

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110323\
 Data File : BF136125.D
 Acq On : 03 Nov 2023 15:38
 Operator : CG\JU
 Sample : 05197-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SCF

Quant Time: Nov 03 16:16:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
 Response via : Initial Calibration

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

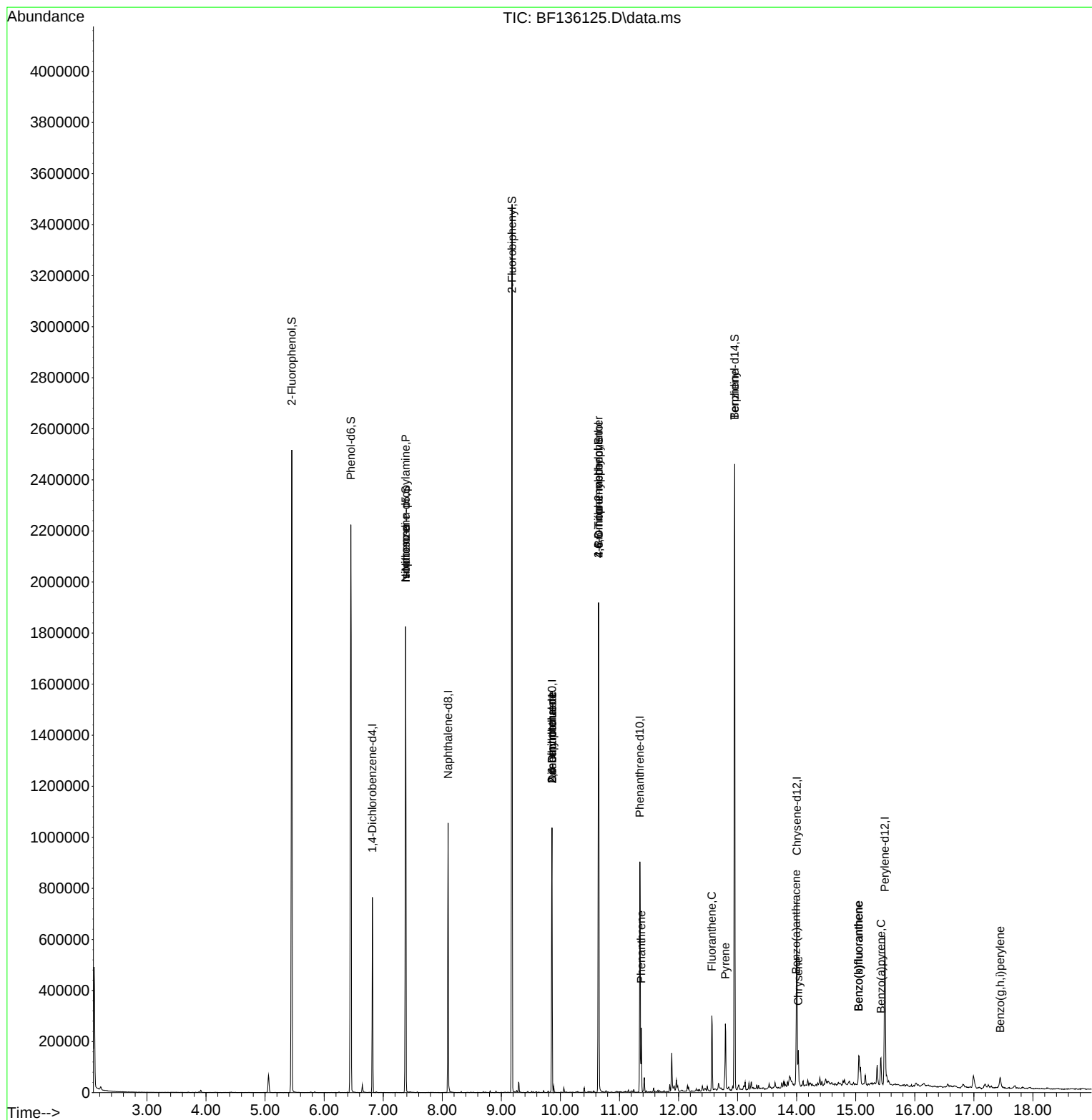
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	102579	20.000	ng	-0.01
21) Naphthalene-d8	8.098	136	404134	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	195439	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	316170	20.000	ng	-0.01
76) Chrysene-d12	14.004	240	213260	20.000	ng	-0.01
86) Perylene-d12	15.492	264	271010	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	722560	110.689	ng	0.00
7) Phenol-d6	6.451	99	879797	108.172	ng	0.00
23) Nitrobenzene-d5	7.381	82	560219	83.565	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	230032	110.270	ng	-0.01
45) 2-Fluorobiphenyl	9.181	172	966486	78.832	ng	0.00
79) Terphenyl-d14	12.951	244	867310	63.201	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	75240	16.190	ng	# 77
25) Isophorone	7.381	82	560205	44.263	ng	# 64
50) Dimethylphthalate	9.857	163	40671	3.155	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	25135	9.116	ng	# 29
57) 2,4-Dinitrotoluene	9.857	165	25135	7.205	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.645	198	441	6.014	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	14595	4.403	ng	# 1
71) Phenanthrene	11.369	178	82889	5.207	ng	97
75) Fluoranthene	12.563	202	116672	7.134	ng	98
77) Benzidine	12.951	184	11120	2.675	ng	# 92
78) Pyrene	12.792	202	107756	5.731	ng	98
81) Benzo(a)anthracene	13.992	228	54362	3.850	ng	94
83) Chrysene	14.027	228	47974	3.450	ng	97
88) Benzo(b)fluoranthene	15.051	252	89945	5.609	ng	# 97
89) Benzo(k)fluoranthene	15.051	252	89945	5.669	ng	97
90) Benzo(a)pyrene	15.427	252	52772	3.542	ng	98
92) Benzo(g,h,i)perylene	17.445	276	33887	4.823	ng	97

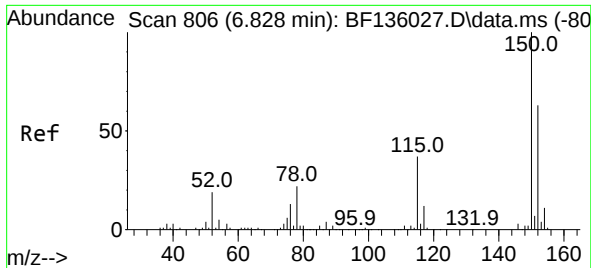
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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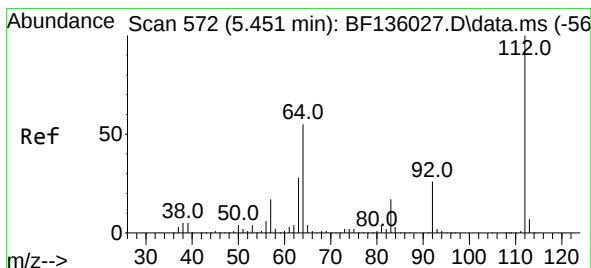
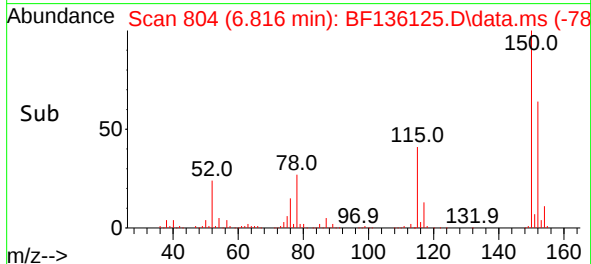
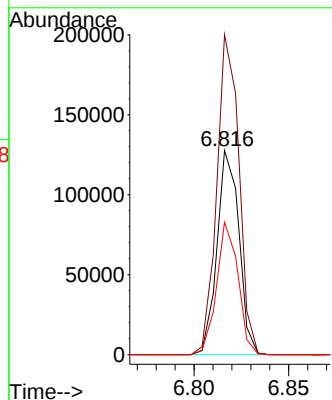
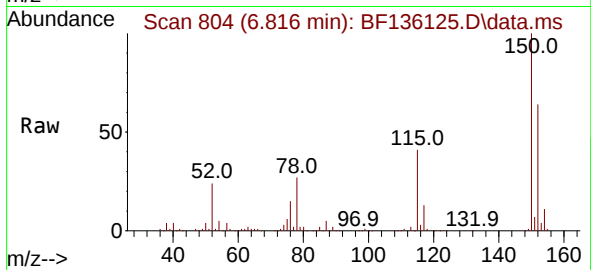




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 806
Delta R.T. -0.012 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38

