

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050923\
 Data File : BF133320.D
 Acq On : 09 May 2023 16:39
 Operator : CG\JU
 Sample : 02680-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-050823

Quant Time: May 10 01:48:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 09 04:59:36 2023
 Response via : Initial Calibration

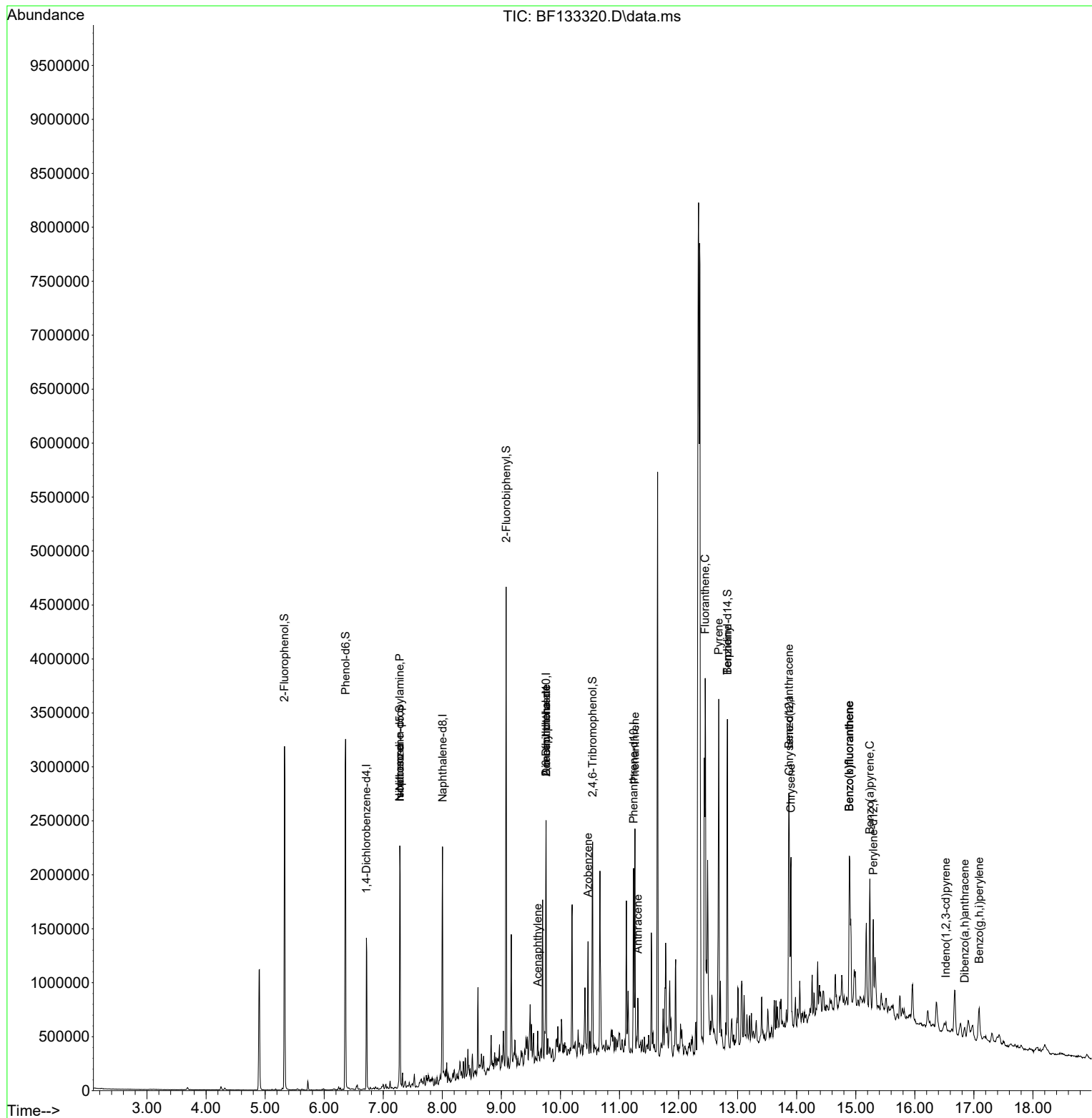
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.716	152	200215	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	794964	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	401280	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	601285	20.000	ng	# 0.00
76) Chrysene-d12	13.874	240	372351	20.000	ng	0.00
86) Perylene-d12	15.298	264	350372	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	926671	69.917	ng	0.00
7) Phenol-d6	6.363	99	1133160	68.881	ng	0.00
23) Nitrobenzene-d5	7.281	82	682926	46.370	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	229943	56.978	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	1243203	51.831	ng	0.00
79) Terphenyl-d14	12.827	244	1008994	46.735	ng	0.00
Target Compounds						
9) Benzaldehyde	6.275	77	1172	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propyla...	7.281	70	91373	8.922	ng	# 76
25) Isophorone	7.281	82	679972	24.317	ng	# 63
49) Acenaphthylene	9.616	152	90491	2.432	ng	99
50) Dimethylphthalate	9.757	163	83219	2.974	ng	# 1
51) 2,6-Dinitrotoluene	9.757	165	57320	9.102	ng	# 25
63) Azobenzene	10.469	77	143336	5.120	ng	# 1
71) Phenanthrene	11.263	178	683481	21.149	ng	100
72) Anthracene	11.310	178	161927	4.896	ng	99
75) Fluoranthene	12.451	202	1388756	42.818	ng	99
77) Benzidine	12.827	184	13329	2.117	ng	96
78) Pyrene	12.680	202	1292957	40.507	ng	99
81) Benzo(a)anthracene	13.868	228	696019	27.182	ng	95
83) Chrysene	13.904	228	654720	25.576	ng	98
87) Indeno(1,2,3-cd)pyrene	16.527	276	48122	2.415	ng	96
88) Benzo(b)fluoranthene	14.892	252	1034708	46.420	ng	# 97
89) Benzo(k)fluoranthene	14.892	252	1034708	46.828	ng	97
90) Benzo(a)pyrene	15.239	252	532032	26.223	ng	98
91) Dibenzo(a,h)anthracene	16.845	278	52877	3.181	ng	95
92) Benzo(g,h,i)perylene	17.092	276	232834	14.188	ng	97

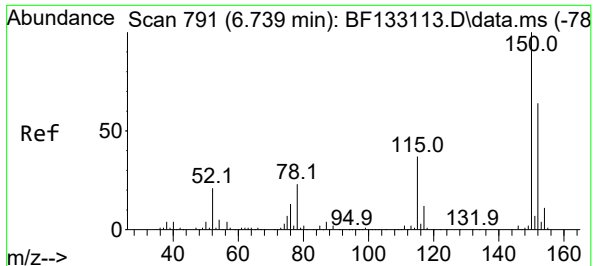
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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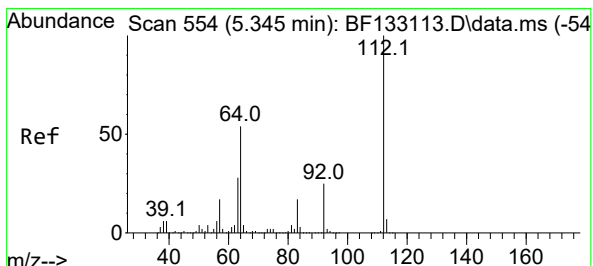
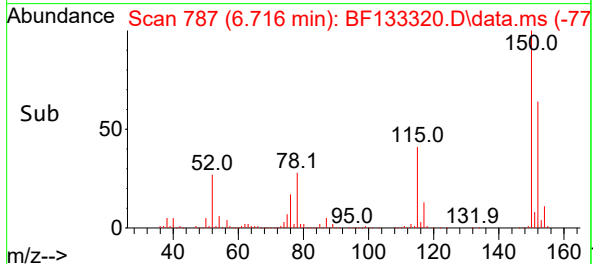
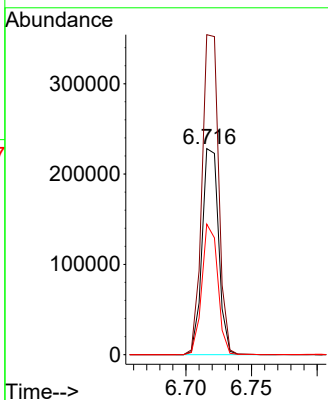
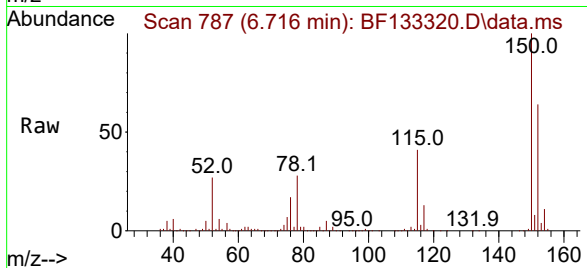




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.716 min Scan# 791
 Delta R.T. -0.006 min
 Lab File: BF133320.D
 Acq: 09 May 2023 16:39

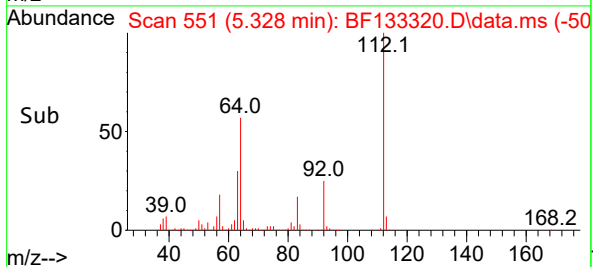
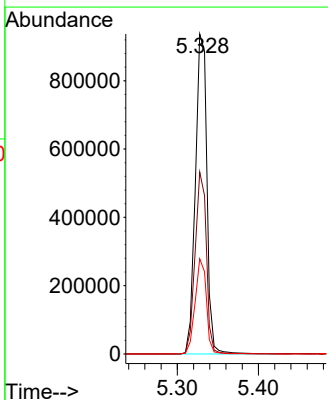
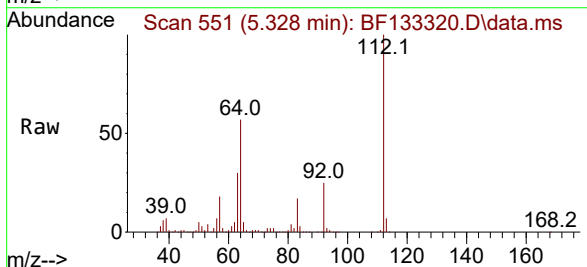
Instrument :
 BNA_F
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 SU-02-050823

