

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
 Data File : BF136161.D
 Acq On : 06 Nov 2023 18:29
 Operator : CG\JU
 Sample : 05257-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-6

Quant Time: Nov 06 23:30:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 06 00:53:35 2023
 Response via : Initial Calibration

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

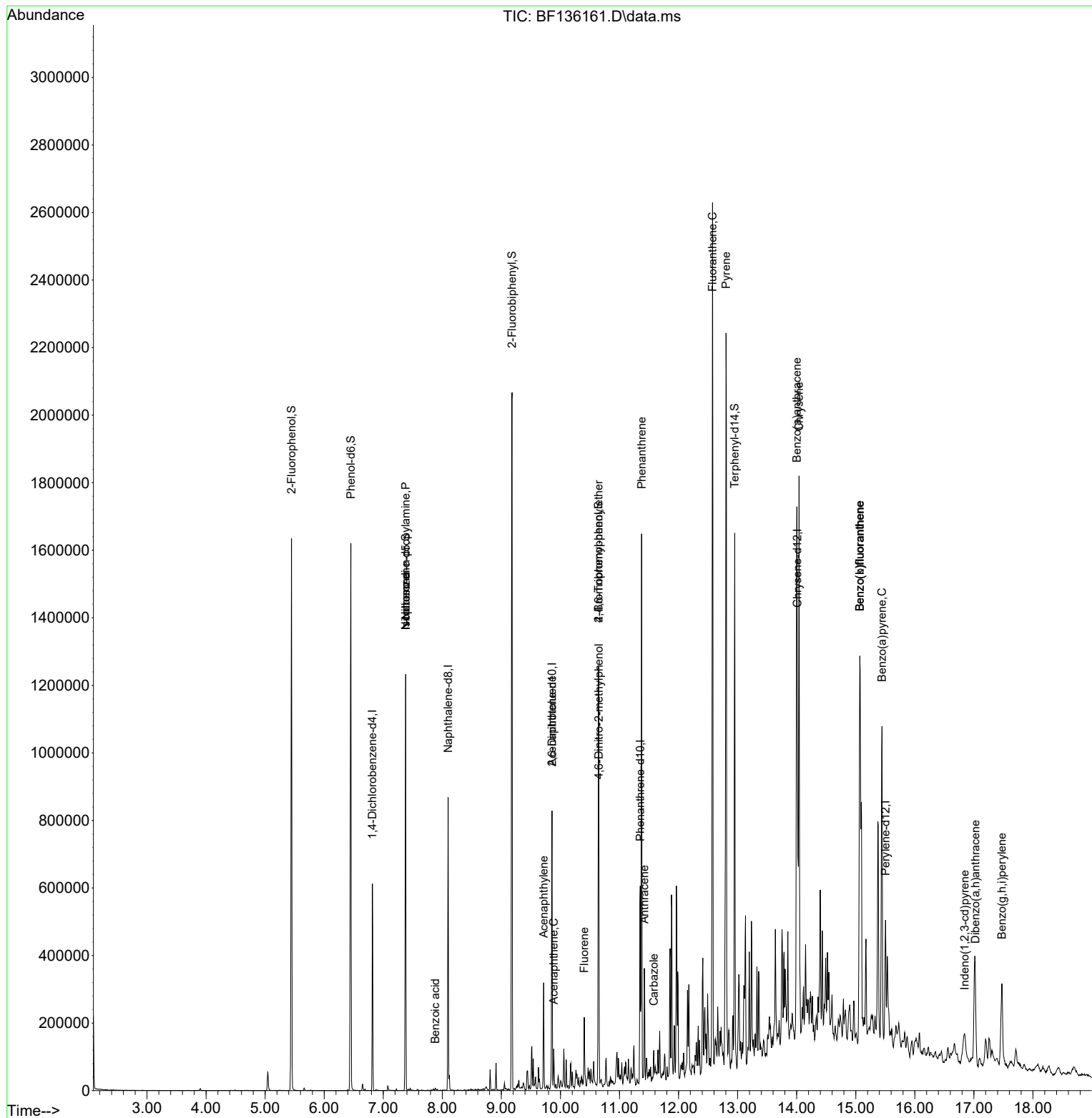
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	81678	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	317863	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	151072	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	223349	20.000	ng	# 0.00
76) Chrysene-d12	14.010	240	168389	20.000	ng	0.00
86) Perylene-d12	15.504	264	157962	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	429907	82.710	ng	0.00
7) Phenol-d6	6.451	99	532990	82.301	ng	0.00
23) Nitrobenzene-d5	7.381	82	334283	63.397	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	131723	81.688	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	637764	67.296	ng	0.00
79) Terphenyl-d14	12.951	244	493030	45.501	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	46225	12.492	ng	# 75
25) Isophorone	7.381	82	334277	33.580	ng	# 64
32) Benzoic acid	7.881	122	461	5.226	ng	# 23
49) Acenaphthylene	9.716	152	105262	7.948	ng	98
51) 2,6-Dinitrotoluene	9.857	165	20386	9.565	ng	# 29
52) Acenaphthene	9.886	154	19730	2.343	ng	96
58) Fluorene	10.404	166	47158	5.130	ng	98
65) 4,6-Dinitro-2-methylph...	10.651	198	279	5.991	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	8707	3.718	ng	# 1
71) Phenanthrene	11.374	178	539484	47.973	ng	100
72) Anthracene	11.421	178	120451	10.453	ng	100
73) Carbazole	11.580	167	28400	2.836	ng	96
75) Fluoranthene	12.574	202	1013860	87.759	ng	98
78) Pyrene	12.804	202	993660	66.931	ng	100
81) Benzo(a)anthracene	14.004	228	575563	51.630	ng	93
83) Chrysene	14.039	228	607075	55.296	ng	98
87) Indeno(1,2,3-cd)pyrene	16.845	276	45143	4.373	ng	94
88) Benzo(b)fluoranthene	15.068	252	990520	105.973	ng	100
89) Benzo(k)fluoranthene	15.068	252	990520	107.104	ng	99
90) Benzo(a)pyrene	15.445	252	451103	51.942	ng	98
91) Dibenzo(a,h)anthracene	17.027	278	60992	7.212	ng	94
92) Benzo(g,h,i)perylene	17.474	276	205796	22.981	ng	94

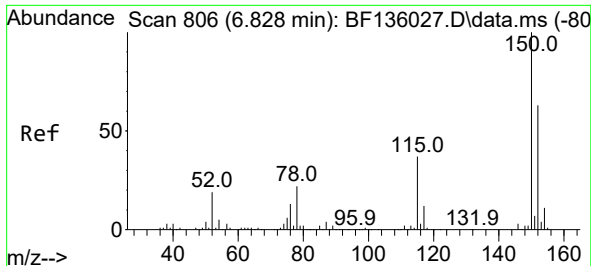
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
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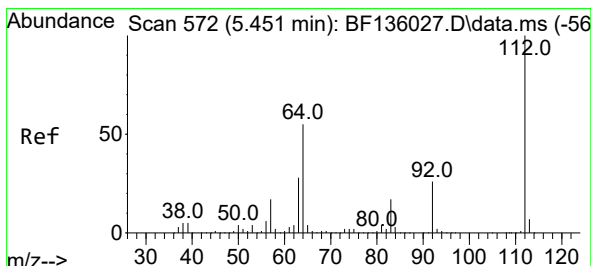
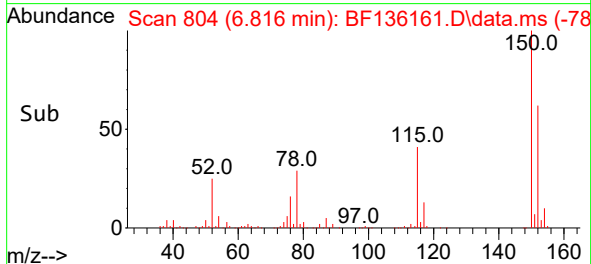
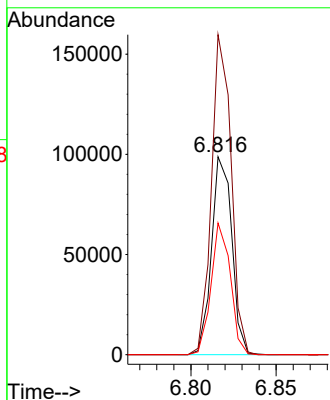
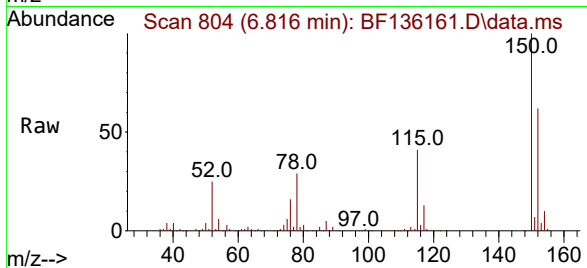




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

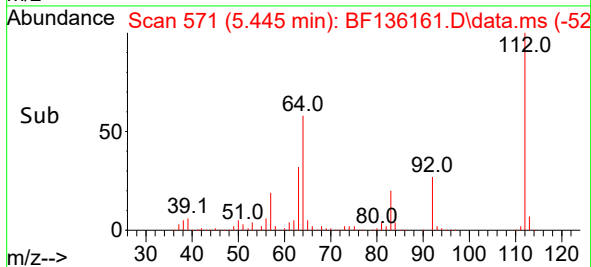
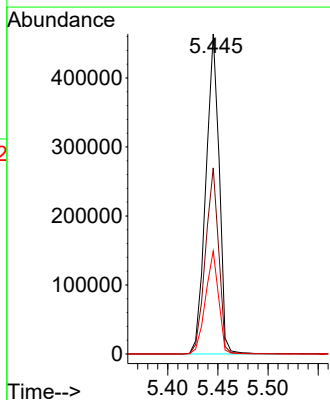
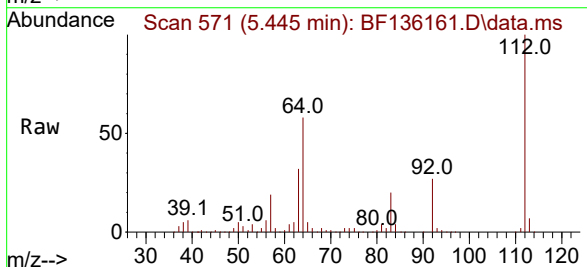
Instrument :
BNA_F
ClientSampleId :
WC-6