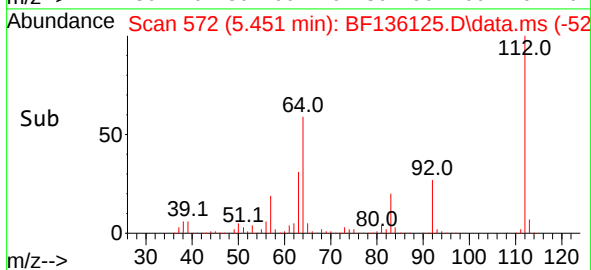
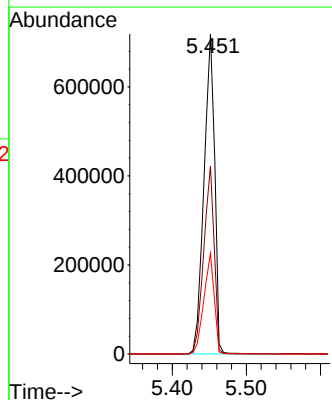
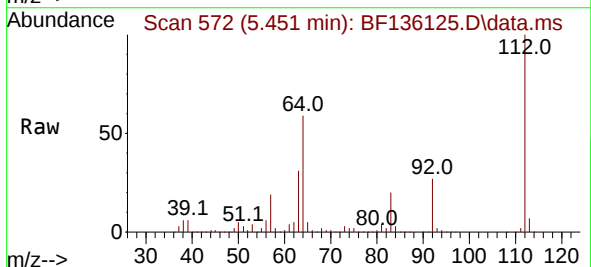
Instrument :
BNA_F
ClientSampleId :
SCF

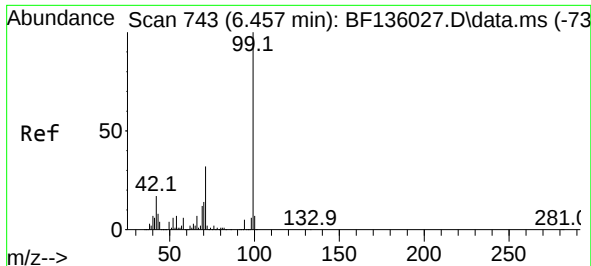
Tgt Ion:152 Resp: 102579
Ion Ratio Lower Upper
152 100
150 156.8 126.4 189.6
115 64.9 47.0 70.4



#5
2-Fluorophenol
Concen: 110.689 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.000 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38

Tgt Ion:112 Resp: 722560
Ion Ratio Lower Upper
112 100
64 58.8 43.9 65.9
63 31.4 22.4 33.6

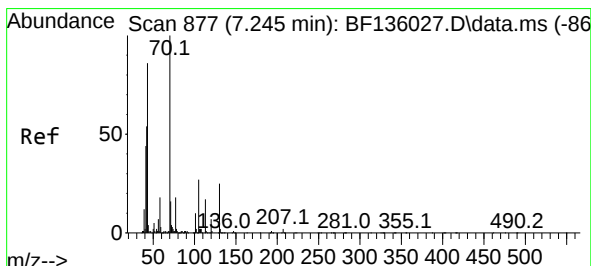
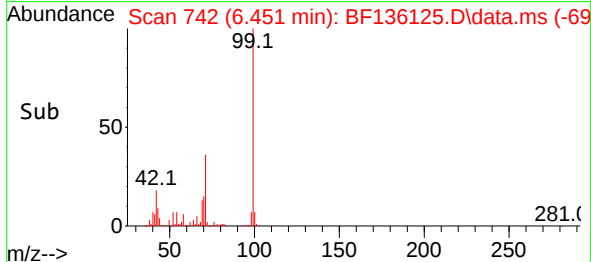
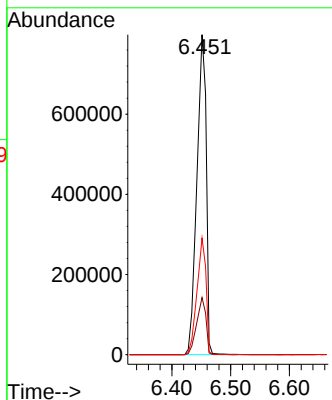
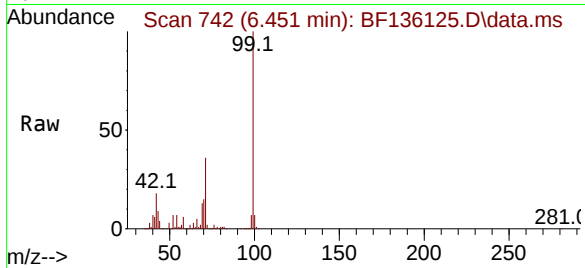




#7
Phenol-d6
Concen: 108.172 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38

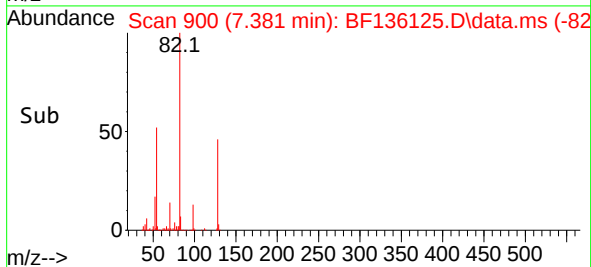
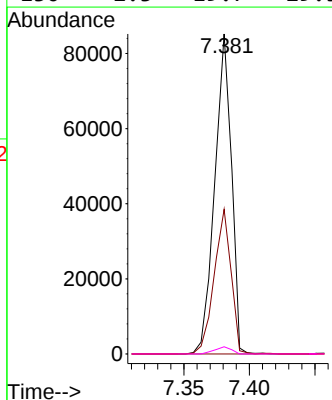
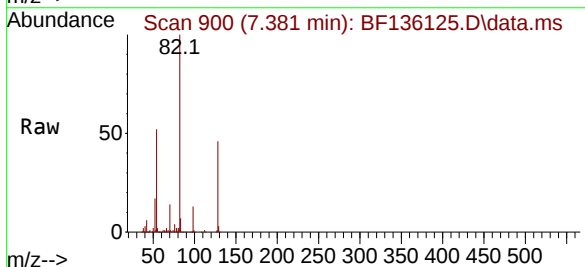
Instrument :
BNA_F
ClientSampleId :
SCF

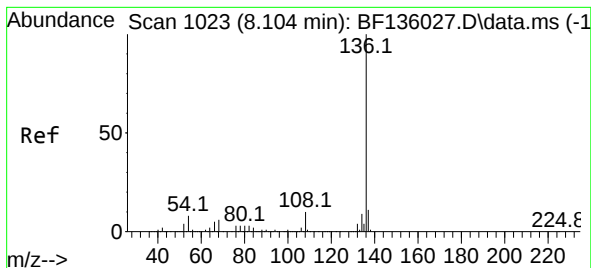
Tgt Ion: 99 Resp: 879797
Ion Ratio Lower Upper
99 100
42 17.8 13.7 20.5
71 36.4 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 16.190 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.135 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38

Tgt Ion: 70 Resp: 75240
Ion Ratio Lower Upper
70 100
42 45.2 43.0 64.4
101 0.0 8.0 12.0#
130 2.3 19.7 29.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.098 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136125.D

Acq: 03 Nov 2023 15:38

Instrument :

BNA_F

ClientSampleId :

SCF

Tgt Ion:136 Resp: 404134

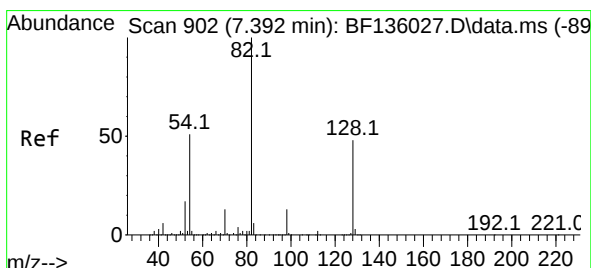
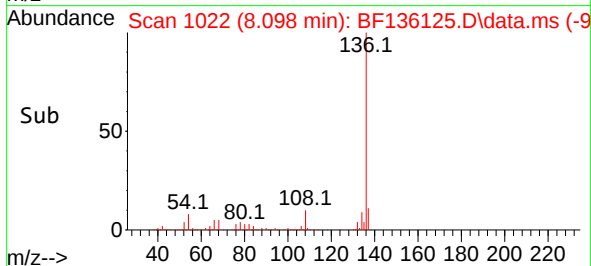
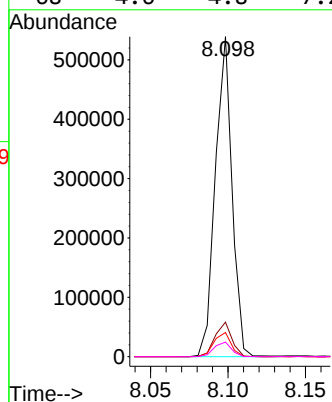
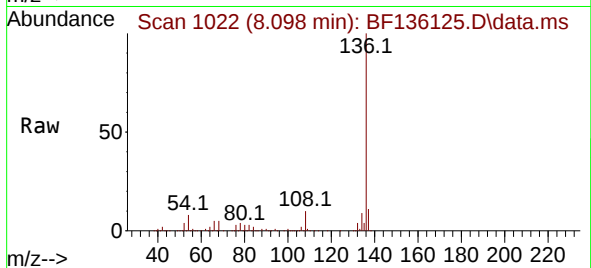
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 7.6 6.6 9.8

