

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010324\
 Data File : BF136926.D
 Acq On : 04 Jan 2024 01:03
 Operator : CG\JU
 Sample : 05897-18
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-22

Quant Time: Jan 04 03:45:14 2024
 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)

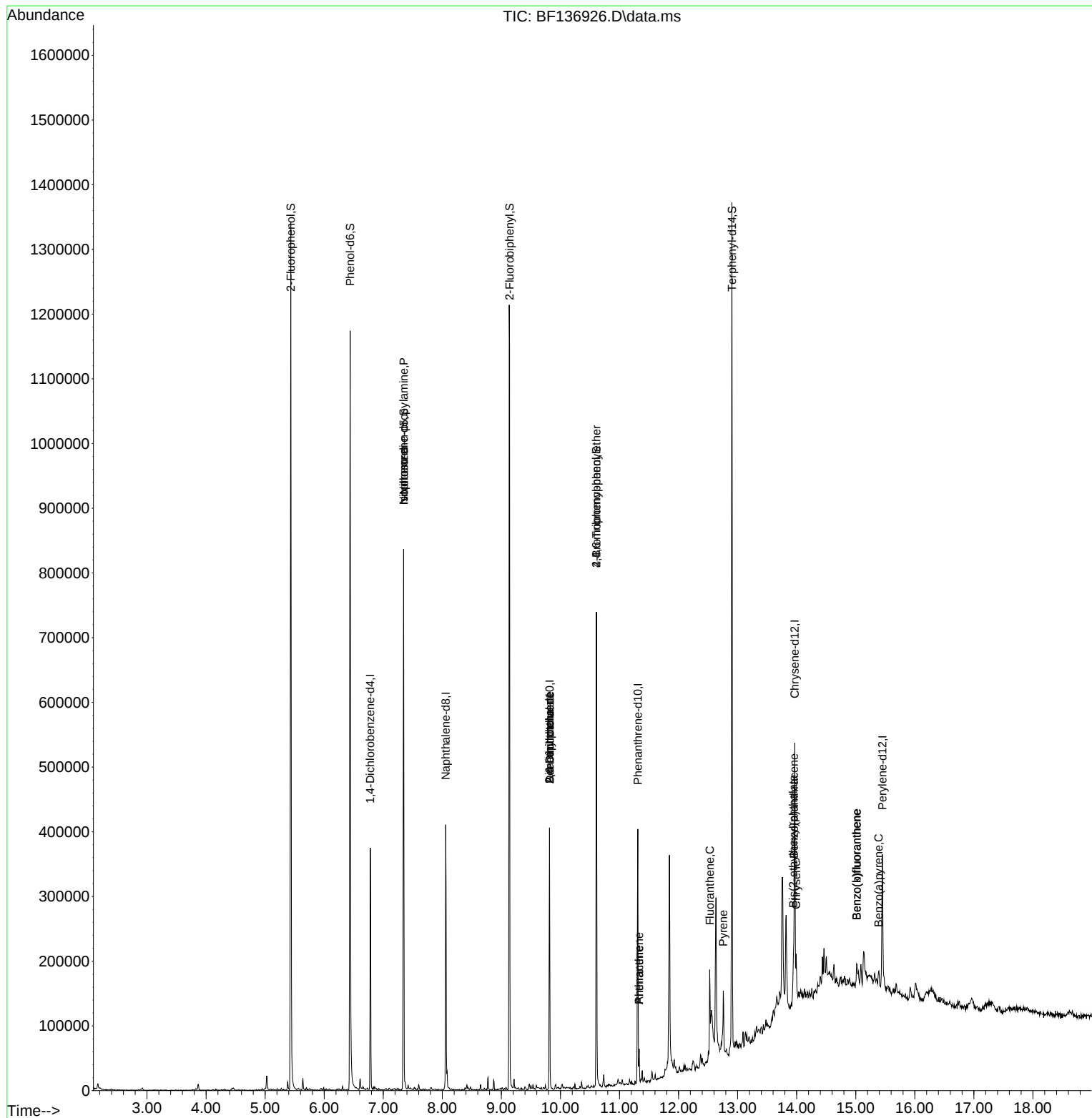
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	52453	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	167946	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	72568	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	136443	20.000	ng	0.00
76) Chrysene-d12	13.968	240	117356	20.000	ng	0.00
86) Perylene-d12	15.451	264	95489	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	342166	101.782	ng	0.00
7) Phenol-d6	6.439	99	389510	89.419	ng	0.00
23) Nitrobenzene-d5	7.345	82	233543	71.158	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	84757	99.172	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	393099	72.858	ng	-0.01
79) Terphenyl-d14	12.904	244	445505	53.050	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	30792	11.661	ng	# 75
25) Isophorone	7.345	82	232508	38.933	ng	# 65
50) Dimethylphthalate	9.816	163	14224	2.684	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	9580	7.964	ng	# 28
57) 2,4-Dinitrotoluene	9.816	165	9580	6.134	ng	# 19
67) 4-Bromophenyl-phenylether	10.610	248	5226	3.449	ng	# 1
71) Phenanthrene	11.333	178	17316	2.473	ng	99
72) Anthracene	11.333	178	17316	2.442	ng	100
75) Fluoranthene	12.527	202	49007	6.544	ng	99
78) Pyrene	12.757	202	39594	3.437	ng	98
81) Benzo(a)anthracene	13.957	228	27190	3.337	ng	97
83) Chrysene	13.992	228	21864	2.744	ng	97
84) Bis(2-ethylhexyl)phtha...	13.945	149	15142	2.871	ng	# 89
88) Benzo(b)fluoranthene	15.015	252	27987	4.388	ng	# 90
89) Benzo(k)fluoranthene	15.015	252	27987	4.644	ng	# 90
90) Benzo(a)pyrene	15.386	252	12397	2.303	ng	# 92

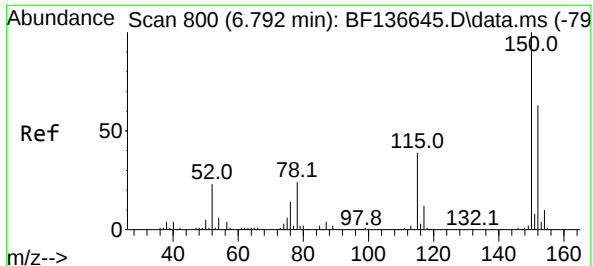
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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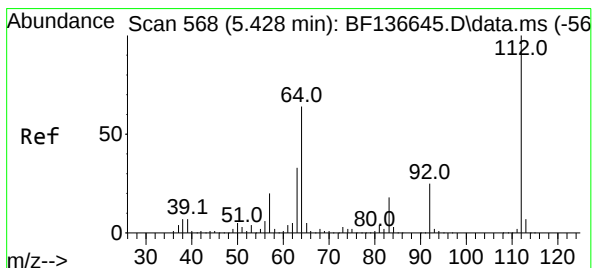
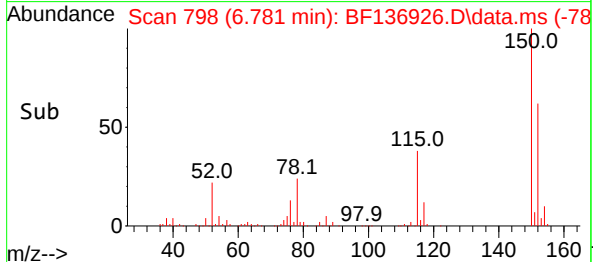
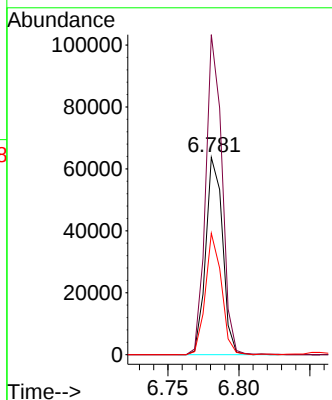
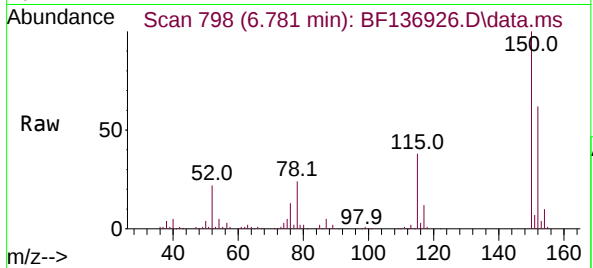




