

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070124\
 Data File : BF138414.D
 Acq On : 01 Jul 2024 20:34
 Operator : CG\JU
 Sample : P3076-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 7-W-1

Quant Time: Jul 02 01:16:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 29 02:44:30 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

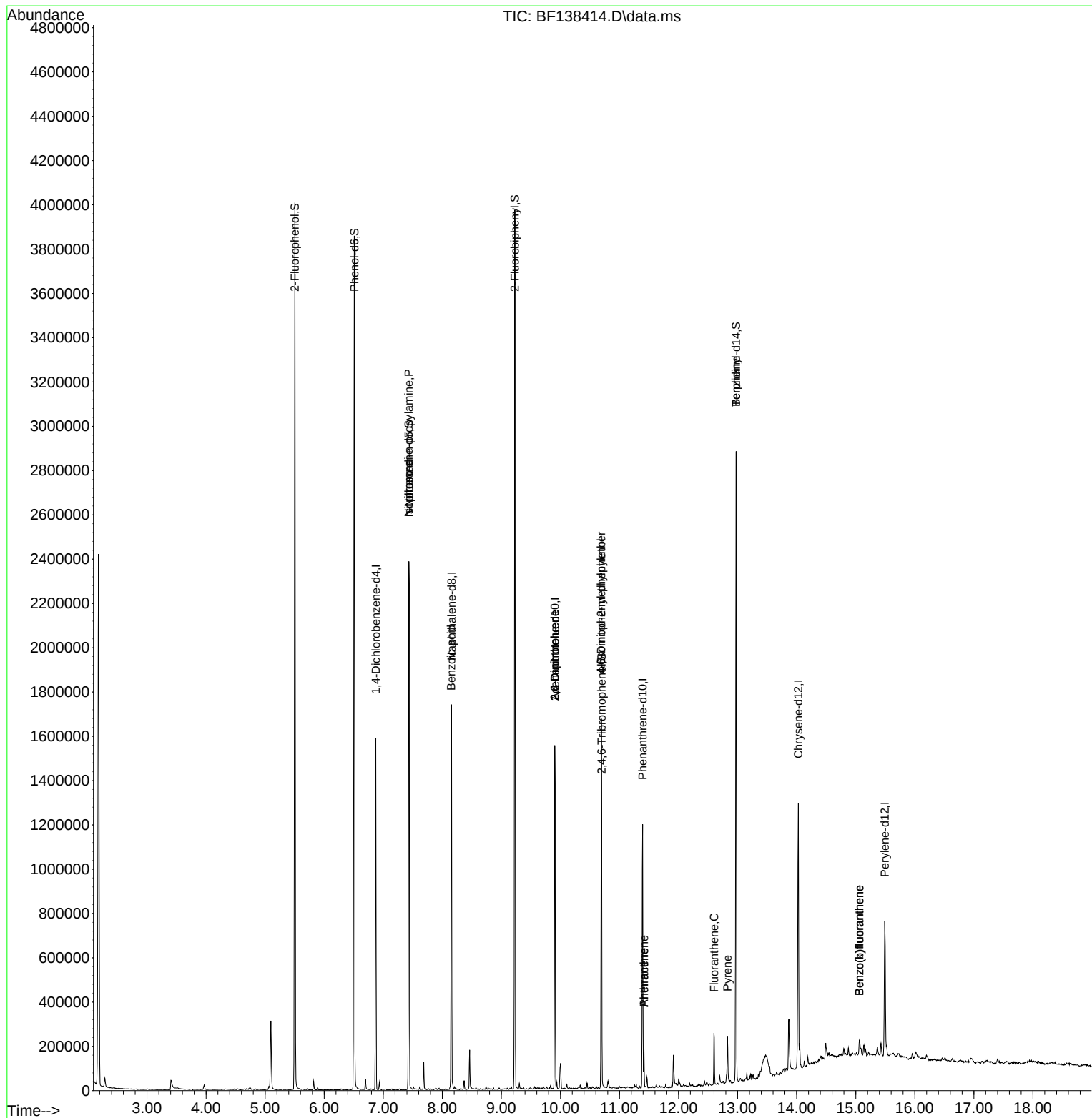
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	193270	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	712949	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	308297	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	412740	20.000	ng	0.00
76) Chrysene-d12	14.027	240	364782	20.000	ng	0.00
86) Perylene-d12	15.492	264	277029	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	948524	81.368	ng	0.00
7) Phenol-d6	6.510	99	1221114	77.761	ng	0.00
23) Nitrobenzene-d5	7.434	82	759767	55.359	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	169674	67.362	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1094837	56.516	ng	0.00
79) Terphenyl-d14	12.974	244	888557	33.381	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	101019	10.204	ng	# 77
25) Isophorone	7.434	82	755495	29.854	ng	# 67
32) Benzoic acid	8.151	122	126	4.116	ng	# 1
51) 2,6-Dinitrotoluene	9.904	165	39238	8.842	ng	# 20
57) 2,4-Dinitrotoluene	9.904	165	39238	7.181	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.692	198	426	5.969	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	11206	2.526	ng	# 1
71) Phenanthrene	11.416	178	56867	2.822	ng	96
72) Anthracene	11.416	178	56867	2.830	ng	98
75) Fluoranthene	12.604	202	87302	4.832	ng	98
77) Benzidine	12.974	184	11788	4.041	ng	# 93
78) Pyrene	12.827	202	82618	2.119	ng	97
88) Benzo(b)fluoranthene	15.062	252	49625	3.265	ng	# 90
89) Benzo(k)fluoranthene	15.062	252	49625	3.545	ng	# 91

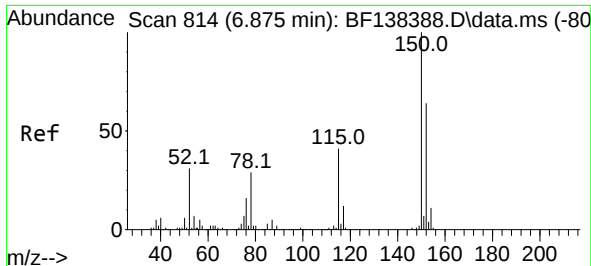
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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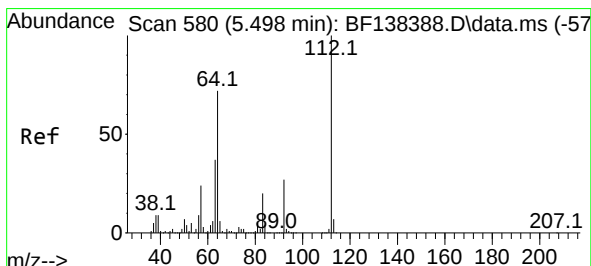
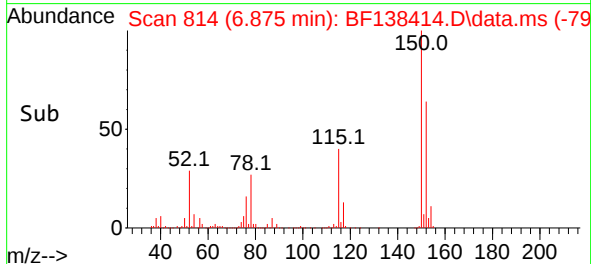
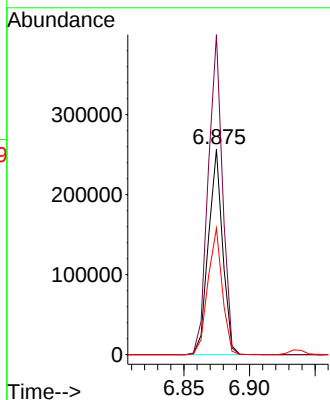
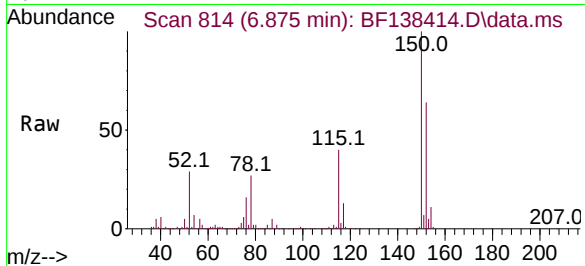




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF138414.D
Acq: 01 Jul 2024 20:34

