

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
 Data File : BF136365.D
 Acq On : 02 Dec 2023 07:20
 Operator : CG\JU
 Sample : 05521-07
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3-COMP

Quant Time: Dec 03 07:22:56 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)

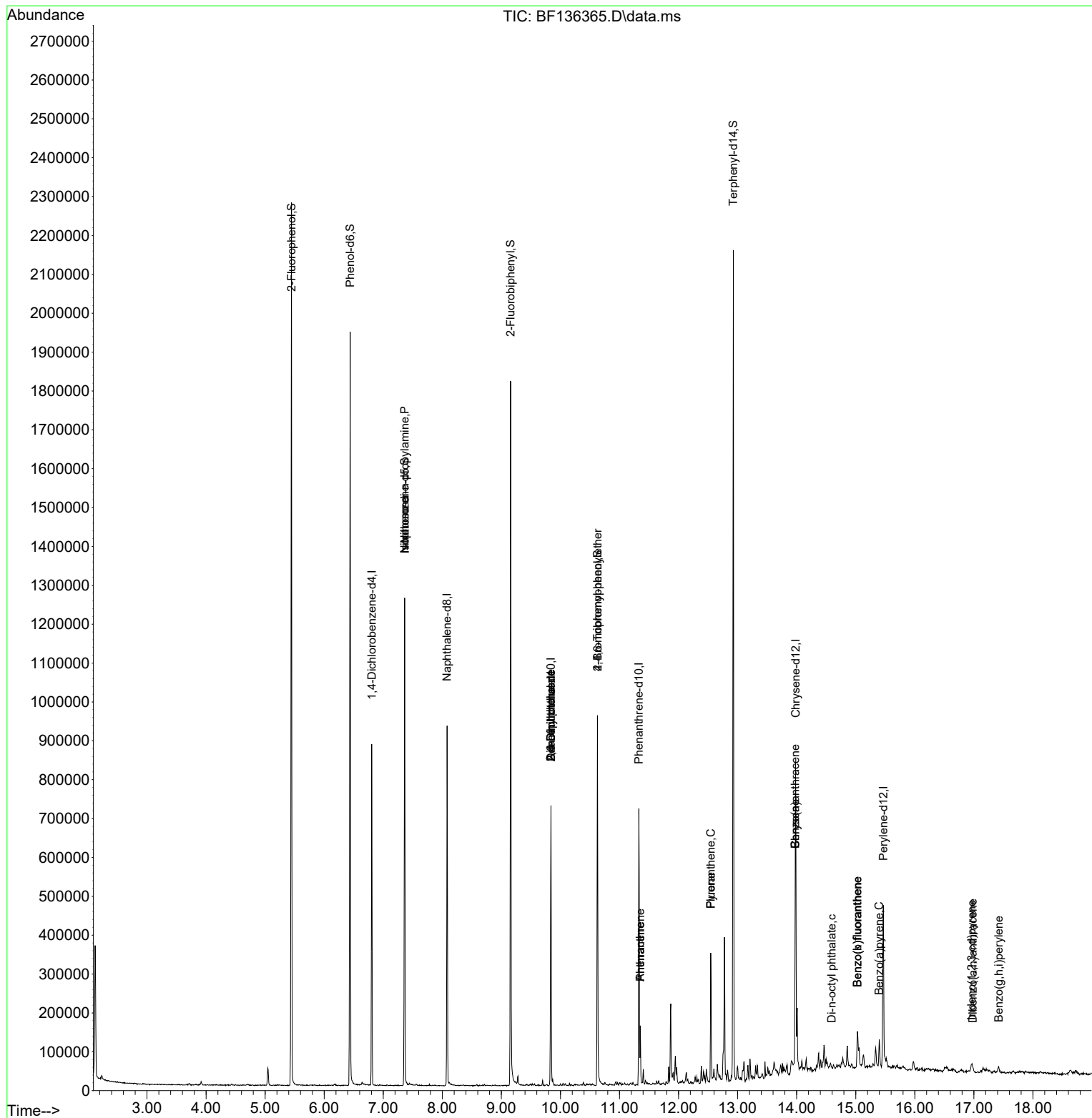
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	116115	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	387475	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	140258	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	258016	20.000	ng	0.00
76) Chrysene-d12	13.980	240	254756	20.000	ng	#-0.01
86) Perylene-d12	15.468	264	200426	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	577876	69.269	ng	0.00
7) Phenol-d6	6.440	99	646997	62.025	ng	0.00
23) Nitrobenzene-d5	7.363	82	368640	50.275	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	117087	68.281	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	559141	50.920	ng	-0.01
79) Terphenyl-d14	12.927	244	710977	32.192	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.363	70	47606	7.631	ng	# 74
25) Isophorone	7.363	82	368631	27.881	ng	# 68
50) Dimethylphthalate	9.839	163	27674	2.611	ng	# 1
51) 2,6-Dinitrotoluene	9.839	165	17964	8.295	ng	# 23
57) 2,4-Dinitrotoluene	9.839	165	17964	6.210	ng	# 27
67) 4-Bromophenyl-phenylether	10.628	248	6924	2.300	ng	# 1
71) Phenanthrene	11.351	178	49909	3.442	ng	97
72) Anthracene	11.351	178	49909	3.432	ng	97
75) Fluoranthene	12.545	202	123434	8.385	ng	94
78) Pyrene	12.545	202	123434	4.424	ng	95
81) Benzo(a)anthracene	13.974	228	64561	3.412	ng	98
83) Chrysene	13.974	228	64561	3.534	ng	94
85) Di-n-octyl phthalate	14.592	149	356	5.181	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.962	276	15973	3.686	ng	# 91
88) Benzo(b)fluoranthene	15.027	252	71148	5.060	ng	# 91
89) Benzo(k)fluoranthene	15.027	252	71148	5.327	ng	# 90
90) Benzo(a)pyrene	15.398	252	31715	2.759	ng	# 91
91) Dibenzo(a,h)anthracene	16.980	278	5486	3.144	ng	# 79
92) Benzo(g,h,i)perylene	17.421	276	15572	3.140	ng	97

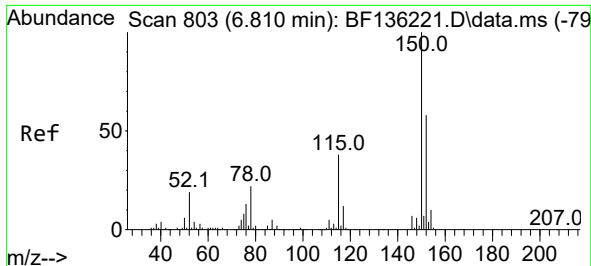
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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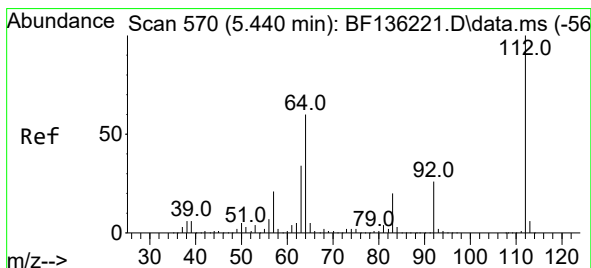
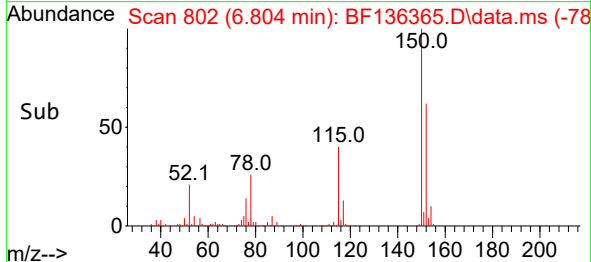
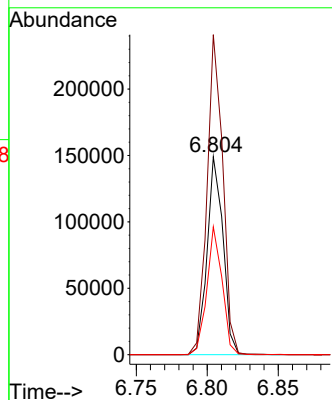
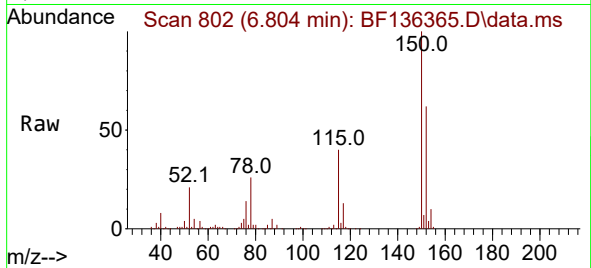




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20

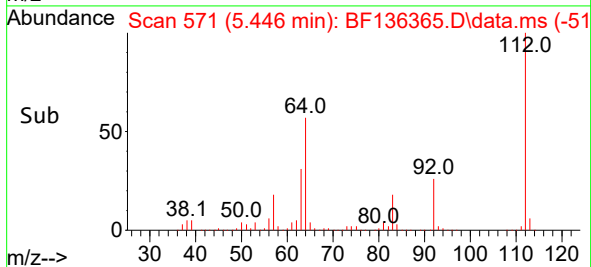
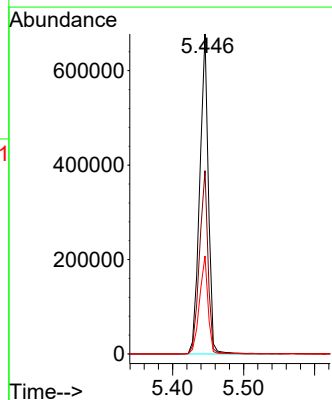
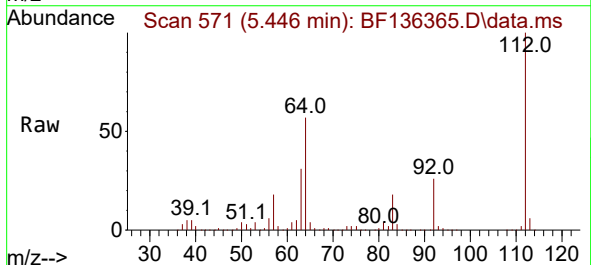
Instrument :
BNA_F
ClientSampleId :
SP-3-COMP

