

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
 Data File : BF136078.D
 Acq On : 01 Nov 2023 15:56
 Operator : CG\JU
 Sample : 04805-04DL 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 H-1(0-5)DL

Quant Time: Nov 01 22:40:39 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)

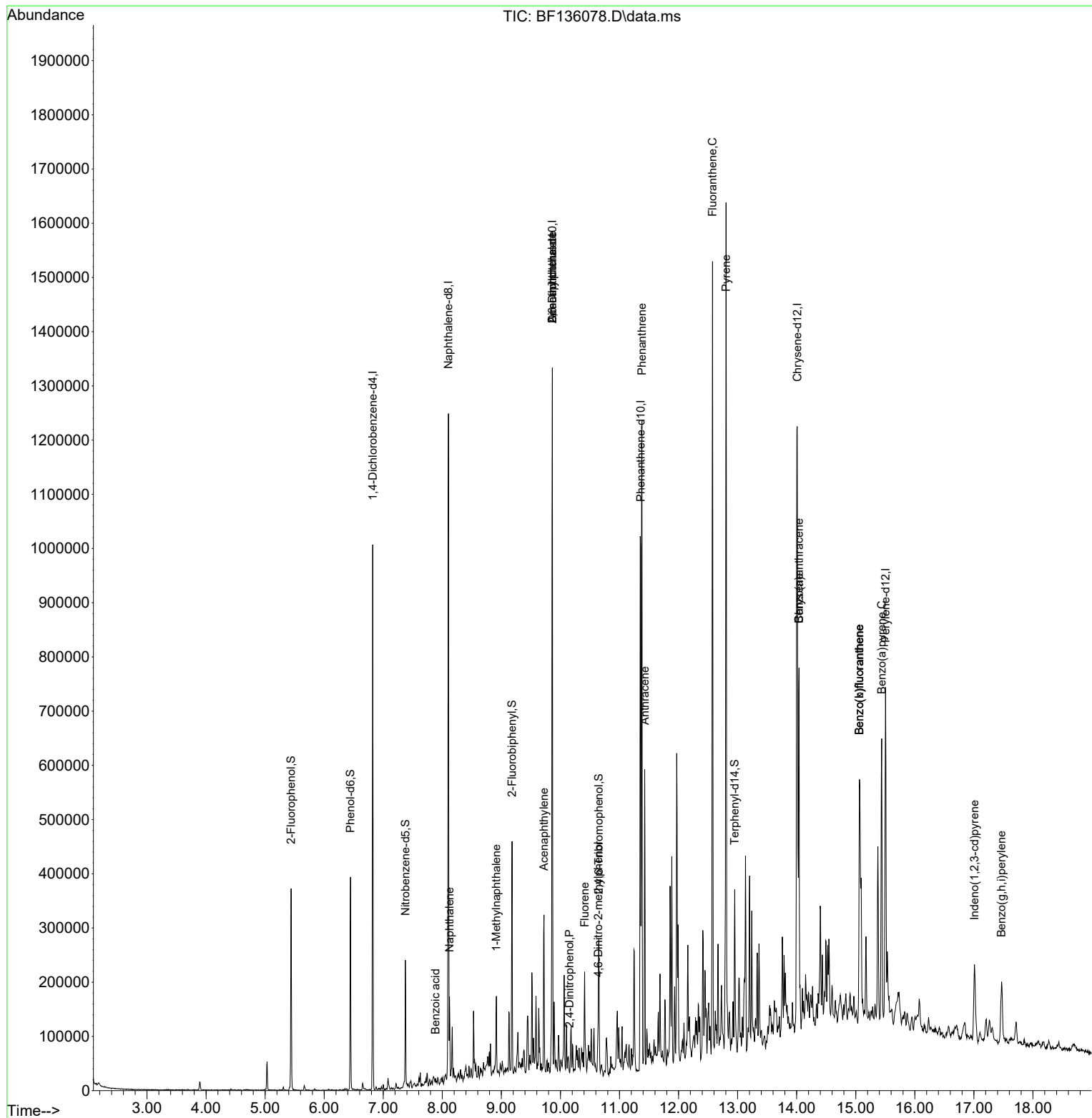
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	129429	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	499235	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	245474	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	384227	20.000	ng	0.00
76) Chrysene-d12	14.010	240	257093	20.000	ng	# 0.00
86) Perylene-d12	15.504	264	282147	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	90520	10.990	ng	-0.01
7) Phenol-d6	6.445	99	115063	11.212	ng	-0.01
23) Nitrobenzene-d5	7.375	82	61067	7.374	ng	-0.02
42) 2,4,6-Tribromophenol	10.651	330	23683	9.039	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	113564	7.375	ng	0.00
79) Terphenyl-d14	12.951	244	88003	5.319	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.122	128	54022	2.244	ng	98
32) Benzoic acid	7.887	122	297	5.160	ng	# 17
38) 1-Methylnaphthalene	8.916	142	31877	2.122	ng	99
49) Acenaphthylene	9.722	152	94415	4.387	ng	99
50) Dimethylphthalate	9.863	163	50053	3.091	ng	# 1
51) 2,6-Dinitrotoluene	9.863	165	35631	10.289	ng	# 28
54) 2,4-Dinitrophenol	10.151	184	168	8.058	ng	# 89
58) Fluorene	10.410	166	43787	2.932	ng	99
65) 4,6-Dinitro-2-methylph...	10.639	198	79	5.824	ng	# 1
71) Phenanthrene	11.380	178	457868	23.667	ng	98
72) Anthracene	11.427	178	187665	9.467	ng	99
75) Fluoranthene	12.574	202	540532	27.198	ng	99
78) Pyrene	12.804	202	602008	26.559	ng	99
81) Benzo(a)anthracene	14.039	228	277085	16.280	ng	97
83) Chrysene	14.039	228	277085	16.531	ng	99
87) Indeno(1,2,3-cd)pyrene	17.009	276	98174	5.324	ng	95
88) Benzo(b)fluoranthene	15.063	252	388302	23.258	ng	98
89) Benzo(k)fluoranthene	15.063	252	388302	23.506	ng	98
90) Benzo(a)pyrene	15.439	252	251239	16.196	ng	98
92) Benzo(g,h,i)perylene	17.468	276	89435	7.782	ng	98

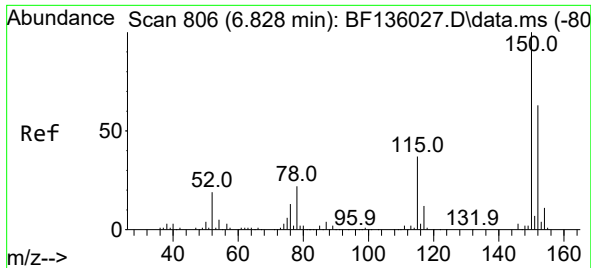
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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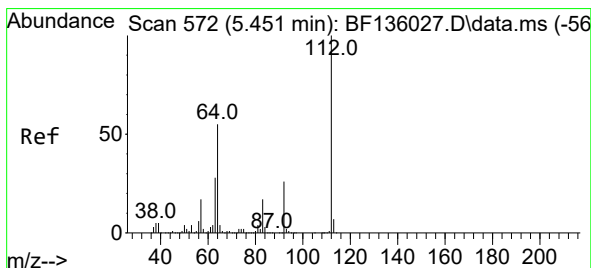
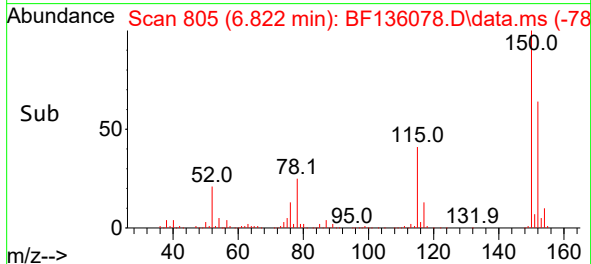
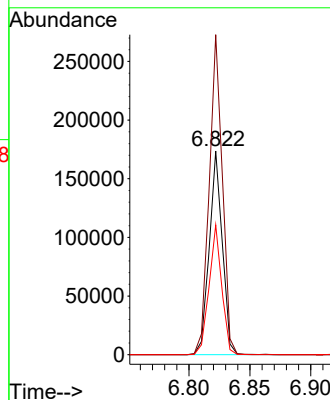
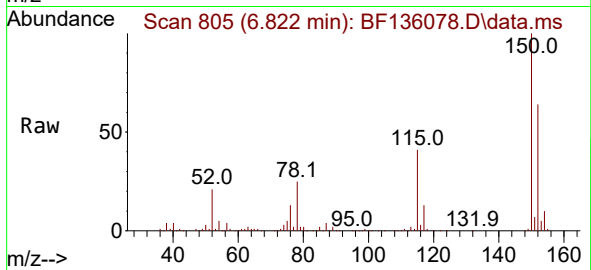




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.822 min Scan# 806
 Delta R.T. -0.006 min
 Lab File: BF136078.D
 Acq: 01 Nov 2023 15:56

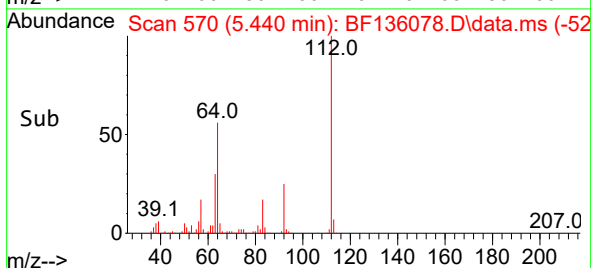
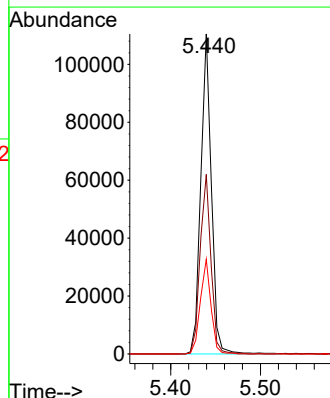
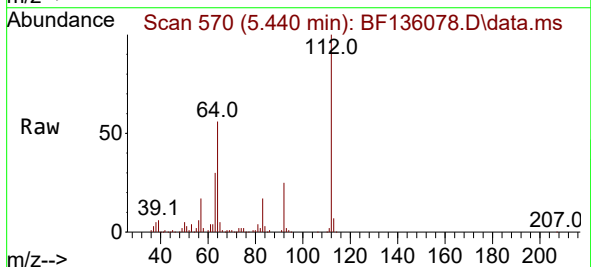
Instrument :
 BNA_F
 ClientSampleId :
 H-1(0-5)DL