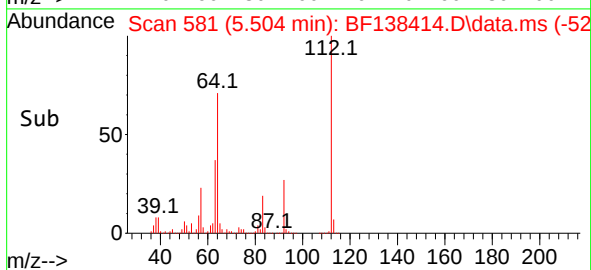
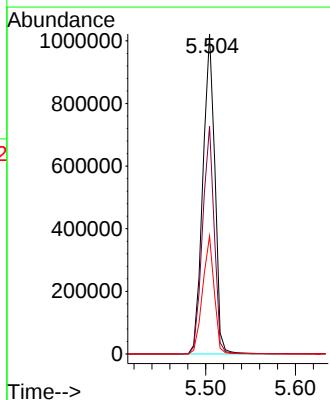
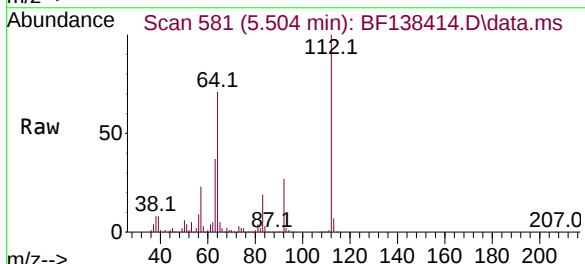
Instrument :
BNA_F
ClientSampleId :
7-W-1

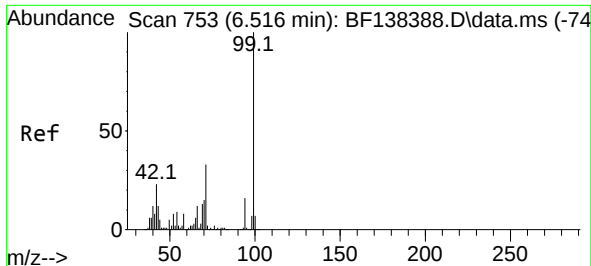
Tgt Ion:152 Resp: 193270
Ion Ratio Lower Upper
152 100
150 155.8 124.9 187.3
115 61.6 50.8 76.2



#5
2-Fluorophenol
Concen: 81.368 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.006 min
Lab File: BF138414.D
Acq: 01 Jul 2024 20:34

Tgt Ion:112 Resp: 948524
Ion Ratio Lower Upper
112 100
64 71.2 57.2 85.8
63 36.9 29.4 44.0

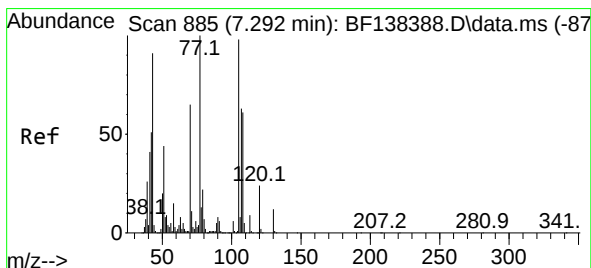
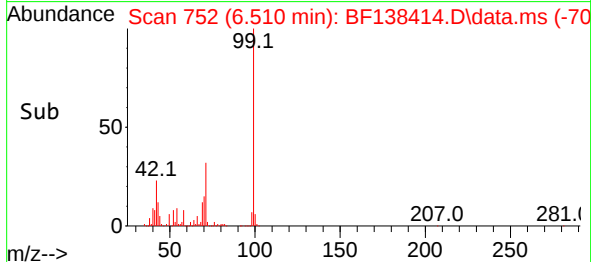
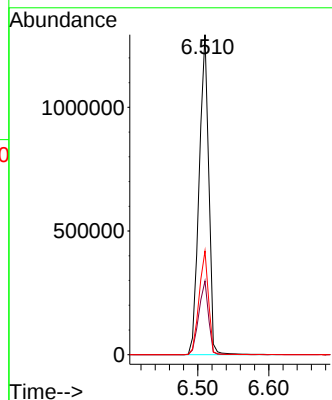
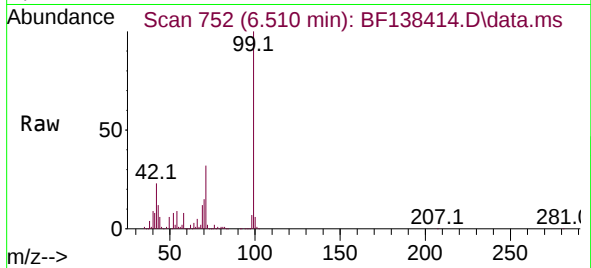




#7
Phenol-d6
Concen: 77.761 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138414.D
Acq: 01 Jul 2024 20:34

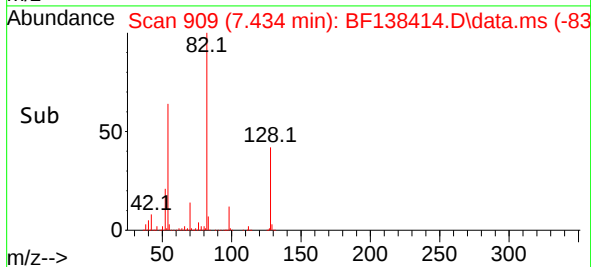
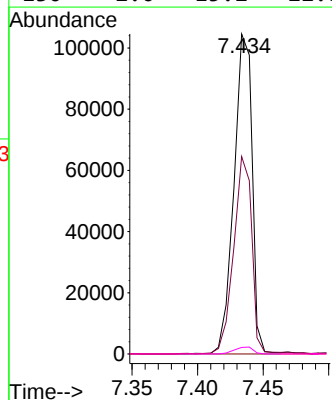
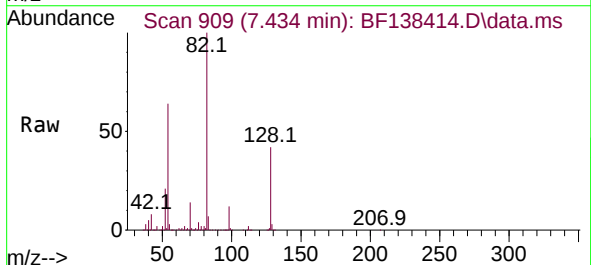
Instrument :
BNA_F
ClientSampleId :
7-W-1

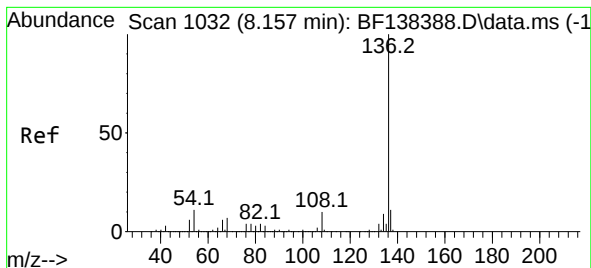
Tgt Ion: 99 Resp: 1221114
Ion Ratio Lower Upper
99 100
42 23.1 18.5 27.7
71 32.4 26.1 39.1



#19
n-Nitroso-di-n-propylamine
Concen: 10.204 ng
RT: 7.434 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF138414.D
Acq: 01 Jul 2024 20:34

Tgt Ion: 70 Resp: 101019
Ion Ratio Lower Upper
70 100
42 61.7 62.5 93.7#
101 0.0 7.0 10.4#
130 2.0 15.2 22.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF138414.D

Acq: 01 Jul 2024 20:34

Instrument :

BNA_F

ClientSampleId :

