

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
 Data File : BF133813.D
 Acq On : 16 Jun 2023 18:36
 Operator : CG\JU
 Sample : 03223-13 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-11

Quant Time: Jun 17 00:10:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 14:54:03 2023
 Response via : Initial Calibration

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

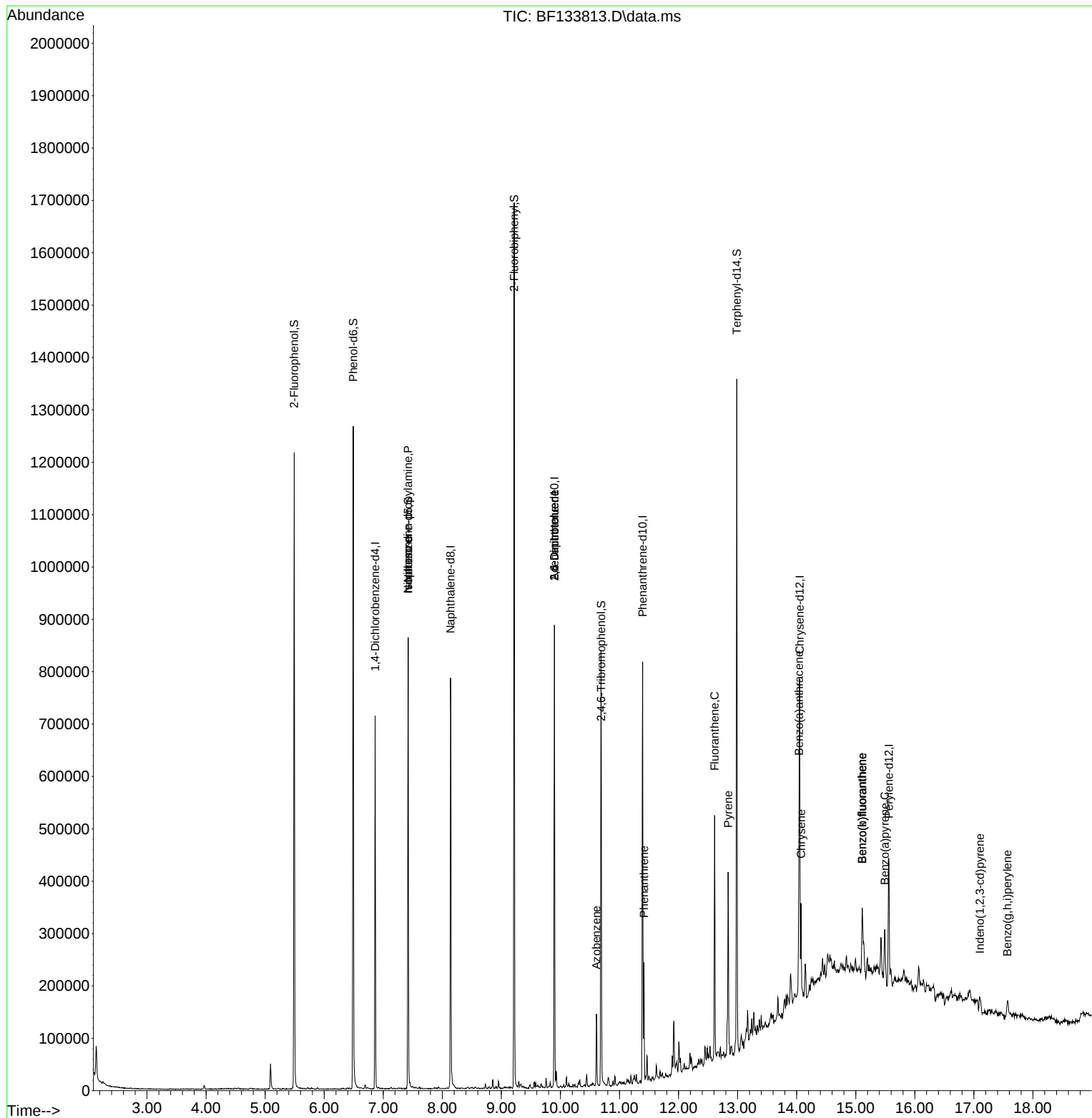
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	89261	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	340703	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	155158	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	278689	20.000	ng	0.00
76) Chrysene-d12	14.051	240	184634	20.000	ng	0.00
86) Perylene-d12	15.562	264	127217	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	291182	56.791	ng	0.00
7) Phenol-d6	6.492	99	333703	50.000	ng	0.00
23) Nitrobenzene-d5	7.422	82	225049	35.978	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	91020	46.344	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	455064	41.692	ng	0.00
79) Terphenyl-d14	12.986	244	402758	33.754	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	30436	7.168	ng	# 80
25) Isophorone	7.422	82	225049	19.597	ng	# 65
51) 2,6-Dinitrotoluene	9.898	165	20181	8.442	ng	# 28
57) 2,4-Dinitrotoluene	9.898	165	20181	6.638	ng	# 19
63) Azobenzene	10.610	77	23429	2.100	ng	# 1
71) Phenanthrene	11.416	178	82407	5.828	ng	99
75) Fluoranthene	12.610	202	169884	11.314	ng	99
78) Pyrene	12.839	202	141050	8.201	ng	99
81) Benzo(a)anthracene	14.039	228	73485	5.754	ng	94
83) Chrysene	14.074	228	68630	5.682	ng	96
87) Indeno(1,2,3-cd)pyrene	17.103	276	25104	2.868	ng	98
88) Benzo(b)fluoranthene	15.110	252	89317	11.558	ng	# 96
89) Benzo(k)fluoranthene	15.110	252	89317	11.865	ng	# 97
90) Benzo(a)pyrene	15.492	252	44609	6.220	ng	# 92
92) Benzo(g,h,i)perylene	17.568	276	29726	4.138	ng	97

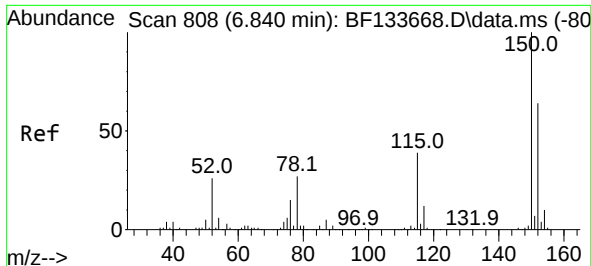
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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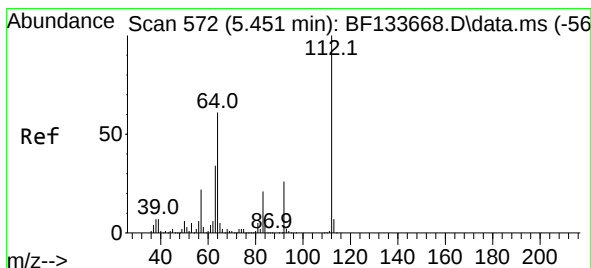
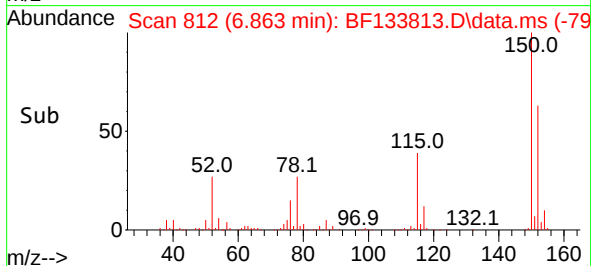
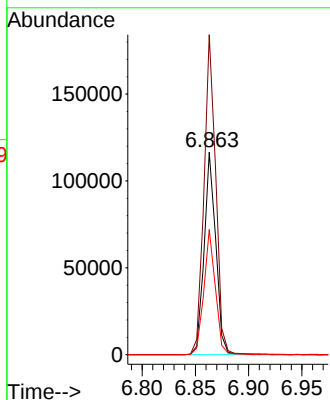
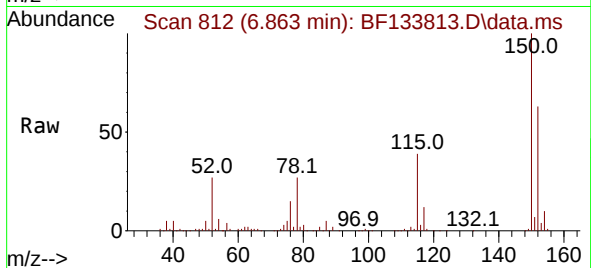




