

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
 Data File : BF133876.D
 Acq On : 21 Jun 2023 17:57
 Operator : CG\JU
 Sample : 03296-19
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-TW-07

Quant Time: Jun 22 05:57:41 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)

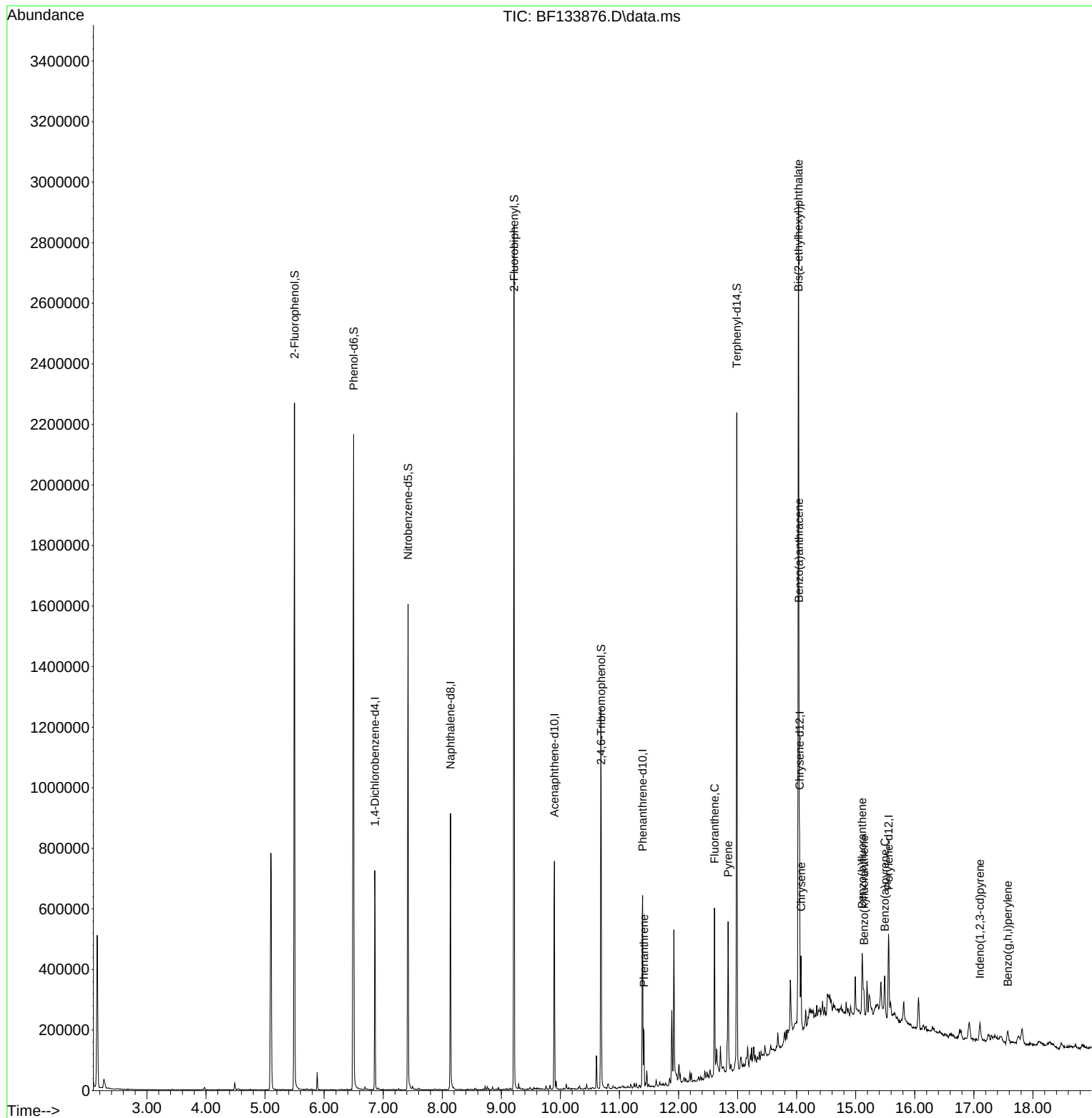
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	100110	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	354262	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	142397	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	237008	20.000	ng	0.00
76) Chrysene-d12	14.051	240	184590	20.000	ng	0.00
86) Perylene-d12	15.556	264	136634	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	550264	95.690	ng	0.01
7) Phenol-d6	6.498	99	646979	86.435	ng	0.00
23) Nitrobenzene-d5	7.422	82	441832	67.930	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	137274	76.158	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	763173	76.186	ng	0.00
79) Terphenyl-d14	12.986	244	701532	58.807	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.416	178	69562	5.785	ng	99
75) Fluoranthene	12.610	202	202696	15.874	ng	99
78) Pyrene	12.839	202	196766	11.443	ng	99
81) Benzo(a)anthracene	14.039	228	97463	7.633	ng	99
83) Chrysene	14.074	228	92671	7.674	ng	98
84) Bis(2-ethylhexyl)phtha...	14.033	149	712193	79.679	ng	99
87) Indeno(1,2,3-cd)pyrene	17.103	276	39225	4.173	ng	95
88) Benzo(b)fluoranthene	15.109	252	104052m	12.536	ng	
89) Benzo(k)fluoranthene	15.139	252	37620m	4.653	ng	
90) Benzo(a)pyrene	15.492	252	67625	8.779	ng	96
92) Benzo(g,h,i)perylene	17.574	276	39646	5.138	ng	96

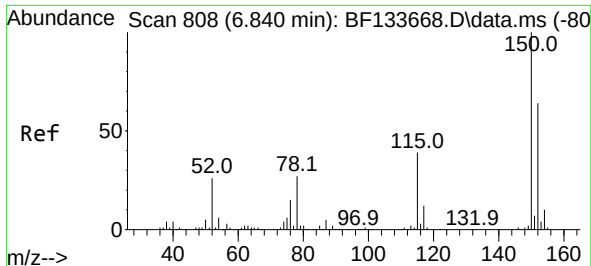
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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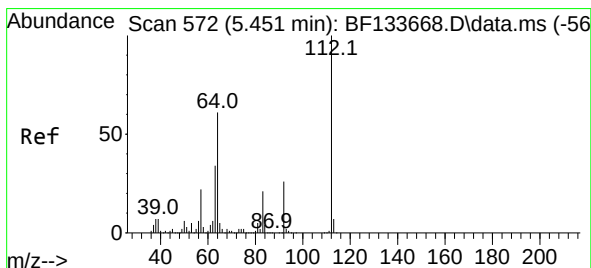
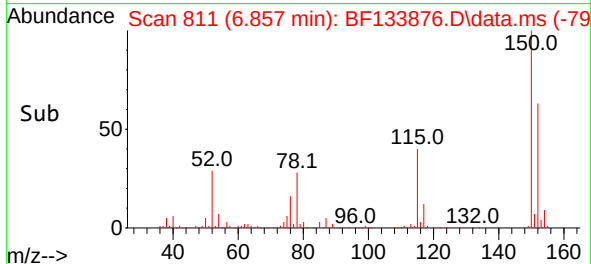
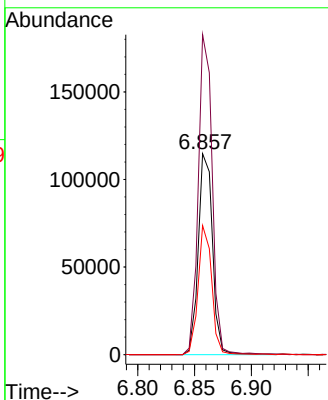
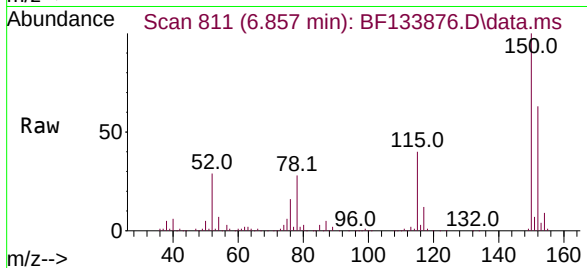




