

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
 Data File : BF136736.D
 Acq On : 27 Dec 2023 00:09
 Operator : CG\JU
 Sample : 05862-10DL 50X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOLIDS-20231213-01DL

Quant Time: Dec 27 04:01:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

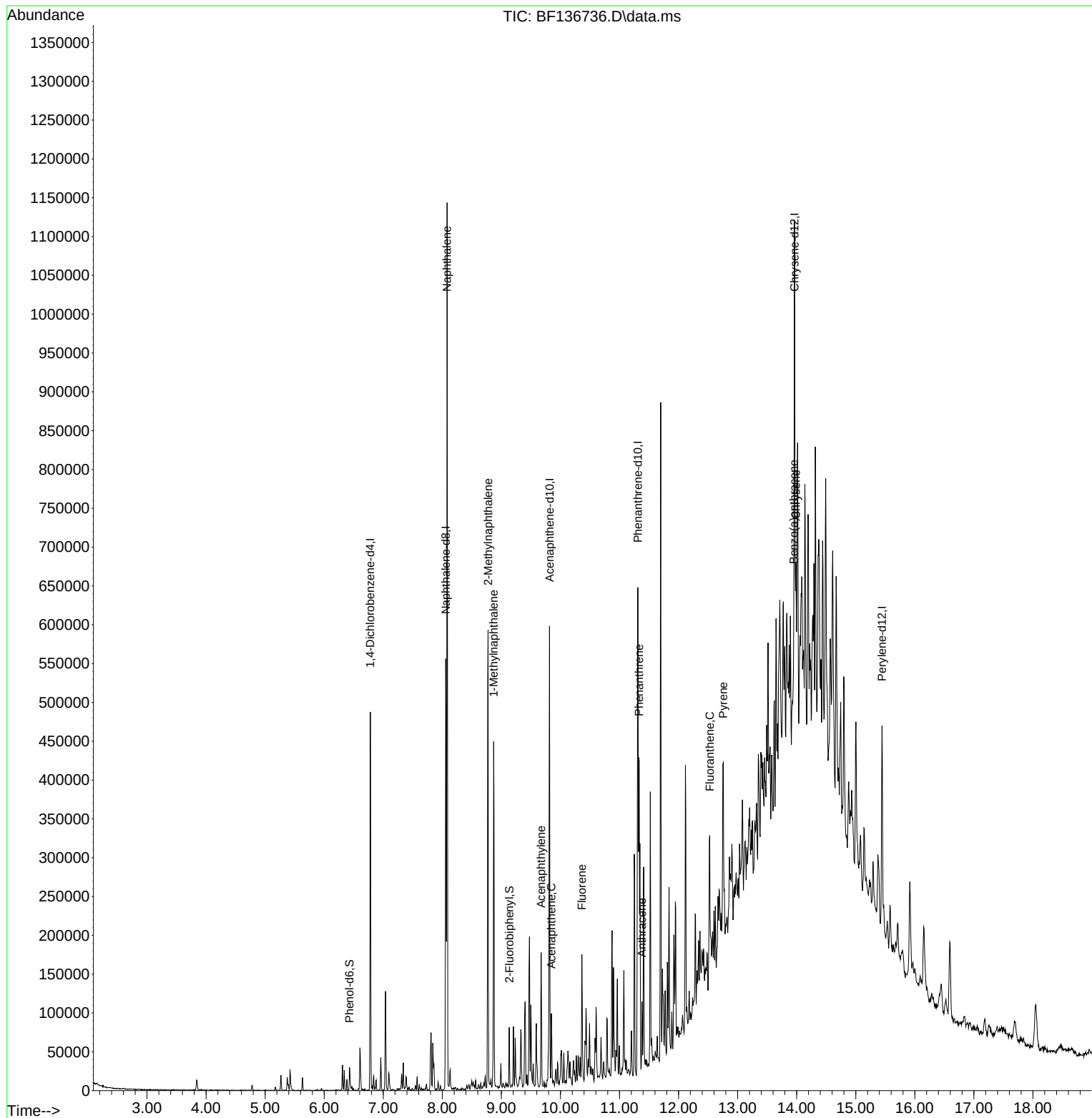
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	65988	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	240824	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	106932	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	163159	20.000	ng	0.00
76) Chrysene-d12	13.963	240	134469	20.000	ng	0.00
86) Perylene-d12	15.445	264	121781	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	8333	1.970	ng	0.00
7) Phenol-d6	6.428	99	12023	2.194	ng	-0.01
23) Nitrobenzene-d5	7.339	82	9077	1.929	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	2319	1.841	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	20336	2.558	ng	-0.02
79) Terphenyl-d14	12.898	244	17827	1.853	ng	-0.02
Target Compounds						
						Qvalue
31) Naphthalene	8.081	128	443157	33.496	ng	99
37) 2-Methylnaphthalene	8.775	142	157952	18.551	ng	100
38) 1-Methylnaphthalene	8.869	142	113289	13.562	ng	96
49) Acenaphthylene	9.675	152	46273	4.438	ng	# 97
52) Acenaphthene	9.845	154	17667	2.733	ng	99
58) Fluorene	10.363	166	43061	5.539	ng	96
71) Phenanthrene	11.333	178	149589	17.868	ng	97
72) Anthracene	11.380	178	29584	3.489	ng	98
75) Fluoranthene	12.527	202	48071	5.368	ng	85
78) Pyrene	12.757	202	80309	6.084	ng	96
81) Benzo(a)anthracene	13.951	228	33545	3.593	ng	# 87
83) Chrysene	13.986	228	31454	3.445	ng	# 93

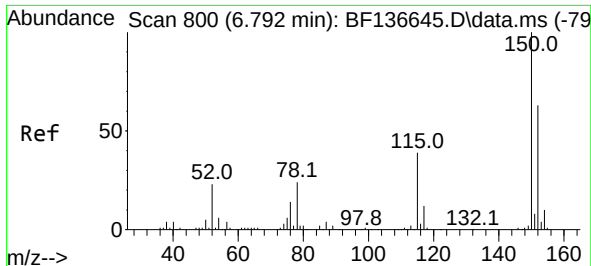
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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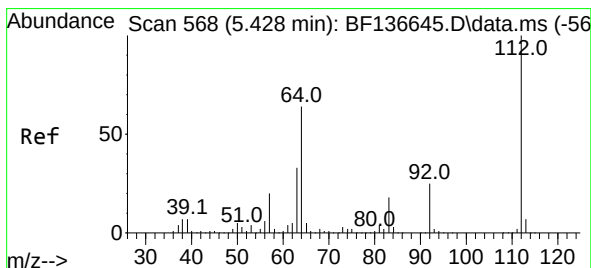
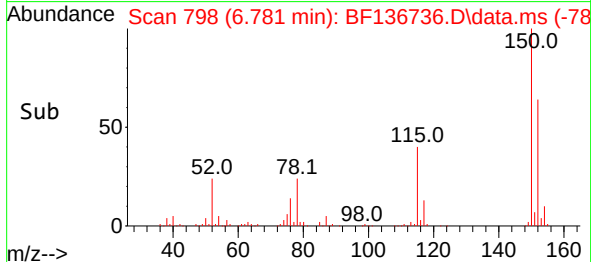
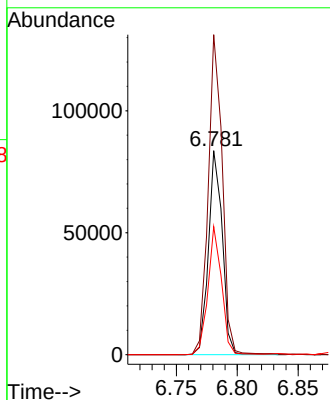
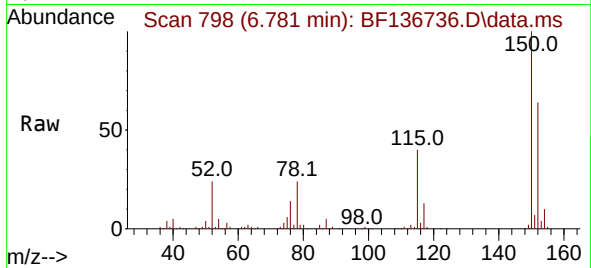




