

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
 Data File : BF136344.D
 Acq On : 01 Dec 2023 18:35
 Operator : CG\JU
 Sample : 05525-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TWP13

Quant Time: Dec 02 00:34:11 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)

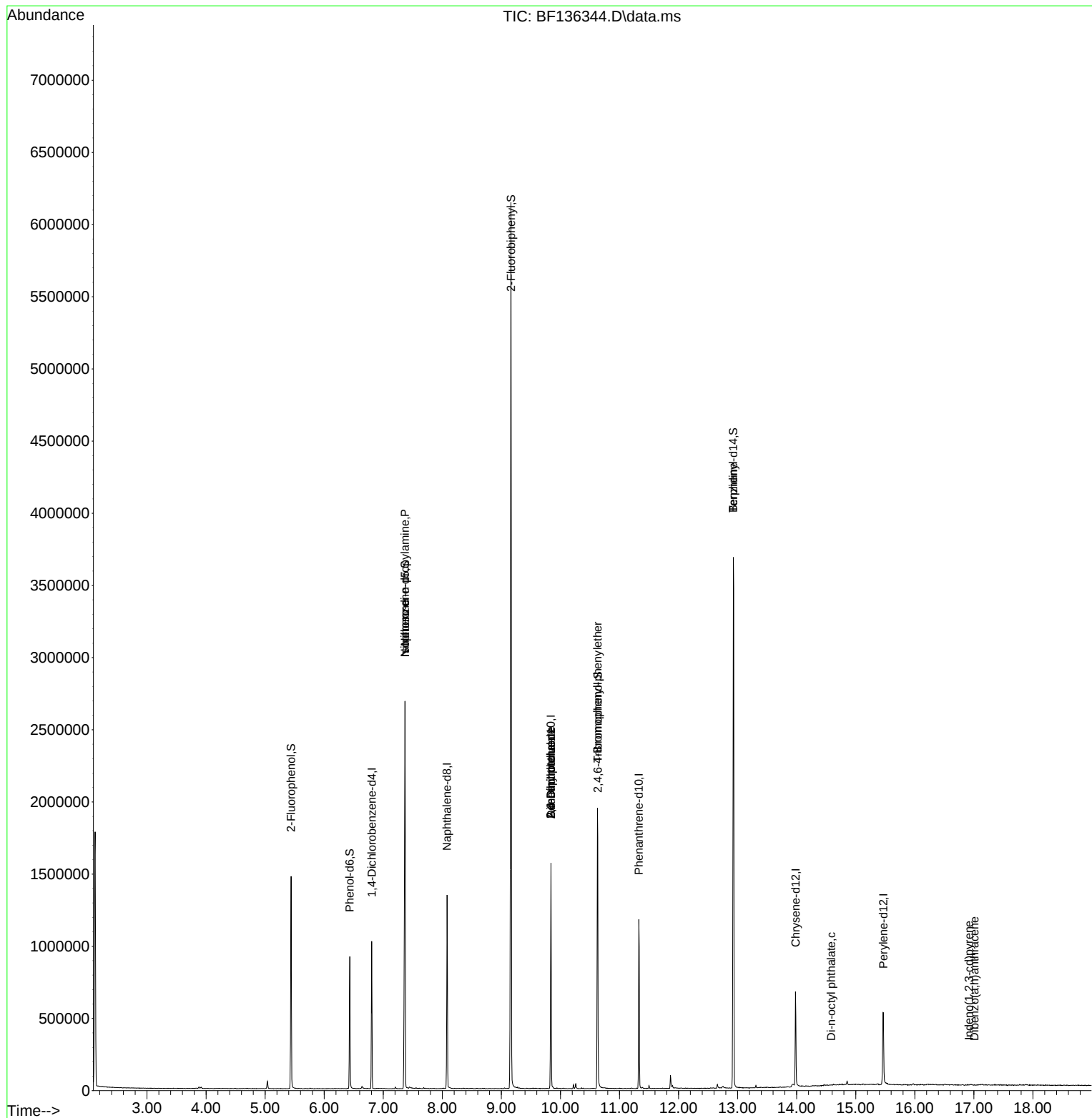
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	136913	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	576499	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	284969	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	437409	20.000	ng	0.00
76) Chrysene-d12	13.980	240	222706	20.000	ng	-0.01
86) Perylene-d12	15.468	264	265949	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	377561	38.383	ng	0.00
7) Phenol-d6	6.434	99	285262	23.193	ng	-0.01
23) Nitrobenzene-d5	7.369	82	1010120	92.590	ng	0.00
42) 2,4,6-Tribromophenol	10.633	330	271146	77.826	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	2034918	91.210	ng	0.00
79) Terphenyl-d14	12.927	244	1506335	78.019	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.369	70	133202	18.107	ng	# 74
25) Isophorone	7.369	82	1009128	51.299	ng	# 68
50) Dimethylphthalate	9.839	163	56781	2.636	ng	# 1
51) 2,6-Dinitrotoluene	9.839	165	34539	7.849	ng	# 24
57) 2,4-Dinitrotoluene	9.839	165	34539	5.876	ng	# 28
67) 4-Bromophenyl-phenylether	10.627	248	15981	3.132	ng	# 1
77) Benzidine	12.927	184	17052	4.658	ng	# 93
85) Di-n-octyl phthalate	14.586	149	563	5.196	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.915	276	685	2.712	ng	# 72
91) Dibenzo(a,h)anthracene	17.009	278	68	2.717	ng	# 58

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

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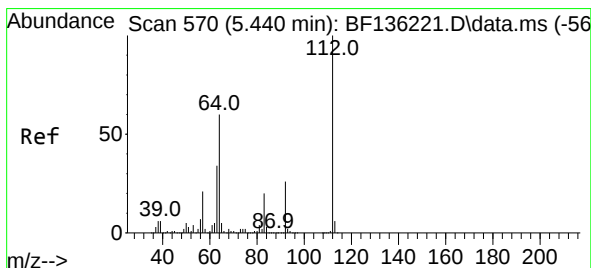
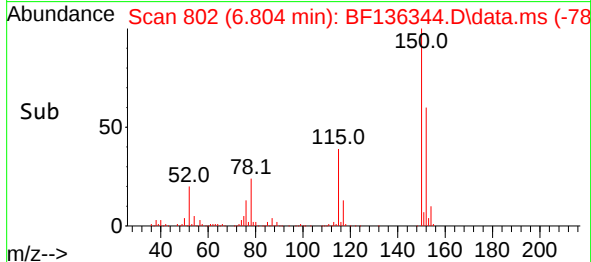
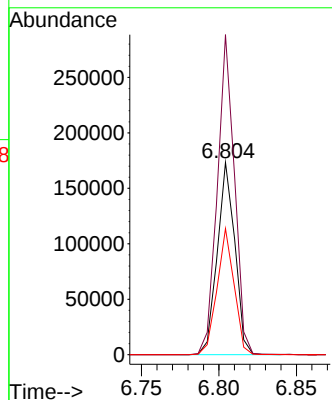
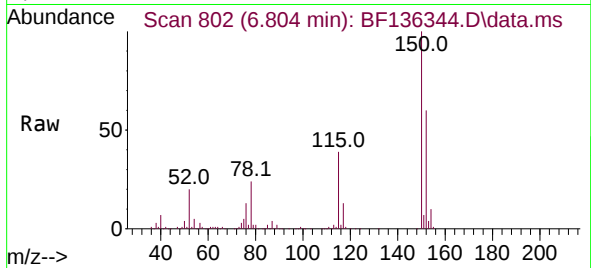