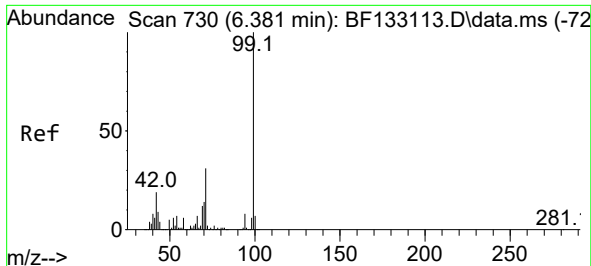
Tgt Ion:152 Resp: 200215
 Ion Ratio Lower Upper
 152 100
 150 155.3 124.8 187.2
 115 63.4 49.9 74.9



#5
 2-Fluorophenol
 Concen: 69.917 ng
 RT: 5.328 min Scan# 551
 Delta R.T. -0.000 min
 Lab File: BF133320.D
 Acq: 09 May 2023 16:39

Tgt Ion:112 Resp: 926671
 Ion Ratio Lower Upper
 112 100
 64 56.8 46.8 70.2
 63 29.7 23.8 35.8

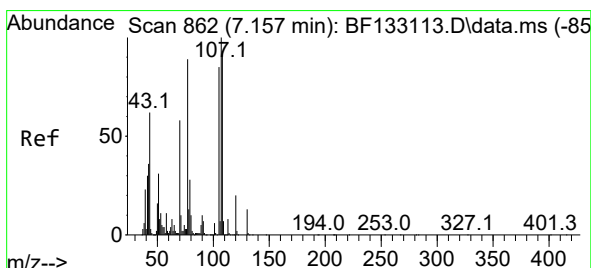
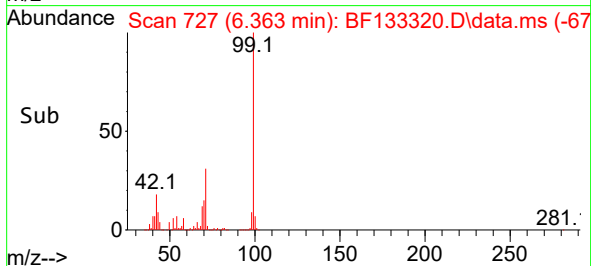
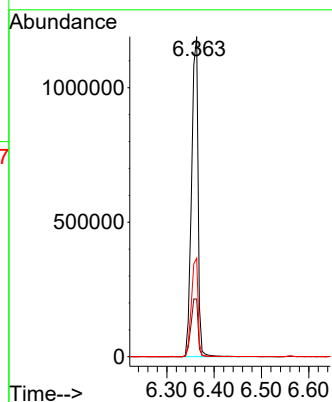
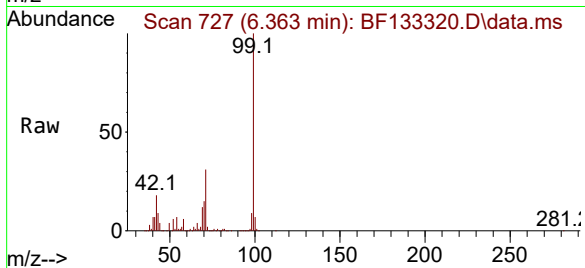




#7
Phenol-d6
Concen: 68.881 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133320.D
Acq: 09 May 2023 16:39

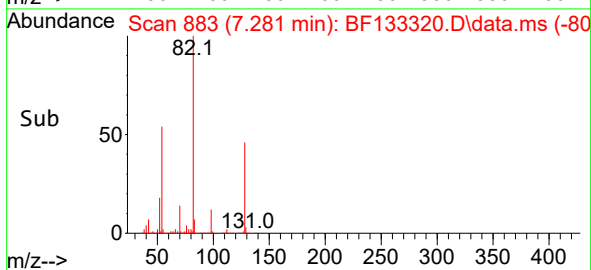
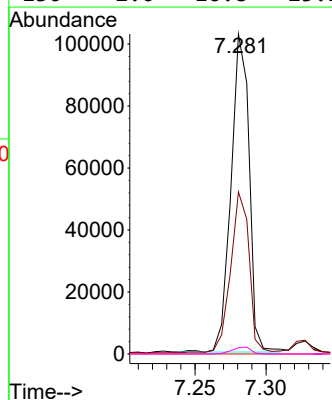
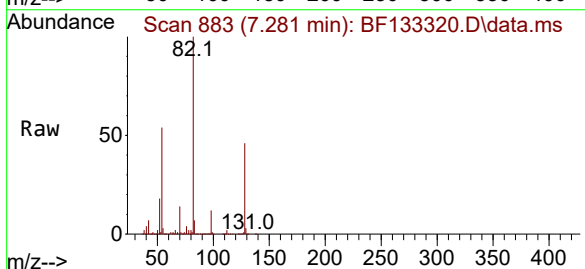
Instrument :
BNA_F
ClientSampleId :
SU-02-050823

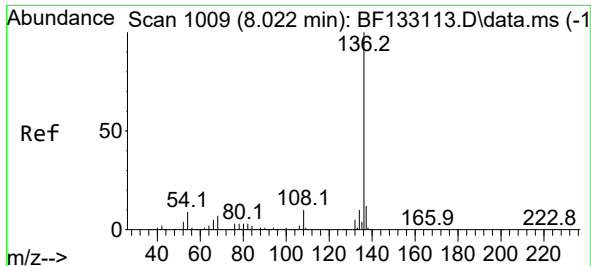
Tgt Ion: 99 Resp: 1133160
Ion Ratio Lower Upper
99 100
42 18.0 16.3 24.5
71 30.8 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 8.922 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.135 min
Lab File: BF133320.D
Acq: 09 May 2023 16:39

Tgt Ion: 70 Resp: 91373
Ion Ratio Lower Upper
70 100
42 50.6 51.8 77.6#
101 0.0 8.0 12.0#
130 2.0 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.004 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF133320.D

Acq: 09 May 2023 16:39

Instrument :

BNA_F

ClientSampleId :

SU-02-050823

Tgt Ion:136 Resp: 794964

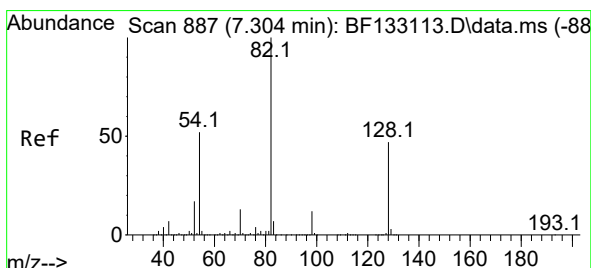
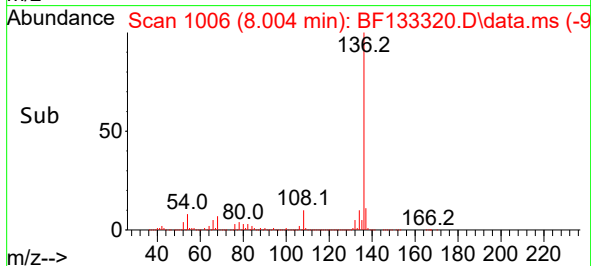
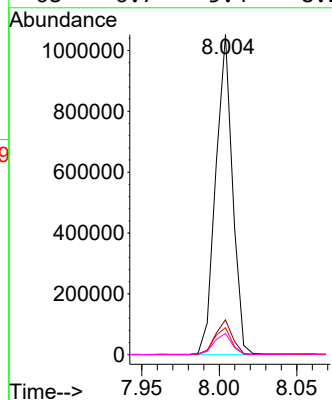
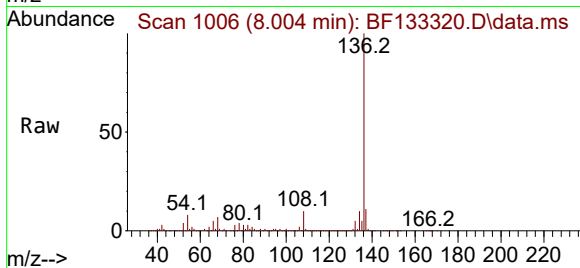
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 8.5 7.0 10.4

68 6.7 5.4 8.2



#23

Nitrobenzene-d5

Concen: 46.370 ng

RT: 7.281 min Scan# 883

Delta R.T. -0.012 min

Lab File: BF133320.D

Acq: 09 May 2023 16:39

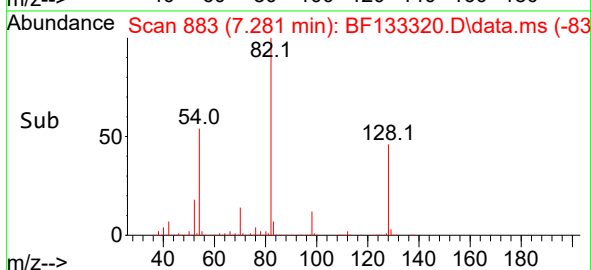
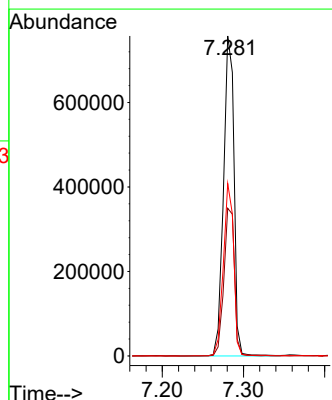
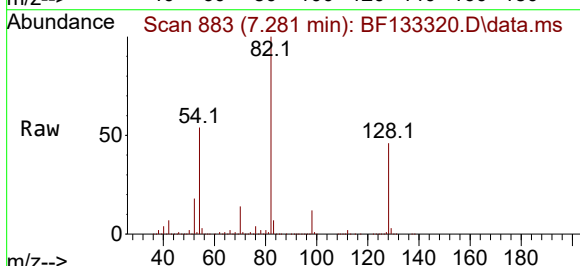
Tgt Ion: 82 Resp: 682926

