

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
 Data File : BF136705.D
 Acq On : 23 Dec 2023 01:41
 Operator : CG\JU
 Sample : 05940-05 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-04-122023

Quant Time: Dec 23 03:44:51 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)

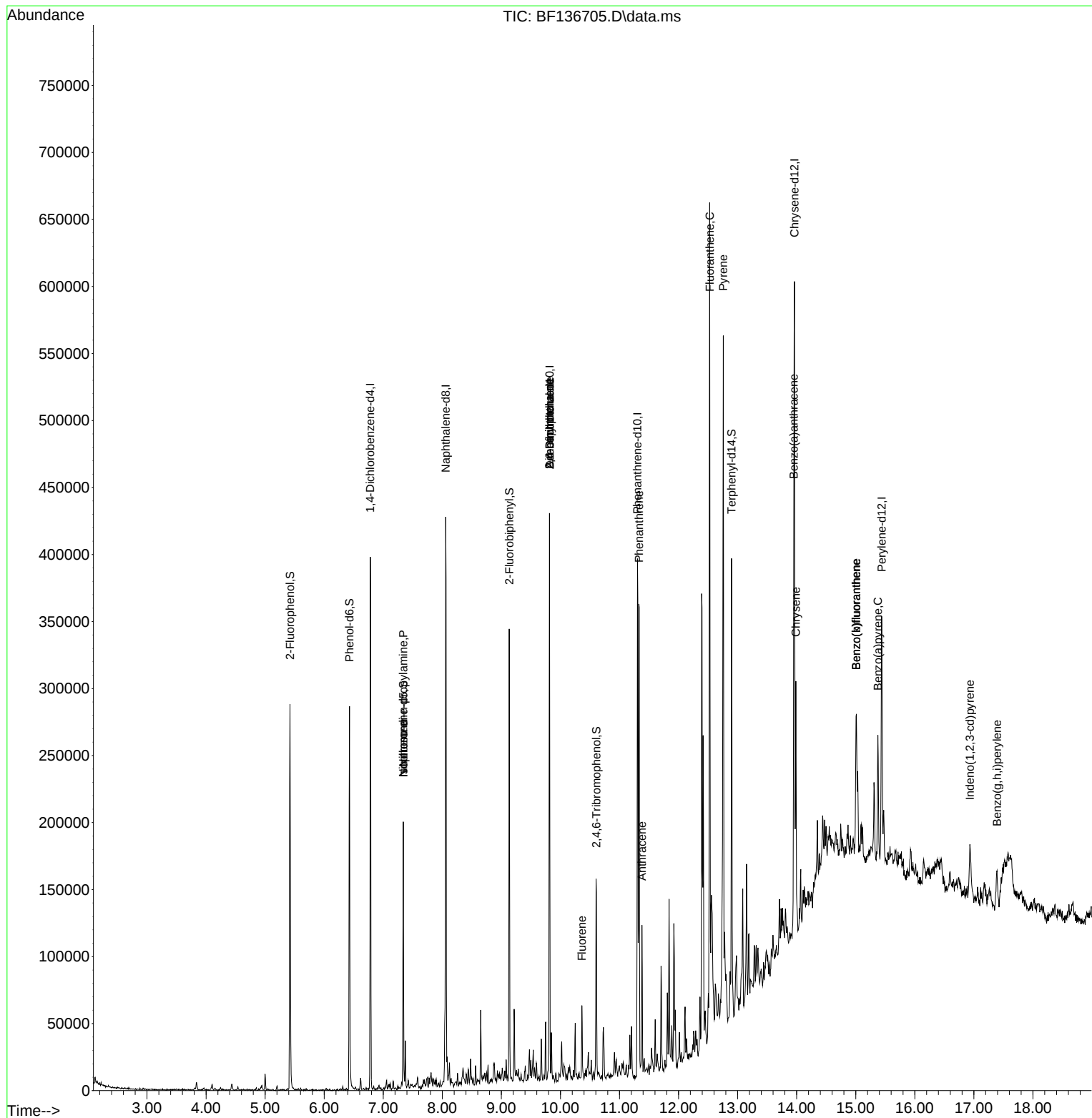
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	57597	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	182466	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	74646	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	143135	20.000	ng	-0.01
76) Chrysene-d12	13.962	240	131414	20.000	ng	0.00
86) Perylene-d12	15.439	264	90754	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	77922	21.109	ng	0.00
7) Phenol-d6	6.428	99	92327	19.302	ng	-0.01
23) Nitrobenzene-d5	7.339	82	51639	14.482	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	17523	19.932	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	90172	16.247	ng	-0.02
79) Terphenyl-d14	12.898	244	109813	11.678	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.339	70	7180	2.476	ng	# 72
25) Isophorone	7.339	82	51637	7.958	ng	# 65
50) Dimethylphthalate	9.816	163	15303	2.807	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	9888	7.991	ng	# 31
57) 2,4-Dinitrotoluene	9.816	165	9888	6.155	ng	# 22
58) Fluorene	10.363	166	15147	2.791	ng	99
71) Phenanthrene	11.333	178	136076	18.528	ng	99
72) Anthracene	11.380	178	39667	5.333	ng	98
75) Fluoranthene	12.527	202	230698	29.366	ng	99
78) Pyrene	12.757	202	204172	15.827	ng	99
81) Benzo(a)anthracene	13.951	228	89741	9.834	ng	99
83) Chrysene	13.986	228	70495	7.900	ng	96
87) Indeno(1,2,3-cd)pyrene	16.933	276	24451	3.732	ng	99
88) Benzo(b)fluoranthene	15.009	252	81305	13.413	ng	# 96
89) Benzo(k)fluoranthene	15.009	252	81305	14.195	ng	97
90) Benzo(a)pyrene	15.374	252	43648	8.531	ng	# 94
92) Benzo(g,h,i)perylene	17.392	276	22604	4.105	ng	96

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

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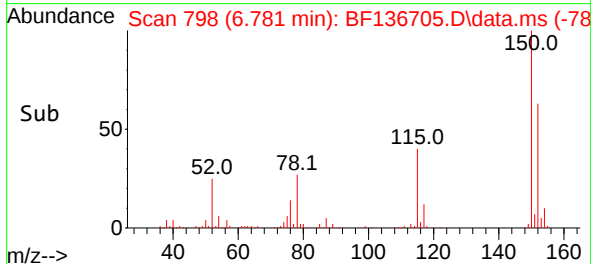
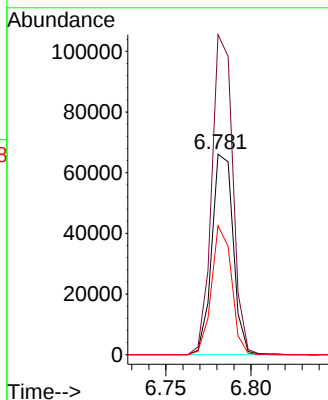
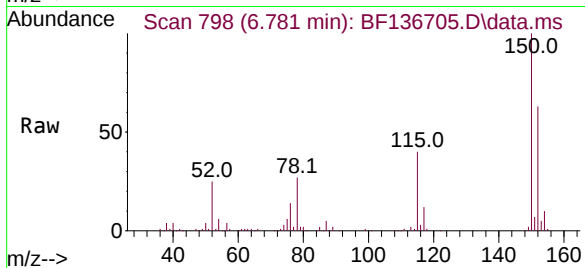




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 79
 Delta R.T. -0.011 min
 Lab File: BF136705.D
 Acq: 23 Dec 2023 01:41

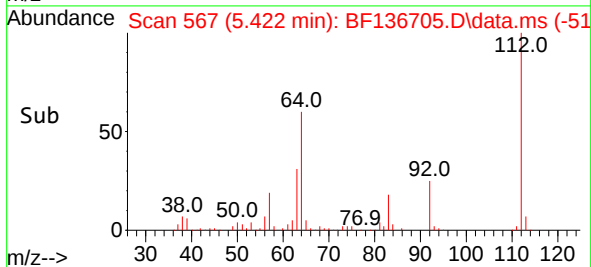
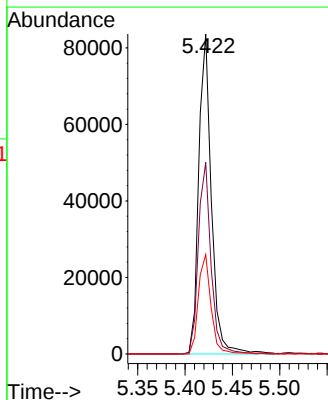
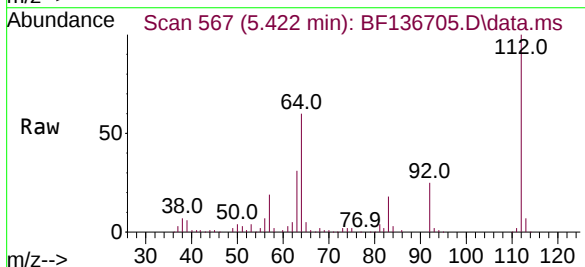
Instrument :
 BNA_F
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 PL-04-122023

