

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
 Data File : BF133852.D
 Acq On : 20 Jun 2023 12:52
 Operator : CG\JU
 Sample : 03222-13 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-SB-06

Quant Time: Jun 20 13:59:27 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)

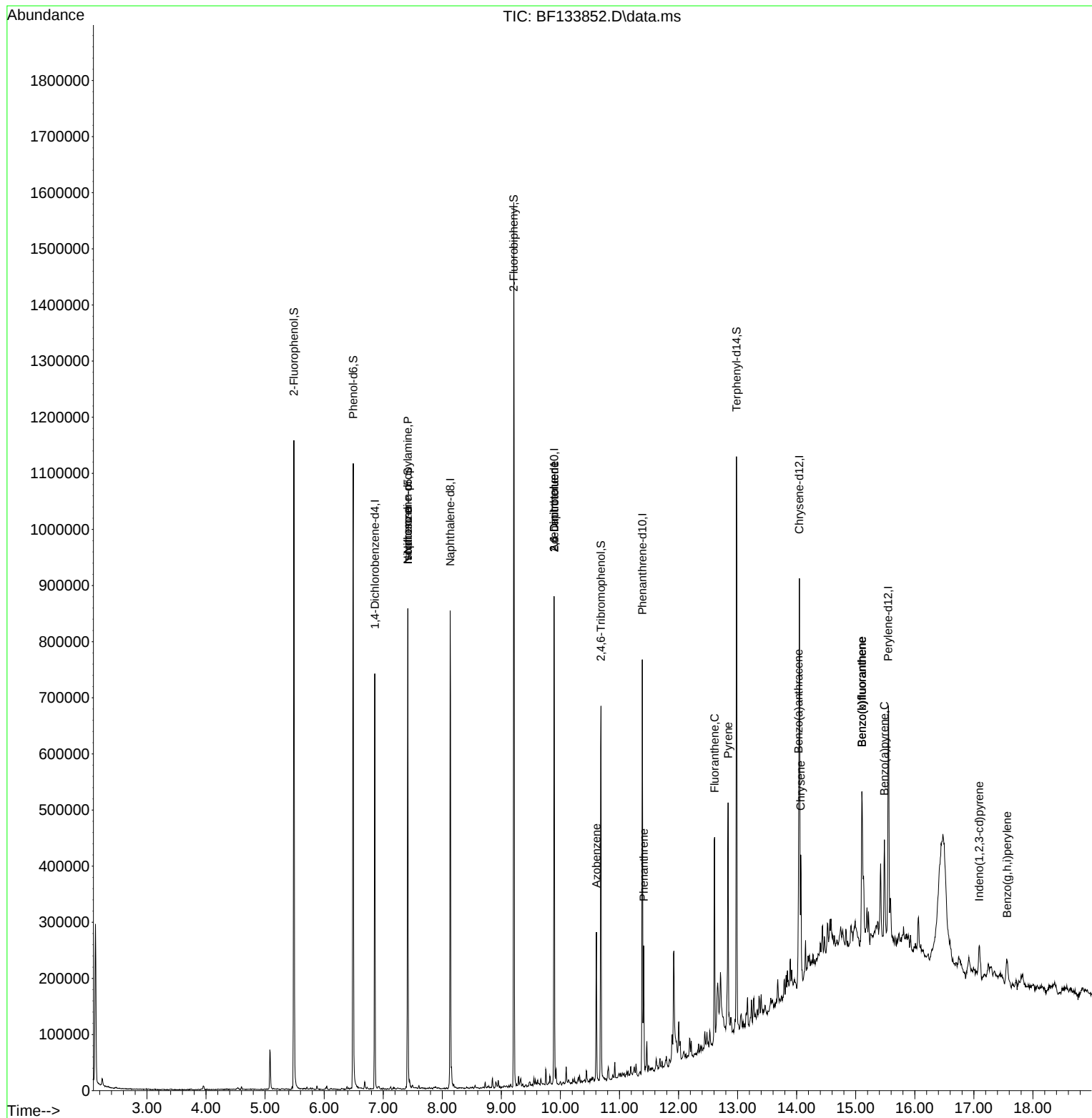
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	94498	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	353348	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	157290	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	246026	20.000	ng	0.00
76) Chrysene-d12	14.045	240	203191	20.000	ng	0.00
86) Perylene-d12	15.551	264	211703	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	277564	51.135	ng	0.00
7) Phenol-d6	6.493	99	325803	46.111	ng	0.00
23) Nitrobenzene-d5	7.416	82	222076	34.232	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	75339	37.840	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	436615	39.459	ng	0.00
79) Terphenyl-d14	12.980	244	344478	26.233	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	30820	6.856	ng	# 80
25) Isophorone	7.416	82	222071	18.646	ng	# 65
51) 2,6-Dinitrotoluene	9.892	165	19516	8.053	ng	# 28
57) 2,4-Dinitrotoluene	9.892	165	19516	6.332	ng	# 20
63) Azobenzene	10.610	77	41422	3.662	ng	# 1
71) Phenanthrene	11.410	178	72552	5.812	ng	99
75) Fluoranthene	12.610	202	155444	11.727	ng	99
78) Pyrene	12.839	202	164851	8.709	ng	99
81) Benzo(a)anthracene	14.033	228	101910	7.251	ng	94
83) Chrysene	14.069	228	91502	6.883	ng	96
87) Indeno(1,2,3-cd)pyrene	17.092	276	42831	2.941	ng	99
88) Benzo(b)fluoranthene	15.104	252	189857	14.763	ng	# 94
89) Benzo(k)fluoranthene	15.104	252	189857	15.156	ng	# 95
90) Benzo(a)pyrene	15.486	252	92011	7.709	ng	95
92) Benzo(g,h,i)perylene	17.562	276	41643	3.483	ng	# 95

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

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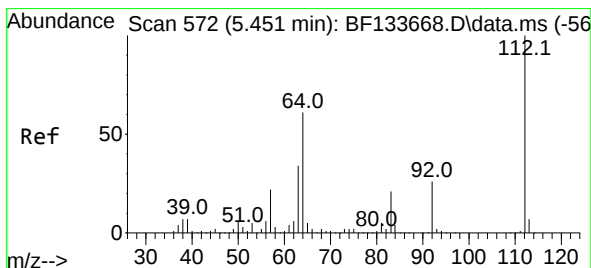
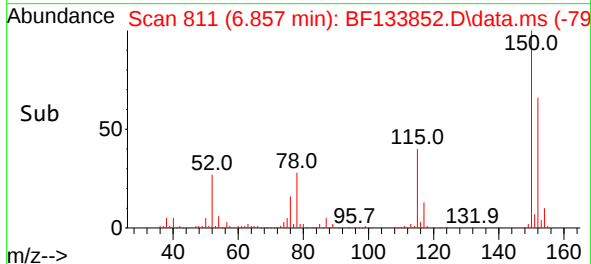
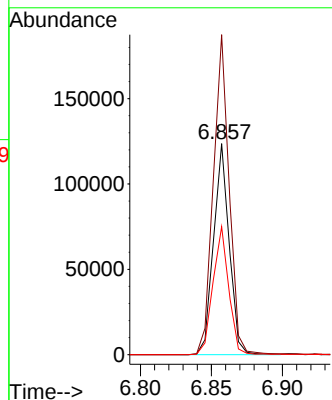
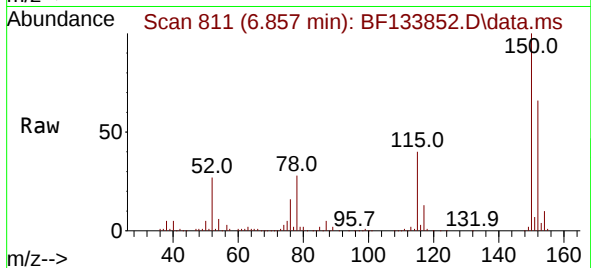