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136344.D
Acq: 01 Dec 2023 18:35

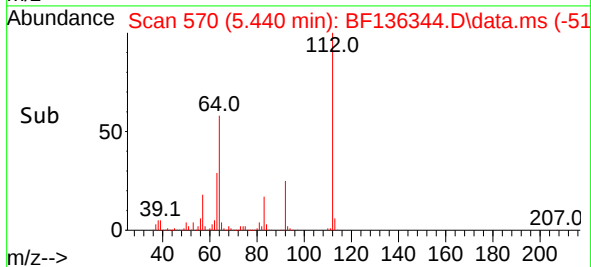
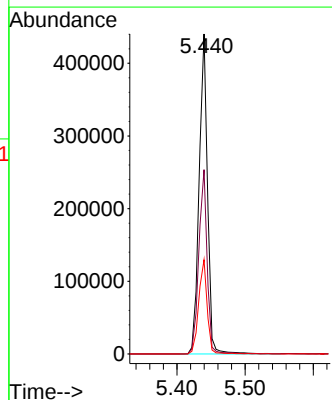
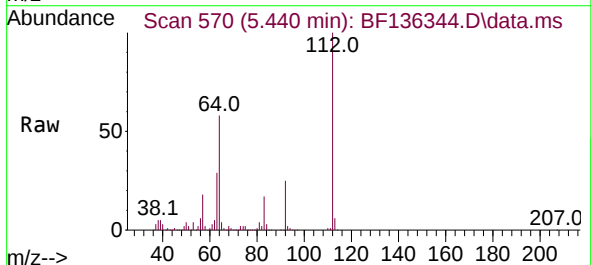
Instrument :
BNA_F
ClientSampleId :
TWP13

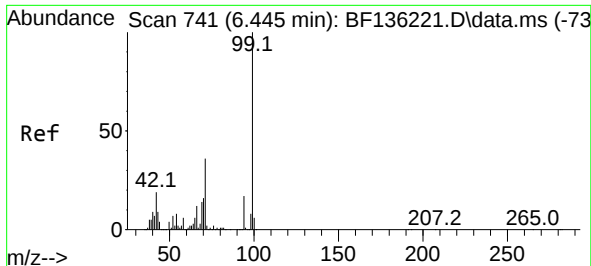
Tgt Ion:152 Resp: 136913
Ion Ratio Lower Upper
152 100
150 166.4 137.8 206.8
115 65.6 52.7 79.1



#5
2-Fluorophenol
Concen: 38.383 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.000 min
Lab File: BF136344.D
Acq: 01 Dec 2023 18:35

Tgt Ion:112 Resp: 377561
Ion Ratio Lower Upper
112 100
64 57.6 48.2 72.4
63 29.5 27.0 40.6





#7
Phenol-d6
Concen: 23.193 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136344.D
Acq: 01 Dec 2023 18:35

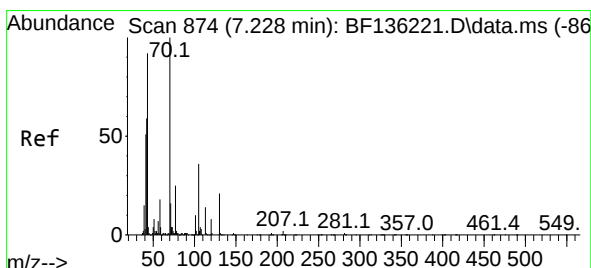
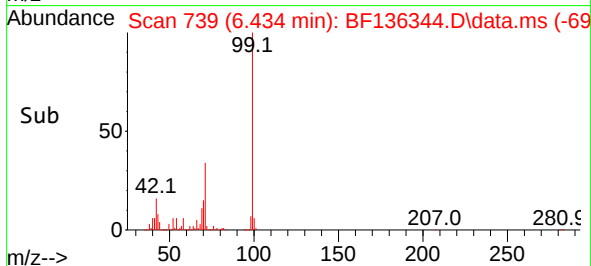
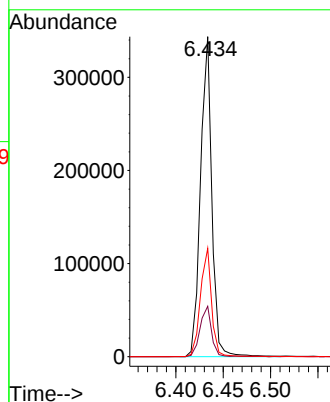
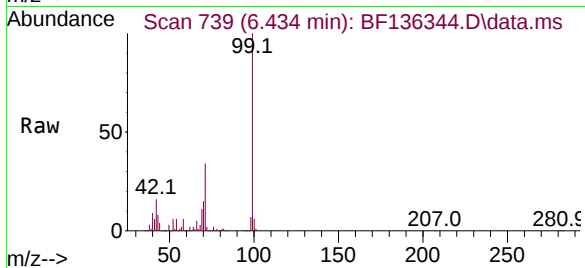
Instrument :

BNA_F

ClientSampleId :

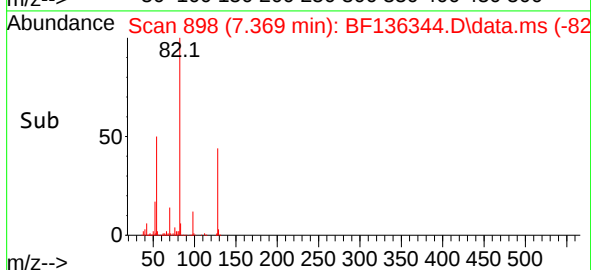
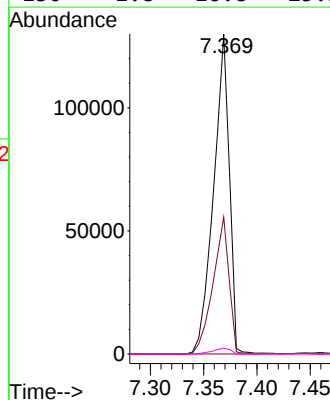
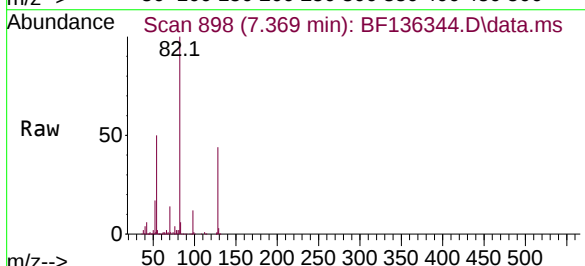
TWP13

