

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
 Data File : BF133864.D
 Acq On : 20 Jun 2023 19:27
 Operator : CG\JU
 Sample : 03223-07 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-05RE

Quant Time: Jun 21 00:14:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 13:43:46 2023
 Response via : Initial Calibration

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

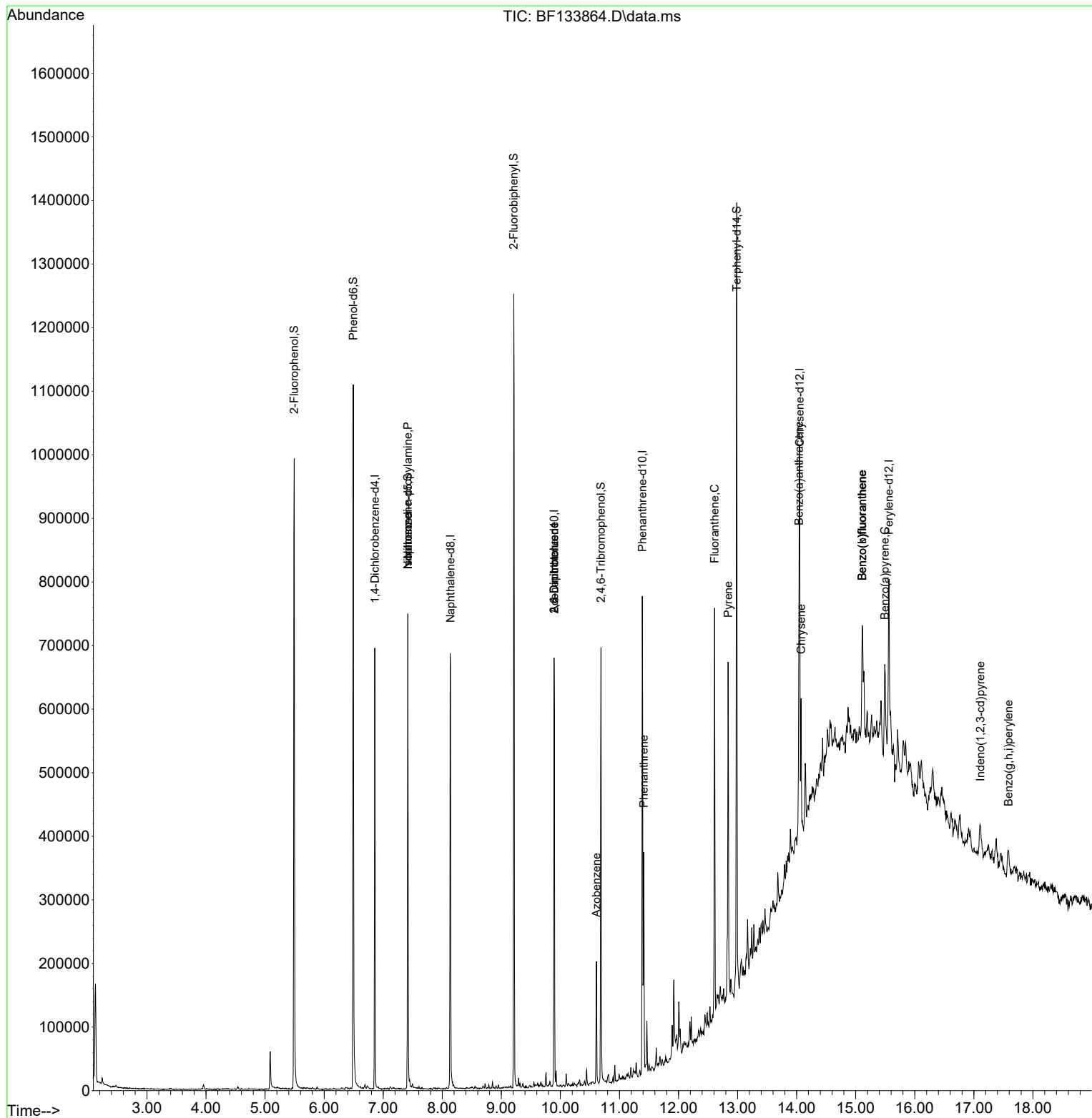
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	88264	20.000	ng	0.00
21) Naphthalene-d8	8.140	136	305145	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	128423	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	265496	20.000	ng	0.00
76) Chrysene-d12	14.051	240	180434	20.000	ng	0.00
86) Perylene-d12	15.563	264	134449	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	265651	52.396	ng	0.00
7) Phenol-d6	6.493	99	302054	45.770	ng	0.00
23) Nitrobenzene-d5	7.416	82	196496	35.073	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	73696	45.334	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	368845	40.827	ng	0.00
79) Terphenyl-d14	12.986	244	423734	36.338	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	27256	6.491	ng	# 75
25) Isophorone	7.416	82	196494	19.104	ng	# 65
51) 2,6-Dinitrotoluene	9.892	165	17856	9.025	ng	# 28
57) 2,4-Dinitrotoluene	9.892	165	17856	7.096	ng	# 19
63) Azobenzene	10.610	77	28203	3.054	ng	# 1
71) Phenanthrene	11.410	178	118370	8.788	ng	98
75) Fluoranthene	12.610	202	234344	16.383	ng	100
78) Pyrene	12.839	202	214831	12.781	ng	98
81) Benzo(a)anthracene	14.039	228	94674	7.586	ng	95
83) Chrysene	14.074	228	91126	7.720	ng	95
87) Indeno(1,2,3-cd)pyrene	17.110	276	40146	4.340	ng	96
88) Benzo(b)fluoranthene	15.110	252	121340	14.857	ng	# 85
89) Benzo(k)fluoranthene	15.110	252	121340	15.252	ng	# 86
90) Benzo(a)pyrene	15.492	252	60232	7.946	ng	# 91
92) Benzo(g,h,i)perylene	17.586	276	39228	5.167	ng	# 96

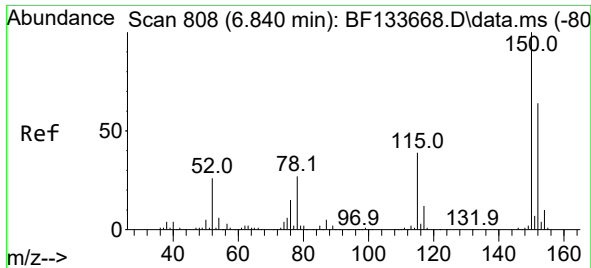
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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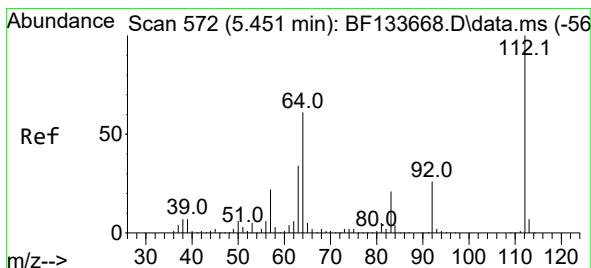
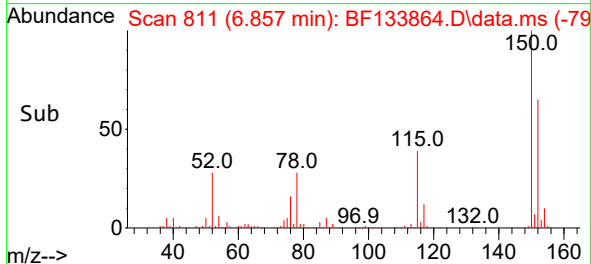
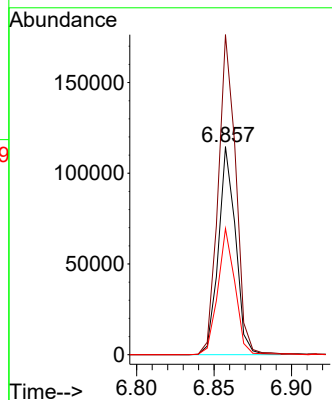
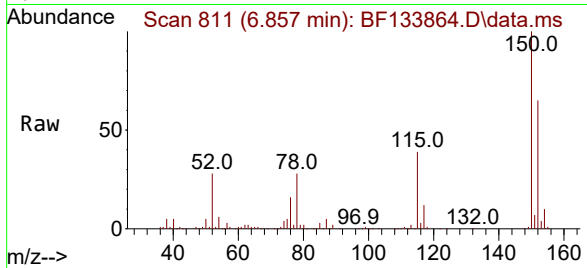




