

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
 Data File : BF136058.D
 Acq On : 31 Oct 2023 18:36
 Operator : CG\JU
 Sample : 04974-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: Nov 01 00:35:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

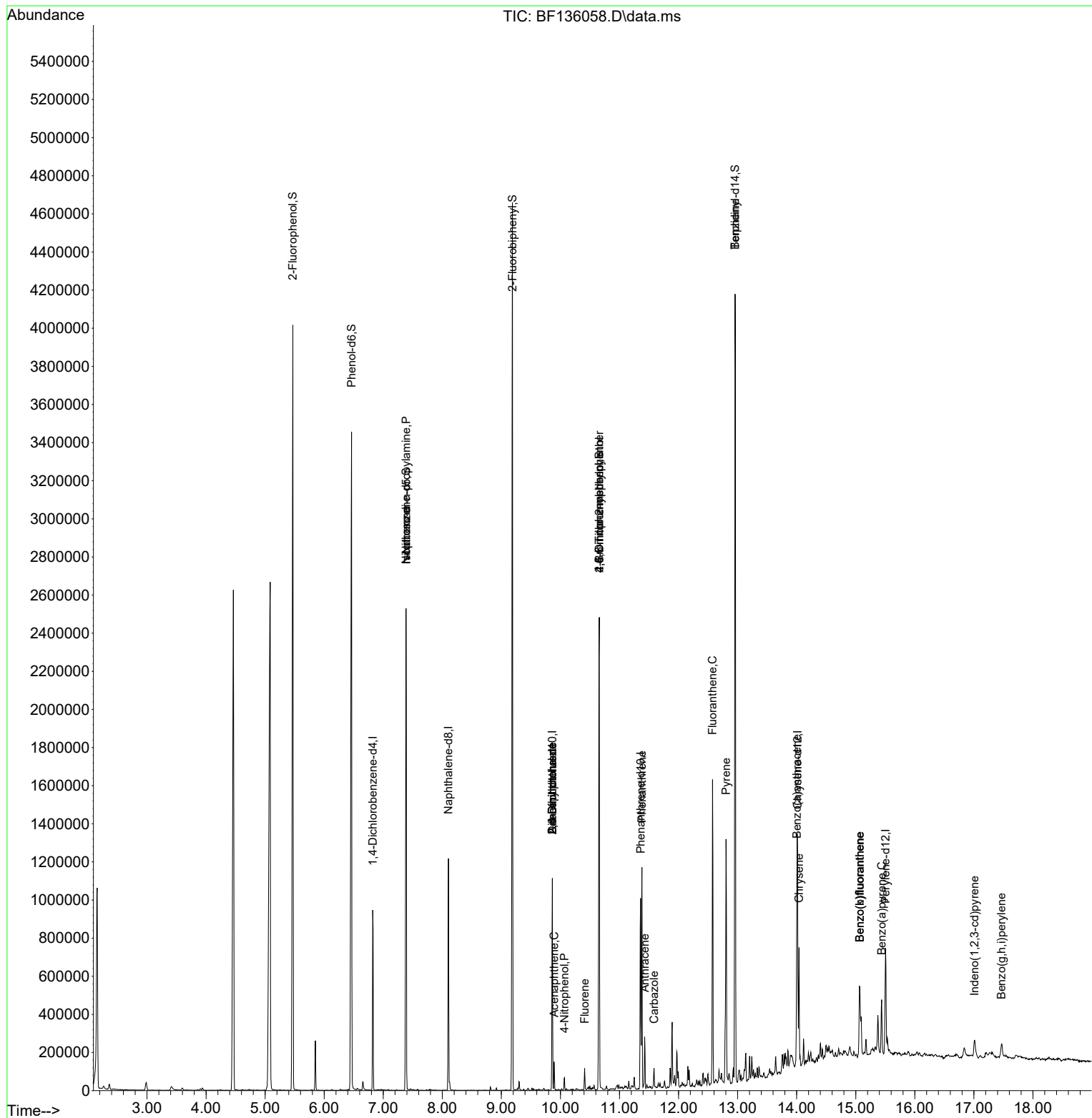
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	136426	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	466222	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	203457	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	364445	20.000	ng	0.00
76) Chrysene-d12	14.015	240	326661	20.000	ng	0.00
86) Perylene-d12	15.504	264	267934	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	1204125	138.696	ng	0.02
7) Phenol-d6	6.463	99	1415989	130.904	ng	0.00
23) Nitrobenzene-d5	7.386	82	830424	107.374	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	323529	148.978	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	1347363	105.567	ng	0.00
79) Terphenyl-d14	12.957	244	1594062	75.835	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.386	70	108388	17.537	ng	# 78
25) Isophorone	7.386	82	829370	56.803	ng	# 64
50) Dimethylphthalate	9.863	163	40457	3.015	ng	# 1
51) 2,6-Dinitrotoluene	9.863	165	27113	9.446	ng	# 28
52) Acenaphthene	9.892	154	28024	2.471	ng	98
56) 4-Nitrophenol	10.069	139	8371	3.341	ng	# 15
57) 2,4-Dinitrotoluene	9.863	165	27113	7.466	ng	# 25
58) Fluorene	10.410	166	25058	2.024	ng	98
65) 4,6-Dinitro-2-methylph...	10.657	198	644	6.073	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	19936	5.218	ng	# 1
71) Phenanthrene	11.380	178	415825	22.661	ng	98
72) Anthracene	11.427	178	96330	5.123	ng	98
73) Carbazole	11.586	167	37125	2.272	ng	99
75) Fluoranthene	12.574	202	607320	32.217	ng	99
77) Benzidine	12.957	184	18975	2.980	ng	# 93
78) Pyrene	12.804	202	508521	17.657	ng	100
81) Benzo(a)anthracene	14.004	228	271178	12.540	ng	99
83) Chrysene	14.039	228	206067	9.676	ng	98
87) Indeno(1,2,3-cd)pyrene	17.009	276	65301	3.729	ng	96
88) Benzo(b)fluoranthene	15.068	252	294530	18.577	ng	99
89) Benzo(k)fluoranthene	15.068	252	294530	18.776	ng	99
90) Benzo(a)pyrene	15.439	252	135478	9.197	ng	98
92) Benzo(g,h,i)perylene	17.468	276	57156	6.184	ng	99

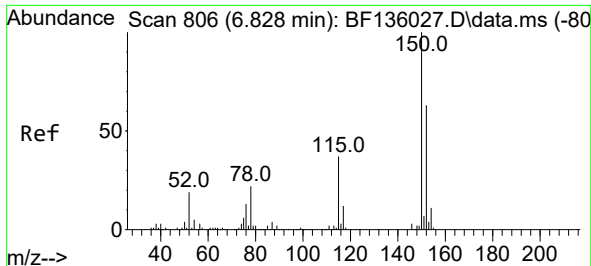
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

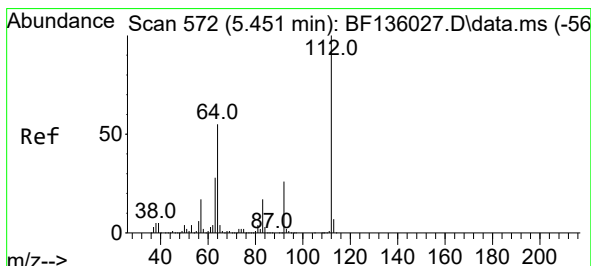
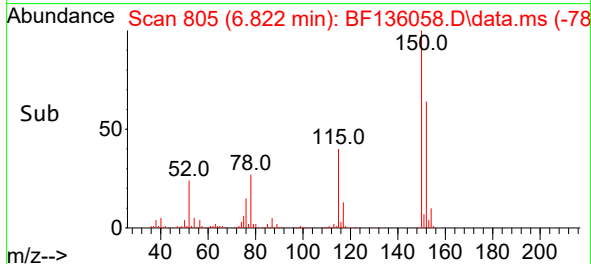
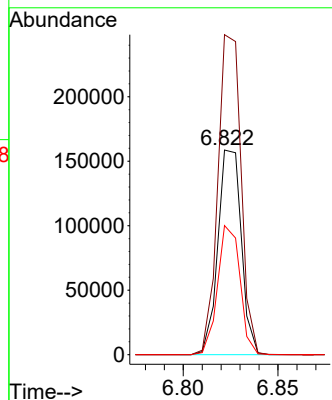
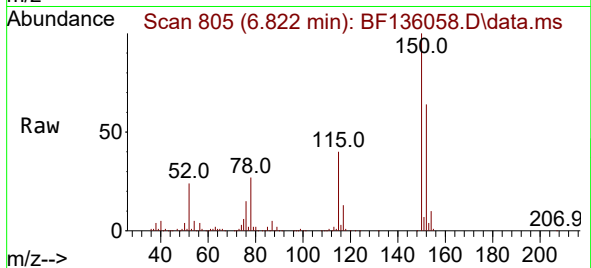




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.822 min Scan# 806
 Delta R.T. -0.006 min
 Lab File: BF136058.D
 Acq: 31 Oct 2023 18:36

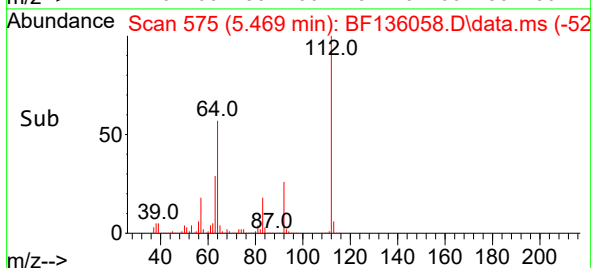
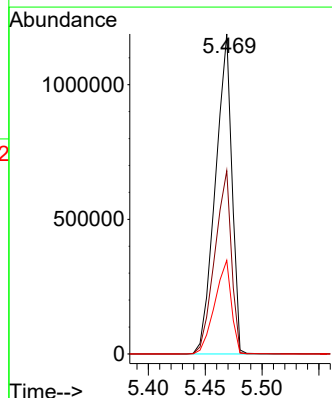
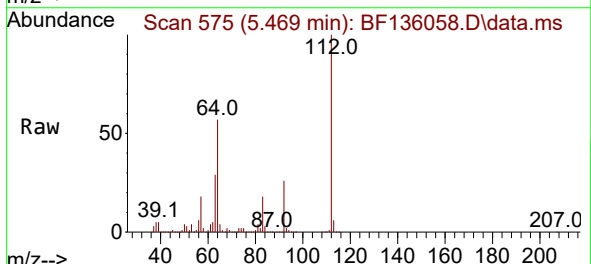
Instrument :
 BNA_F
 ClientSampleId :
 TP-4

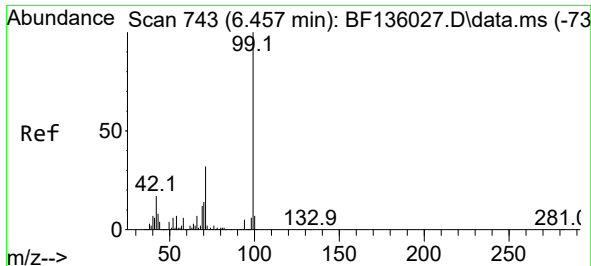
Tgt Ion:152 Resp: 136426
 Ion Ratio Lower Upper
 152 100
 150 156.3 126.4 189.6
 115 63.1 47.0 70.4