68 4.6 4.8 7.2#



#23

Nitrobenzene-d5

Concen: 83.565 ng

RT: 7.381 min Scan# 900

Delta R.T. -0.012 min

Lab File: BF136125.D

Acq: 03 Nov 2023 15:38

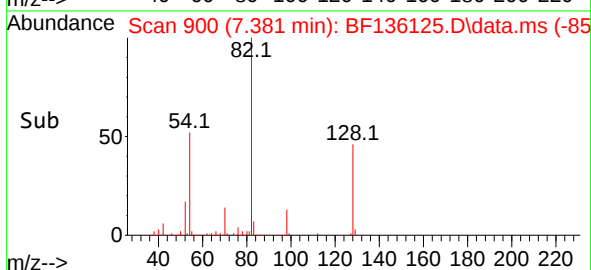
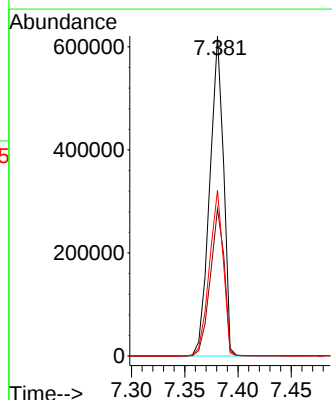
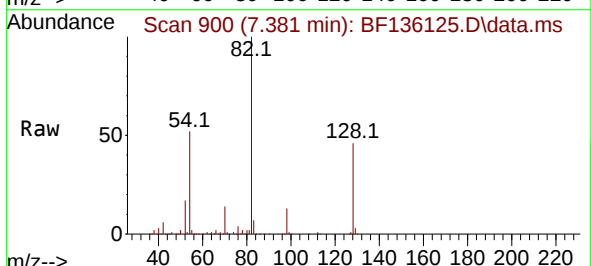
Tgt Ion: 82 Resp: 560219

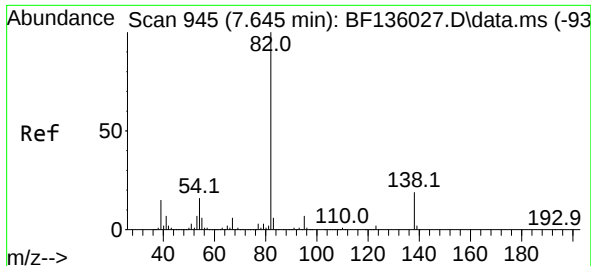
Ion Ratio Lower Upper

82 100

128 46.0 38.6 57.8

54 51.8 40.8 61.2

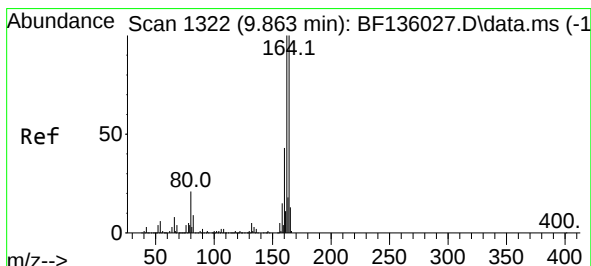
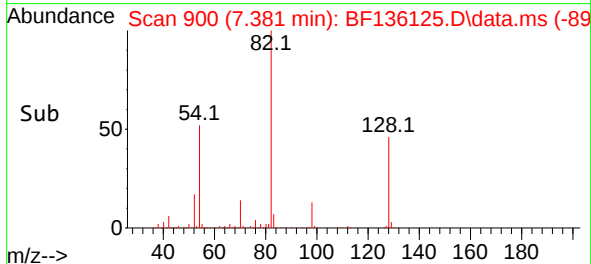
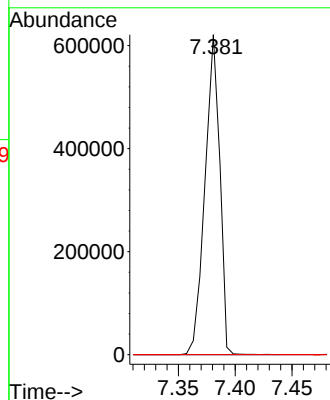
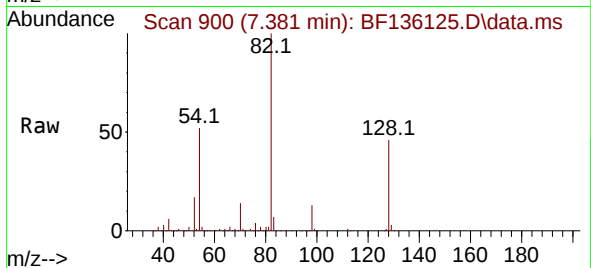




#25
Isophorone
Concen: 44.263 ng
RT: 7.381 min Scan# 90
Delta R.T. -0.264 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38

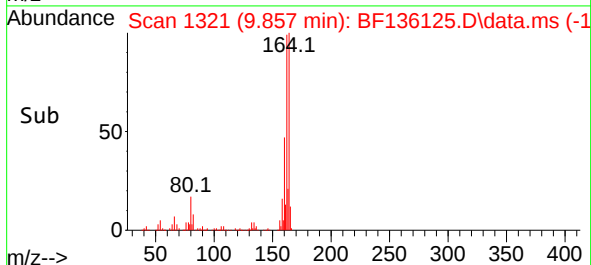
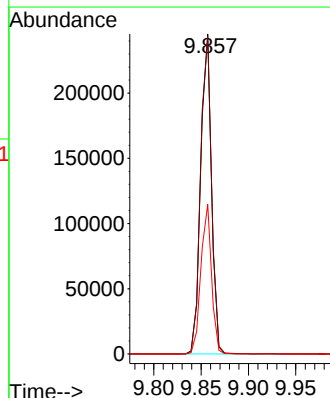
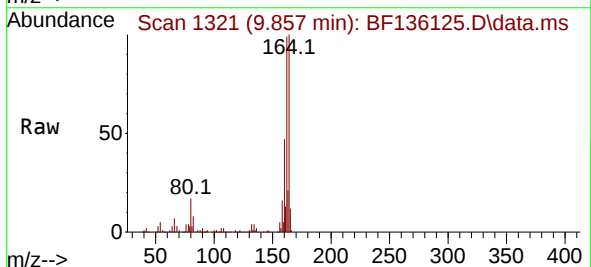
Instrument :
BNA_F
ClientSampleId :
SCF

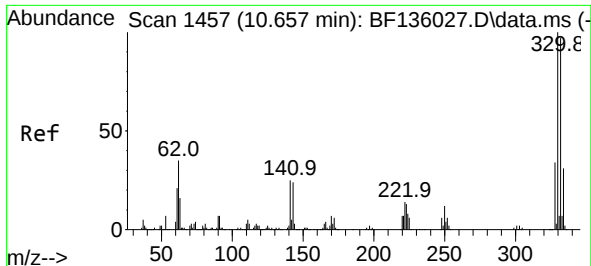
Tgt Ion: 82 Resp: 560205
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38

Tgt Ion: 164 Resp: 195439
Ion Ratio Lower Upper
164 100
162 99.3 80.1 120.1
160 46.7 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 110.270 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.012 min

Lab File: BF136125.D

Acq: 03 Nov 2023 15:38

Instrument :

BNA_F

ClientSampleId :

SCF

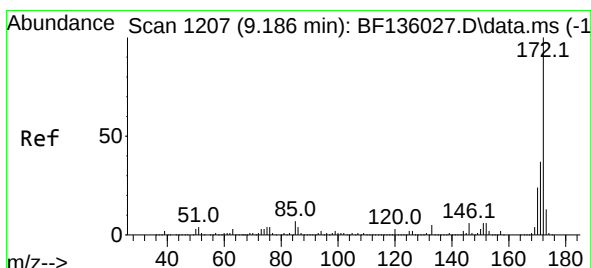
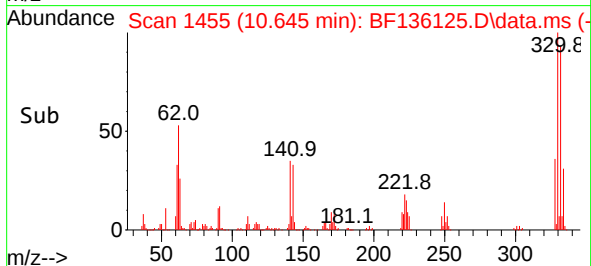
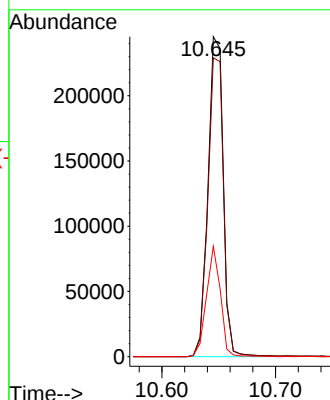
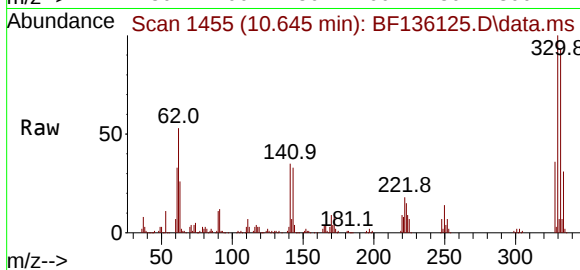
Tgt Ion:330 Resp: 230032

