

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
 Data File : BF136346.D
 Acq On : 01 Dec 2023 19:38
 Operator : CG\JU
 Sample : 05525-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TWP11

Quant Time: Dec 02 00:34:58 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

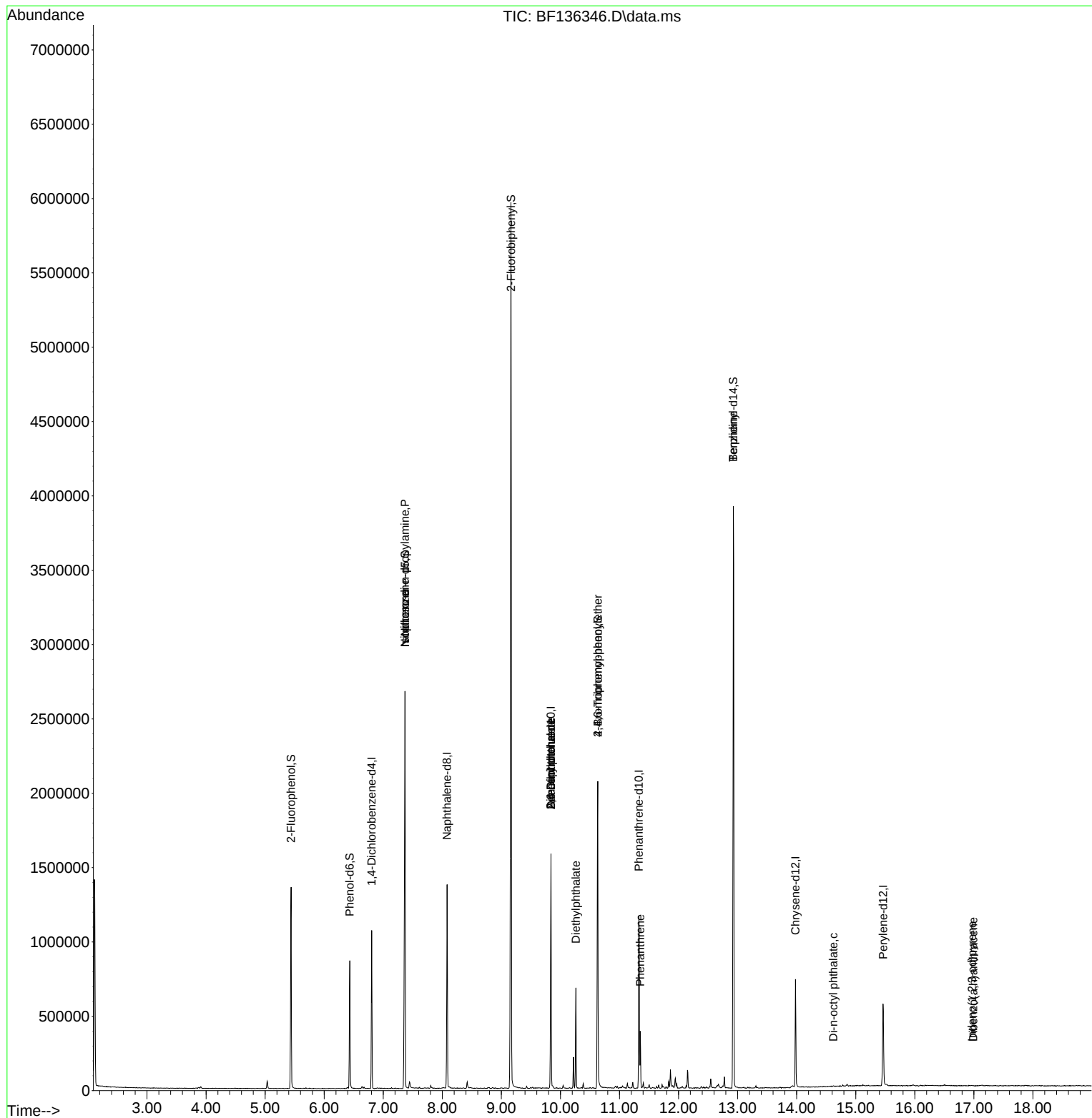
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	141754	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	589856	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	287940	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	444348	20.000	ng	0.00
76) Chrysene-d12	13.980	240	230434	20.000	ng	-0.01
86) Perylene-d12	15.463	264	277068	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	363587	35.700	ng	0.00
7) Phenol-d6	6.434	99	273531	21.480	ng	-0.01
23) Nitrobenzene-d5	7.369	82	980297	87.822	ng	0.00
42) 2,4,6-Tribromophenol	10.633	330	279043	79.267	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	2032891	90.179	ng	0.00
79) Terphenyl-d14	12.927	244	1519207	76.047	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.369	70	126872	16.658	ng	# 73
25) Isophorone	7.369	82	978867	48.634	ng	# 68
50) Dimethylphthalate	9.839	163	60120	2.762	ng	# 1
51) 2,6-Dinitrotoluene	9.839	165	35832	8.059	ng	# 25
57) 2,4-Dinitrotoluene	9.839	165	35832	6.033	ng	# 28
60) Diethylphthalate	10.263	149	223878	10.284	ng	# 96
67) 4-Bromophenyl-phenylether	10.633	248	16087	3.103	ng	# 1
71) Phenanthrene	11.351	178	127290	5.097	ng	# 97
77) Benzidine	12.927	184	16493	4.354	ng	# 93
85) Di-n-octyl phthalate	14.621	149	979	5.220	ng	# 72
87) Indeno(1,2,3-cd)pyrene	16.968	276	199	2.688	ng	# 52
91) Dibenzo(a,h)anthracene	16.992	278	69	2.717	ng	# 13

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

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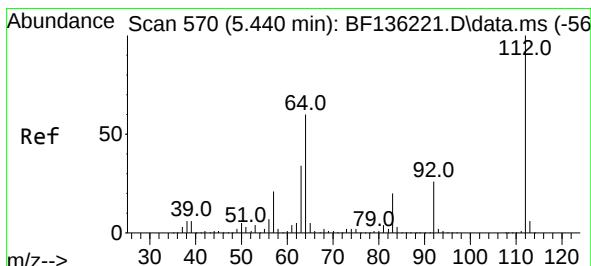
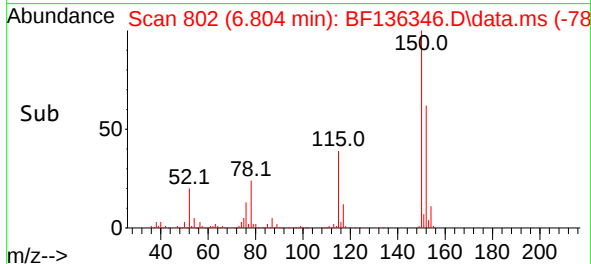
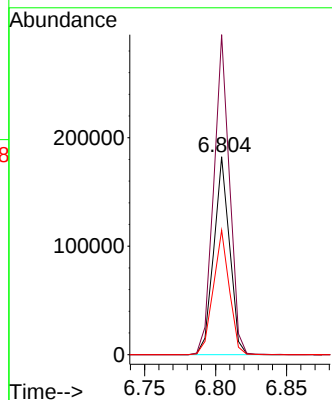
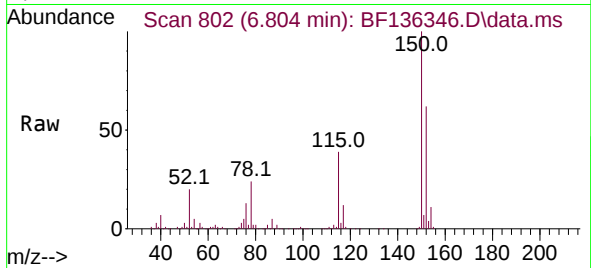