Tgt Ion: 99 Resp: 285262
Ion Ratio Lower Upper
99 100
42 15.7 15.0 22.6
71 33.9 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 18.107 ng
RT: 7.369 min Scan# 898
Delta R.T. 0.141 min
Lab File: BF136344.D
Acq: 01 Dec 2023 18:35

Tgt Ion: 70 Resp: 133202
Ion Ratio Lower Upper
70 100
42 42.8 47.0 70.4#
101 0.0 7.8 11.8#
130 1.8 16.8 25.2#

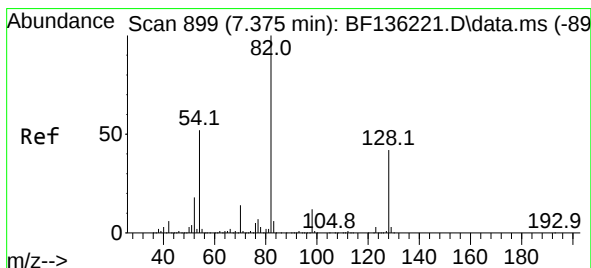
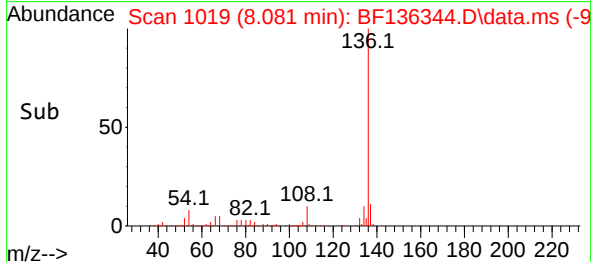
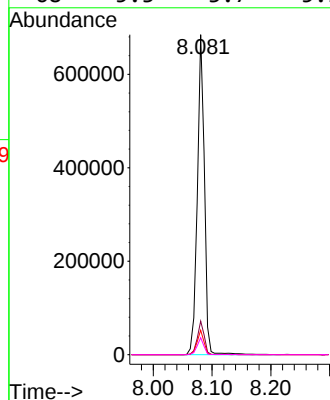
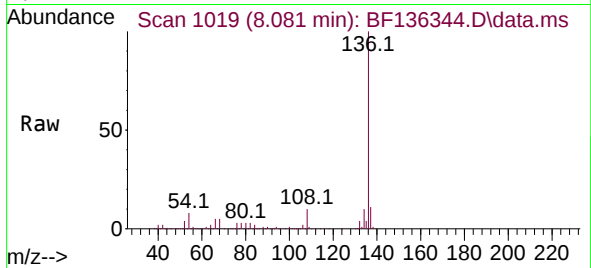




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136344.D
Acq: 01 Dec 2023 18:35

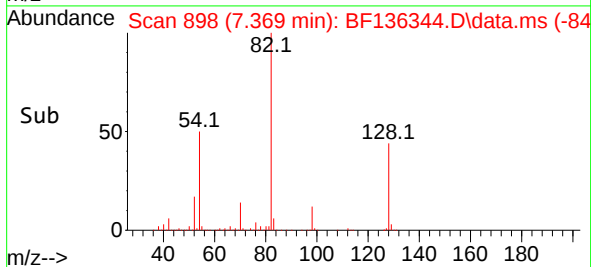
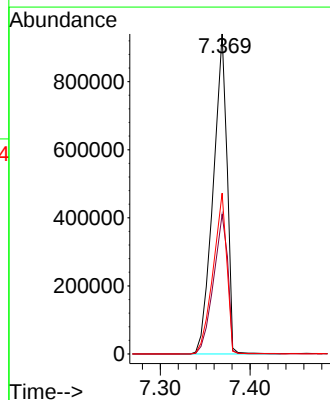
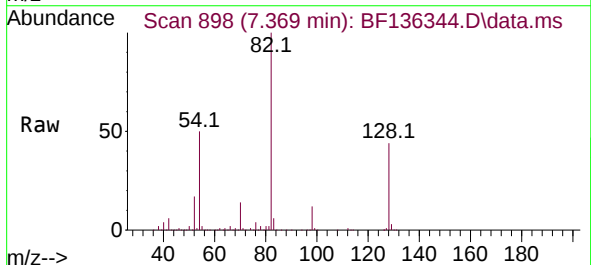
Instrument :
BNA_F
ClientSampleId :
TWP13

Tgt Ion:136 Resp: 576499
Ion Ratio Lower Upper
136 100
137 10.5 7.4 11.2
54 7.7 5.5 8.3
68 5.3 3.7 5.5



#23
Nitrobenzene-d5
Concen: 92.590 ng
RT: 7.369 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF136344.D
Acq: 01 Dec 2023 18:35

Tgt Ion: 82 Resp: 1010120
Ion Ratio Lower Upper
82 100
128 43.7 33.4 50.2
54 50.2 41.7 62.5

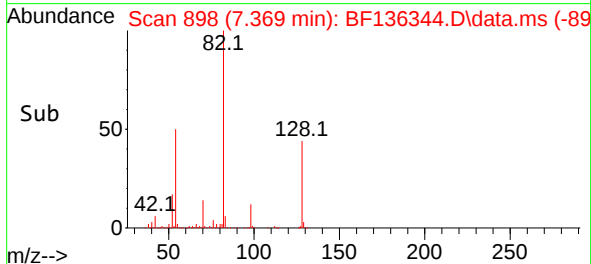
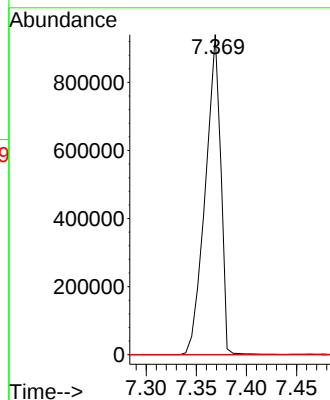
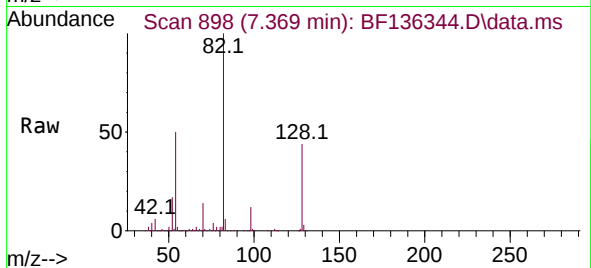