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133876.D
Acq: 21 Jun 2023 17:57

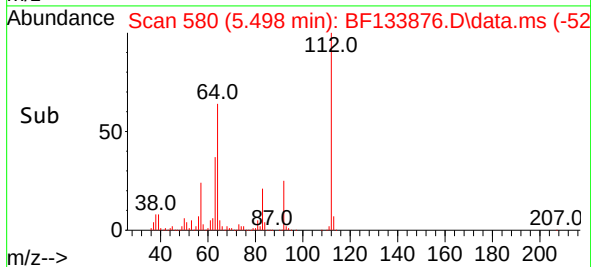
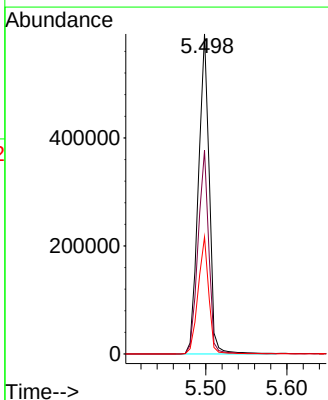
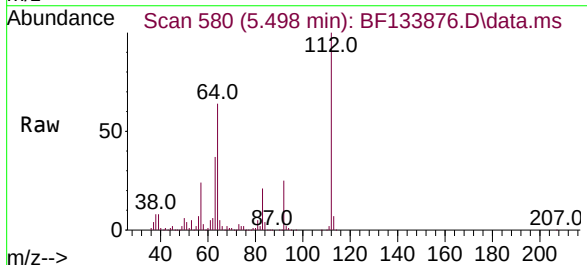
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-07

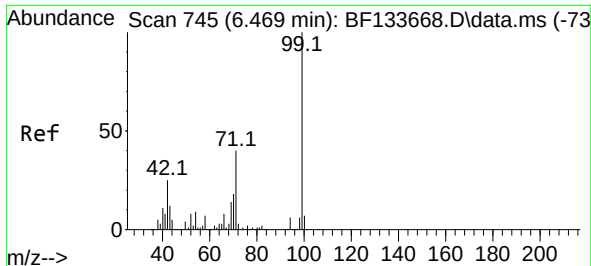
Tgt Ion:152 Resp: 100110
Ion Ratio Lower Upper
152 100
150 159.3 124.3 186.5
115 64.3 48.5 72.7



#5
2-Fluorophenol
Concen: 95.690 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF133876.D
Acq: 21 Jun 2023 17:57

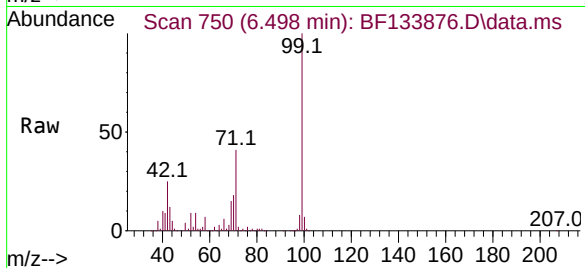
Tgt Ion:112 Resp: 550264
Ion Ratio Lower Upper
112 100
64 63.6 49.0 73.4
63 36.5 26.8 40.2



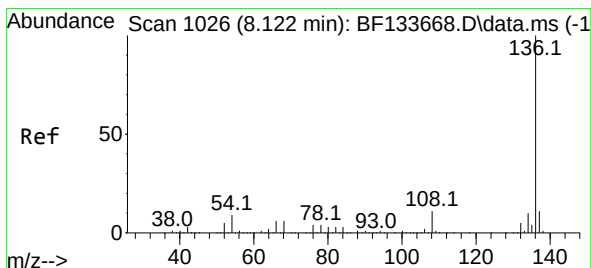
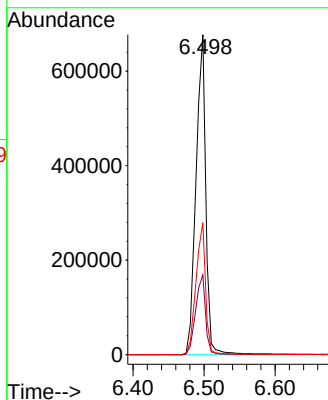
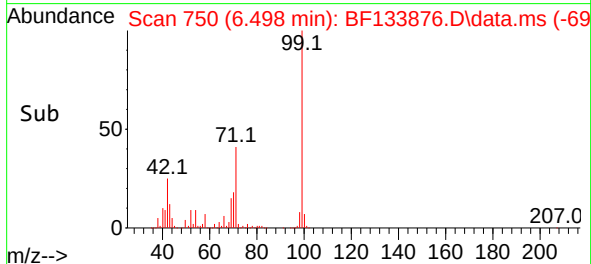


#7
Phenol-d6
Concen: 86.435 ng
RT: 6.498 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF133876.D
Acq: 21 Jun 2023 17:57

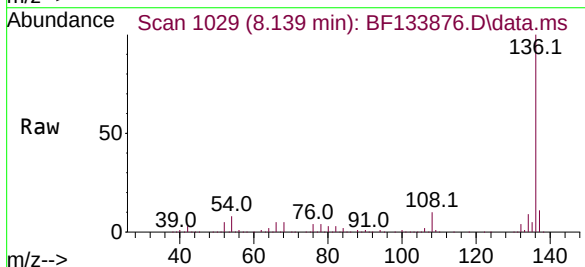
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-07



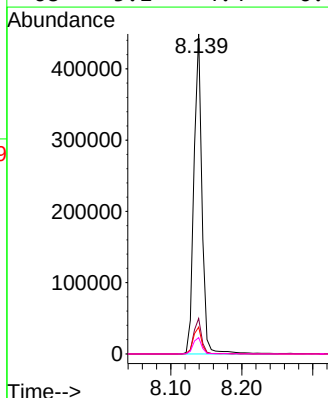
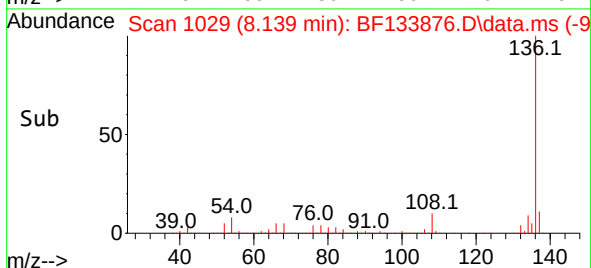
Tgt Ion: 99 Resp: 646979
Ion Ratio Lower Upper
99 100
42 24.9 19.9 29.9
71 41.2 32.2 48.4

