

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
 Data File : BF136343.D
 Acq On : 01 Dec 2023 18:02
 Operator : CG\JU
 Sample : 05525-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TWP10

Quant Time: Dec 02 00:33:43 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)

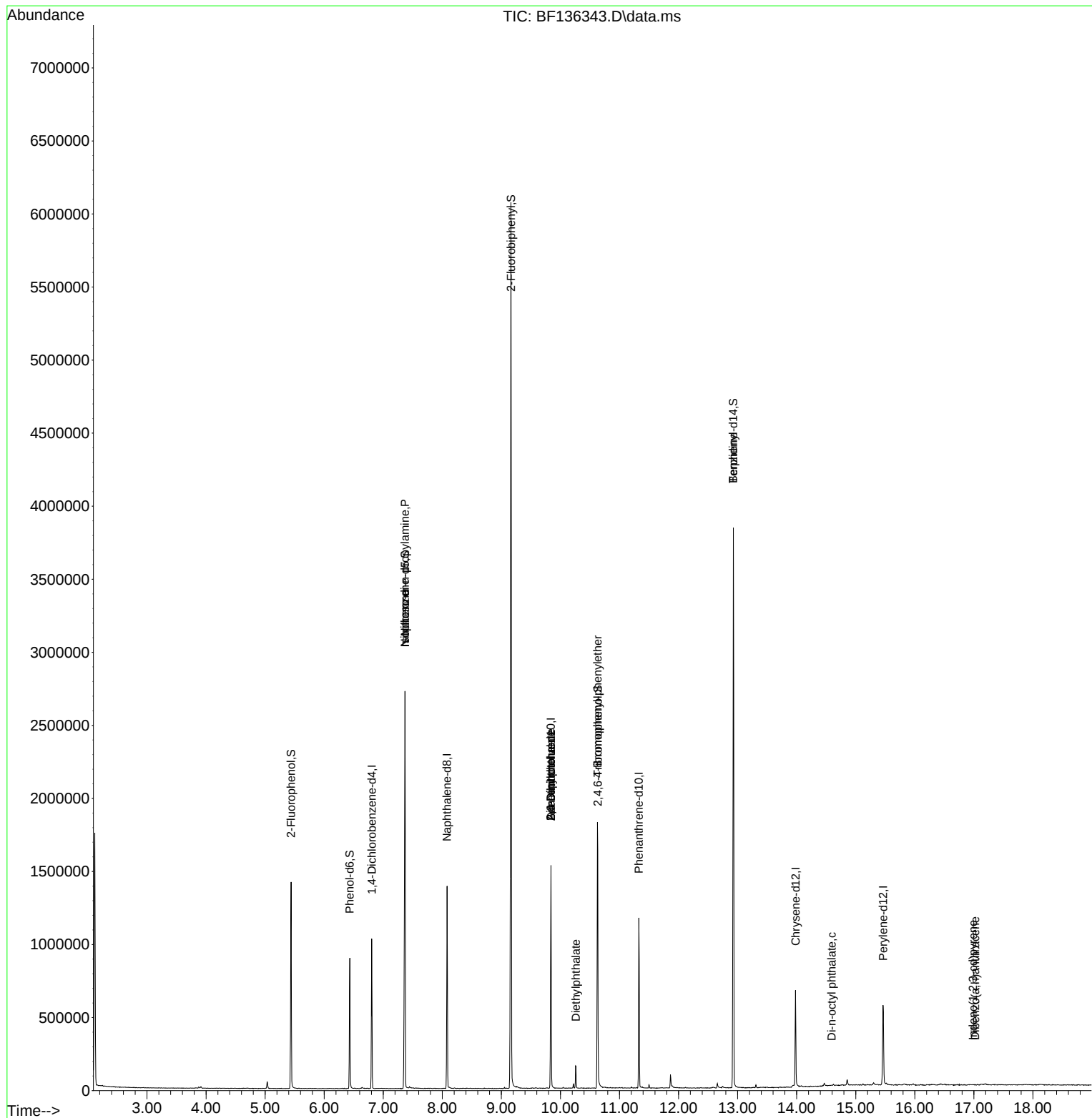
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	140044	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	567619	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	279421	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	413110	20.000	ng	0.00
76) Chrysene-d12	13.980	240	218085	20.000	ng	-0.01
86) Perylene-d12	15.462	264	268828	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	366588	36.434	ng	0.00
7) Phenol-d6	6.434	99	275610	21.907	ng	-0.01
23) Nitrobenzene-d5	7.369	82	1008352	93.874	ng	0.00
42) 2,4,6-Tribromophenol	10.633	330	254983	74.640	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	2008025	91.792	ng	0.00
79) Terphenyl-d14	12.927	244	1415526	74.870	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.369	70	132812	17.651	ng	# 73
25) Isophorone	7.369	82	1007342	52.009	ng	# 68
50) Dimethylphthalate	9.839	163	58167	2.754	ng	# 1
51) 2,6-Dinitrotoluene	9.839	165	35495	8.227	ng	# 25
57) 2,4-Dinitrotoluene	9.839	165	35495	6.159	ng	# 28
60) Diethylphthalate	10.263	149	57122	2.704	ng	# 98
67) 4-Bromophenyl-phenylether	10.628	248	14763	3.063	ng	# 1
77) Benzidine	12.927	184	15263	4.258	ng	# 94
85) Di-n-octyl phthalate	14.592	149	729	5.207	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.986	276	133	2.685	ng	# 52
91) Dibenzo(a,h)anthracene	17.021	278	154	2.722	ng	# 58

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

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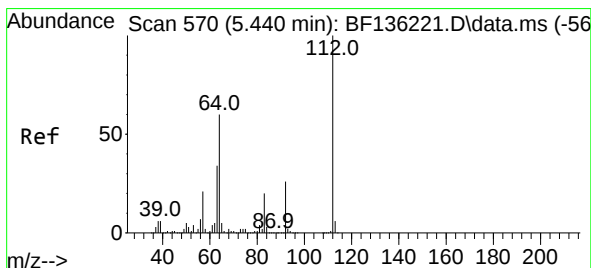
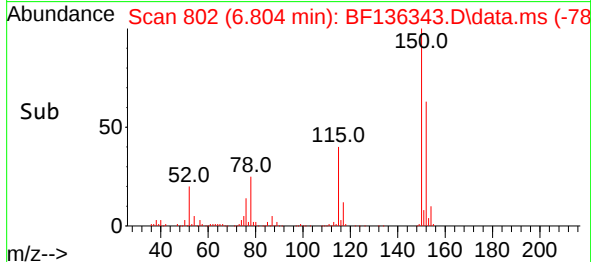
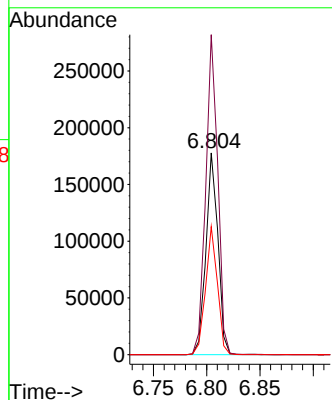
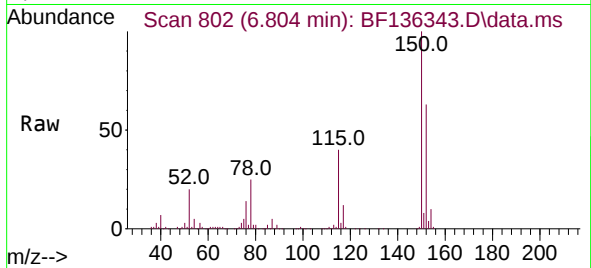