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52

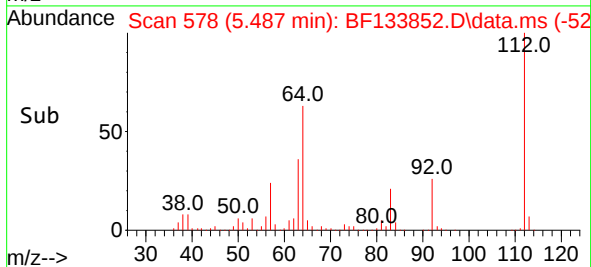
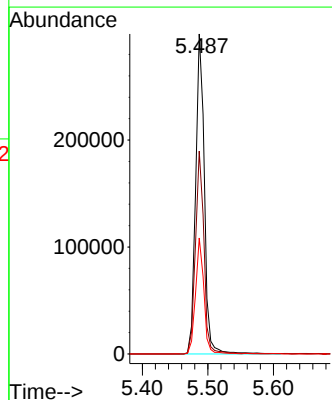
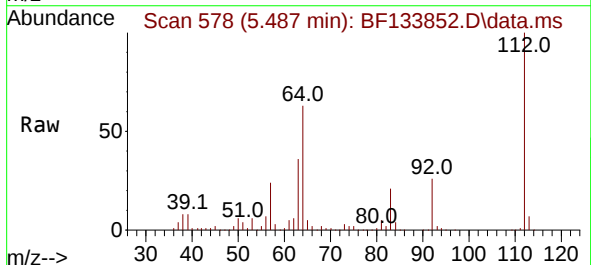
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB-06

Tgt Ion:152 Resp: 94498
Ion Ratio Lower Upper
152 100
150 151.6 124.3 186.5
115 60.7 48.5 72.7



#5
2-Fluorophenol
Concen: 51.135 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52

Tgt Ion:112 Resp: 277564
Ion Ratio Lower Upper
112 100
64 63.4 49.0 73.4
63 36.3 26.8 40.2

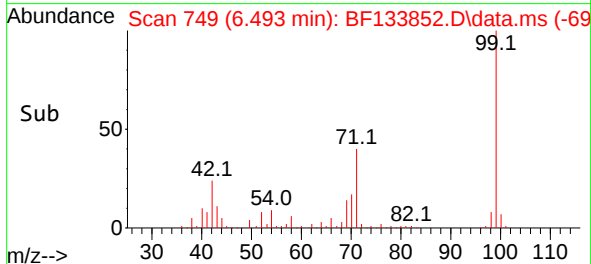
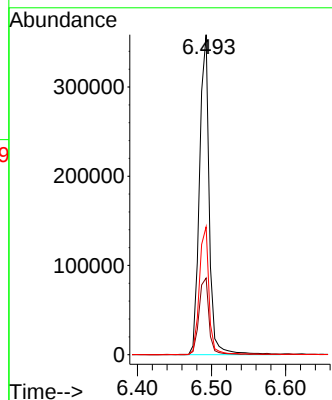
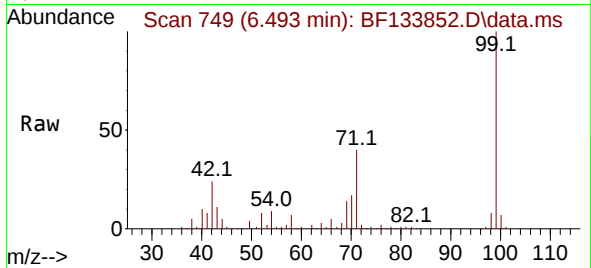




#7
Phenol-d6
Concen: 46.111 ng
RT: 6.493 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52

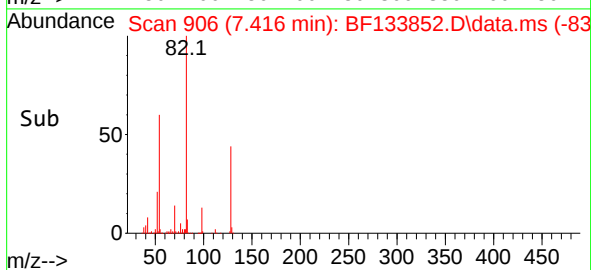
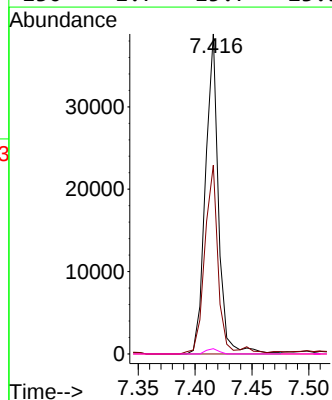
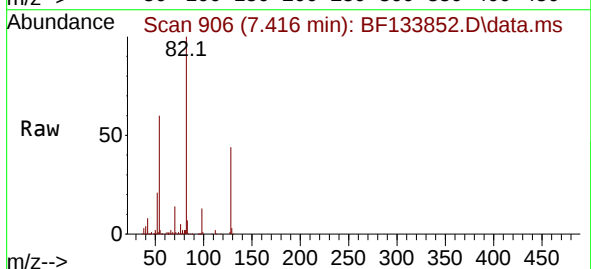
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB-06

Tgt Ion: 99 Resp: 325803
Ion Ratio Lower Upper
99 100
42 23.9 19.9 29.9
71 40.0 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 6.856 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.141 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52

Tgt Ion: 70 Resp: 30820
Ion Ratio Lower Upper
70 100
42 59.0 55.8 83.8
101 0.0 8.1 12.1#
130 1.7 15.7 23.5#



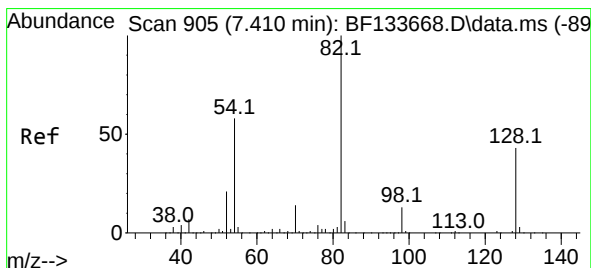
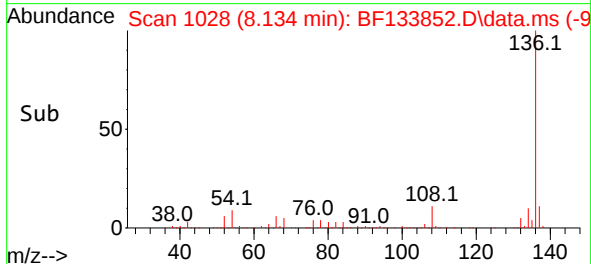
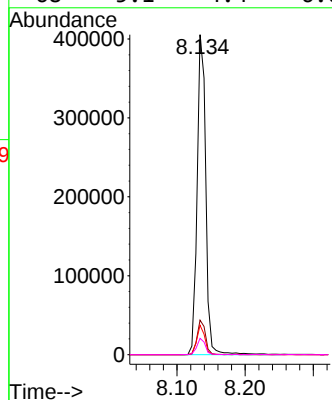
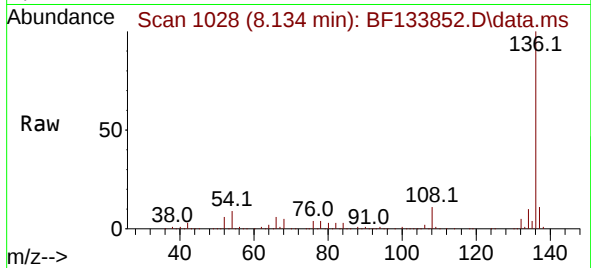


