

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060724\
 Data File : BF138156.D
 Acq On : 07 Jun 2024 13:07
 Operator : CG\JU
 Sample : P2740-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

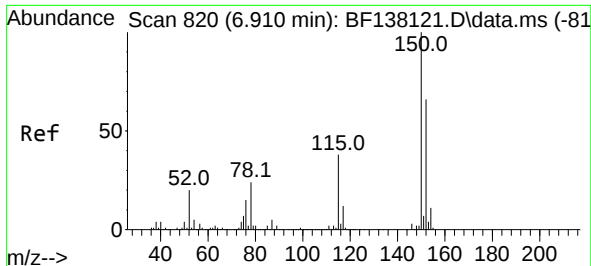
Instrument :
 BNA_F
 ClientSampleId :
 WCS-TPA

Quant Time: Jun 07 13:28:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 06 05:19:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	395429	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	1541696	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	880785	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	1438682	20.000	ng	0.00
76) Chrysene-d12	14.063	240	573575	20.000	ng	# 0.00
86) Perylene-d12	15.539	264	554575	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1775105	76.504	ng	0.00
7) Phenol-d6	6.528	99	2217326	75.530	ng	0.00
23) Nitrobenzene-d5	7.463	82	1310029	57.814	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	658963	77.741	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2635712	52.324	ng	0.00
79) Terphenyl-d14	13.010	244	2412770	62.919	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.440	77	116	Below Cal	#	2
19) n-Nitroso-di-n-propyla...	7.463	70	177270	9.470	ng	# 79
25) Isophorone	7.463	82	1308322	26.208	ng	# 63
26) 2-Nitrophenol	7.898	139	73	5.058	ng	# 4
32) Benzoic acid	7.851	122	381	7.965	ng	# 88
48) 2-Nitroaniline	9.469	65	409	4.827	ng	# 1
51) 2,6-Dinitrotoluene	9.939	165	116086	12.382	ng	# 25
53) 3-Nitroaniline	9.886	138	145	2.956	ng	# 76
57) 2,4-Dinitrotoluene	9.939	165	116086	11.263	ng	# 22
65) 4,6-Dinitro-2-methylph...	10.728	198	1494	8.674	ng	# 1
67) 4-Bromophenyl-phenylether	10.728	248	40538	2.475	ng	# 1
77) Benzidine	13.010	184	29396	4.980	ng	# 94
87) Indeno(1,2,3-cd)pyrene	17.010	276	12355	3.862	ng	# 88
91) Dibenzo(a,h)anthracene	17.027	278	10764	4.067	ng	# 86
92) Benzo(g,h,i)perylene	17.445	276	7534	3.266	ng	# 81

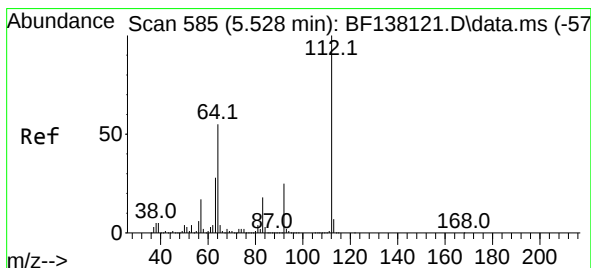
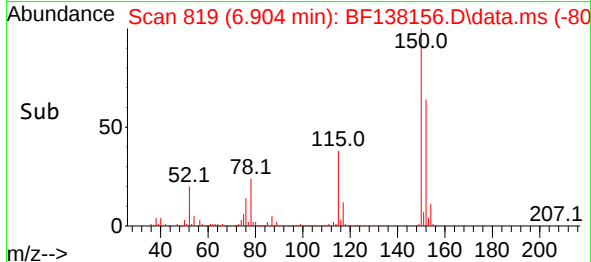
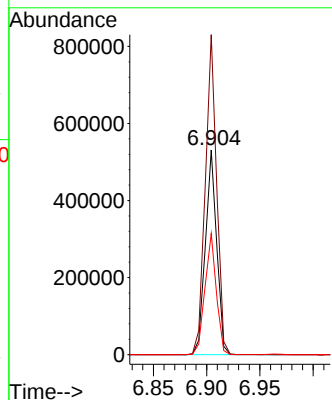
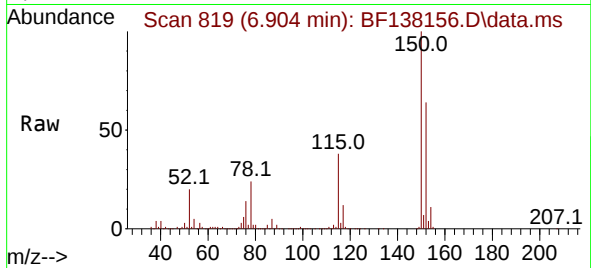
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 819
 Delta R.T. -0.006 min
 Lab File: BF138156.D
 Acq: 07 Jun 2024 13:07