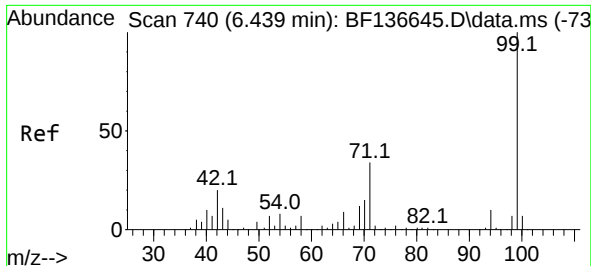
Tgt Ion:152 Resp: 57597
 Ion Ratio Lower Upper
 152 100
 150 159.7 127.0 190.6
 115 64.4 49.0 73.4



#5
 2-Fluorophenol
 Concen: 21.109 ng
 RT: 5.422 min Scan# 567
 Delta R.T. -0.006 min
 Lab File: BF136705.D
 Acq: 23 Dec 2023 01:41

Tgt Ion:112 Resp: 77922
 Ion Ratio Lower Upper
 112 100
 64 59.8 51.1 76.7
 63 31.1 26.1 39.1

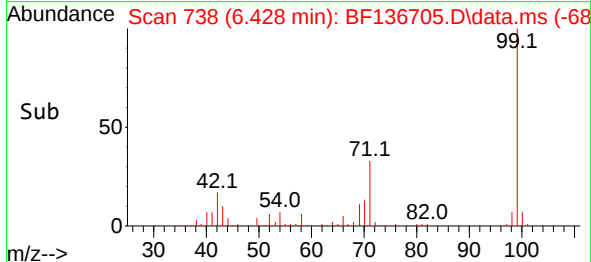
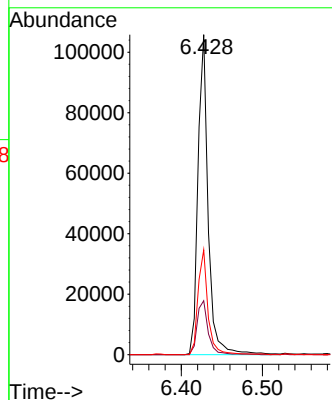
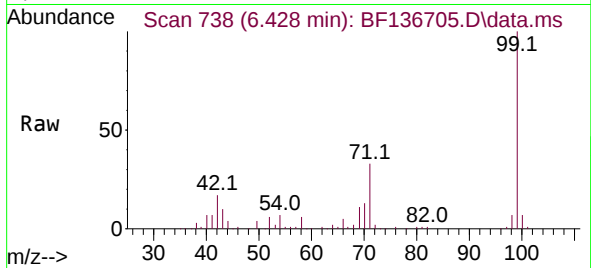




#7
Phenol-d6
Concen: 19.302 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136705.D
Acq: 23 Dec 2023 01:41

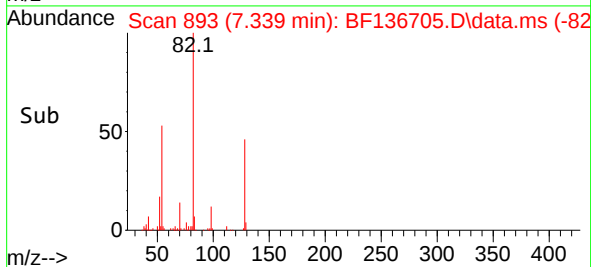
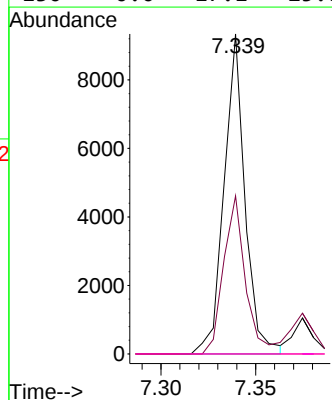
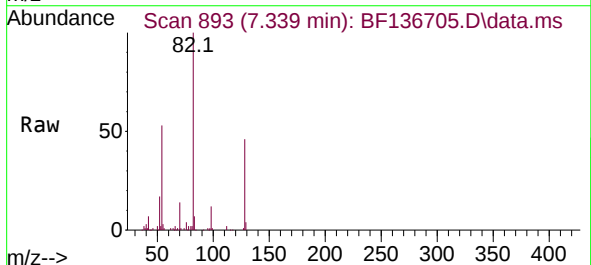
Instrument :
BNA_F
ClientSampleId :
PL-04-122023

Tgt Ion: 99 Resp: 92327
Ion Ratio Lower Upper
99 100
42 16.8 16.1 24.1
71 32.7 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 2.476 ng
RT: 7.339 min Scan# 893
Delta R.T. 0.129 min
Lab File: BF136705.D
Acq: 23 Dec 2023 01:41

Tgt Ion: 70 Resp: 7180
Ion Ratio Lower Upper
70 100
42 49.4 54.2 81.4#
101 0.0 7.6 11.4#
130 0.0 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: BF136705.D

Acq: 23 Dec 2023 01:41

Instrument :

BNA_F

ClientSampleId :

PL-04-122023

Tgt Ion:136 Resp: 182466

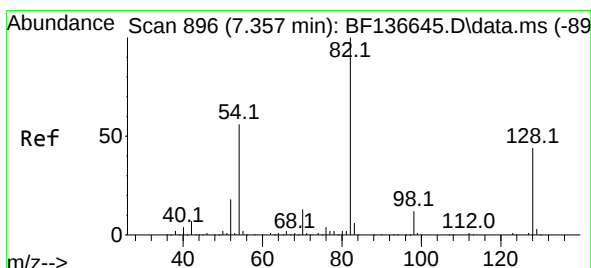
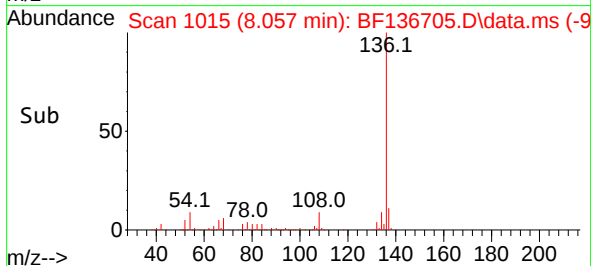
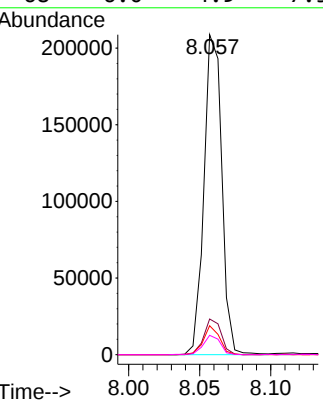
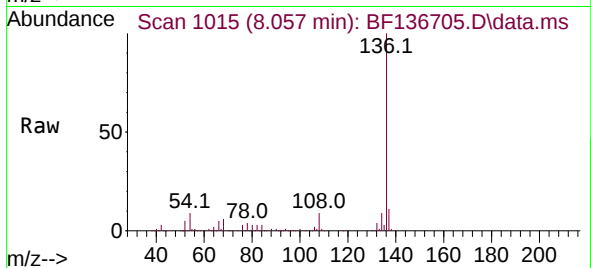
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 9.0 7.2 10.8

68 6.0 4.9 7.3



#23

Nitrobenzene-d5

Concen: 14.482 ng

RT: 7.339 min Scan# 893

Delta R.T. -0.018 min

Lab File: BF136705.D

Acq: 23 Dec 2023 01:41

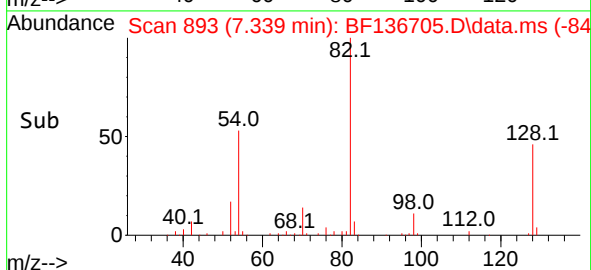
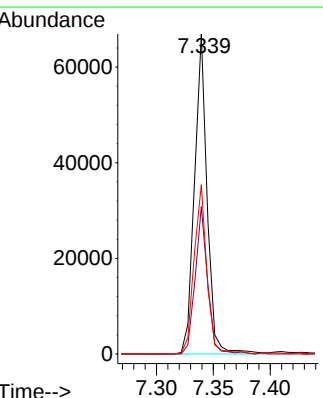
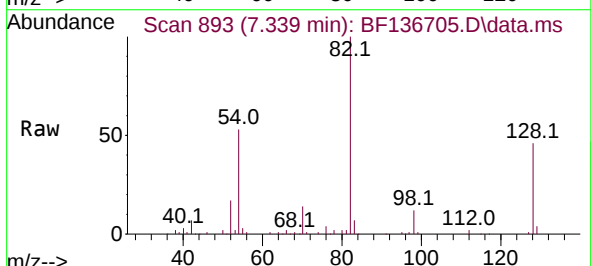
Tgt Ion: 82 Resp: 51639

