

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062223\
 Data File : BF133896.D
 Acq On : 22 Jun 2023 12:19
 Operator : CG\JU
 Sample : 03296-13DL 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-TW-01DL

Quant Time: Jun 22 13:23:21 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)

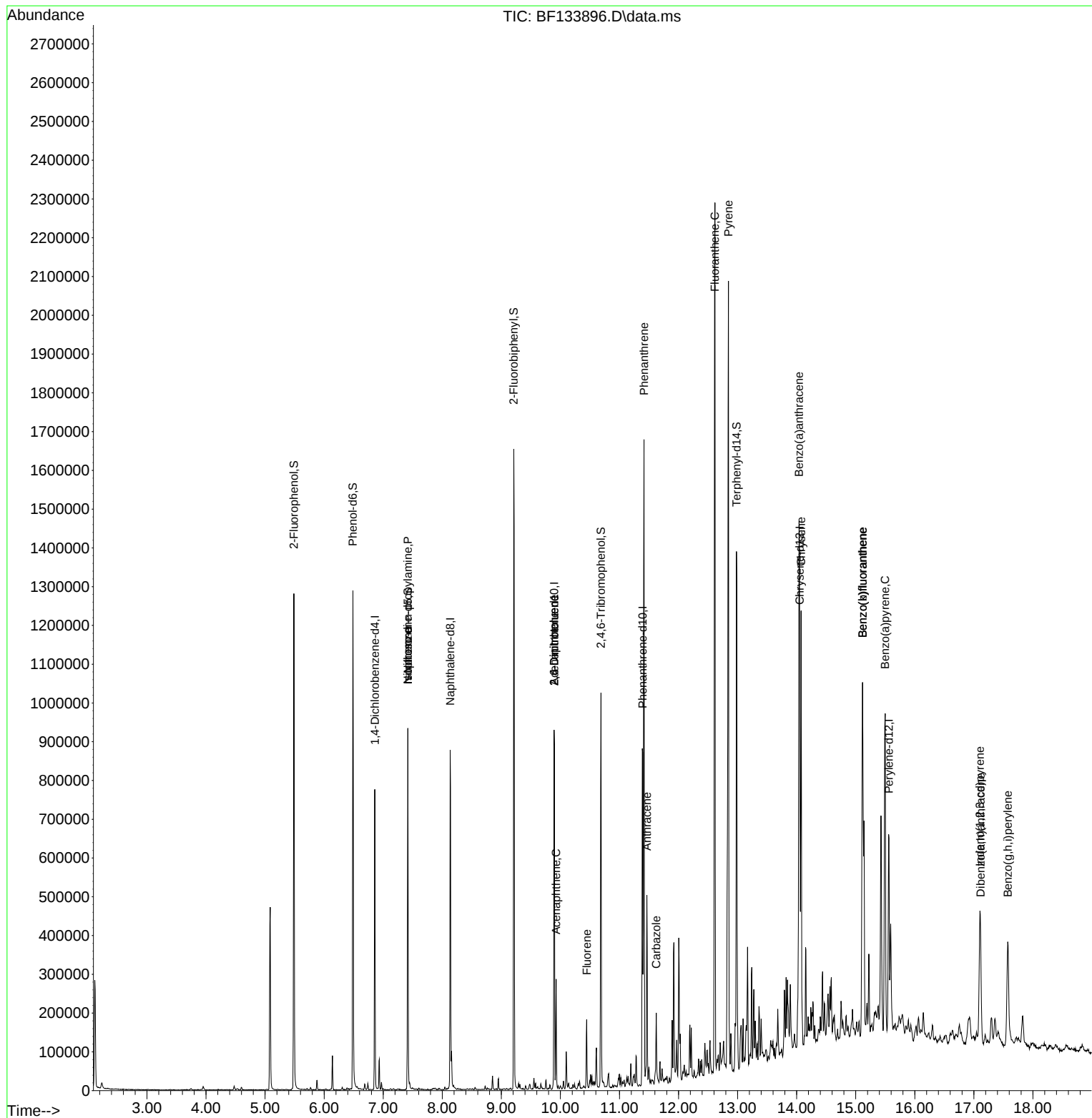
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	98849	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	380011	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	190624	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	350692	20.000	ng	0.00
76) Chrysene-d12	14.051	240	215238	20.000	ng	0.00
86) Perylene-d12	15.563	264	251204	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	308023	54.248	ng	0.00
7) Phenol-d6	6.487	99	364890	49.370	ng	0.00
23) Nitrobenzene-d5	7.416	82	244229	35.005	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	111443	46.185	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	496595	37.032	ng	0.00
79) Terphenyl-d14	12.980	244	463373	33.312	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	34015	7.233	ng	# 79
25) Isophorone	7.416	82	244255	19.069	ng	# 65
51) 2,6-Dinitrotoluene	9.892	165	24798	8.444	ng	# 28
52) Acenaphthene	9.928	154	51797	4.610	ng	98
57) 2,4-Dinitrotoluene	9.892	165	24798	6.639	ng	# 19
58) Fluorene	10.445	166	45452	3.467	ng	97
71) Phenanthrene	11.416	178	580065	32.602	ng	99
72) Anthracene	11.463	178	176483	9.513	ng	99
73) Carbazole	11.622	167	63722	3.688	ng	99
75) Fluoranthene	12.616	202	996890	52.762	ng	100
78) Pyrene	12.845	202	888561	44.317	ng	99
81) Benzo(a)anthracene	14.039	228	497418	33.410	ng	97
83) Chrysene	14.074	228	391977	27.836	ng	97
87) Indeno(1,2,3-cd)pyrene	17.104	276	249696	14.448	ng	99
88) Benzo(b)fluoranthene	15.116	252	751989	49.280	ng	96
89) Benzo(k)fluoranthene	15.116	252	751989	50.589	ng	96
90) Benzo(a)pyrene	15.498	252	426664	30.127	ng	96
91) Dibenzo(a,h)anthracene	17.115	278	62774	4.387	ng	92
92) Benzo(g,h,i)perylene	17.574	276	238900	16.841	ng	97

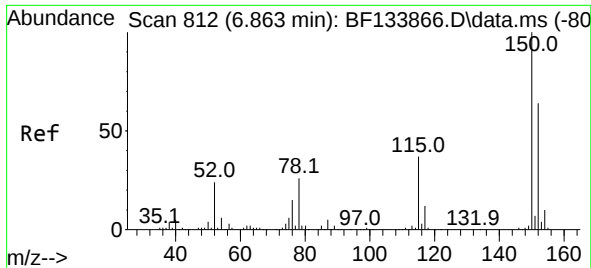
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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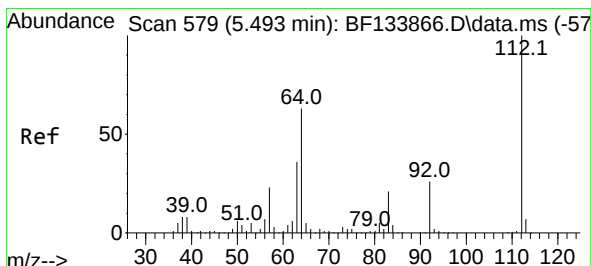
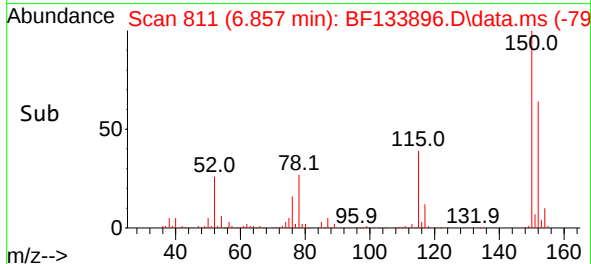
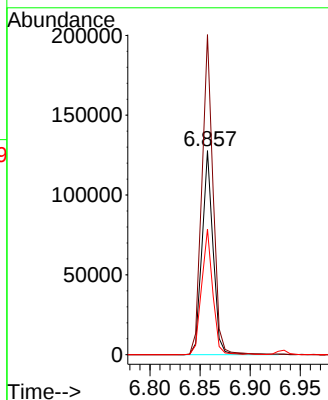
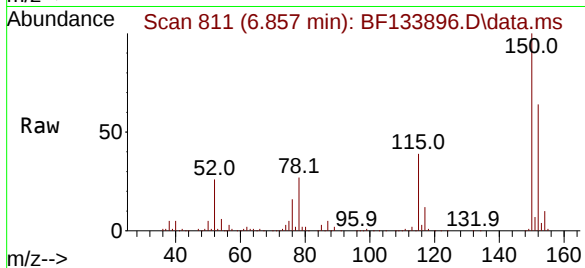




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

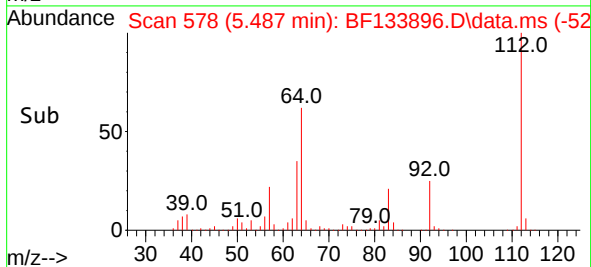
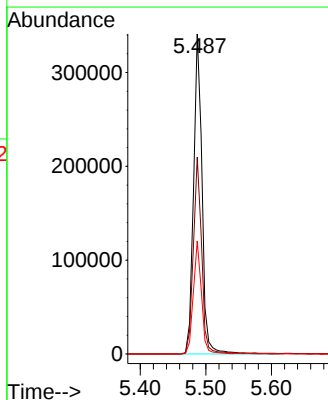
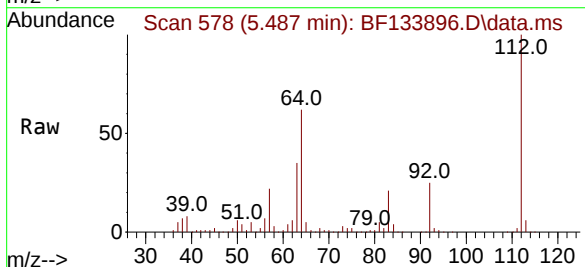
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-01DL