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36

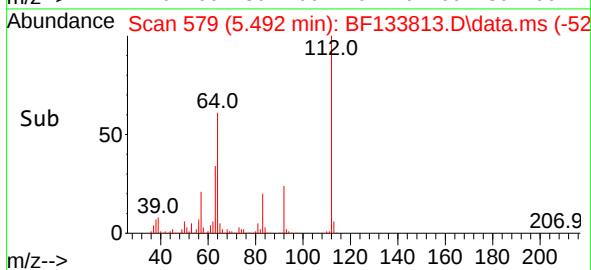
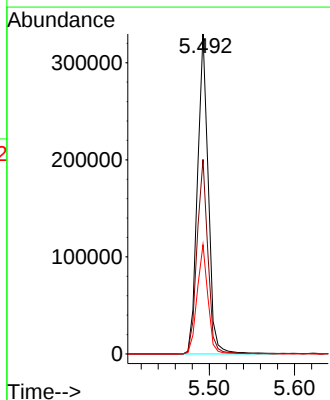
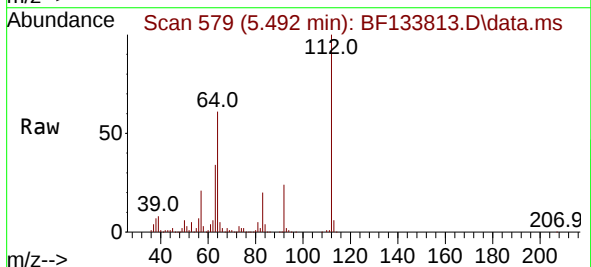
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-11

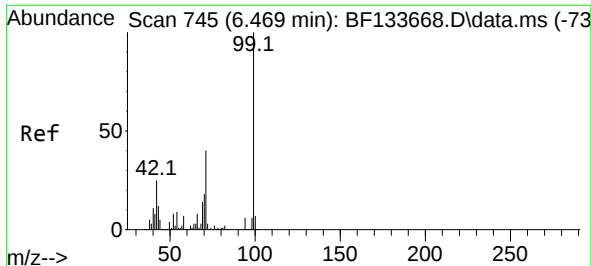
Tgt Ion:152 Resp: 89261
Ion Ratio Lower Upper
152 100
150 158.1 124.3 186.5
115 61.8 48.5 72.7



#5
2-Fluorophenol
Concen: 56.791 ng
RT: 5.492 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36

Tgt Ion:112 Resp: 291182
Ion Ratio Lower Upper
112 100
64 60.8 49.0 73.4
63 34.1 26.8 40.2

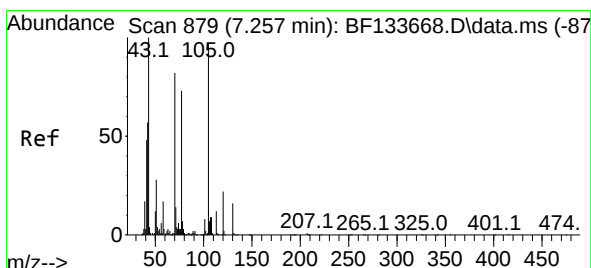
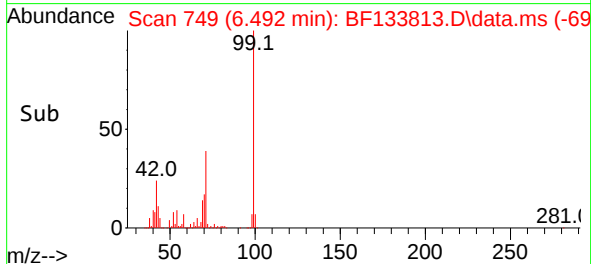
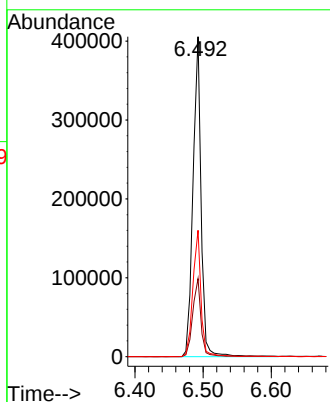
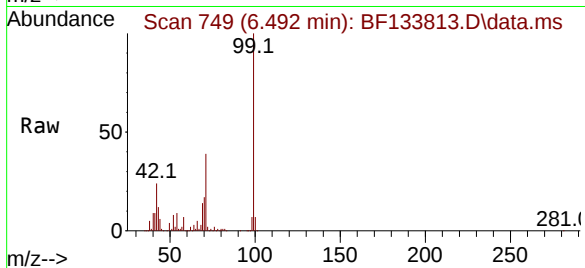




#7
Phenol-d6
Concen: 50.000 ng
RT: 6.492 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36

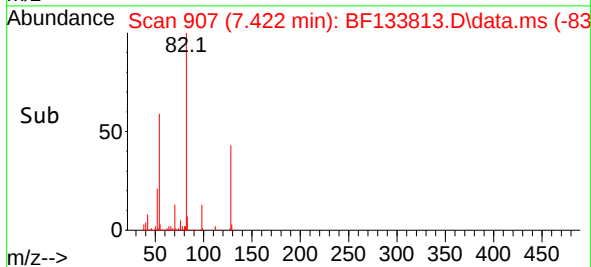
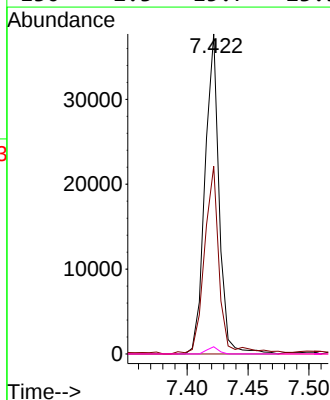
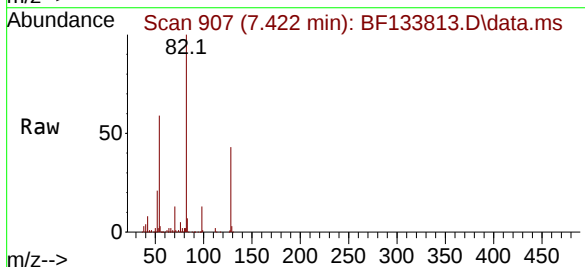
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-11

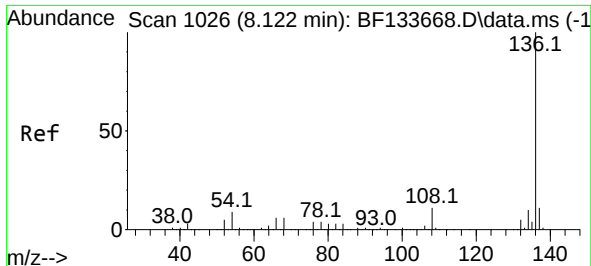
Tgt Ion: 99 Resp: 333703
Ion Ratio Lower Upper
99 100
42 24.4 19.9 29.9
71 39.5 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 7.168 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.147 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36

Tgt Ion: 70 Resp: 30436
Ion Ratio Lower Upper
70 100
42 58.7 55.8 83.8
101 0.0 8.1 12.1#
130 2.3 15.7 23.5#

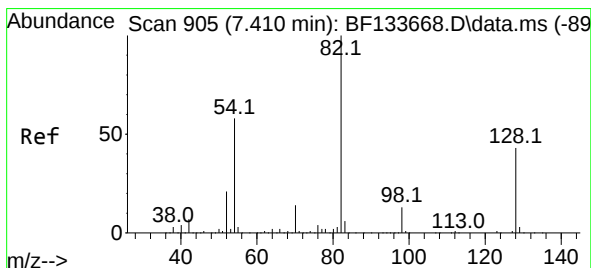
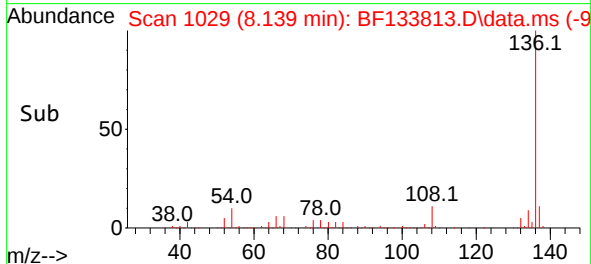
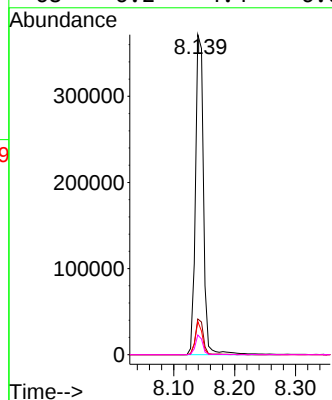
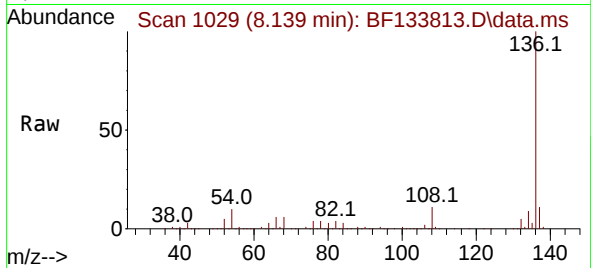