#5
 2-Fluorophenol
 Concen: 138.696 ng
 RT: 5.469 min Scan# 575
 Delta R.T. 0.018 min
 Lab File: BF136058.D
 Acq: 31 Oct 2023 18:36

Tgt Ion:112 Resp: 1204125
 Ion Ratio Lower Upper
 112 100
 64 57.2 43.9 65.9
 63 29.3 22.4 33.6

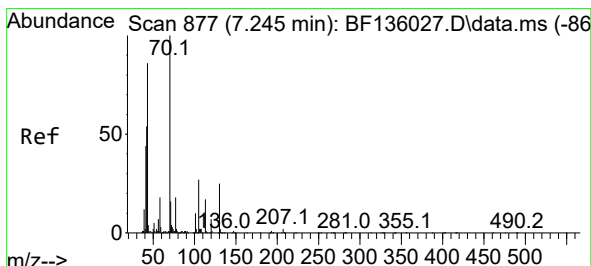
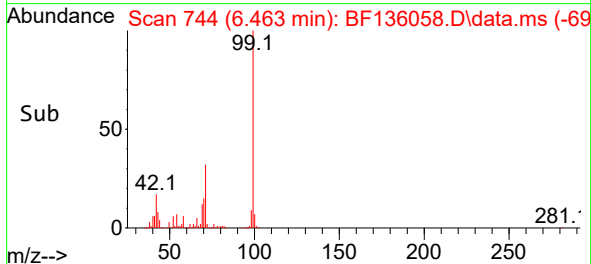
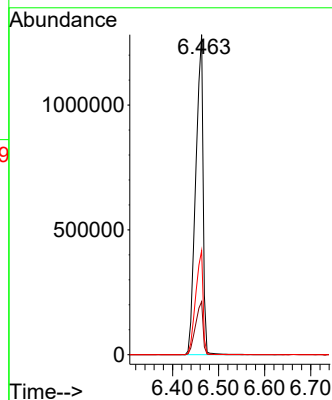
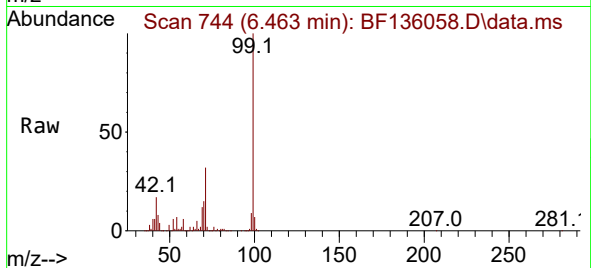




#7
Phenol-d6
Concen: 130.904 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.006 min
Lab File: BF136058.D
Acq: 31 Oct 2023 18:36

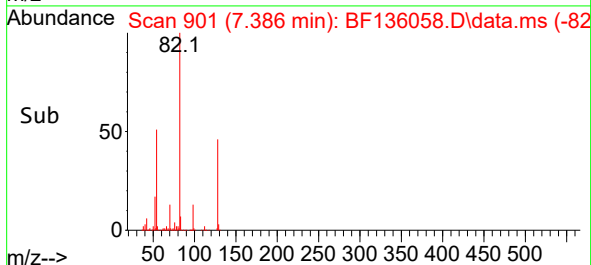
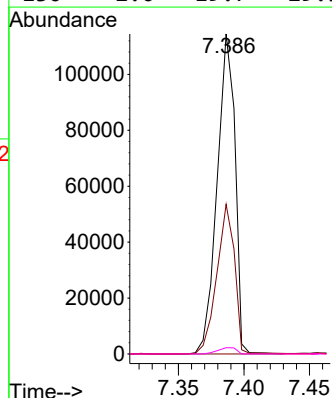
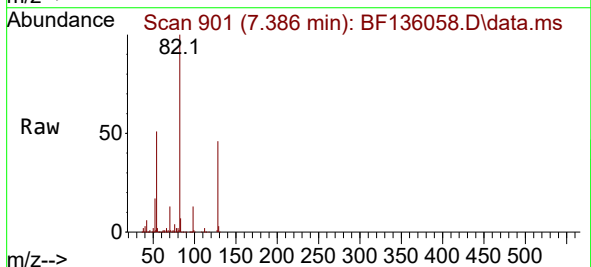
Instrument :
BNA_F
ClientSampleId :
TP-4

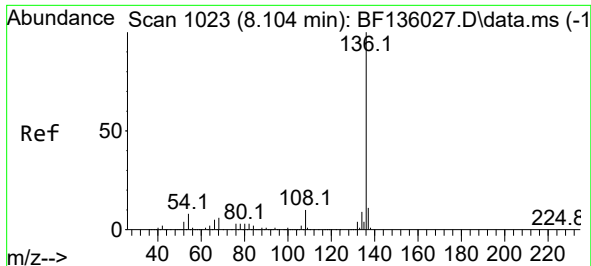
Tgt Ion: 99 Resp: 1415989
Ion Ratio Lower Upper
99 100
42 16.5 13.7 20.5
71 32.5 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 17.537 ng
RT: 7.386 min Scan# 901
Delta R.T. 0.141 min
Lab File: BF136058.D
Acq: 31 Oct 2023 18:36

Tgt Ion: 70 Resp: 108388
Ion Ratio Lower Upper
70 100
42 46.7 43.0 64.4
101 0.0 8.0 12.0#
130 2.0 19.7 29.5#



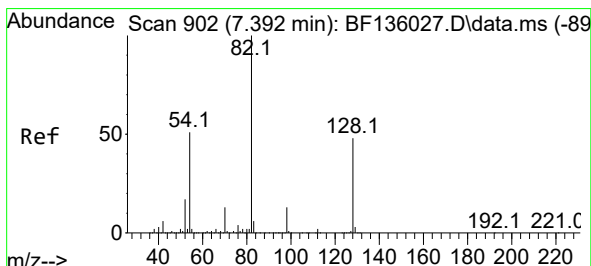
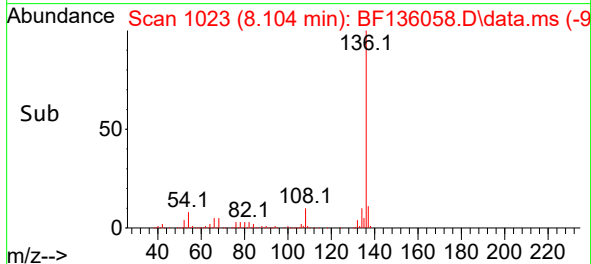
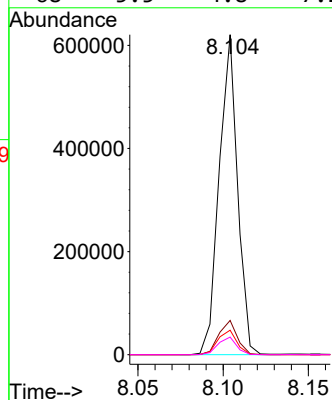
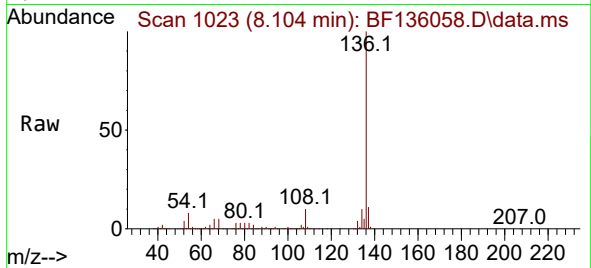


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF136058.D
Acq: 31 Oct 2023 18:36

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:136 Resp: 466222

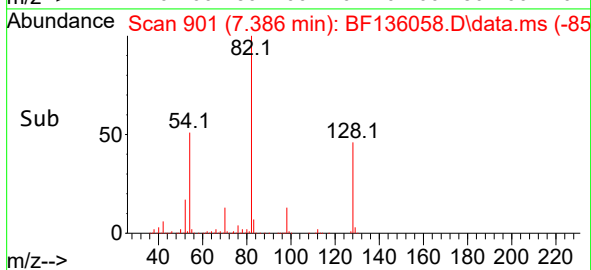
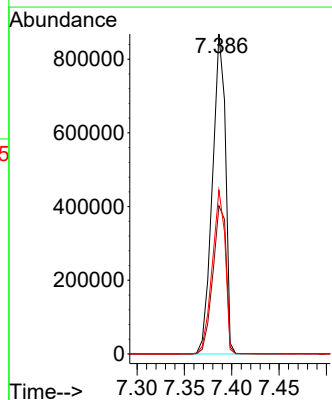
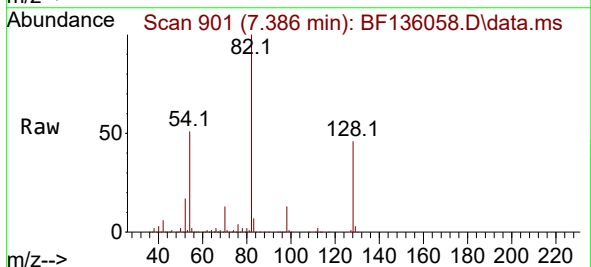
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	7.6	6.6	9.8
68	5.5	4.8	7.2

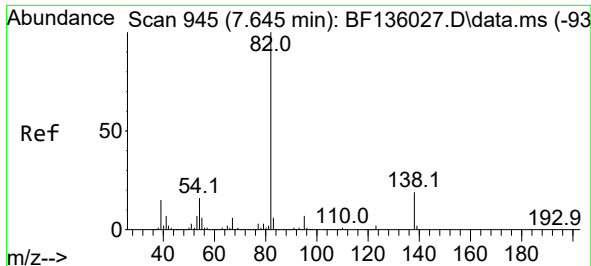


#23
Nitrobenzene-d5
Concen: 107.374 ng
RT: 7.386 min Scan# 901
Delta R.T. -0.006 min
Lab File: BF136058.D
Acq: 31 Oct 2023 18:36

Tgt Ion: 82 Resp: 830424

Ion	Ratio	Lower	Upper
82	100		
128	46.3	38.6	57.8
54	51.2	40.8	61.2

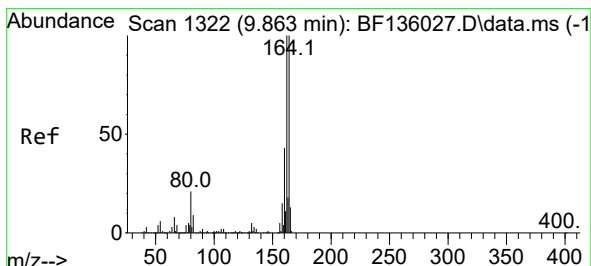
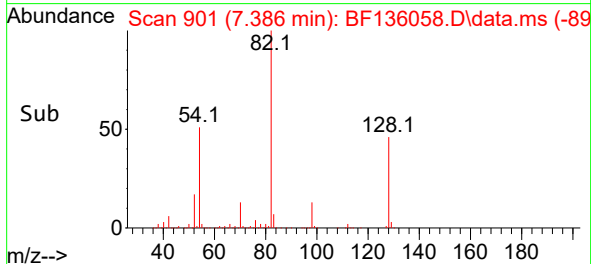
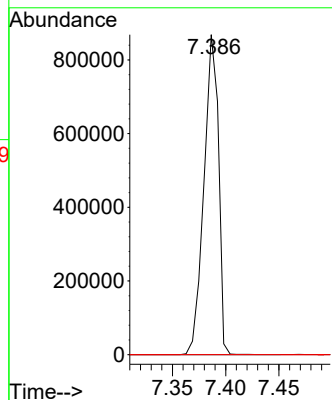
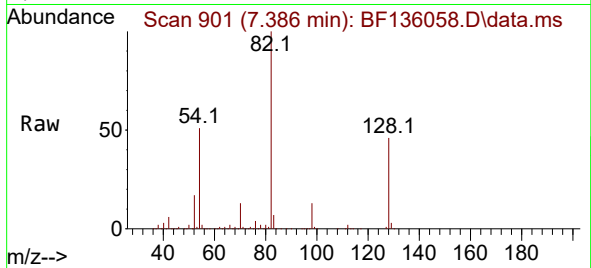




