

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
 Data File : BF133870.D
 Acq On : 21 Jun 2023 14:44
 Operator : CG\JU
 Sample : 03256-01DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-TP6-01-1-5DL

Quant Time: Jun 21 15:23:44 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)

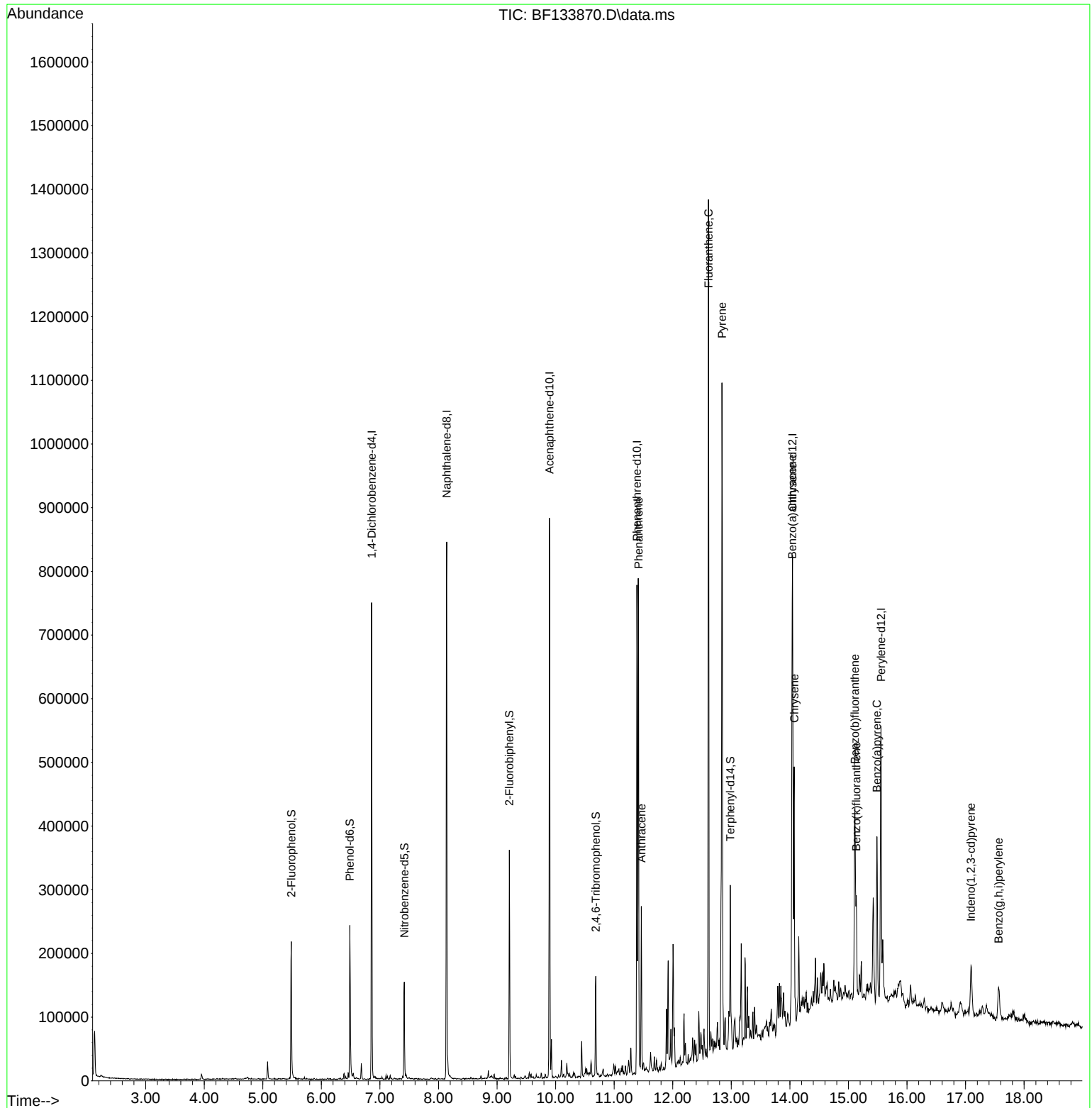
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	96077	20.000	ng	0.00
21) Naphthalene-d8	8.140	136	366541	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	173813	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	277011	20.000	ng	0.00
76) Chrysene-d12	14.045	240	169411	20.000	ng	0.00
86) Perylene-d12	15.557	264	210061	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	58788	10.652	ng	0.00
7) Phenol-d6	6.487	99	72297	10.064	ng	0.00
23) Nitrobenzene-d5	7.416	82	45646	6.783	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	16707	7.594	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	97706	7.991	ng	0.00
79) Terphenyl-d14	12.980	244	78158	7.139	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.416	178	287470	20.454	ng	98
72) Anthracene	11.463	178	89365	6.098	ng	98
75) Fluoranthene	12.610	202	515303	34.527	ng	99
78) Pyrene	12.839	202	443167	28.082	ng	99
81) Benzo(a)anthracene	14.039	228	188700	16.103	ng	99
83) Chrysene	14.074	228	159191	14.363	ng	96
87) Indeno(1,2,3-cd)pyrene	17.092	276	56126	3.884	ng	97
88) Benzo(b)fluoranthene	15.110	252	189751m	14.870	ng	
89) Benzo(k)fluoranthene	15.133	252	55170m	4.438	ng	
90) Benzo(a)pyrene	15.486	252	127635	10.778	ng	98
92) Benzo(g,h,i)perylene	17.562	276	49555	4.177	ng	99

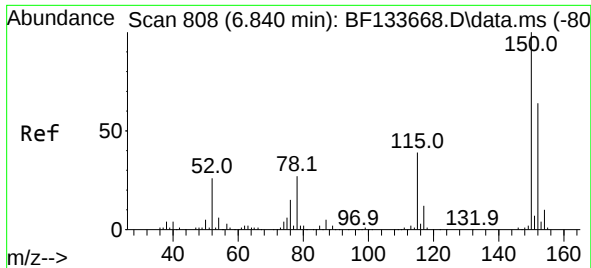
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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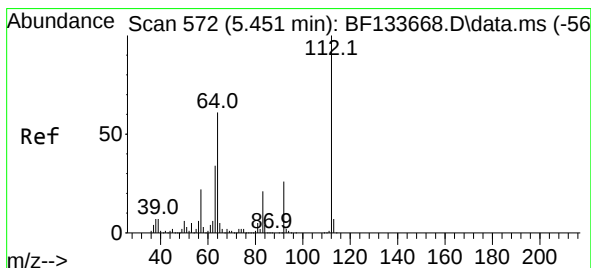
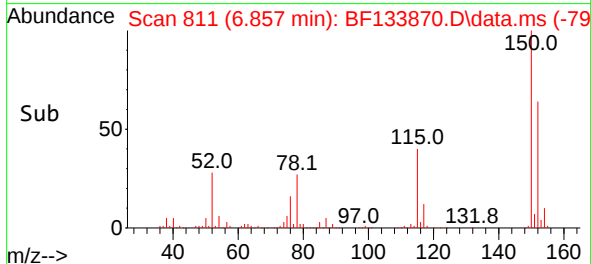
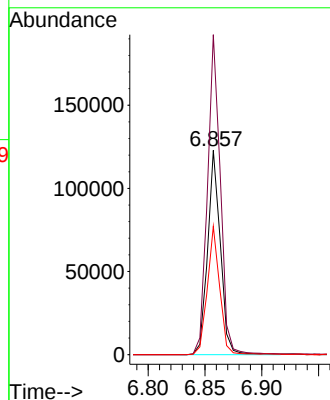
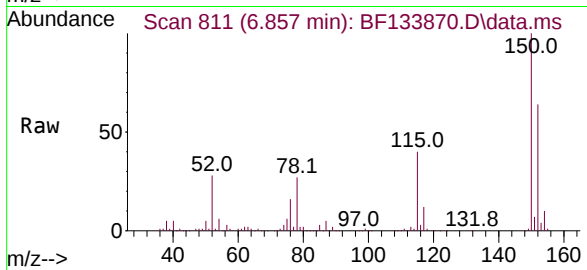