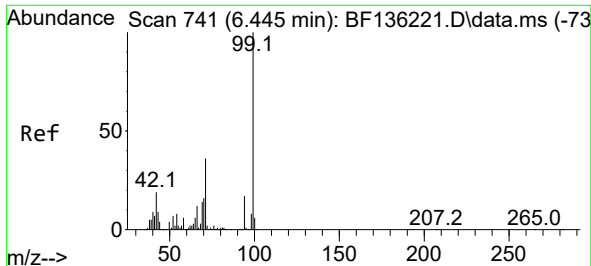
Tgt Ion:152 Resp: 116115
Ion Ratio Lower Upper
152 100
150 161.7 137.8 206.8
115 64.6 52.7 79.1



#5
2-Fluorophenol
Concen: 69.269 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.006 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20

Tgt Ion:112 Resp: 577876
Ion Ratio Lower Upper
112 100
64 57.3 48.2 72.4
63 30.6 27.0 40.6

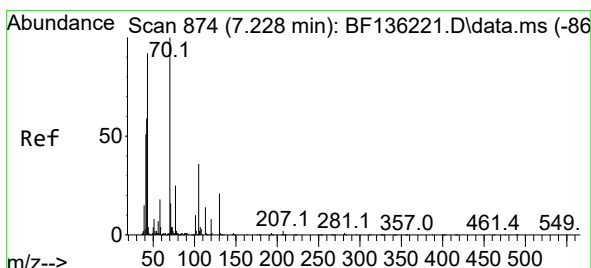
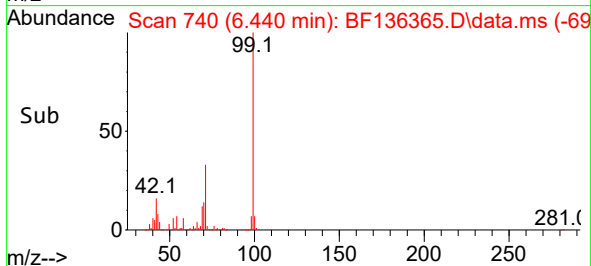
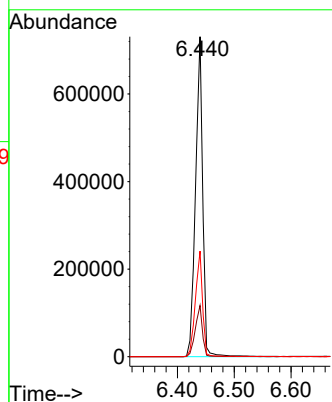
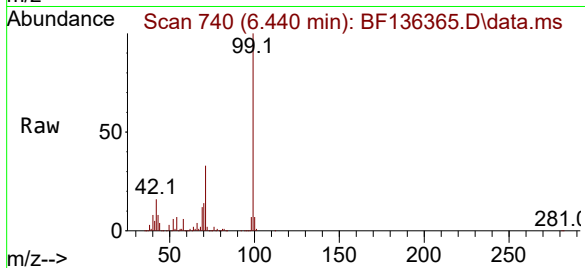




#7
Phenol-d6
Concen: 62.025 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20

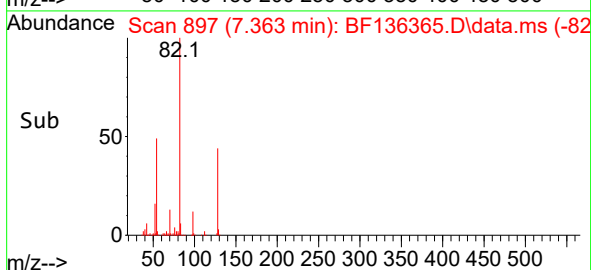
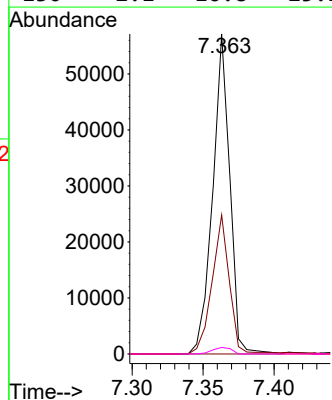
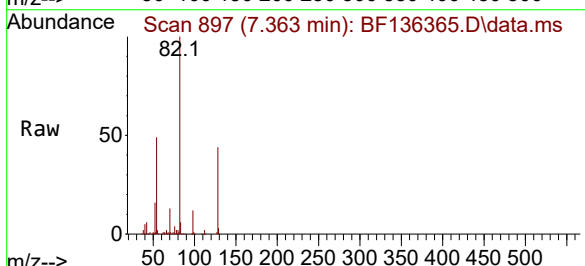
Instrument :
BNA_F
ClientSampleId :
SP-3-COMP

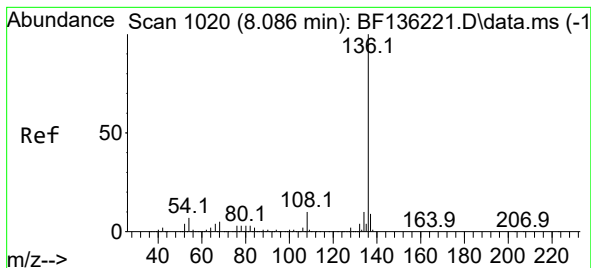
Tgt Ion: 99 Resp: 646997
Ion Ratio Lower Upper
99 100
42 16.0 15.0 22.6
71 33.0 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 7.631 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.135 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20

Tgt Ion: 70 Resp: 47606
Ion Ratio Lower Upper
70 100
42 43.5 47.0 70.4#
101 0.0 7.8 11.8#
130 2.1 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136365.D

Acq: 02 Dec 2023 07:20

Instrument :

BNA_F

ClientSampleId :

SP-3-COMP

Tgt Ion:136 Resp: 387475

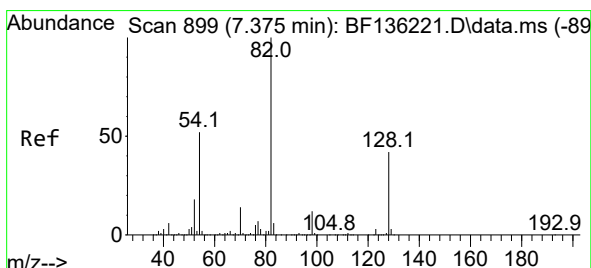
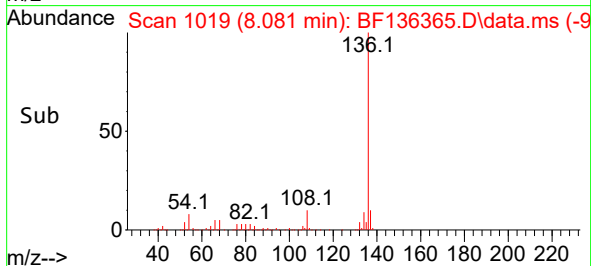
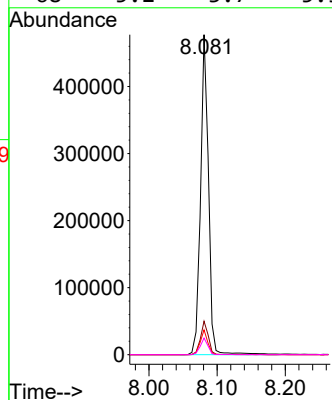
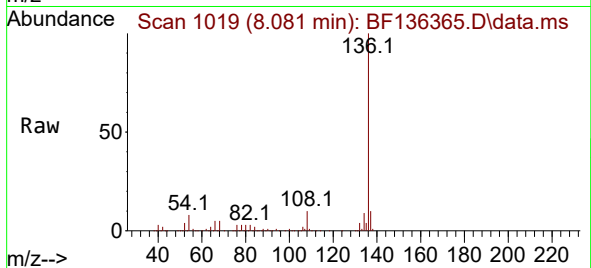
Ion Ratio Lower Upper

136 100

137 10.5 7.4 11.2

54 7.8 5.5 8.3

68 5.2 3.7 5.5



#23

Nitrobenzene-d5

Concen: 50.275 ng

RT: 7.363 min Scan# 897

Delta R.T. -0.012 min

Lab File: BF136365.D

Acq: 02 Dec 2023 07:20

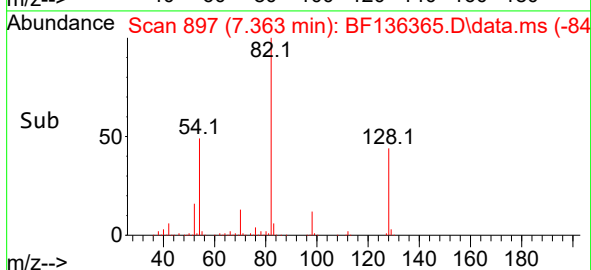
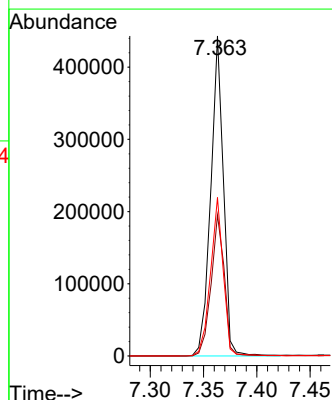
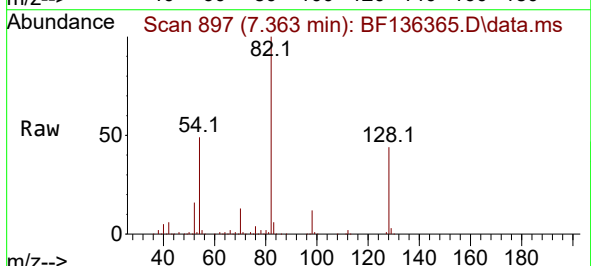
Tgt Ion: 82 Resp: 368640