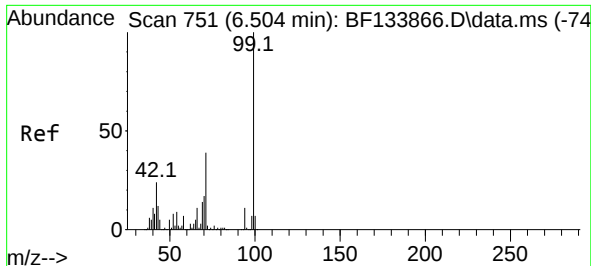
Tgt Ion:152 Resp: 98849
Ion Ratio Lower Upper
152 100
150 156.9 124.3 186.5
115 61.6 48.5 72.7



#5
2-Fluorophenol
Concen: 54.248 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

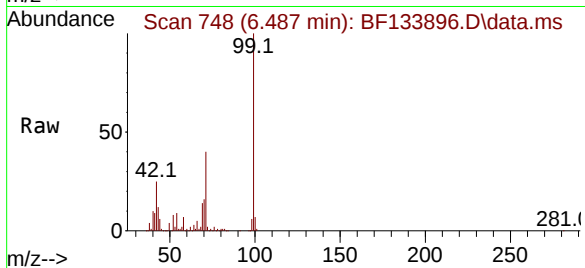
Tgt Ion:112 Resp: 308023
Ion Ratio Lower Upper
112 100
64 61.5 49.0 73.4
63 35.3 26.8 40.2



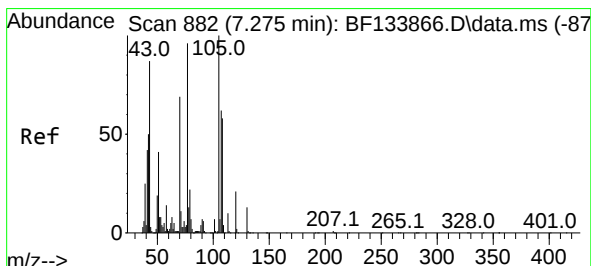
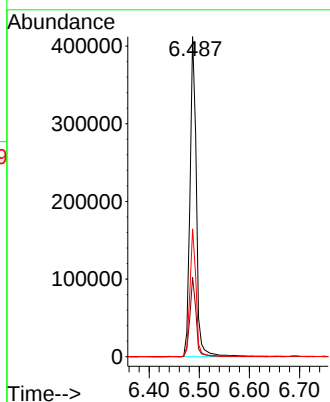
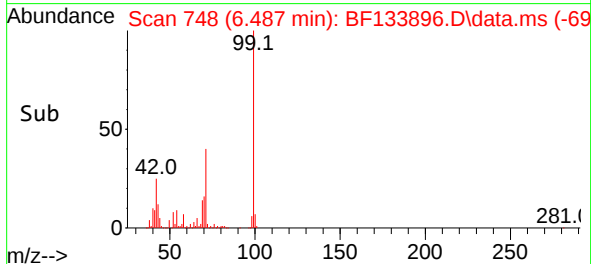


#7
Phenol-d6
Concen: 49.370 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

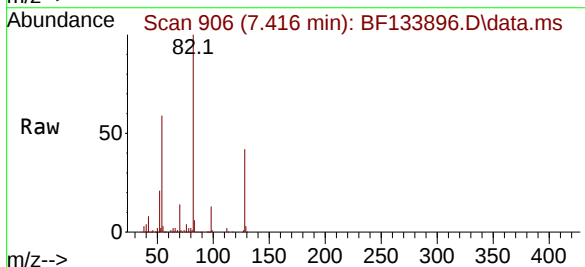
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-01DL



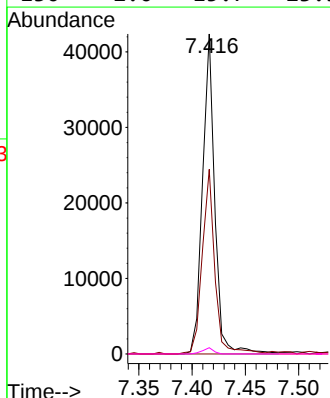
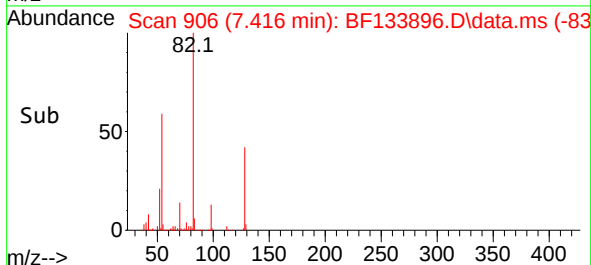
Tgt Ion: 99 Resp: 364890
Ion Ratio Lower Upper
99 100
42 24.9 19.9 29.9
71 40.0 32.2 48.4

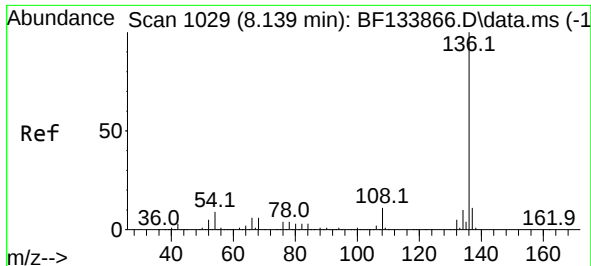


#19
n-Nitroso-di-n-propylamine
Concen: 7.233 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.141 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19



Tgt Ion: 70 Resp: 34015
Ion Ratio Lower Upper
70 100
42 57.7 55.8 83.8
101 0.0 8.1 12.1#
130 2.0 15.7 23.5#

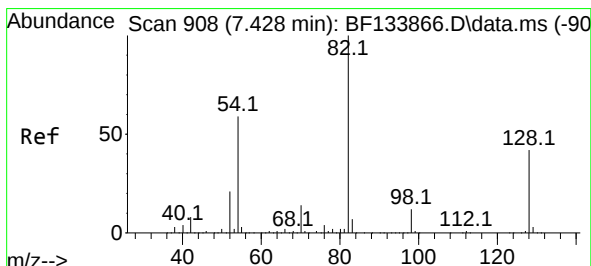
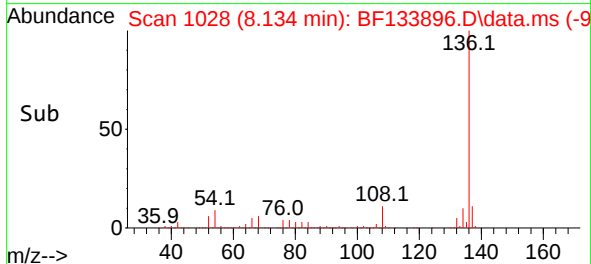
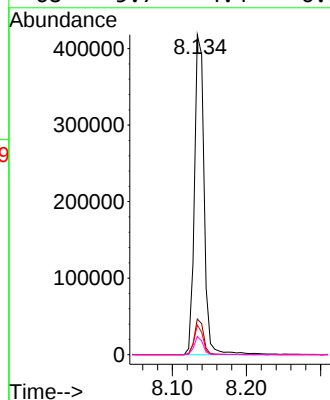
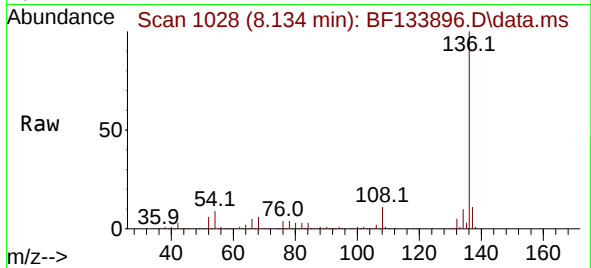




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

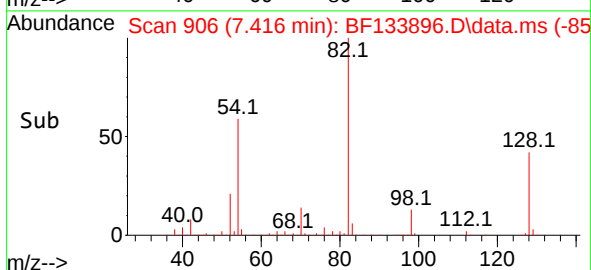
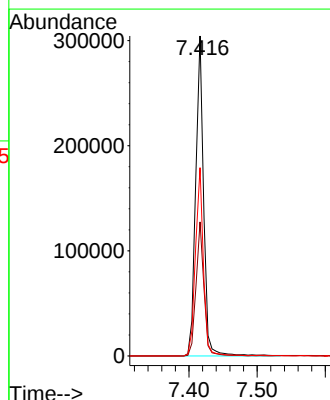
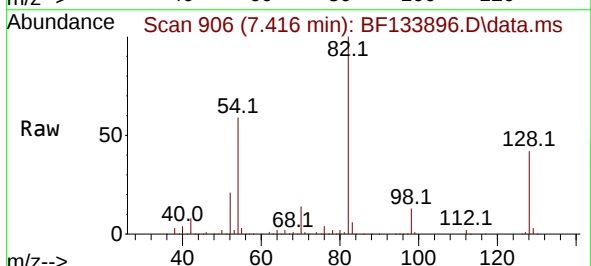
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-01DL