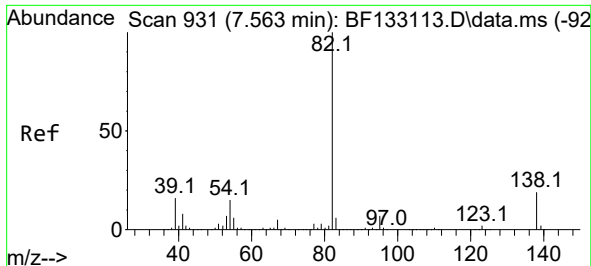
Ion Ratio Lower Upper

82 100

128 46.2 37.7 56.5

54 53.9 43.0 64.4

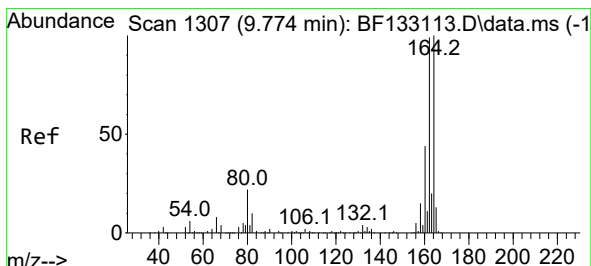
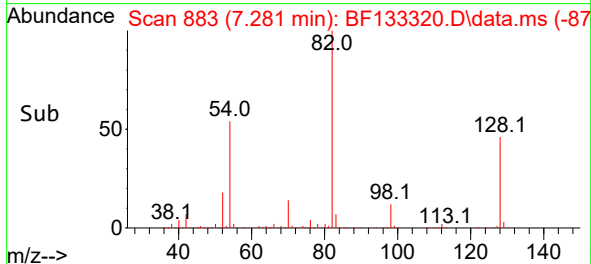
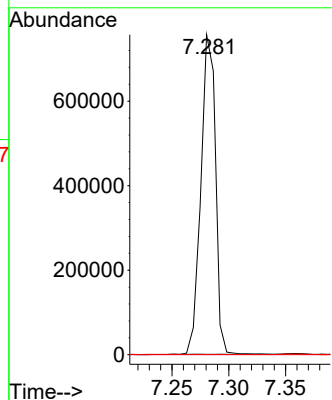
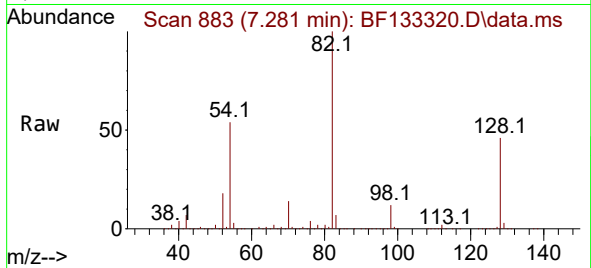




#25
Isophorone
Concen: 24.317 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF133320.D
Acq: 09 May 2023 16:39

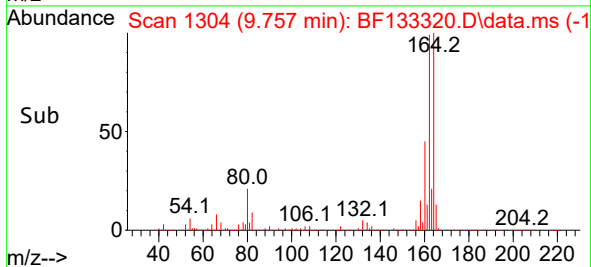
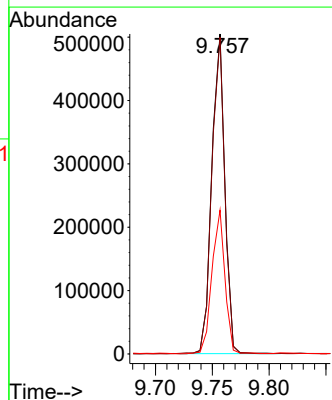
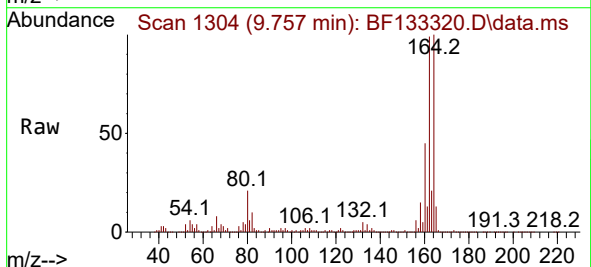
Instrument :
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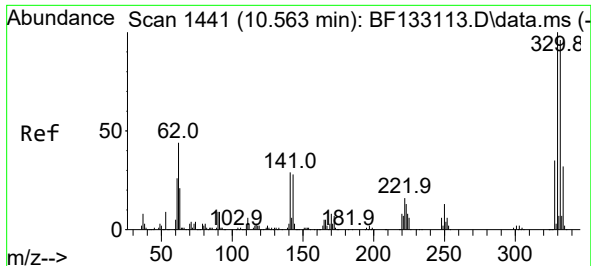
Tgt Ion: 82 Resp: 679972
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF133320.D
Acq: 09 May 2023 16:39

Tgt Ion:164 Resp: 401280
Ion Ratio Lower Upper
164 100
162 99.0 78.7 118.1
160 44.9 35.8 53.6

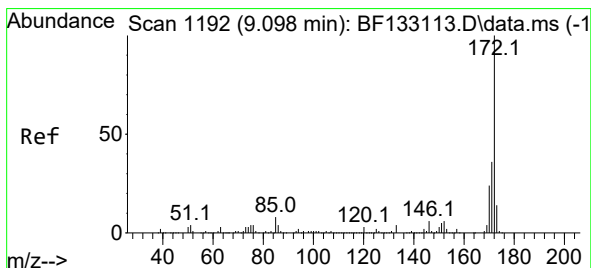
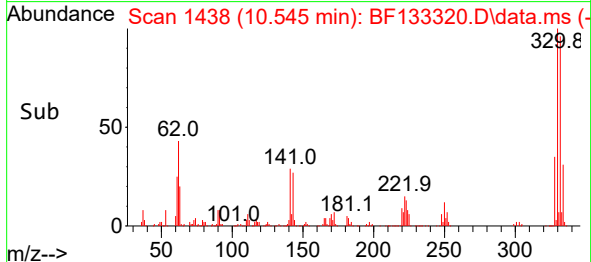
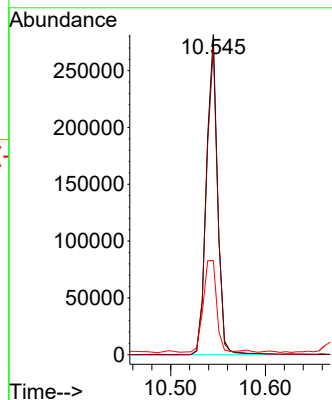
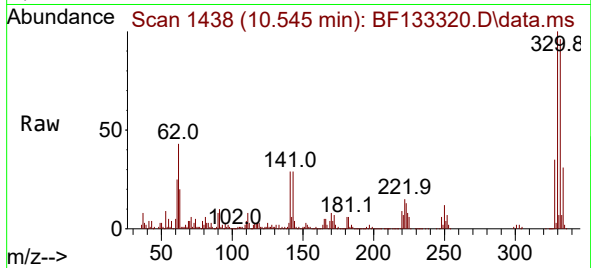




#42
2,4,6-Tribromophenol
Concen: 56.978 ng
RT: 10.545 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133320.D
Acq: 09 May 2023 16:39

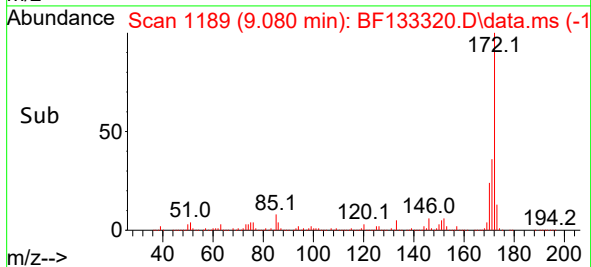
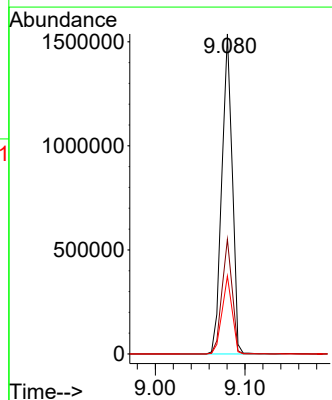
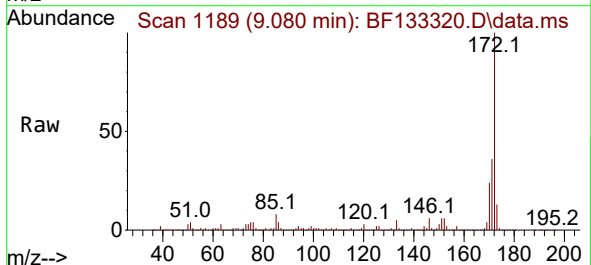
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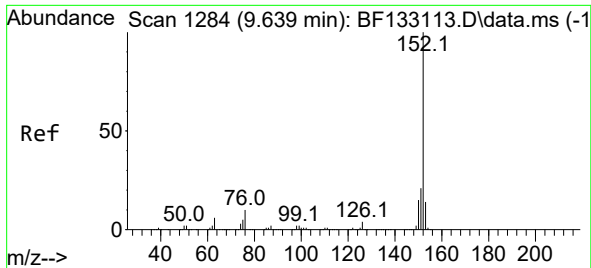
Tgt Ion: 330 Resp: 229943
Ion Ratio Lower Upper
330 100
332 97.0 77.1 115.7
141 34.2 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 51.831 ng
RT: 9.080 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF133320.D
Acq: 09 May 2023 16:39

