

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
 Data File : BF136359.D
 Acq On : 02 Dec 2023 04:01
 Operator : CG\JU
 Sample : 05434-07
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-4

Quant Time: Dec 02 05:54:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 03:04:20 2023
 Response via : Initial Calibration

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

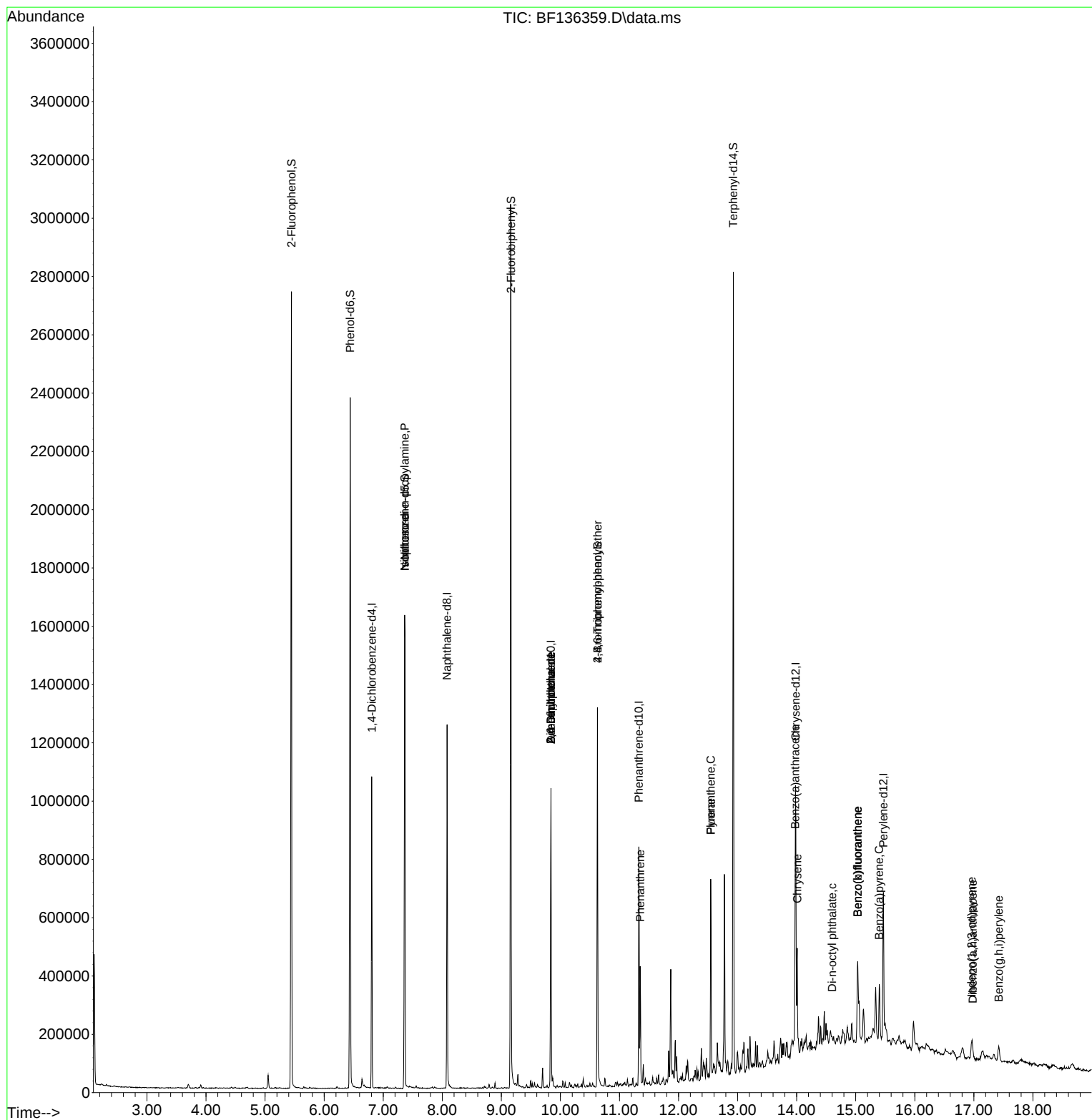
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	137209	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	508106	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	200934	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	284081	20.000	ng	0.00
76) Chrysene-d12	13.980	240	259150	20.000	ng	#-0.01
86) Perylene-d12	15.468	264	242388	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	776778	78.796	ng	0.00
7) Phenol-d6	6.440	99	930614	75.499	ng	0.00
23) Nitrobenzene-d5	7.363	82	569799	59.259	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	153969	62.676	ng	-0.01
45) 2-Fluorobiphenyl	9.163	172	1030368	65.499	ng	0.00
79) Terphenyl-d14	12.927	244	882023	39.259	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.363	70	73563	9.979	ng	# 76
25) Isophorone	7.363	82	569893	32.870	ng	# 68
50) Dimethylphthalate	9.839	163	40386	2.659	ng	# 1
51) 2,6-Dinitrotoluene	9.839	165	25969	8.370	ng	# 24
57) 2,4-Dinitrotoluene	9.839	165	25969	6.266	ng	# 28
67) 4-Bromophenyl-phenylether	10.628	248	9569	2.887	ng	# 1
71) Phenanthrene	11.351	178	140302	8.787	ng	96
75) Fluoranthene	12.545	202	259258	15.995	ng	92
78) Pyrene	12.545	202	259258	9.135	ng	94
81) Benzo(a)anthracene	13.974	228	130958	6.803	ng	94
83) Chrysene	14.010	228	149486	8.043	ng	94
85) Di-n-octyl phthalate	14.598	149	281	5.177	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.962	276	51102	5.342	ng	98
88) Benzo(b)fluoranthene	15.033	252	213282	12.542	ng	# 92
89) Benzo(k)fluoranthene	15.033	252	213282	13.205	ng	# 91
90) Benzo(a)pyrene	15.398	252	98215	7.065	ng	# 93
91) Dibenzo(a,h)anthracene	16.980	278	12298	3.511	ng	# 77
92) Benzo(g,h,i)perylene	17.421	276	46152	4.938	ng	95

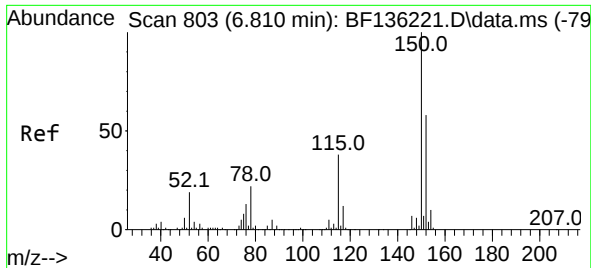
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
Data File : BF136359.D
Acq On : 02 Dec 2023 04:01
Operator : CG\JU
Sample : 05434-07
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-4

Quant Time: Dec 02 05:54:55 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 28 03:04:20 2023
Response via : Initial Calibration

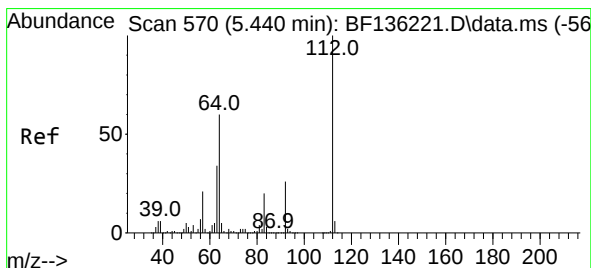
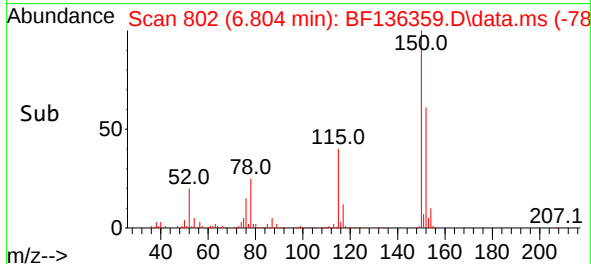
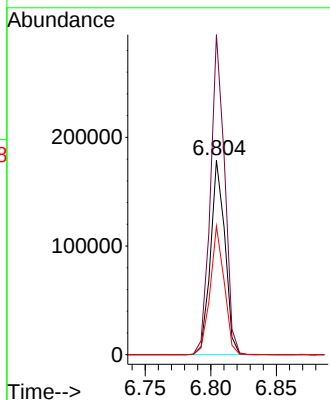
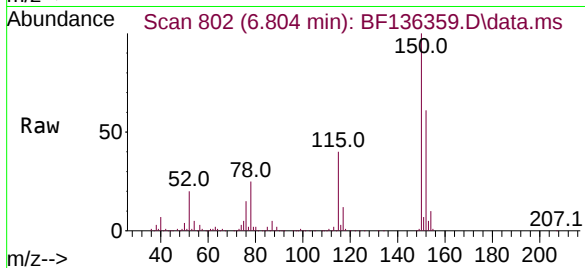