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136346.D
Acq: 01 Dec 2023 19:38

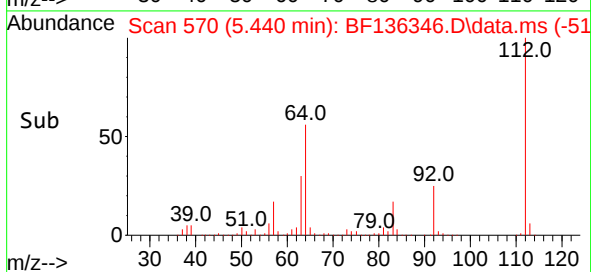
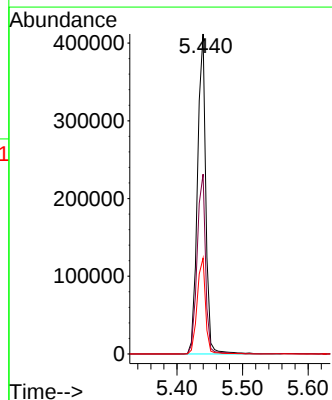
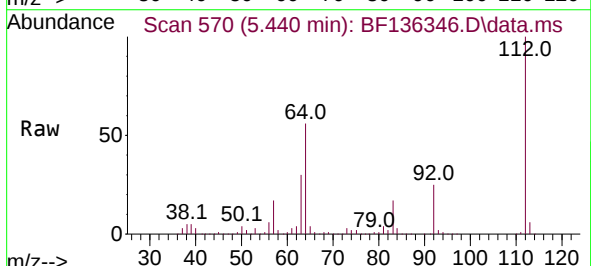
Instrument :
BNA_F
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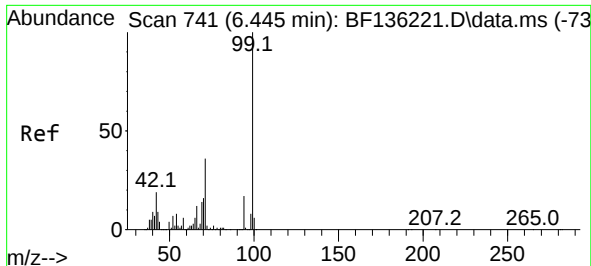
Tgt Ion:152 Resp: 141754
Ion Ratio Lower Upper
152 100
150 161.7 137.8 206.8
115 62.9 52.7 79.1



#5
2-Fluorophenol
Concen: 35.700 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.000 min
Lab File: BF136346.D
Acq: 01 Dec 2023 19:38

Tgt Ion:112 Resp: 363587
Ion Ratio Lower Upper
112 100
64 56.2 48.2 72.4
63 30.0 27.0 40.6

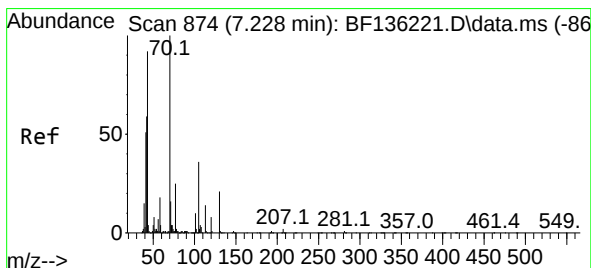
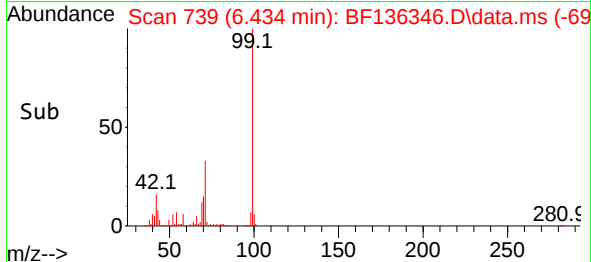
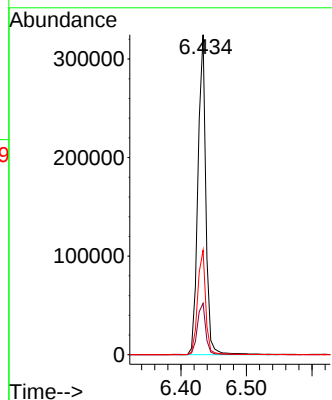
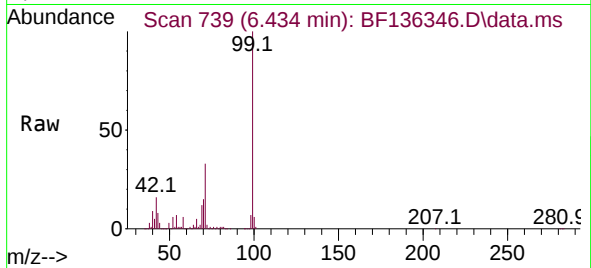




#7
Phenol-d6
Concen: 21.480 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136346.D
Acq: 01 Dec 2023 19:38

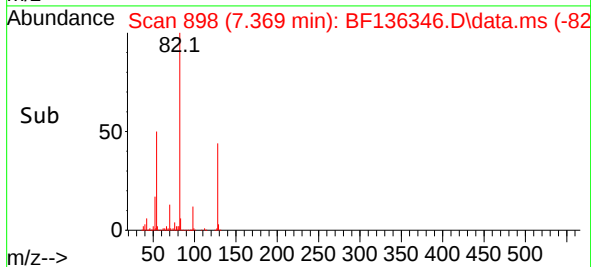
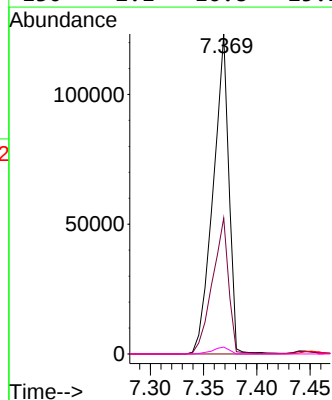
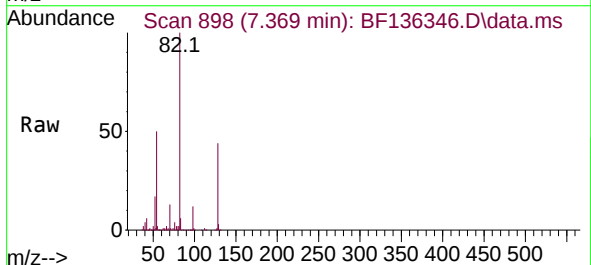
Instrument :
BNA_F
ClientSampleId :
TWP11

Tgt Ion: 99 Resp: 273531
Ion Ratio Lower Upper
99 100
42 16.0 15.0 22.6
71 32.7 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 16.658 ng
RT: 7.369 min Scan# 898
Delta R.T. 0.141 min
Lab File: BF136346.D
Acq: 01 Dec 2023 19:38