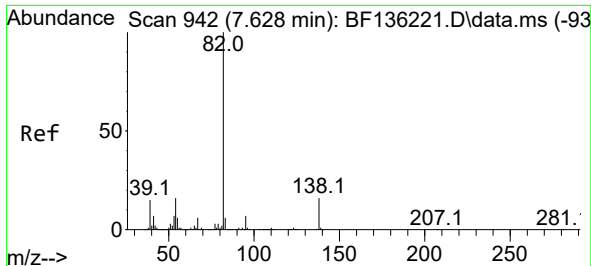
Ion Ratio Lower Upper

82 100

128 44.0 33.4 50.2

54 49.5 41.7 62.5

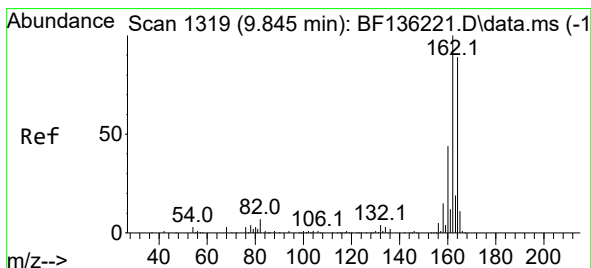
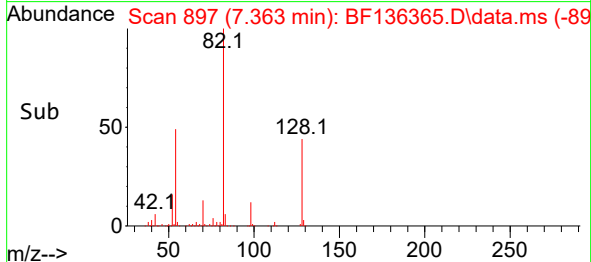
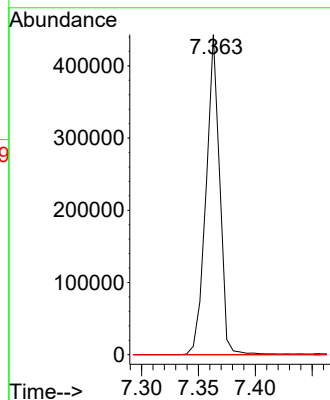
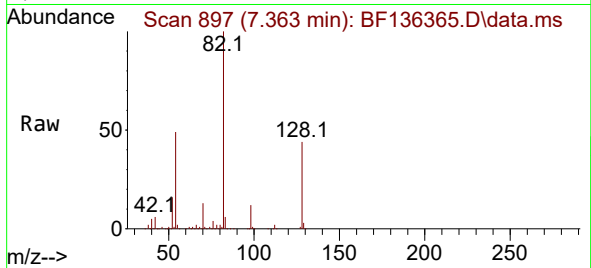




#25
Isophorone
Concen: 27.881 ng
RT: 7.363 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20

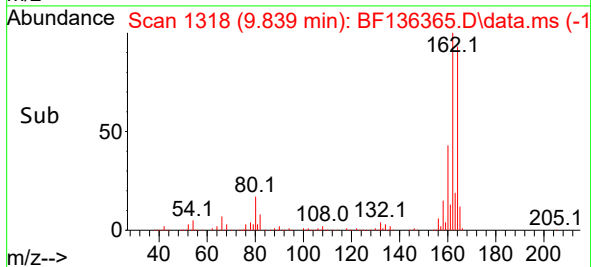
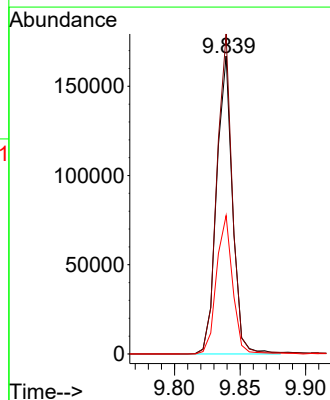
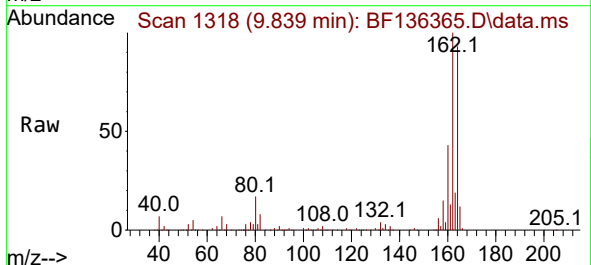
Instrument :
BNA_F
ClientSampleId :
SP-3-COMP

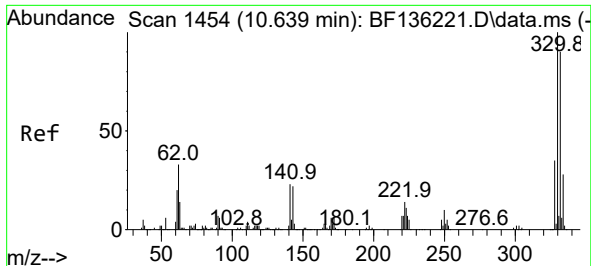
Tgt Ion: 82 Resp: 368631
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20

Tgt Ion:164 Resp: 140258
Ion Ratio Lower Upper
164 100
162 107.4 89.5 134.3
160 46.5 39.6 59.4





#42

2,4,6-Tribromophenol

Concen: 68.281 ng

RT: 10.628 min Scan# 1454

Delta R.T. -0.012 min

Lab File: BF136365.D

Acq: 02 Dec 2023 07:20

Instrument :

BNA_F

ClientSampleId :

SP-3-COMP

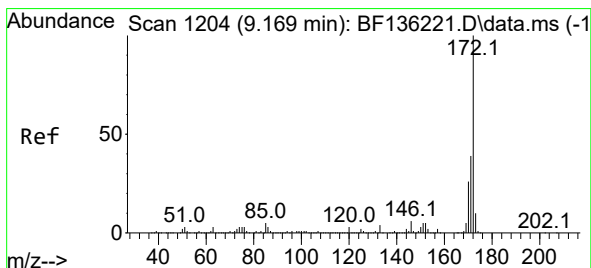
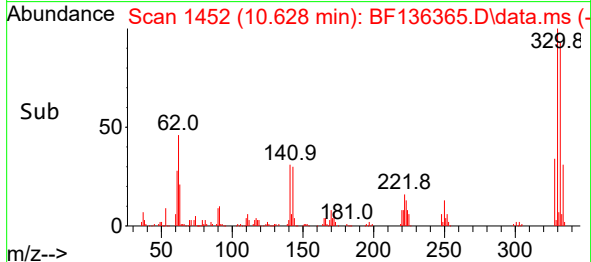
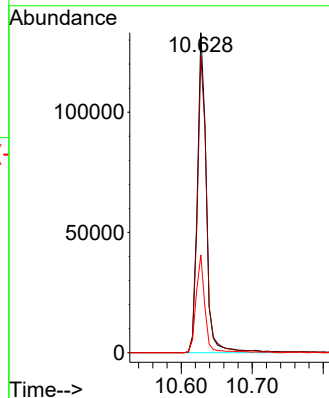
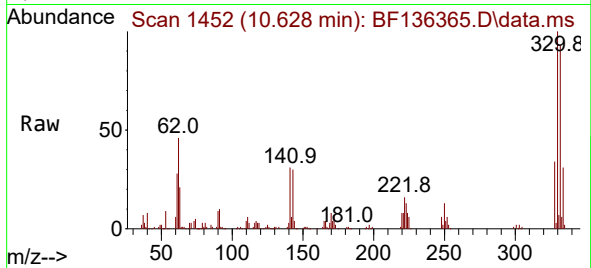
Tgt Ion:330 Resp: 117087

Ion Ratio Lower Upper

330 100

332 96.2 73.0 109.6

141 30.8 24.2 36.2



#45

2-Fluorobiphenyl

Concen: 50.920 ng

RT: 9.157 min Scan# 1202

Delta R.T. -0.012 min

Lab File: BF136365.D

Acq: 02 Dec 2023 07:20

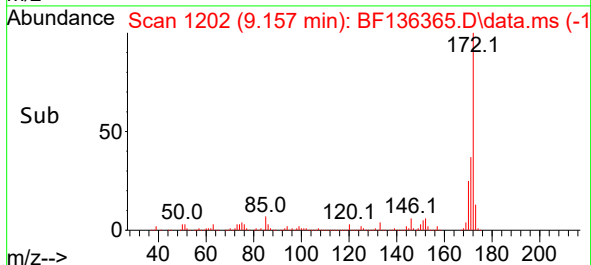
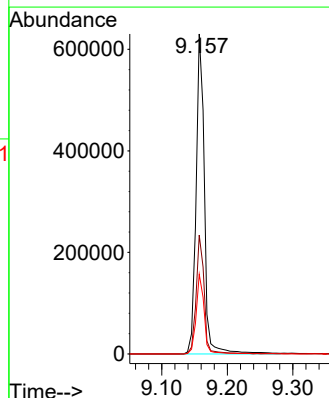
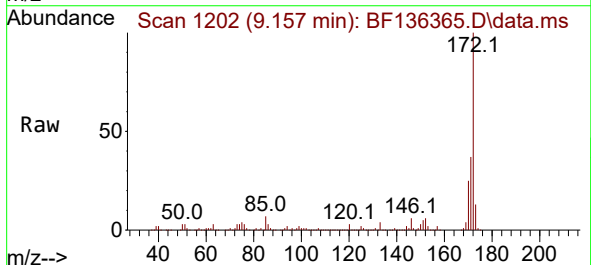
Tgt Ion:172 Resp: 559141