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133870.D
Acq: 21 Jun 2023 14:44

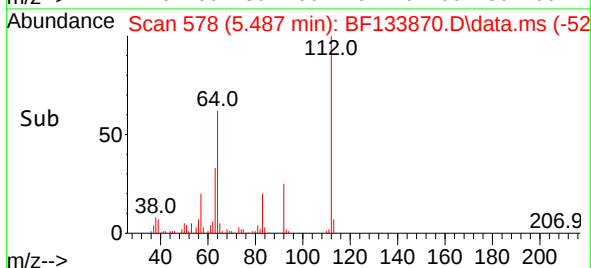
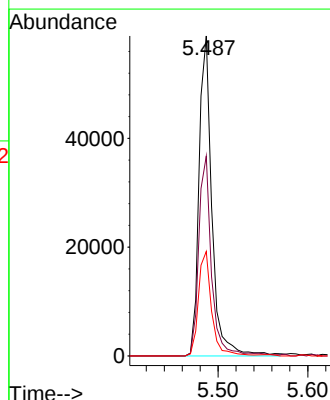
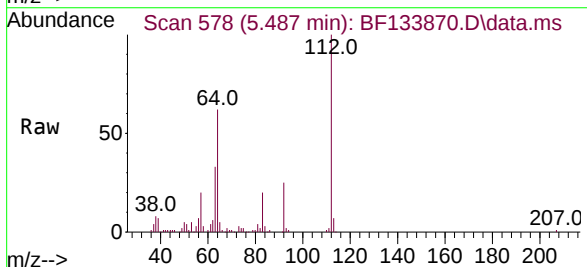
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TP6-01-1-5DL

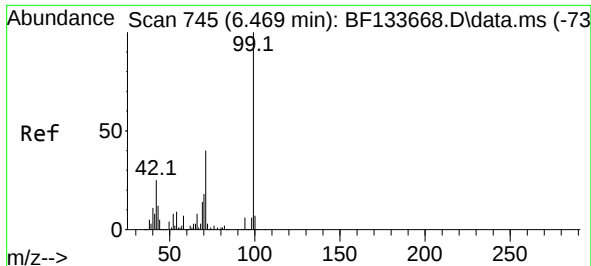
Tgt Ion:152 Resp: 96077
Ion Ratio Lower Upper
152 100
150 156.7 124.3 186.5
115 62.8 48.5 72.7



#5
2-Fluorophenol
Concen: 10.652 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF133870.D
Acq: 21 Jun 2023 14:44

Tgt Ion:112 Resp: 58788
Ion Ratio Lower Upper
112 100
64 62.4 49.0 73.4
63 32.6 26.8 40.2

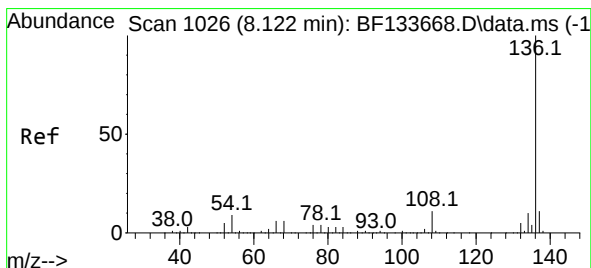
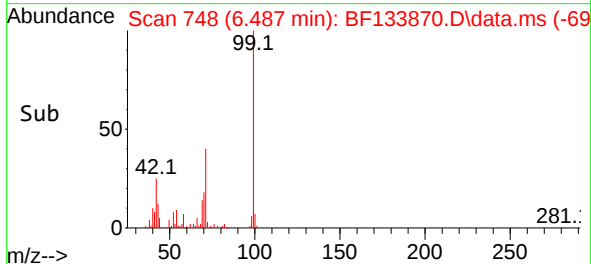
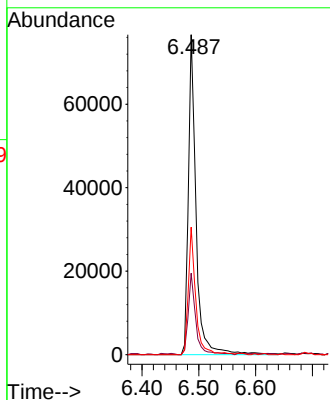
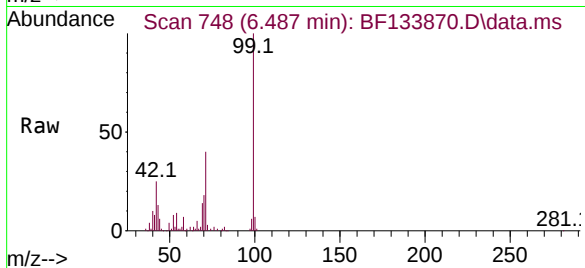




#7
Phenol-d6
Concen: 10.064 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF133870.D
Acq: 21 Jun 2023 14:44

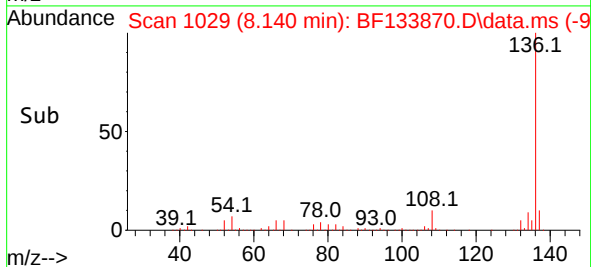
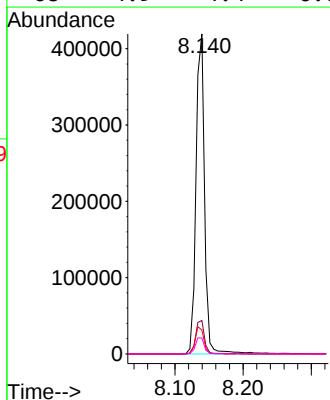
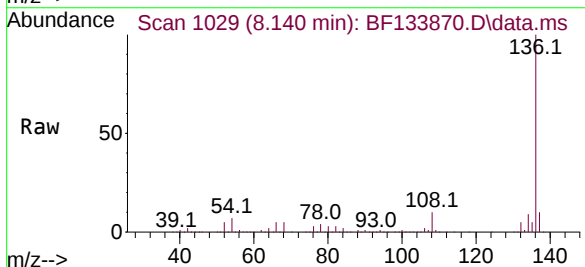
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TP6-01-1-5DL