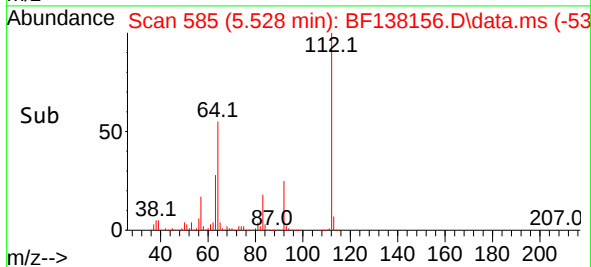
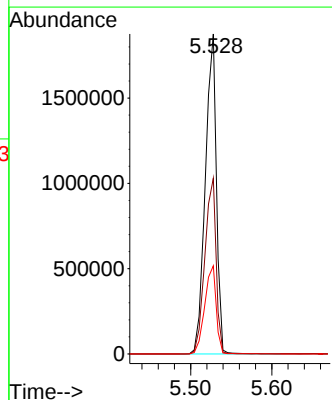
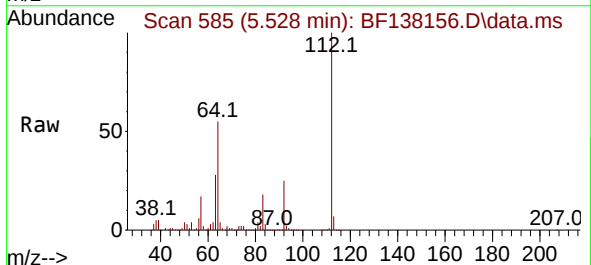
Instrument :
 BNA_F
 ClientSampleId :
 WCS-TPA

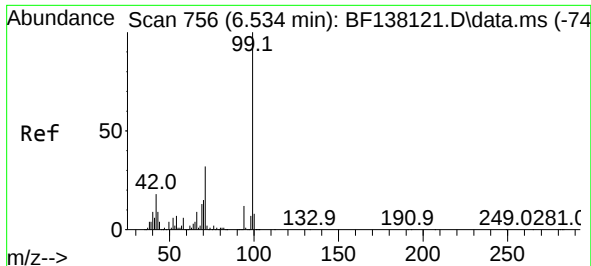
Tgt Ion:152 Resp: 395429
 Ion Ratio Lower Upper
 152 100
 150 156.4 121.8 182.6
 115 59.2 46.2 69.2



#5
 2-Fluorophenol
 Concen: 76.504 ng
 RT: 5.528 min Scan# 585
 Delta R.T. 0.000 min
 Lab File: BF138156.D
 Acq: 07 Jun 2024 13:07

Tgt Ion:112 Resp: 1775105
 Ion Ratio Lower Upper
 112 100
 64 54.9 44.0 66.0
 63 27.5 22.1 33.1





#7
Phenol-d6
Concen: 75.530 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138156.D
Acq: 07 Jun 2024 13:07