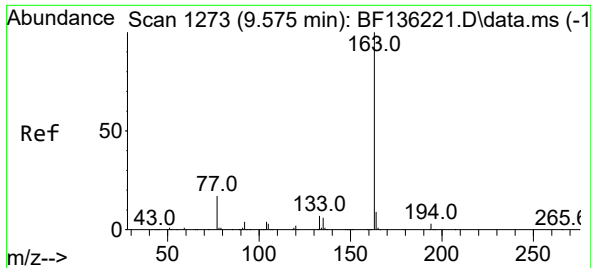
Ion Ratio Lower Upper

172 100

171 37.2 31.5 47.3

170 24.9 20.8 31.2

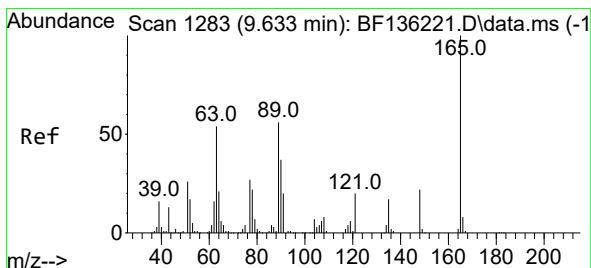
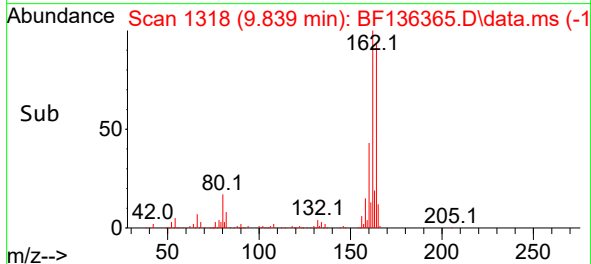
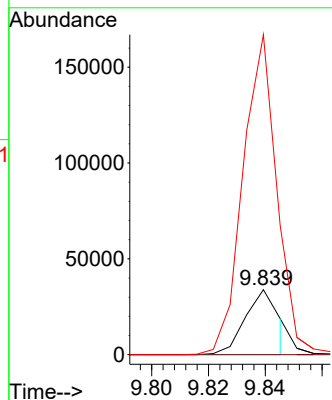
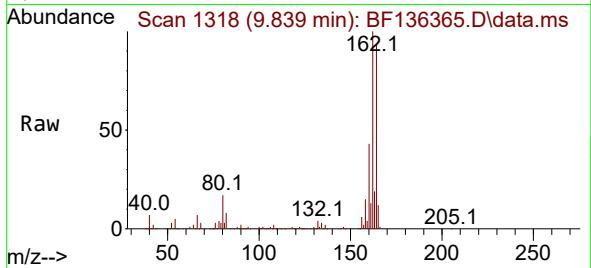




#50
Dimethylphthalate
Concen: 2.611 ng
RT: 9.839 min Scan# 1318
Delta R.T. 0.265 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20

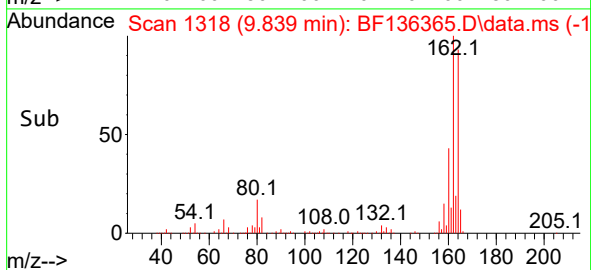
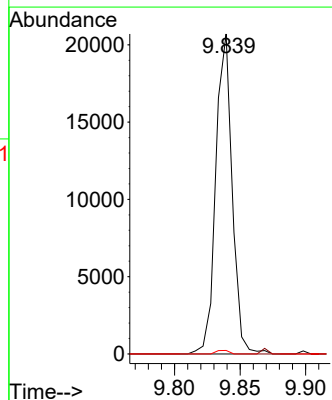
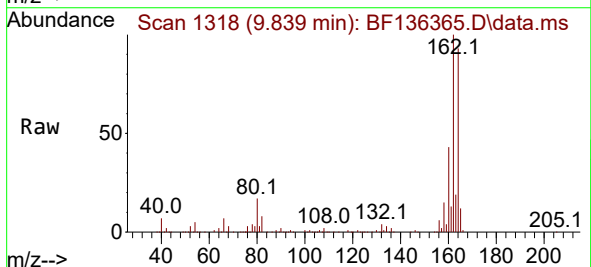
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SP-3-COMP

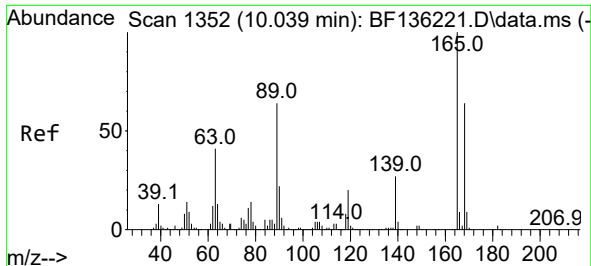
Tgt Ion:163 Resp: 27674
Ion Ratio Lower Upper
163 100
194 0.0 2.5 3.7#
164 492.8 7.0 10.6#



#51
2,6-Dinitrotoluene
Concen: 8.295 ng
RT: 9.839 min Scan# 1318
Delta R.T. 0.206 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20

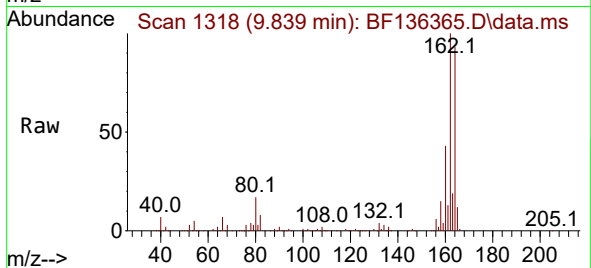
Tgt Ion:165 Resp: 17964
Ion Ratio Lower Upper
165 100
63 0.0 46.2 69.2#
89 1.1 44.9 67.3#



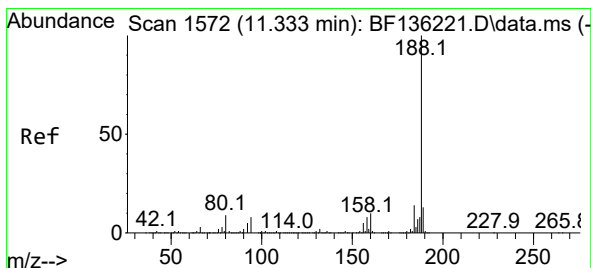
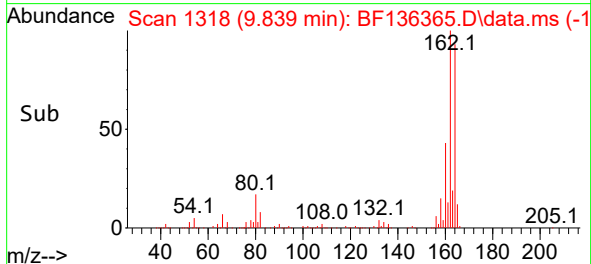
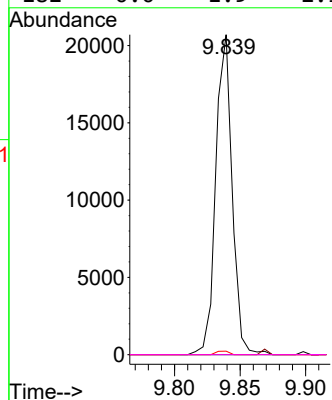


#57
2,4-Dinitrotoluene
Concen: 6.210 ng
RT: 9.839 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20

Instrument :
BNA_F
ClientSampleId :
SP-3-COMP

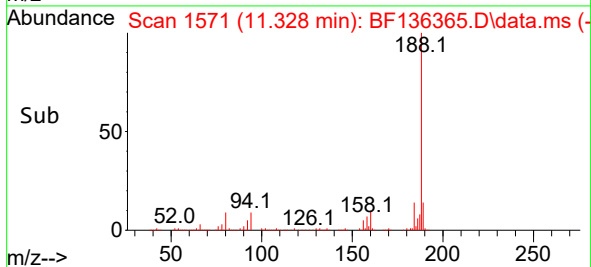
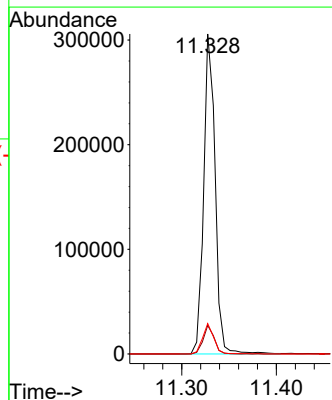
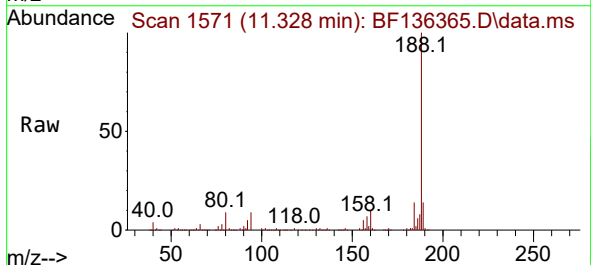


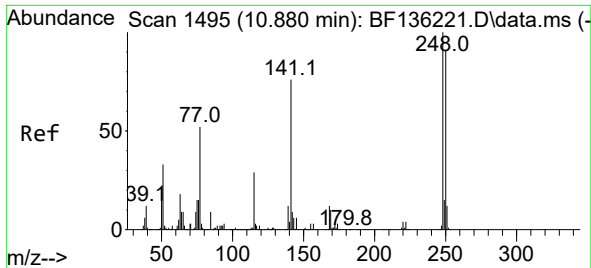
Tgt Ion:165 Resp: 17964
Ion Ratio Lower Upper
165 100
63 0.0 33.0 49.4#
89 1.1 51.5 77.3#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1571
Delta R.T. -0.005 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20

Tgt Ion:188 Resp: 258016
Ion Ratio Lower Upper
188 100
94 8.9 6.7 10.1
80 9.5 7.2 10.8

