

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
 Data File : BF136707.D
 Acq On : 23 Dec 2023 02:47
 Operator : CG\JU
 Sample : 05940-01 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-122023

Quant Time: Dec 23 03:45:38 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)

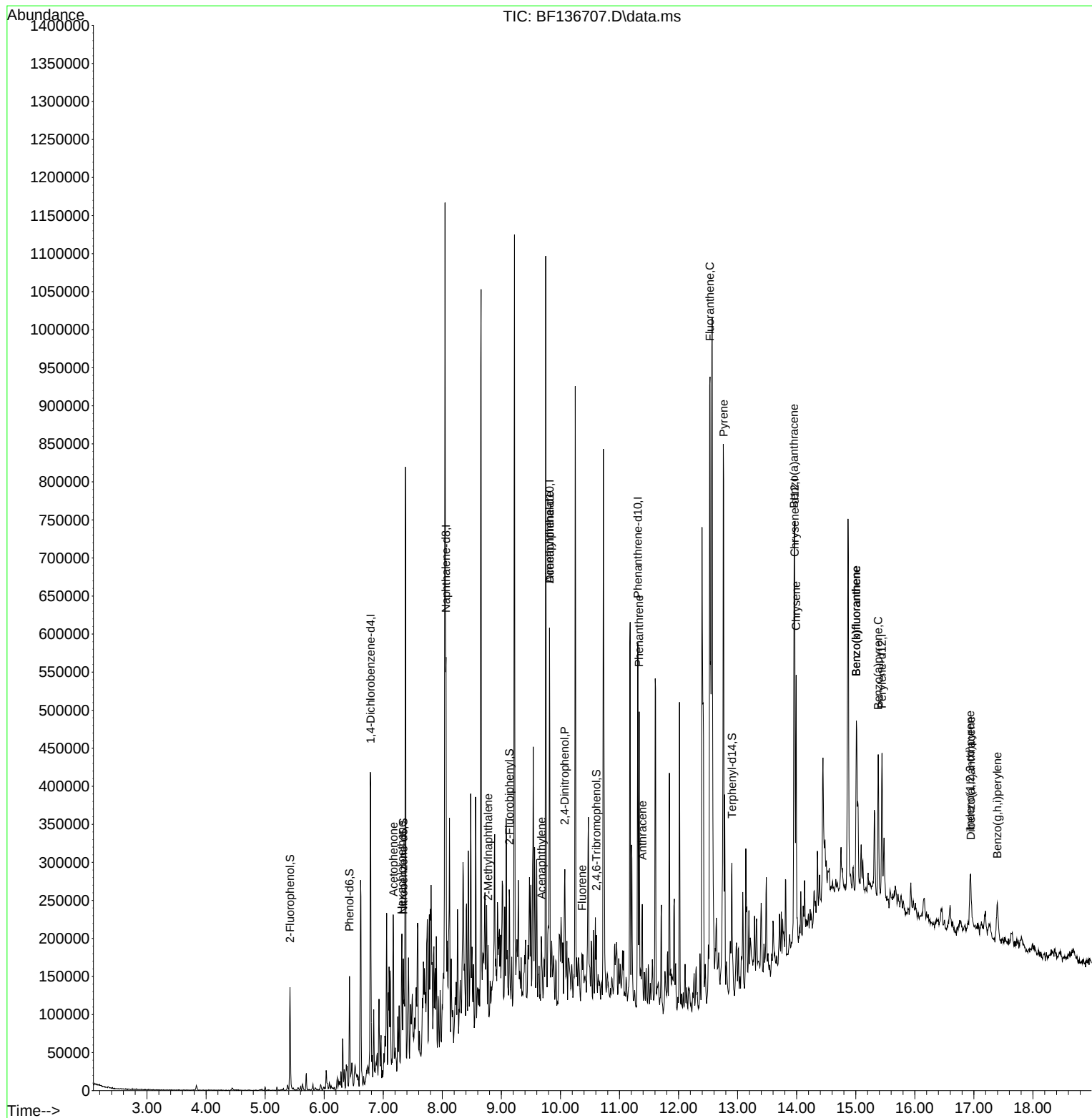
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	61211	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	194452	20.000	ng	0.00
39) Acenaphthene-d10	9.816	164	80591	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	159246	20.000	ng	0.00
76) Chrysene-d12	13.968	240	128388	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	88066	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	38196	9.736	ng	0.00
7) Phenol-d6	6.428	99	43245	8.507	ng	-0.01
23) Nitrobenzene-d5	7.340	82	26009	6.844	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	8315	8.761	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	45740	7.634	ng	-0.02
79) Terphenyl-d14	12.904	244	51967	5.656	ng	-0.01
Target Compounds						Qvalue
18) Hexachloroethane	7.310	117	7690	4.425	ng	# 1
22) Acetophenone	7.175	105	21218	4.353	ng	# 50
37) 2-Methylnaphthalene	8.775	142	17252	2.509	ng	95
49) Acenaphthylene	9.681	152	22549	2.869	ng	98
50) Dimethylphthalate	9.816	163	15308	2.601	ng	# 1
54) 2,4-Dinitrophenol	10.075	184	84	3.843	ng	# 1
58) Fluorene	10.369	166	12401	2.117	ng	# 95
71) Phenanthrene	11.333	178	127936	15.657	ng	99
72) Anthracene	11.386	178	45957	5.554	ng	99
75) Fluoranthene	12.527	202	329730	37.726	ng	96
78) Pyrene	12.763	202	314029	24.916	ng	99
81) Benzo(a)anthracene	13.957	228	160127	17.961	ng	94
83) Chrysene	13.992	228	138795	15.920	ng	97
87) Indeno(1,2,3-cd)pyrene	16.939	276	50153	7.888	ng	# 94
88) Benzo(b)fluoranthene	15.010	252	168603	28.664	ng	# 96
89) Benzo(k)fluoranthene	15.010	252	168603	30.335	ng	96
90) Benzo(a)pyrene	15.380	252	87368	17.597	ng	97
91) Dibenzo(a,h)anthracene	16.951	278	13454	2.579	ng	# 67
92) Benzo(g,h,i)perylene	17.398	276	46050	8.619	ng	97

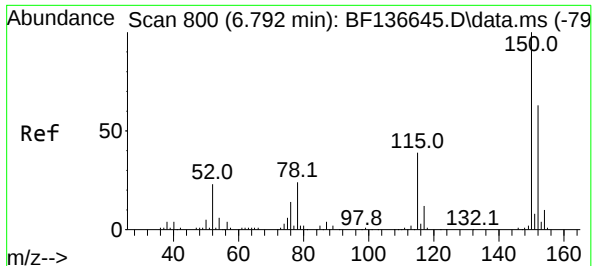
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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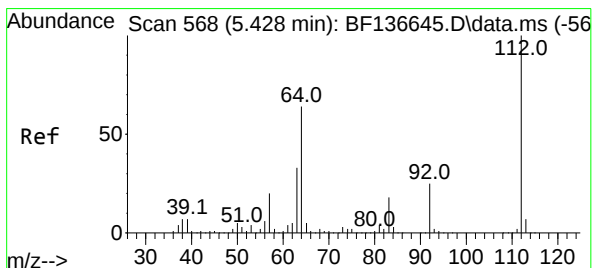
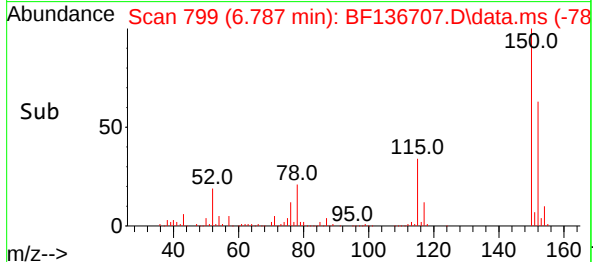
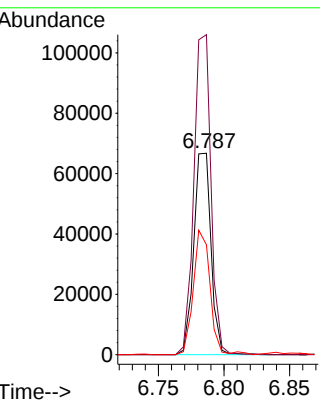
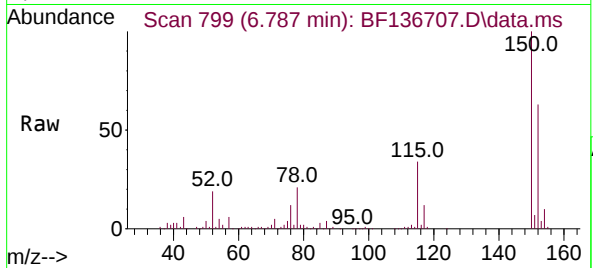




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF136707.D
Acq: 23 Dec 2023 02:47

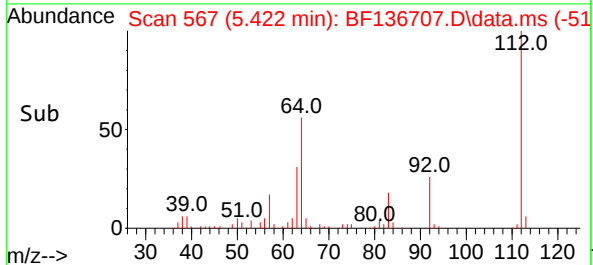
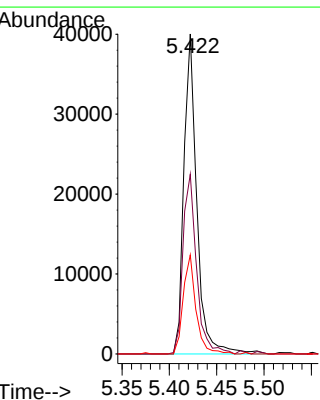
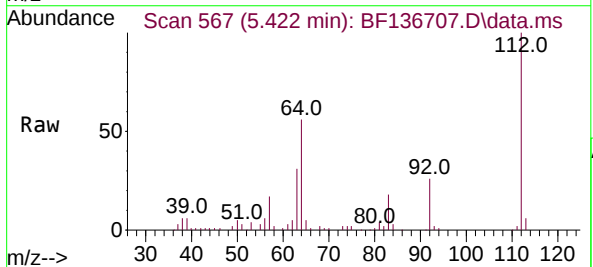
Instrument :
BNA_F
ClientSampleId :
PL-01-122023