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB-06

Tgt Ion:136 Resp: 353348

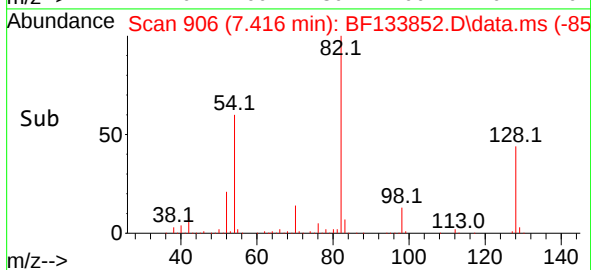
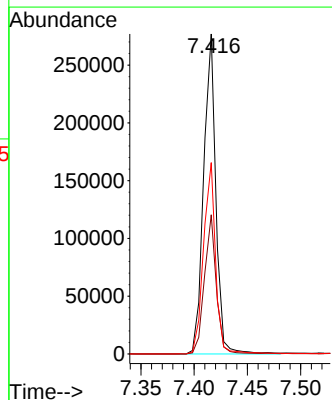
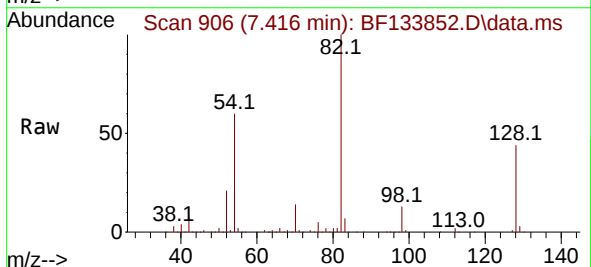
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.2	7.4	11.0
68	5.1	4.4	6.6



#23
Nitrobenzene-d5
Concen: 34.232 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52

Tgt Ion: 82 Resp: 222076

Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.2	51.2
54	59.8	46.5	69.7

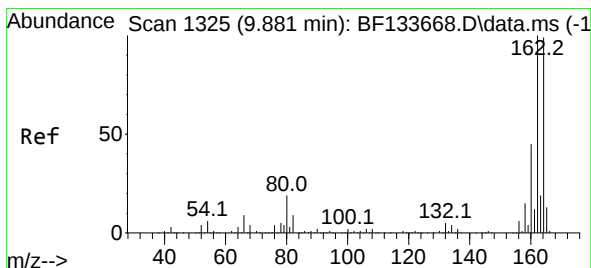
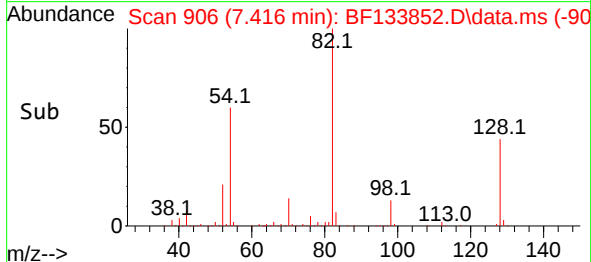
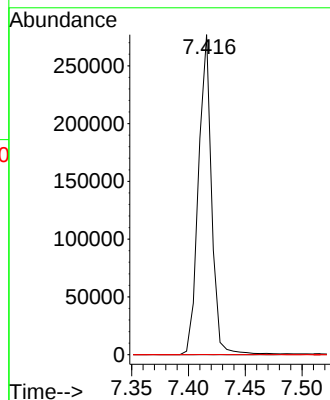
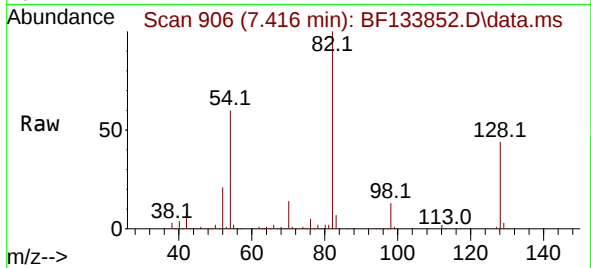




#25
Isophorone
Concen: 18.646 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52

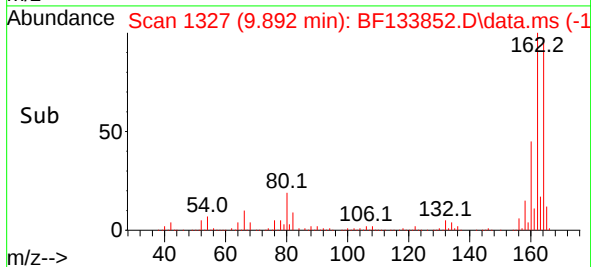
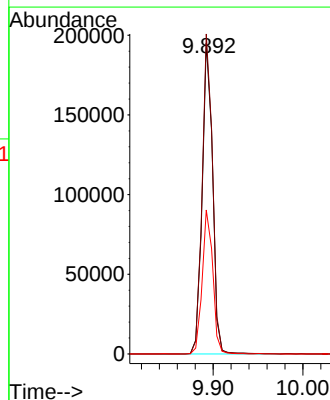
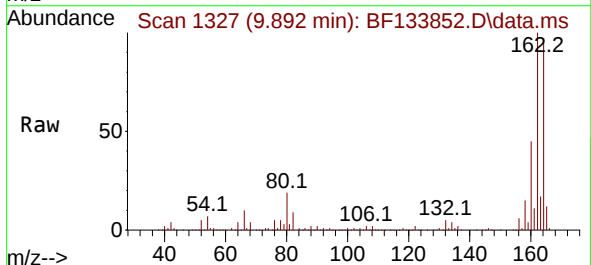
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB-06

Tgt Ion: 82 Resp: 222071
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52

Tgt Ion: 164 Resp: 157290
Ion Ratio Lower Upper
164 100
162 103.0 80.8 121.2
160 46.3 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 37.840 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF133852.D

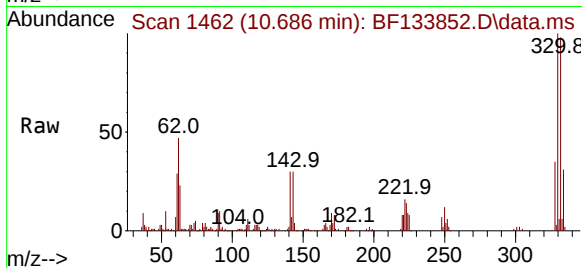
Acq: 20 Jun 2023 12:52

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-SB-06



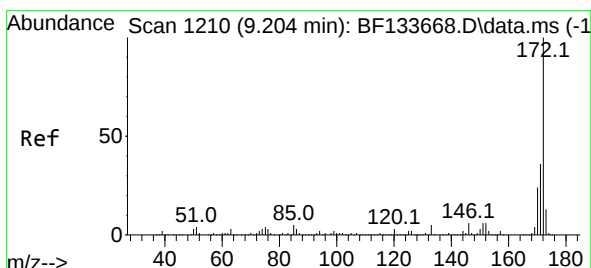
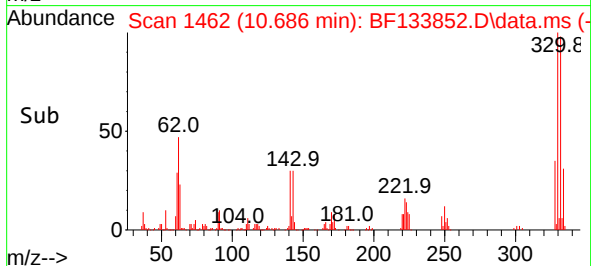
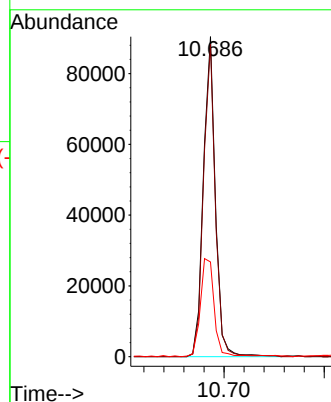
Tgt Ion:330 Resp: 75339