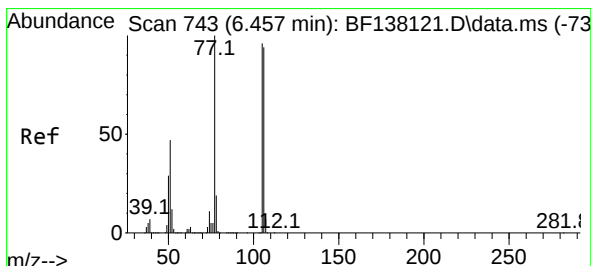
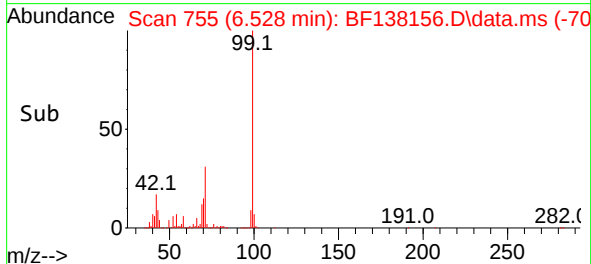
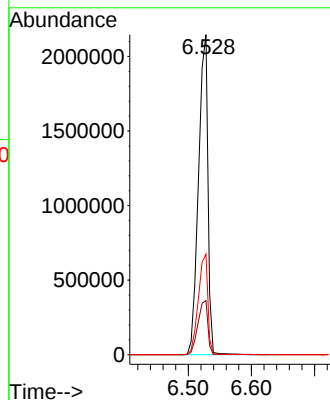
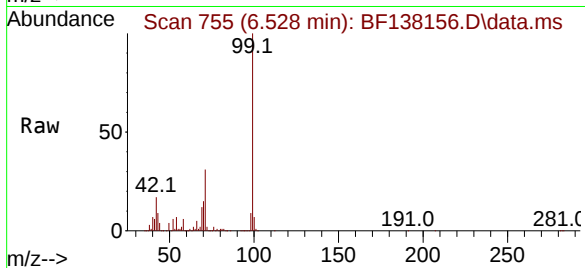
Instrument :

BNA_F

ClientSampleId :

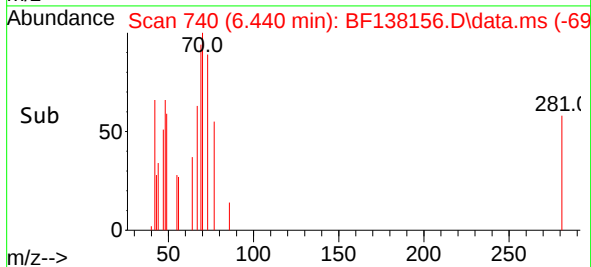
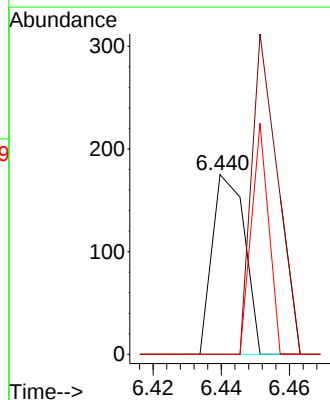
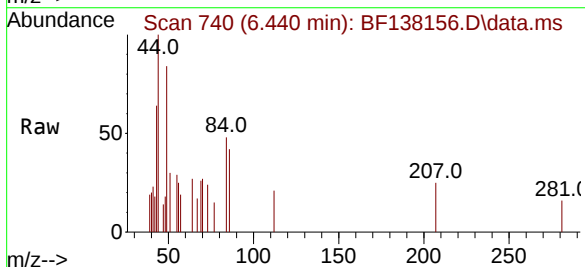
WCS-TPA

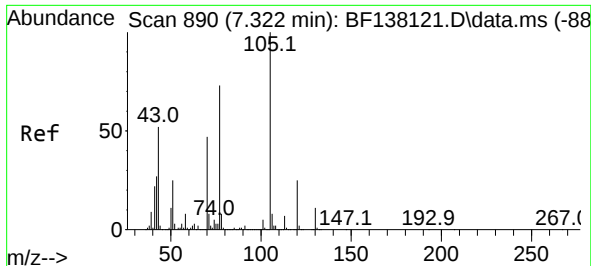
Tgt Ion: 99 Resp: 2217326
Ion Ratio Lower Upper
99 100
42 16.9 14.4 21.6
71 31.5 25.5 38.3



#9
Benzaldehyde
Concen: Below Cal
RT: 6.440 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF138156.D
Acq: 07 Jun 2024 13:07

Tgt Ion: 77 Resp: 116
Ion Ratio Lower Upper
77 100
105 0.0 75.8 115.8#
106 0.0 73.9 113.9#