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36

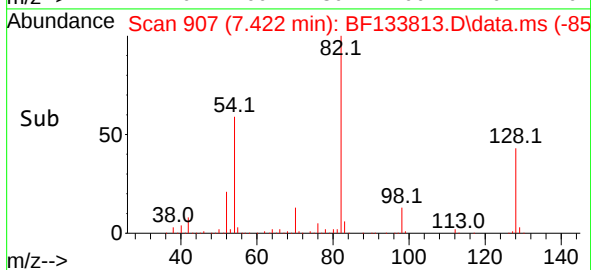
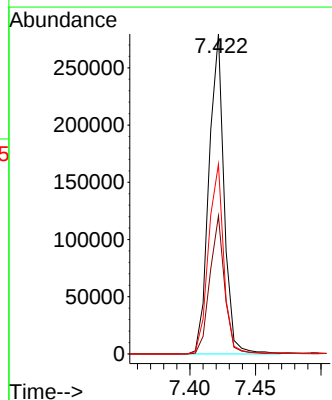
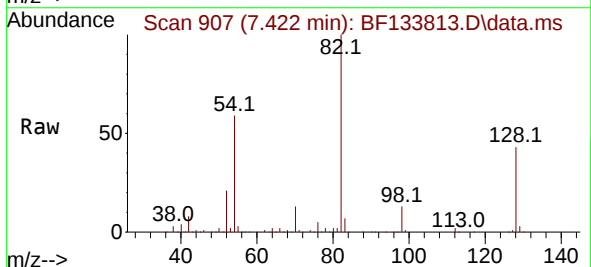
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-11

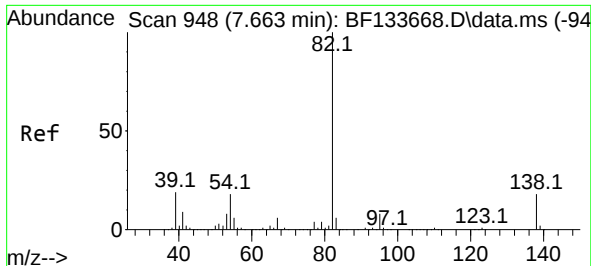
Tgt Ion:136 Resp: 340703
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 10.4 7.4 11.0
68 6.2 4.4 6.6



#23
Nitrobenzene-d5
Concen: 35.978 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36

Tgt Ion: 82 Resp: 225049
Ion Ratio Lower Upper
82 100
128 43.1 34.2 51.2
54 59.3 46.5 69.7

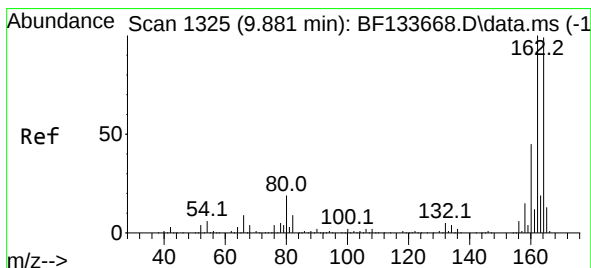
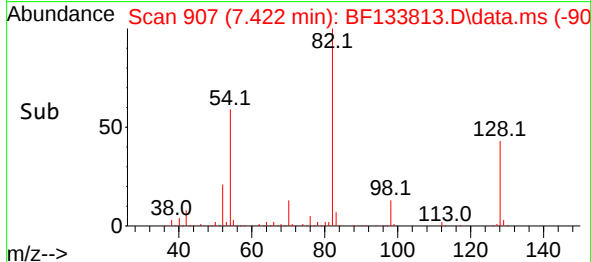
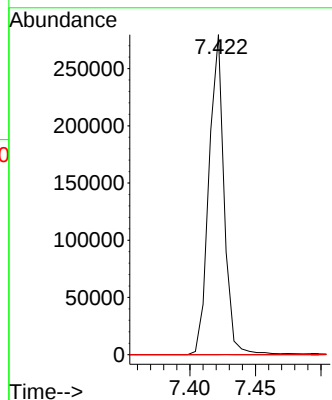
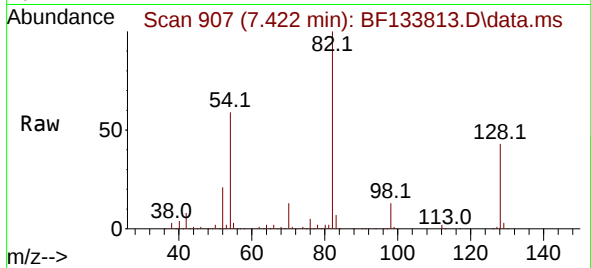




#25
Isophorone
Concen: 19.597 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36

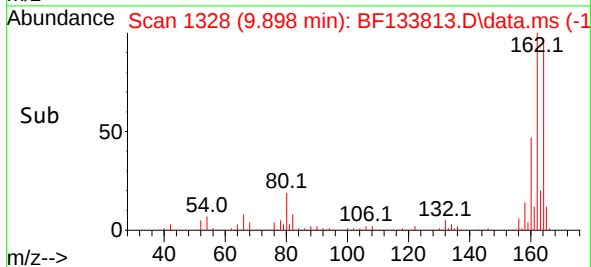
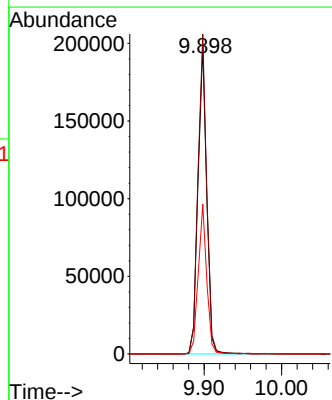
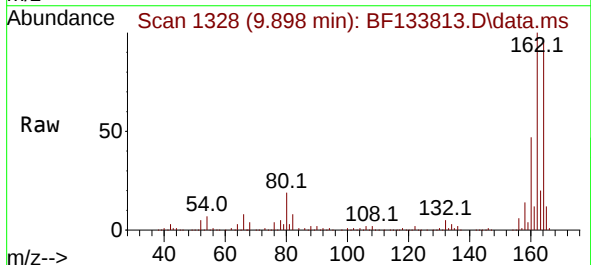
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-11

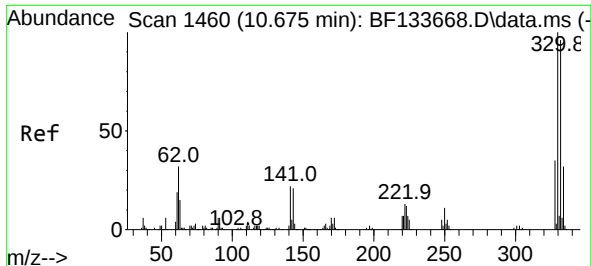
Tgt Ion: 82 Resp: 225049
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36

Tgt Ion: 164 Resp: 155158
Ion Ratio Lower Upper
164 100
162 103.9 80.8 121.2
160 48.6 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 46.344 ng