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27

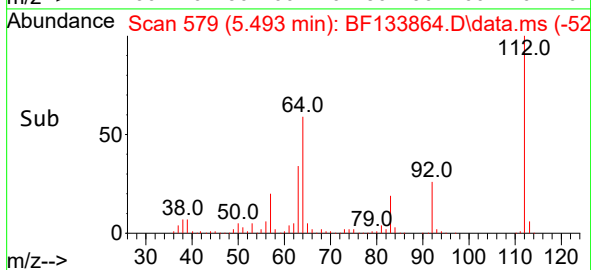
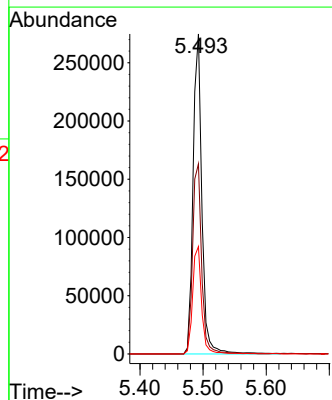
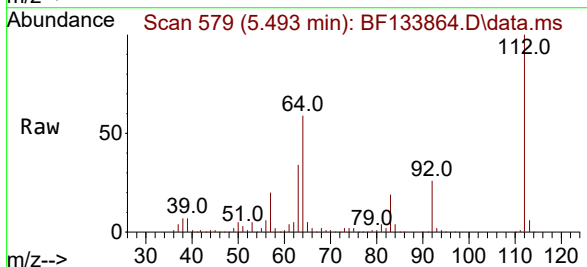
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-05RE

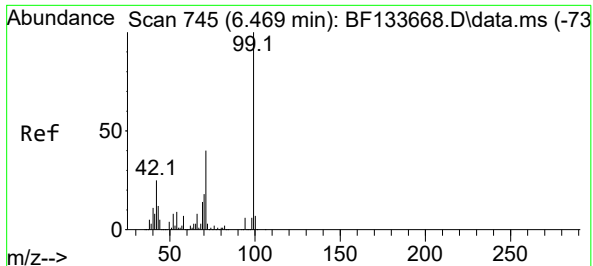
Tgt Ion:152 Resp: 88264
Ion Ratio Lower Upper
152 100
150 153.8 124.3 186.5
115 60.6 48.5 72.7



#5
2-Fluorophenol
Concen: 52.396 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27

Tgt Ion:112 Resp: 265651
Ion Ratio Lower Upper
112 100
64 59.4 49.0 73.4
63 33.6 26.8 40.2

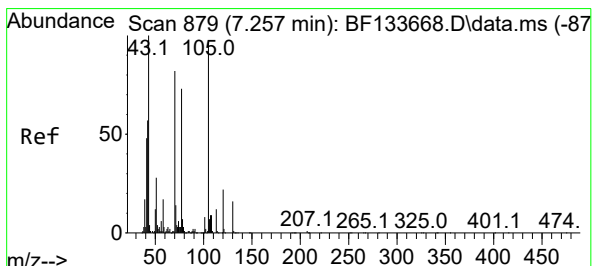
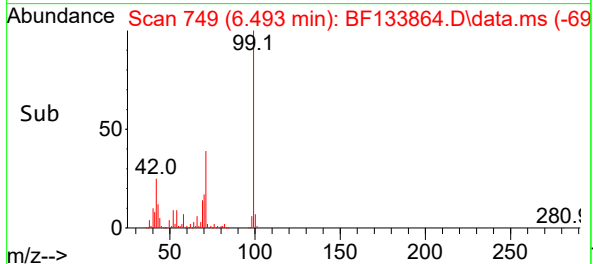
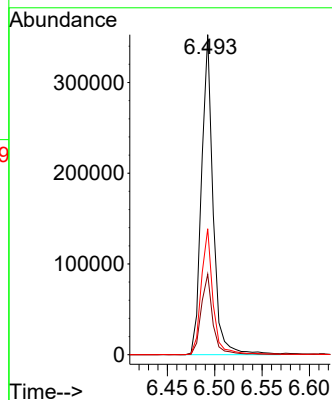
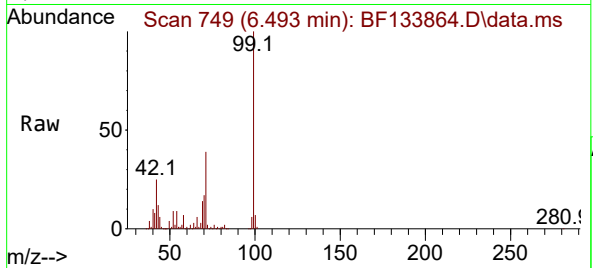




#7
Phenol-d6
Concen: 45.770 ng
RT: 6.493 min Scan# 745
Delta R.T. 0.000 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27

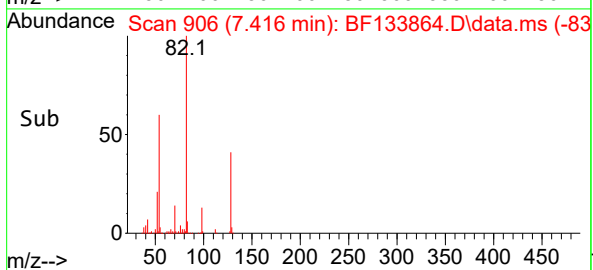
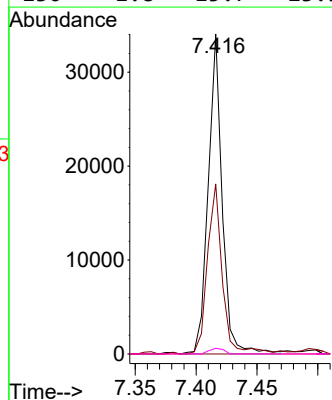
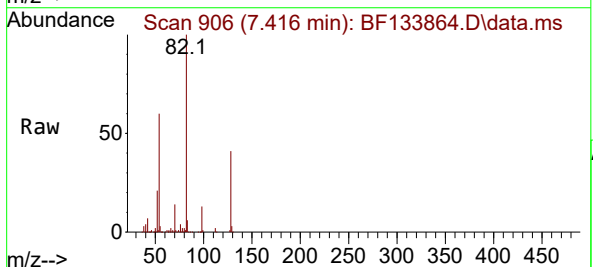
Instrument :
BNA_F
ClientSampleId :
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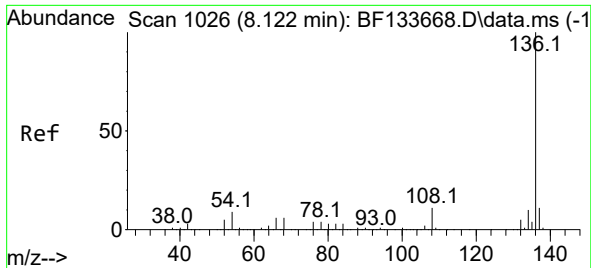
Tgt Ion: 99 Resp: 302054
Ion Ratio Lower Upper
99 100
42 25.2 19.9 29.9
71 39.4 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 6.491 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.141 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27

Tgt Ion: 70 Resp: 27256
Ion Ratio Lower Upper
70 100
42 53.1 55.8 83.8#
101 0.0 8.1 12.1#
130 1.8 15.7 23.5#

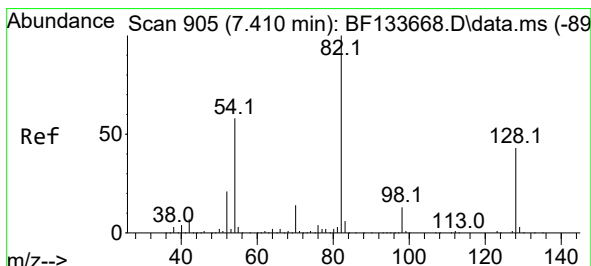
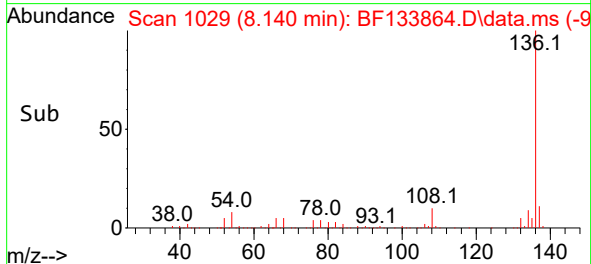
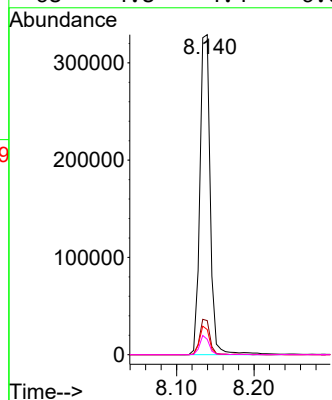
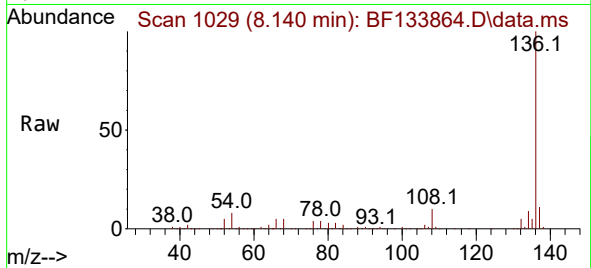