Ion Ratio Lower Upper

330 100

332 96.4 77.2 115.8

141 35.4 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 39.459 ng

RT: 9.210 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF133852.D

Acq: 20 Jun 2023 12:52

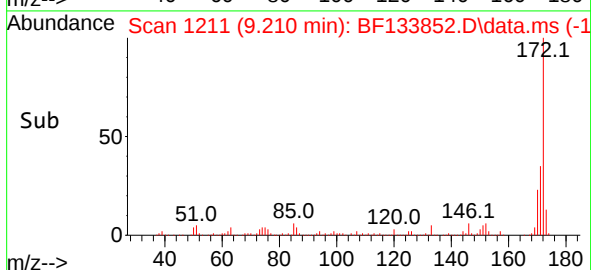
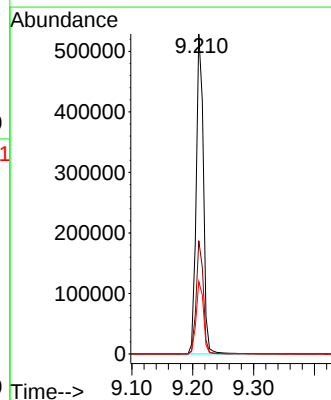
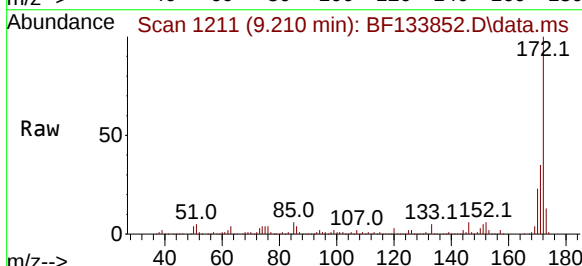
Tgt Ion:172 Resp: 436615

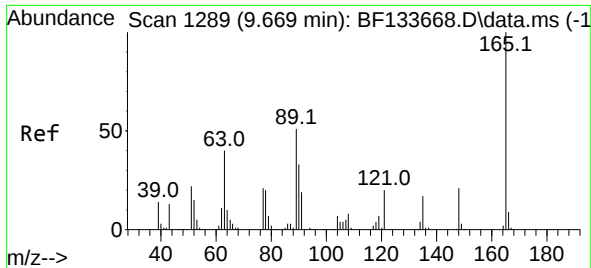
Ion Ratio Lower Upper

172 100

171 35.4 28.6 43.0

170 22.6 19.1 28.7

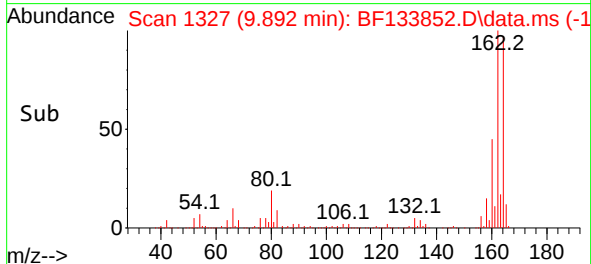
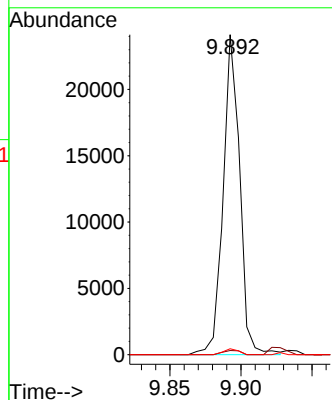
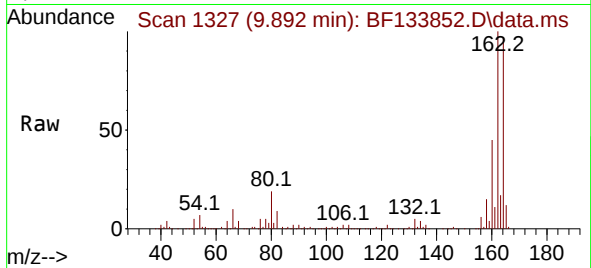




#51
2,6-Dinitrotoluene
Concen: 8.053 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.212 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52

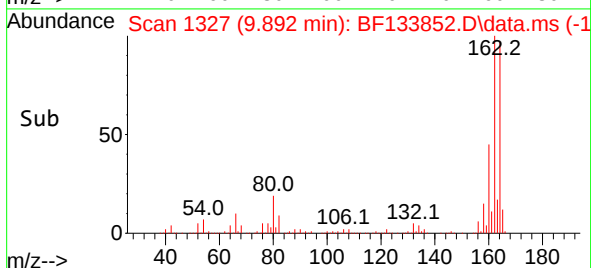
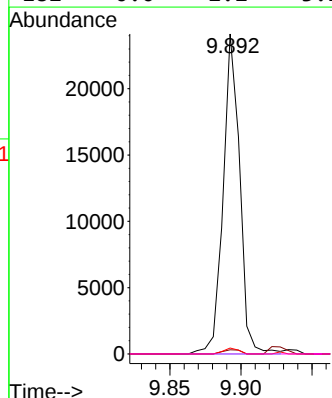
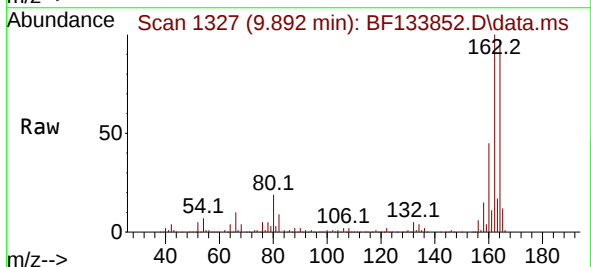
Instrument :
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COMPOSITE-SB-06

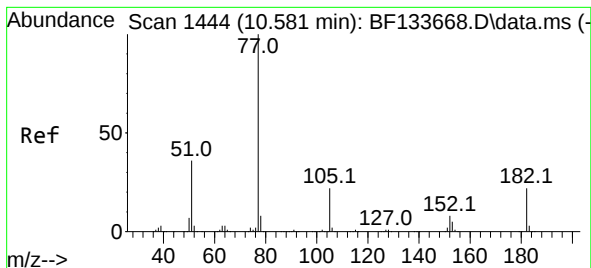
Tgt Ion:165 Resp: 19516
Ion Ratio Lower Upper
165 100
63 1.3 42.1 63.1#
89 1.8 40.9 61.3#



#57
2,4-Dinitrotoluene
Concen: 6.332 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.194 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52

Tgt Ion:165 Resp: 19516
Ion Ratio Lower Upper
165 100
63 1.3 43.0 64.6#
89 1.8 62.6 93.8#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 3.662 ng

RT: 10.610 min Scan# 1444

Delta R.T. 0.012 min

Lab File: BF133852.D

Acq: 20 Jun 2023 12:52

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-SB-06

Tgt Ion: 77 Resp: 41422

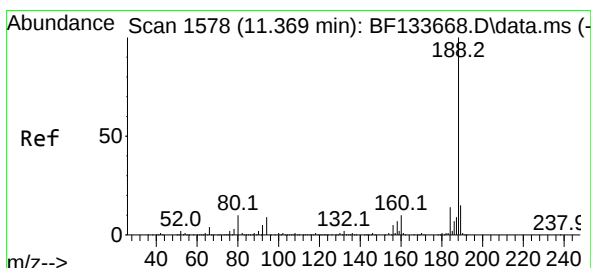
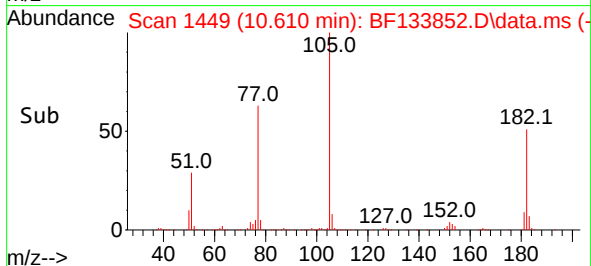
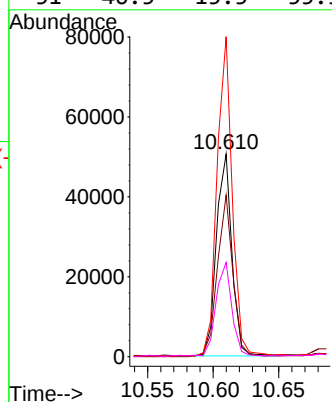
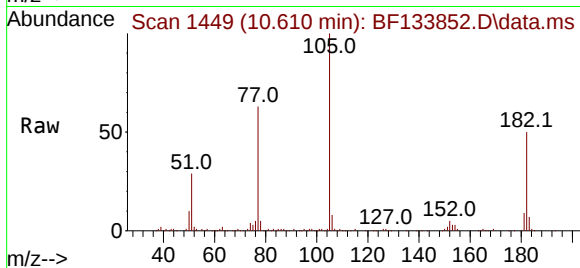
Ion Ratio Lower Upper