RT: 10.692 min Scan# 1463

Delta R.T. -0.000 min

Lab File: BF133813.D

Acq: 16 Jun 2023 18:36

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-11

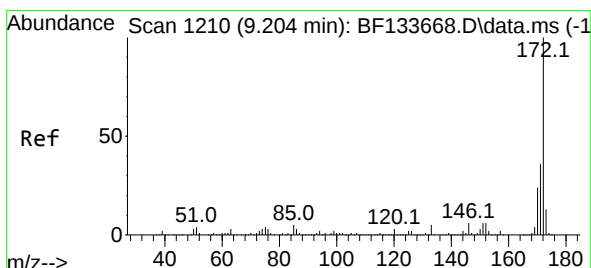
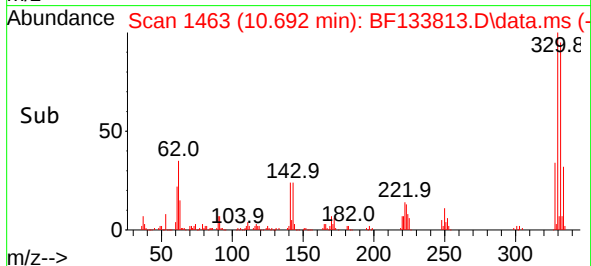
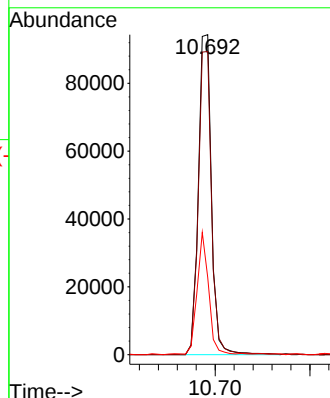
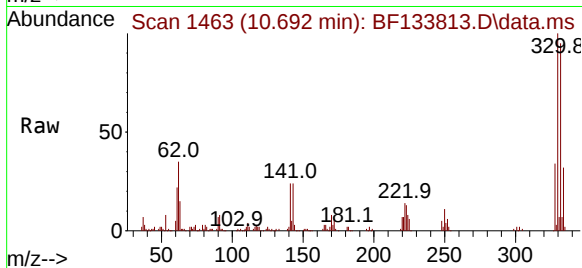
Tgt Ion:330 Resp: 91020

Ion Ratio Lower Upper

330 100

332 95.7 77.2 115.8

141 33.8 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 41.692 ng

RT: 9.216 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF133813.D

Acq: 16 Jun 2023 18:36

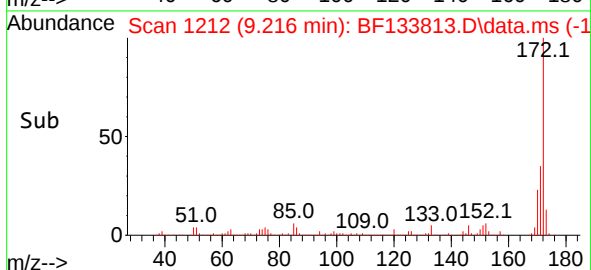
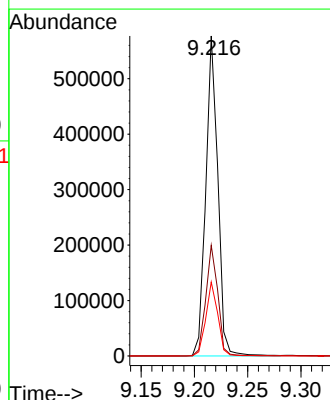
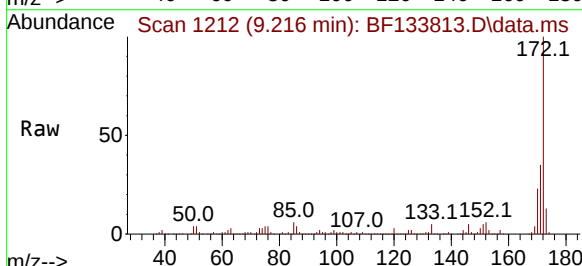
Tgt Ion:172 Resp: 455064

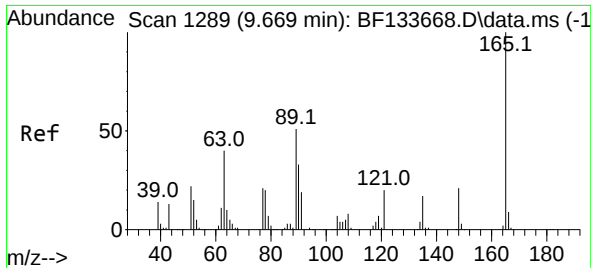
Ion Ratio Lower Upper

172 100

171 34.5 28.6 43.0

170 23.1 19.1 28.7

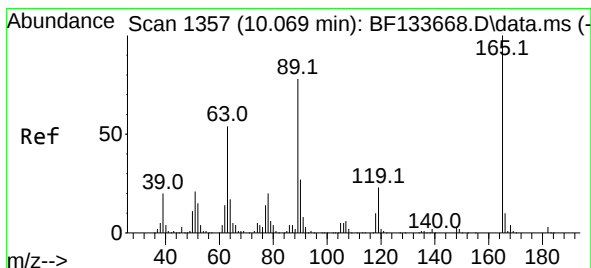
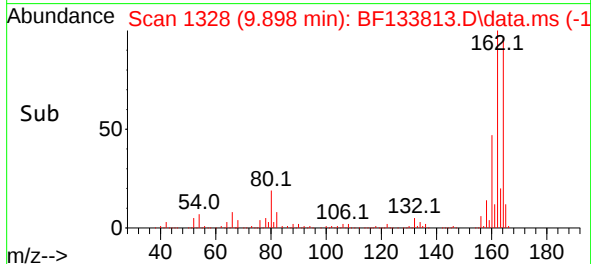
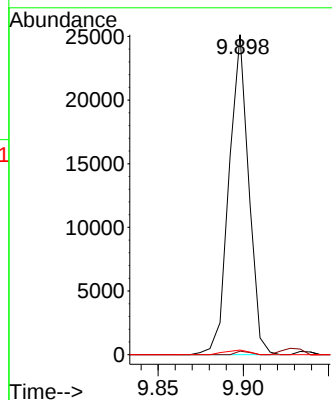
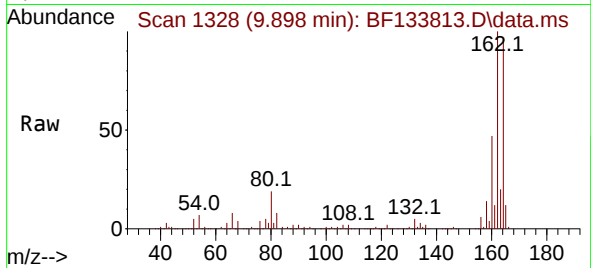




#51
2,6-Dinitrotoluene
Concen: 8.442 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36

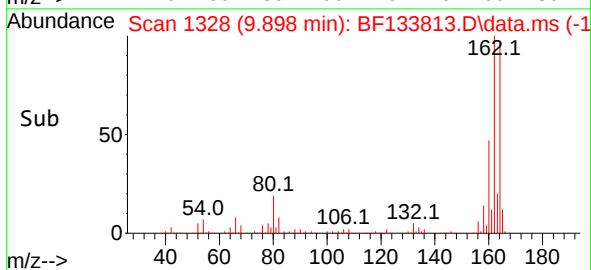
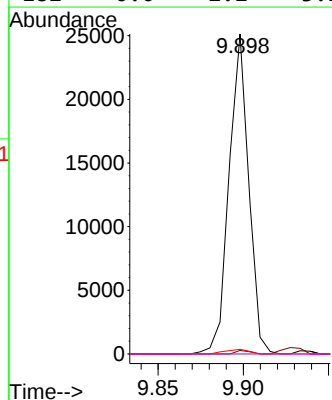
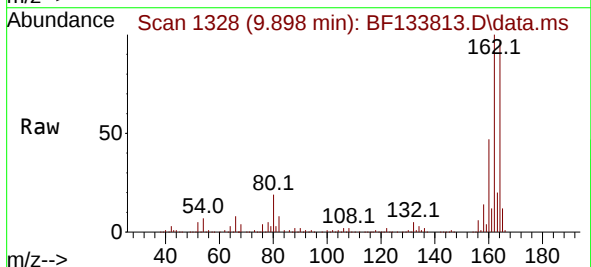
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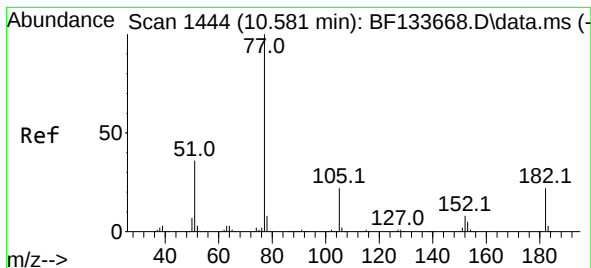
Tgt Ion:165 Resp: 20181
Ion Ratio Lower Upper
165 100
63 1.1 42.1 63.1#
89 1.5 40.9 61.3#



