

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062223\
 Data File : BF133897.D
 Acq On : 22 Jun 2023 12:51
 Operator : CG\JU
 Sample : 03289-22DL 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-0-2.0DL

Quant Time: Jun 22 13:24:17 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)

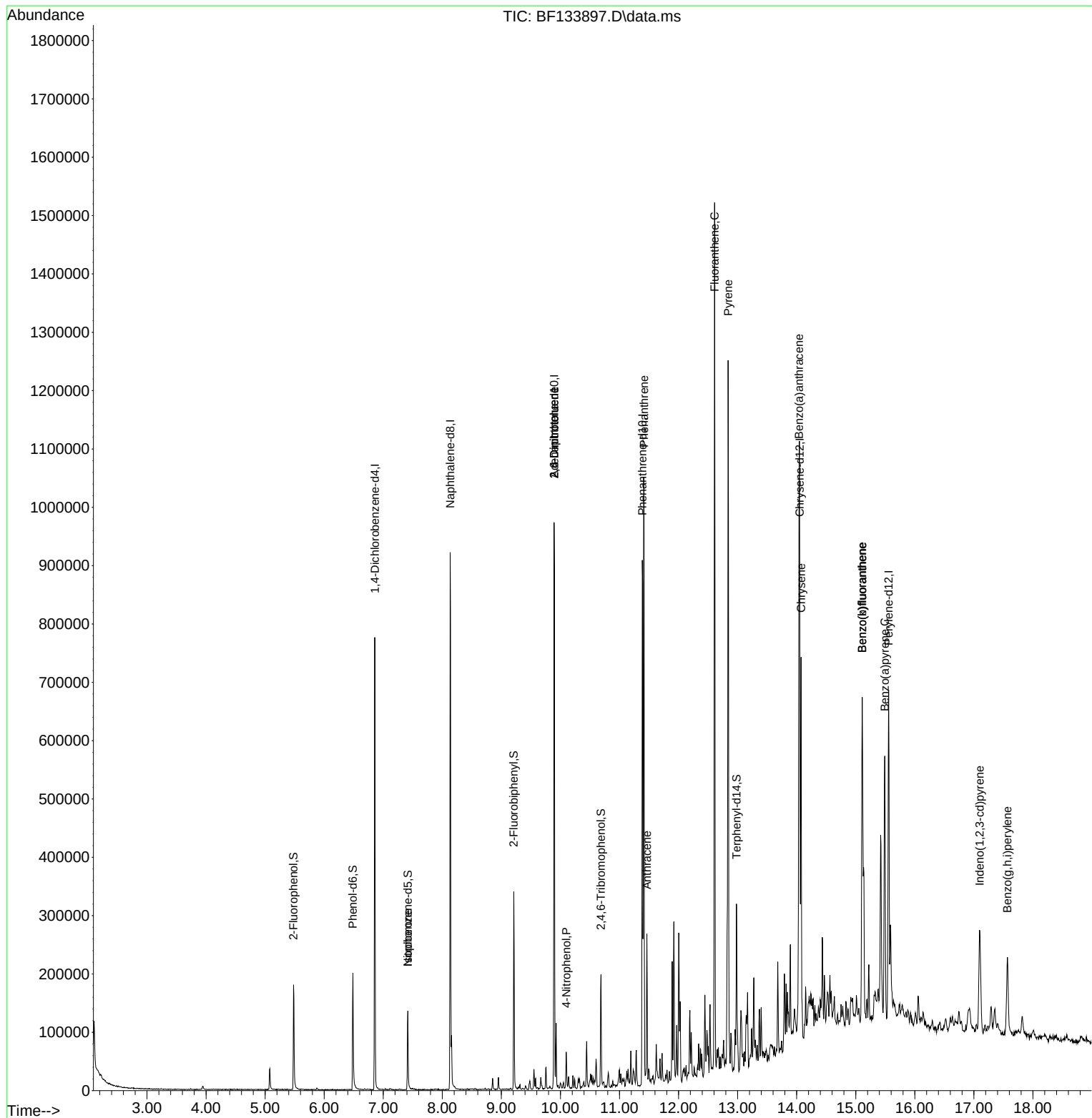
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	102051	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	401290	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	196420	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	353441	20.000	ng	0.00
76) Chrysene-d12	14.051	240	232698	20.000	ng	0.00
86) Perylene-d12	15.557	264	273472	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	51269	8.746	ng	0.00
7) Phenol-d6	6.487	99	66635	8.733	ng	0.00
23) Nitrobenzene-d5	7.416	82	43511	5.906	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	19827	7.974	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	96742	7.001	ng	0.00
79) Terphenyl-d14	12.980	244	86664	5.763	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.416	82	43510	3.217	ng	# 65
51) 2,6-Dinitrotoluene	9.892	165	25718	8.498	ng	# 28
56) 4-Nitrophenol	10.098	139	6857	2.759	ng	# 12
57) 2,4-Dinitrotoluene	9.892	165	25718	6.682	ng	# 19
71) Phenanthrene	11.416	178	396026	22.085	ng	100
72) Anthracene	11.463	178	93948	5.025	ng	99
75) Fluoranthene	12.610	202	562092	29.518	ng	98
78) Pyrene	12.839	202	507338	23.405	ng	99
81) Benzo(a)anthracene	14.039	228	275294	17.103	ng	96
83) Chrysene	14.074	228	252786	16.605	ng	97
87) Indeno(1,2,3-cd)pyrene	17.098	276	129128	6.863	ng	99
88) Benzo(b)fluoranthene	15.110	252	417405	25.126	ng	97
89) Benzo(k)fluoranthene	15.110	252	417405	25.794	ng	97
90) Benzo(a)pyrene	15.492	252	226732	14.706	ng	98
92) Benzo(g,h,i)perylene	17.568	276	110588	7.161	ng	# 95

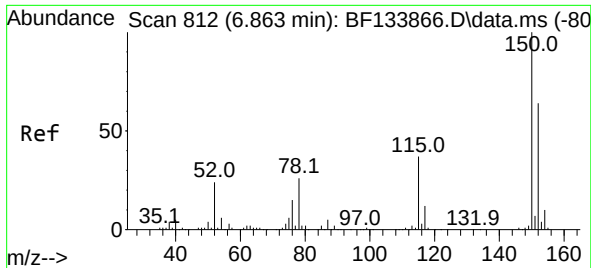
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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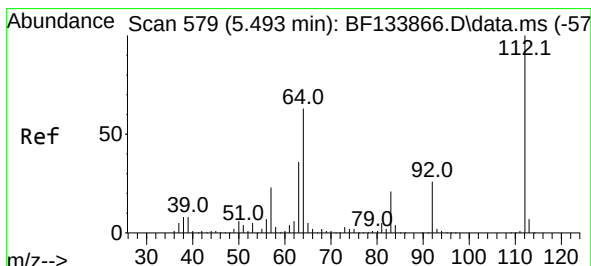
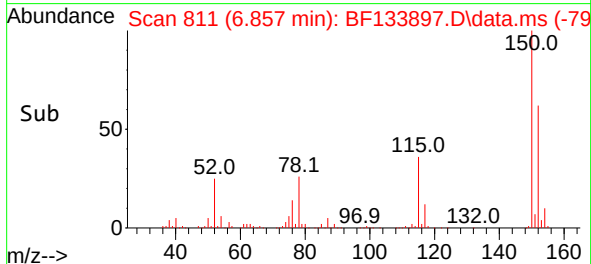
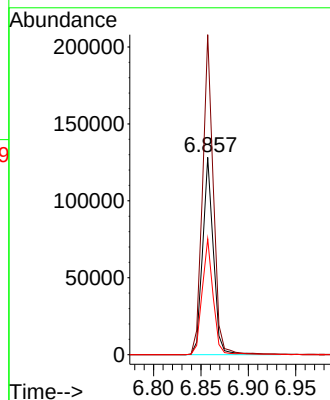
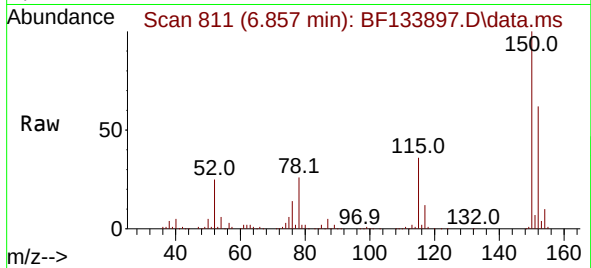




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 812
Delta R.T. 0.000 min
Lab File: BF133897.D
Acq: 22 Jun 2023 12:51