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136343.D
Acq: 01 Dec 2023 18:02

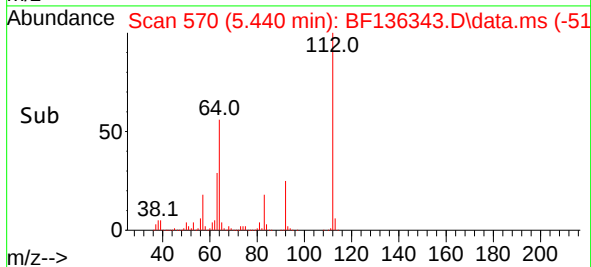
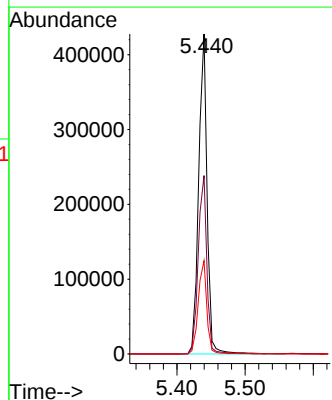
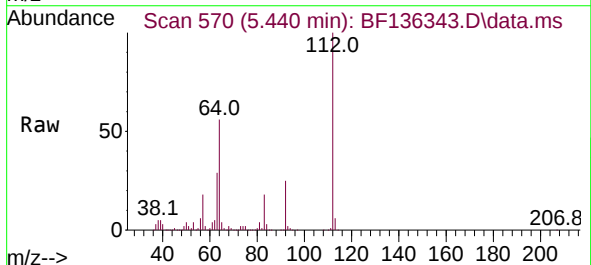
Instrument :
BNA_F
ClientSampleId :
TWP10

Tgt Ion:152 Resp: 140044
Ion Ratio Lower Upper
152 100
150 158.6 137.8 206.8
115 63.4 52.7 79.1



#5
2-Fluorophenol
Concen: 36.434 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.000 min
Lab File: BF136343.D
Acq: 01 Dec 2023 18:02

Tgt Ion:112 Resp: 366588
Ion Ratio Lower Upper
112 100
64 55.8 48.2 72.4
63 29.1 27.0 40.6





#7
Phenol-d6
Concen: 21.907 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136343.D
Acq: 01 Dec 2023 18:02

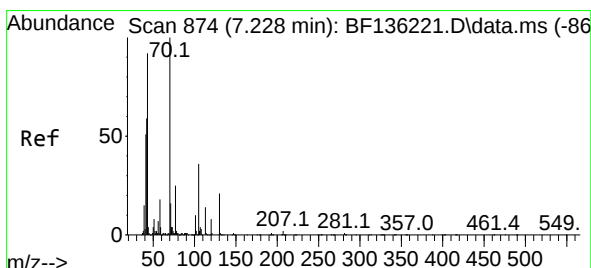
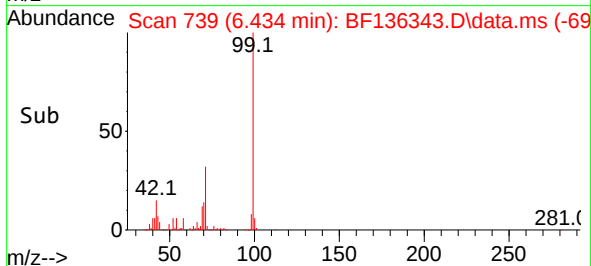
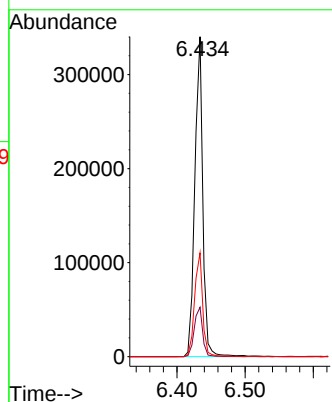
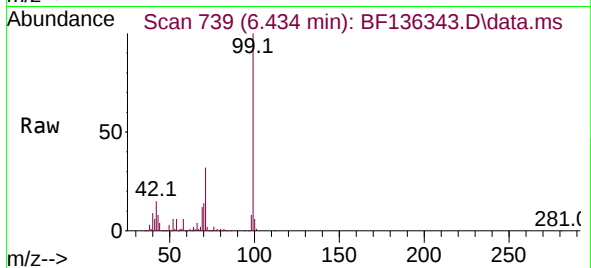
Instrument :

BNA_F

ClientSampleId :

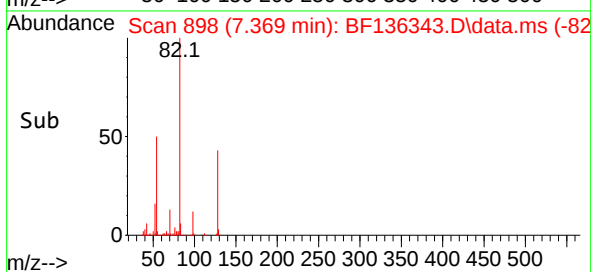
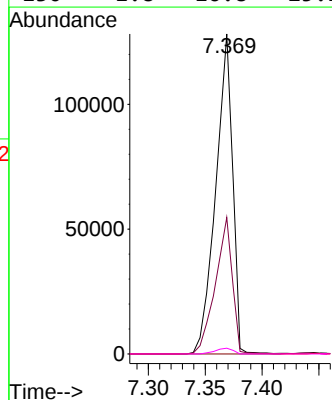
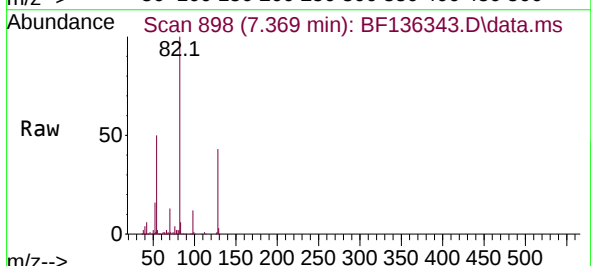
TWP10

Tgt Ion: 99 Resp: 275610
Ion Ratio Lower Upper
99 100
42 15.4 15.0 22.6
71 32.5 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 17.651 ng
RT: 7.369 min Scan# 898
Delta R.T. 0.141 min
Lab File: BF136343.D
Acq: 01 Dec 2023 18:02

Tgt Ion: 70 Resp: 132812
Ion Ratio Lower Upper
70 100
42 42.7 47.0 70.4#
101 0.0 7.8 11.8#
130 1.8 16.8 25.2#