#25
Isophorone
Concen: 51.299 ng
RT: 7.369 min Scan# 89
Delta R.T. -0.259 min
Lab File: BF136344.D
Acq: 01 Dec 2023 18:35

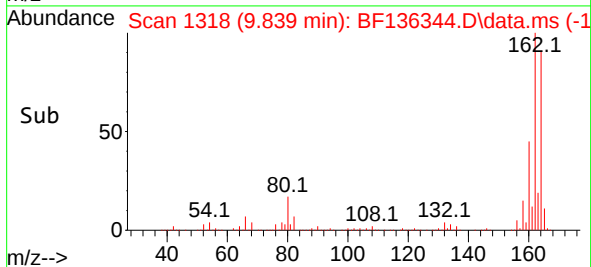
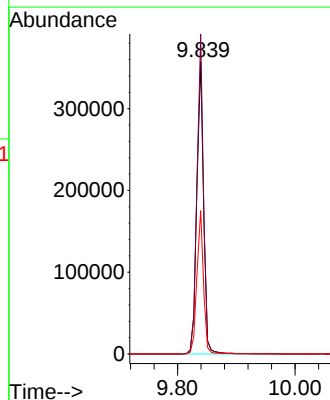
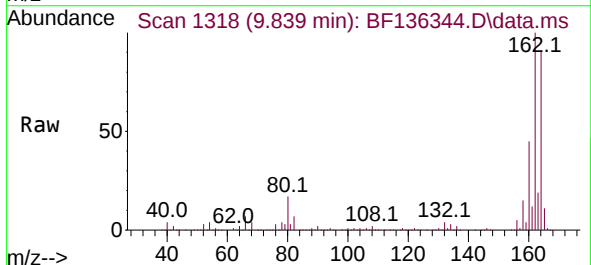
Instrument :
BNA_F
ClientSampleId :
TWP13

Tgt Ion: 82 Resp: 1009128
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: BF136344.D
Acq: 01 Dec 2023 18:35

Tgt Ion:164 Resp: 284969
Ion Ratio Lower Upper
164 100
162 109.5 89.5 134.3
160 49.1 39.6 59.4

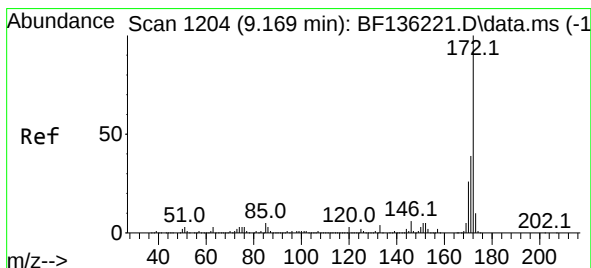
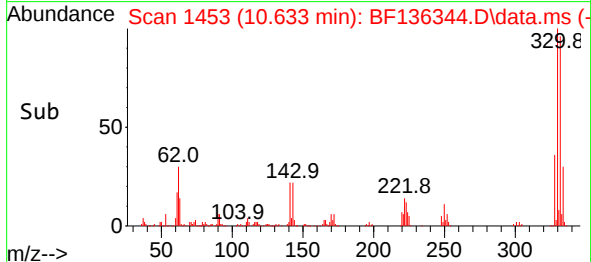
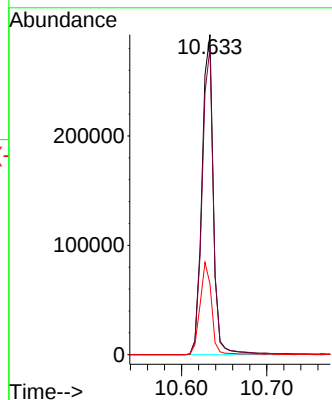
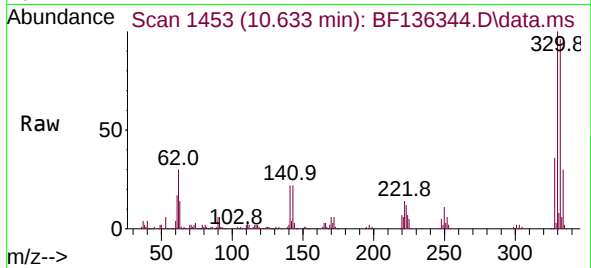




#42
2,4,6-Tribromophenol
Concen: 77.826 ng
RT: 10.633 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF136344.D
Acq: 01 Dec 2023 18:35

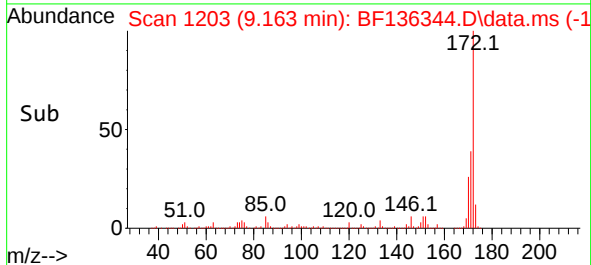
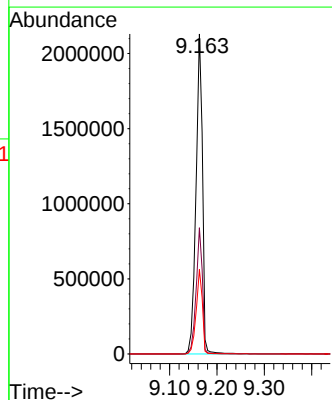
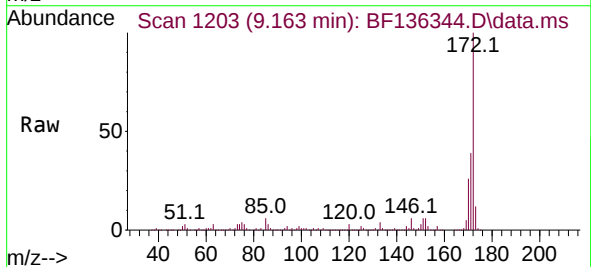
Instrument :
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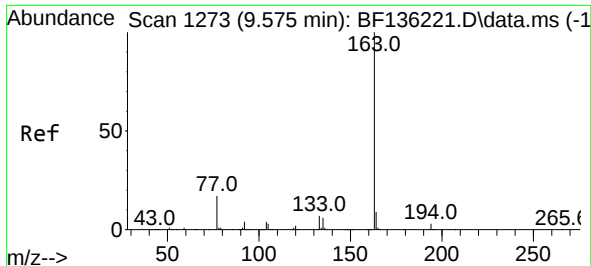
Tgt Ion:330 Resp: 271146
Ion Ratio Lower Upper
330 100
332 96.4 73.0 109.6
141 29.3 24.2 36.2