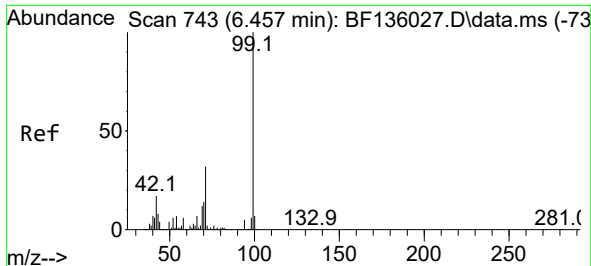
Tgt Ion:152 Resp: 129429
 Ion Ratio Lower Upper
 152 100
 150 157.1 126.4 189.6
 115 63.7 47.0 70.4



#5
 2-Fluorophenol
 Concen: 10.990 ng
 RT: 5.440 min Scan# 570
 Delta R.T. -0.012 min
 Lab File: BF136078.D
 Acq: 01 Nov 2023 15:56

Tgt Ion:112 Resp: 90520
 Ion Ratio Lower Upper
 112 100
 64 56.1 43.9 65.9
 63 29.6 22.4 33.6





#7

Phenol-d6

Concen: 11.212 ng

RT: 6.445 min Scan# 74

Delta R.T. -0.012 min

Lab File: BF136078.D

Acq: 01 Nov 2023 15:56

Instrument :

BNA_F

ClientSampleId :

H-1(0-5)DL

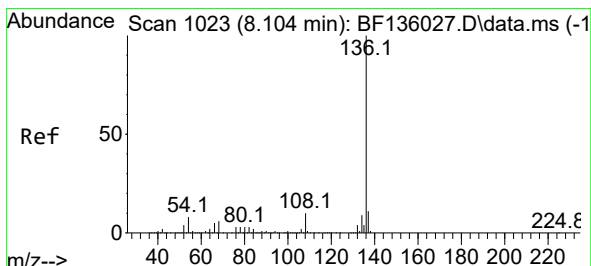
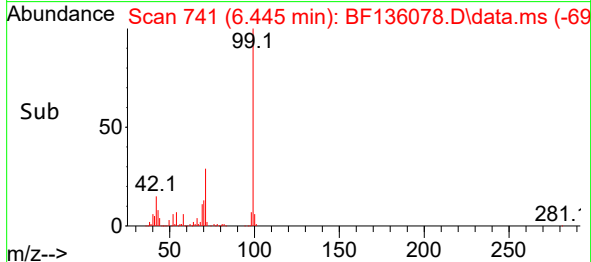
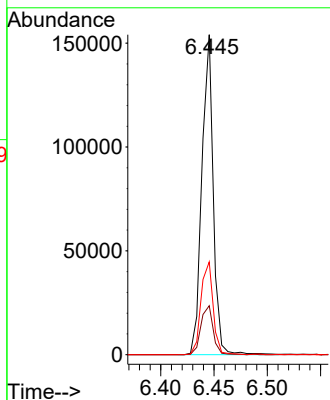
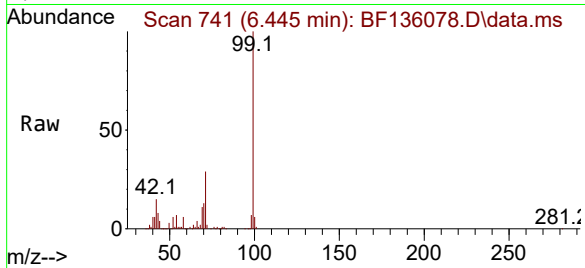
Tgt Ion: 99 Resp: 115063

Ion Ratio Lower Upper

99 100

42 15.3 13.7 20.5

71 29.0 25.9 38.9



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.104 min Scan# 1023

Delta R.T. 0.000 min

Lab File: BF136078.D

Acq: 01 Nov 2023 15:56

Tgt Ion:136 Resp: 499235

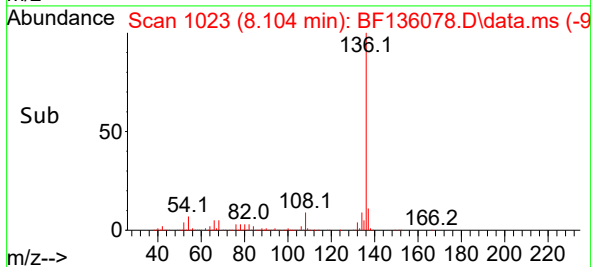
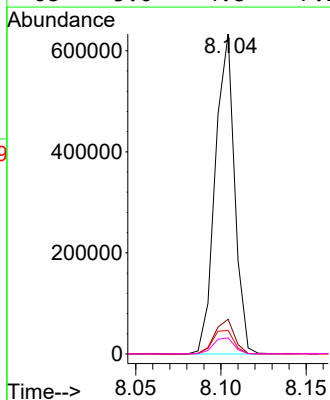
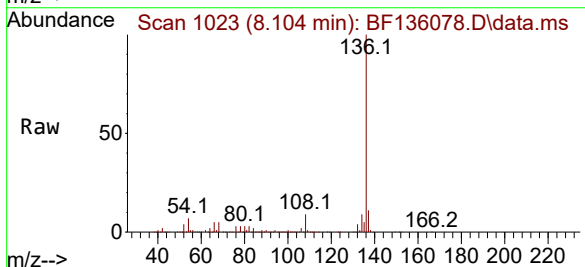
Ion Ratio Lower Upper

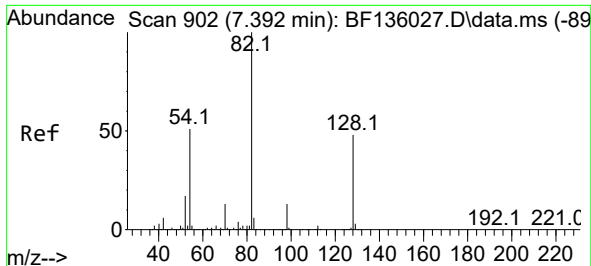
136 100

137 10.8 8.6 13.0

54 7.3 6.6 9.8

68 5.0 4.8 7.2





#23

Nitrobenzene-d5

Concen: 7.374 ng

RT: 7.375 min Scan# 89

Delta R.T. -0.017 min

Lab File: BF136078.D

Acq: 01 Nov 2023 15:56

Instrument :

BNA_F

ClientSampleId :

H-1(0-5)DL

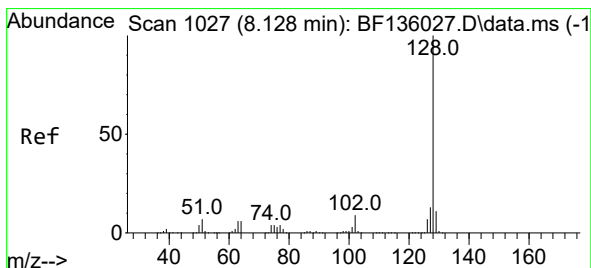
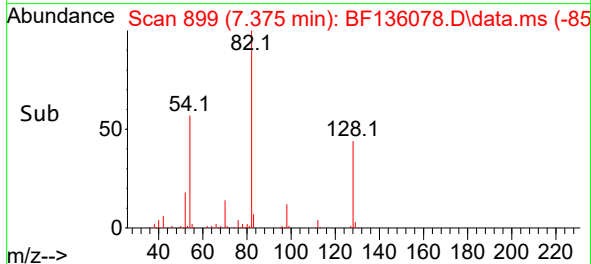
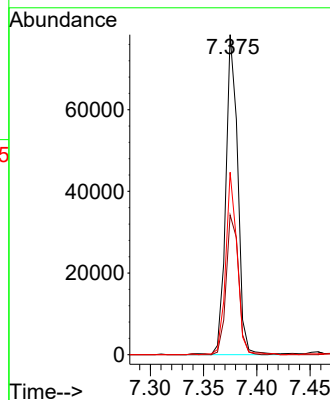
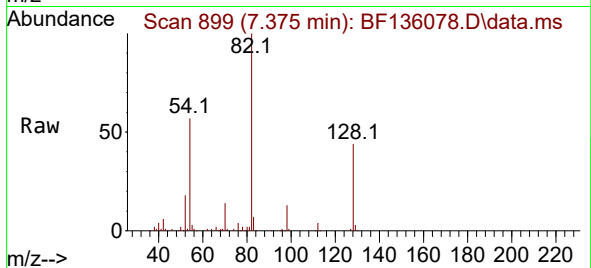
Tgt Ion: 82 Resp: 61067

Ion Ratio Lower Upper

82 100

128 43.6 38.6 57.8

54 57.0 40.8 61.2



#31

Naphthalene

Concen: 2.244 ng

RT: 8.122 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF136078.D

Acq: 01 Nov 2023 15:56

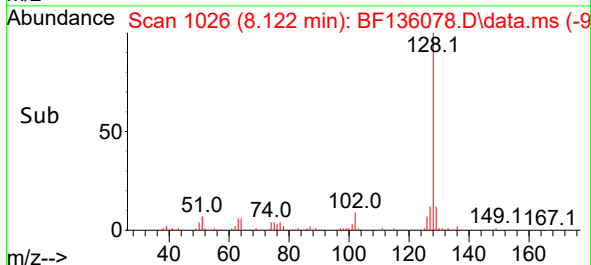
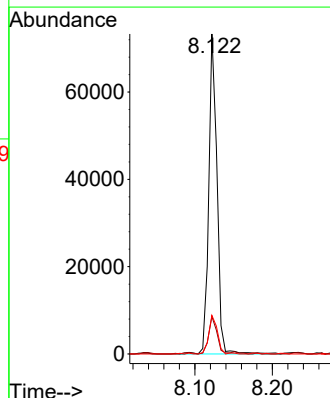
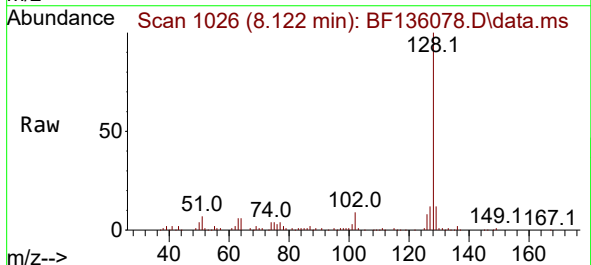
Tgt Ion: 128 Resp: 54022