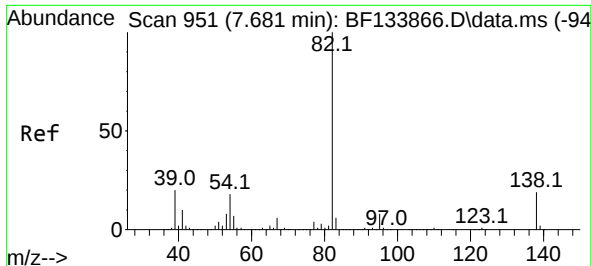
Tgt Ion:136 Resp: 380011
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 9.2 7.4 11.0
68 5.7 4.4 6.6



#23
Nitrobenzene-d5
Concen: 35.005 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

Tgt Ion: 82 Resp: 244229
Ion Ratio Lower Upper
82 100
128 41.9 34.2 51.2
54 58.9 46.5 69.7

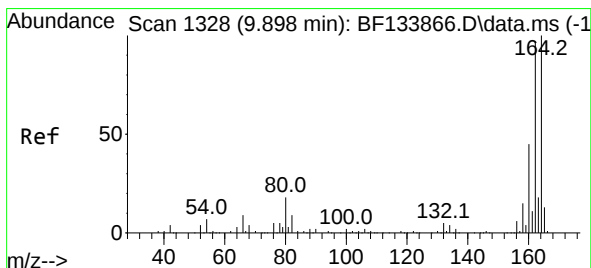
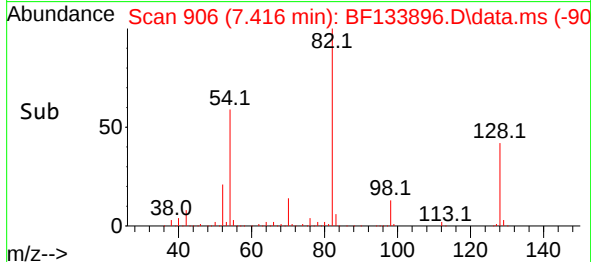
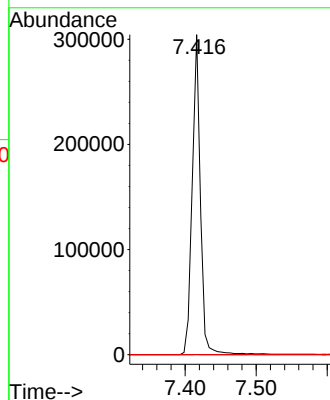
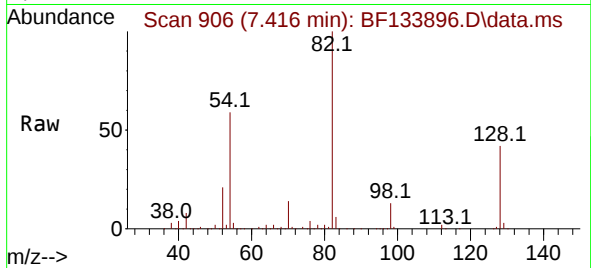




#25
Isophorone
Concen: 19.069 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.264 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

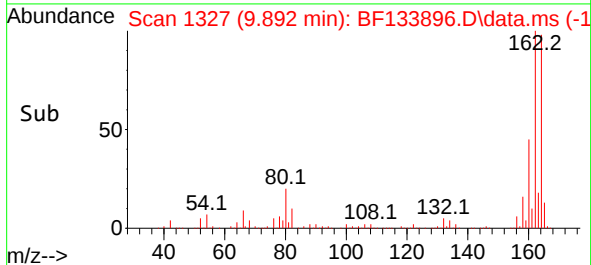
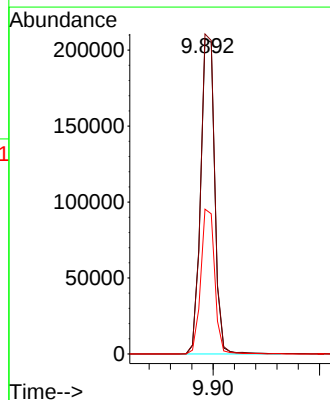
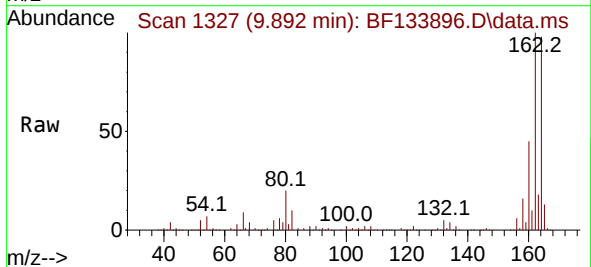
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-01DL

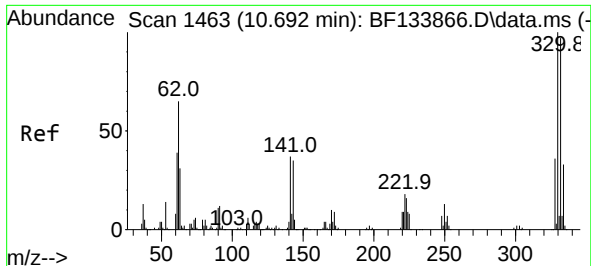
Tgt Ion: 82 Resp: 244255
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

Tgt Ion:164 Resp: 190624
Ion Ratio Lower Upper
164 100
162 101.5 80.8 121.2
160 45.9 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 46.185 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF133896.D

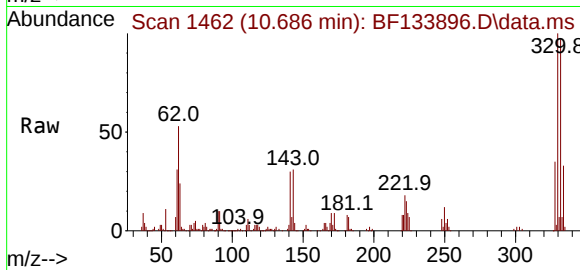
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Instrument :

BNA_F

ClientSampleId :

COMPOSIT-TW-01DL



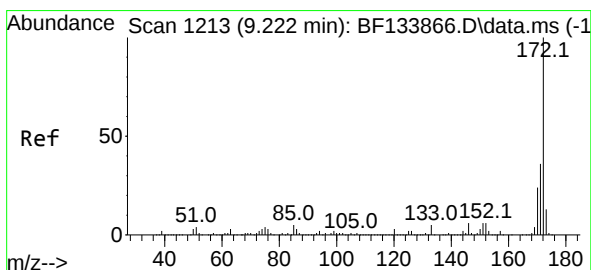
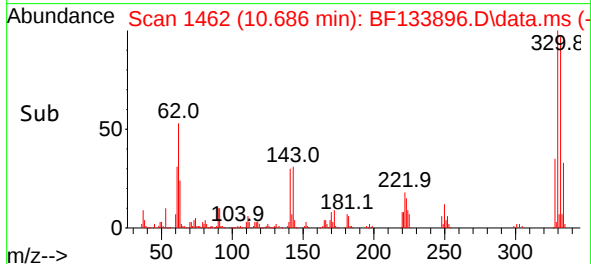
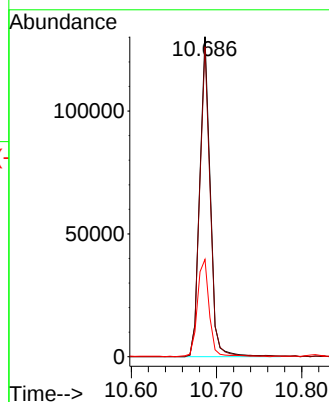
Tgt Ion:330 Resp: 111443

Ion Ratio Lower Upper

330 100

332 96.4 77.2 115.8

141 34.6 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 37.032 ng

RT: 9.210 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF133896.D

Acq: 22 Jun 2023 12:19

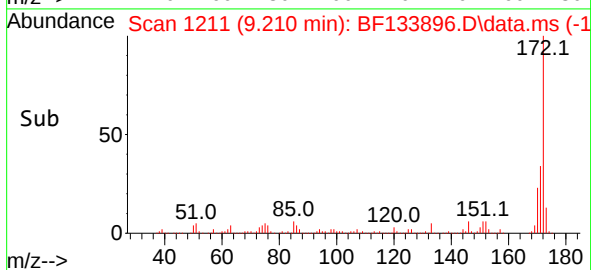
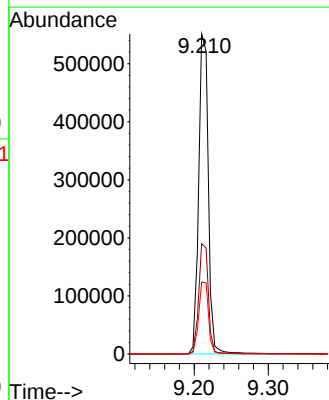
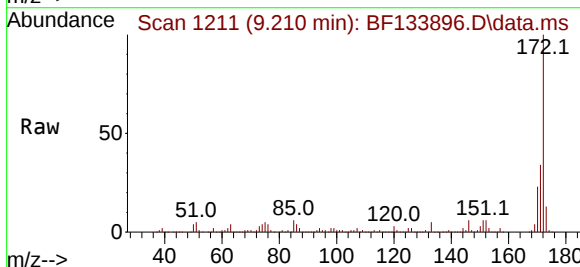
Tgt Ion:172 Resp: 496595

