

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
 Data File : BF133882.D
 Acq On : 21 Jun 2023 21:10
 Operator : CG\JU
 Sample : 03296-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-R-01

Quant Time: Jun 22 06:00:29 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)

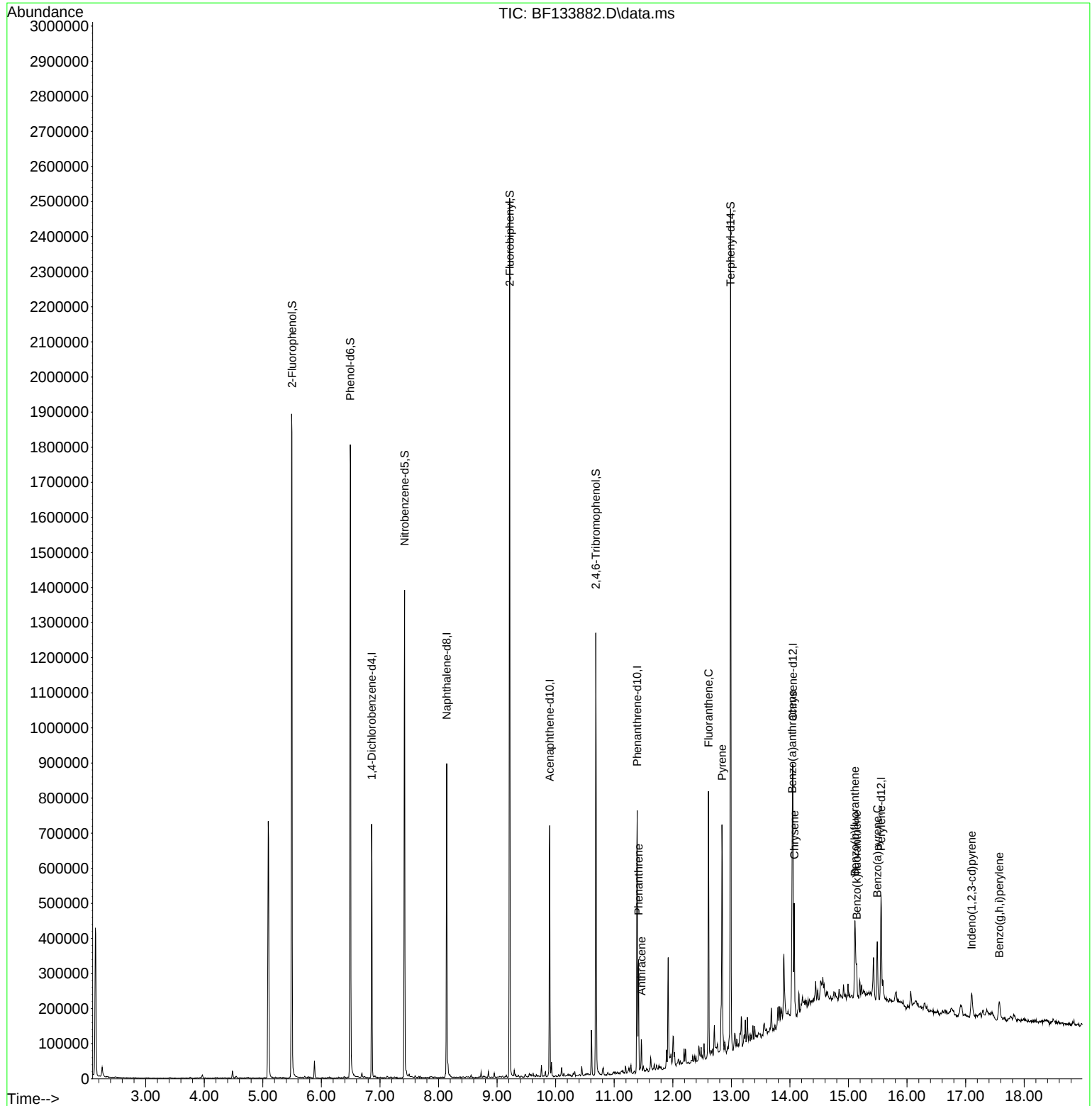
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	102095	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	346830	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	140112	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	275412	20.000	ng	0.00
76) Chrysene-d12	14.051	240	207920	20.000	ng	0.00
86) Perylene-d12	15.557	264	145831	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	508509	86.710	ng	0.01
7) Phenol-d6	6.492	99	593213	77.711	ng	0.00
23) Nitrobenzene-d5	7.422	82	393993	61.873	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	142467	80.328	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	663771	67.343	ng	0.00
79) Terphenyl-d14	12.986	244	777991	57.898	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.416	178	118162	8.456	ng	98
72) Anthracene	11.463	178	32152	2.207	ng	96
75) Fluoranthene	12.610	202	286581	19.313	ng	98
78) Pyrene	12.839	202	268309	13.853	ng	98
81) Benzo(a)anthracene	14.039	228	141569	9.844	ng	97
83) Chrysene	14.074	228	113573	8.349	ng	98
87) Indeno(1,2,3-cd)pyrene	17.103	276	52311	5.214	ng	97
88) Benzo(b)fluoranthene	15.110	252	121556m	13.722	ng	
89) Benzo(k)fluoranthene	15.139	252	43048m	4.989	ng	
90) Benzo(a)pyrene	15.492	252	81598	9.925	ng	97
92) Benzo(g,h,i)perylene	17.574	276	51108	6.206	ng	96

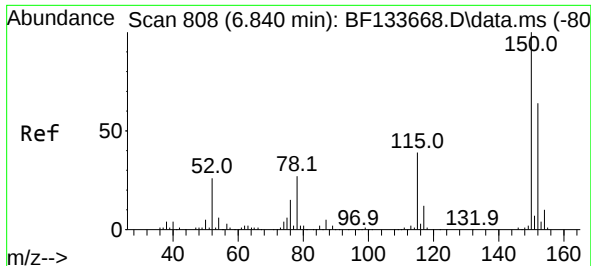
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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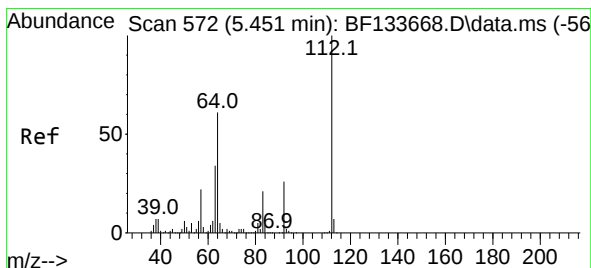
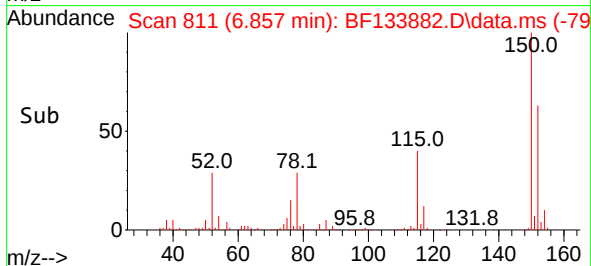
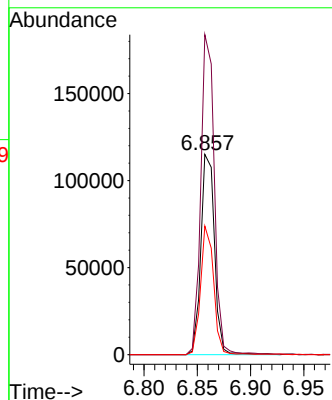
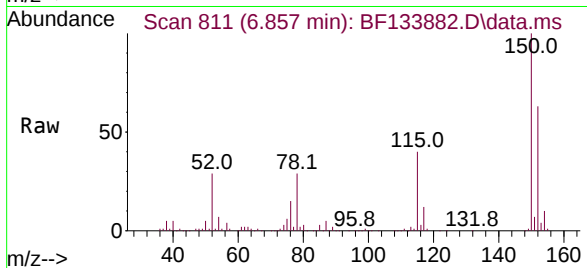