#57
2,4-Dinitrotoluene
Concen: 6.638 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.194 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36

Tgt Ion:165 Resp: 20181
Ion Ratio Lower Upper
165 100
63 1.1 43.0 64.6#
89 1.5 62.6 93.8#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 2.100 ng

RT: 10.610 min Scan# 1444

Delta R.T. 0.006 min

Lab File: BF133813.D

Acq: 16 Jun 2023 18:36

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-11

Tgt Ion: 77 Resp: 23429

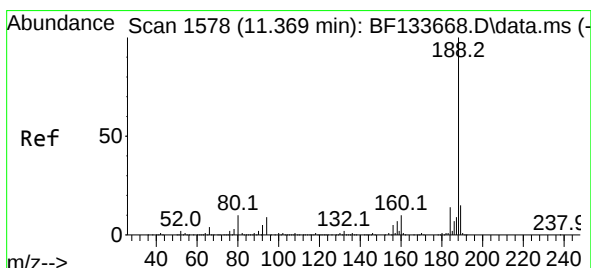
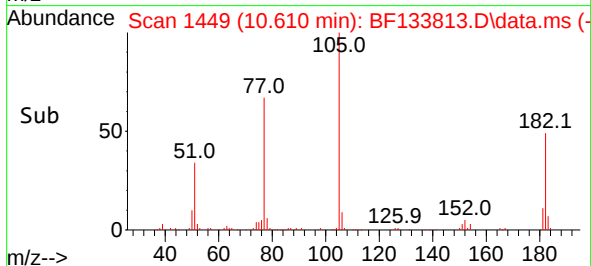
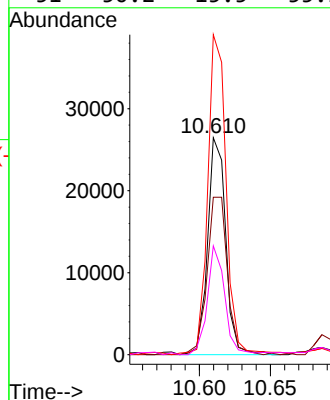
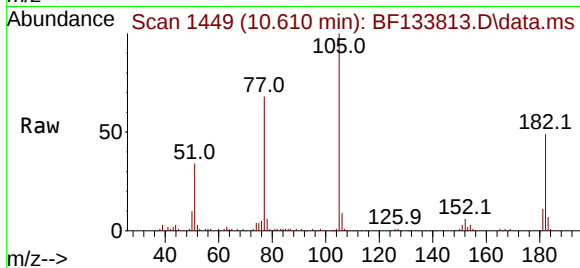
Ion Ratio Lower Upper

77 100

182 72.6 1.6 41.6#

105 147.5 1.6 41.6#

51 50.2 15.5 55.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1582

Delta R.T. -0.000 min

Lab File: BF133813.D

Acq: 16 Jun 2023 18:36

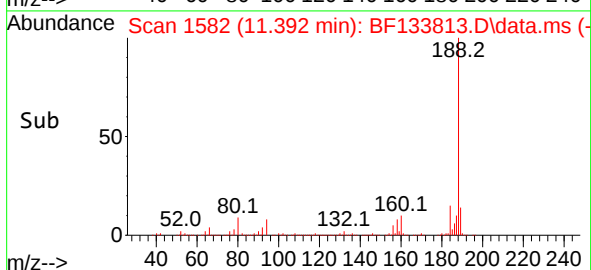
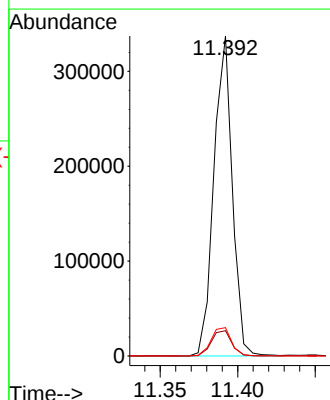
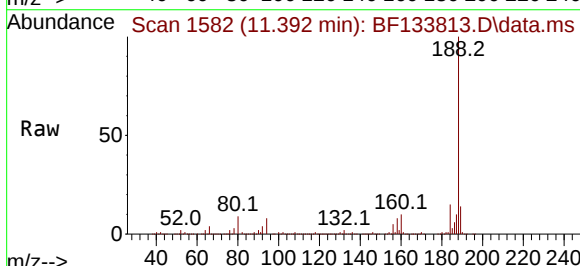
Tgt Ion: 188 Resp: 278689

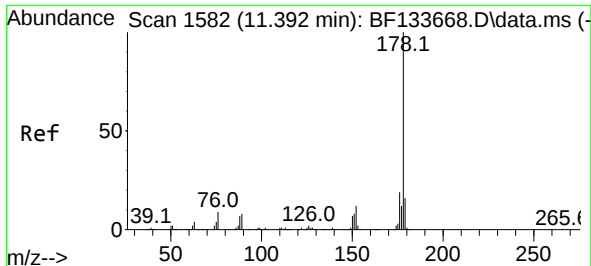
Ion Ratio Lower Upper

188 100

94 7.9 6.8 10.2

80 8.9 7.8 11.6

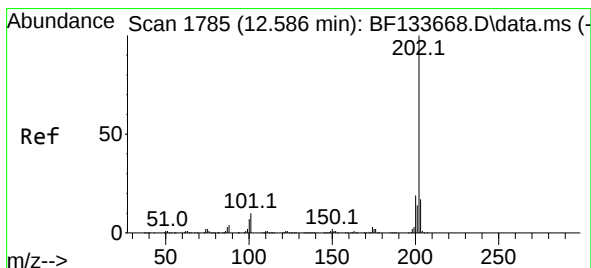
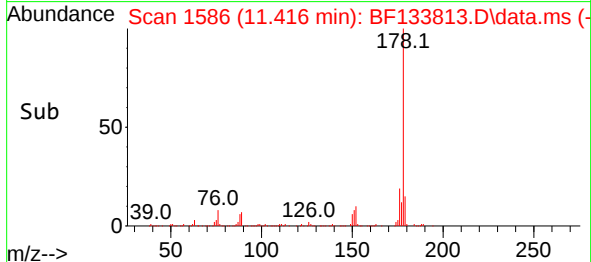
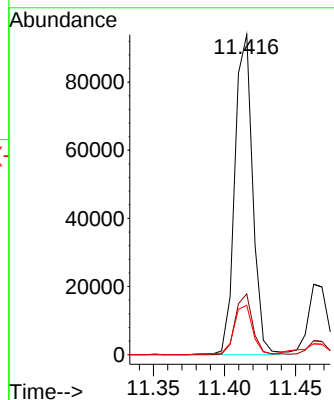
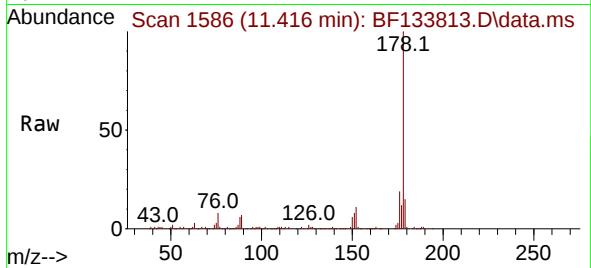




#71
Phenanthrene
Concen: 5.828 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36

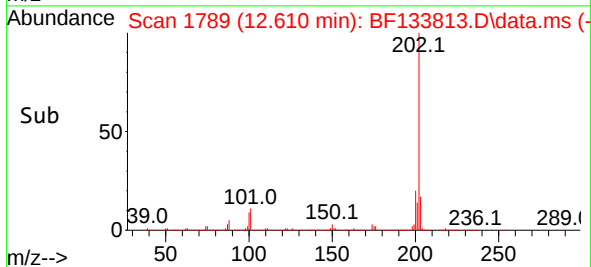
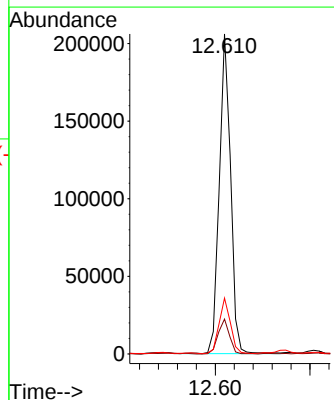
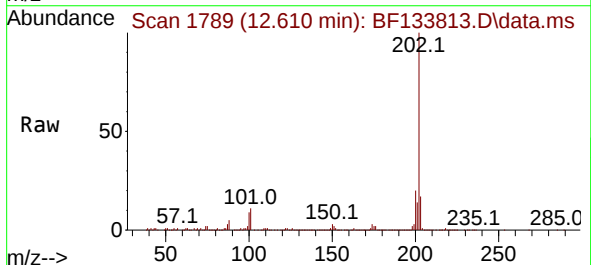
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-11