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136926.D
Acq: 04 Jan 2024 01:03

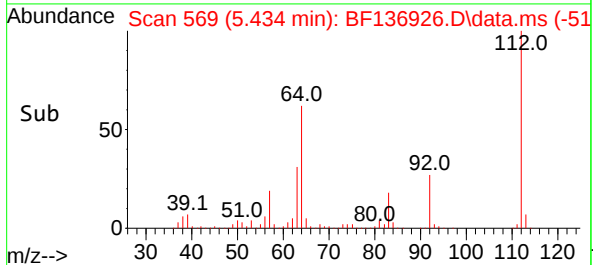
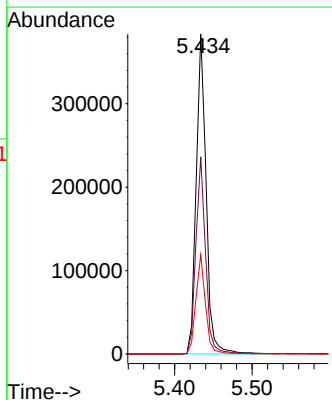
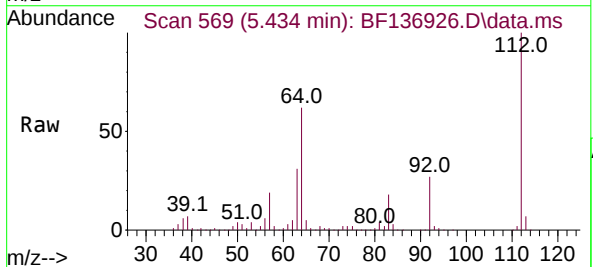
Instrument :
BNA_F
ClientSampleId :
GHL-SS-22

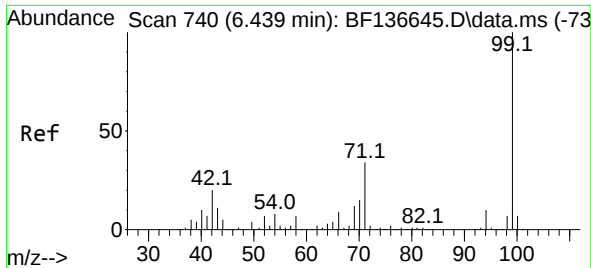
Tgt Ion:152 Resp: 52453
Ion Ratio Lower Upper
152 100
150 162.1 127.0 190.6
115 61.5 49.0 73.4



#5
2-Fluorophenol
Concen: 101.782 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF136926.D
Acq: 04 Jan 2024 01:03

Tgt Ion:112 Resp: 342166
Ion Ratio Lower Upper
112 100
64 61.6 51.1 76.7
63 31.0 26.1 39.1

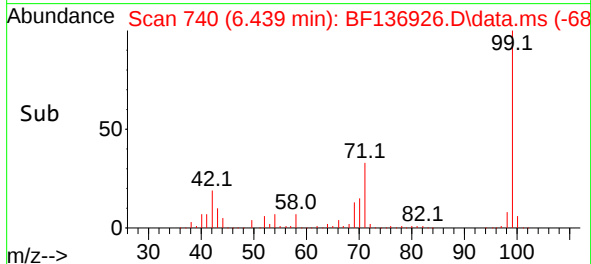
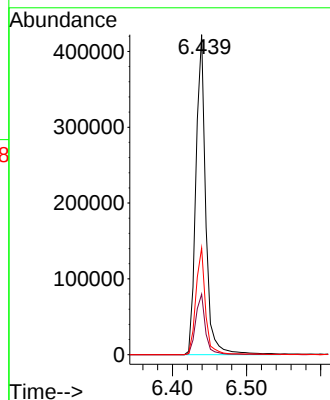
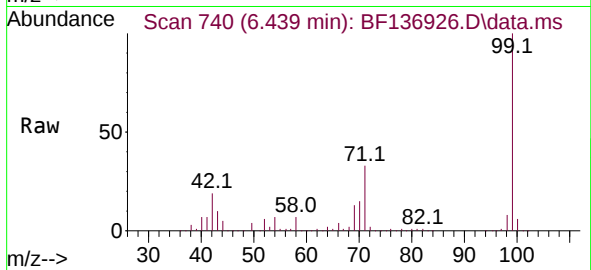




#7
Phenol-d6
Concen: 89.419 ng
RT: 6.439 min Scan# 740
Delta R.T. 0.000 min
Lab File: BF136926.D
Acq: 04 Jan 2024 01:03

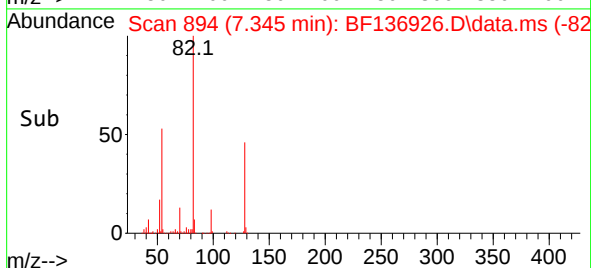
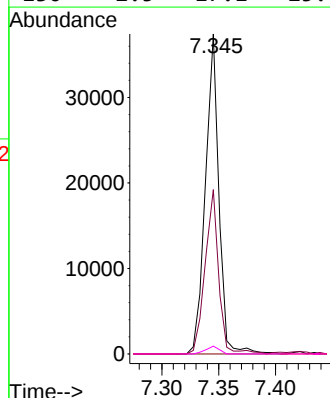
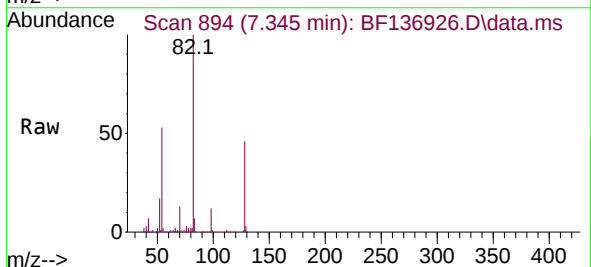
Instrument :
BNA_F
ClientSampleId :
GHL-SS-22

Tgt Ion: 99 Resp: 389510
Ion Ratio Lower Upper
99 100
42 18.9 16.1 24.1
71 33.3 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.661 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136926.D
Acq: 04 Jan 2024 01:03

Tgt Ion: 70 Resp: 30792
Ion Ratio Lower Upper
70 100
42 51.4 54.2 81.4#
101 0.0 7.6 11.4#
130 2.5 17.1 25.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.057 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136926.D

Acq: 04 Jan 2024 01:03

Instrument :

BNA_F

ClientSampleId :

GHL-SS-22

Tgt Ion:136 Resp: 167946

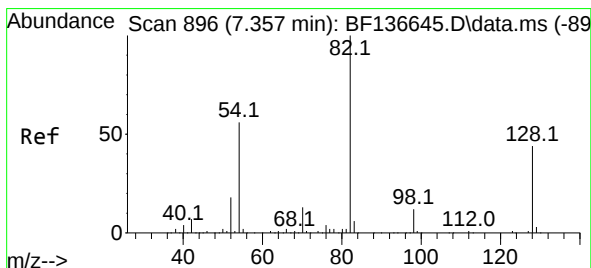
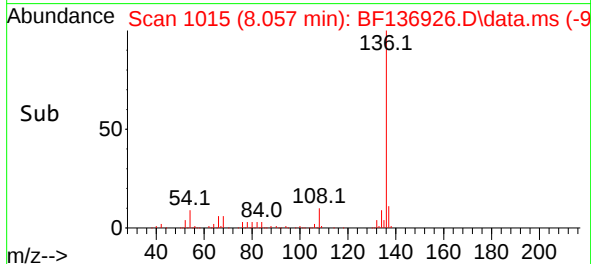
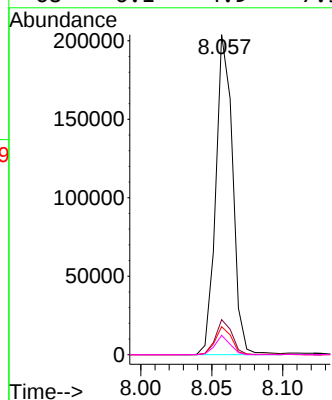
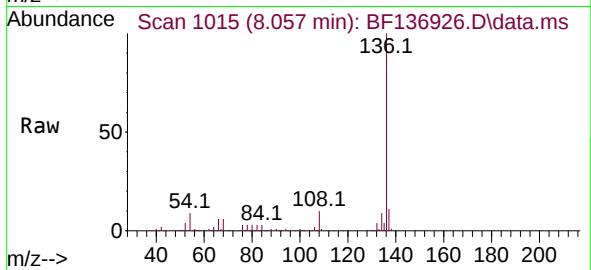
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 8.7 7.2 10.8