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF133882.D
Acq: 21 Jun 2023 21:10

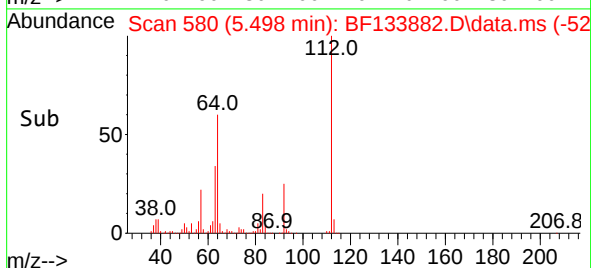
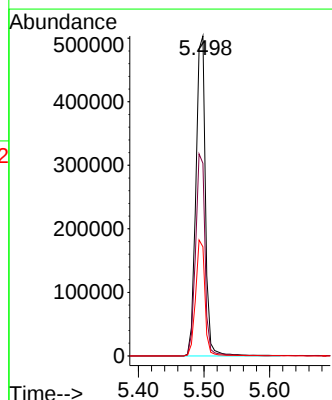
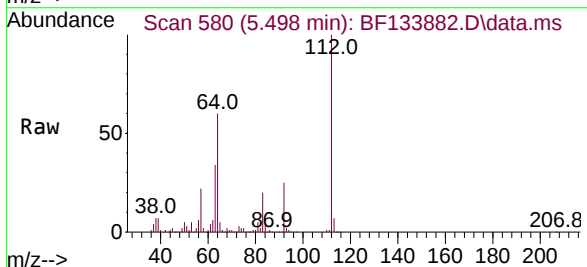
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-R-01

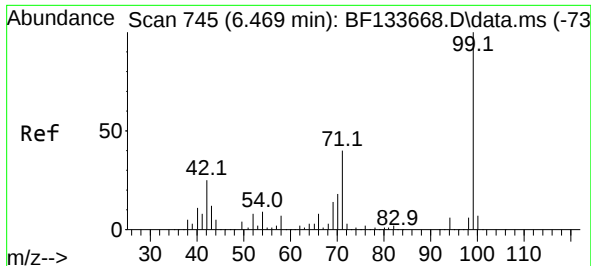
Tgt Ion:152 Resp: 102095
Ion Ratio Lower Upper
152 100
150 159.8 124.3 186.5
115 64.2 48.5 72.7



#5
2-Fluorophenol
Concen: 86.710 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF133882.D
Acq: 21 Jun 2023 21:10

Tgt Ion:112 Resp: 508509
Ion Ratio Lower Upper
112 100
64 60.2 49.0 73.4
63 34.1 26.8 40.2

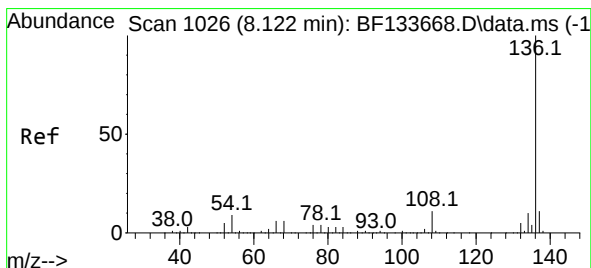
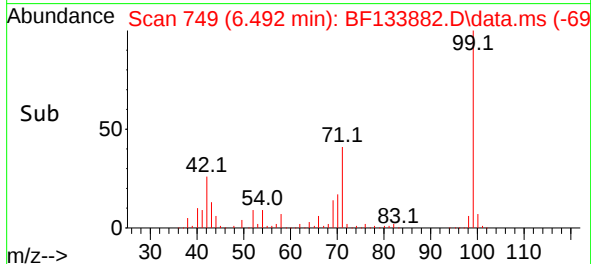
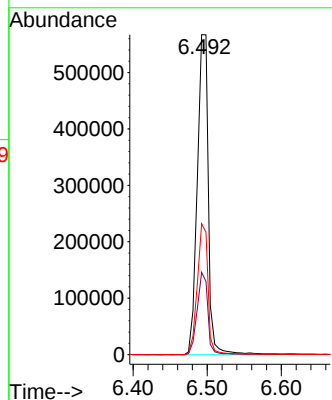
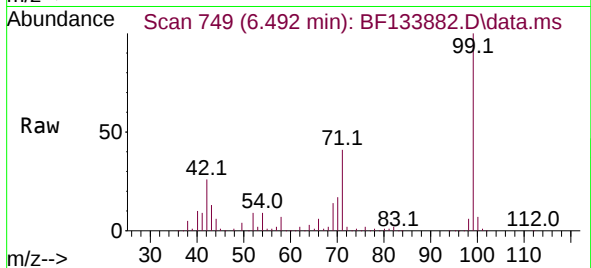




#7
Phenol-d6
Concen: 77.711 ng
RT: 6.492 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF133882.D
Acq: 21 Jun 2023 21:10

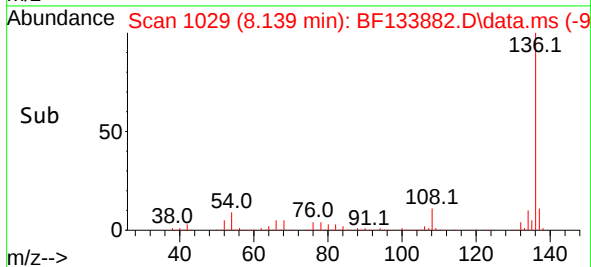
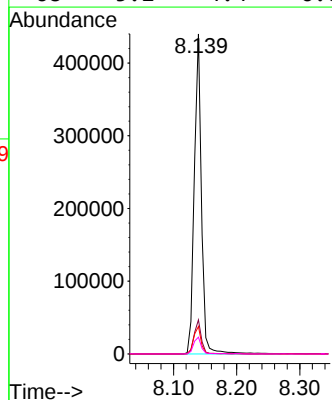
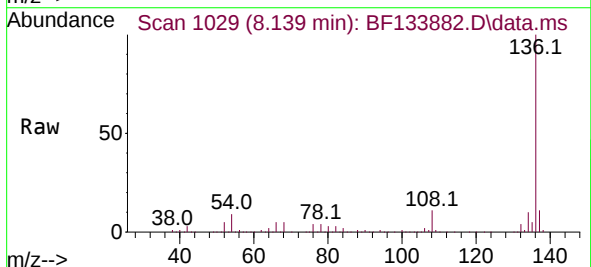
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-R-01

