

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
 Data File : BF133856.D
 Acq On : 20 Jun 2023 15:02
 Operator : CG\JU
 Sample : 03223-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-04

Quant Time: Jun 21 00:12:19 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)

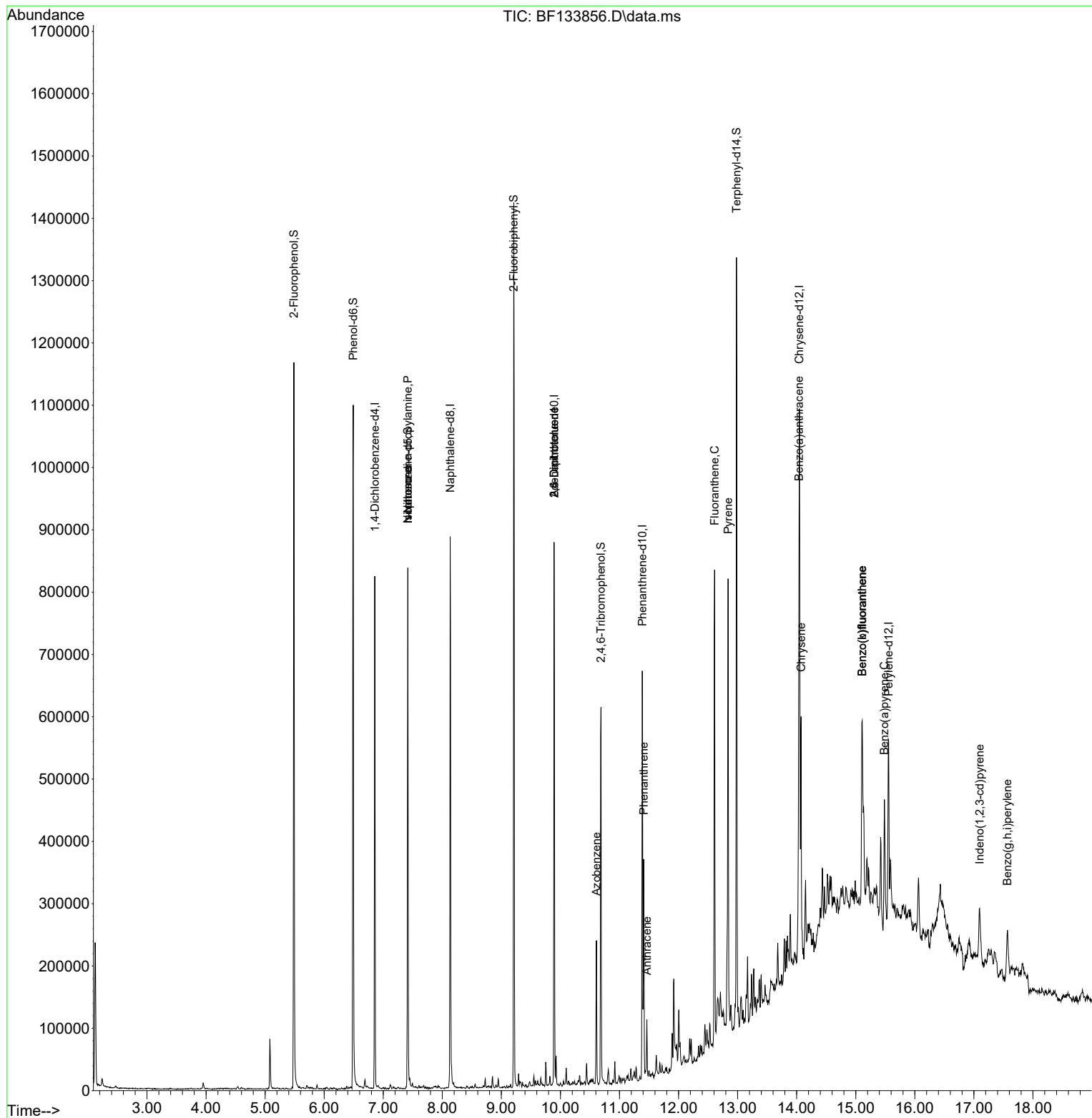
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	105988	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	375538	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	157713	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	231546	20.000	ng	0.00
76) Chrysene-d12	14.045	240	228660	20.000	ng	0.00
86) Perylene-d12	15.557	264	149864	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	285199	46.845	ng	0.00
7) Phenol-d6	6.492	99	336973	42.522	ng	0.00
23) Nitrobenzene-d5	7.416	82	227551	33.003	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	67385	33.754	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	401727	36.209	ng	0.00
79) Terphenyl-d14	12.980	244	408461	27.641	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	31477	6.243	ng	# 78
25) Isophorone	7.416	82	227546	17.976	ng	# 65
51) 2,6-Dinitrotoluene	9.892	165	20519	8.445	ng	# 28
57) 2,4-Dinitrotoluene	9.892	165	20520	6.640	ng	# 20
63) Azobenzene	10.610	77	37037	3.265	ng	# 1
71) Phenanthrene	11.410	178	116289	9.899	ng	99
72) Anthracene	11.463	178	31902	2.604	ng	99
75) Fluoranthene	12.610	202	308637	24.740	ng	99
78) Pyrene	12.839	202	286579	13.454	ng	99
81) Benzo(a)anthracene	14.039	228	171157	10.821	ng	95
83) Chrysene	14.074	228	159430	10.657	ng	97
87) Indeno(1,2,3-cd)pyrene	17.098	276	60777	5.895	ng	99
88) Benzo(b)fluoranthene	15.110	252	231626	25.443	ng	96
89) Benzo(k)fluoranthene	15.110	252	231734	26.132	ng	96
90) Benzo(a)pyrene	15.486	252	96707	11.446	ng	94
92) Benzo(g,h,i)perylene	17.568	276	57293	6.770	ng	96

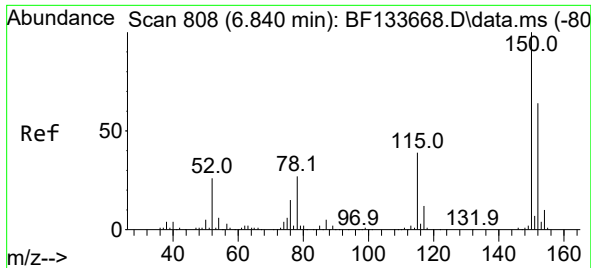
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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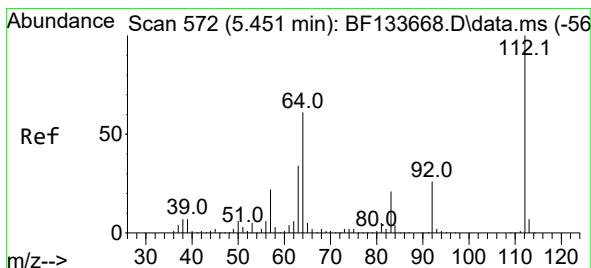
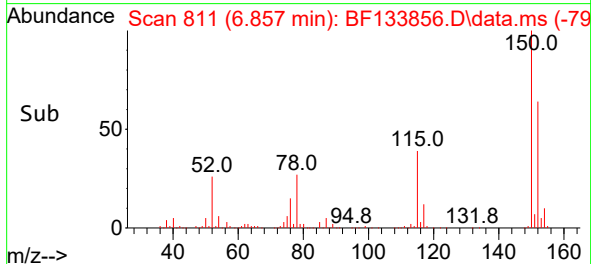
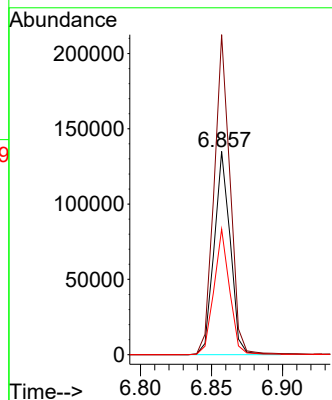
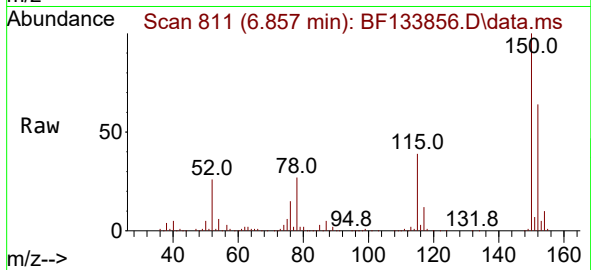




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.857 min Scan# 811
 Delta R.T. 0.000 min
 Lab File: BF133856.D
 Acq: 20 Jun 2023 15:02