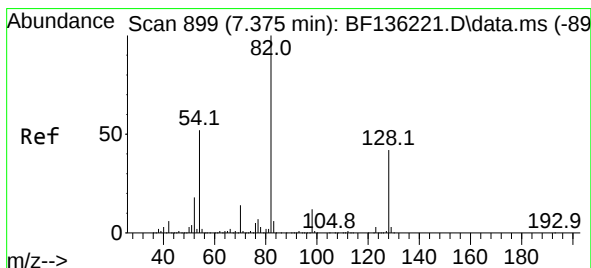
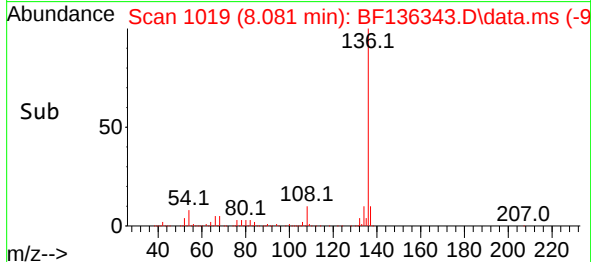
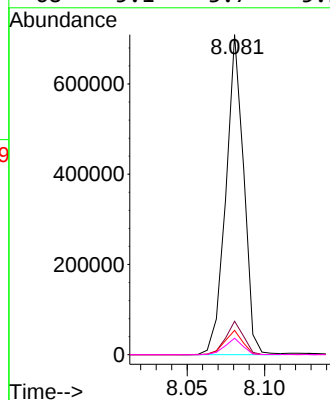
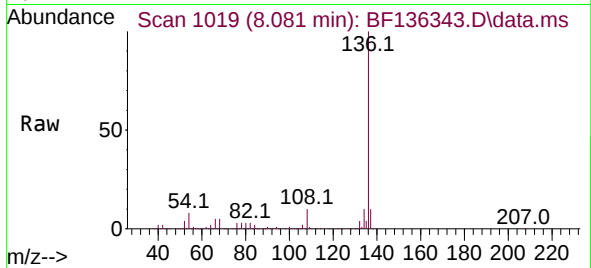




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136343.D
Acq: 01 Dec 2023 18:02

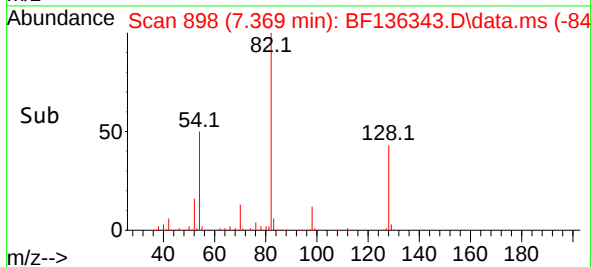
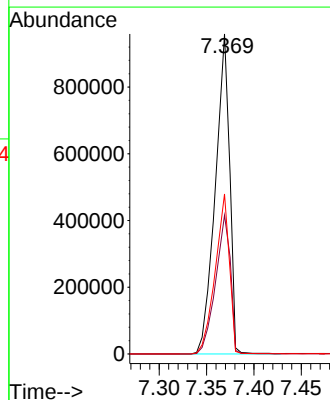
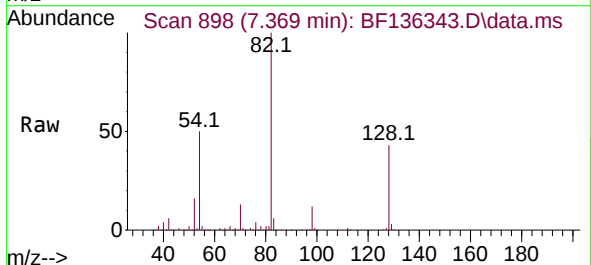
Instrument :
BNA_F
ClientSampleId :
TWP10

Tgt Ion:136 Resp: 567619
Ion Ratio Lower Upper
136 100
137 10.5 7.4 11.2
54 7.6 5.5 8.3
68 5.1 3.7 5.5



#23
Nitrobenzene-d5
Concen: 93.874 ng
RT: 7.369 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF136343.D
Acq: 01 Dec 2023 18:02

Tgt Ion: 82 Resp: 1008352
Ion Ratio Lower Upper
82 100
128 43.4 33.4 50.2
54 50.0 41.7 62.5

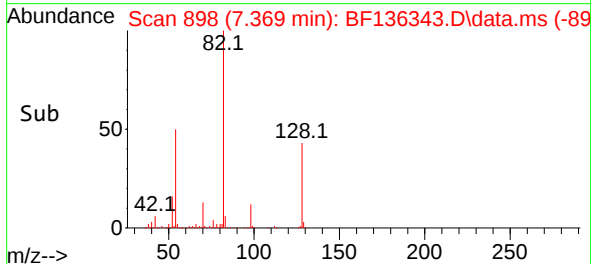
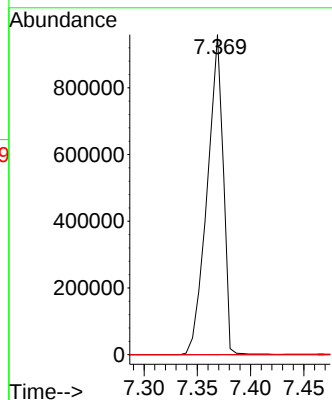
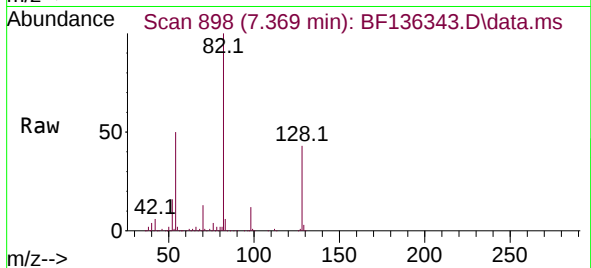




#25
Isophorone
Concen: 52.009 ng
RT: 7.369 min Scan# 89
Delta R.T. -0.259 min
Lab File: BF136343.D
Acq: 01 Dec 2023 18:02

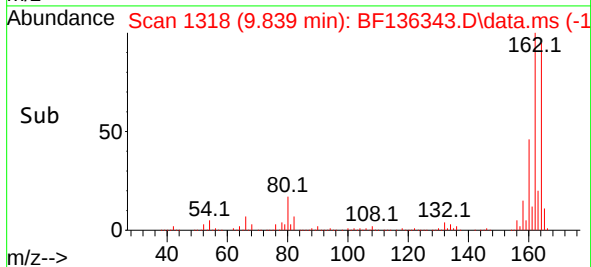
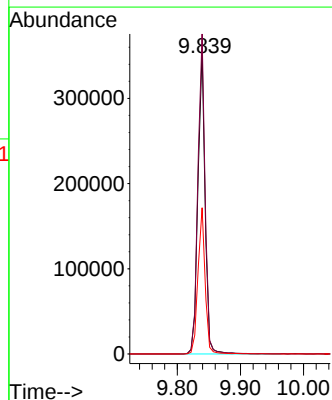
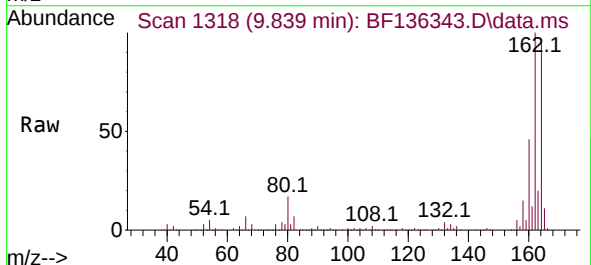
Instrument :
BNA_F
ClientSampleId :
TWP10