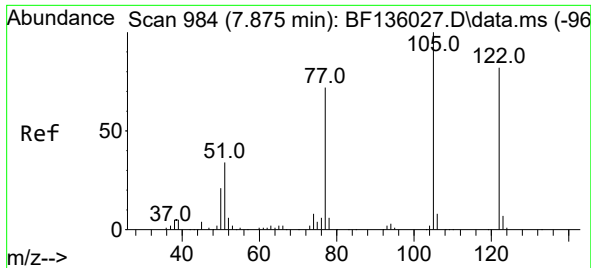
Ion Ratio Lower Upper

128 100

129 11.7 8.9 13.3

127 12.1 10.5 15.7

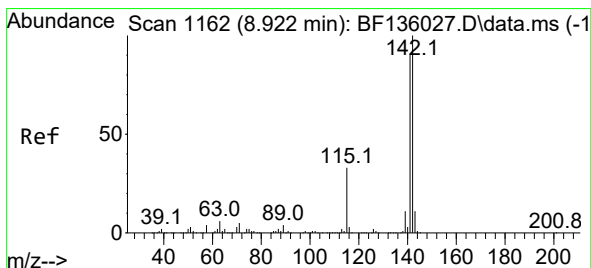
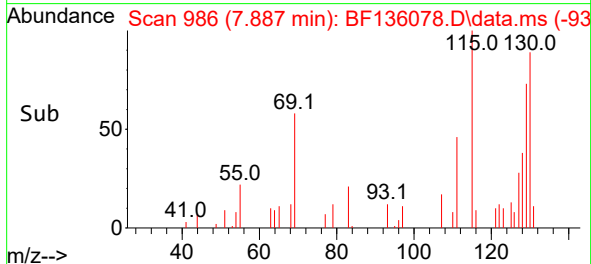
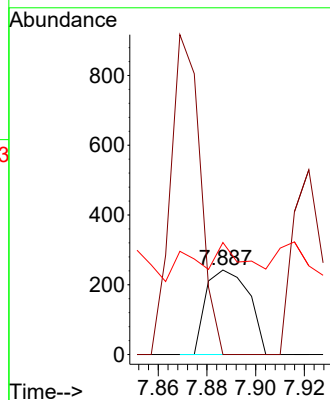
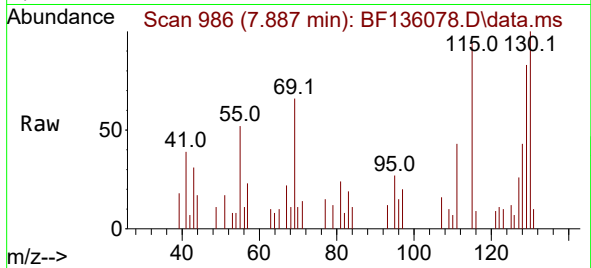




#32
Benzoic acid
Concen: 5.160 ng
RT: 7.887 min Scan# 91
Delta R.T. 0.012 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56

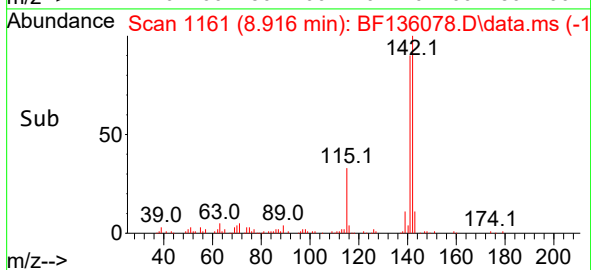
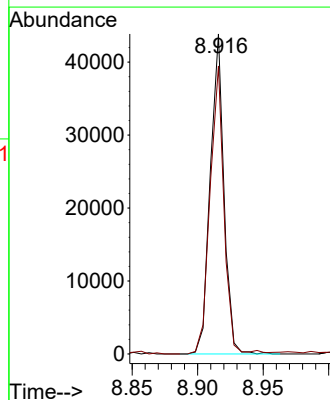
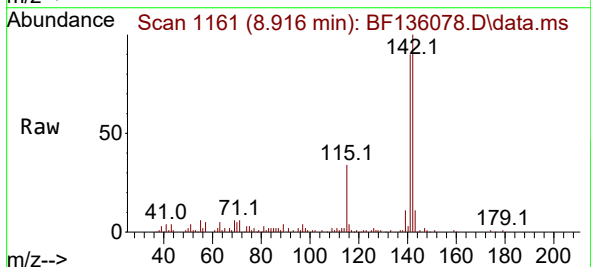
Instrument :
BNA_F
ClientSampleId :
H-1(0-5)DL

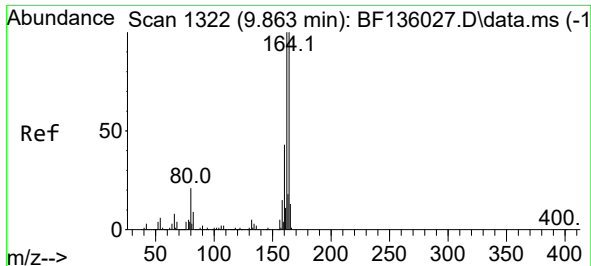
Tgt Ion:122 Resp: 297
Ion Ratio Lower Upper
122 100
105 0.0 99.5 139.5#
77 132.6 66.8 106.8#



#38
1-Methylnaphthalene
Concen: 2.122 ng
RT: 8.916 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56

Tgt Ion:142 Resp: 31877
Ion Ratio Lower Upper
142 100
141 90.0 72.6 109.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF136078.D

Acq: 01 Nov 2023 15:56

Instrument :

BNA_F

ClientSampleId :

H-1(0-5)DL

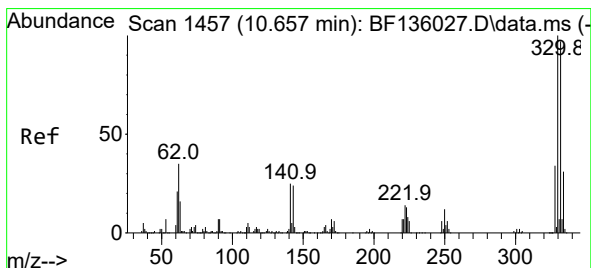
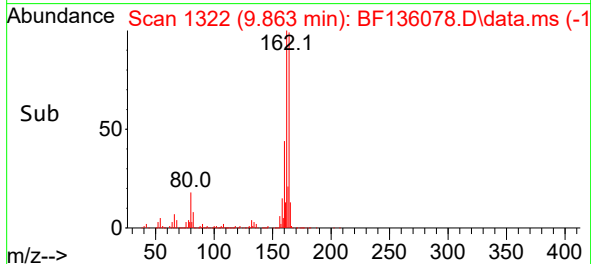
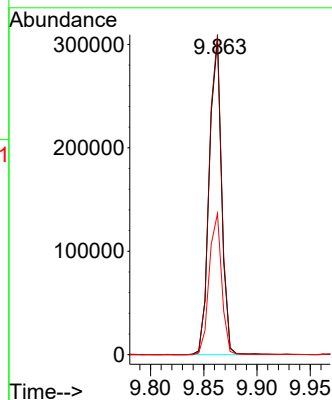
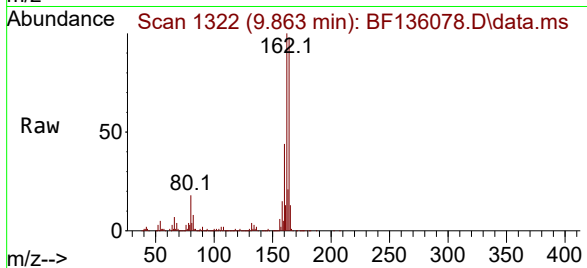
Tgt Ion:164 Resp: 245474

Ion Ratio Lower Upper

164 100

162 101.6 80.1 120.1

160 44.8 34.8 52.2



#42

2,4,6-Tribromophenol

Concen: 9.039 ng

RT: 10.651 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF136078.D

Acq: 01 Nov 2023 15:56

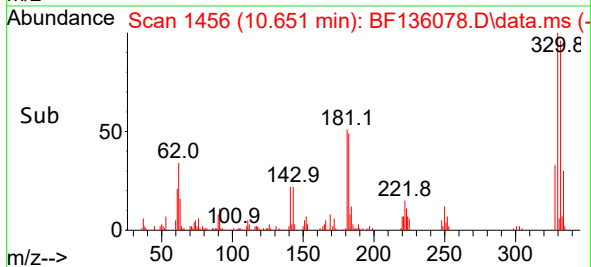
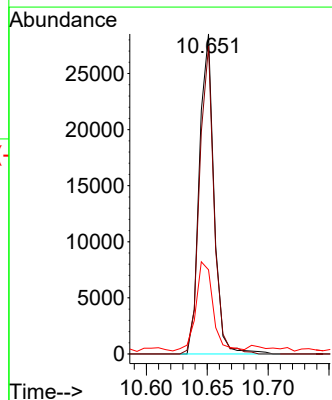
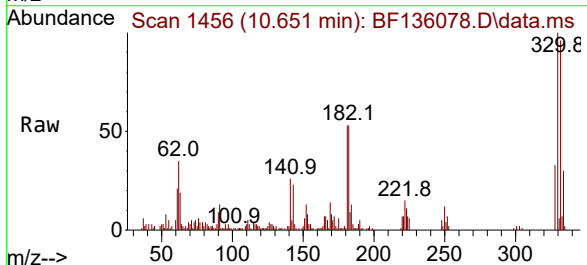
Tgt Ion:330 Resp: 23683