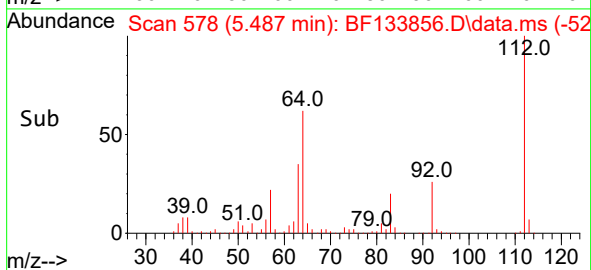
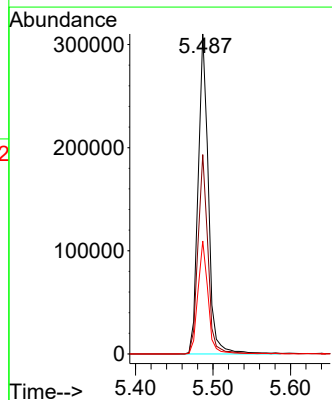
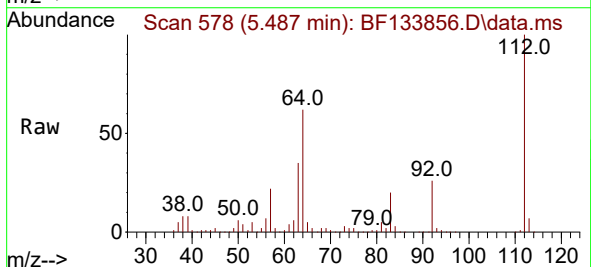
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-04

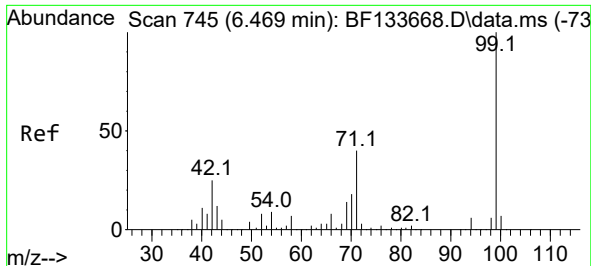
Tgt Ion:152 Resp: 105988
 Ion Ratio Lower Upper
 152 100
 150 157.4 124.3 186.5
 115 61.8 48.5 72.7



#5
 2-Fluorophenol
 Concen: 46.845 ng
 RT: 5.487 min Scan# 578
 Delta R.T. 0.000 min
 Lab File: BF133856.D
 Acq: 20 Jun 2023 15:02

Tgt Ion:112 Resp: 285199
 Ion Ratio Lower Upper
 112 100
 64 62.3 49.0 73.4
 63 35.3 26.8 40.2

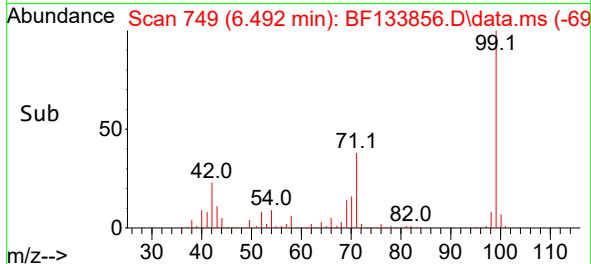
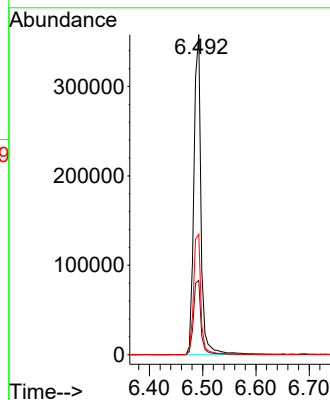
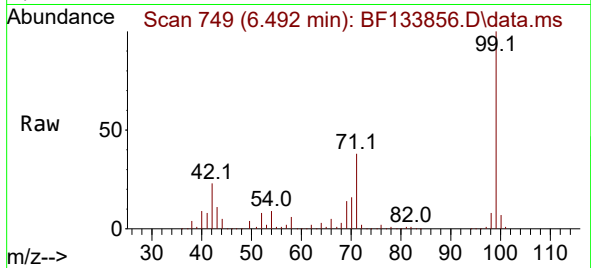




#7
Phenol-d6
Concen: 42.522 ng
RT: 6.492 min Scan# 745
Delta R.T. 0.000 min
Lab File: BF133856.D
Acq: 20 Jun 2023 15:02

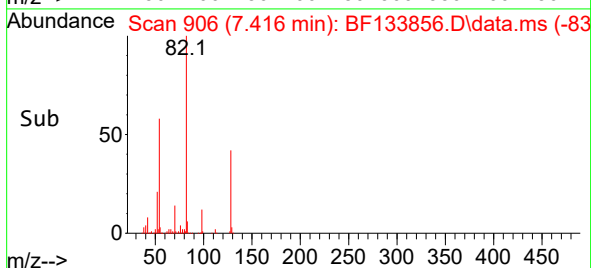
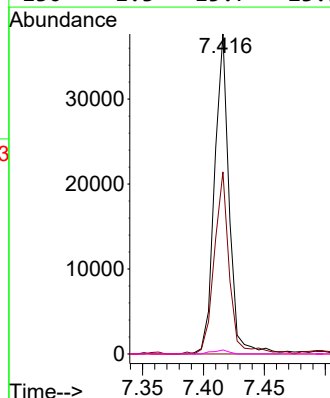
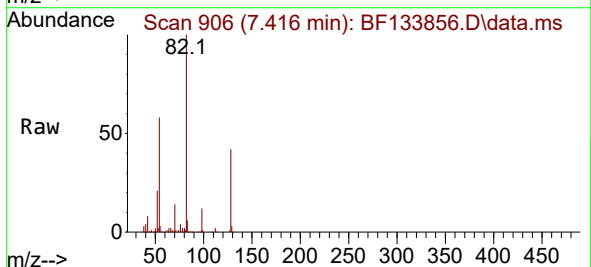
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-04

Tgt Ion: 99 Resp: 336973
Ion Ratio Lower Upper
99 100
42 23.2 19.9 29.9
71 37.7 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 6.243 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.141 min
Lab File: BF133856.D
Acq: 20 Jun 2023 15:02

Tgt Ion: 70 Resp: 31477
Ion Ratio Lower Upper
70 100
42 56.9 55.8 83.8
101 0.0 8.1 12.1#
130 1.3 15.7 23.5#

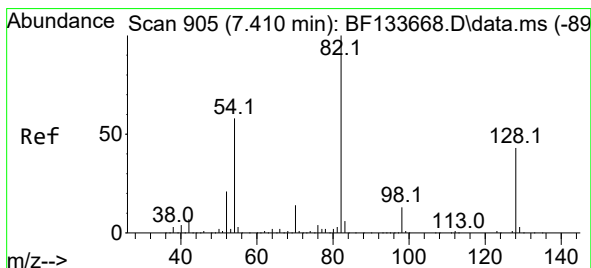
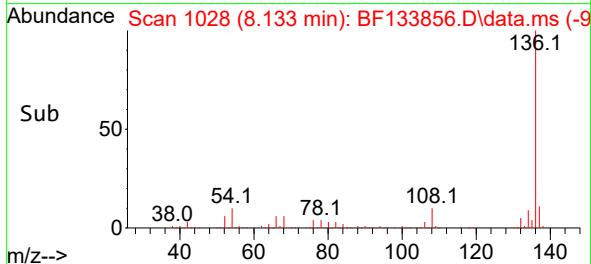
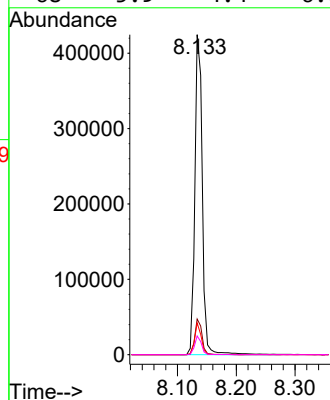
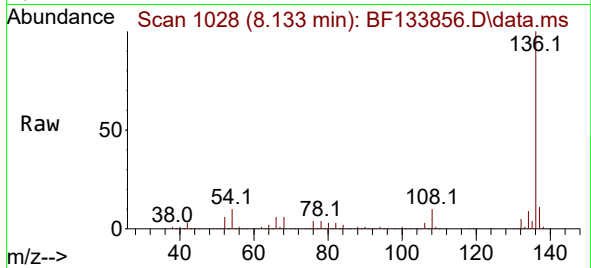




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF133856.D
Acq: 20 Jun 2023 15:02