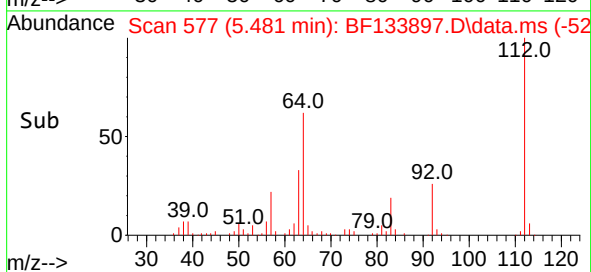
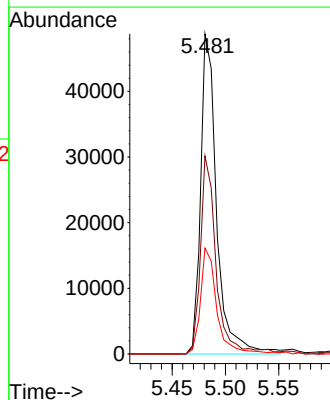
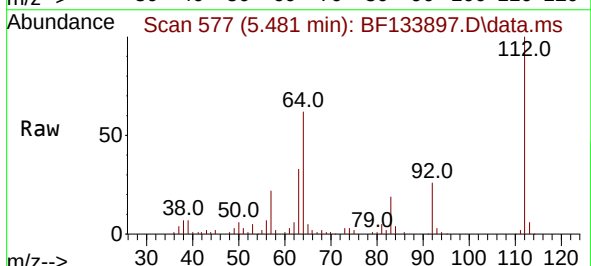
Instrument :
BNA_F
ClientSampleId :
SB-08-0-2.0DL

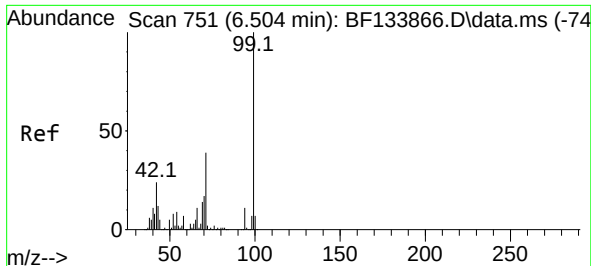
Tgt Ion:152 Resp: 102051
Ion Ratio Lower Upper
152 100
150 162.2 124.3 186.5
115 58.7 48.5 72.7



#5
2-Fluorophenol
Concen: 8.746 ng
RT: 5.481 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF133897.D
Acq: 22 Jun 2023 12:51

Tgt Ion:112 Resp: 51269
Ion Ratio Lower Upper
112 100
64 61.8 49.0 73.4
63 33.1 26.8 40.2

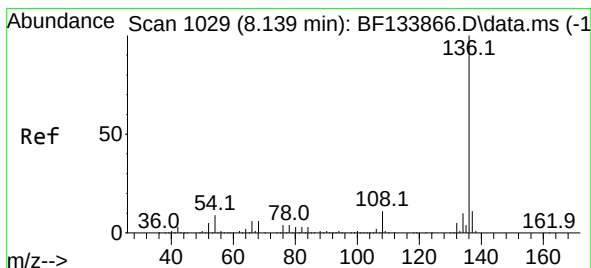
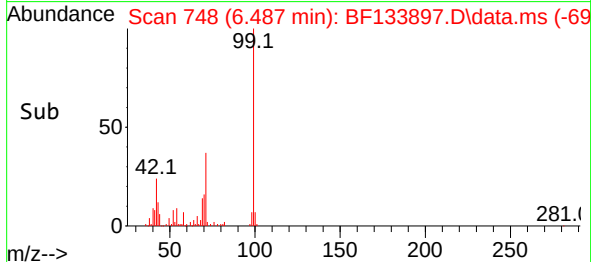
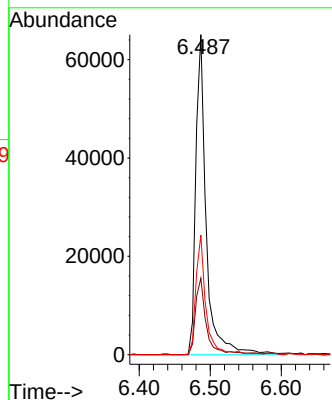
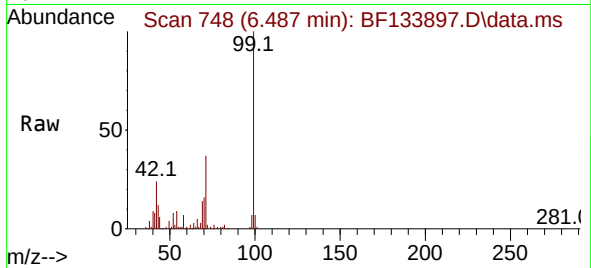




#7
Phenol-d6
Concen: 8.733 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF133897.D
Acq: 22 Jun 2023 12:51

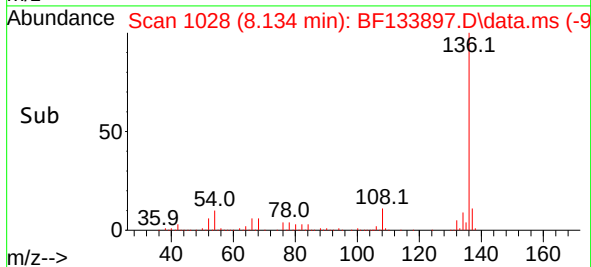
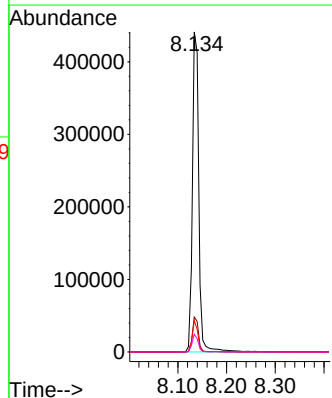
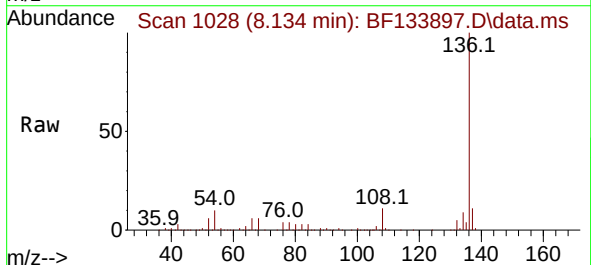
Instrument :
BNA_F
ClientSampleId :
SB-08-0-2.0DL

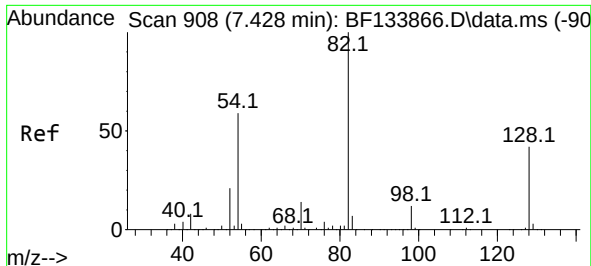
Tgt Ion: 99 Resp: 66635
Ion Ratio Lower Upper
99 100
42 23.9 19.9 29.9
71 37.4 32.2 48.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF133897.D
Acq: 22 Jun 2023 12:51

Tgt Ion: 136 Resp: 401290
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 9.8 7.4 11.0
68 5.6 4.4 6.6





#23

Nitrobenzene-d5

Concen: 5.906 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF133897.D

Acq: 22 Jun 2023 12:51

Instrument :

BNA_F

ClientSampleId :

SB-08-0-2.0DL

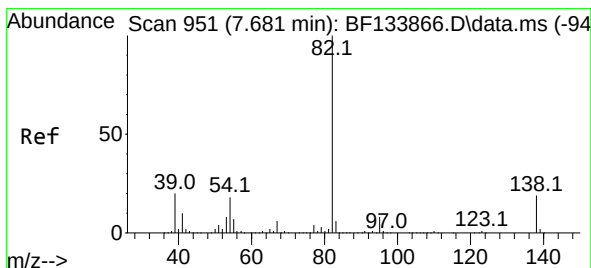
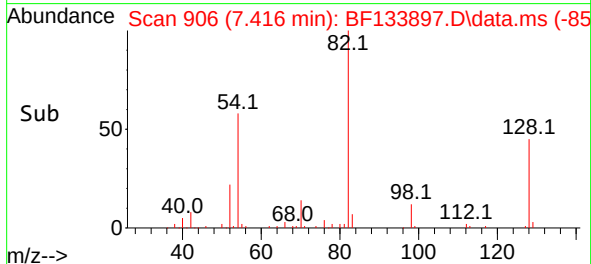
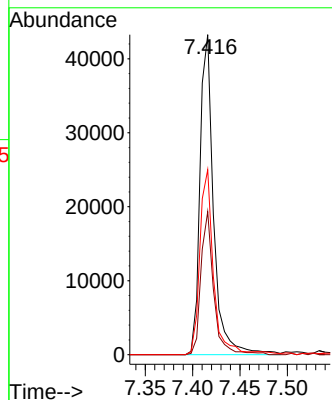
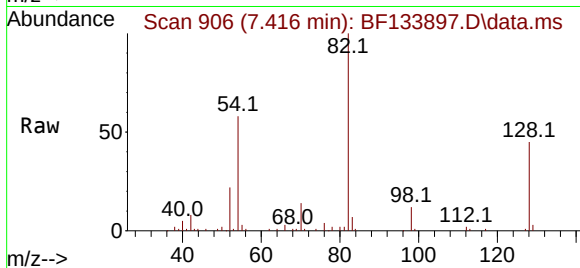
Tgt Ion: 82 Resp: 43511