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136736.D
Acq: 27 Dec 2023 00:09

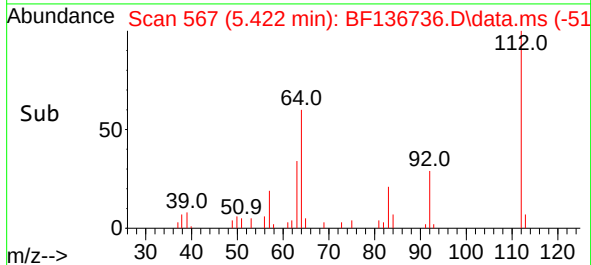
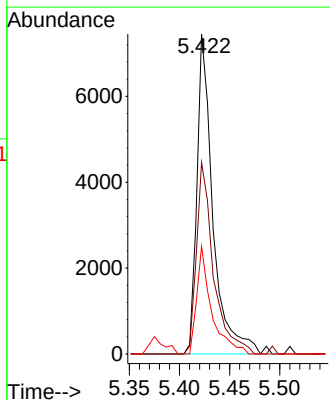
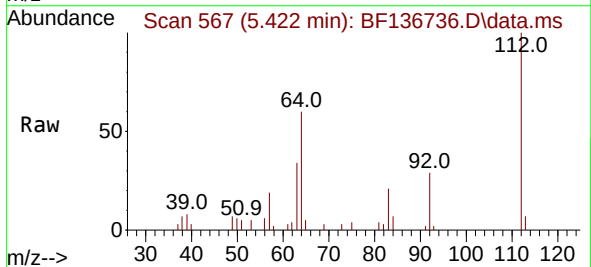
Instrument :
BNA_F
ClientSampleId :
WC-SOLIDS-20231213-01DL

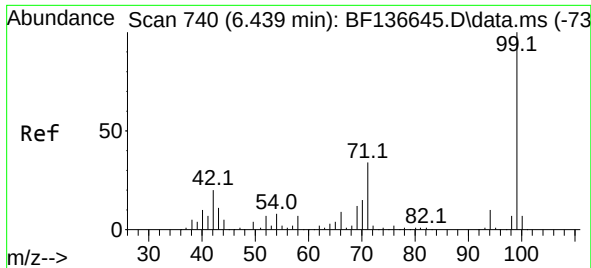
Tgt Ion:152 Resp: 65988
Ion Ratio Lower Upper
152 100
150 156.8 127.0 190.6
115 62.7 49.0 73.4



#5
2-Fluorophenol
Concen: 1.970 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136736.D
Acq: 27 Dec 2023 00:09

Tgt Ion:112 Resp: 8333
Ion Ratio Lower Upper
112 100
64 59.9 51.1 76.7
63 33.7 26.1 39.1

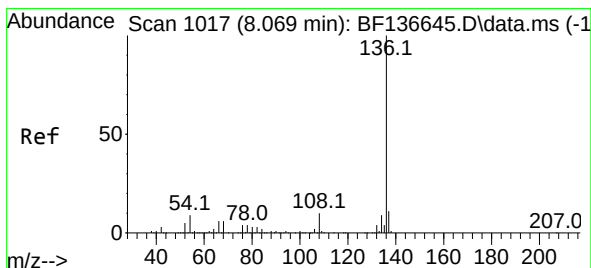
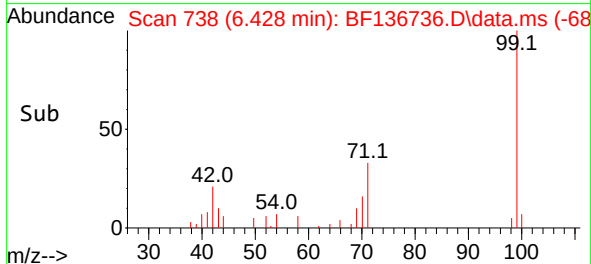
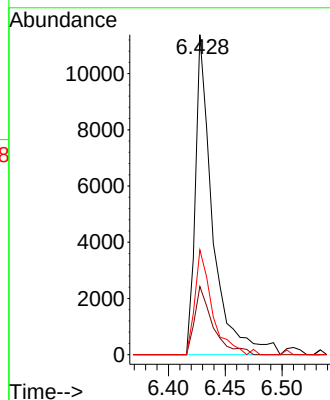
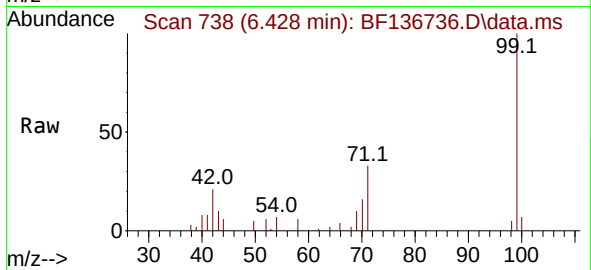




#7
Phenol-d6
Concen: 2.194 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136736.D
Acq: 27 Dec 2023 00:09

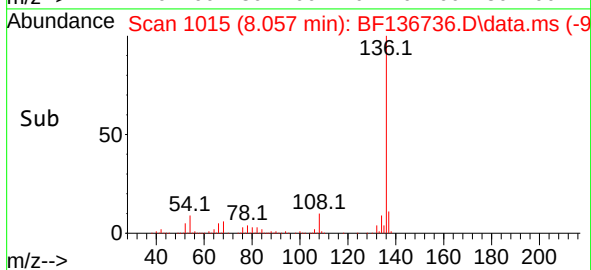
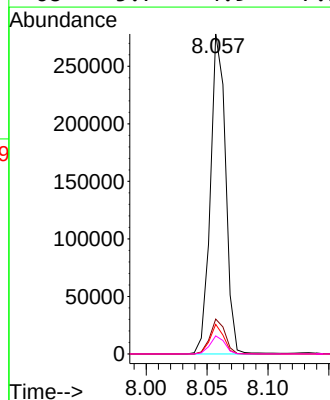
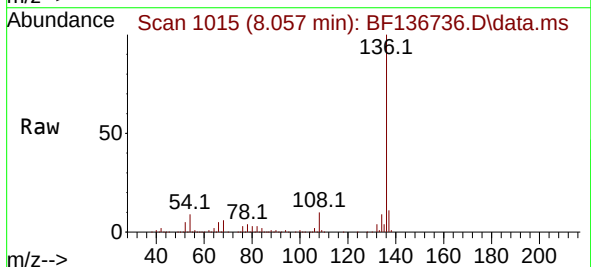
Instrument :
BNA_F
ClientSampleId :
WC-SOLIDS-20231213-01DL

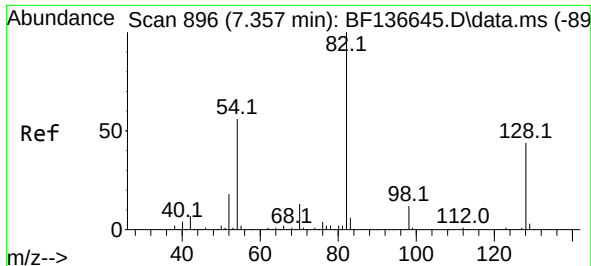
Tgt Ion: 99 Resp: 12023
Ion Ratio Lower Upper
99 100
42 21.3 16.1 24.1
71 32.8 27.4 41.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136736.D
Acq: 27 Dec 2023 00:09