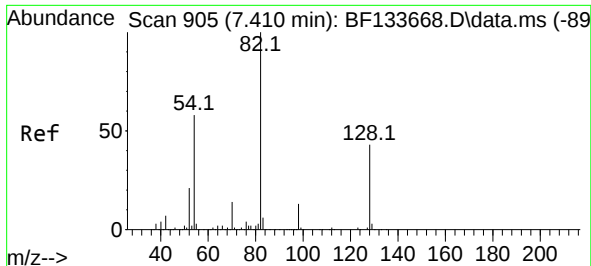
Tgt Ion: 99 Resp: 72297
Ion Ratio Lower Upper
99 100
42 25.4 19.9 29.9
71 39.8 32.2 48.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.140 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF133870.D
Acq: 21 Jun 2023 14:44

Tgt Ion: 136 Resp: 366541
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 7.5 7.4 11.0
68 4.9 4.4 6.6





#23

Nitrobenzene-d5

Concen: 6.783 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133870.D

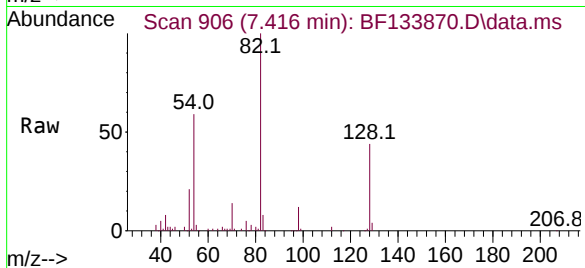
Acq: 21 Jun 2023 14:44

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-TP6-01-1-5DL



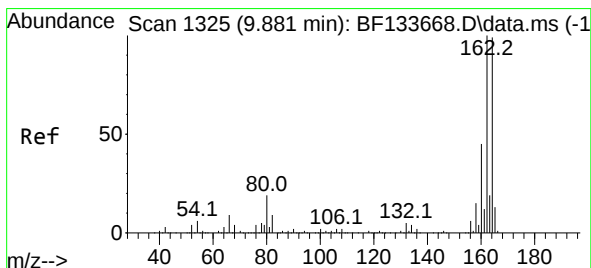
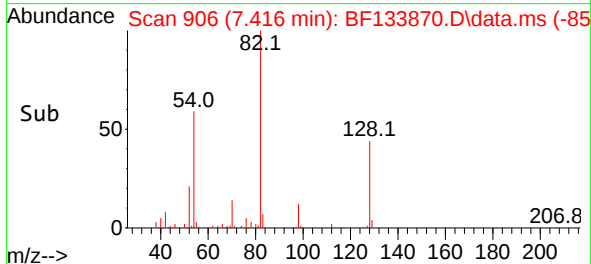
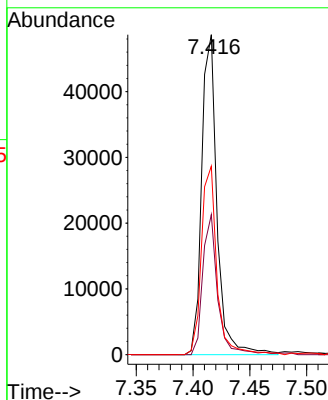
Tgt Ion: 82 Resp: 45646

Ion Ratio Lower Upper

82 100

128 43.7 34.2 51.2

54 58.9 46.5 69.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.892 min Scan# 1327

Delta R.T. -0.006 min

Lab File: BF133870.D

Acq: 21 Jun 2023 14:44

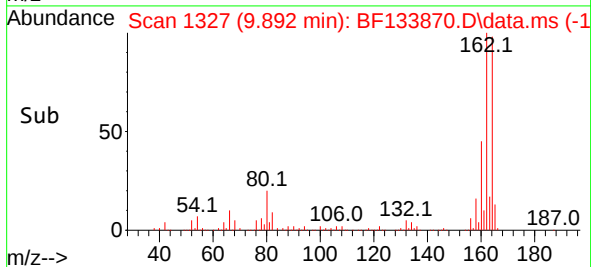
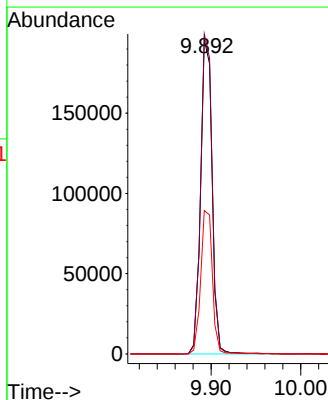
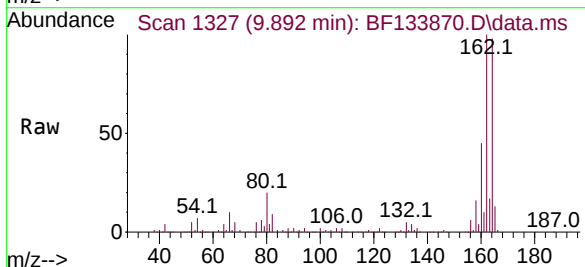
Tgt Ion: 164 Resp: 173813

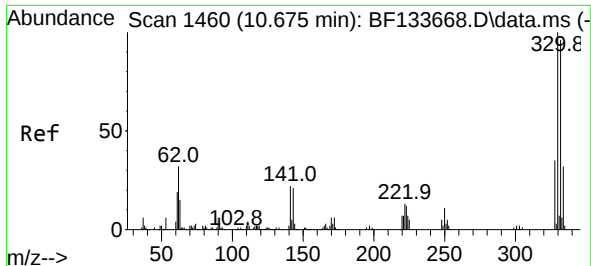
Ion Ratio Lower Upper

164 100

162 101.8 80.8 121.2

160 45.6 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 7.594 ng

RT: 10.686 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF133870.D

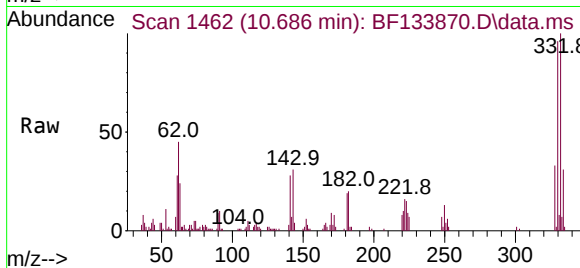
Acq: 21 Jun 2023 14:44

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-TP6-01-1-5DL



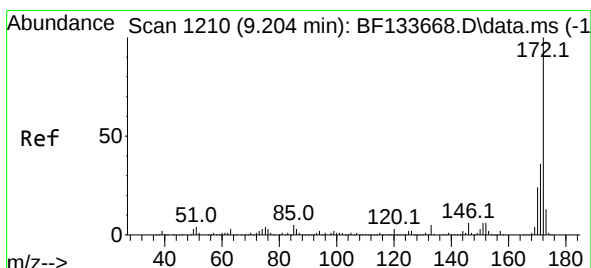
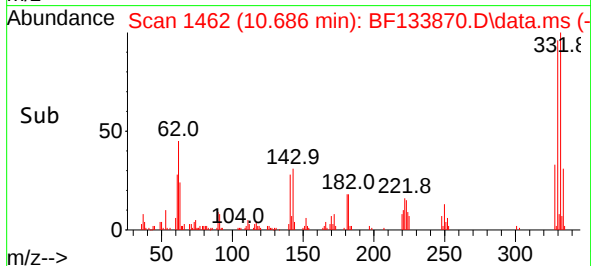
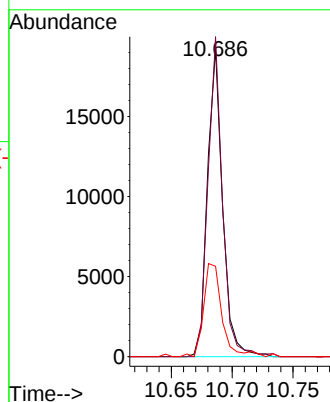
Tgt Ion:330 Resp: 16707