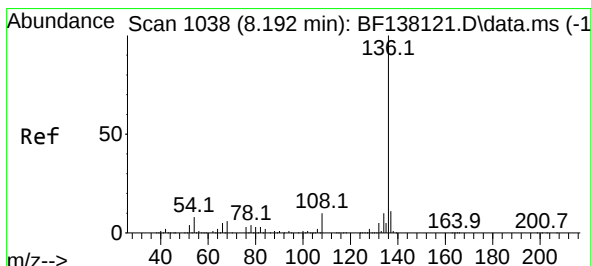
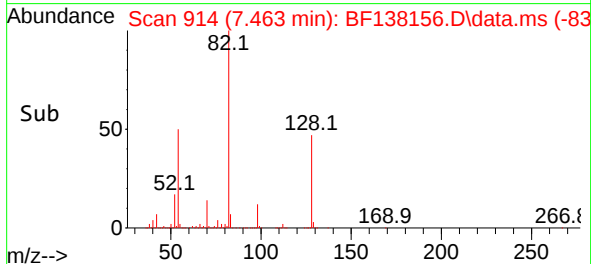
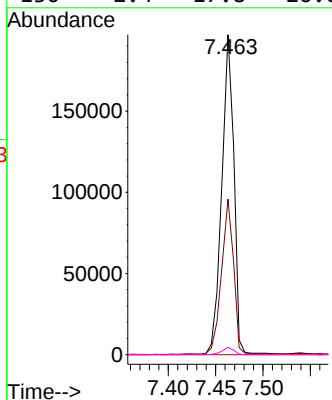
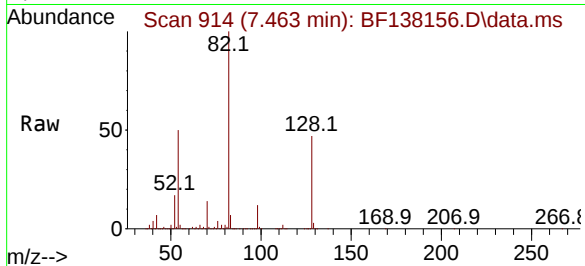




#19
n-Nitroso-di-n-propylamine
Concen: 9.470 ng
RT: 7.463 min Scan# 914
Delta R.T. 0.141 min
Lab File: BF138156.D
Acq: 07 Jun 2024 13:07

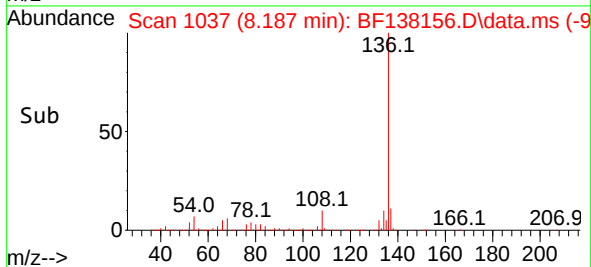
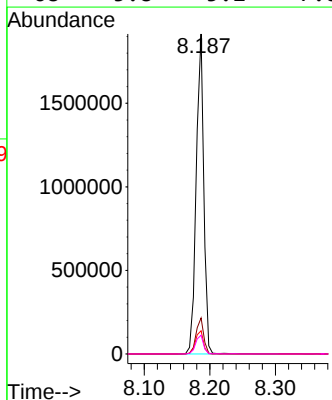
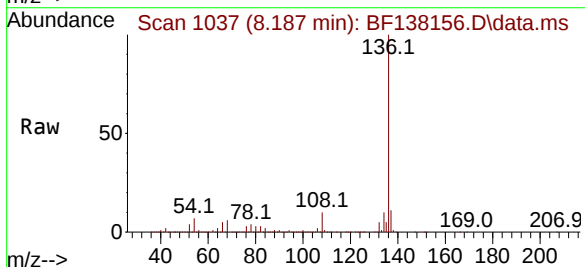
Instrument :
BNA_F
ClientSampleId :
WCS-TPA