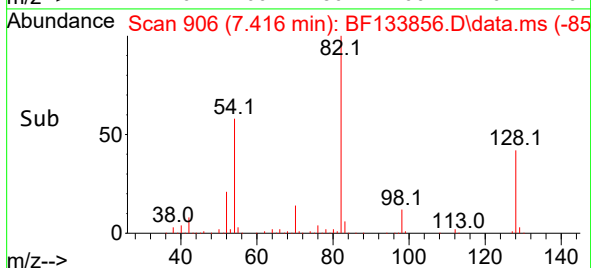
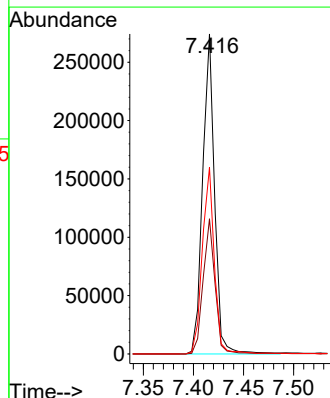
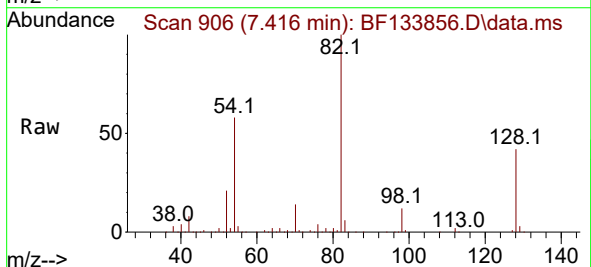
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-04

Tgt Ion:136 Resp: 375538
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 9.9 7.4 11.0
68 5.9 4.4 6.6



#23
Nitrobenzene-d5
Concen: 33.003 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF133856.D
Acq: 20 Jun 2023 15:02

Tgt Ion: 82 Resp: 227551
Ion Ratio Lower Upper
82 100
128 42.2 34.2 51.2
54 58.3 46.5 69.7

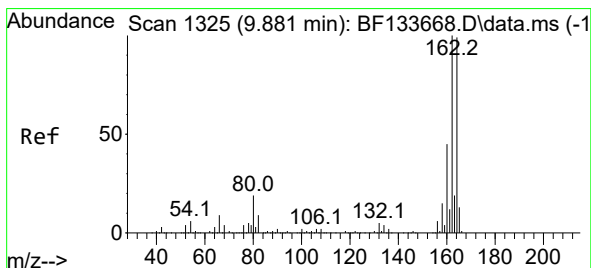
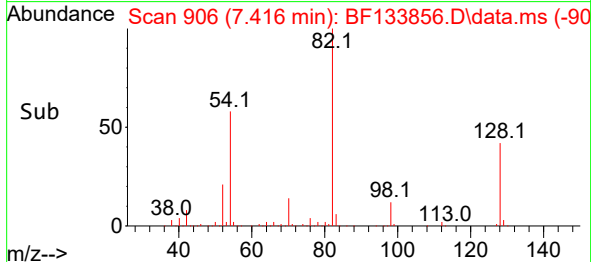
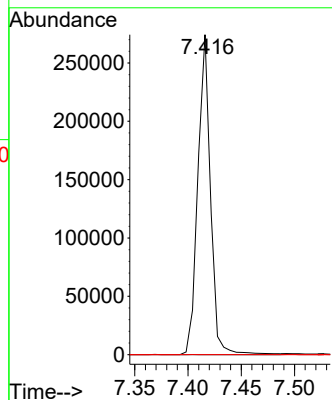
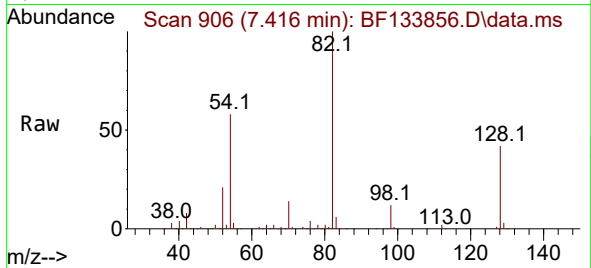




#25
Isophorone
Concen: 17.976 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.265 min
Lab File: BF133856.D
Acq: 20 Jun 2023 15:02

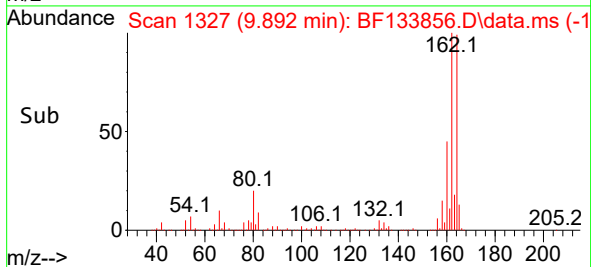
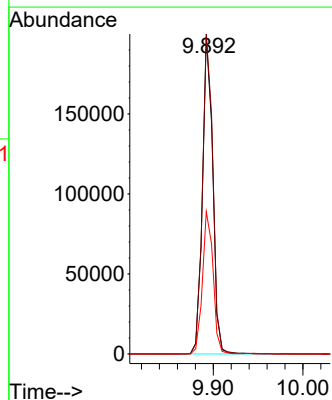
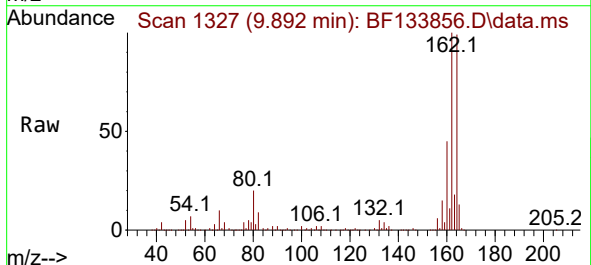
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-04

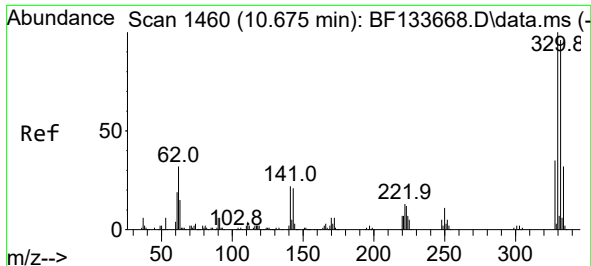
Tgt Ion: 82 Resp: 227546
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF133856.D
Acq: 20 Jun 2023 15:02

Tgt Ion: 164 Resp: 157713
Ion Ratio Lower Upper
164 100
162 100.8 80.8 121.2
160 44.9 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 33.754 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF133856.D

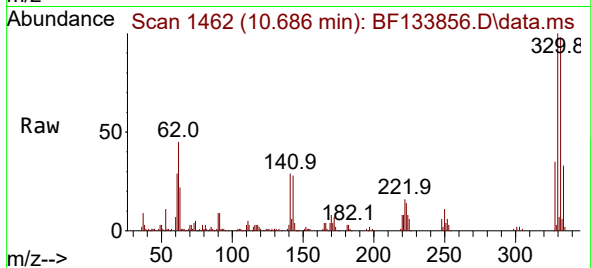
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Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-04



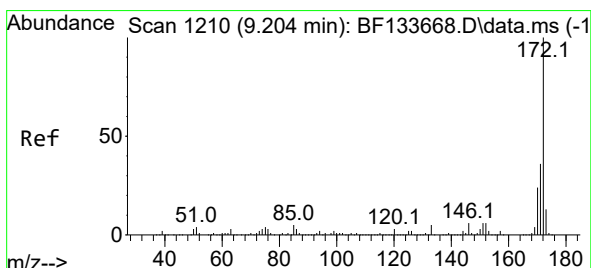
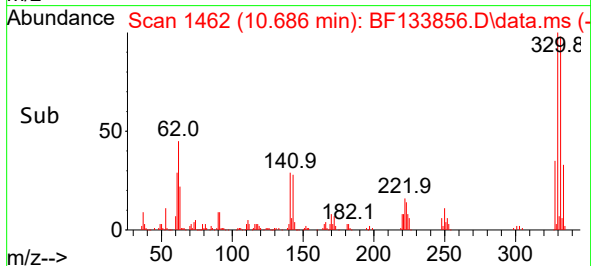
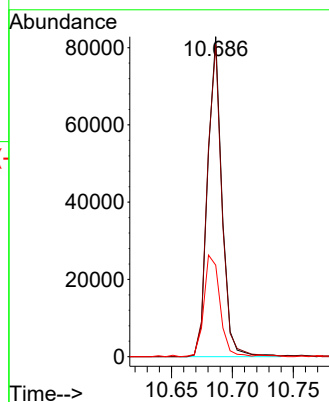
Tgt Ion:330 Resp: 67385