Tgt Ion: 70 Resp: 126872
Ion Ratio Lower Upper
70 100
42 42.5 47.0 70.4#
101 0.0 7.8 11.8#
130 2.1 16.8 25.2#

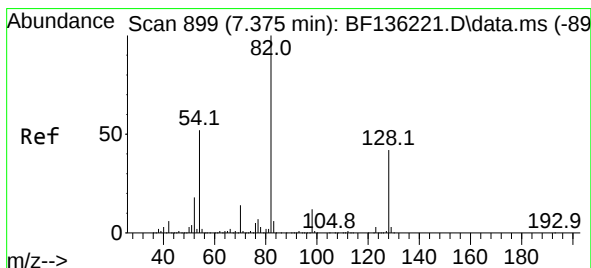
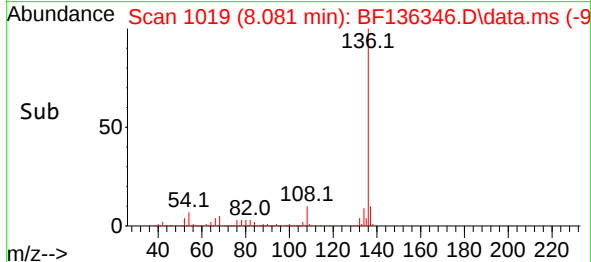
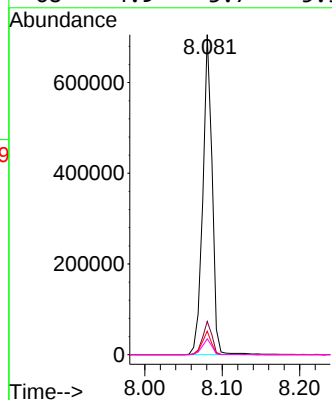
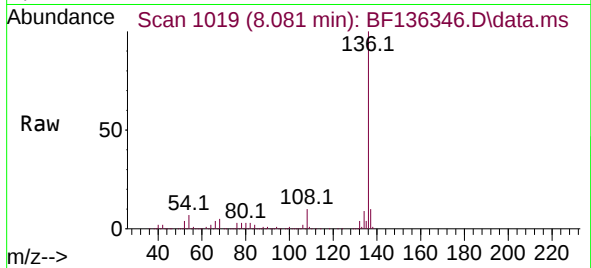




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136346.D
Acq: 01 Dec 2023 19:38

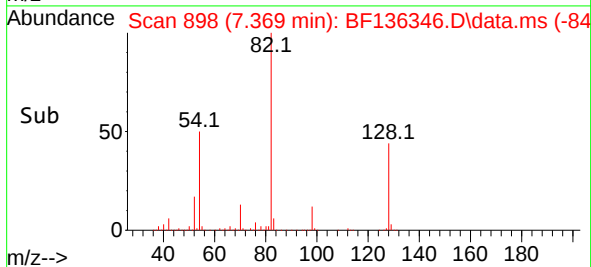
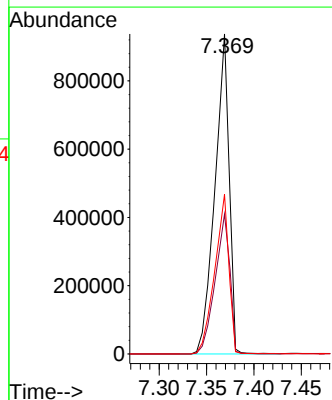
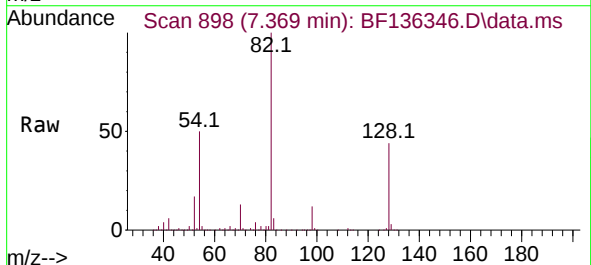
Instrument :
BNA_F
ClientSampleId :
TWP11

Tgt Ion:136 Resp: 589856
Ion Ratio Lower Upper
136 100
137 10.4 7.4 11.2
54 7.4 5.5 8.3
68 4.9 3.7 5.5



#23
Nitrobenzene-d5
Concen: 87.822 ng
RT: 7.369 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF136346.D
Acq: 01 Dec 2023 19:38

Tgt Ion: 82 Resp: 980297
Ion Ratio Lower Upper
82 100
128 43.7 33.4 50.2
54 49.9 41.7 62.5

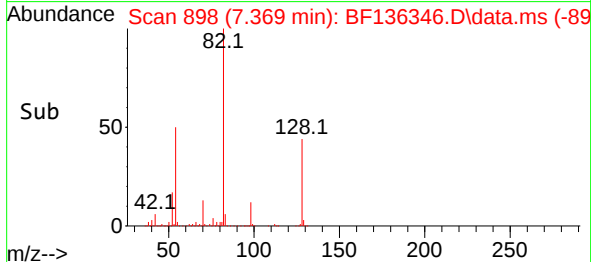
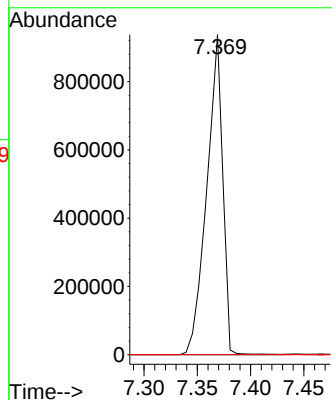
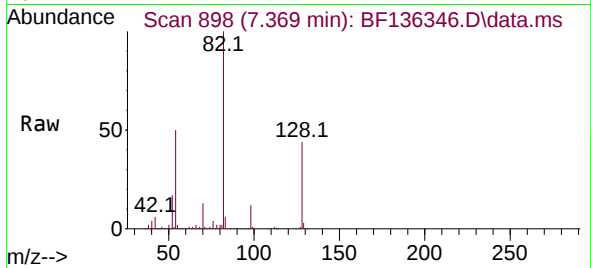




#25
Isophorone
Concen: 48.634 ng
RT: 7.369 min Scan# 89
Delta R.T. -0.259 min
Lab File: BF136346.D
Acq: 01 Dec 2023 19:38

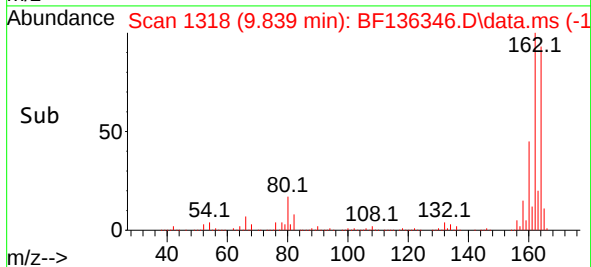
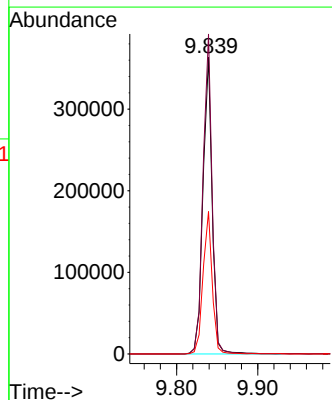
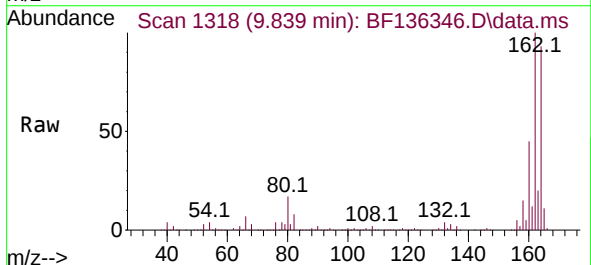
Instrument :
BNA_F
ClientSampleId :
TWP11