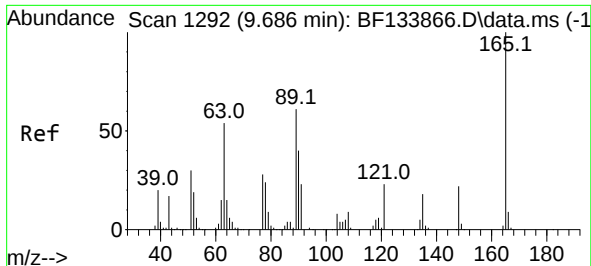
Ion Ratio Lower Upper

172 100

171 34.5 28.6 43.0

170 22.5 19.1 28.7

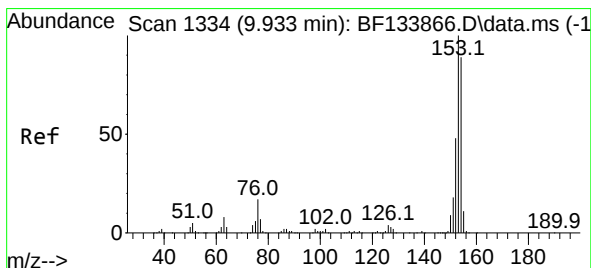
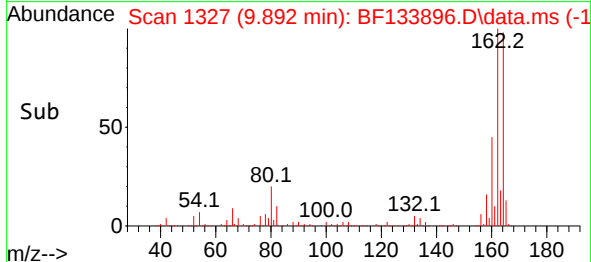
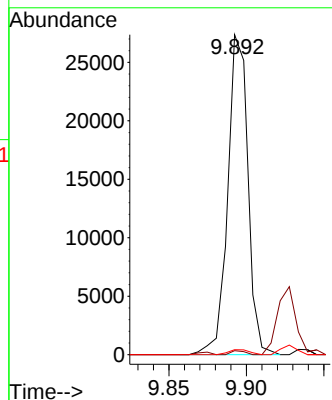
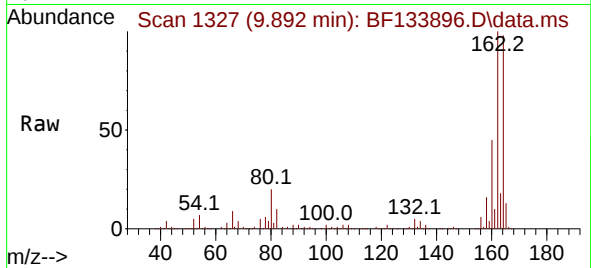




#51
2,6-Dinitrotoluene
Concen: 8.444 ng
RT: 9.892 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

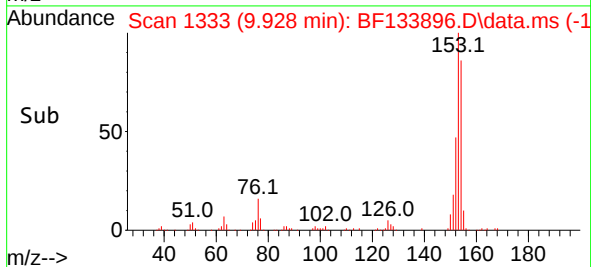
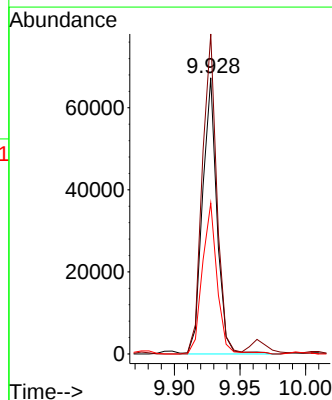
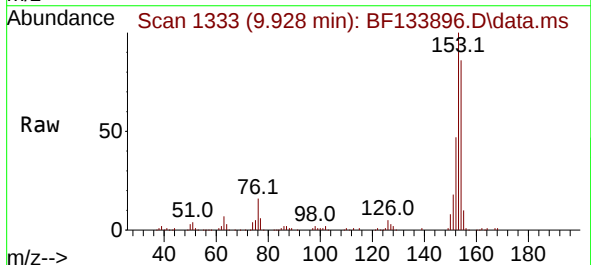
Instrument :
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COMPOSIT-TW-01DL

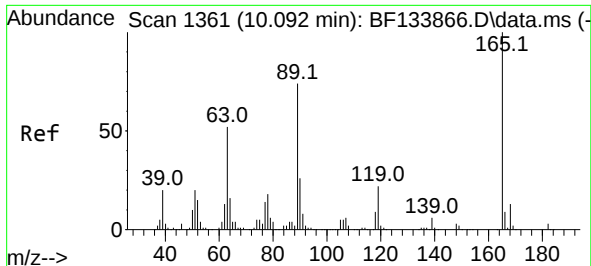
Tgt Ion:165 Resp: 24798
Ion Ratio Lower Upper
165 100
63 1.2 42.1 63.1#
89 1.5 40.9 61.3#



#52
Acenaphthene
Concen: 4.610 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

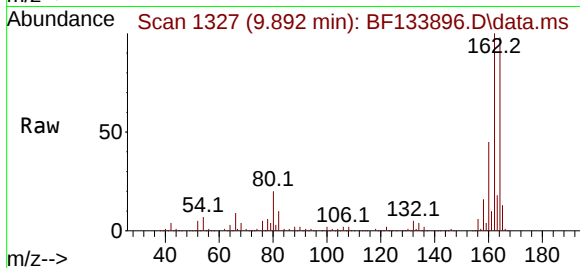
Tgt Ion:154 Resp: 51797
Ion Ratio Lower Upper
154 100
153 115.9 89.8 134.8
152 54.6 43.4 65.2



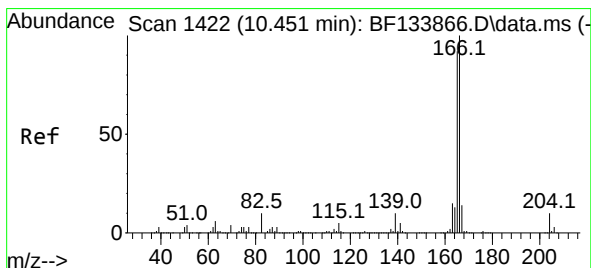
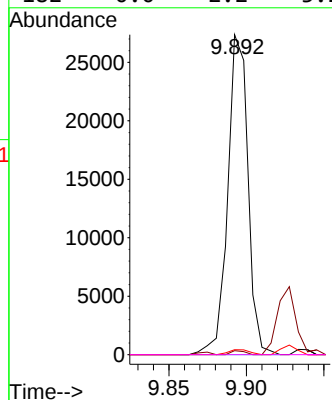
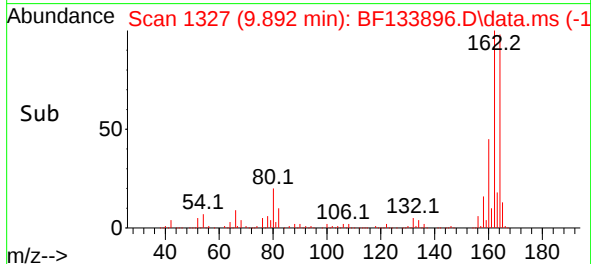


#57
2,4-Dinitrotoluene
Concen: 6.639 ng
RT: 9.892 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-01DL

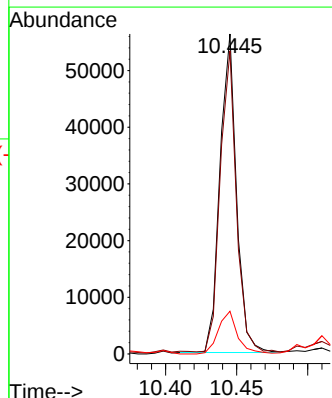
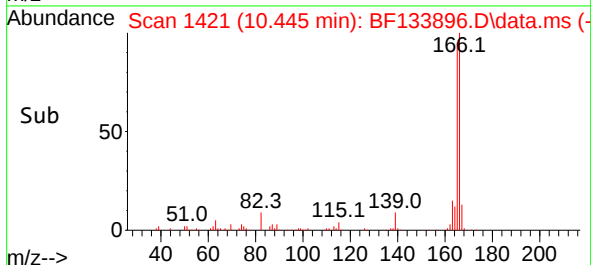
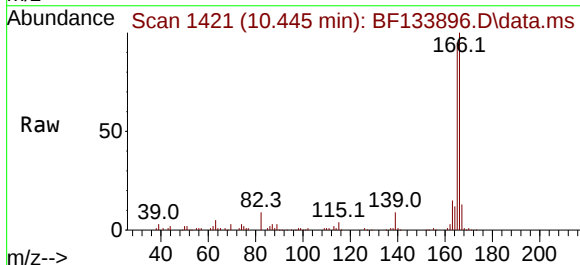


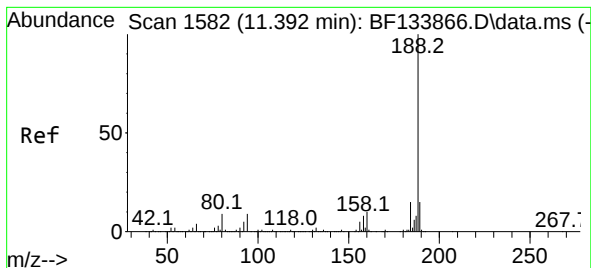
Tgt Ion:165 Resp: 24798
Ion Ratio Lower Upper
165 100
63 1.2 43.0 64.6#
89 1.5 62.6 93.8#
182 0.0 2.2 3.2#