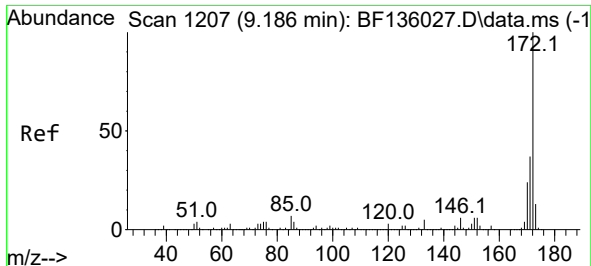
Ion Ratio Lower Upper

330 100

332 95.1 76.9 115.3

141 32.7 23.2 34.8

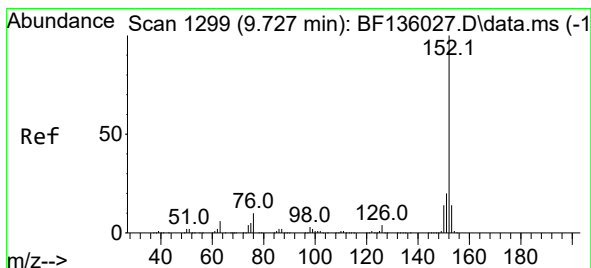
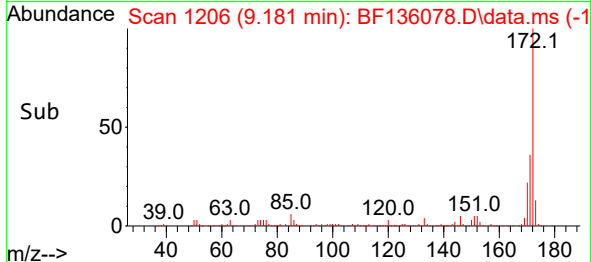
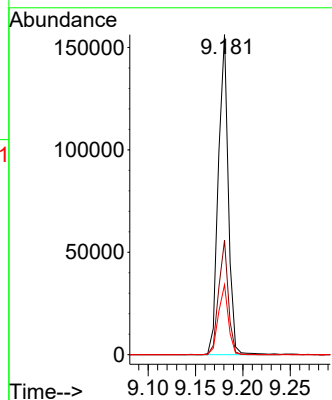
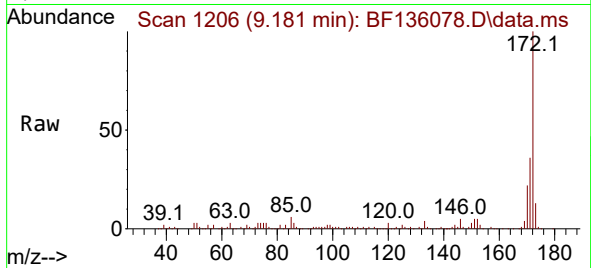




#45
2-Fluorobiphenyl
Concen: 7.375 ng
RT: 9.181 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56

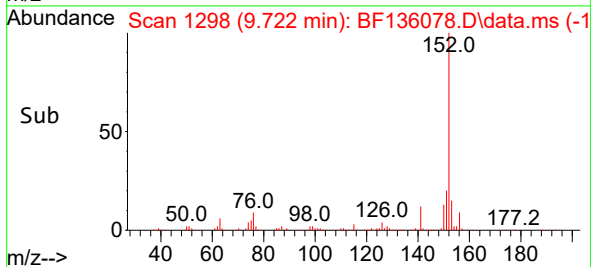
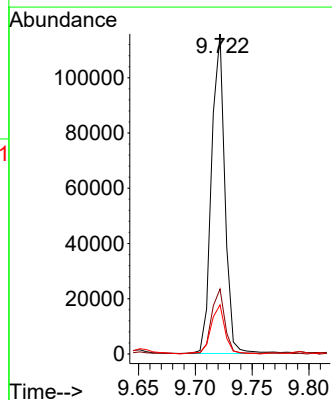
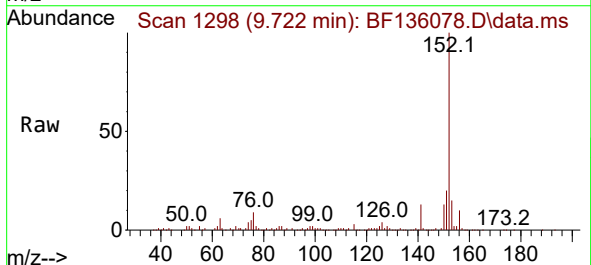
Instrument :
BNA_F
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H-1(0-5)DL

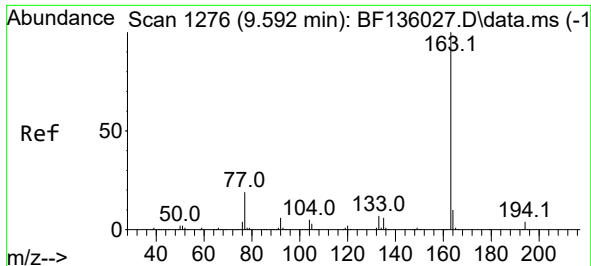
Tgt Ion:172 Resp: 113564
Ion Ratio Lower Upper
172 100
171 35.7 29.4 44.0
170 21.8 19.3 28.9



#49
Acenaphthylene
Concen: 4.387 ng
RT: 9.722 min Scan# 1298
Delta R.T. -0.006 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56

Tgt Ion:152 Resp: 94415
Ion Ratio Lower Upper
152 100
151 20.3 16.1 24.1
153 15.3 11.4 17.2

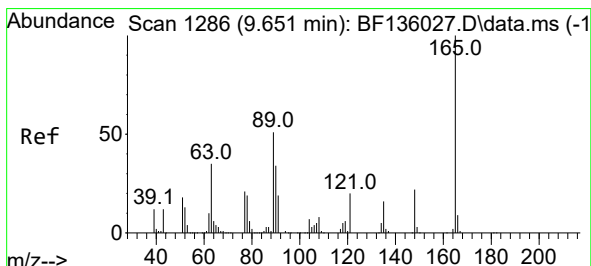
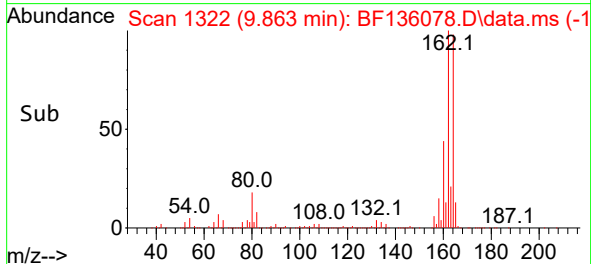
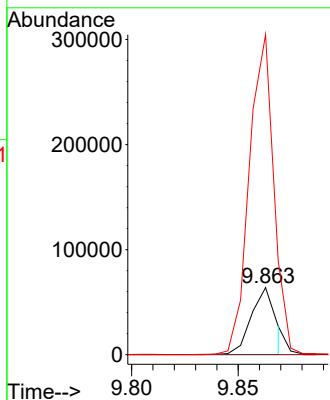
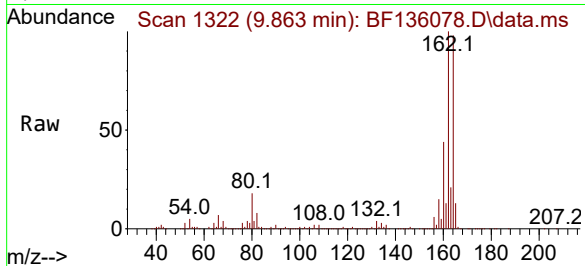




#50
Dimethylphthalate
Concen: 3.091 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.271 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56

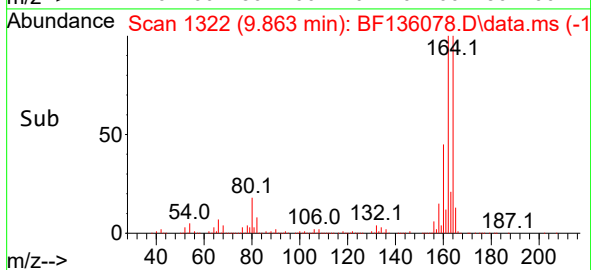
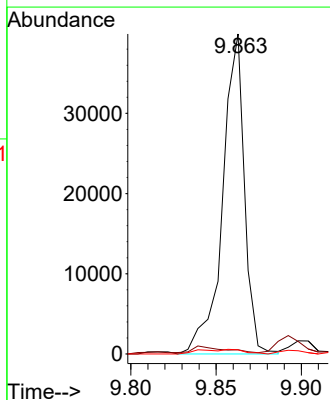
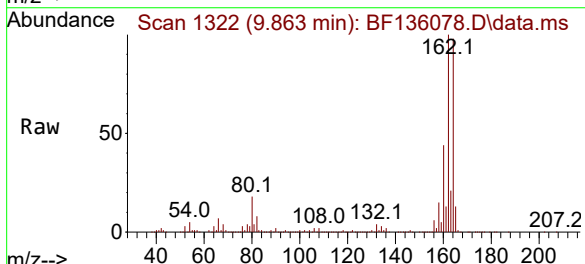
Instrument :
BNA_F
ClientSampleId :
H-1(0-5)DL

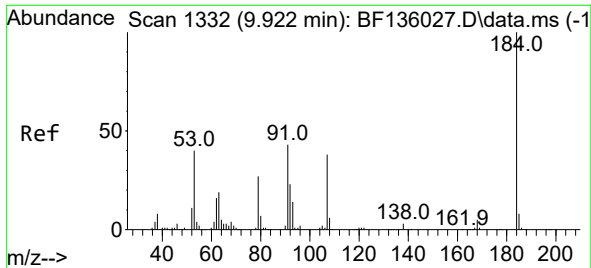
Tgt Ion:163 Resp: 50053
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 477.5 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 10.289 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.212 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56

Tgt Ion:165 Resp: 35631
Ion Ratio Lower Upper
165 100
63 1.3 40.8 61.2#
89 1.3 41.1 61.7#