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.140 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27

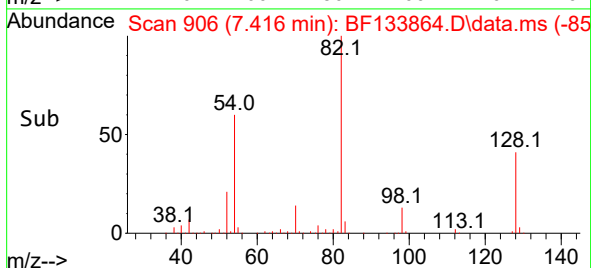
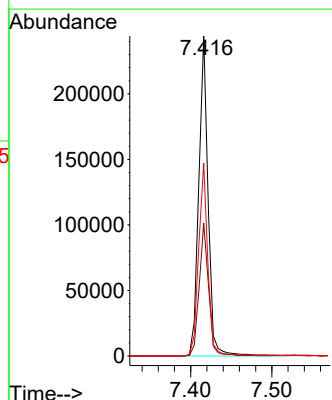
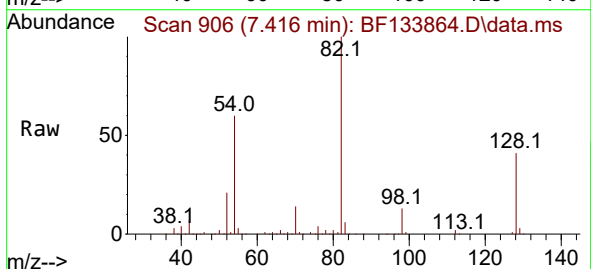
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-05RE

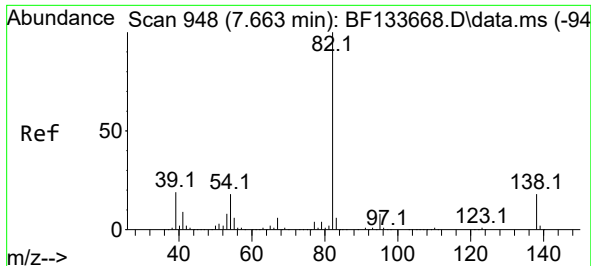
Tgt Ion:136 Resp: 305145
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 7.9 7.4 11.0
68 4.8 4.4 6.6



#23
Nitrobenzene-d5
Concen: 35.073 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27

Tgt Ion: 82 Resp: 196496
Ion Ratio Lower Upper
82 100
128 41.5 34.2 51.2
54 60.3 46.5 69.7

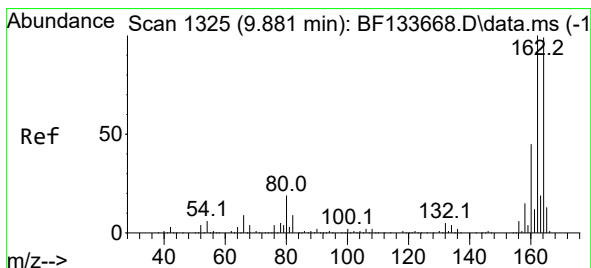
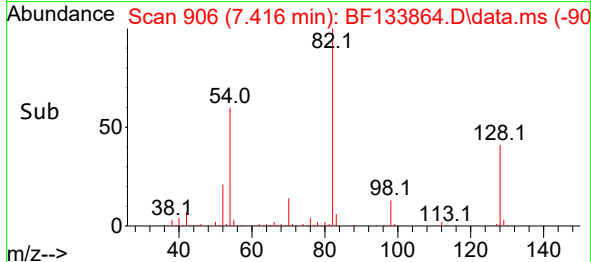
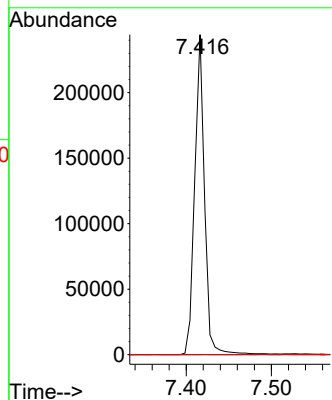
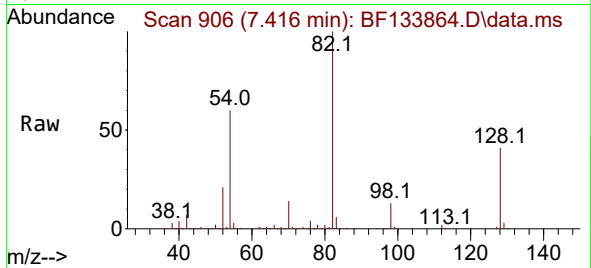




#25
Isophorone
Concen: 19.104 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.264 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27

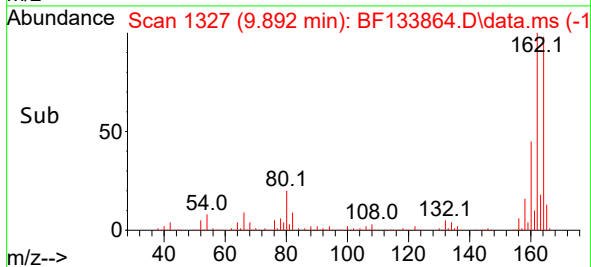
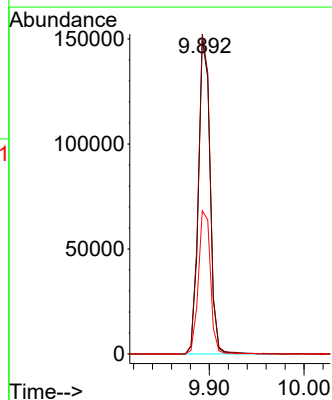
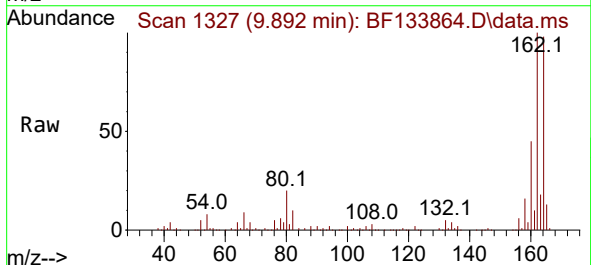
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-05RE

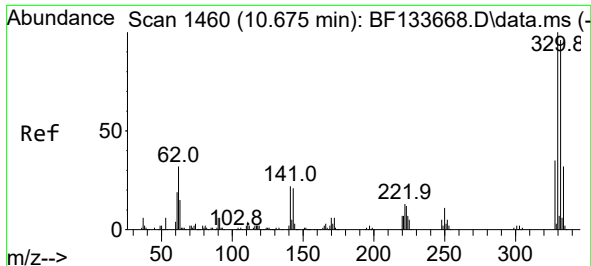
Tgt Ion: 82 Resp: 196494
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27

Tgt Ion:164 Resp: 128423
Ion Ratio Lower Upper
164 100
162 101.7 80.8 121.2
160 45.5 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 45.334 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF133864.D

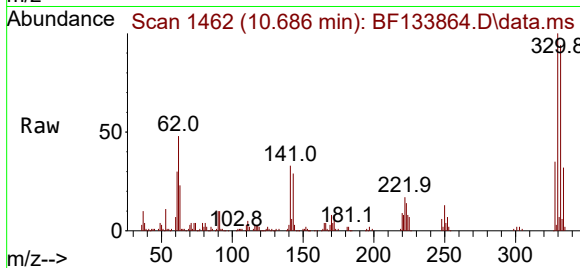
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Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-05RE