Tgt Ion:136 Resp: 240824
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 9.3 7.2 10.8
68 5.7 4.9 7.3





#23

Nitrobenzene-d5

Concen: 1.929 ng

RT: 7.339 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF136736.D

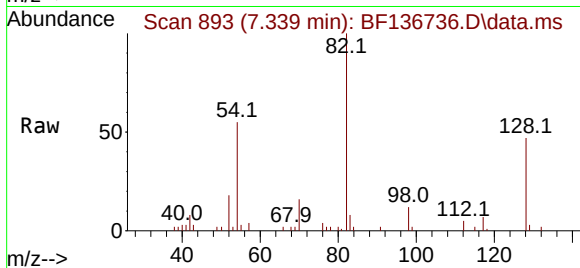
Acq: 27 Dec 2023 00:09

Instrument :

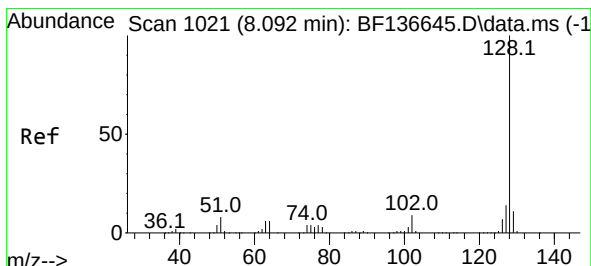
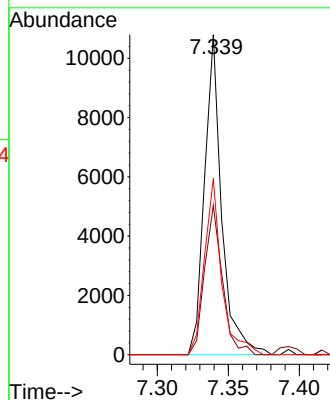
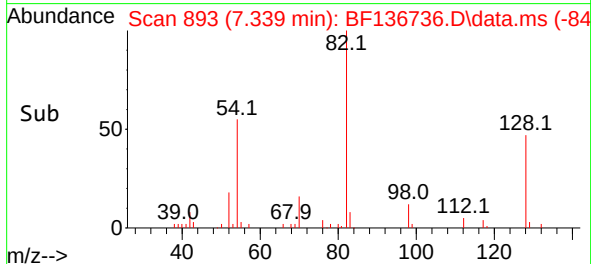
BNA_F

ClientSampleId :

WC-SOLIDS-20231213-01DL



Tgt Ion:	82	Resp:	9077
Ion	Ratio	Lower	Upper
82	100		
128	46.6	35.3	52.9
54	55.1	44.5	66.7



#31

Naphthalene

Concen: 33.496 ng

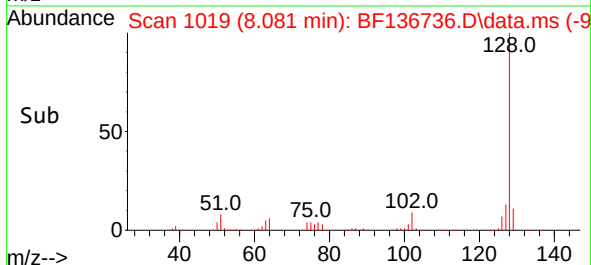
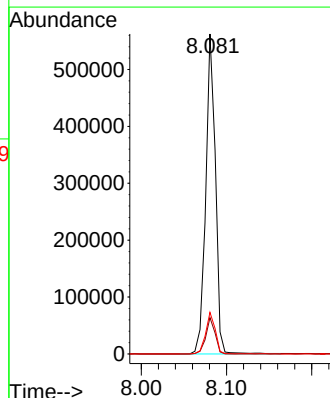
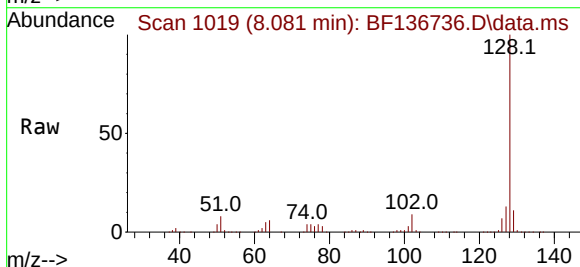
RT: 8.081 min Scan# 1019

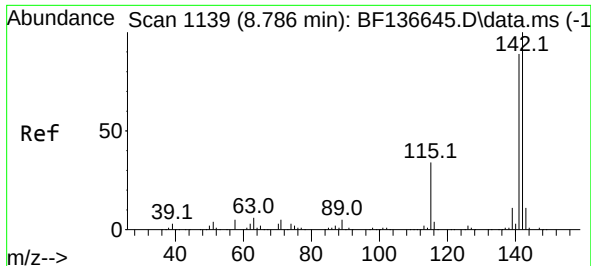
Delta R.T. -0.012 min

Lab File: BF136736.D

Acq: 27 Dec 2023 00:09

Tgt Ion:	128	Resp:	443157
Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.7	13.1
127	13.0	10.8	16.2

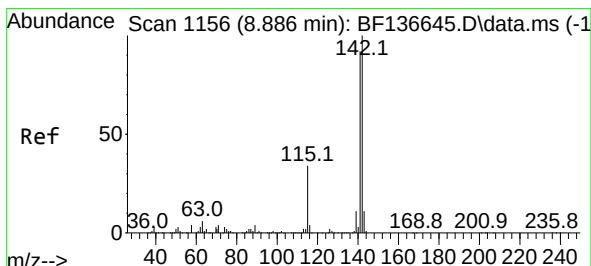
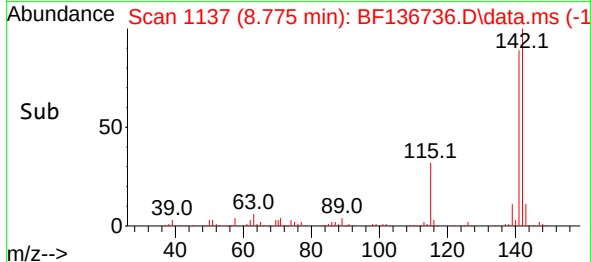
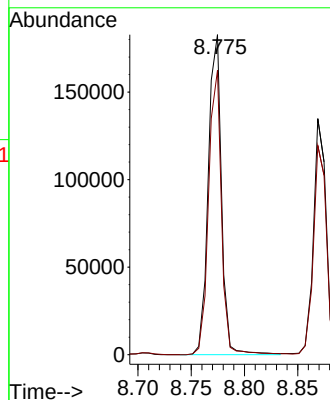
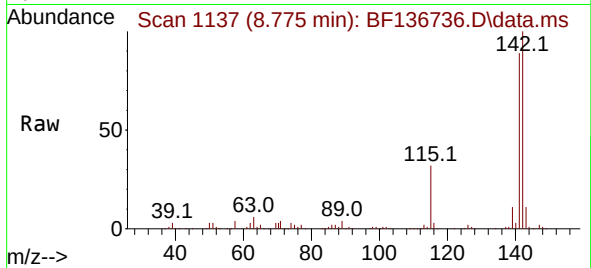




#37
2-Methylnaphthalene
Concen: 18.551 ng
RT: 8.775 min Scan# 1137
Delta R.T. -0.012 min
Lab File: BF136736.D
Acq: 27 Dec 2023 00:09