#25
Isophorone
Concen: 56.803 ng
RT: 7.386 min Scan# 901
Delta R.T. -0.259 min
Lab File: BF136058.D
Acq: 31 Oct 2023 18:36

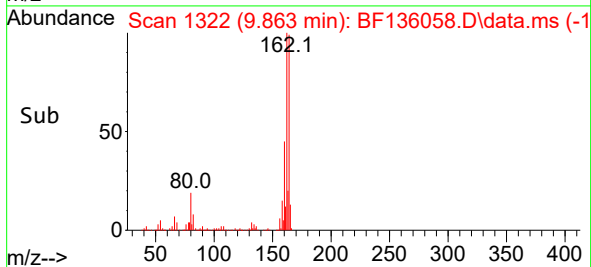
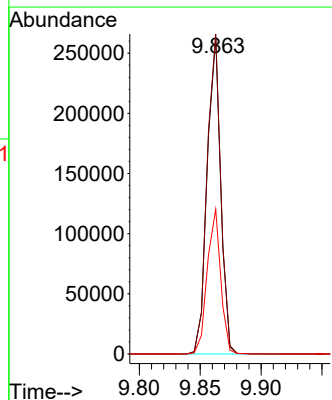
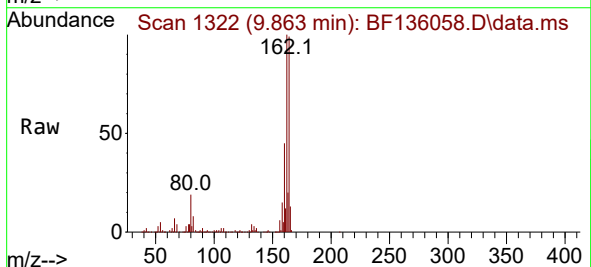
Instrument :
BNA_F
ClientSampleId :
TP-4

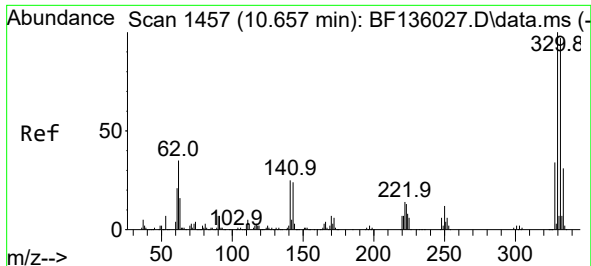
Tgt Ion: 82 Resp: 829370
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF136058.D
Acq: 31 Oct 2023 18:36

Tgt Ion:164 Resp: 203457
Ion Ratio Lower Upper
164 100
162 100.9 80.1 120.1
160 45.6 34.8 52.2

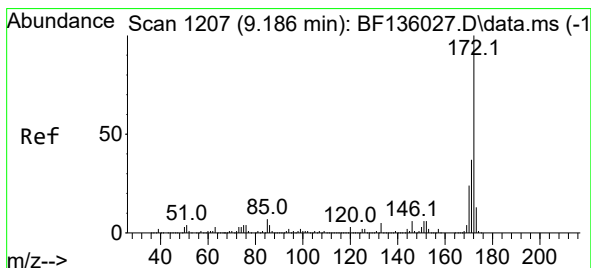
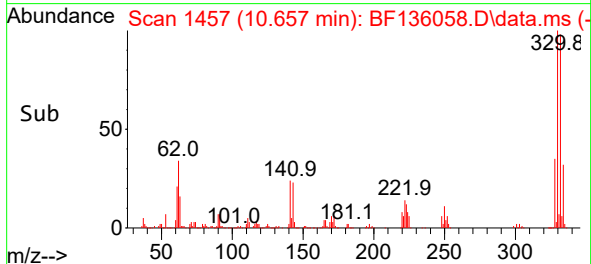
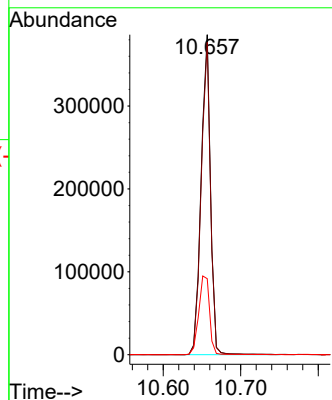
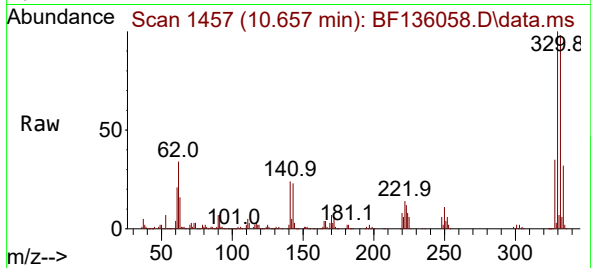




#42
2,4,6-Tribromophenol
Concen: 148.978 ng
RT: 10.657 min Scan# 1457
Delta R.T. 0.000 min
Lab File: BF136058.D
Acq: 31 Oct 2023 18:36

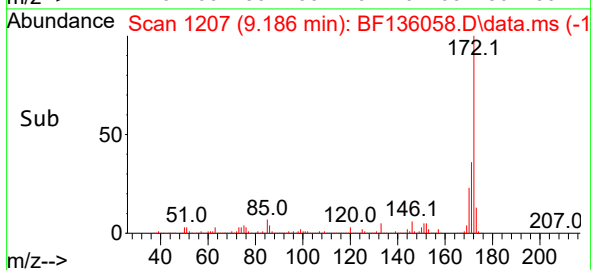
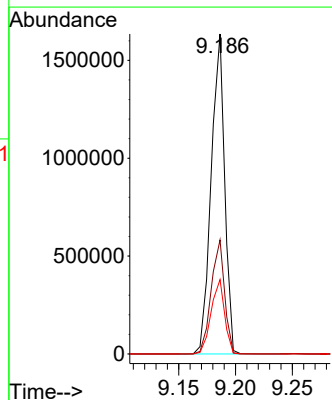
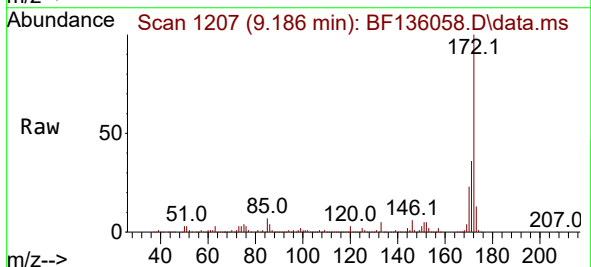
Instrument :
BNA_F
ClientSampleId :
TP-4

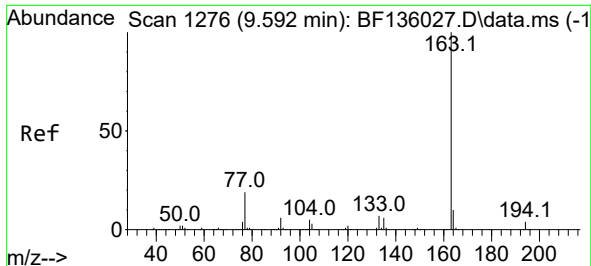
Tgt Ion:330 Resp: 323529
Ion Ratio Lower Upper
330 100
332 96.7 76.9 115.3
141 28.3 23.2 34.8



#45
2-Fluorobiphenyl
Concen: 105.567 ng
RT: 9.186 min Scan# 1207
Delta R.T. 0.000 min
Lab File: BF136058.D
Acq: 31 Oct 2023 18:36

Tgt Ion:172 Resp: 1347363
Ion Ratio Lower Upper
172 100
171 35.6 29.4 44.0
170 23.2 19.3 28.9

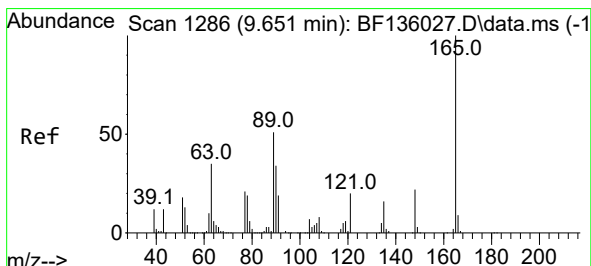
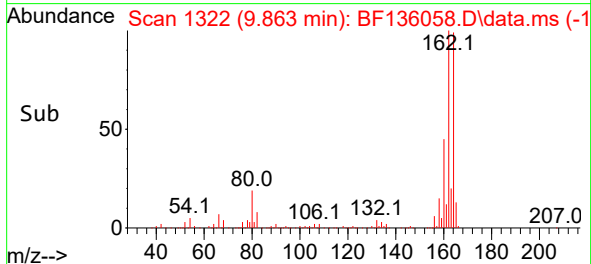
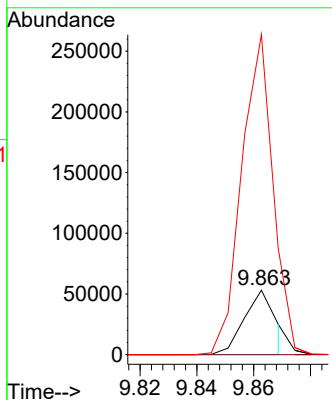
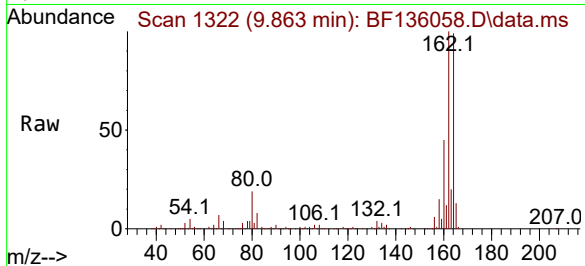




#50
Dimethylphthalate
Concen: 3.015 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.271 min
Lab File: BF136058.D
Acq: 31 Oct 2023 18:36