Ion Ratio Lower Upper

82 100

128 46.1 35.3 52.9

54 52.9 44.5 66.7

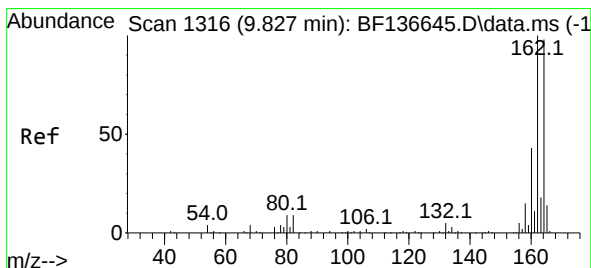
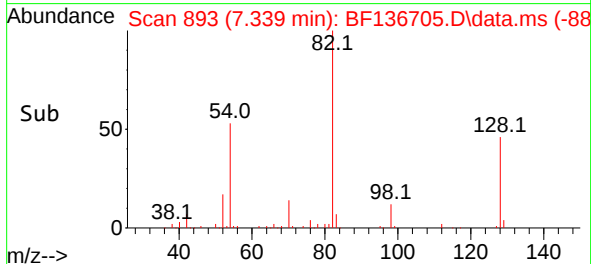
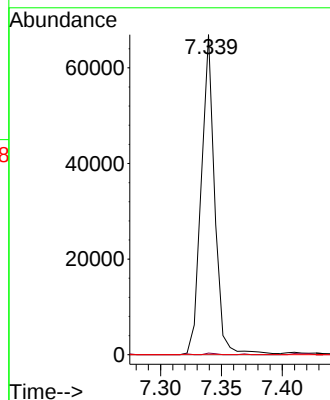
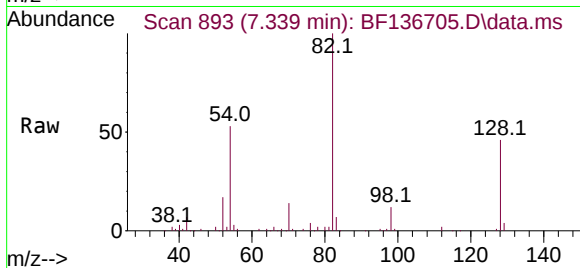




#25
Isophorone
Concen: 7.958 ng
RT: 7.339 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF136705.D
Acq: 23 Dec 2023 01:41

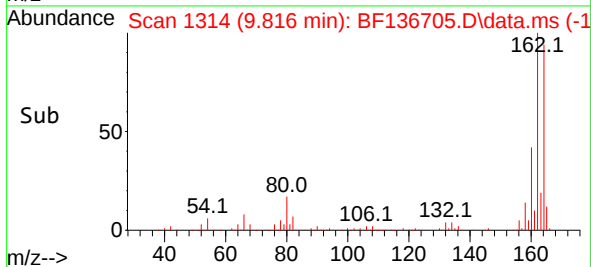
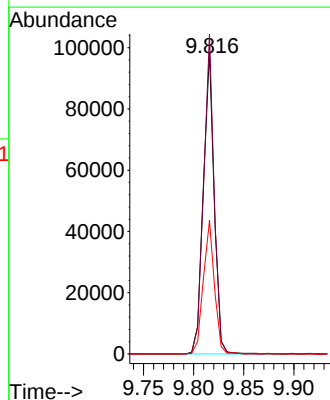
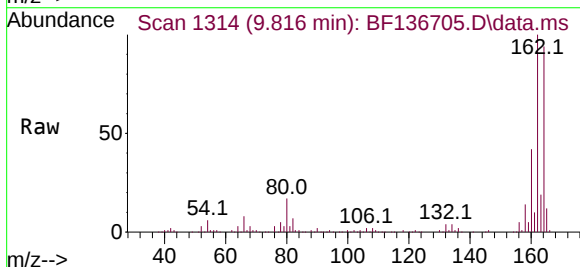
Instrument :
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ClientSampleId :
PL-04-122023

Tgt Ion: 82 Resp: 51637
Ion Ratio Lower Upper
82 100
95 0.5 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: BF136705.D
Acq: 23 Dec 2023 01:41

Tgt Ion: 164 Resp: 74646
Ion Ratio Lower Upper
164 100
162 105.9 81.6 122.4
160 44.2 34.9 52.3

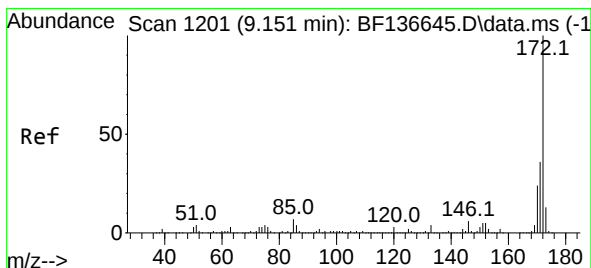
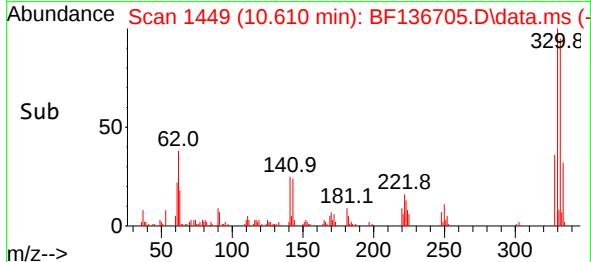
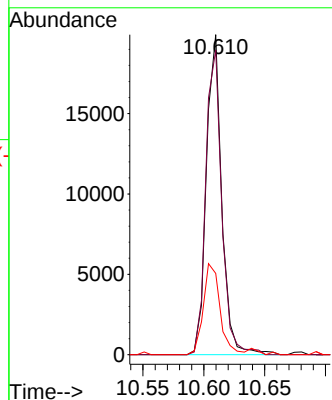
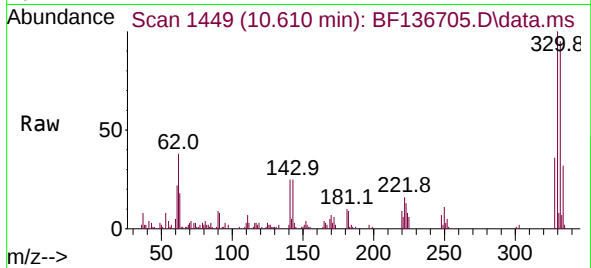




#42
2,4,6-Tribromophenol
Concen: 19.932 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136705.D
Acq: 23 Dec 2023 01:41

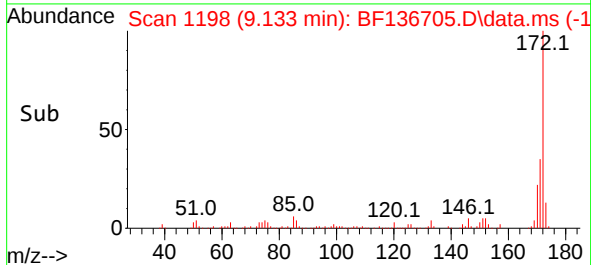
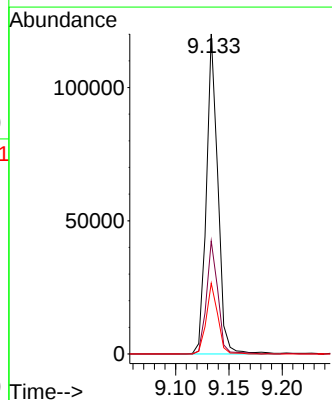
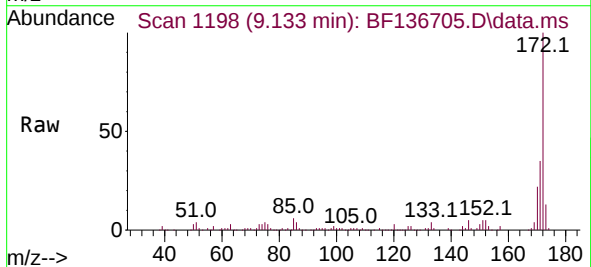
Instrument :
BNA_F
ClientSampleId :
PL-04-122023

