

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
 Data File : BF136347.D
 Acq On : 01 Dec 2023 20:09
 Operator : CG\JU
 Sample : 05525-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TWP14

Quant Time: Dec 02 00:35:20 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)

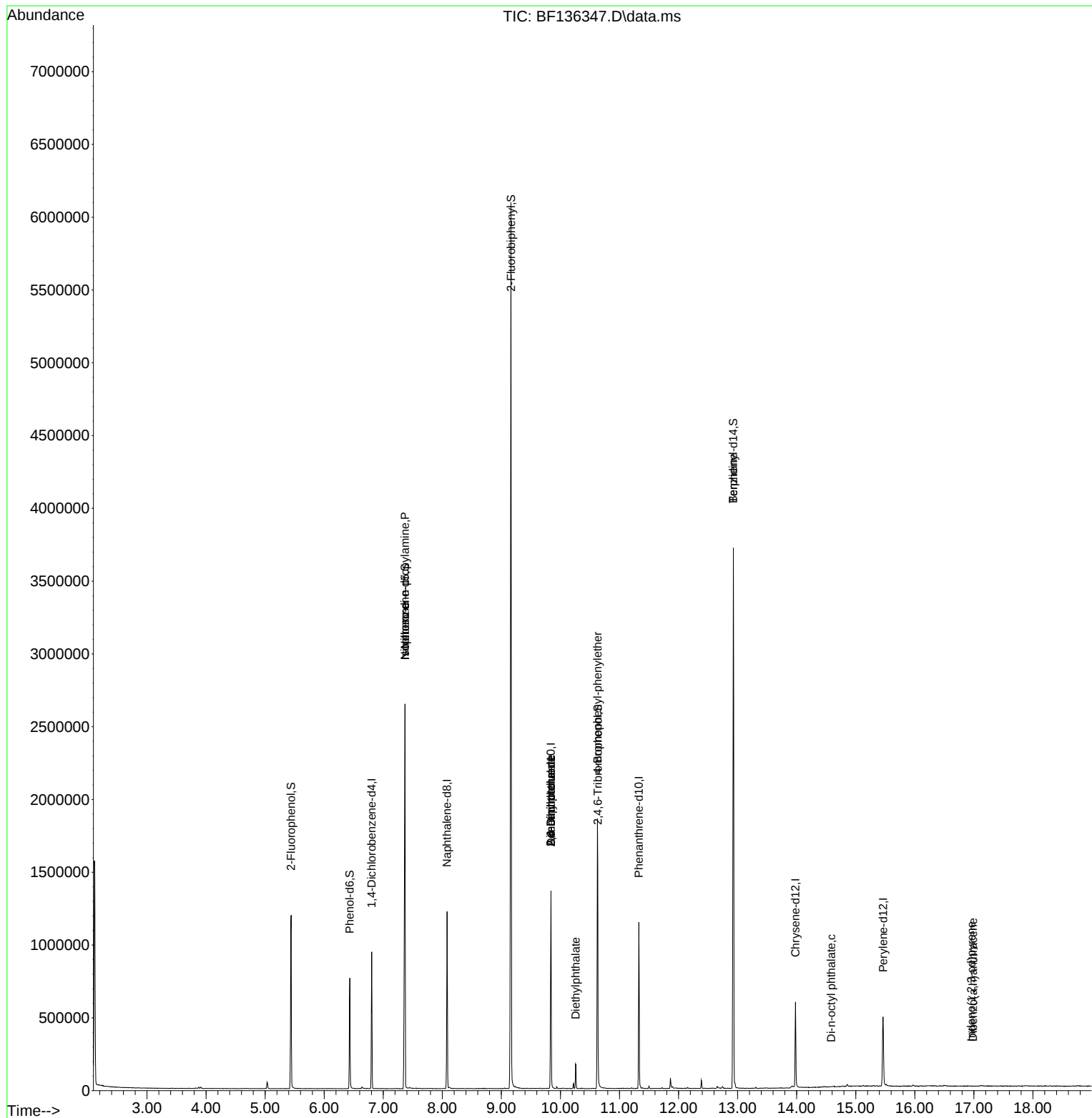
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	125753	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	513468	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	255334	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	390124	20.000	ng	0.00
76) Chrysene-d12	13.980	240	198651	20.000	ng	-0.01
86) Perylene-d12	15.462	264	244607	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	327279	36.224	ng	0.00
7) Phenol-d6	6.434	99	247369	21.897	ng	-0.01
23) Nitrobenzene-d5	7.369	82	926757	95.377	ng	0.00
42) 2,4,6-Tribromophenol	10.633	330	247873	79.404	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	1897818	94.938	ng	0.00
79) Terphenyl-d14	12.927	244	1400373	81.314	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.369	70	122551	18.138	ng	# 72
25) Isophorone	7.369	82	925377	52.816	ng	# 68
50) Dimethylphthalate	9.839	163	52545	2.723	ng	# 1
51) 2,6-Dinitrotoluene	9.839	165	32261	8.183	ng	# 25
57) 2,4-Dinitrotoluene	9.839	165	32261	6.126	ng	# 28
60) Diethylphthalate	10.257	149	61089	3.164	ng	# 97
67) 4-Bromophenyl-phenylether	10.627	248	14632	3.215	ng	# 1
77) Benzidine	12.927	184	15951	4.885	ng	# 91
85) Di-n-octyl phthalate	14.586	149	136	5.172	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.956	276	248	2.692	ng	# 70
91) Dibenzo(a,h)anthracene	16.986	278	66	2.718	ng	# 1

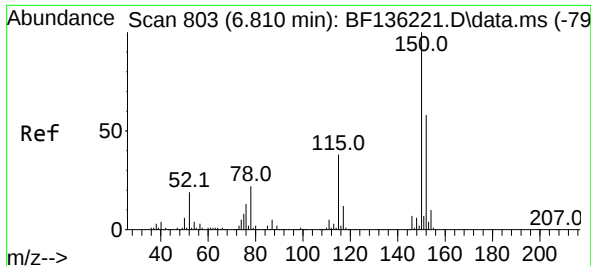
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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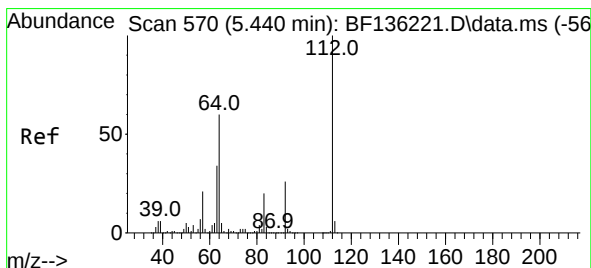
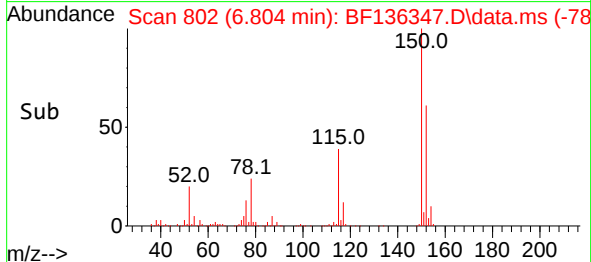
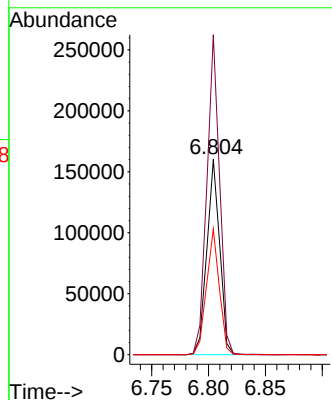
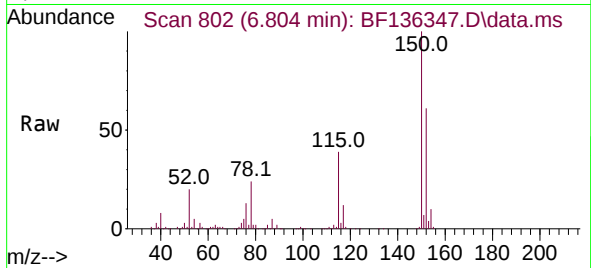