Tgt Ion: 82 Resp: 978867
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: BF136346.D
Acq: 01 Dec 2023 19:38

Tgt Ion:164 Resp: 287940
Ion Ratio Lower Upper
164 100
162 107.8 89.5 134.3
160 48.0 39.6 59.4





#42

2,4,6-Tribromophenol

Concen: 79.267 ng

RT: 10.633 min Scan# 1454

Delta R.T. -0.006 min

Lab File: BF136346.D

Acq: 01 Dec 2023 19:38

Instrument :

BNA_F

ClientSampleId :

TWP11

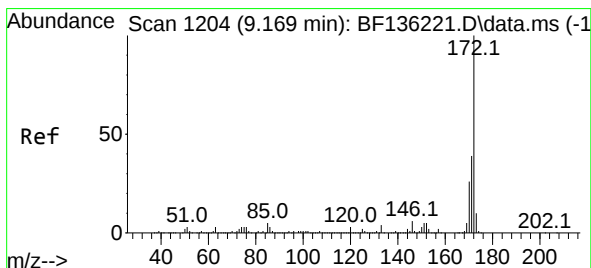
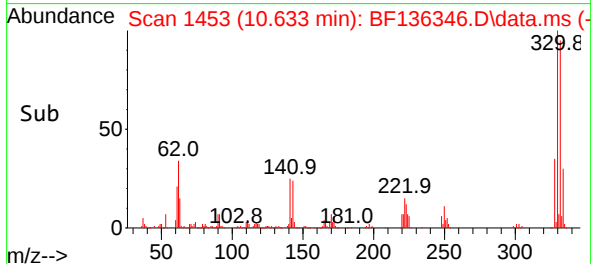
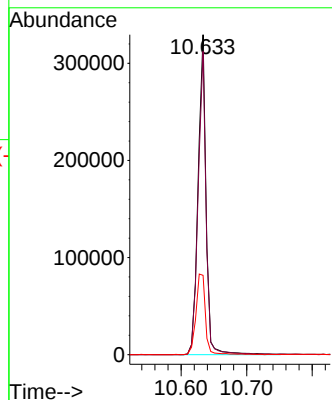
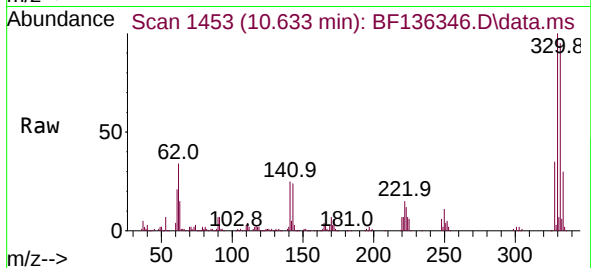
Tgt Ion:330 Resp: 279043

Ion Ratio Lower Upper

330 100

332 94.3 73.0 109.6

141 30.1 24.2 36.2



#45

2-Fluorobiphenyl

Concen: 90.179 ng

RT: 9.163 min Scan# 1203

Delta R.T. -0.006 min

Lab File: BF136346.D

Acq: 01 Dec 2023 19:38

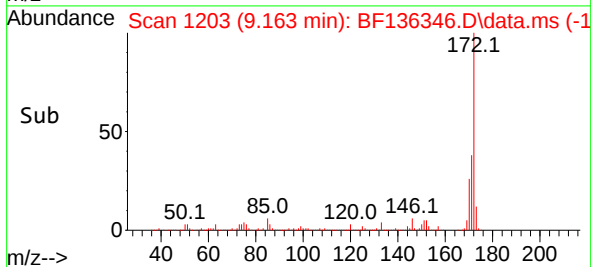
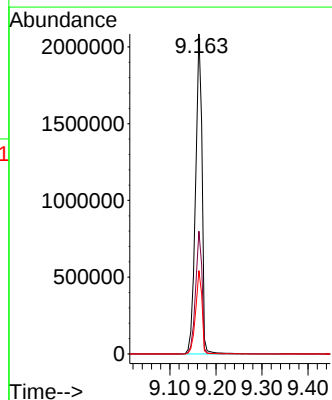
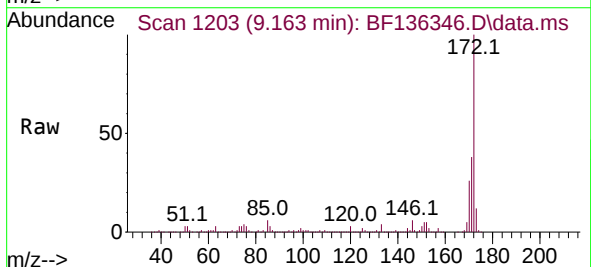
Tgt Ion:172 Resp: 2032891

Ion Ratio Lower Upper

172 100

171 38.4 31.5 47.3

170 26.0 20.8 31.2

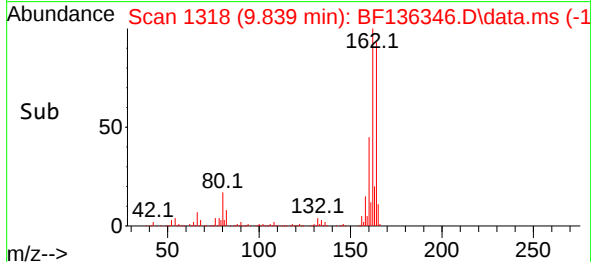
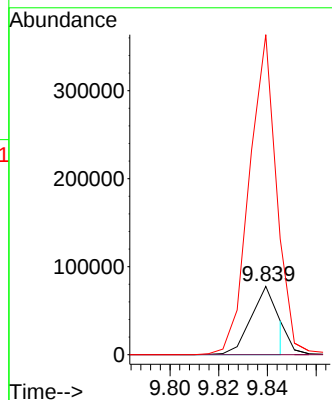
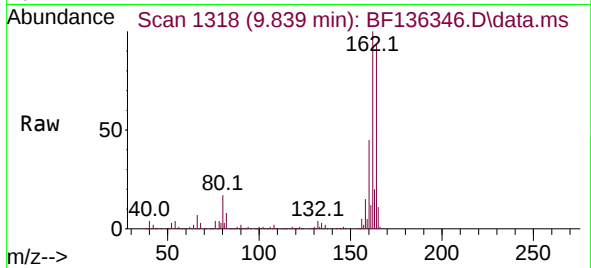




#50
Dimethylphthalate
Concen: 2.762 ng
RT: 9.839 min Scan# 1318
Delta R.T. 0.265 min
Lab File: BF136346.D
Acq: 01 Dec 2023 19:38