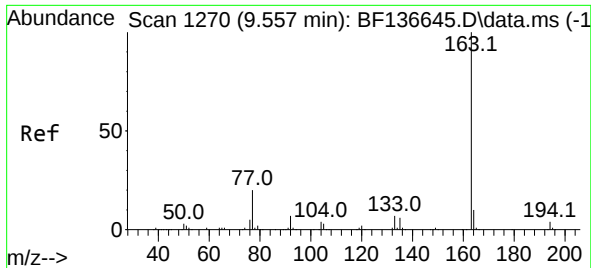
Tgt Ion: 330 Resp: 17523
Ion Ratio Lower Upper
330 100
332 98.8 77.4 116.0
141 31.0 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 16.247 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF136705.D
Acq: 23 Dec 2023 01:41

Tgt Ion: 172 Resp: 90172
Ion Ratio Lower Upper
172 100
171 35.3 29.0 43.6
170 22.1 19.0 28.4

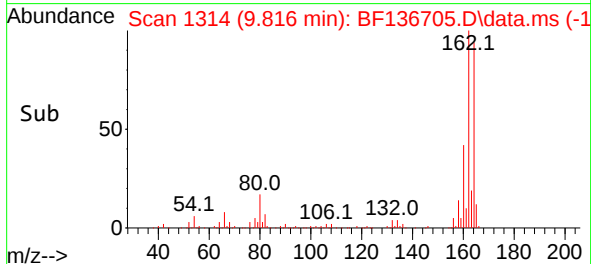
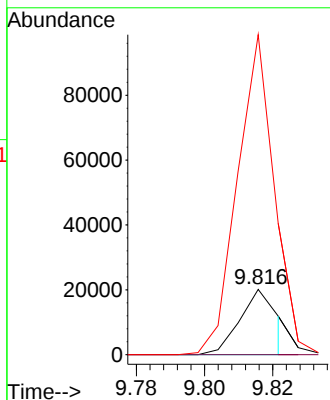
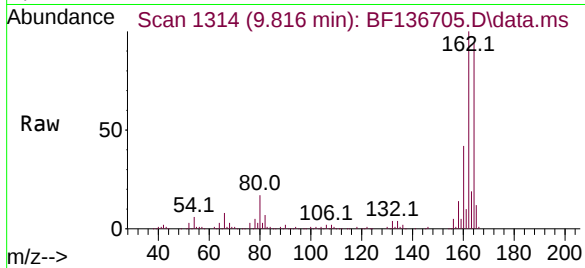




#50
Dimethylphthalate
Concen: 2.807 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136705.D
Acq: 23 Dec 2023 01:41

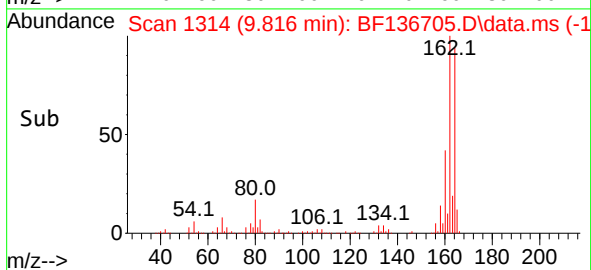
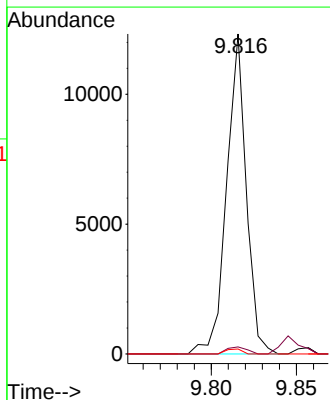
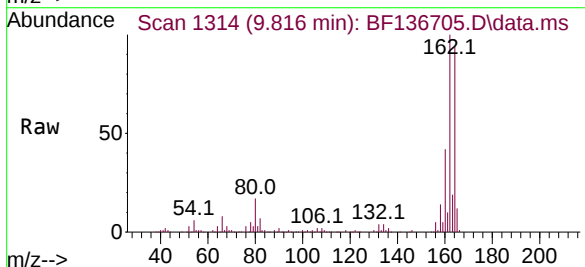
Instrument :
BNA_F
ClientSampleId :
PL-04-122023

Tgt Ion:163 Resp: 15303
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 489.7 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.991 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136705.D
Acq: 23 Dec 2023 01:41

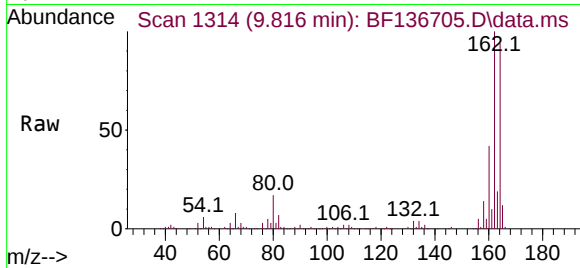
Tgt Ion:165 Resp: 9888
Ion Ratio Lower Upper
165 100
63 2.2 39.8 59.6#
89 1.5 38.8 58.2#



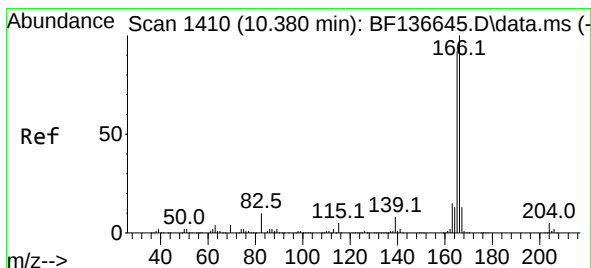
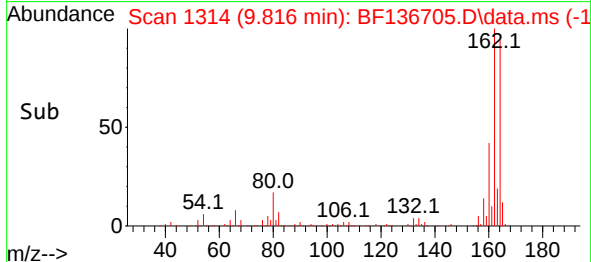
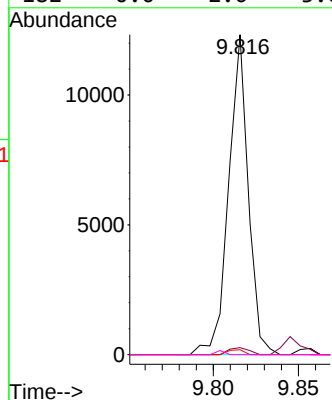


#57
2,4-Dinitrotoluene
Concen: 6.155 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136705.D
Acq: 23 Dec 2023 01:41

Instrument :
BNA_F
ClientSampleId :
PL-04-122023

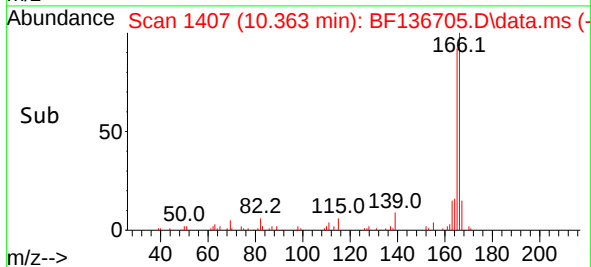
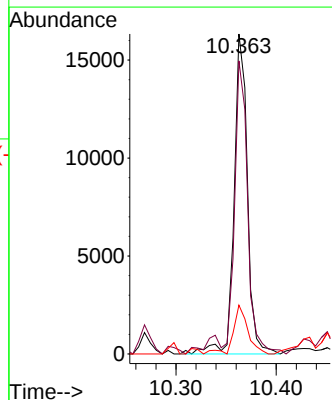
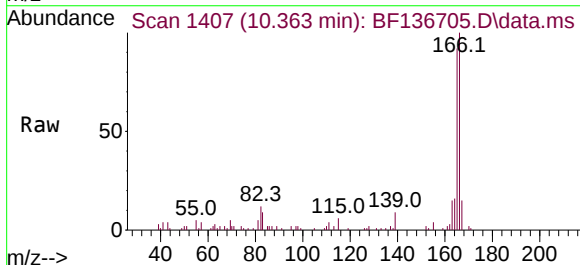


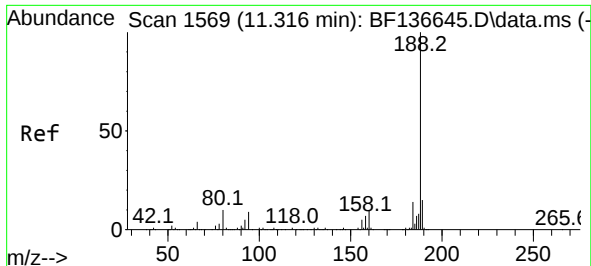
Tgt Ion:165 Resp: 9888
Ion Ratio Lower Upper
165 100
63 2.2 41.0 61.6#
89 1.5 59.9 89.9#
182 0.0 2.0 3.0#