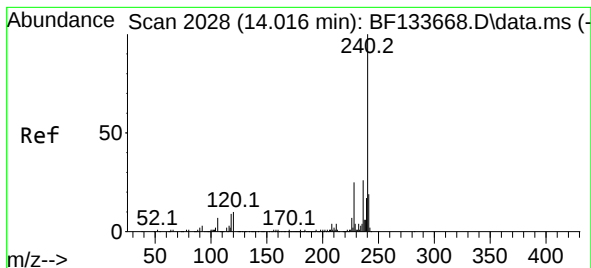
Tgt Ion:178 Resp: 82407
Ion Ratio Lower Upper
178 100
176 19.0 15.6 23.4
179 15.4 12.4 18.6



#75
Fluoranthene
Concen: 11.314 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36

Tgt Ion:202 Resp: 169884
Ion Ratio Lower Upper
202 100
101 10.9 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. -0.000 min

Lab File: BF133813.D

Acq: 16 Jun 2023 18:36

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-11

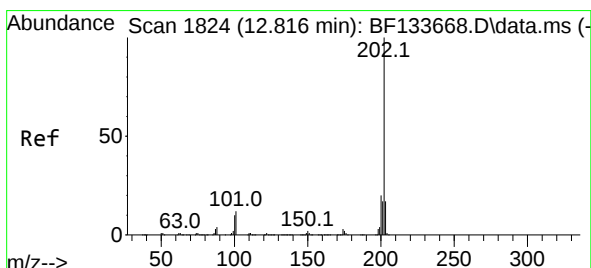
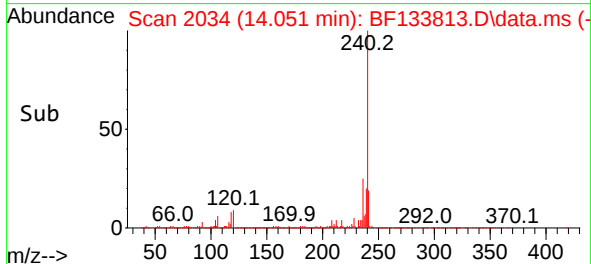
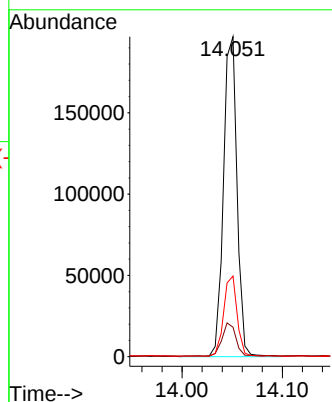
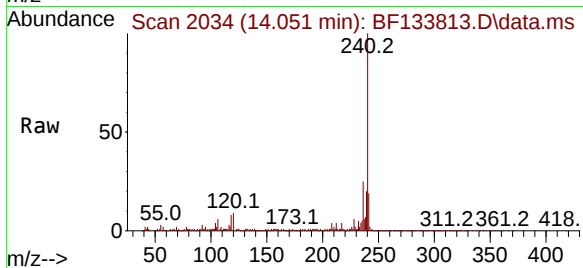
Tgt Ion:240 Resp: 184634

Ion Ratio Lower Upper

240 100

120 9.2 8.1 12.1

236 25.2 20.5 30.7



#78

Pyrene

Concen: 8.201 ng

RT: 12.839 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF133813.D

Acq: 16 Jun 2023 18:36

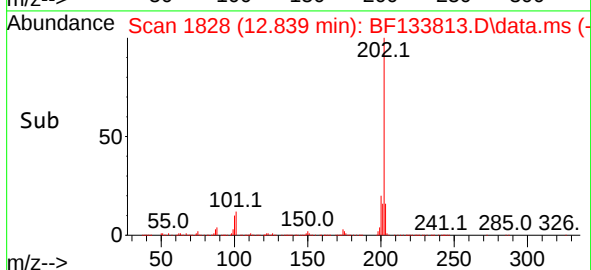
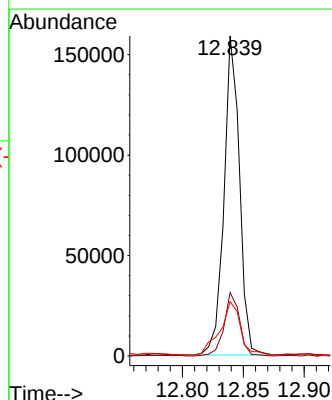
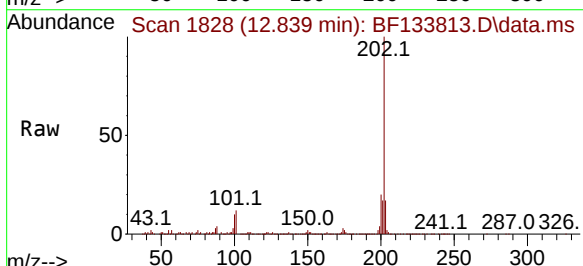
Tgt Ion:202 Resp: 141050

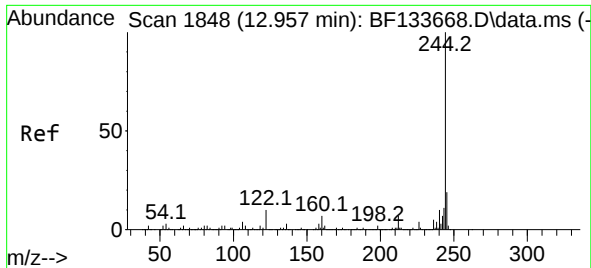
Ion Ratio Lower Upper

202 100

200 19.8 16.2 24.2

203 17.0 13.9 20.9

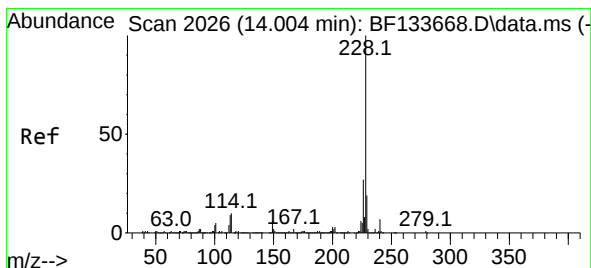
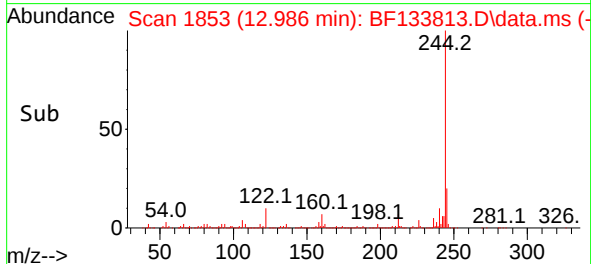
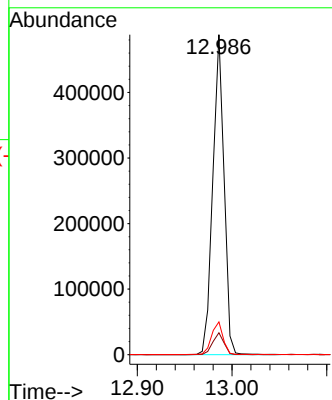
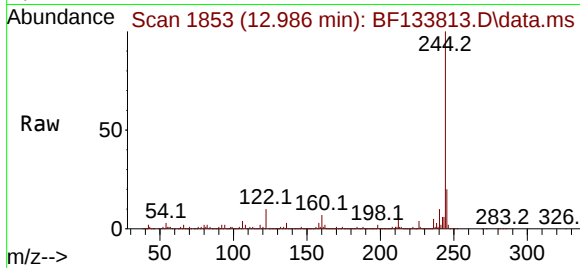




#79
 Terphenyl-d14
 Concen: 33.754 ng
 RT: 12.986 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF133813.D
 Acq: 16 Jun 2023 18:36