#45
2-Fluorobiphenyl
Concen: 91.210 ng
RT: 9.163 min Scan# 1203
Delta R.T. -0.006 min
Lab File: BF136344.D
Acq: 01 Dec 2023 18:35

Tgt Ion:172 Resp: 2034918
Ion Ratio Lower Upper
172 100
171 39.4 31.5 47.3
170 26.4 20.8 31.2

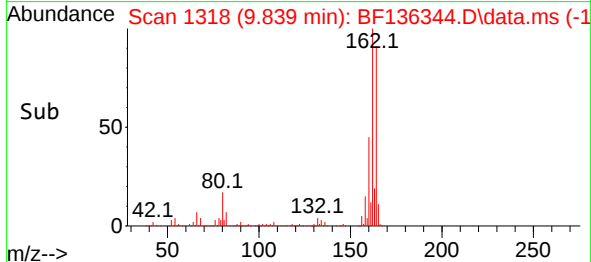
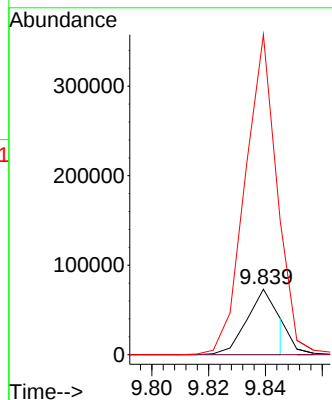
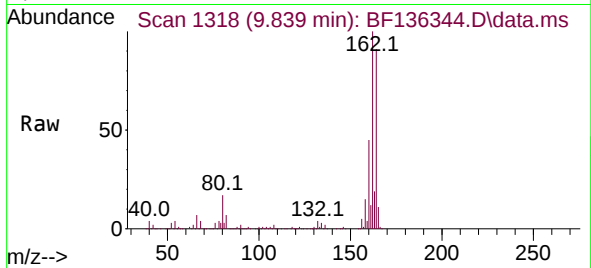




#50
Dimethylphthalate
Concen: 2.636 ng
RT: 9.839 min Scan# 1318
Delta R.T. 0.265 min
Lab File: BF136344.D
Acq: 01 Dec 2023 18:35

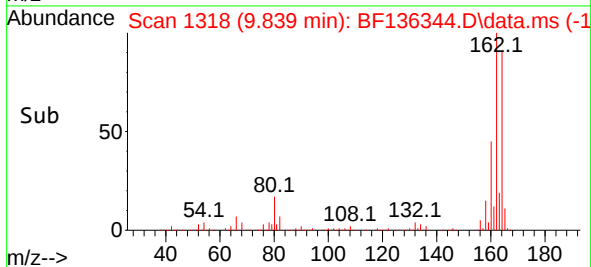
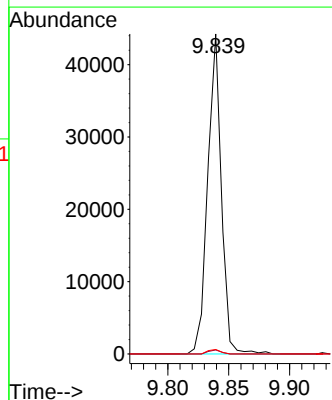
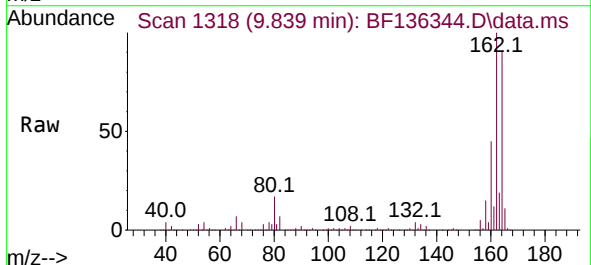
Instrument :
BNA_F
ClientSampleId :
TWP13

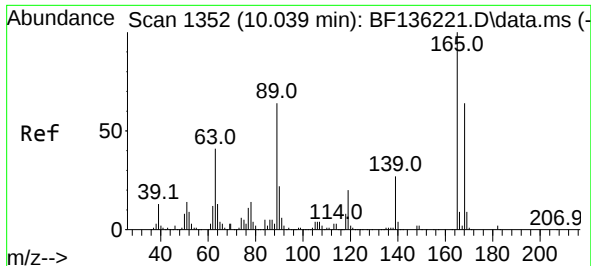
Tgt Ion:163 Resp: 56781
Ion Ratio Lower Upper
163 100
194 0.0 2.5 3.7#
164 488.8 7.0 10.6#



#51
2,6-Dinitrotoluene
Concen: 7.849 ng
RT: 9.839 min Scan# 1318
Delta R.T. 0.206 min
Lab File: BF136344.D
Acq: 01 Dec 2023 18:35

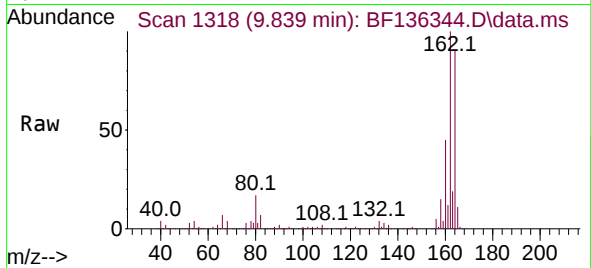
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Ion Ratio Lower Upper
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63 1.2 46.2 69.2#
89 1.4 44.9 67.3#



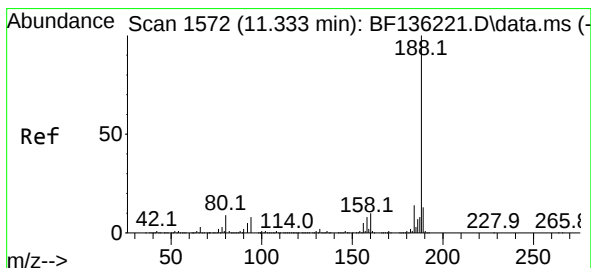
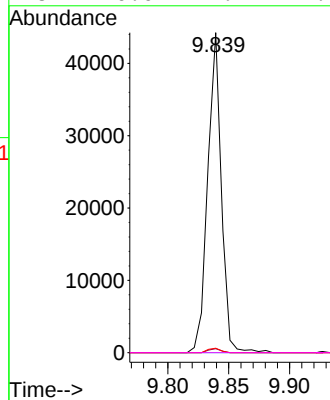
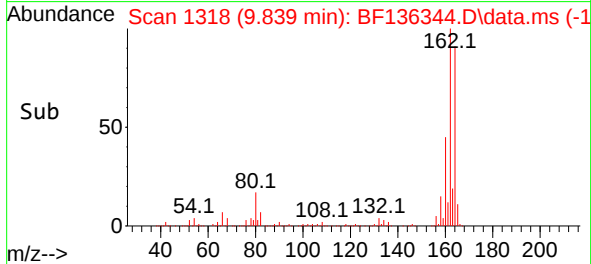