7-W-1

Tgt Ion:136 Resp: 712949

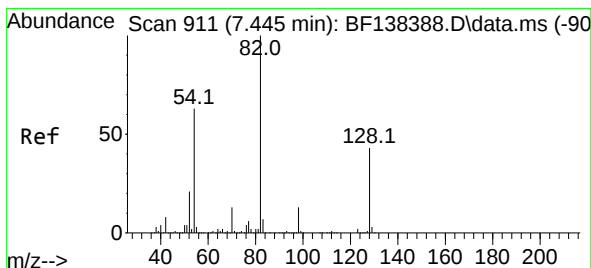
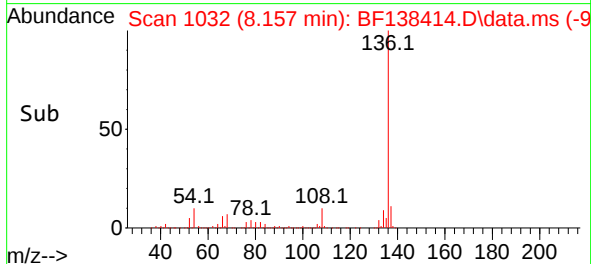
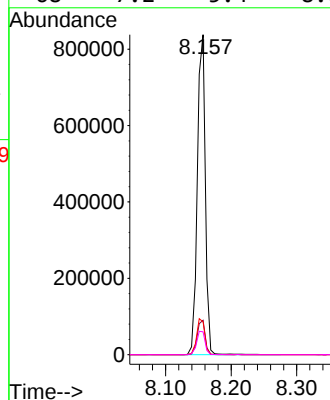
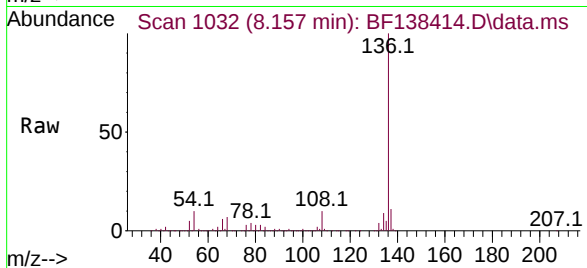
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 10.3 9.0 13.4

68 7.2 5.4 8.0



#23

Nitrobenzene-d5

Concen: 55.359 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF138414.D

Acq: 01 Jul 2024 20:34

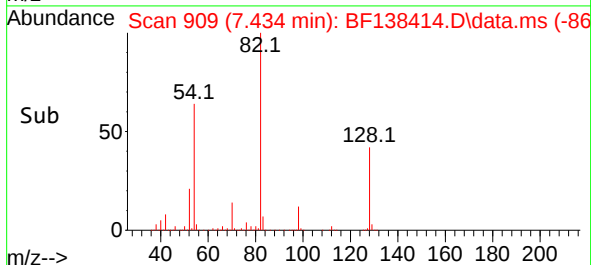
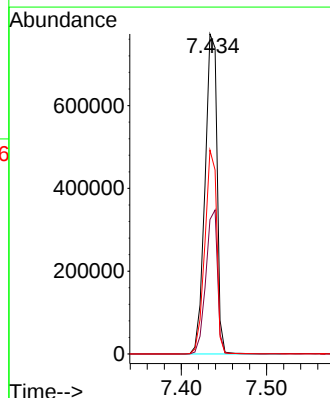
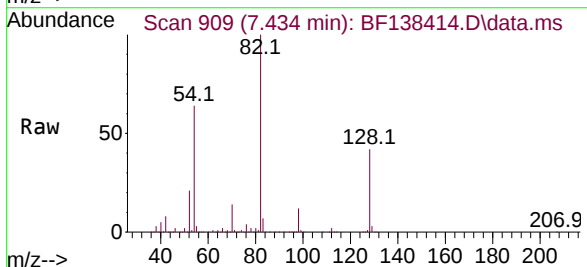
Tgt Ion: 82 Resp: 759767

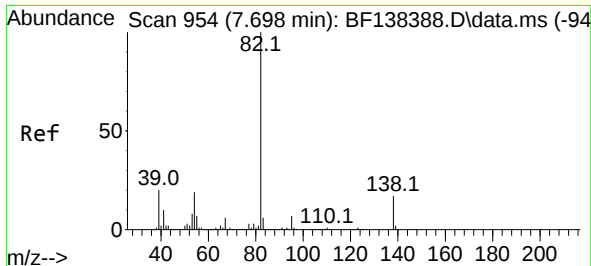
Ion Ratio Lower Upper

82 100

128 42.0 34.6 52.0

54 63.7 50.5 75.7

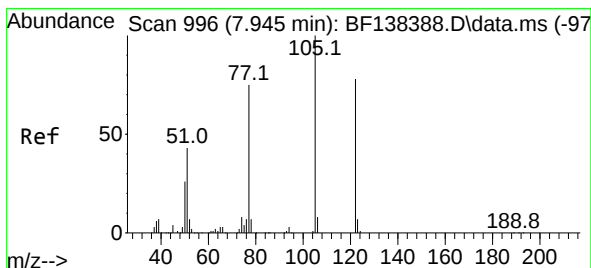
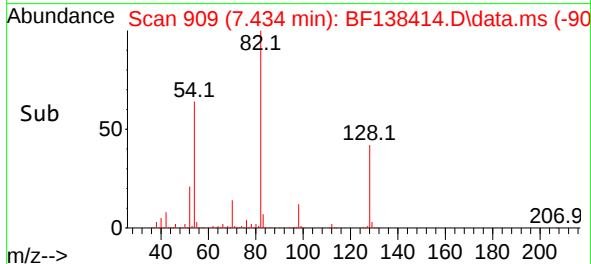
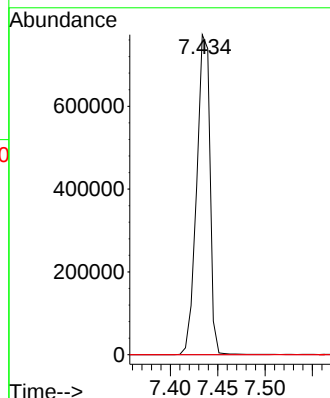
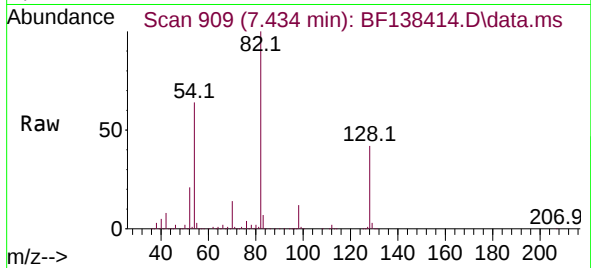




#25
Isophorone
Concen: 29.854 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF138414.D
Acq: 01 Jul 2024 20:34

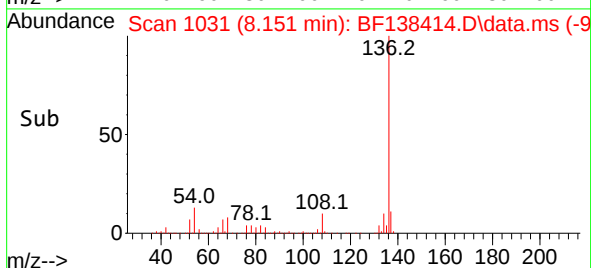
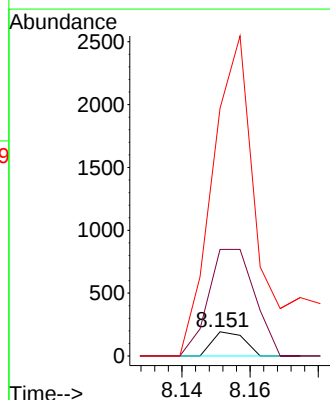
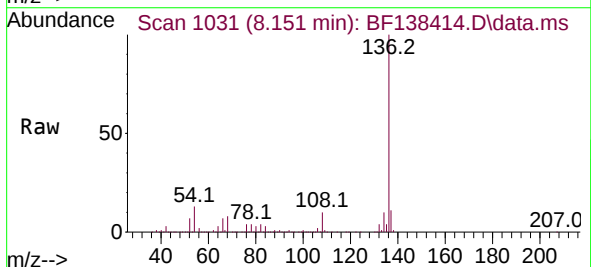
Instrument :
BNA_F
ClientSampleId :
7-W-1

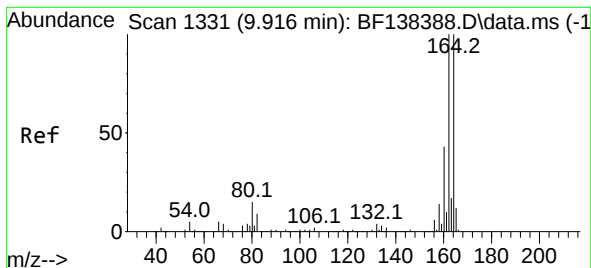
Tgt Ion: 82 Resp: 755495
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.4 20.2#