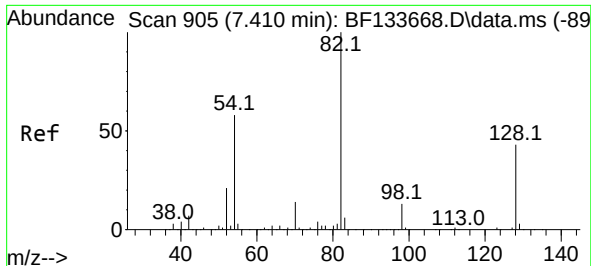


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.000 min
Lab File: BF133876.D
Acq: 21 Jun 2023 17:57



Tgt Ion: 136 Resp: 354262
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.4 7.4 11.0
68 5.1 4.4 6.6





#23

Nitrobenzene-d5

Concen: 67.930 ng

RT: 7.422 min Scan# 905

Delta R.T. -0.000 min

Lab File: BF133876.D

Acq: 21 Jun 2023 17:57

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-TW-07

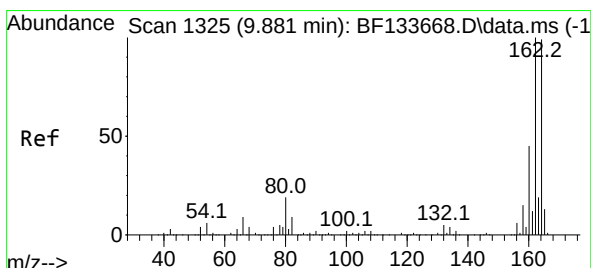
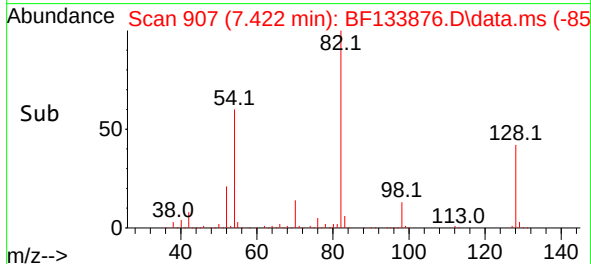
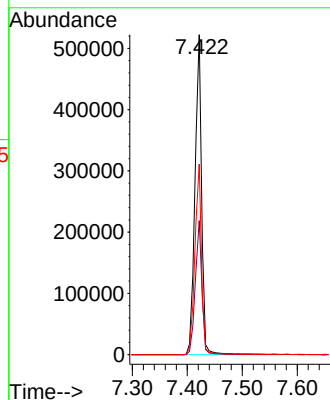
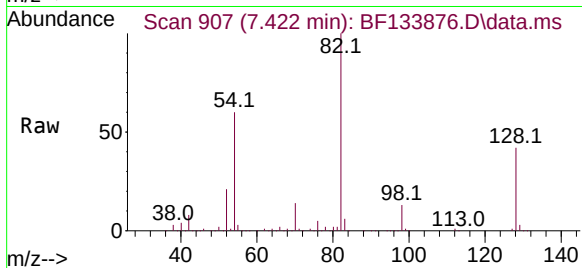
Tgt Ion: 82 Resp: 441832

Ion Ratio Lower Upper

82 100

128 41.9 34.2 51.2

54 59.5 46.5 69.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1328

Delta R.T. -0.000 min

Lab File: BF133876.D

Acq: 21 Jun 2023 17:57

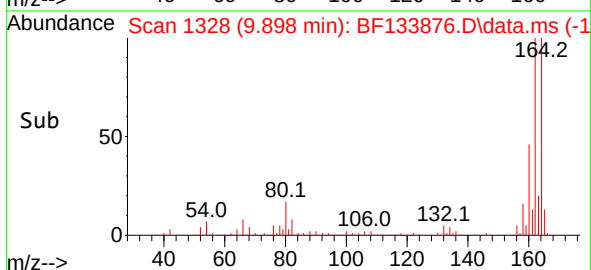
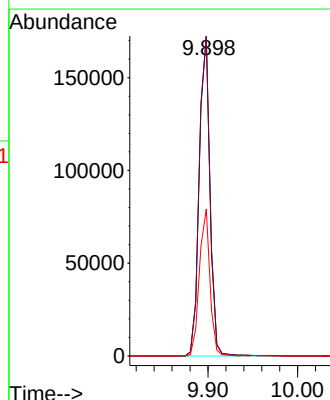
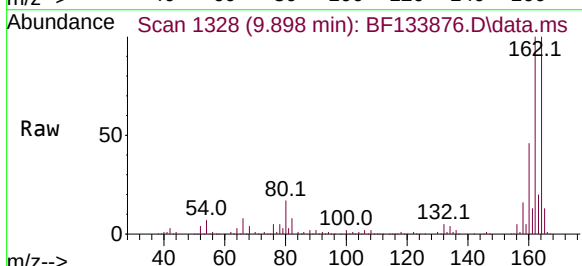
Tgt Ion:164 Resp: 142397

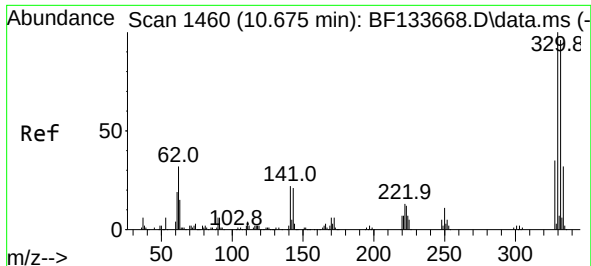
Ion Ratio Lower Upper

164 100

162 100.2 80.8 121.2

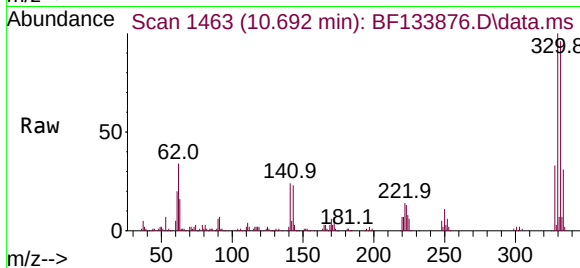
160 46.0 36.7 55.1



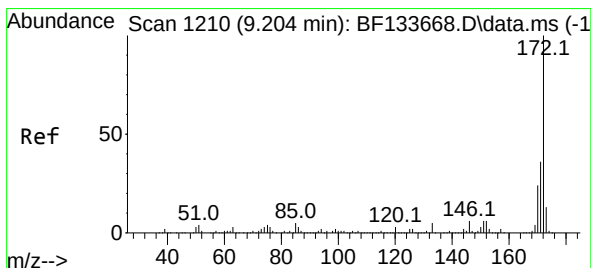
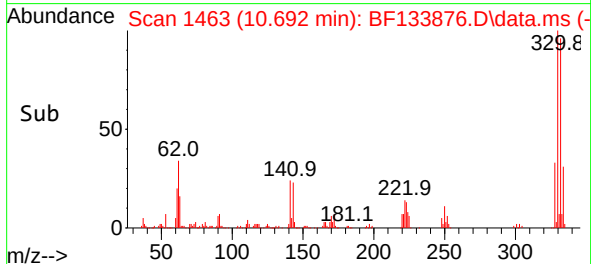
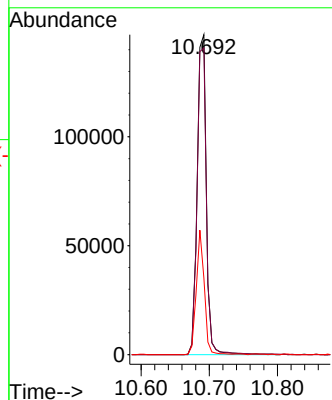