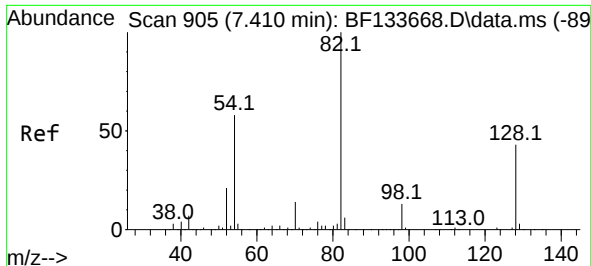
Tgt Ion: 99 Resp: 593213
Ion Ratio Lower Upper
99 100
42 25.7 19.9 29.9
71 40.9 32.2 48.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF133882.D
Acq: 21 Jun 2023 21:10

Tgt Ion: 136 Resp: 346830
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 8.6 7.4 11.0
68 5.2 4.4 6.6





#23

Nitrobenzene-d5

Concen: 61.873 ng

RT: 7.422 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF133882.D

Acq: 21 Jun 2023 21:10

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-R-01

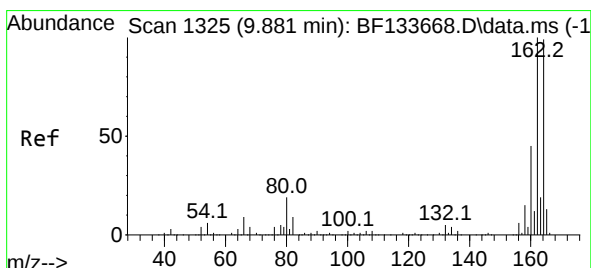
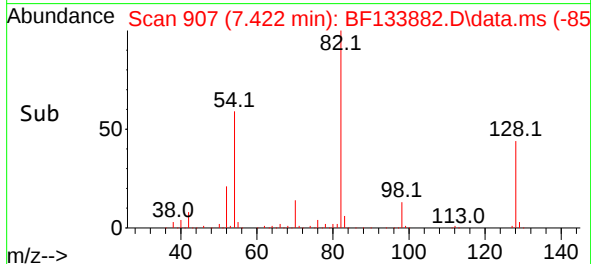
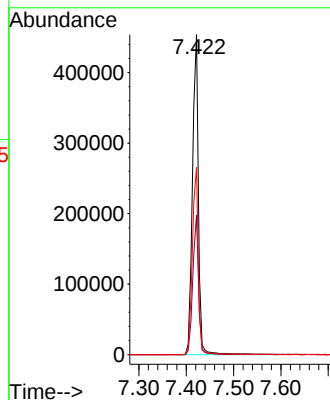
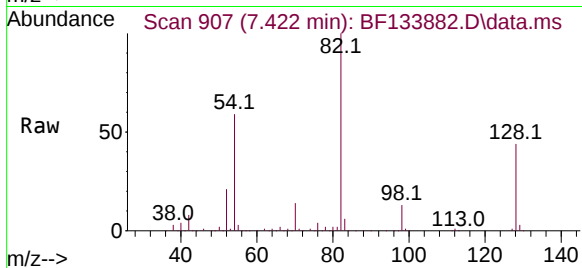
Tgt Ion: 82 Resp: 393993

Ion Ratio Lower Upper

82 100

128 43.6 34.2 51.2

54 58.6 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: BF133882.D

Acq: 21 Jun 2023 21:10

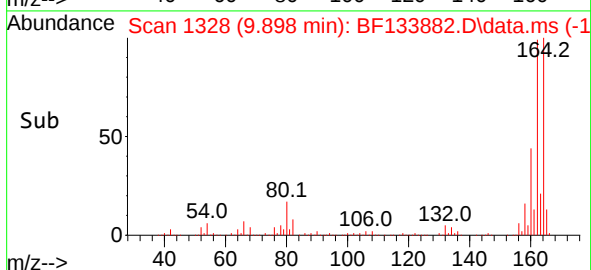
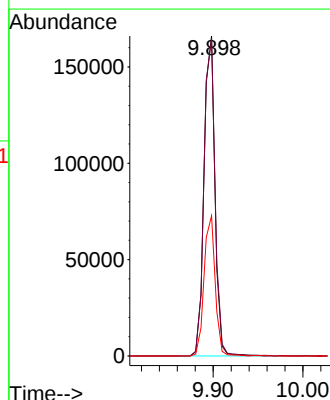
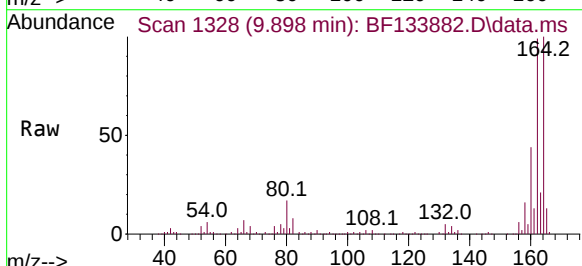
Tgt Ion: 164 Resp: 140112

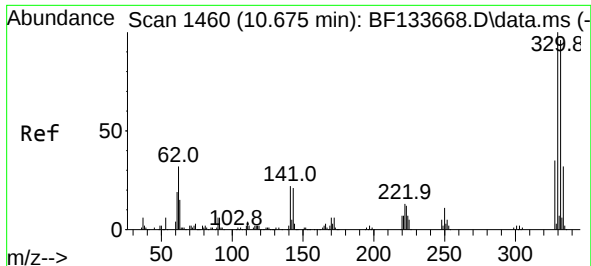
Ion Ratio Lower Upper

164 100

162 99.1 80.8 121.2

160 43.8 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 80.328 ng

RT: 10.686 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF133882.D

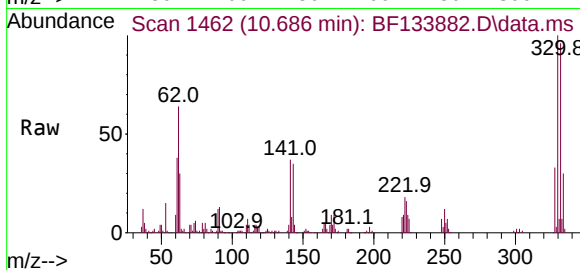
Acq: 21 Jun 2023 21:10

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-R-01



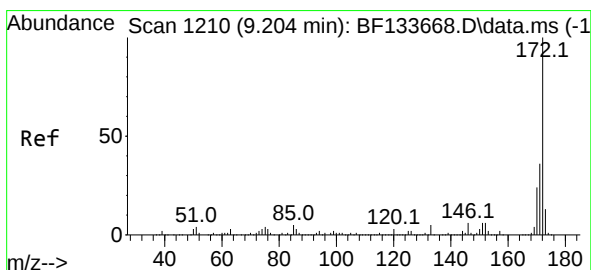
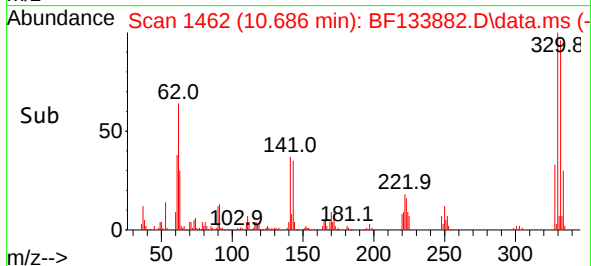
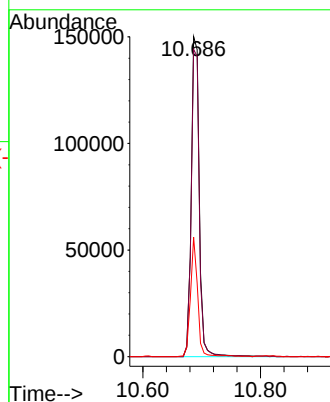
Tgt Ion:330 Resp: 142467