#57
2,4-Dinitrotoluene
Concen: 5.876 ng
RT: 9.839 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF136344.D
Acq: 01 Dec 2023 18:35

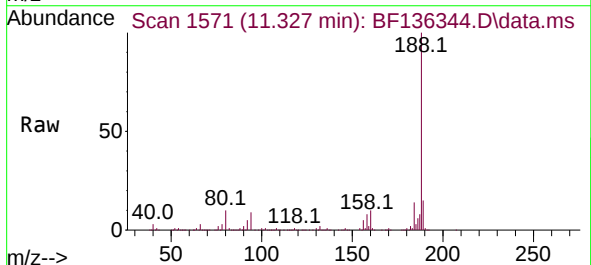
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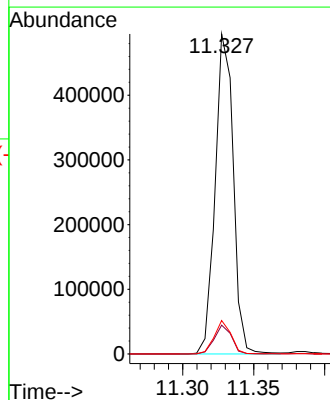
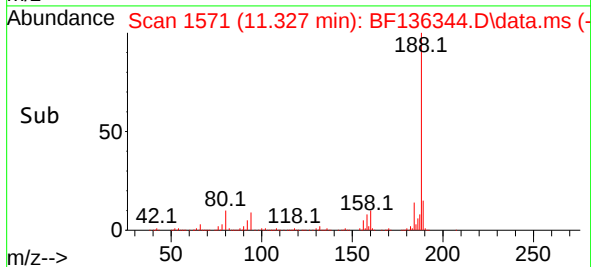
Tgt Ion:165 Resp: 34539
Ion Ratio Lower Upper
165 100
63 1.2 33.0 49.4#
89 1.4 51.5 77.3#
182 0.0 1.9 2.9#

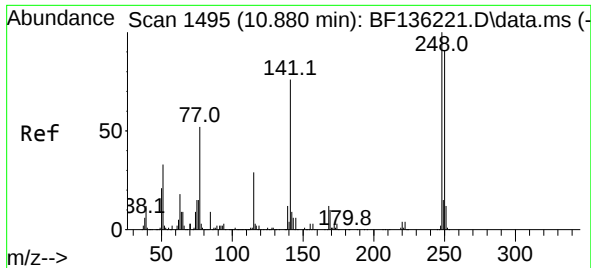


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF136344.D
Acq: 01 Dec 2023 18:35



Tgt Ion:188 Resp: 437409
Ion Ratio Lower Upper
188 100
94 9.0 6.7 10.1
80 10.5 7.2 10.8

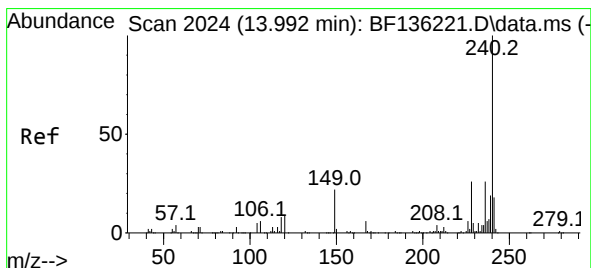
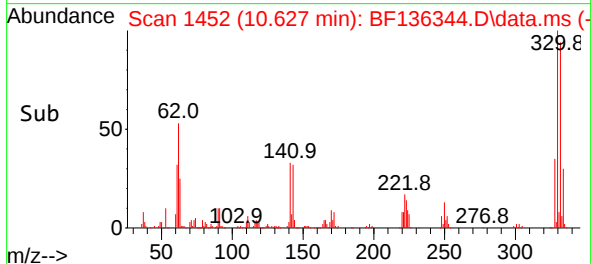
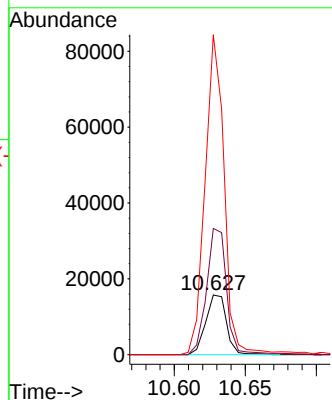
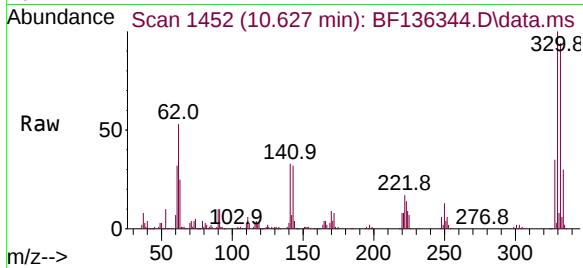




#67
4-Bromophenyl-phenylether
Concen: 3.132 ng
RT: 10.627 min Scan# 1495
Delta R.T. -0.253 min
Lab File: BF136344.D
Acq: 01 Dec 2023 18:35

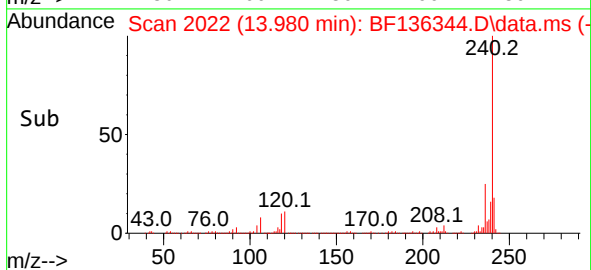
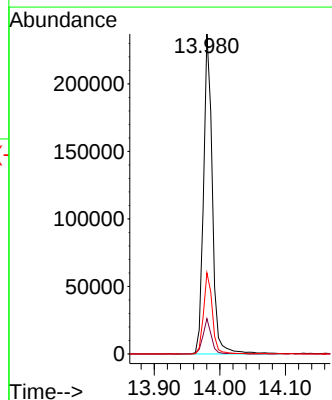
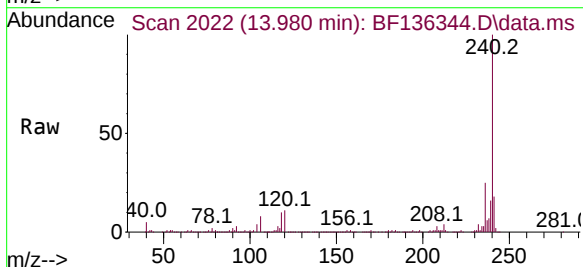
Instrument :
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ClientSampleId :
TWP13