#42
2,4,6-Tribromophenol
Concen: 76.158 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF133876.D
Acq: 21 Jun 2023 17:57

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-07

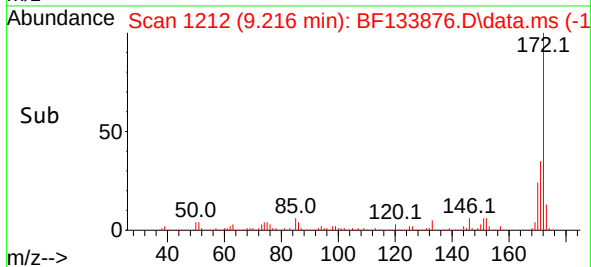
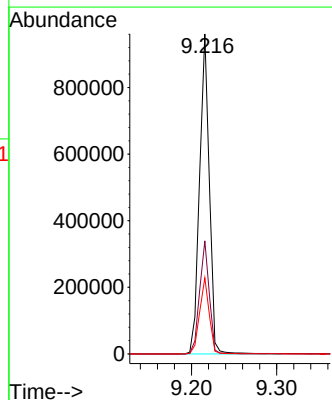
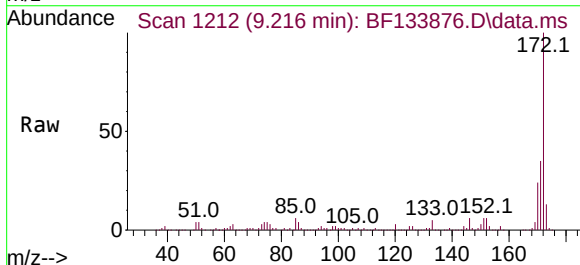


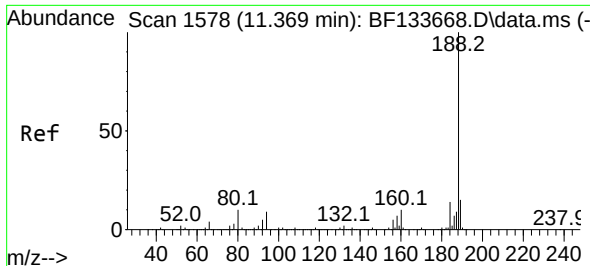
Tgt Ion:330 Resp: 137274
Ion Ratio Lower Upper
330 100
332 97.4 77.2 115.8
141 34.1 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 76.186 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.000 min
Lab File: BF133876.D
Acq: 21 Jun 2023 17:57

Tgt Ion:172 Resp: 763173
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 23.8 19.1 28.7

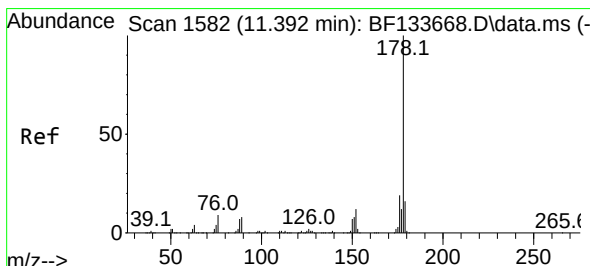
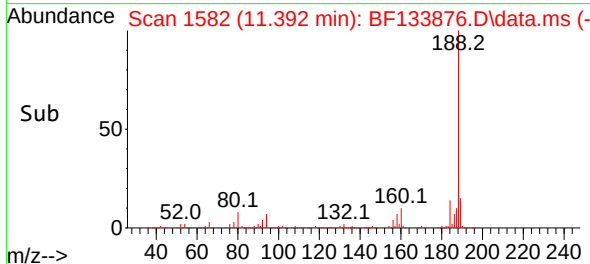
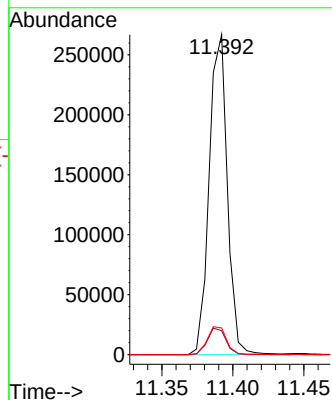
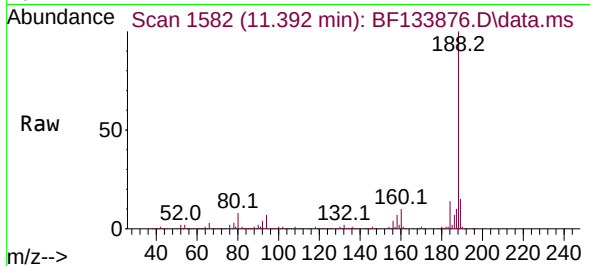




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF133876.D
Acq: 21 Jun 2023 17:57

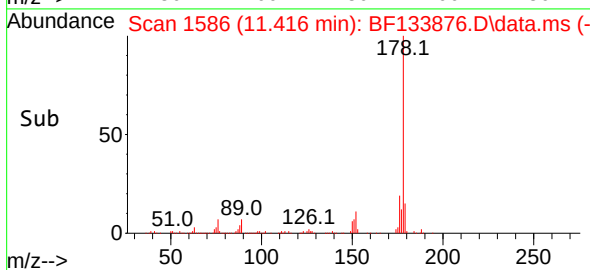
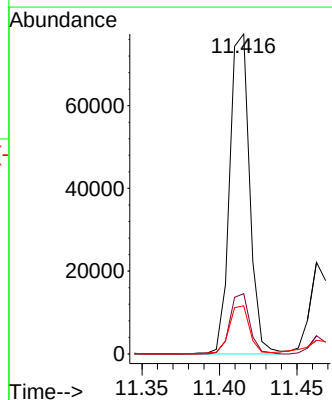
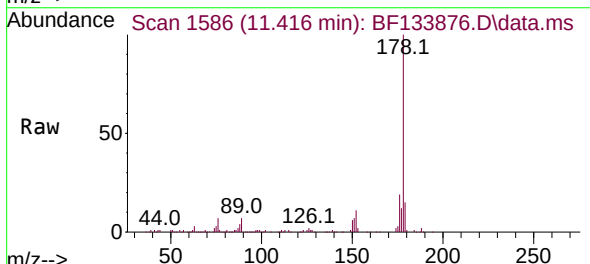
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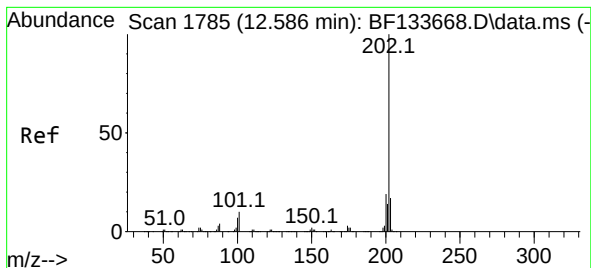
Tgt Ion:188 Resp: 237008
Ion Ratio Lower Upper
188 100
94 7.5 6.8 10.2
80 8.3 7.8 11.6



#71
Phenanthrene
Concen: 5.785 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF133876.D
Acq: 21 Jun 2023 17:57

Tgt Ion:178 Resp: 69562
Ion Ratio Lower Upper
178 100
176 18.8 15.6 23.4
179 15.0 12.4 18.6