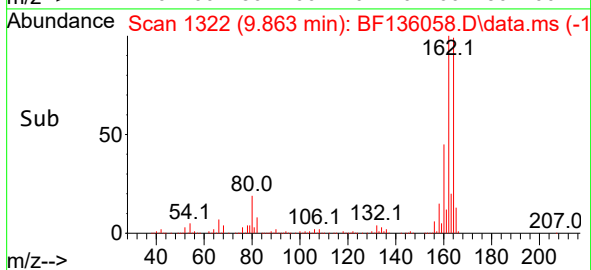
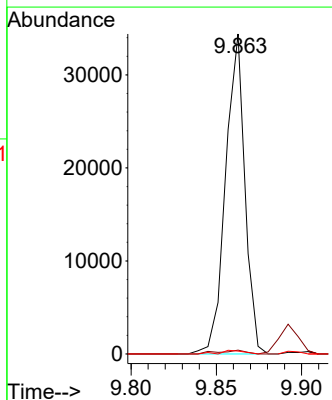
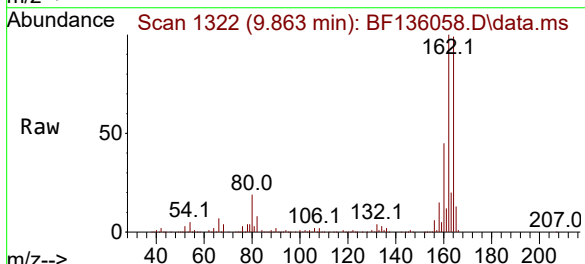
Instrument :
BNA_F
ClientSampleId :
TP-4

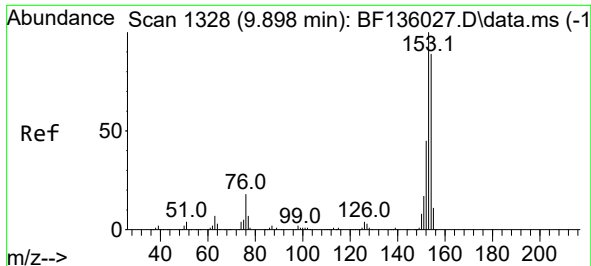
Tgt Ion:163 Resp: 40457
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 495.7 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 9.446 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.212 min
Lab File: BF136058.D
Acq: 31 Oct 2023 18:36

Tgt Ion:165 Resp: 27113
Ion Ratio Lower Upper
165 100
63 1.2 40.8 61.2#
89 0.9 41.1 61.7#

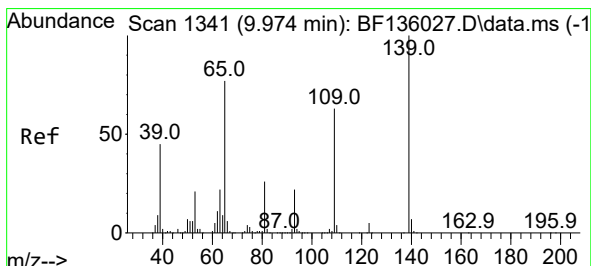
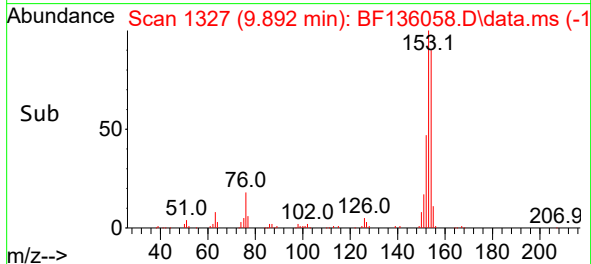
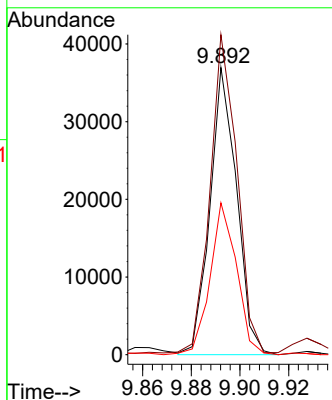
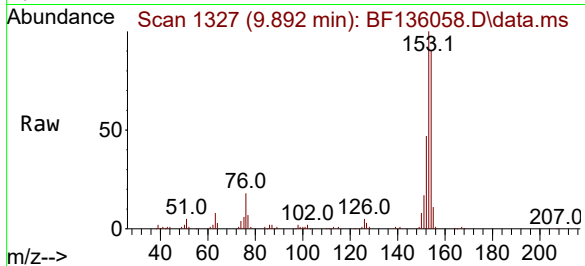




#52
Acenaphthene
Concen: 2.471 ng
RT: 9.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136058.D
Acq: 31 Oct 2023 18:36

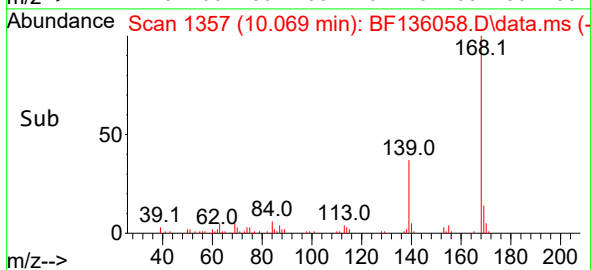
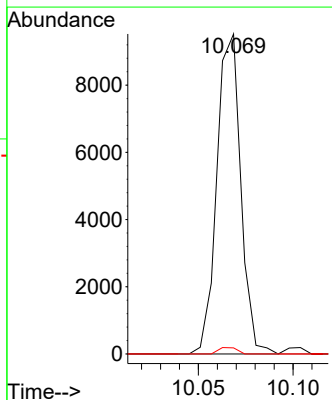
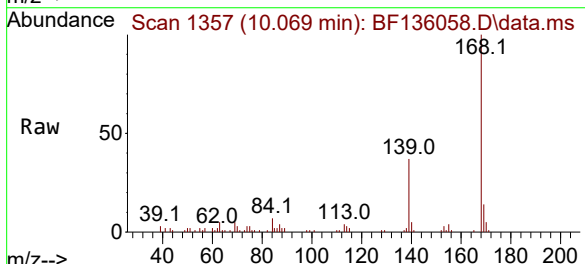
Instrument :
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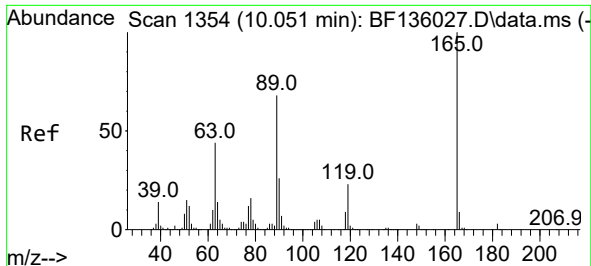
Tgt Ion:154 Resp: 28024
Ion Ratio Lower Upper
154 100
153 111.4 89.9 134.9
152 52.9 40.2 60.2



#56
4-Nitrophenol
Concen: 3.341 ng
RT: 10.069 min Scan# 1357
Delta R.T. 0.094 min
Lab File: BF136058.D
Acq: 31 Oct 2023 18:36

Tgt Ion:139 Resp: 8371
Ion Ratio Lower Upper
139 100
109 0.0 43.2 83.2#
65 1.9 57.6 97.6#

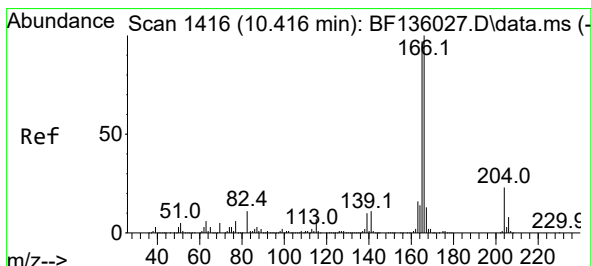
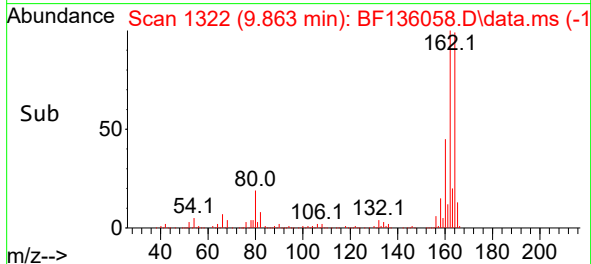
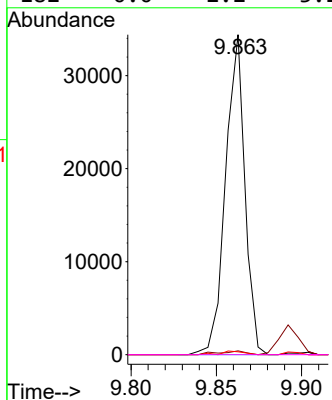
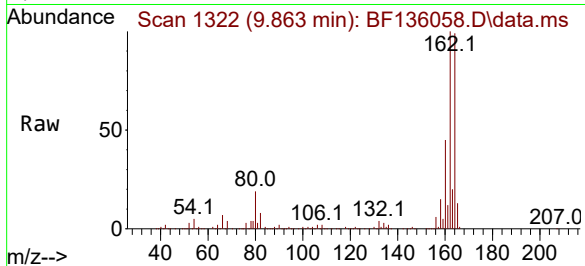




#57
2,4-Dinitrotoluene
Concen: 7.466 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF136058.D
Acq: 31 Oct 2023 18:36

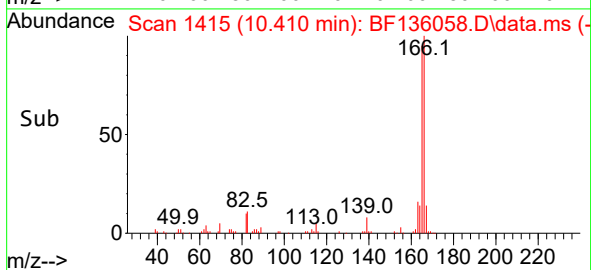
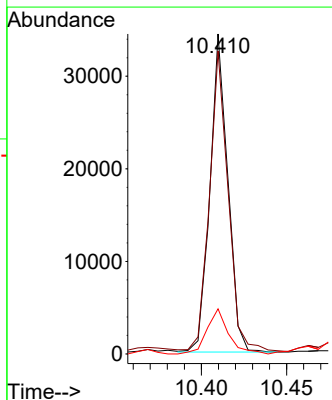
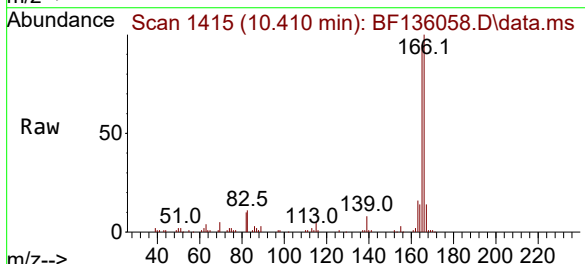
Instrument :
BNA_F
ClientSampleId :
TP-4