#58
Fluorene
Concen: 2.791 ng
RT: 10.363 min Scan# 1407
Delta R.T. -0.018 min
Lab File: BF136705.D
Acq: 23 Dec 2023 01:41

Tgt Ion:166 Resp: 15147
Ion Ratio Lower Upper
166 100
165 91.6 73.7 110.5
167 15.3 10.4 15.6

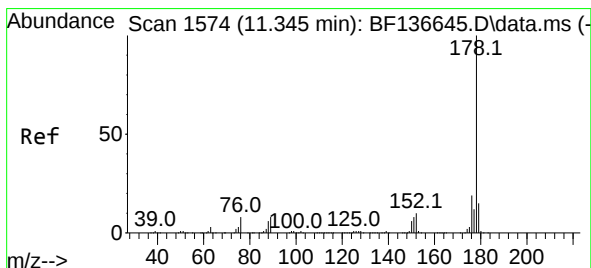
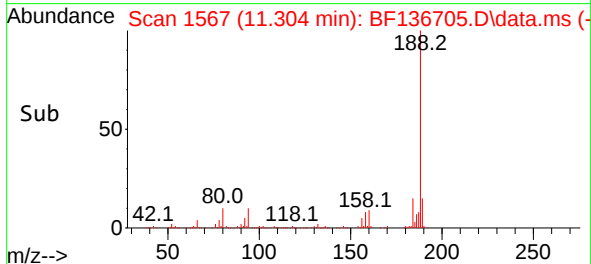
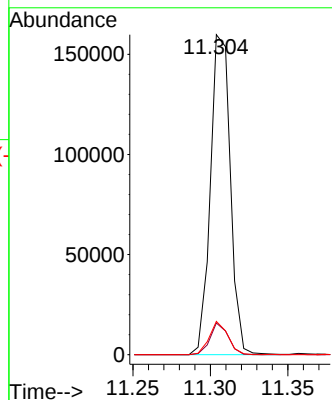
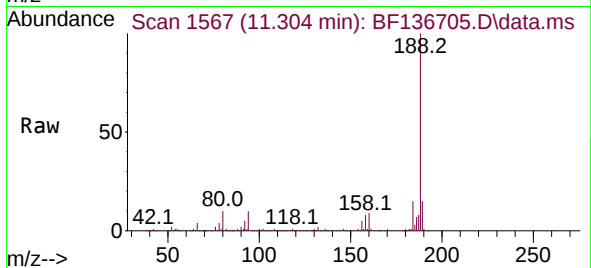




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136705.D
Acq: 23 Dec 2023 01:41

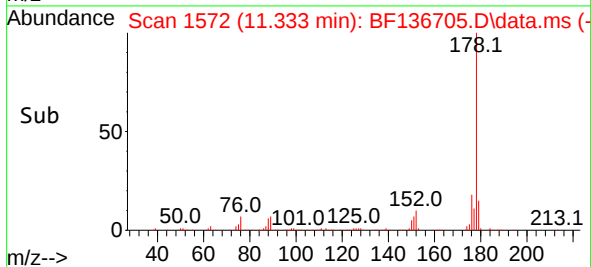
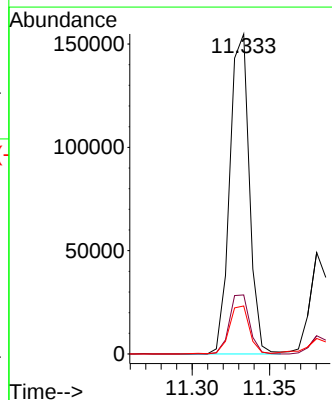
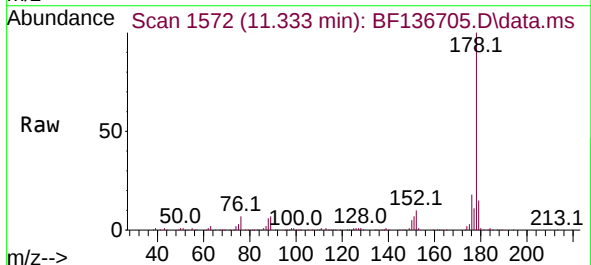
Instrument :
BNA_F
ClientSampleId :
PL-04-122023

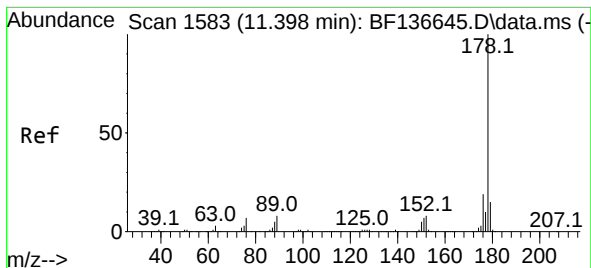
Tgt Ion:188 Resp: 143135
Ion Ratio Lower Upper
188 100
94 9.9 7.5 11.3
80 10.4 8.1 12.1



#71
Phenanthrene
Concen: 18.528 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136705.D
Acq: 23 Dec 2023 01:41

Tgt Ion:178 Resp: 136076
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 15.0 11.9 17.9





#72

Anthracene

Concen: 5.333 ng

RT: 11.380 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF136705.D

Acq: 23 Dec 2023 01:41

Instrument :

BNA_F

ClientSampleId :

PL-04-122023

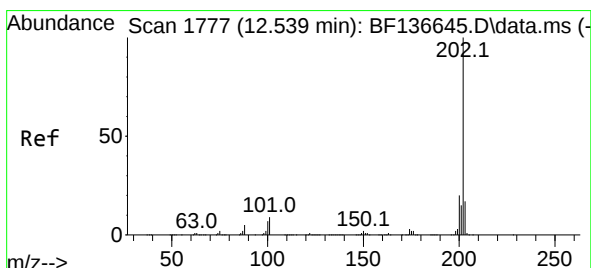
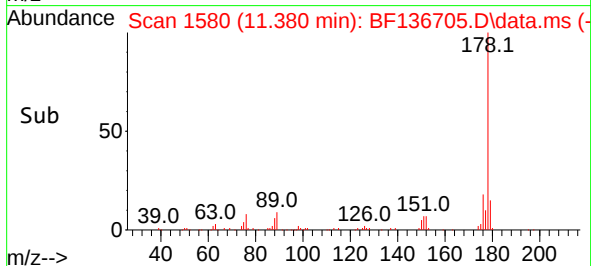
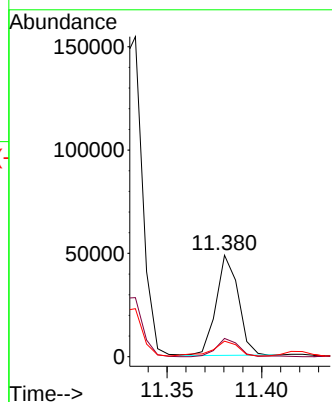
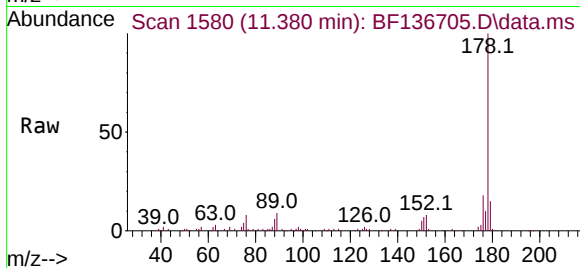
Tgt Ion:178 Resp: 39667

Ion Ratio Lower Upper

178 100

176 17.9 14.9 22.3

179 15.3 11.8 17.6



#75

Fluoranthene

Concen: 29.366 ng

RT: 12.527 min Scan# 1775

Delta R.T. -0.012 min

Lab File: BF136705.D

Acq: 23 Dec 2023 01:41

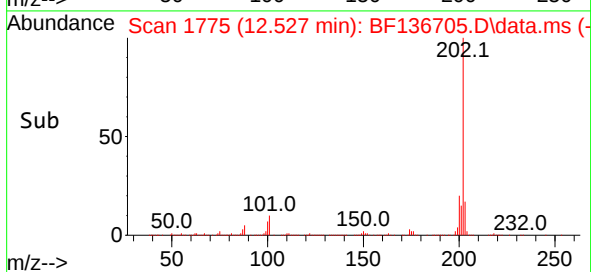
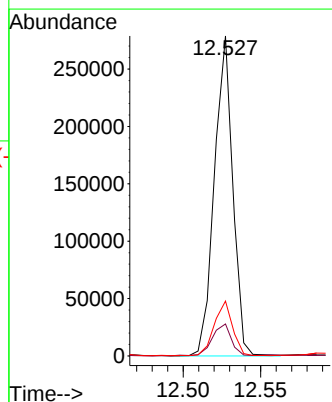
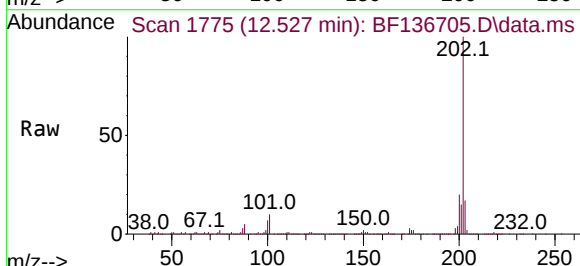
Tgt Ion:202 Resp: 230698