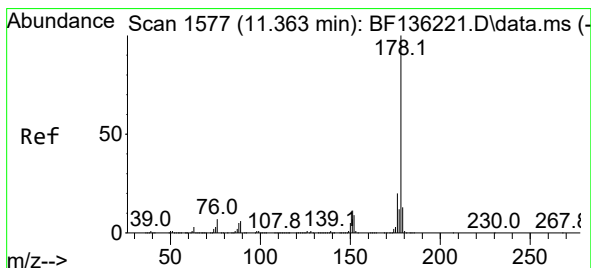
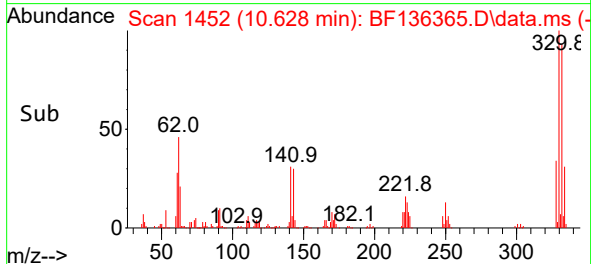
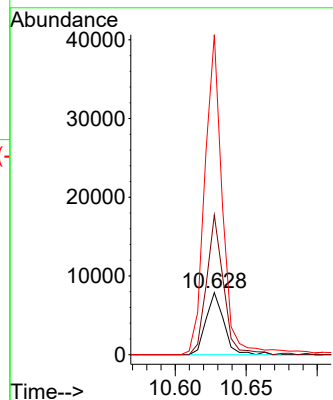
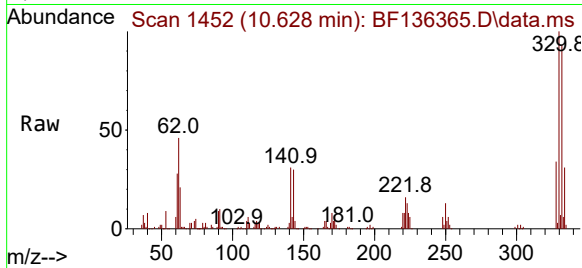




#67
4-Bromophenyl-phenylether
Concen: 2.300 ng
RT: 10.628 min Scan# 1495
Delta R.T. -0.253 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20

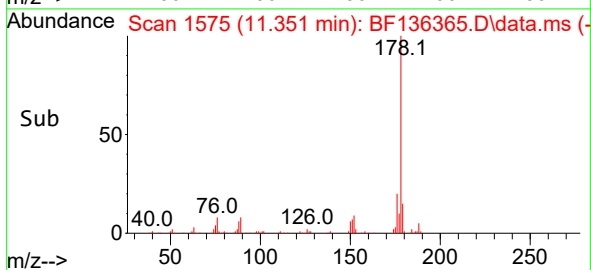
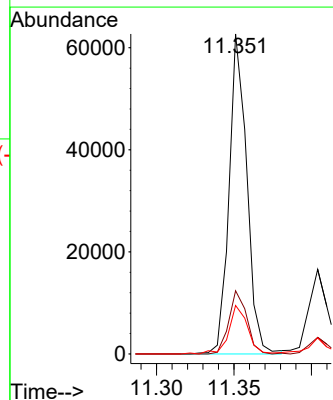
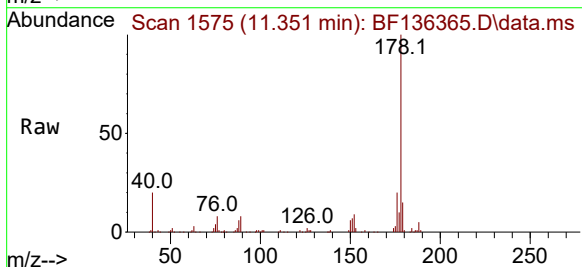
Instrument :
BNA_F
ClientSampleId :
SP-3-COMP

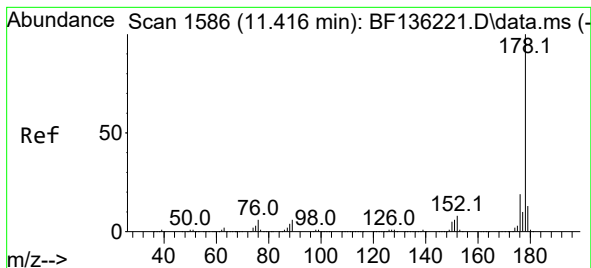
Tgt Ion:248 Resp: 6924
Ion Ratio Lower Upper
248 100
250 225.2 72.5 108.7#
141 515.7 60.8 91.2#



#71
Phenanthrene
Concen: 3.442 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20

Tgt Ion:178 Resp: 49909
Ion Ratio Lower Upper
178 100
176 19.8 16.2 24.2
179 15.1 10.3 15.5





#72

Anthracene

Concen: 3.432 ng

RT: 11.351 min Scan# 11

Delta R.T. -0.065 min

Lab File: BF136365.D

Acq: 02 Dec 2023 07:20

Instrument :

BNA_F

ClientSampleId :

SP-3-COMP

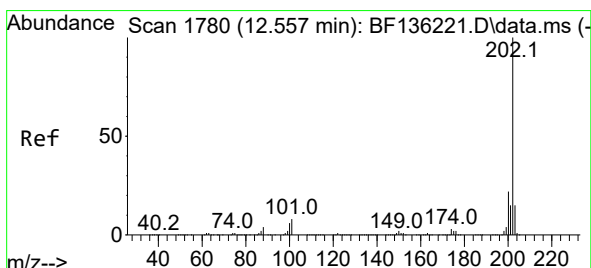
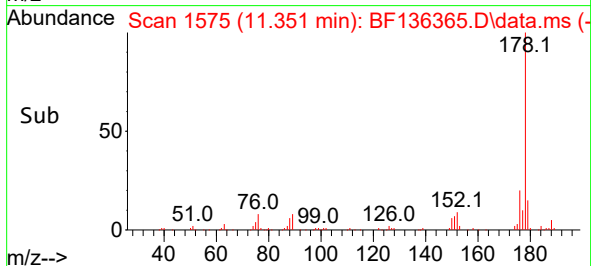
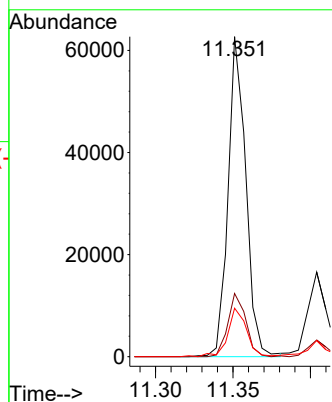
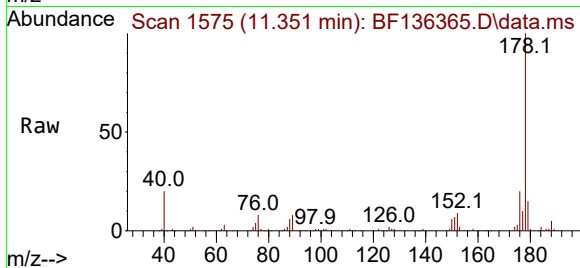
Tgt Ion:178 Resp: 49909

Ion Ratio Lower Upper

178 100

176 19.8 15.5 23.3

179 15.1 10.5 15.7



#75

Fluoranthene

Concen: 8.385 ng

RT: 12.545 min Scan# 1778

Delta R.T. -0.012 min

Lab File: BF136365.D

Acq: 02 Dec 2023 07:20

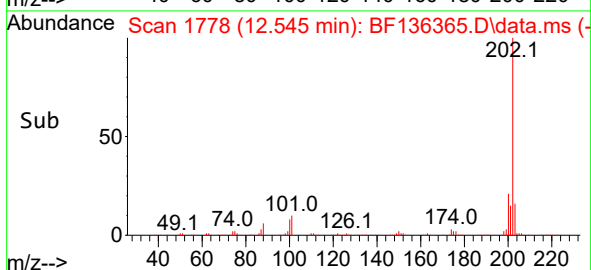
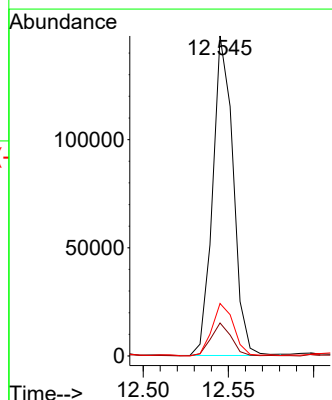
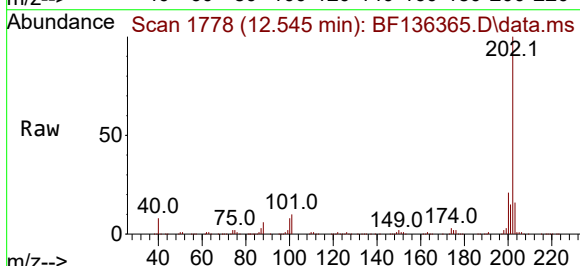
Tgt Ion:202 Resp: 123434

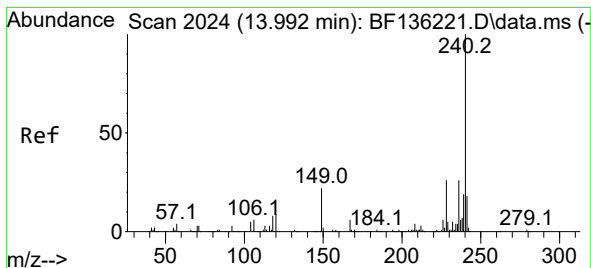
Ion Ratio Lower Upper

202 100

101 10.3 0.0 27.8

203 16.4 0.0 34.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136365.D

Acq: 02 Dec 2023 07:20

Instrument :

BNA_F

ClientSampleId :