Ion Ratio Lower Upper

330 100

332 99.8 77.2 115.8

141 36.6 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 7.991 ng

RT: 9.210 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF133870.D

Acq: 21 Jun 2023 14:44

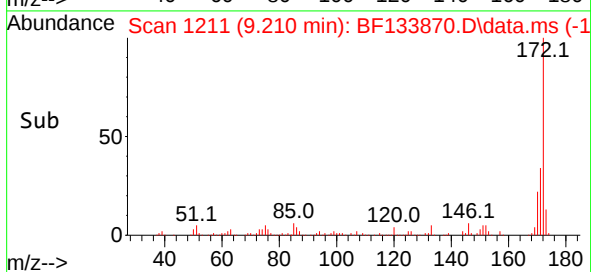
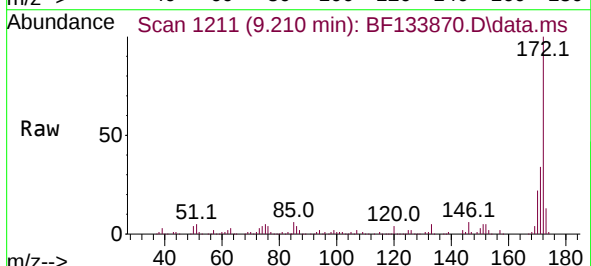
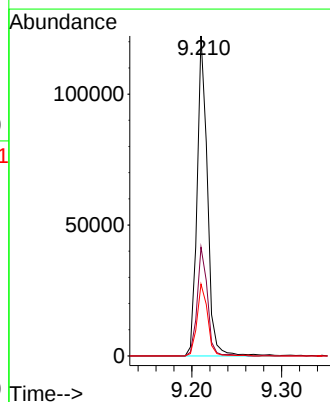
Tgt Ion:172 Resp: 97706

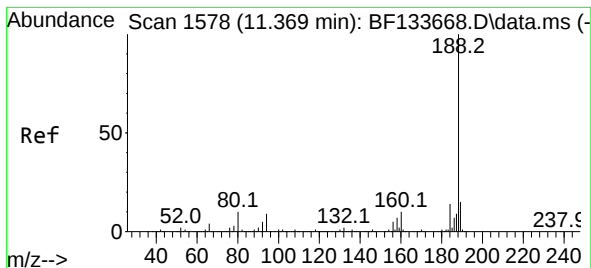
Ion Ratio Lower Upper

172 100

171 34.0 28.6 43.0

170 22.4 19.1 28.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1581

Delta R.T. 0.000 min

Lab File: BF133870.D

Acq: 21 Jun 2023 14:44

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-TP6-01-1-5DL

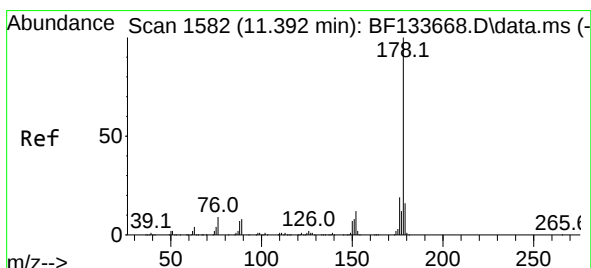
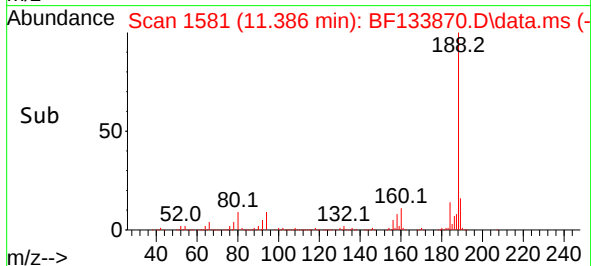
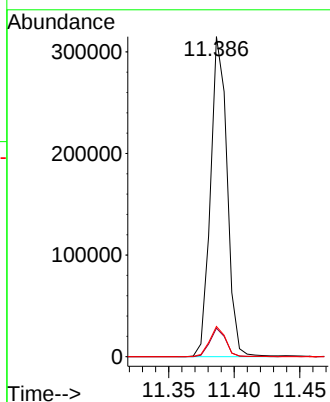
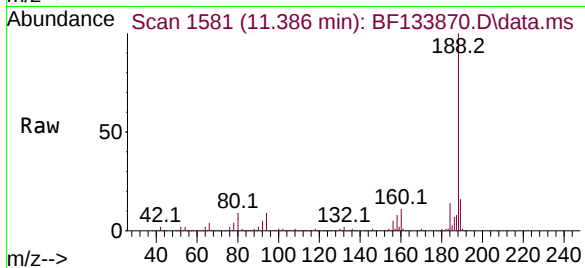
Tgt Ion:188 Resp: 277011

Ion Ratio Lower Upper

188 100

94 8.9 6.8 10.2

80 9.4 7.8 11.6



#71

Phenanthrene

Concen: 20.454 ng

RT: 11.416 min Scan# 1586

Delta R.T. 0.000 min

Lab File: BF133870.D

Acq: 21 Jun 2023 14:44

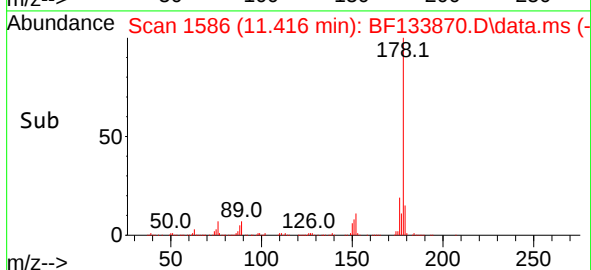
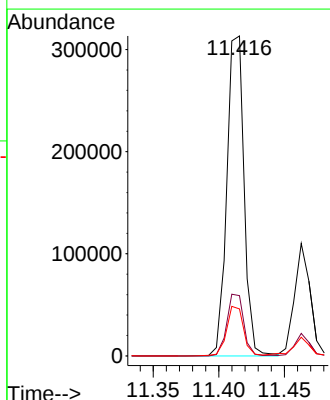
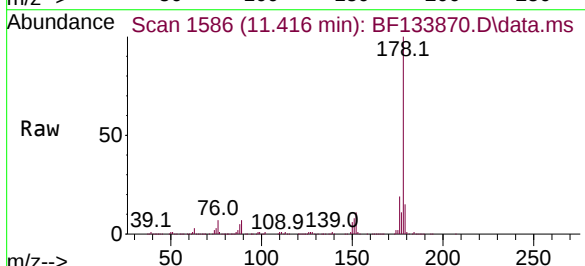
Tgt Ion:178 Resp: 287470