#32
Benzoic acid
Concen: 4.116 ng
RT: 8.151 min Scan# 1031
Delta R.T. 0.206 min
Lab File: BF138414.D
Acq: 01 Jul 2024 20:34

Tgt Ion: 122 Resp: 126
Ion Ratio Lower Upper
122 100
105 441.7 103.8 143.8#
77 1026.6 74.3 114.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138414.D

Acq: 01 Jul 2024 20:34

Instrument :

BNA_F

ClientSampleId :

7-W-1

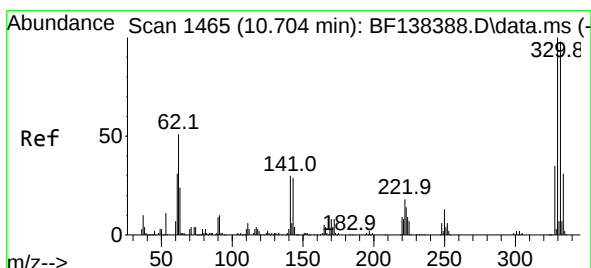
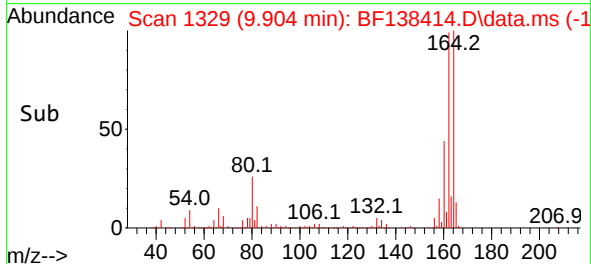
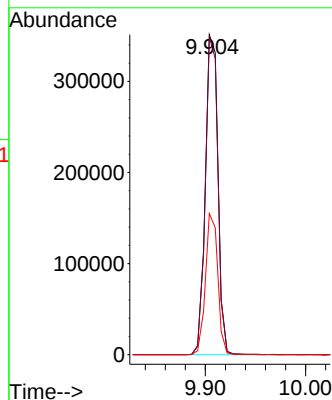
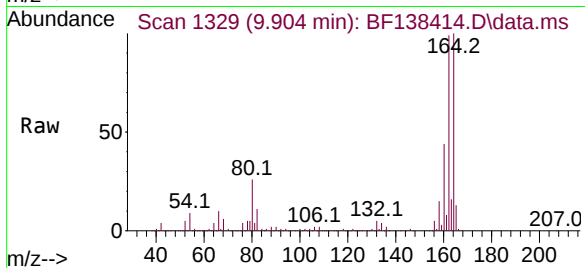
Tgt Ion:164 Resp: 308297

Ion Ratio Lower Upper

164 100

162 99.2 80.1 120.1

160 44.1 34.1 51.1



#42

2,4,6-Tribromophenol

Concen: 67.362 ng

RT: 10.698 min Scan# 1464

Delta R.T. -0.006 min

Lab File: BF138414.D

Acq: 01 Jul 2024 20:34

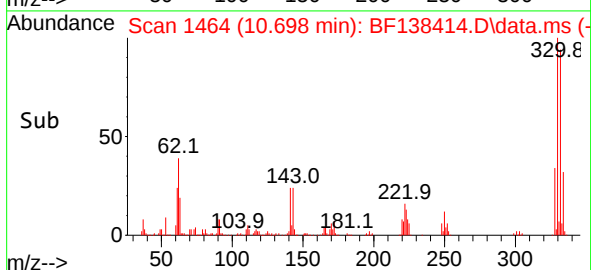
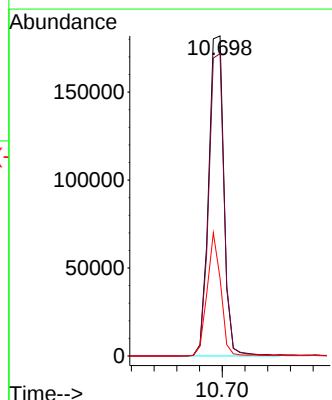
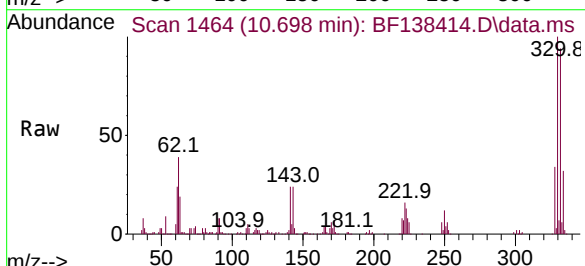
Tgt Ion:330 Resp: 169674

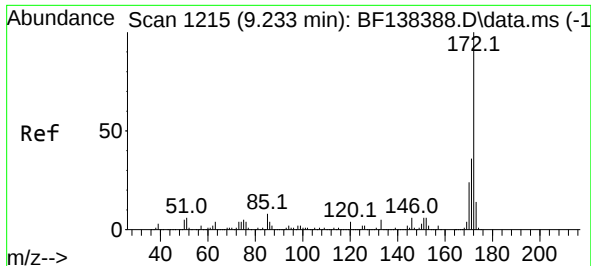
Ion Ratio Lower Upper

330 100

332 95.1 77.0 115.6

141 34.5 28.1 42.1

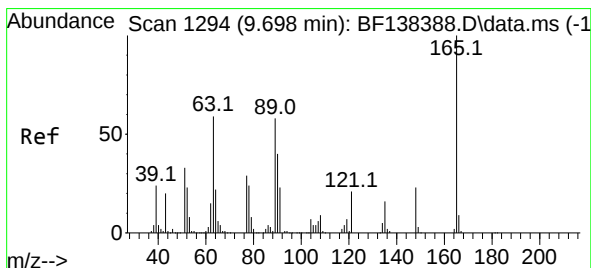
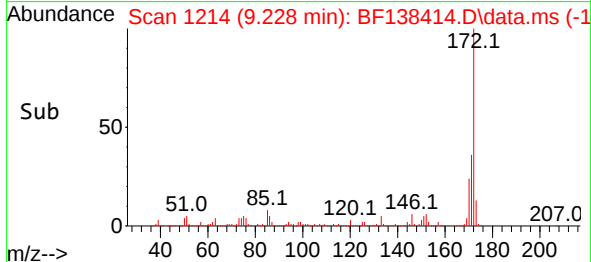
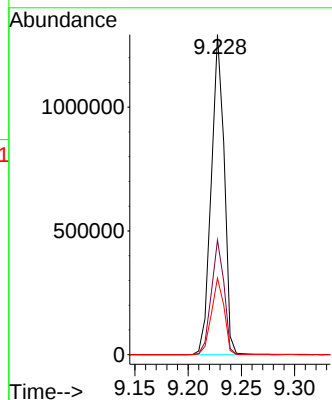
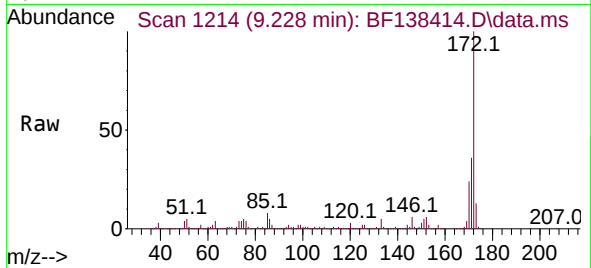




#45
2-Fluorobiphenyl
Concen: 56.516 ng
RT: 9.228 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF138414.D
Acq: 01 Jul 2024 20:34