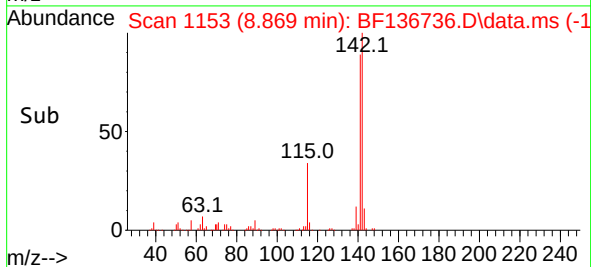
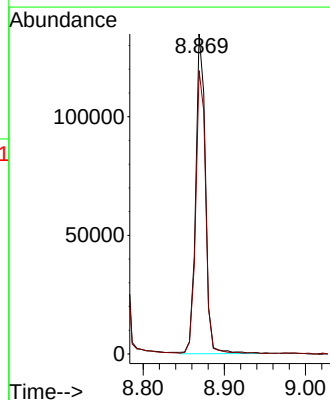
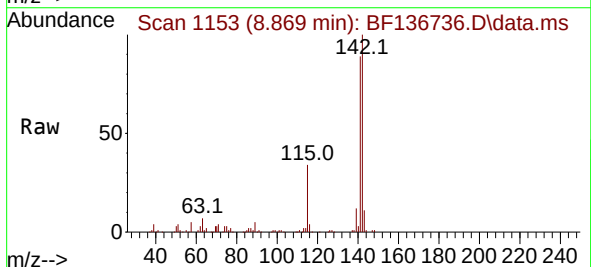
Instrument :
BNA_F
ClientSampleId :
WC-SOLIDS-20231213-01DL

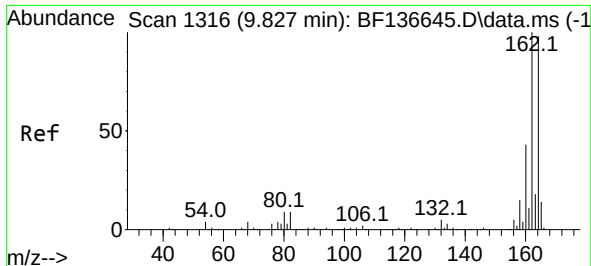
Tgt Ion:142 Resp: 157952
Ion Ratio Lower Upper
142 100
141 88.9 71.1 106.7



#38
1-Methylnaphthalene
Concen: 13.562 ng
RT: 8.869 min Scan# 1153
Delta R.T. -0.018 min
Lab File: BF136736.D
Acq: 27 Dec 2023 00:09

Tgt Ion:142 Resp: 113289
Ion Ratio Lower Upper
142 100
141 88.6 73.6 110.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136736.D

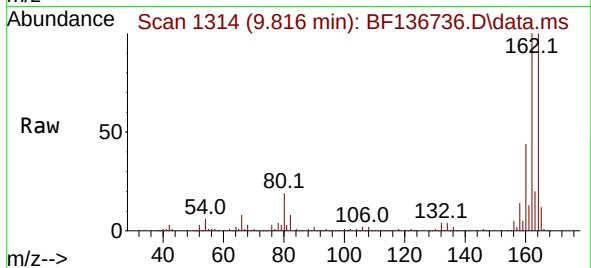
Acq: 27 Dec 2023 00:09

Instrument :

BNA_F

ClientSampleId :

WC-SOLIDS-20231213-01DL



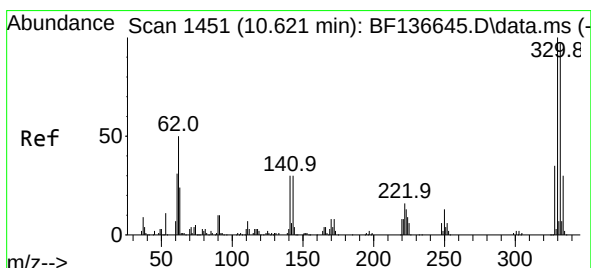
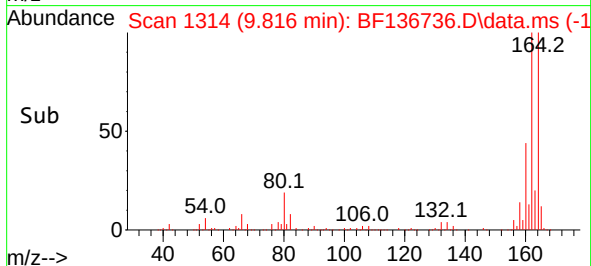
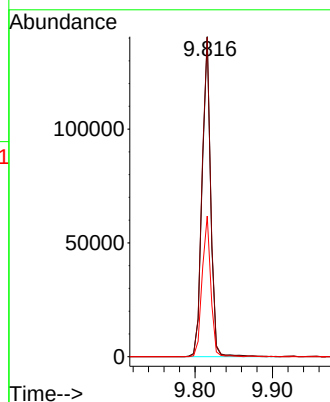
Tgt Ion:164 Resp: 106932

Ion Ratio Lower Upper

164 100

162 99.9 81.6 122.4

160 44.0 34.9 52.3



#42

2,4,6-Tribromophenol

Concen: 1.841 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF136736.D

Acq: 27 Dec 2023 00:09

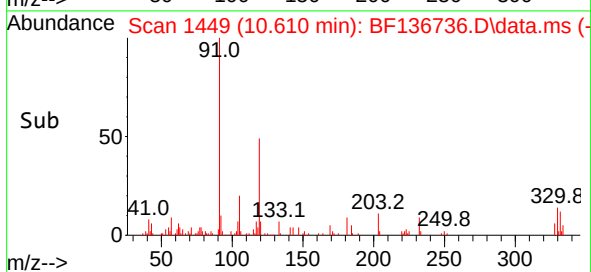
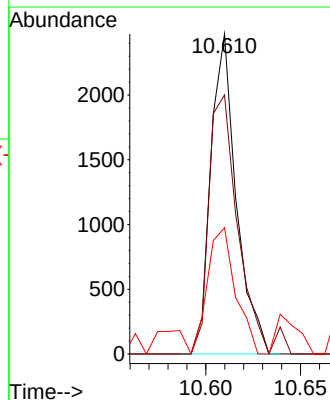
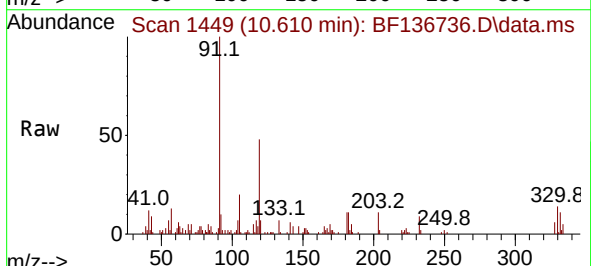
Tgt Ion:330 Resp: 2319

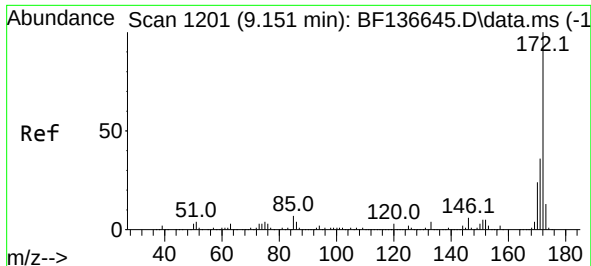
Ion Ratio Lower Upper

330 100

332 93.3 77.4 116.0

141 43.3 23.4 35.2#





#45

2-Fluorobiphenyl

Concen: 2.558 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF136736.D

Acq: 27 Dec 2023 00:09

Instrument :

BNA_F

ClientSampleId :