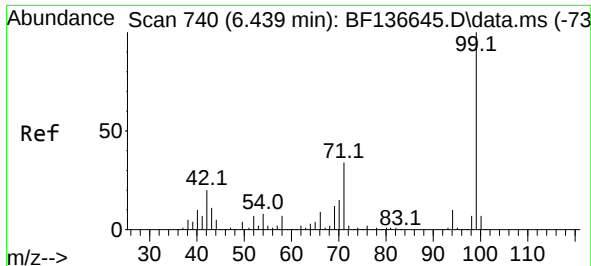
Tgt Ion:152 Resp: 61211
Ion Ratio Lower Upper
152 100
150 158.8 127.0 190.6
115 54.6 49.0 73.4



#5
2-Fluorophenol
Concen: 9.736 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136707.D
Acq: 23 Dec 2023 02:47

Tgt Ion:112 Resp: 38196
Ion Ratio Lower Upper
112 100
64 56.2 51.1 76.7
63 30.9 26.1 39.1

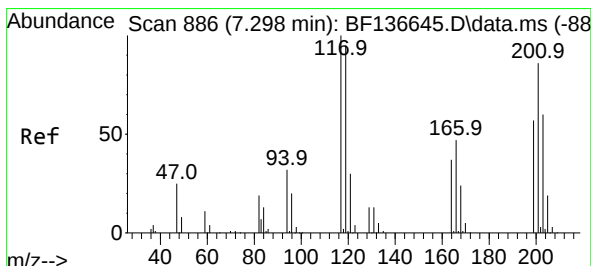
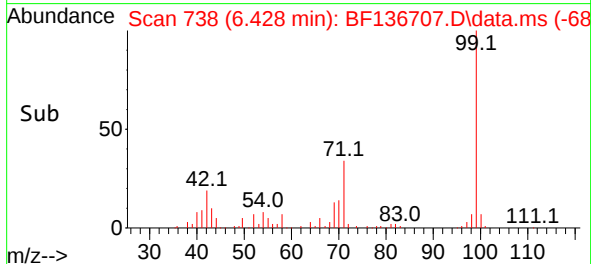
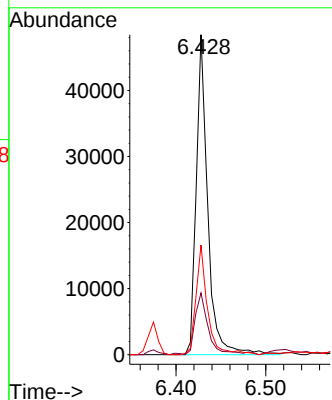
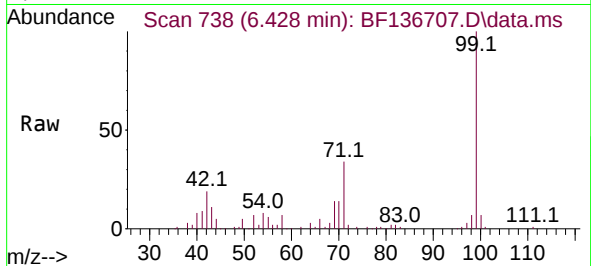




#7
Phenol-d6
Concen: 8.507 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136707.D
Acq: 23 Dec 2023 02:47

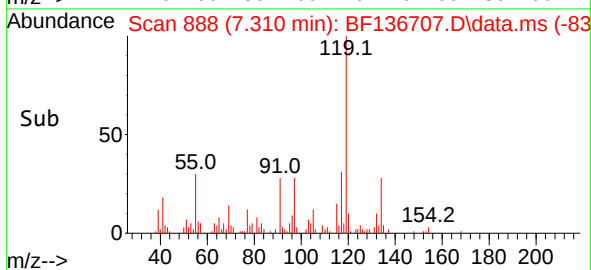
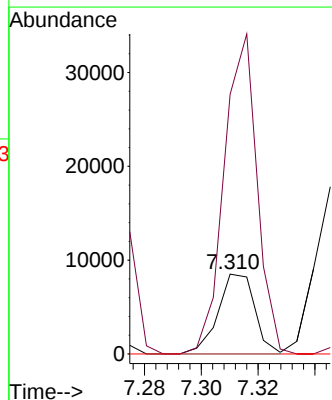
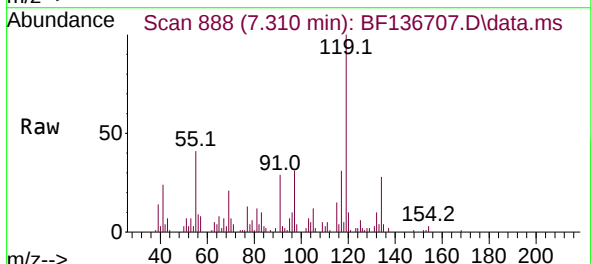
Instrument :
BNA_F
ClientSampleId :
PL-01-122023

Tgt Ion: 99 Resp: 43245
Ion Ratio Lower Upper
99 100
42 19.3 16.1 24.1
71 34.2 27.4 41.2



#18
Hexachloroethane
Concen: 4.425 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.012 min
Lab File: BF136707.D
Acq: 23 Dec 2023 02:47

Tgt Ion: 117 Resp: 7690
Ion Ratio Lower Upper
117 100
119 325.5 75.8 113.6#
201 0.0 69.1 103.7#

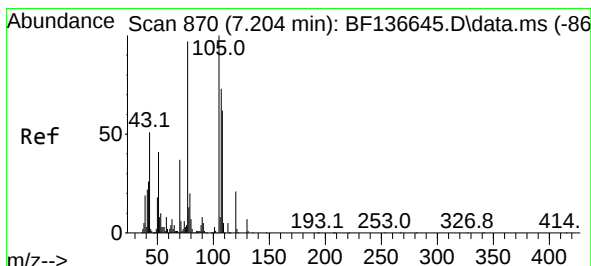
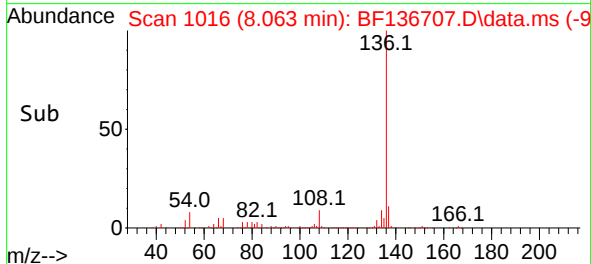
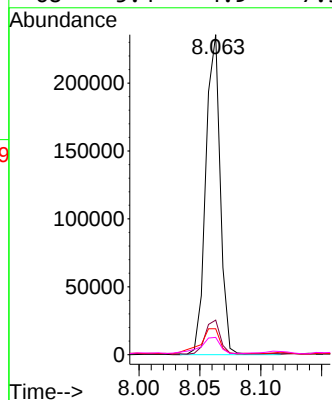
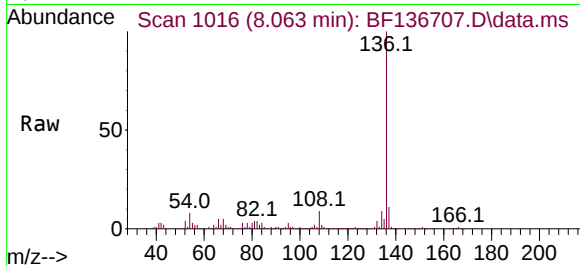




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF136707.D
Acq: 23 Dec 2023 02:47

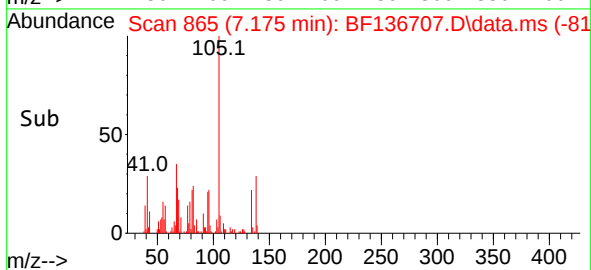
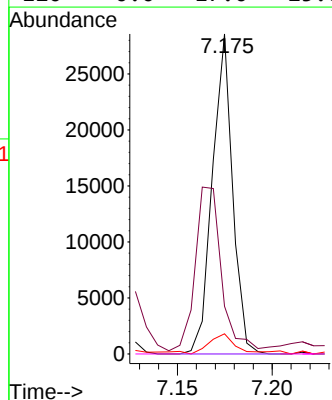
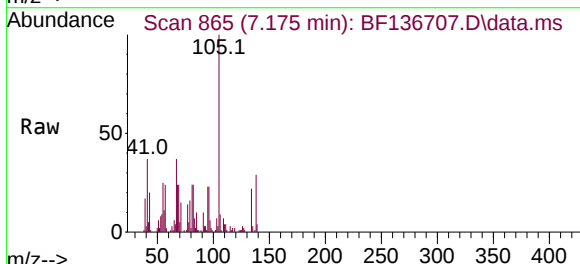
Instrument :
BNA_F
ClientSampleId :
PL-01-122023