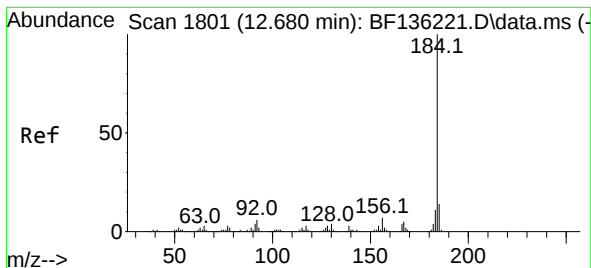
Tgt Ion:248 Resp: 15981
Ion Ratio Lower Upper
248 100
250 211.5 72.5 108.7#
141 535.9 60.8 91.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF136344.D
Acq: 01 Dec 2023 18:35

Tgt Ion:240 Resp: 222706
Ion Ratio Lower Upper
240 100
120 11.1 7.4 11.2
236 25.4 21.1 31.7





#77

Benzidine

Concen: 4.658 ng

RT: 12.927 min Scan# 1843

Delta R.T. 0.247 min

Lab File: BF136344.D

Acq: 01 Dec 2023 18:35

Instrument :

BNA_F

ClientSampleId :

TWP13

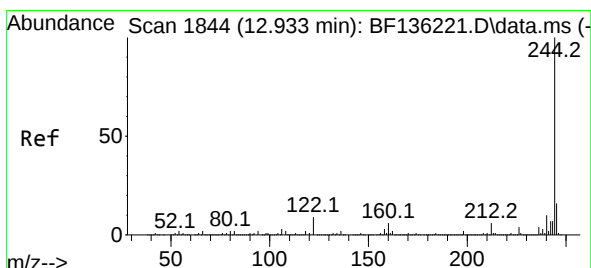
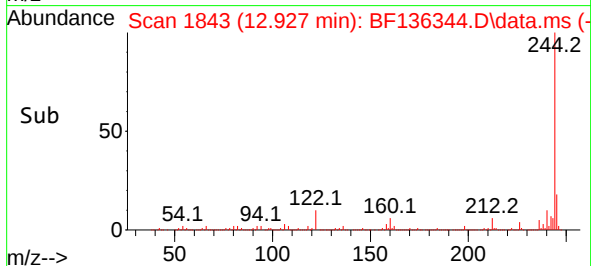
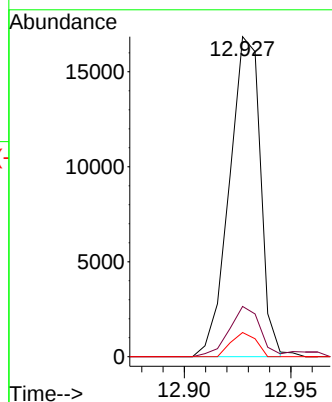
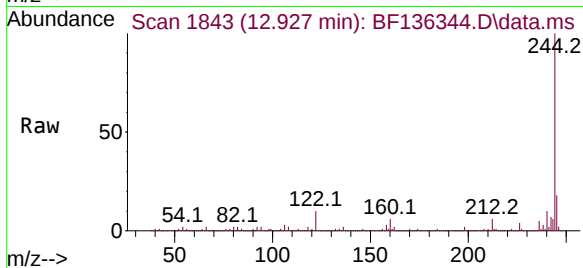
Tgt Ion:184 Resp: 17052

Ion Ratio Lower Upper

184 100

185 15.7 11.0 16.6

183 7.6 9.0 13.4#



#79

Terphenyl-d14

Concen: 78.019 ng

RT: 12.927 min Scan# 1843

Delta R.T. -0.006 min

Lab File: BF136344.D

Acq: 01 Dec 2023 18:35

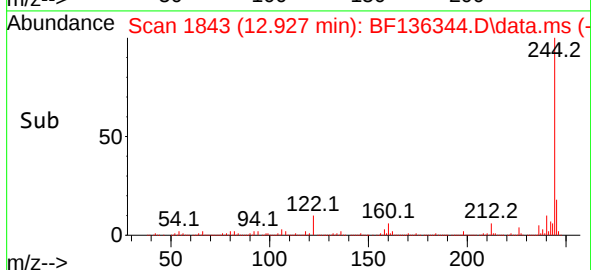
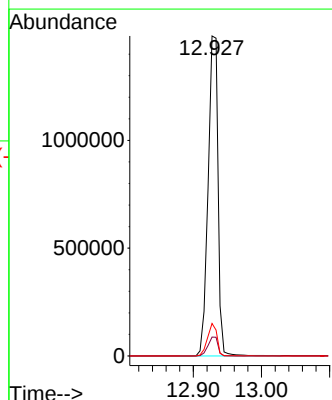
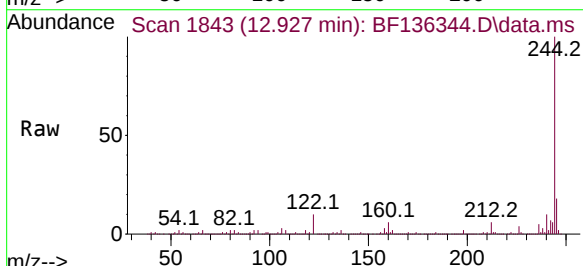
Tgt Ion:244 Resp: 1506335