Ion Ratio Lower Upper

82 100

128 44.7 34.2 51.2

54 57.8 46.5 69.7



#25

Isophorone

Concen: 3.217 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.265 min

Lab File: BF133897.D

Acq: 22 Jun 2023 12:51

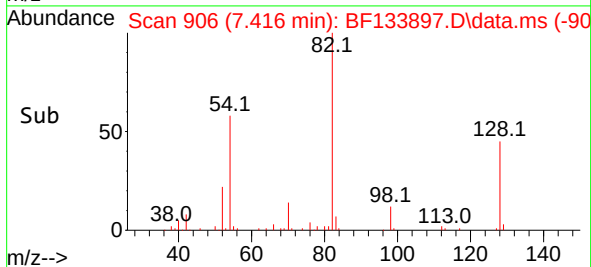
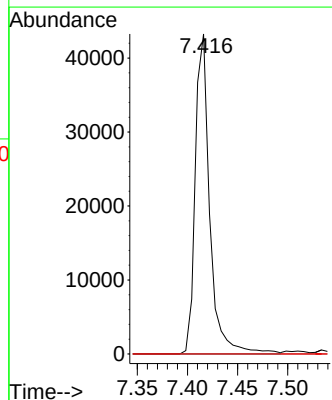
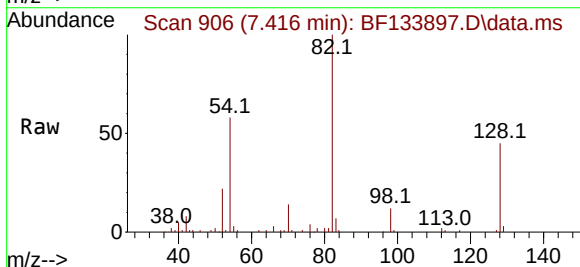
Tgt Ion: 82 Resp: 43510

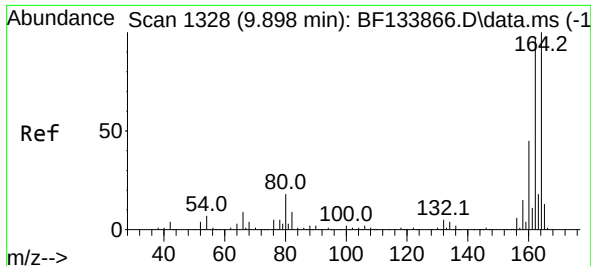
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 14.2 21.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.892 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133897.D

Acq: 22 Jun 2023 12:51

Instrument :

BNA_F

ClientSampleId :

SB-08-0-2.0DL

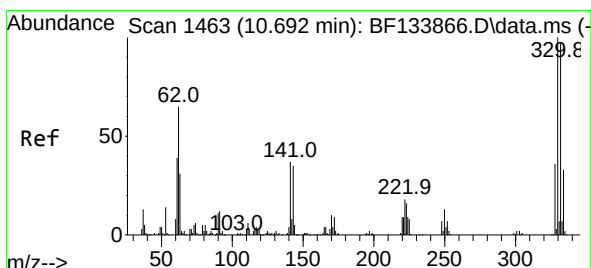
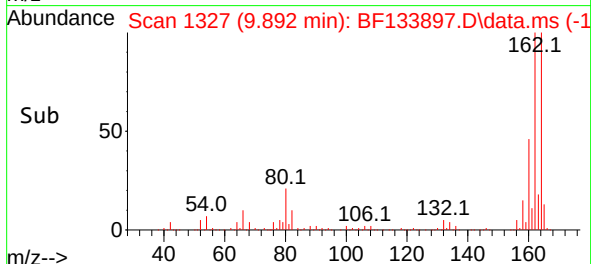
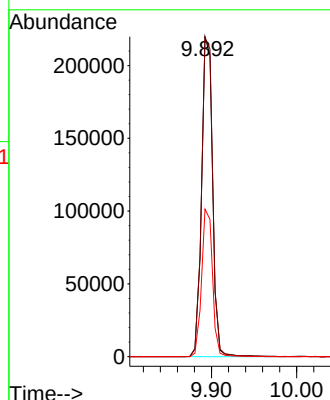
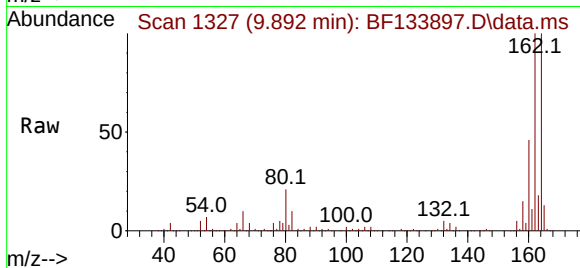
Tgt Ion:164 Resp: 196420

Ion Ratio Lower Upper

164 100

162 99.7 80.8 121.2

160 46.1 36.7 55.1



#42

2,4,6-Tribromophenol

Concen: 7.974 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF133897.D

Acq: 22 Jun 2023 12:51

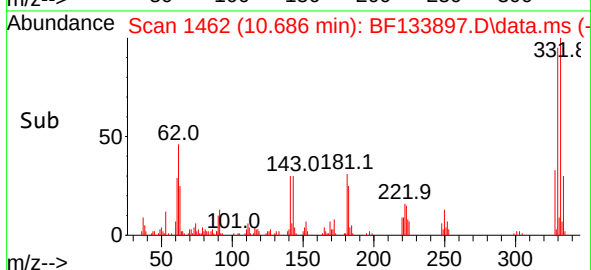
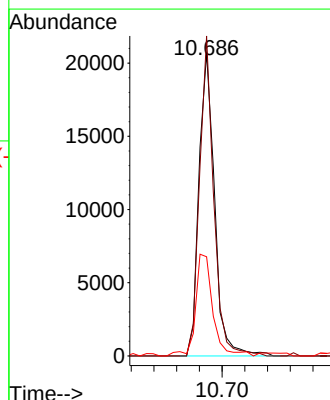
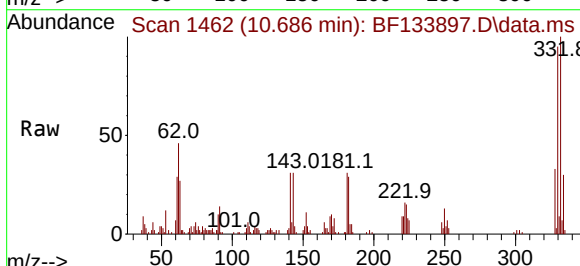
Tgt Ion:330 Resp: 19827

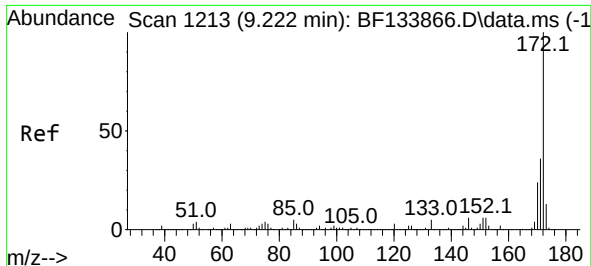
Ion Ratio Lower Upper

330 100

332 96.1 77.2 115.8

141 36.9 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 7.001 ng

RT: 9.210 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133897.D

Acq: 22 Jun 2023 12:51

Instrument :