77 100

182 79.7 1.6 41.6#

105 157.9 1.6 41.6#

51 46.5 15.5 55.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1581

Delta R.T. 0.000 min

Lab File: BF133852.D

Acq: 20 Jun 2023 12:52

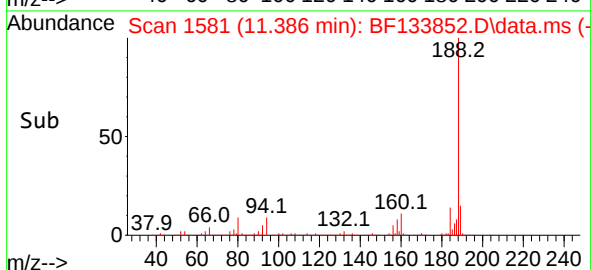
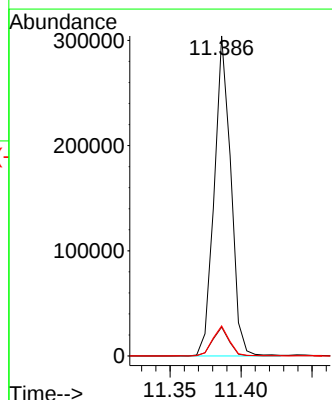
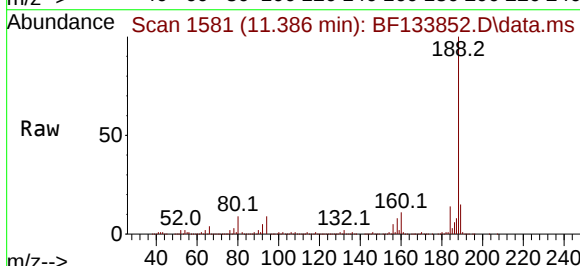
Tgt Ion: 188 Resp: 246026

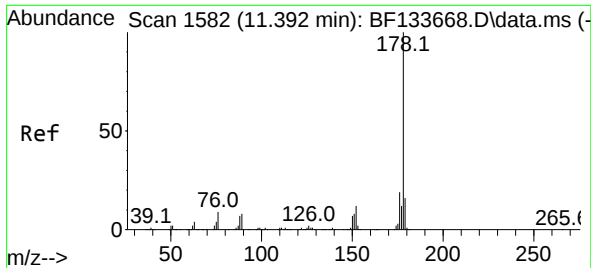
Ion Ratio Lower Upper

188 100

94 9.0 6.8 10.2

80 9.4 7.8 11.6

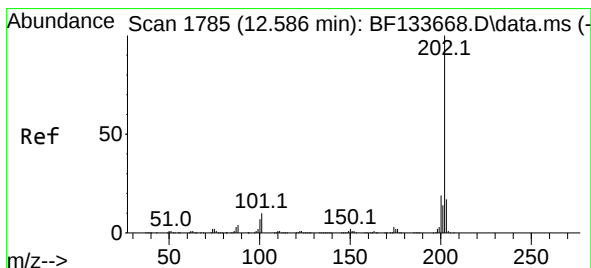
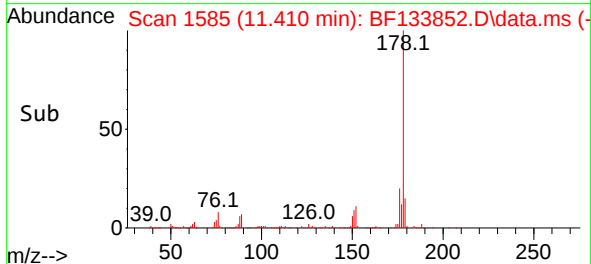
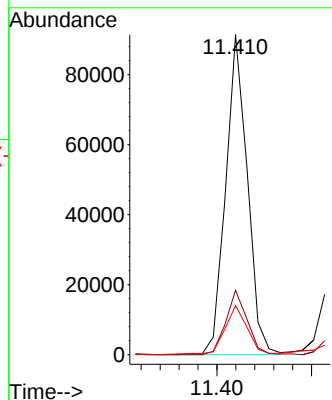
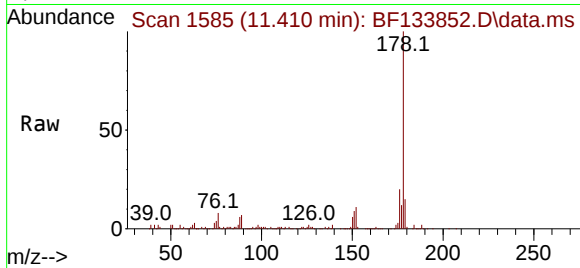




#71
Phenanthrene
Concen: 5.812 ng
RT: 11.410 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52

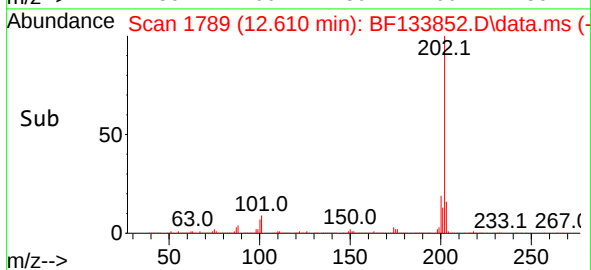
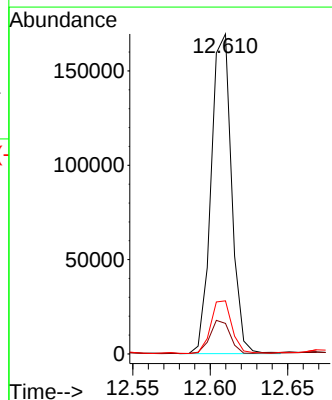
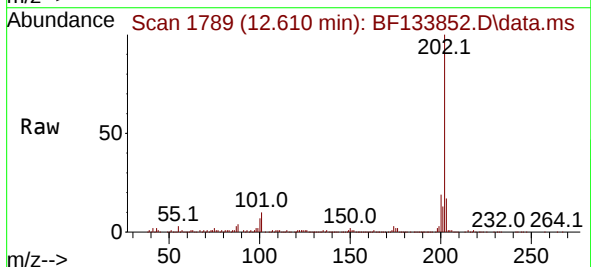
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB-06

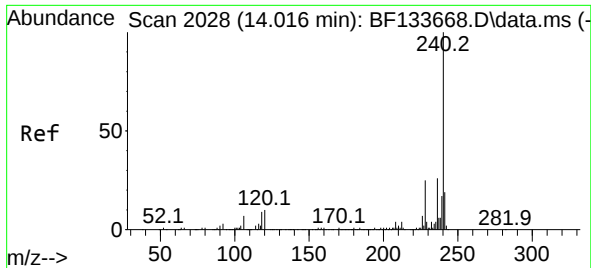
Tgt Ion:178	Resp:	72552
Ion Ratio	Lower	Upper
178	100	
176	20.2	15.6 23.4
179	15.3	12.4 18.6



#75
Fluoranthene
Concen: 11.727 ng
RT: 12.610 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52

Tgt Ion:202	Resp:	155444
Ion Ratio	Lower	Upper
202	100	
101	9.5	0.0 29.6
203	16.6	0.0 37.4