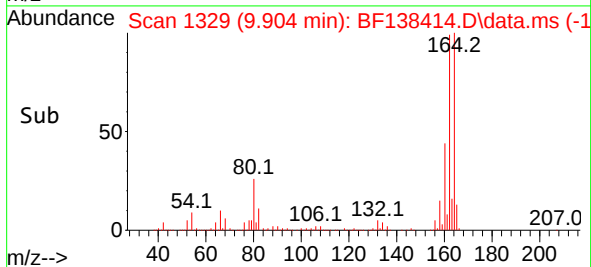
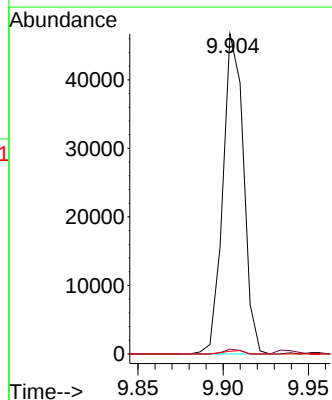
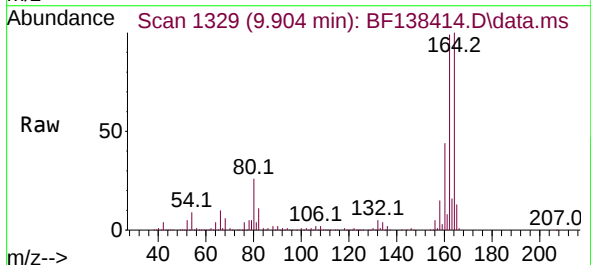
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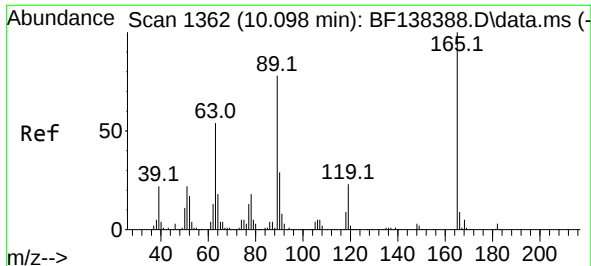
Tgt Ion:172 Resp: 1094837
Ion Ratio Lower Upper
172 100
171 35.8 29.0 43.4
170 23.9 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 8.842 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.206 min
Lab File: BF138414.D
Acq: 01 Jul 2024 20:34

Tgt Ion:165 Resp: 39238
Ion Ratio Lower Upper
165 100
63 1.5 53.8 80.8#
89 0.9 46.4 69.6#

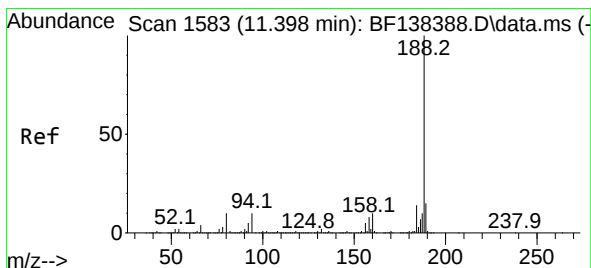
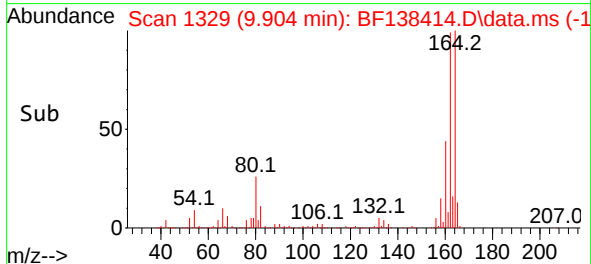
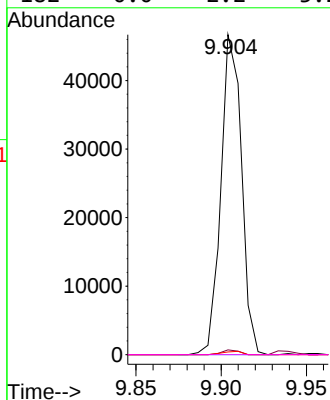
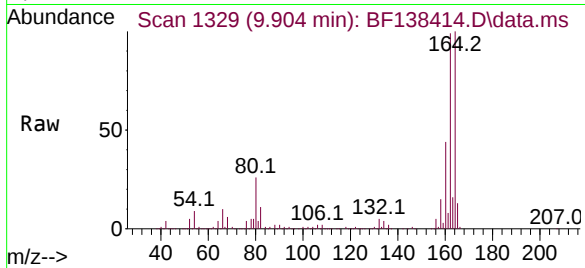




#57
2,4-Dinitrotoluene
Concen: 7.181 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF138414.D
Acq: 01 Jul 2024 20:34

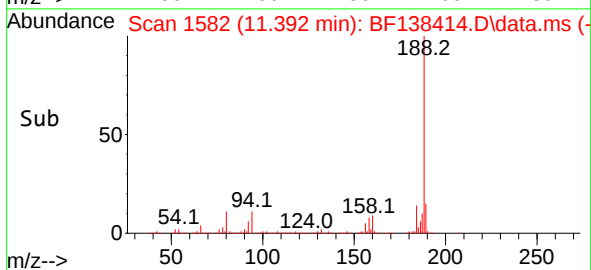
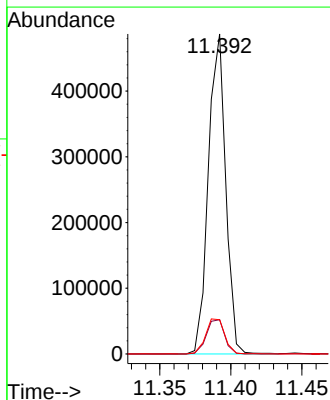
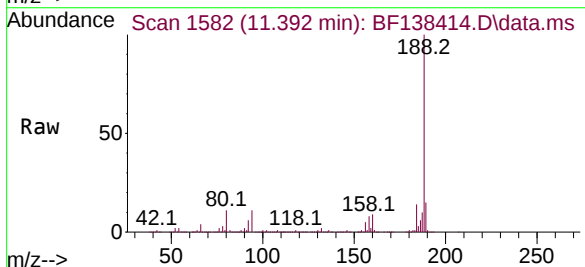
Instrument :
BNA_F
ClientSampleId :
7-W-1

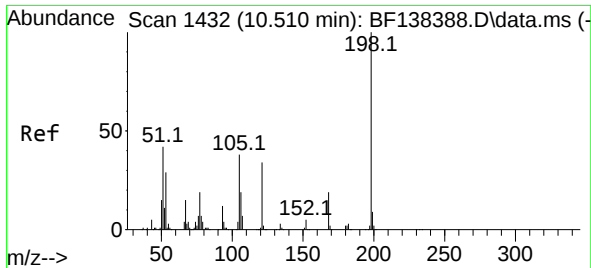
Tgt Ion:165 Resp: 39238
Ion Ratio Lower Upper
165 100
63 1.5 43.4 65.2#
89 0.9 62.6 93.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF138414.D
Acq: 01 Jul 2024 20:34

Tgt Ion:188 Resp: 412740
Ion Ratio Lower Upper
188 100
94 10.7 8.0 12.0
80 10.7 8.2 12.4

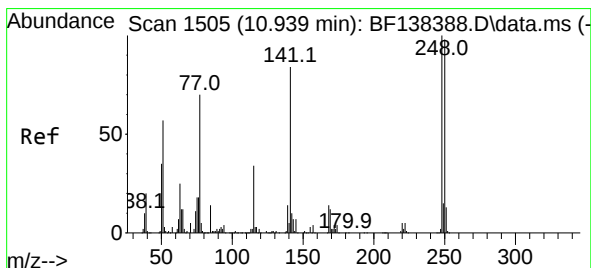
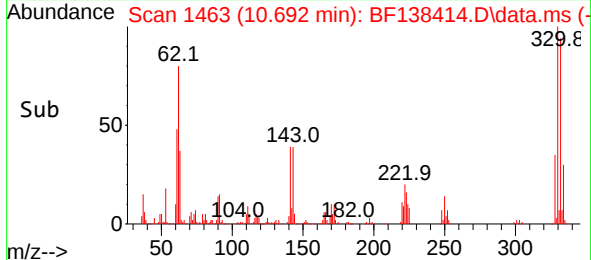
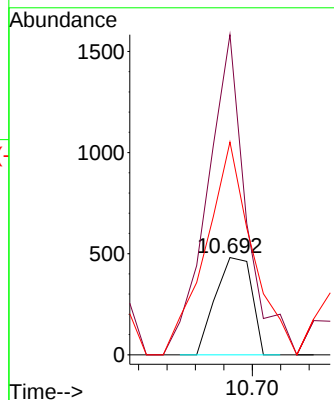
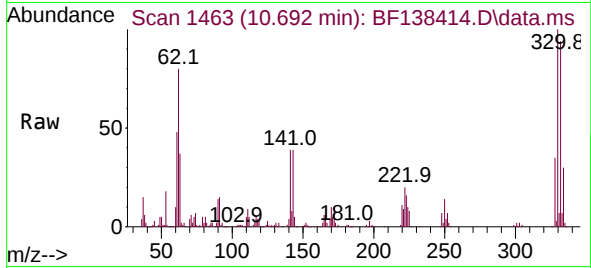