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136347.D
Acq: 01 Dec 2023 20:09

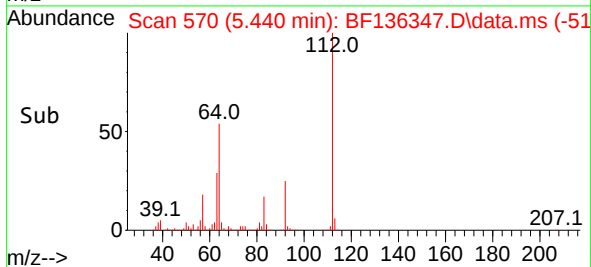
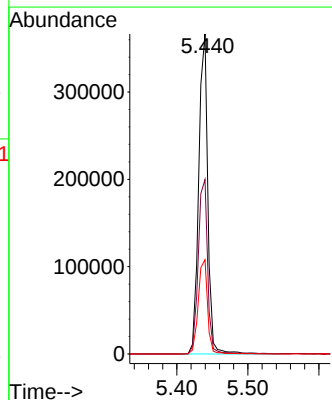
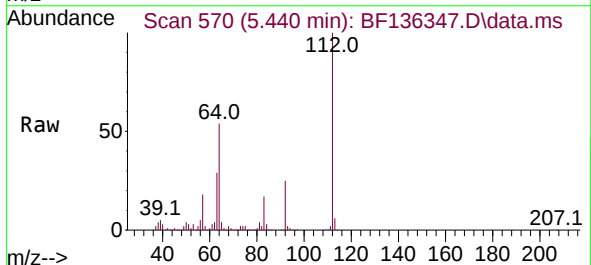
Instrument :
BNA_F
ClientSampleId :
TWP14

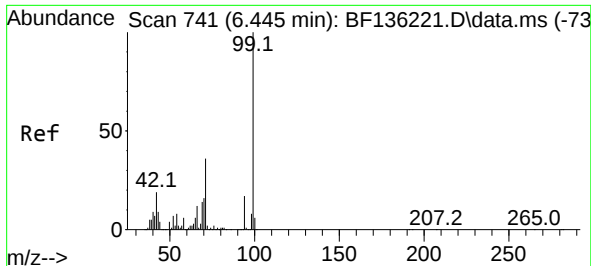
Tgt Ion:152 Resp: 125753
Ion Ratio Lower Upper
152 100
150 163.8 137.8 206.8
115 64.3 52.7 79.1



#5
2-Fluorophenol
Concen: 36.224 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.000 min
Lab File: BF136347.D
Acq: 01 Dec 2023 20:09

Tgt Ion:112 Resp: 327279
Ion Ratio Lower Upper
112 100
64 54.5 48.2 72.4
63 29.5 27.0 40.6

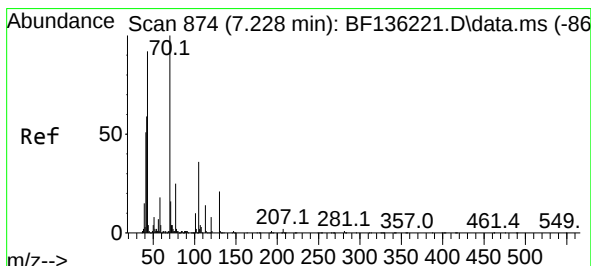
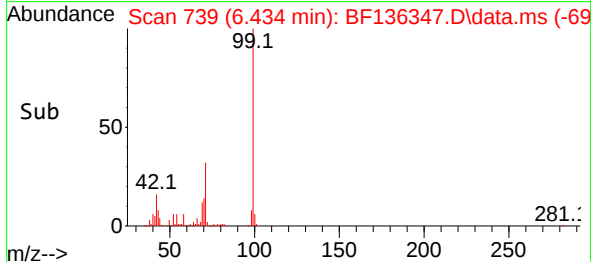
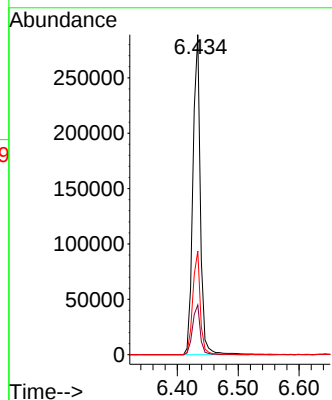
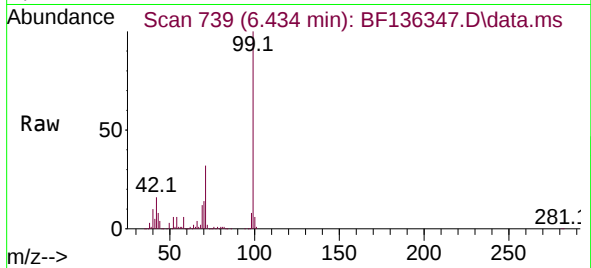




#7
Phenol-d6
Concen: 21.897 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136347.D
Acq: 01 Dec 2023 20:09

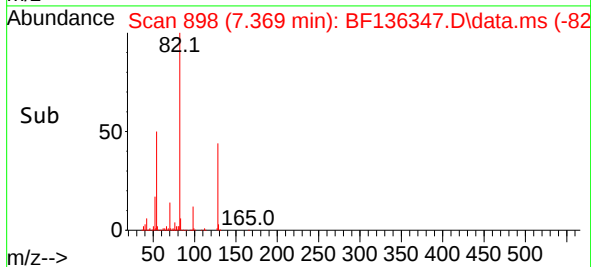
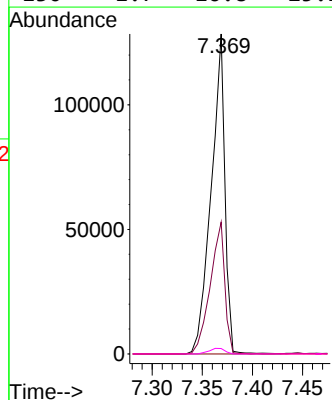
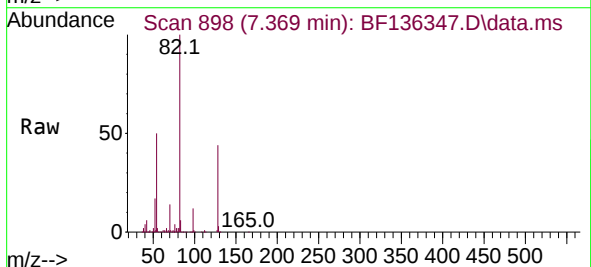
Instrument :
BNA_F
ClientSampleId :
TWP14