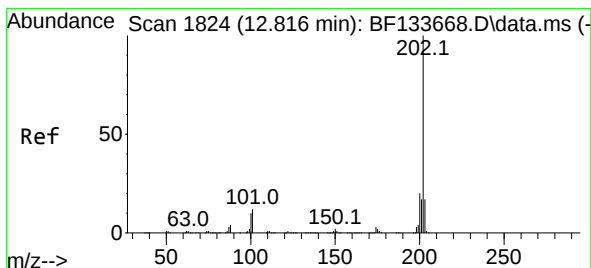
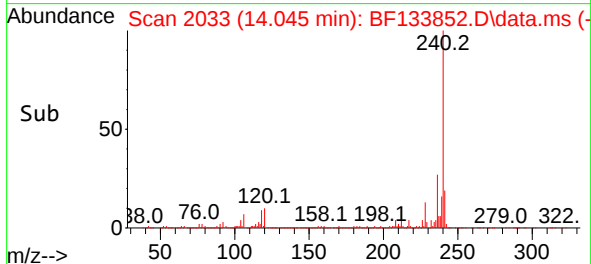
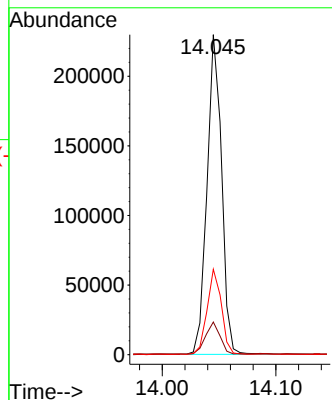
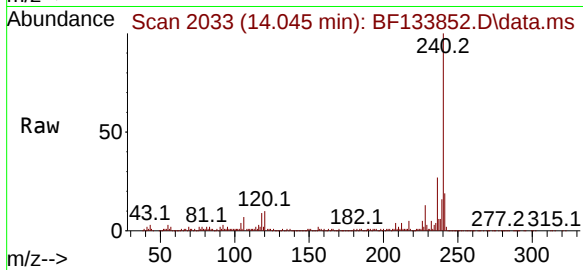




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52

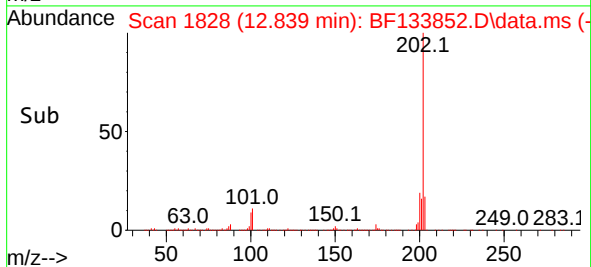
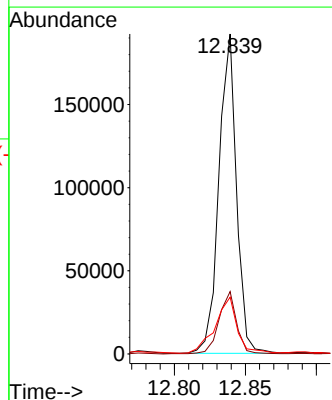
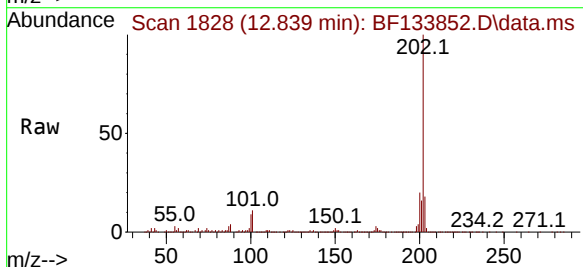
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB-06

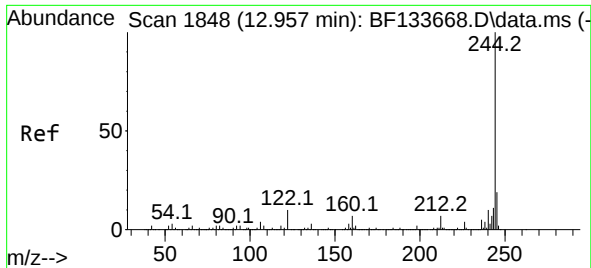
Tgt Ion:240 Resp: 203191
Ion Ratio Lower Upper
240 100
120 10.2 8.1 12.1
236 26.7 20.5 30.7



#78
Pyrene
Concen: 8.709 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF133852.D
Acq: 20 Jun 2023 12:52

Tgt Ion:202 Resp: 164851
Ion Ratio Lower Upper
202 100
200 19.5 16.2 24.2
203 17.7 13.9 20.9

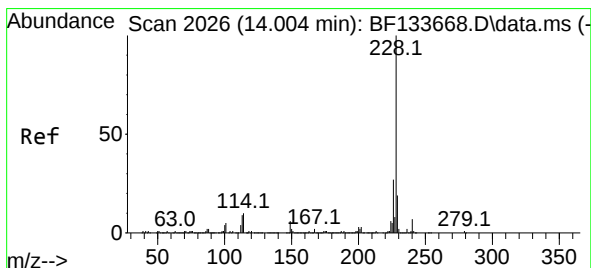
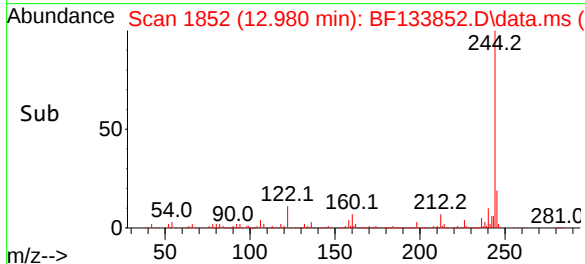
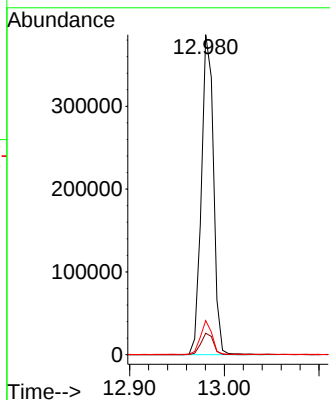
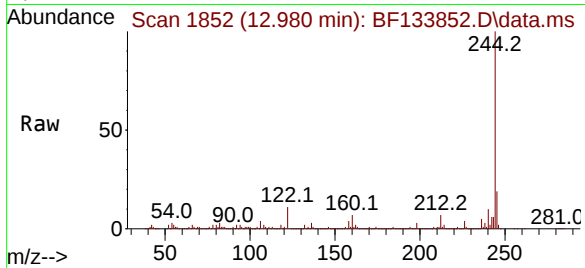




#79
 Terphenyl-d14
 Concen: 26.233 ng
 RT: 12.980 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF133852.D
 Acq: 20 Jun 2023 12:52

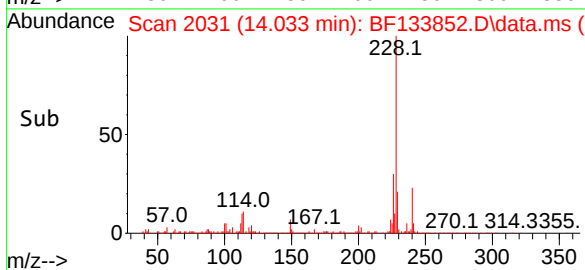
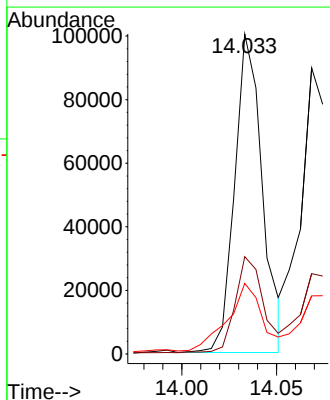
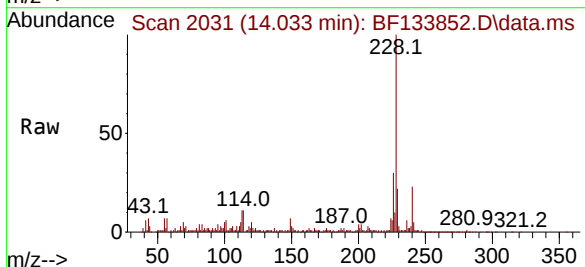
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-SB-06