BNA_F

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SB-08-0-2.0DL

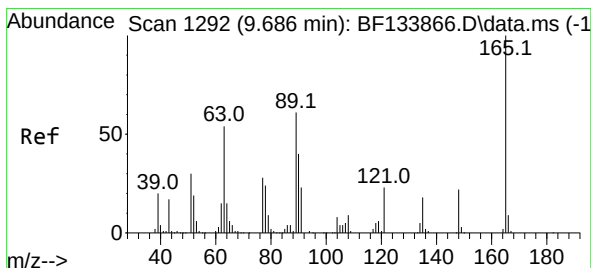
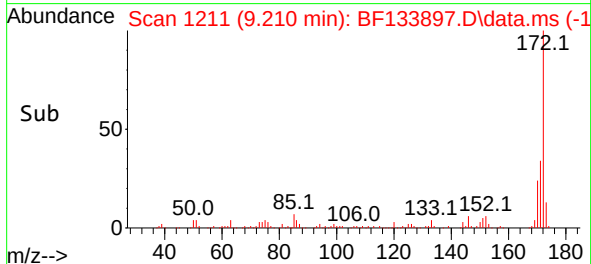
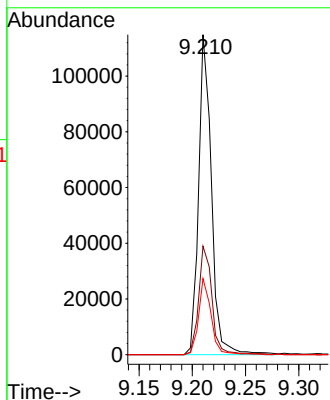
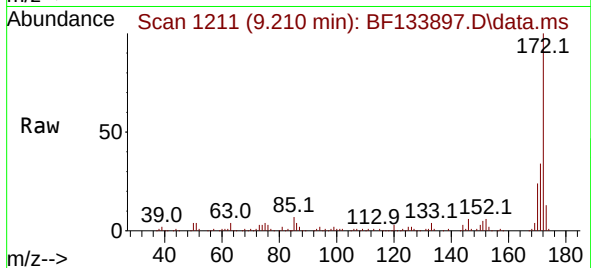
Tgt Ion:172 Resp: 96742

Ion Ratio Lower Upper

172 100

171 33.9 28.6 43.0

170 23.8 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 8.498 ng

RT: 9.892 min Scan# 1327

Delta R.T. 0.212 min

Lab File: BF133897.D

Acq: 22 Jun 2023 12:51

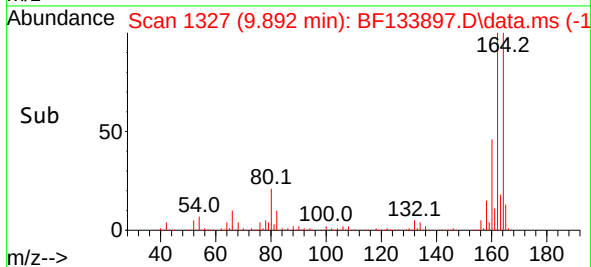
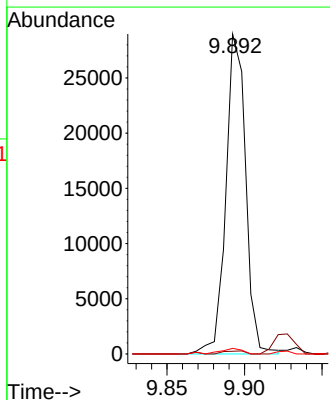
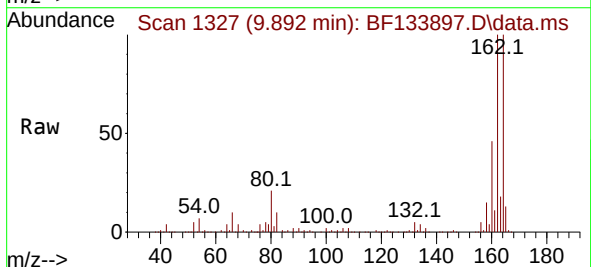
Tgt Ion:165 Resp: 25718

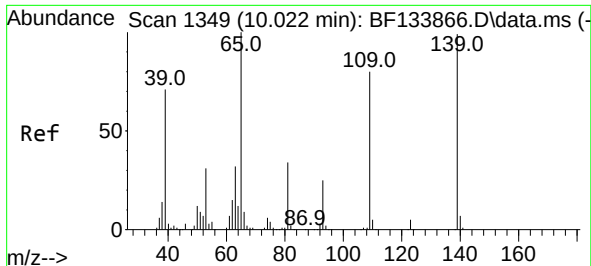
Ion Ratio Lower Upper

165 100

63 0.8 42.1 63.1#

89 1.7 40.9 61.3#

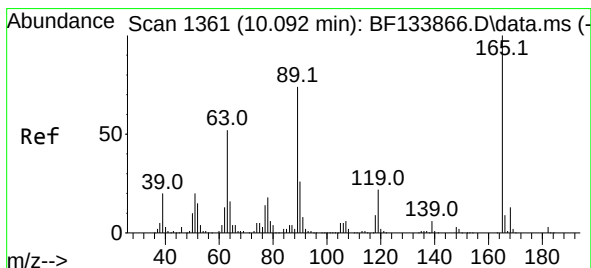
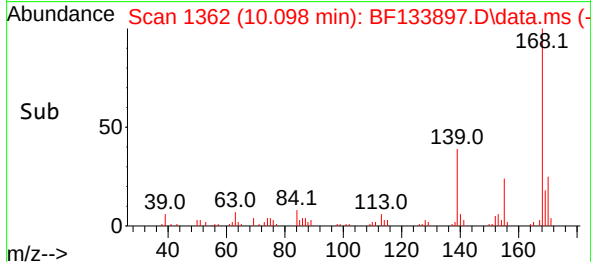
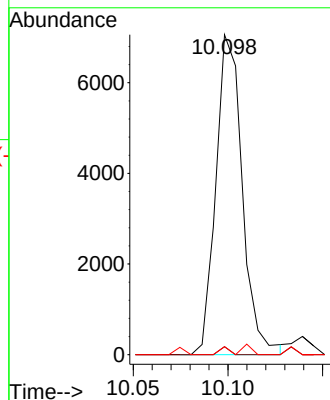
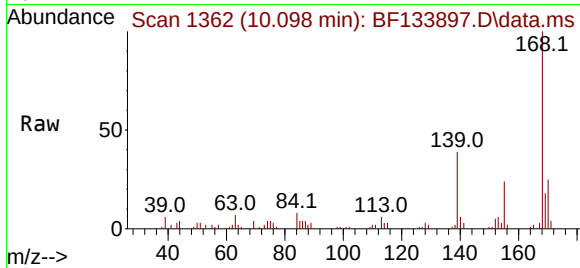




#56
4-Nitrophenol
Concen: 2.759 ng
RT: 10.098 min Scan# 1362
Delta R.T. 0.088 min
Lab File: BF133897.D
Acq: 22 Jun 2023 12:51

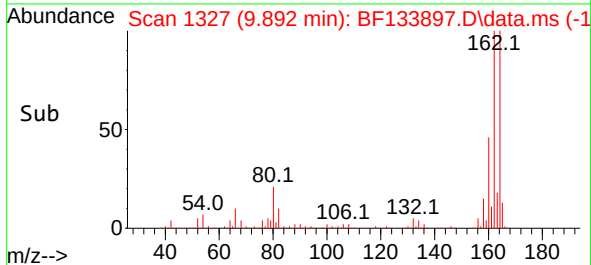
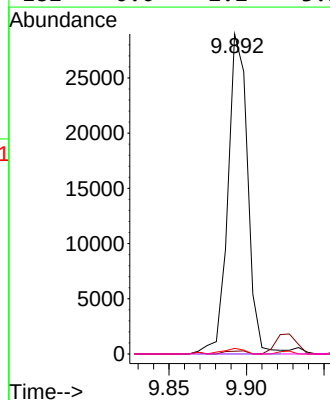
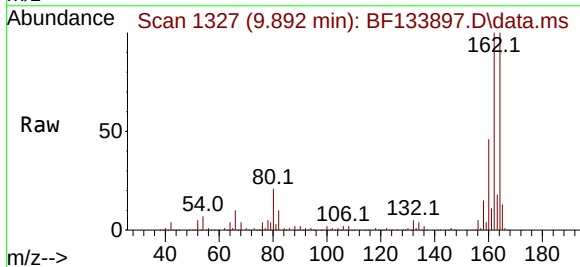
Instrument :
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SB-08-0-2.0DL

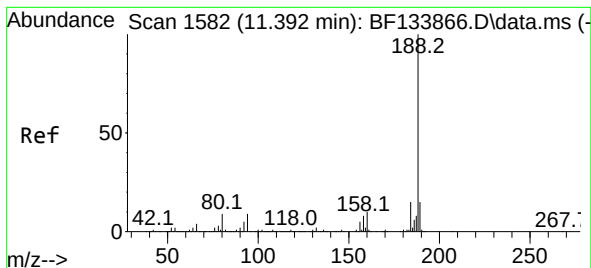
Tgt Ion:139 Resp: 6857
Ion Ratio Lower Upper
139 100
109 2.5 50.7 90.7#
65 2.5 67.1 107.1#