68 6.1 4.9 7.3



#23

Nitrobenzene-d5

Concen: 71.158 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF136926.D

Acq: 04 Jan 2024 01:03

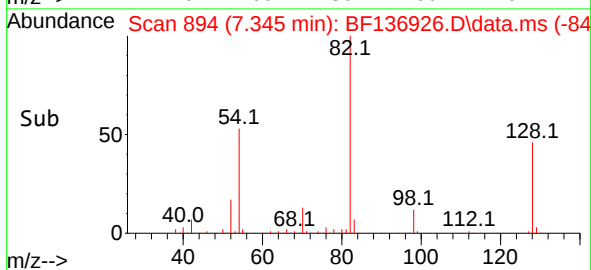
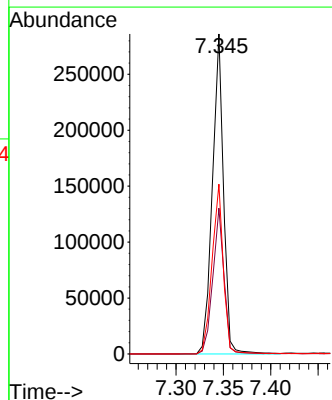
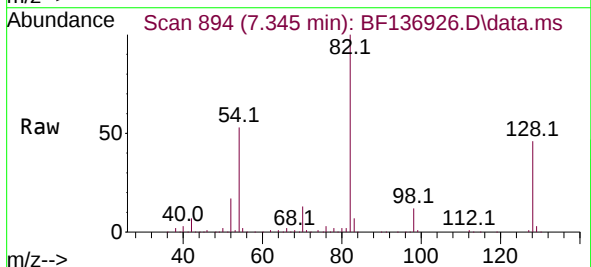
Tgt Ion: 82 Resp: 233543

Ion Ratio Lower Upper

82 100

128 45.6 35.3 52.9

54 53.0 44.5 66.7

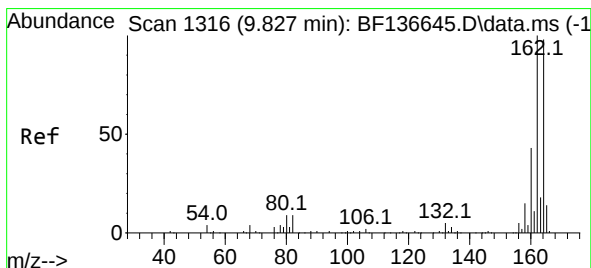
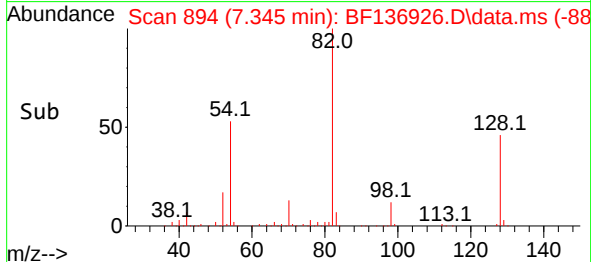
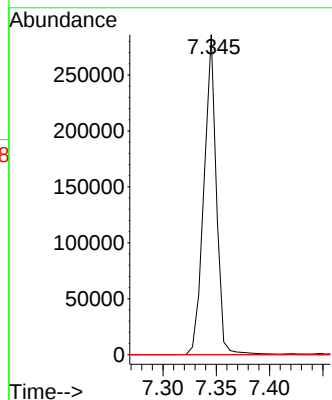
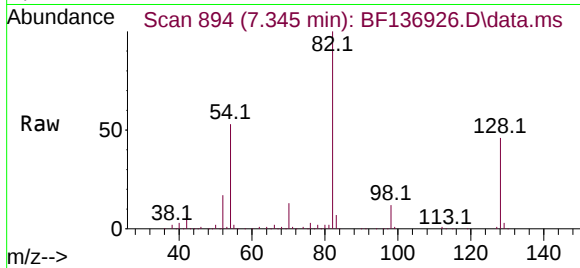




#25
Isophorone
Concen: 38.933 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.271 min
Lab File: BF136926.D
Acq: 04 Jan 2024 01:03

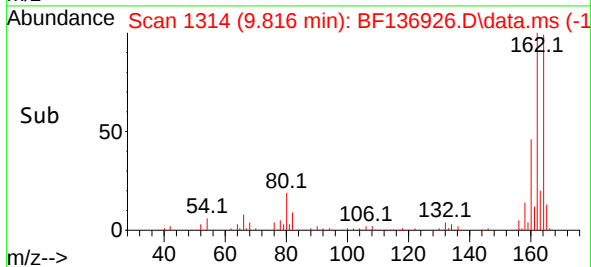
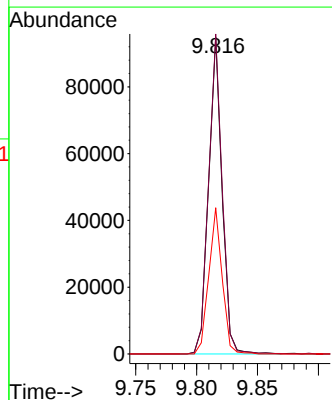
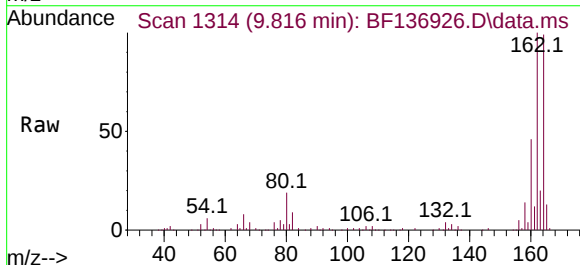
Instrument :
BNA_F
ClientSampleId :
GHL-SS-22

Tgt Ion: 82 Resp: 232508
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136926.D
Acq: 04 Jan 2024 01:03

Tgt Ion:164 Resp: 72568
Ion Ratio Lower Upper
164 100
162 100.9 81.6 122.4
160 46.1 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 99.172 ng

RT: 10.610 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136926.D

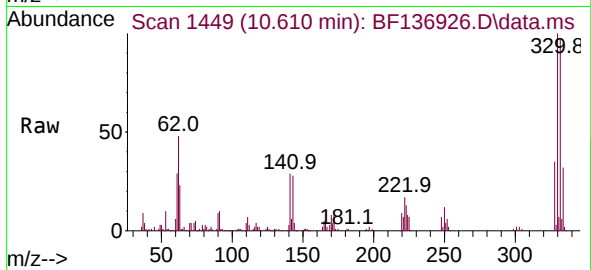
Acq: 04 Jan 2024 01:03

Instrument :

BNA_F

ClientSampleId :

GHL-SS-22



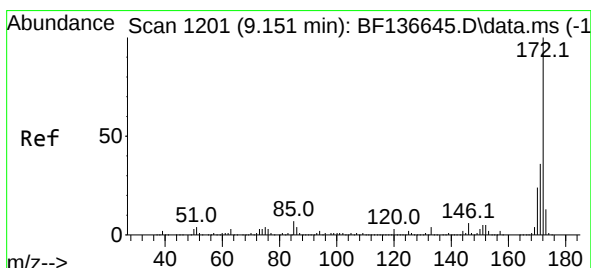
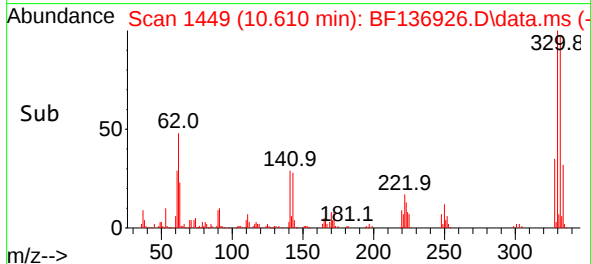
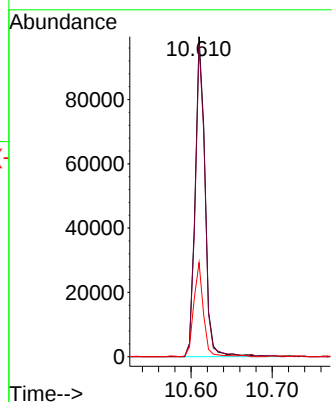
Tgt Ion:330 Resp: 84757