Ion Ratio Lower Upper

330 100

332 95.2 76.9 115.3

141 31.5 23.2 34.8



#45

2-Fluorobiphenyl

Concen: 78.832 ng

RT: 9.181 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF136125.D

Acq: 03 Nov 2023 15:38

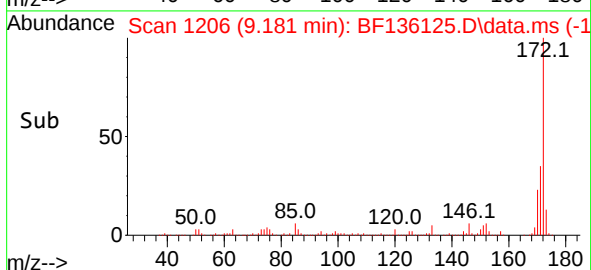
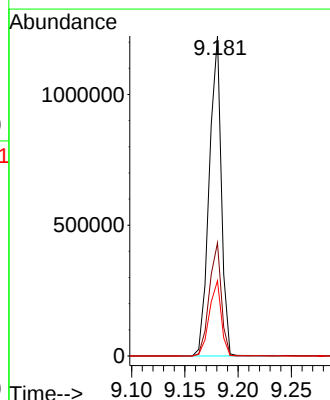
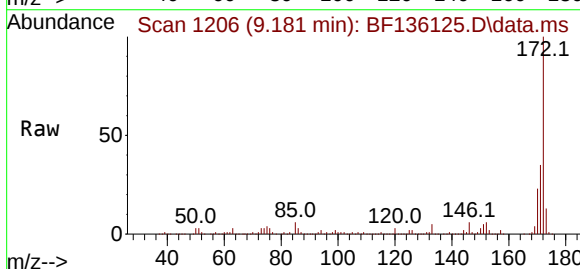
Tgt Ion:172 Resp: 966486

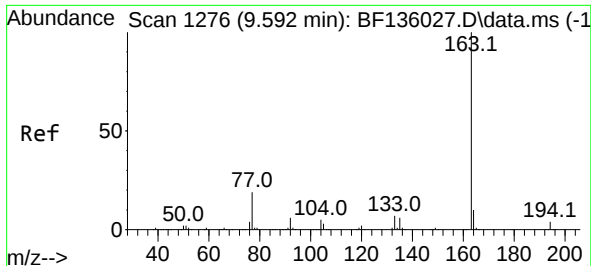
Ion Ratio Lower Upper

172 100

171 35.3 29.4 44.0

170 23.5 19.3 28.9

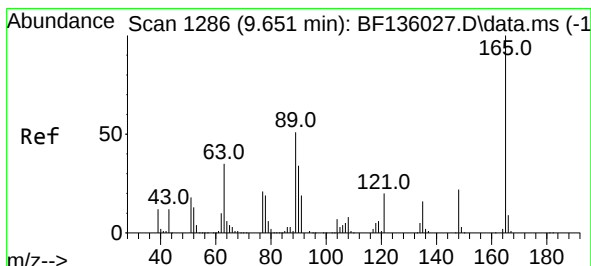
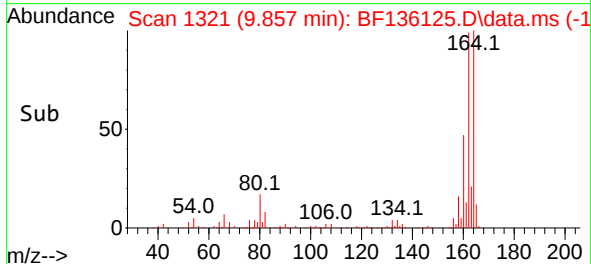
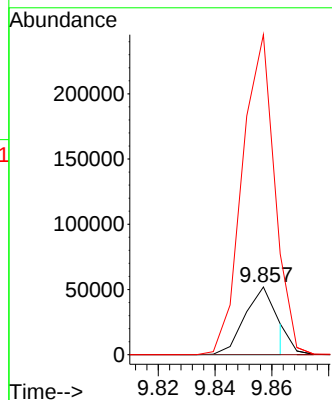
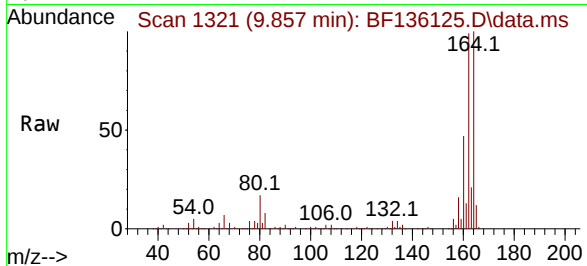




#50
Dimethylphthalate
Concen: 3.155 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.265 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38

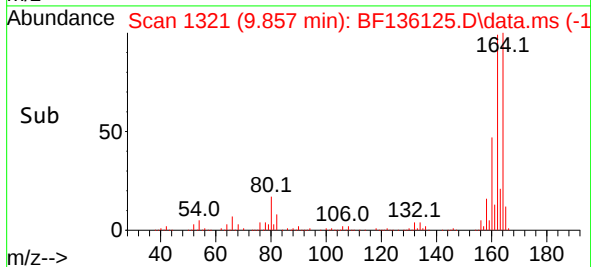
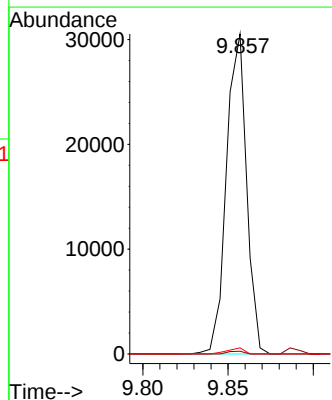
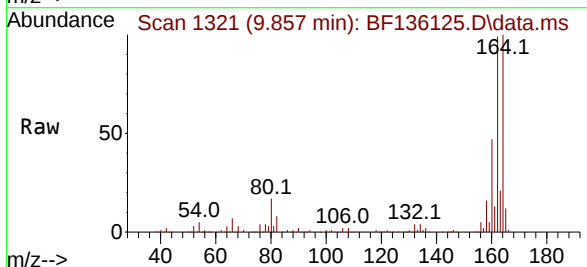
Instrument :
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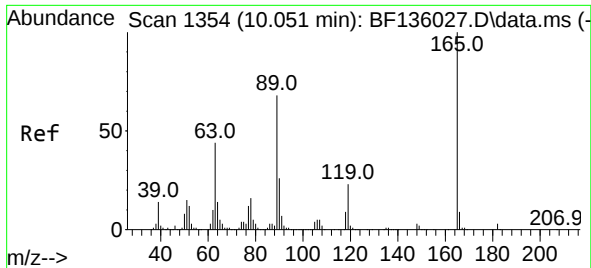
Tgt Ion:163 Resp: 40671
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 472.9 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 9.116 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.206 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38

Tgt Ion:165 Resp: 25135
Ion Ratio Lower Upper
165 100
63 0.9 40.8 61.2#
89 1.9 41.1 61.7#

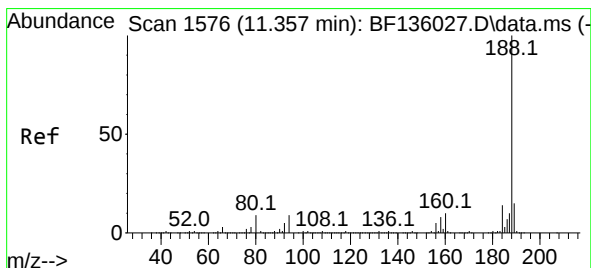
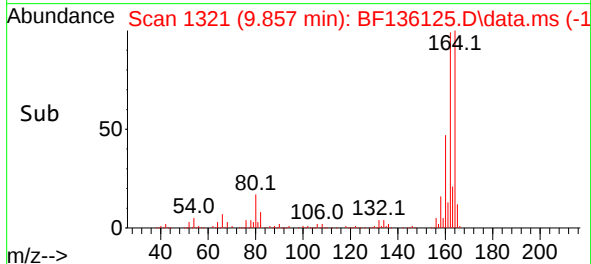
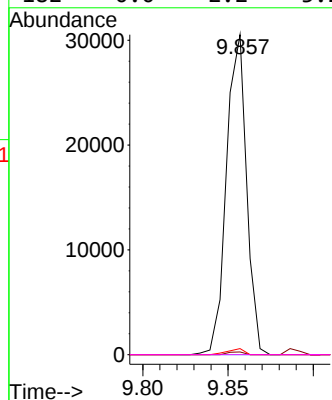
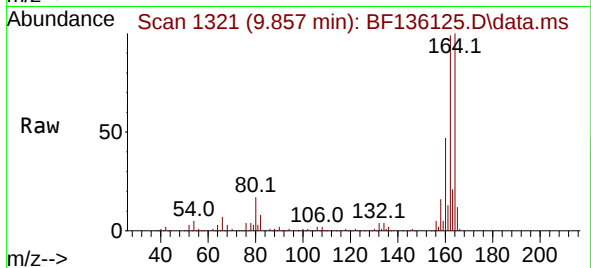




#57
2,4-Dinitrotoluene
Concen: 7.205 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38