WC-SOLIDS-20231213-01DL

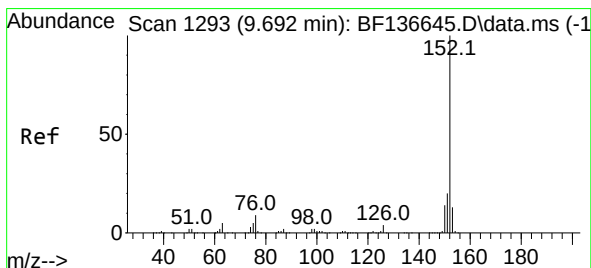
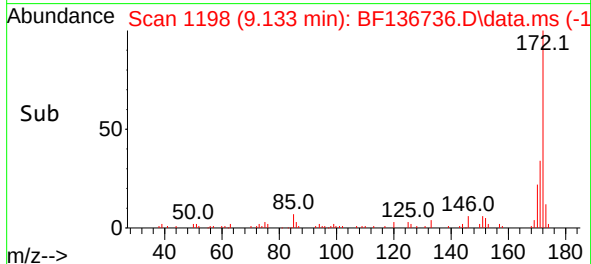
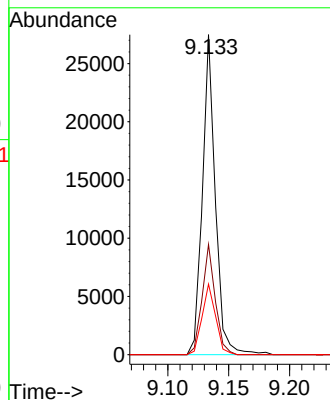
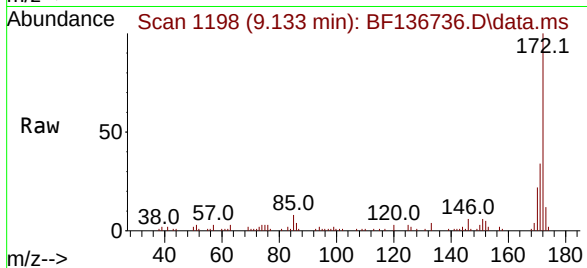
Tgt Ion:172 Resp: 20336

Ion Ratio Lower Upper

172 100

171 34.4 29.0 43.6

170 22.1 19.0 28.4



#49

Acenaphthylene

Concen: 4.438 ng

RT: 9.675 min Scan# 1290

Delta R.T. -0.018 min

Lab File: BF136736.D

Acq: 27 Dec 2023 00:09

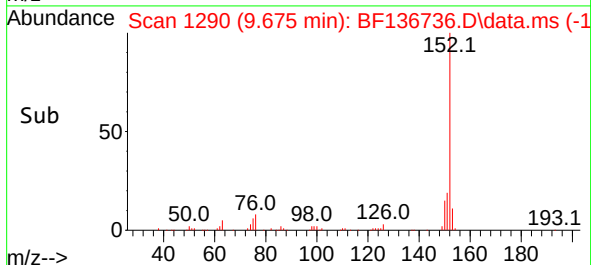
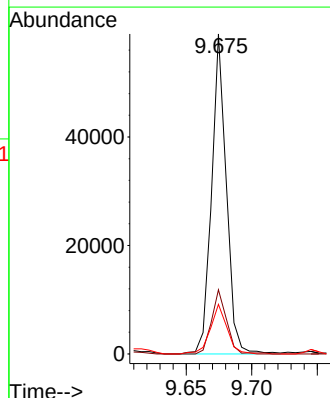
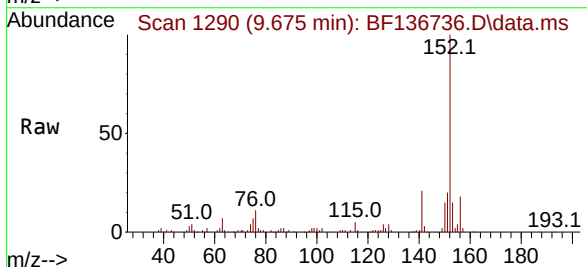
Tgt Ion:152 Resp: 46273

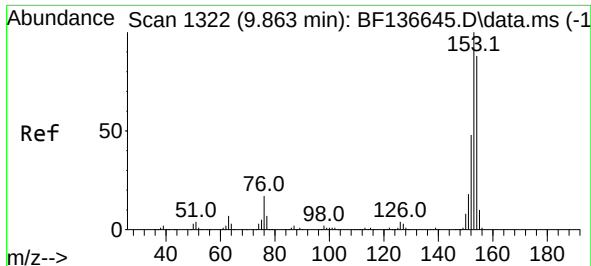
Ion Ratio Lower Upper

152 100

151 20.0 16.2 24.4

153 15.5 10.2 15.2#

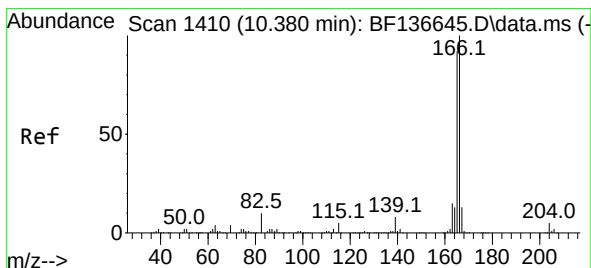
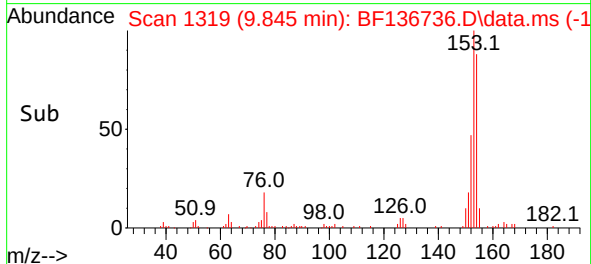
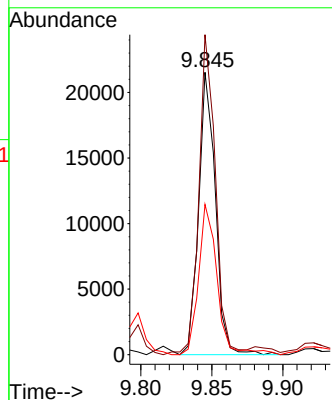
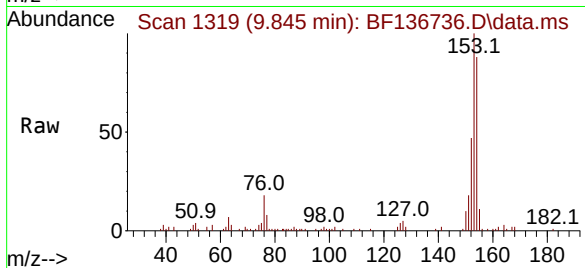




#52
Acenaphthene
Concen: 2.733 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136736.D
Acq: 27 Dec 2023 00:09

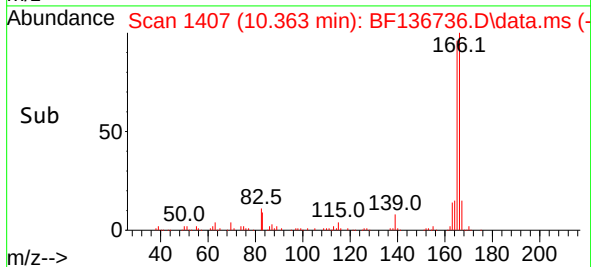
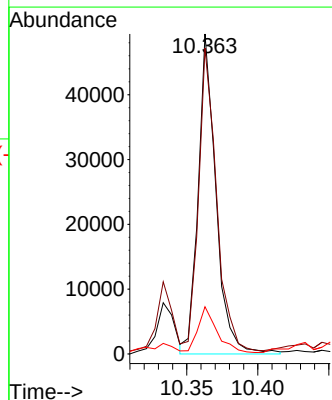
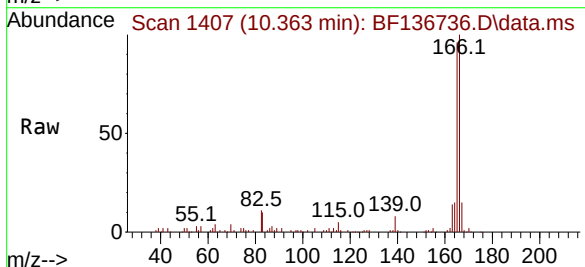
Instrument :
BNA_F
ClientSampleId :
WC-SOLIDS-20231213-01DL