#75

Fluoranthene

Concen: 15.874 ng

RT: 12.610 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF133876.D

Acq: 21 Jun 2023 17:57

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-TW-07

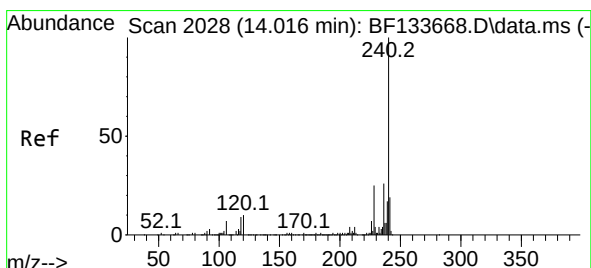
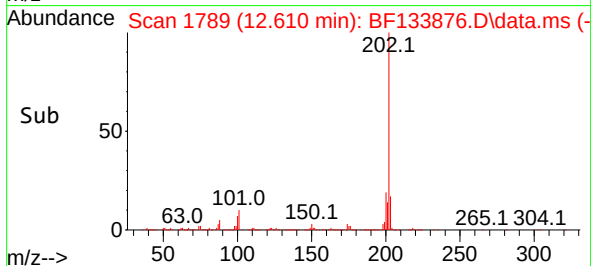
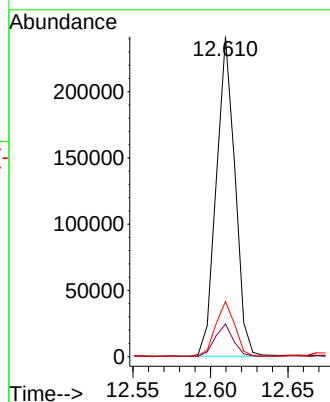
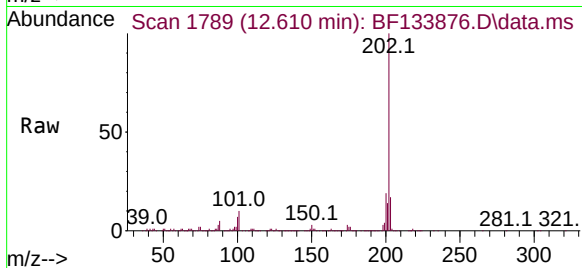
Tgt Ion:202 Resp: 202696

Ion Ratio Lower Upper

202 100

101 10.2 0.0 29.6

203 17.2 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: BF133876.D

Acq: 21 Jun 2023 17:57

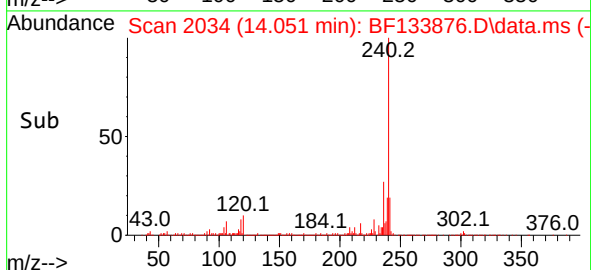
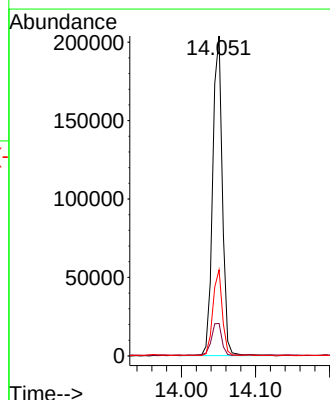
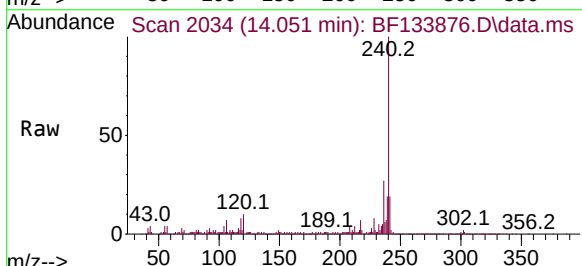
Tgt Ion:240 Resp: 184590

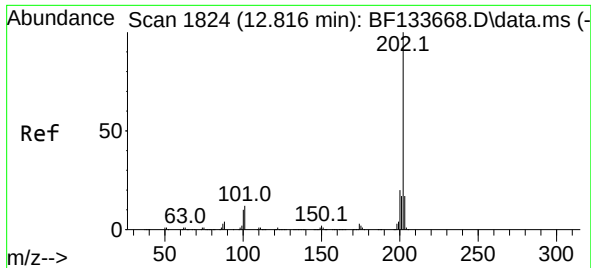
Ion Ratio Lower Upper

240 100

120 10.1 8.1 12.1

236 26.9 20.5 30.7

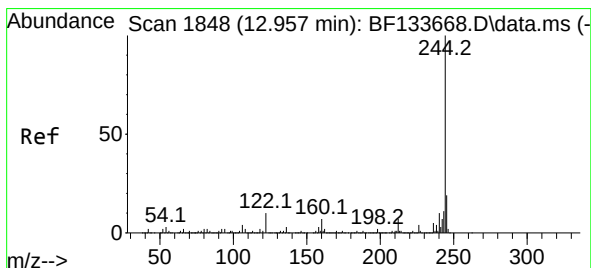
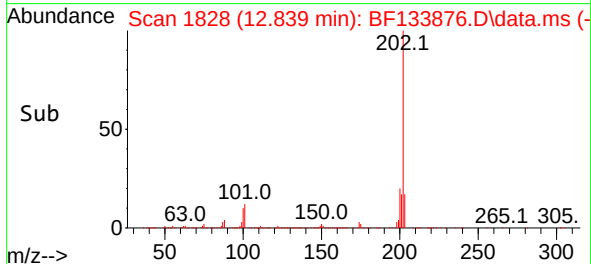
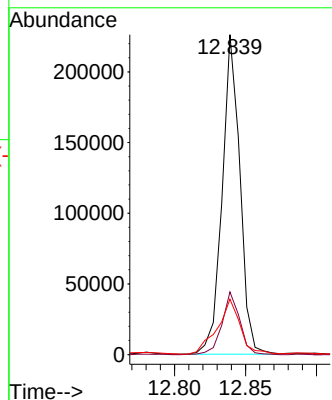
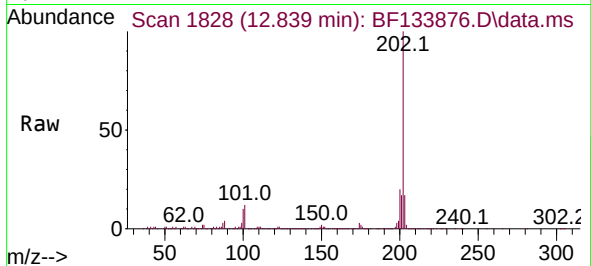




#78
Pyrene
Concen: 11.443 ng
RT: 12.839 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BF133876.D
Acq: 21 Jun 2023 17:57