#58
Fluorene
Concen: 3.467 ng
RT: 10.445 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

Tgt Ion:166 Resp: 45452
Ion Ratio Lower Upper
166 100
165 94.7 73.1 109.7
167 13.4 10.5 15.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1582

Delta R.T. 0.006 min

Lab File: BF133896.D

Acq: 22 Jun 2023 12:19

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-TW-01DL

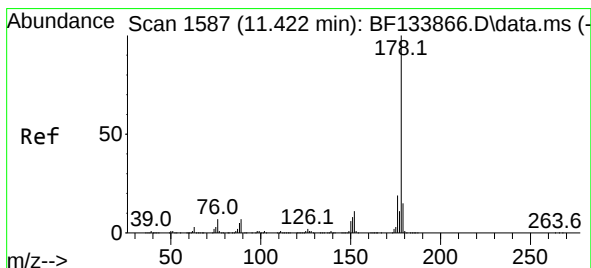
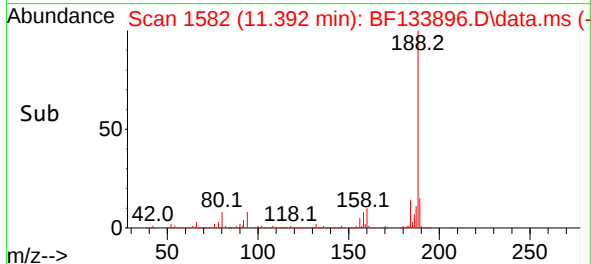
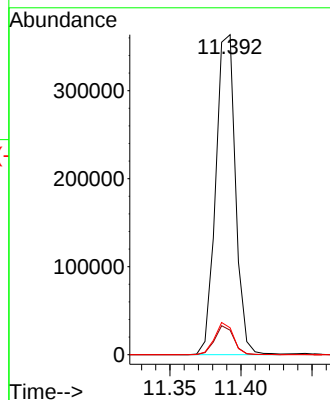
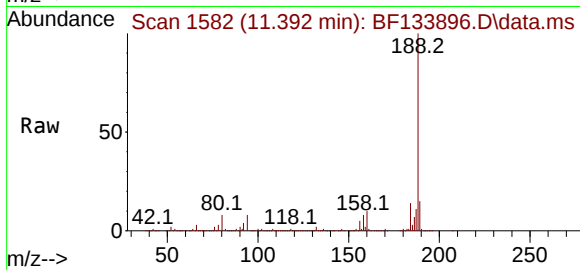
Tgt Ion:188 Resp: 350692

Ion Ratio Lower Upper

188 100

94 7.6 6.8 10.2

80 8.4 7.8 11.6



#71

Phenanthrene

Concen: 32.602 ng

RT: 11.416 min Scan# 1586

Delta R.T. 0.000 min

Lab File: BF133896.D

Acq: 22 Jun 2023 12:19

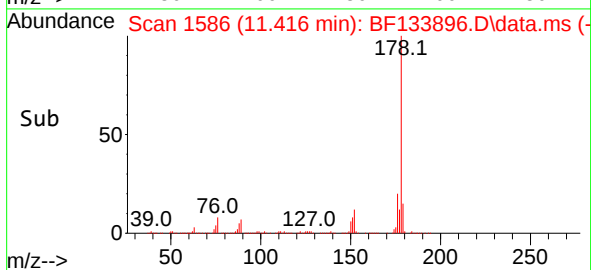
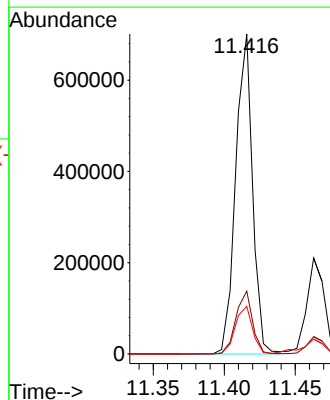
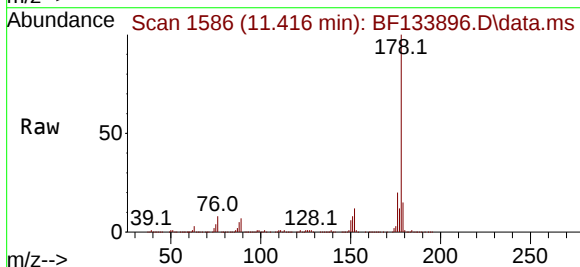
Tgt Ion:178 Resp: 580065

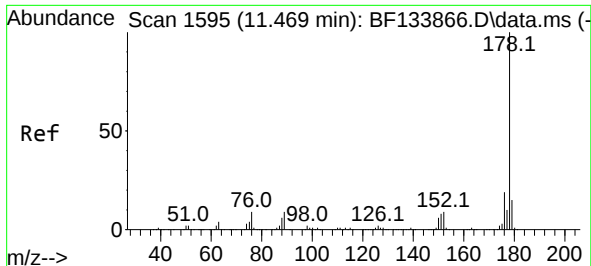
Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

179 14.9 12.4 18.6

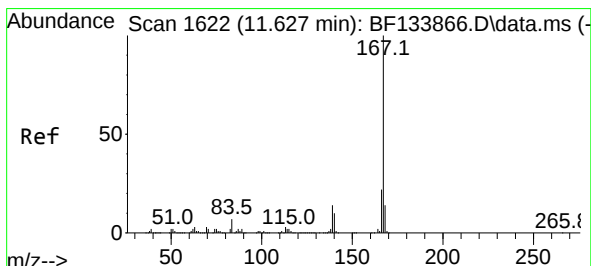
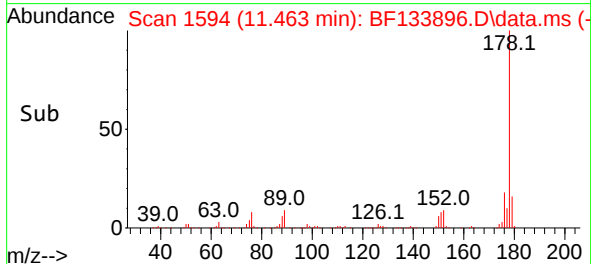
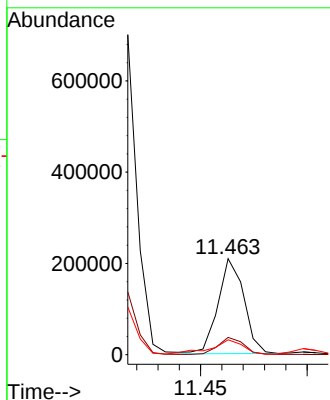
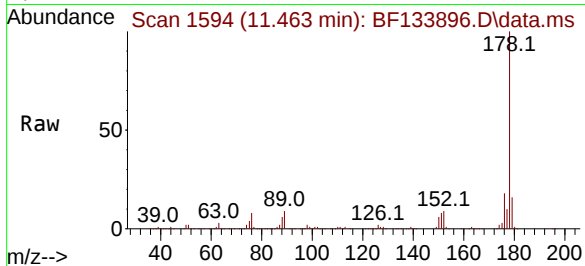




#72
 Anthracene
 Concen: 9.513 ng
 RT: 11.463 min Scan# 1594
 Delta R.T. -0.006 min
 Lab File: BF133896.D
 Acq: 22 Jun 2023 12:19

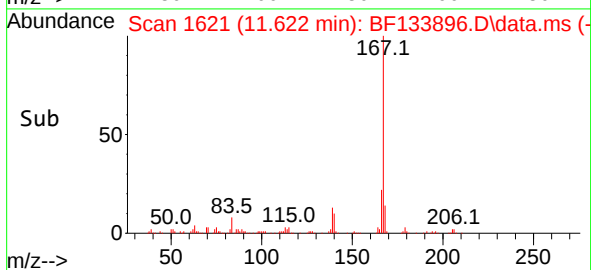
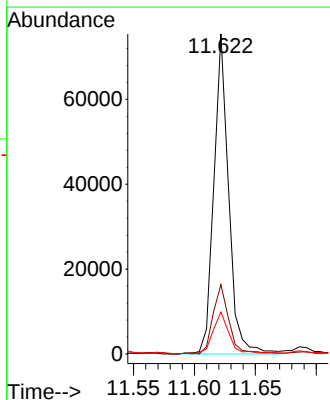
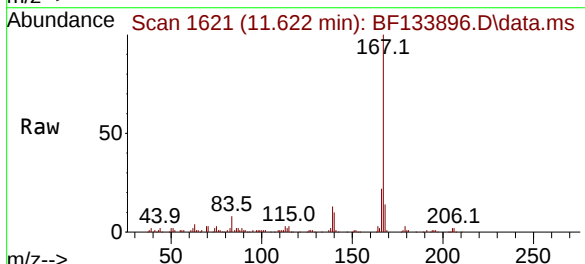
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-TW-01DL

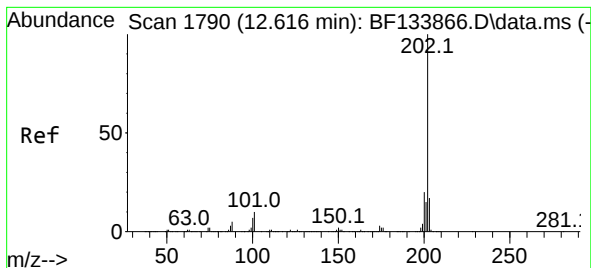
Tgt Ion:178 Resp: 176483
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.1 22.7
 179 15.5 12.6 18.8



