134045.D

Acq: 29 Jun 2023 19:44

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-31-36RE

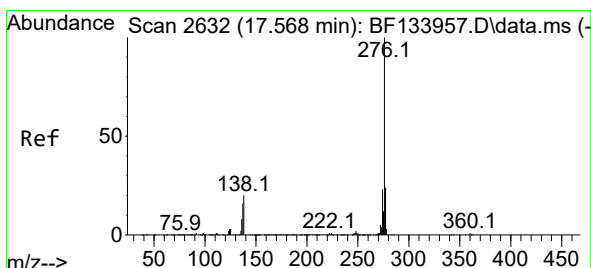
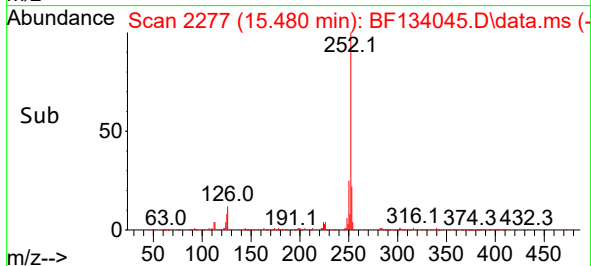
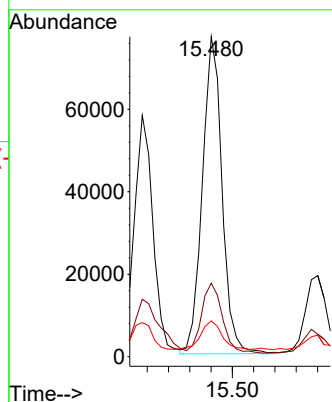
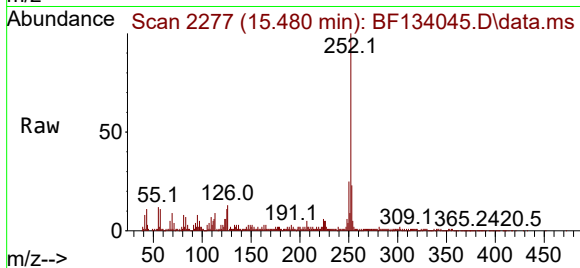
Tgt Ion:252 Resp: 99269

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

125 11.2 8.4 12.6



#92

Benzo(g,h,i)perylene

Concen: 7.020 ng

RT: 17.562 min Scan# 2631

Delta R.T. -0.006 min

Lab File: BF134045.D

Acq: 29 Jun 2023 19:44

Tgt Ion:276 Resp: 57126

Ion Ratio Lower Upper

276 100

277 25.0 19.0 28.6

138 19.9 16.2 24.2