Tgt Ion: 172 Resp: 1243203
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 24.3 19.4 29.2





#49

Acenaphthylene

Concen: 2.432 ng

RT: 9.616 min Scan# 1304

Delta R.T. -0.006 min

Lab File: BF133320.D

Acq: 09 May 2023 16:39

Instrument :

BNA_F

ClientSampleId :

SU-02-050823

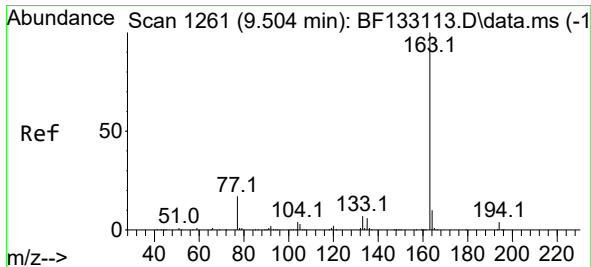
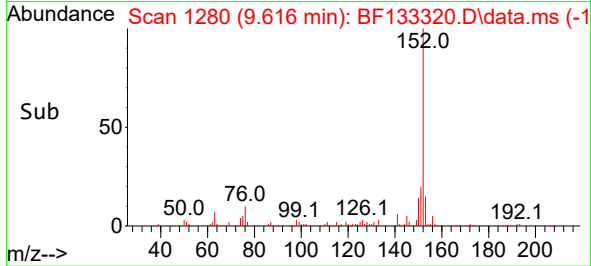
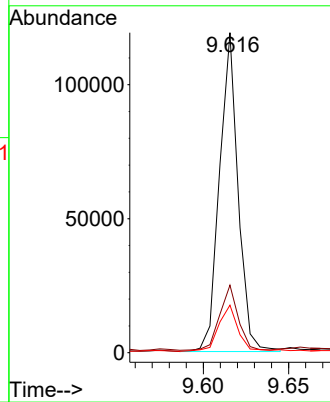
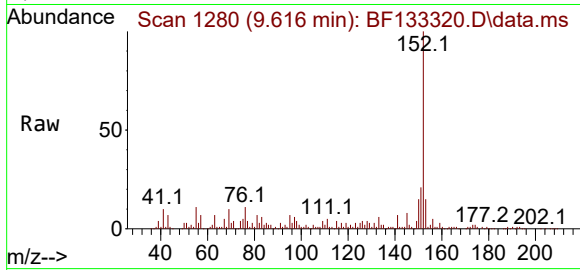
Tgt Ion:152 Resp: 90491

Ion Ratio Lower Upper

152 100

151 21.1 16.6 24.8

153 14.8 11.5 17.3



#50

Dimethylphthalate

Concen: 2.974 ng

RT: 9.757 min Scan# 1304

Delta R.T. 0.265 min

Lab File: BF133320.D

Acq: 09 May 2023 16:39

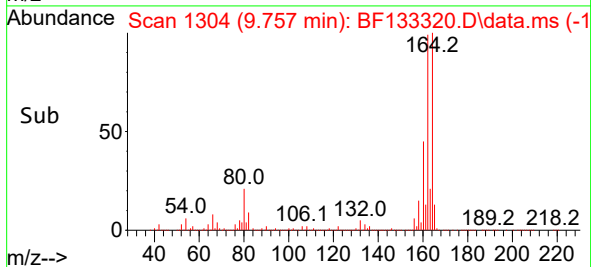
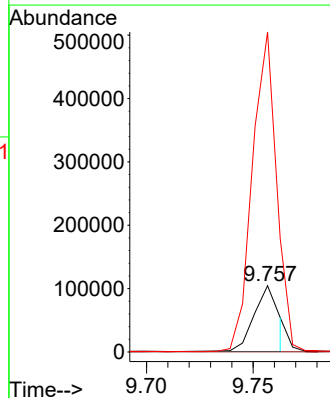
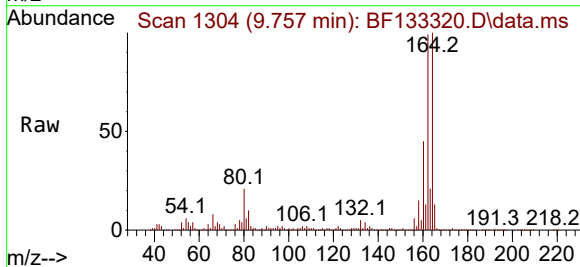
Tgt Ion:163 Resp: 83219

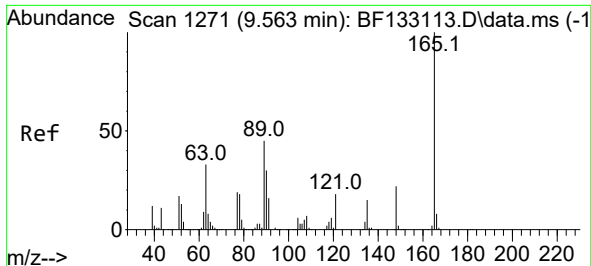
Ion Ratio Lower Upper

163 100

194 0.2 3.1 4.7#

164 482.8 8.5 12.7#

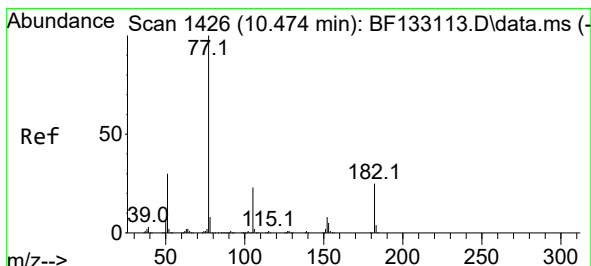
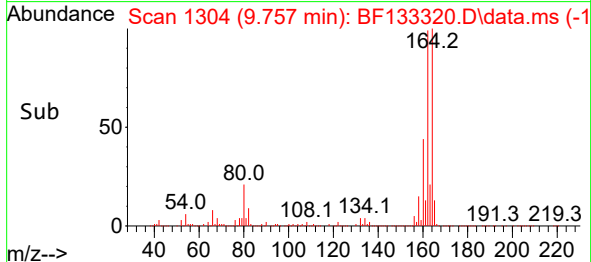
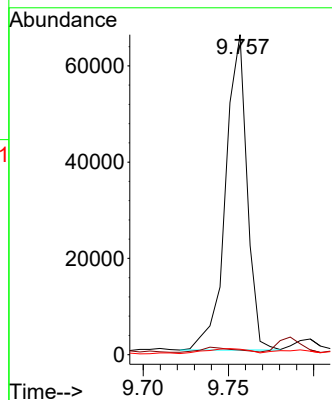
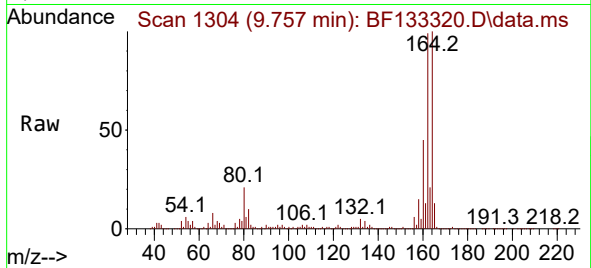




#51
2,6-Dinitrotoluene
Concen: 9.102 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF133320.D
Acq: 09 May 2023 16:39

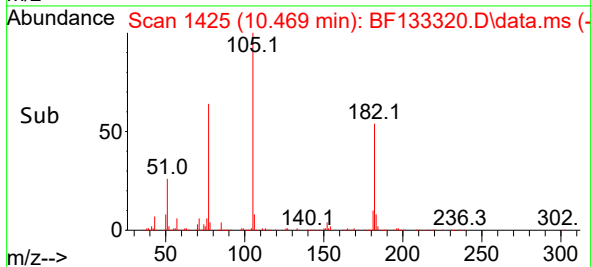
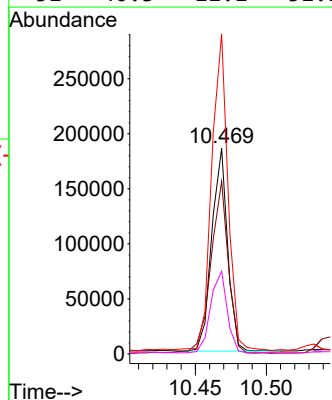
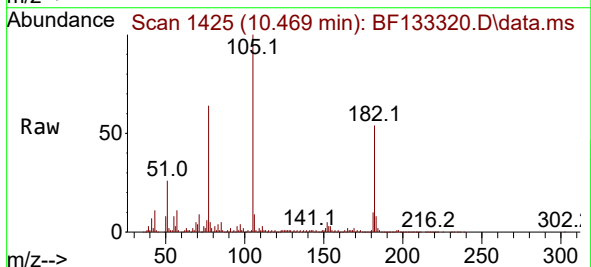
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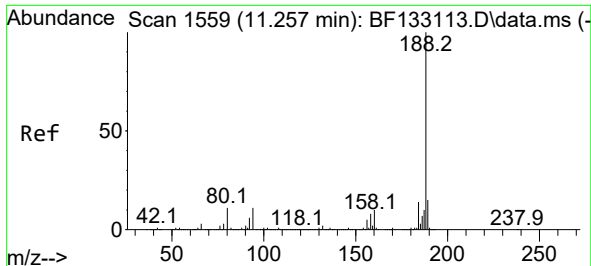
Tgt Ion:165 Resp: 57320
Ion Ratio Lower Upper
165 100
63 1.5 45.9 68.9#
89 1.7 44.0 66.0#