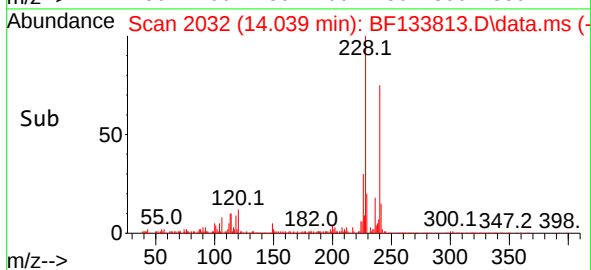
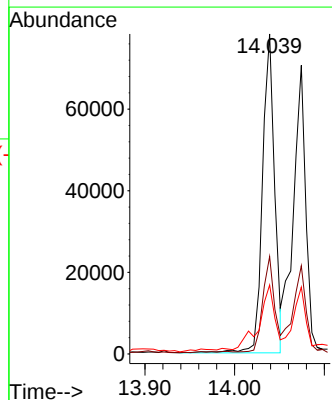
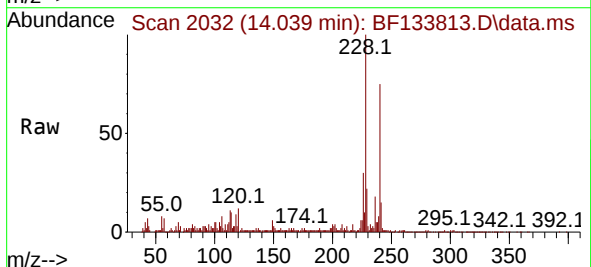
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-11

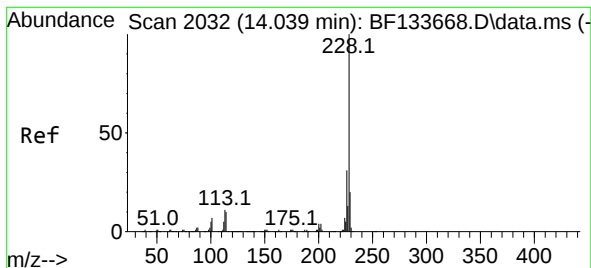
Tgt Ion:244 Resp: 402758
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.2
 122 10.2 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 5.754 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. -0.006 min
 Lab File: BF133813.D
 Acq: 16 Jun 2023 18:36

Tgt Ion:228 Resp: 73485
 Ion Ratio Lower Upper
 228 100
 226 30.5 21.7 32.5
 229 21.5 15.4 23.2





#83

Chrysene

Concen: 5.682 ng

RT: 14.074 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF133813.D

Acq: 16 Jun 2023 18:36

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-11

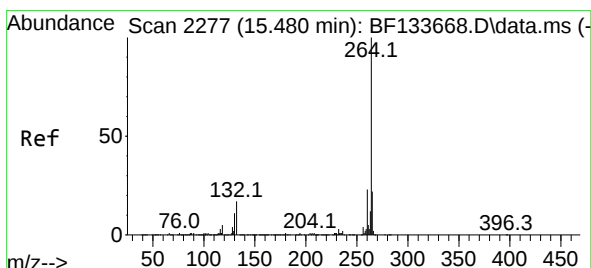
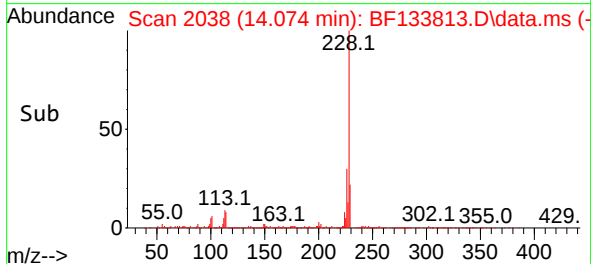
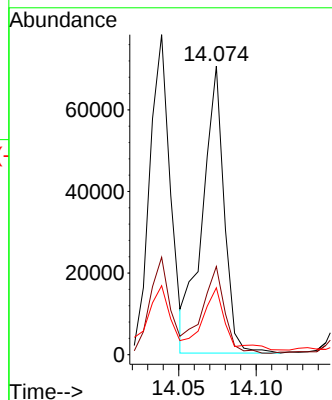
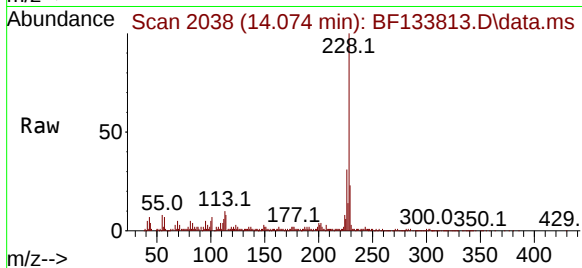
Tgt Ion:228 Resp: 68630

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.6

229 23.2 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 2291

Delta R.T. -0.000 min

Lab File: BF133813.D

Acq: 16 Jun 2023 18:36

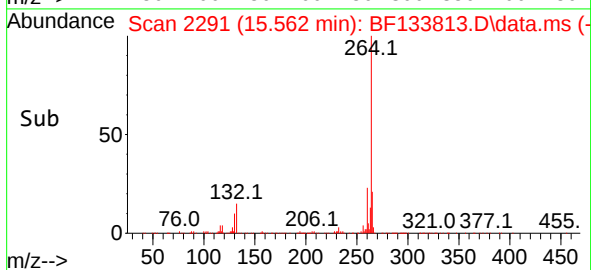
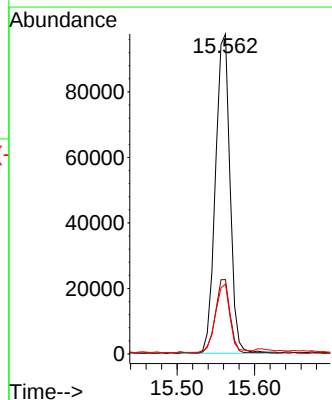
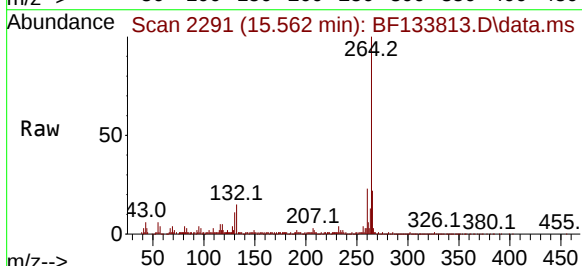
Tgt Ion:264 Resp: 127217

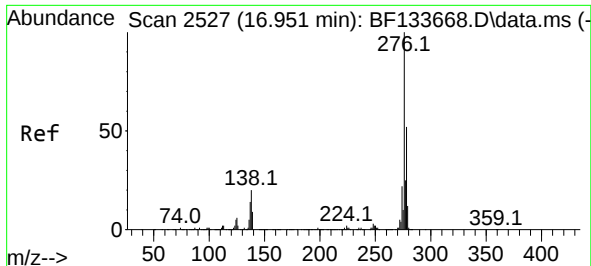
Ion Ratio Lower Upper

264 100

260 23.3 18.2 27.2

265 21.8 17.8 26.6

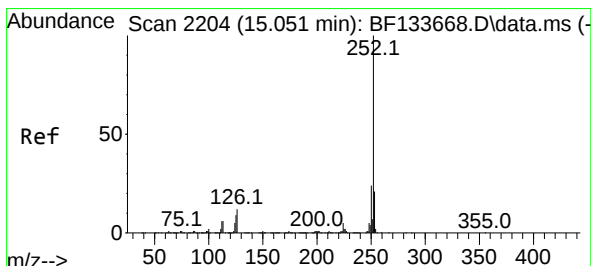
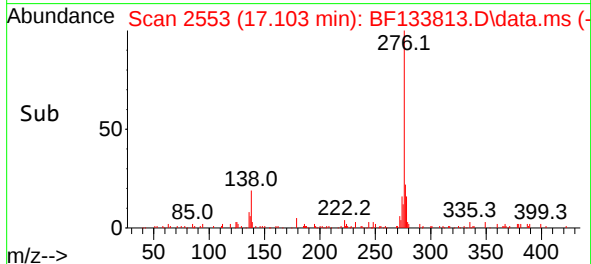
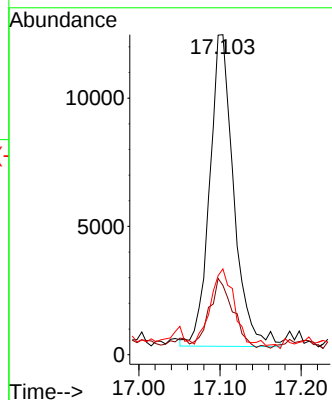
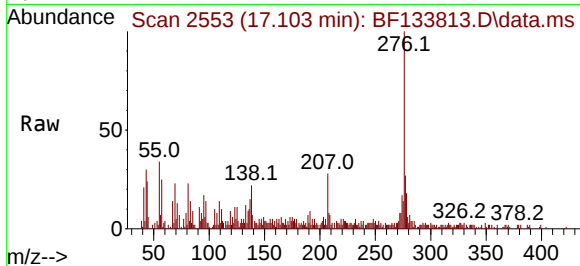