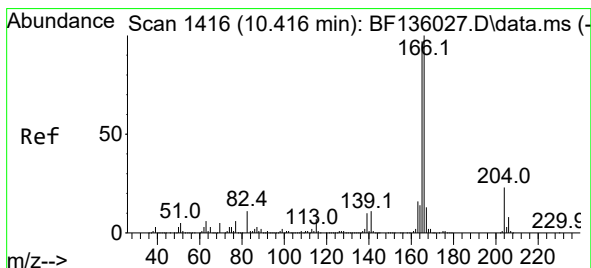
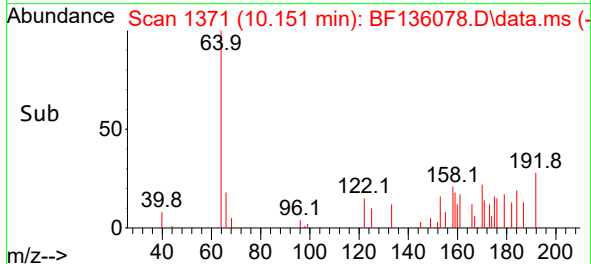
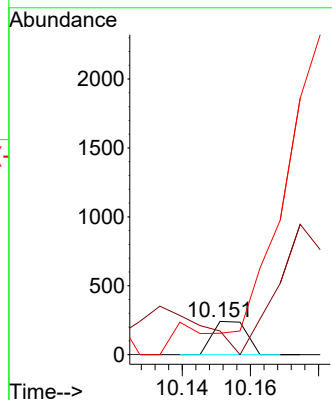
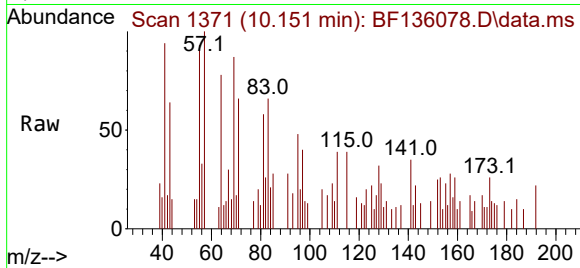




#54
2,4-Dinitrophenol
Concen: 8.058 ng
RT: 10.151 min Scan# 11
Delta R.T. 0.229 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56

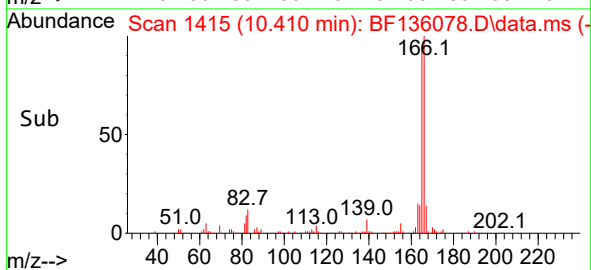
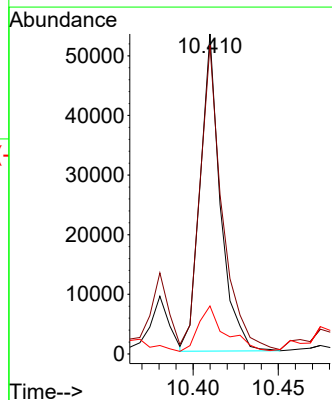
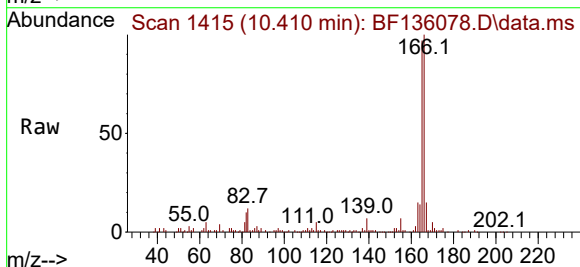
Instrument :
BNA_F
ClientSampleId :
H-1(0-5)DL

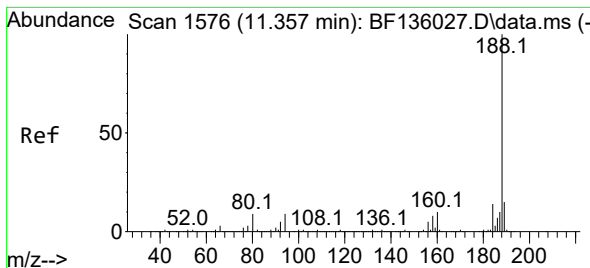
Tgt Ion:184 Resp: 168
Ion Ratio Lower Upper
184 100
63 71.0 43.7 65.5#
154 64.3 51.2 76.8



#58
Fluorene
Concen: 2.932 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56

Tgt Ion:166 Resp: 43787
Ion Ratio Lower Upper
166 100
165 96.6 77.7 116.5
167 15.0 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: BF136078.D

Acq: 01 Nov 2023 15:56

Instrument :

BNA_F

ClientSampleId :

H-1(0-5)DL

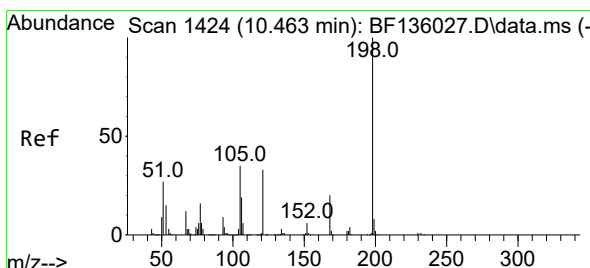
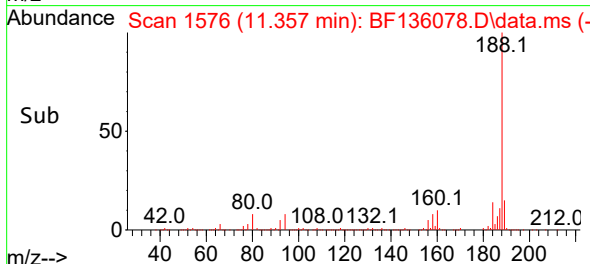
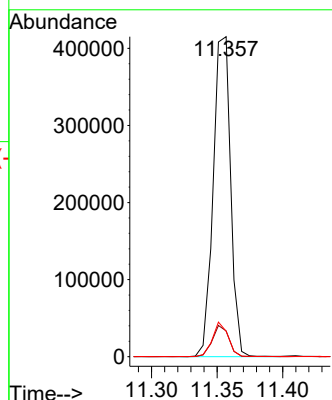
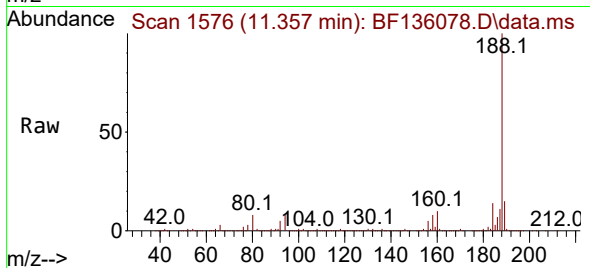
Tgt Ion:188 Resp: 384227

Ion Ratio Lower Upper

188 100

94 8.0 7.2 10.8

80 7.9 7.4 11.0



#65

4,6-Dinitro-2-methylphenol

Concen: 5.824 ng

RT: 10.639 min Scan# 1454

Delta R.T. 0.176 min

Lab File: BF136078.D

Acq: 01 Nov 2023 15:56

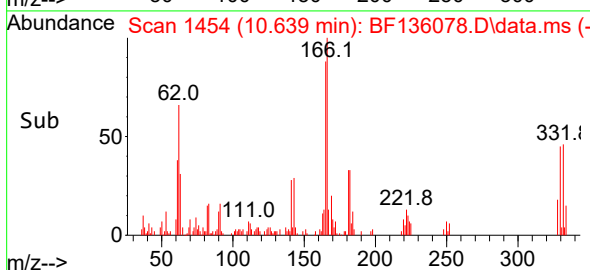
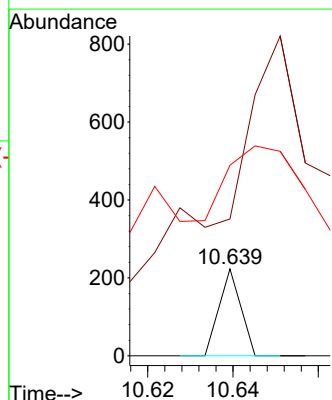
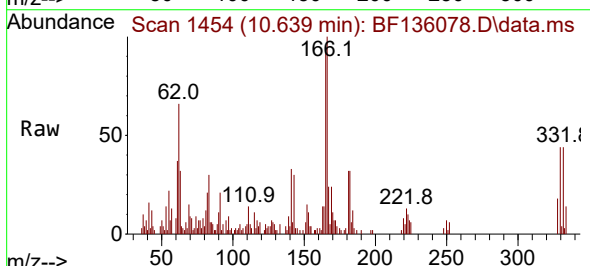
Tgt Ion:198 Resp: 79