#63
Azobenzene
Concen: 5.120 ng
RT: 10.469 min Scan# 1425
Delta R.T. 0.006 min
Lab File: BF133320.D
Acq: 09 May 2023 16:39

Tgt Ion: 77 Resp: 143336
Ion Ratio Lower Upper
77 100
182 83.9 5.9 45.9#
105 155.6 2.3 42.3#
51 40.3 11.1 51.1

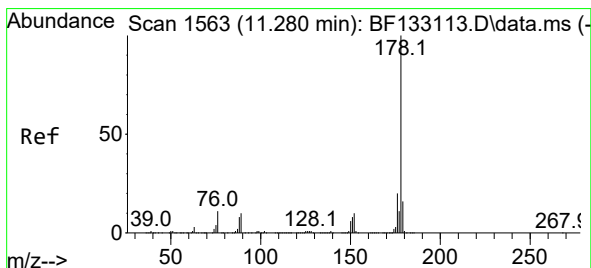
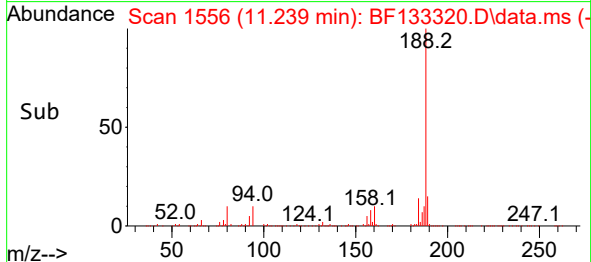
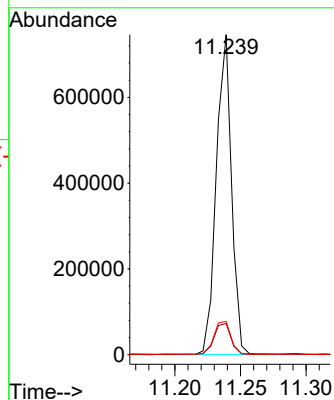
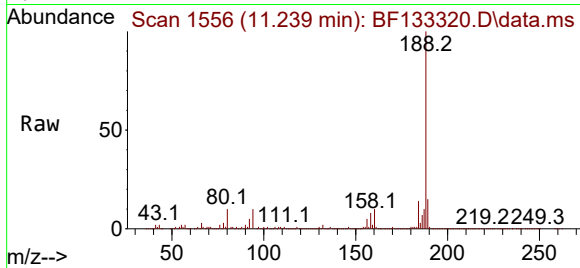




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF133320.D
Acq: 09 May 2023 16:39

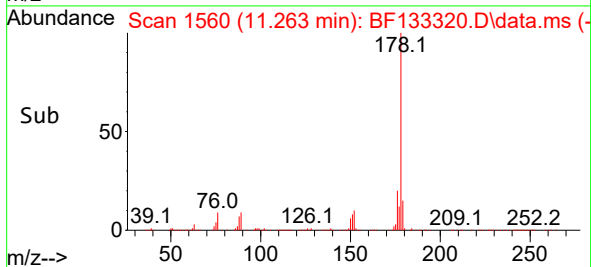
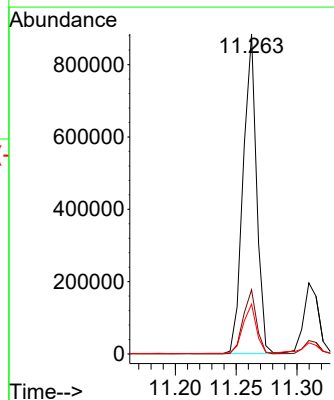
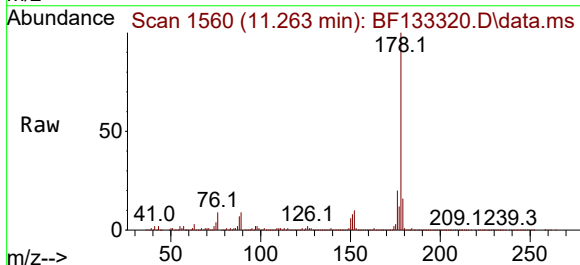
Instrument :
BNA_F
ClientSampleId :
SU-02-050823

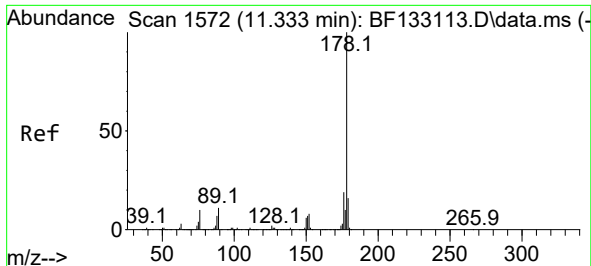
Tgt Ion:188 Resp: 601285
Ion Ratio Lower Upper
188 100
94 9.7 9.7 14.5
80 10.4 10.4 15.6#



#71
Phenanthrene
Concen: 21.149 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF133320.D
Acq: 09 May 2023 16:39

Tgt Ion:178 Resp: 683481
Ion Ratio Lower Upper
178 100
176 20.1 15.9 23.9
179 15.5 12.5 18.7

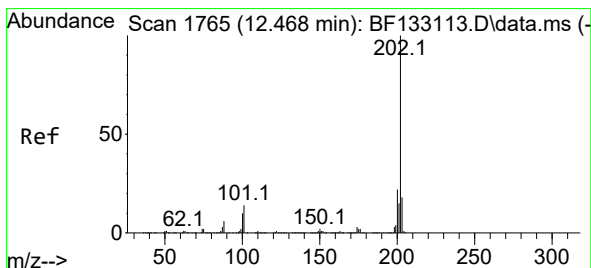
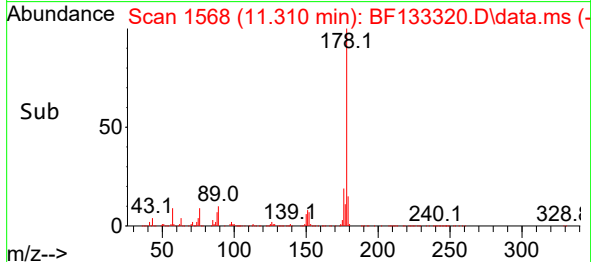
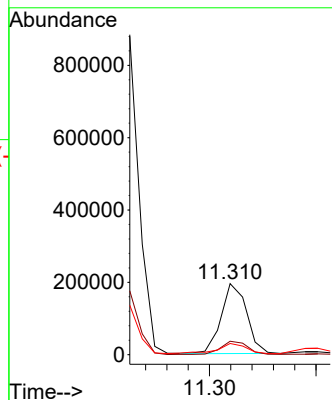
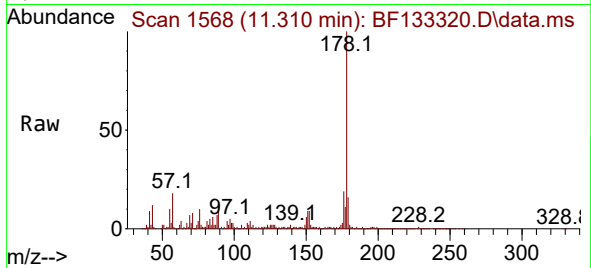




#72
 Anthracene
 Concen: 4.896 ng
 RT: 11.310 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF133320.D
 Acq: 09 May 2023 16:39

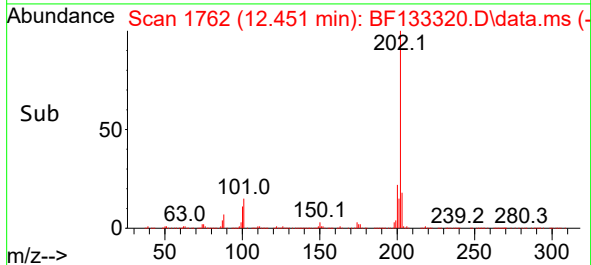
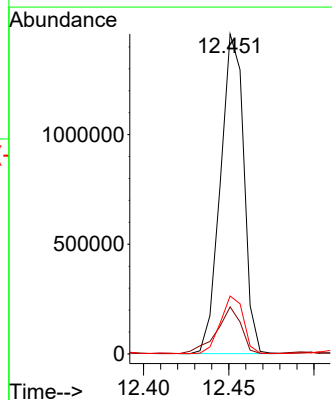
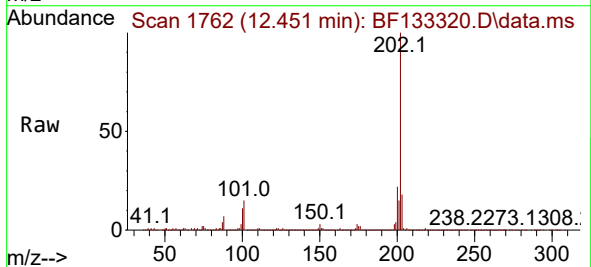
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-050823

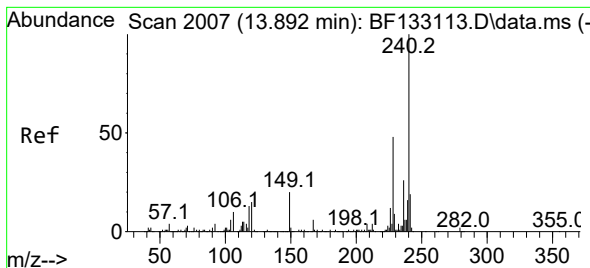
Tgt Ion:178 Resp: 161927
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.4 23.0
 179 15.8 12.4 18.6



#75
 Fluoranthene
 Concen: 42.818 ng
 RT: 12.451 min Scan# 1762
 Delta R.T. -0.006 min
 Lab File: BF133320.D
 Acq: 09 May 2023 16:39

Tgt Ion:202 Resp: 1388756
 Ion Ratio Lower Upper
 202 100
 101 14.7 0.0 35.3
 203 18.1 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.874 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133320.D