Tgt Ion: 82 Resp: 1007342
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: BF136343.D
Acq: 01 Dec 2023 18:02

Tgt Ion:164 Resp: 279421
Ion Ratio Lower Upper
164 100
162 105.7 89.5 134.3
160 48.3 39.6 59.4





#42

2,4,6-Tribromophenol

Concen: 74.640 ng

RT: 10.633 min Scan# 1454

Delta R.T. -0.006 min

Lab File: BF136343.D

Acq: 01 Dec 2023 18:02

Instrument :

BNA_F

ClientSampleId :

TWP10

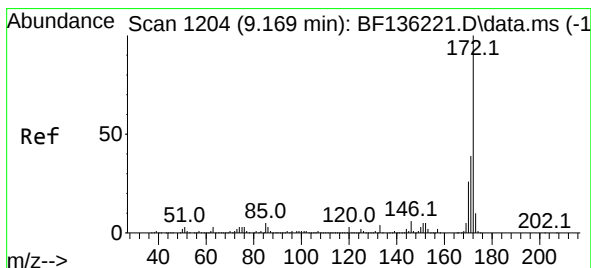
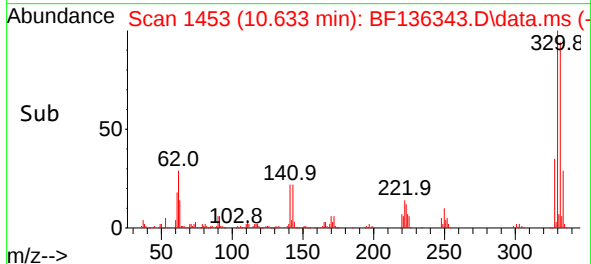
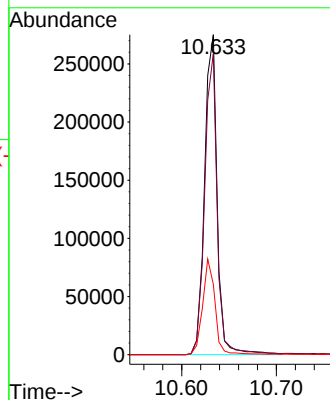
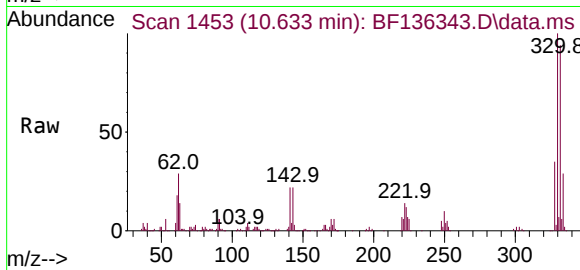
Tgt Ion:330 Resp: 254983

Ion Ratio Lower Upper

330 100

332 93.7 73.0 109.6

141 29.5 24.2 36.2



#45

2-Fluorobiphenyl

Concen: 91.792 ng

RT: 9.163 min Scan# 1203

Delta R.T. -0.006 min

Lab File: BF136343.D

Acq: 01 Dec 2023 18:02

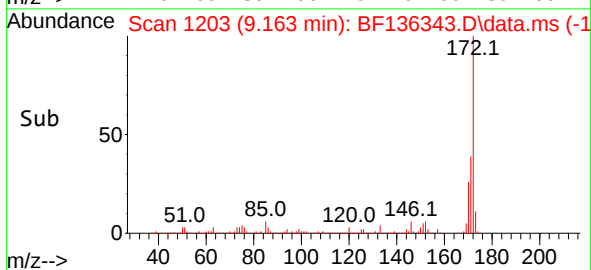
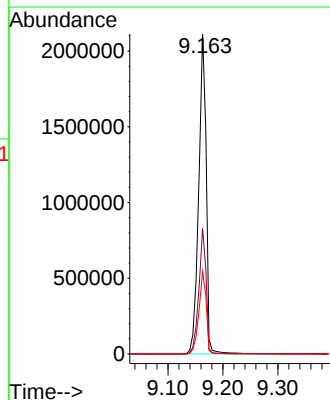
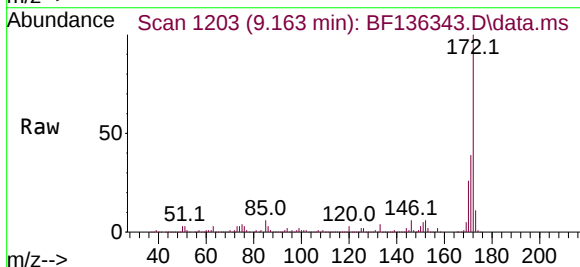
Tgt Ion:172 Resp: 2008025

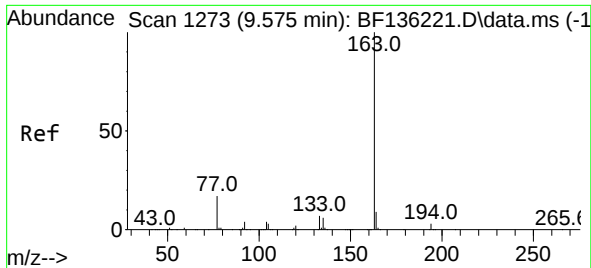
Ion Ratio Lower Upper

172 100

171 39.2 31.5 47.3

170 25.7 20.8 31.2

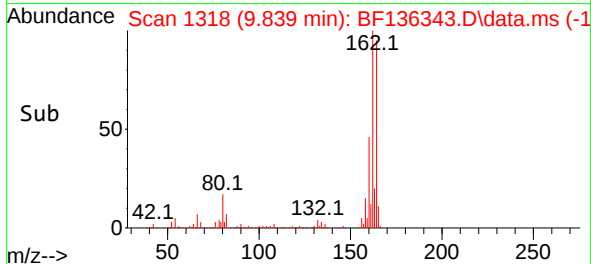
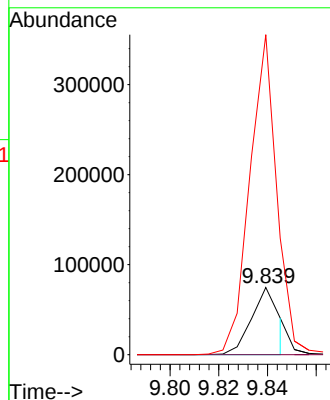
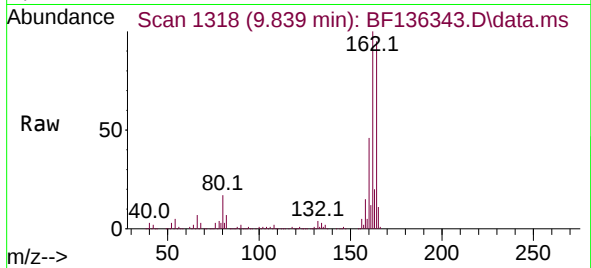