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01

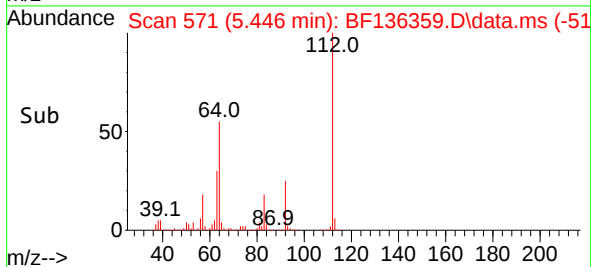
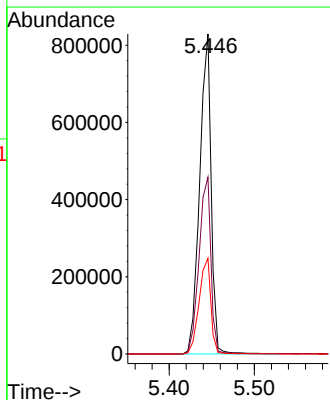
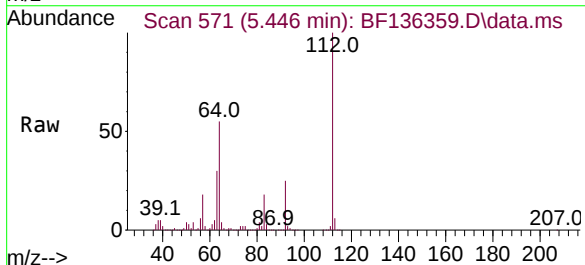
Instrument :
BNA_F
ClientSampleId :
COMP-4

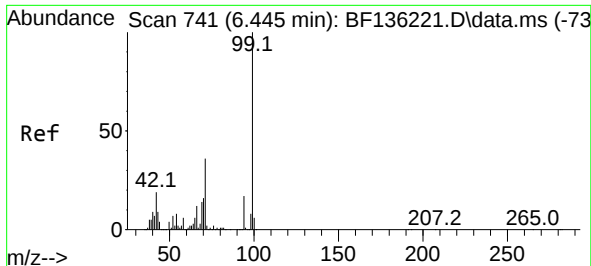
Tgt Ion:152 Resp: 137209
Ion Ratio Lower Upper
152 100
150 164.5 137.8 206.8
115 66.2 52.7 79.1



#5
2-Fluorophenol
Concen: 78.796 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.006 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01

Tgt Ion:112 Resp: 776778
Ion Ratio Lower Upper
112 100
64 55.3 48.2 72.4
63 29.9 27.0 40.6

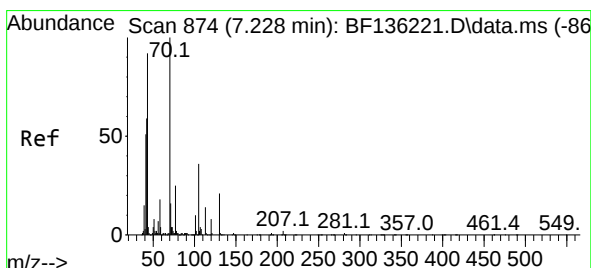
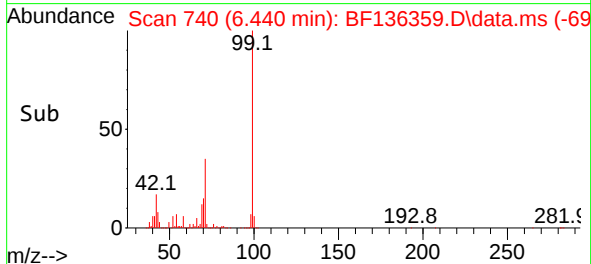
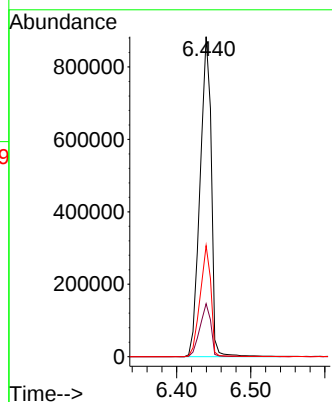
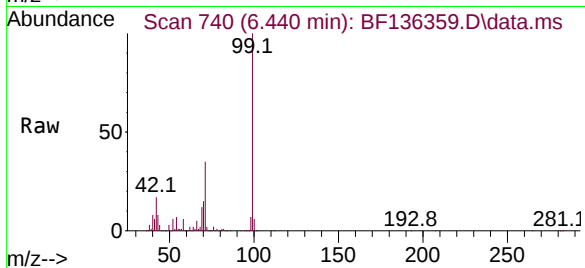




#7
Phenol-d6
Concen: 75.499 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01

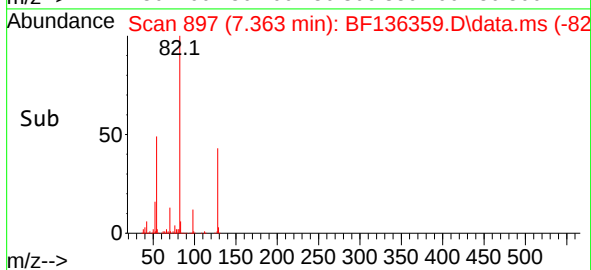
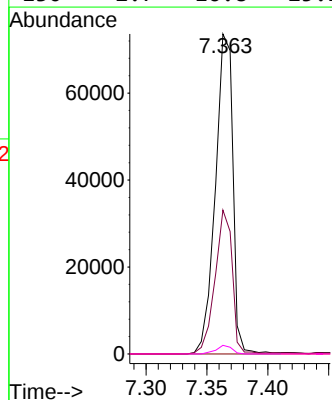
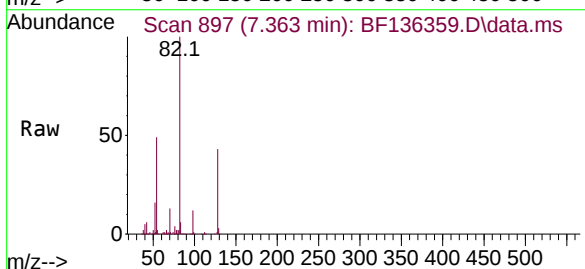
Instrument :
BNA_F
ClientSampleId :
COMP-4

Tgt Ion: 99 Resp: 930614
Ion Ratio Lower Upper
99 100
42 16.5 15.0 22.6
71 34.7 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 9.979 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.135 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01

Tgt Ion: 70 Resp: 73563
Ion Ratio Lower Upper
70 100
42 45.0 47.0 70.4#
101 0.0 7.8 11.8#
130 2.7 16.8 25.2#

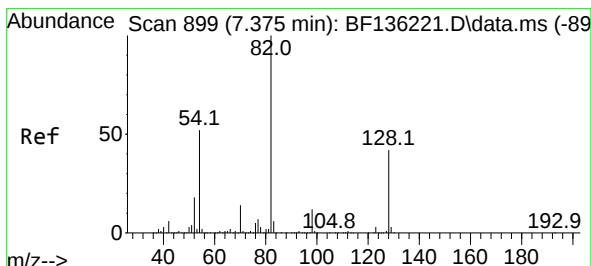
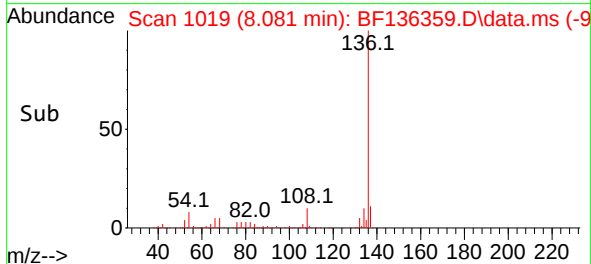
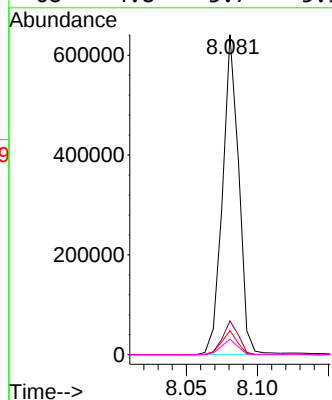
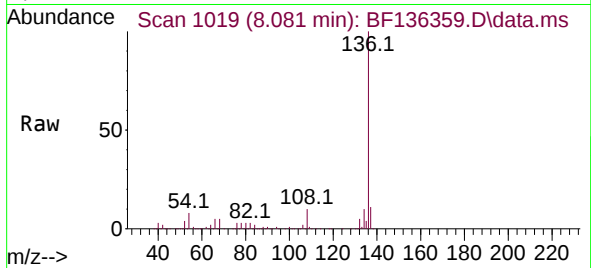