#57
2,4-Dinitrotoluene
Concen: 6.682 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.194 min
Lab File: BF133897.D
Acq: 22 Jun 2023 12:51

Tgt Ion:165 Resp: 25718
Ion Ratio Lower Upper
165 100
63 0.8 43.0 64.6#
89 1.7 62.6 93.8#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133897.D

Acq: 22 Jun 2023 12:51

Instrument :

BNA_F

ClientSampleId :

SB-08-0-2.0DL

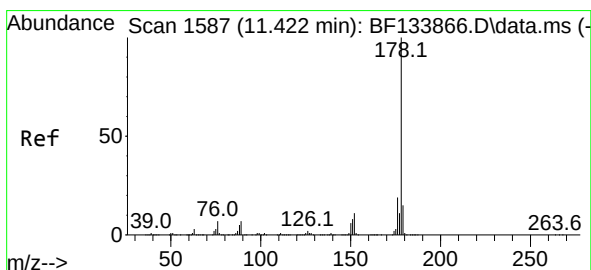
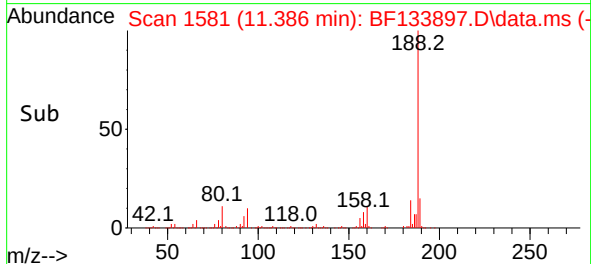
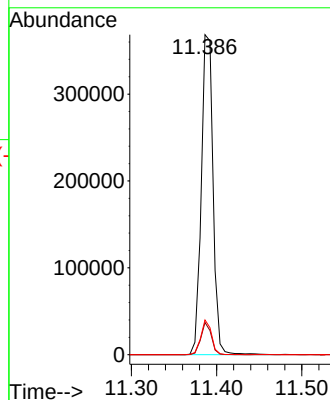
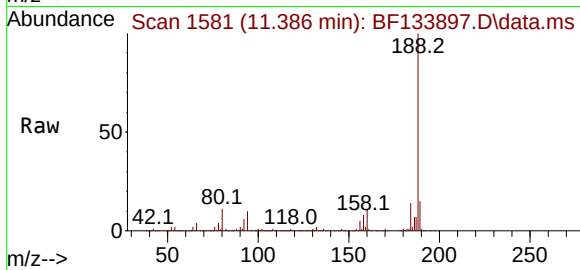
Tgt Ion:188 Resp: 353441

Ion Ratio Lower Upper

188 100

94 10.1 6.8 10.2

80 10.8 7.8 11.6



#71

Phenanthrene

Concen: 22.085 ng

RT: 11.416 min Scan# 1586

Delta R.T. 0.000 min

Lab File: BF133897.D

Acq: 22 Jun 2023 12:51

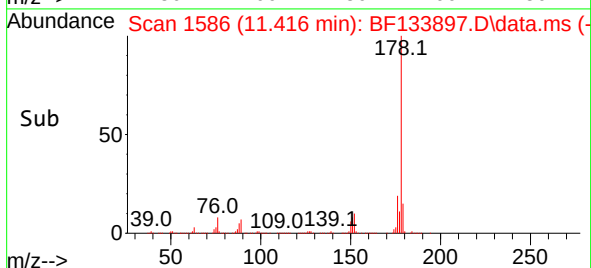
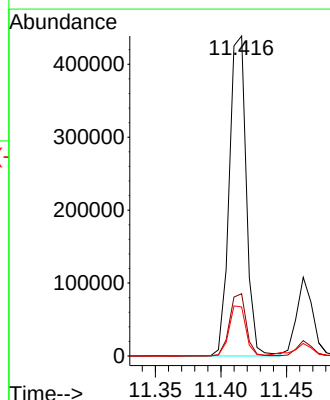
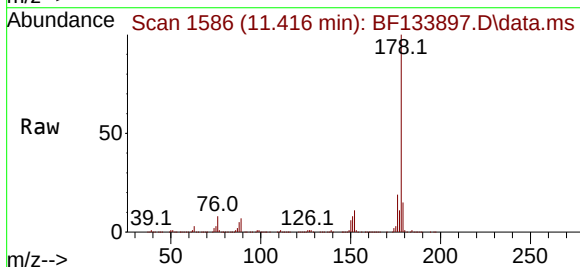
Tgt Ion:178 Resp: 396026

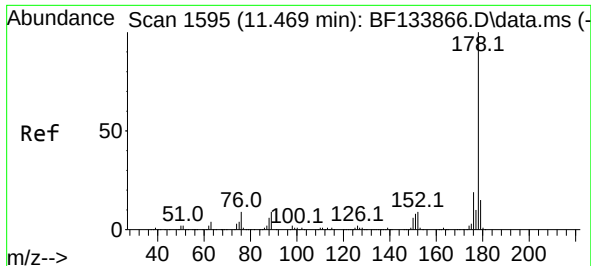
Ion Ratio Lower Upper

178 100

176 19.5 15.6 23.4

179 15.3 12.4 18.6

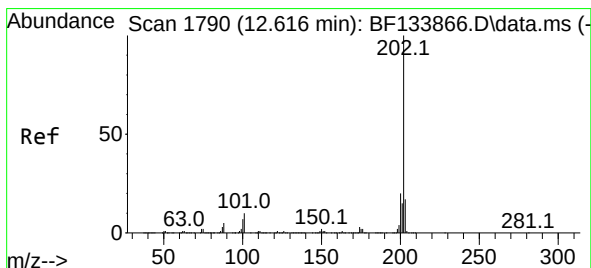
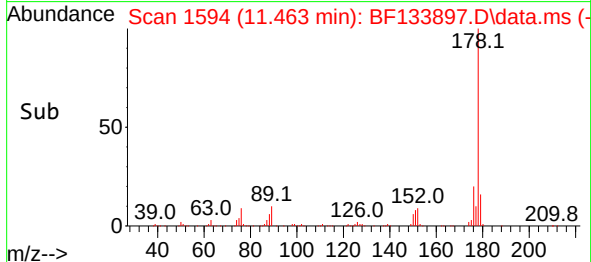
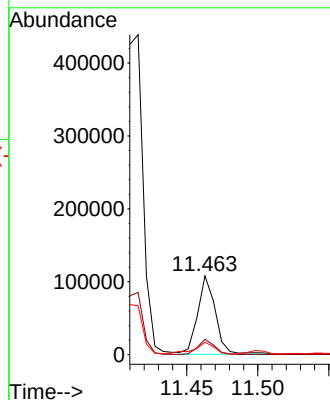
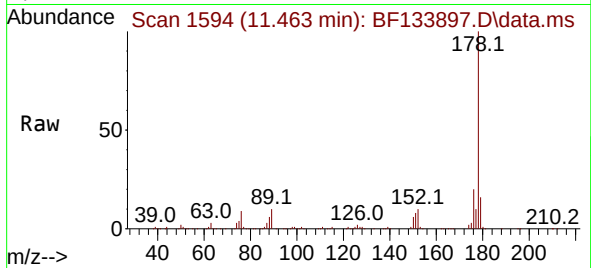




#72
 Anthracene
 Concen: 5.025 ng
 RT: 11.463 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133897.D
 Acq: 22 Jun 2023 12:51

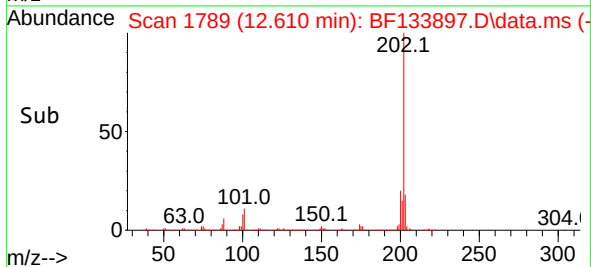
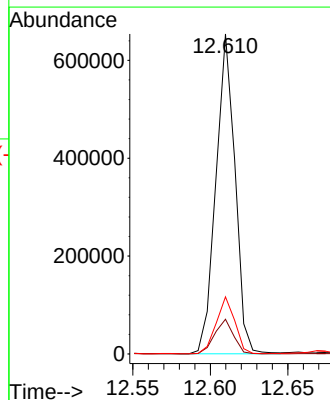
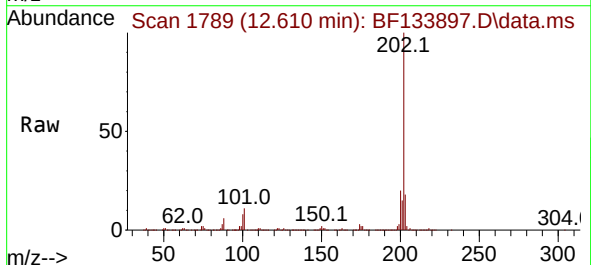
Instrument :
 BNA_F
 ClientSampleId :
 SB-08-0-2.0DL