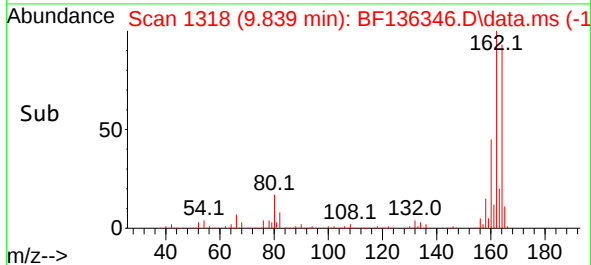
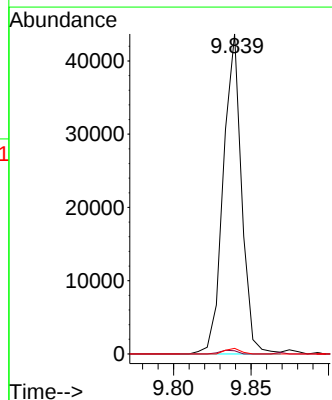
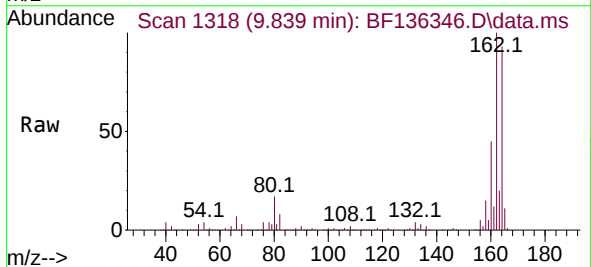
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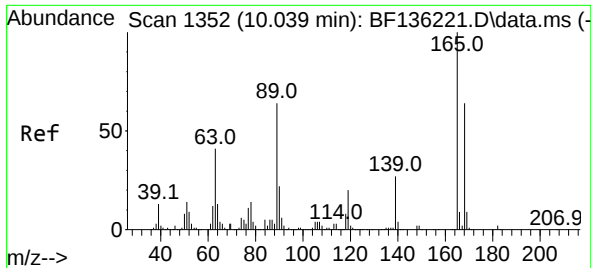
Tgt Ion:163 Resp: 60120
Ion Ratio Lower Upper
163 100
194 0.0 2.5 3.7#
164 468.1 7.0 10.6#



#51
2,6-Dinitrotoluene
Concen: 8.059 ng
RT: 9.839 min Scan# 1318
Delta R.T. 0.206 min
Lab File: BF136346.D
Acq: 01 Dec 2023 19:38

Tgt Ion:165 Resp: 35832
Ion Ratio Lower Upper
165 100
63 1.0 46.2 69.2#
89 1.8 44.9 67.3#

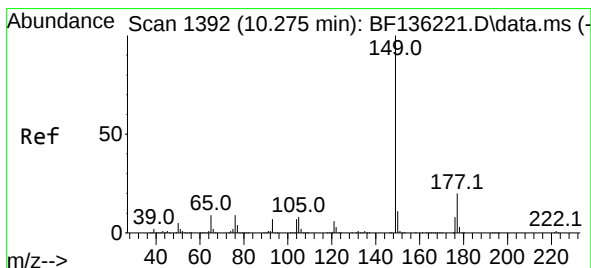
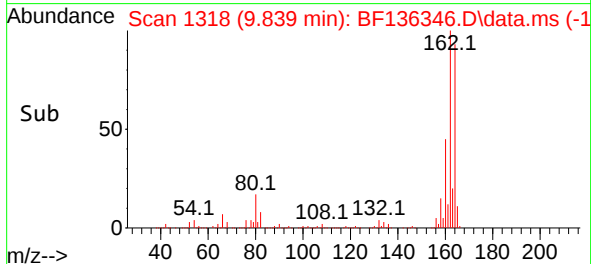
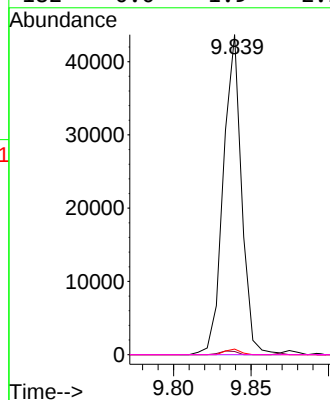
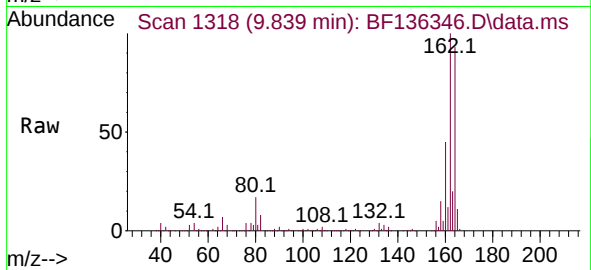




#57
2,4-Dinitrotoluene
Concen: 6.033 ng
RT: 9.839 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF136346.D
Acq: 01 Dec 2023 19:38

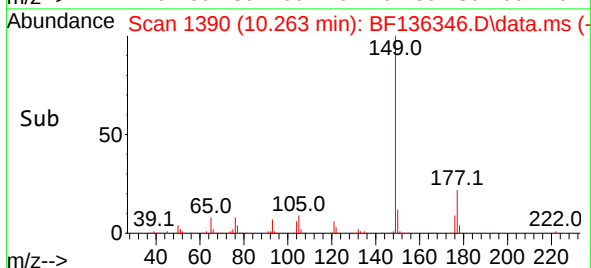
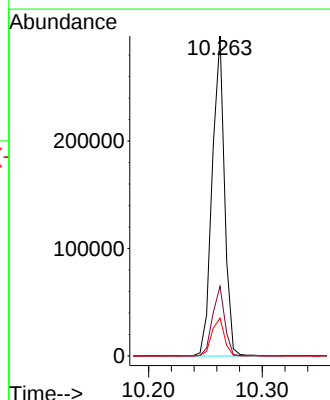
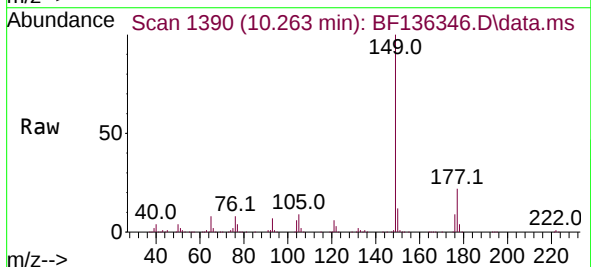
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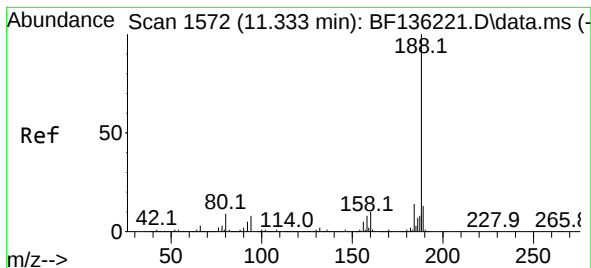
Tgt Ion:165 Resp: 35832
Ion Ratio Lower Upper
165 100
63 1.0 33.0 49.4#
89 1.8 51.5 77.3#
182 0.0 1.9 2.9#



#60
Diethylphthalate
Concen: 10.284 ng
RT: 10.263 min Scan# 1390
Delta R.T. -0.012 min
Lab File: BF136346.D
Acq: 01 Dec 2023 19:38

Tgt Ion:149 Resp: 223878
Ion Ratio Lower Upper
149 100
177 21.8 15.8 23.6
150 11.9 8.8 13.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.327 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136346.D

Acq: 01 Dec 2023 19:38

Instrument :