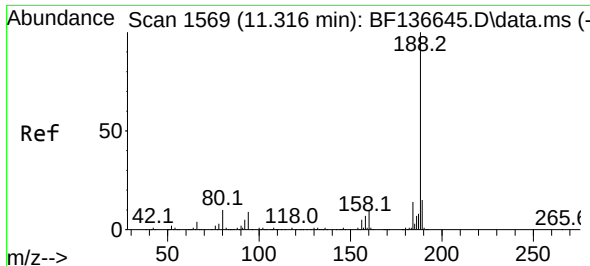
Tgt Ion:154 Resp: 17667
Ion Ratio Lower Upper
154 100
153 113.3 90.7 136.1
152 53.2 43.7 65.5



#58
Fluorene
Concen: 5.539 ng
RT: 10.363 min Scan# 1407
Delta R.T. -0.018 min
Lab File: BF136736.D
Acq: 27 Dec 2023 00:09

Tgt Ion:166 Resp: 43061
Ion Ratio Lower Upper
166 100
165 95.6 73.7 110.5
167 14.7 10.4 15.6

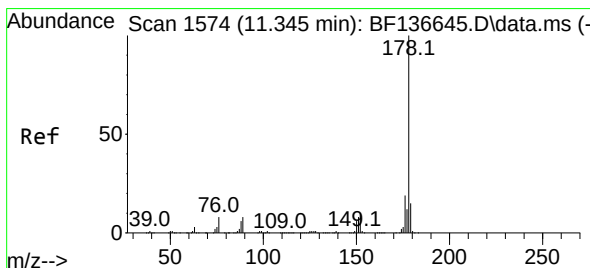
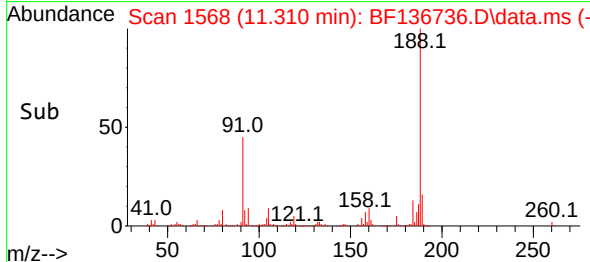
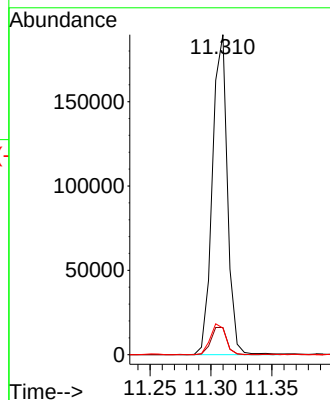
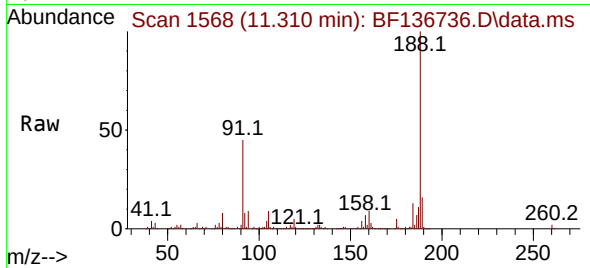




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF136736.D
Acq: 27 Dec 2023 00:09

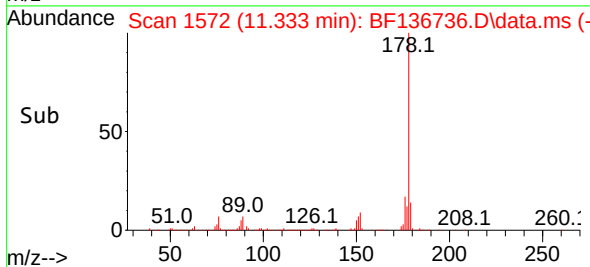
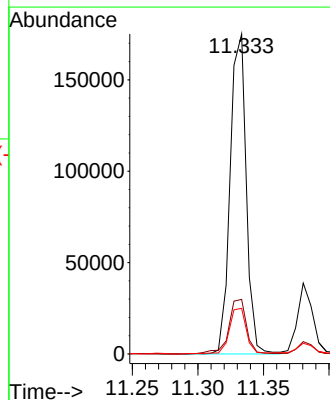
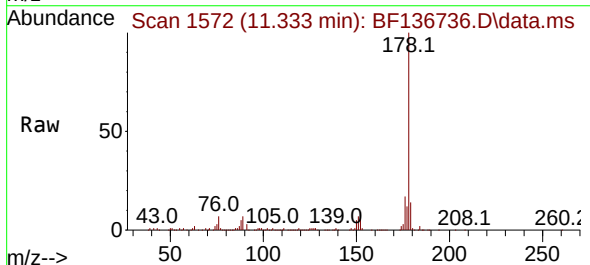
Instrument :
BNA_F
ClientSampleId :
WC-SOLIDS-20231213-01DL

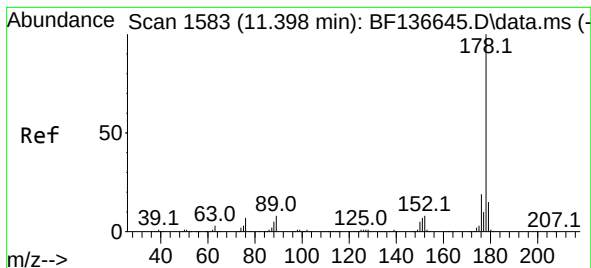
Tgt Ion:188 Resp: 163159
Ion Ratio Lower Upper
188 100
94 8.5 7.5 11.3
80 8.3 8.1 12.1



#71
Phenanthrene
Concen: 17.868 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136736.D
Acq: 27 Dec 2023 00:09

Tgt Ion:178 Resp: 149589
Ion Ratio Lower Upper
178 100
176 17.1 15.3 22.9
179 14.2 11.9 17.9

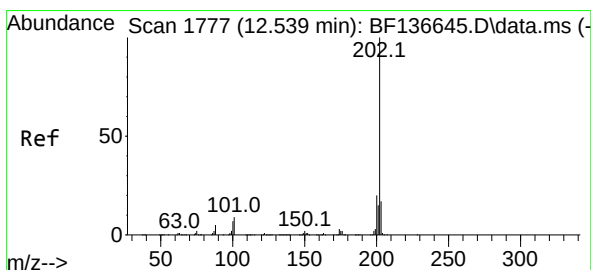
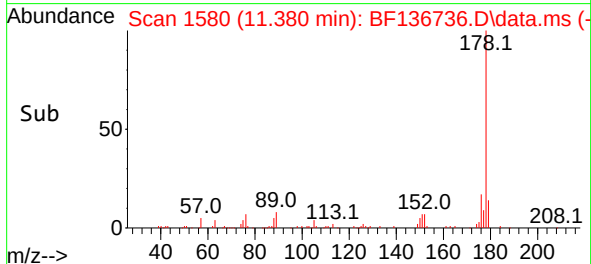
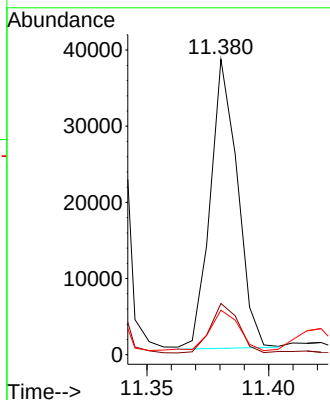
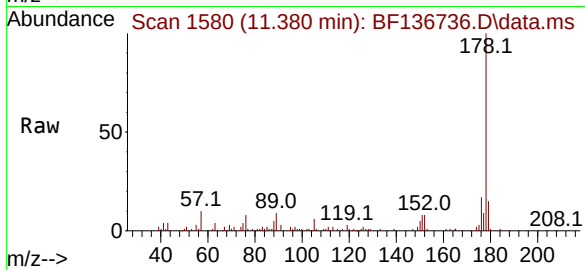