SP-3-COMP

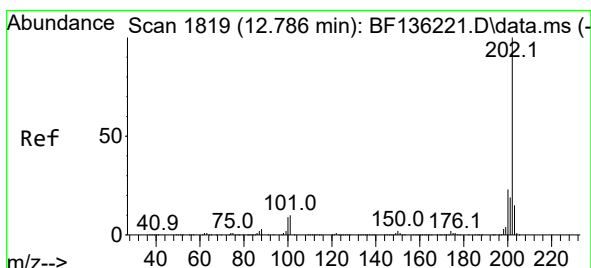
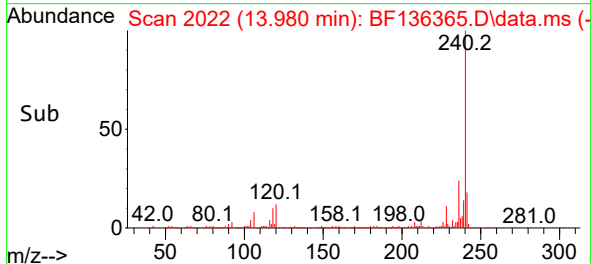
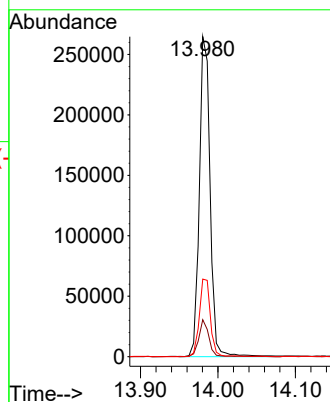
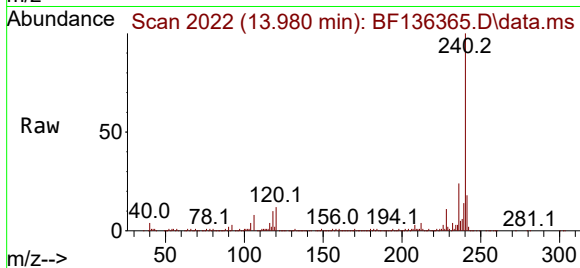
Tgt Ion:240 Resp: 254756

Ion Ratio Lower Upper

240 100

120 11.6 7.4 11.2#

236 24.3 21.1 31.7



#78

Pyrene

Concen: 4.424 ng

RT: 12.545 min Scan# 1778

Delta R.T. -0.241 min

Lab File: BF136365.D

Acq: 02 Dec 2023 07:20

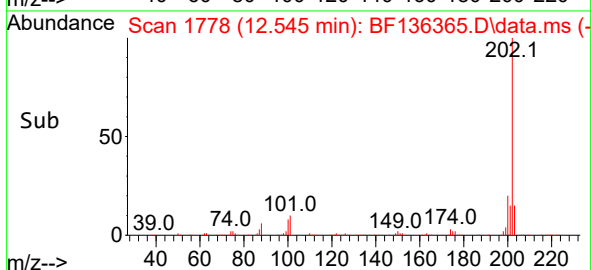
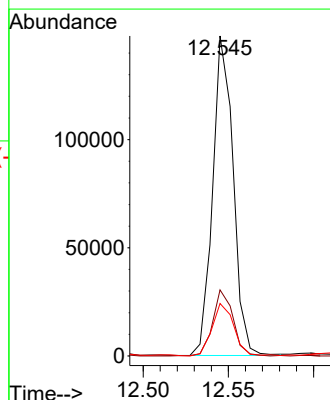
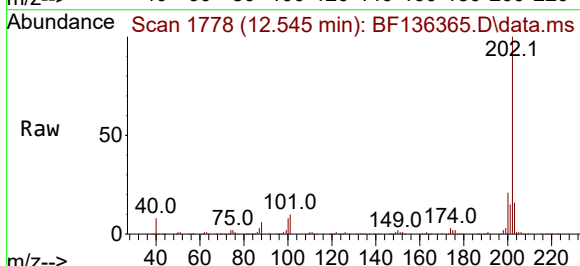
Tgt Ion:202 Resp: 123434

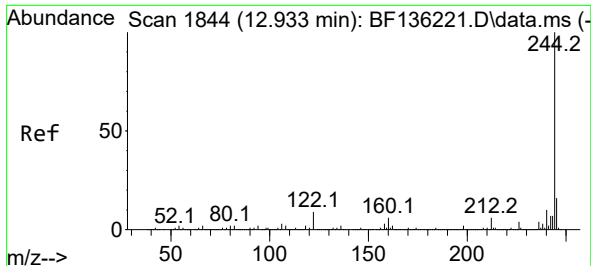
Ion Ratio Lower Upper

202 100

200 20.6 18.4 27.6

203 16.4 11.8 17.6

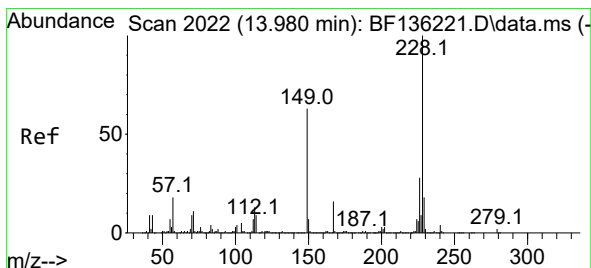
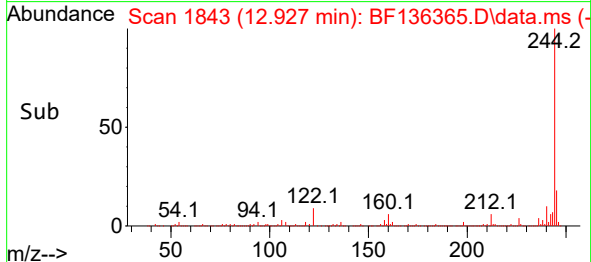
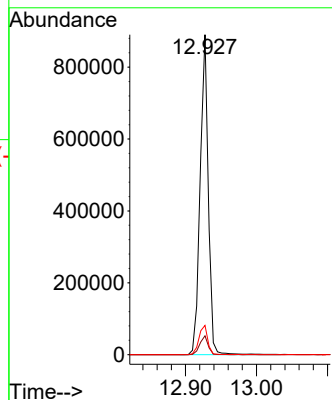
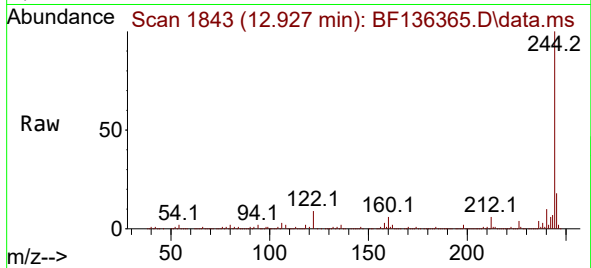




#79
 Terphenyl-d14
 Concen: 32.192 ng
 RT: 12.927 min Scan# 1843
 Delta R.T. -0.006 min
 Lab File: BF136365.D
 Acq: 02 Dec 2023 07:20

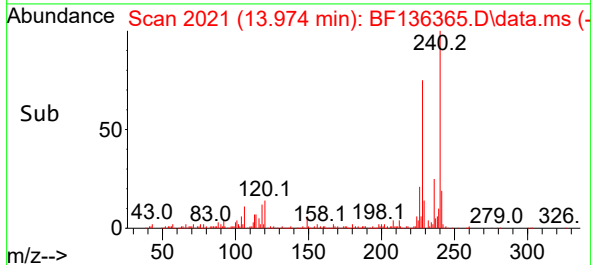
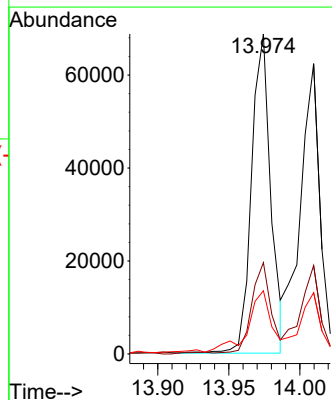
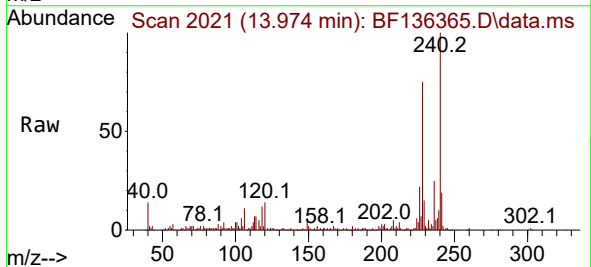
Instrument :
 BNA_F
 ClientSampleId :
 SP-3-COMP

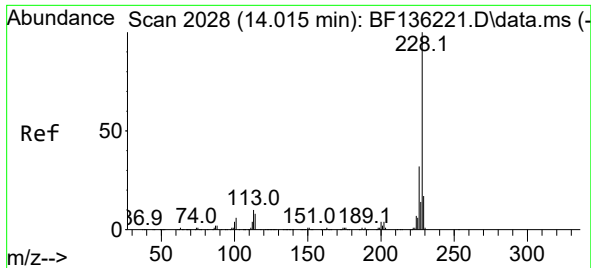
Tgt Ion:244 Resp: 710977
 Ion Ratio Lower Upper
 244 100
 212 5.9 4.6 7.0
 122 9.1 7.3 10.9



#81
 Benzo(a)anthracene
 Concen: 3.412 ng
 RT: 13.974 min Scan# 2021
 Delta R.T. -0.006 min
 Lab File: BF136365.D
 Acq: 02 Dec 2023 07:20

Tgt Ion:228 Resp: 64561
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.6 34.0
 229 19.7 14.0 21.0





#83

Chrysene

Concen: 3.534 ng

RT: 13.974 min Scan# 2028

Delta R.T. -0.041 min

Lab File: BF136365.D

Acq: 02 Dec 2023 07:20

Instrument :

BNA_F

ClientSampleId :