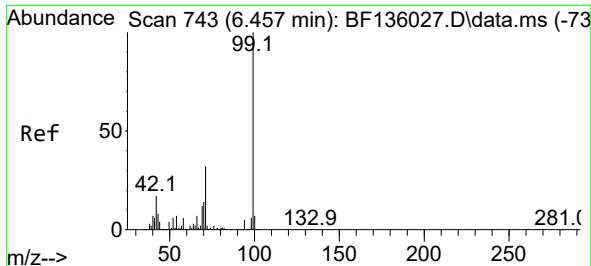
Tgt Ion:152 Resp: 81678
Ion Ratio Lower Upper
152 100
150 161.7 126.4 189.6
115 66.6 47.0 70.4



#5
2-Fluorophenol
Concen: 82.710 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

Tgt Ion:112 Resp: 429907
Ion Ratio Lower Upper
112 100
64 58.1 43.9 65.9
63 32.2 22.4 33.6

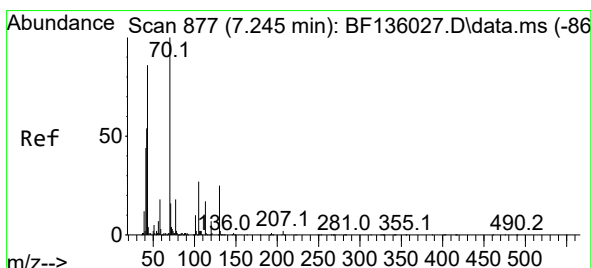
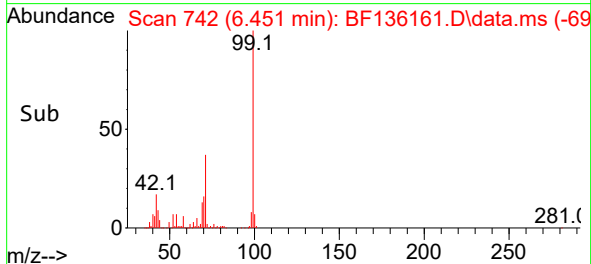
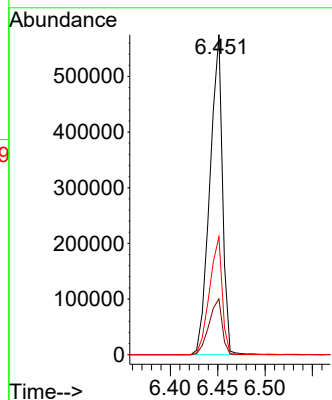
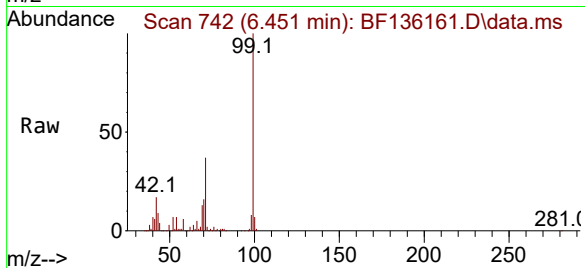




#7
Phenol-d6
Concen: 82.301 ng
RT: 6.451 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

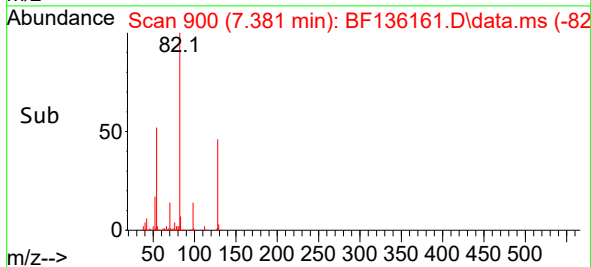
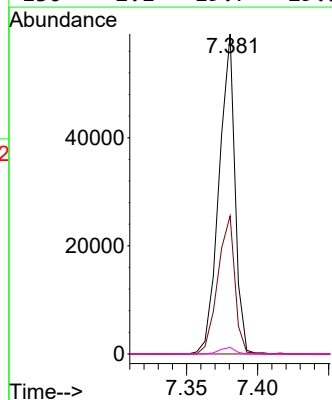
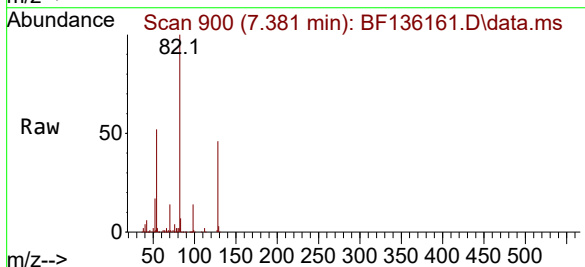
Instrument :
BNA_F
ClientSampleId :
WC-6

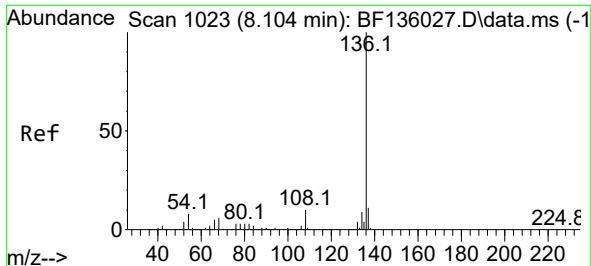
Tgt Ion: 99 Resp: 532990
Ion Ratio Lower Upper
99 100
42 17.5 13.7 20.5
71 36.9 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 12.492 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

Tgt Ion: 70 Resp: 46225
Ion Ratio Lower Upper
70 100
42 43.1 43.0 64.4
101 0.0 8.0 12.0#
130 2.1 19.7 29.5#

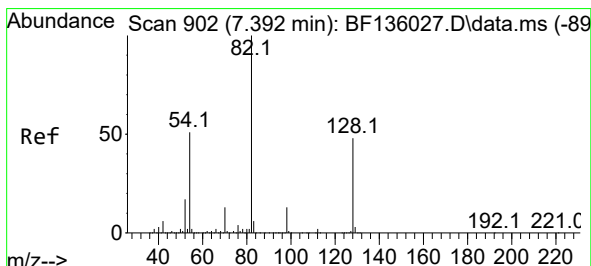
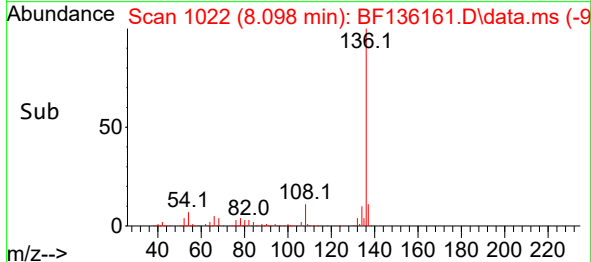
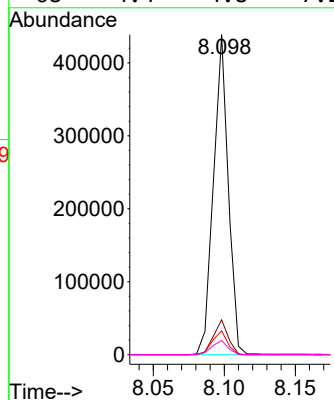
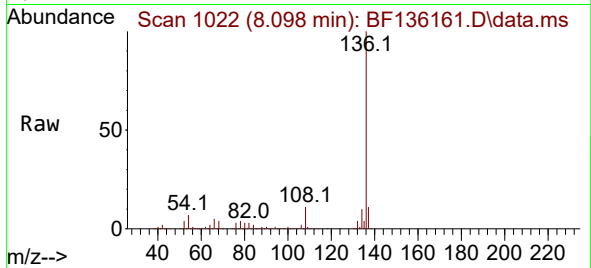




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

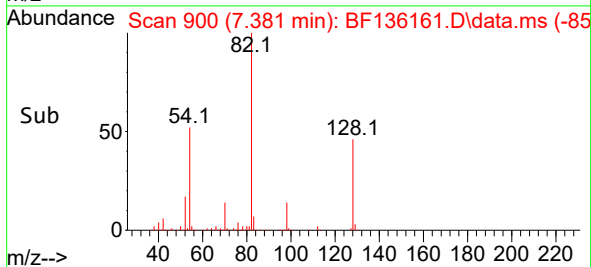
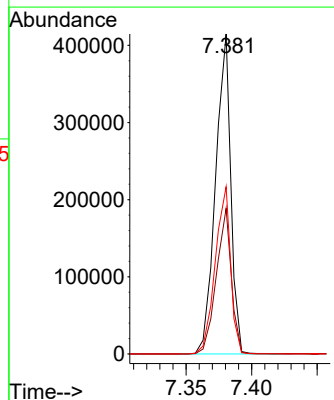
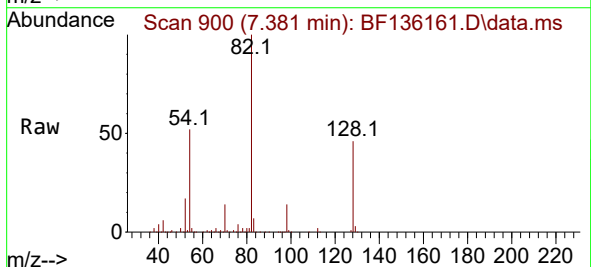
Instrument :
BNA_F
ClientSampleId :
WC-6

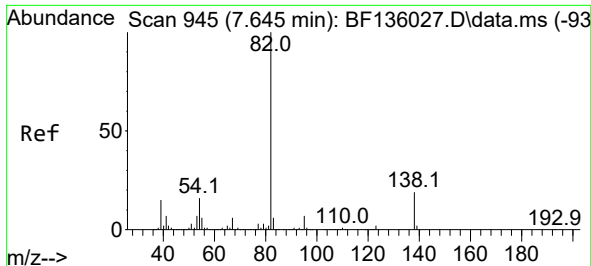
Tgt Ion:136	Resp: 317863
Ion Ratio	Lower Upper
136	100
137	10.9 8.6 13.0
54	7.4 6.6 9.8
68	4.4 4.8 7.2



#23
Nitrobenzene-d5
Concen: 63.397 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

Tgt Ion: 82	Resp: 334283
Ion Ratio	Lower Upper
82	100
128	45.5 38.6 57.8
54	52.3 40.8 61.2