#73
 Carbazole
 Concen: 3.688 ng
 RT: 11.622 min Scan# 1621
 Delta R.T. 0.000 min
 Lab File: BF133896.D
 Acq: 22 Jun 2023 12:19

Tgt Ion:167 Resp: 63722
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.0 25.6
 139 13.1 11.2 16.8





#75

Fluoranthene

Concen: 52.762 ng

RT: 12.616 min Scan# 1790

Delta R.T. 0.006 min

Lab File: BF133896.D

Acq: 22 Jun 2023 12:19

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-TW-01DL

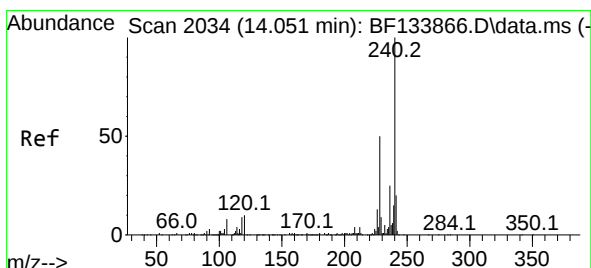
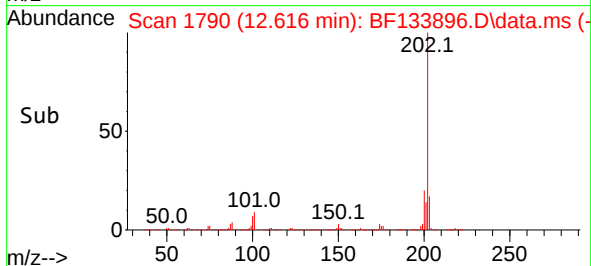
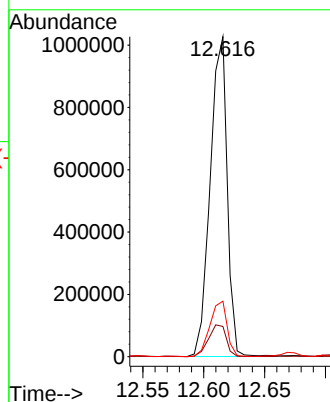
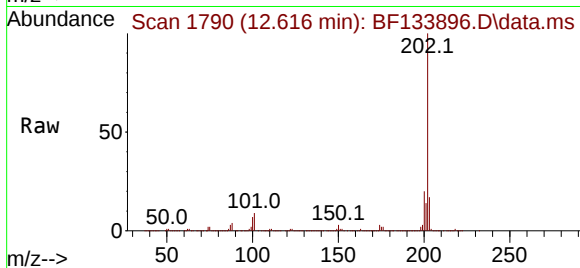
Tgt Ion:202 Resp: 996890

Ion Ratio Lower Upper

202 100

101 9.5 0.0 29.6

203 17.4 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2034

Delta R.T. 0.006 min

Lab File: BF133896.D

Acq: 22 Jun 2023 12:19

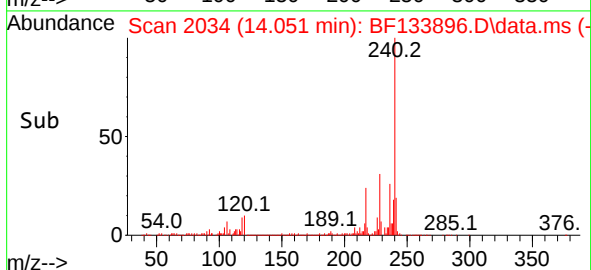
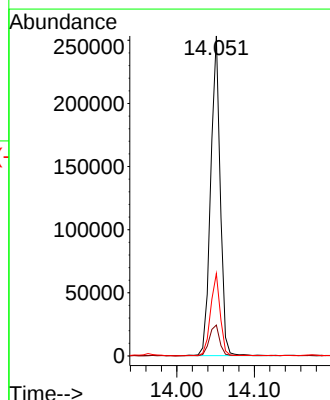
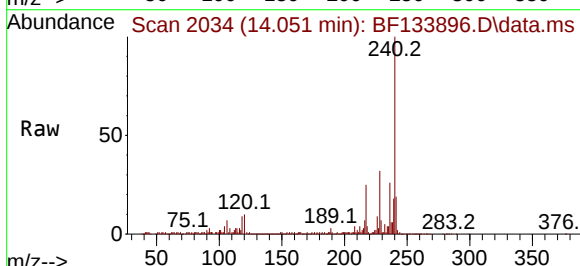
Tgt Ion:240 Resp: 215238

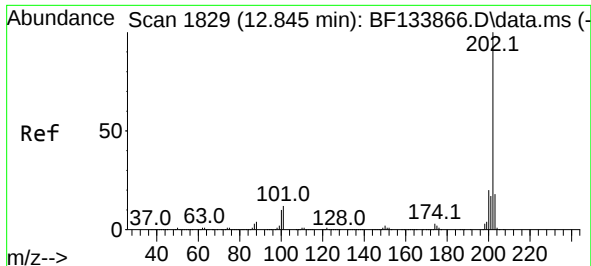
Ion Ratio Lower Upper

240 100

120 9.6 8.1 12.1

236 25.8 20.5 30.7

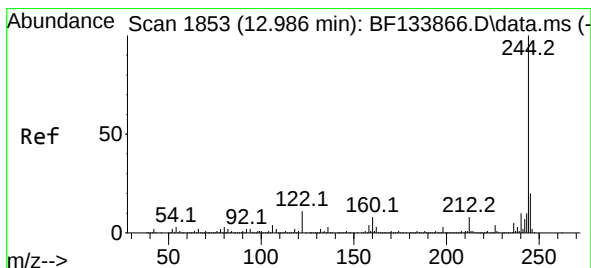
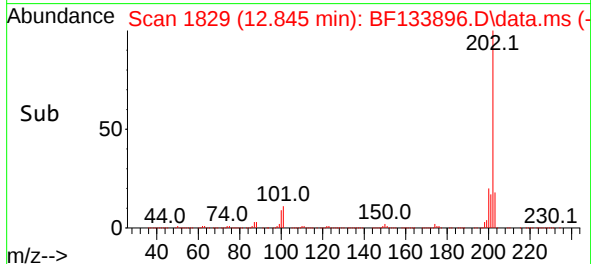
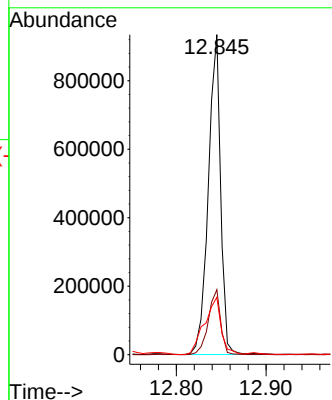
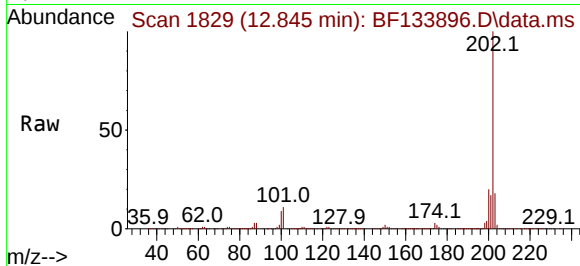




#78
Pyrene
Concen: 44.317 ng
RT: 12.845 min Scan# 1829
Delta R.T. 0.006 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

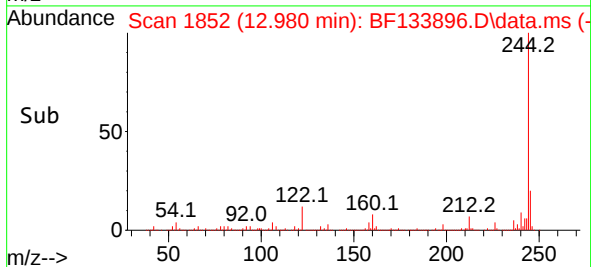
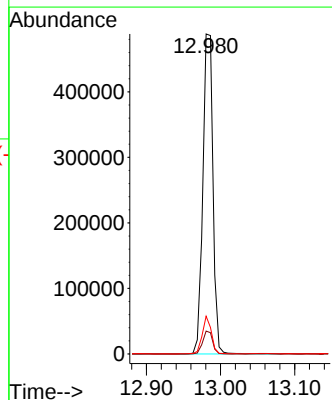
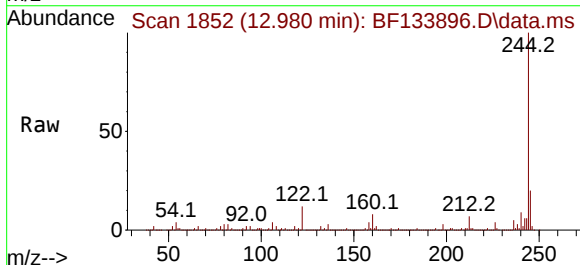
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-01DL

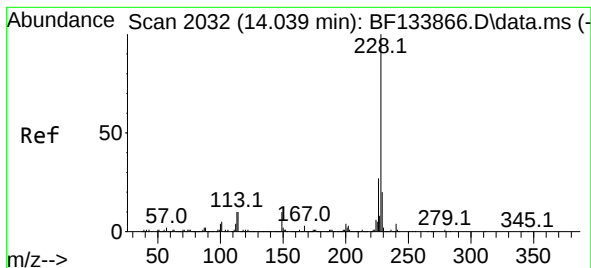
Tgt Ion:202 Resp: 888561
Ion Ratio Lower Upper
202 100
200 20.3 16.2 24.2
203 17.9 13.9 20.9



#79
Terphenyl-d14
Concen: 33.312 ng
RT: 12.980 min Scan# 1852
Delta R.T. -0.006 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