BNA_F

ClientSampleId :

TWP11

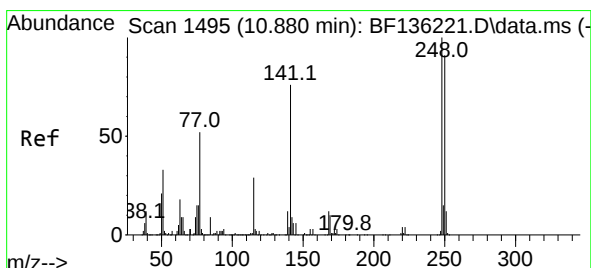
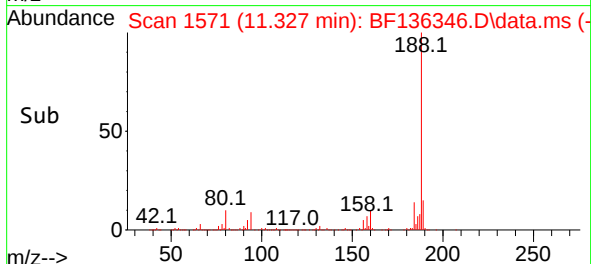
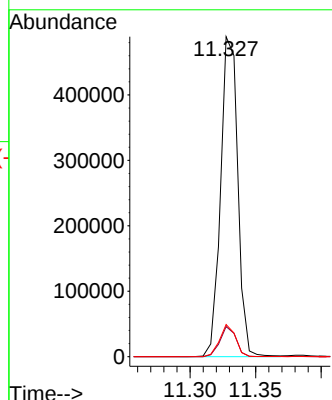
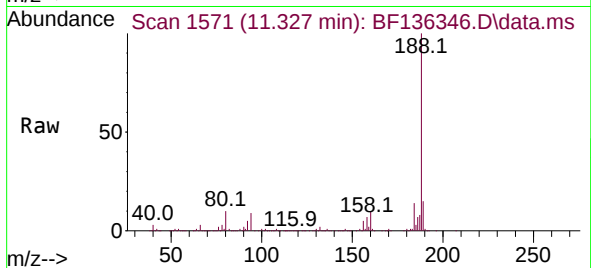
Tgt Ion:188 Resp: 444348

Ion Ratio Lower Upper

188 100

94 9.4 6.7 10.1

80 10.0 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 3.103 ng

RT: 10.633 min Scan# 1453

Delta R.T. -0.247 min

Lab File: BF136346.D

Acq: 01 Dec 2023 19:38

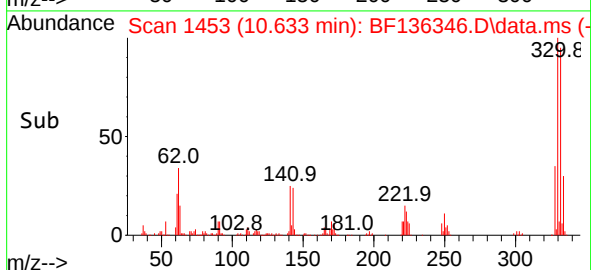
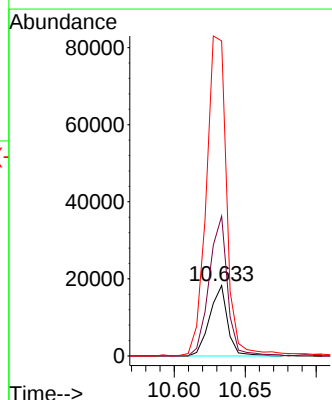
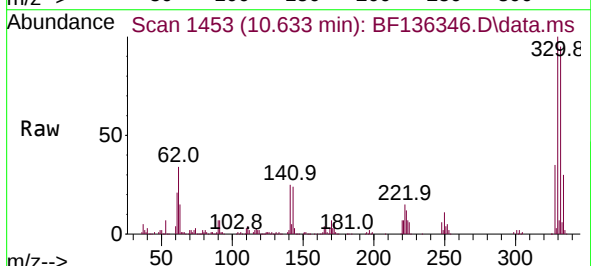
Tgt Ion:248 Resp: 16087

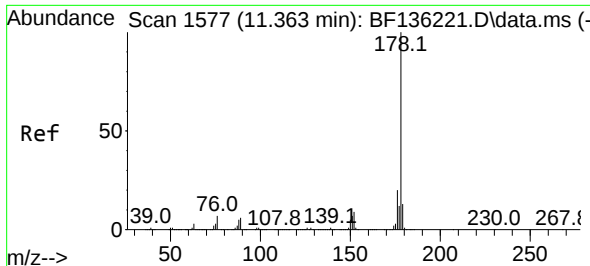
Ion Ratio Lower Upper

248 100

250 198.6 72.5 108.7#

141 447.3 60.8 91.2#

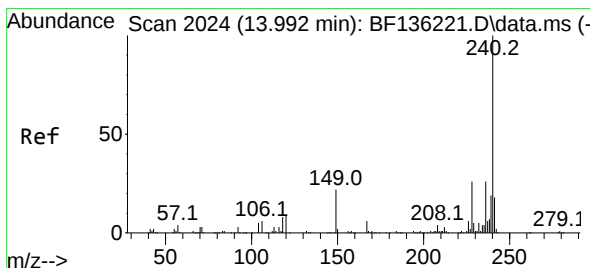
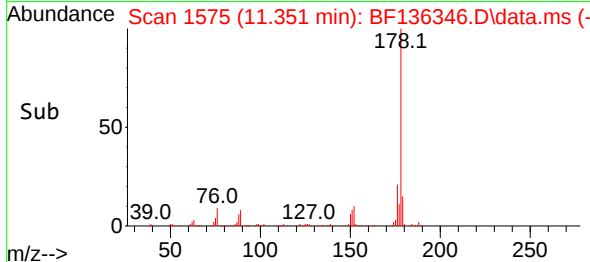
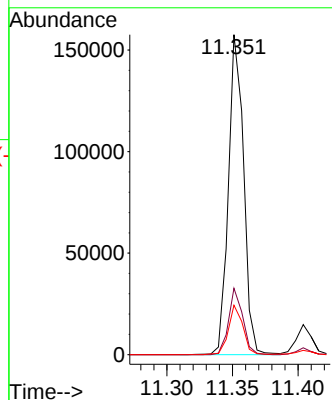
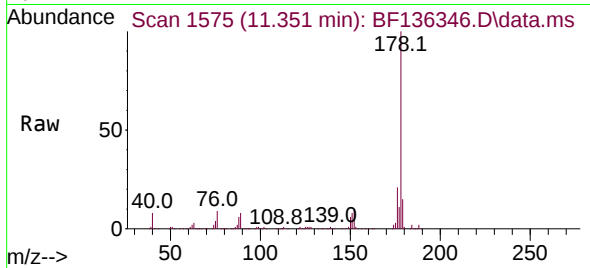




#71
Phenanthrene
Concen: 5.097 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136346.D
Acq: 01 Dec 2023 19:38