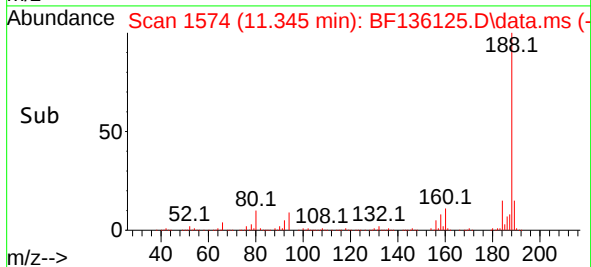
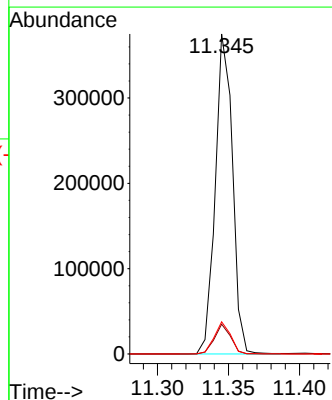
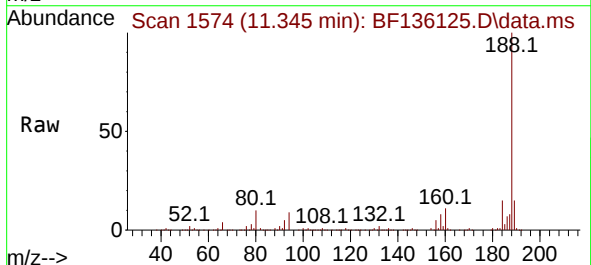
Instrument :
BNA_F
ClientSampleId :
SCF

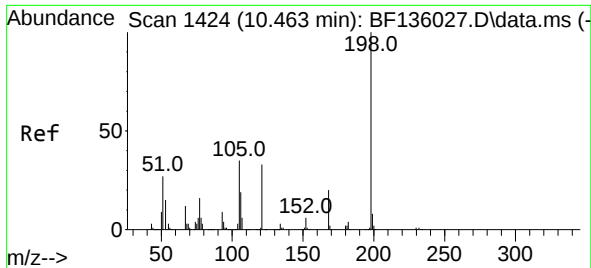
Tgt Ion:165 Resp: 25135
Ion Ratio Lower Upper
165 100
63 0.9 35.2 52.8#
89 1.9 54.8 82.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.012 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38

Tgt Ion:188 Resp: 316170
Ion Ratio Lower Upper
188 100
94 9.3 7.2 10.8
80 10.0 7.4 11.0

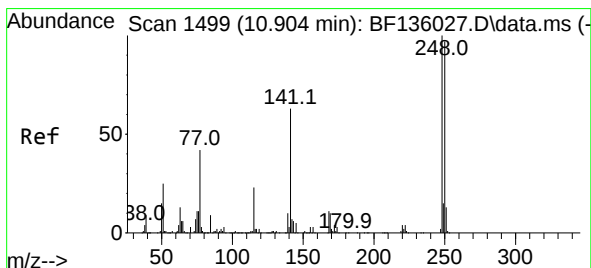
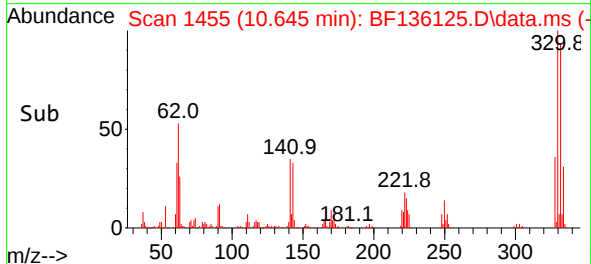
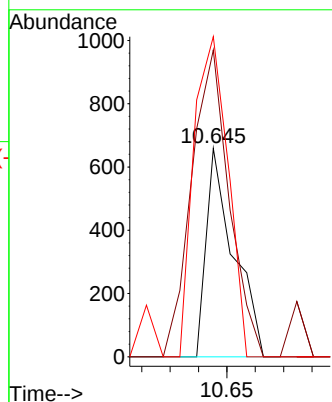
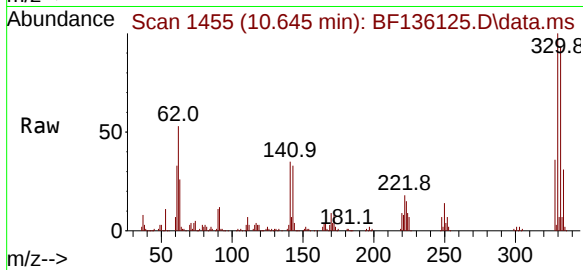




#65
4,6-Dinitro-2-methylphenol
Concen: 6.014 ng
RT: 10.645 min Scan# 1424
Delta R.T. 0.182 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38

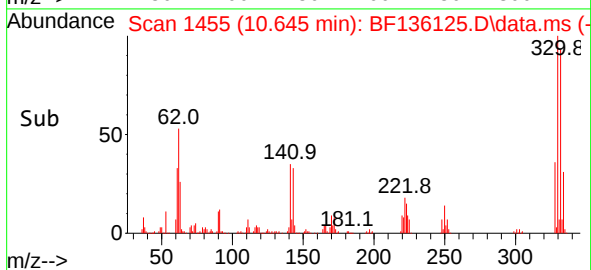
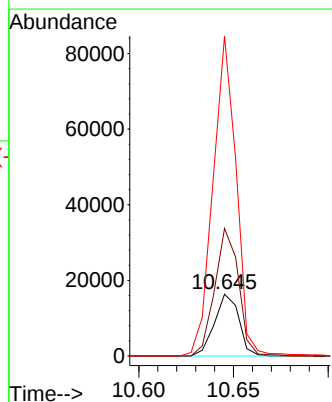
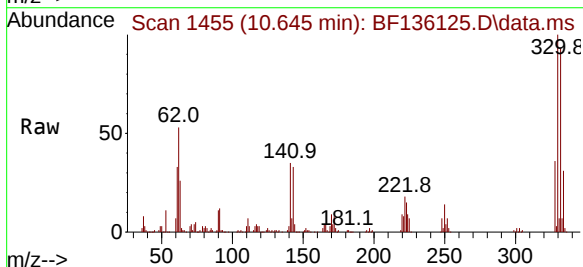
Instrument :
BNA_F
ClientSampleId :
SCF

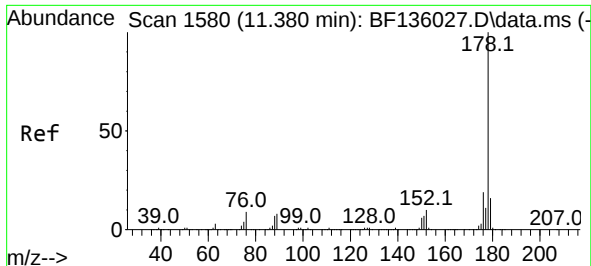
Tgt Ion:198 Resp: 441
Ion Ratio Lower Upper
198 100
51 147.2 12.9 52.9#
105 153.6 16.0 56.0#



#67
4-Bromophenyl-phenylether
Concen: 4.403 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.259 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38

Tgt Ion:248 Resp: 14595
Ion Ratio Lower Upper
248 100
250 206.4 77.6 116.4#
141 517.9 50.4 75.6#

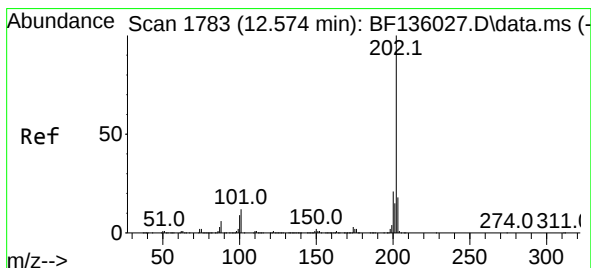
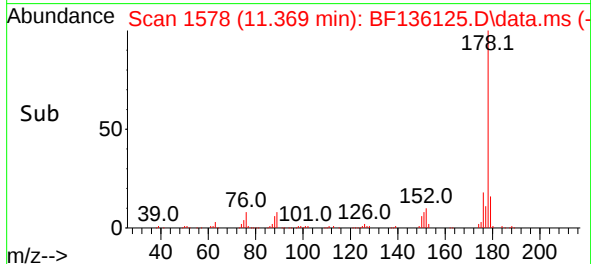
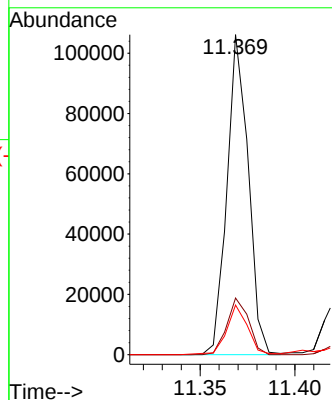
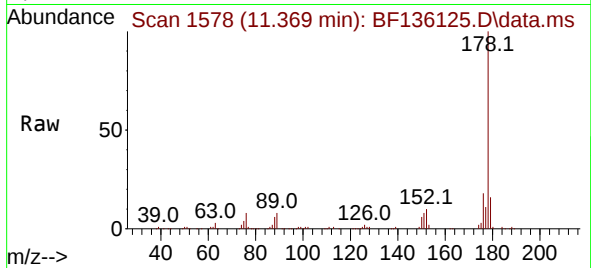