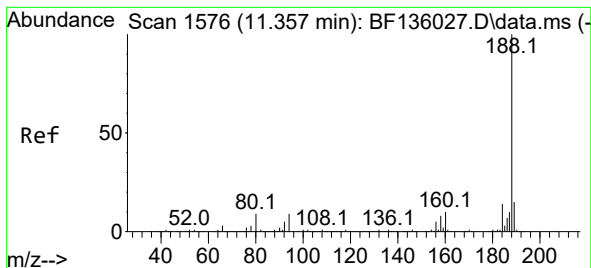
Tgt Ion:165 Resp: 27113
Ion Ratio Lower Upper
165 100
63 1.2 35.2 52.8#
89 0.9 54.8 82.2#
182 0.0 2.2 3.2#



#58
Fluorene
Concen: 2.024 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF136058.D
Acq: 31 Oct 2023 18:36

Tgt Ion:166 Resp: 25058
Ion Ratio Lower Upper
166 100
165 94.7 77.7 116.5
167 14.1 10.6 16.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF136058.D

Acq: 31 Oct 2023 18:36

Instrument :

BNA_F

ClientSampleId :

TP-4

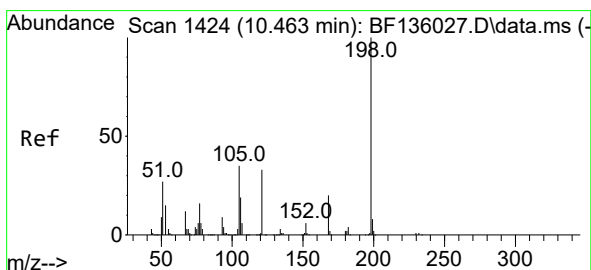
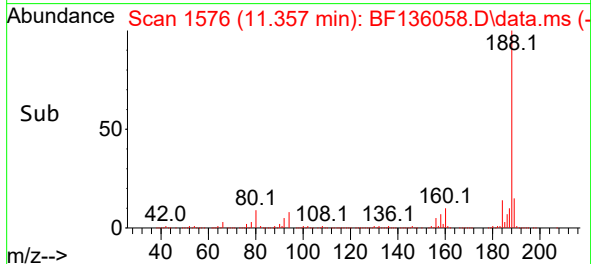
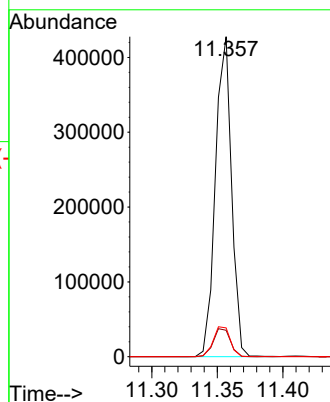
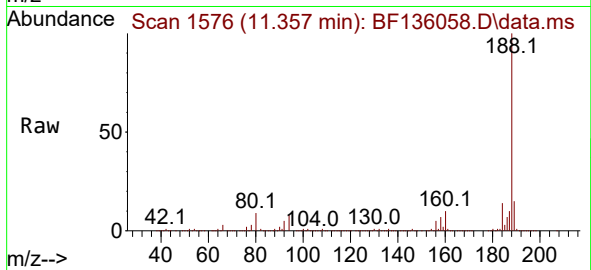
Tgt Ion:188 Resp: 364445

Ion Ratio Lower Upper

188 100

94 8.3 7.2 10.8

80 9.0 7.4 11.0



#65

4,6-Dinitro-2-methylphenol

Concen: 6.073 ng

RT: 10.657 min Scan# 1457

Delta R.T. 0.194 min

Lab File: BF136058.D

Acq: 31 Oct 2023 18:36

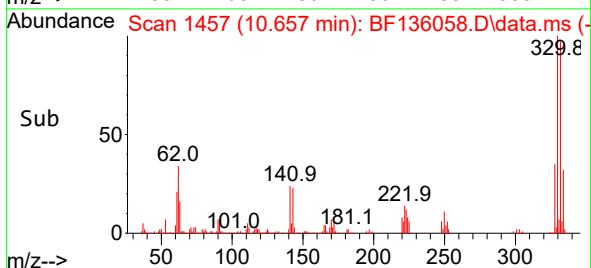
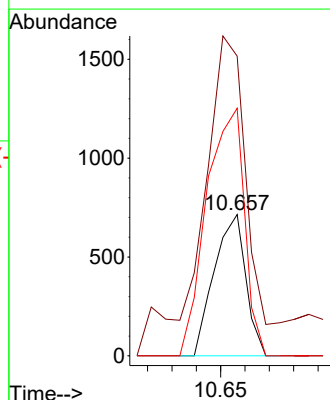
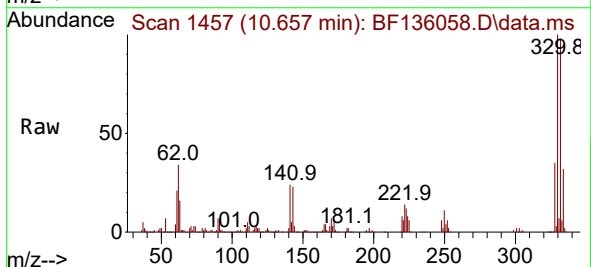
Tgt Ion:198 Resp: 644

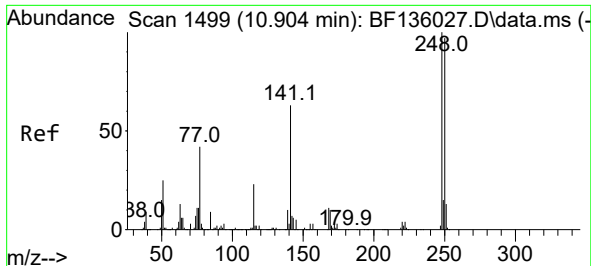
Ion Ratio Lower Upper

198 100

51 212.0 12.9 52.9#

105 175.1 16.0 56.0#

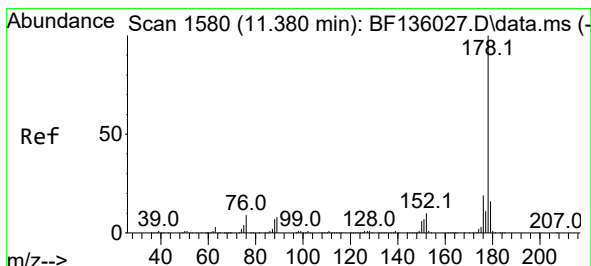
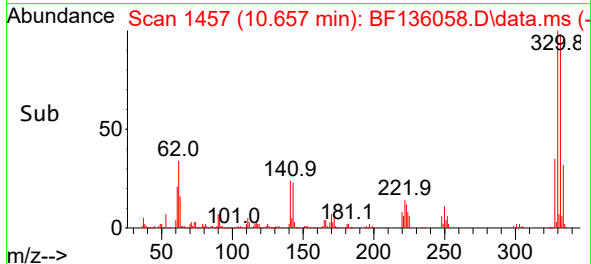
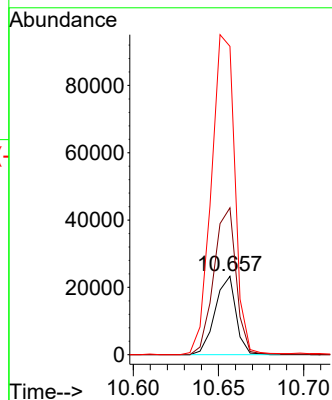
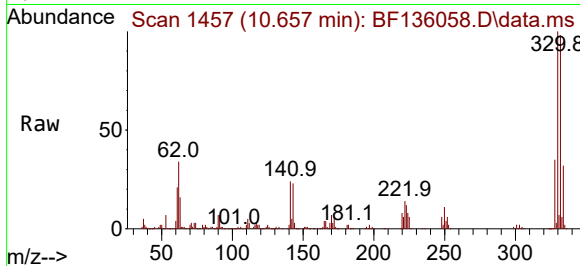




#67
4-Bromophenyl-phenylether
Concen: 5.218 ng
RT: 10.657 min Scan# 1499
Delta R.T. -0.247 min
Lab File: BF136058.D
Acq: 31 Oct 2023 18:36

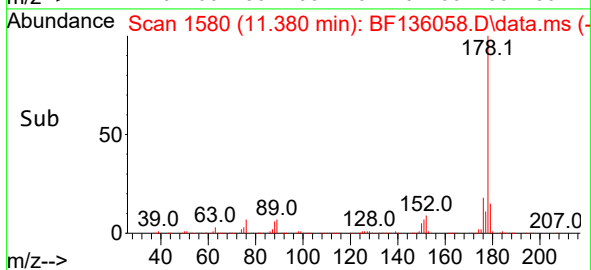
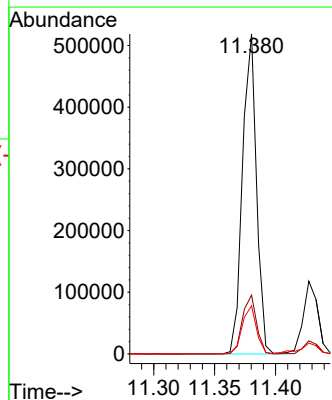
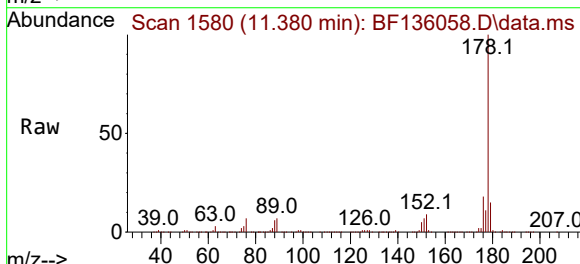
Instrument :
BNA_F
ClientSampleId :
TP-4

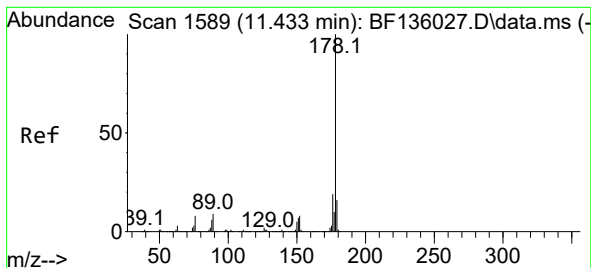
Tgt Ion:248 Resp: 19936
Ion Ratio Lower Upper
248 100
250 187.4 77.6 116.4#
141 393.4 50.4 75.6#



#71
Phenanthrene
Concen: 22.661 ng
RT: 11.380 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF136058.D
Acq: 31 Oct 2023 18:36

Tgt Ion:178 Resp: 415825
Ion Ratio Lower Upper
178 100
176 18.4 15.5 23.3
179 15.1 12.9 19.3





#72

Anthracene

Concen: 5.123 ng

RT: 11.427 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136058.D

Acq: 31 Oct 2023 18:36

Instrument :

BNA_F

ClientSampleId :