Ion Ratio Lower Upper

330 100

332 99.7 77.2 115.8

141 35.8 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 36.209 ng

RT: 9.210 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF133856.D

Acq: 20 Jun 2023 15:02

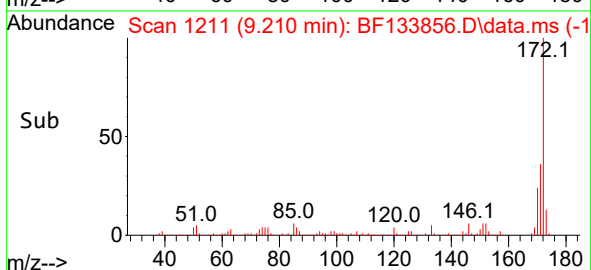
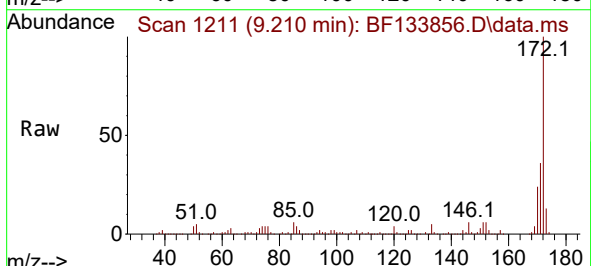
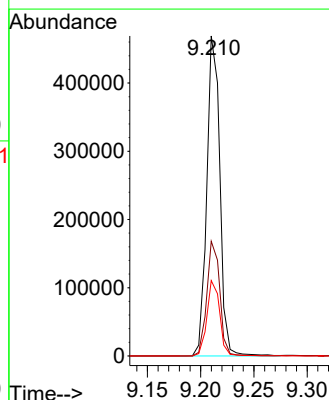
Tgt Ion:172 Resp: 401727

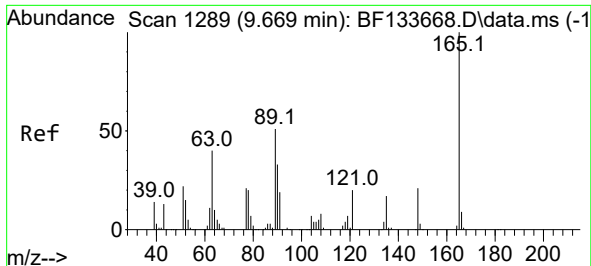
Ion Ratio Lower Upper

172 100

171 35.8 28.6 43.0

170 23.5 19.1 28.7

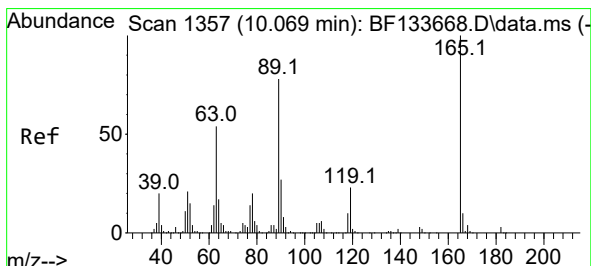
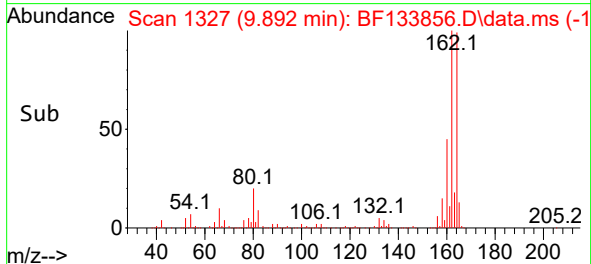
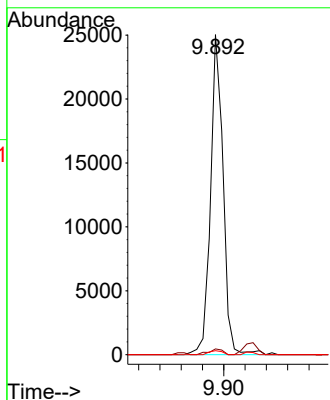
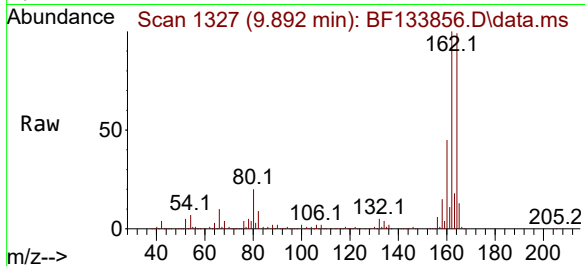




#51
2,6-Dinitrotoluene
Concen: 8.445 ng
RT: 9.892 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF133856.D
Acq: 20 Jun 2023 15:02

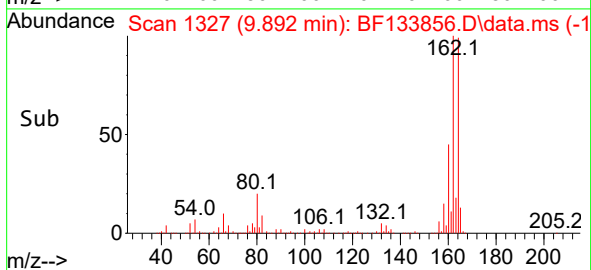
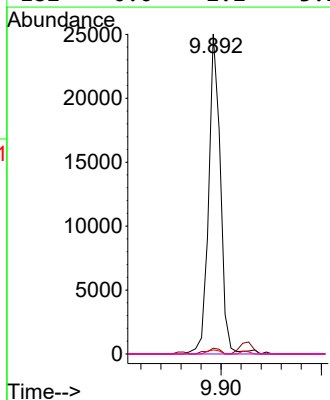
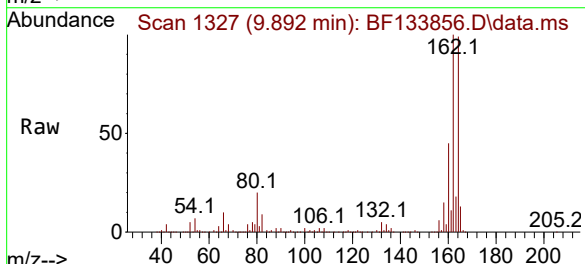
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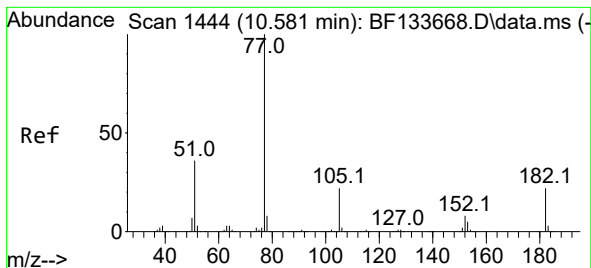
Tgt Ion:165 Resp: 20519
Ion Ratio Lower Upper
165 100
63 1.8 42.1 63.1#
89 1.3 40.9 61.3#



#57
2,4-Dinitrotoluene
Concen: 6.640 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.194 min
Lab File: BF133856.D
Acq: 20 Jun 2023 15:02

Tgt Ion:165 Resp: 20520
Ion Ratio Lower Upper
165 100
63 1.8 43.0 64.6#
89 1.3 62.6 93.8#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 3.265 ng

RT: 10.610 min Scan# 1449

Delta R.T. 0.012 min

Lab File: BF133856.D

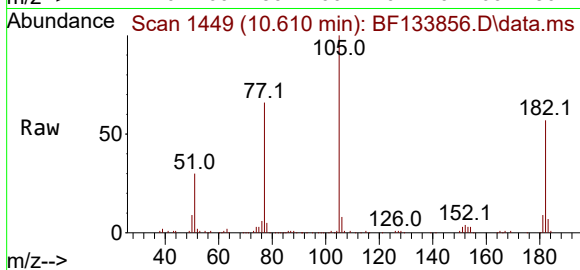
Acq: 20 Jun 2023 15:02

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-04



Tgt Ion: 77 Resp: 37037

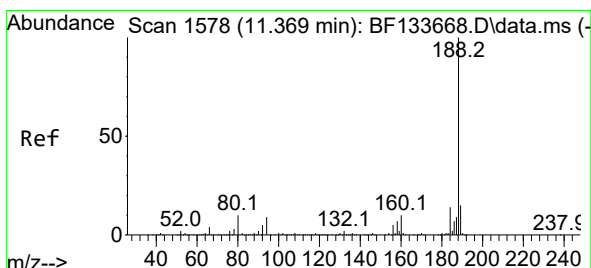
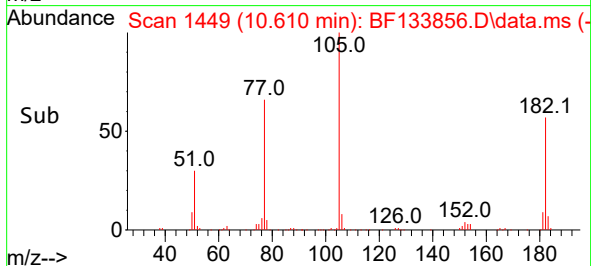
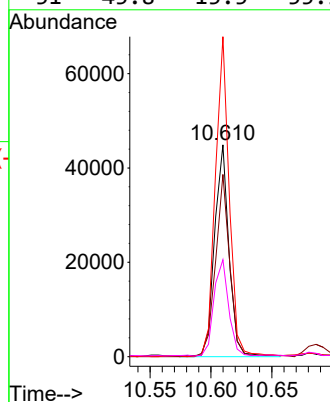
Ion Ratio Lower Upper