Tgt Ion:244 Resp: 463373
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.2
122 11.8 8.1 12.1





#81

Benzo(a)anthracene

Concen: 33.410 ng

RT: 14.039 min Scan# 2032

Delta R.T. 0.006 min

Lab File: BF133896.D

Acq: 22 Jun 2023 12:19

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-TW-01DL

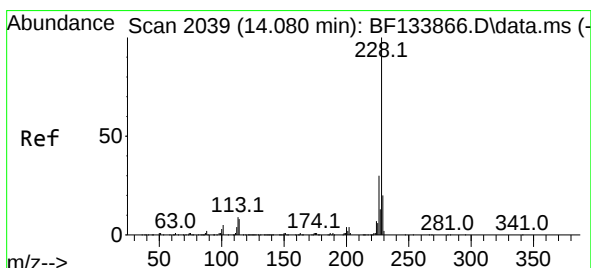
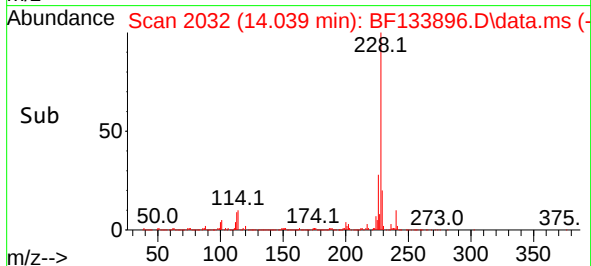
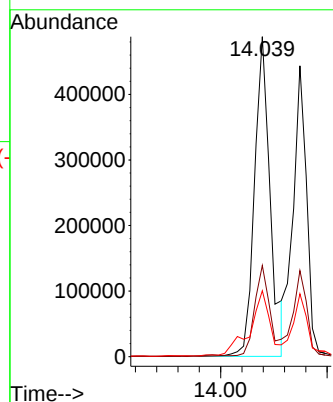
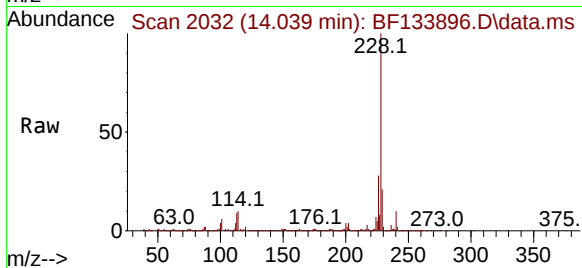
Tgt Ion:228 Resp: 497418

Ion Ratio Lower Upper

228 100

226 28.5 21.7 32.5

229 20.6 15.4 23.2



#83

Chrysene

Concen: 27.836 ng

RT: 14.074 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF133896.D

Acq: 22 Jun 2023 12:19

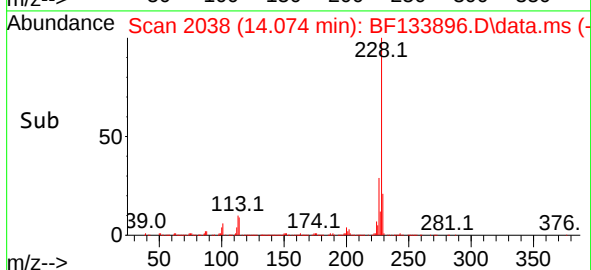
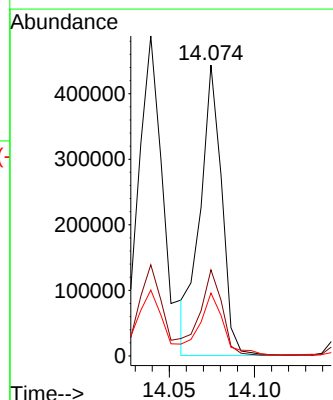
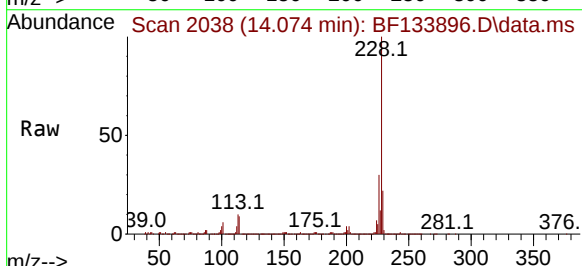
Tgt Ion:228 Resp: 391977

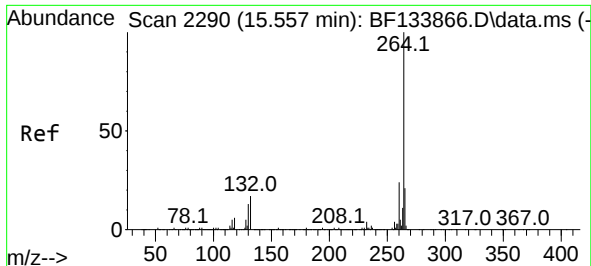
Ion Ratio Lower Upper

228 100

226 29.6 25.0 37.6

229 21.6 15.8 23.8



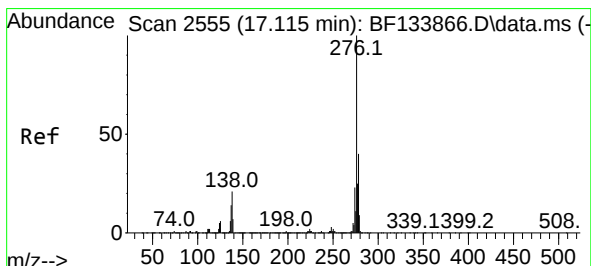
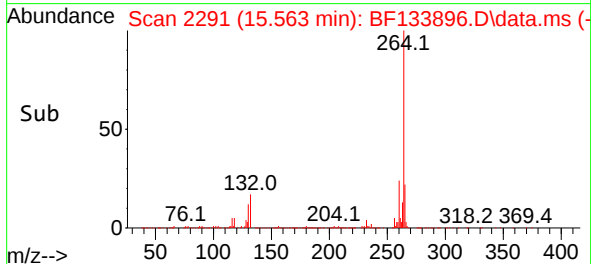
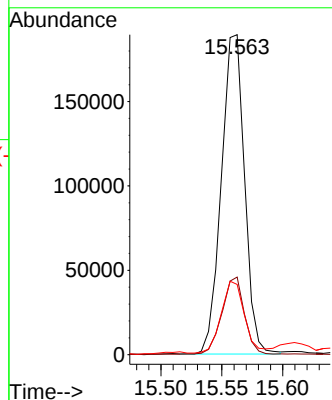
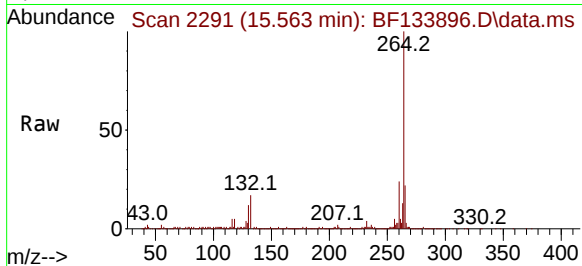


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-01DL

Tgt Ion:264 Resp: 251204

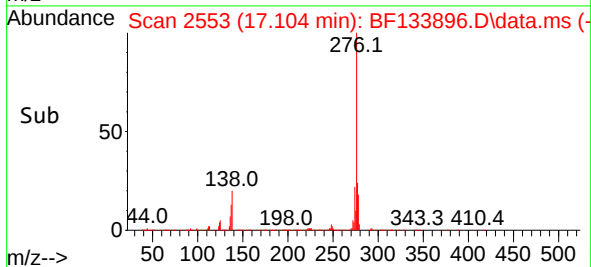
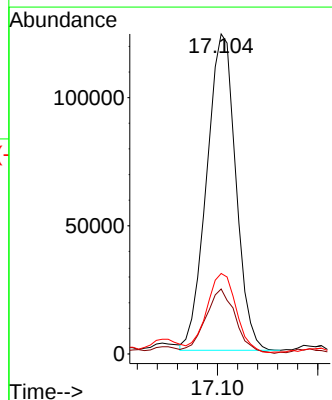
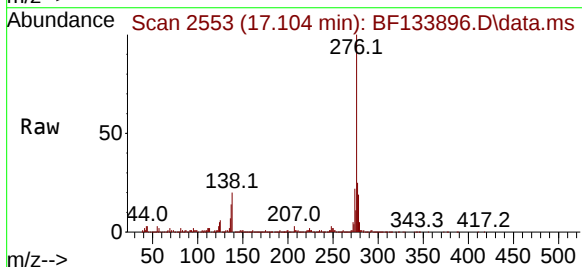
Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.2	27.2
265	21.9	17.8	26.6

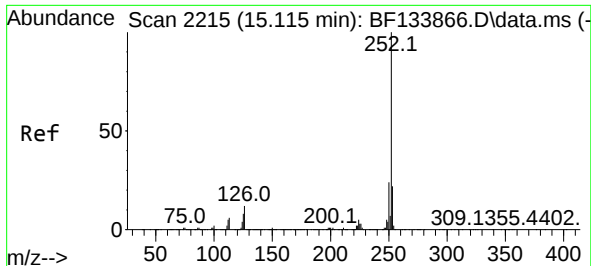


#87
Indeno(1,2,3-cd)pyrene
Concen: 14.448 ng
RT: 17.104 min Scan# 2553
Delta R.T. 0.006 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