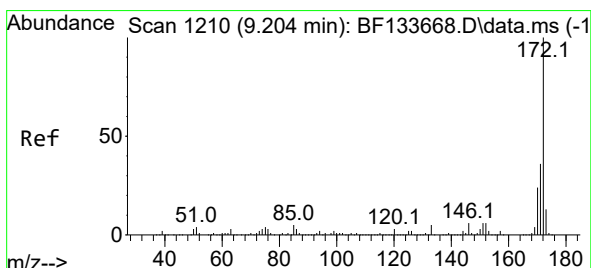
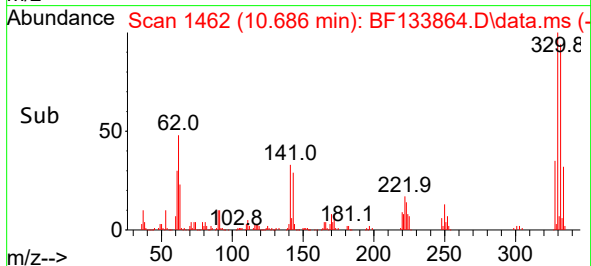
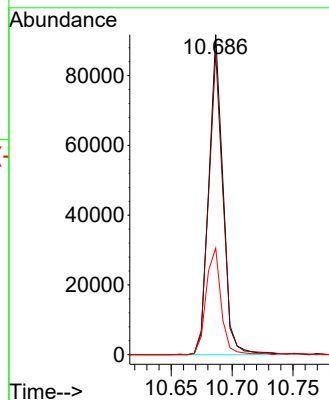
Tgt Ion:330 Resp: 73696

Ion Ratio Lower Upper

330 100

332 96.6 77.2 115.8

141 35.7 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 40.827 ng

RT: 9.210 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF133864.D

Acq: 20 Jun 2023 19:27

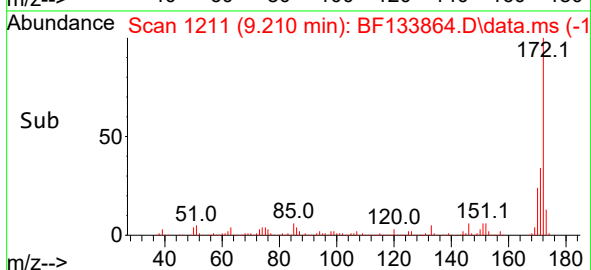
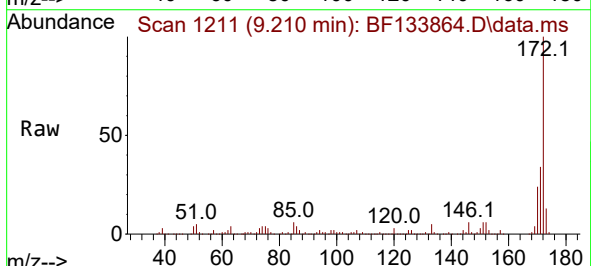
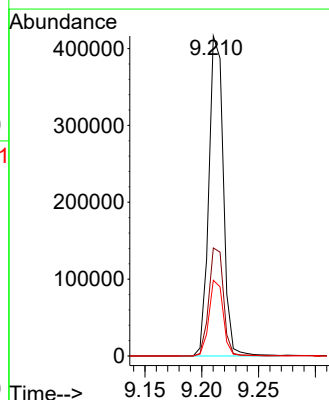
Tgt Ion:172 Resp: 368845

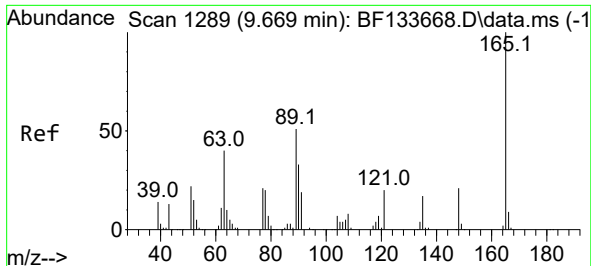
Ion Ratio Lower Upper

172 100

171 33.8 28.6 43.0

170 23.6 19.1 28.7

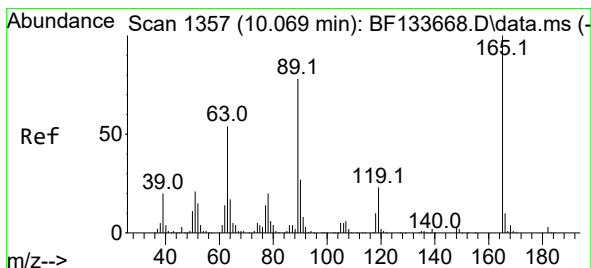
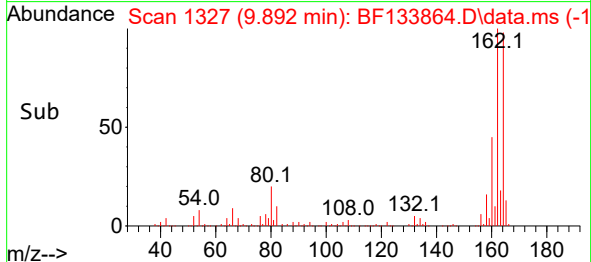
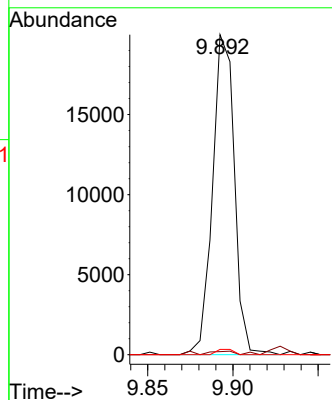
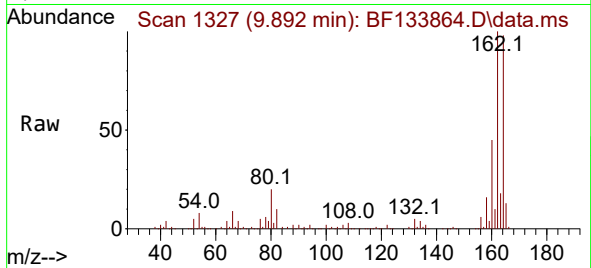




#51
2,6-Dinitrotoluene
Concen: 9.025 ng
RT: 9.892 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27

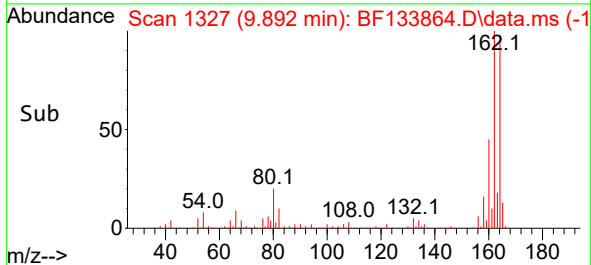
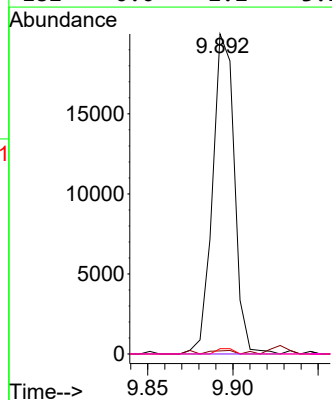
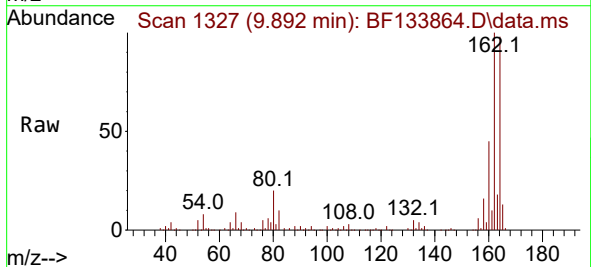
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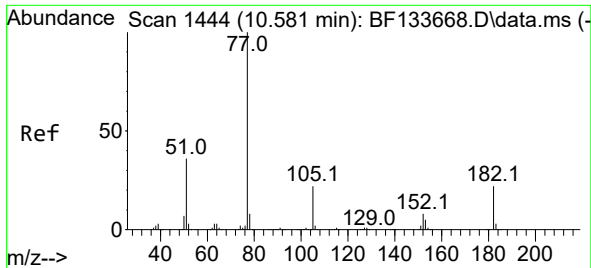
Tgt Ion:165 Resp: 17856
Ion Ratio Lower Upper
165 100
63 0.9 42.1 63.1#
89 1.6 40.9 61.3#



#57
2,4-Dinitrotoluene
Concen: 7.096 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.194 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27

Tgt Ion:165 Resp: 17856
Ion Ratio Lower Upper
165 100
63 0.9 43.0 64.6#
89 1.6 62.6 93.8#
182 0.0 2.2 3.2#