#65
4,6-Dinitro-2-methylphenol
Concen: 5.969 ng
RT: 10.692 min Scan# 1463
Delta R.T. 0.182 min
Lab File: BF138414.D
Acq: 01 Jul 2024 20:34

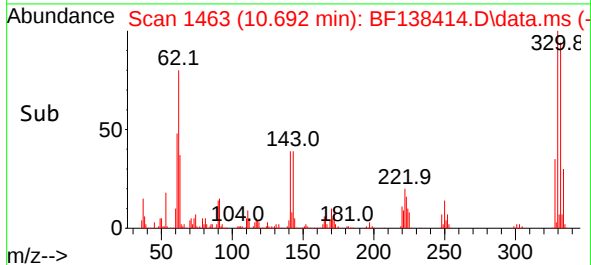
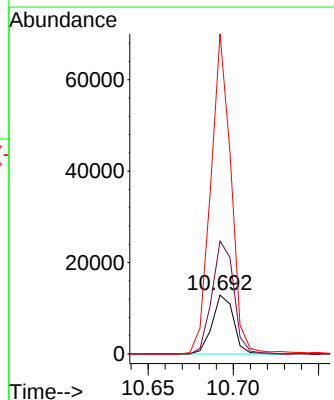
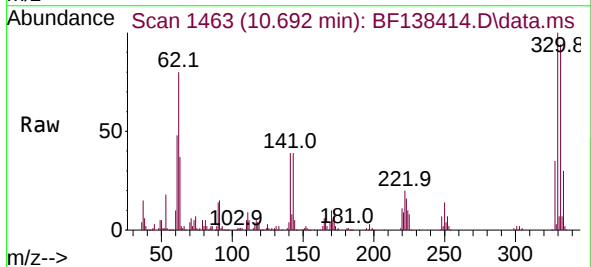
Instrument :
BNA_F
ClientSampleId :
7-W-1

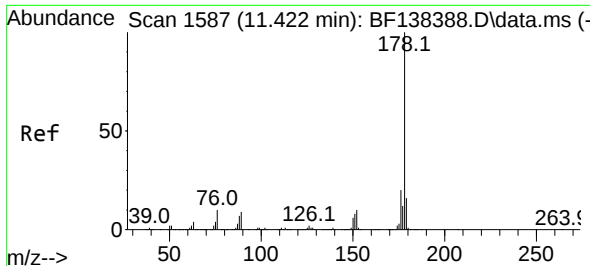
Tgt Ion:198 Resp: 426
Ion Ratio Lower Upper
198 100
51 329.1 27.9 67.9#
105 218.7 18.2 58.2#



#67
4-Bromophenyl-phenylether
Concen: 2.526 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF138414.D
Acq: 01 Jul 2024 20:34

Tgt Ion:248 Resp: 11206
Ion Ratio Lower Upper
248 100
250 192.1 78.2 117.4#
141 543.9 67.6 101.4#

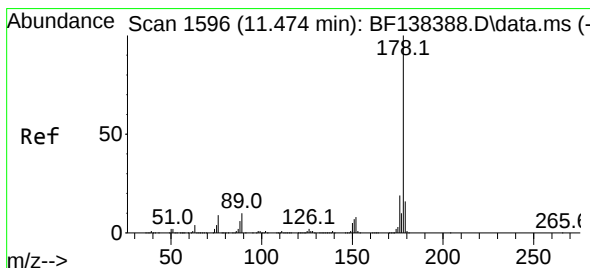
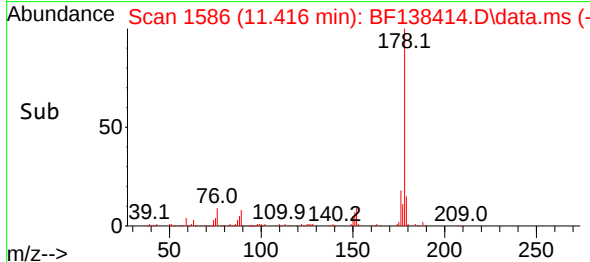
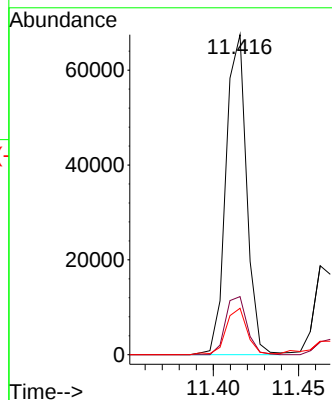
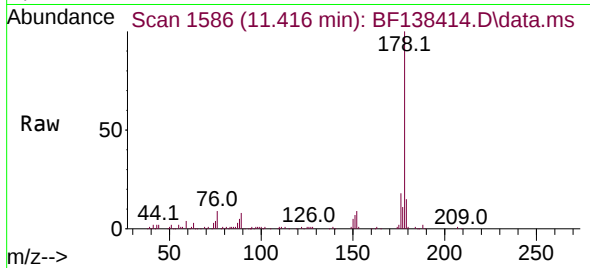




#71
Phenanthrene
Concen: 2.822 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF138414.D
Acq: 01 Jul 2024 20:34

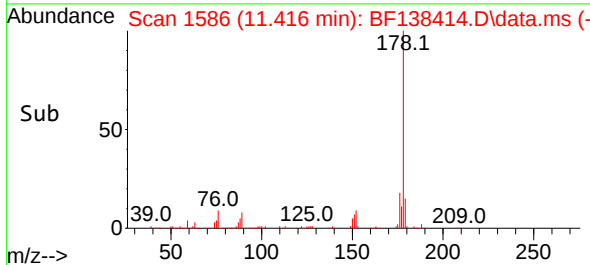
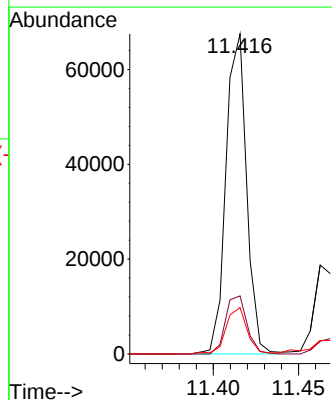
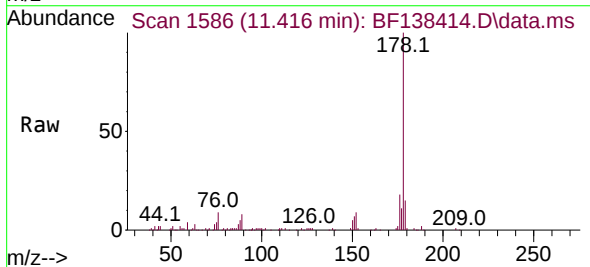
Instrument :
BNA_F
ClientSampleId :
7-W-1

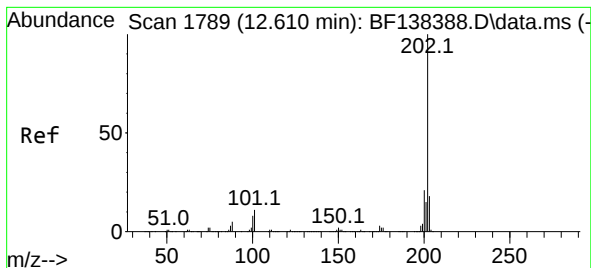
Tgt Ion:178 Resp: 56867
Ion Ratio Lower Upper
178 100
176 18.2 16.1 24.1
179 14.5 12.6 18.8



#72
Anthracene
Concen: 2.830 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.058 min
Lab File: BF138414.D
Acq: 01 Jul 2024 20:34

Tgt Ion:178 Resp: 56867
Ion Ratio Lower Upper
178 100
176 18.2 15.0 22.6
179 14.5 12.7 19.1





#75

Fluoranthene

Concen: 4.832 ng

RT: 12.604 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138414.D

Acq: 01 Jul 2024 20:34

Instrument :

BNA_F

ClientSampleId :