Ion Ratio Lower Upper

330 100

332 96.4 77.2 115.8

141 33.5 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 67.343 ng

RT: 9.216 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF133882.D

Acq: 21 Jun 2023 21:10

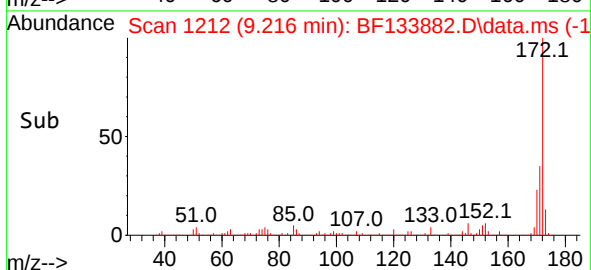
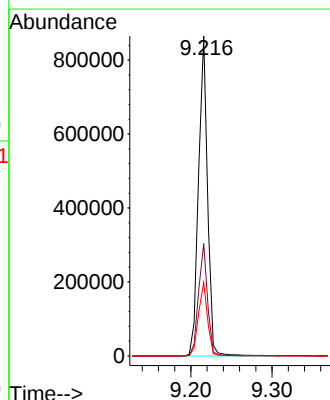
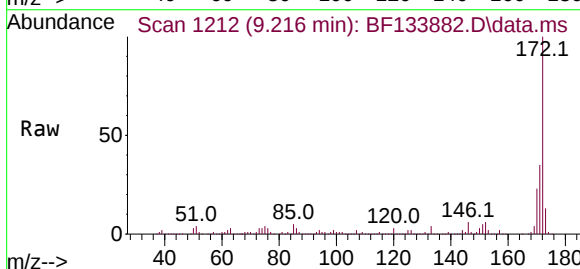
Tgt Ion:172 Resp: 663771

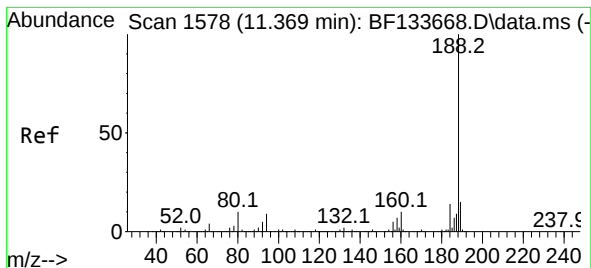
Ion Ratio Lower Upper

172 100

171 35.1 28.6 43.0

170 23.0 19.1 28.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1582

Delta R.T. 0.006 min

Lab File: BF133882.D

Acq: 21 Jun 2023 21:10

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-R-01

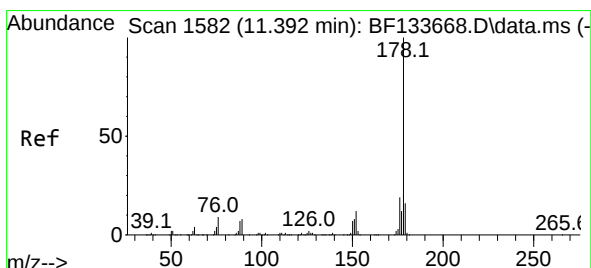
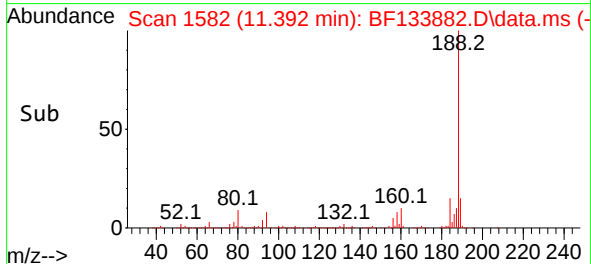
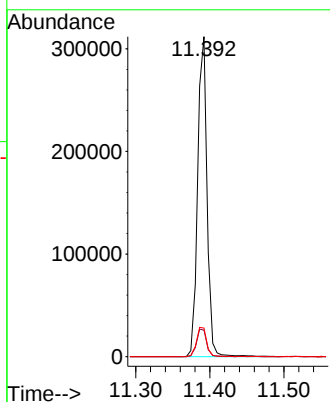
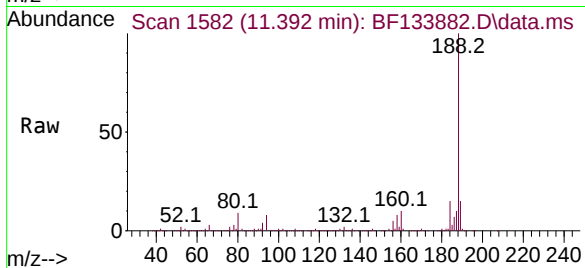
Tgt Ion:188 Resp: 275412

Ion Ratio Lower Upper

188 100

94 8.3 6.8 10.2

80 8.9 7.8 11.6



#71

Phenanthrene

Concen: 8.456 ng

RT: 11.416 min Scan# 1586

Delta R.T. 0.000 min

Lab File: BF133882.D

Acq: 21 Jun 2023 21:10

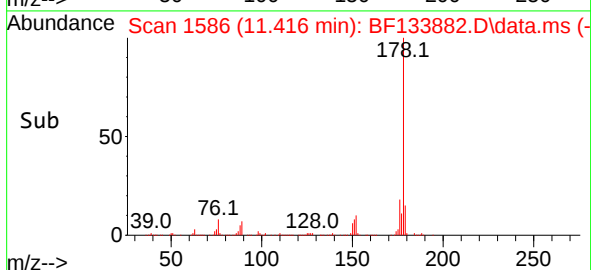
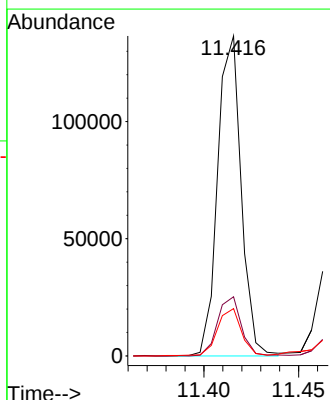
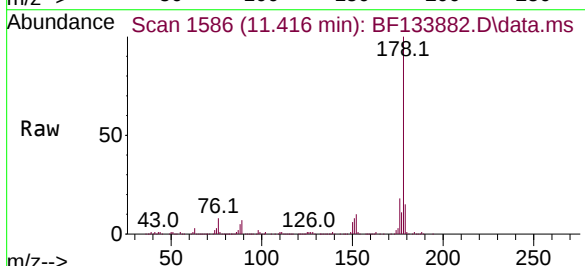
Tgt Ion:178 Resp: 118162