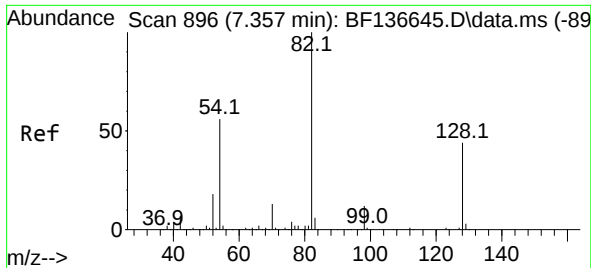
Tgt Ion:136	Resp:	194452
Ion Ratio	Lower	Upper
136	100	
137	10.8	9.0 13.4
54	8.1	7.2 10.8
68	5.4	4.9 7.3



#22
Acetophenone
Concen: 4.353 ng
RT: 7.175 min Scan# 865
Delta R.T. -0.029 min
Lab File: BF136707.D
Acq: 23 Dec 2023 02:47

Tgt Ion:105	Resp:	21218
Ion Ratio	Lower	Upper
105	100	
71	14.9	4.8 7.2#
51	6.3	32.8 49.2#
120	0.0	17.0 25.6#





#23

Nitrobenzene-d5

Concen: 6.844 ng

RT: 7.340 min Scan# 896

Delta R.T. -0.018 min

Lab File: BF136707.D

Acq: 23 Dec 2023 02:47

Instrument :

BNA_F

ClientSampleId :

PL-01-122023

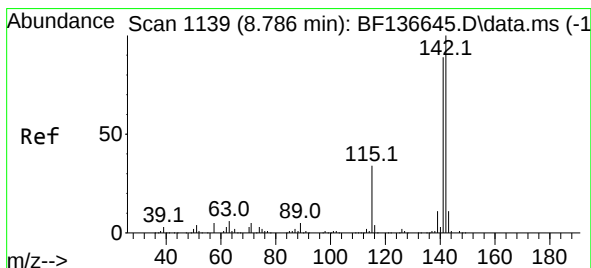
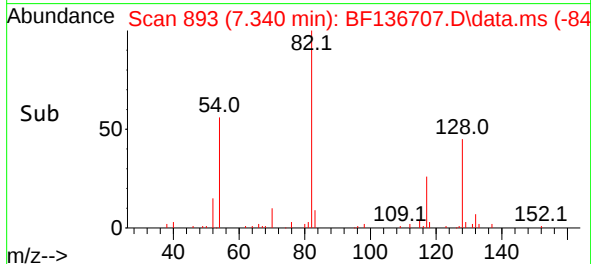
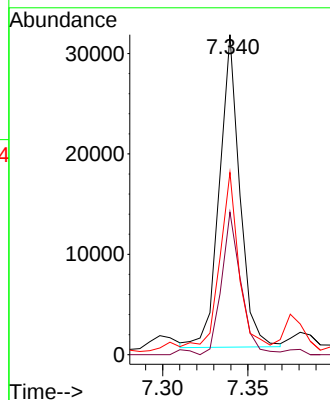
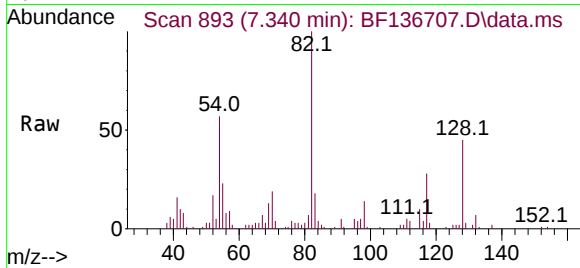
Tgt Ion: 82 Resp: 26009

Ion Ratio Lower Upper

82 100

128 44.6 35.3 52.9

54 56.9 44.5 66.7



#37

2-Methylnaphthalene

Concen: 2.509 ng

RT: 8.775 min Scan# 1137

Delta R.T. -0.012 min

Lab File: BF136707.D

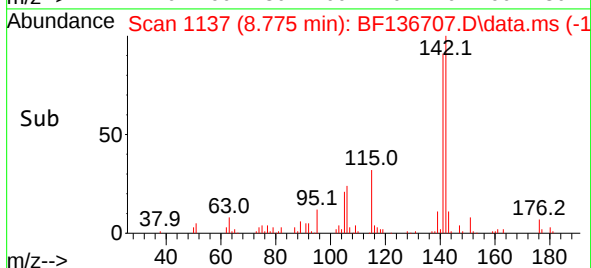
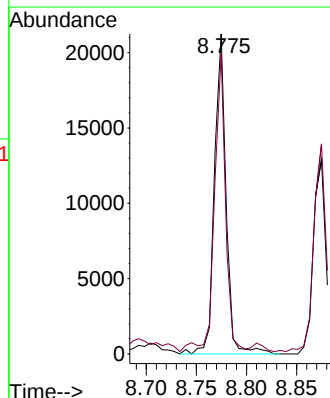
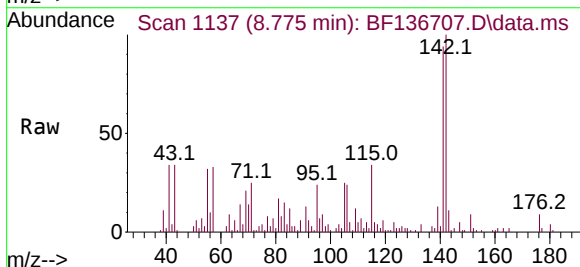
Acq: 23 Dec 2023 02:47

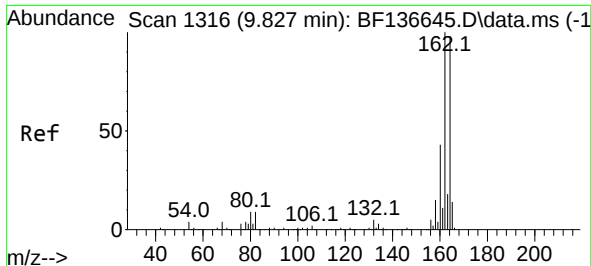
Tgt Ion: 142 Resp: 17252

Ion Ratio Lower Upper

142 100

141 93.8 71.1 106.7

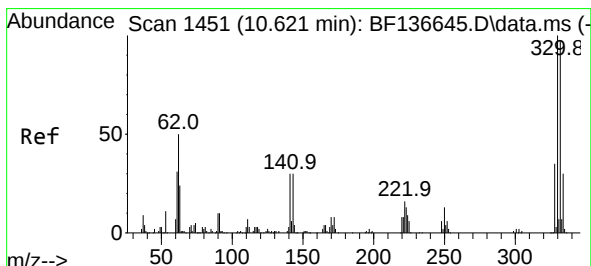
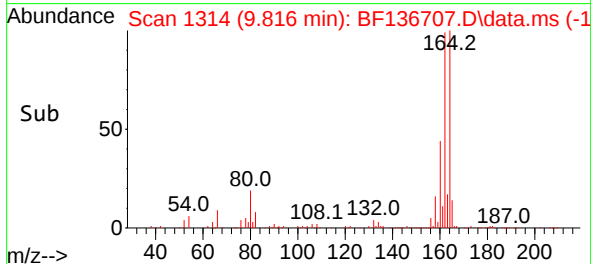
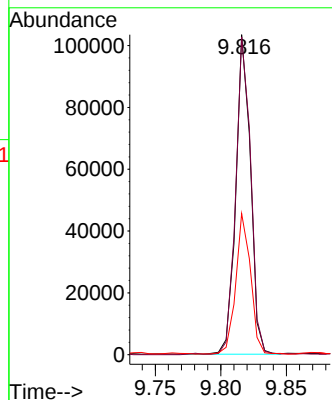
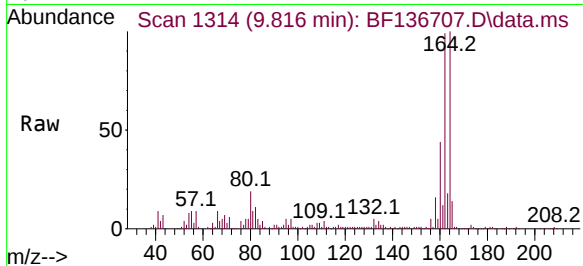




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136707.D
Acq: 23 Dec 2023 02:47

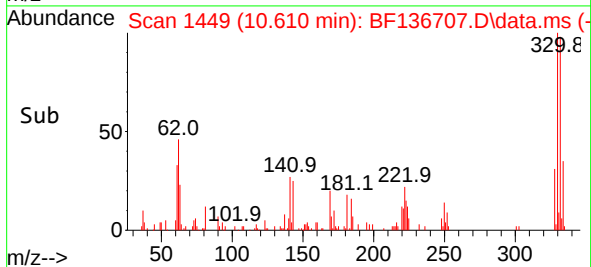
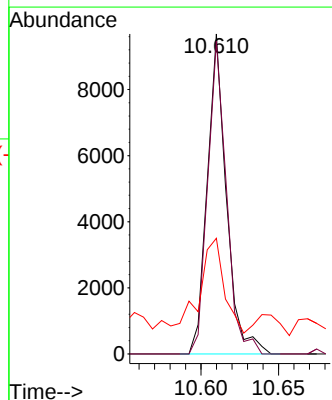
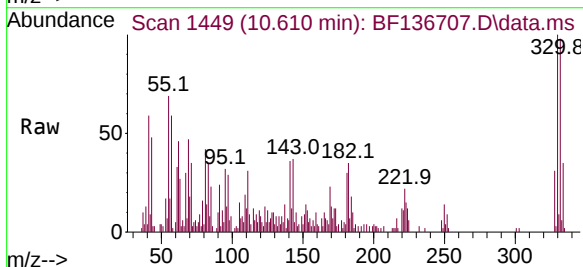
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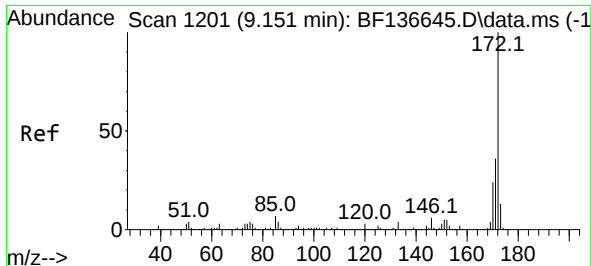
Tgt Ion:164 Resp: 80591
Ion Ratio Lower Upper
164 100
162 99.3 81.6 122.4
160 44.1 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 8.761 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF136707.D
Acq: 23 Dec 2023 02:47