Tgt Ion:276 Resp: 249696

Ion	Ratio	Lower	Upper
276	100		
138	21.1	17.9	26.9
277	25.3	20.3	30.5

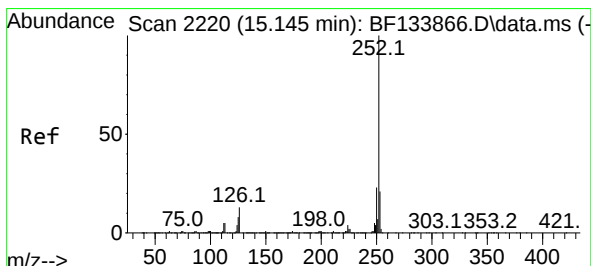
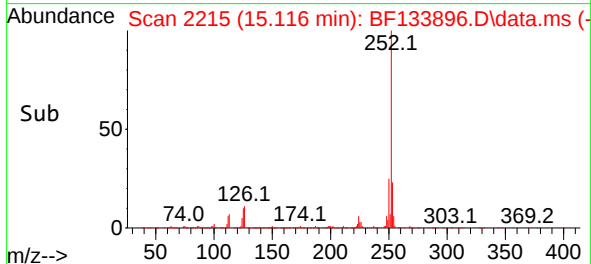
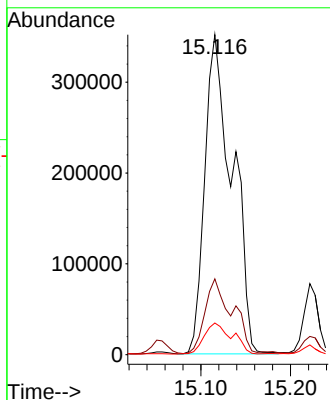
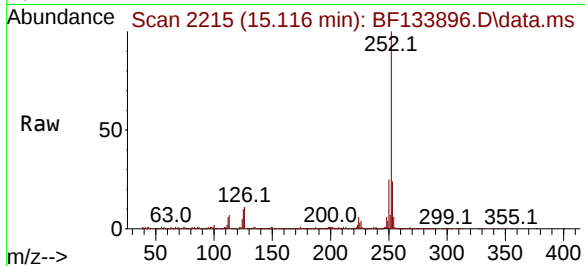




#88
Benzo(b)fluoranthene
Concen: 49.280 ng
RT: 15.116 min Scan# 2215
Delta R.T. 0.012 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

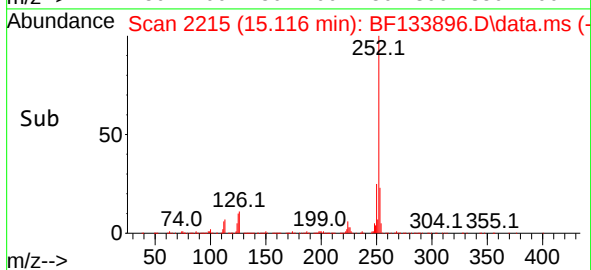
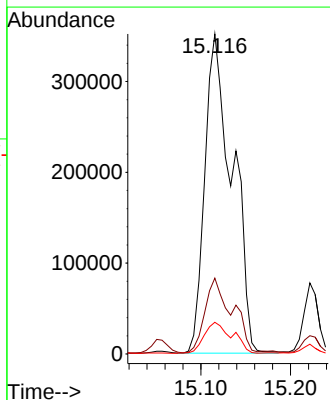
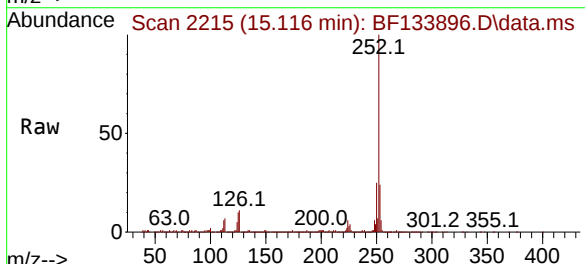
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-01DL

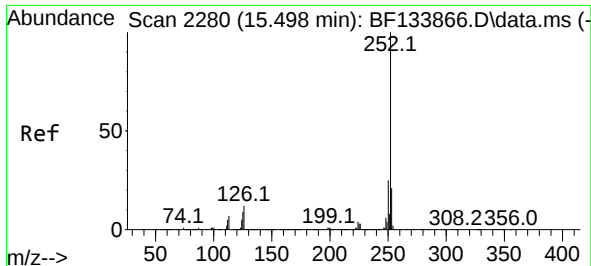
Tgt Ion:252 Resp: 751989
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.6
125 9.9 7.3 10.9



#89
Benzo(k)fluoranthene
Concen: 50.589 ng
RT: 15.116 min Scan# 2215
Delta R.T. -0.017 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

Tgt Ion:252 Resp: 751989
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.4
125 9.9 7.8 11.6

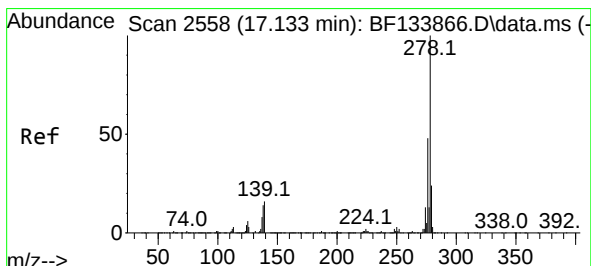
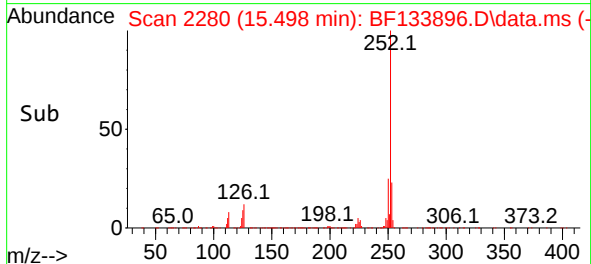
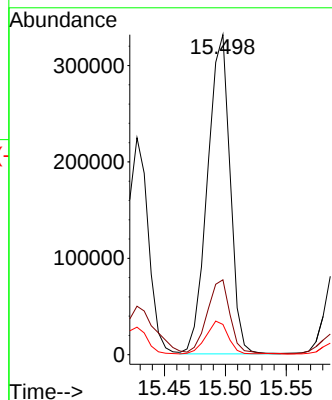
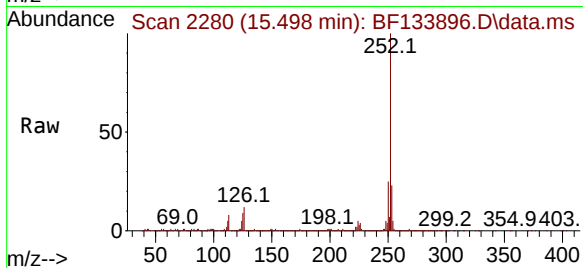




#90
Benzo(a)pyrene
Concen: 30.127 ng
RT: 15.498 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

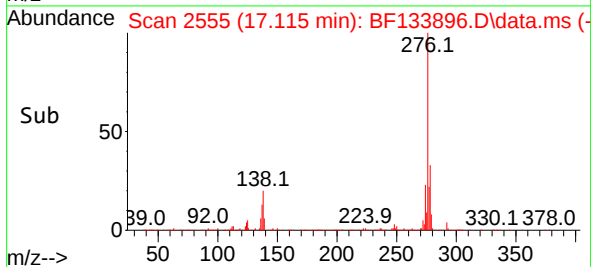
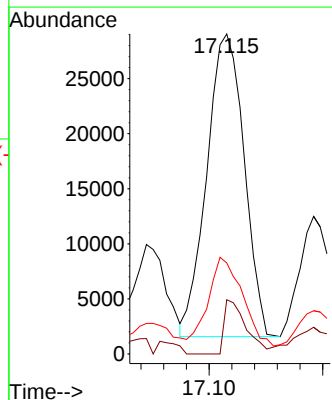
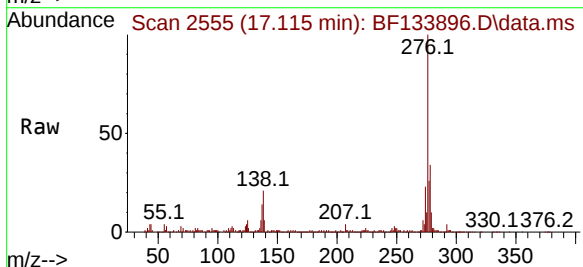
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-01DL

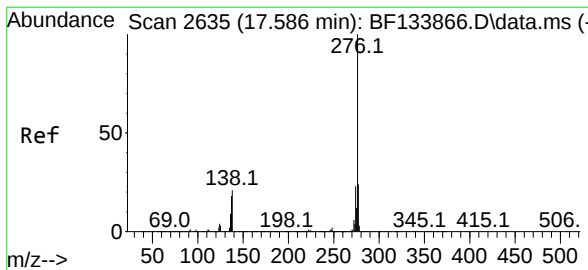
Tgt Ion:252 Resp: 426664
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 9.4 8.6 13.0



#91
Dibenzo(a,h)anthracene
Concen: 4.387 ng
RT: 17.115 min Scan# 2555
Delta R.T. -0.006 min
Lab File: BF133896.D
Acq: 22 Jun 2023 12:19

Tgt Ion:278 Resp: 62774
Ion Ratio Lower Upper
278 100
139 17.0 11.4 17.2
279 28.4 19.0 28.4





#92
 Benzo(g,h,i)perylene
 Concen: 16.841 ng
 RT: 17.574 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: BF133896.D
 Acq: 22 Jun 2023 12:19

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-TW-01DL

Tgt Ion:	276	Resp:	238900
Ion Ratio	Lower	Upper	
276	100		
277	23.3	19.8	29.8
138	20.3	15.0	22.4