TP-4

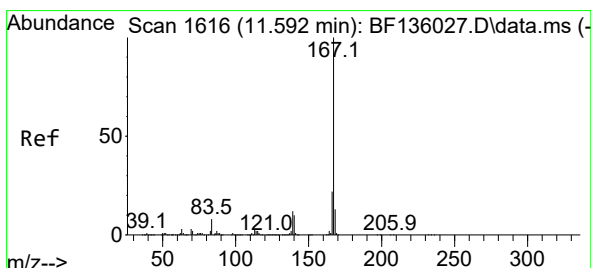
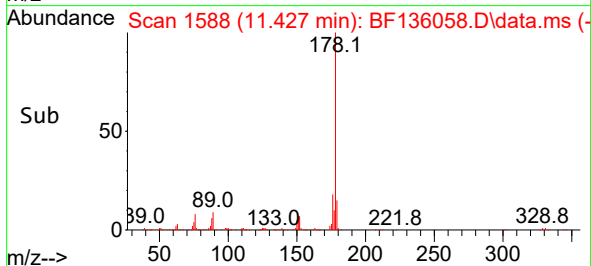
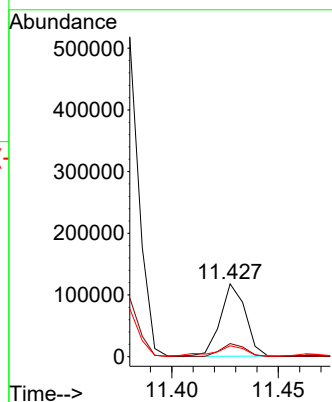
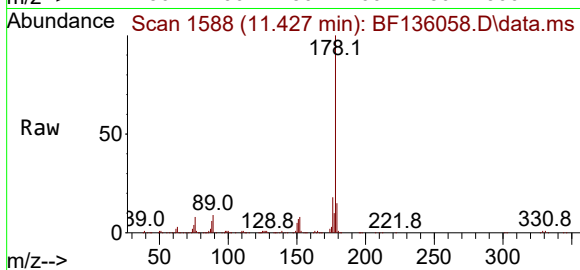
Tgt Ion:178 Resp: 96330

Ion Ratio Lower Upper

178 100

176 18.0 15.0 22.4

179 14.9 12.6 18.8



#73

Carbazole

Concen: 2.272 ng

RT: 11.586 min Scan# 1615

Delta R.T. -0.006 min

Lab File: BF136058.D

Acq: 31 Oct 2023 18:36

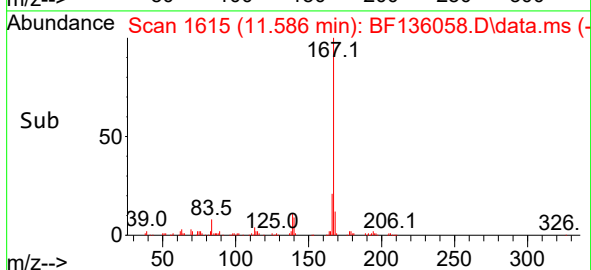
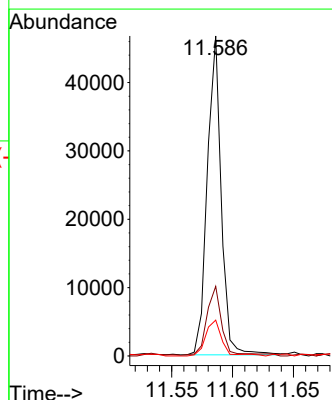
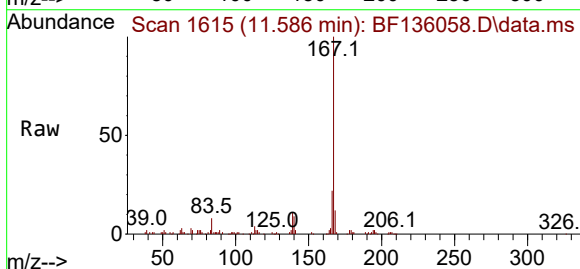
Tgt Ion:167 Resp: 37125

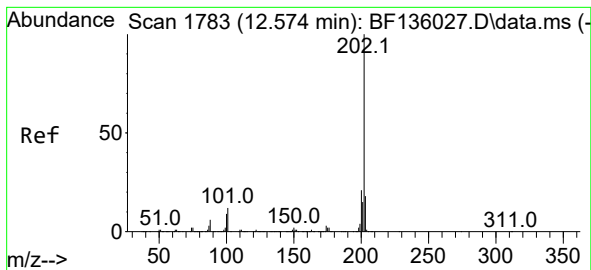
Ion Ratio Lower Upper

167 100

166 21.7 17.2 25.8

139 11.2 9.9 14.9





#75

Fluoranthene

Concen: 32.217 ng

RT: 12.574 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF136058.D

Acq: 31 Oct 2023 18:36

Instrument :

BNA_F

ClientSampleId :

TP-4

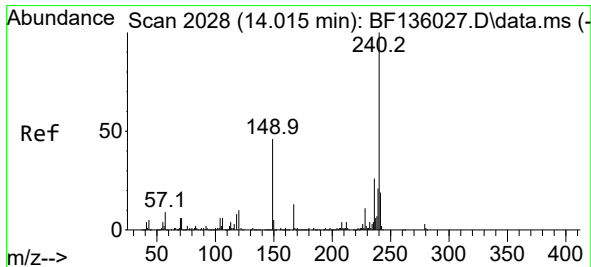
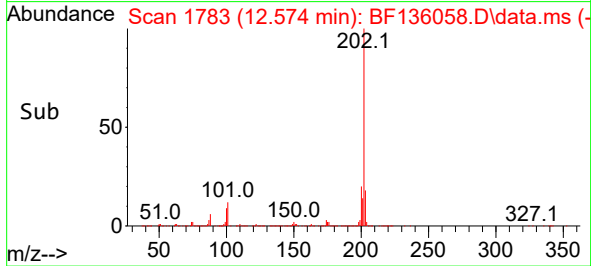
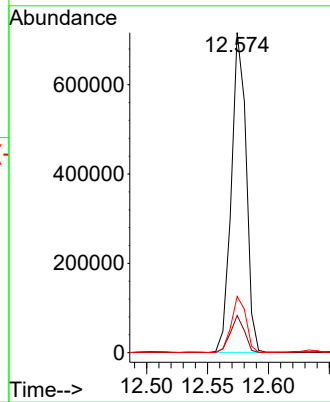
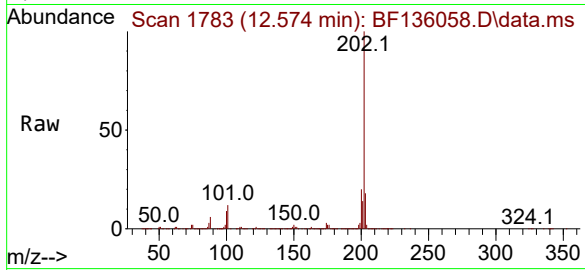
Tgt Ion:202 Resp: 607320

Ion Ratio Lower Upper

202 100

101 11.6 0.0 31.8

203 17.6 0.0 37.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.015 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF136058.D

Acq: 31 Oct 2023 18:36

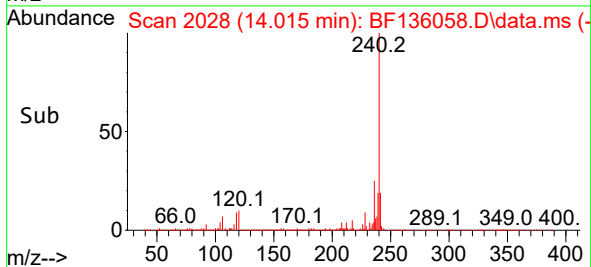
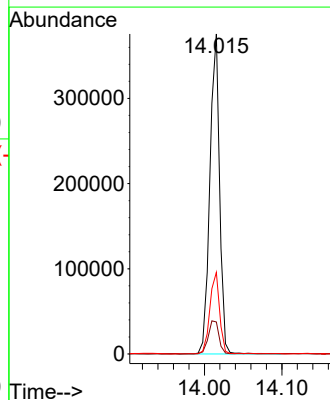
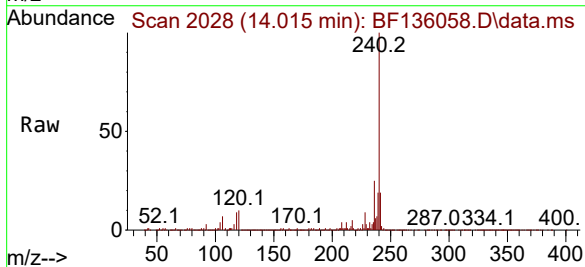
Tgt Ion:240 Resp: 326661

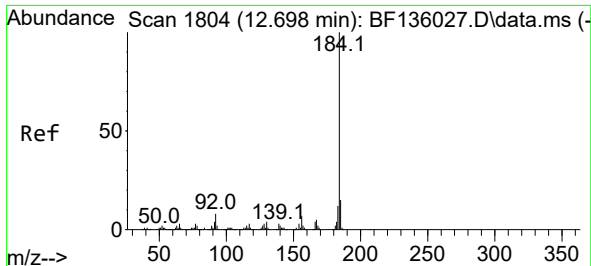
Ion Ratio Lower Upper

240 100

120 10.0 7.6 11.4

236 25.5 20.6 31.0

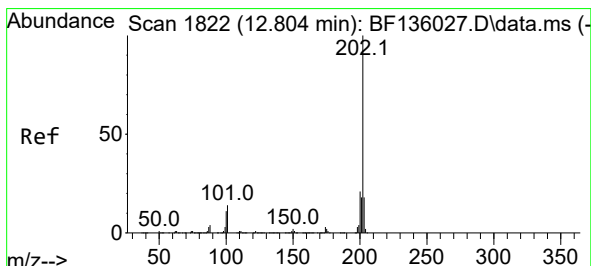
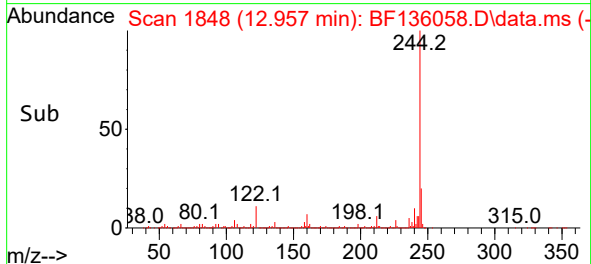
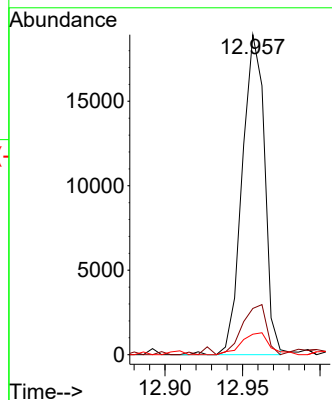
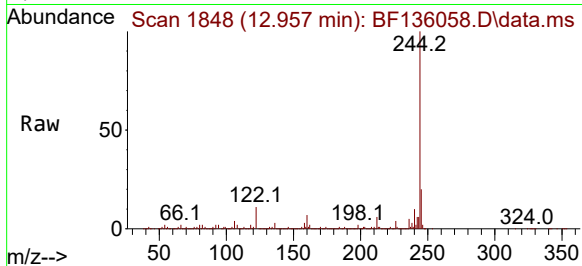




#77
Benzidine
Concen: 2.980 ng
RT: 12.957 min Scan# 1848
Delta R.T. 0.259 min
Lab File: BF136058.D
Acq: 31 Oct 2023 18:36