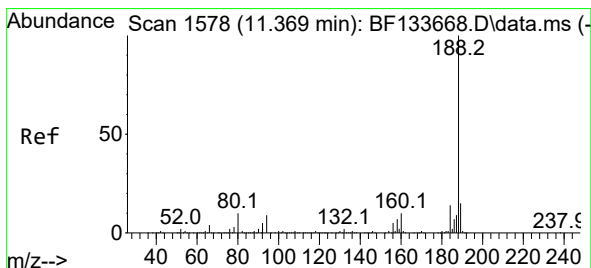
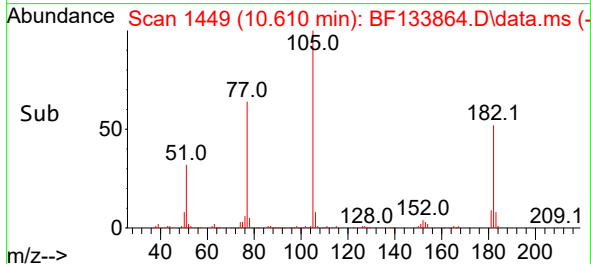
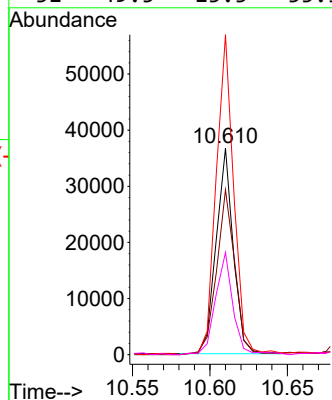
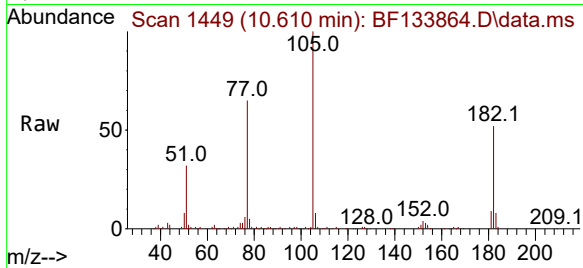




#63
Azobenzene
Concen: 3.054 ng
RT: 10.610 min Scan# 1449
Delta R.T. 0.012 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27

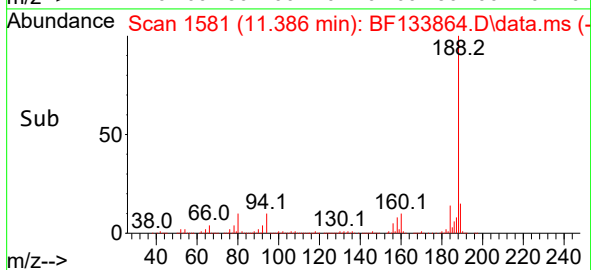
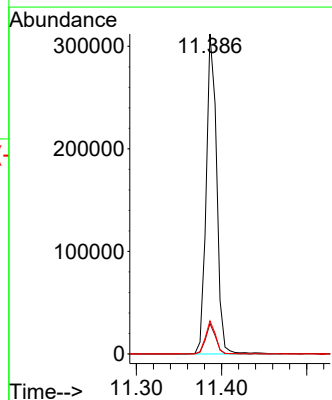
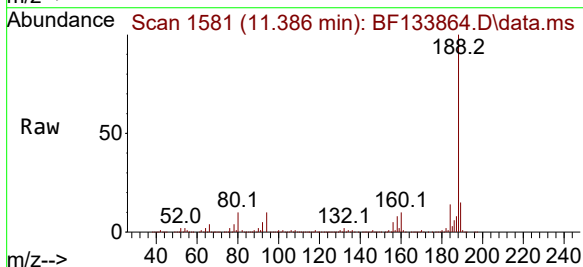
Instrument :
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ClientSampleId :
COMPOSIT-SB-05RE

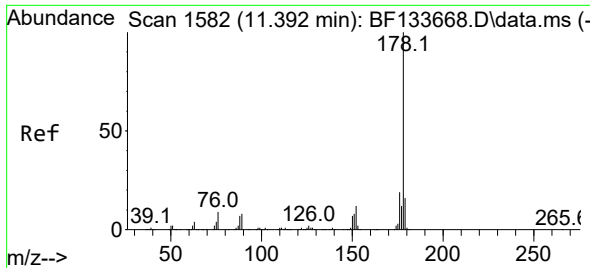
Tgt Ion: 77 Resp: 28203
Ion Ratio Lower Upper
77 100
182 79.9 1.6 41.6#
105 155.0 1.6 41.6#
51 49.5 15.5 55.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27

Tgt Ion: 188 Resp: 265496
Ion Ratio Lower Upper
188 100
94 9.5 6.8 10.2
80 10.3 7.8 11.6

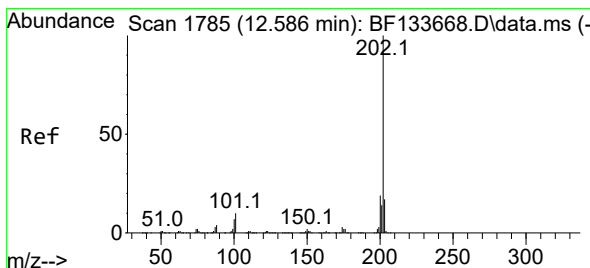
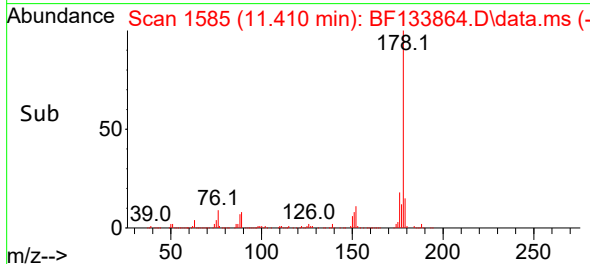
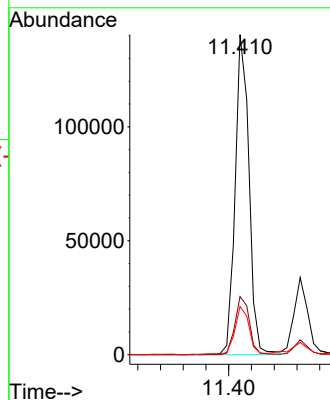
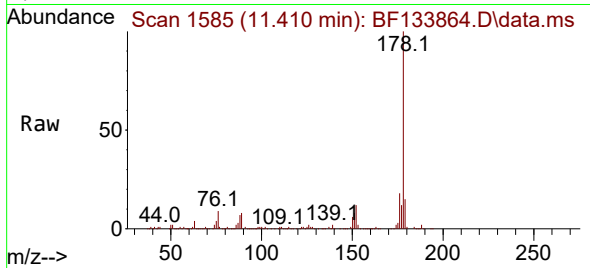




#71
Phenanthrene
Concen: 8.788 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27

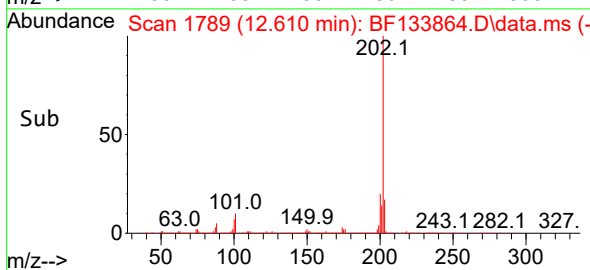
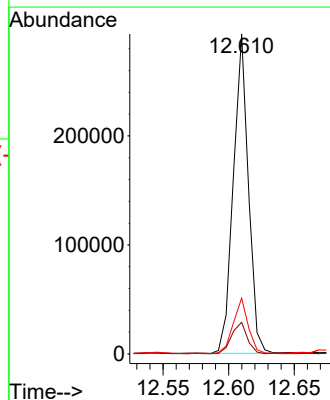
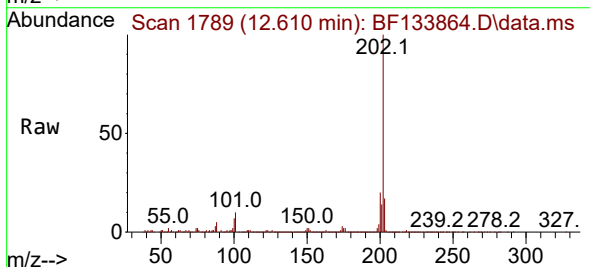
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-05RE