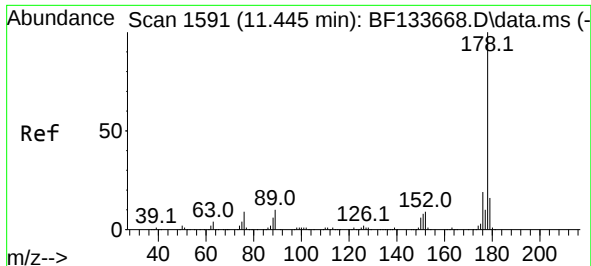
Ion Ratio Lower Upper

178 100

176 18.8 15.6 23.4

179 14.7 12.4 18.6

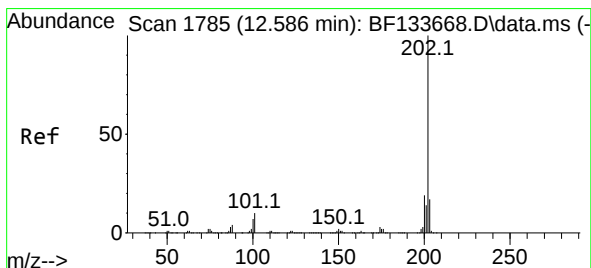
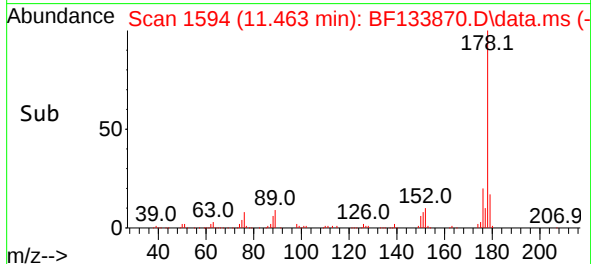
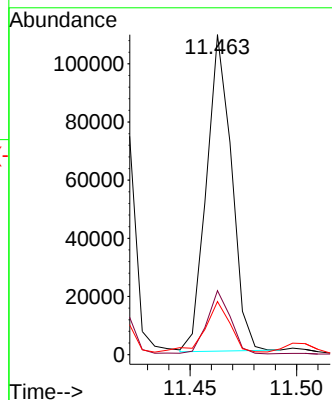
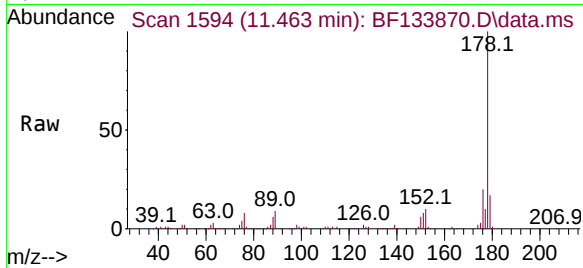




#72
 Anthracene
 Concen: 6.098 ng
 RT: 11.463 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133870.D
 Acq: 21 Jun 2023 14:44

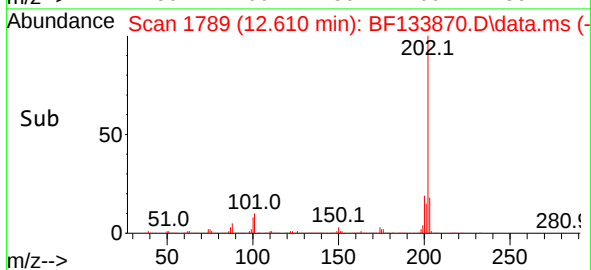
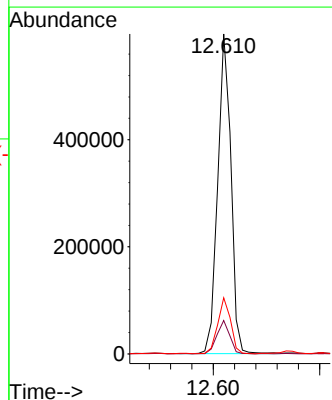
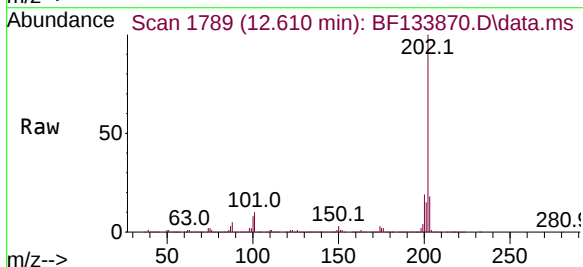
Instrument :
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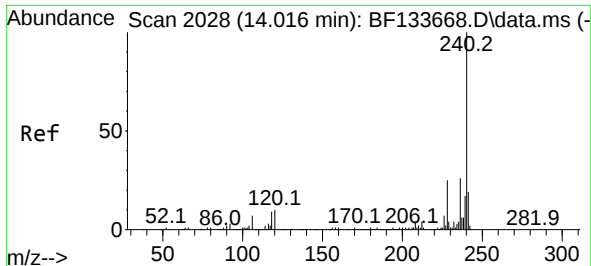
Tgt Ion:178 Resp: 89365
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.1 22.7
 179 16.6 12.6 18.8



#75
 Fluoranthene
 Concen: 34.527 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. 0.000 min
 Lab File: BF133870.D
 Acq: 21 Jun 2023 14:44

Tgt Ion:202 Resp: 515303
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 29.6
 203 17.5 0.0 37.4

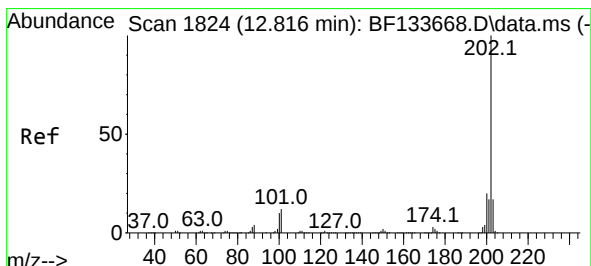
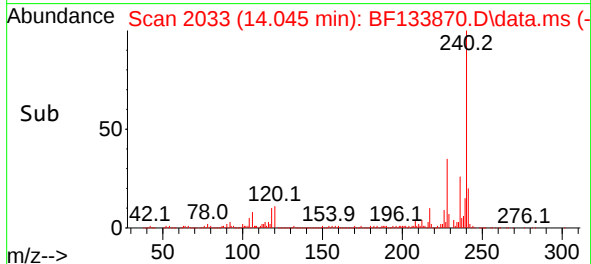
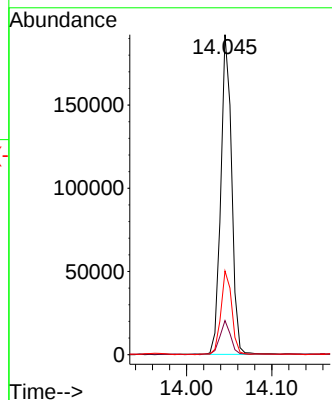
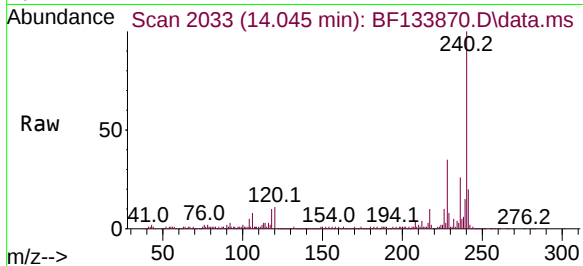




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF133870.D
Acq: 21 Jun 2023 14:44