#71
Phenanthrene
Concen: 5.207 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38

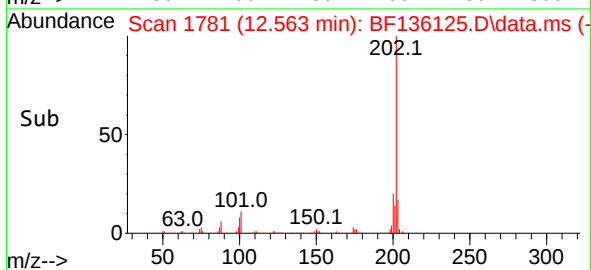
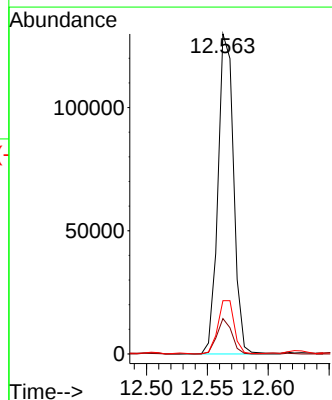
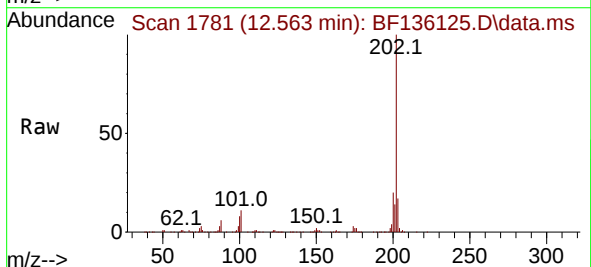
Instrument :
BNA_F
ClientSampleId :
SCF

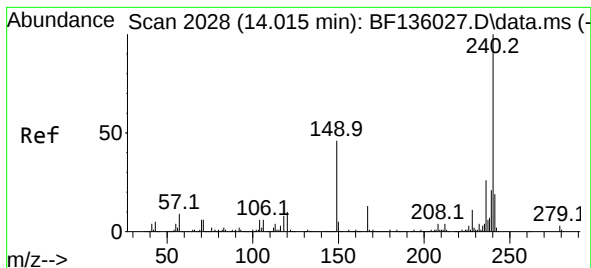
Tgt Ion:178 Resp: 82889
Ion Ratio Lower Upper
178 100
176 17.7 15.5 23.3
179 15.5 12.9 19.3



#75
Fluoranthene
Concen: 7.134 ng
RT: 12.563 min Scan# 1781
Delta R.T. -0.012 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38

Tgt Ion:202 Resp: 116672
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.8
203 16.6 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2028

Delta R.T. -0.012 min

Lab File: BF136125.D

Acq: 03 Nov 2023 15:38

Instrument :

BNA_F

ClientSampleId :

SCF

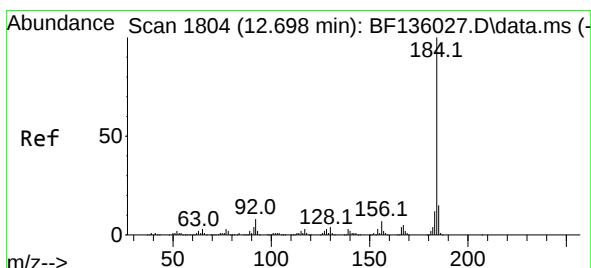
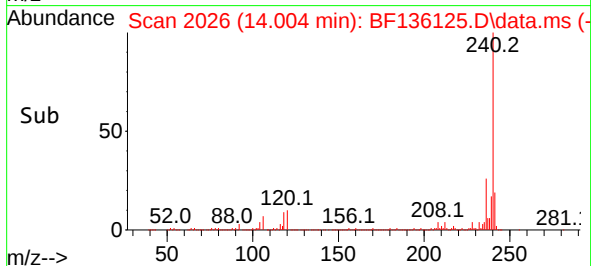
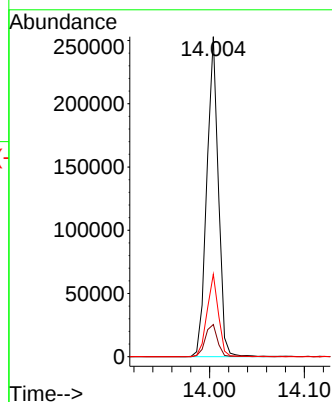
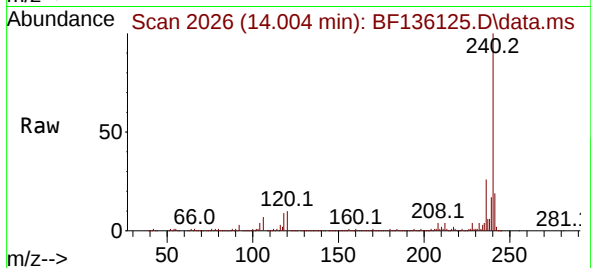
Tgt Ion:240 Resp: 213260

Ion Ratio Lower Upper

240 100

120 10.0 7.6 11.4

236 25.8 20.6 31.0



#77

Benzidine

Concen: 2.675 ng

RT: 12.951 min Scan# 1847

Delta R.T. 0.253 min

Lab File: BF136125.D

Acq: 03 Nov 2023 15:38

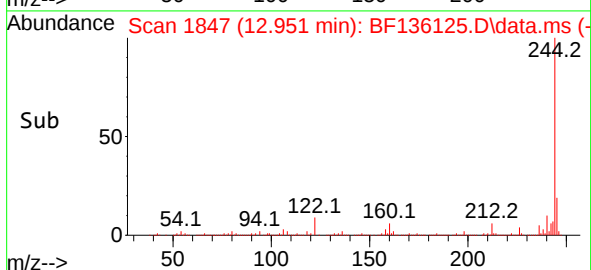
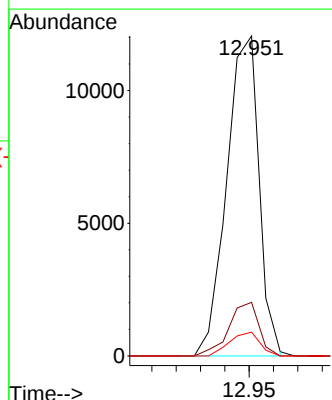
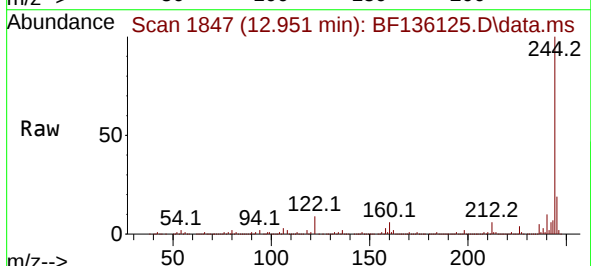
Tgt Ion:184 Resp: 11120

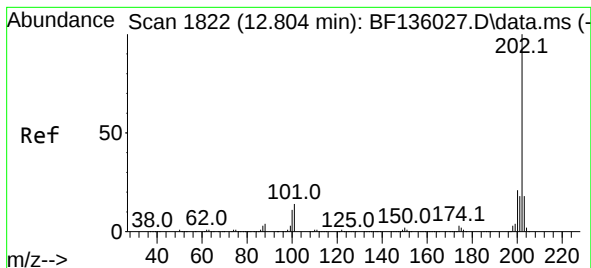
Ion Ratio Lower Upper

184 100

185 16.8 11.8 17.8

183 7.5 9.5 14.3#





#78

Pyrene

Concen: 5.731 ng

RT: 12.792 min Scan# 1820

Delta R.T. -0.012 min

Lab File: BF136125.D

Acq: 03 Nov 2023 15:38

Instrument :

BNA_F

ClientSampleId :

SCF

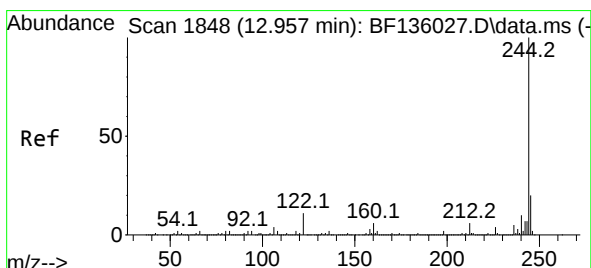
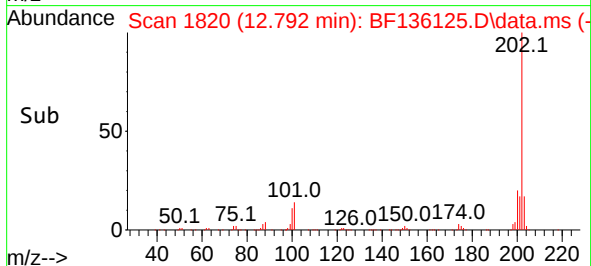
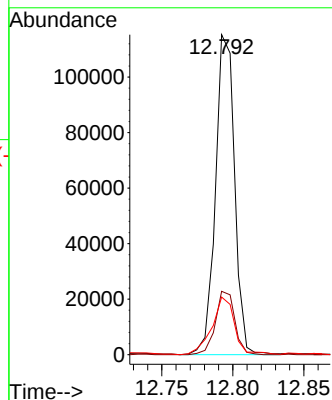
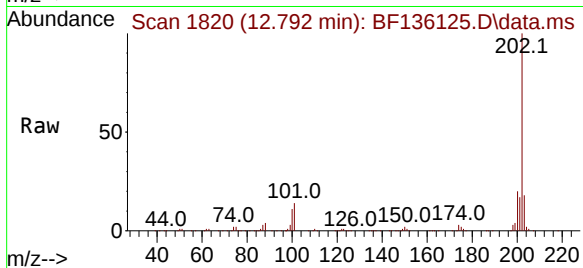
Tgt Ion:202 Resp: 107756