Ion Ratio Lower Upper

330 100

332 96.2 77.4 116.0

141 28.4 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 72.858 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF136926.D

Acq: 04 Jan 2024 01:03

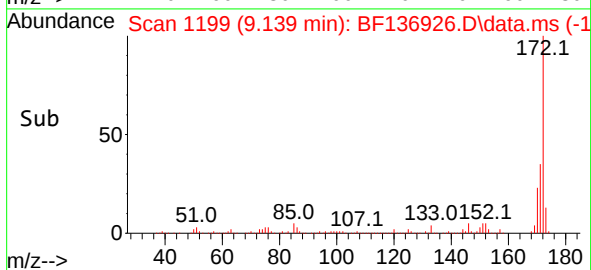
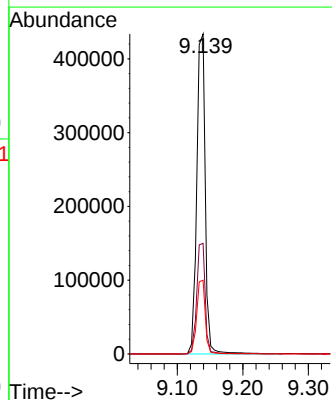
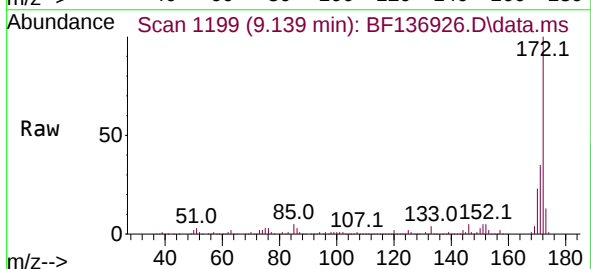
Tgt Ion:172 Resp: 393099

Ion Ratio Lower Upper

172 100

171 34.6 29.0 43.6

170 23.1 19.0 28.4

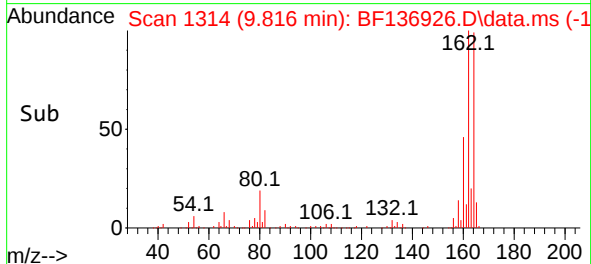
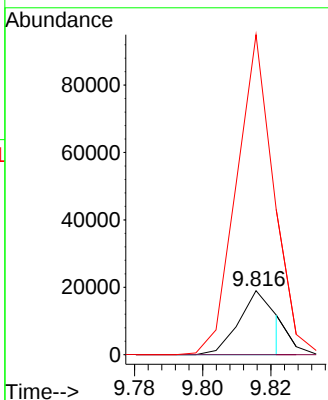
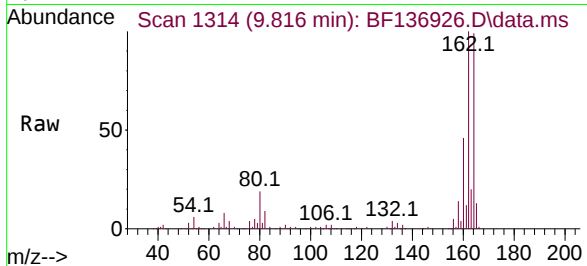




#50
Dimethylphthalate
Concen: 2.684 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136926.D
Acq: 04 Jan 2024 01:03

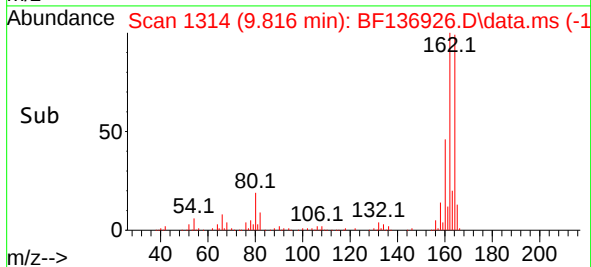
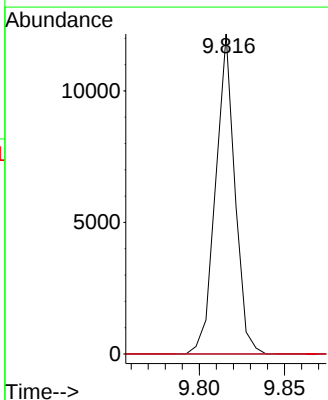
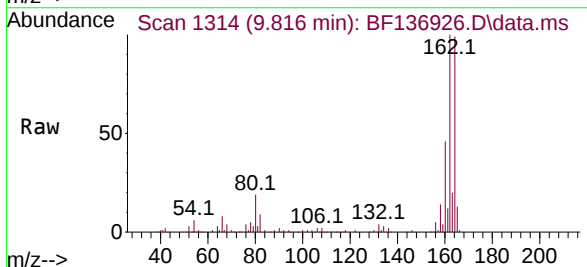
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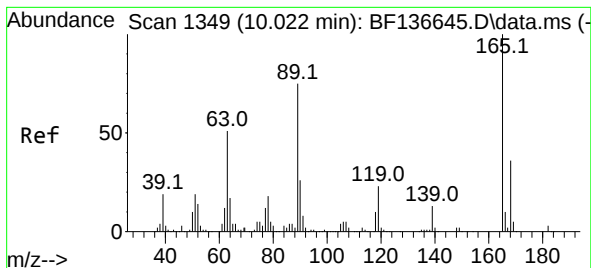
Tgt Ion:163 Resp: 14224
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 499.4 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.964 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136926.D
Acq: 04 Jan 2024 01:03

Tgt Ion:165 Resp: 9580
Ion Ratio Lower Upper
165 100
63 0.0 39.8 59.6#
89 0.0 38.8 58.2#

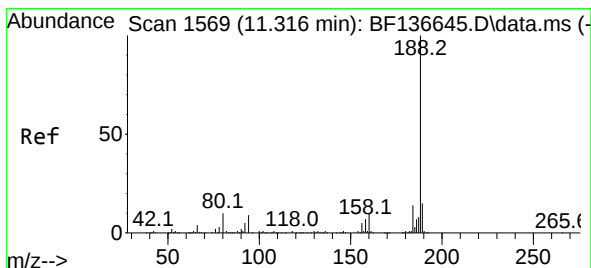
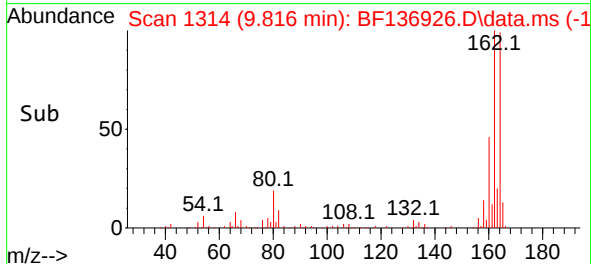
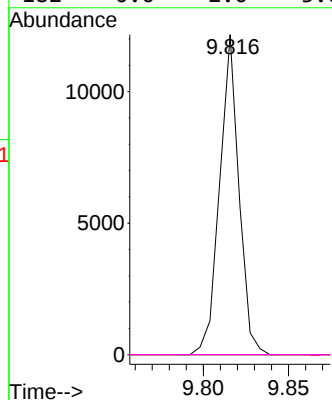
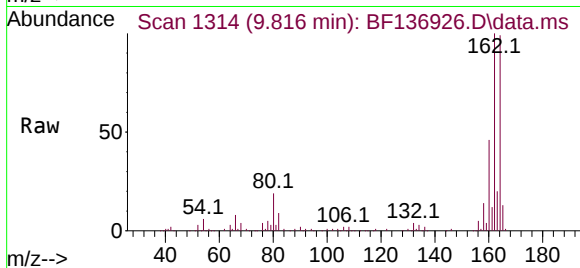




#57
2,4-Dinitrotoluene
Concen: 6.134 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136926.D
Acq: 04 Jan 2024 01:03