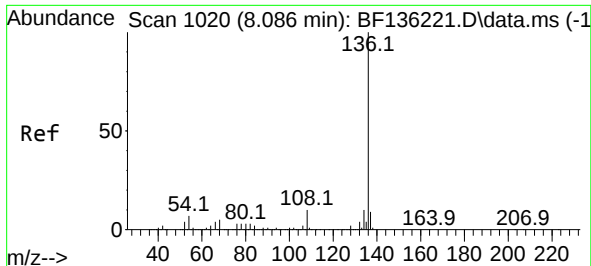
Tgt Ion: 99 Resp: 247369
Ion Ratio Lower Upper
99 100
42 15.6 15.0 22.6
71 32.4 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 18.138 ng
RT: 7.369 min Scan# 898
Delta R.T. 0.141 min
Lab File: BF136347.D
Acq: 01 Dec 2023 20:09

Tgt Ion: 70 Resp: 122551
Ion Ratio Lower Upper
70 100
42 41.2 47.0 70.4#
101 0.0 7.8 11.8#
130 1.7 16.8 25.2#



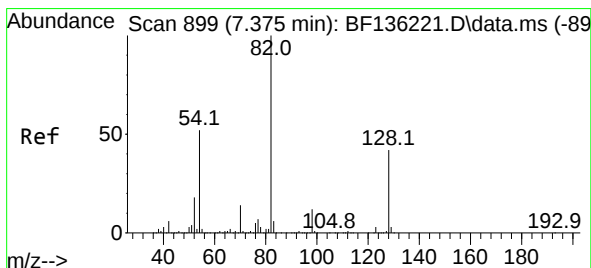
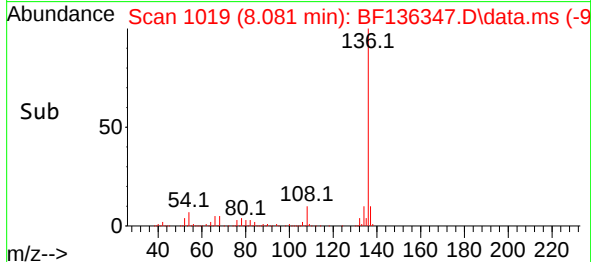
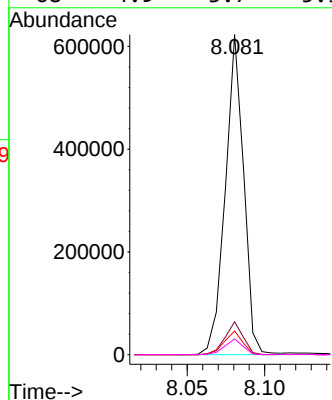
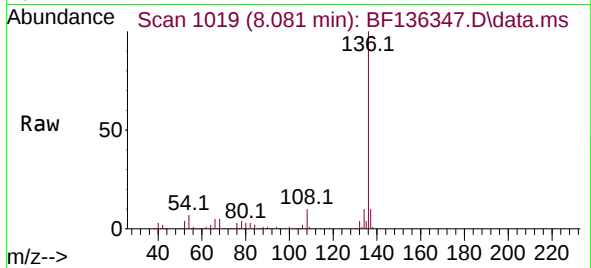


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136347.D
Acq: 01 Dec 2023 20:09

Instrument :
BNA_F
ClientSampleId :
TWP14

Tgt Ion:136 Resp: 513468

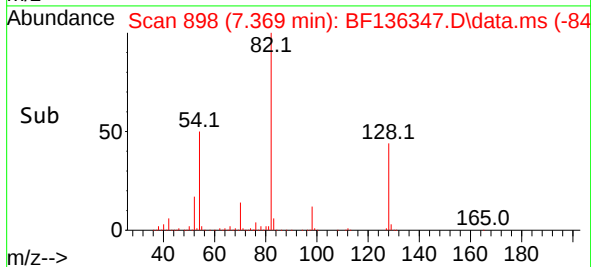
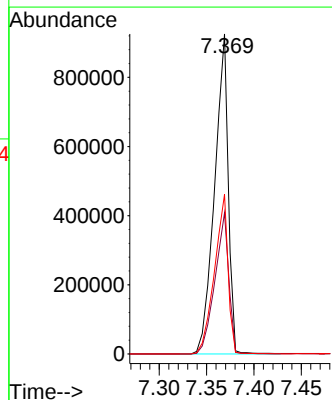
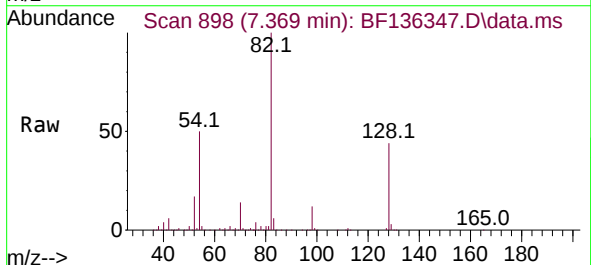
Ion	Ratio	Lower	Upper
136	100		
137	10.3	7.4	11.2
54	7.4	5.5	8.3
68	4.9	3.7	5.5

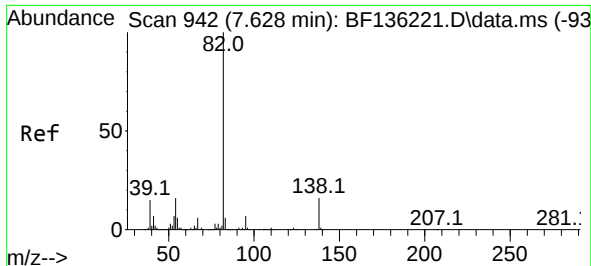


#23
Nitrobenzene-d5
Concen: 95.377 ng
RT: 7.369 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF136347.D
Acq: 01 Dec 2023 20:09

Tgt Ion: 82 Resp: 926757

Ion	Ratio	Lower	Upper
82	100		
128	44.1	33.4	50.2
54	49.9	41.7	62.5

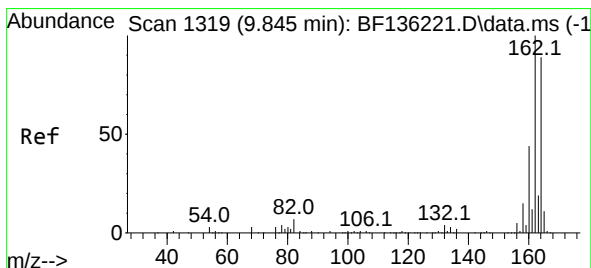
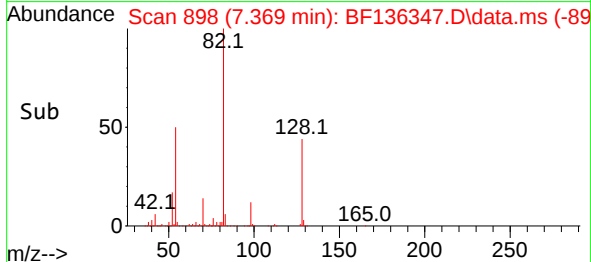
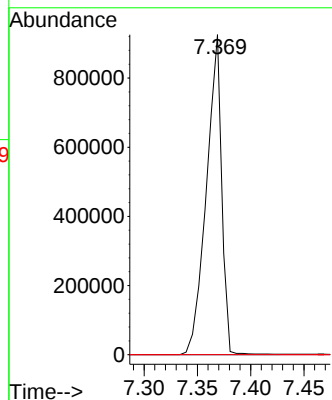
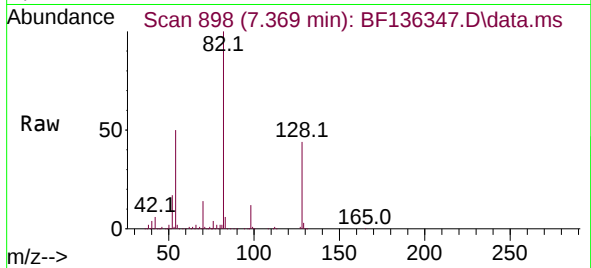