Ion Ratio Lower Upper

202 100

200 19.8 17.0 25.4

203 18.0 14.4 21.6



#79

Terphenyl-d14

Concen: 63.201 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF136125.D

Acq: 03 Nov 2023 15:38

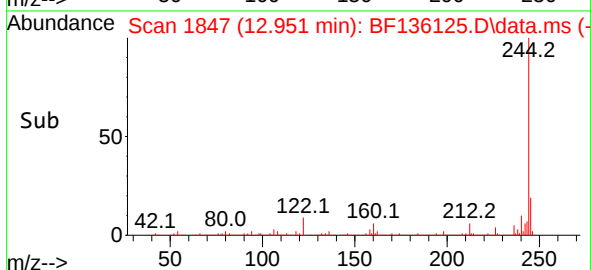
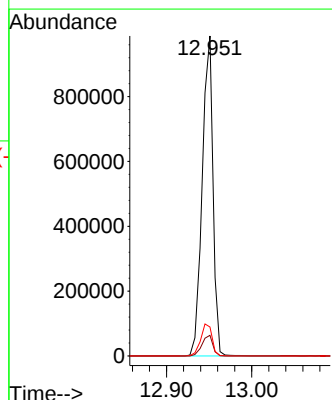
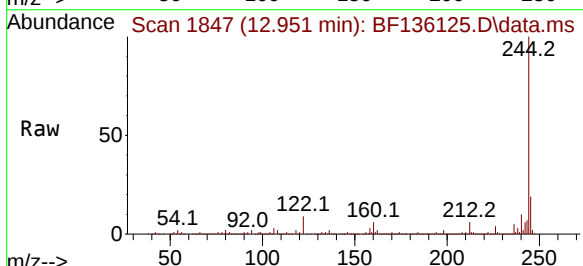
Tgt Ion:244 Resp: 867310

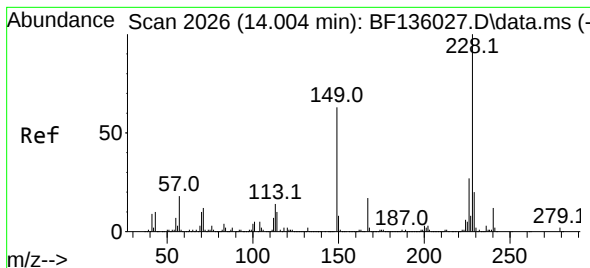
Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

122 9.0 8.6 12.8





#81

Benzo(a)anthracene

Concen: 3.850 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136125.D

Acq: 03 Nov 2023 15:38

Instrument :

BNA_F

ClientSampleId :

SCF

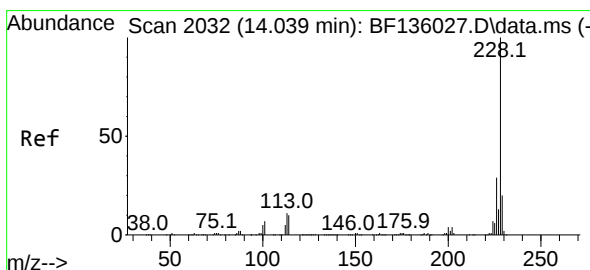
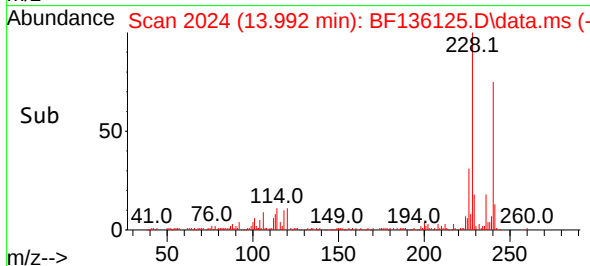
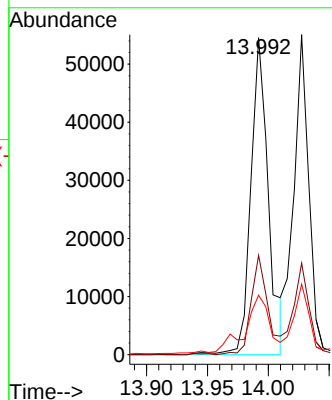
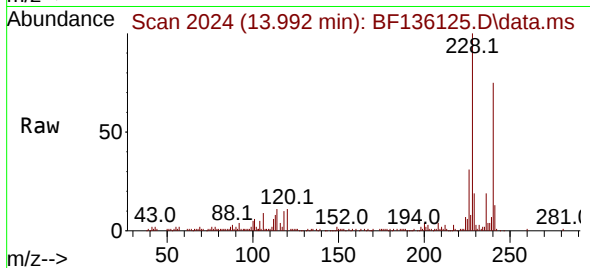
Tgt Ion:228 Resp: 54362

Ion Ratio Lower Upper

228 100

226 31.3 21.5 32.3

229 18.8 15.8 23.6



#83

Chrysene

Concen: 3.450 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF136125.D

Acq: 03 Nov 2023 15:38

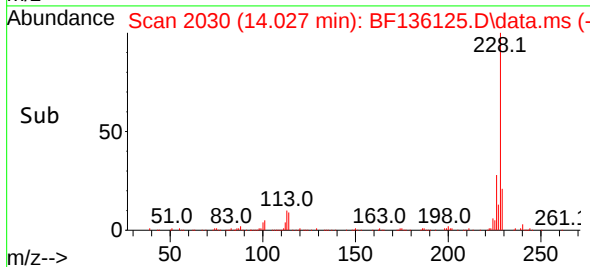
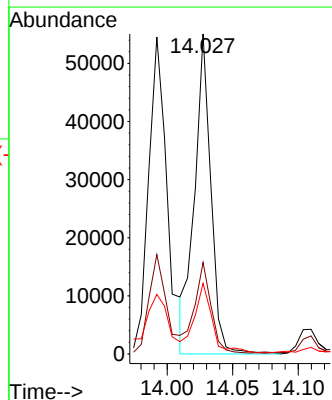
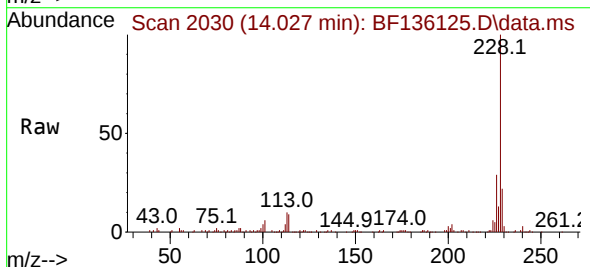
Tgt Ion:228 Resp: 47974

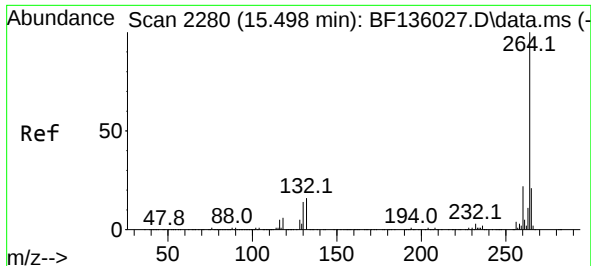
Ion Ratio Lower Upper

228 100

226 28.6 23.5 35.3

229 22.1 16.0 24.0

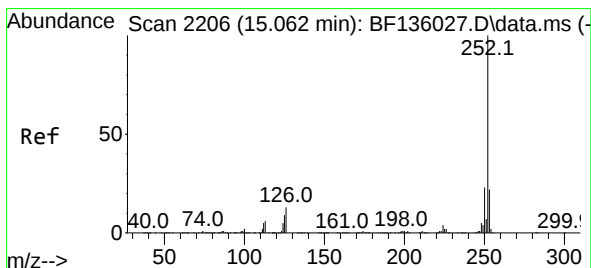
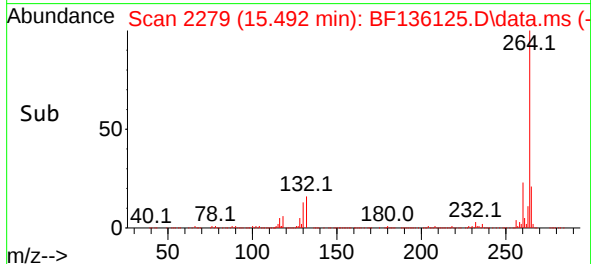
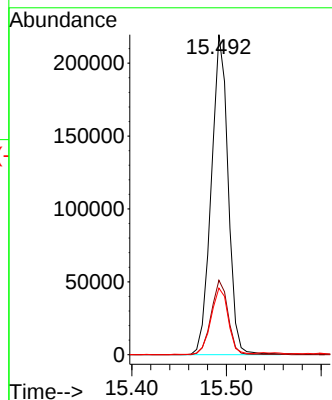
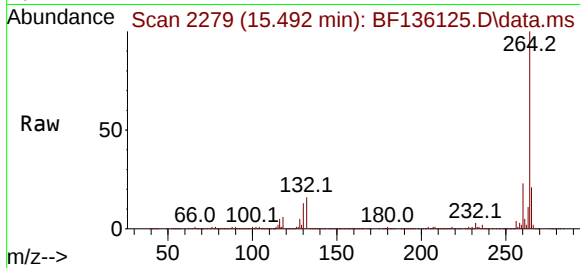