SP-3-COMP

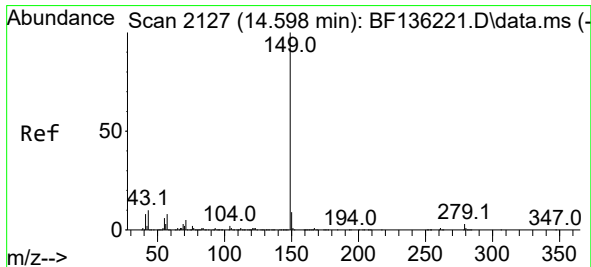
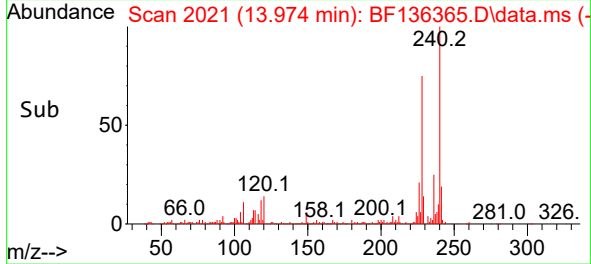
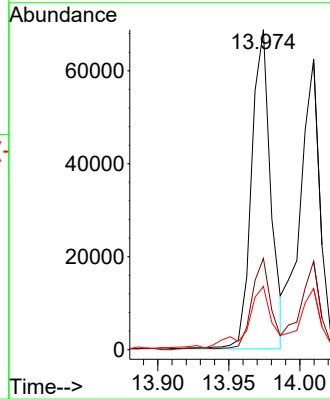
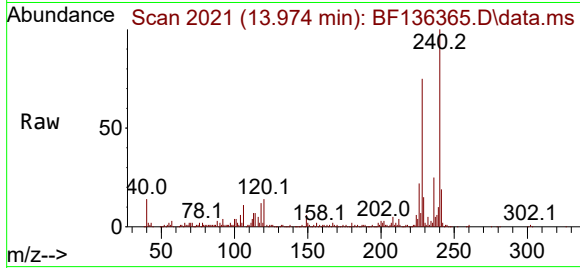
Tgt Ion:228 Resp: 64561

Ion Ratio Lower Upper

228 100

226 28.6 25.5 38.3

229 19.7 13.9 20.9



#85

Di-n-octyl phthalate

Concen: 5.181 ng

RT: 14.592 min Scan# 2126

Delta R.T. -0.006 min

Lab File: BF136365.D

Acq: 02 Dec 2023 07:20

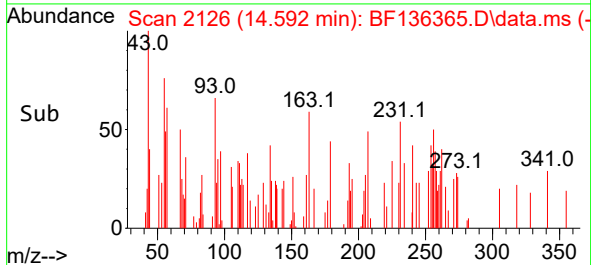
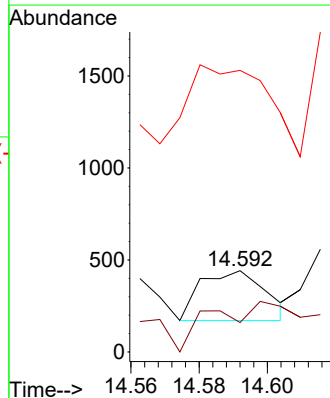
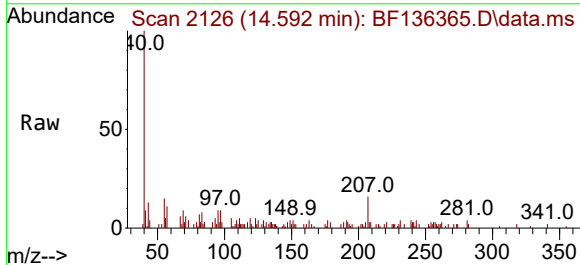
Tgt Ion:149 Resp: 356

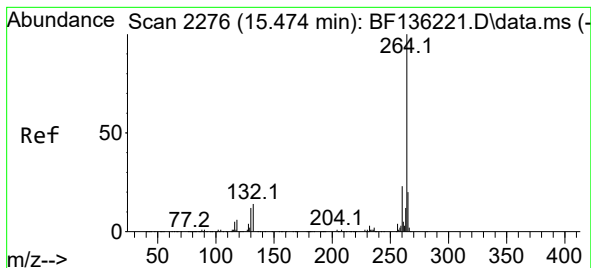
Ion Ratio Lower Upper

149 100

167 130.9 1.0 1.6#

43 226.4 7.2 10.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136365.D

Acq: 02 Dec 2023 07:20

Instrument :

BNA_F

ClientSampleId :

SP-3-COMP

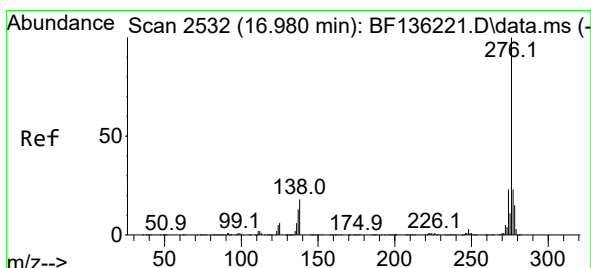
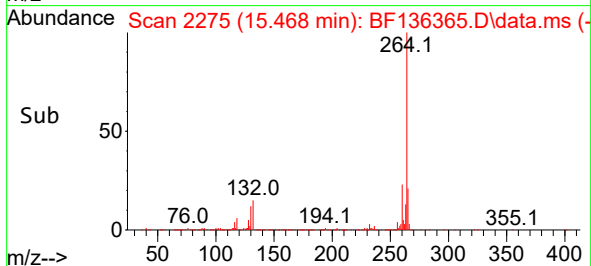
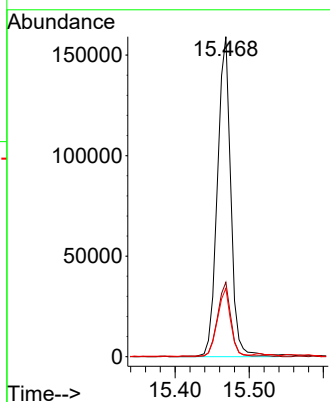
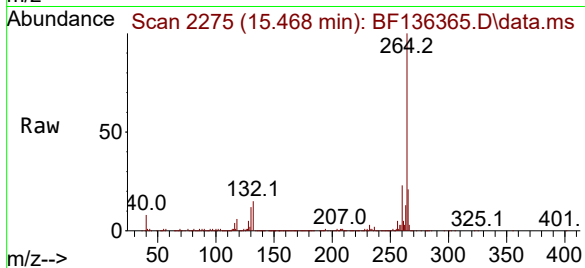
Tgt Ion:264 Resp: 200426

Ion Ratio Lower Upper

264 100

260 23.2 18.6 27.8

265 21.4 15.7 23.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.686 ng

RT: 16.962 min Scan# 2529

Delta R.T. -0.018 min

Lab File: BF136365.D

Acq: 02 Dec 2023 07:20

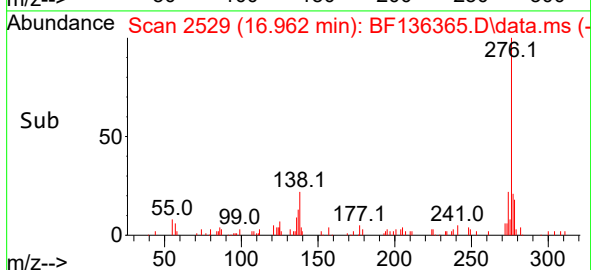
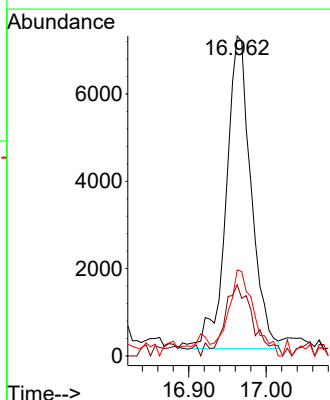
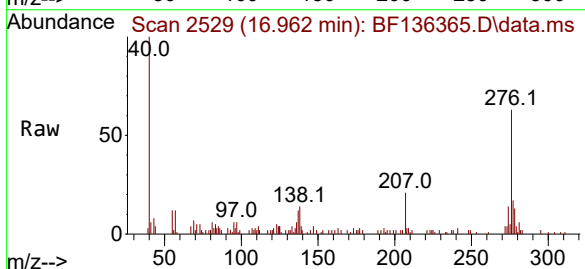
Tgt Ion:276 Resp: 15973

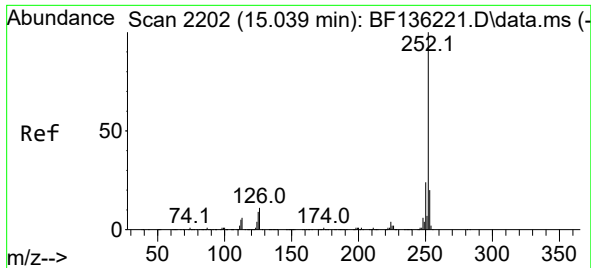
Ion Ratio Lower Upper

276 100

138 26.6 17.7 26.5#

277 28.5 19.6 29.4

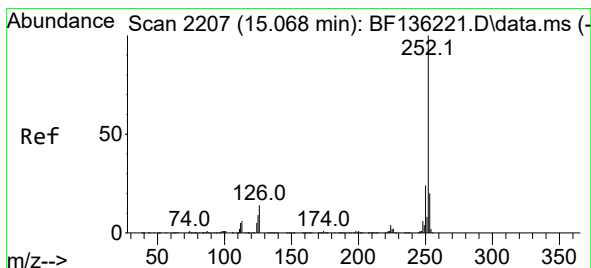
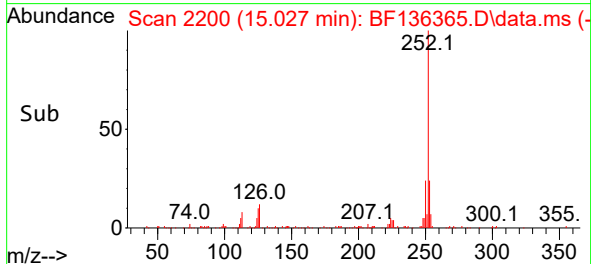
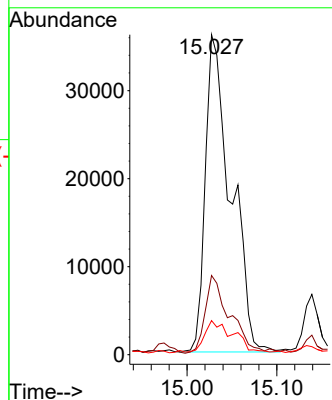
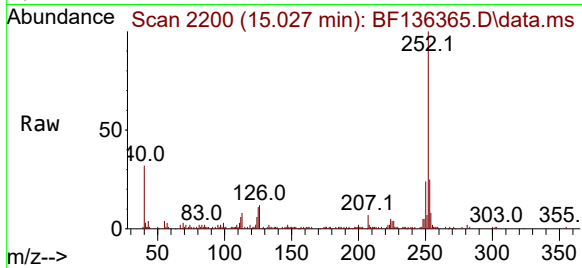