#25
Isophorone
Concen: 52.816 ng
RT: 7.369 min Scan# 89
Delta R.T. -0.259 min
Lab File: BF136347.D
Acq: 01 Dec 2023 20:09

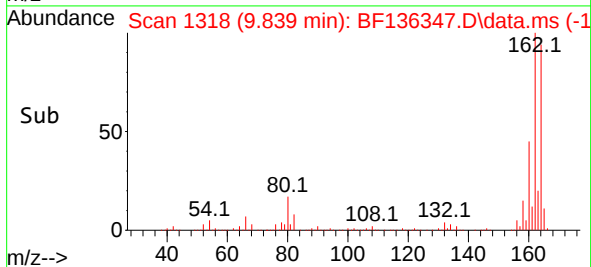
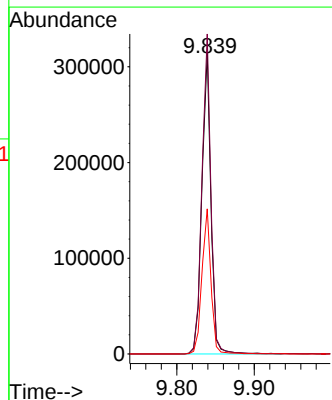
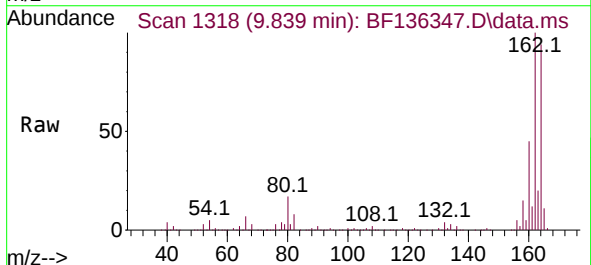
Instrument :
BNA_F
ClientSampleId :
TWP14

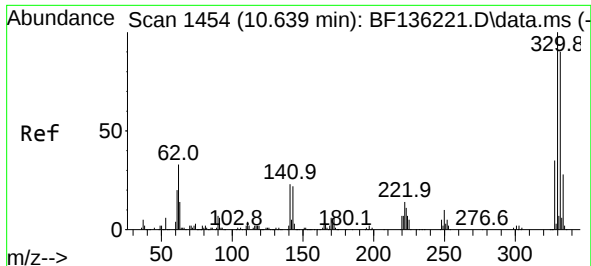
Tgt Ion: 82 Resp: 925377
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF136347.D
Acq: 01 Dec 2023 20:09

Tgt Ion:164 Resp: 255334
Ion Ratio Lower Upper
164 100
162 106.2 89.5 134.3
160 48.2 39.6 59.4





#42

2,4,6-Tribromophenol

Concen: 79.404 ng

RT: 10.633 min Scan# 1454

Delta R.T. -0.006 min

Lab File: BF136347.D

Acq: 01 Dec 2023 20:09

Instrument :

BNA_F

ClientSampleId :

TWP14

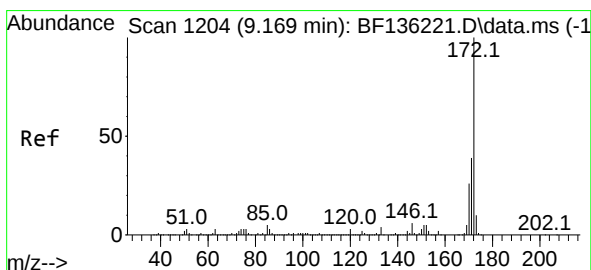
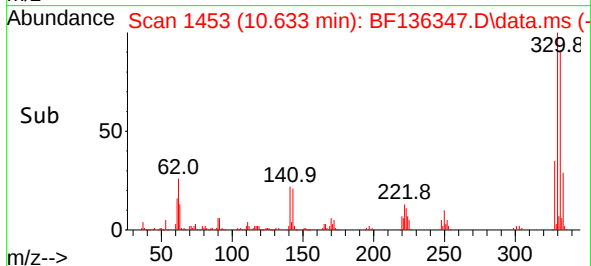
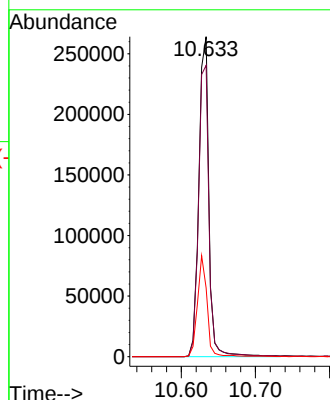
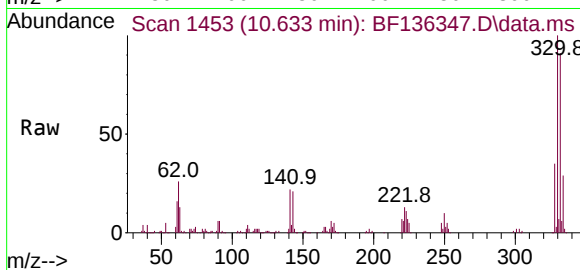
Tgt Ion:330 Resp: 247873

Ion Ratio Lower Upper

330 100

332 95.5 73.0 109.6

141 30.0 24.2 36.2



#45

2-Fluorobiphenyl

Concen: 94.938 ng

RT: 9.163 min Scan# 1203

Delta R.T. -0.006 min

Lab File: BF136347.D

Acq: 01 Dec 2023 20:09

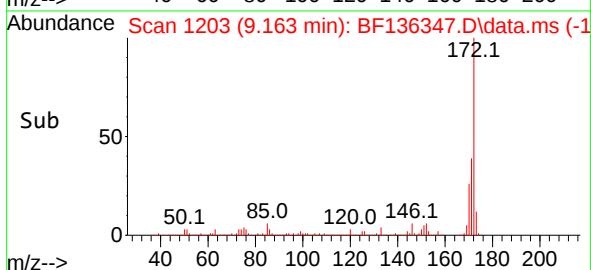
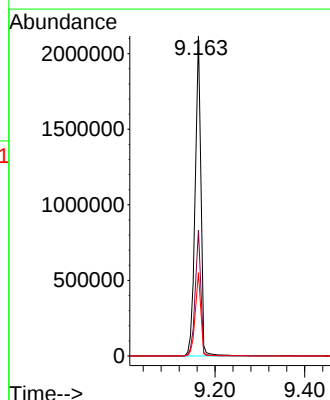
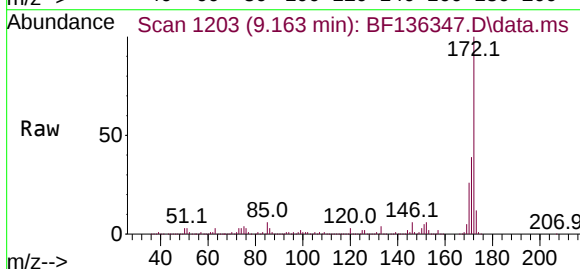
Tgt Ion:172 Resp: 1897818