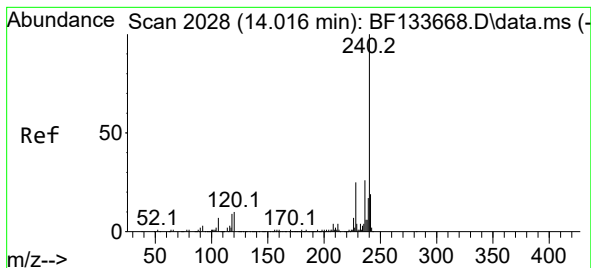
Tgt Ion:178 Resp: 118370
Ion Ratio Lower Upper
178 100
176 18.1 15.6 23.4
179 15.0 12.4 18.6



#75
Fluoranthene
Concen: 16.383 ng
RT: 12.610 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27

Tgt Ion:202 Resp: 234344
Ion Ratio Lower Upper
202 100
101 9.9 0.0 29.6
203 17.5 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF133864.D

Acq: 20 Jun 2023 19:27

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-05RE

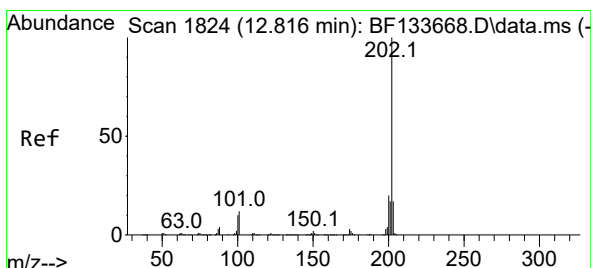
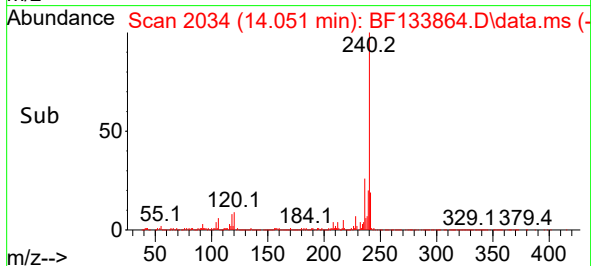
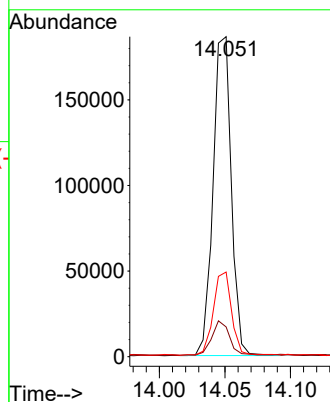
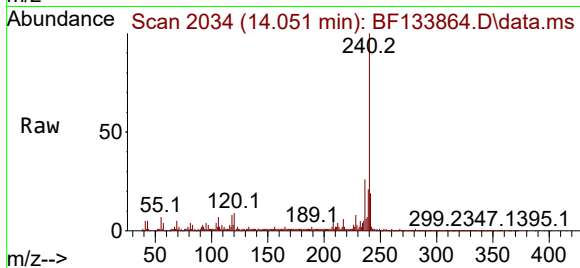
Tgt Ion:240 Resp: 180434

Ion Ratio Lower Upper

240 100

120 9.3 8.1 12.1

236 26.5 20.5 30.7



#78

Pyrene

Concen: 12.781 ng

RT: 12.839 min Scan# 1828

Delta R.T. 0.000 min

Lab File: BF133864.D

Acq: 20 Jun 2023 19:27

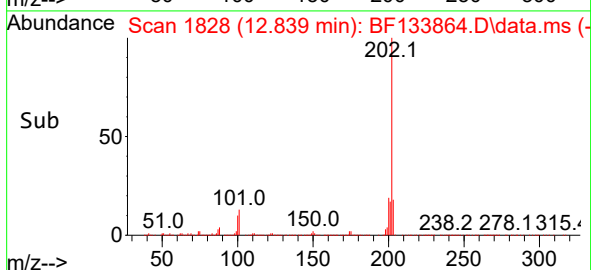
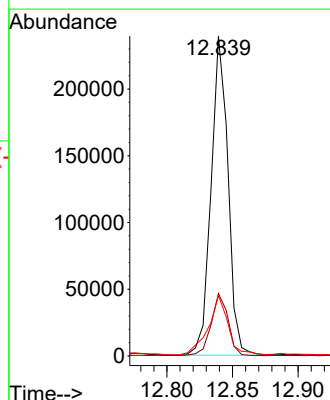
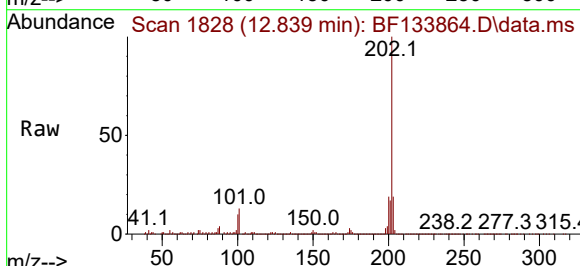
Tgt Ion:202 Resp: 214831

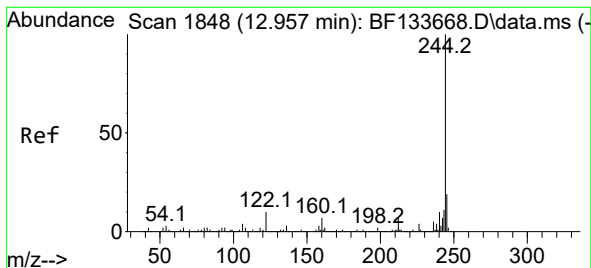
Ion Ratio Lower Upper

202 100

200 19.5 16.2 24.2

203 18.9 13.9 20.9





#79

Terphenyl-d14

Concen: 36.338 ng

RT: 12.986 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133864.D

Acq: 20 Jun 2023 19:27

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-05RE

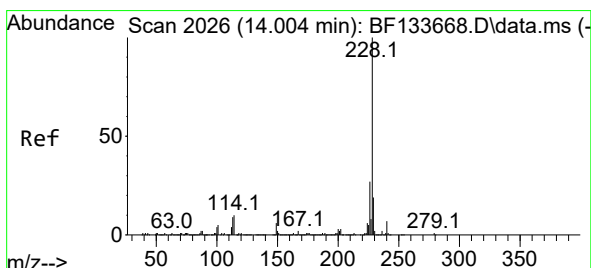
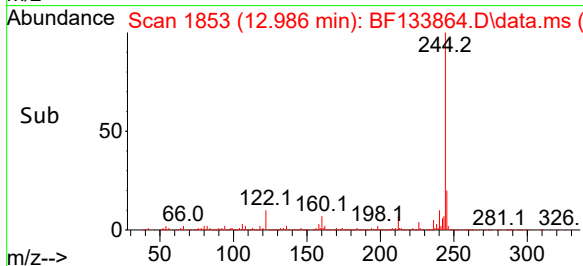
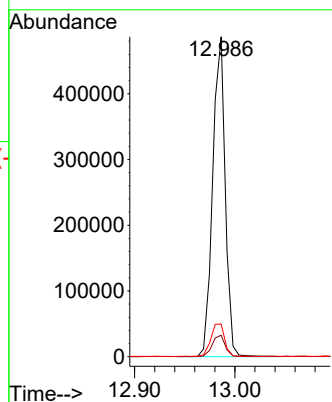
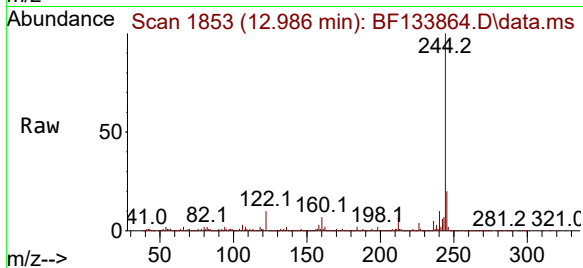
Tgt Ion:244 Resp: 423734