7-W-1

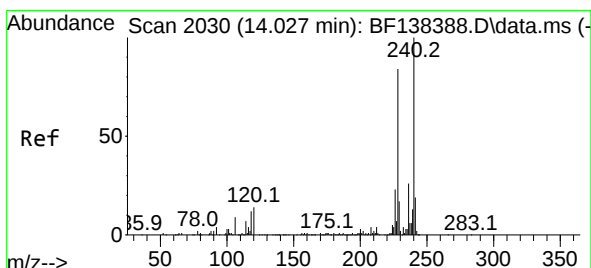
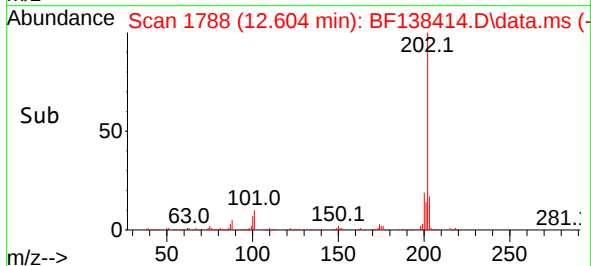
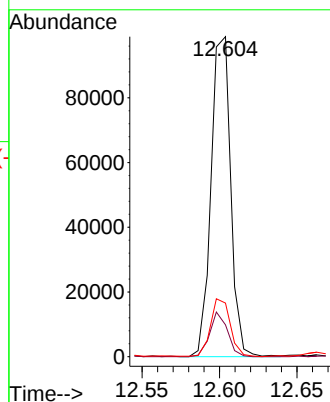
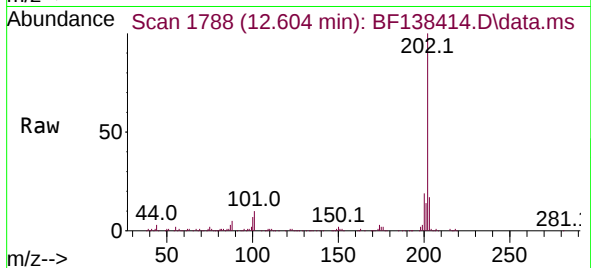
Tgt Ion:202 Resp: 87302

Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.5

203 16.8 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF138414.D

Acq: 01 Jul 2024 20:34

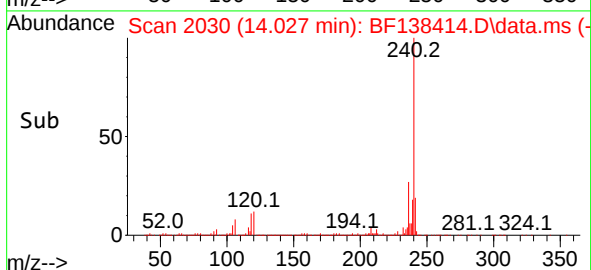
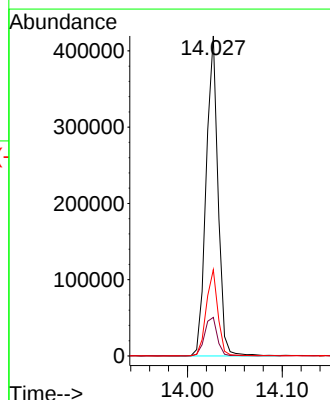
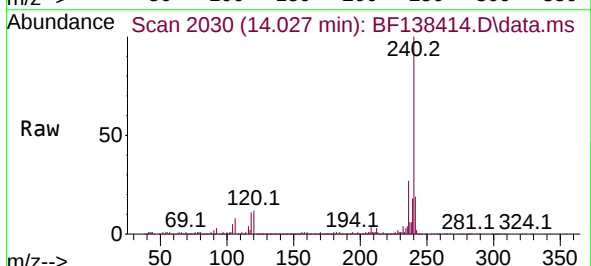
Tgt Ion:240 Resp: 364782

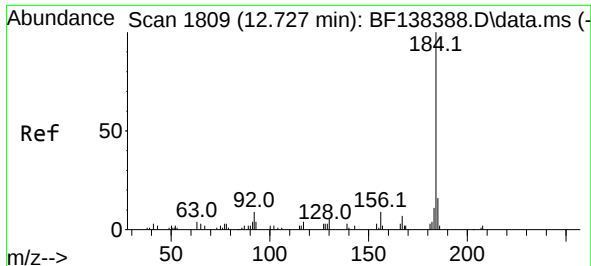
Ion Ratio Lower Upper

240 100

120 12.0 10.9 16.3

236 26.9 20.6 30.8

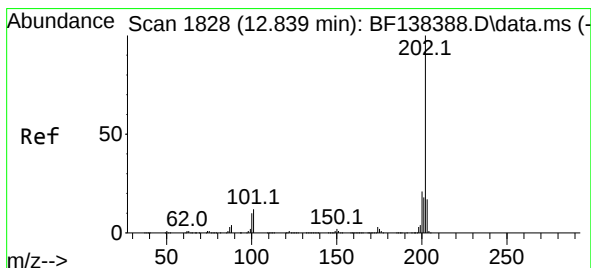
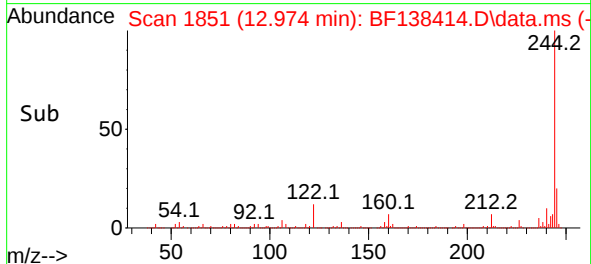
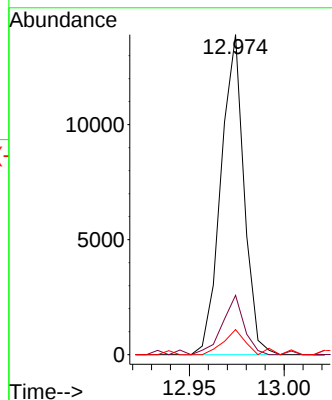
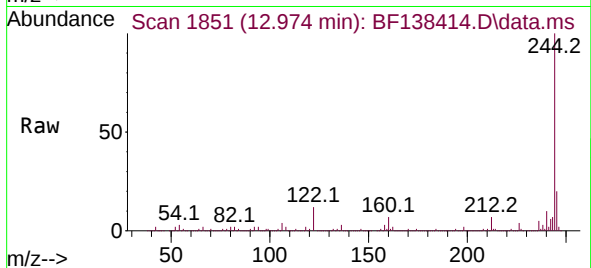




#77
Benzidine
Concen: 4.041 ng
RT: 12.974 min Scan# 1851
Delta R.T. 0.247 min
Lab File: BF138414.D
Acq: 01 Jul 2024 20:34

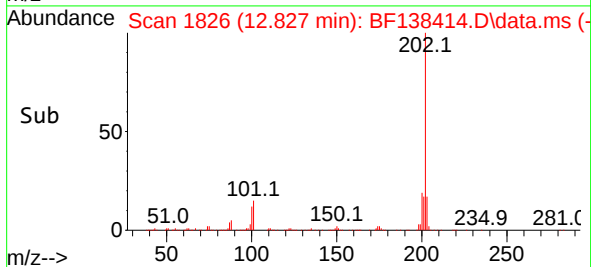
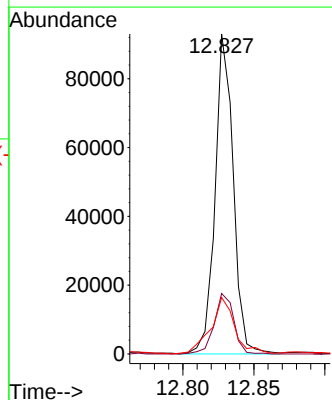
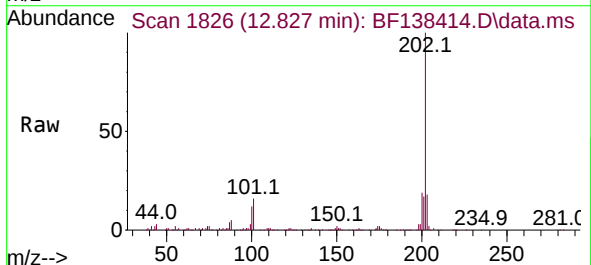
Instrument :
BNA_F
ClientSampleId :
7-W-1