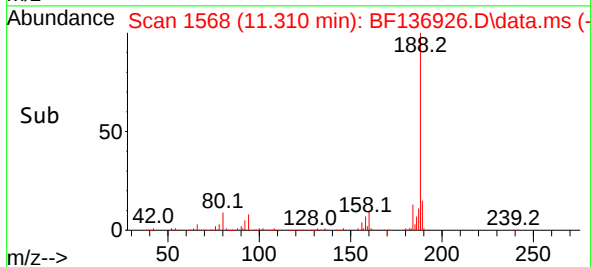
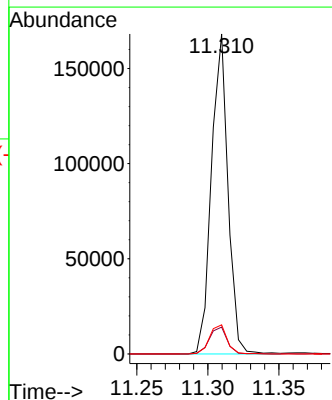
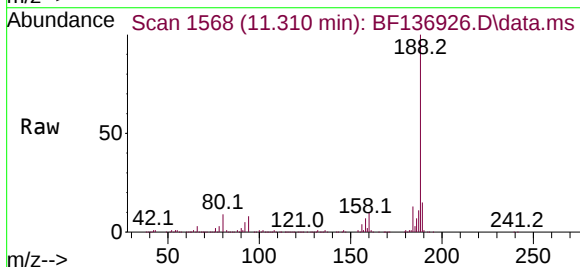
Instrument :
BNA_F
ClientSampleId :
GHL-SS-22

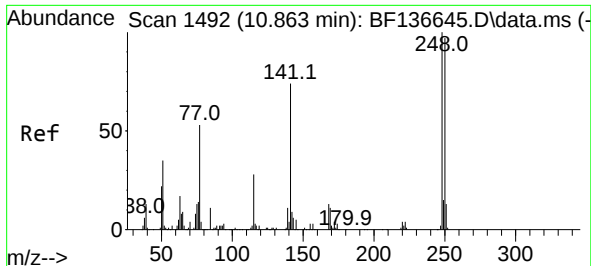
Tgt Ion:165 Resp: 9580
Ion Ratio Lower Upper
165 100
63 0.0 41.0 61.6#
89 0.0 59.9 89.9#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF136926.D
Acq: 04 Jan 2024 01:03

Tgt Ion:188 Resp: 136443
Ion Ratio Lower Upper
188 100
94 8.4 7.5 11.3
80 9.1 8.1 12.1

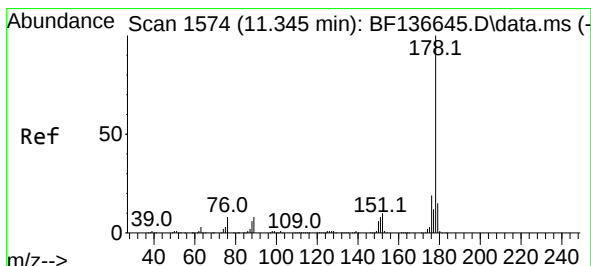
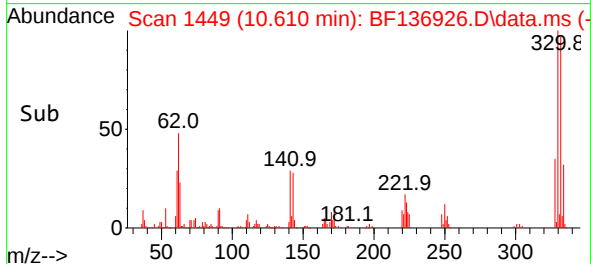
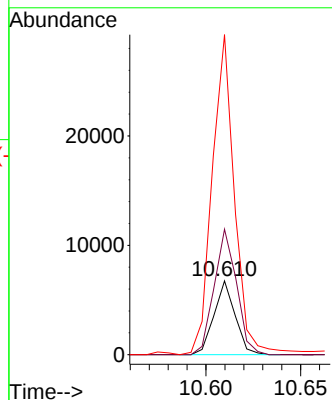
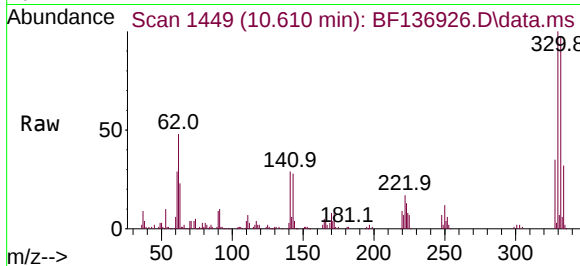




#67
4-Bromophenyl-phenylether
Concen: 3.449 ng
RT: 10.610 min Scan# 1492
Delta R.T. -0.253 min
Lab File: BF136926.D
Acq: 04 Jan 2024 01:03

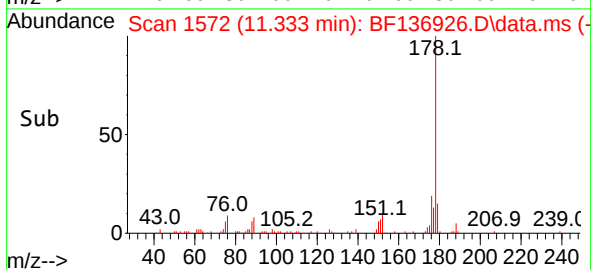
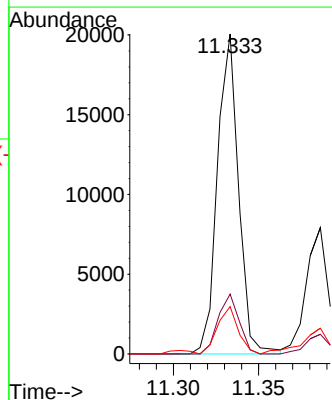
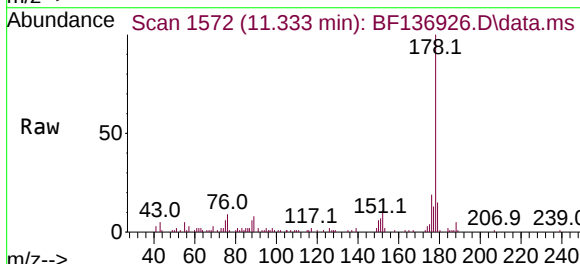
Instrument :
BNA_F
ClientSampleId :
GHL-SS-22

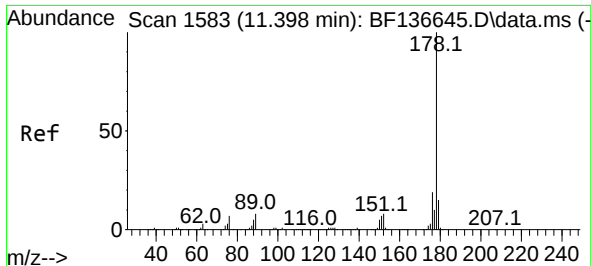
Tgt Ion:248 Resp: 5226
Ion Ratio Lower Upper
248 100
250 170.1 77.8 116.6#
141 434.2 59.2 88.8#



#71
Phenanthrene
Concen: 2.473 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136926.D
Acq: 04 Jan 2024 01:03

Tgt Ion:178 Resp: 17316
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 14.8 11.9 17.9

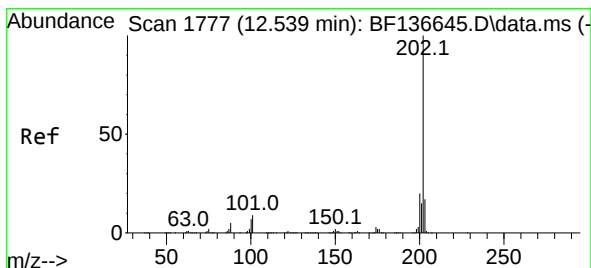
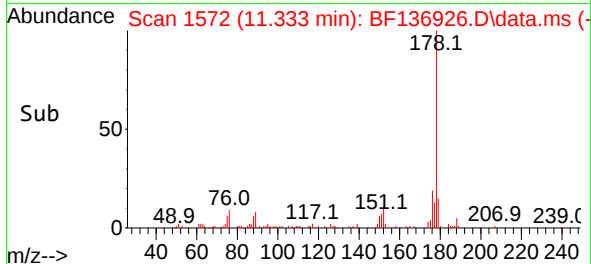
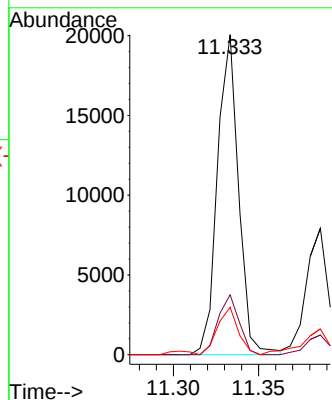
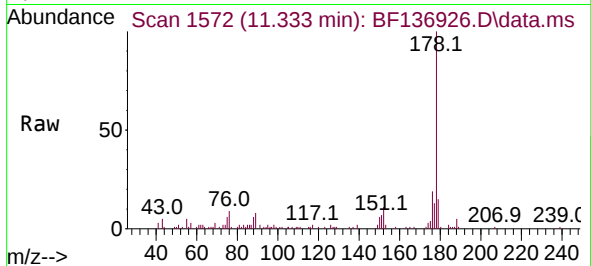