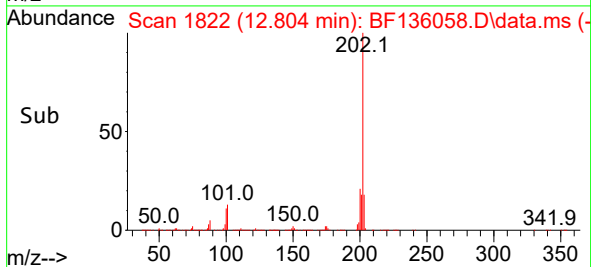
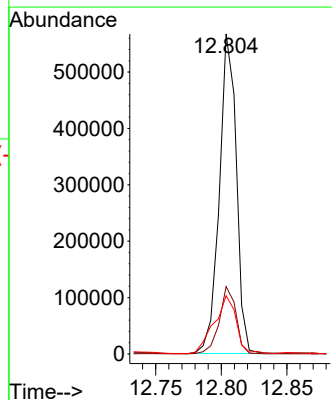
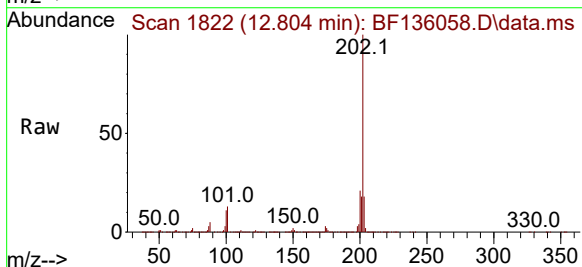
Instrument :
BNA_F
ClientSampleId :
TP-4

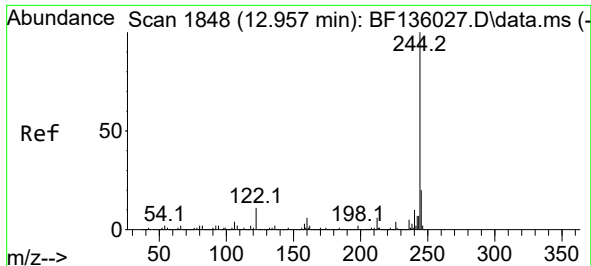
Tgt Ion:184 Resp: 18975
Ion Ratio Lower Upper
184 100
185 14.4 11.8 17.8
183 6.4 9.5 14.3#



#78
Pyrene
Concen: 17.657 ng
RT: 12.804 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF136058.D
Acq: 31 Oct 2023 18:36

Tgt Ion:202 Resp: 508521
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.4
203 18.2 14.4 21.6

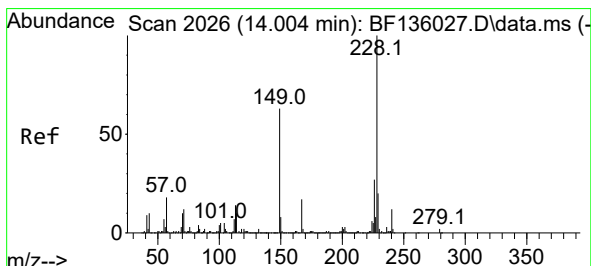
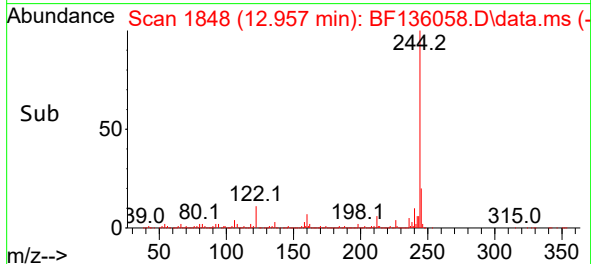
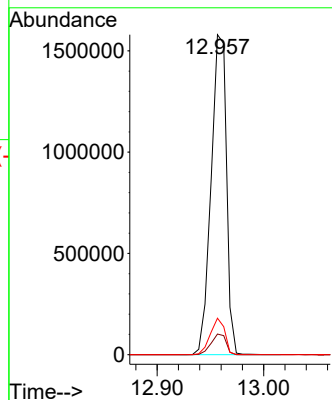
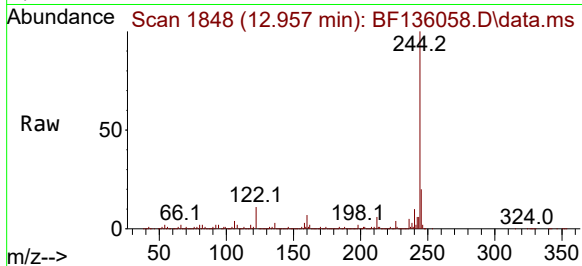




#79
 Terphenyl-d14
 Concen: 75.835 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. 0.000 min
 Lab File: BF136058.D
 Acq: 31 Oct 2023 18:36

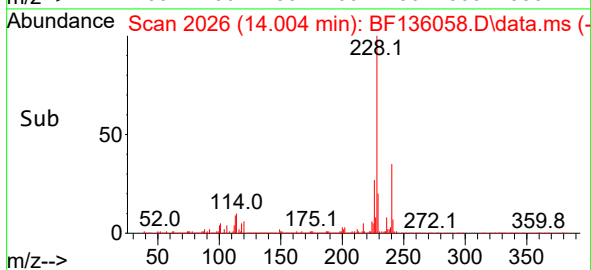
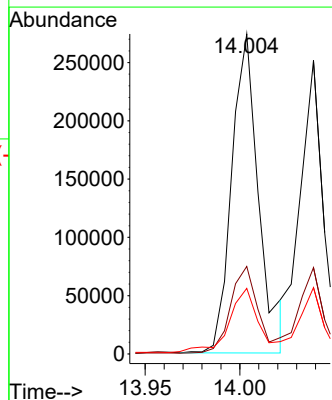
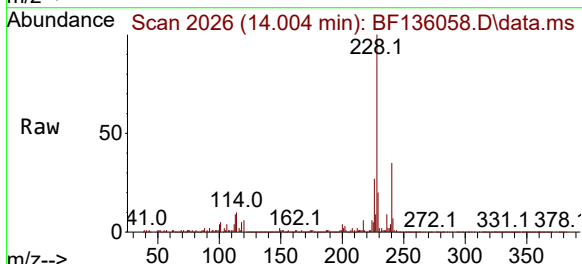
Instrument :
 BNA_F
 ClientSampleId :
 TP-4

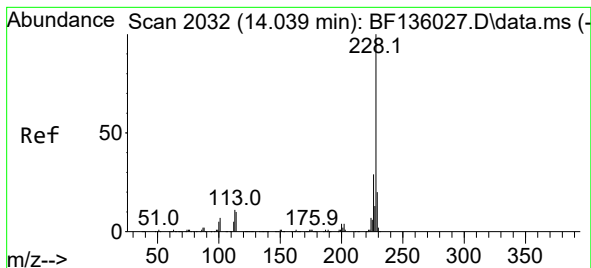
Tgt Ion:244 Resp: 1594062
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.1 7.7
 122 11.4 8.6 12.8



#81
 Benzo(a)anthracene
 Concen: 12.540 ng
 RT: 14.004 min Scan# 2026
 Delta R.T. 0.000 min
 Lab File: BF136058.D
 Acq: 31 Oct 2023 18:36

Tgt Ion:228 Resp: 271178
 Ion Ratio Lower Upper
 228 100
 226 27.4 21.5 32.3
 229 20.5 15.8 23.6





#83

Chrysene

Concen: 9.676 ng

RT: 14.039 min Scan# 2032

Delta R.T. 0.000 min

Lab File: BF136058.D

Acq: 31 Oct 2023 18:36

Instrument :

BNA_F

ClientSampleId :

TP-4

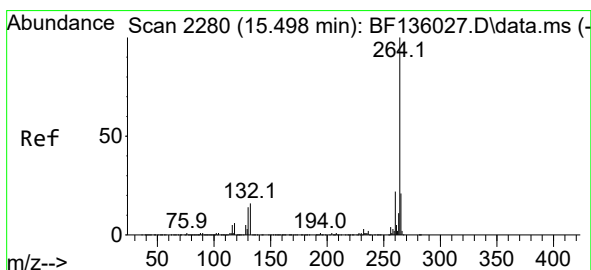
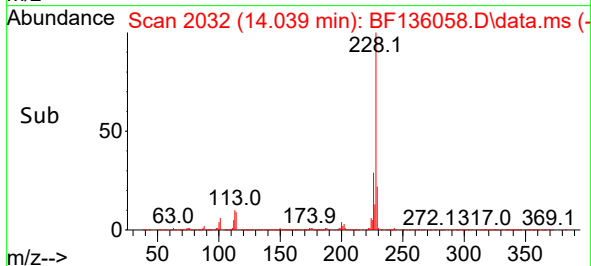
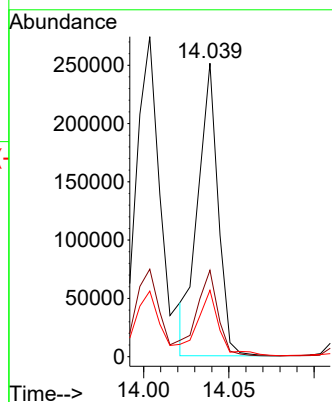
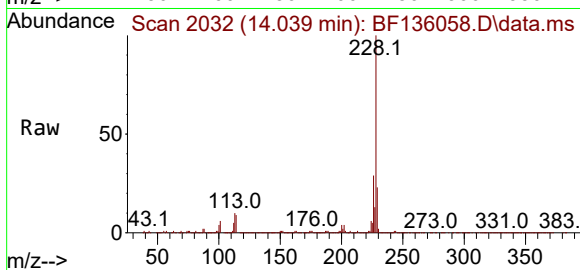
Tgt Ion:228 Resp: 206067

Ion Ratio Lower Upper

228 100

226 29.4 23.5 35.3

229 22.6 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2281

Delta R.T. 0.006 min

Lab File: BF136058.D

Acq: 31 Oct 2023 18:36

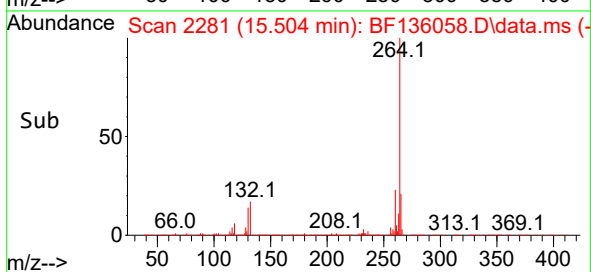
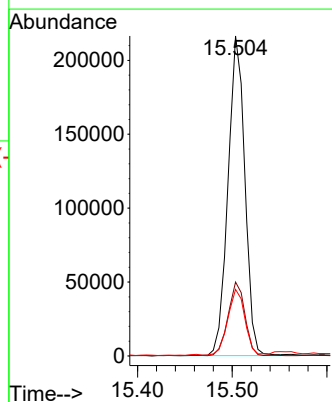
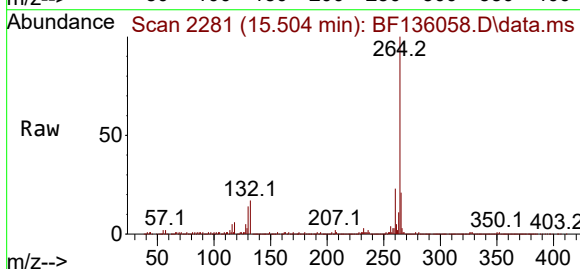
Tgt Ion:264 Resp: 267934