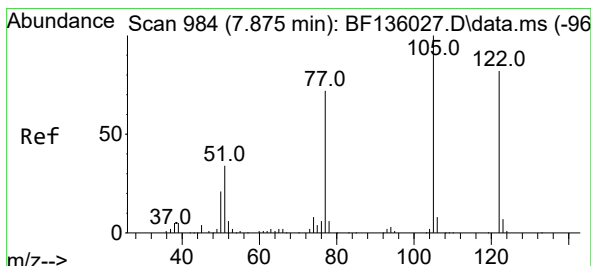
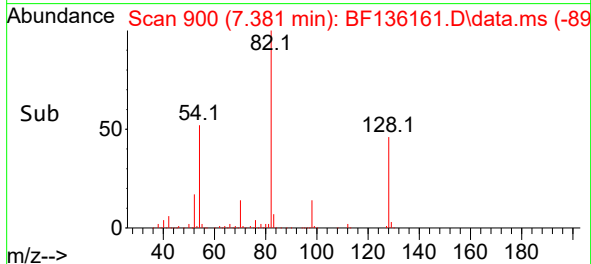
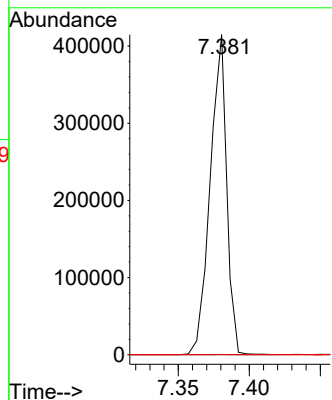
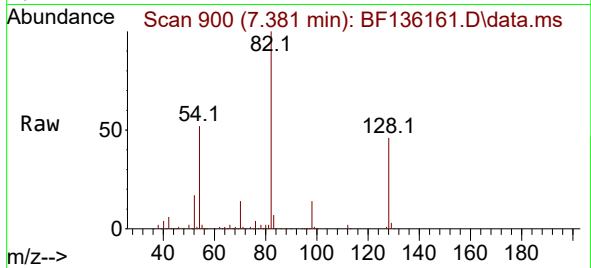




#25
Isophorone
Concen: 33.580 ng
RT: 7.381 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

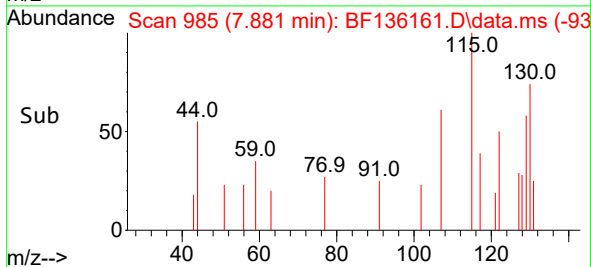
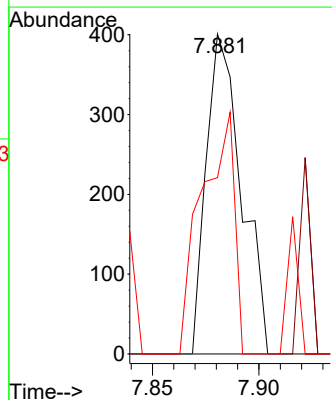
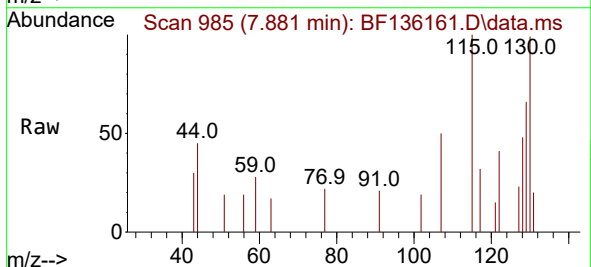
Instrument :
BNA_F
ClientSampleId :
WC-6

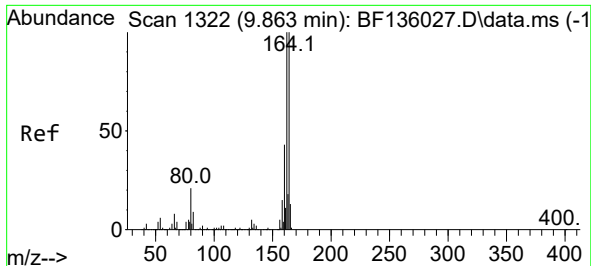
Tgt Ion: 82 Resp: 334277
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



#32
Benzoic acid
Concen: 5.226 ng
RT: 7.881 min Scan# 985
Delta R.T. 0.012 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

Tgt Ion:122 Resp: 461
Ion Ratio Lower Upper
122 100
105 0.0 99.5 139.5#
77 55.1 66.8 106.8#

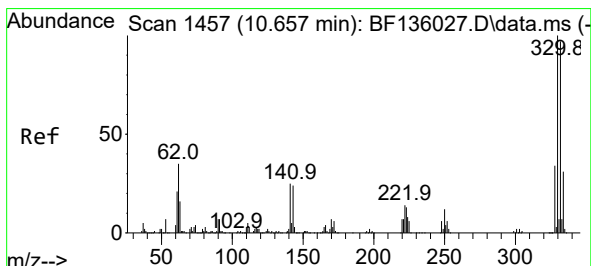
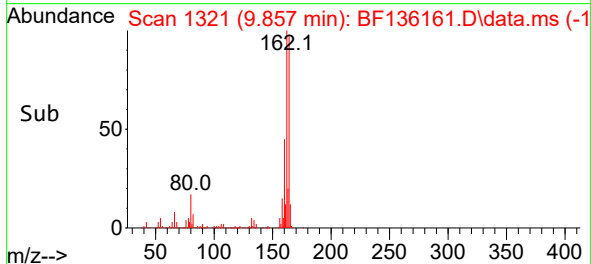
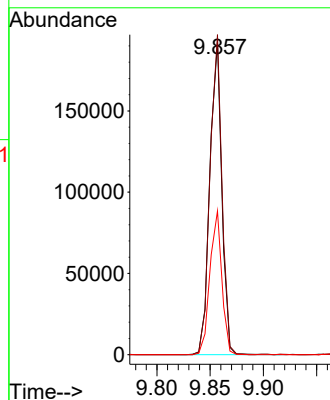
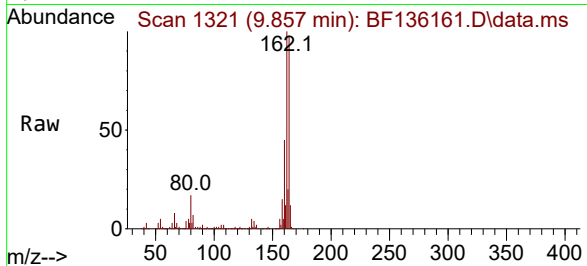




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

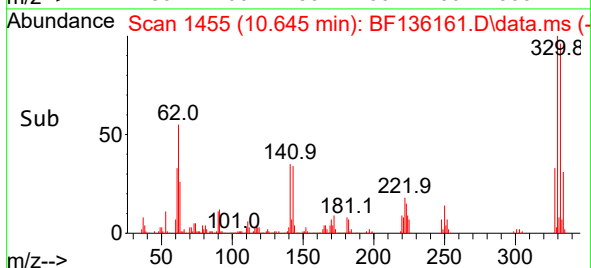
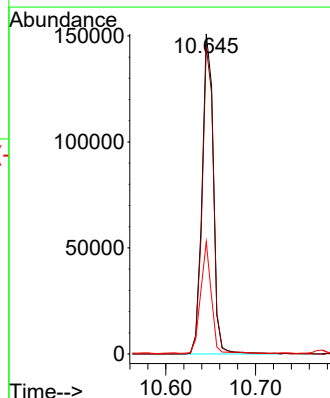
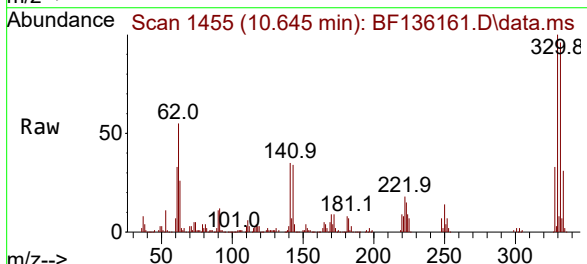
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BNA_F
ClientSampleId :
WC-6

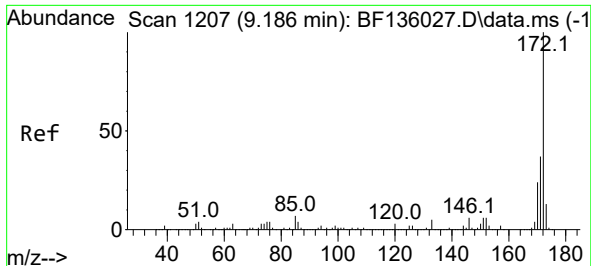
Tgt Ion:164 Resp: 151072
Ion Ratio Lower Upper
164 100
162 102.5 80.1 120.1
160 46.0 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 81.688 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

Tgt Ion:330 Resp: 131723
Ion Ratio Lower Upper
330 100
332 96.4 76.9 115.3
141 32.3 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 67.296 ng

RT: 9.180 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF136161.D

Acq: 06 Nov 2023 18:29

Instrument :

BNA_F

ClientSampleId :

WC-6

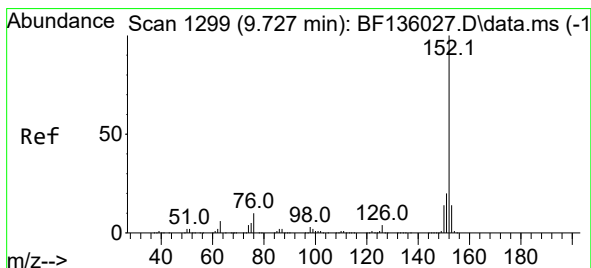
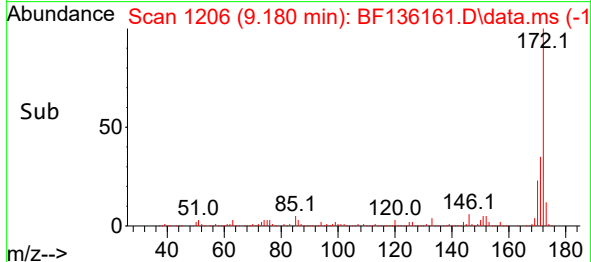
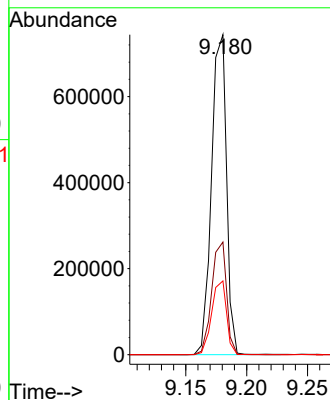
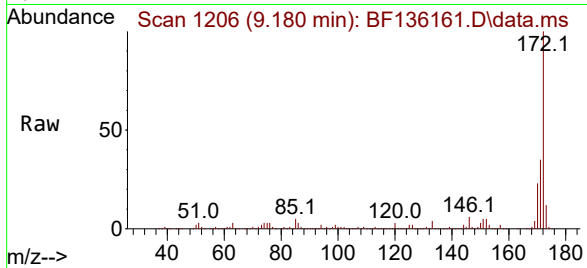
Tgt Ion:172 Resp: 637764