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01

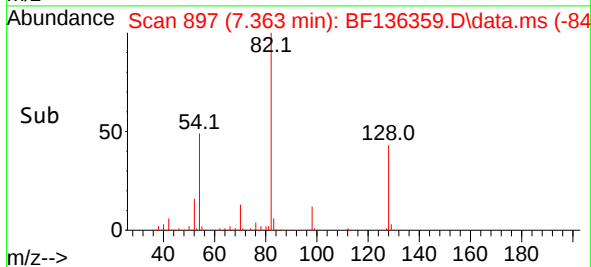
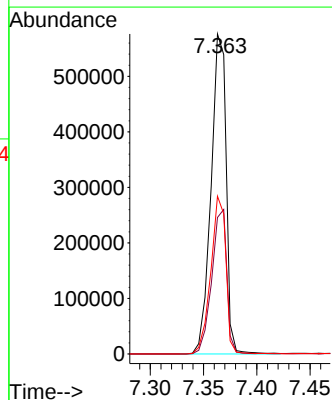
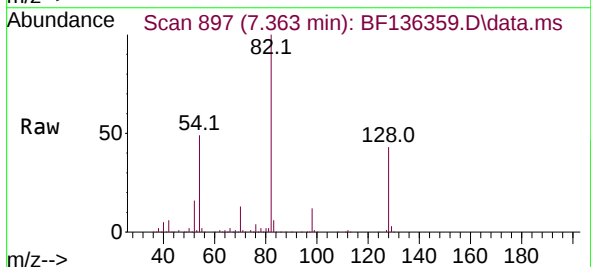
Instrument :
BNA_F
ClientSampleId :
COMP-4

Tgt Ion:136 Resp: 508106
Ion Ratio Lower Upper
136 100
137 10.5 7.4 11.2
54 7.6 5.5 8.3
68 4.8 3.7 5.5



#23
Nitrobenzene-d5
Concen: 59.259 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.012 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01

Tgt Ion: 82 Resp: 569799
Ion Ratio Lower Upper
82 100
128 42.7 33.4 50.2
54 49.3 41.7 62.5

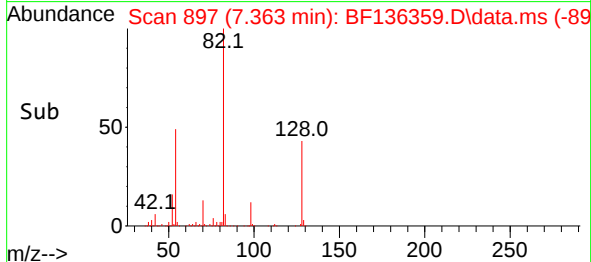
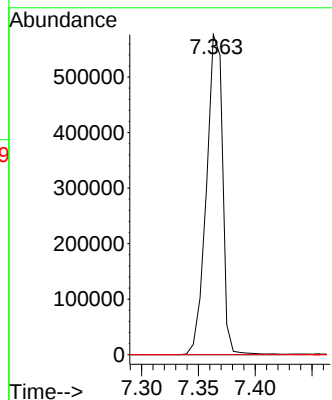
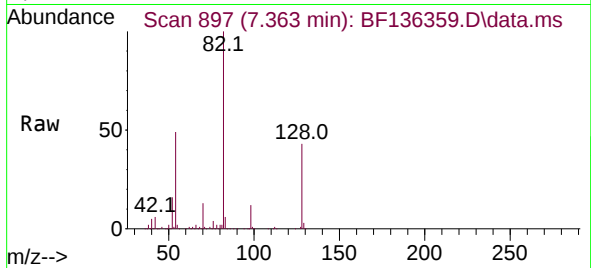




#25
Isophorone
Concen: 32.870 ng
RT: 7.363 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01

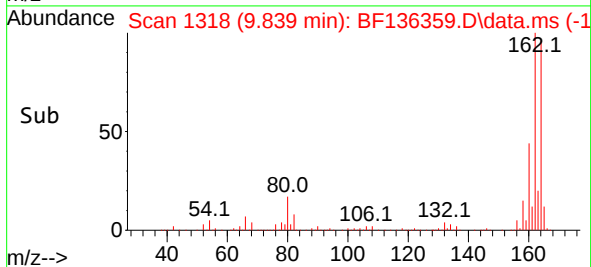
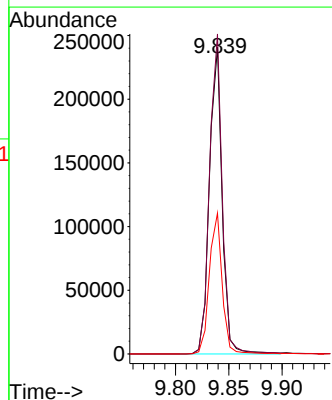
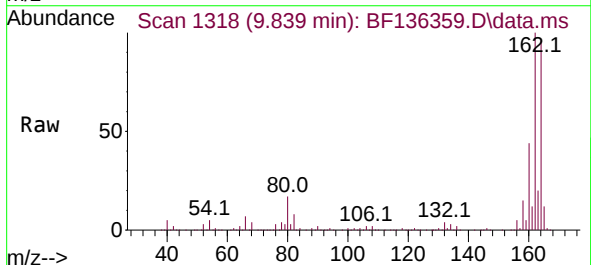
Instrument :
BNA_F
ClientSampleId :
COMP-4

Tgt Ion: 82 Resp: 569893
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01

Tgt Ion:164 Resp: 200934
Ion Ratio Lower Upper
164 100
162 104.3 89.5 134.3
160 45.9 39.6 59.4





#42

2,4,6-Tribromophenol

Concen: 62.676 ng

RT: 10.628 min Scan# 1454

Delta R.T. -0.012 min

Lab File: BF136359.D

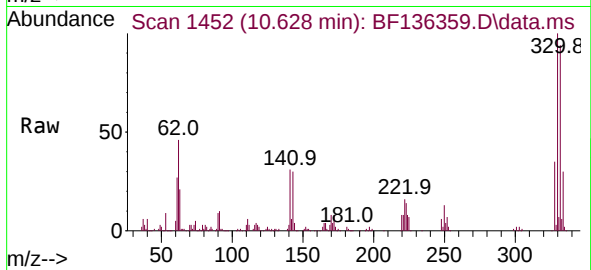
Acq: 02 Dec 2023 04:01

Instrument :

BNA_F

ClientSampleId :

COMP-4



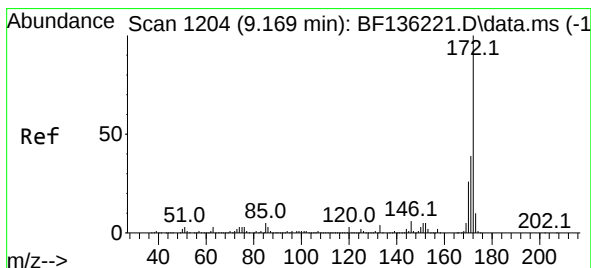
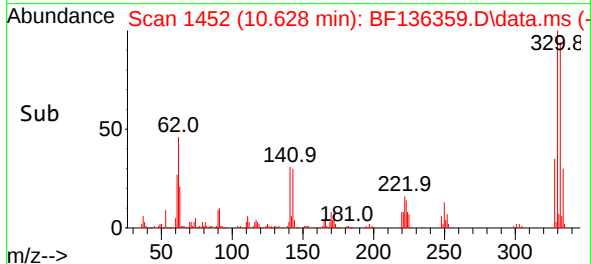
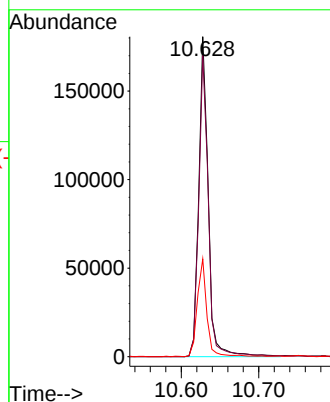
Tgt Ion:330 Resp: 153969

Ion Ratio Lower Upper

330 100

332 95.1 73.0 109.6

141 31.1 24.2 36.2



#45

2-Fluorobiphenyl

Concen: 65.499 ng

RT: 9.163 min Scan# 1203

Delta R.T. -0.006 min

Lab File: BF136359.D

Acq: 02 Dec 2023 04:01

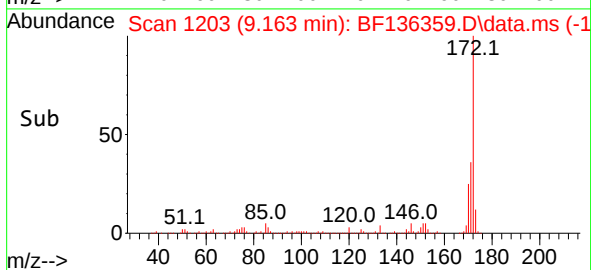
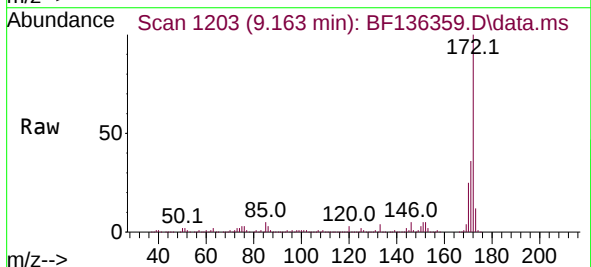
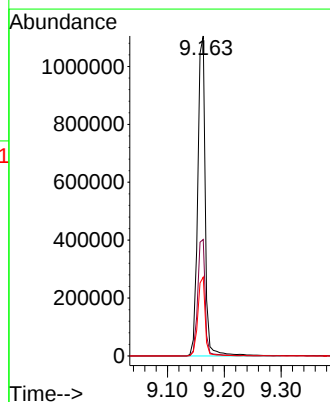
Tgt Ion:172 Resp: 1030368