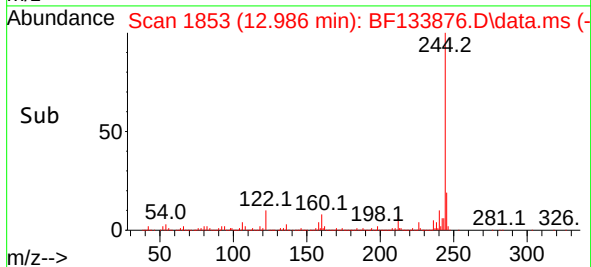
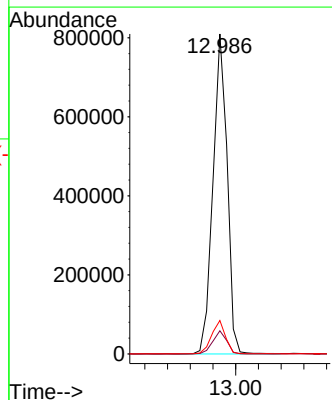
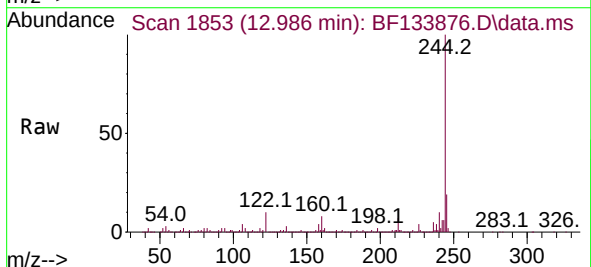
Instrument :
BNA_F
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COMPOSIT-TW-07

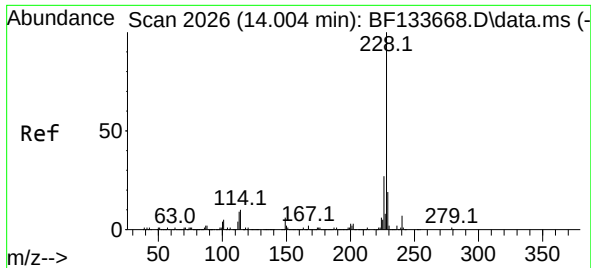
Tgt Ion:202 Resp: 196766
Ion Ratio Lower Upper
202 100
200 19.6 16.2 24.2
203 17.3 13.9 20.9



#79
Terphenyl-d14
Concen: 58.807 ng
RT: 12.986 min Scan# 1853
Delta R.T. -0.000 min
Lab File: BF133876.D
Acq: 21 Jun 2023 17:57

Tgt Ion:244 Resp: 701532
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.2
122 10.4 8.1 12.1

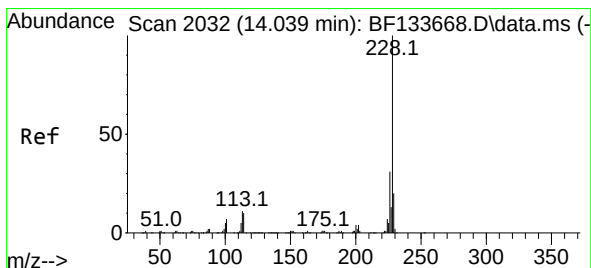
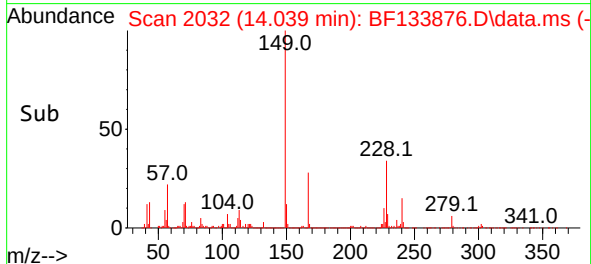
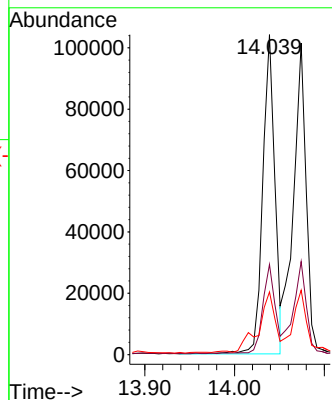
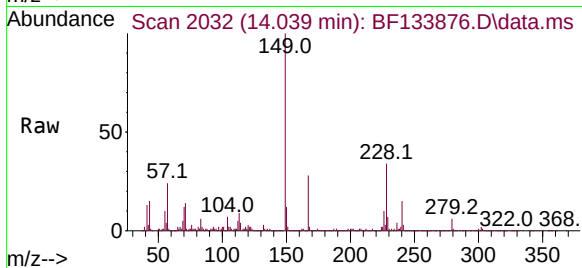




#81
Benzo(a)anthracene
Concen: 7.633 ng
RT: 14.039 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF133876.D
Acq: 21 Jun 2023 17:57

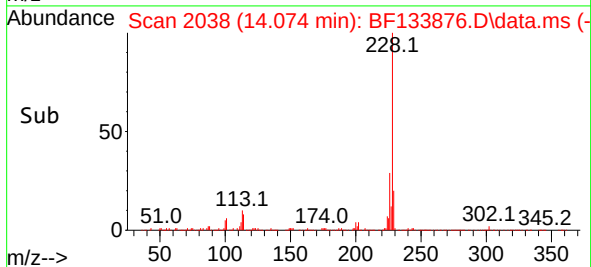
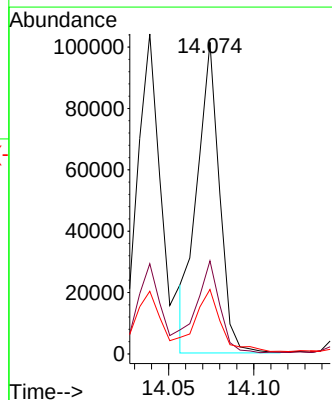
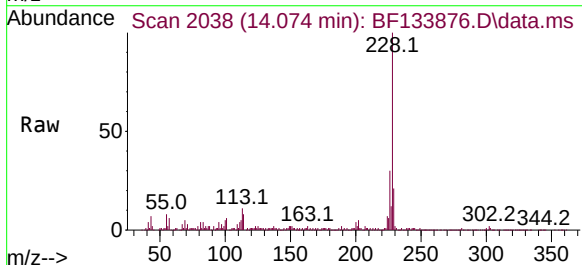
Instrument :
BNA_F
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COMPOSIT-TW-07

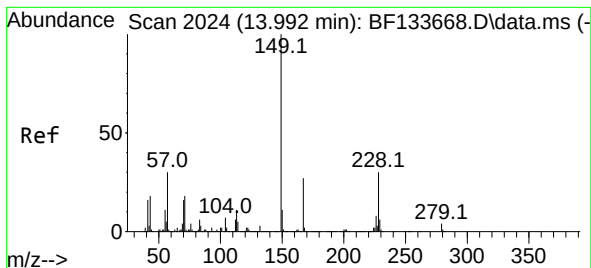
Tgt Ion:228 Resp: 97463
Ion Ratio Lower Upper
228 100
226 28.2 21.7 32.5
229 19.6 15.4 23.2



#83
Chrysene
Concen: 7.674 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.000 min
Lab File: BF133876.D
Acq: 21 Jun 2023 17:57

Tgt Ion:228 Resp: 92671
Ion Ratio Lower Upper
228 100
226 29.9 25.0 37.6
229 20.7 15.8 23.8