Tgt Ion:330 Resp: 8315
Ion Ratio Lower Upper
330 100
332 96.0 77.4 116.0
141 37.8 23.4 35.2#





#45

2-Fluorobiphenyl

Concen: 7.634 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF136707.D

Acq: 23 Dec 2023 02:47

Instrument :

BNA_F

ClientSampleId :

PL-01-122023

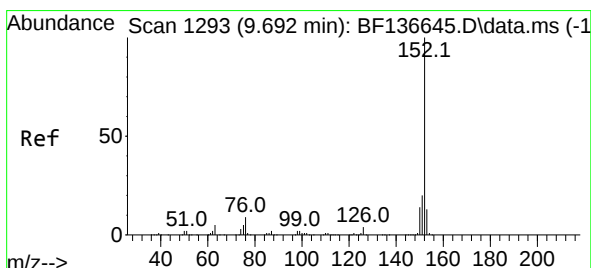
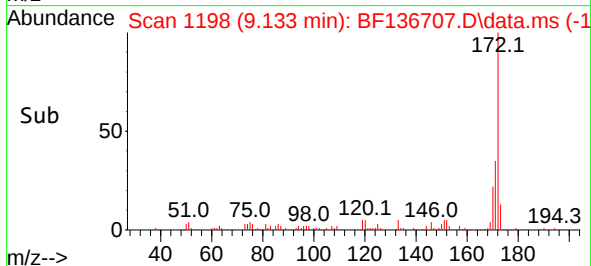
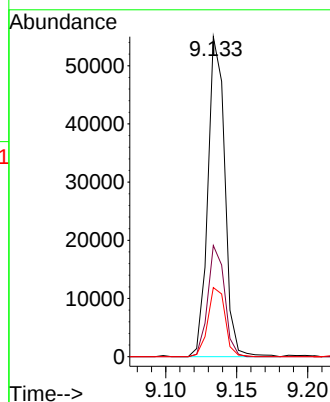
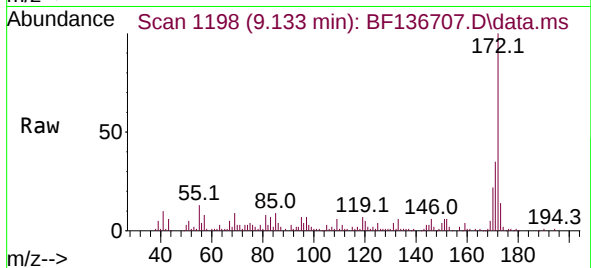
Tgt Ion:172 Resp: 45740

Ion Ratio Lower Upper

172 100

171 34.8 29.0 43.6

170 21.6 19.0 28.4



#49

Acenaphthylene

Concen: 2.869 ng

RT: 9.681 min Scan# 1291

Delta R.T. -0.012 min

Lab File: BF136707.D

Acq: 23 Dec 2023 02:47

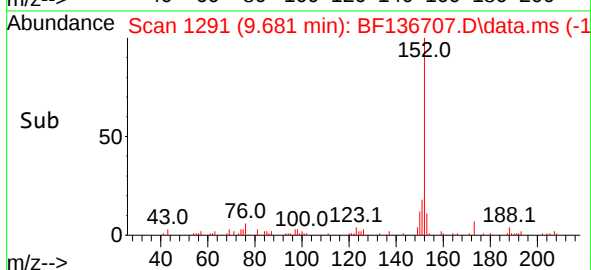
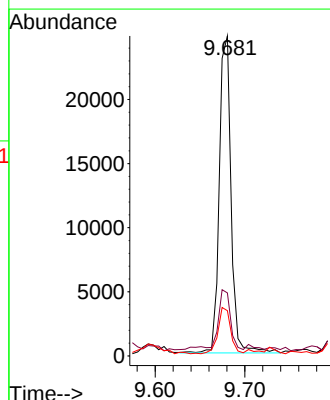
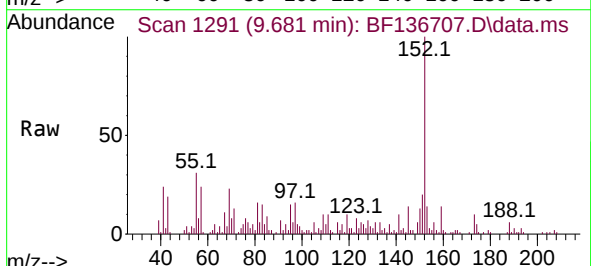
Tgt Ion:152 Resp: 22549

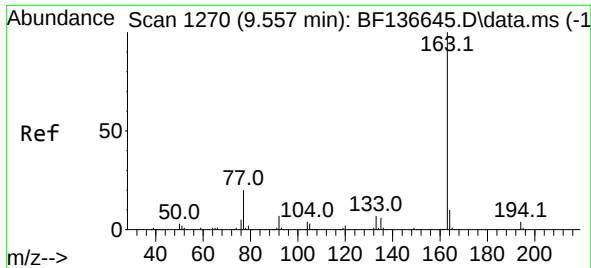
Ion Ratio Lower Upper

152 100

151 19.7 16.2 24.4

153 14.1 10.2 15.2

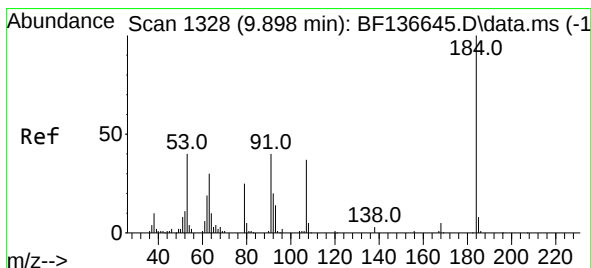
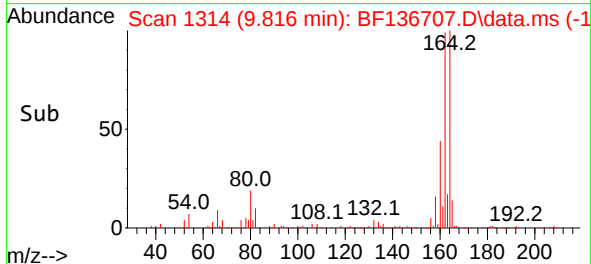
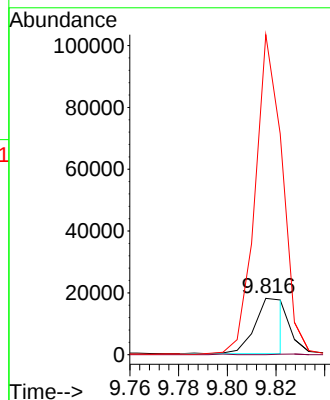
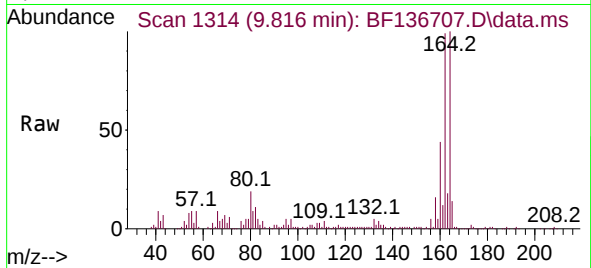




#50
Dimethylphthalate
Concen: 2.601 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.259 min
Lab File: BF136707.D
Acq: 23 Dec 2023 02:47

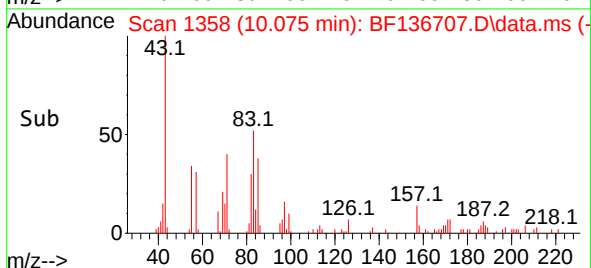
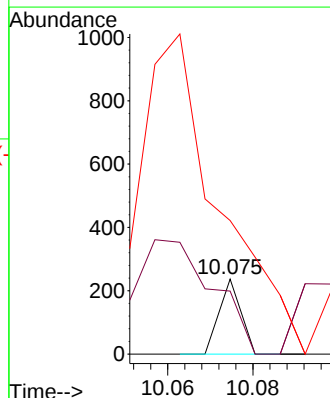
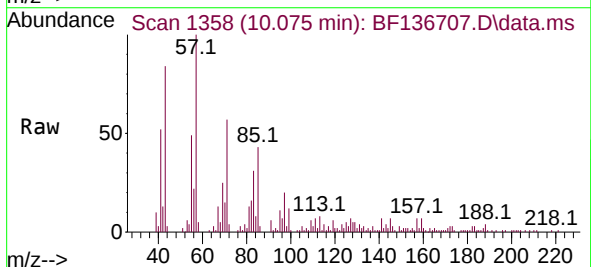
Instrument :
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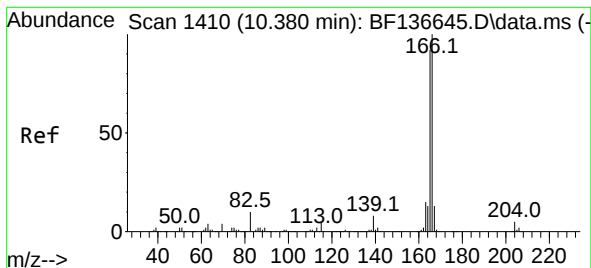
Tgt Ion:163 Resp: 15308
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 568.1 7.8 11.6#