Ion Ratio Lower Upper

172 100

171 36.4 31.5 47.3

170 24.6 20.8 31.2

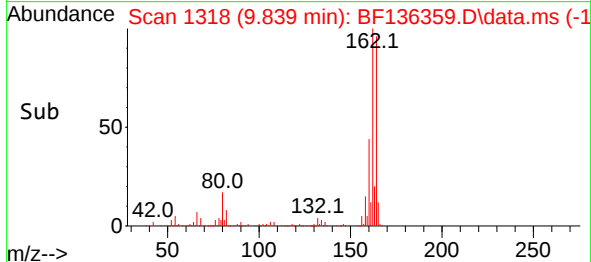
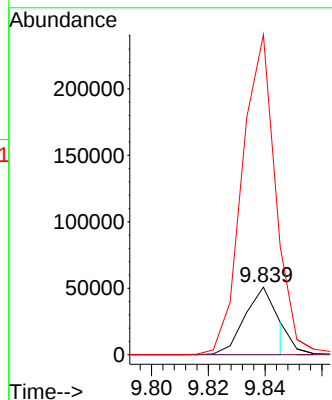
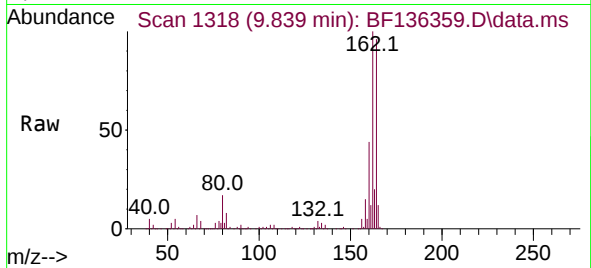




#50
Dimethylphthalate
Concen: 2.659 ng
RT: 9.839 min Scan# 1318
Delta R.T. 0.265 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01

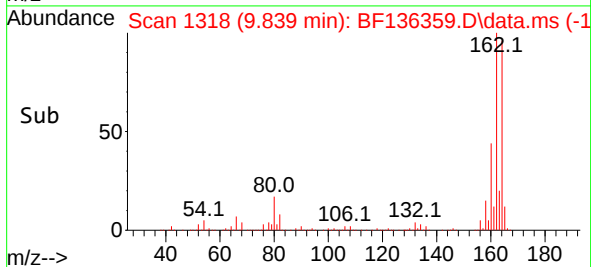
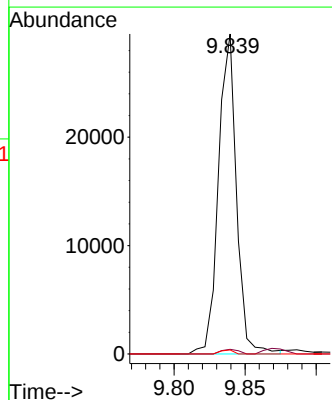
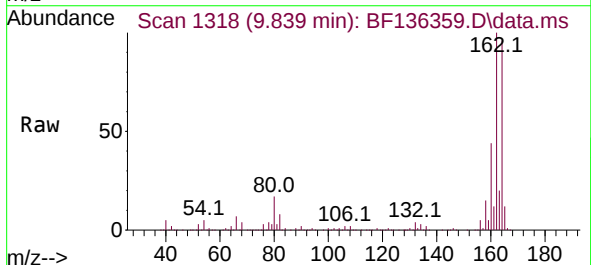
Instrument :
BNA_F
ClientSampleId :
COMP-4

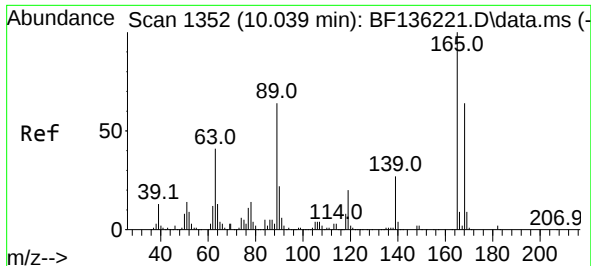
Tgt Ion:163 Resp: 40386
Ion Ratio Lower Upper
163 100
194 0.0 2.5 3.7#
164 474.1 7.0 10.6#



#51
2,6-Dinitrotoluene
Concen: 8.370 ng
RT: 9.839 min Scan# 1318
Delta R.T. 0.206 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01

Tgt Ion:165 Resp: 25969
Ion Ratio Lower Upper
165 100
63 1.4 46.2 69.2#
89 1.2 44.9 67.3#

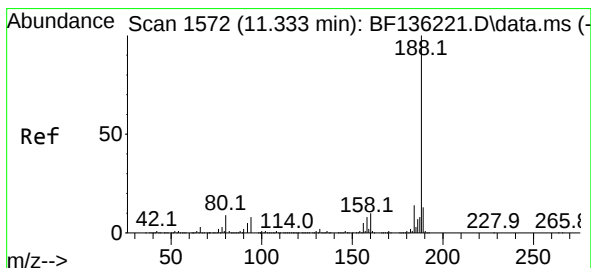
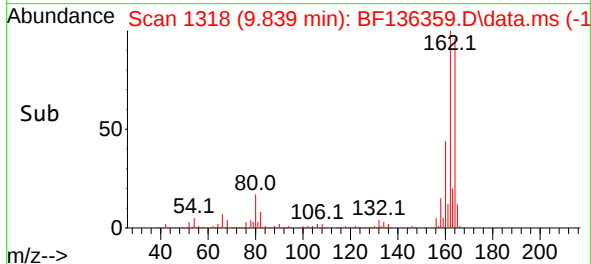
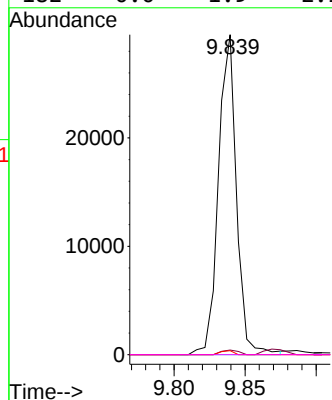
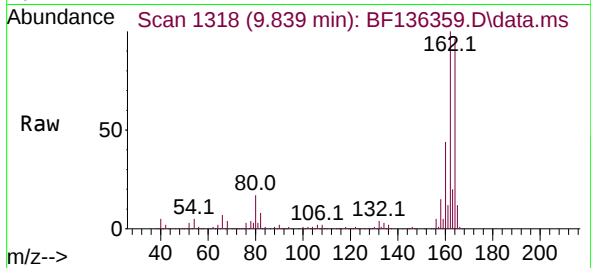




#57
2,4-Dinitrotoluene
Concen: 6.266 ng
RT: 9.839 min Scan# 111
Delta R.T. -0.200 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01

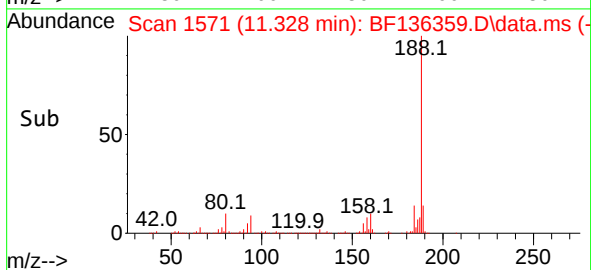
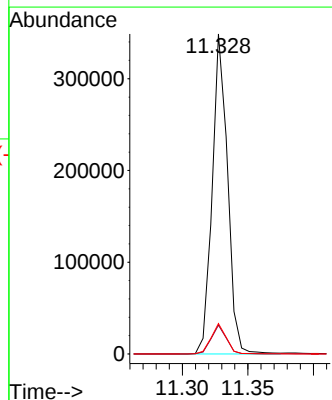
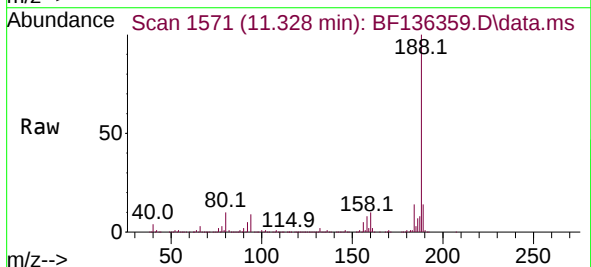
Instrument :
BNA_F
ClientSampleId :
COMP-4

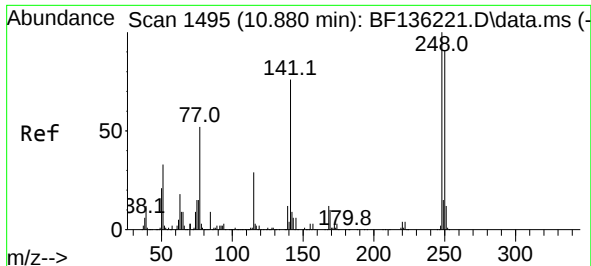
Tgt Ion:165 Resp: 25969
Ion Ratio Lower Upper
165 100
63 1.4 33.0 49.4#
89 1.2 51.5 77.3#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1571
Delta R.T. -0.005 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01