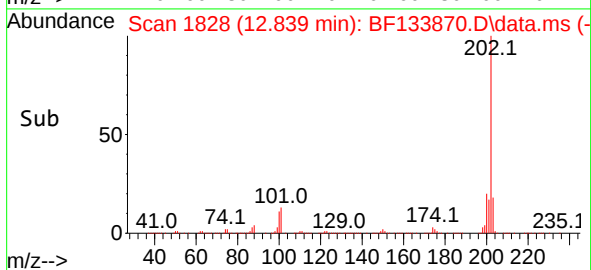
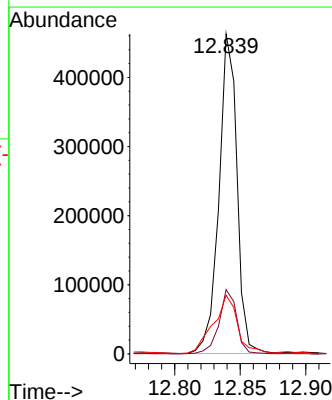
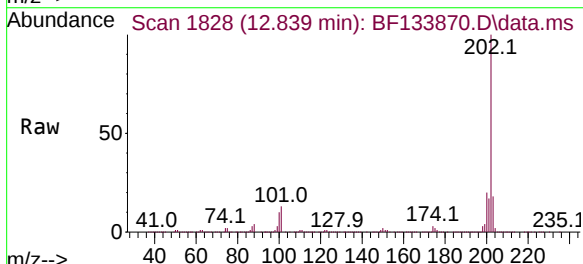
Instrument :
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COMPOSIT-TP6-01-1-5DL

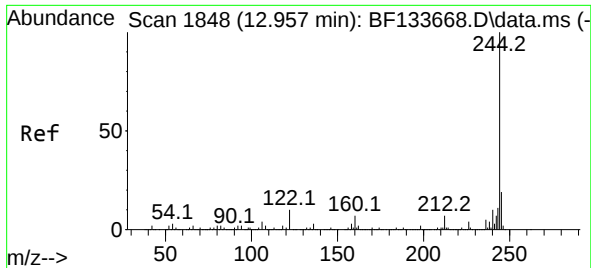
Tgt Ion:240 Resp: 169411
Ion Ratio Lower Upper
240 100
120 10.6 8.1 12.1
236 26.1 20.5 30.7



#78
Pyrene
Concen: 28.082 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF133870.D
Acq: 21 Jun 2023 14:44

Tgt Ion:202 Resp: 443167
Ion Ratio Lower Upper
202 100
200 20.1 16.2 24.2
203 18.3 13.9 20.9

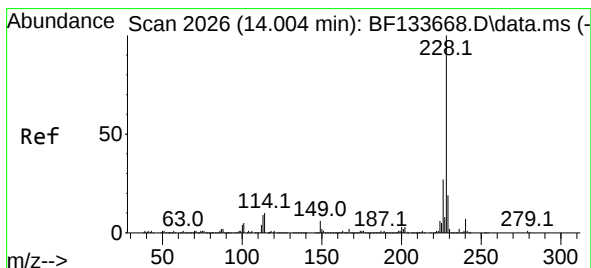
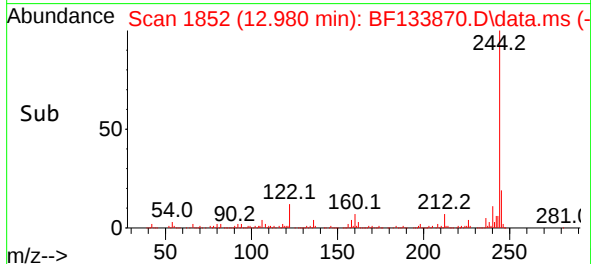
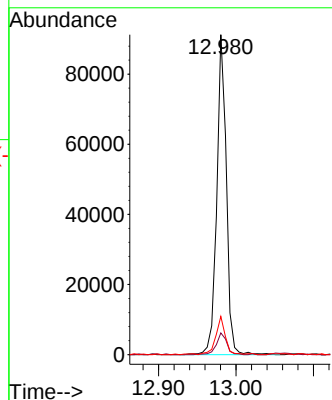
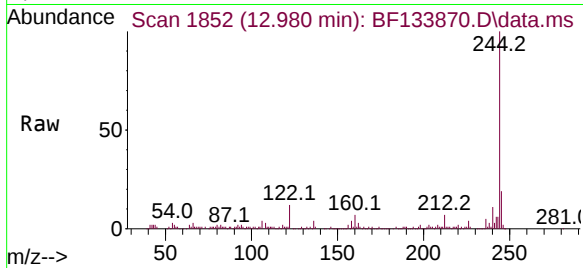




#79
 Terphenyl-d14
 Concen: 7.139 ng
 RT: 12.980 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF133870.D
 Acq: 21 Jun 2023 14:44

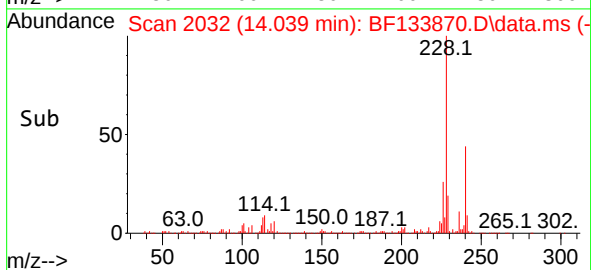
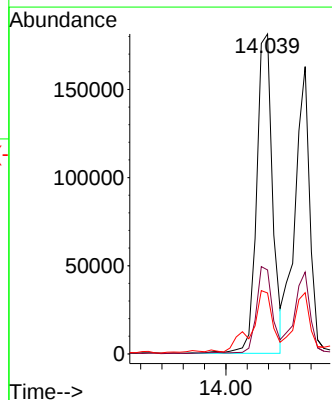
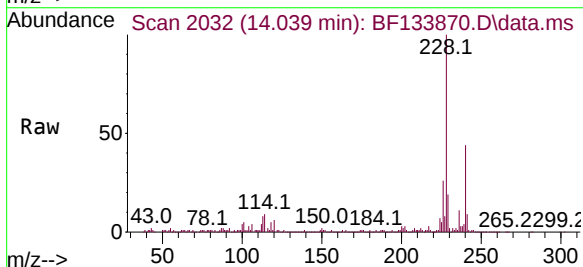
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-TP6-01-1-5DL

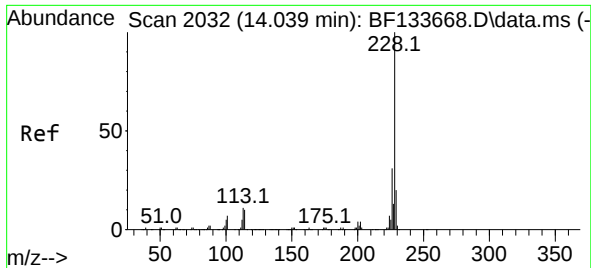
Tgt Ion:244 Resp: 78158
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 11.9 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 16.103 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. 0.006 min
 Lab File: BF133870.D
 Acq: 21 Jun 2023 14:44

Tgt Ion:228 Resp: 188700
 Ion Ratio Lower Upper
 228 100
 226 26.2 21.7 32.5
 229 19.0 15.4 23.2