Acq: 09 May 2023 16:39

Instrument :

BNA_F

ClientSampleId :

SU-02-050823

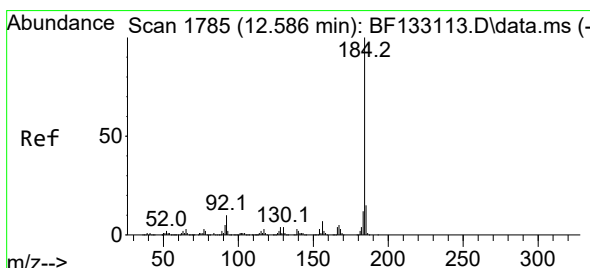
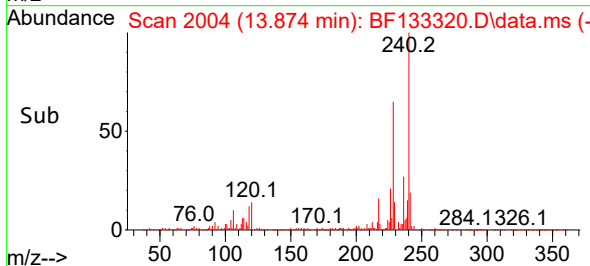
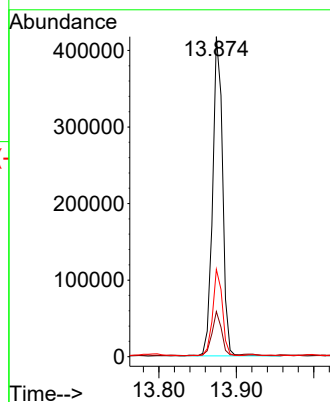
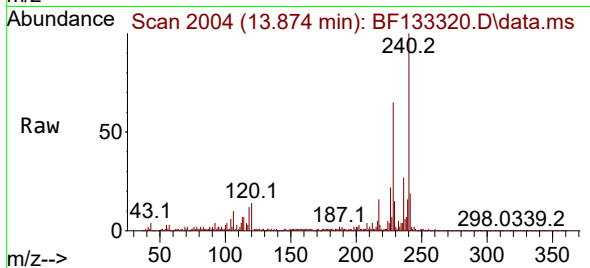
Tgt Ion:240 Resp: 372351

Ion Ratio Lower Upper

240 100

120 14.1 10.5 15.7

236 27.3 21.5 32.3



#77

Benzidine

Concen: 2.117 ng

RT: 12.827 min Scan# 1826

Delta R.T. 0.253 min

Lab File: BF133320.D

Acq: 09 May 2023 16:39

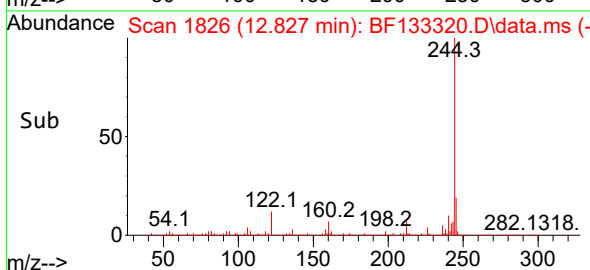
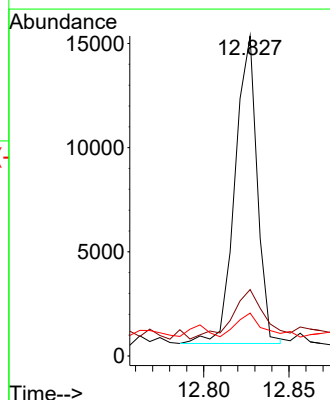
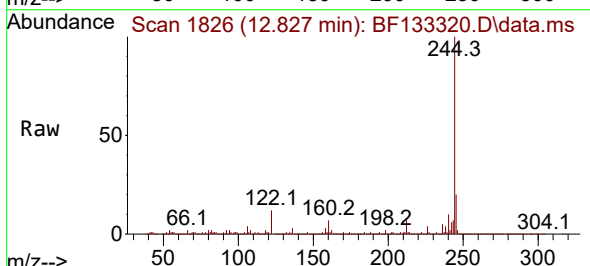
Tgt Ion:184 Resp: 13329

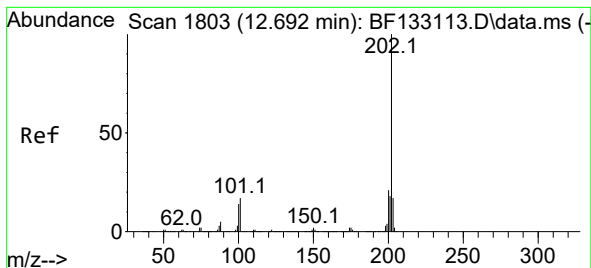
Ion Ratio Lower Upper

184 100

185 20.7 15.4 23.2

183 13.4 9.4 14.0





#78

Pyrene

Concen: 40.507 ng

RT: 12.680 min Scan# 1801

Delta R.T. -0.000 min

Lab File: BF133320.D

Acq: 09 May 2023 16:39

Instrument :

BNA_F

ClientSampleId :

SU-02-050823

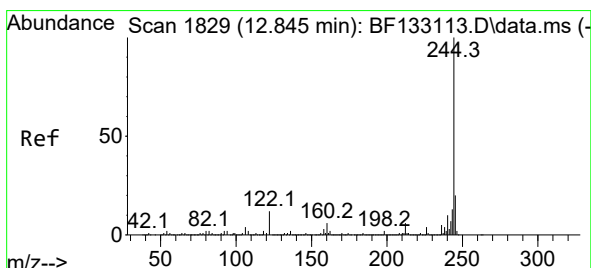
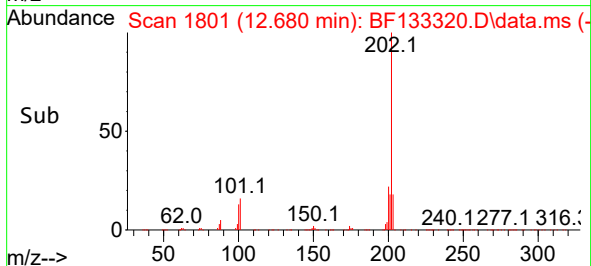
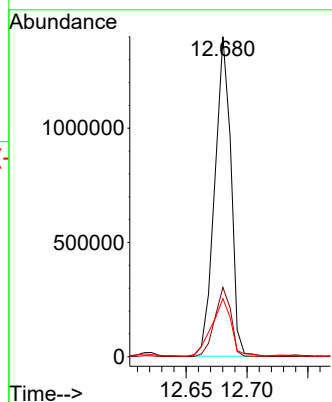
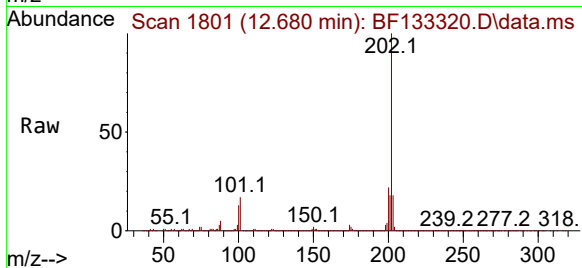
Tgt Ion:202 Resp: 1292957

Ion Ratio Lower Upper

202 100

200 21.6 17.1 25.7

203 18.2 14.1 21.1



#79

Terphenyl-d14

Concen: 46.735 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF133320.D

Acq: 09 May 2023 16:39

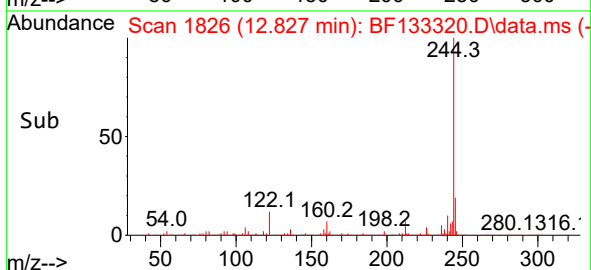
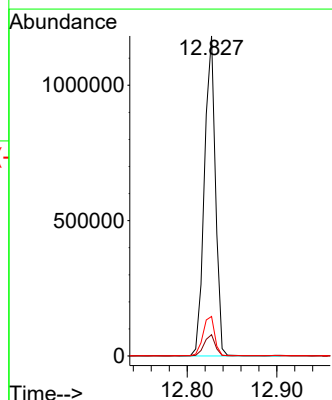
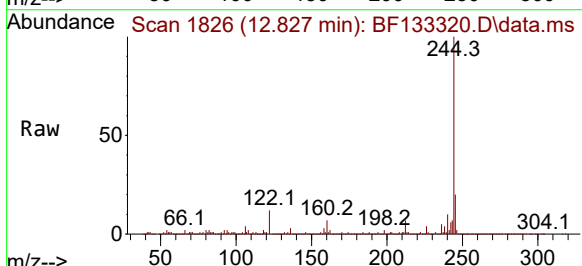
Tgt Ion:244 Resp: 1008994

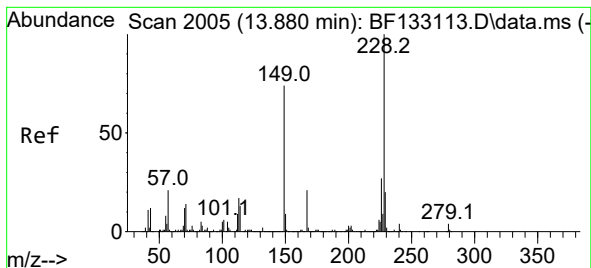
Ion Ratio Lower Upper

244 100

212 6.7 5.1 7.7

122 12.3 8.6 13.0





#81

Benzo(a)anthracene

Concen: 27.182 ng

RT: 13.868 min Scan# 2009

Delta R.T. -0.000 min

Lab File: BF133320.D

Acq: 09 May 2023 16:39

Instrument :

BNA_F

ClientSampleId :