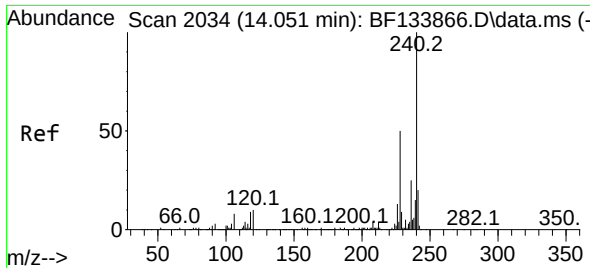
Tgt Ion:178 Resp: 93948
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.1 22.7
 179 15.9 12.6 18.8



#75
 Fluoranthene
 Concen: 29.518 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. 0.000 min
 Lab File: BF133897.D
 Acq: 22 Jun 2023 12:51

Tgt Ion:202 Resp: 562092
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 29.6
 203 17.9 0.0 37.4

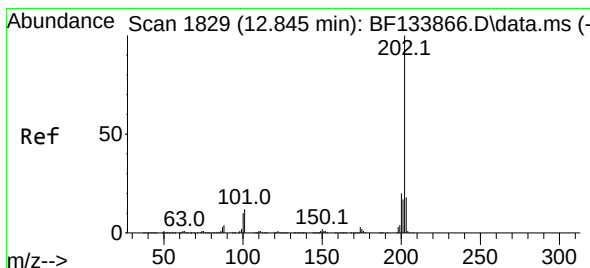
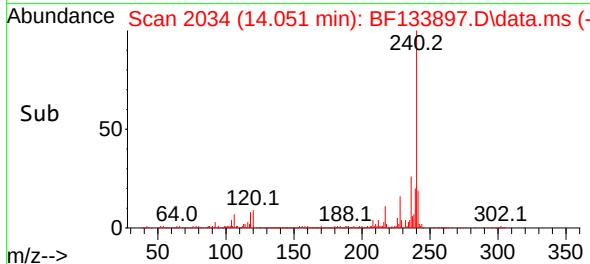
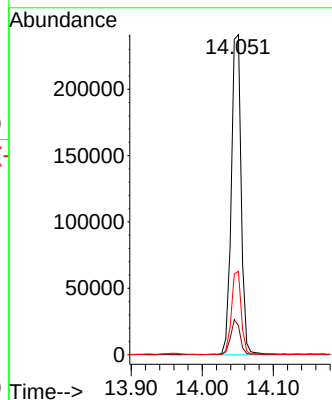
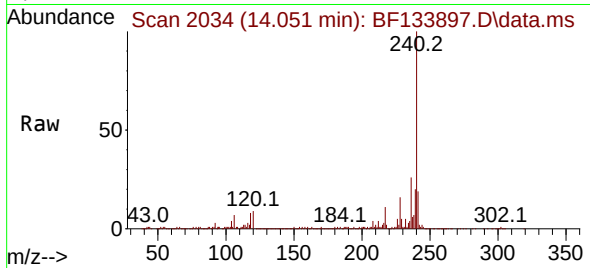




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF133897.D
Acq: 22 Jun 2023 12:51

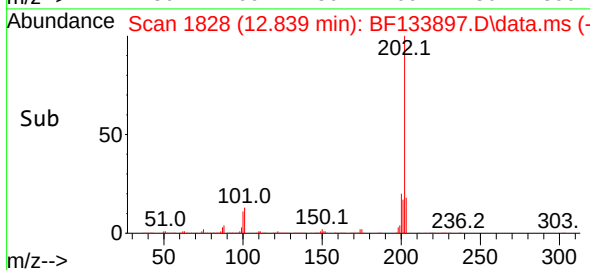
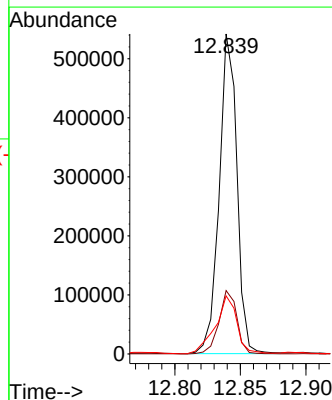
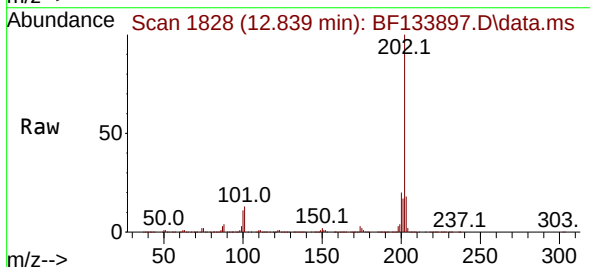
Instrument :
BNA_F
ClientSampleId :
SB-08-0-2.0DL

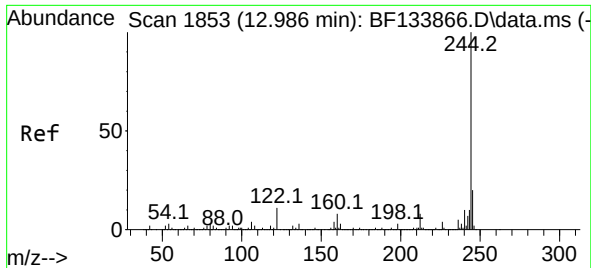
Tgt Ion:240 Resp: 232698
Ion Ratio Lower Upper
240 100
120 9.0 8.1 12.1
236 26.1 20.5 30.7



#78
Pyrene
Concen: 23.405 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF133897.D
Acq: 22 Jun 2023 12:51

Tgt Ion:202 Resp: 507338
Ion Ratio Lower Upper
202 100
200 19.8 16.2 24.2
203 18.1 13.9 20.9

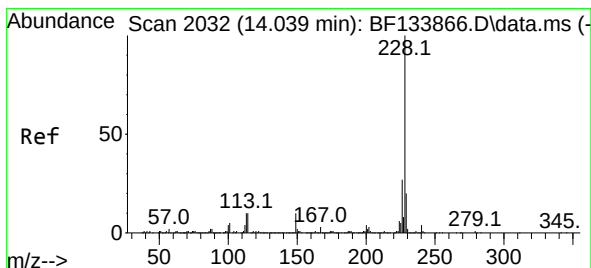
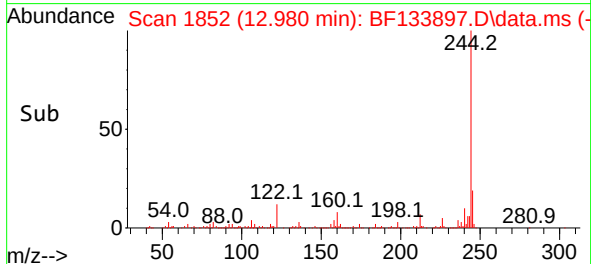
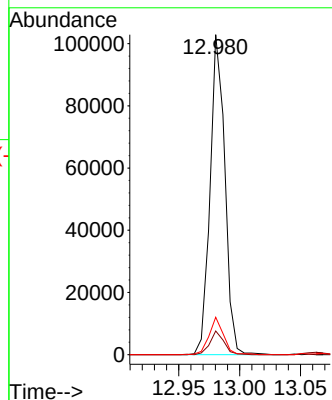
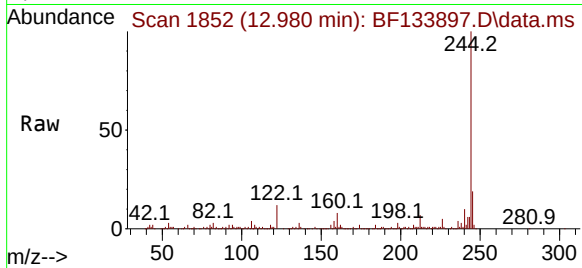




#79
 Terphenyl-d14
 Concen: 5.763 ng
 RT: 12.980 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: BF133897.D
 Acq: 22 Jun 2023 12:51