#72
 Anthracene
 Concen: 2.442 ng
 RT: 11.333 min Scan# 11
 Delta R.T. -0.065 min
 Lab File: BF136926.D
 Acq: 04 Jan 2024 01:03

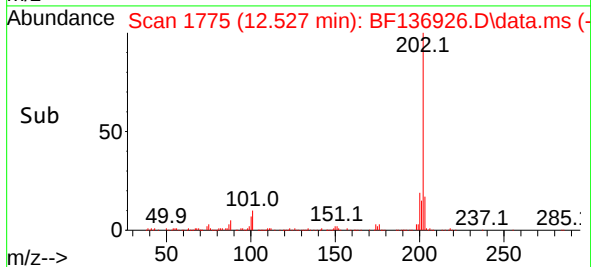
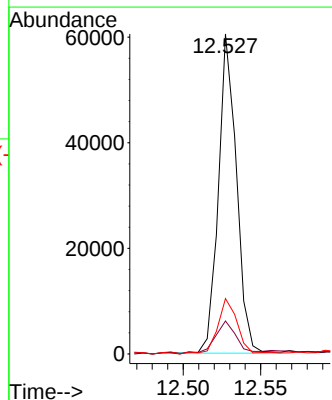
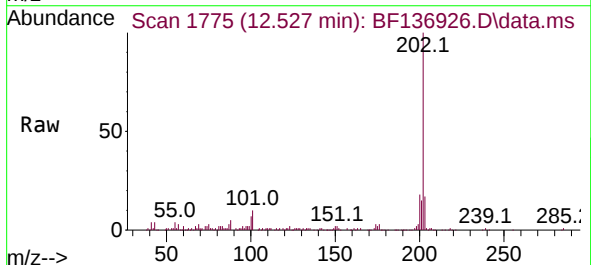
Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-22

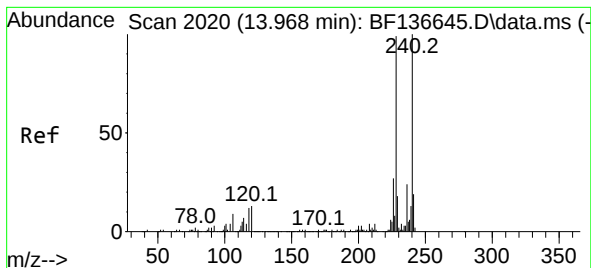
Tgt Ion:178 Resp: 17316
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.9 22.3
 179 14.8 11.8 17.6



#75
 Fluoranthene
 Concen: 6.544 ng
 RT: 12.527 min Scan# 1775
 Delta R.T. -0.012 min
 Lab File: BF136926.D
 Acq: 04 Jan 2024 01:03

Tgt Ion:202 Resp: 49007
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 29.3
 203 17.3 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF136926.D

Acq: 04 Jan 2024 01:03

Instrument :

BNA_F

ClientSampleId :

GHL-SS-22

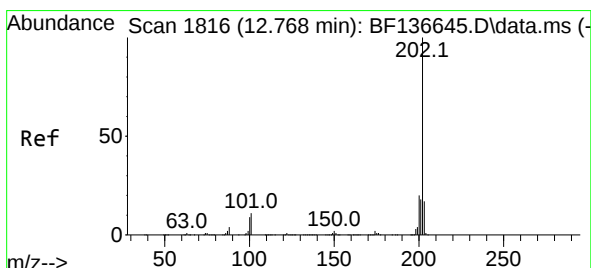
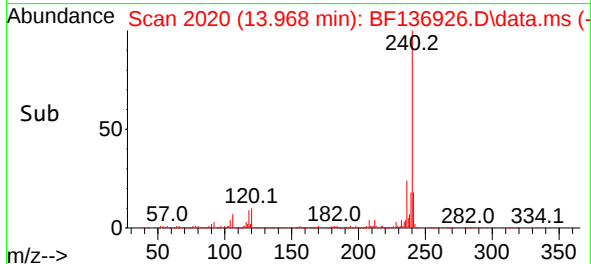
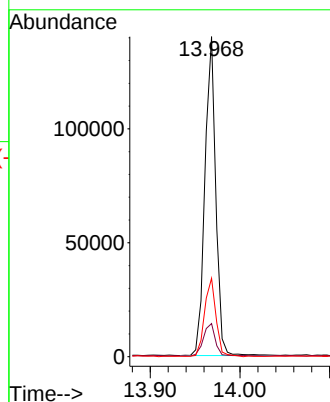
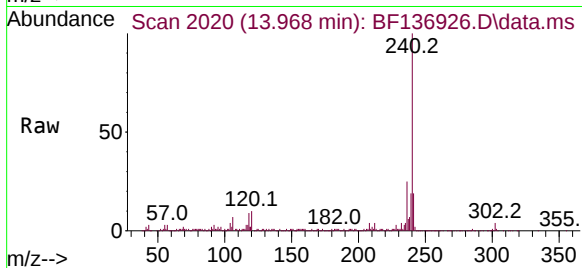
Tgt Ion:240 Resp: 117356

Ion Ratio Lower Upper

240 100

120 10.4 10.3 15.5

236 24.5 19.4 29.2



#78

Pyrene

Concen: 3.437 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136926.D

Acq: 04 Jan 2024 01:03

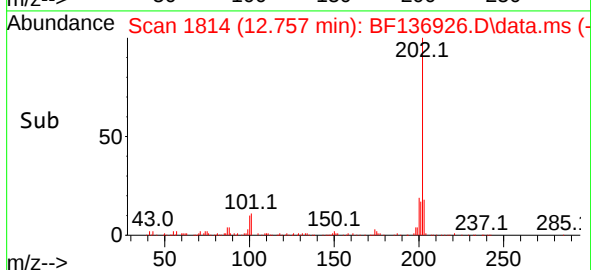
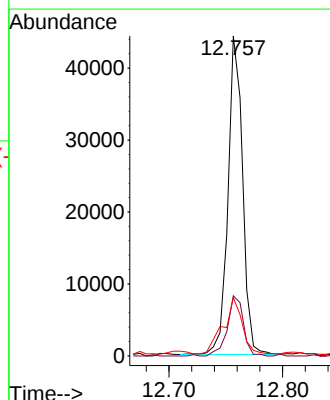
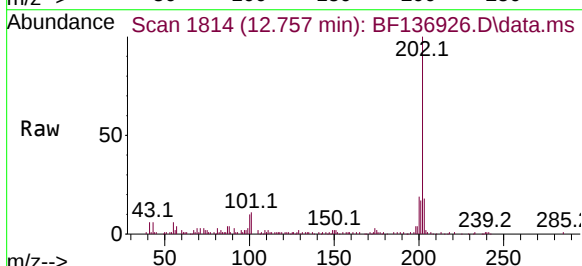
Tgt Ion:202 Resp: 39594

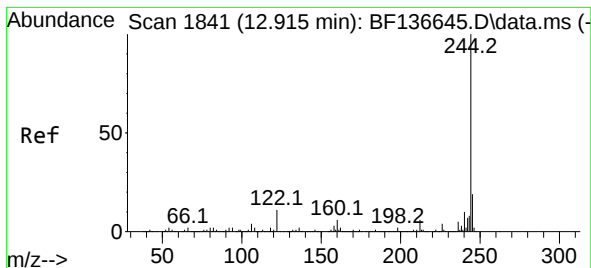
Ion Ratio Lower Upper

202 100

200 18.8 15.9 23.9

203 18.2 13.8 20.6





#79

Terphenyl-d14

Concen: 53.050 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136926.D

Acq: 04 Jan 2024 01:03

Instrument :

BNA_F

ClientSampleId :