77 100

182 86.0 1.6 41.6#

105 151.1 1.6 41.6#

51 45.8 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: BF133856.D

Acq: 20 Jun 2023 15:02

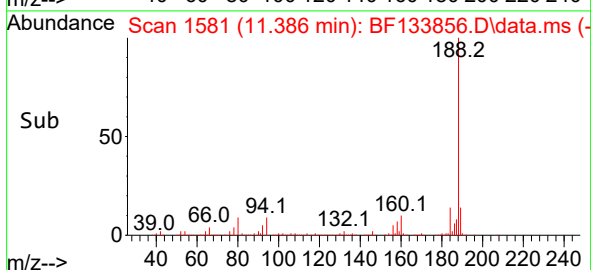
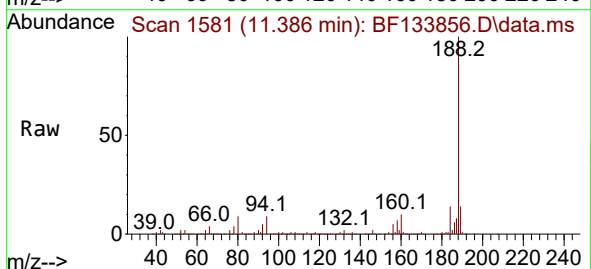
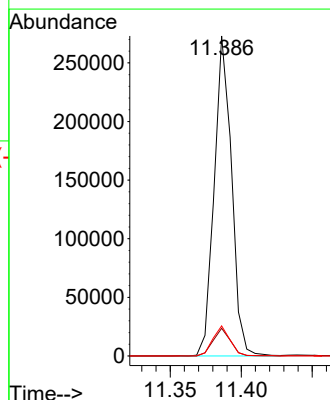
Tgt Ion: 188 Resp: 231546

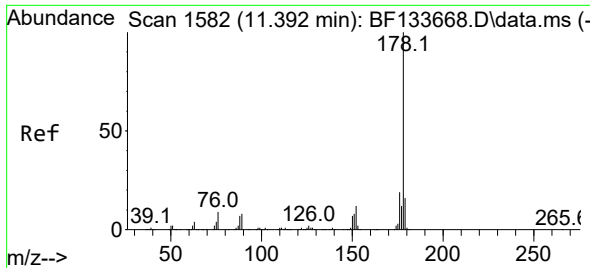
Ion Ratio Lower Upper

188 100

94 8.6 6.8 10.2

80 9.4 7.8 11.6

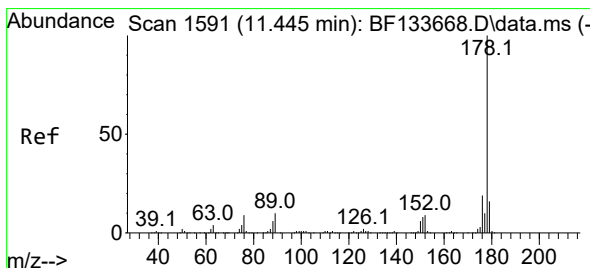
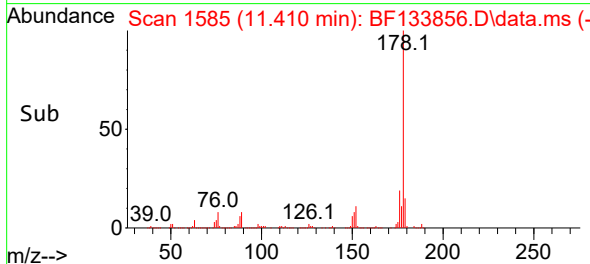
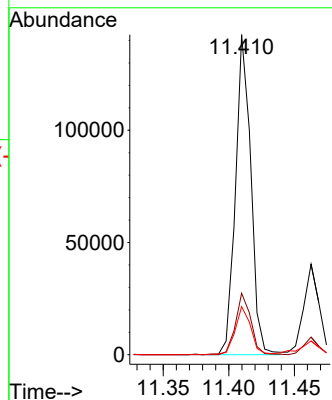
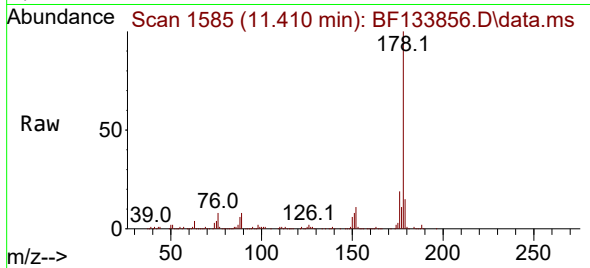




#71
Phenanthrene
Concen: 9.899 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF133856.D
Acq: 20 Jun 2023 15:02

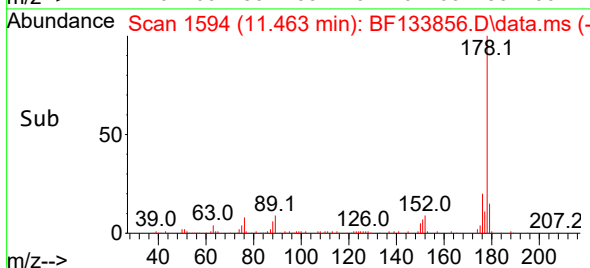
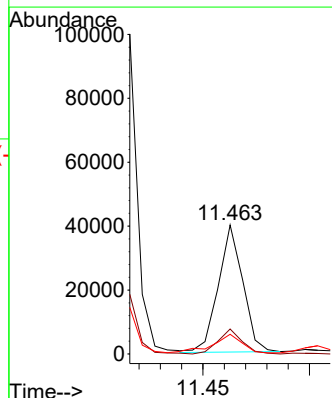
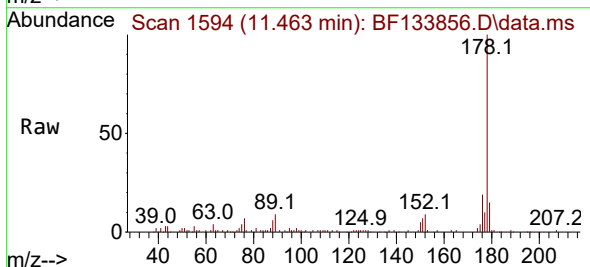
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-04

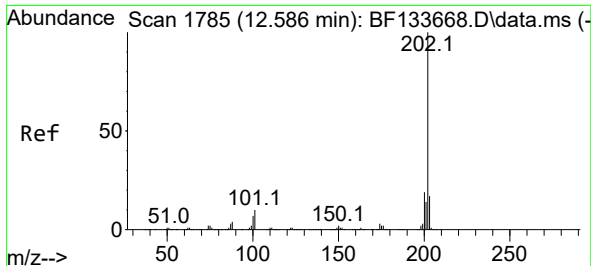
Tgt Ion:178 Resp: 116289
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.0 12.4 18.6



#72
Anthracene
Concen: 2.604 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF133856.D
Acq: 20 Jun 2023 15:02

Tgt Ion:178 Resp: 31902
Ion Ratio Lower Upper
178 100
176 19.4 15.1 22.7
179 15.3 12.6 18.8