#50
Dimethylphthalate
Concen: 2.754 ng
RT: 9.839 min Scan# 1318
Delta R.T. 0.265 min
Lab File: BF136343.D
Acq: 01 Dec 2023 18:02

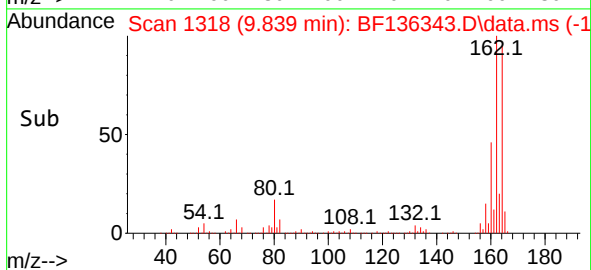
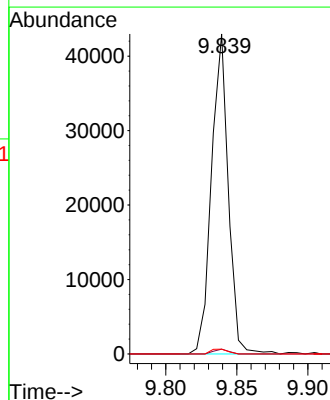
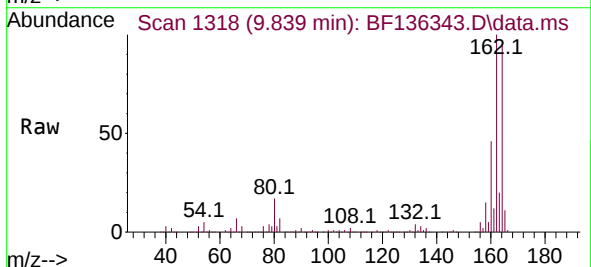
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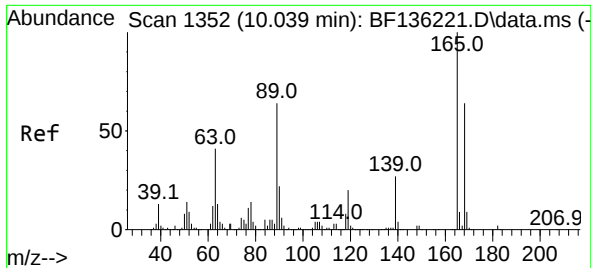
Tgt Ion:163 Resp: 58167
Ion Ratio Lower Upper
163 100
194 0.0 2.5 3.7#
164 476.0 7.0 10.6#



#51
2,6-Dinitrotoluene
Concen: 8.227 ng
RT: 9.839 min Scan# 1318
Delta R.T. 0.206 min
Lab File: BF136343.D
Acq: 01 Dec 2023 18:02

Tgt Ion:165 Resp: 35495
Ion Ratio Lower Upper
165 100
63 1.5 46.2 69.2#
89 1.5 44.9 67.3#

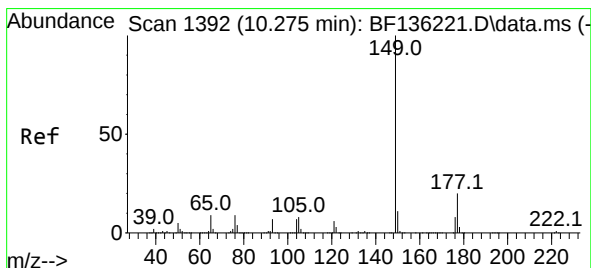
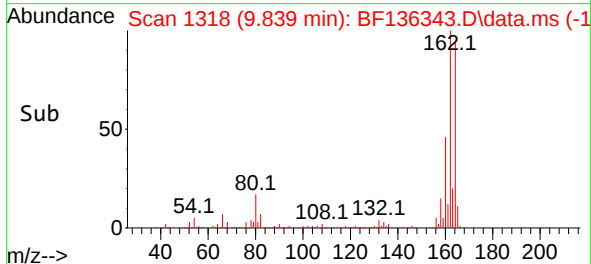
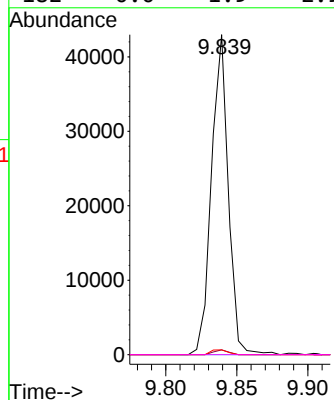
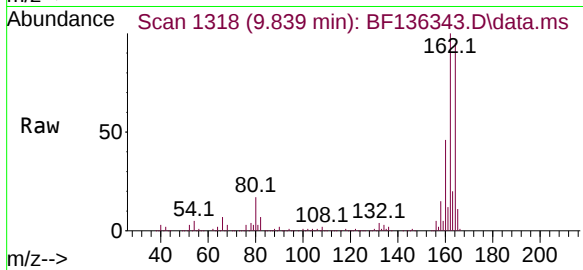




#57
2,4-Dinitrotoluene
Concen: 6.159 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.200 min
Lab File: BF136343.D
Acq: 01 Dec 2023 18:02

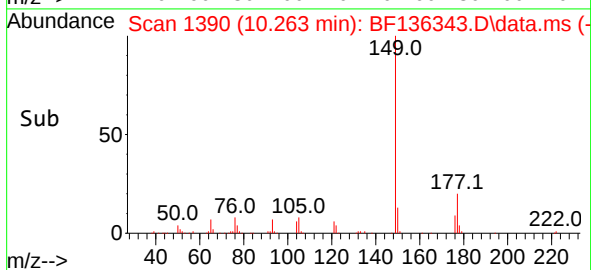
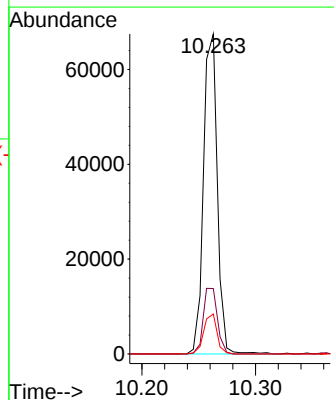
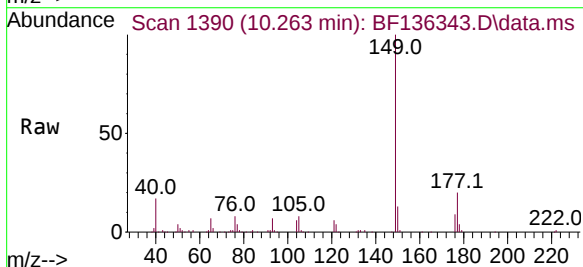
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BNA_F
ClientSampleId :
TWP10