#72
Anthracene
Concen: 3.489 ng
RT: 11.380 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136736.D
Acq: 27 Dec 2023 00:09

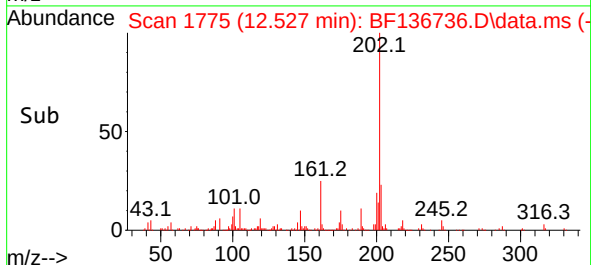
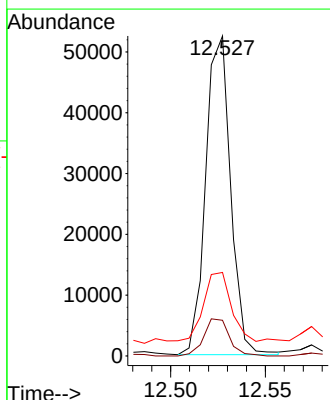
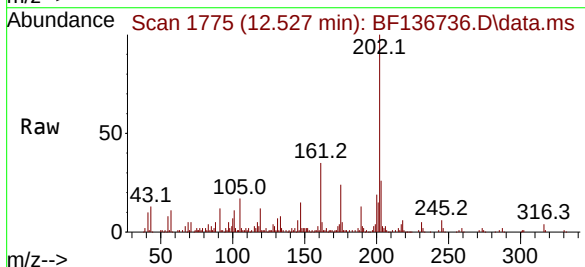
Instrument :
BNA_F
ClientSampleId :
WC-SOLIDS-20231213-01DL

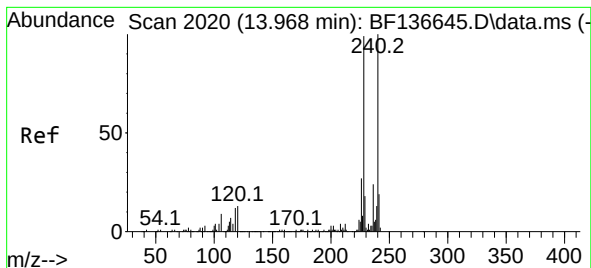
Tgt Ion:	178	Resp:	29584
Ion Ratio	Lower	Upper	
178	100		
176	17.3	14.9	22.3
179	15.1	11.8	17.6



#75
Fluoranthene
Concen: 5.368 ng
RT: 12.527 min Scan# 1775
Delta R.T. -0.012 min
Lab File: BF136736.D
Acq: 27 Dec 2023 00:09

Tgt Ion:	202	Resp:	48071
Ion Ratio	Lower	Upper	
202	100		
101	11.2	0.0	29.3
203	26.1	0.0	37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136736.D

Acq: 27 Dec 2023 00:09

Instrument :

BNA_F

ClientSampleId :

WC-SOLIDS-20231213-01DL

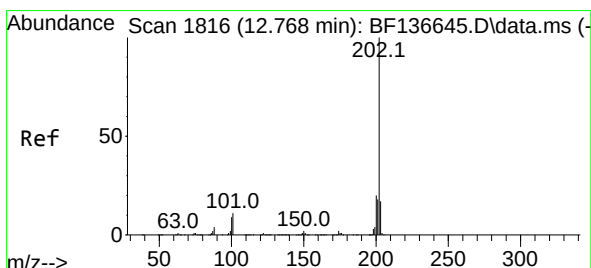
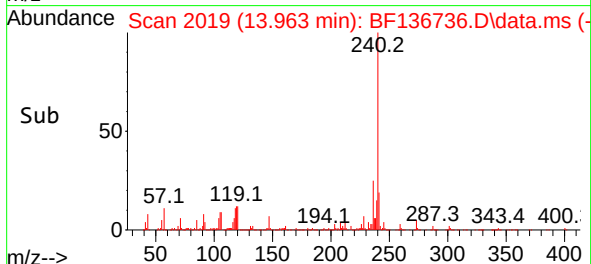
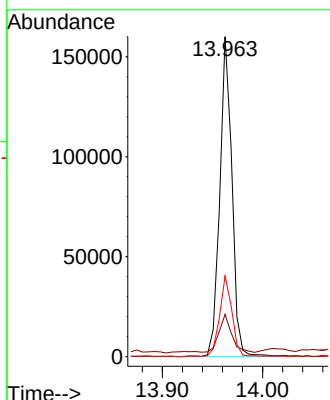
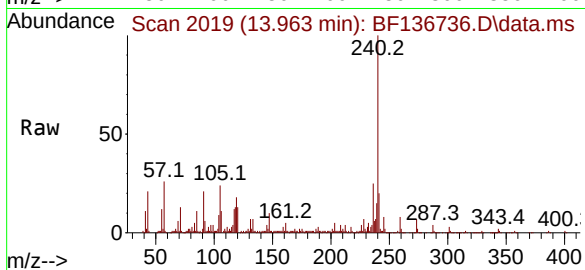
Tgt Ion:240 Resp: 134469

Ion Ratio Lower Upper

240 100

120 13.2 10.3 15.5

236 25.2 19.4 29.2



#78

Pyrene

Concen: 6.084 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136736.D

Acq: 27 Dec 2023 00:09

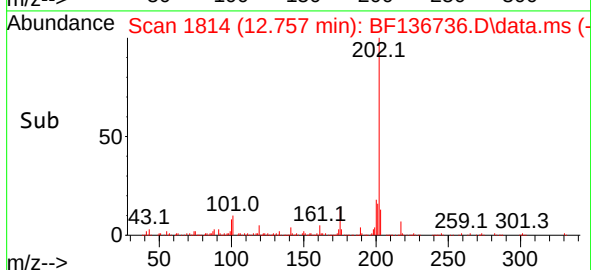
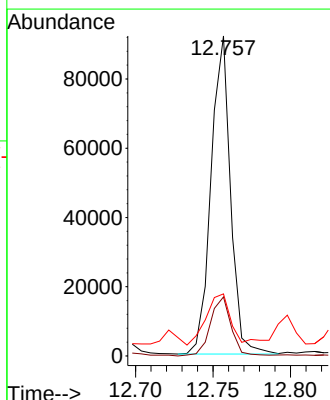
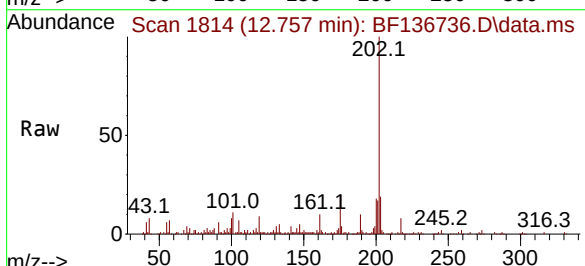
Tgt Ion:202 Resp: 80309