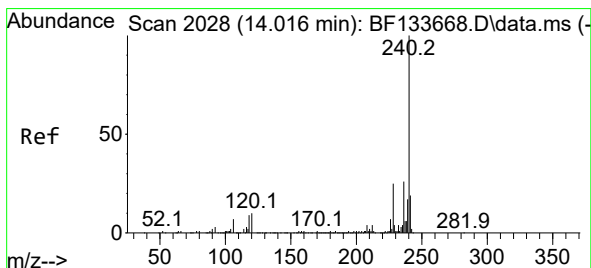
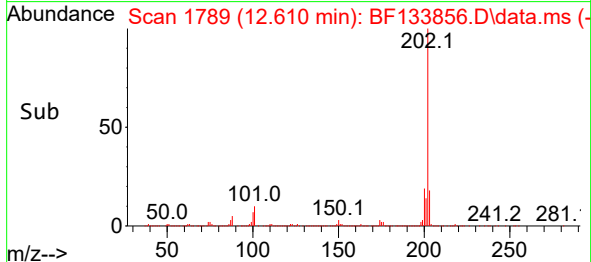
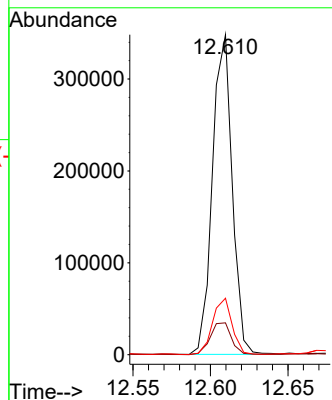
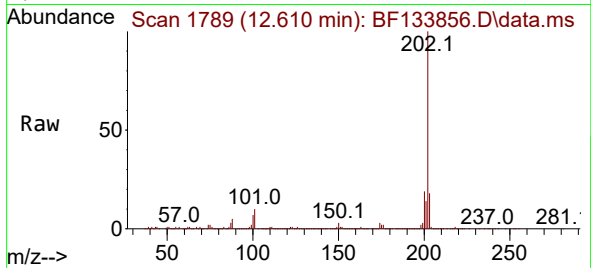




#75
Fluoranthene
Concen: 24.740 ng
RT: 12.610 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133856.D
Acq: 20 Jun 2023 15:02

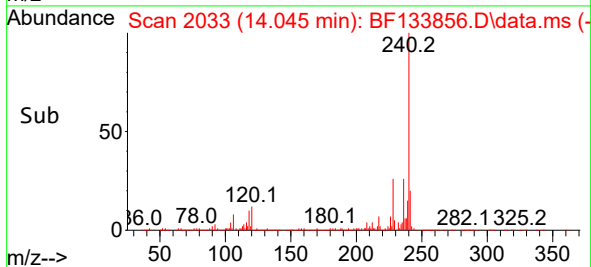
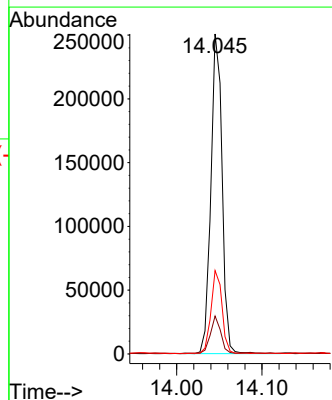
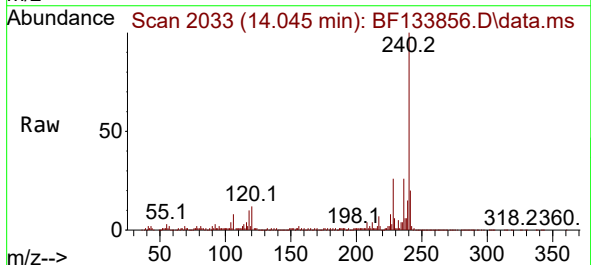
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-04

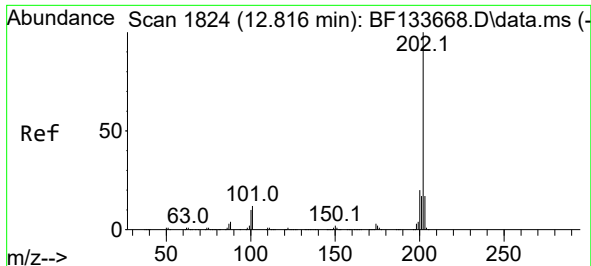
Tgt Ion:202 Resp: 308637
Ion Ratio Lower Upper
202 100
101 9.9 0.0 29.6
203 17.6 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF133856.D
Acq: 20 Jun 2023 15:02

Tgt Ion:240 Resp: 228660
Ion Ratio Lower Upper
240 100
120 11.9 8.1 12.1
236 26.0 20.5 30.7

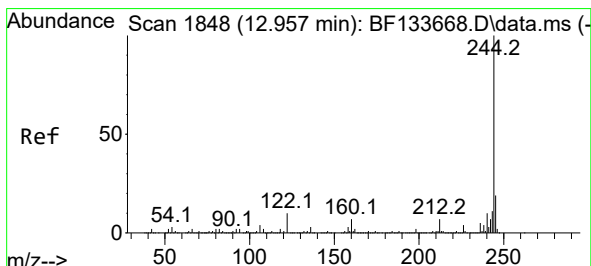
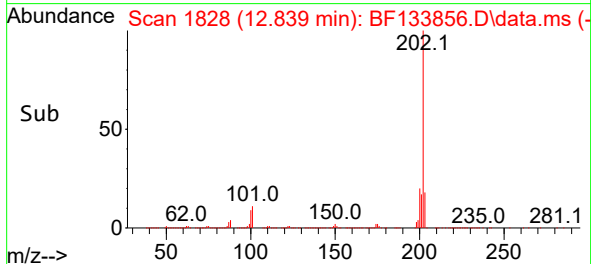
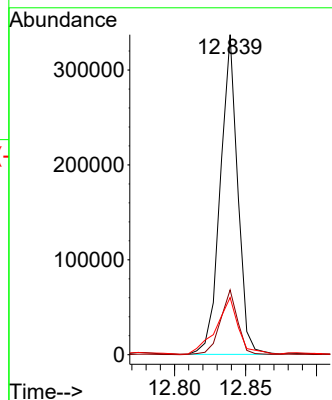
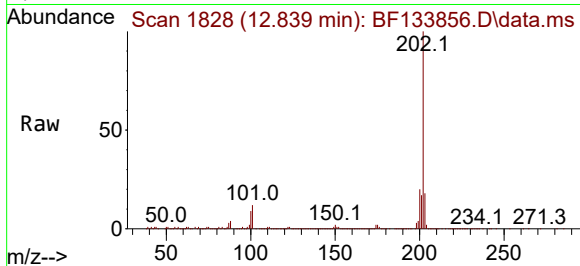




#78
 Pyrene
 Concen: 13.454 ng
 RT: 12.839 min Scan# 1828
 Delta R.T. 0.000 min
 Lab File: BF133856.D
 Acq: 20 Jun 2023 15:02

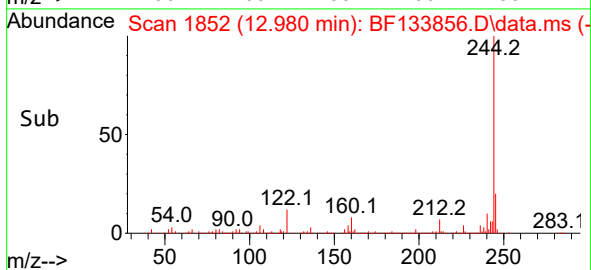
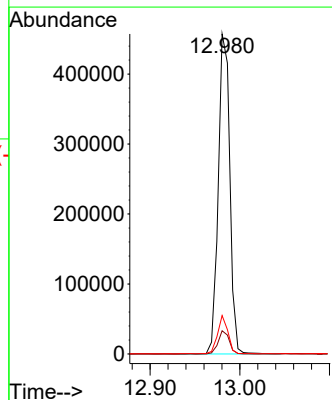
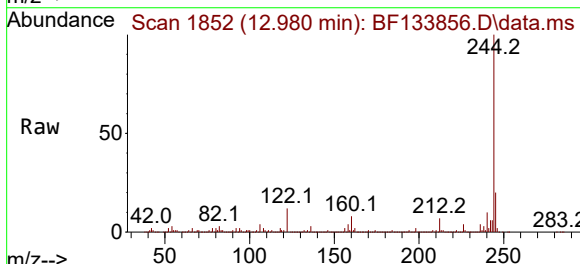
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-04

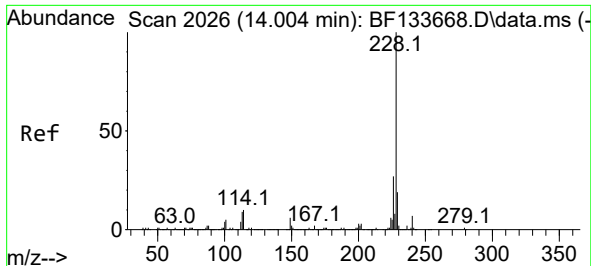
Tgt Ion:202 Resp: 286579
 Ion Ratio Lower Upper
 202 100
 200 20.3 16.2 24.2
 203 17.8 13.9 20.9