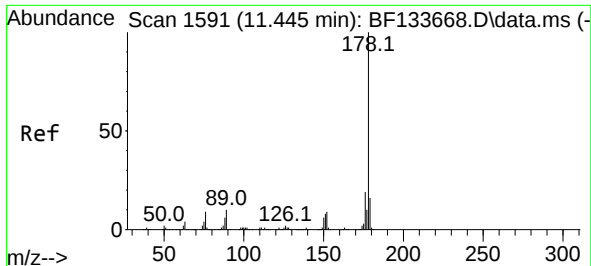
Ion Ratio Lower Upper

178 100

176 18.5 15.6 23.4

179 14.8 12.4 18.6

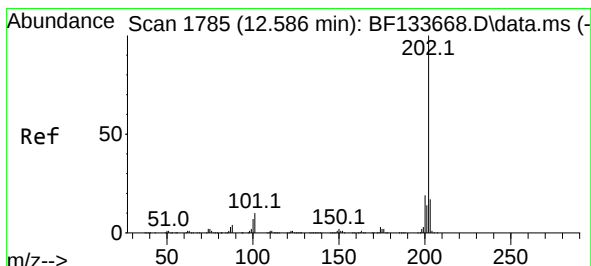
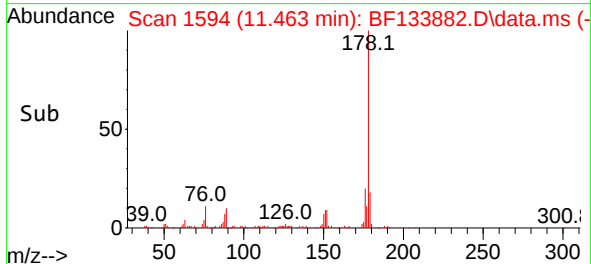
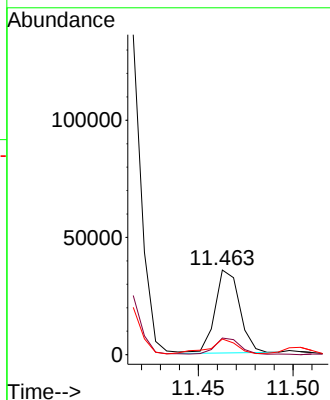
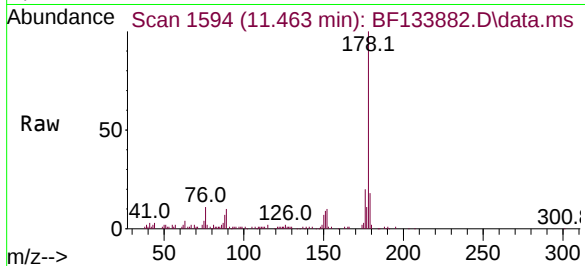




#72
 Anthracene
 Concen: 2.207 ng
 RT: 11.463 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133882.D
 Acq: 21 Jun 2023 21:10

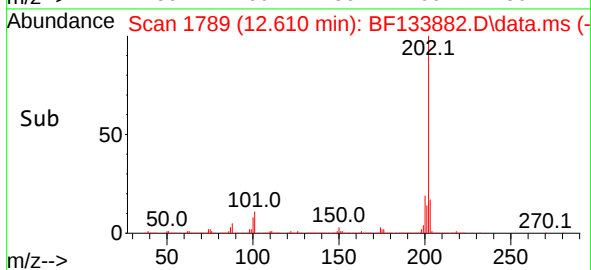
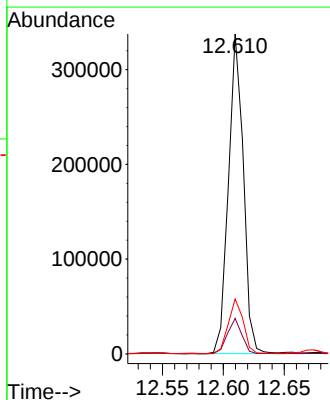
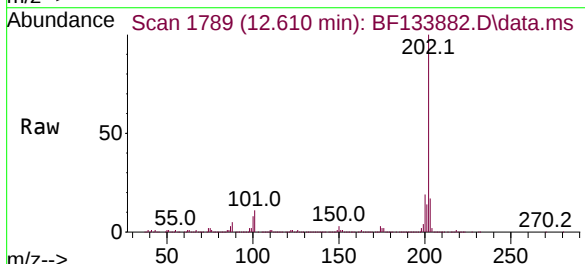
Instrument :
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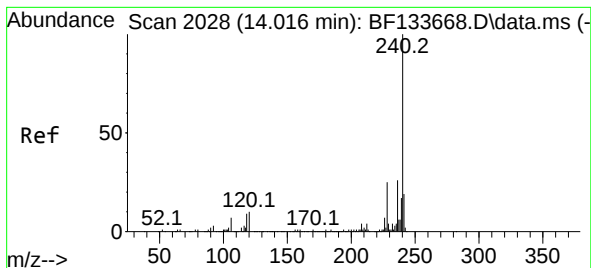
Tgt Ion:178 Resp: 32152
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.1 22.7
 179 18.4 12.6 18.8



#75
 Fluoranthene
 Concen: 19.313 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. 0.000 min
 Lab File: BF133882.D
 Acq: 21 Jun 2023 21:10

Tgt Ion:202 Resp: 286581
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 29.6
 203 17.2 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF133882.D

Acq: 21 Jun 2023 21:10

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-R-01

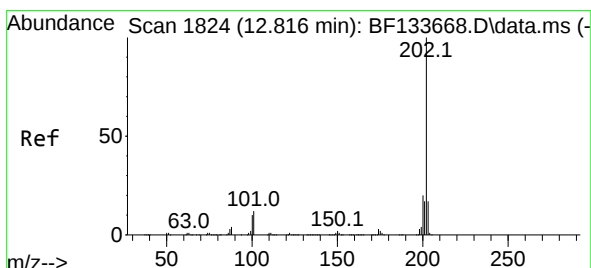
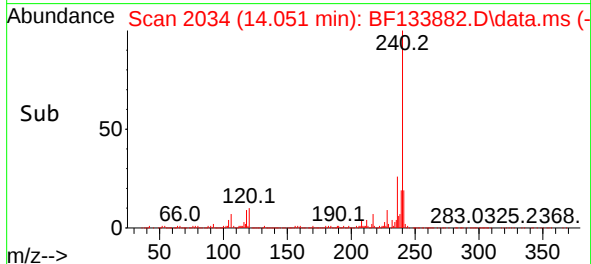
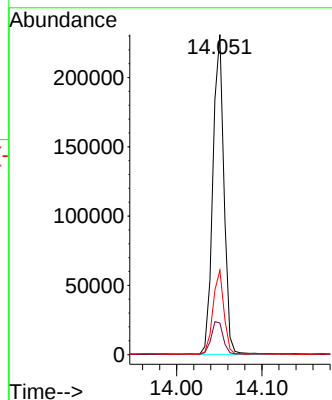
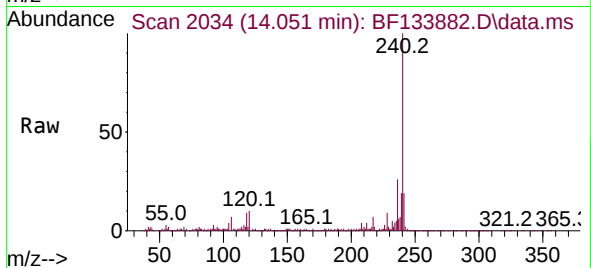
Tgt Ion:240 Resp: 207920