#54
2,4-Dinitrophenol
Concen: 3.843 ng
RT: 10.075 min Scan# 1358
Delta R.T. 0.177 min
Lab File: BF136707.D
Acq: 23 Dec 2023 02:47

Tgt Ion:184 Resp: 84
Ion Ratio Lower Upper
184 100
63 84.0 40.9 61.3#
154 178.1 42.7 64.1#





#58

Fluorene

Concen: 2.117 ng

RT: 10.369 min Scan# 1410

Delta R.T. -0.012 min

Lab File: BF136707.D

Acq: 23 Dec 2023 02:47

Instrument :

BNA_F

ClientSampleId :

PL-01-122023

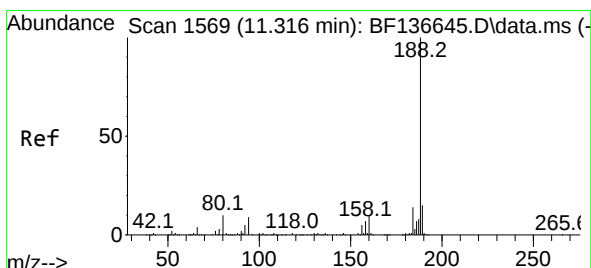
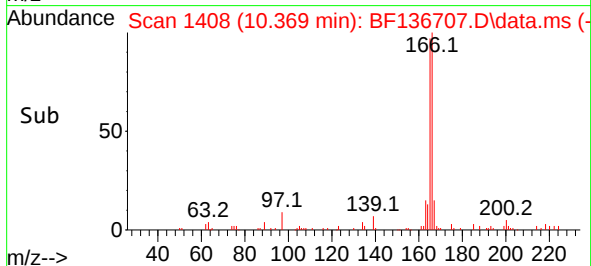
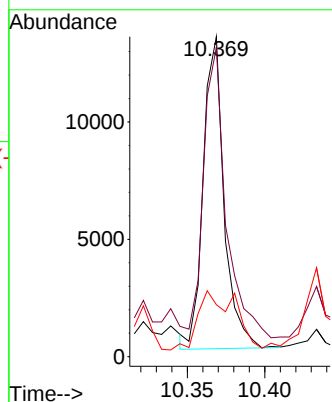
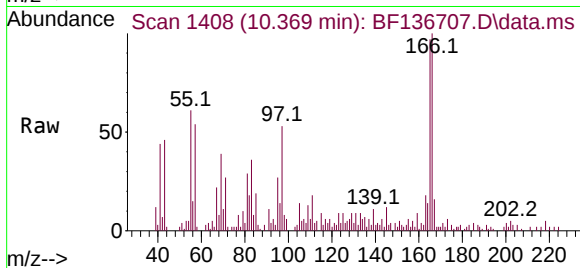
Tgt Ion:166 Resp: 12401

Ion Ratio Lower Upper

166 100

165 96.7 73.7 110.5

167 16.3 10.4 15.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1568

Delta R.T. -0.006 min

Lab File: BF136707.D

Acq: 23 Dec 2023 02:47

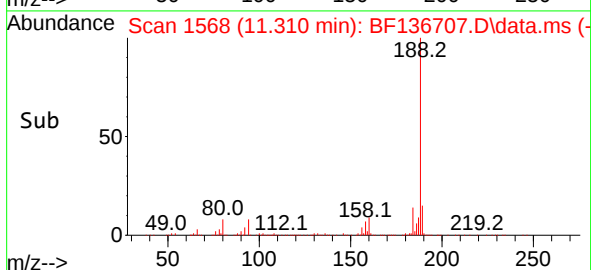
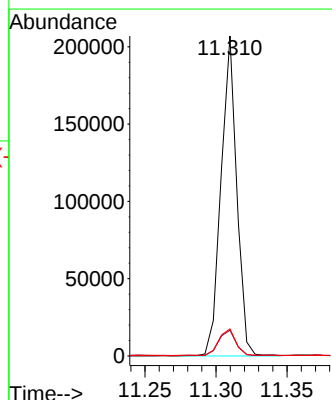
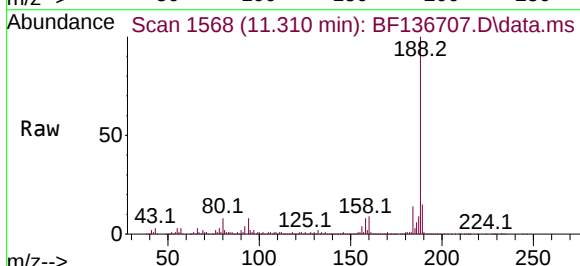
Tgt Ion:188 Resp: 159246

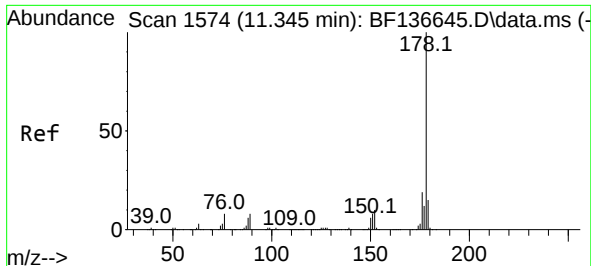
Ion Ratio Lower Upper

188 100

94 8.1 7.5 11.3

80 8.4 8.1 12.1

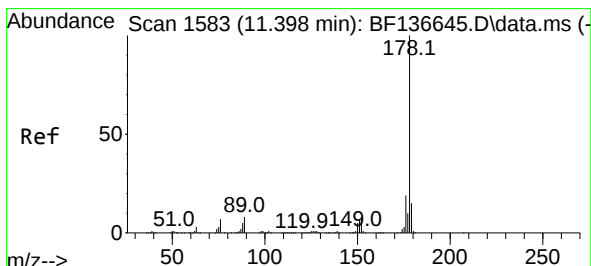
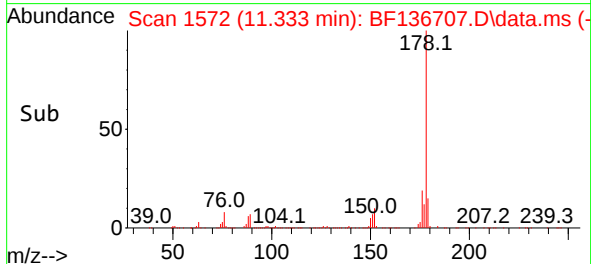
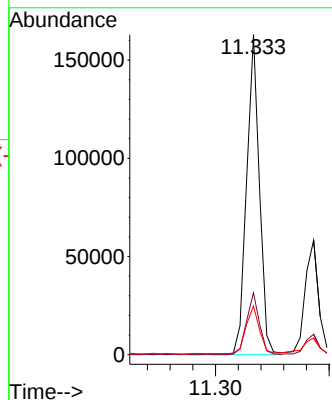
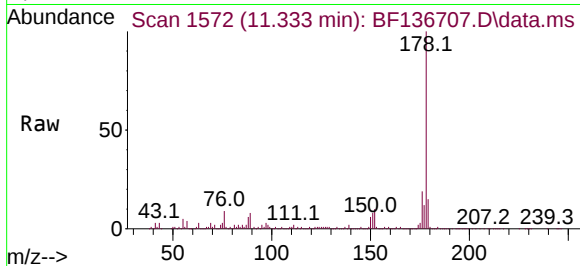




#71
Phenanthrene
Concen: 15.657 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136707.D
Acq: 23 Dec 2023 02:47

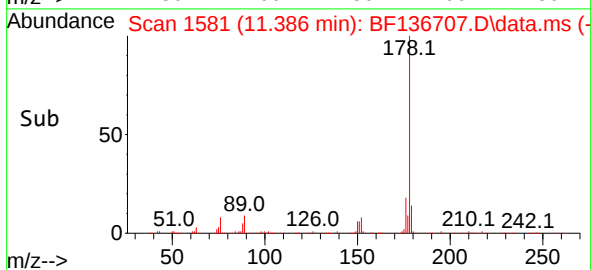
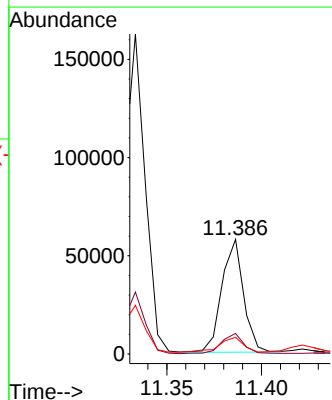
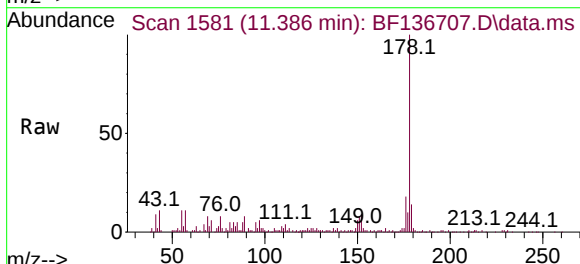
Instrument :
BNA_F
ClientSampleId :
PL-01-122023

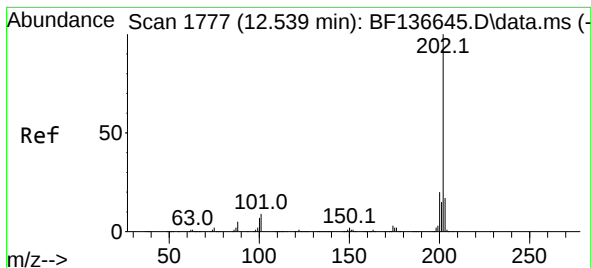
Tgt Ion:178 Resp: 127936
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.2 11.9 17.9