#79
 Terphenyl-d14
 Concen: 27.641 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. -0.006 min
 Lab File: BF133856.D
 Acq: 20 Jun 2023 15:02

Tgt Ion:244 Resp: 408461
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.2
 122 12.0 8.1 12.1

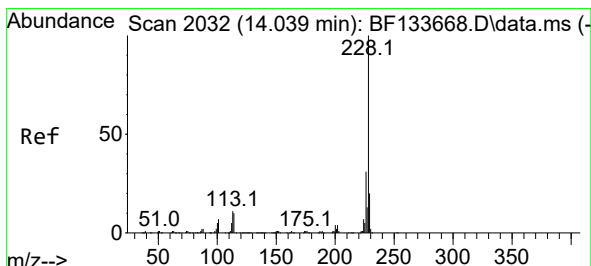
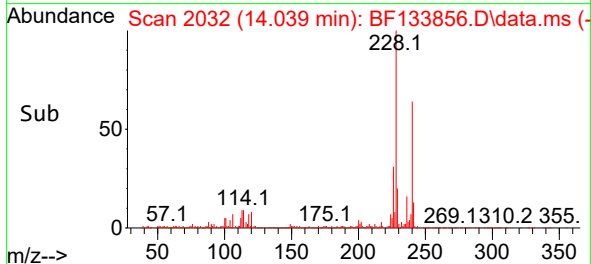
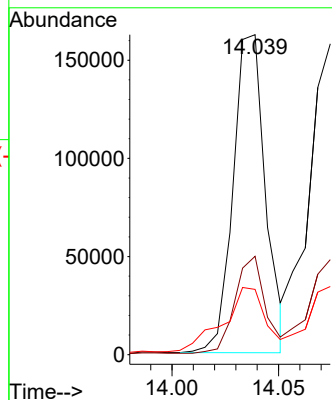
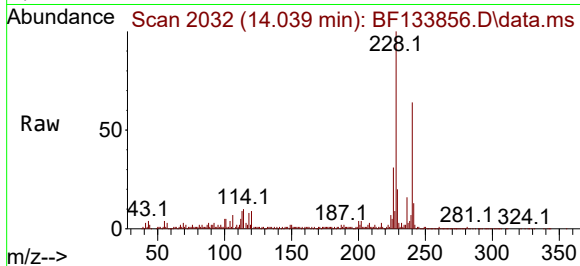




#81
Benzo(a)anthracene
Concen: 10.821 ng
RT: 14.039 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF133856.D
Acq: 20 Jun 2023 15:02

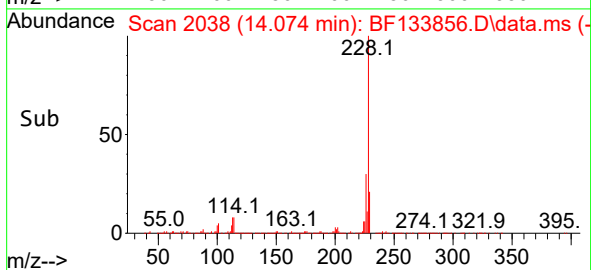
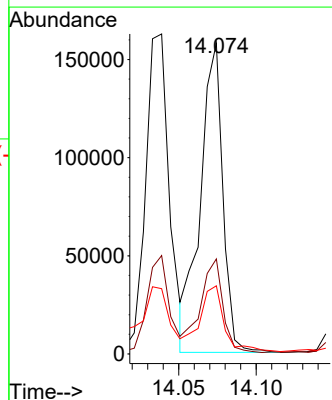
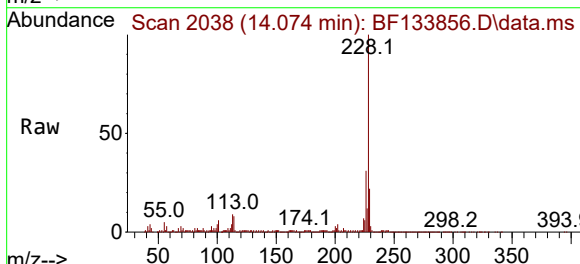
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-04

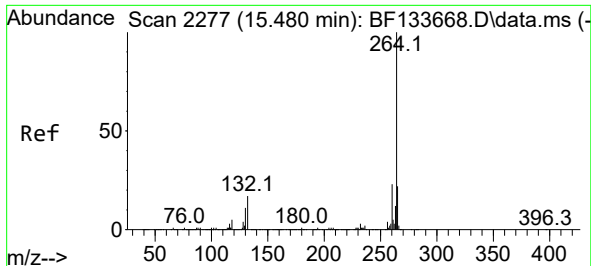
Tgt Ion:228 Resp: 171157
Ion Ratio Lower Upper
228 100
226 30.7 21.7 32.5
229 20.4 15.4 23.2



#83
Chrysene
Concen: 10.657 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BF133856.D
Acq: 20 Jun 2023 15:02

Tgt Ion:228 Resp: 159430
Ion Ratio Lower Upper
228 100
226 30.6 25.0 37.6
229 21.9 15.8 23.8

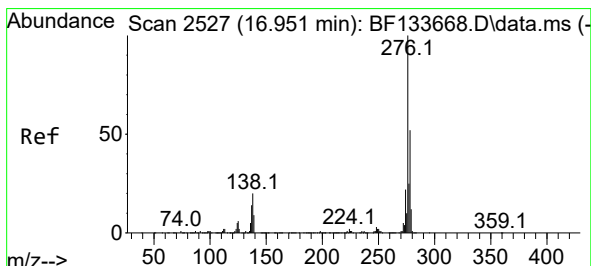
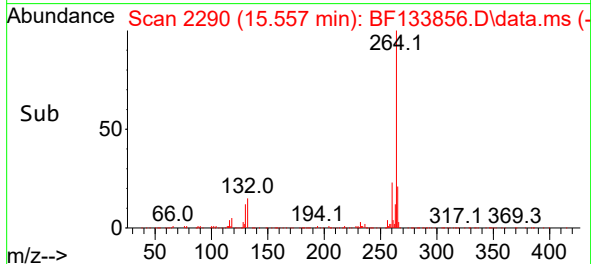
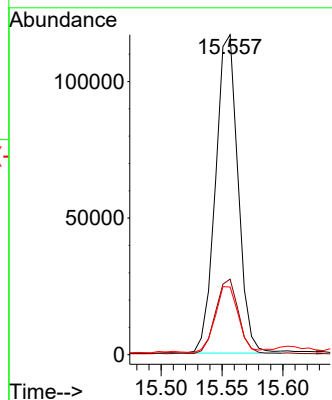
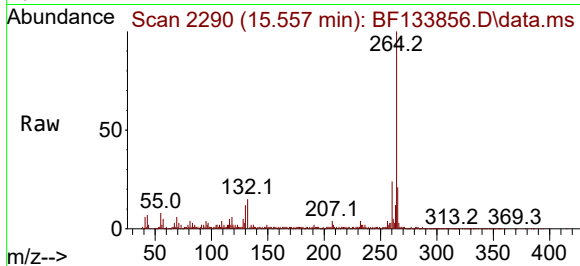




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF133856.D
 Acq: 20 Jun 2023 15:02

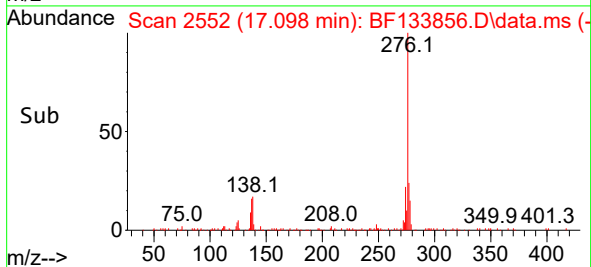
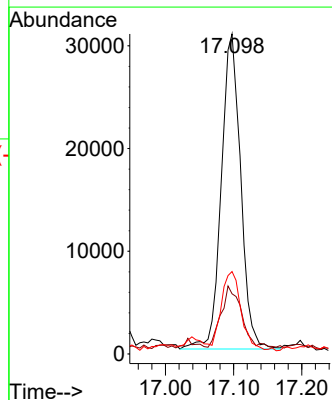
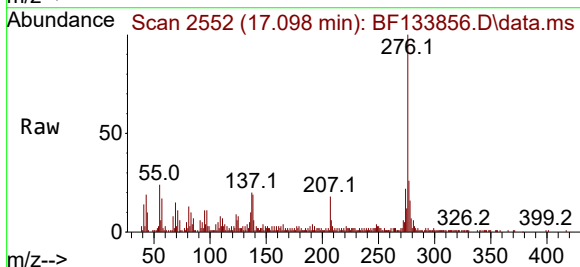
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-04