SU-02-050823

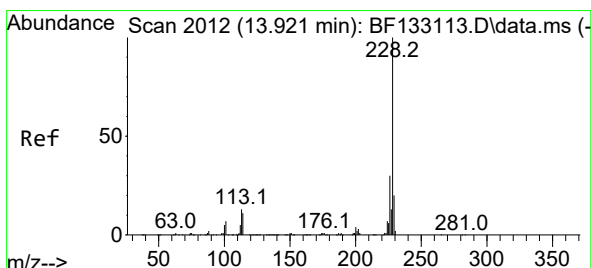
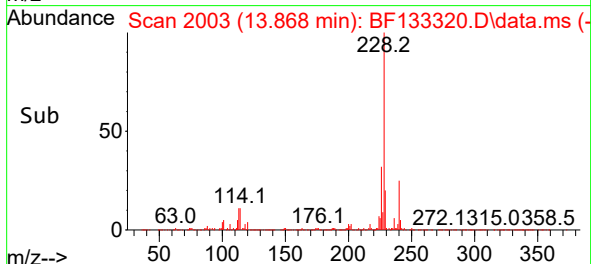
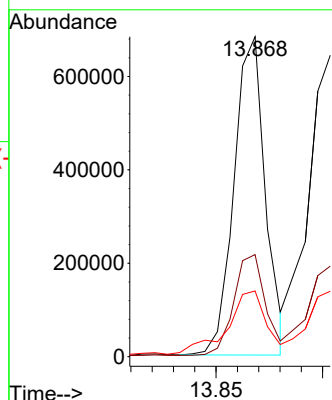
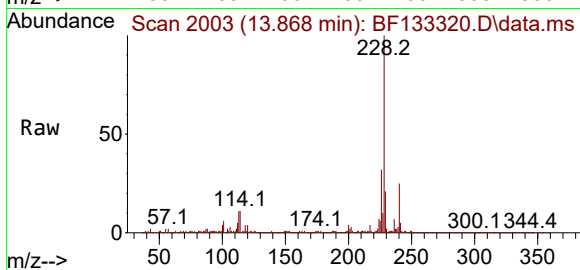
Tgt Ion:228 Resp: 696019

Ion Ratio Lower Upper

228 100

226 31.9 22.2 33.4

229 20.5 16.0 24.0



#83

Chrysene

Concen: 25.576 ng

RT: 13.904 min Scan# 2009

Delta R.T. -0.006 min

Lab File: BF133320.D

Acq: 09 May 2023 16:39

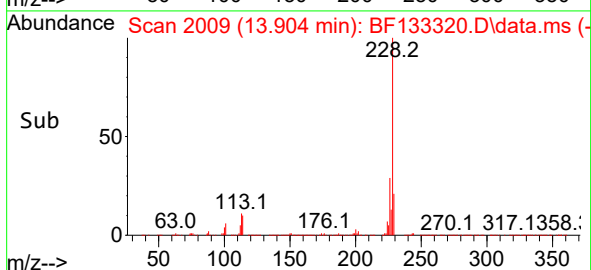
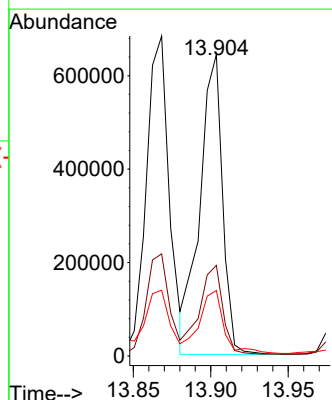
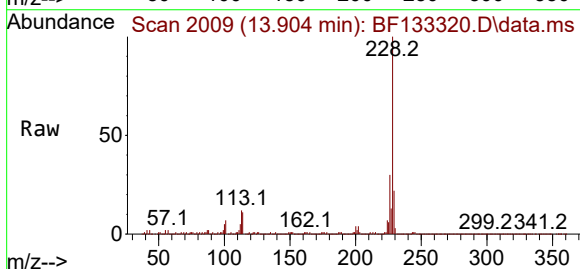
Tgt Ion:228 Resp: 654720

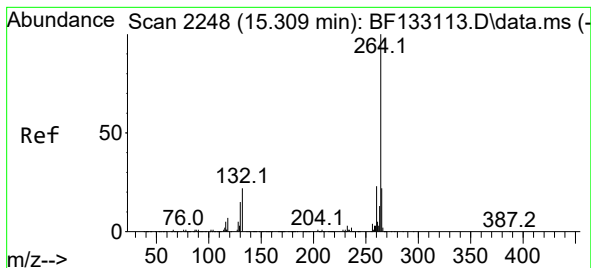
Ion Ratio Lower Upper

228 100

226 30.1 24.7 37.1

229 21.7 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.298 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133320.D

Acq: 09 May 2023 16:39

Instrument :

BNA_F

ClientSampleId :

SU-02-050823

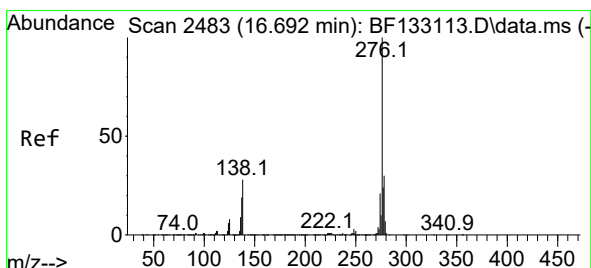
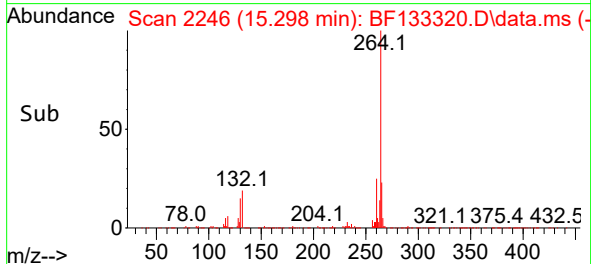
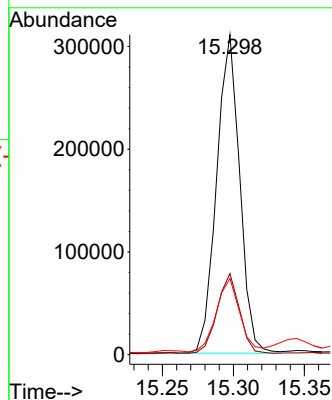
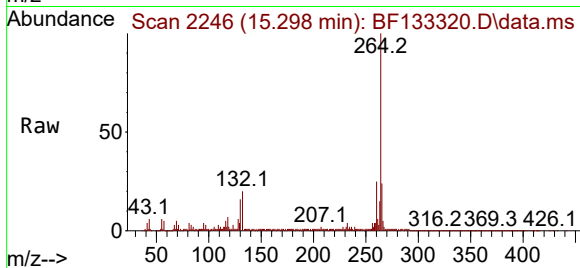
Tgt Ion:264 Resp: 350372

Ion Ratio Lower Upper

264 100

260 25.3 18.8 28.2

265 23.8 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.415 ng

RT: 16.527 min Scan# 2455

Delta R.T. -0.147 min

Lab File: BF133320.D

Acq: 09 May 2023 16:39

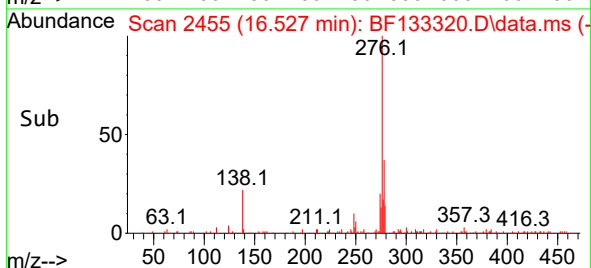
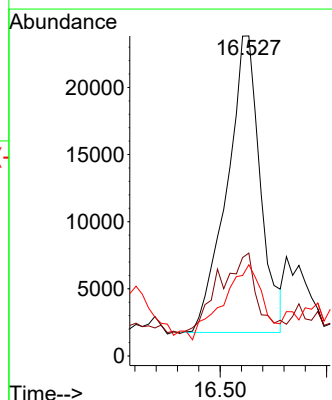
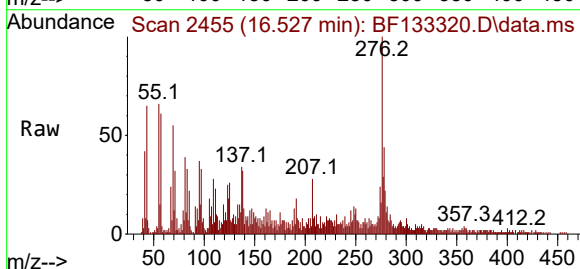
Tgt Ion:276 Resp: 48122