Ion Ratio Lower Upper

240 100

120 9.9 8.1 12.1

236 26.4 20.5 30.7



#78

Pyrene

Concen: 13.853 ng

RT: 12.839 min Scan# 1828

Delta R.T. 0.000 min

Lab File: BF133882.D

Acq: 21 Jun 2023 21:10

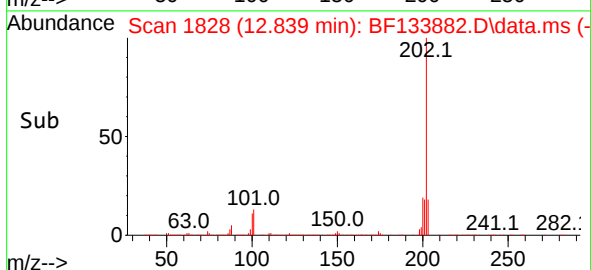
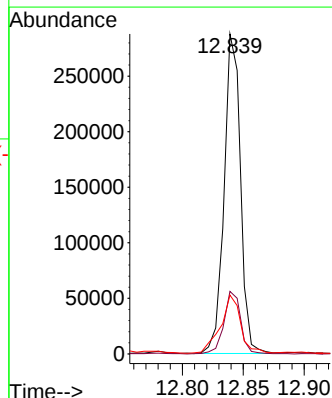
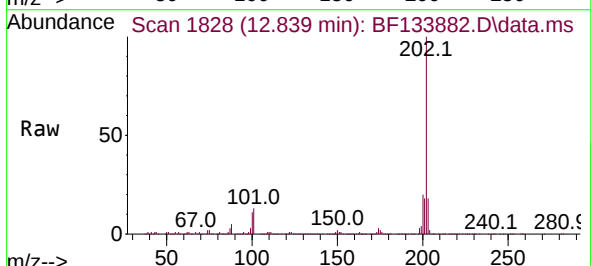
Tgt Ion:202 Resp: 268309

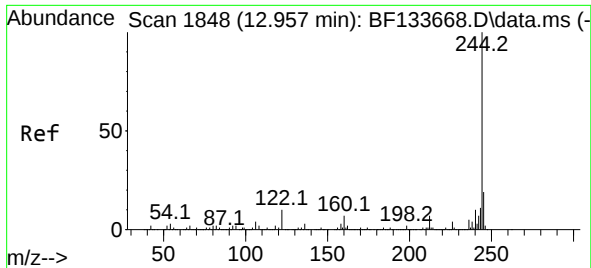
Ion Ratio Lower Upper

202 100

200 19.5 16.2 24.2

203 18.4 13.9 20.9

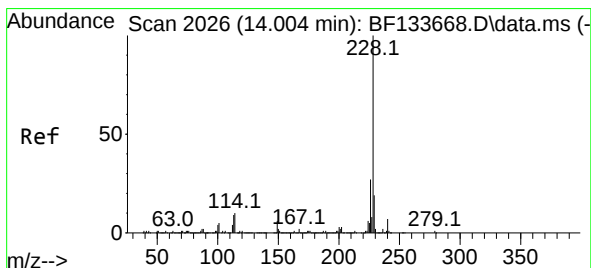
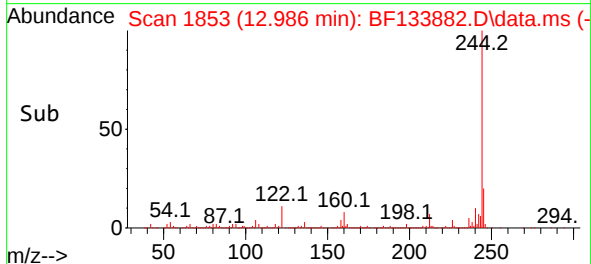
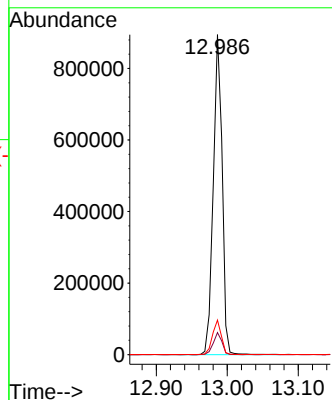
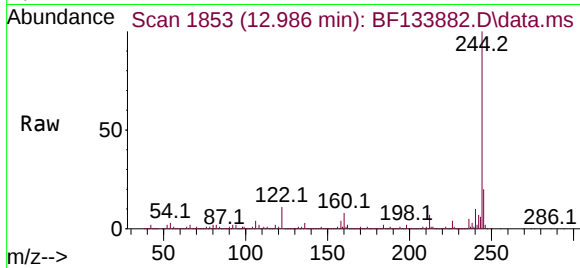




#79
 Terphenyl-d14
 Concen: 57.898 ng
 RT: 12.986 min Scan# 1848
 Delta R.T. 0.000 min
 Lab File: BF133882.D
 Acq: 21 Jun 2023 21:10

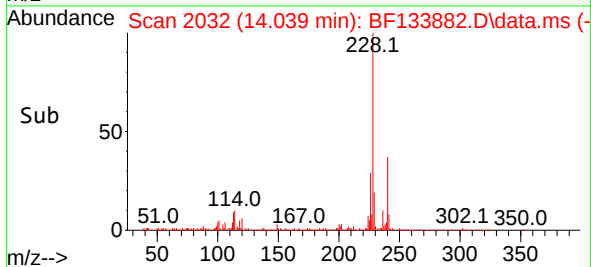
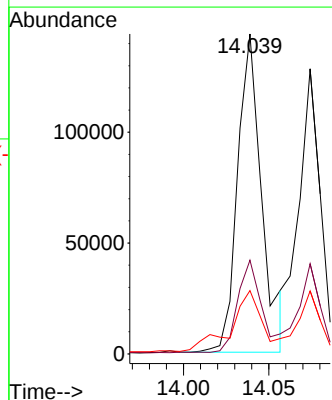
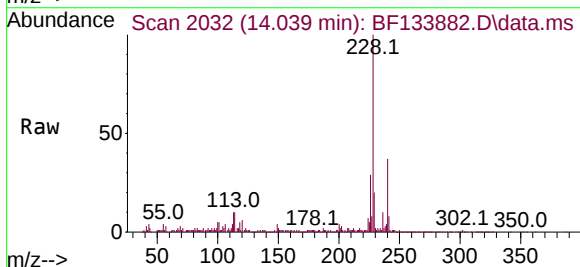
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-R-01

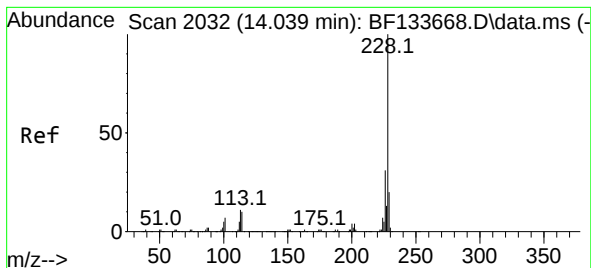
Tgt Ion:244 Resp: 777991
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.2
 122 10.8 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 9.844 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. 0.006 min
 Lab File: BF133882.D
 Acq: 21 Jun 2023 21:10

Tgt Ion:228 Resp: 141569
 Ion Ratio Lower Upper
 228 100
 226 29.3 21.7 32.5
 229 19.8 15.4 23.2