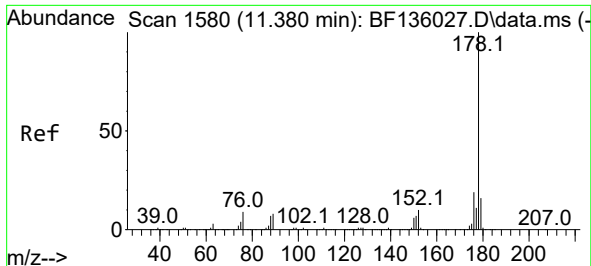
Ion Ratio Lower Upper

198 100

51 157.4 12.9 52.9#

105 219.3 16.0 56.0#

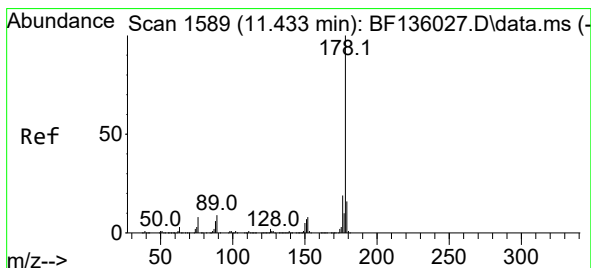
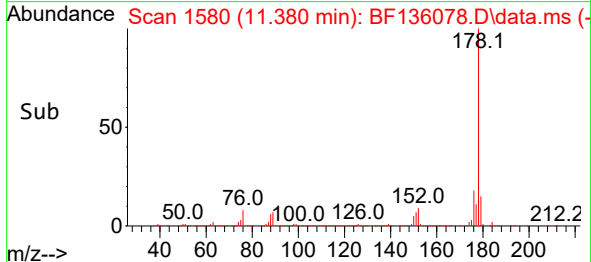
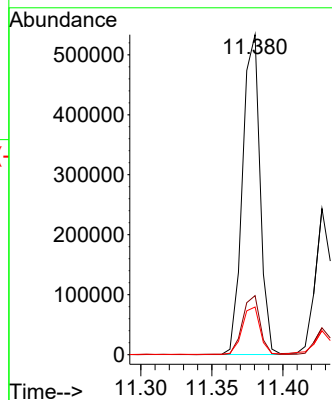
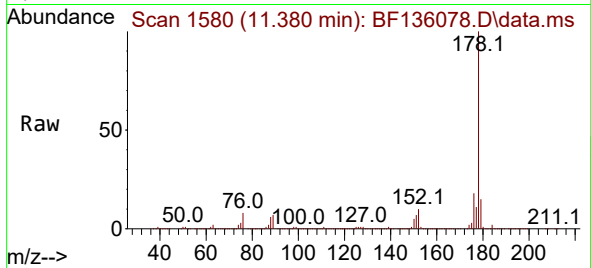




#71
Phenanthrene
Concen: 23.667 ng
RT: 11.380 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56

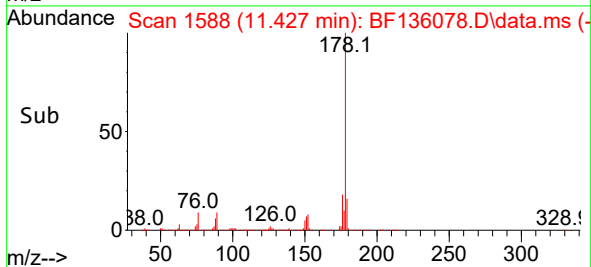
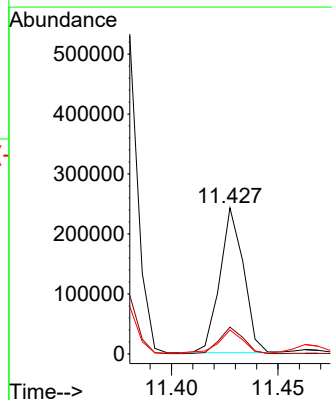
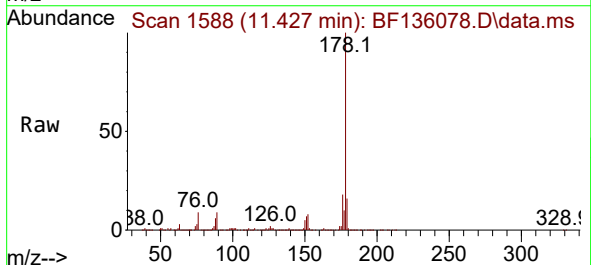
Instrument :
BNA_F
ClientSampleId :
H-1(0-5)DL

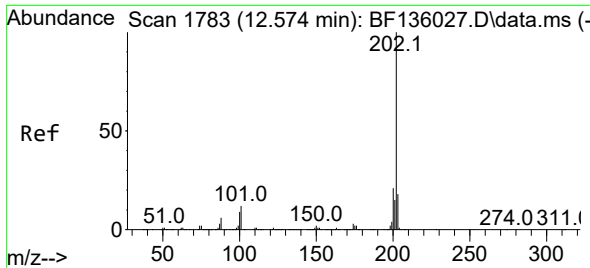
Tgt Ion:178 Resp: 457868
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 14.9 12.9 19.3



#72
Anthracene
Concen: 9.467 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56

Tgt Ion:178 Resp: 187665
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.4
179 16.5 12.6 18.8

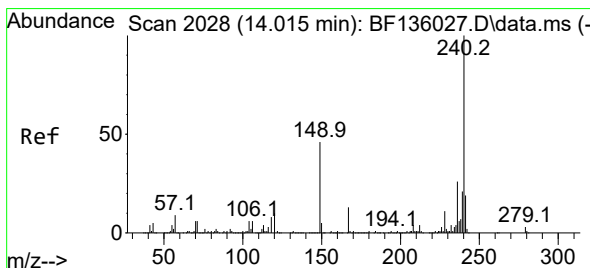
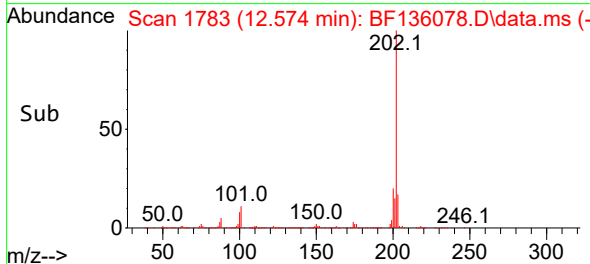
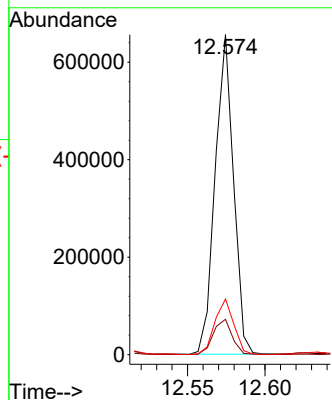
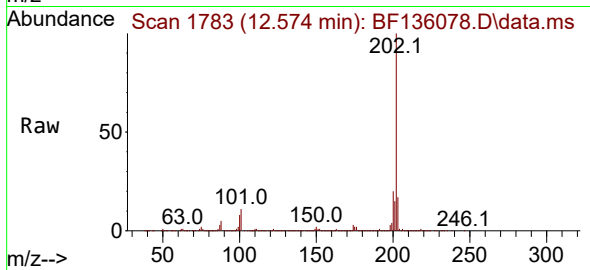




#75
Fluoranthene
Concen: 27.198 ng
RT: 12.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56

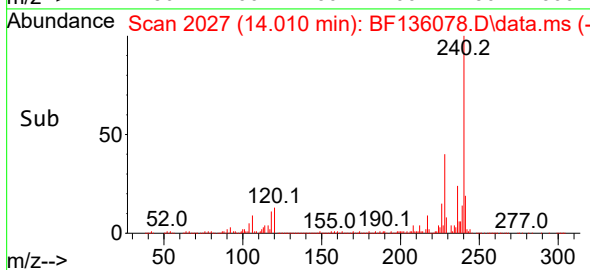
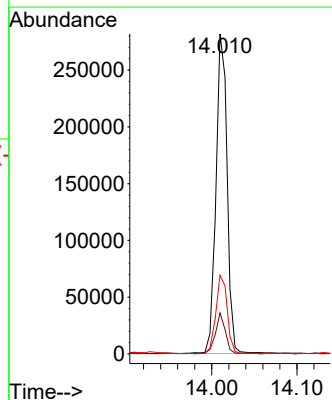
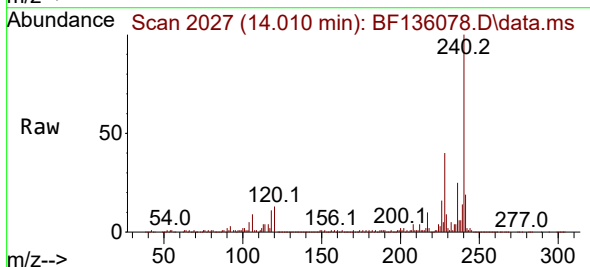
Instrument :
BNA_F
ClientSampleId :
H-1(0-5)DL

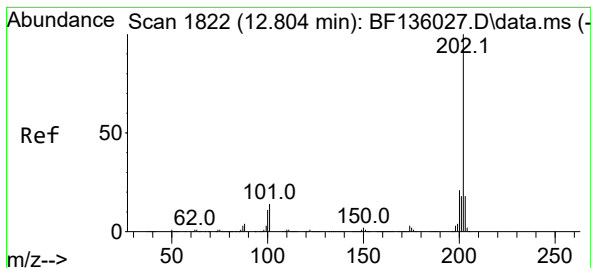
Tgt Ion:202 Resp: 540532
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.8
203 17.4 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56

Tgt Ion:240 Resp: 257093
Ion Ratio Lower Upper
240 100
120 12.8 7.6 11.4#
236 24.6 20.6 31.0





#78

Pyrene

Concen: 26.559 ng

RT: 12.804 min Scan# 1822

Delta R.T. 0.000 min

Lab File: BF136078.D

Acq: 01 Nov 2023 15:56

Instrument :

BNA_F

ClientSampleId :

H-1(0-5)DL

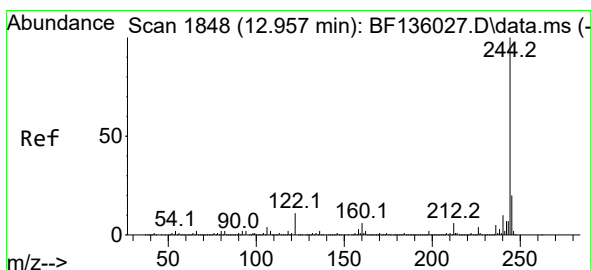
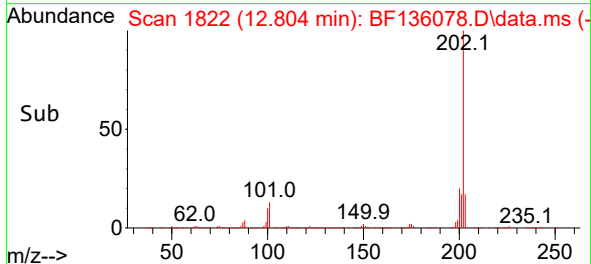
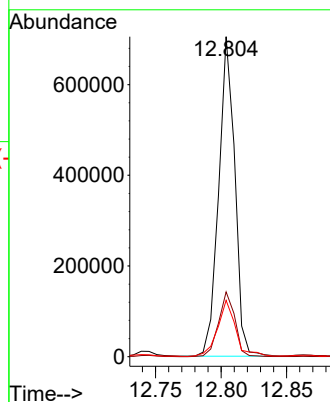
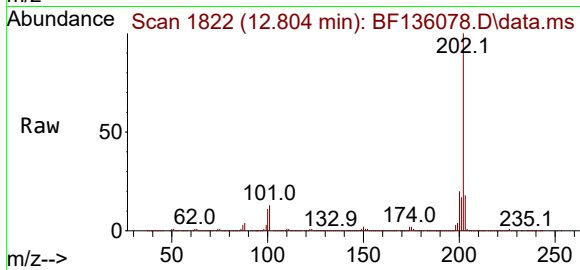
Tgt Ion:202 Resp: 602008