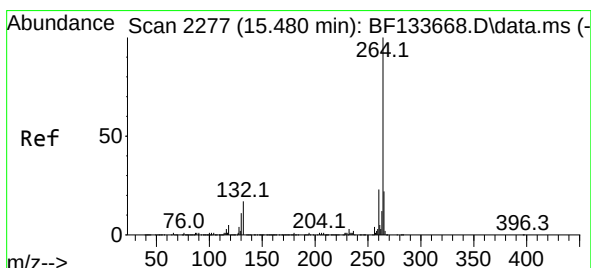
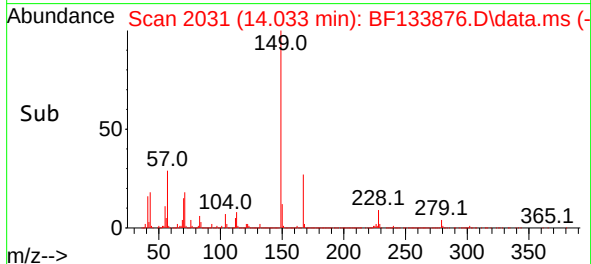
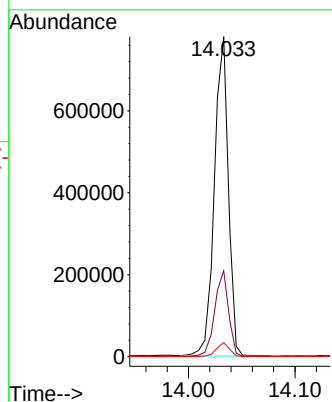
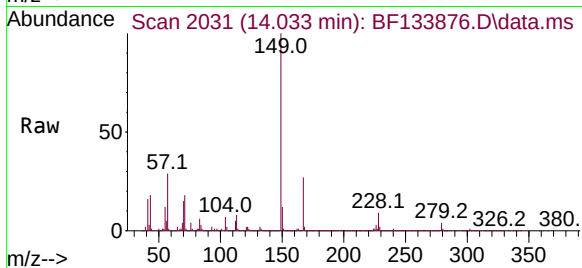




#84
Bis(2-ethylhexyl)phthalate
Concen: 79.679 ng
RT: 14.033 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF133876.D
Acq: 21 Jun 2023 17:57

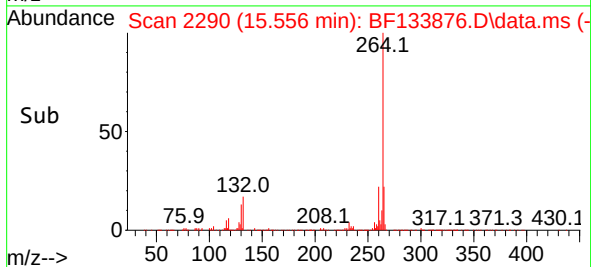
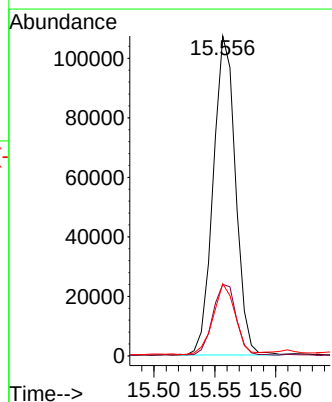
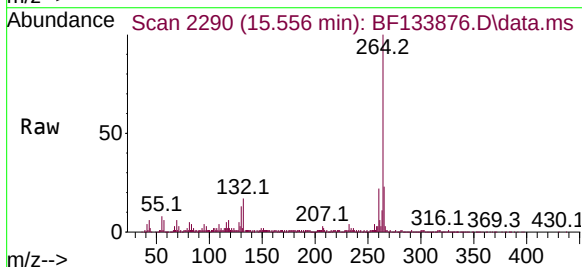
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-07

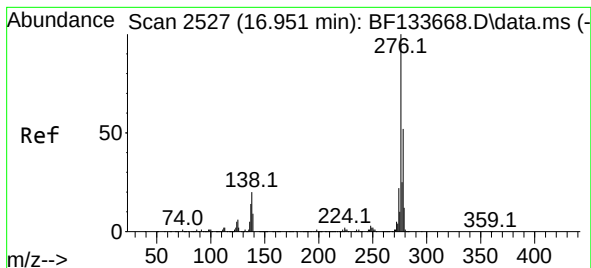
Tgt Ion:149 Resp: 712193
Ion Ratio Lower Upper
149 100
167 26.8 21.8 32.8
279 4.4 3.3 4.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.556 min Scan# 2290
Delta R.T. 0.006 min
Lab File: BF133876.D
Acq: 21 Jun 2023 17:57

Tgt Ion:264 Resp: 136634
Ion Ratio Lower Upper
264 100
260 22.4 18.2 27.2
265 22.5 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.173 ng

RT: 17.103 min Scan# 2114

Delta R.T. 0.006 min

Lab File: BF133876.D

Acq: 21 Jun 2023 17:57

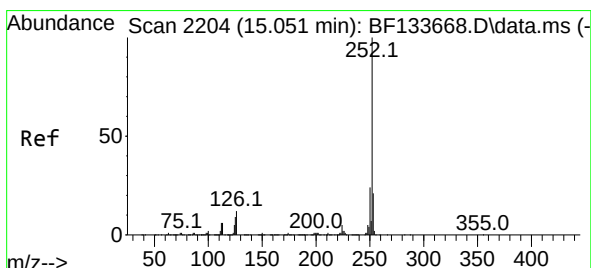
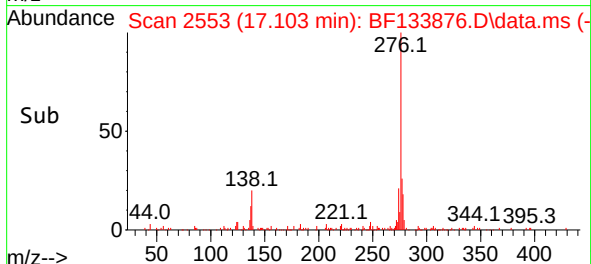
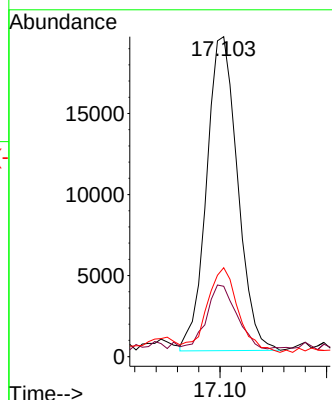
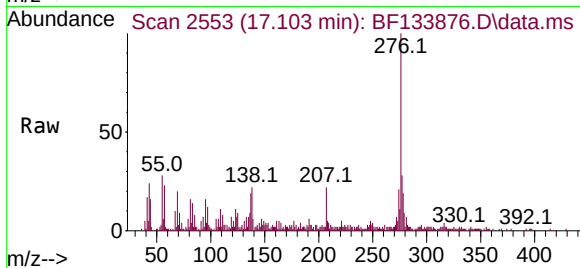
Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:	276	Resp:	39225
Ion Ratio	Lower	Upper	
276	100		
138	19.8	17.9	26.9
277	27.3	20.3	30.5