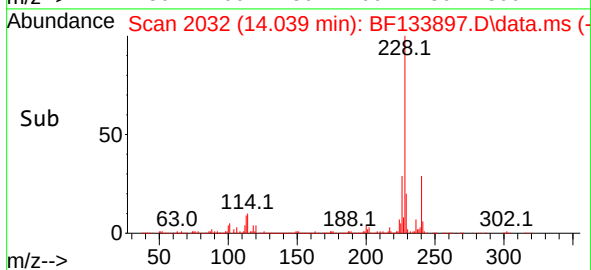
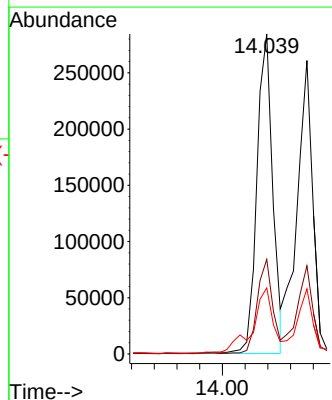
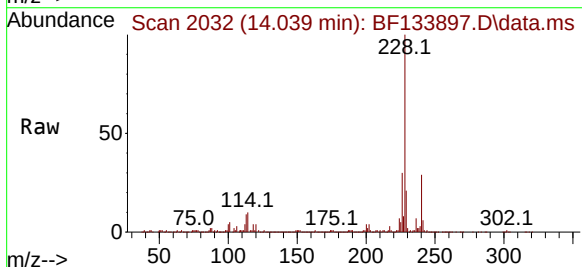
Instrument :
 BNA_F
 ClientSampleId :
 SB-08-0-2.0DL

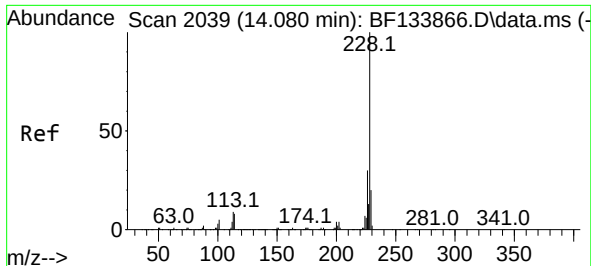
Tgt Ion:244 Resp: 86664
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.4 8.2
 122 11.7 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 17.103 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. 0.006 min
 Lab File: BF133897.D
 Acq: 22 Jun 2023 12:51

Tgt Ion:228 Resp: 275294
 Ion Ratio Lower Upper
 228 100
 226 29.5 21.7 32.5
 229 20.6 15.4 23.2

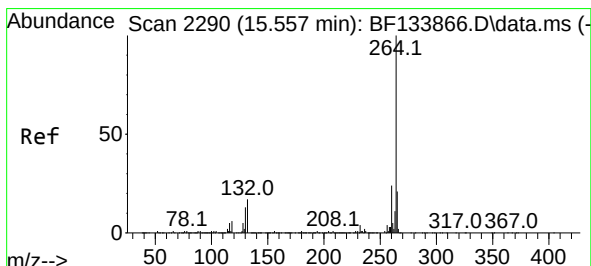
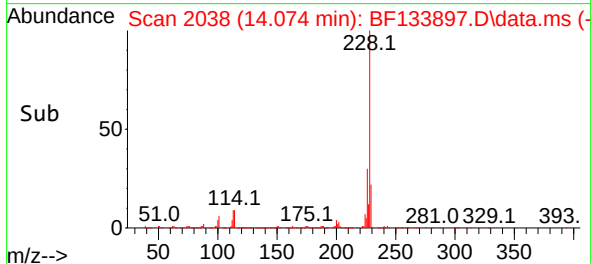
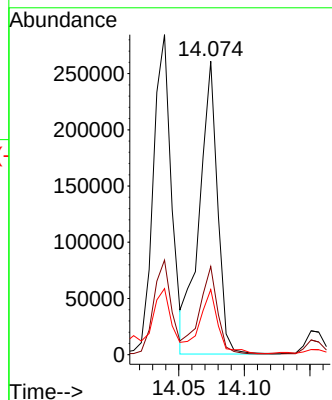
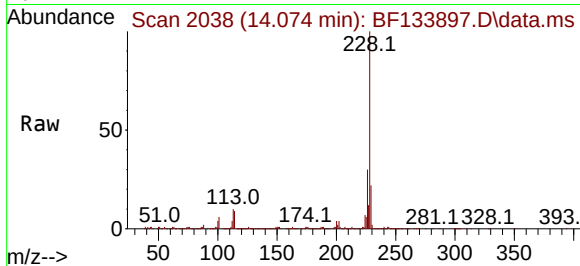




#83
Chrysene
Concen: 16.605 ng
RT: 14.074 min Scan# 2039
Delta R.T. 0.000 min
Lab File: BF133897.D
Acq: 22 Jun 2023 12:51

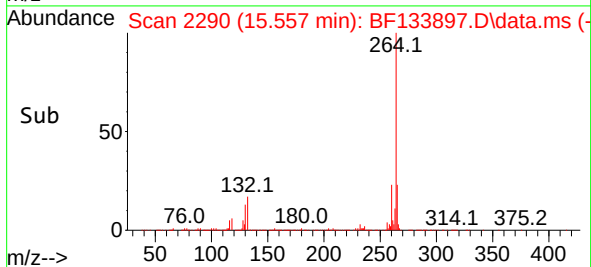
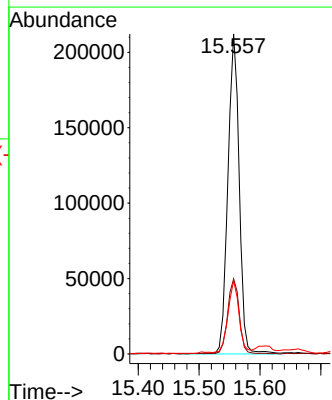
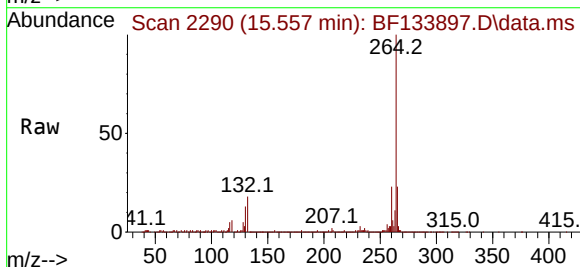
Instrument :
BNA_F
ClientSampleId :
SB-08-0-2.0DL

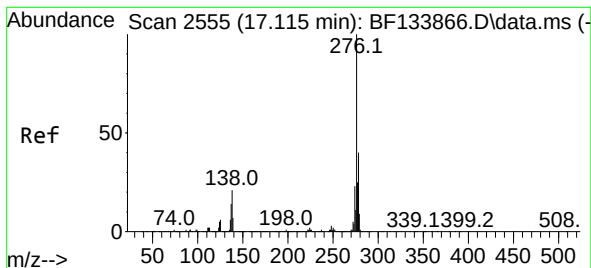
Tgt Ion:228 Resp: 252786
Ion Ratio Lower Upper
228 100
226 30.0 25.0 37.6
229 22.2 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2290
Delta R.T. 0.006 min
Lab File: BF133897.D
Acq: 22 Jun 2023 12:51

Tgt Ion:264 Resp: 273472
Ion Ratio Lower Upper
264 100
260 23.5 18.2 27.2
265 22.9 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.863 ng

RT: 17.098 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133897.D

Acq: 22 Jun 2023 12:51

Instrument :

BNA_F

ClientSampleId :

SB-08-0-2.0DL

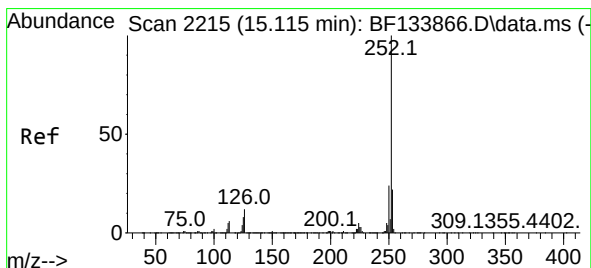
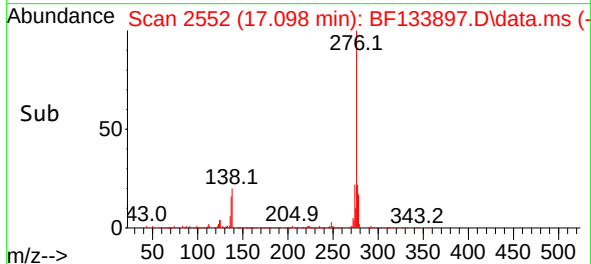
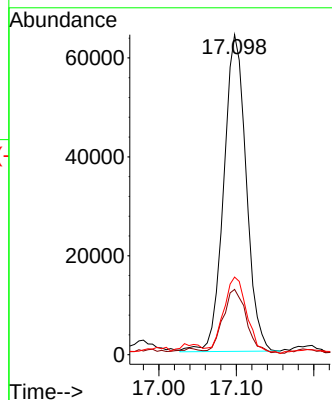
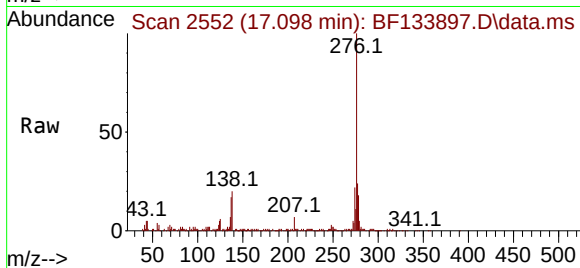
Tgt Ion:276 Resp: 129128