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

122 10.2 8.1 12.1



#81

Benzo(a)anthracene

Concen: 7.586 ng

RT: 14.039 min Scan# 2032

Delta R.T. 0.006 min

Lab File: BF133864.D

Acq: 20 Jun 2023 19:27

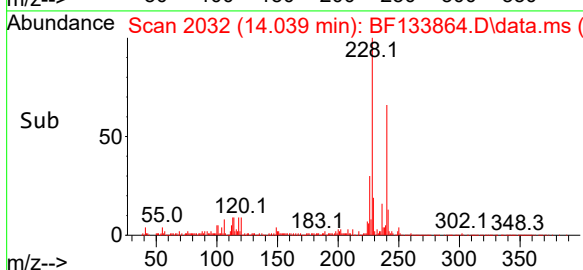
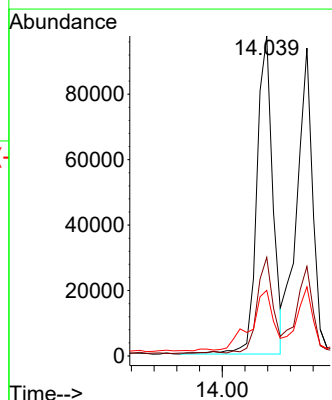
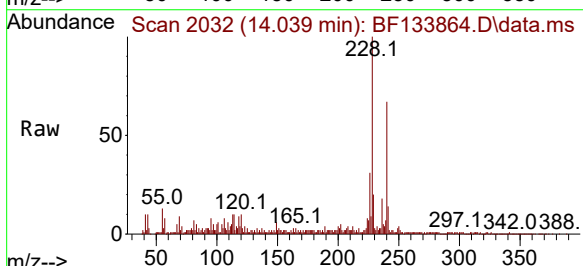
Tgt Ion:228 Resp: 94674

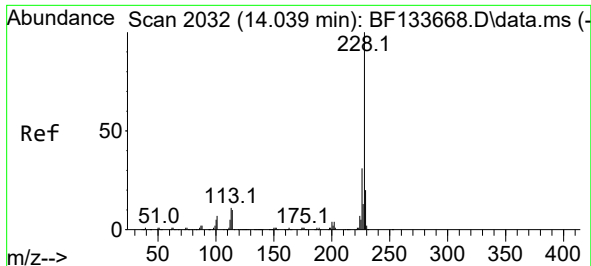
Ion Ratio Lower Upper

228 100

226 30.8 21.7 32.5

229 20.5 15.4 23.2

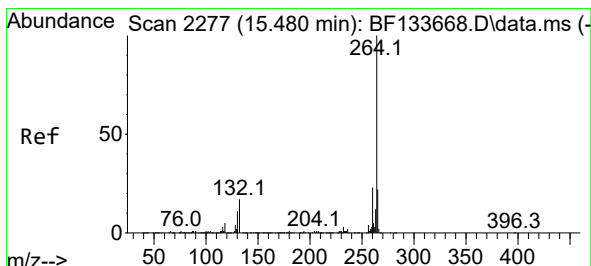
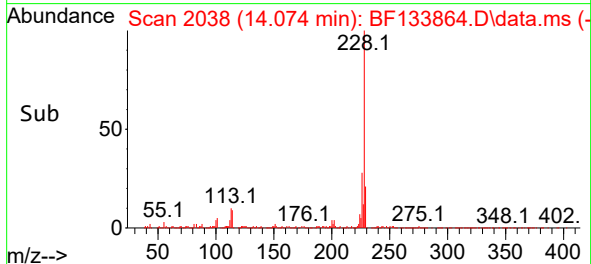
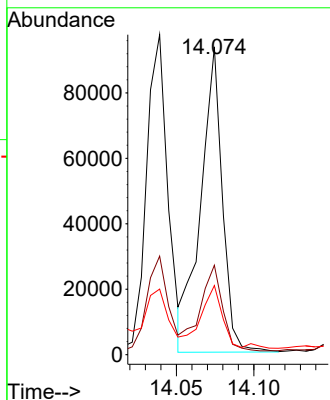
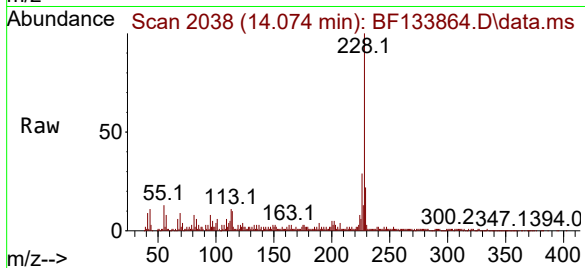




#83
Chrysene
Concen: 7.720 ng
RT: 14.074 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27

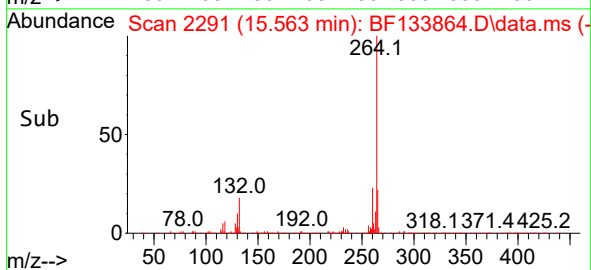
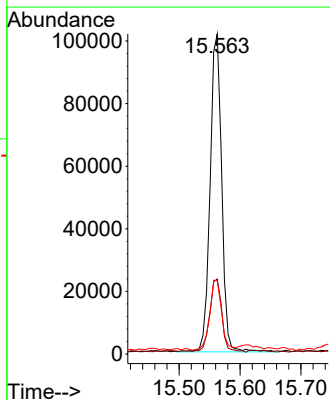
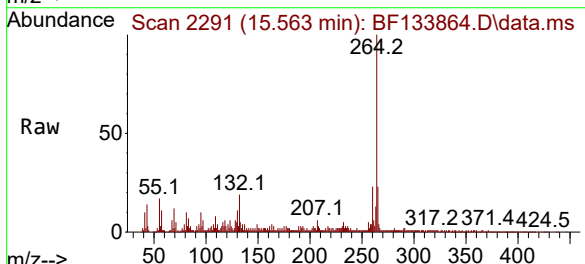
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-05RE

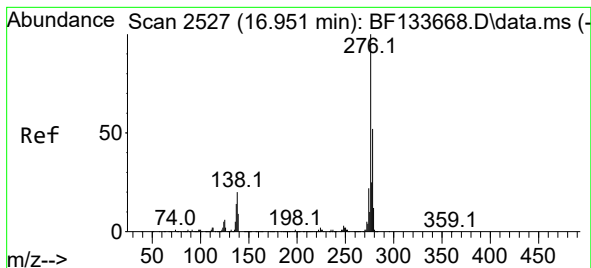
Tgt Ion:228 Resp: 91126
Ion Ratio Lower Upper
228 100
226 29.1 25.0 37.6
229 22.5 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2291
Delta R.T. 0.012 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27

Tgt Ion:264 Resp: 134449
Ion Ratio Lower Upper
264 100
260 23.5 18.2 27.2
265 22.9 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.340 ng

RT: 17.110 min Scan# 2114

Delta R.T. 0.012 min

Lab File: BF133864.D

Acq: 20 Jun 2023 19:27

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-05RE

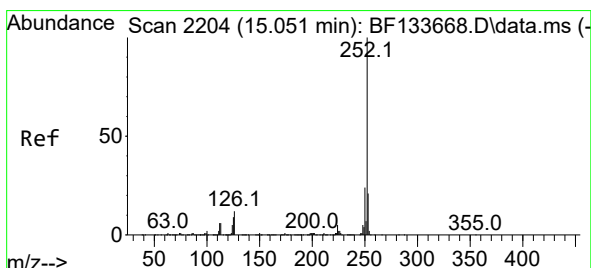
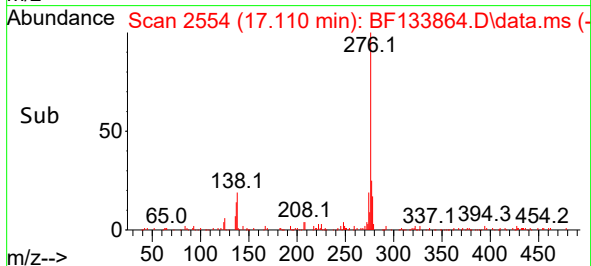
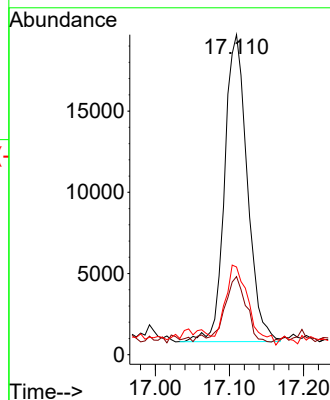
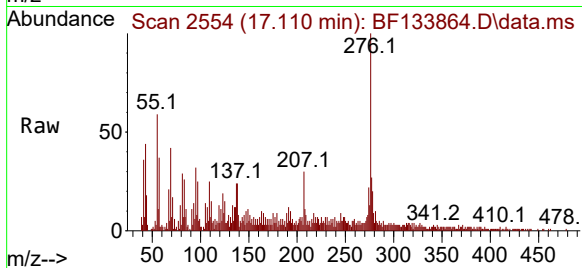
Tgt Ion:276 Resp: 40146