Ion Ratio Lower Upper

172 100

171 35.2 29.4 44.0

170 23.0 19.3 28.9



#49

Acenaphthylene

Concen: 7.948 ng

RT: 9.716 min Scan# 1297

Delta R.T. -0.006 min

Lab File: BF136161.D

Acq: 06 Nov 2023 18:29

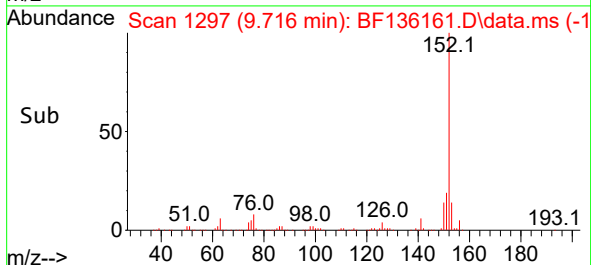
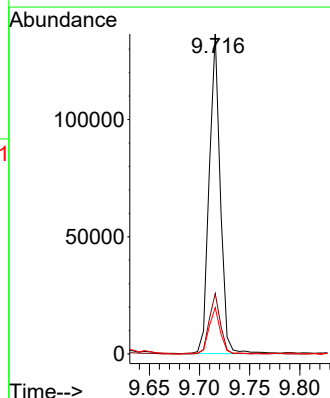
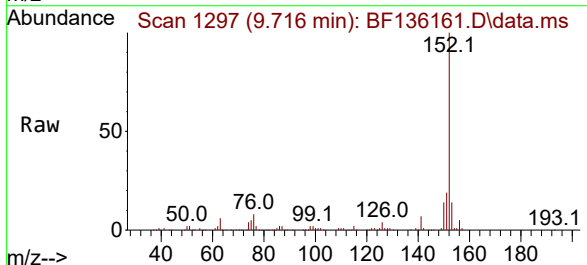
Tgt Ion:152 Resp: 105262

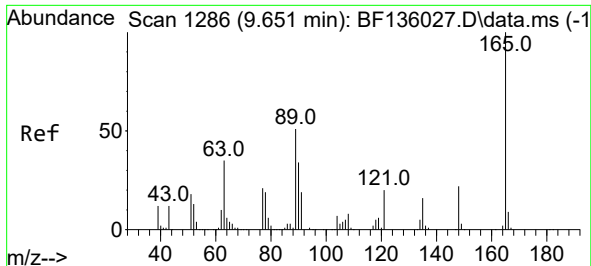
Ion Ratio Lower Upper

152 100

151 18.9 16.1 24.1

153 14.5 11.4 17.2





#51

2,6-Dinitrotoluene

Concen: 9.565 ng

RT: 9.857 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF136161.D

Acq: 06 Nov 2023 18:29

Instrument :

BNA_F

ClientSampleId :

WC-6

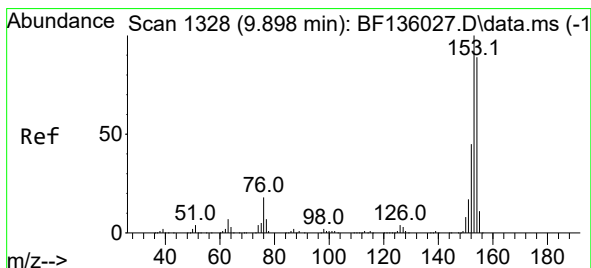
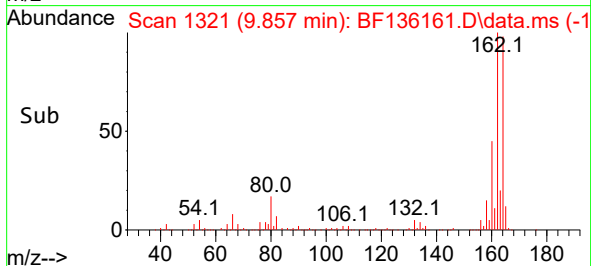
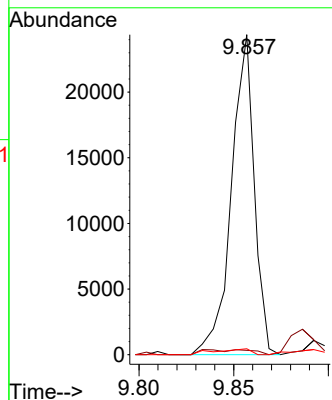
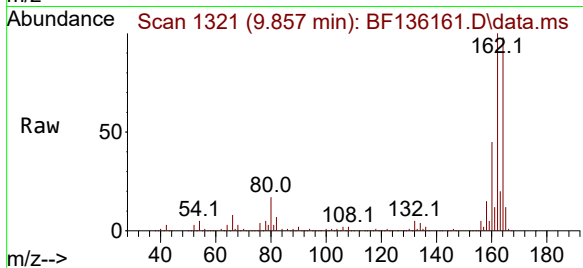
Tgt Ion:165 Resp: 20386

Ion Ratio Lower Upper

165 100

63 1.4 40.8 61.2#

89 1.9 41.1 61.7#



#52

Acenaphthene

Concen: 2.343 ng

RT: 9.886 min Scan# 1326

Delta R.T. -0.012 min

Lab File: BF136161.D

Acq: 06 Nov 2023 18:29

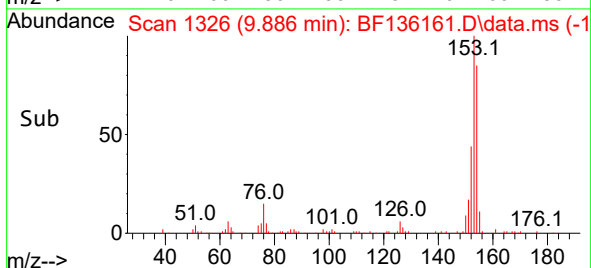
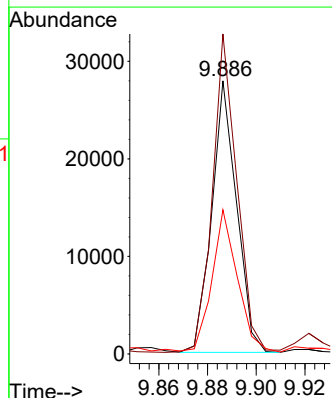
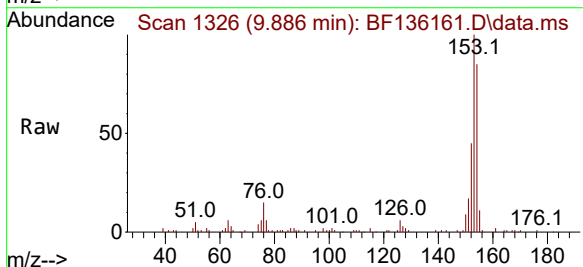
Tgt Ion:154 Resp: 19730

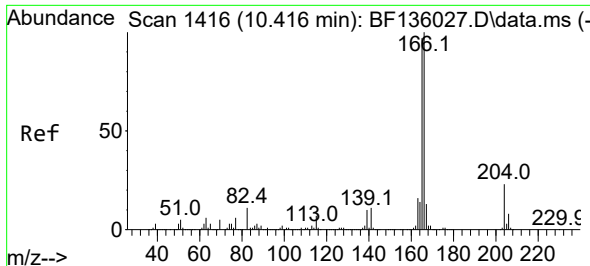
Ion Ratio Lower Upper

154 100

153 117.1 89.9 134.9

152 52.8 40.2 60.2

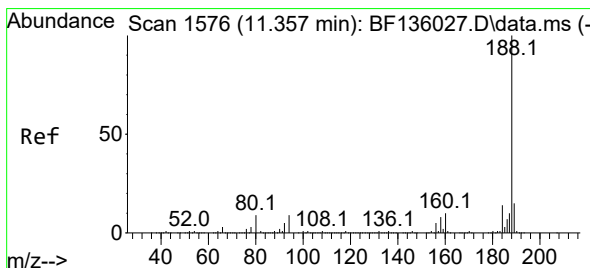
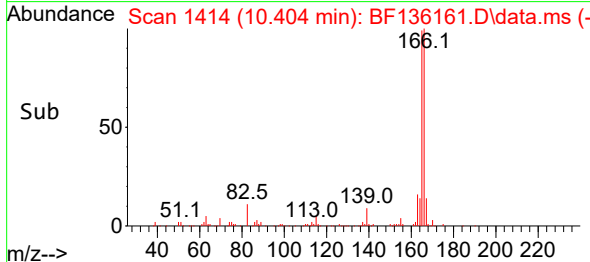
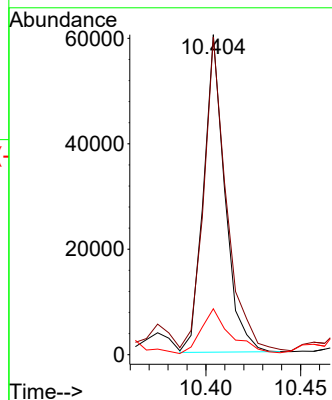
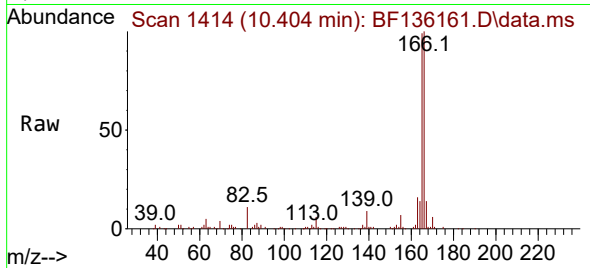




#58
Fluorene
Concen: 5.130 ng
RT: 10.404 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

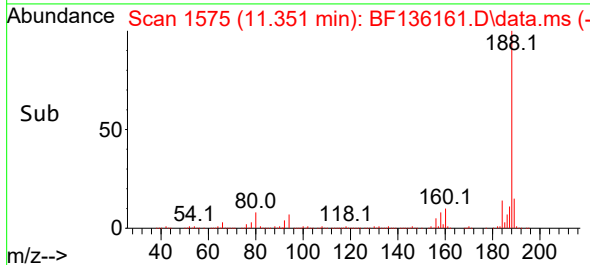
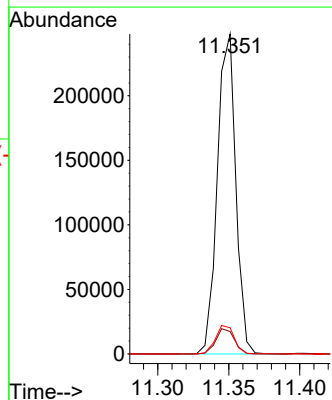
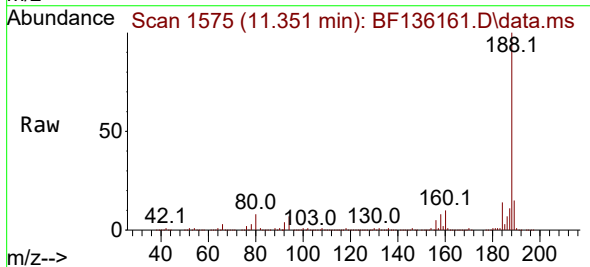
Instrument :
BNA_F
ClientSampleId :
WC-6