#72
Anthracene
Concen: 5.554 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF136707.D
Acq: 23 Dec 2023 02:47

Tgt Ion:178 Resp: 45957
Ion Ratio Lower Upper
178 100
176 17.9 14.9 22.3
179 14.5 11.8 17.6





#75

Fluoranthene

Concen: 37.726 ng

RT: 12.527 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136707.D

Acq: 23 Dec 2023 02:47

Instrument :

BNA_F

ClientSampleId :

PL-01-122023

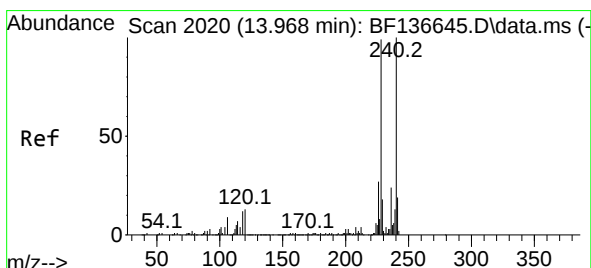
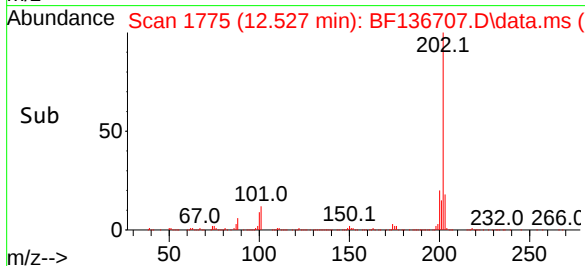
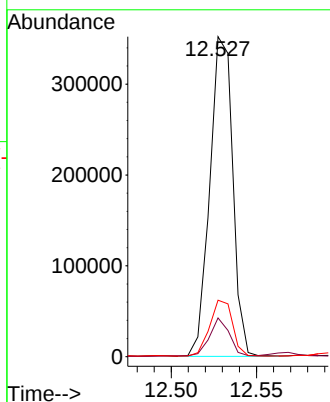
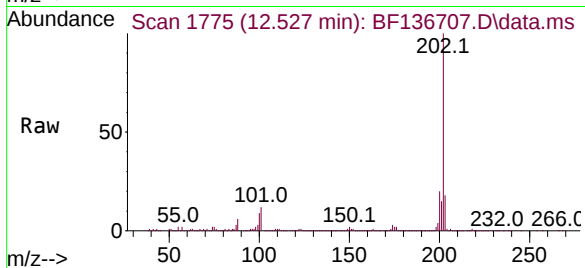
Tgt Ion:202 Resp: 329730

Ion Ratio Lower Upper

202 100

101 12.1 0.0 29.3

203 17.6 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF136707.D

Acq: 23 Dec 2023 02:47

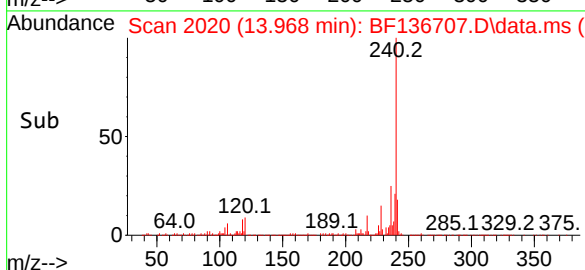
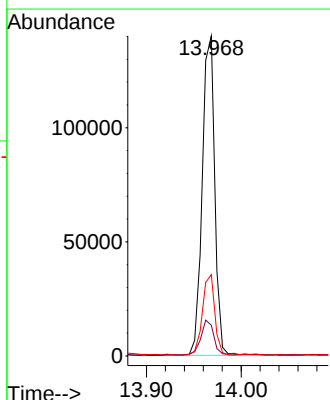
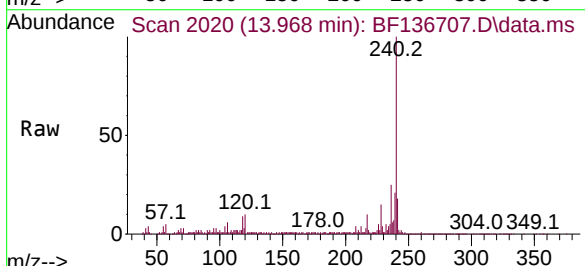
Tgt Ion:240 Resp: 128388

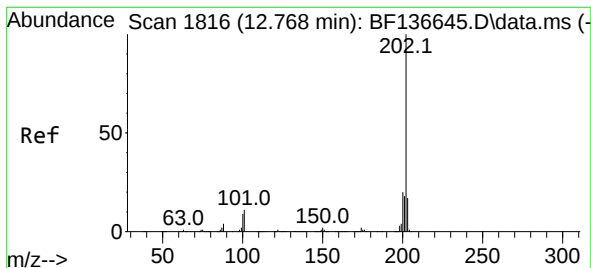
Ion Ratio Lower Upper

240 100

120 9.6 10.3 15.5#

236 25.4 19.4 29.2





#78

Pyrene

Concen: 24.916 ng

RT: 12.763 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF136707.D

Acq: 23 Dec 2023 02:47

Instrument :

BNA_F

ClientSampleId :

PL-01-122023

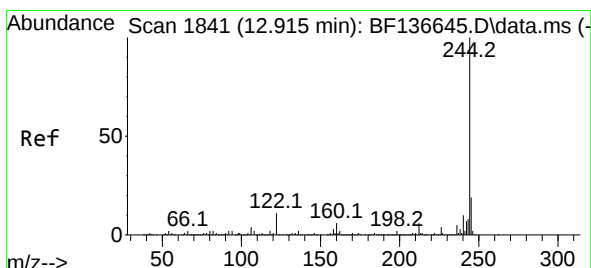
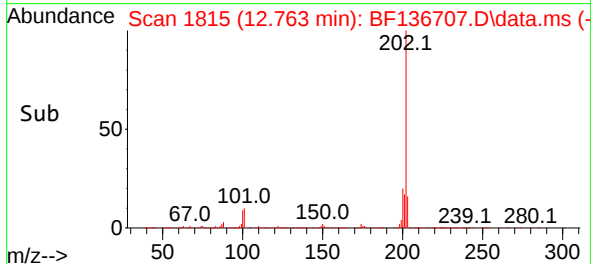
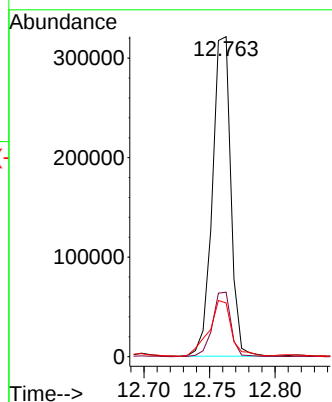
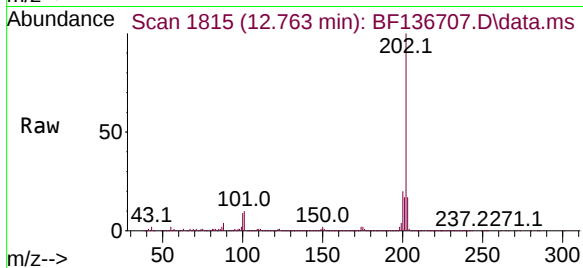
Tgt Ion:202 Resp: 314029

Ion Ratio Lower Upper

202 100

200 20.1 15.9 23.9

203 16.8 13.8 20.6



#79

Terphenyl-d14

Concen: 5.656 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136707.D

Acq: 23 Dec 2023 02:47

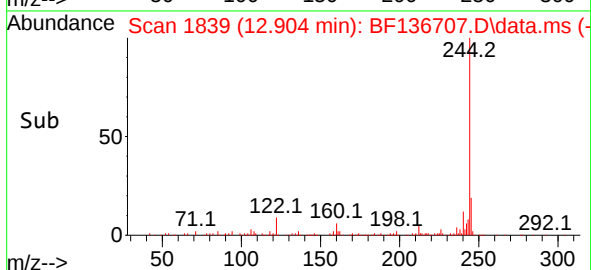
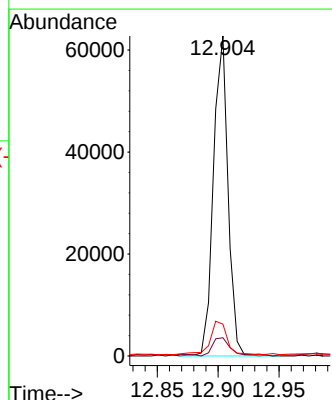
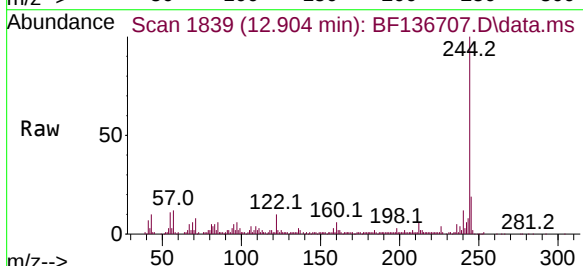
Tgt Ion:244 Resp: 51967