Ion Ratio Lower Upper

276 100

138 19.8 17.9 26.9

277 26.4 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 14.857 ng

RT: 15.110 min Scan# 2214

Delta R.T. 0.006 min

Lab File: BF133864.D

Acq: 20 Jun 2023 19:27

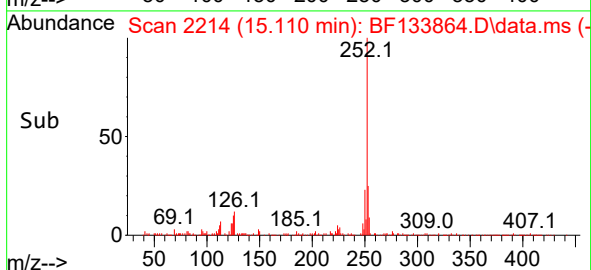
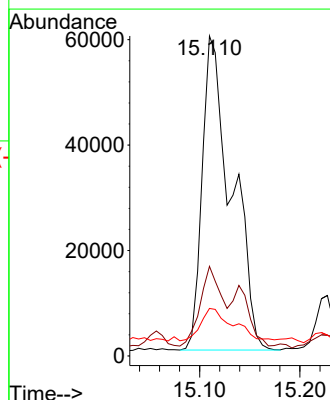
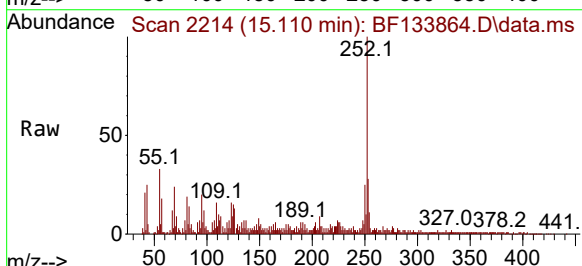
Tgt Ion:252 Resp: 121340

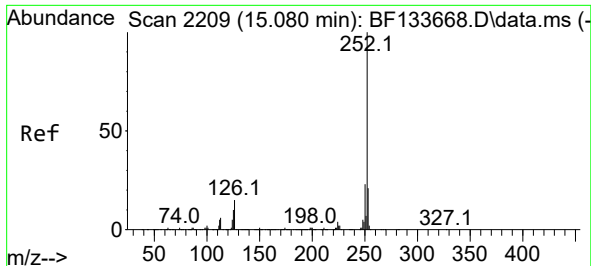
Ion Ratio Lower Upper

252 100

253 28.0 17.0 25.6#

125 14.8 7.3 10.9#

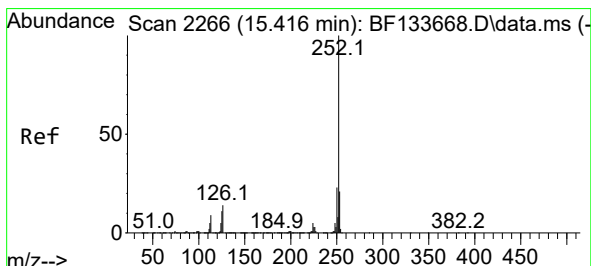
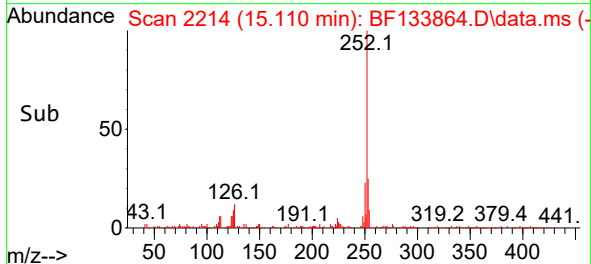
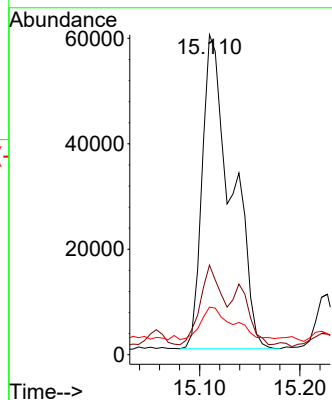
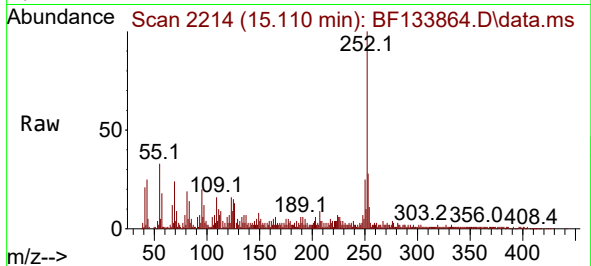




#89
Benzo(k)fluoranthene
Concen: 15.252 ng
RT: 15.110 min Scan# 211
Delta R.T. -0.023 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27

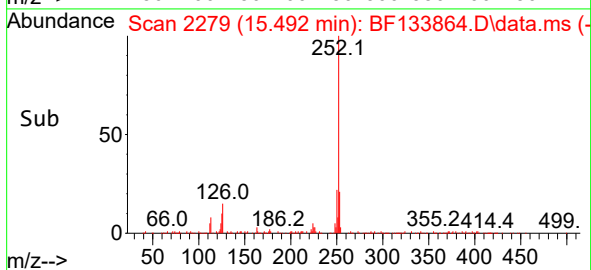
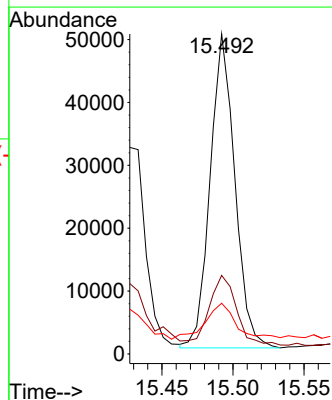
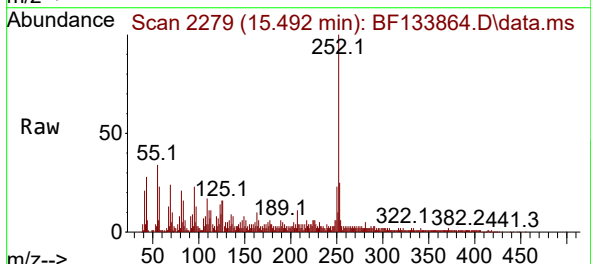
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-05RE

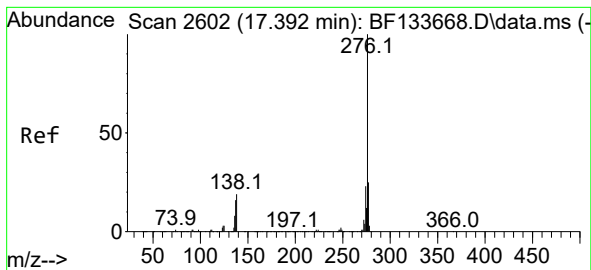
Tgt Ion:252 Resp: 121340
Ion Ratio Lower Upper
252 100
253 28.0 17.0 25.4#
125 14.8 7.8 11.6#



#90
Benzo(a)pyrene
Concen: 7.946 ng
RT: 15.492 min Scan# 2279
Delta R.T. 0.006 min
Lab File: BF133864.D
Acq: 20 Jun 2023 19:27

Tgt Ion:252 Resp: 60232
Ion Ratio Lower Upper
252 100
253 24.6 17.1 25.7
125 15.9 8.6 13.0#





#92

Benzo(g,h,i)perylene

Concen: 5.167 ng

RT: 17.586 min Scan# 2

Delta R.T. 0.012 min

Lab File: BF133864.D

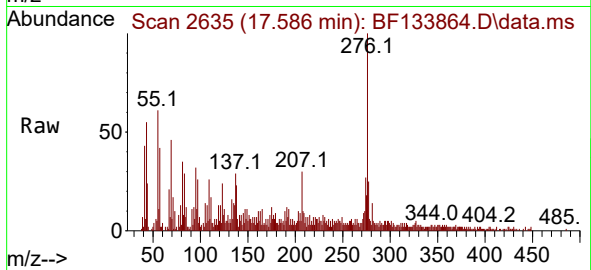
Acq: 20 Jun 2023 19:27

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-05RE



Tgt Ion:276 Resp: 39228

Ion Ratio Lower Upper

276 100

277 24.7 19.8 29.8

138 22.7 15.0 22.4#