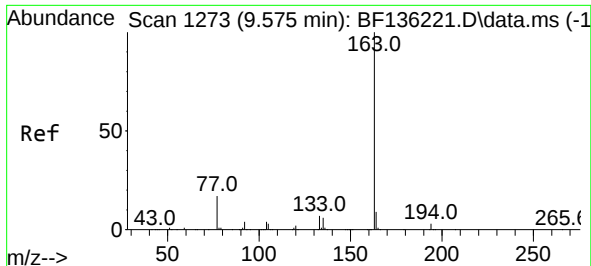
Ion Ratio Lower Upper

172 100

171 39.4 31.5 47.3

170 26.0 20.8 31.2

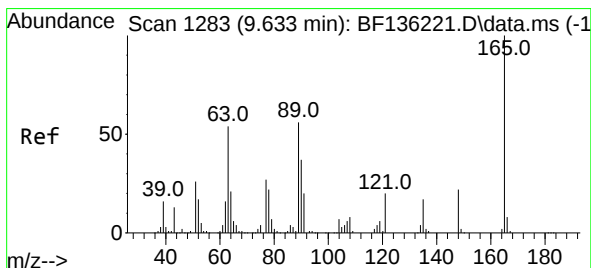
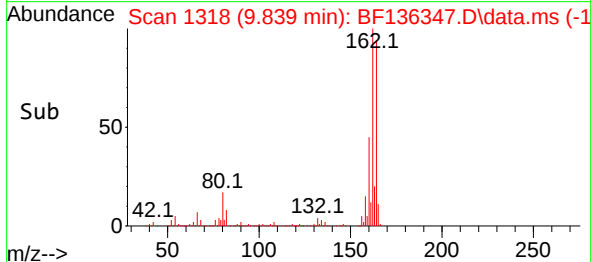
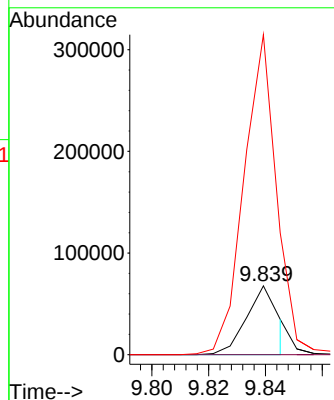
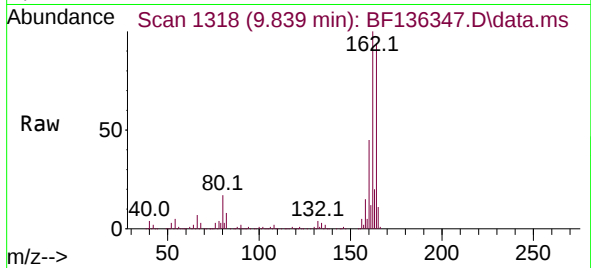




#50
Dimethylphthalate
Concen: 2.723 ng
RT: 9.839 min Scan# 1318
Delta R.T. 0.265 min
Lab File: BF136347.D
Acq: 01 Dec 2023 20:09

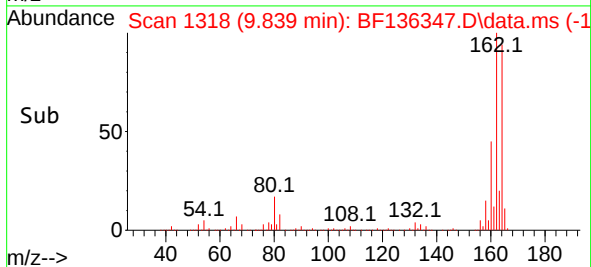
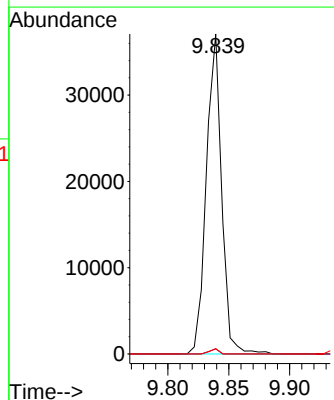
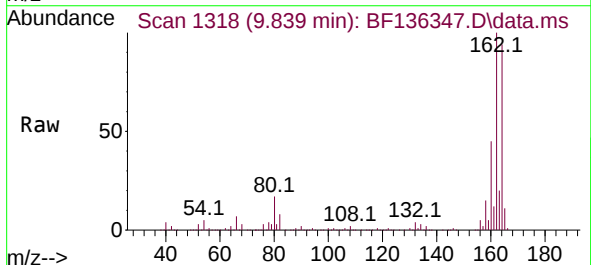
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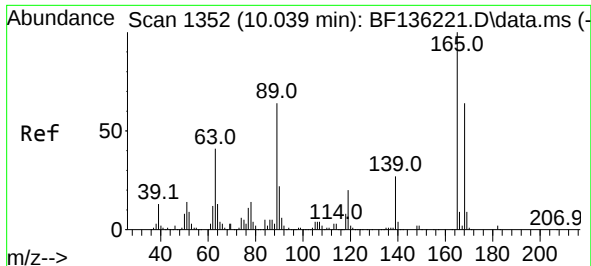
Tgt Ion:163 Resp: 52545
Ion Ratio Lower Upper
163 100
194 0.0 2.5 3.7#
164 464.8 7.0 10.6#



#51
2,6-Dinitrotoluene
Concen: 8.183 ng
RT: 9.839 min Scan# 1318
Delta R.T. 0.206 min
Lab File: BF136347.D
Acq: 01 Dec 2023 20:09

Tgt Ion:165 Resp: 32261
Ion Ratio Lower Upper
165 100
63 1.6 46.2 69.2#
89 1.7 44.9 67.3#

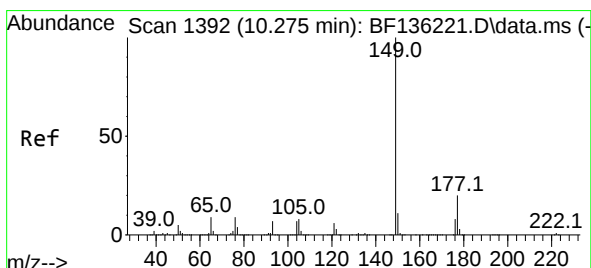
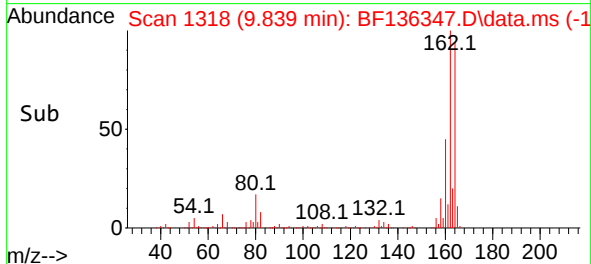
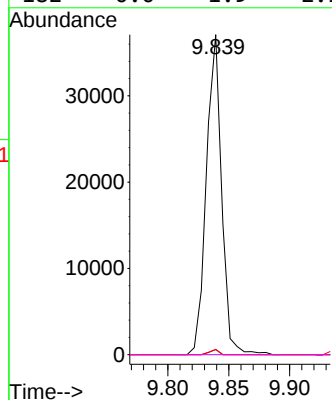
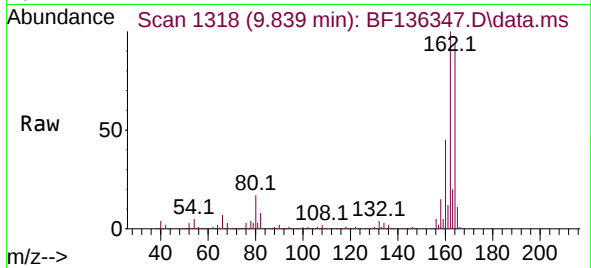