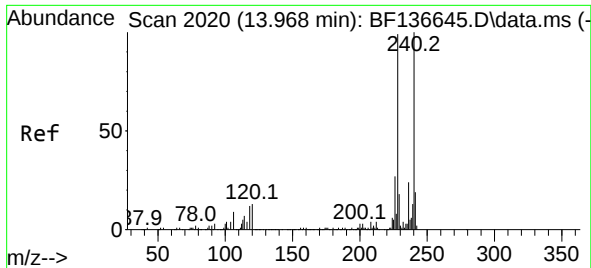
Ion Ratio Lower Upper

202 100

101 10.0 0.0 29.3

203 17.1 0.0 37.1

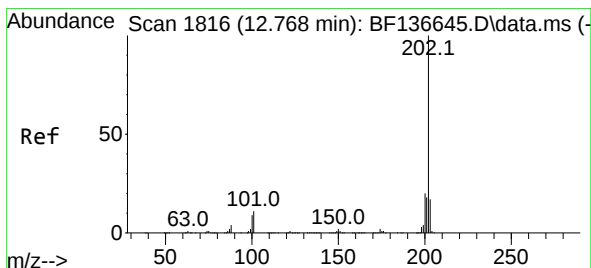
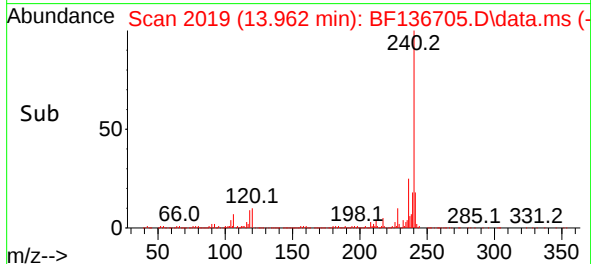
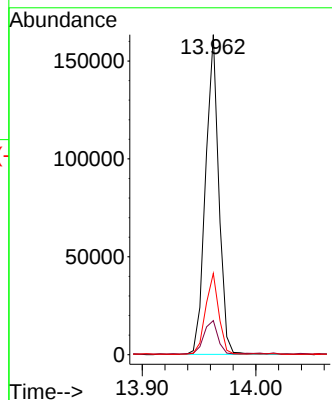
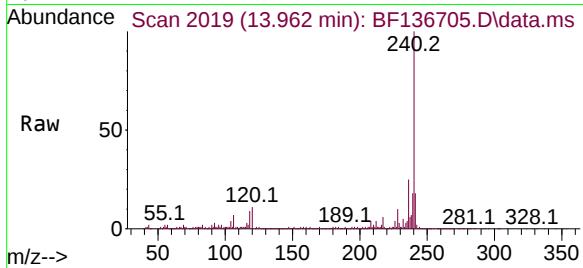




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136705.D
Acq: 23 Dec 2023 01:41

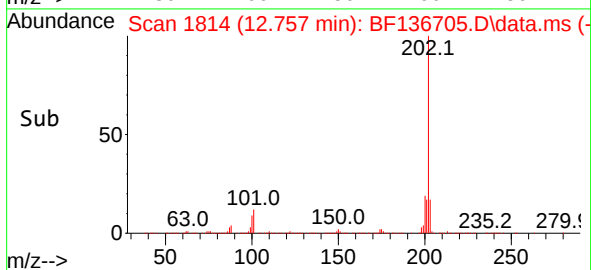
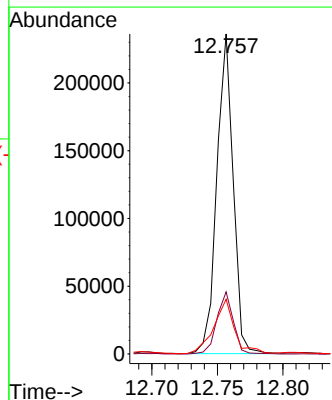
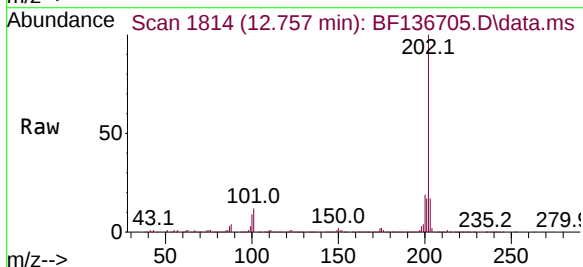
Instrument :
BNA_F
ClientSampleId :
PL-04-122023

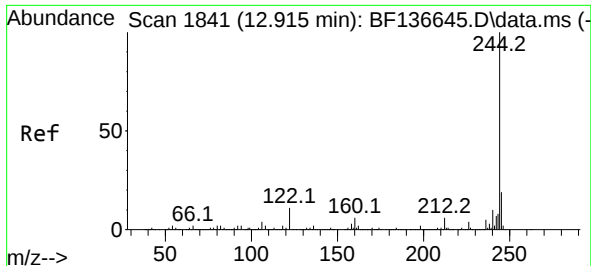
Tgt Ion:240 Resp: 131414
Ion Ratio Lower Upper
240 100
120 10.7 10.3 15.5
236 25.4 19.4 29.2



#78
Pyrene
Concen: 15.827 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF136705.D
Acq: 23 Dec 2023 01:41

Tgt Ion:202 Resp: 204172
Ion Ratio Lower Upper
202 100
200 19.4 15.9 23.9
203 17.1 13.8 20.6

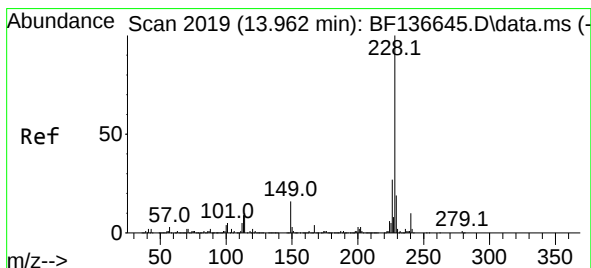
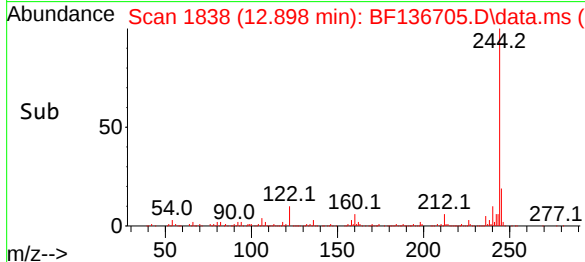
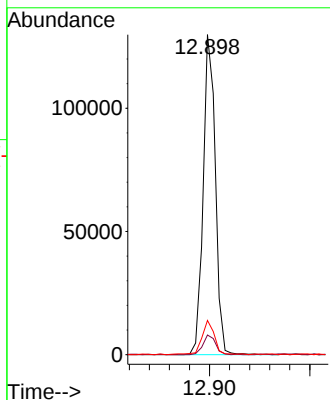
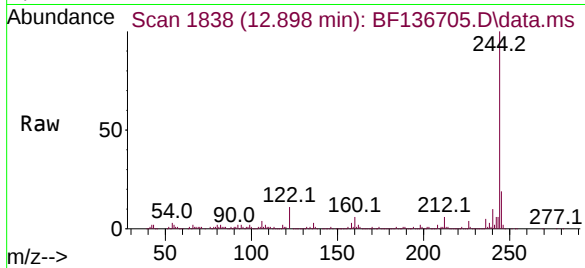




#79
 Terphenyl-d14
 Concen: 11.678 ng
 RT: 12.898 min Scan# 1838
 Delta R.T. -0.018 min
 Lab File: BF136705.D
 Acq: 23 Dec 2023 01:41