#83

Chrysene

Concen: 8.349 ng

RT: 14.074 min Scan# 2032

Delta R.T. 0.000 min

Lab File: BF133882.D

Acq: 21 Jun 2023 21:10

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-R-01

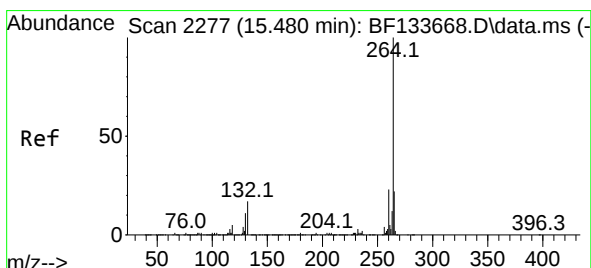
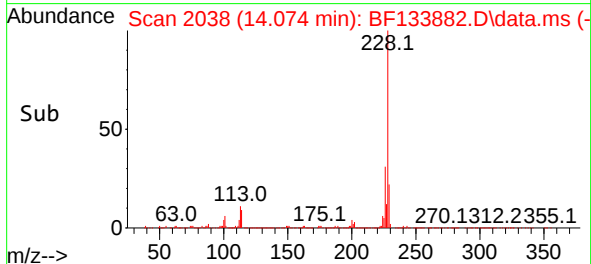
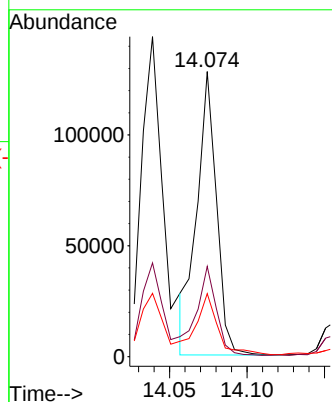
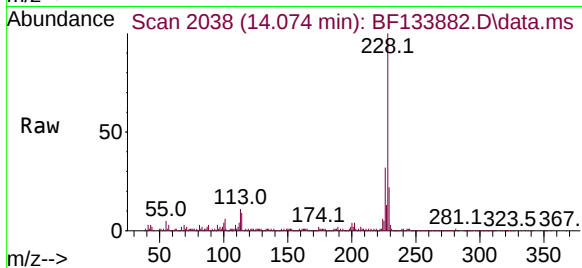
Tgt Ion:228 Resp: 113573

Ion Ratio Lower Upper

228 100

226 31.6 25.0 37.6

229 22.1 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: BF133882.D

Acq: 21 Jun 2023 21:10

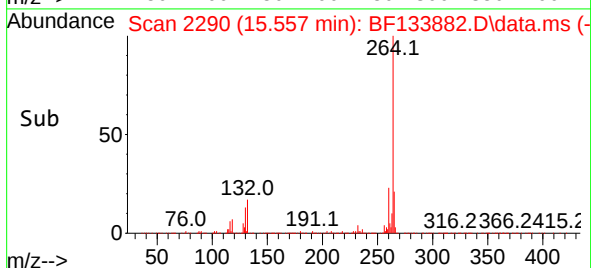
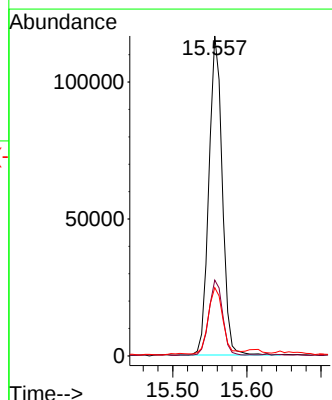
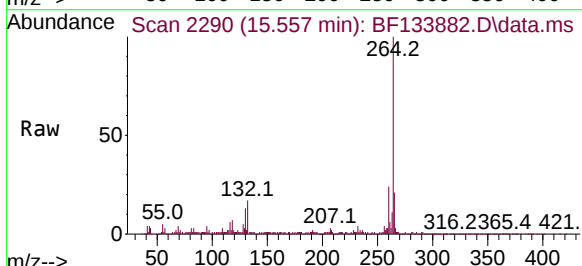
Tgt Ion:264 Resp: 145831

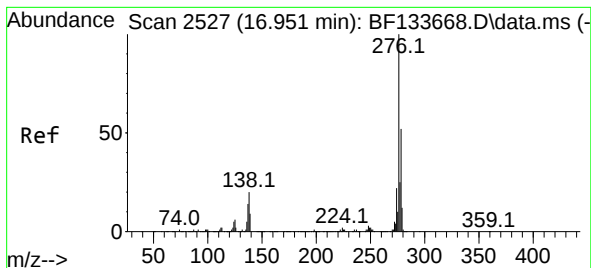
Ion Ratio Lower Upper

264 100

260 23.7 18.2 27.2

265 21.3 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.214 ng

RT: 17.103 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133882.D

Acq: 21 Jun 2023 21:10

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-R-01

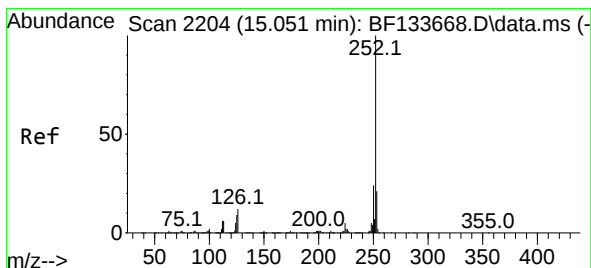
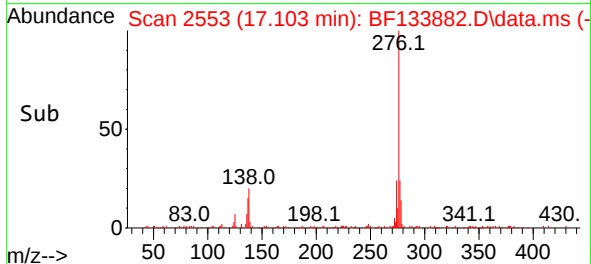
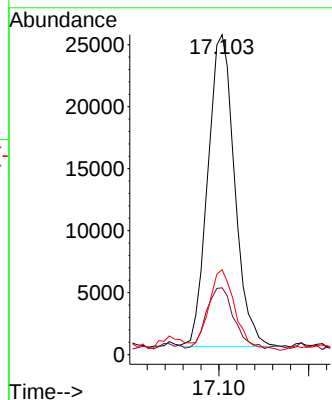
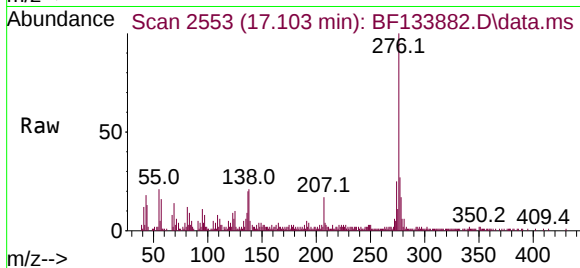
Tgt Ion:276 Resp: 52311