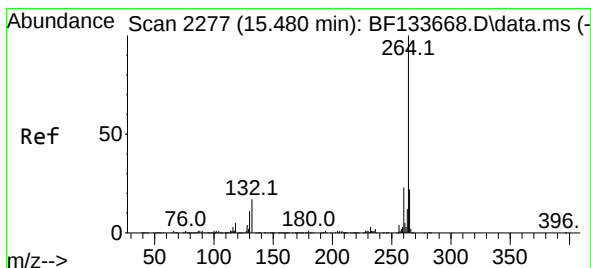
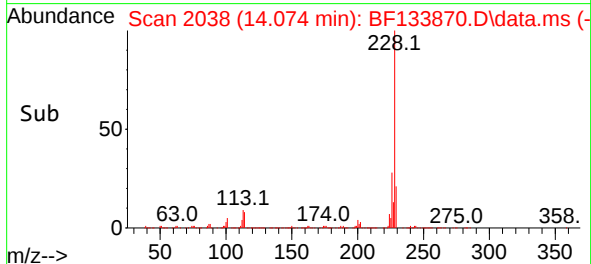
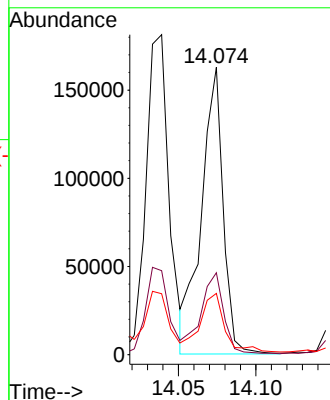
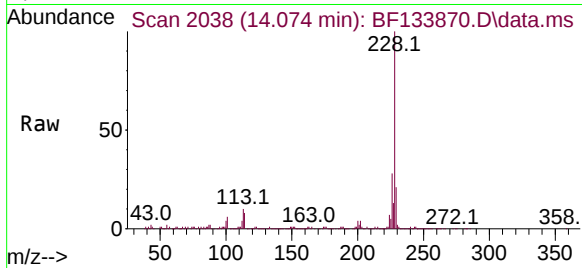




#83
Chrysene
Concen: 14.363 ng
RT: 14.074 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF133870.D
Acq: 21 Jun 2023 14:44

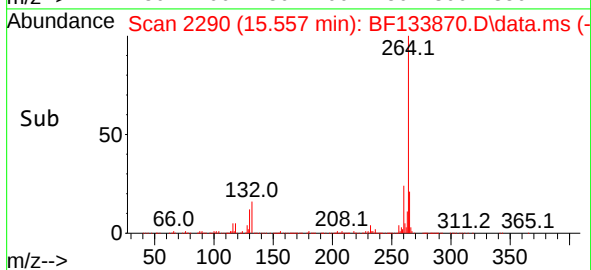
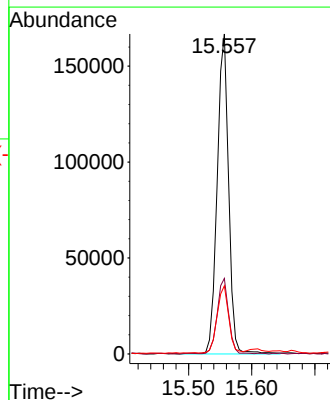
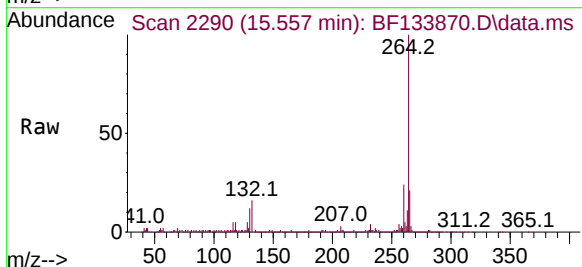
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TP6-01-1-5DL

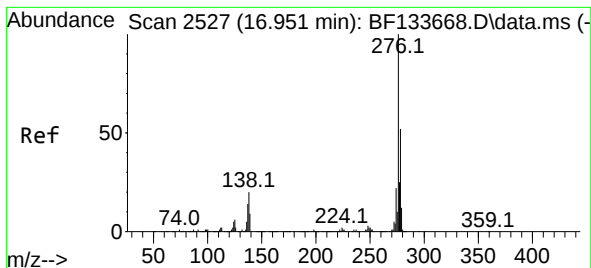
Tgt Ion:228	Resp: 159191
Ion Ratio	Lower Upper
228	100
226	28.5 25.0 37.6
229	21.3 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2290
Delta R.T. 0.006 min
Lab File: BF133870.D
Acq: 21 Jun 2023 14:44

Tgt Ion:264	Resp: 210061
Ion Ratio	Lower Upper
264	100
260	23.6 18.2 27.2
265	21.3 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.884 ng

RT: 17.092 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133870.D

Acq: 21 Jun 2023 14:44

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-TP6-01-1-5DL

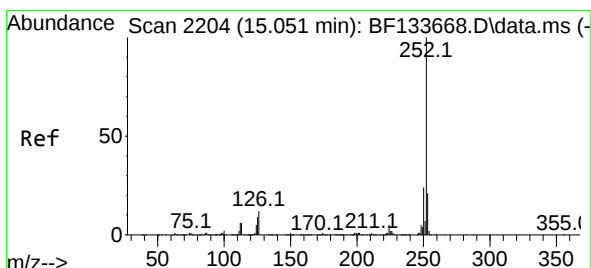
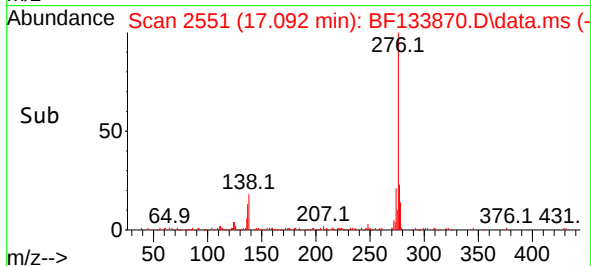
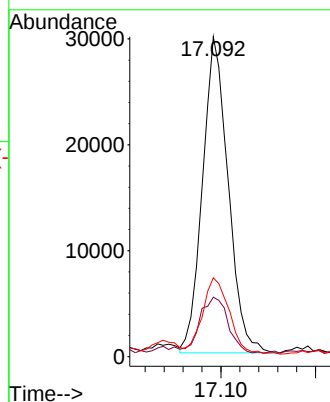
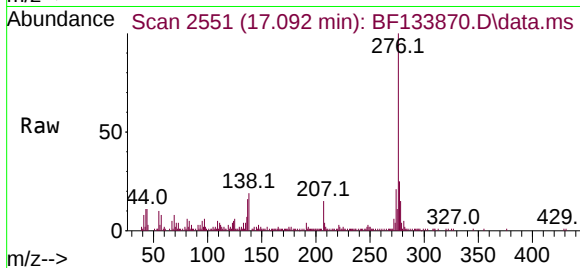
Tgt Ion:276 Resp: 56126

Ion Ratio Lower Upper

276 100

138 19.5 17.9 26.9

277 25.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 14.870 ng m

RT: 15.110 min Scan# 2214

Delta R.T. 0.006 min

Lab File: BF133870.D

Acq: 21 Jun 2023 14:44

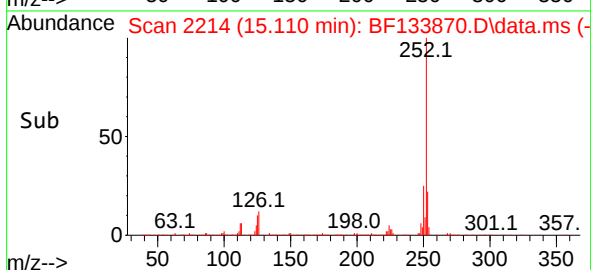
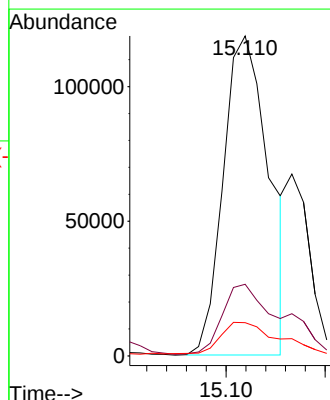
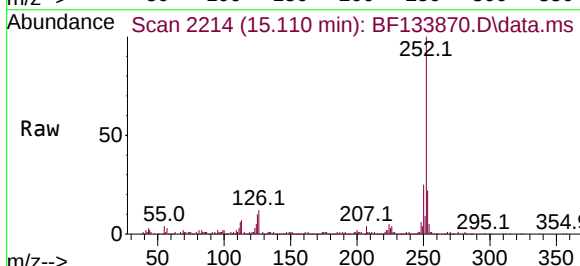
Tgt Ion:252 Resp: 189751