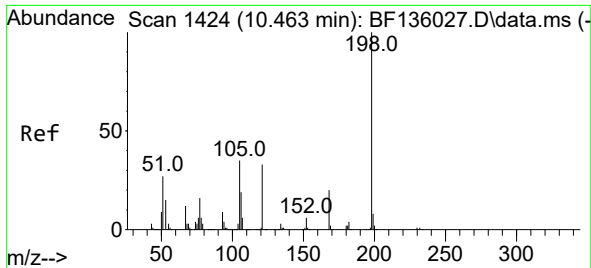
Tgt Ion:166 Resp: 47158
Ion Ratio Lower Upper
166 100
165 99.2 77.7 116.5
167 14.3 10.6 16.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

Tgt Ion:188 Resp: 223349
Ion Ratio Lower Upper
188 100
94 7.0 7.2 10.8#
80 8.2 7.4 11.0

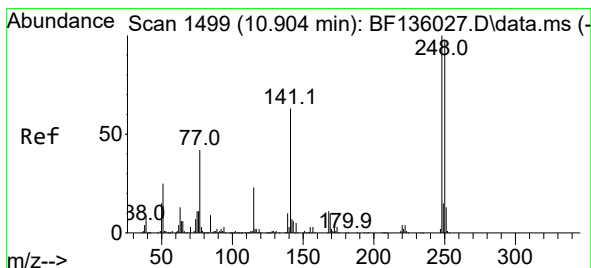
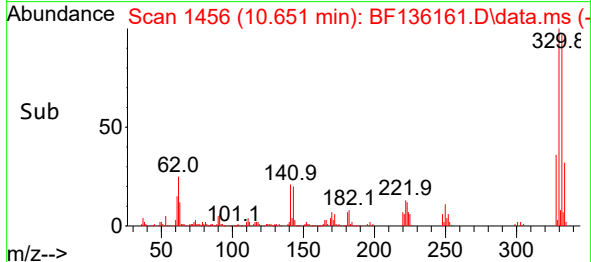
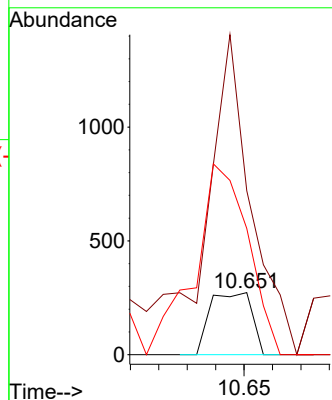
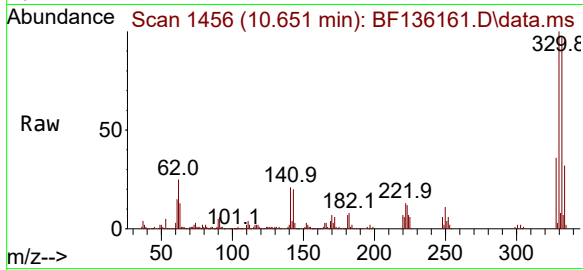




#65
4,6-Dinitro-2-methylphenol
Concen: 5.991 ng
RT: 10.651 min Scan# 1424
Delta R.T. 0.194 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

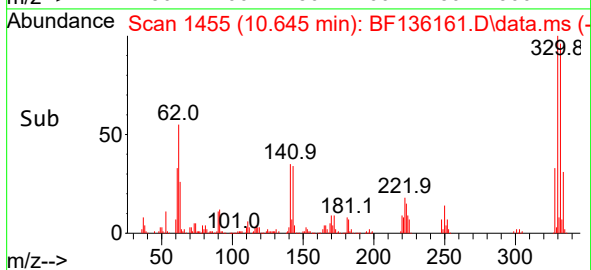
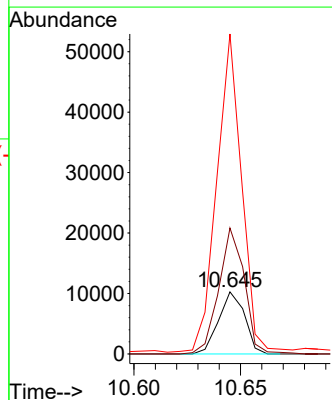
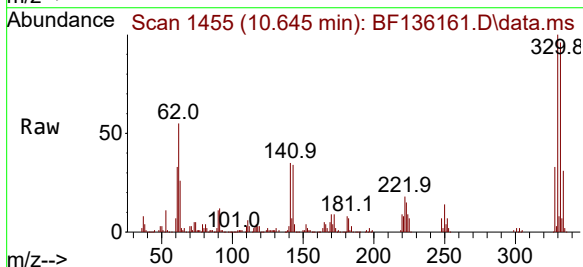
Instrument :
BNA_F
ClientSampleId :
WC-6

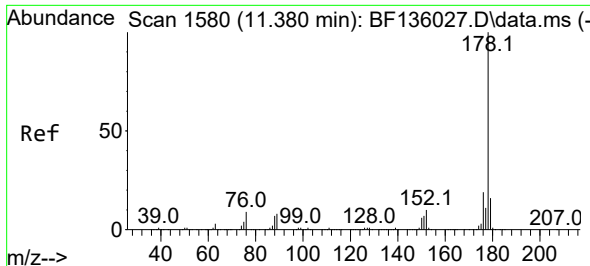
Tgt Ion:198 Resp: 279
Ion Ratio Lower Upper
198 100
51 264.1 12.9 52.9#
105 203.3 16.0 56.0#



#67
4-Bromophenyl-phenylether
Concen: 3.718 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.253 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

Tgt Ion:248 Resp: 8707
Ion Ratio Lower Upper
248 100
250 202.8 77.6 116.4#
141 515.1 50.4 75.6#

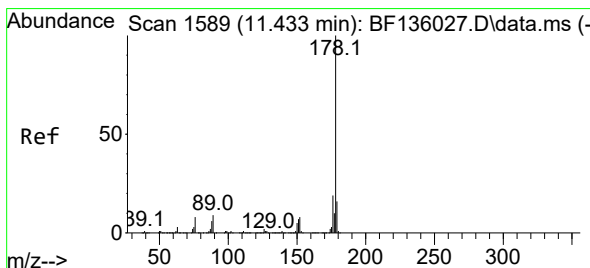
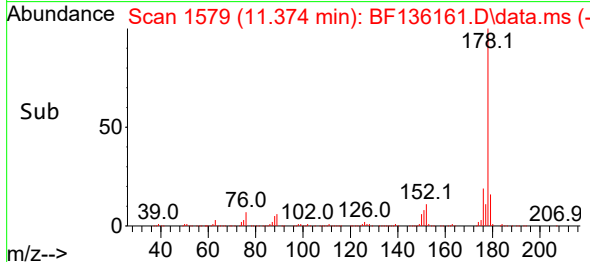
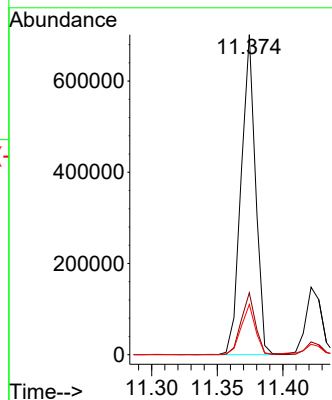
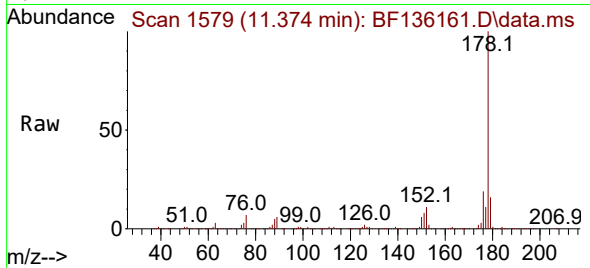




#71
Phenanthrene
Concen: 47.973 ng
RT: 11.374 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

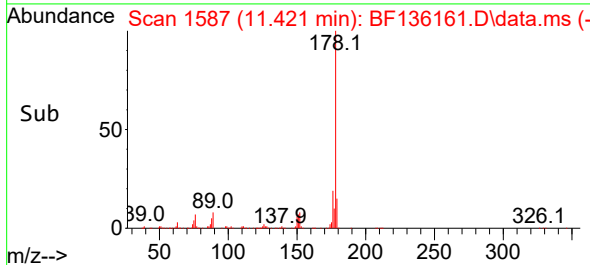
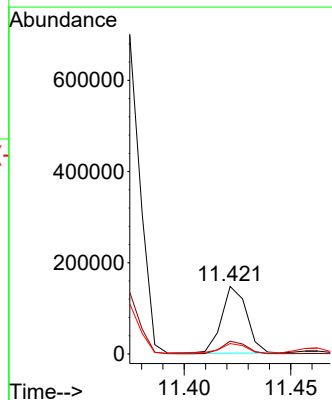
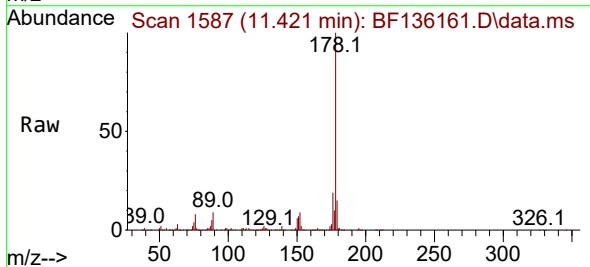
Instrument :
BNA_F
ClientSampleId :
WC-6

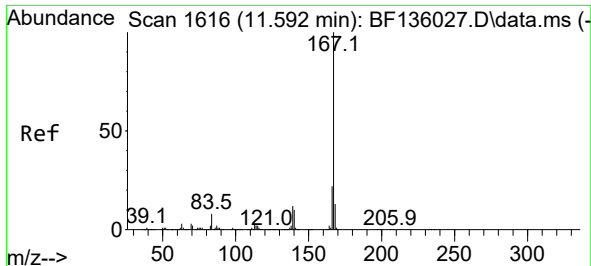
Tgt Ion:178 Resp: 539484
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.7 12.9 19.3