Ion Ratio Lower Upper

276 100

138 19.9 17.9 26.9

277 25.5 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 13.722 ng m

RT: 15.110 min Scan# 2214

Delta R.T. 0.006 min

Lab File: BF133882.D

Acq: 21 Jun 2023 21:10

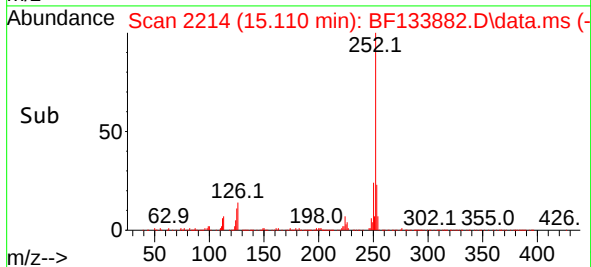
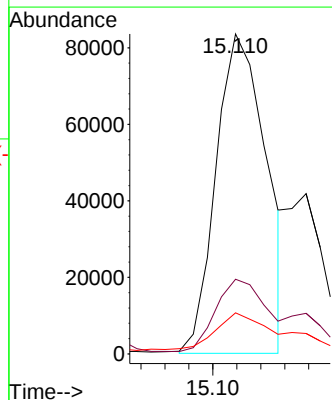
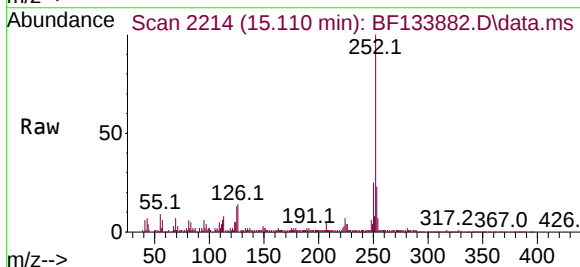
Tgt Ion:252 Resp: 121556

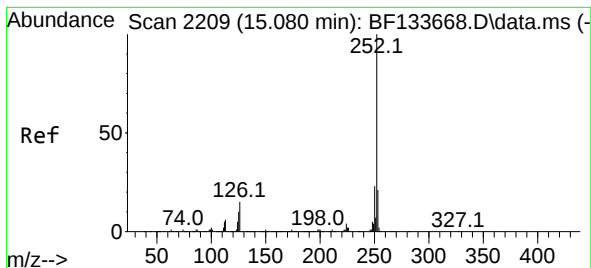
Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.6

125 12.8 7.3 10.9#





#89

Benzo(k)fluoranthene

Concen: 4.989 ng m

RT: 15.139 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133882.D

Acq: 21 Jun 2023 21:10

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-R-01

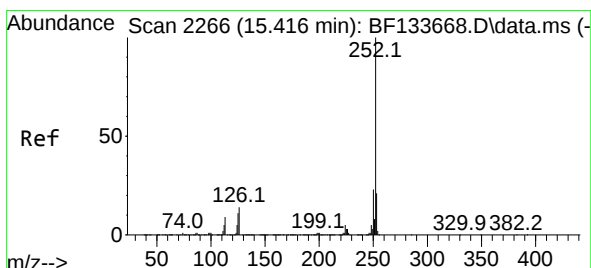
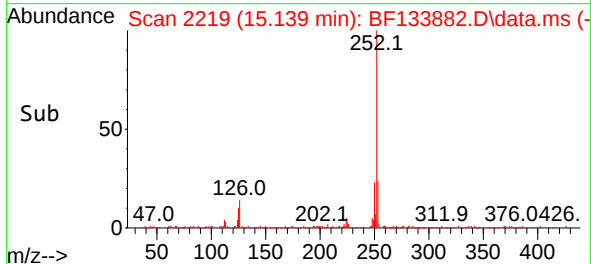
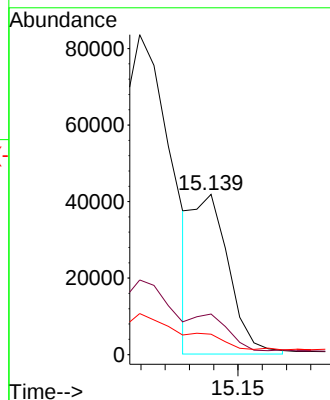
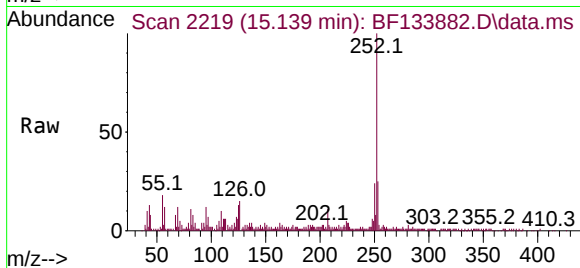
Tgt Ion:252 Resp: 43048

Ion Ratio Lower Upper

252 100

253 25.4 17.0 25.4

125 12.7 7.8 11.6#



#90

Benzo(a)pyrene

Concen: 9.925 ng

RT: 15.492 min Scan# 2279

Delta R.T. 0.006 min

Lab File: BF133882.D

Acq: 21 Jun 2023 21:10

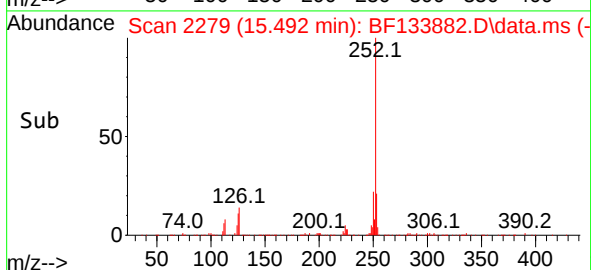
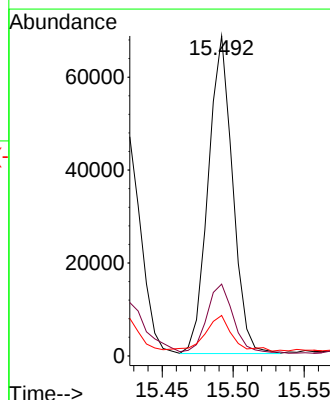
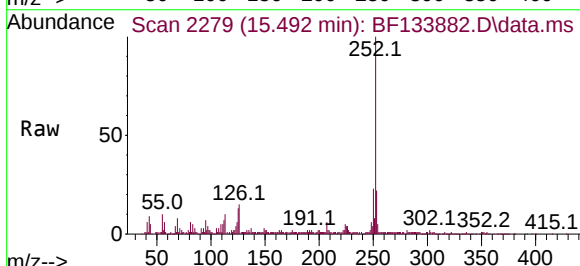
Tgt Ion:252 Resp: 81598

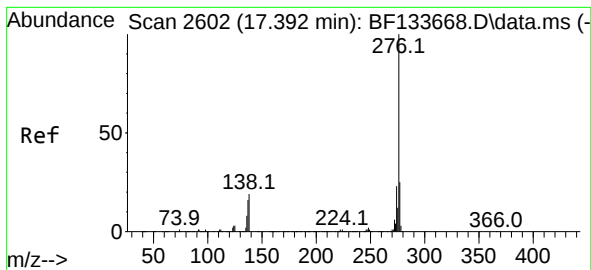
Ion Ratio Lower Upper

252 100

253 22.4 17.1 25.7

125 12.6 8.6 13.0





#92

Benzo(g,h,i)perylene

Concen: 6.206 ng

RT: 17.574 min Scan# 2602

Delta R.T. 0.000 min

Lab File: BF133882.D

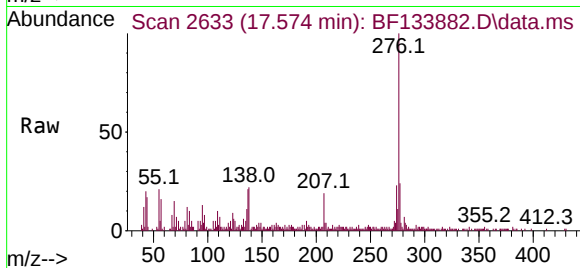
Acq: 21 Jun 2023 21:10

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-R-01



Tgt Ion:276 Resp: 51108

Ion Ratio Lower Upper

276 100

277 23.6 19.8 29.8

138 21.6 15.0 22.4