#88

Benzo(b)fluoranthene

Concen: 12.536 ng m

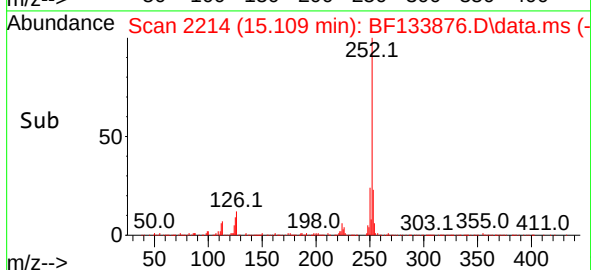
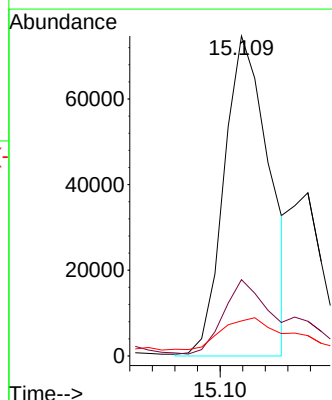
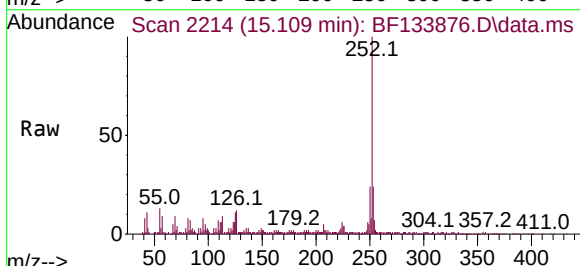
RT: 15.109 min Scan# 2214

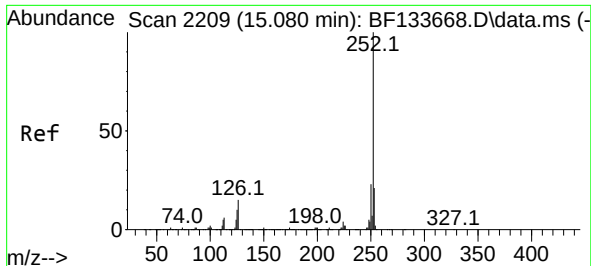
Delta R.T. 0.006 min

Lab File: BF133876.D

Acq: 21 Jun 2023 17:57

Tgt Ion:	252	Resp:	104052
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.0	25.6
125	10.9	7.3	10.9

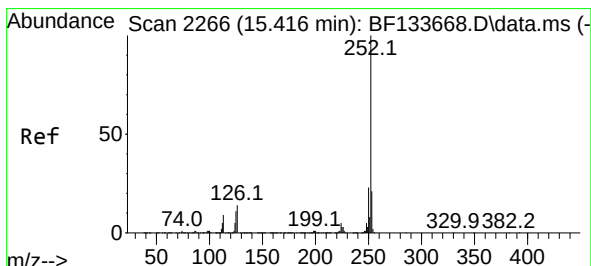
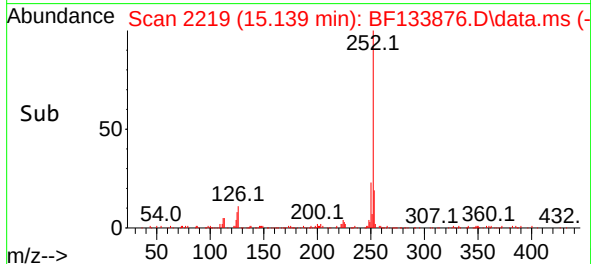
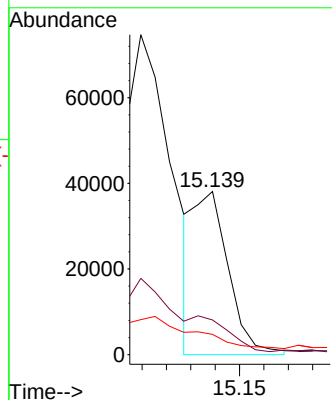
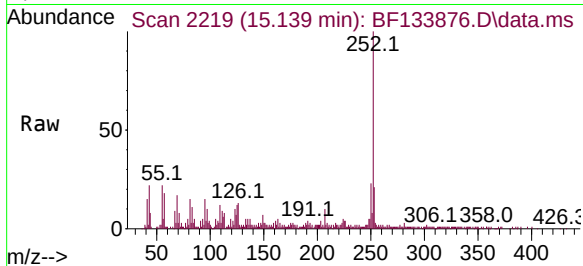




#89
Benzo(k)fluoranthene
Concen: 4.653 ng m
RT: 15.139 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF133876.D
Acq: 21 Jun 2023 17:57

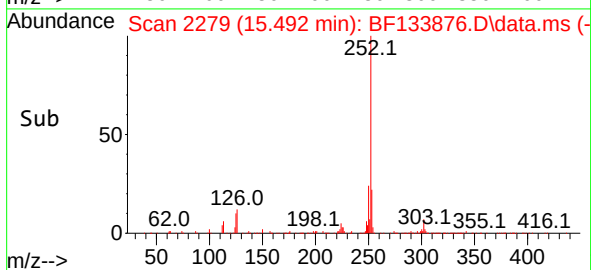
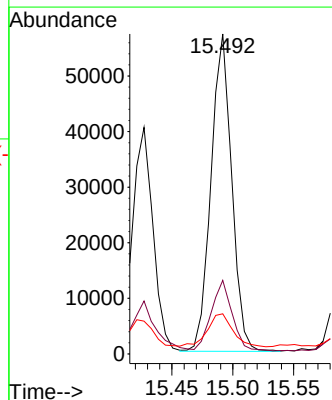
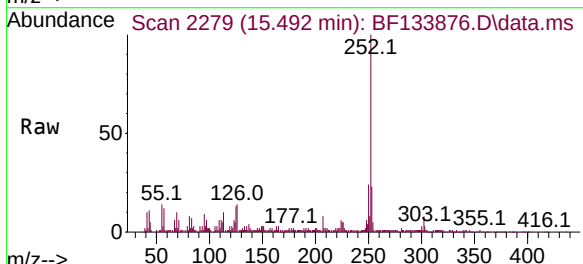
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-07

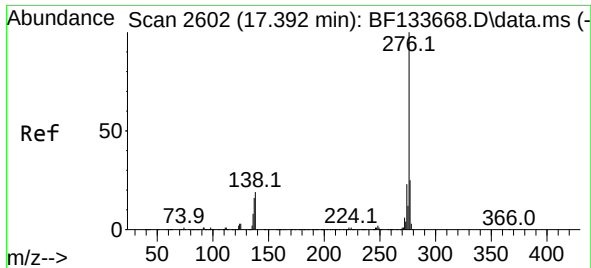
Tgt Ion:252 Resp: 37620
Ion Ratio Lower Upper
252 100
253 21.2 17.0 25.4
125 12.4 7.8 11.6#



#90
Benzo(a)pyrene
Concen: 8.779 ng
RT: 15.492 min Scan# 2279
Delta R.T. 0.006 min
Lab File: BF133876.D
Acq: 21 Jun 2023 17:57

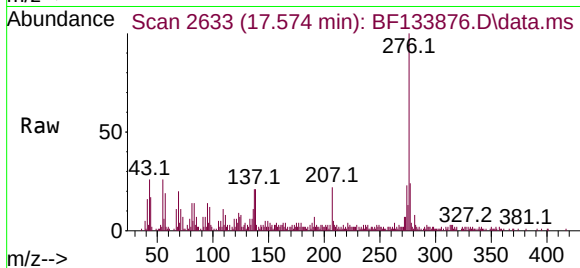
Tgt Ion:252 Resp: 67625
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 12.6 8.6 13.0





#92
 Benzo(g,h,i)perylene
 Concen: 5.138 ng
 RT: 17.574 min Scan# 2602
 Delta R.T. -0.000 min
 Lab File: BF133876.D
 Acq: 21 Jun 2023 17:57

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-TW-07



Tgt Ion:	276	Resp:	39646
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.8	29.8
138	21.3	15.0	22.4