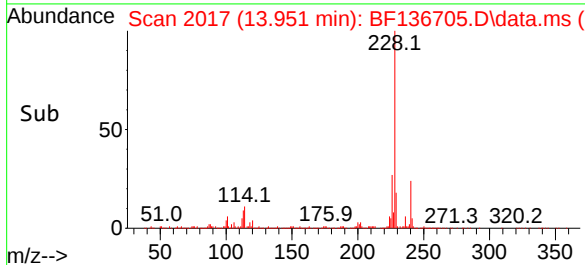
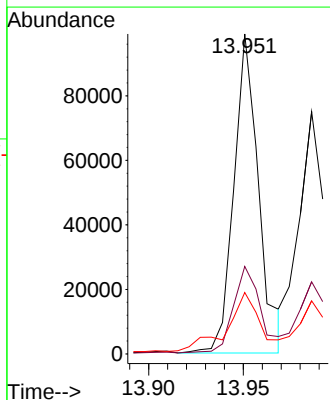
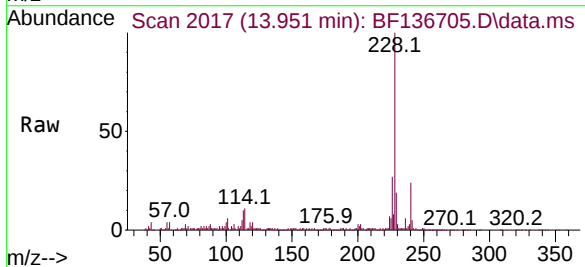
Instrument :
 BNA_F
 ClientSampleId :
 PL-04-122023

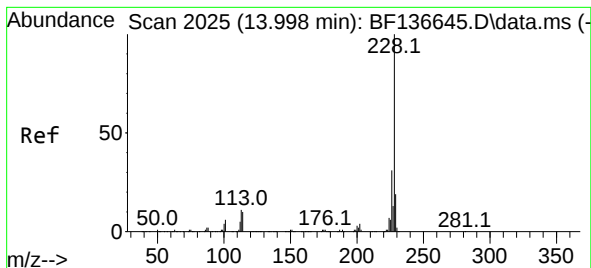
Tgt Ion:244 Resp: 109813
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.0 7.4
 122 10.7 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 9.834 ng
 RT: 13.951 min Scan# 2017
 Delta R.T. -0.012 min
 Lab File: BF136705.D
 Acq: 23 Dec 2023 01:41

Tgt Ion:228 Resp: 89741
 Ion Ratio Lower Upper
 228 100
 226 27.4 21.4 32.0
 229 19.2 14.9 22.3





#83

Chrysene

Concen: 7.900 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136705.D

Acq: 23 Dec 2023 01:41

Instrument :

BNA_F

ClientSampleId :

PL-04-122023

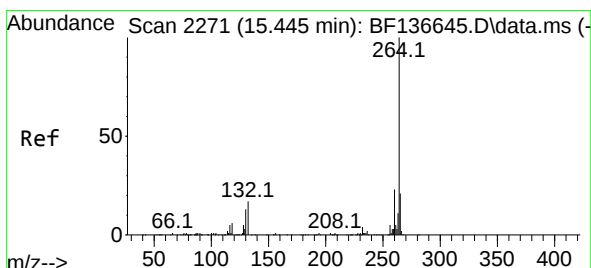
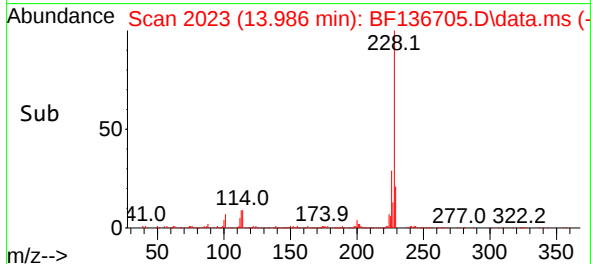
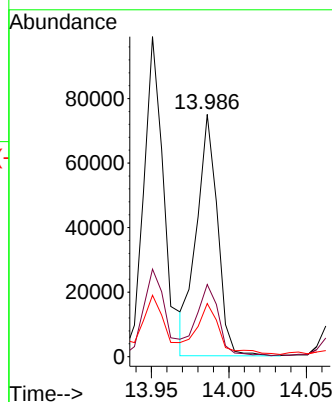
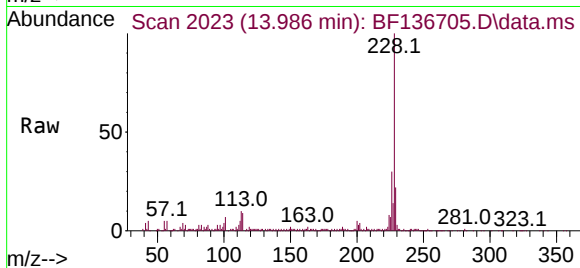
Tgt Ion:228 Resp: 70495

Ion Ratio Lower Upper

228 100

226 29.8 24.7 37.1

229 21.9 15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2270

Delta R.T. -0.006 min

Lab File: BF136705.D

Acq: 23 Dec 2023 01:41

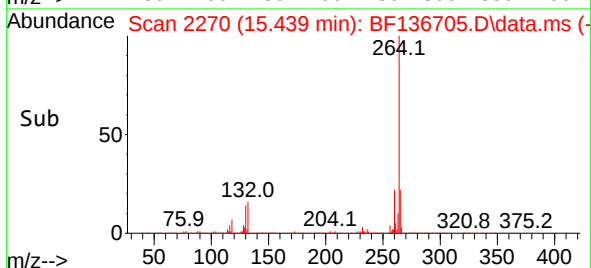
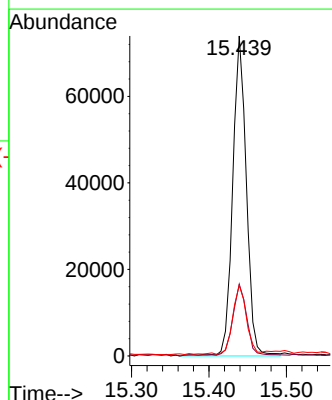
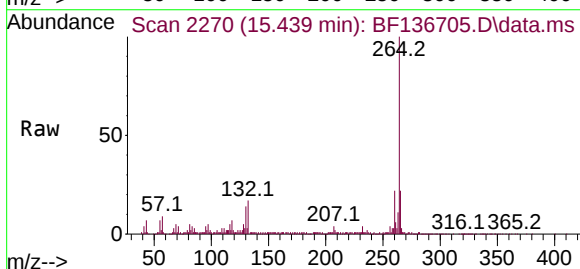
Tgt Ion:264 Resp: 90754

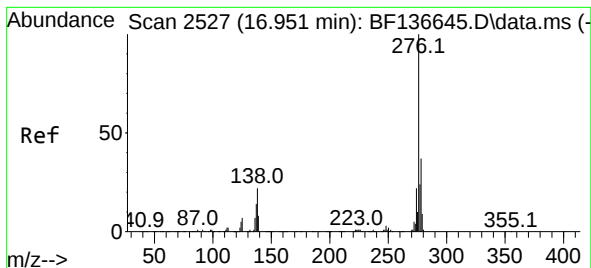
Ion Ratio Lower Upper

264 100

260 22.4 18.3 27.5

265 22.1 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.732 ng

RT: 16.933 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF136705.D

Acq: 23 Dec 2023 01:41

Instrument :

BNA_F

ClientSampleId :

PL-04-122023

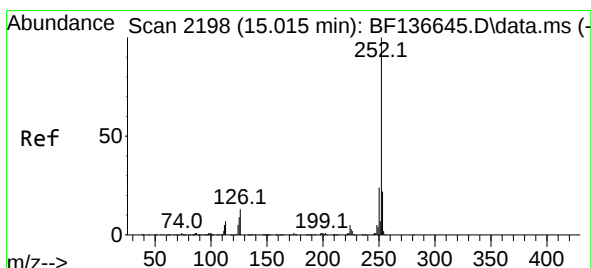
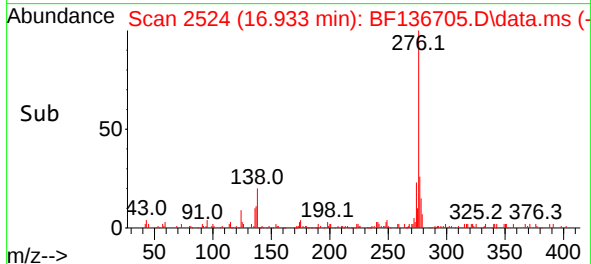
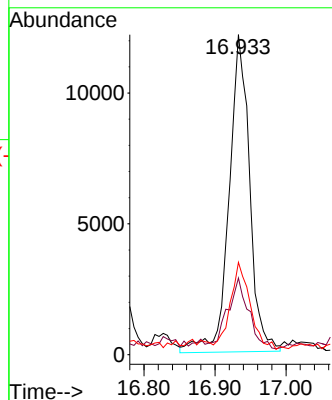
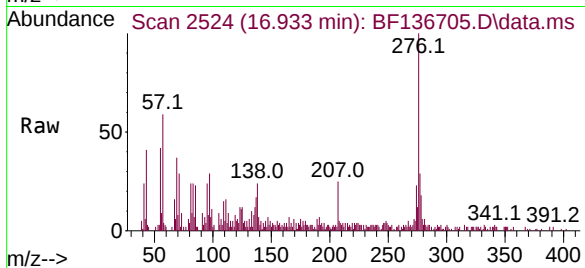
Tgt Ion:276 Resp: 24451