#88
Benzo(b)fluoranthene
Concen: 5.060 ng
RT: 15.027 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20

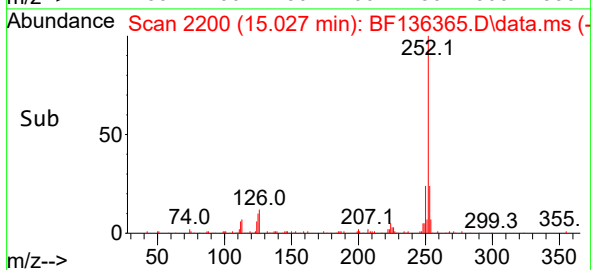
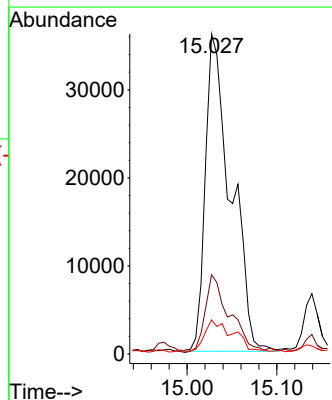
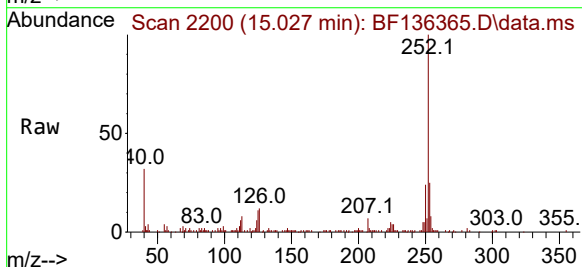
Instrument :
BNA_F
ClientSampleId :
SP-3-COMP

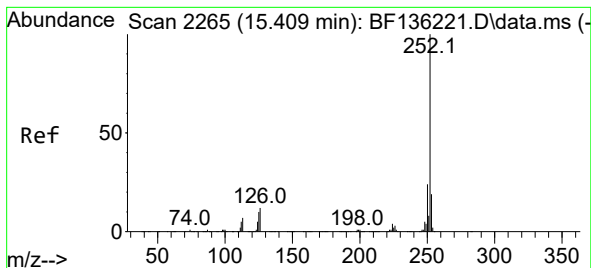
Tgt Ion:252 Resp: 71148
Ion Ratio Lower Upper
252 100
253 24.8 16.2 24.2#
125 10.7 6.9 10.3#



#89
Benzo(k)fluoranthene
Concen: 5.327 ng
RT: 15.027 min Scan# 2200
Delta R.T. -0.041 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20

Tgt Ion:252 Resp: 71148
Ion Ratio Lower Upper
252 100
253 24.8 15.6 23.4#
125 10.7 7.0 10.4#





#90

Benzo(a)pyrene

Concen: 2.759 ng

RT: 15.398 min Scan# 21

Delta R.T. -0.011 min

Lab File: BF136365.D

Acq: 02 Dec 2023 07:20

Instrument :

BNA_F

ClientSampleId :

SP-3-COMP

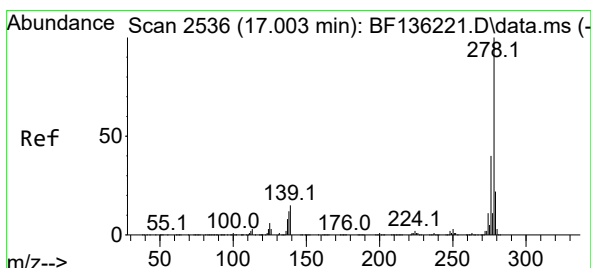
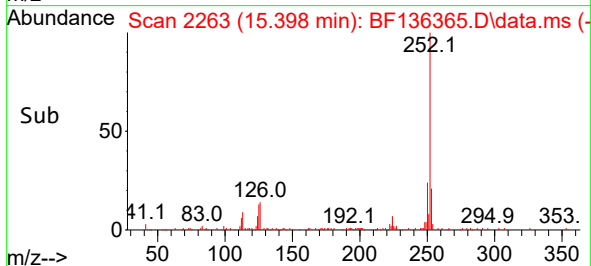
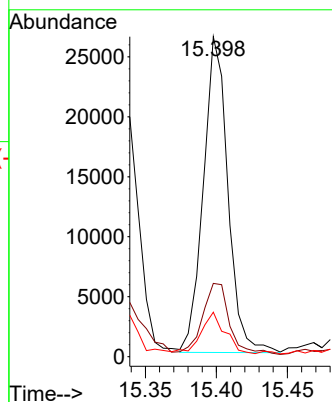
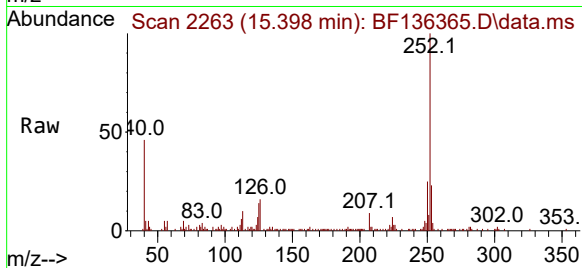
Tgt Ion:252 Resp: 31715

Ion Ratio Lower Upper

252 100

253 22.9 15.5 23.3

125 13.9 7.9 11.9#



#91

Dibenzo(a,h)anthracene

Concen: 3.144 ng

RT: 16.980 min Scan# 2532

Delta R.T. -0.023 min

Lab File: BF136365.D

Acq: 02 Dec 2023 07:20

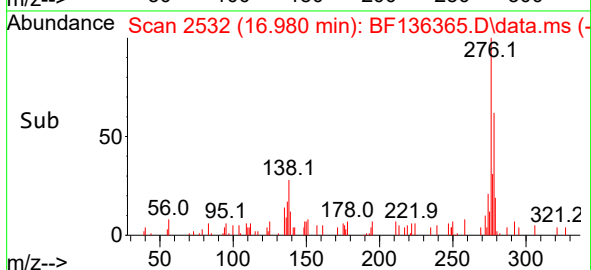
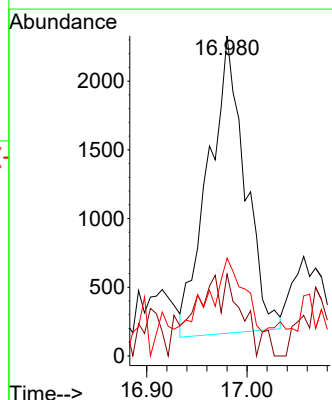
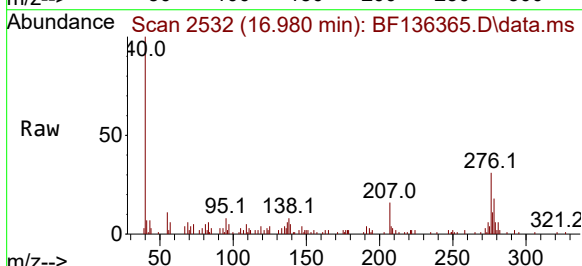
Tgt Ion:278 Resp: 5486

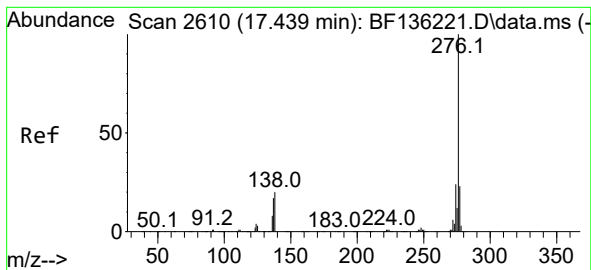
Ion Ratio Lower Upper

278 100

139 25.5 11.7 17.5#

279 30.6 17.8 26.8#





#92

Benzo(g,h,i)perylene

Concen: 3.140 ng

RT: 17.421 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF136365.D

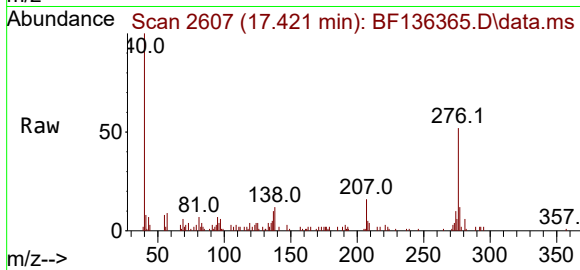
Acq: 02 Dec 2023 07:20

Instrument :

BNA_F

ClientSampleId :

SP-3-COMP



Tgt Ion:276 Resp: 15572

Ion Ratio Lower Upper

276 100

277 22.2 18.6 27.8

138 22.2 15.8 23.8