Ion Ratio Lower Upper

276 100

138 21.2 17.9 26.9

277 25.4 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 25.126 ng

RT: 15.110 min Scan# 2214

Delta R.T. 0.006 min

Lab File: BF133897.D

Acq: 22 Jun 2023 12:51

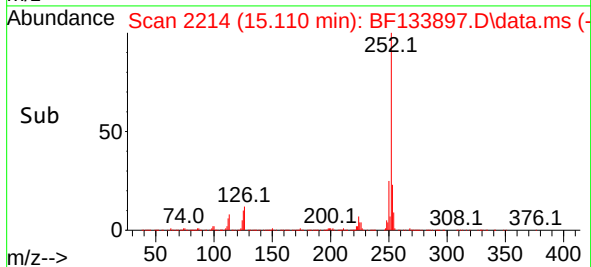
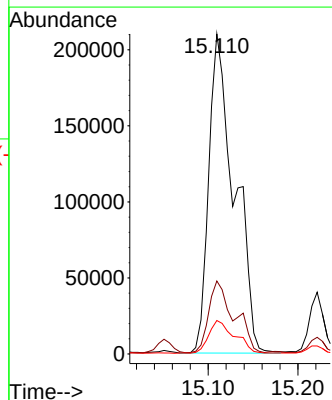
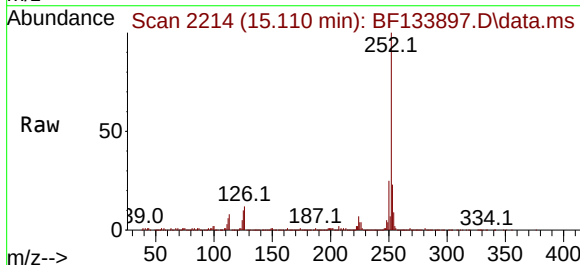
Tgt Ion:252 Resp: 417405

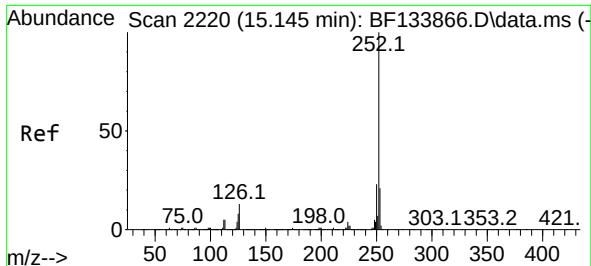
Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.6

125 10.4 7.3 10.9

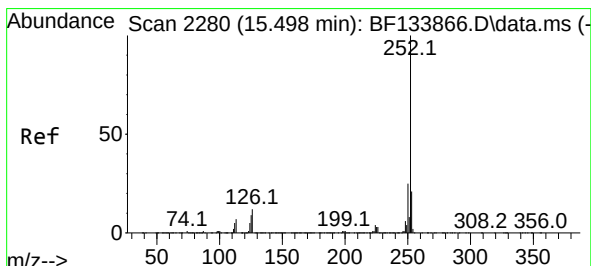
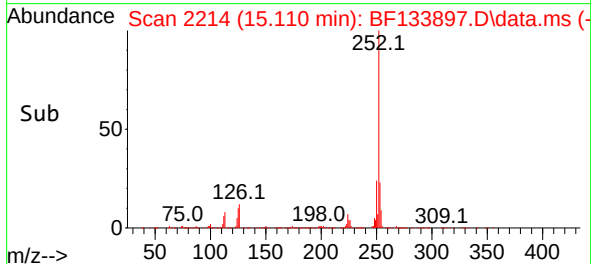
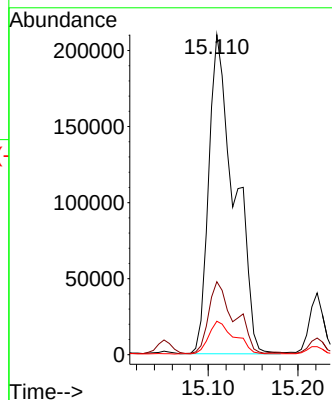
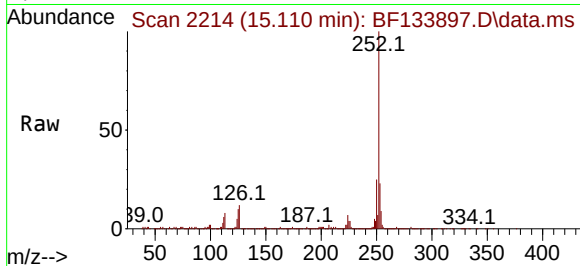




#89
Benzo(k)fluoranthene
Concen: 25.794 ng
RT: 15.110 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF133897.D
Acq: 22 Jun 2023 12:51

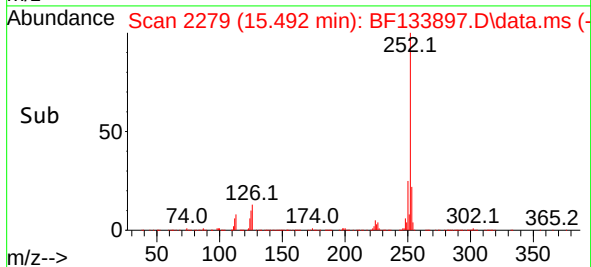
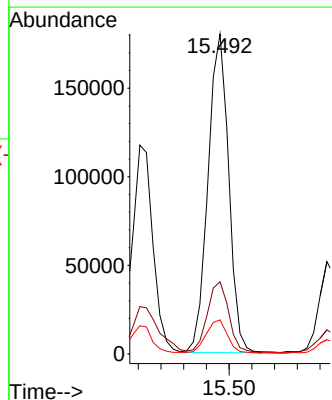
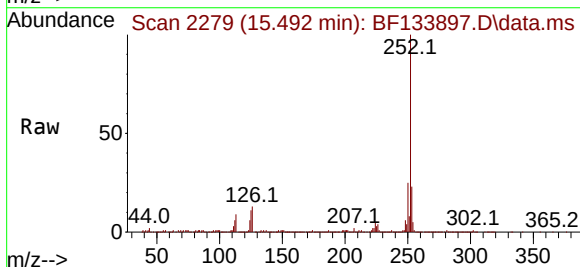
Instrument :
BNA_F
ClientSampleId :
SB-08-0-2.0DL

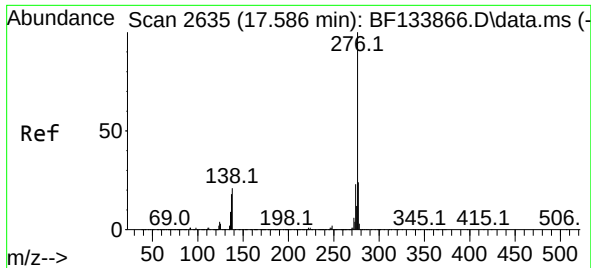
Tgt Ion:252 Resp: 417405
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.4
125 10.4 7.8 11.6



#90
Benzo(a)pyrene
Concen: 14.706 ng
RT: 15.492 min Scan# 2279
Delta R.T. 0.006 min
Lab File: BF133897.D
Acq: 22 Jun 2023 12:51

Tgt Ion:252 Resp: 226732
Ion Ratio Lower Upper
252 100
253 22.6 17.1 25.7
125 10.6 8.6 13.0





#92
 Benzo(g,h,i)perylene
 Concen: 7.161 ng
 RT: 17.568 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF133897.D
 Acq: 22 Jun 2023 12:51

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-0-2.0DL

Tgt Ion:276 Resp: 110588
 Ion Ratio Lower Upper
 276 100
 277 24.6 19.8 29.8
 138 23.8 15.0 22.4#