Ion Ratio Lower Upper

276 100

138 22.6 18.7 28.1

277 25.0 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 13.413 ng

RT: 15.009 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF136705.D

Acq: 23 Dec 2023 01:41

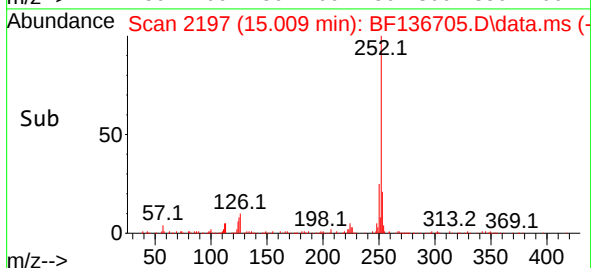
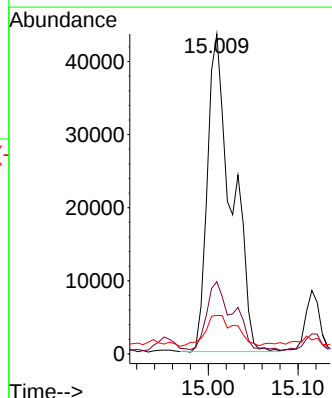
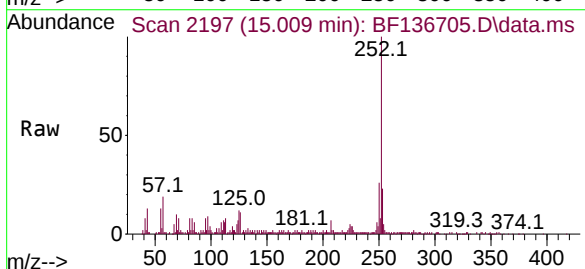
Tgt Ion:252 Resp: 81305

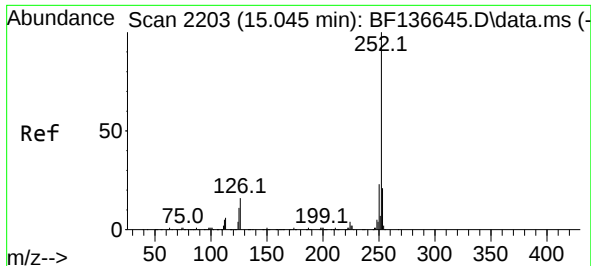
Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

125 12.1 7.4 11.2#

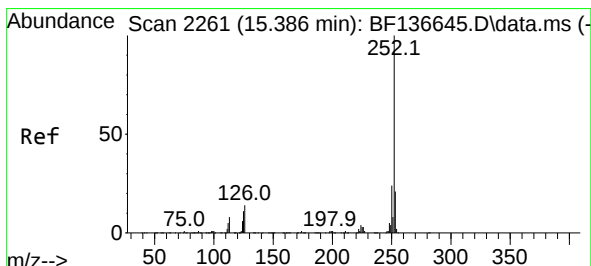
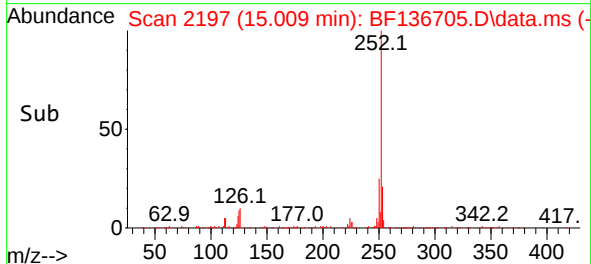
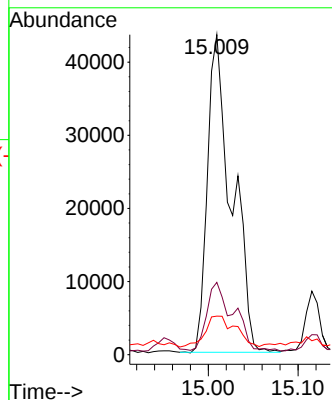
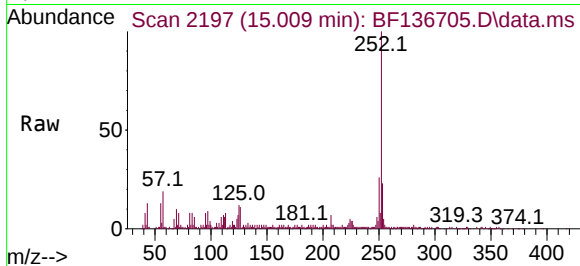




#89
Benzo(k)fluoranthene
Concen: 14.195 ng
RT: 15.009 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF136705.D
Acq: 23 Dec 2023 01:41

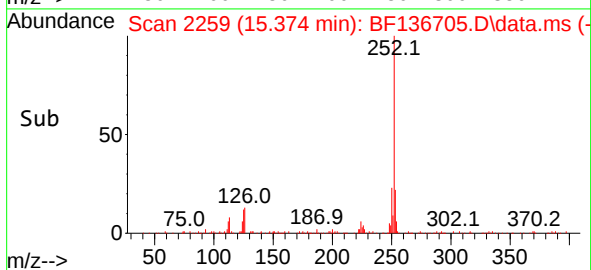
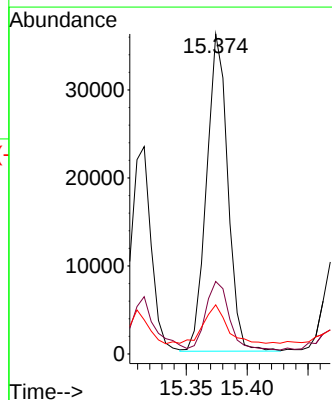
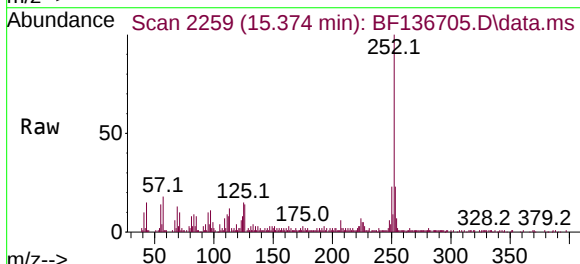
Instrument :
BNA_F
ClientSampleId :
PL-04-122023

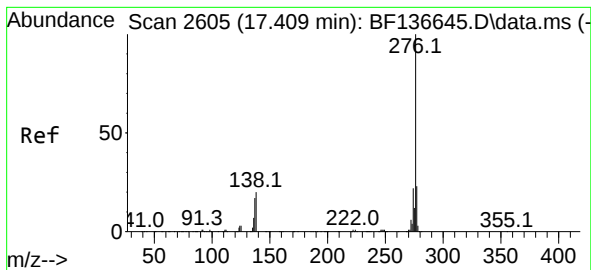
Tgt Ion:252 Resp: 81305
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.6
125 12.1 8.2 12.4



#90
Benzo(a)pyrene
Concen: 8.531 ng
RT: 15.374 min Scan# 2259
Delta R.T. -0.012 min
Lab File: BF136705.D
Acq: 23 Dec 2023 01:41

Tgt Ion:252 Resp: 43648
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.6
125 15.3 8.8 13.2#





#92

Benzo(g,h,i)perylene

Concen: 4.105 ng

RT: 17.392 min Scan# 2

Delta R.T. -0.018 min

Lab File: BF136705.D

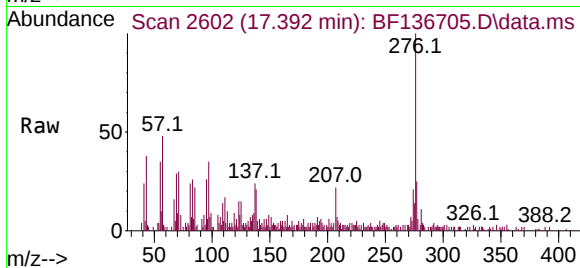
Acq: 23 Dec 2023 01:41

Instrument :

BNA_F

ClientSampleId :

PL-04-122023



Tgt Ion:276 Resp: 22604

Ion Ratio Lower Upper

276 100

277 24.6 18.3 27.5

138 21.4 15.6 23.4