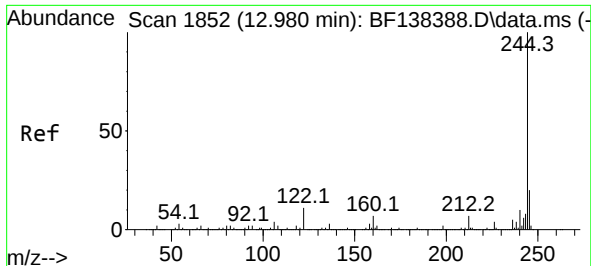
Tgt Ion:184 Resp: 11788
Ion Ratio Lower Upper
184 100
185 18.5 13.0 19.4
183 7.8 9.0 13.6#



#78
Pyrene
Concen: 2.119 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.012 min
Lab File: BF138414.D
Acq: 01 Jul 2024 20:34

Tgt Ion:202 Resp: 82618
Ion Ratio Lower Upper
202 100
200 18.9 16.9 25.3
203 17.7 13.8 20.8

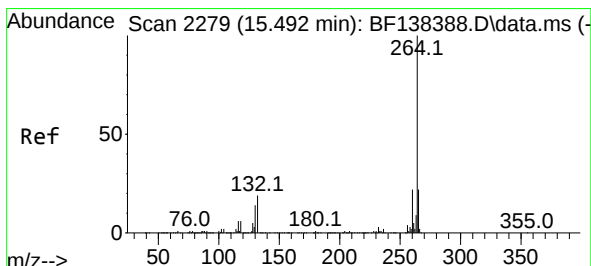
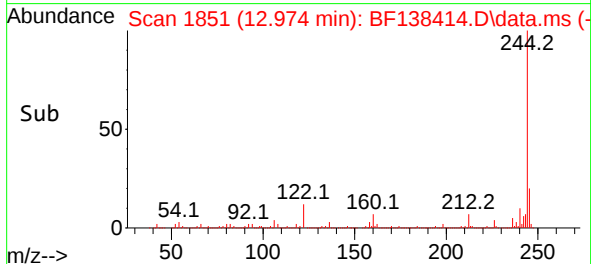
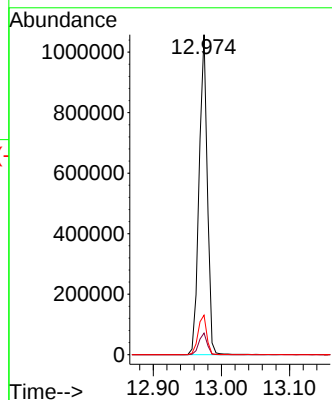
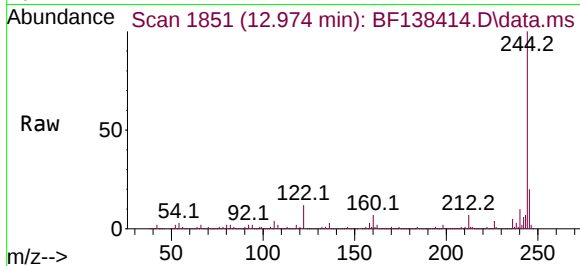




#79
 Terphenyl-d14
 Concen: 33.381 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF138414.D
 Acq: 01 Jul 2024 20:34

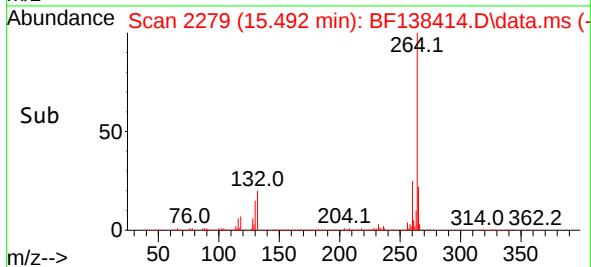
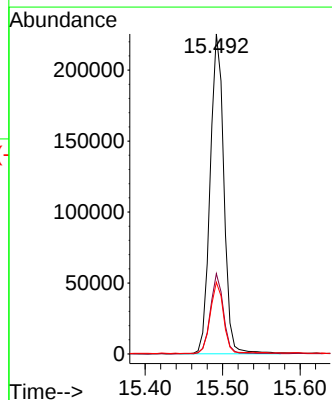
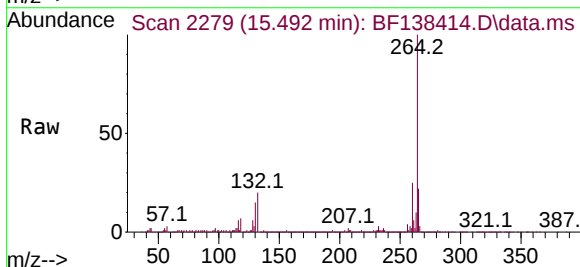
Instrument :
 BNA_F
 ClientSampleId :
 7-W-1

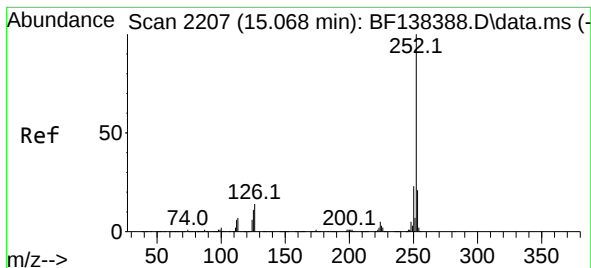
Tgt Ion:244 Resp: 888557
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 12.3 9.0 13.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.492 min Scan# 2279
 Delta R.T. 0.000 min
 Lab File: BF138414.D
 Acq: 01 Jul 2024 20:34

Tgt Ion:264 Resp: 277029
 Ion Ratio Lower Upper
 264 100
 260 25.1 17.8 26.6
 265 22.4 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 3.265 ng

RT: 15.062 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138414.D

Acq: 01 Jul 2024 20:34

Instrument :

BNA_F

ClientSampleId :

7-W-1

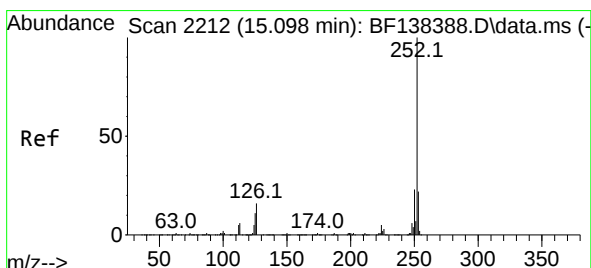
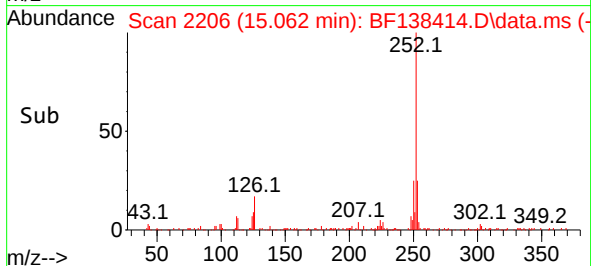
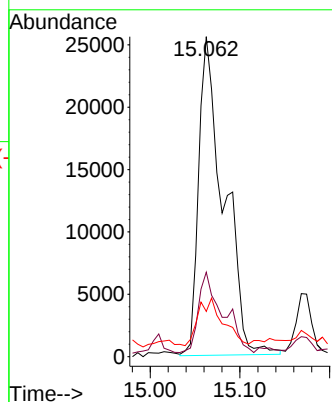
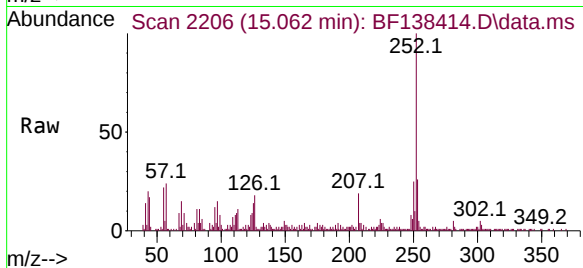
Tgt Ion:252 Resp: 49625

Ion Ratio Lower Upper

252 100

253 26.4 17.0 25.4#

125 14.2 8.6 12.8#



#89

Benzo(k)fluoranthene

Concen: 3.545 ng

RT: 15.062 min Scan# 2206

Delta R.T. -0.035 min

Lab File: BF138414.D

Acq: 01 Jul 2024 20:34

Tgt Ion:252 Resp: 49625

Ion Ratio Lower Upper

252 100

253 26.4 17.4 26.2#

125 14.2 8.7 13.1#