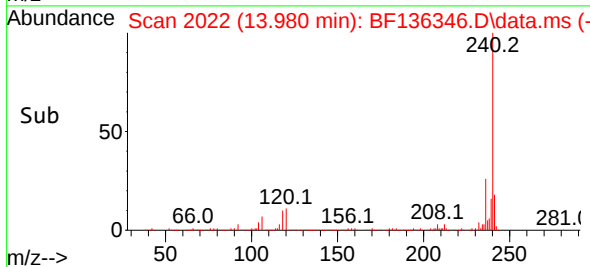
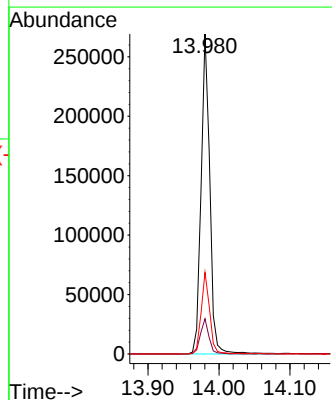
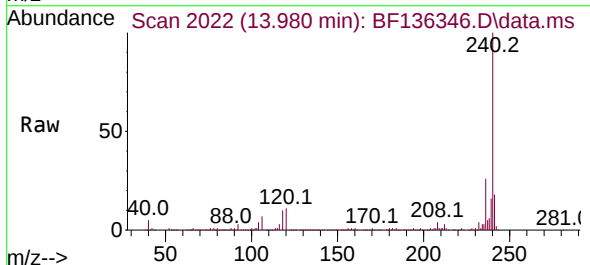
Instrument :
BNA_F
ClientSampleId :
TWP11

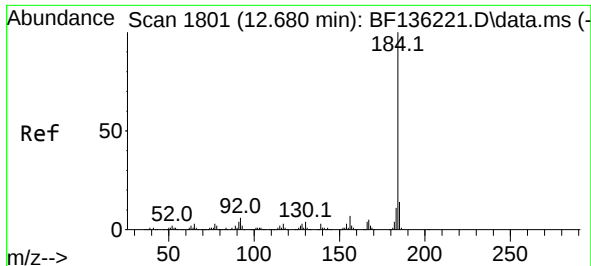
Tgt Ion:178 Resp: 127290
Ion Ratio Lower Upper
178 100
176 20.7 16.2 24.2
179 15.5 10.3 15.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF136346.D
Acq: 01 Dec 2023 19:38

Tgt Ion:240 Resp: 230434
Ion Ratio Lower Upper
240 100
120 11.0 7.4 11.2
236 25.5 21.1 31.7

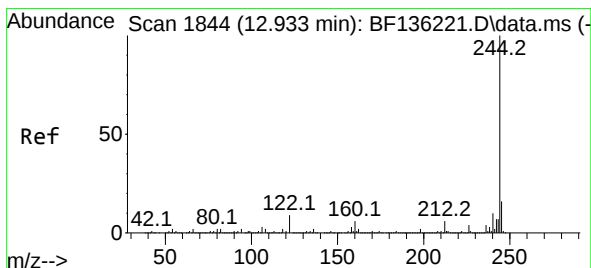
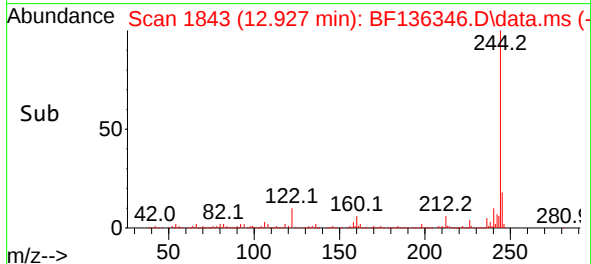
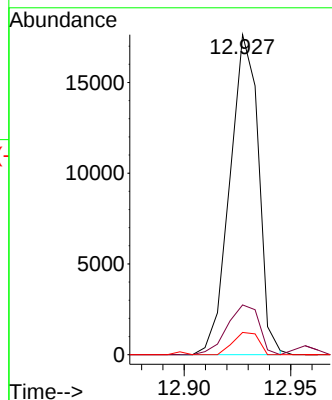
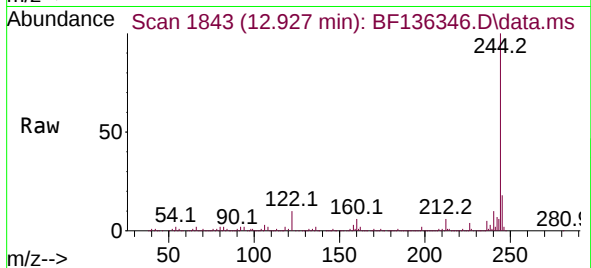




#77
Benzidine
Concen: 4.354 ng
RT: 12.927 min Scan# 1843
Delta R.T. 0.247 min
Lab File: BF136346.D
Acq: 01 Dec 2023 19:38

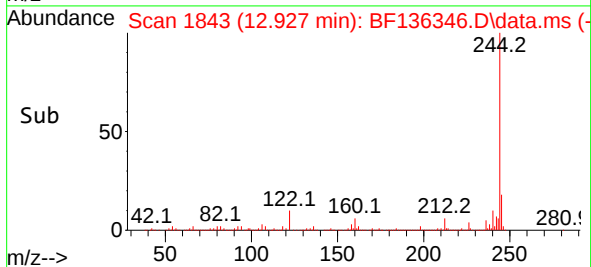
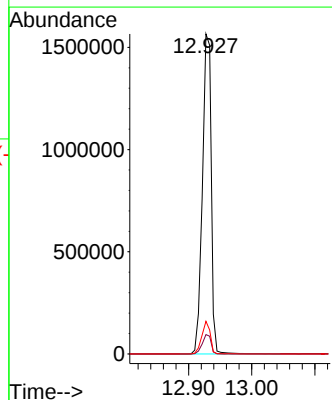
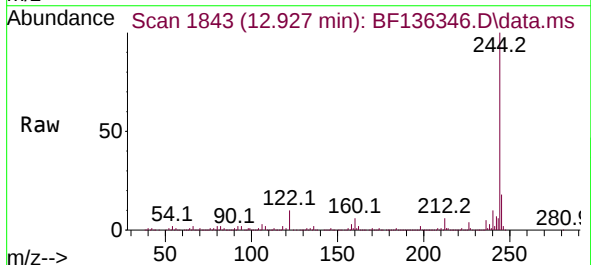
Instrument :
BNA_F
ClientSampleId :
TWP11

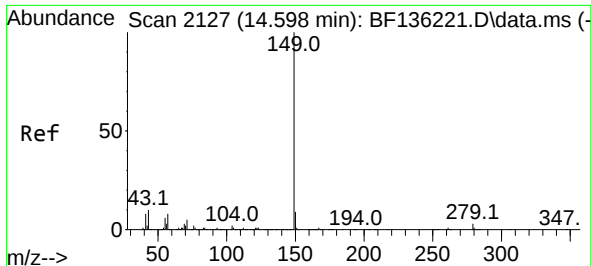
Tgt Ion:184 Resp: 16493
Ion Ratio Lower Upper
184 100
185 15.6 11.0 16.6
183 7.0 9.0 13.4#



#79
Terphenyl-d14
Concen: 76.047 ng
RT: 12.927 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BF136346.D
Acq: 01 Dec 2023 19:38

Tgt Ion:244 Resp: 1519207
Ion Ratio Lower Upper
244 100
212 6.0 4.6 7.0
122 10.2 7.3 10.9