Ion Ratio Lower Upper

202 100

200 20.3 17.0 25.4

203 17.6 14.4 21.6



#79

Terphenyl-d14

Concen: 5.319 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF136078.D

Acq: 01 Nov 2023 15:56

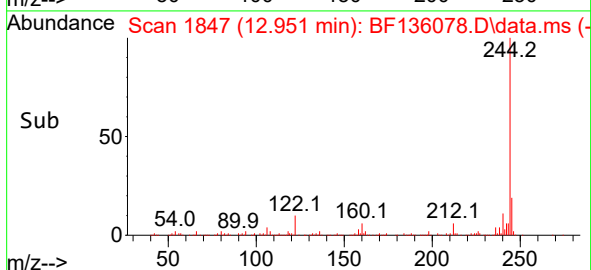
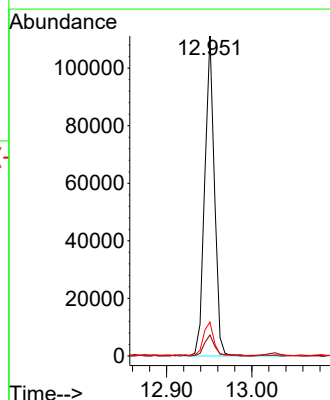
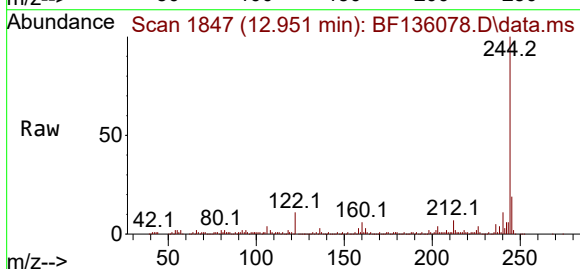
Tgt Ion:244 Resp: 88003

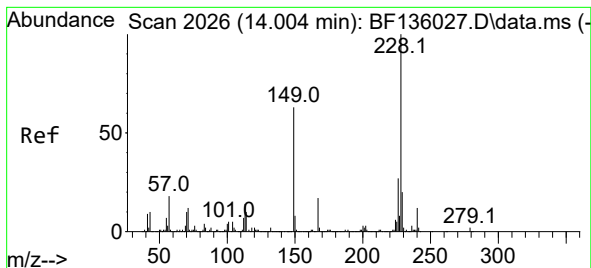
Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

122 10.6 8.6 12.8





#81

Benzo(a)anthracene

Concen: 16.280 ng

RT: 14.039 min Scan# 20

Delta R.T. 0.035 min

Lab File: BF136078.D

Acq: 01 Nov 2023 15:56

Instrument :

BNA_F

ClientSampleId :

H-1(0-5)DL

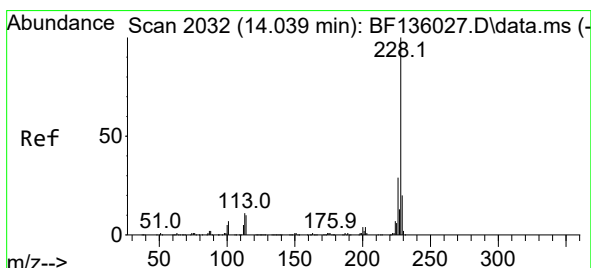
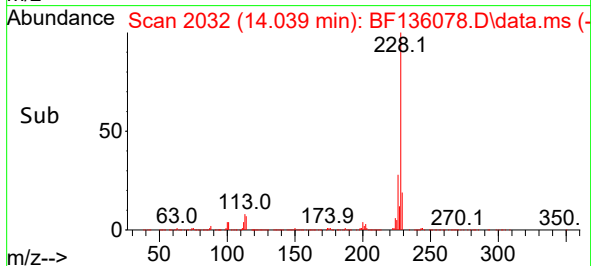
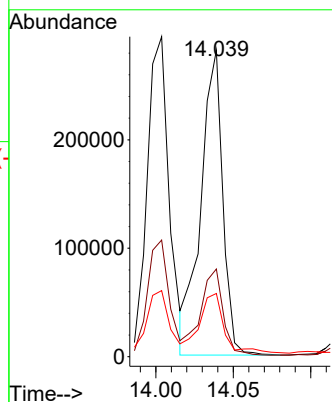
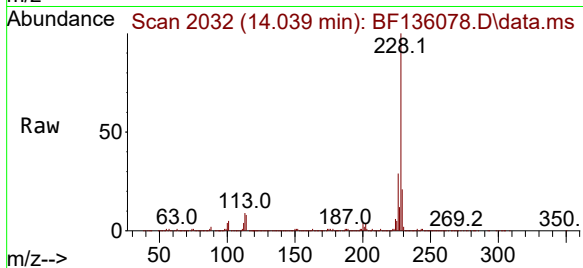
Tgt Ion:228 Resp: 277085

Ion Ratio Lower Upper

228 100

226 28.6 21.5 32.3

229 20.6 15.8 23.6



#83

Chrysene

Concen: 16.531 ng

RT: 14.039 min Scan# 2032

Delta R.T. 0.000 min

Lab File: BF136078.D

Acq: 01 Nov 2023 15:56

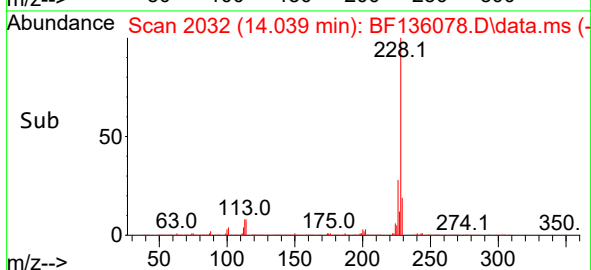
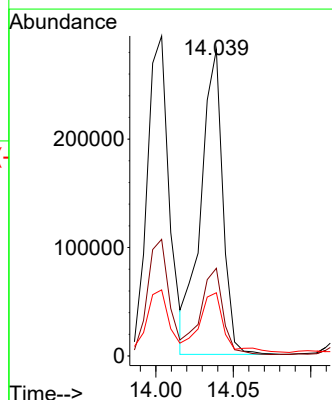
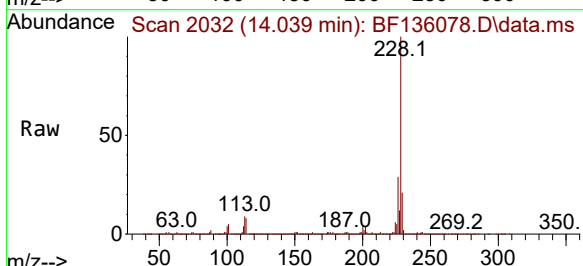
Tgt Ion:228 Resp: 277085

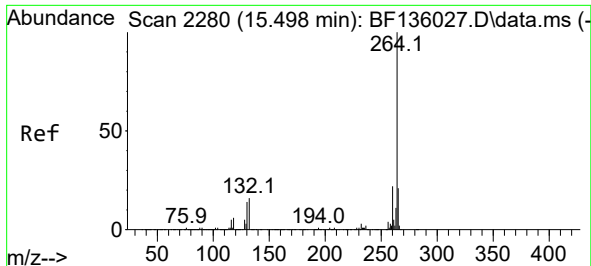
Ion Ratio Lower Upper

228 100

226 28.6 23.5 35.3

229 20.6 16.0 24.0

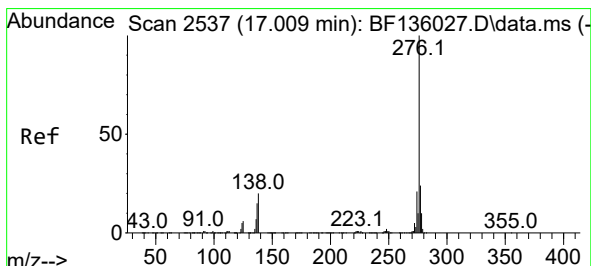
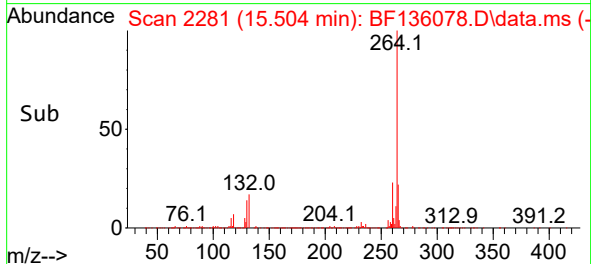
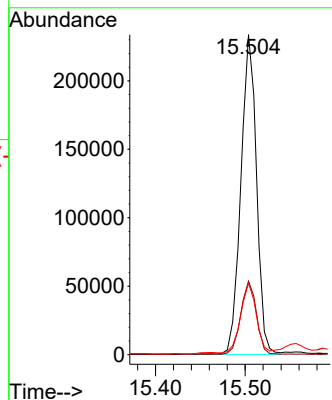
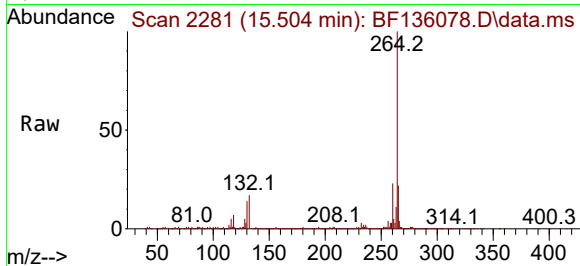