Tgt Ion:188 Resp: 284081
Ion Ratio Lower Upper
188 100
94 9.0 6.7 10.1
80 9.5 7.2 10.8

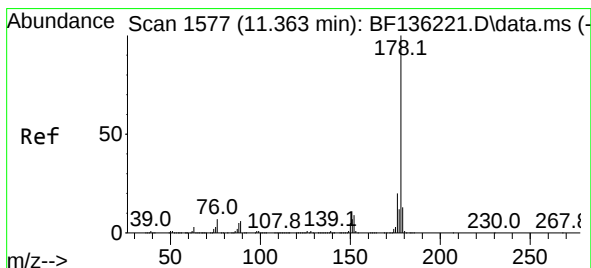
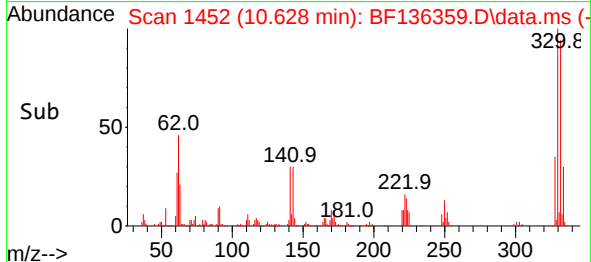
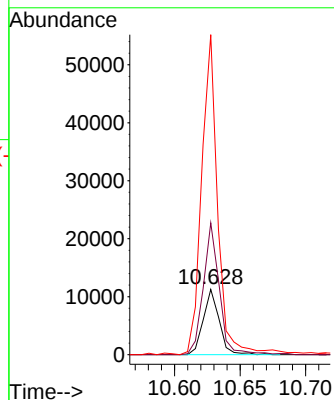
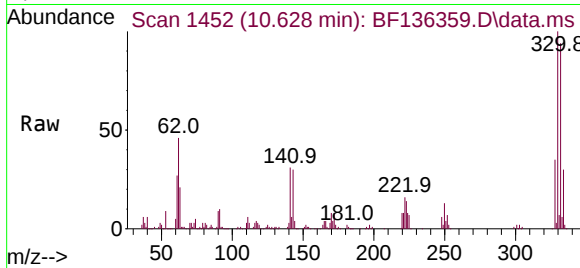




#67
4-Bromophenyl-phenylether
Concen: 2.887 ng
RT: 10.628 min Scan# 1495
Delta R.T. -0.253 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01

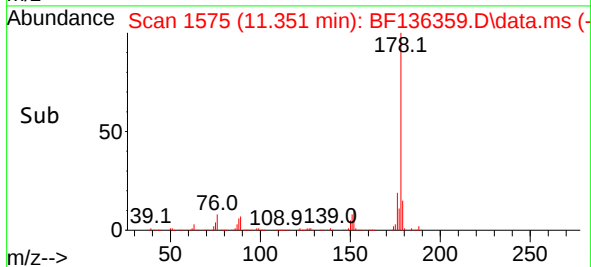
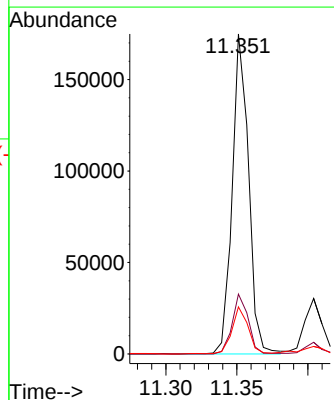
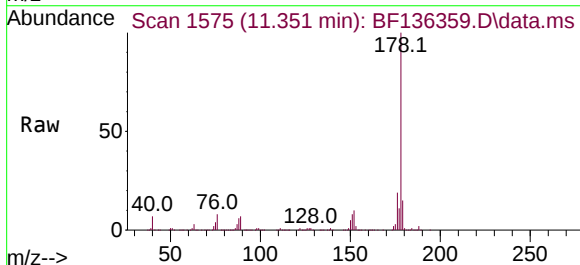
Instrument :
BNA_F
ClientSampleId :
COMP-4

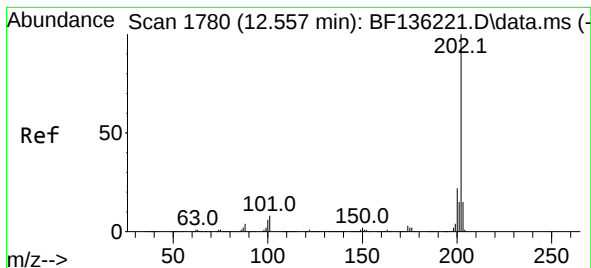
Tgt Ion:248 Resp: 9569
Ion Ratio Lower Upper
248 100
250 201.7 72.5 108.7#
141 489.8 60.8 91.2#



#71
Phenanthrene
Concen: 8.787 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01

Tgt Ion:178 Resp: 140302
Ion Ratio Lower Upper
178 100
176 18.7 16.2 24.2
179 14.7 10.3 15.5





#75

Fluoranthene

Concen: 15.995 ng

RT: 12.545 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136359.D

Acq: 02 Dec 2023 04:01

Instrument :

BNA_F

ClientSampleId :

COMP-4

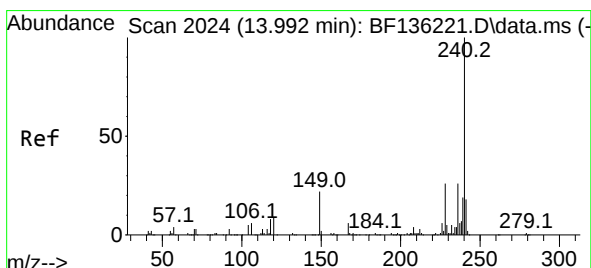
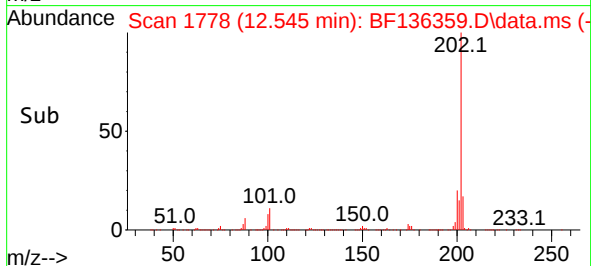
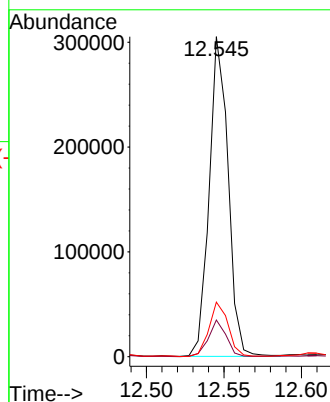
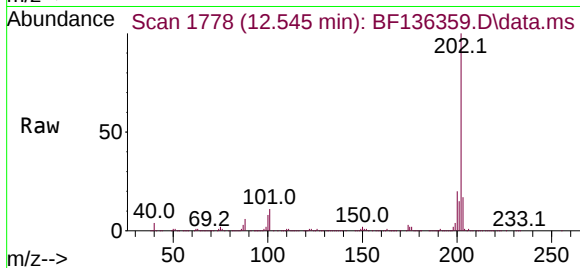
Tgt Ion:202 Resp: 259258

Ion Ratio Lower Upper

202 100

101 11.5 0.0 27.8

203 17.0 0.0 34.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 2022

Delta R.T. -0.012 min

Lab File: BF136359.D

Acq: 02 Dec 2023 04:01

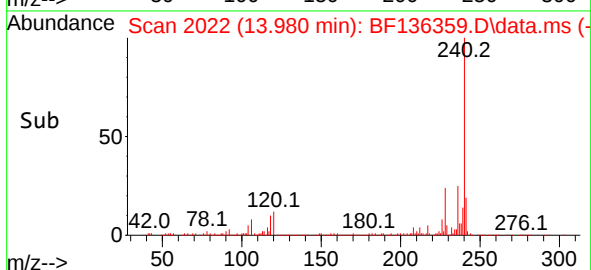
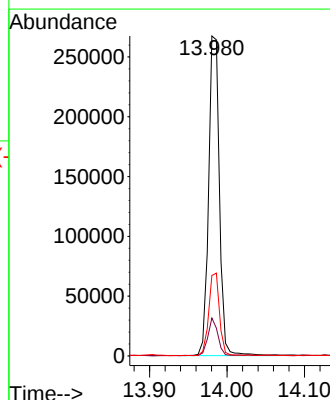
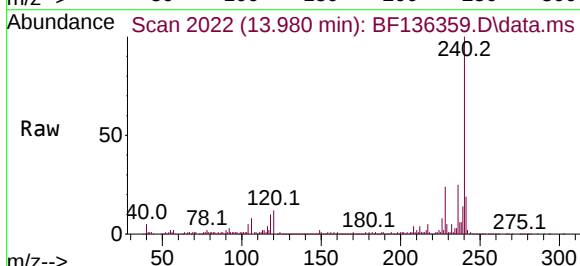
Tgt Ion:240 Resp: 259150