#57
2,4-Dinitrotoluene
Concen: 6.126 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.200 min
Lab File: BF136347.D
Acq: 01 Dec 2023 20:09

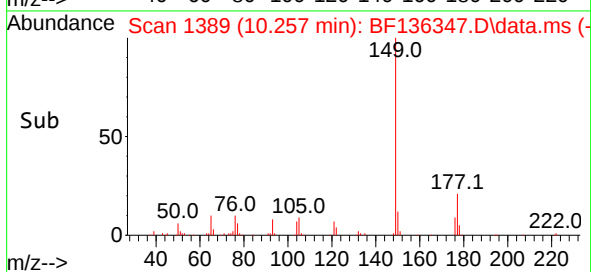
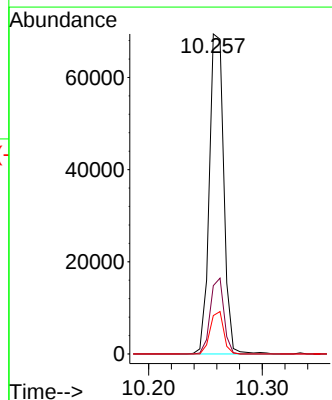
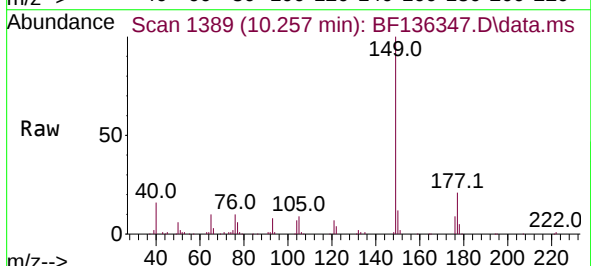
Instrument :
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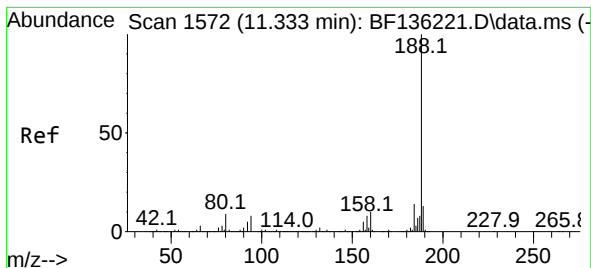
Tgt Ion:165 Resp: 32261
Ion Ratio Lower Upper
165 100
63 1.6 33.0 49.4#
89 1.7 51.5 77.3#
182 0.0 1.9 2.9#



#60
Diethylphthalate
Concen: 3.164 ng
RT: 10.257 min Scan# 1389
Delta R.T. -0.018 min
Lab File: BF136347.D
Acq: 01 Dec 2023 20:09

Tgt Ion:149 Resp: 61089
Ion Ratio Lower Upper
149 100
177 21.3 15.8 23.6
150 12.0 8.8 13.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.327 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136347.D

Acq: 01 Dec 2023 20:09

Instrument :

BNA_F

ClientSampleId :

TWP14

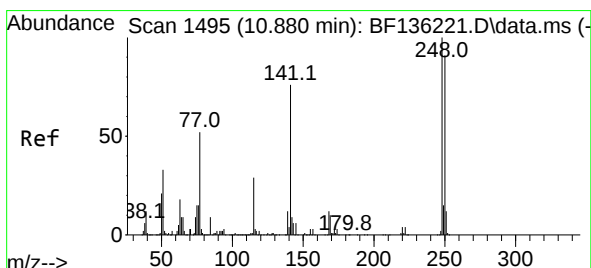
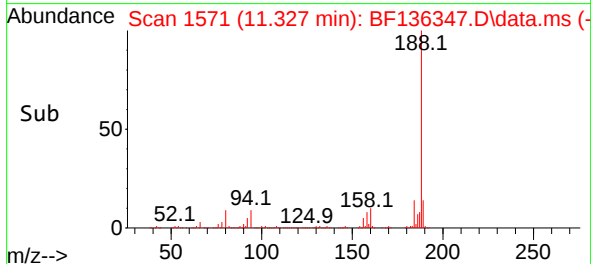
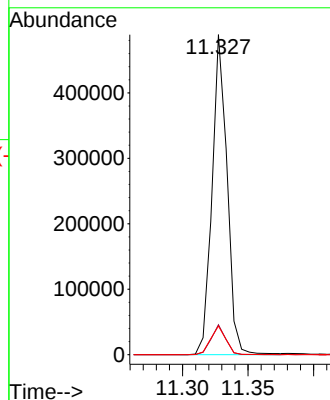
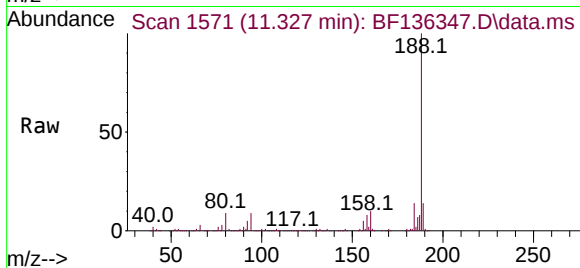
Tgt Ion:188 Resp: 390124

Ion Ratio Lower Upper

188 100

94 9.4 6.7 10.1

80 8.9 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 3.215 ng

RT: 10.627 min Scan# 1452

Delta R.T. -0.253 min

Lab File: BF136347.D

Acq: 01 Dec 2023 20:09

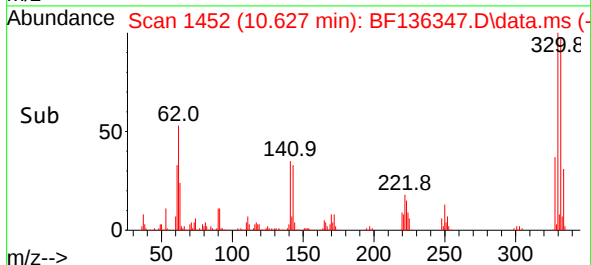
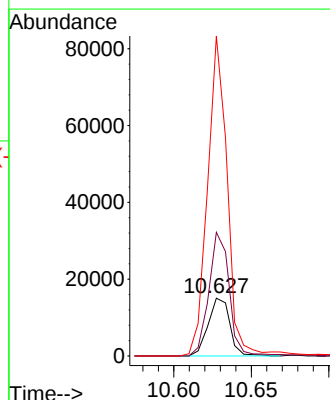
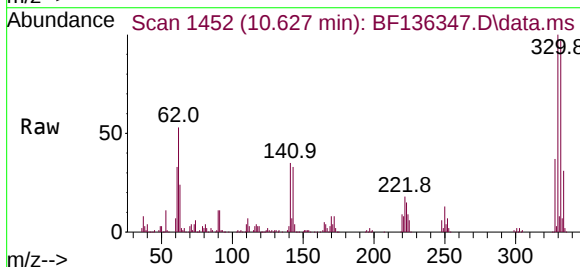
Tgt Ion:248 Resp: 14632

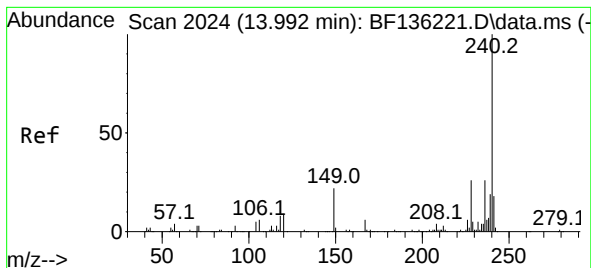
Ion Ratio Lower Upper

248 100

250 214.0 72.5 108.7#

141 553.6 60.8 91.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136347.D

Acq: 01 Dec 2023 20:09

Instrument :