#72
Anthracene
Concen: 10.453 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

Tgt Ion:178 Resp: 120451
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.4
179 15.5 12.6 18.8

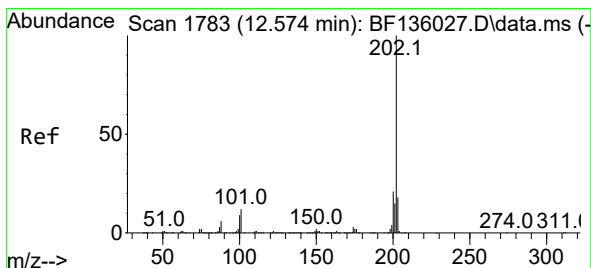
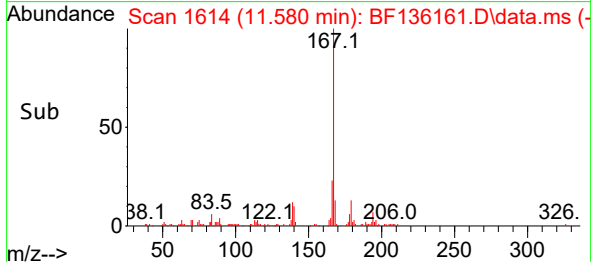
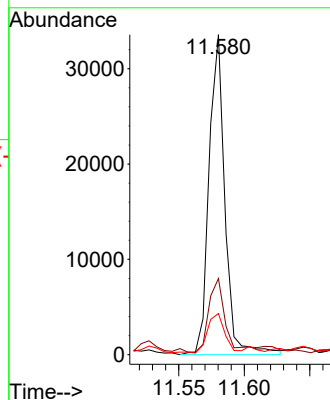
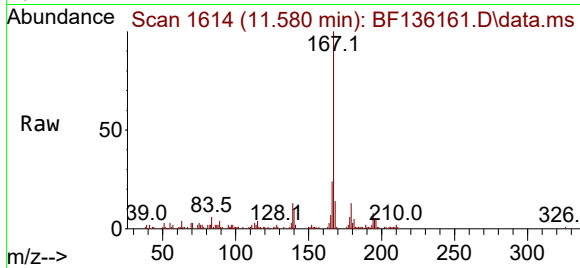




#73
 Carbazole
 Concen: 2.836 ng
 RT: 11.580 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF136161.D
 Acq: 06 Nov 2023 18:29

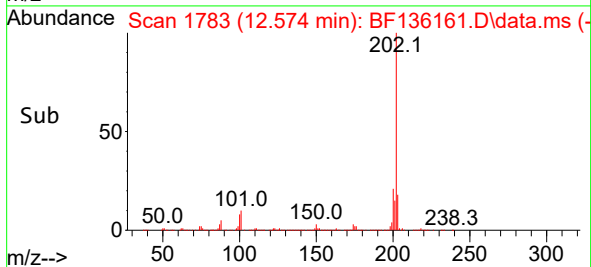
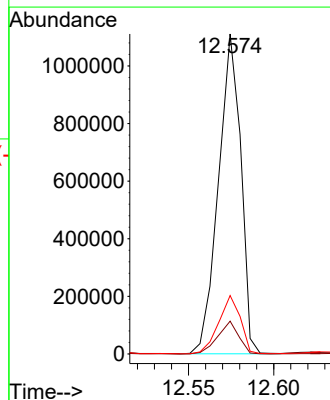
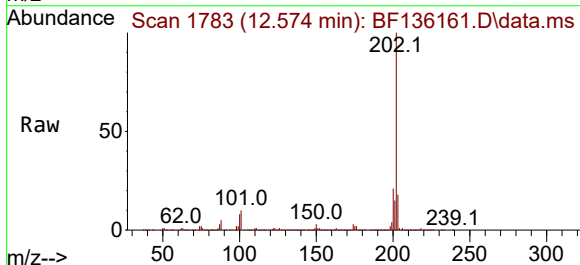
Instrument :
 BNA_F
 ClientSampleId :
 WC-6

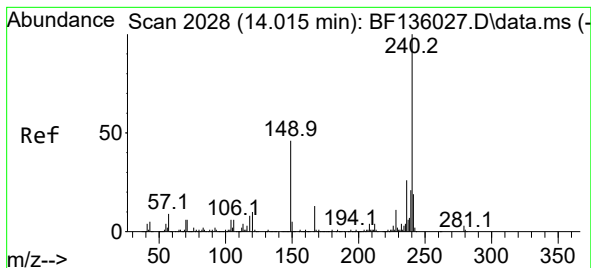
Tgt Ion:167 Resp: 28400
 Ion Ratio Lower Upper
 167 100
 166 23.8 17.2 25.8
 139 12.9 9.9 14.9



#75
 Fluoranthene
 Concen: 87.759 ng
 RT: 12.574 min Scan# 1783
 Delta R.T. 0.006 min
 Lab File: BF136161.D
 Acq: 06 Nov 2023 18:29

Tgt Ion:202 Resp: 1013860
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 31.8
 203 18.3 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF136161.D

Acq: 06 Nov 2023 18:29

Instrument :

BNA_F

ClientSampleId :

WC-6

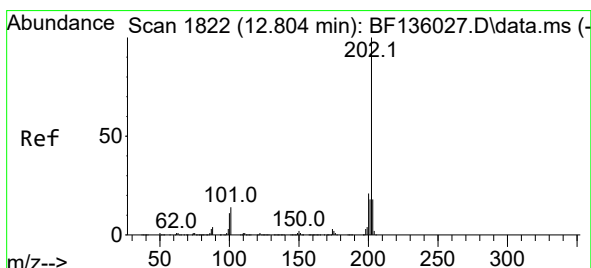
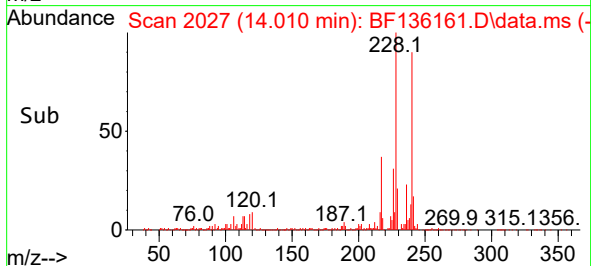
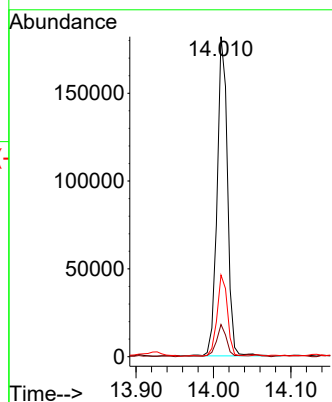
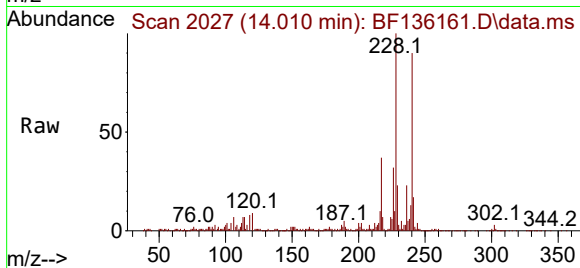
Tgt Ion:240 Resp: 168389

Ion Ratio Lower Upper

240 100

120 10.0 7.6 11.4

236 25.5 20.6 31.0



#78

Pyrene

Concen: 66.931 ng

RT: 12.804 min Scan# 1822

Delta R.T. 0.006 min

Lab File: BF136161.D

Acq: 06 Nov 2023 18:29

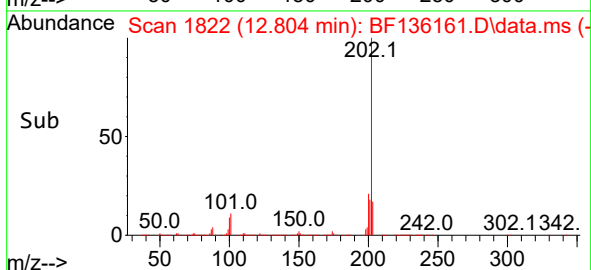
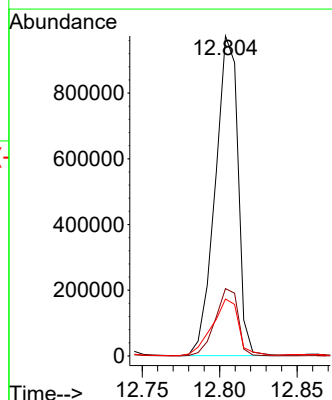
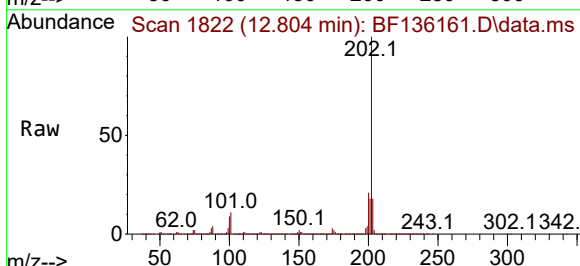
Tgt Ion:202 Resp: 993660

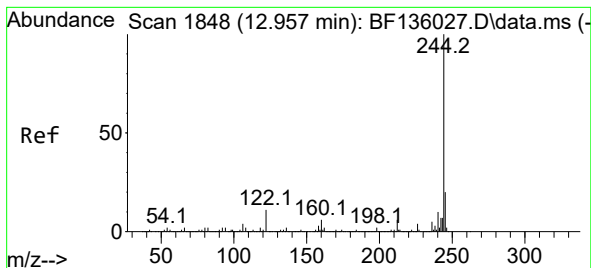
Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

203 17.8 14.4 21.6





#79

Terphenyl-d14

Concen: 45.501 ng

RT: 12.951 min Scan# 1848

Delta R.T. 0.000 min

Lab File: BF136161.D

Acq: 06 Nov 2023 18:29

Instrument :

BNA_F

ClientSampleId :