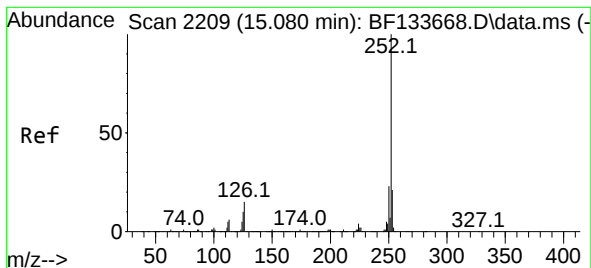
Ion Ratio Lower Upper

252 100

253 22.4 17.0 25.6

125 10.4 7.3 10.9





#89

Benzo(k)fluoranthene

Concen: 4.438 ng m

RT: 15.133 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133870.D

Acq: 21 Jun 2023 14:44

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-TP6-01-1-5DL

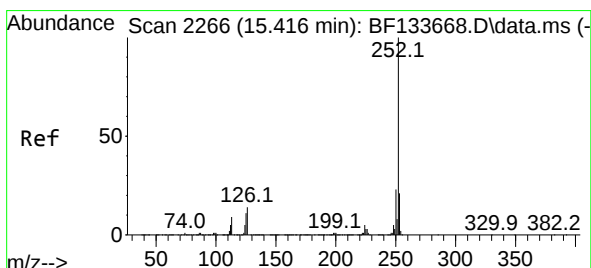
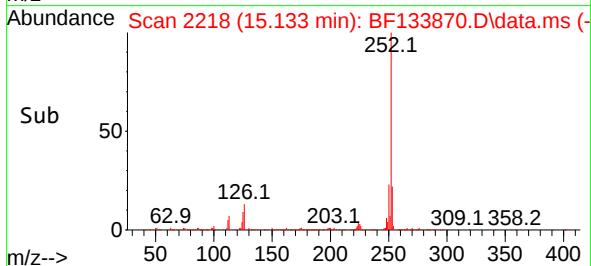
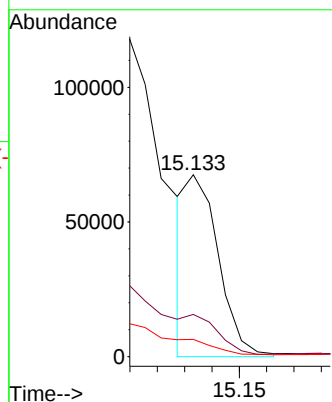
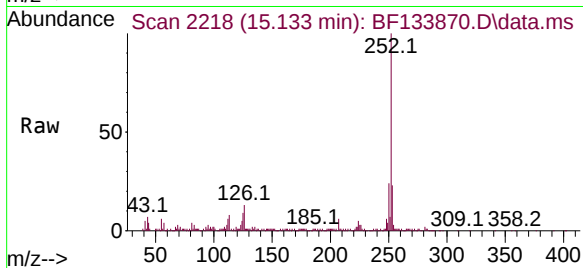
Tgt Ion:252 Resp: 55170

Ion Ratio Lower Upper

252 100

253 23.2 17.0 25.4

125 9.5 7.8 11.6



#90

Benzo(a)pyrene

Concen: 10.778 ng

RT: 15.486 min Scan# 2278

Delta R.T. 0.000 min

Lab File: BF133870.D

Acq: 21 Jun 2023 14:44

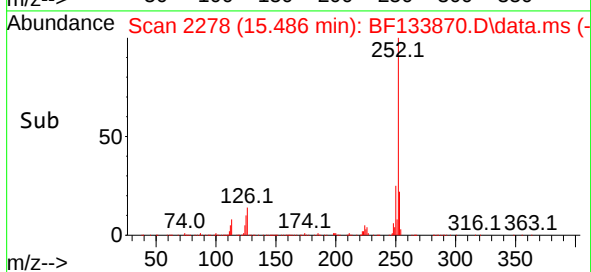
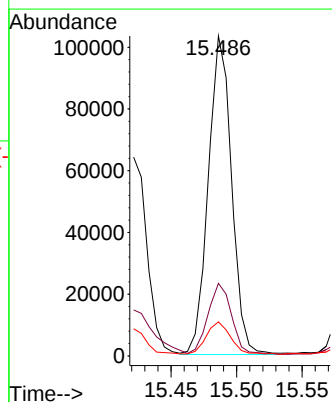
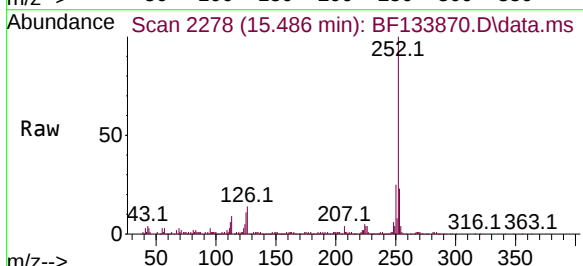
Tgt Ion:252 Resp: 127635

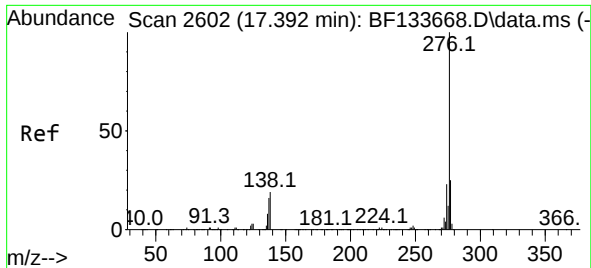
Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

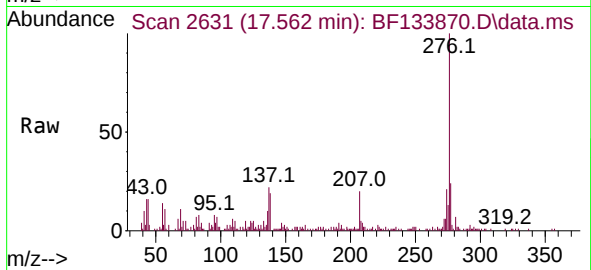
125 10.6 8.6 13.0





#92
 Benzo(g,h,i)perylene
 Concen: 4.177 ng
 RT: 17.562 min Scan# 261
 Delta R.T. -0.012 min
 Lab File: BF133870.D
 Acq: 21 Jun 2023 14:44

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-TP6-01-1-5DL



Tgt Ion:	276	Resp:	49555
Ion Ratio	Lower	Upper	
276	100		
277	24.0	19.8	29.8
138	18.8	15.0	22.4