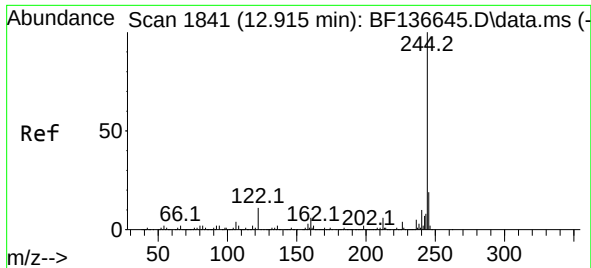
Ion Ratio Lower Upper

202 100

200 18.4 15.9 23.9

203 19.4 13.8 20.6





#79

Terphenyl-d14

Concen: 1.853 ng

RT: 12.898 min Scan# 1838

Delta R.T. -0.018 min

Lab File: BF136736.D

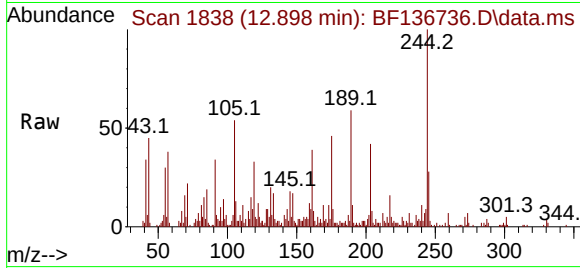
Acq: 27 Dec 2023 00:09

Instrument :

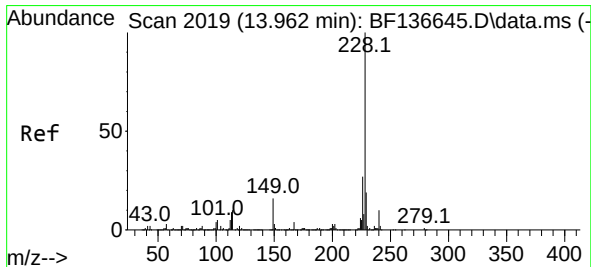
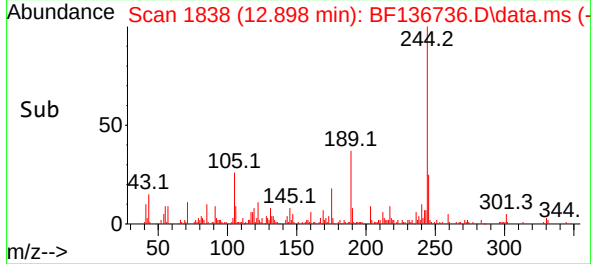
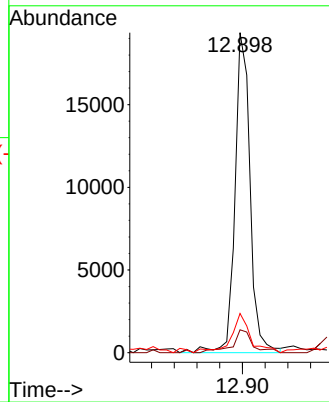
BNA_F

ClientSampleId :

WC-SOLIDS-20231213-01DL



Tgt Ion:	244	Resp:	17827
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.0	7.4
122	12.3	9.0	13.4



#81

Benzo(a)anthracene

Concen: 3.593 ng

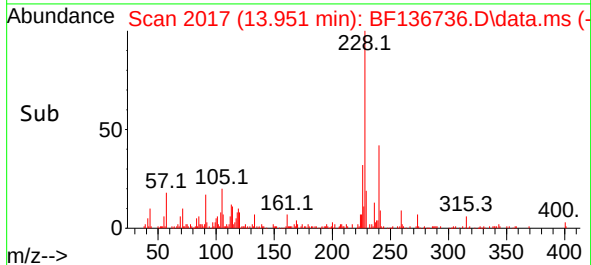
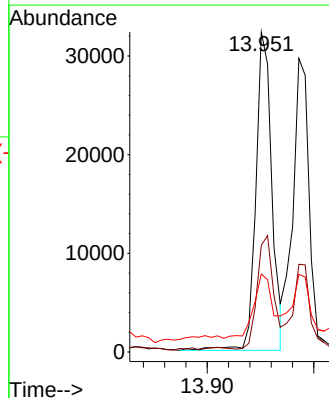
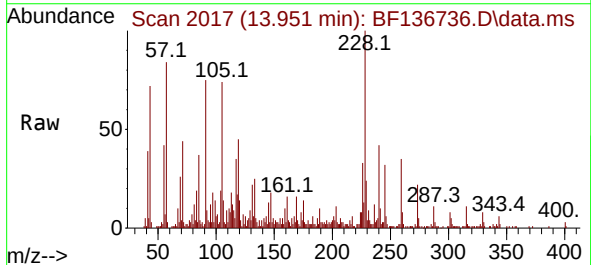
RT: 13.951 min Scan# 2017

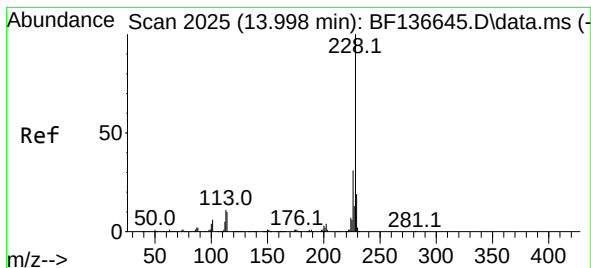
Delta R.T. -0.012 min

Lab File: BF136736.D

Acq: 27 Dec 2023 00:09

Tgt Ion:	228	Resp:	33545
Ion Ratio	Lower	Upper	
228	100		
226	33.3	21.4	32.0#
229	24.4	14.9	22.3#





#83

Chrysene

Concen: 3.445 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136736.D

Acq: 27 Dec 2023 00:09

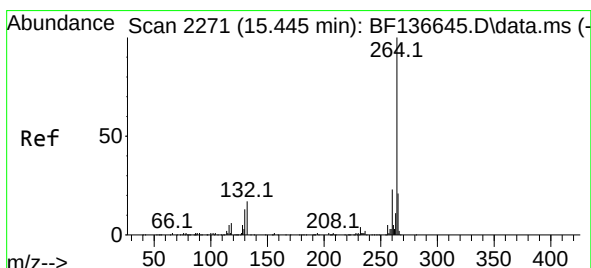
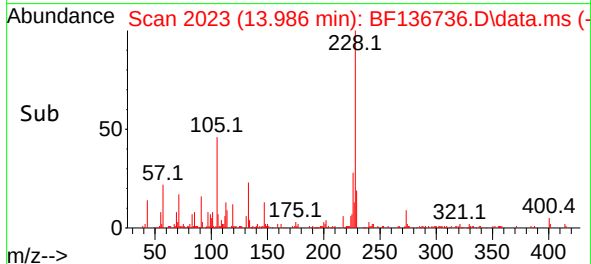
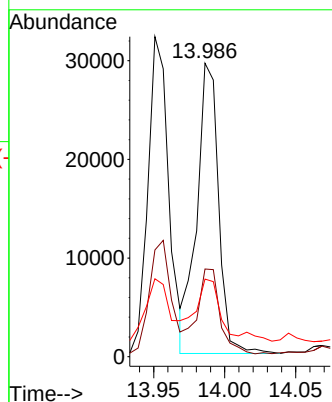
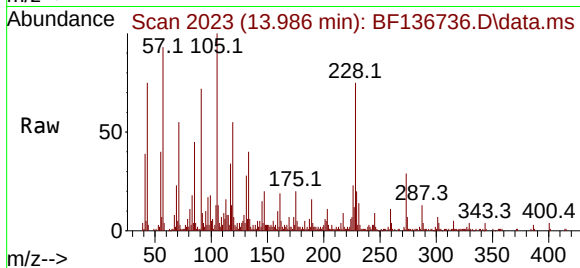
Instrument :

BNA_F

ClientSampleId :

WC-SOLIDS-20231213-01DL

Tgt Ion:228	Resp:	31454
Ion Ratio	Lower	Upper
228	100	
226	29.9	24.7 37.1
229	26.4	15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2271

Delta R.T. 0.000 min

Lab File: BF136736.D

Acq: 27 Dec 2023 00:09

Tgt Ion:264	Resp:	121781
Ion Ratio	Lower	Upper
264	100	
260	22.5	18.3 27.5
265	21.6	17.0 25.6