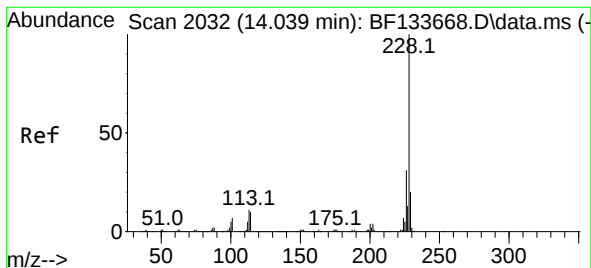
Tgt Ion:244 Resp: 344478
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.2
 122 10.7 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 7.251 ng
 RT: 14.033 min Scan# 2031
 Delta R.T. 0.000 min
 Lab File: BF133852.D
 Acq: 20 Jun 2023 12:52

Tgt Ion:228 Resp: 101910
 Ion Ratio Lower Upper
 228 100
 226 30.4 21.7 32.5
 229 22.0 15.4 23.2





#83

Chrysene

Concen: 6.883 ng

RT: 14.069 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF133852.D

Acq: 20 Jun 2023 12:52

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-SB-06

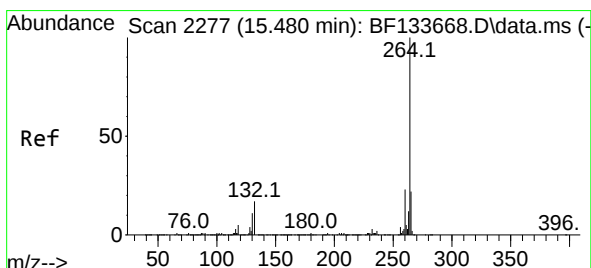
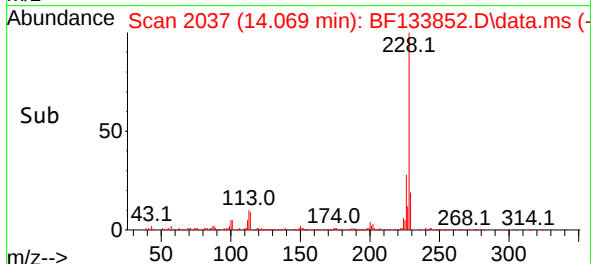
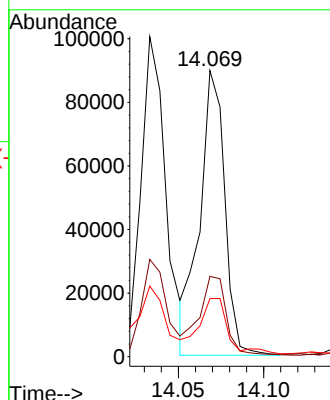
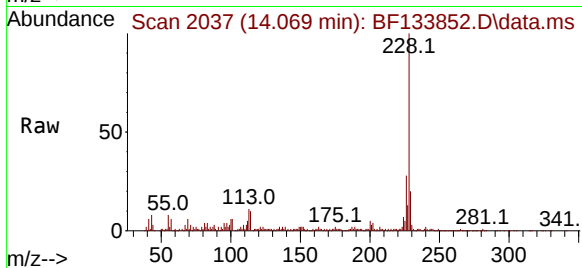
Tgt Ion:228 Resp: 91502

Ion Ratio Lower Upper

228 100

226 28.1 25.0 37.6

229 20.3 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2289

Delta R.T. 0.000 min

Lab File: BF133852.D

Acq: 20 Jun 2023 12:52

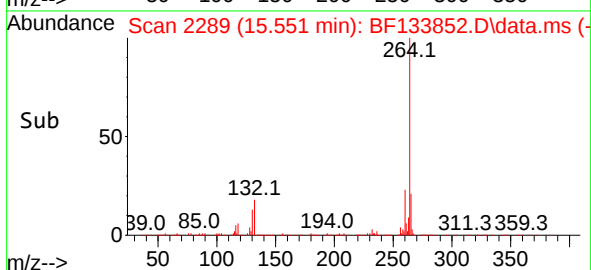
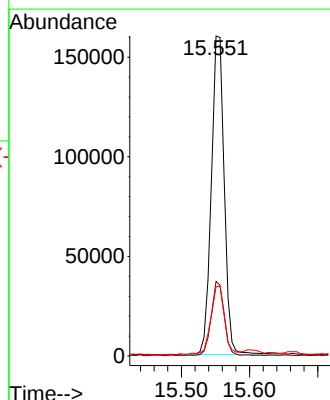
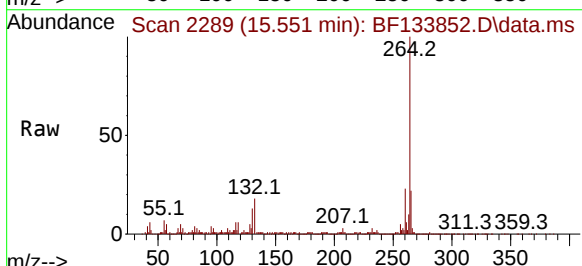
Tgt Ion:264 Resp: 211703

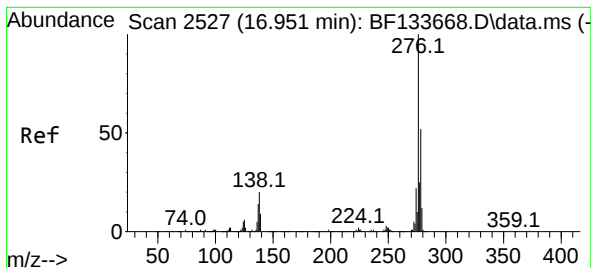
Ion Ratio Lower Upper

264 100

260 23.3 18.2 27.2

265 21.6 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.941 ng

RT: 17.092 min Scan# 2113

Delta R.T. -0.006 min

Lab File: BF133852.D

Acq: 20 Jun 2023 12:52

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-SB-06

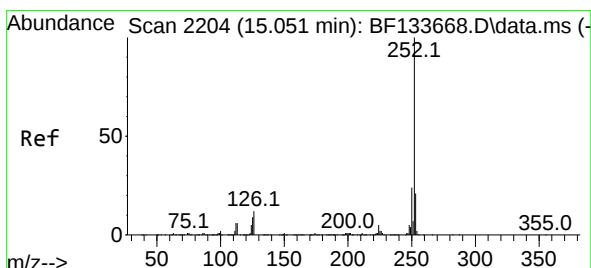
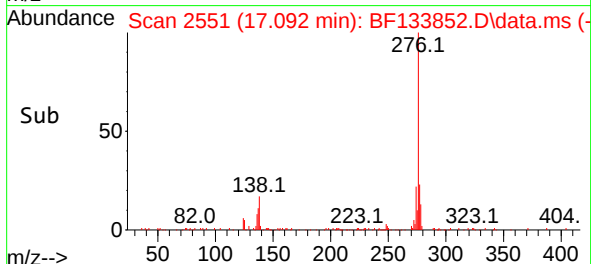
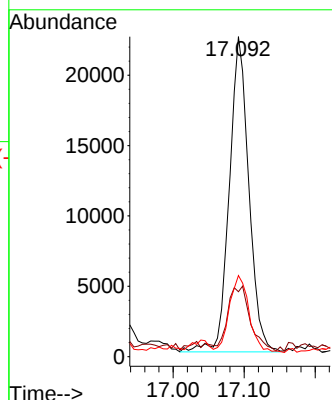
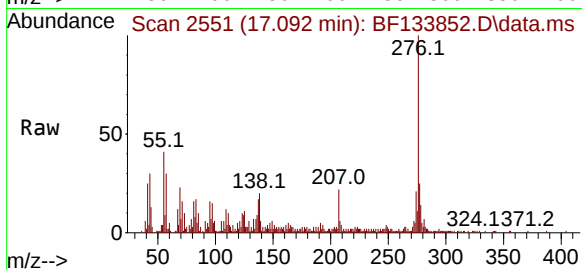
Tgt Ion:276 Resp: 42831