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.868 ng
RT: 17.103 min Scan# 211
Delta R.T. -0.012 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36

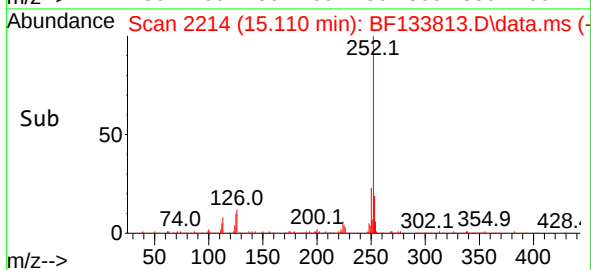
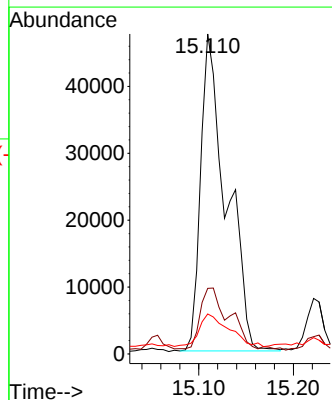
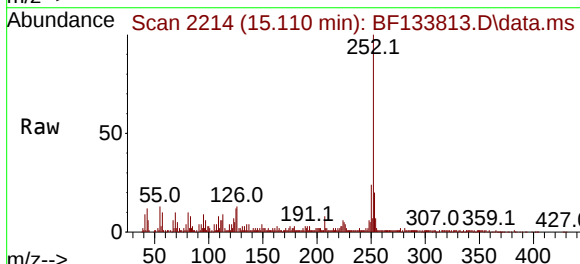
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-11

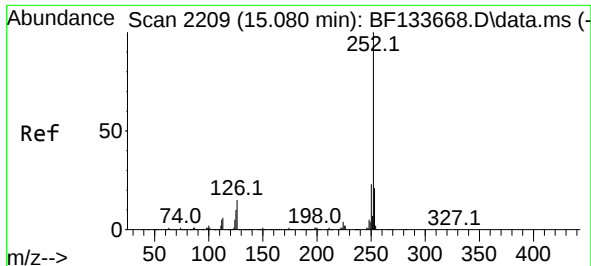
Tgt Ion:276 Resp: 25104
Ion Ratio Lower Upper
276 100
138 22.3 17.9 26.9
277 23.6 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 11.558 ng
RT: 15.110 min Scan# 2214
Delta R.T. -0.006 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36

Tgt Ion:252 Resp: 89317
Ion Ratio Lower Upper
252 100
253 20.5 17.0 25.6
125 12.5 7.3 10.9#

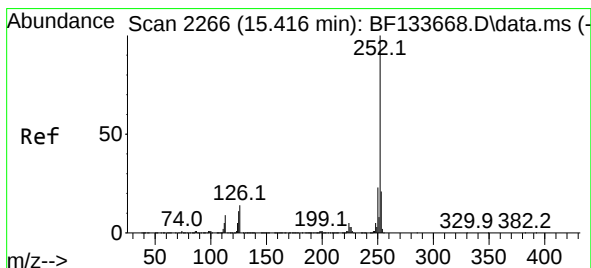
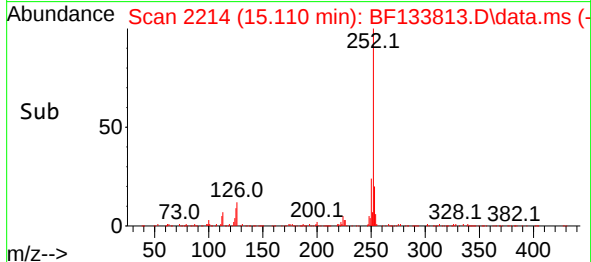
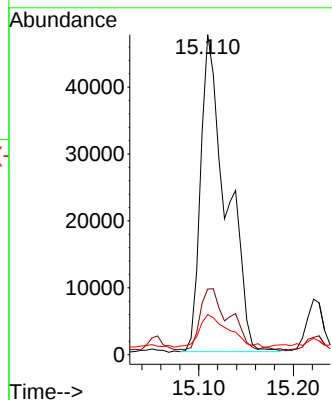
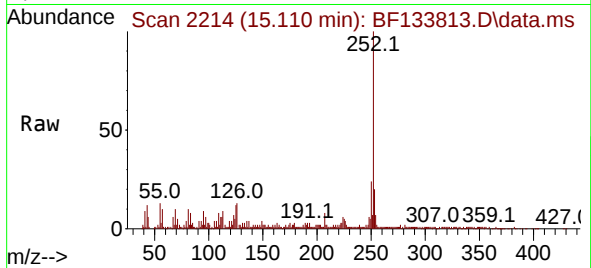




#89
Benzo(k)fluoranthene
Concen: 11.865 ng
RT: 15.110 min Scan# 211
Delta R.T. -0.035 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36

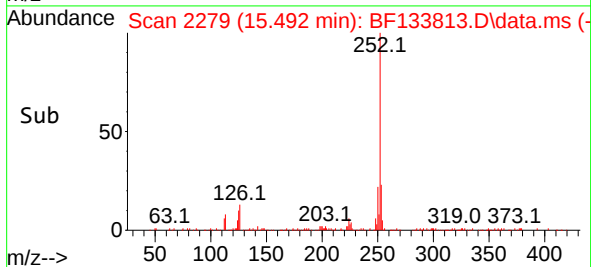
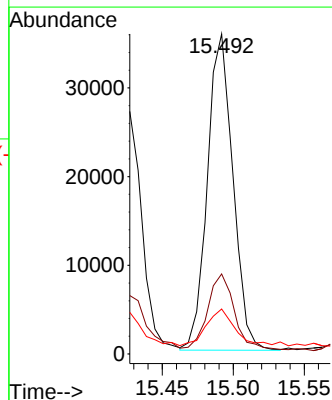
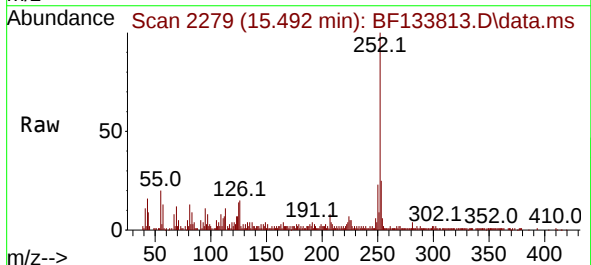
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-11

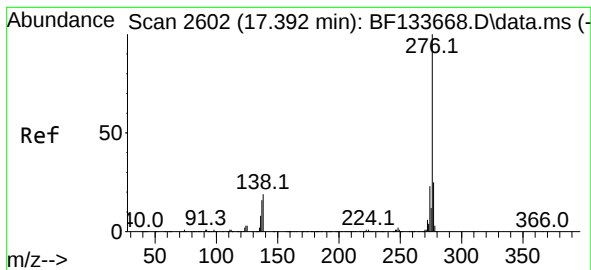
Tgt Ion:252 Resp: 89317
Ion Ratio Lower Upper
252 100
253 20.5 17.0 25.4
125 12.5 7.8 11.6#



#90
Benzo(a)pyrene
Concen: 6.220 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BF133813.D
Acq: 16 Jun 2023 18:36

Tgt Ion:252 Resp: 44609
Ion Ratio Lower Upper
252 100
253 25.0 17.1 25.7
125 14.0 8.6 13.0#





#92
 Benzo(g,h,i)perylene
 Concen: 4.138 ng
 RT: 17.568 min Scan# 20
 Delta R.T. -0.024 min
 Lab File: BF133813.D
 Acq: 16 Jun 2023 18:36

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.8	29.8
138	21.6	15.0	22.4