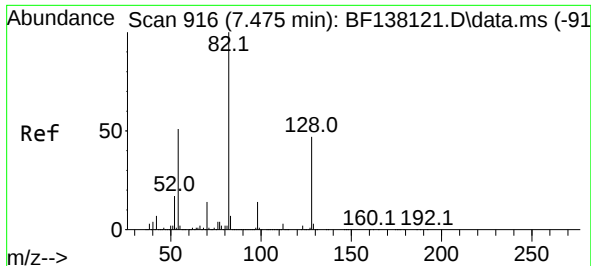
Tgt Ion: 70 Resp: 177270
Ion Ratio Lower Upper
70 100
42 48.6 46.3 69.5
101 0.0 7.7 11.5#
130 2.4 17.8 26.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF138156.D
Acq: 07 Jun 2024 13:07

Tgt Ion: 136 Resp: 1541696
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 7.3 6.2 9.2
68 5.8 5.2 7.8

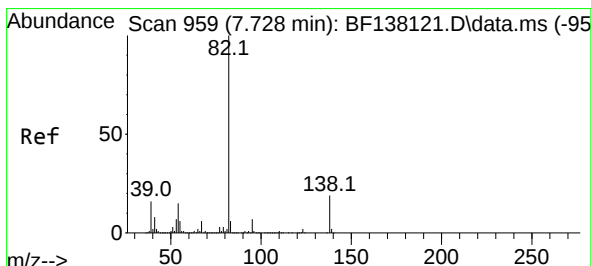
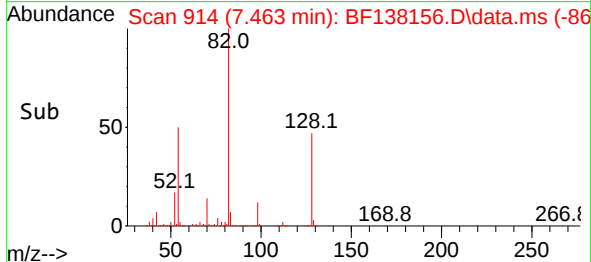
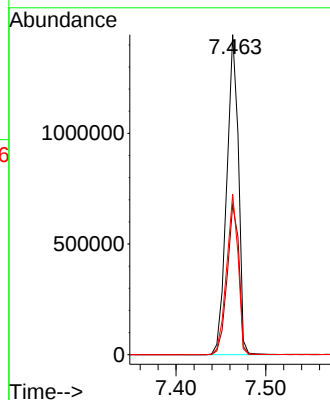
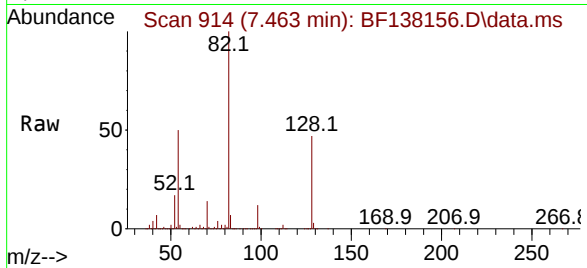




#23
Nitrobenzene-d5
Concen: 57.814 ng
RT: 7.463 min Scan# 914
Delta R.T. -0.012 min
Lab File: BF138156.D
Acq: 07 Jun 2024 13:07

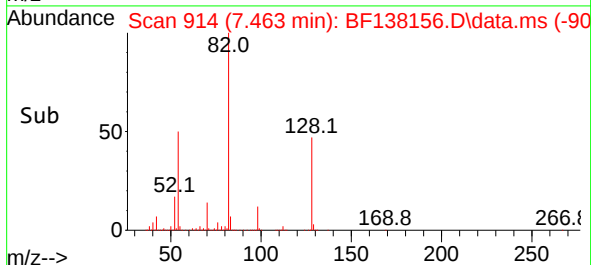
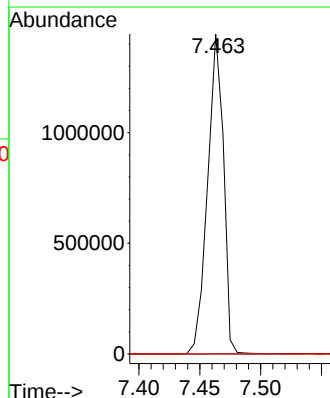
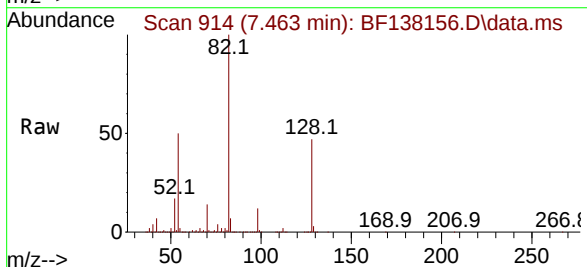
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BNA_F
ClientSampleId :
WCS-TPA