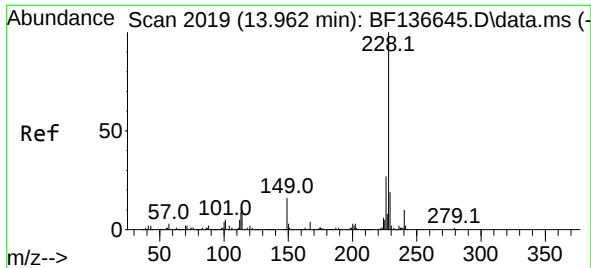
Ion Ratio Lower Upper

244 100

212 5.7 5.0 7.4

122 9.9 9.0 13.4

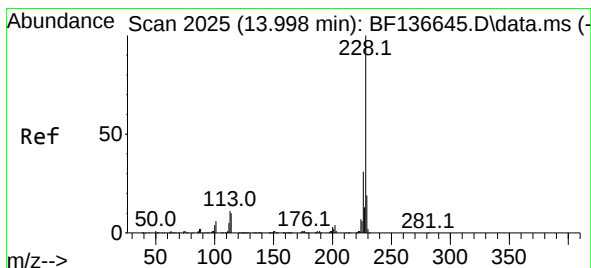
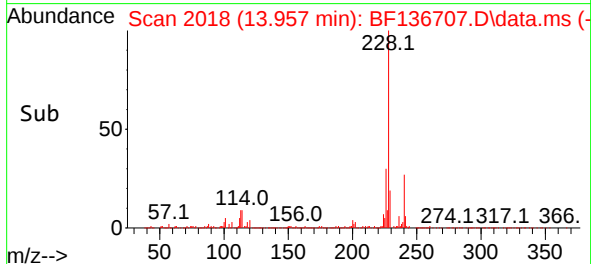
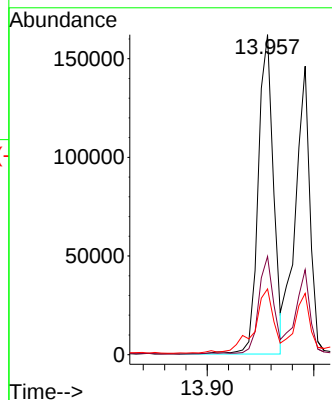
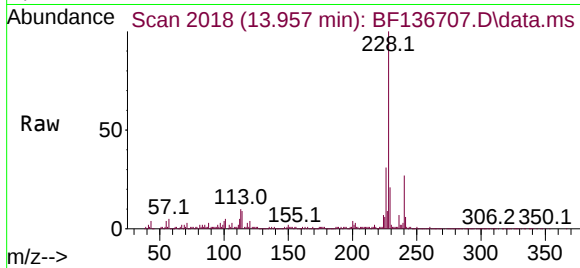




#81
Benzo(a)anthracene
Concen: 17.961 ng
RT: 13.957 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136707.D
Acq: 23 Dec 2023 02:47

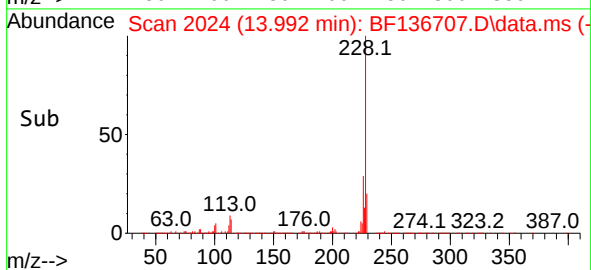
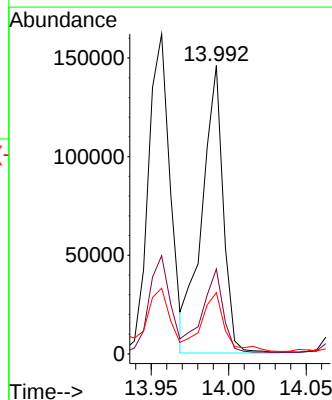
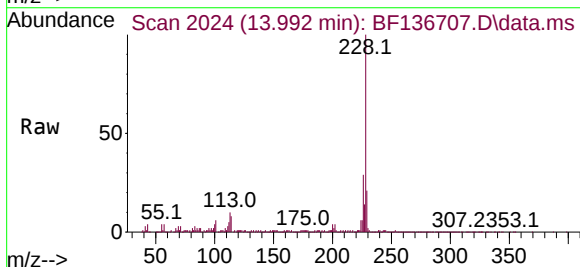
Instrument :
BNA_F
ClientSampleId :
PL-01-122023

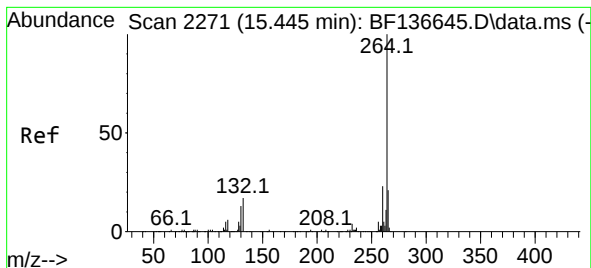
Tgt Ion:228 Resp: 160127
Ion Ratio Lower Upper
228 100
226 30.7 21.4 32.0
229 20.5 14.9 22.3



#83
Chrysene
Concen: 15.920 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF136707.D
Acq: 23 Dec 2023 02:47

Tgt Ion:228 Resp: 138795
Ion Ratio Lower Upper
228 100
226 29.5 24.7 37.1
229 21.2 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136707.D

Acq: 23 Dec 2023 02:47

Instrument :

BNA_F

ClientSampleId :

PL-01-122023

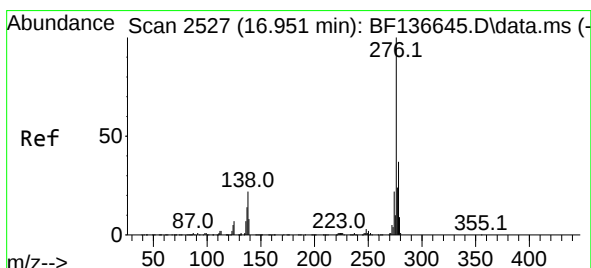
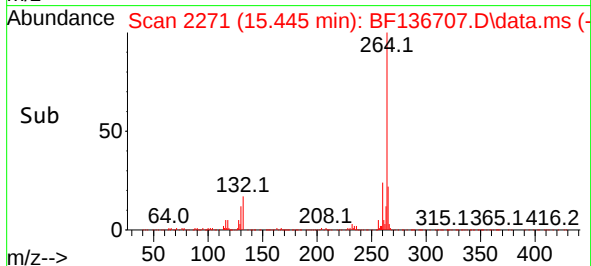
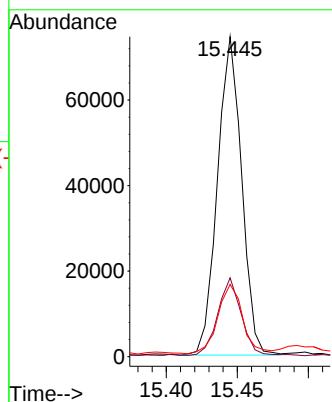
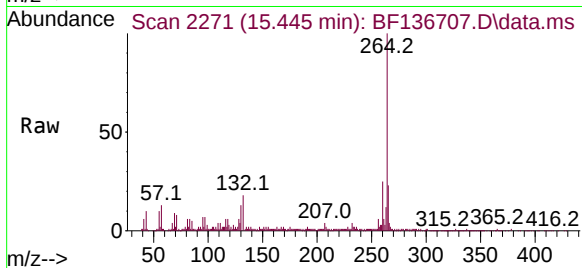
Tgt Ion:264 Resp: 88066

Ion Ratio Lower Upper

264 100

260 24.6 18.3 27.5

265 22.6 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.888 ng

RT: 16.939 min Scan# 2525

Delta R.T. -0.012 min

Lab File: BF136707.D

Acq: 23 Dec 2023 02:47

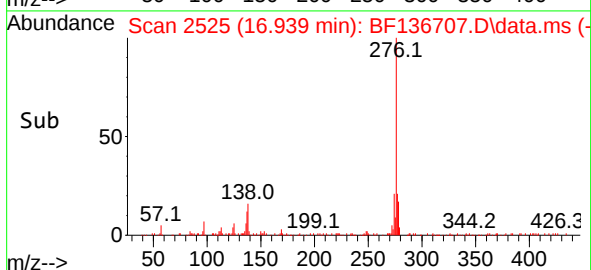
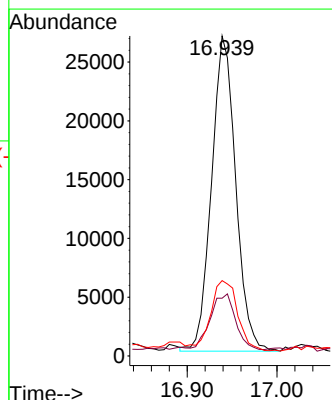
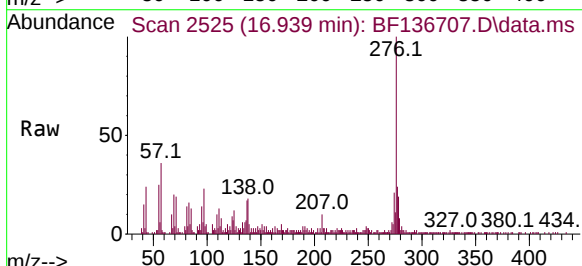
Tgt Ion:276 Resp: 50153

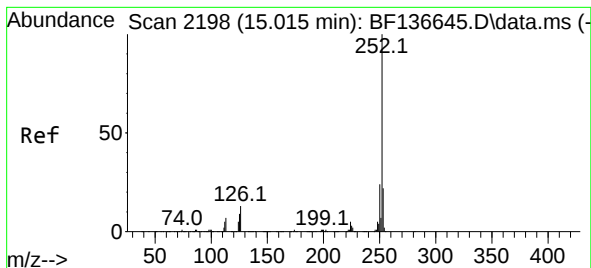
Ion Ratio Lower Upper

276 100

138 18.3 18.7 28.1#

277 24.2 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 28.664 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF136707.D

Acq: 23 Dec 2023 02:47

Instrument :

BNA_F

ClientSampleId :