Ion Ratio Lower Upper

276 100

138 23.3 17.9 26.9

277 24.8 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 14.763 ng

RT: 15.104 min Scan# 2213

Delta R.T. 0.000 min

Lab File: BF133852.D

Acq: 20 Jun 2023 12:52

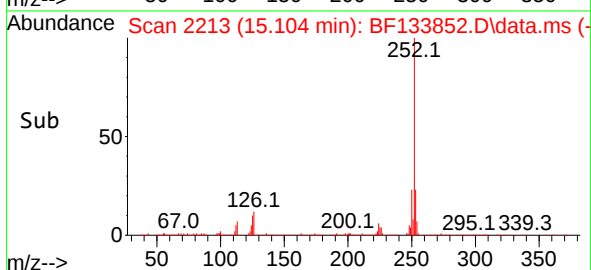
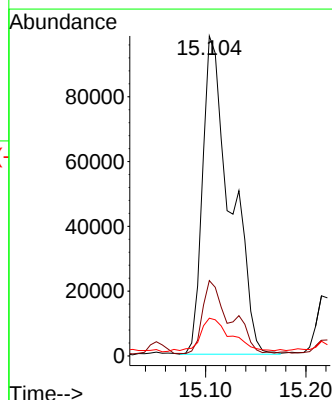
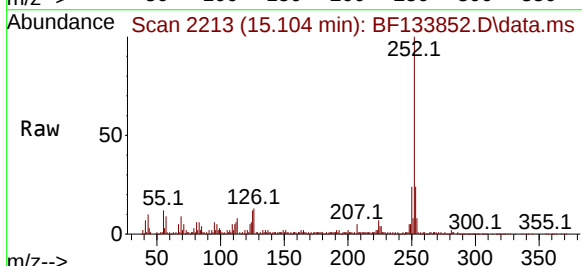
Tgt Ion:252 Resp: 189857

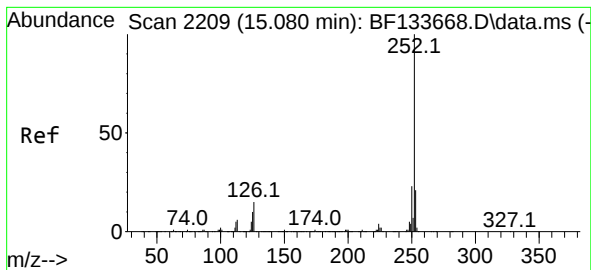
Ion Ratio Lower Upper

252 100

253 23.5 17.0 25.6

125 11.8 7.3 10.9#





#89

Benzo(k)fluoranthene

Concen: 15.156 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF133852.D

Acq: 20 Jun 2023 12:52

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-SB-06

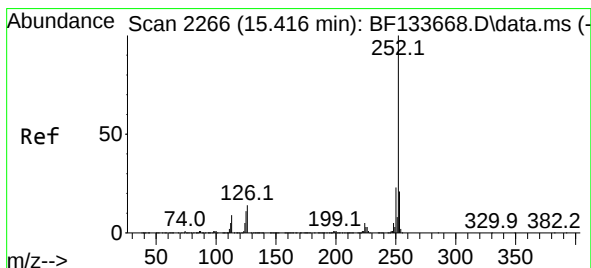
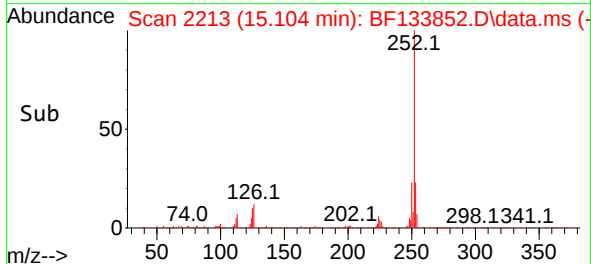
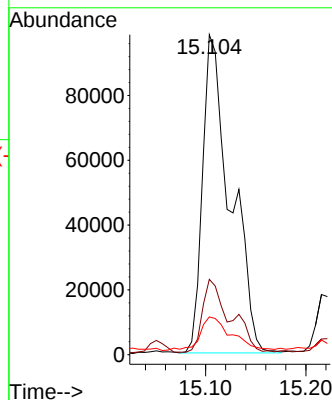
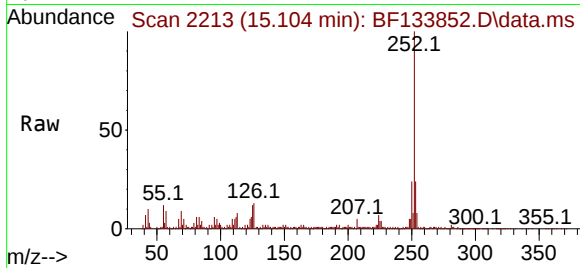
Tgt Ion:252 Resp: 189857

Ion Ratio Lower Upper

252 100

253 23.5 17.0 25.4

125 11.8 7.8 11.6#



#90

Benzo(a)pyrene

Concen: 7.709 ng

RT: 15.486 min Scan# 2278

Delta R.T. 0.000 min

Lab File: BF133852.D

Acq: 20 Jun 2023 12:52

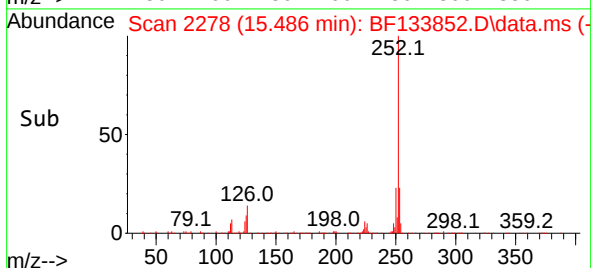
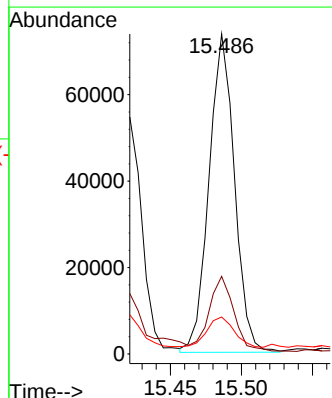
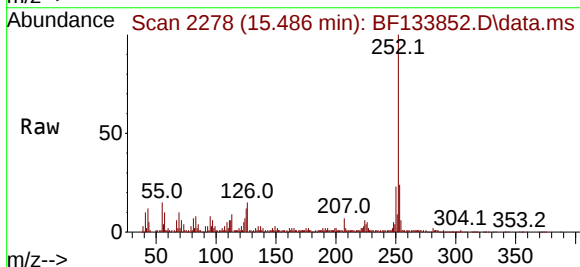
Tgt Ion:252 Resp: 92011

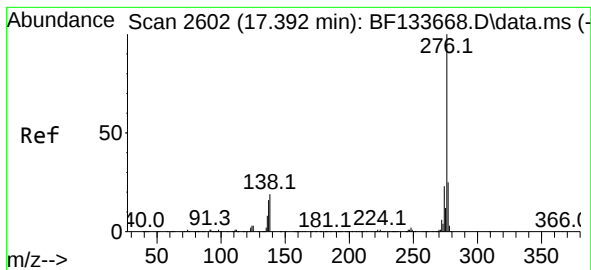
Ion Ratio Lower Upper

252 100

253 24.3 17.1 25.7

125 11.6 8.6 13.0





#92

Benzo(g,h,i)perylene

Concen: 3.483 ng

RT: 17.562 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF133852.D

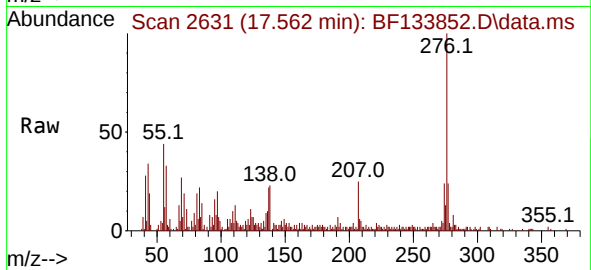
Acq: 20 Jun 2023 12:52

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-SB-06



Tgt Ion:276 Resp: 41643

Ion Ratio Lower Upper

276 100

277 23.6 19.8 29.8

138 22.8 15.0 22.4#