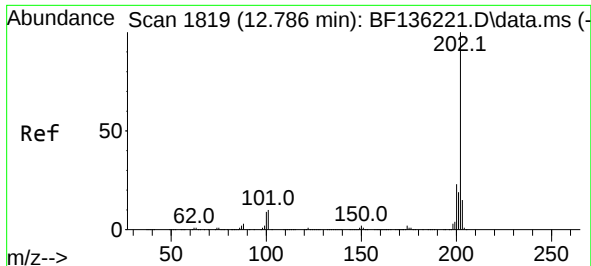
Ion Ratio Lower Upper

240 100

120 11.9 7.4 11.2#

236 25.2 21.1 31.7

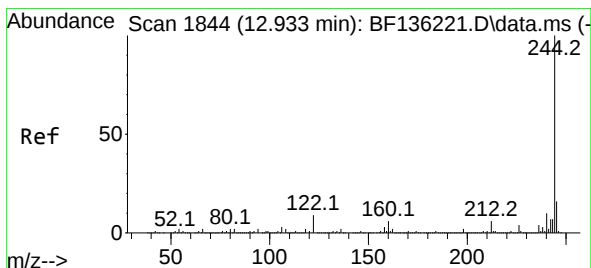
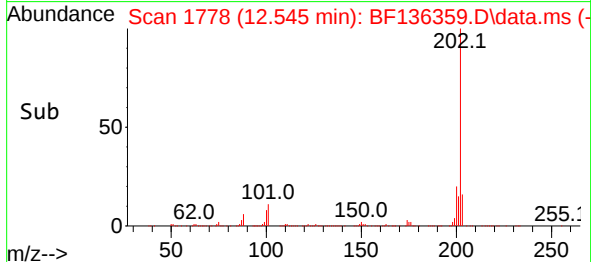
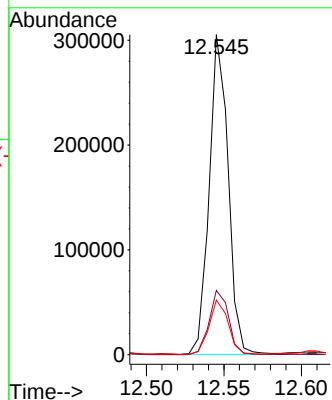
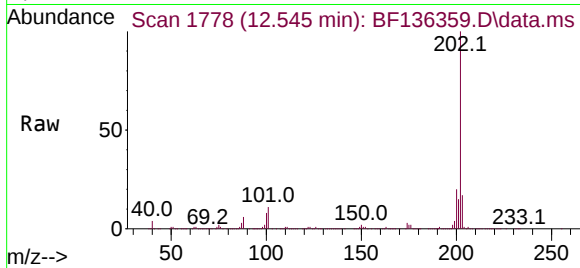




#78
 Pyrene
 Concen: 9.135 ng
 RT: 12.545 min Scan# 11
 Delta R.T. -0.241 min
 Lab File: BF136359.D
 Acq: 02 Dec 2023 04:01

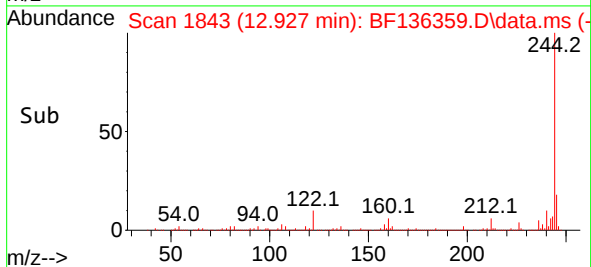
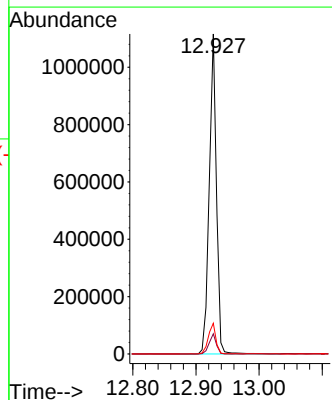
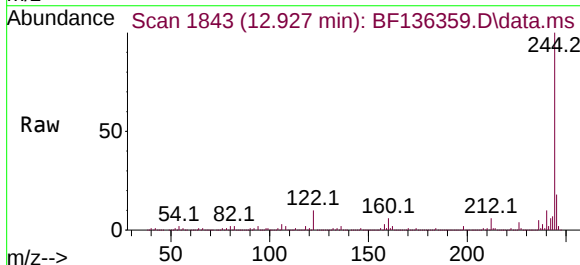
Instrument :
 BNA_F
 ClientSampleId :
 COMP-4

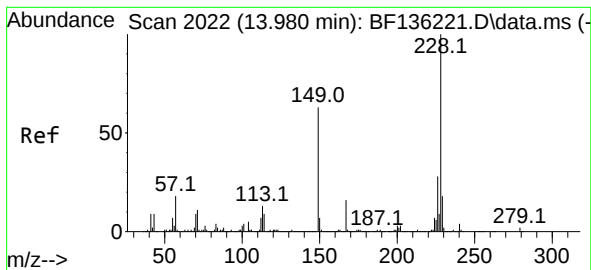
Tgt Ion:202 Resp: 259258
 Ion Ratio Lower Upper
 202 100
 200 20.1 18.4 27.6
 203 17.0 11.8 17.6



#79
 Terphenyl-d14
 Concen: 39.259 ng
 RT: 12.927 min Scan# 1843
 Delta R.T. -0.006 min
 Lab File: BF136359.D
 Acq: 02 Dec 2023 04:01

Tgt Ion:244 Resp: 882023
 Ion Ratio Lower Upper
 244 100
 212 6.3 4.6 7.0
 122 9.6 7.3 10.9





#81

Benzo(a)anthracene

Concen: 6.803 ng

RT: 13.974 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136359.D

Acq: 02 Dec 2023 04:01

Instrument :

BNA_F

ClientSampleId :

COMP-4

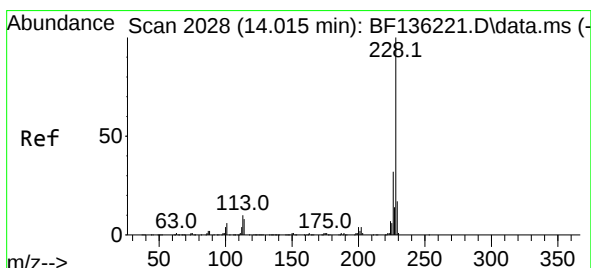
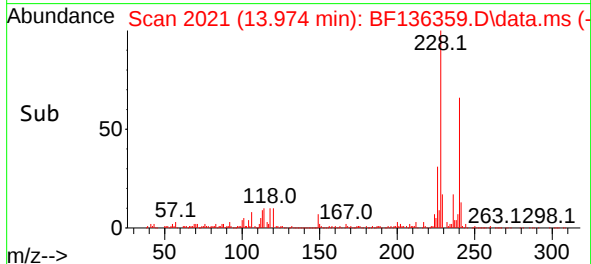
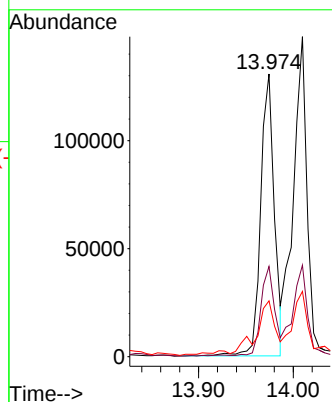
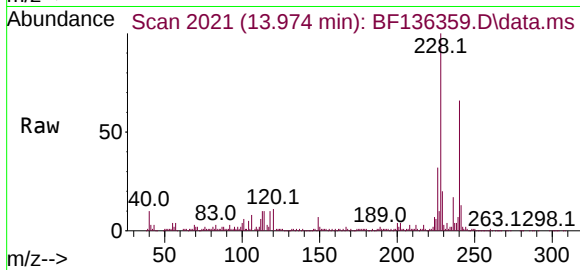
Tgt Ion:228 Resp: 130958

Ion Ratio Lower Upper

228 100

226 31.9 22.6 34.0

229 19.7 14.0 21.0



#83

Chrysene

Concen: 8.043 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF136359.D

Acq: 02 Dec 2023 04:01

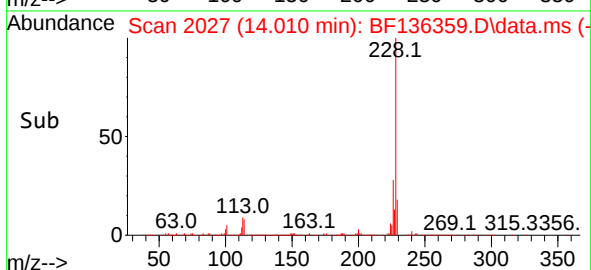
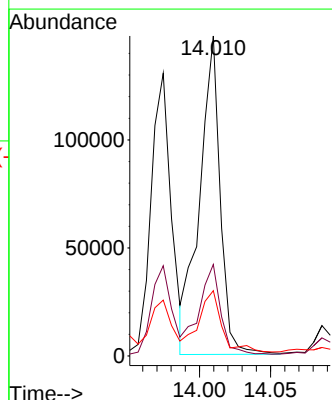
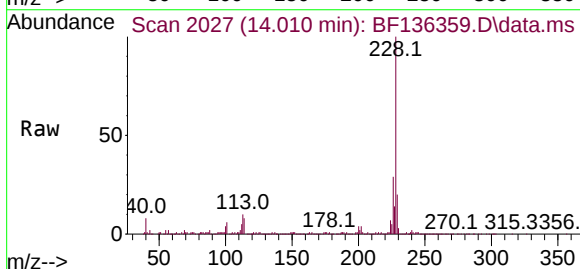
Tgt Ion:228 Resp: 149486