PL-01-122023

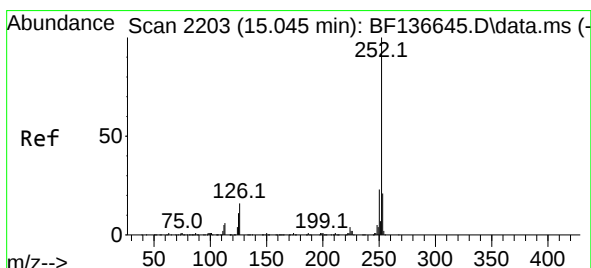
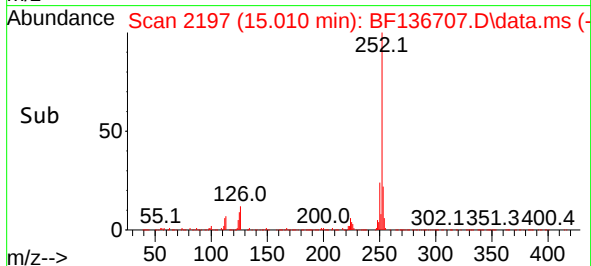
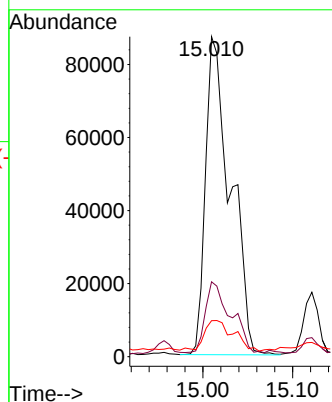
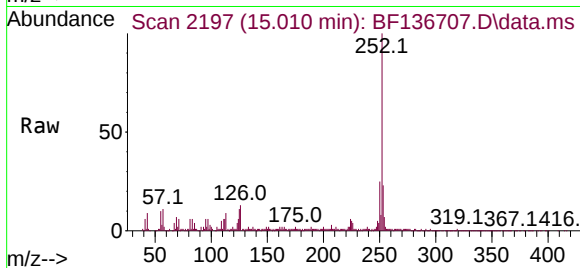
Tgt Ion:252 Resp: 168603

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

125 11.3 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 30.335 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.035 min

Lab File: BF136707.D

Acq: 23 Dec 2023 02:47

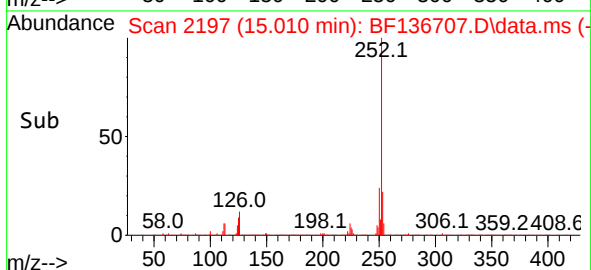
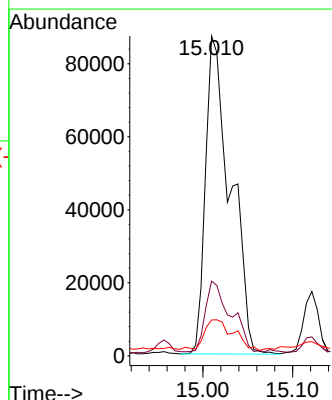
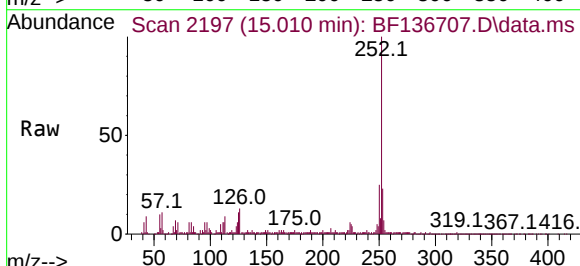
Tgt Ion:252 Resp: 168603

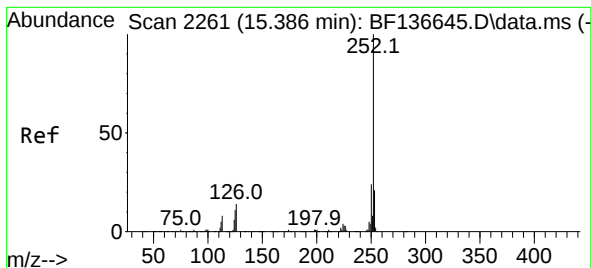
Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.6

125 11.3 8.2 12.4





#90

Benzo(a)pyrene

Concen: 17.597 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136707.D

Acq: 23 Dec 2023 02:47

Instrument :

BNA_F

ClientSampleId :

PL-01-122023

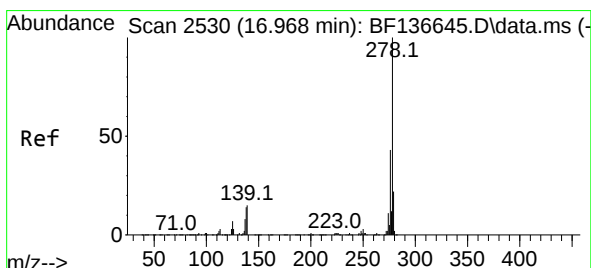
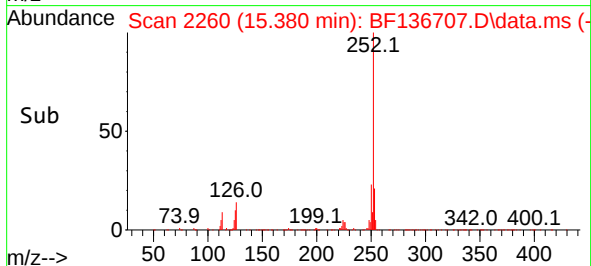
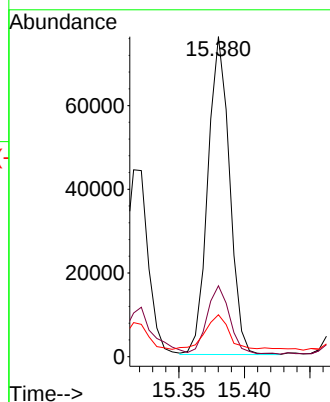
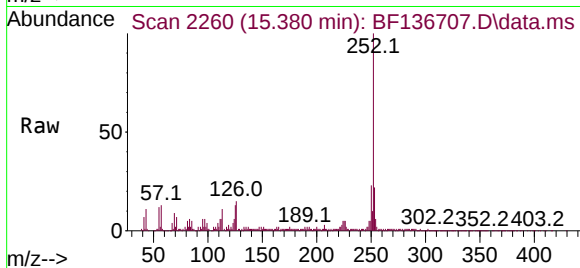
Tgt Ion:252 Resp: 87368

Ion Ratio Lower Upper

252 100

253 22.1 17.0 25.6

125 13.1 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 2.579 ng

RT: 16.951 min Scan# 2527

Delta R.T. -0.017 min

Lab File: BF136707.D

Acq: 23 Dec 2023 02:47

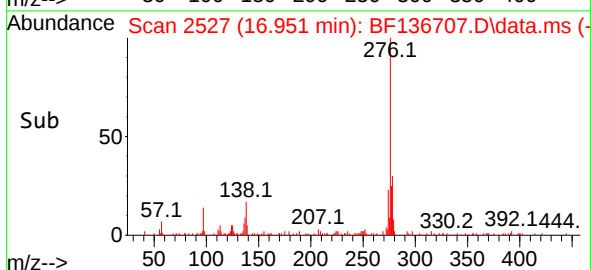
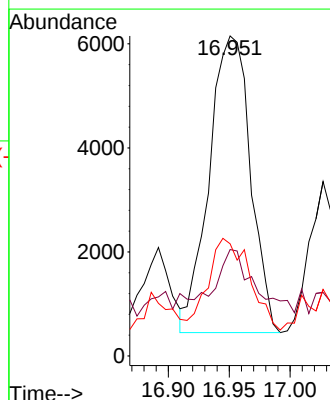
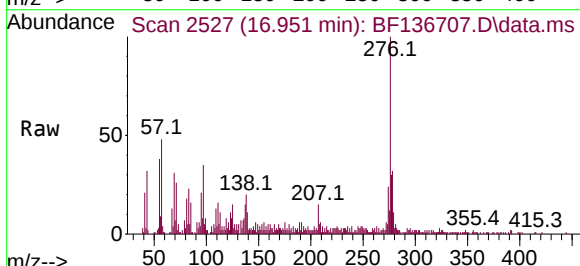
Tgt Ion:278 Resp: 13454

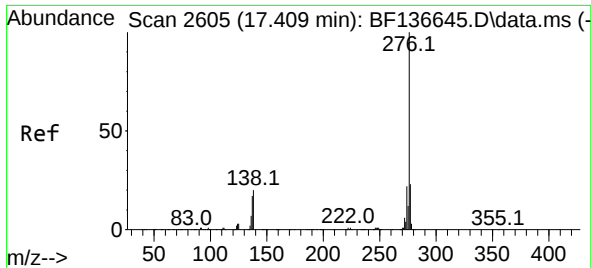
Ion Ratio Lower Upper

278 100

139 33.2 12.2 18.4#

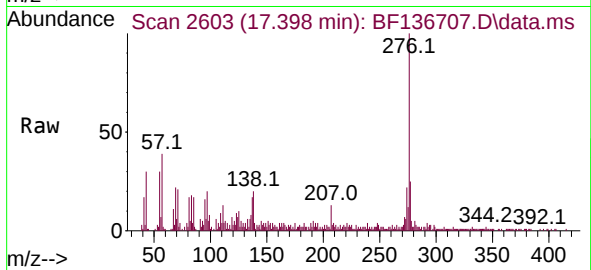
279 35.0 17.8 26.6#





#92
 Benzo(g,h,i)perylene
 Concen: 8.619 ng
 RT: 17.398 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF136707.D
 Acq: 23 Dec 2023 02:47

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-122023



Tgt Ion:	276	Resp:	46050
Ion Ratio	Lower	Upper	
276	100		
277	24.8	18.3	27.5
138	20.3	15.6	23.4