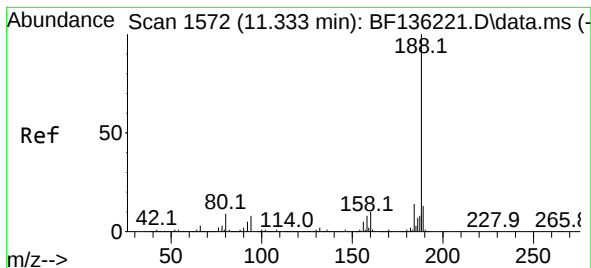
Tgt Ion:165 Resp: 35495
Ion Ratio Lower Upper
165 100
63 1.5 33.0 49.4#
89 1.5 51.5 77.3#
182 0.0 1.9 2.9#



#60
Diethylphthalate
Concen: 2.704 ng
RT: 10.263 min Scan# 1390
Delta R.T. -0.012 min
Lab File: BF136343.D
Acq: 01 Dec 2023 18:02

Tgt Ion:149 Resp: 57122
Ion Ratio Lower Upper
149 100
177 20.5 15.8 23.6
150 12.5 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: BF136343.D

Acq: 01 Dec 2023 18:02

Instrument :

BNA_F

ClientSampleId :

TWP10

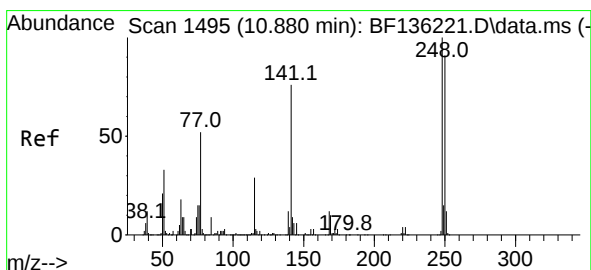
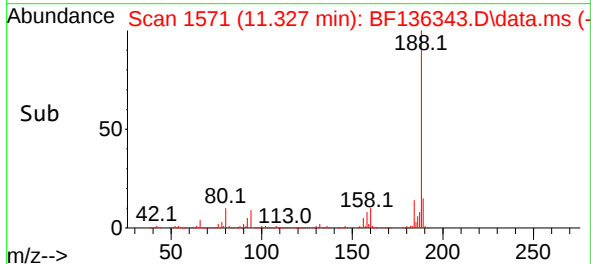
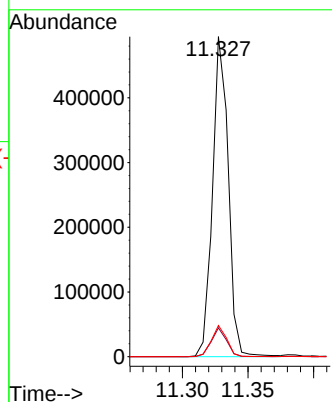
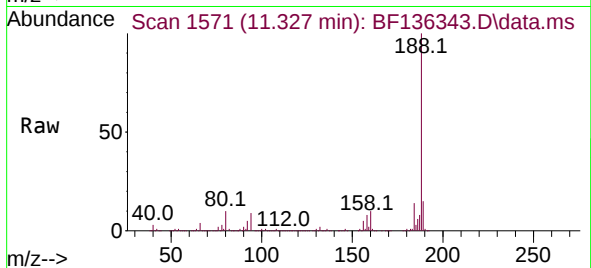
Tgt Ion:188 Resp: 413110

Ion Ratio Lower Upper

188 100

94 9.0 6.7 10.1

80 9.8 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 3.063 ng

RT: 10.628 min Scan# 1452

Delta R.T. -0.253 min

Lab File: BF136343.D

Acq: 01 Dec 2023 18:02

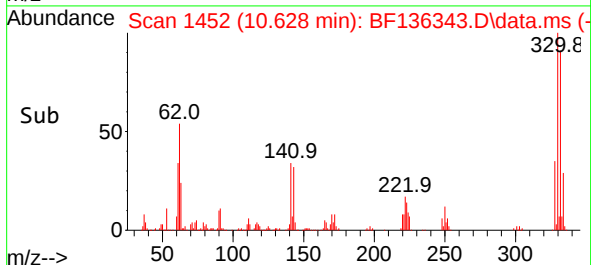
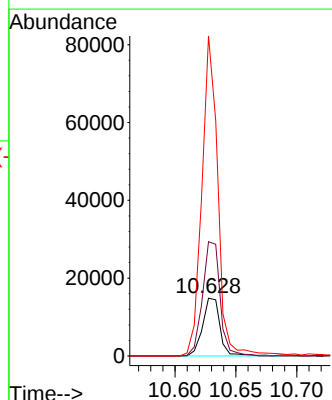
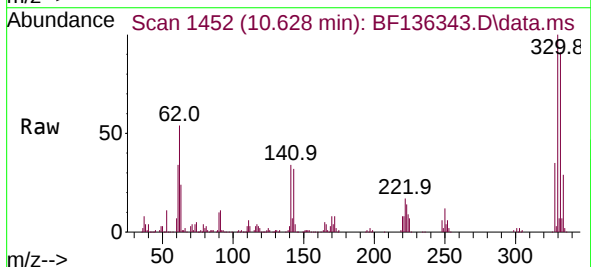
Tgt Ion:248 Resp: 14763

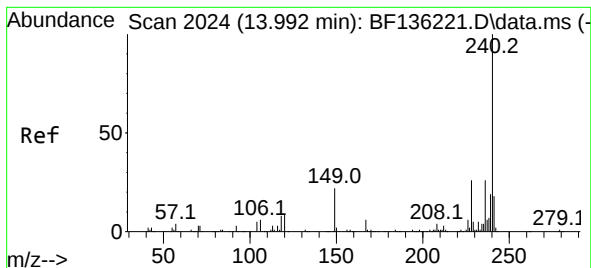
Ion Ratio Lower Upper

248 100

250 197.6 72.5 108.7#

141 553.4 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: BF136343.D

Acq: 01 Dec 2023 18:02

Instrument :

BNA_F

ClientSampleId :