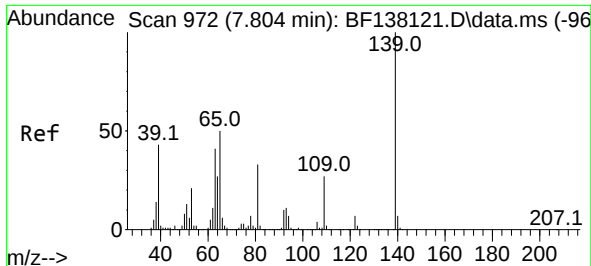
Tgt Ion: 82 Resp: 1310029
Ion Ratio Lower Upper
82 100
128 46.8 37.7 56.5
54 50.1 40.8 61.2



#25
Isophorone
Concen: 26.208 ng
RT: 7.463 min Scan# 914
Delta R.T. -0.265 min
Lab File: BF138156.D
Acq: 07 Jun 2024 13:07

Tgt Ion: 82 Resp: 1308322
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.5 23.3#

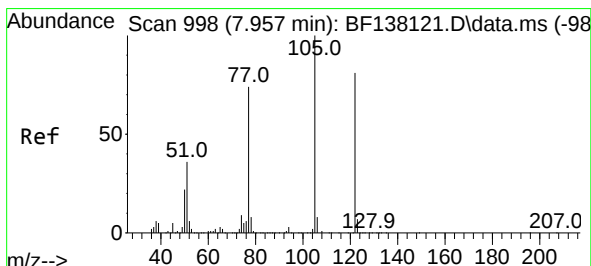
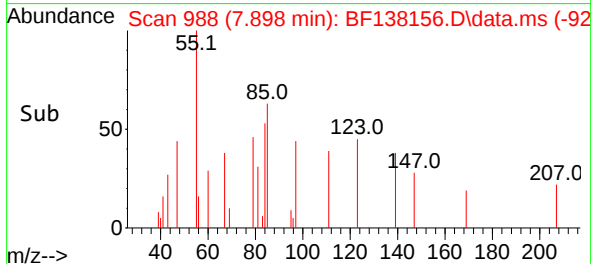
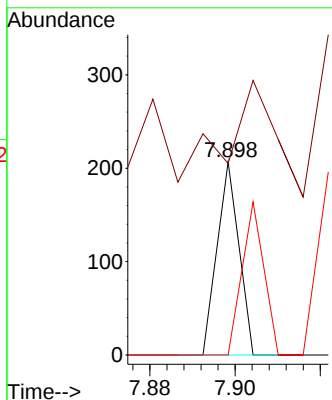
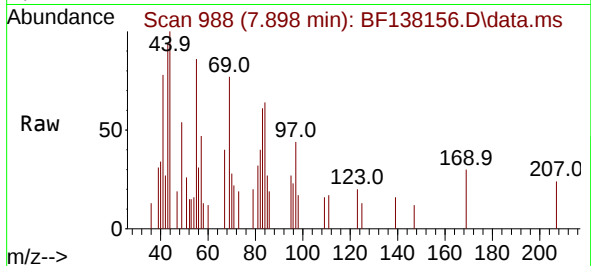




#26
2-Nitrophenol
Concen: 5.058 ng
RT: 7.898 min Scan# 91
Delta R.T. 0.094 min
Lab File: BF138156.D
Acq: 07 Jun 2024 13:07