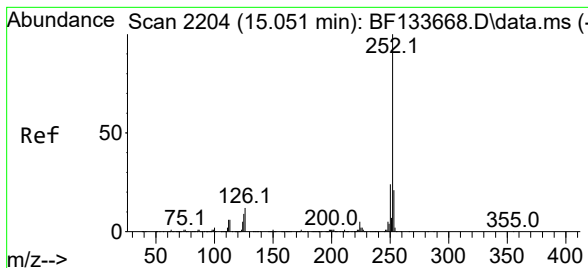
Tgt Ion:264 Resp: 149864
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.2 27.2
 265 21.1 17.8 26.6



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.895 ng
 RT: 17.098 min Scan# 2552
 Delta R.T. 0.000 min
 Lab File: BF133856.D
 Acq: 20 Jun 2023 15:02

Tgt Ion:276 Resp: 60777
 Ion Ratio Lower Upper
 276 100
 138 21.8 17.9 26.9
 277 26.1 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 25.443 ng

RT: 15.110 min Scan# 2214

Delta R.T. 0.006 min

Lab File: BF133856.D

Acq: 20 Jun 2023 15:02

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-04

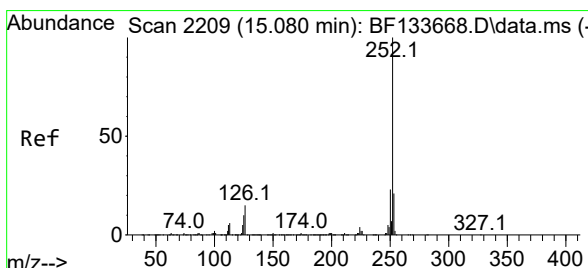
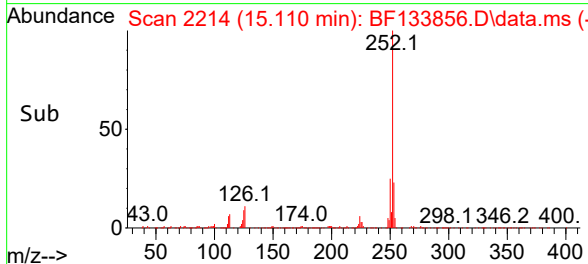
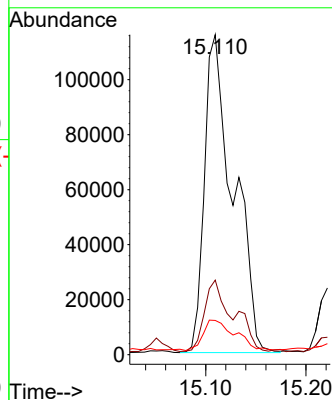
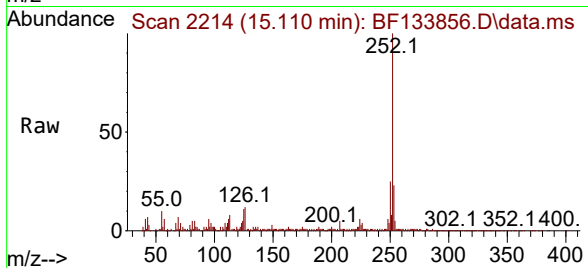
Tgt Ion:252 Resp: 231626

Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.6

125 10.7 7.3 10.9



#89

Benzo(k)fluoranthene

Concen: 26.132 ng

RT: 15.110 min Scan# 2214

Delta R.T. -0.024 min

Lab File: BF133856.D

Acq: 20 Jun 2023 15:02

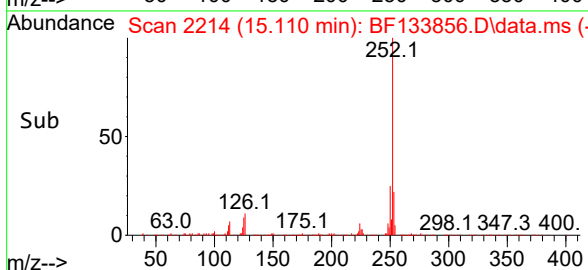
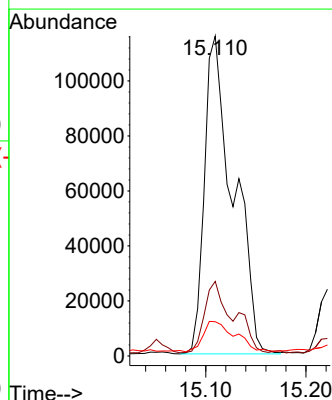
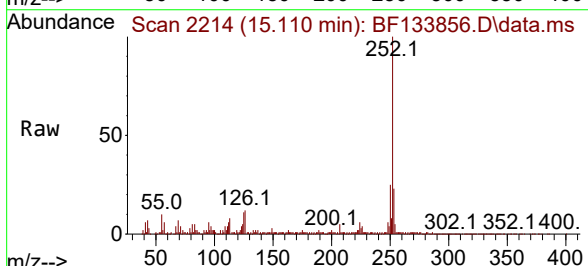
Tgt Ion:252 Resp: 231734

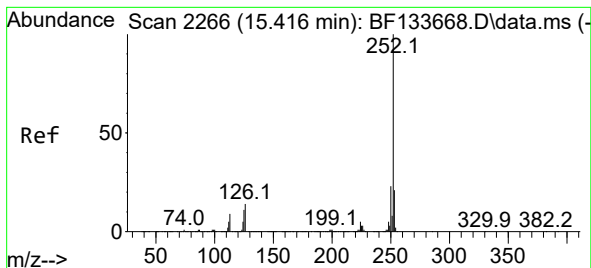
Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.4

125 10.7 7.8 11.6





#90

Benzo(a)pyrene

Concen: 11.446 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133856.D

Acq: 20 Jun 2023 15:02

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-04

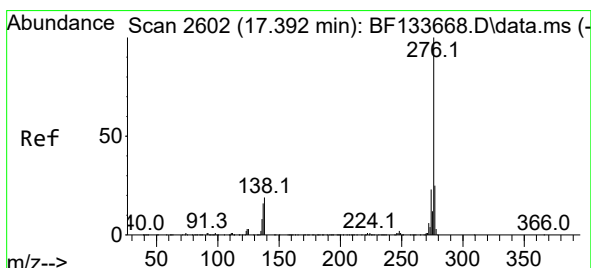
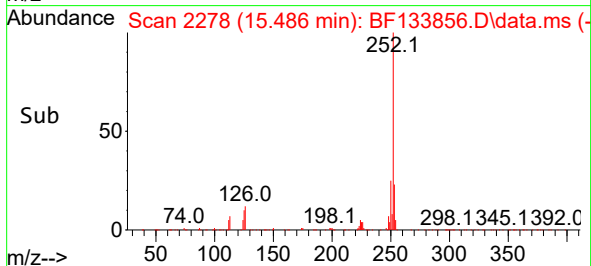
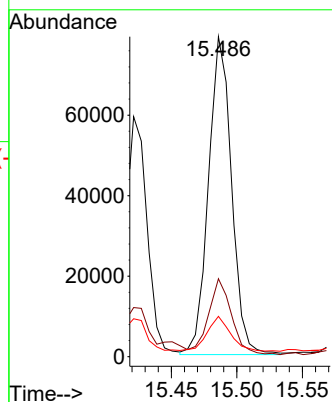
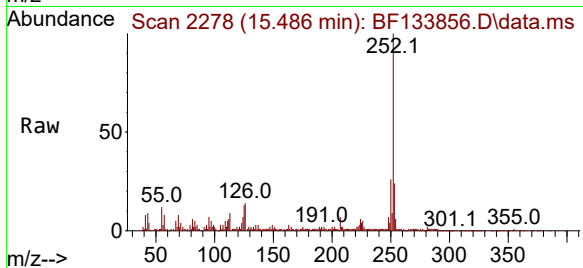
Tgt Ion:252 Resp: 96707

Ion Ratio Lower Upper

252 100

253 24.3 17.1 25.7

125 12.6 8.6 13.0



#92

Benzo(g,h,i)perylene

Concen: 6.770 ng

RT: 17.568 min Scan# 2632

Delta R.T. -0.006 min

Lab File: BF133856.D

Acq: 20 Jun 2023 15:02

Tgt Ion:276 Resp: 57293

Ion Ratio Lower Upper

276 100

277 23.5 19.8 29.8

138 21.8 15.0 22.4