WC-6

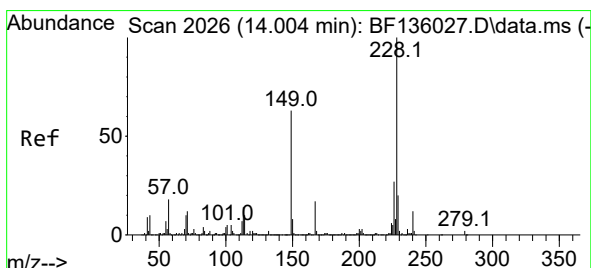
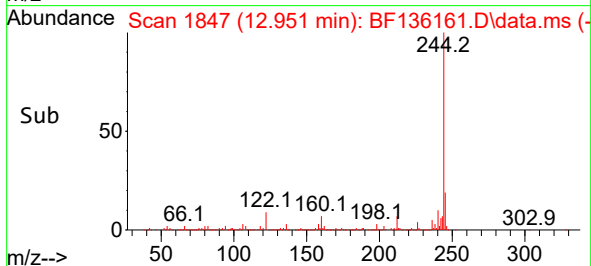
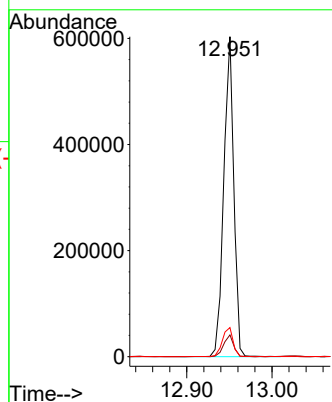
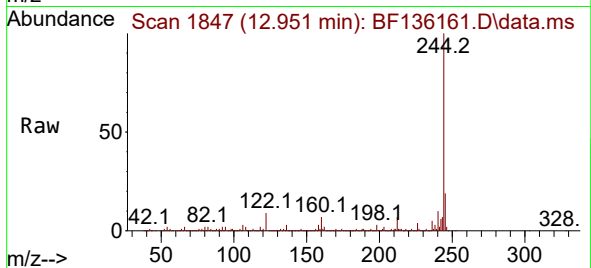
Tgt Ion:244 Resp: 493030

Ion Ratio Lower Upper

244 100

212 6.8 5.1 7.7

122 9.1 8.6 12.8



#81

Benzo(a)anthracene

Concen: 51.630 ng

RT: 14.004 min Scan# 2026

Delta R.T. 0.006 min

Lab File: BF136161.D

Acq: 06 Nov 2023 18:29

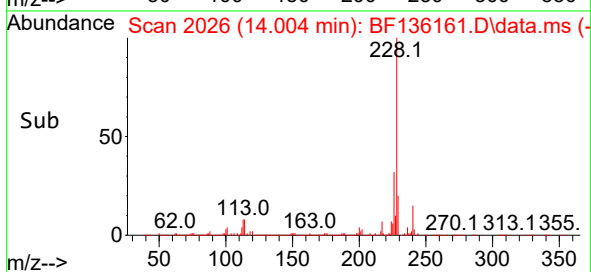
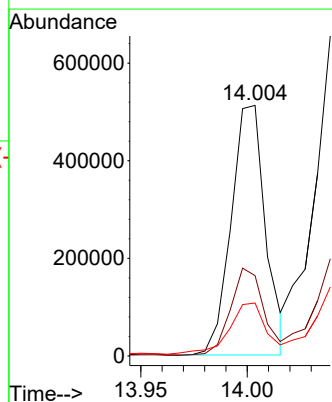
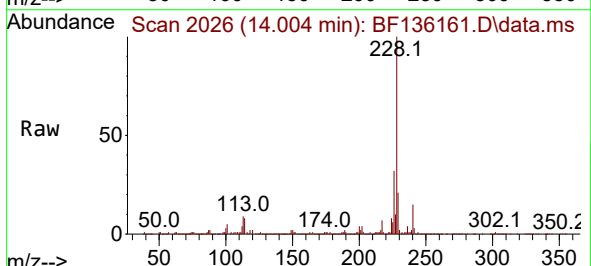
Tgt Ion:228 Resp: 575563

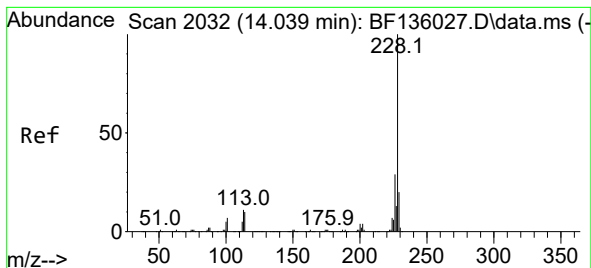
Ion Ratio Lower Upper

228 100

226 32.0 21.5 32.3

229 21.1 15.8 23.6





#83

Chrysene

Concen: 55.296 ng

RT: 14.039 min Scan# 2032

Delta R.T. 0.006 min

Lab File: BF136161.D

Acq: 06 Nov 2023 18:29

Instrument :

BNA_F

ClientSampleId :

WC-6

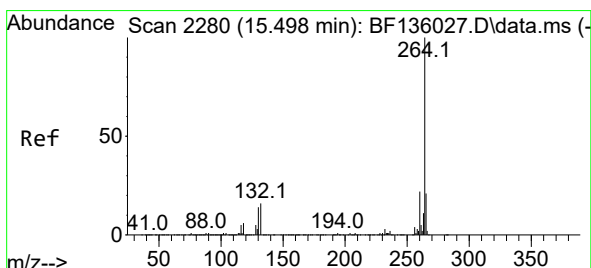
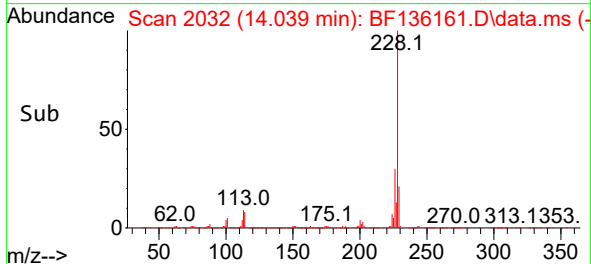
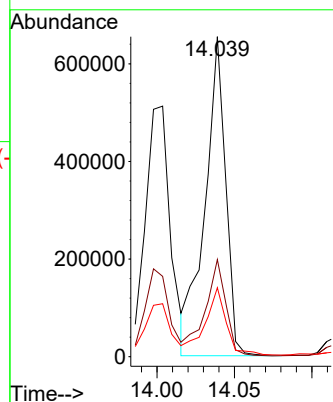
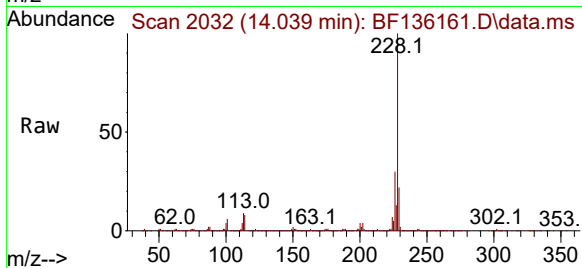
Tgt Ion:228 Resp: 607075

Ion Ratio Lower Upper

228 100

226 30.3 23.5 35.3

229 21.5 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2281

Delta R.T. 0.012 min

Lab File: BF136161.D

Acq: 06 Nov 2023 18:29

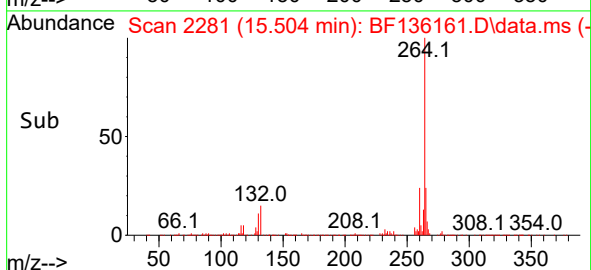
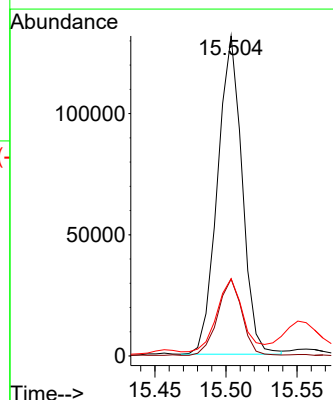
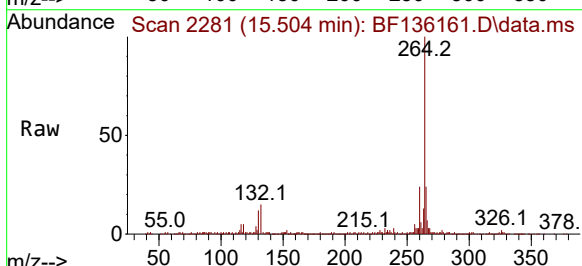
Tgt Ion:264 Resp: 157962

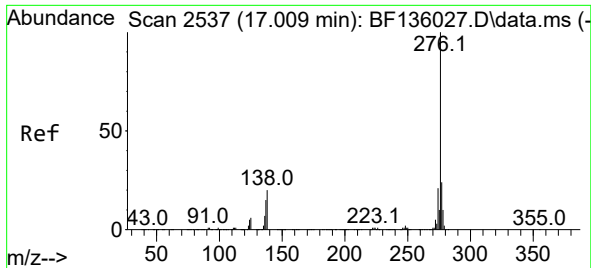
Ion Ratio Lower Upper

264 100

260 24.0 17.9 26.9

265 24.2 16.8 25.2

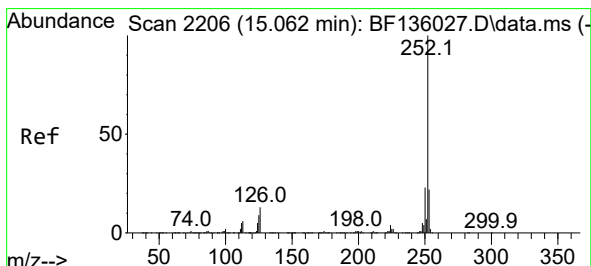
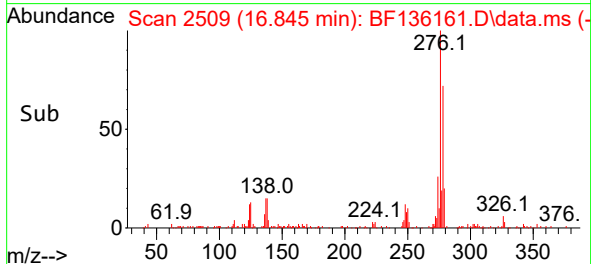
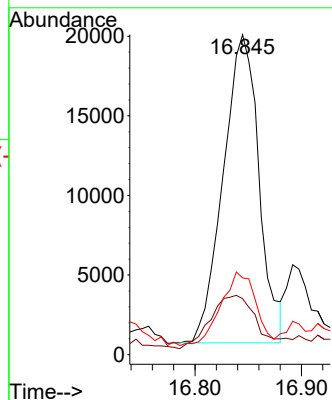
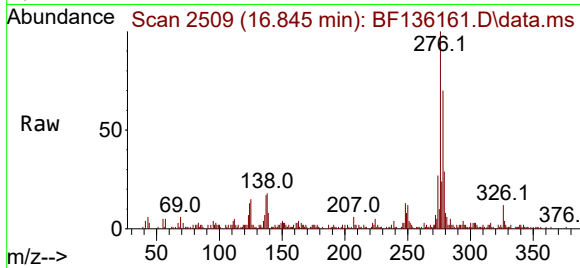