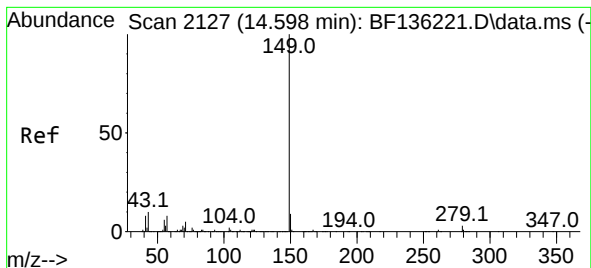
Ion Ratio Lower Upper

228 100

226 28.6 25.5 38.3

229 20.4 13.9 20.9

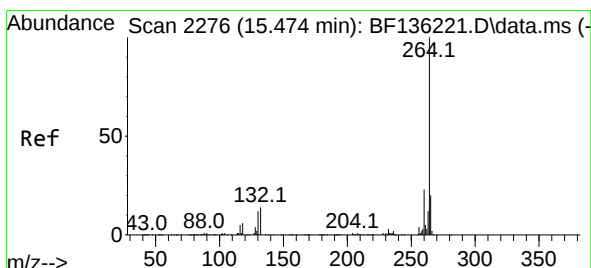
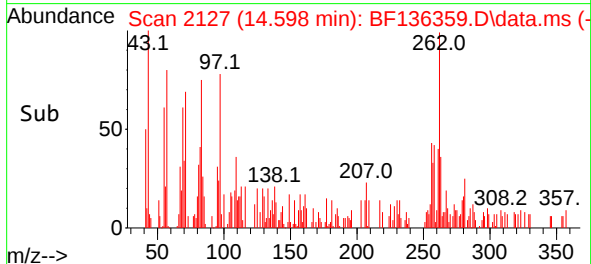
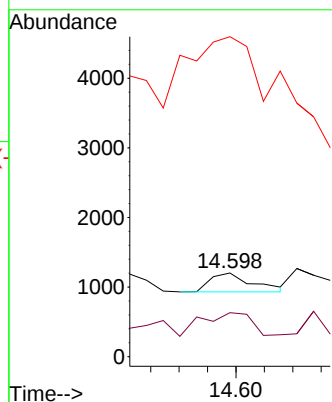
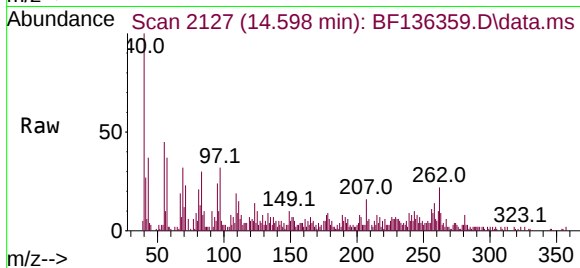




#85
Di-n-octyl phthalate
Concen: 5.177 ng
RT: 14.598 min Scan# 2127
Delta R.T. -0.000 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01

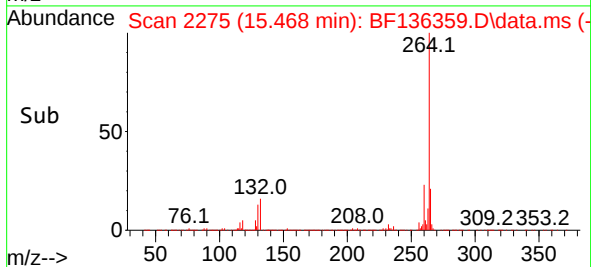
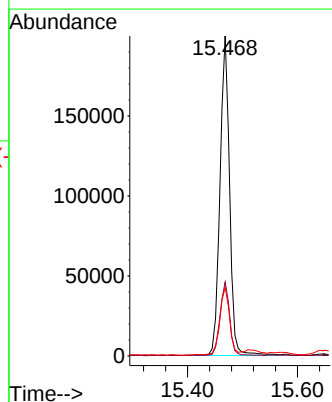
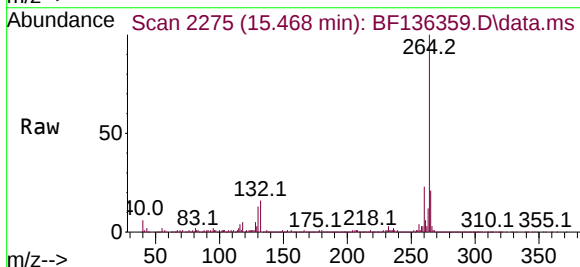
Instrument :
BNA_F
ClientSampleId :
COMP-4

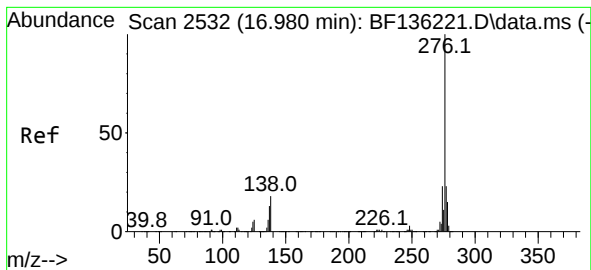
Tgt Ion:149 Resp: 281
Ion Ratio Lower Upper
149 100
167 156.9 1.0 1.6#
43 3065.1 7.2 10.8#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.006 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01

Tgt Ion:264 Resp: 242388
Ion Ratio Lower Upper
264 100
260 23.1 18.6 27.8
265 21.4 15.7 23.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.342 ng

RT: 16.962 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF136359.D

Acq: 02 Dec 2023 04:01

Instrument :

BNA_F

ClientSampleId :

COMP-4

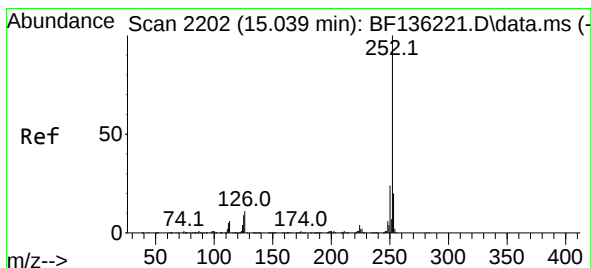
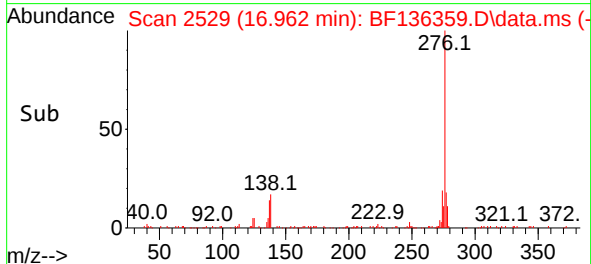
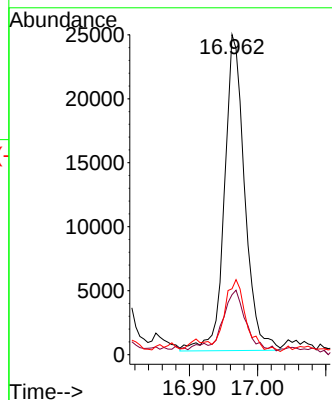
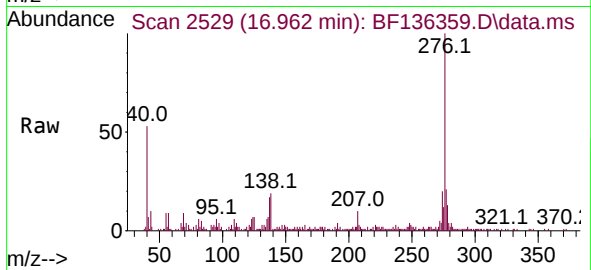
Tgt Ion:276 Resp: 51102

Ion Ratio Lower Upper

276 100

138 21.2 17.7 26.5

277 23.7 19.6 29.4



#88

Benzo(b)fluoranthene

Concen: 12.542 ng

RT: 15.033 min Scan# 2201

Delta R.T. -0.006 min

Lab File: BF136359.D

Acq: 02 Dec 2023 04:01

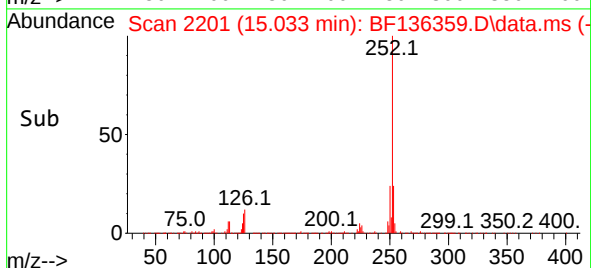
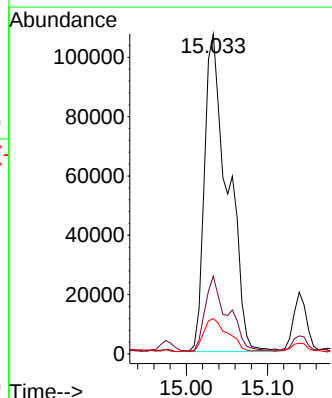
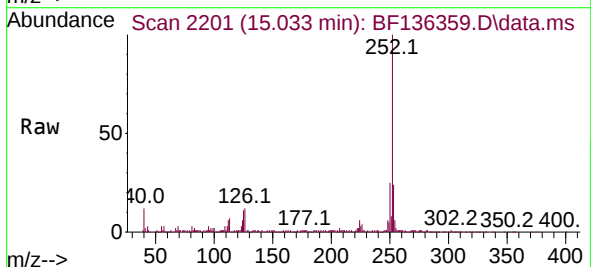
Tgt Ion:252 Resp: 213282