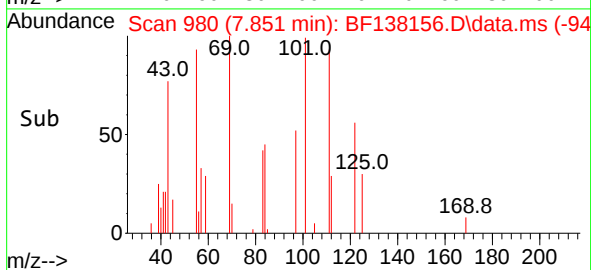
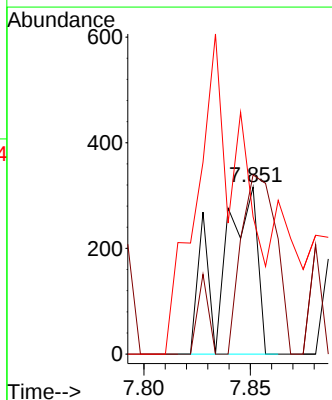
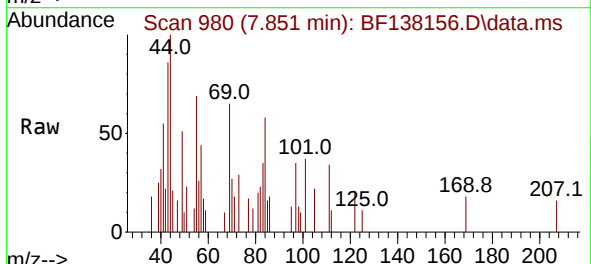
Instrument :
BNA_F
ClientSampleId :
WCS-TPA

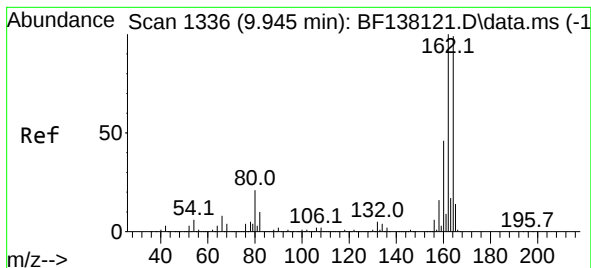
Tgt Ion:139 Resp: 73
Ion Ratio Lower Upper
139 100
109 99.0 21.8 32.6#
65 0.0 40.1 60.1#



#32
Benzoic acid
Concen: 7.965 ng
RT: 7.851 min Scan# 980
Delta R.T. -0.106 min
Lab File: BF138156.D
Acq: 07 Jun 2024 13:07

Tgt Ion:122 Resp: 381
Ion Ratio Lower Upper
122 100
105 107.3 102.8 142.8
77 82.3 71.2 111.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138156.D

Acq: 07 Jun 2024 13:07

Instrument :

BNA_F

ClientSampleId :

WCS-TPA

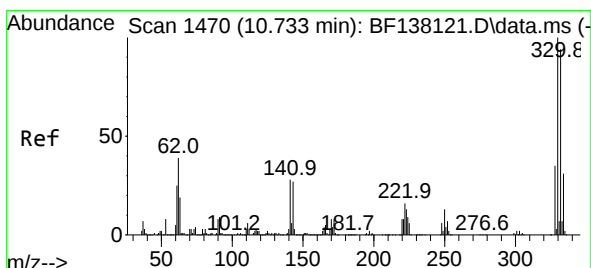
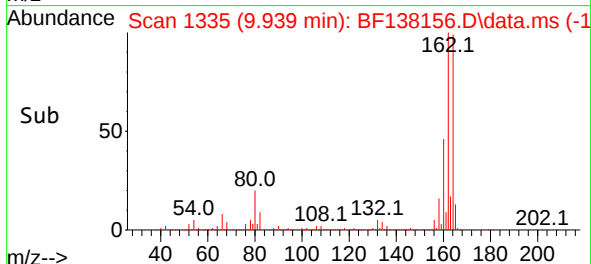
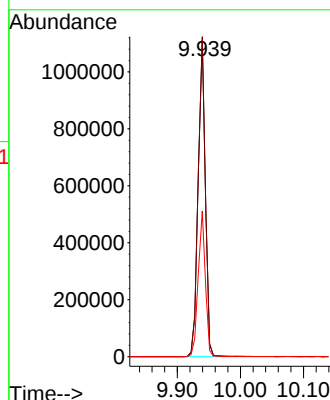
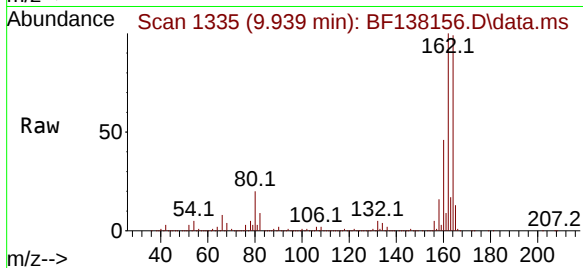
Tgt Ion:164 Resp: 880785