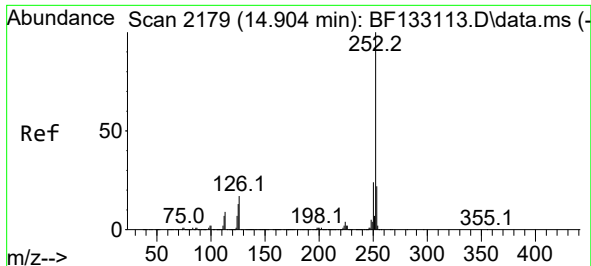
Ion Ratio Lower Upper

276 100

138 31.9 25.5 38.3

277 30.3 20.4 30.6

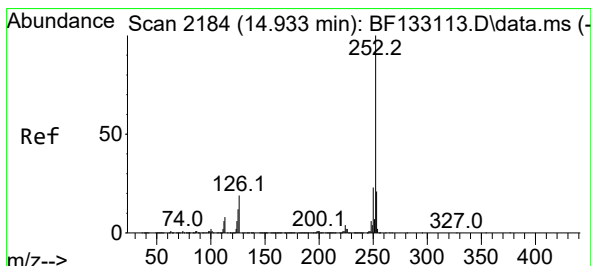
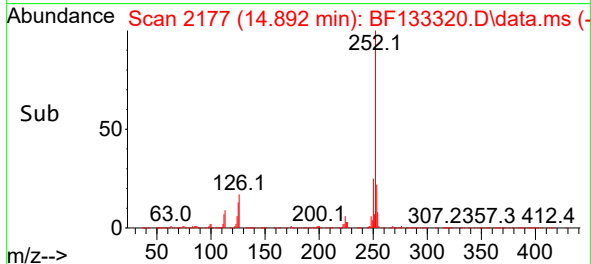
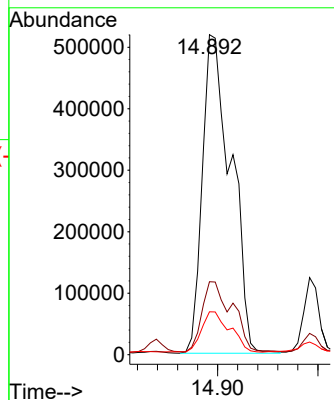
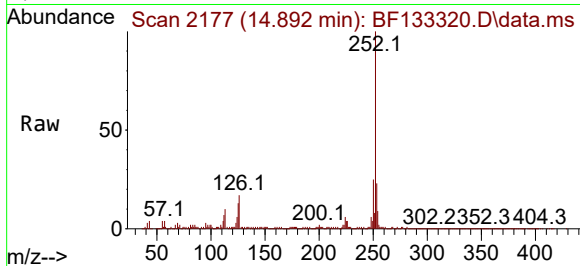




#88
Benzo(b)fluoranthene
Concen: 46.420 ng
RT: 14.892 min Scan# 2177
Delta R.T. -0.000 min
Lab File: BF133320.D
Acq: 09 May 2023 16:39

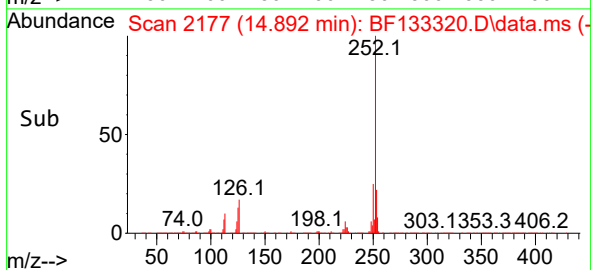
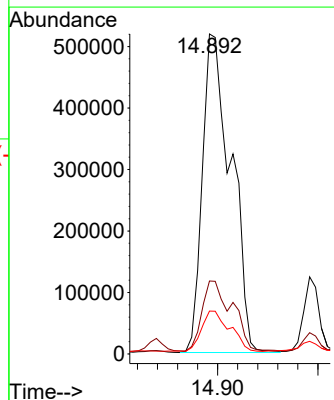
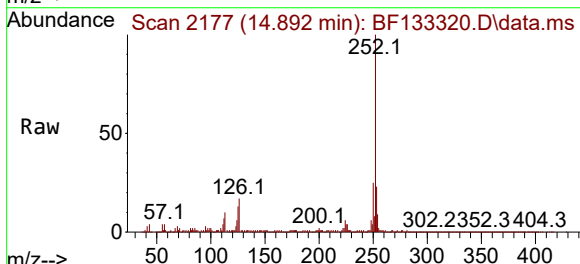
Instrument :
BNA_F
ClientSampleId :
SU-02-050823

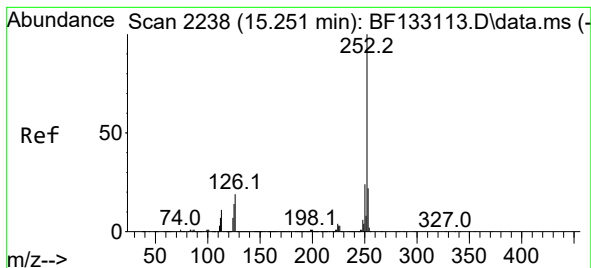
Tgt Ion:252 Resp: 1034708
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 13.4 8.9 13.3#



#89
Benzo(k)fluoranthene
Concen: 46.828 ng
RT: 14.892 min Scan# 2177
Delta R.T. -0.029 min
Lab File: BF133320.D
Acq: 09 May 2023 16:39

Tgt Ion:252 Resp: 1034708
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 13.4 9.0 13.4





#90

Benzo(a)pyrene

Concen: 26.223 ng

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133320.D

Acq: 09 May 2023 16:39

Instrument :

BNA_F

ClientSampleId :

SU-02-050823

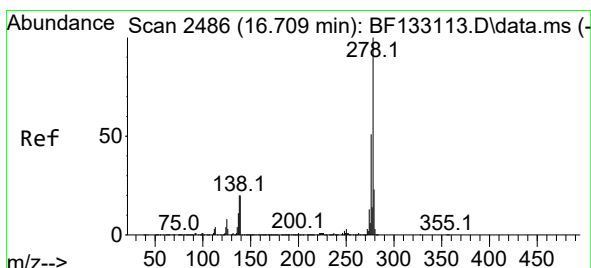
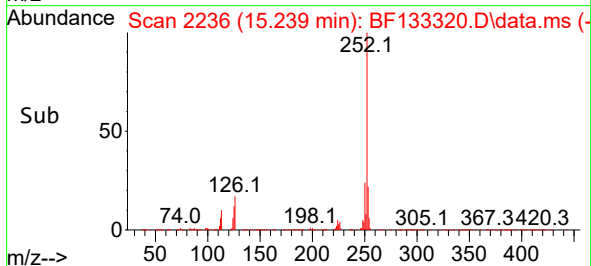
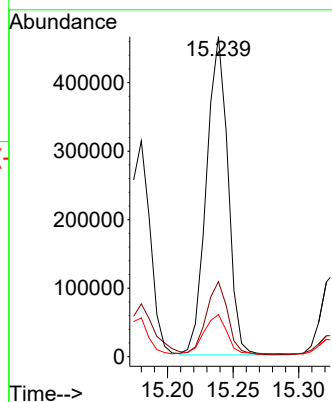
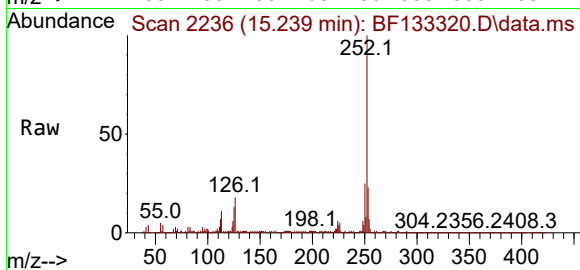
Tgt Ion:252 Resp: 532032

Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

125 13.1 10.5 15.7



#91

Dibenzo(a,h)anthracene

Concen: 3.181 ng

RT: 16.845 min Scan# 2509

Delta R.T. 0.153 min

Lab File: BF133320.D

Acq: 09 May 2023 16:39

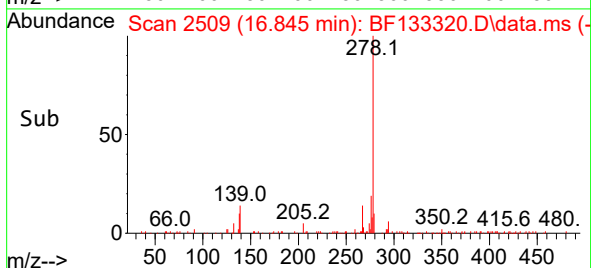
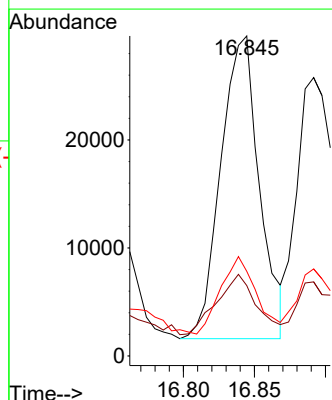
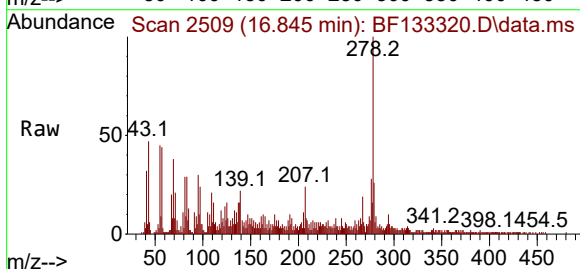
Tgt Ion:278 Resp: 52877

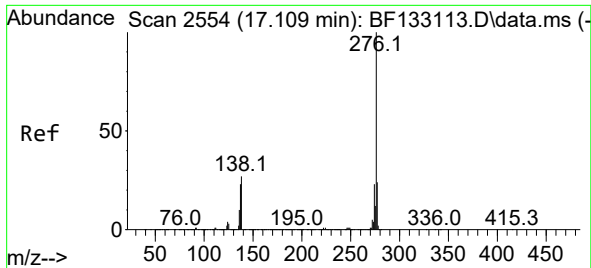
Ion Ratio Lower Upper

278 100

139 22.0 16.6 24.8

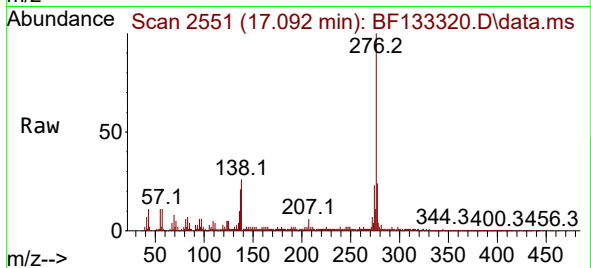
279 26.5 18.8 28.2





#92
Benzo(g,h,i)perylene
Concen: 14.188 ng
RT: 17.092 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF133320.D
Acq: 09 May 2023 16:39

Instrument :
BNA_F
ClientSampleId :
SU-02-050823



Tgt Ion: 276 Resp: 232834
Ion Ratio Lower Upper
276 100
277 24.2 19.4 29.0
138 25.9 22.7 34.1