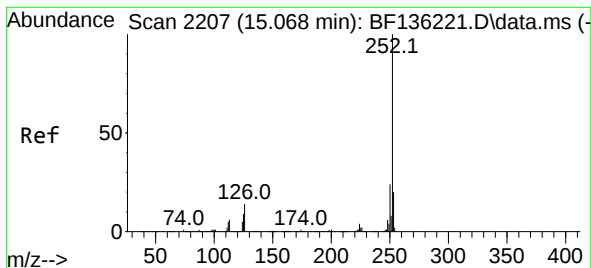
Ion Ratio Lower Upper

252 100

253 24.3 16.2 24.2#

125 11.0 6.9 10.3#





#89

Benzo(k)fluoranthene

Concen: 13.205 ng

RT: 15.033 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF136359.D

Acq: 02 Dec 2023 04:01

Instrument :

BNA_F

ClientSampleId :

COMP-4

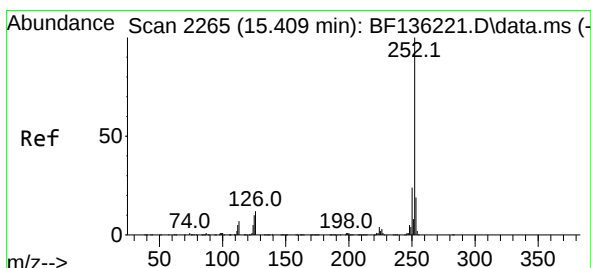
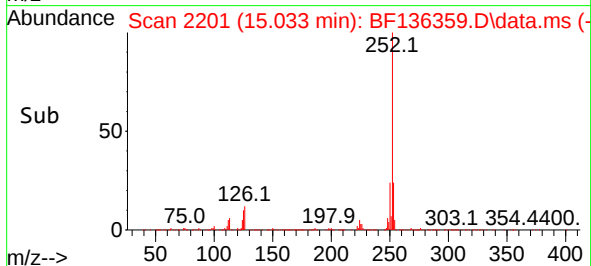
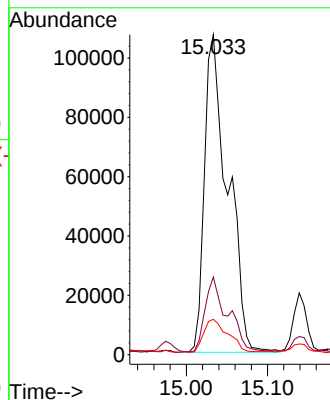
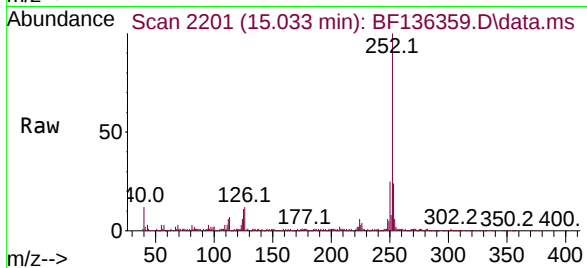
Tgt Ion:252 Resp: 213282

Ion Ratio Lower Upper

252 100

253 24.3 15.6 23.4#

125 11.0 7.0 10.4#



#90

Benzo(a)pyrene

Concen: 7.065 ng

RT: 15.398 min Scan# 2263

Delta R.T. -0.011 min

Lab File: BF136359.D

Acq: 02 Dec 2023 04:01

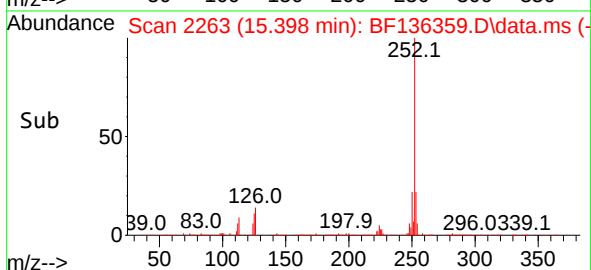
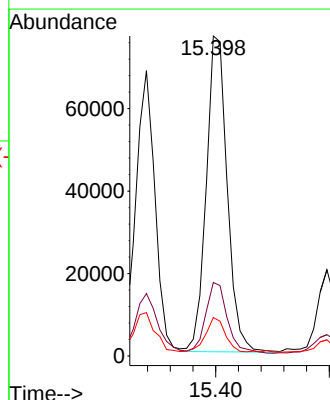
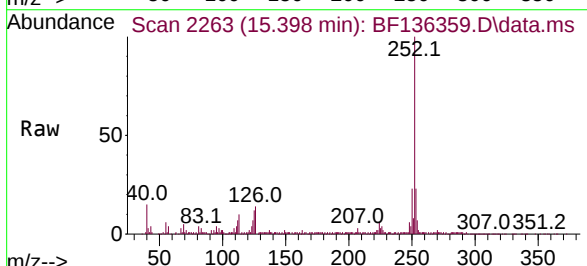
Tgt Ion:252 Resp: 98215

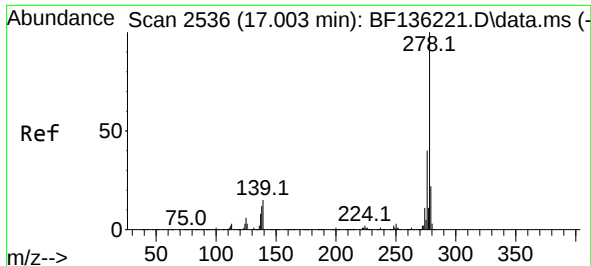
Ion Ratio Lower Upper

252 100

253 23.0 15.5 23.3

125 12.0 7.9 11.9#

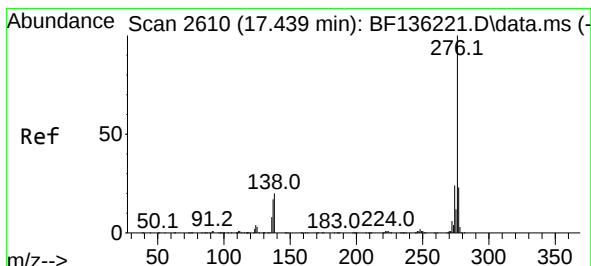
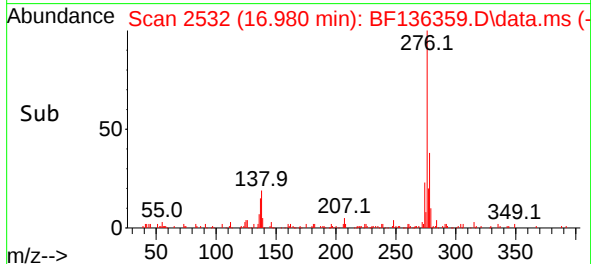
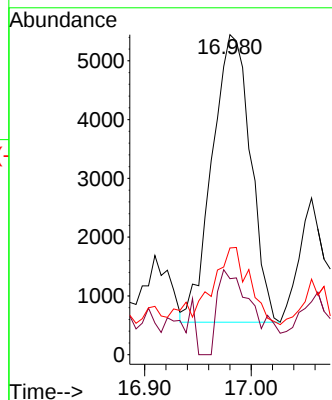
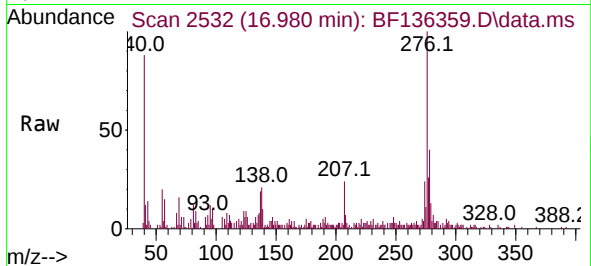




#91
Dibenzo(a,h)anthracene
Concen: 3.511 ng
RT: 16.980 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01

Instrument :
BNA_F
ClientSampleId :
COMP-4

Tgt Ion:278 Resp: 12298
Ion Ratio Lower Upper
278 100
139 23.8 11.7 17.5#
279 33.3 17.8 26.8#



#92
Benzo(g,h,i)perylene
Concen: 4.938 ng
RT: 17.421 min Scan# 2607
Delta R.T. -0.018 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01

Tgt Ion:276 Resp: 46152
Ion Ratio Lower Upper
276 100
277 26.9 18.6 27.8
138 20.9 15.8 23.8