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56

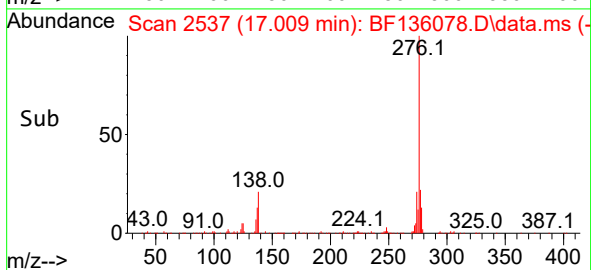
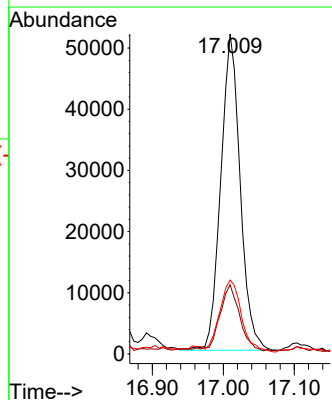
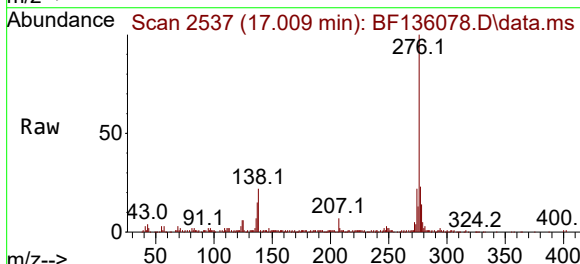
Instrument :
BNA_F
ClientSampleId :
H-1(0-5)DL

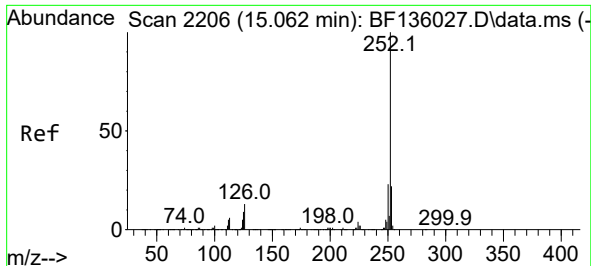
Tgt Ion:264 Resp: 282147
Ion Ratio Lower Upper
264 100
260 23.0 17.9 26.9
265 22.3 16.8 25.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.324 ng
RT: 17.009 min Scan# 2537
Delta R.T. 0.000 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56

Tgt Ion:276 Resp: 98174
Ion Ratio Lower Upper
276 100
138 21.0 20.4 30.6
277 25.3 20.2 30.2

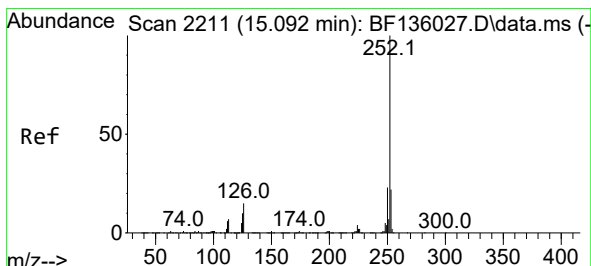
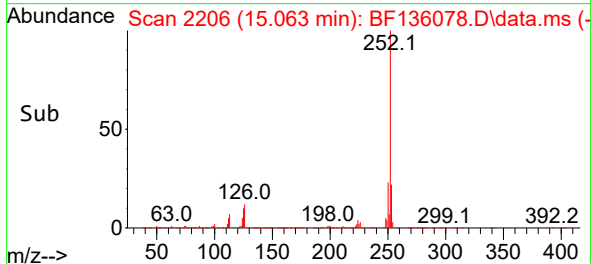
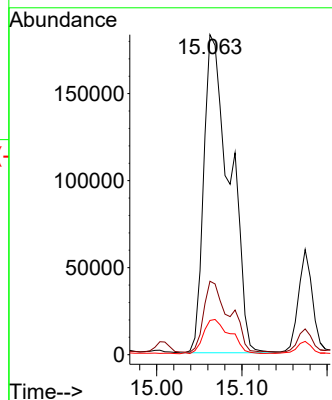
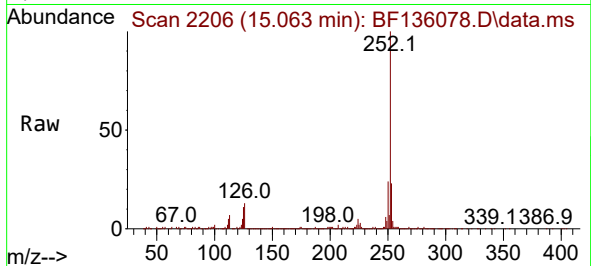




#88
Benzo(b)fluoranthene
Concen: 23.258 ng
RT: 15.063 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56

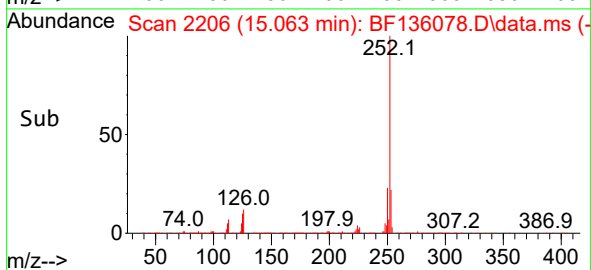
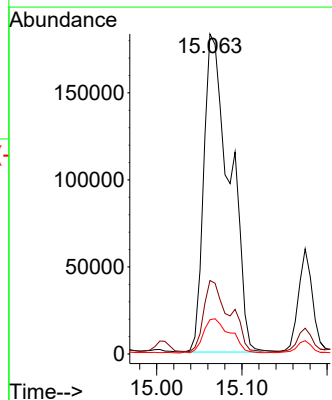
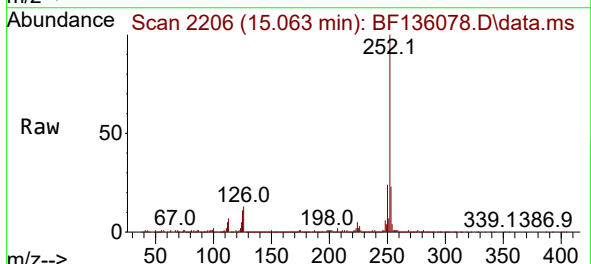
Instrument :
BNA_F
ClientSampleId :
H-1(0-5)DL

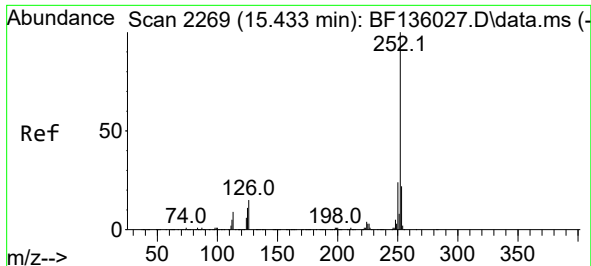
Tgt Ion:252 Resp: 388302
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 10.7 7.5 11.3



#89
Benzo(k)fluoranthene
Concen: 23.506 ng
RT: 15.063 min Scan# 2206
Delta R.T. -0.029 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56

Tgt Ion:252 Resp: 388302
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 10.7 8.0 12.0

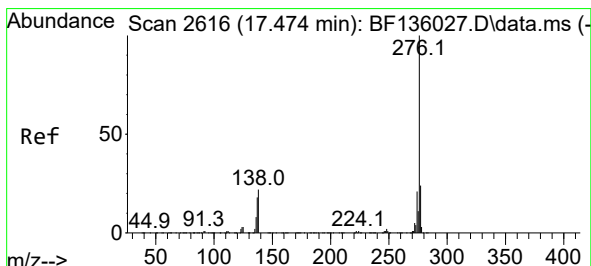
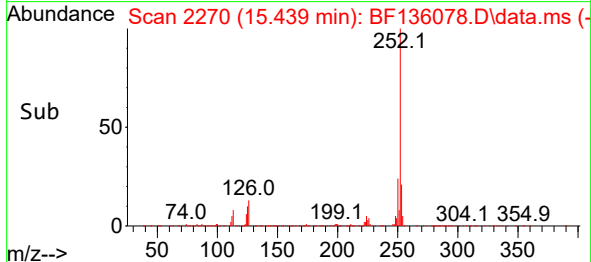
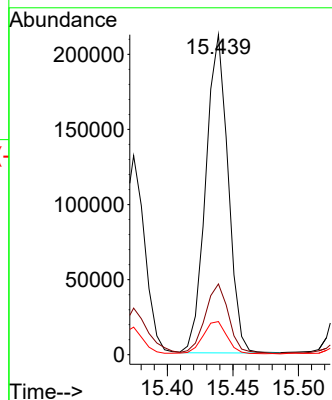
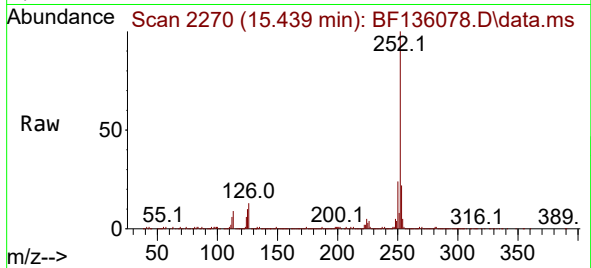




#90
Benzo(a)pyrene
Concen: 16.196 ng
RT: 15.439 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56

Instrument :
BNA_F
ClientSampleId :
H-1(0-5)DL

Tgt Ion:252 Resp: 251239
Ion Ratio Lower Upper
252 100
253 22.1 17.3 25.9
125 10.4 9.0 13.6



#92
Benzo(g,h,i)perylene
Concen: 7.782 ng
RT: 17.468 min Scan# 2615
Delta R.T. -0.006 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56

Tgt Ion:276 Resp: 89435
Ion Ratio Lower Upper
276 100
277 24.9 19.0 28.4
138 22.5 17.4 26.2