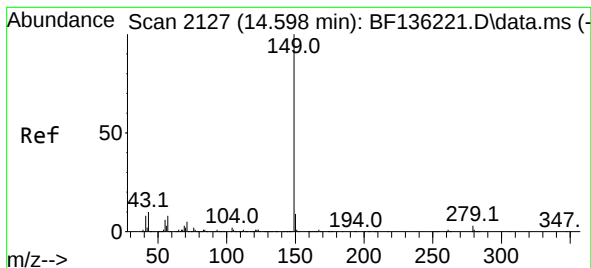
Ion Ratio Lower Upper

244 100

212 5.9 4.6 7.0

122 10.2 7.3 10.9

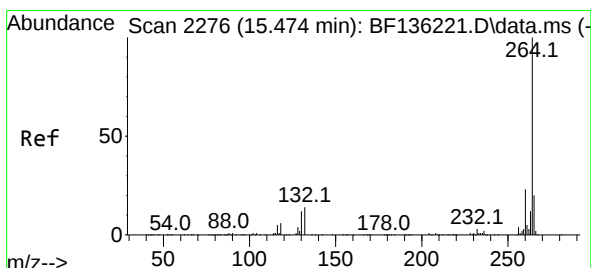
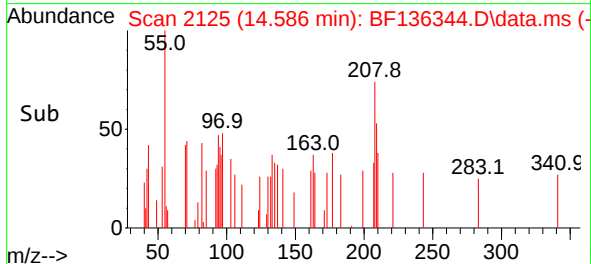
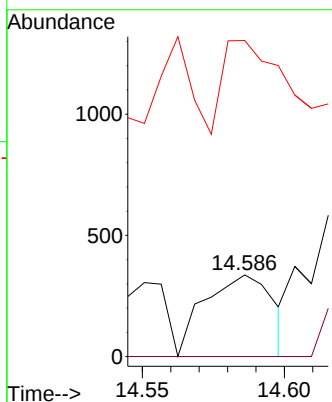
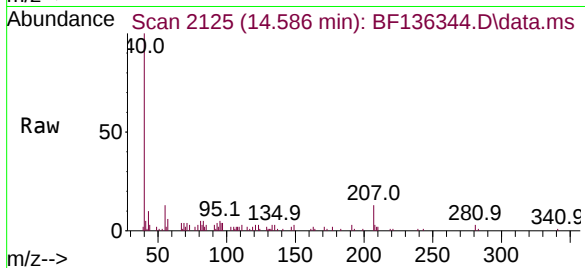




#85
Di-n-octyl phthalate
Concen: 5.196 ng
RT: 14.586 min Scan# 2125
Delta R.T. -0.012 min
Lab File: BF136344.D
Acq: 01 Dec 2023 18:35

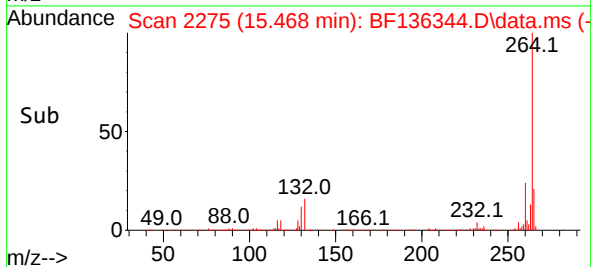
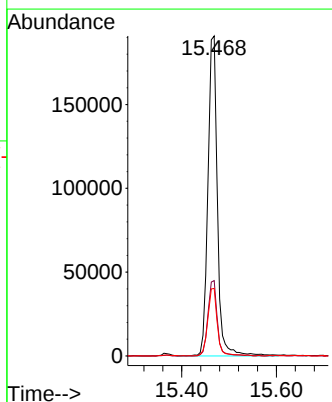
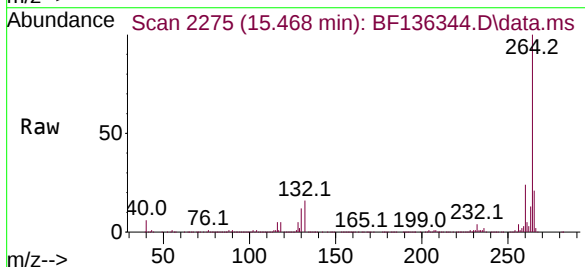
Instrument :
BNA_F
ClientSampleId :
TWP13

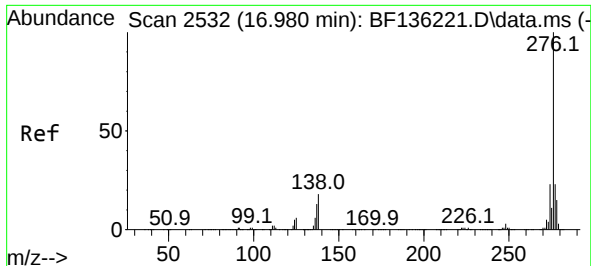
Tgt Ion:149 Resp: 563
Ion Ratio Lower Upper
149 100
167 0.0 1.0 1.6#
43 113.9 7.2 10.8#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.006 min
Lab File: BF136344.D
Acq: 01 Dec 2023 18:35

Tgt Ion:264 Resp: 265949
Ion Ratio Lower Upper
264 100
260 23.6 18.6 27.8
265 21.1 15.7 23.5

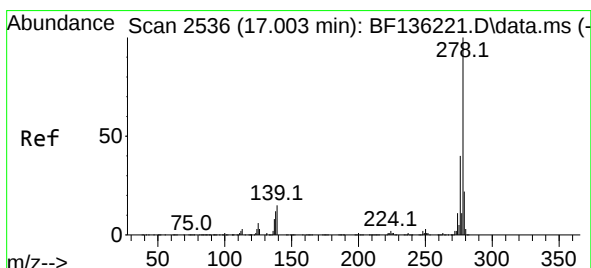
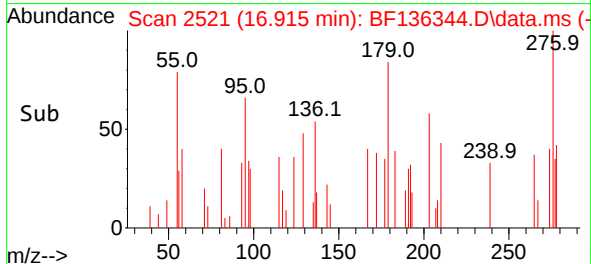
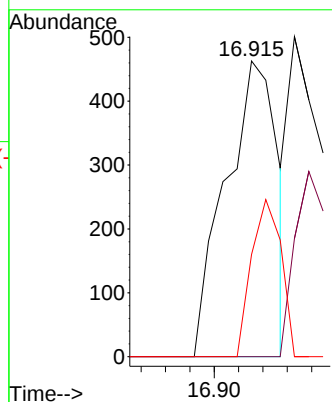
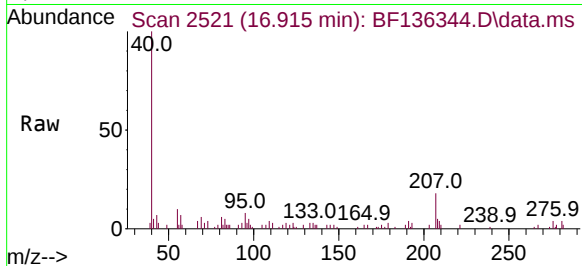




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.712 ng
 RT: 16.915 min Scan# 21
 Delta R.T. -0.065 min
 Lab File: BF136344.D
 Acq: 01 Dec 2023 18:35

Instrument :
 BNA_F
 ClientSampleId :
 TWP13

Tgt Ion:276 Resp: 685
 Ion Ratio Lower Upper
 276 100
 138 0.0 17.7 26.5#
 277 30.4 19.6 29.4#



#91
 Dibenzo(a,h)anthracene
 Concen: 2.717 ng
 RT: 17.009 min Scan# 2537
 Delta R.T. 0.006 min
 Lab File: BF136344.D
 Acq: 01 Dec 2023 18:35

Tgt Ion:278 Resp: 68
 Ion Ratio Lower Upper
 278 100
 139 0.0 11.7 17.5#
 279 0.0 17.8 26.8#