TWP10

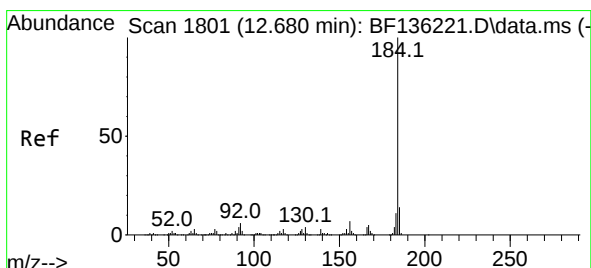
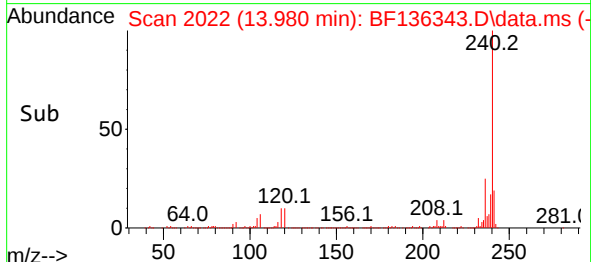
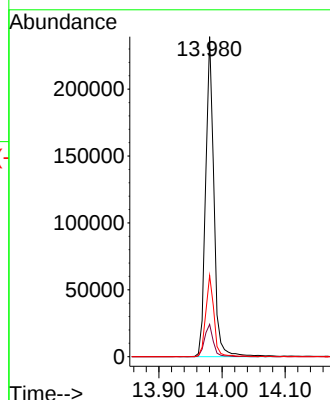
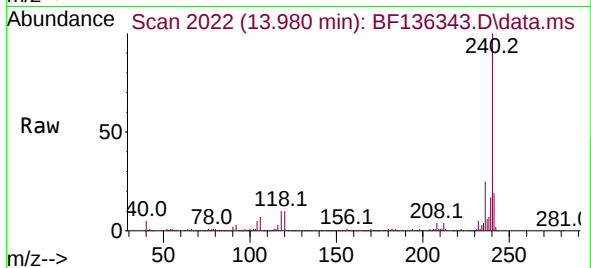
Tgt Ion:240 Resp: 218085

Ion Ratio Lower Upper

240 100

120 10.1 7.4 11.2

236 25.4 21.1 31.7



#77

Benzidine

Concen: 4.258 ng

RT: 12.927 min Scan# 1843

Delta R.T. 0.247 min

Lab File: BF136343.D

Acq: 01 Dec 2023 18:02

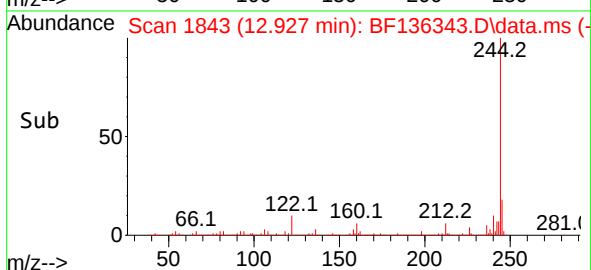
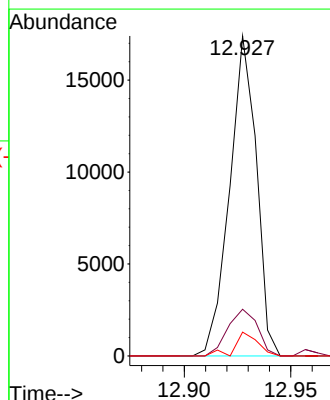
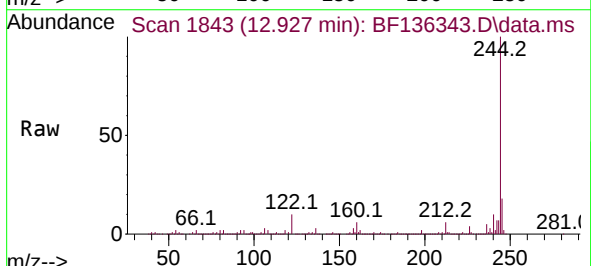
Tgt Ion:184 Resp: 15263

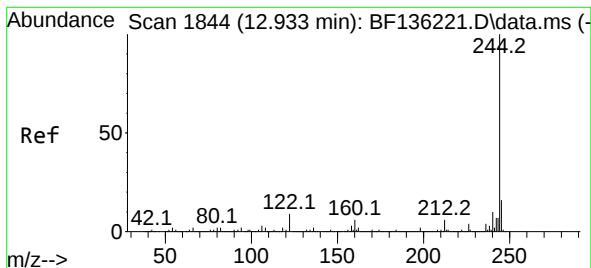
Ion Ratio Lower Upper

184 100

185 14.6 11.0 16.6

183 7.4 9.0 13.4#





#79

Terphenyl-d14

Concen: 74.870 ng

RT: 12.927 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136343.D

Acq: 01 Dec 2023 18:02

Instrument :

BNA_F

ClientSampleId :

TWP10

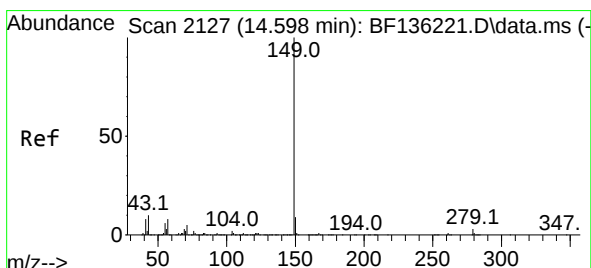
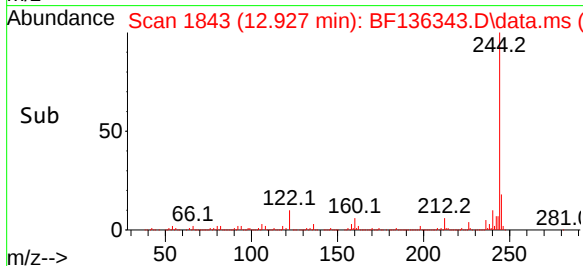
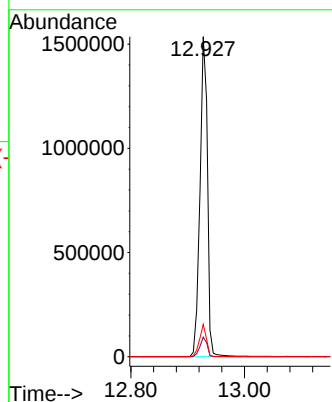
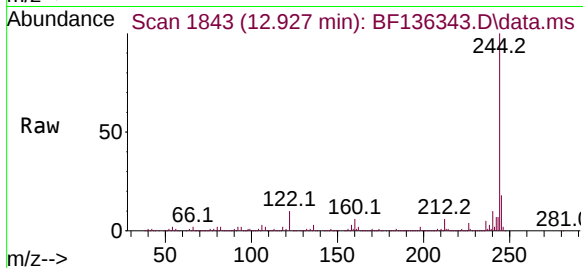
Tgt Ion:244 Resp: 1415526