BNA_F

ClientSampleId :

TWP14

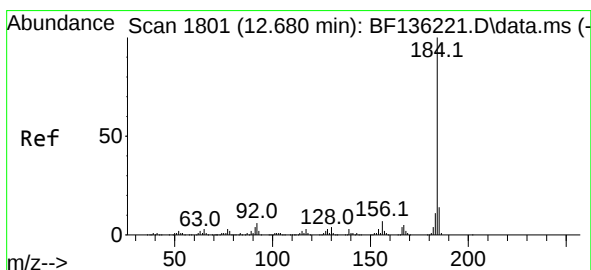
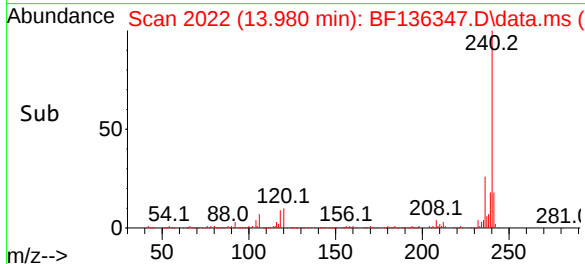
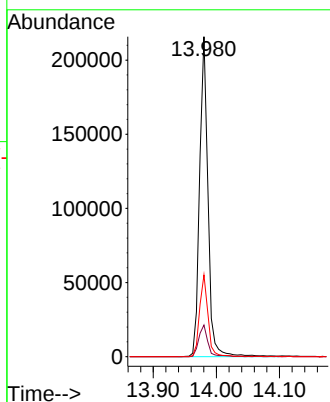
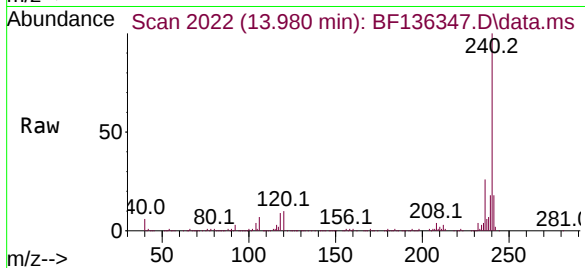
Tgt Ion:240 Resp: 198651

Ion Ratio Lower Upper

240 100

120 9.9 7.4 11.2

236 25.6 21.1 31.7



#77

Benzdine

Concen: 4.885 ng

RT: 12.927 min Scan# 1843

Delta R.T. 0.247 min

Lab File: BF136347.D

Acq: 01 Dec 2023 20:09

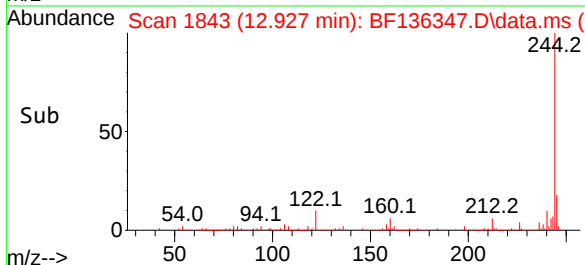
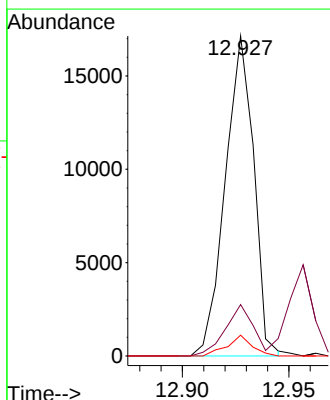
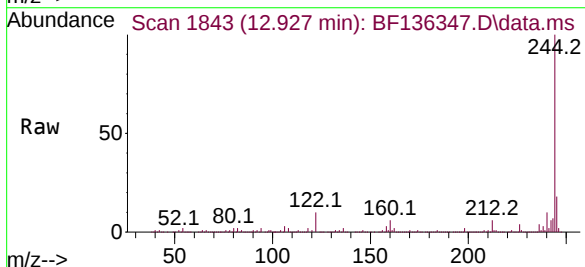
Tgt Ion:184 Resp: 15951

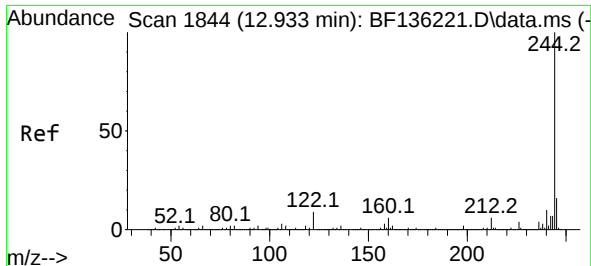
Ion Ratio Lower Upper

184 100

185 16.1 11.0 16.6

183 6.5 9.0 13.4#





#79

Terphenyl-d14

Concen: 81.314 ng

RT: 12.927 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136347.D

Acq: 01 Dec 2023 20:09

Instrument :

BNA_F

ClientSampleId :

TWP14

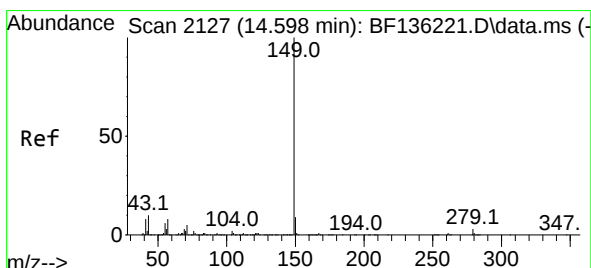
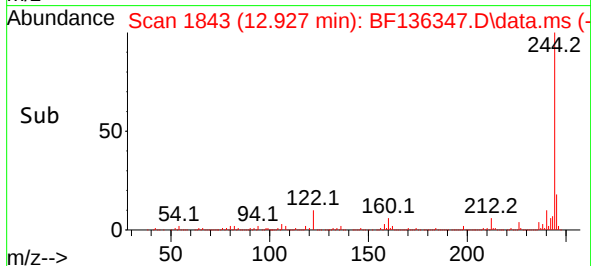
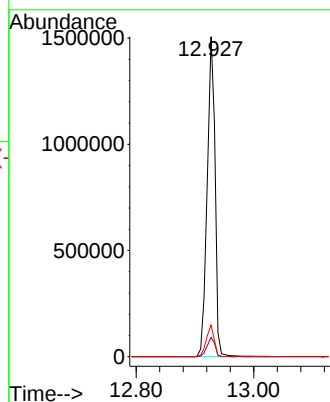
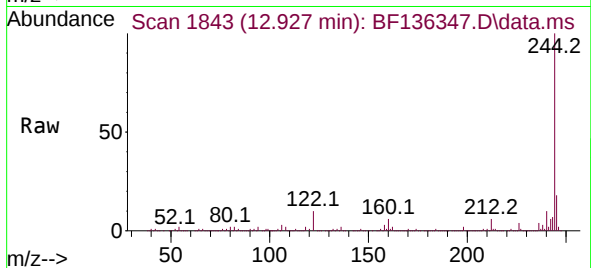
Tgt Ion:244 Resp: 1400373