GHL-SS-22

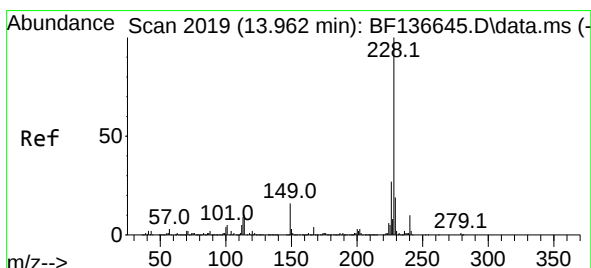
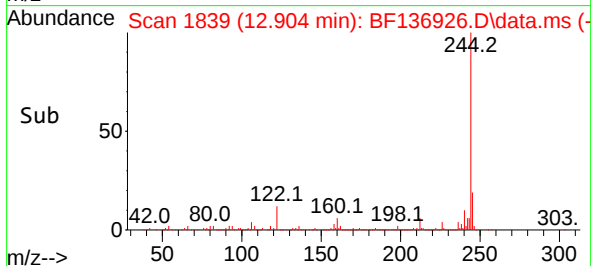
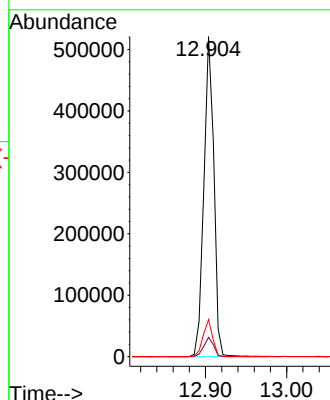
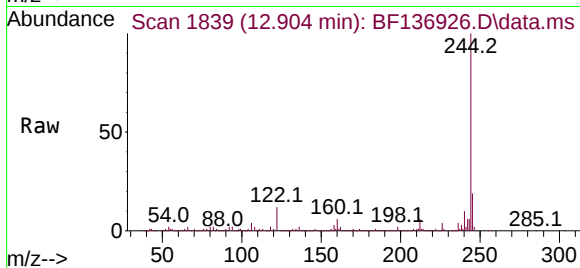
Tgt Ion:244 Resp: 445505

Ion Ratio Lower Upper

244 100

212 6.1 5.0 7.4

122 11.6 9.0 13.4



#81

Benzo(a)anthracene

Concen: 3.337 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF136926.D

Acq: 04 Jan 2024 01:03

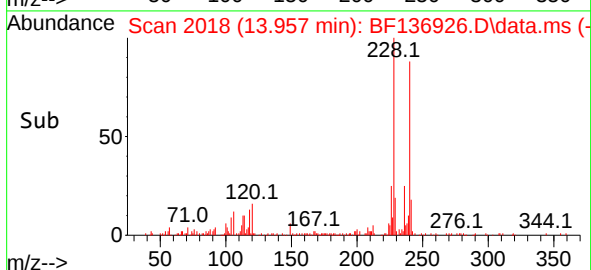
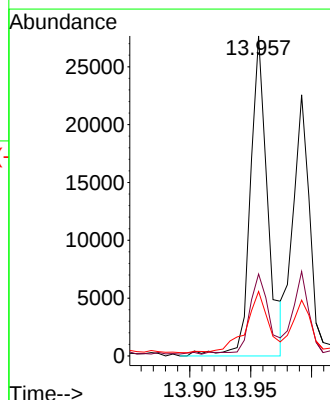
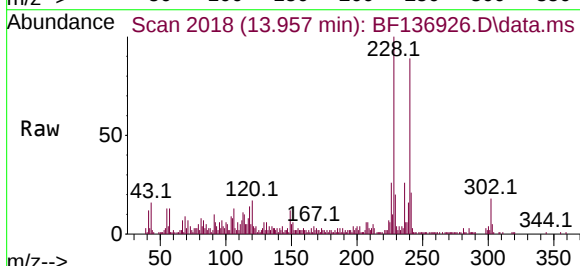
Tgt Ion:228 Resp: 27190

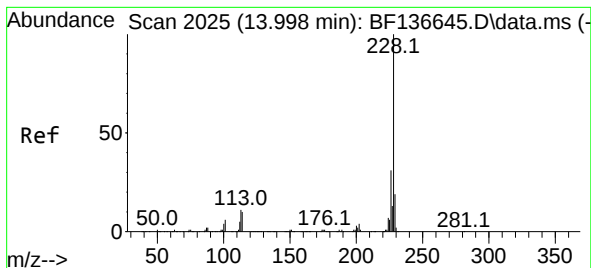
Ion Ratio Lower Upper

228 100

226 25.6 21.4 32.0

229 20.1 14.9 22.3





#83

Chrysene

Concen: 2.744 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136926.D

Acq: 04 Jan 2024 01:03

Instrument :

BNA_F

ClientSampleId :

GHL-SS-22

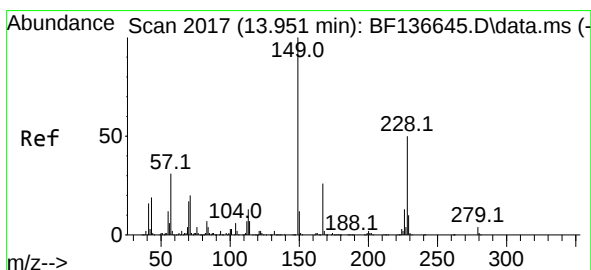
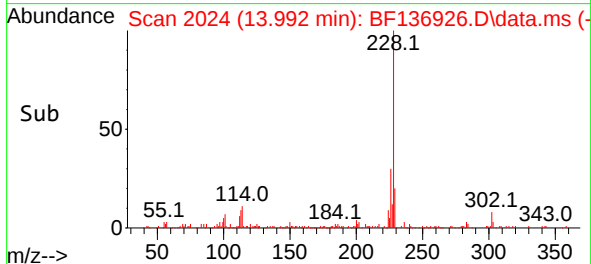
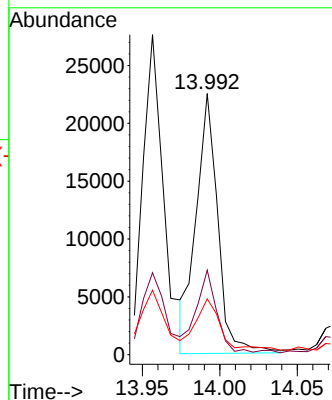
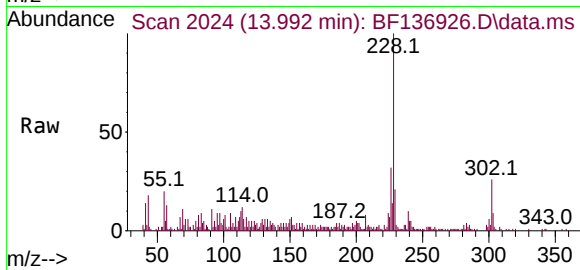
Tgt Ion:228 Resp: 21864

Ion Ratio Lower Upper

228 100

226 32.3 24.7 37.1

229 21.4 15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.871 ng

RT: 13.945 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF136926.D

Acq: 04 Jan 2024 01:03

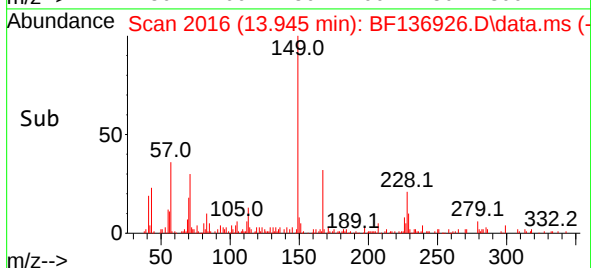
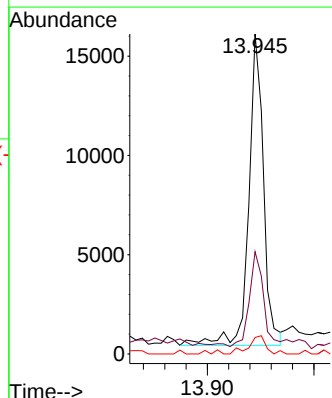
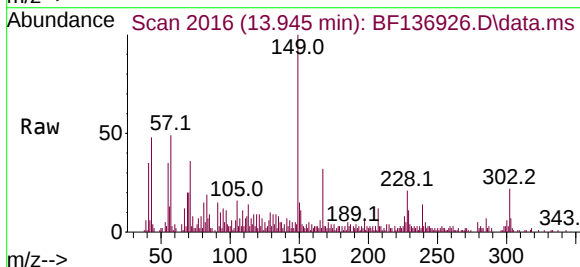
Tgt Ion:149 Resp: 15142