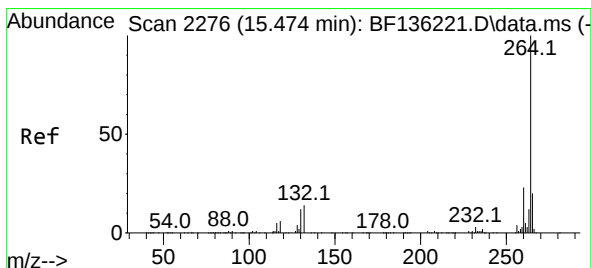
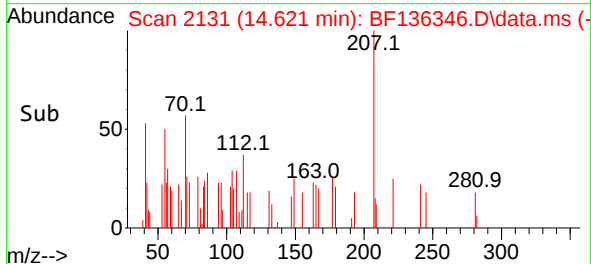
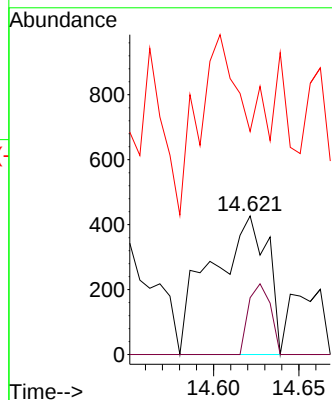
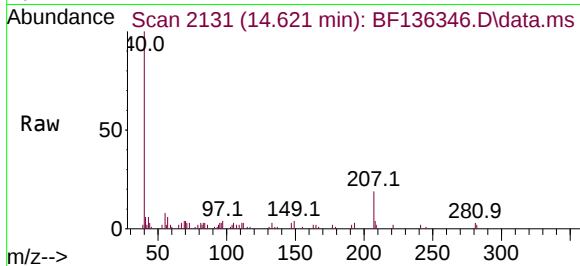




#85
Di-n-octyl phthalate
Concen: 5.220 ng
RT: 14.621 min Scan# 2127
Delta R.T. 0.023 min
Lab File: BF136346.D
Acq: 01 Dec 2023 19:38

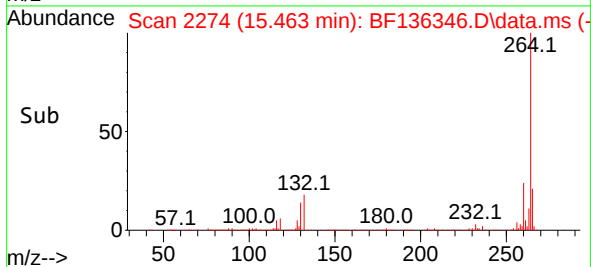
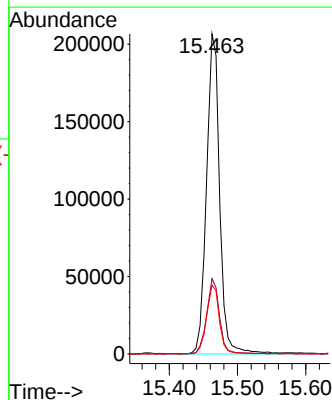
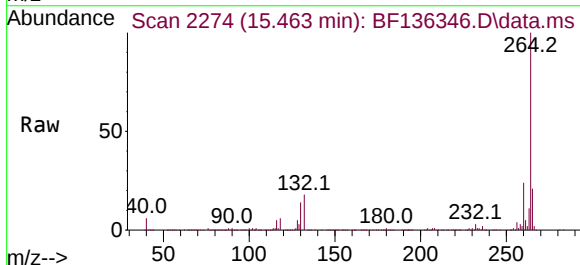
Instrument :
BNA_F
ClientSampleId :
TWP11

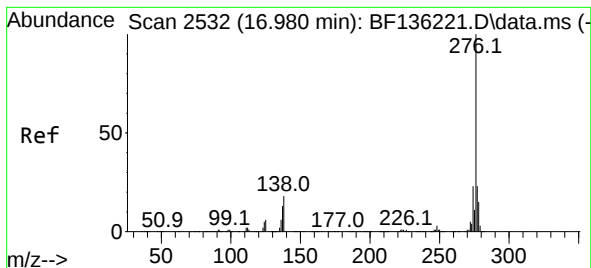
Tgt Ion:149 Resp: 979
Ion Ratio Lower Upper
149 100
167 19.8 1.0 1.6#
43 0.0 7.2 10.8#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2274
Delta R.T. -0.011 min
Lab File: BF136346.D
Acq: 01 Dec 2023 19:38

Tgt Ion:264 Resp: 277068
Ion Ratio Lower Upper
264 100
260 23.6 18.6 27.8
265 21.5 15.7 23.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.688 ng

RT: 16.968 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF136346.D

Acq: 01 Dec 2023 19:38

Instrument :

BNA_F

ClientSampleId :

TWP11

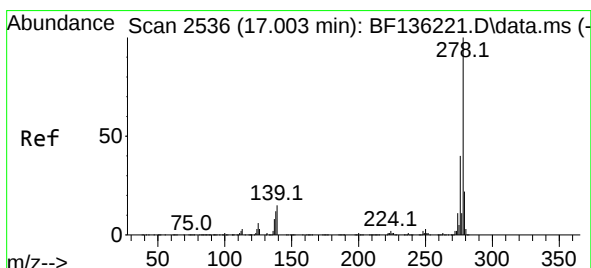
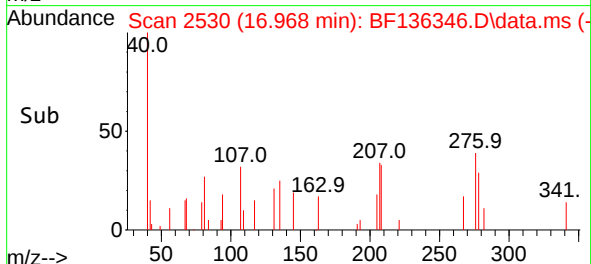
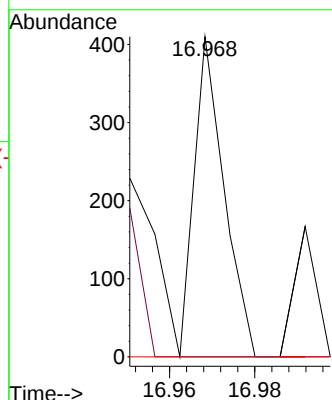
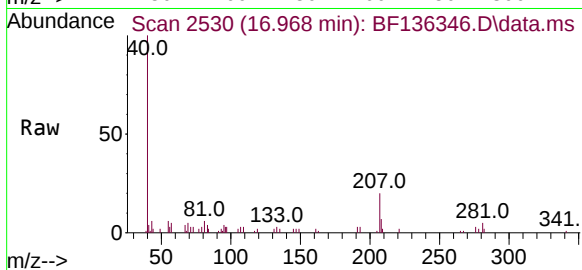
Tgt Ion:276 Resp: 199

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: 2.717 ng

RT: 16.992 min Scan# 2534

Delta R.T. -0.011 min

Lab File: BF136346.D

Acq: 01 Dec 2023 19:38

Tgt Ion:278 Resp: 69

Ion Ratio Lower Upper

278 100

139 76.1 11.7 17.5#

279 0.0 17.8 26.8#