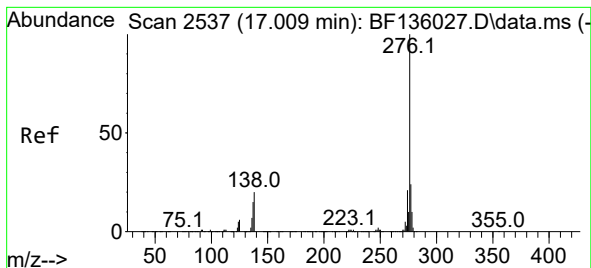
Ion Ratio Lower Upper

264 100

260 23.1 17.9 26.9

265 20.8 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.729 ng

RT: 17.009 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136058.D

Acq: 31 Oct 2023 18:36

Instrument :

BNA_F

ClientSampleId :

TP-4

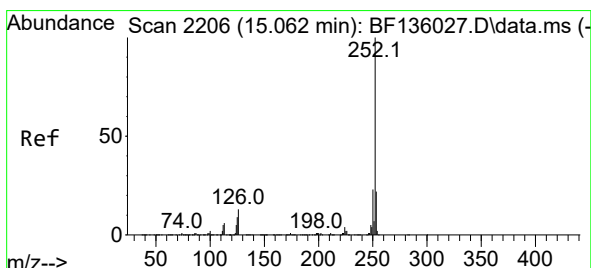
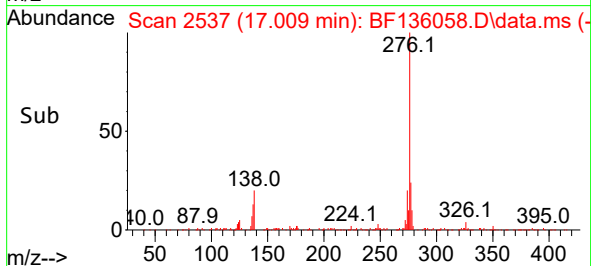
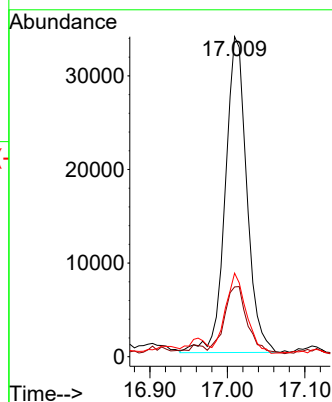
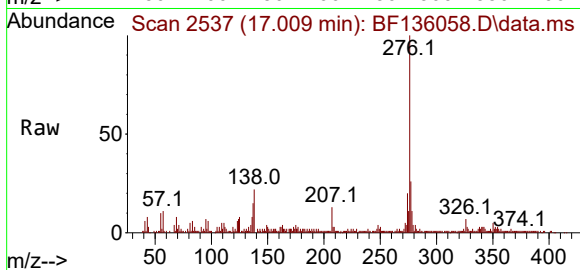
Tgt Ion:276 Resp: 65301

Ion Ratio Lower Upper

276 100

138 22.8 20.4 30.6

277 24.0 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 18.577 ng

RT: 15.068 min Scan# 2207

Delta R.T. 0.006 min

Lab File: BF136058.D

Acq: 31 Oct 2023 18:36

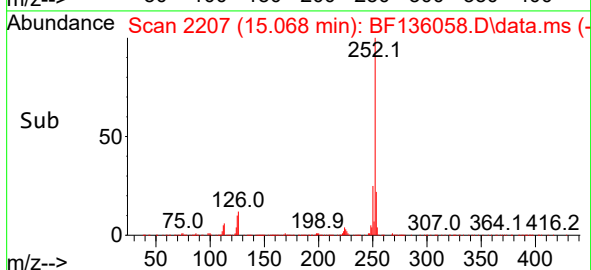
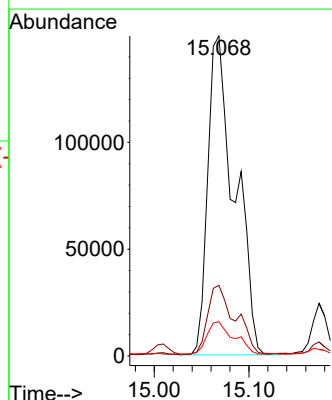
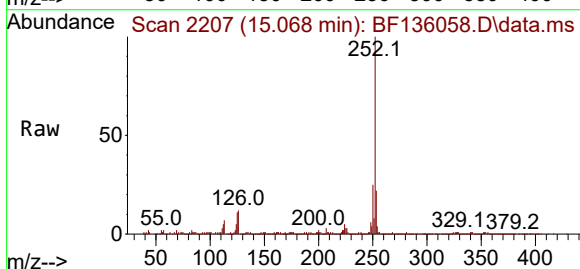
Tgt Ion:252 Resp: 294530

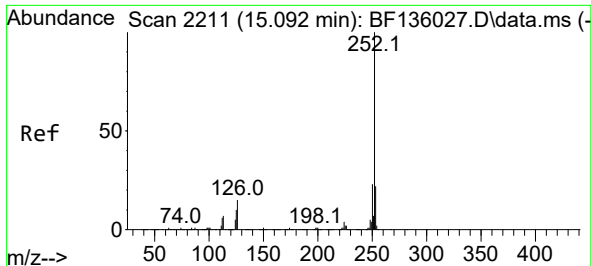
Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 10.7 7.5 11.3

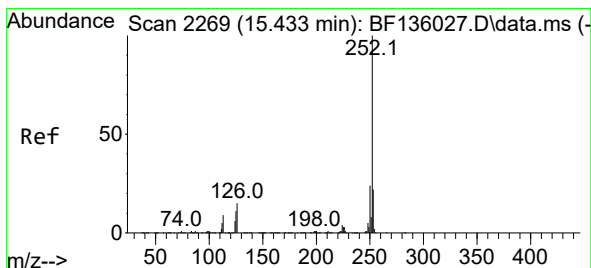
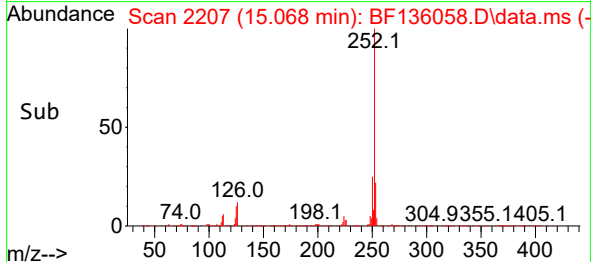
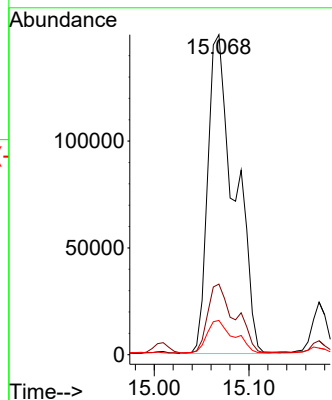
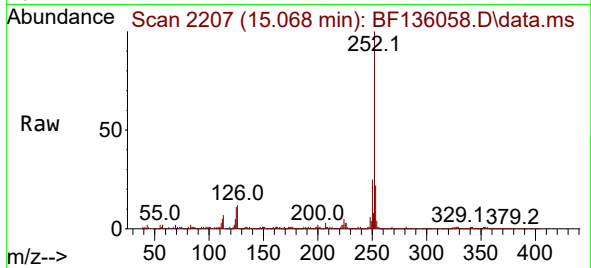




#89
Benzo(k)fluoranthene
Concen: 18.776 ng
RT: 15.068 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF136058.D
Acq: 31 Oct 2023 18:36

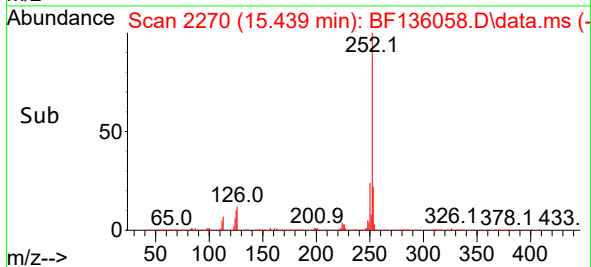
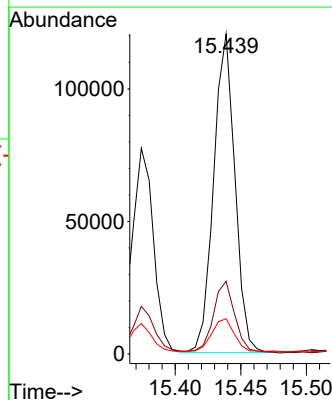
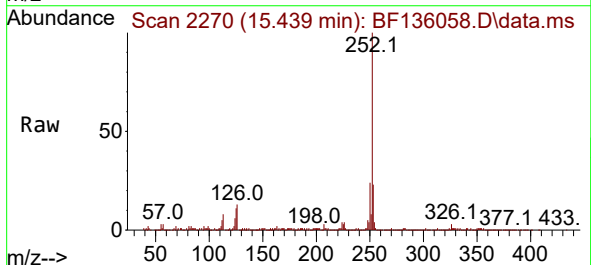
Instrument :
BNA_F
ClientSampleId :
TP-4

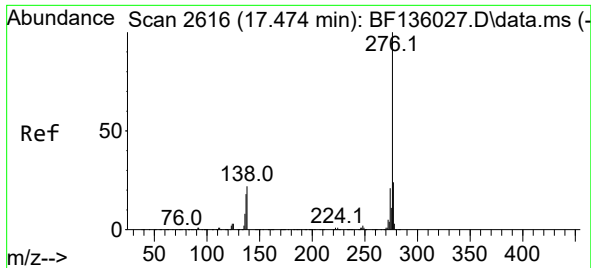
Tgt Ion:252 Resp: 294530
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.0
125 10.7 8.0 12.0



#90
Benzo(a)pyrene
Concen: 9.197 ng
RT: 15.439 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF136058.D
Acq: 31 Oct 2023 18:36

Tgt Ion:252 Resp: 135478
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 11.0 9.0 13.6





#92

Benzo(g,h,i)perylene

Concen: 6.184 ng

RT: 17.468 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136058.D

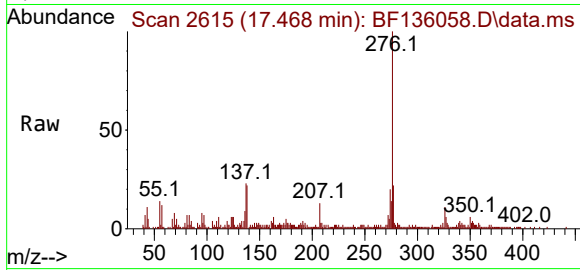
Acq: 31 Oct 2023 18:36

Instrument :

BNA_F

ClientSampleId :

TP-4



Tgt Ion:276 Resp: 57156

Ion Ratio Lower Upper

276 100

277 22.4 19.0 28.4

138 21.9 17.4 26.2