Ion Ratio Lower Upper

244 100

212 6.1 4.6 7.0

122 10.1 7.3 10.9



#85

Di-n-octyl phthalate

Concen: 5.207 ng

RT: 14.592 min Scan# 2126

Delta R.T. -0.006 min

Lab File: BF136343.D

Acq: 01 Dec 2023 18:02

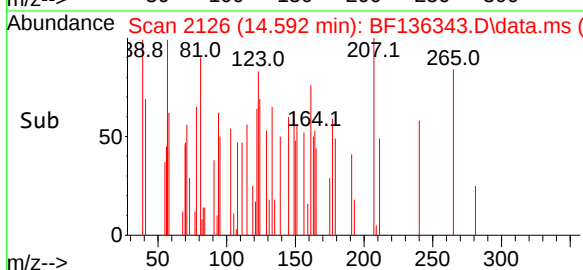
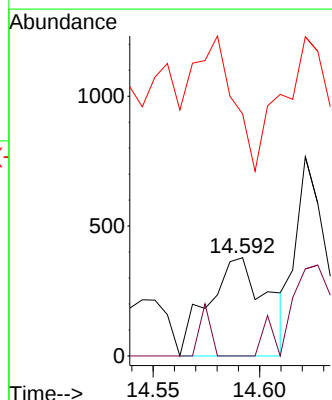
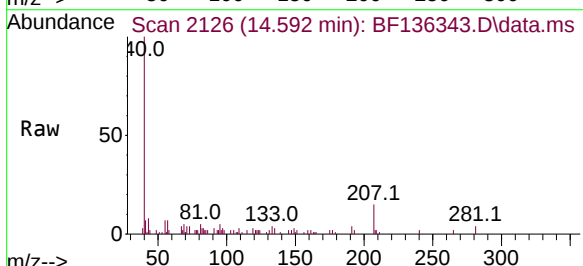
Tgt Ion:149 Resp: 729

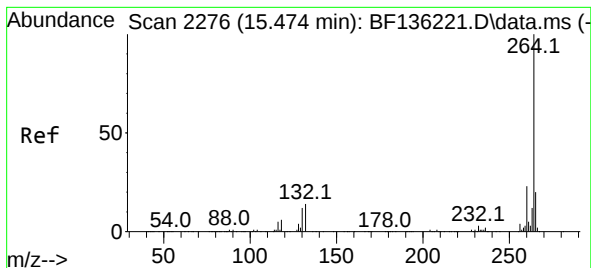
Ion Ratio Lower Upper

149 100

167 9.7 1.0 1.6#

43 90.7 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: BF136343.D

Acq: 01 Dec 2023 18:02

Instrument :

BNA_F

ClientSampleId :

TWP10

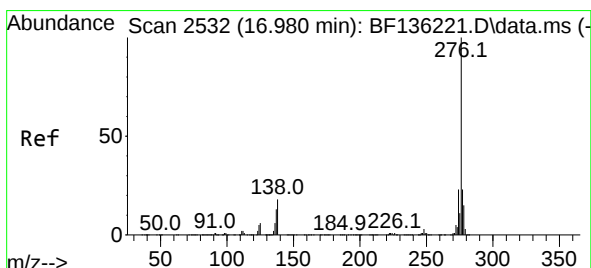
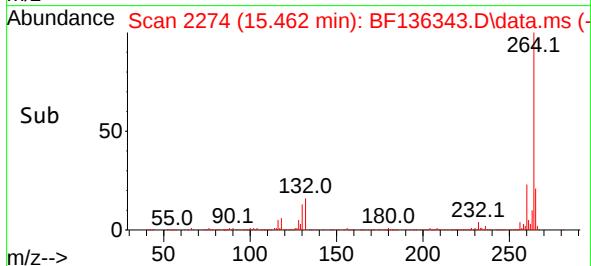
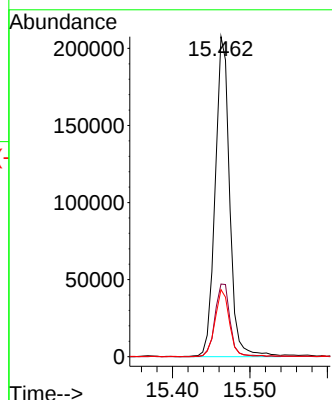
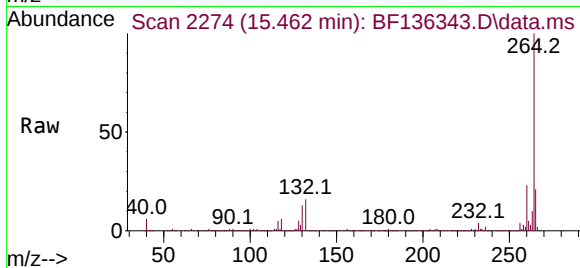
Tgt Ion:264 Resp: 268828

Ion Ratio Lower Upper

264 100

260 22.7 18.6 27.8

265 20.9 15.7 23.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.685 ng

RT: 16.986 min Scan# 2533

Delta R.T. 0.006 min

Lab File: BF136343.D

Acq: 01 Dec 2023 18:02

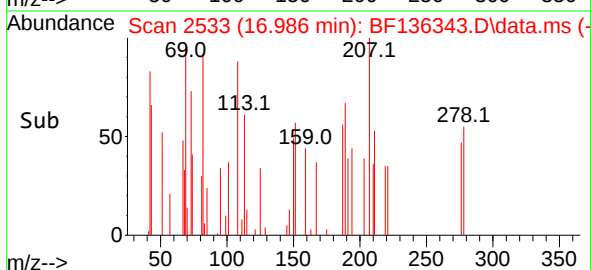
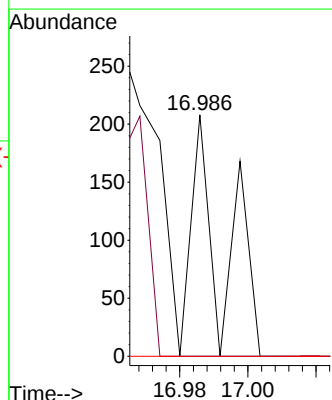
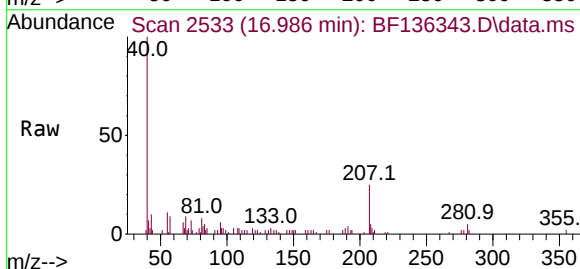
Tgt Ion:276 Resp: 133

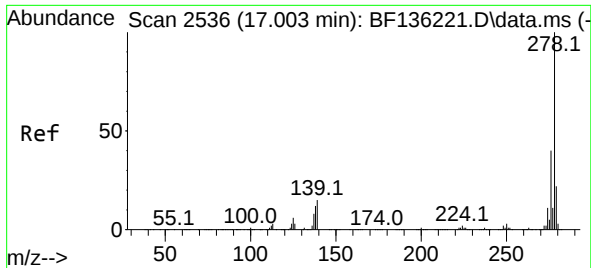
Ion Ratio Lower Upper

276 100

138 0.0 17.7 26.5#

277 0.0 19.6 29.4#





#91
 Dibenzo(a,h)anthracene
 Concen: 2.722 ng
 RT: 17.021 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: BF136343.D
 Acq: 01 Dec 2023 18:02

Instrument :
 BNA_F
 ClientSampleId :
 TWP10

Tgt Ion:278 Resp: 154
 Ion Ratio Lower Upper
 278 100
 139 0.0 11.7 17.5#
 279 0.0 17.8 26.8#