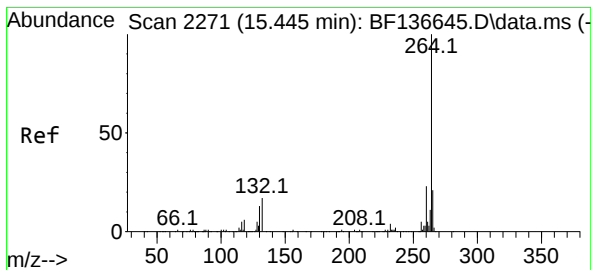
Ion Ratio Lower Upper

149 100

167 31.9 20.9 31.3#

279 5.2 2.9 4.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136926.D

Acq: 04 Jan 2024 01:03

Instrument :

BNA_F

ClientSampleId :

GHL-SS-22

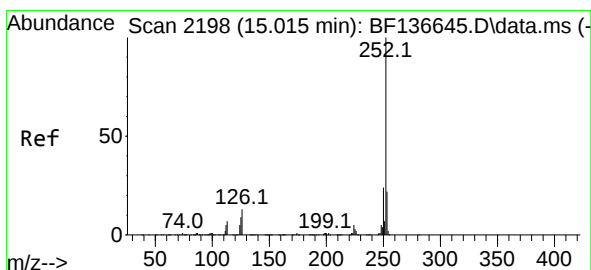
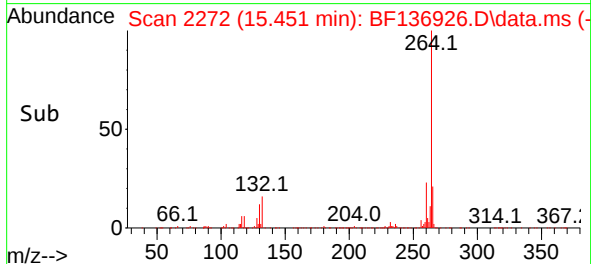
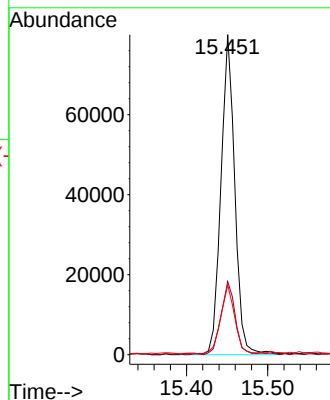
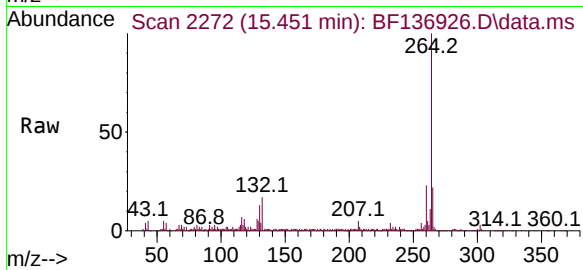
Tgt Ion:264 Resp: 95489

Ion Ratio Lower Upper

264 100

260 22.9 18.3 27.5

265 21.8 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 4.388 ng

RT: 15.015 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF136926.D

Acq: 04 Jan 2024 01:03

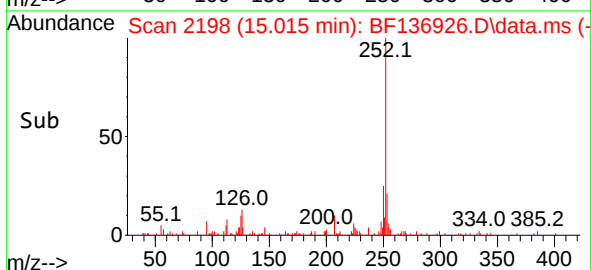
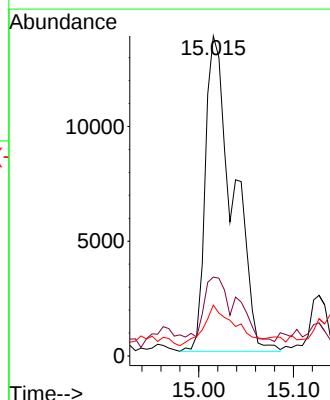
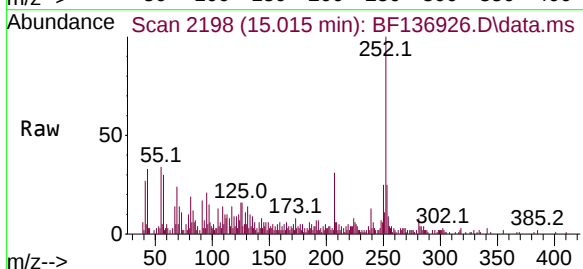
Tgt Ion:252 Resp: 27987

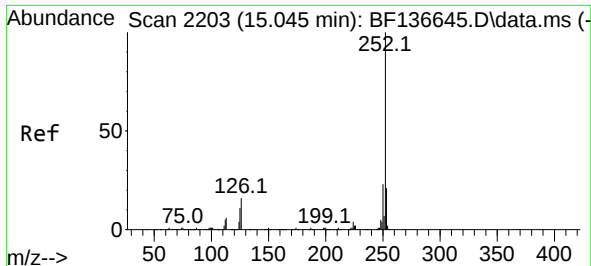
Ion Ratio Lower Upper

252 100

253 24.6 17.4 26.0

125 15.9 7.4 11.2#

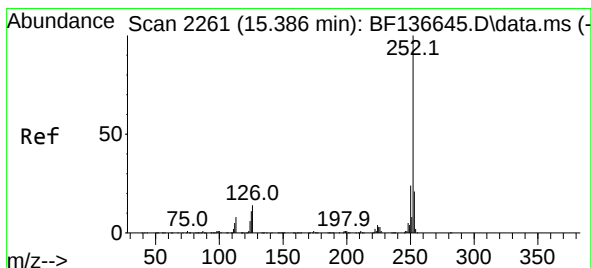
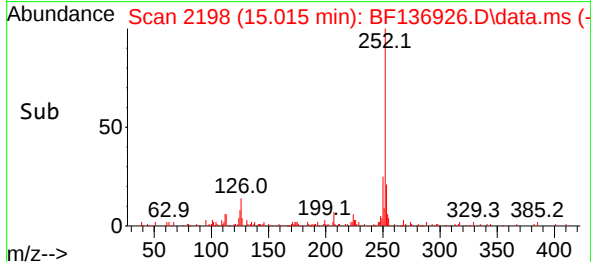
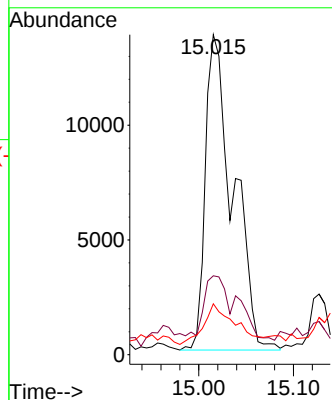
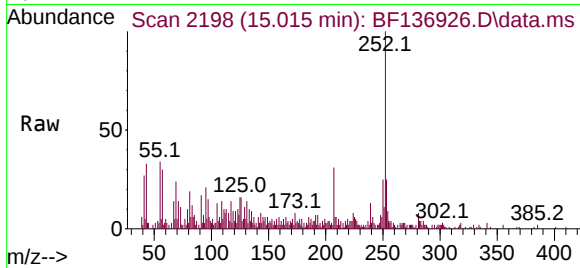




#89
Benzo(k)fluoranthene
Concen: 4.644 ng
RT: 15.015 min Scan# 2198
Delta R.T. -0.029 min
Lab File: BF136926.D
Acq: 04 Jan 2024 01:03

Instrument :
BNA_F
ClientSampleId :
GHL-SS-22

Tgt Ion:252 Resp: 27987
Ion Ratio Lower Upper
252 100
253 24.6 17.0 25.6
125 15.9 8.2 12.4#



#90
Benzo(a)pyrene
Concen: 2.303 ng
RT: 15.386 min Scan# 2261
Delta R.T. 0.000 min
Lab File: BF136926.D
Acq: 04 Jan 2024 01:03

Tgt Ion:252 Resp: 12397
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.6
125 16.4 8.8 13.2#