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38

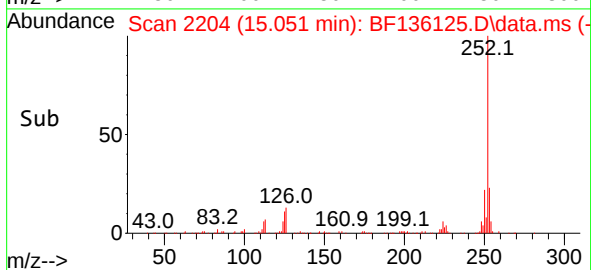
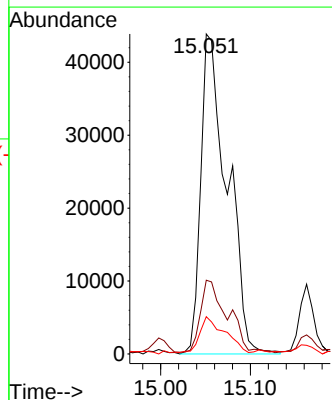
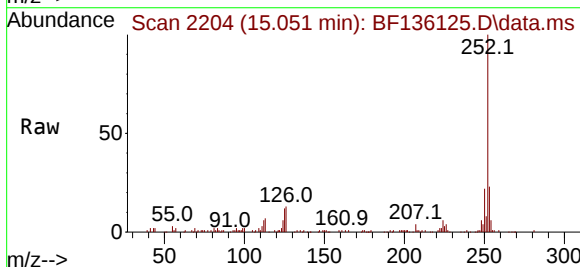
Instrument :
BNA_F
ClientSampleId :
SCF

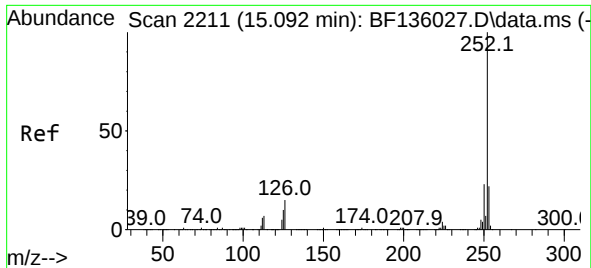
Tgt Ion:264 Resp: 271010
Ion Ratio Lower Upper
264 100
260 23.3 17.9 26.9
265 20.8 16.8 25.2



#88
Benzo(b)fluoranthene
Concen: 5.609 ng
RT: 15.051 min Scan# 2204
Delta R.T. -0.012 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38

Tgt Ion:252 Resp: 89945
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 11.6 7.5 11.3#

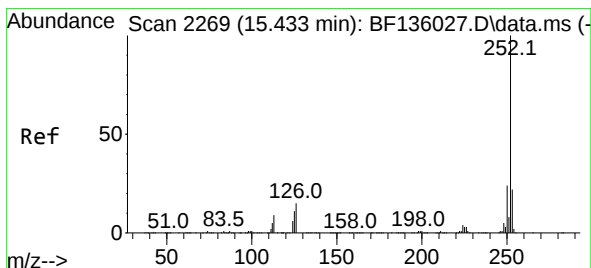
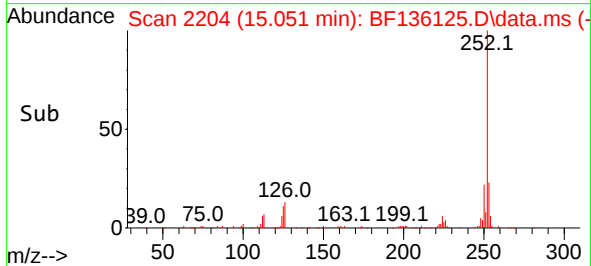
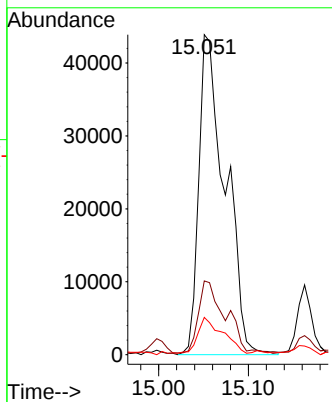
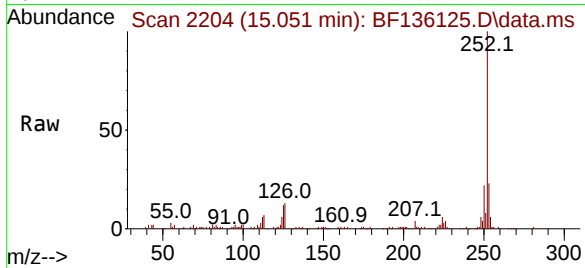




#89
Benzo(k)fluoranthene
Concen: 5.669 ng
RT: 15.051 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38

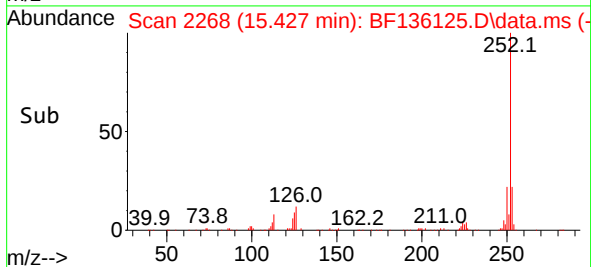
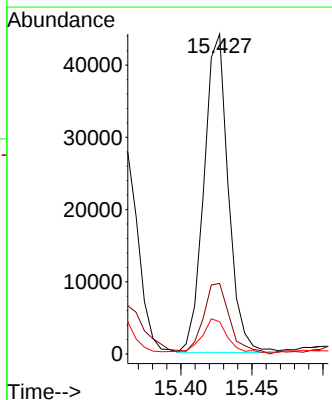
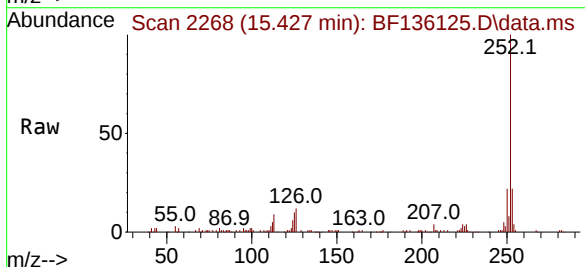
Instrument :
BNA_F
ClientSampleId :
SCF

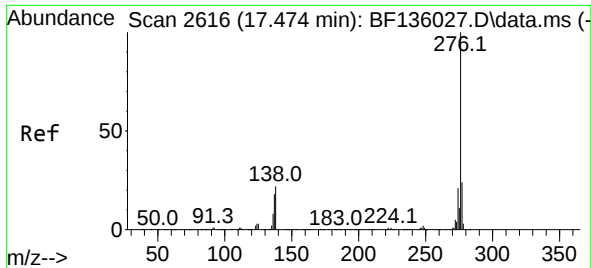
Tgt Ion:252 Resp: 89945
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 11.6 8.0 12.0



#90
Benzo(a)pyrene
Concen: 3.542 ng
RT: 15.427 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF136125.D
Acq: 03 Nov 2023 15:38

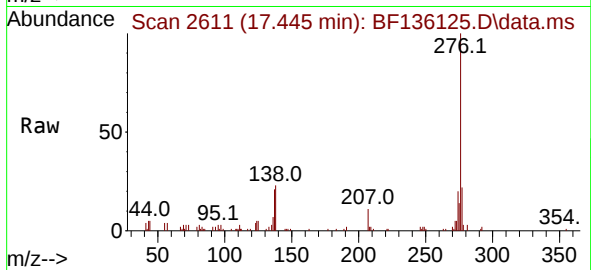
Tgt Ion:252 Resp: 52772
Ion Ratio Lower Upper
252 100
253 22.1 17.3 25.9
125 10.1 9.0 13.6





#92
 Benzo(g,h,i)perylene
 Concen: 4.823 ng
 RT: 17.445 min Scan# 20
 Delta R.T. -0.029 min
 Lab File: BF136125.D
 Acq: 03 Nov 2023 15:38

Instrument :
 BNA_F
 ClientSampleId :
 SCF



Tgt Ion:276 Resp: 33887
 Ion Ratio Lower Upper
 276 100
 277 22.1 19.0 28.4
 138 23.2 17.4 26.2