Ion Ratio Lower Upper

244 100

212 6.0 4.6 7.0

122 9.8 7.3 10.9



#85

Di-n-octyl phthalate

Concen: 5.172 ng

RT: 14.586 min Scan# 2125

Delta R.T. -0.012 min

Lab File: BF136347.D

Acq: 01 Dec 2023 20:09

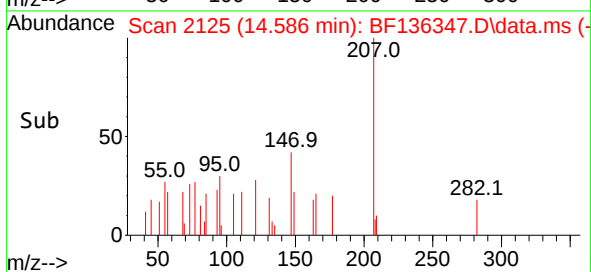
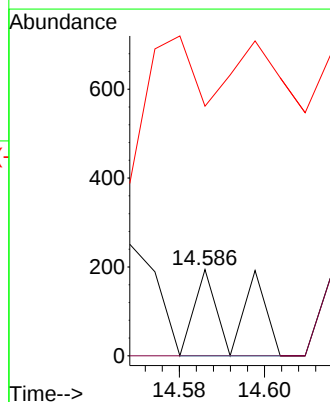
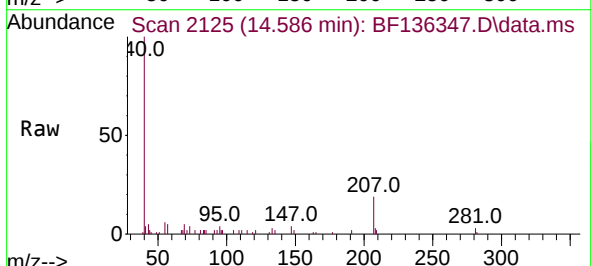
Tgt Ion:149 Resp: 136

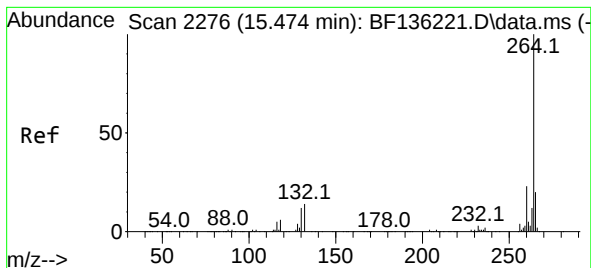
Ion Ratio Lower Upper

149 100

167 0.0 1.0 1.6#

43 210.3 7.2 10.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.462 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF136347.D

Acq: 01 Dec 2023 20:09

Instrument :

BNA_F

ClientSampleId :

TWP14

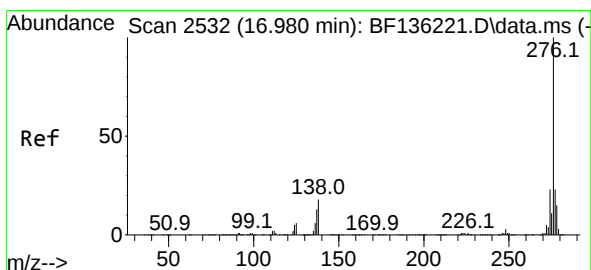
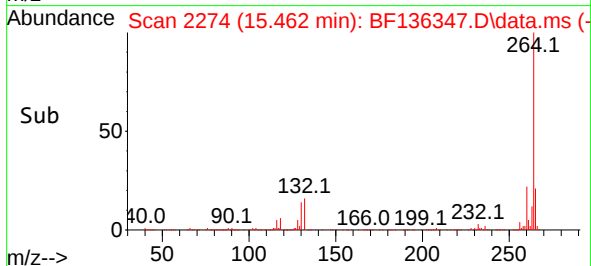
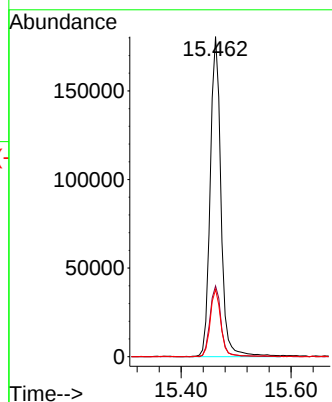
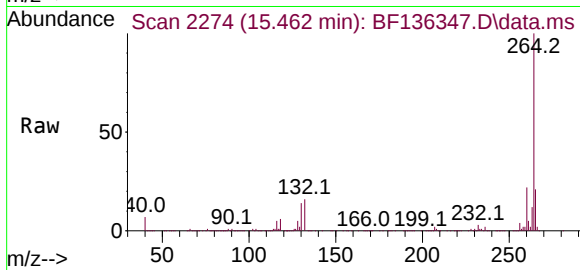
Tgt Ion:264 Resp: 244607

Ion Ratio Lower Upper

264 100

260 22.1 18.6 27.8

265 21.0 15.7 23.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.692 ng

RT: 16.956 min Scan# 2528

Delta R.T. -0.024 min

Lab File: BF136347.D

Acq: 01 Dec 2023 20:09

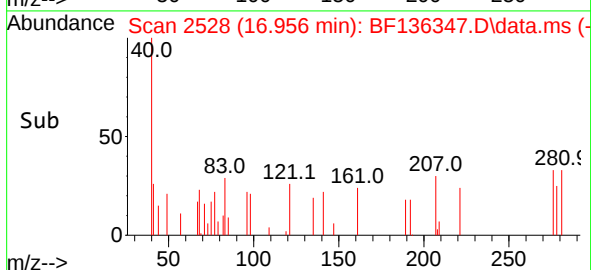
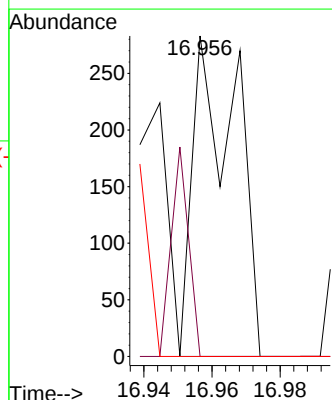
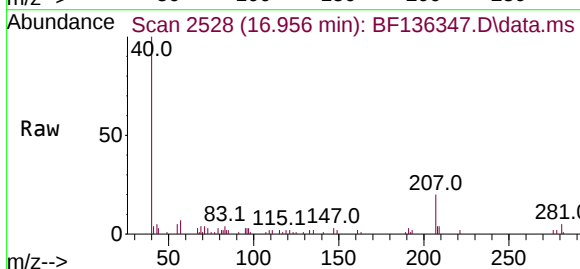
Tgt Ion:276 Resp: 248

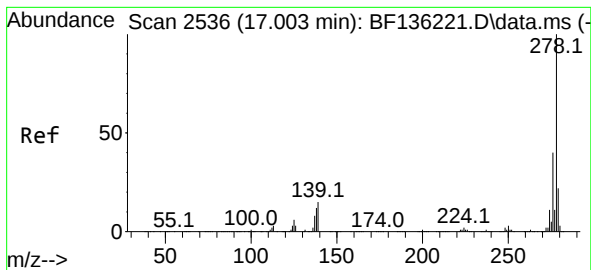
Ion Ratio Lower Upper

276 100

138 26.2 17.7 26.5

277 0.0 19.6 29.4#





#91
 Dibenzo(a,h)anthracene
 Concen: 2.718 ng
 RT: 16.986 min Scan# 21
 Delta R.T. -0.017 min
 Lab File: BF136347.D
 Acq: 01 Dec 2023 20:09

Instrument :
 BNA_F
 ClientSampleId :
 TWP14

Tgt Ion	Ratio	Lower	Upper
278	100		
139	114.5	11.7	17.5#
279	0.0	17.8	26.8#