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.373 ng
 RT: 16.845 min Scan# 21
 Delta R.T. -0.165 min
 Lab File: BF136161.D
 Acq: 06 Nov 2023 18:29

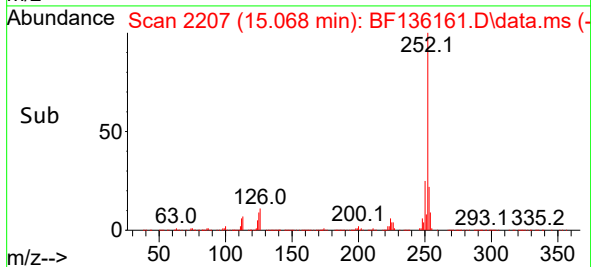
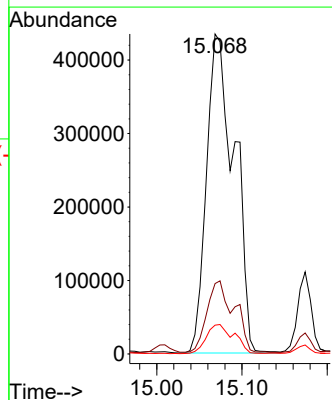
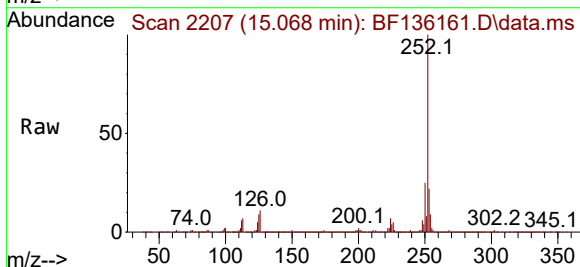
Instrument :
 BNA_F
 ClientSampleId :
 WC-6

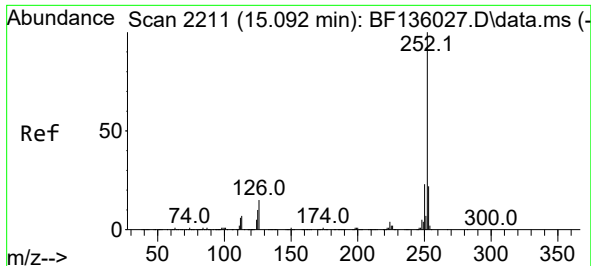
Tgt Ion:276 Resp: 45143
 Ion Ratio Lower Upper
 276 100
 138 21.9 20.4 30.6
 277 23.2 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 105.973 ng
 RT: 15.068 min Scan# 2207
 Delta R.T. 0.012 min
 Lab File: BF136161.D
 Acq: 06 Nov 2023 18:29

Tgt Ion:252 Resp: 990520
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.7 26.5
 125 9.0 7.5 11.3





#89

Benzo(k)fluoranthene

Concen: 107.104 ng

RT: 15.068 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF136161.D

Acq: 06 Nov 2023 18:29

Instrument :

BNA_F

ClientSampleId :

WC-6

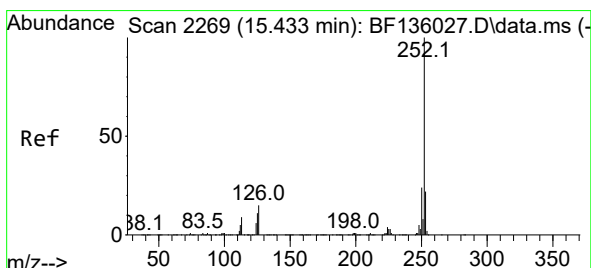
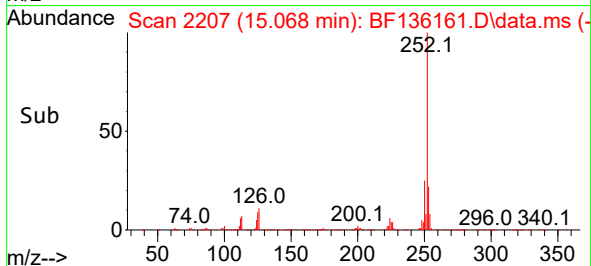
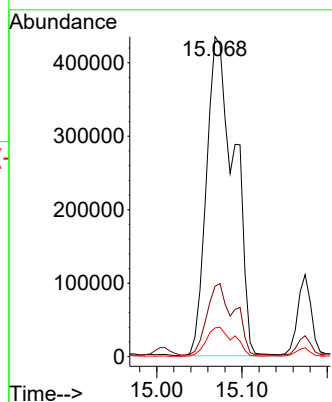
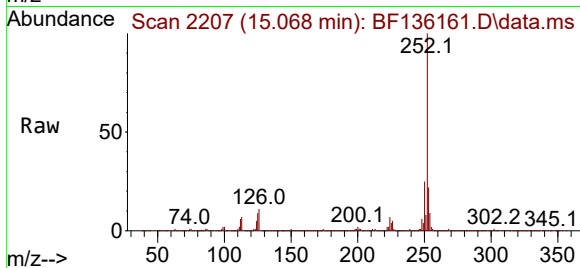
Tgt Ion:252 Resp: 990520

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

125 9.0 8.0 12.0



#90

Benzo(a)pyrene

Concen: 51.942 ng

RT: 15.445 min Scan# 2271

Delta R.T. 0.012 min

Lab File: BF136161.D

Acq: 06 Nov 2023 18:29

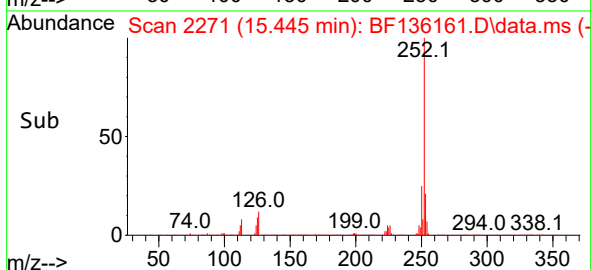
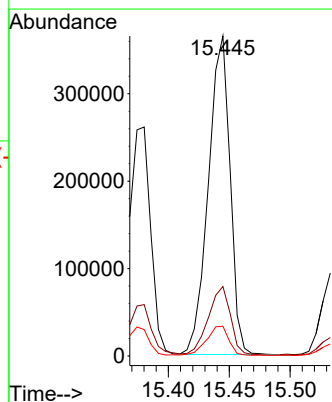
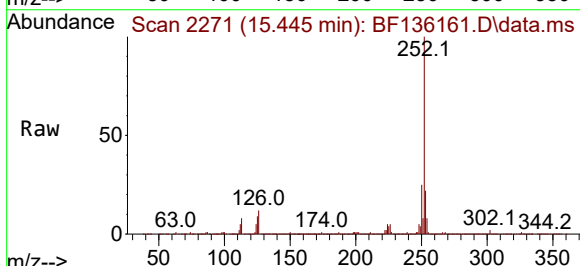
Tgt Ion:252 Resp: 451103

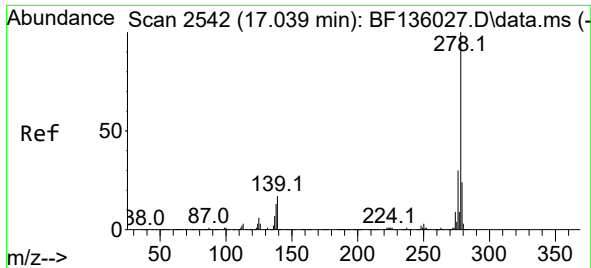
Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

125 9.3 9.0 13.6

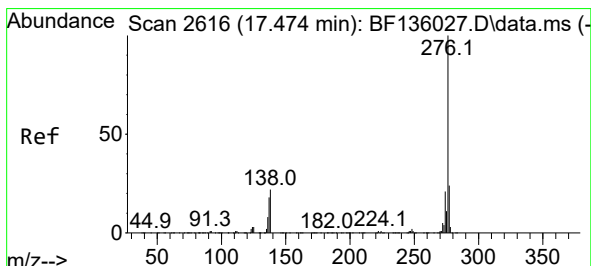
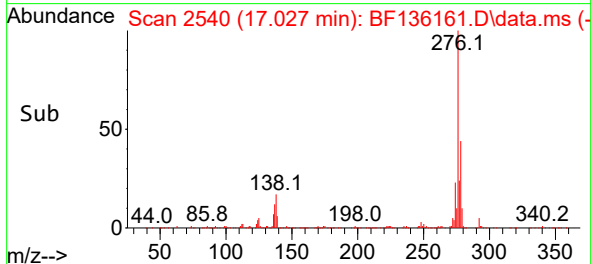
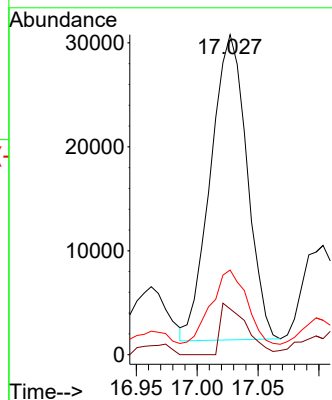
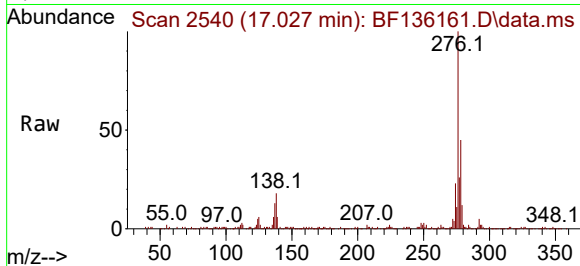




#91
Dibenzo(a,h)anthracene
Concen: 7.212 ng
RT: 17.027 min Scan# 2540
Delta R.T. -0.012 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

Instrument :
BNA_F
ClientSampleId :
WC-6

Tgt Ion:278 Resp: 60992
Ion Ratio Lower Upper
278 100
139 14.3 13.7 20.5
279 26.5 19.0 28.6



#92
Benzo(g,h,i)perylene
Concen: 22.981 ng
RT: 17.474 min Scan# 2616
Delta R.T. 0.000 min
Lab File: BF136161.D
Acq: 06 Nov 2023 18:29

Tgt Ion:276 Resp: 205796
Ion Ratio Lower Upper
276 100
277 21.9 19.0 28.4
138 17.7 17.4 26.2