Ion Ratio Lower Upper

164 100

162 101.1 80.9 121.3

160 46.0 37.0 55.6



#42

2,4,6-Tribromophenol

Concen: 77.741 ng

RT: 10.728 min Scan# 1469

Delta R.T. -0.005 min

Lab File: BF138156.D

Acq: 07 Jun 2024 13:07

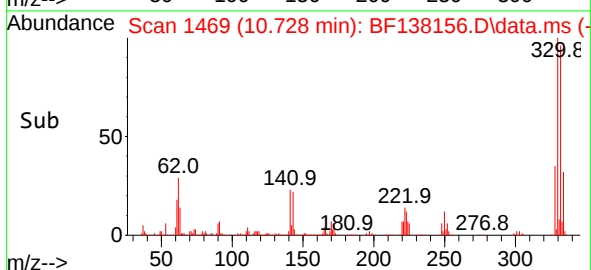
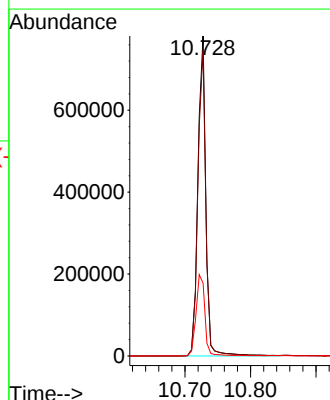
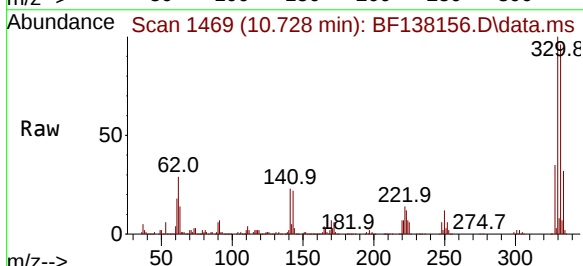
Tgt Ion:330 Resp: 658963

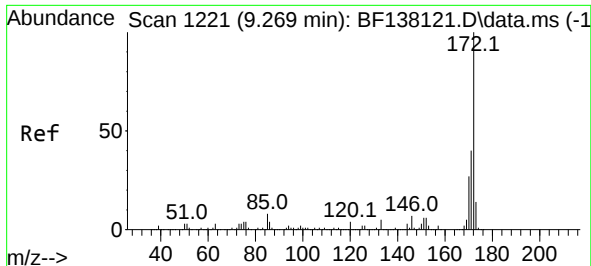
Ion Ratio Lower Upper

330 100

332 95.9 75.8 113.8

141 28.7 23.2 34.8

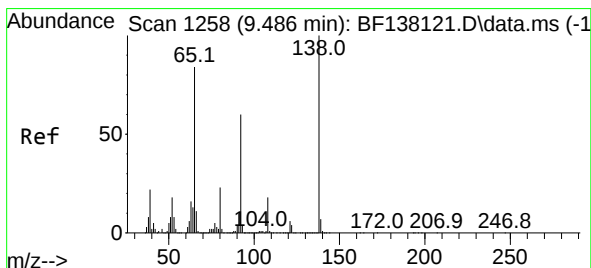
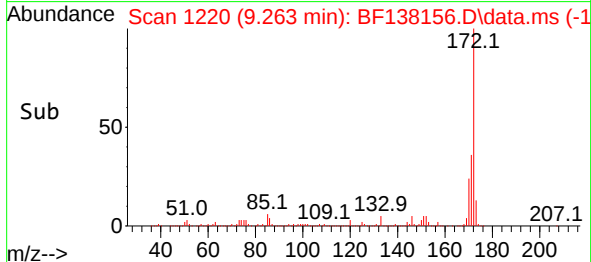
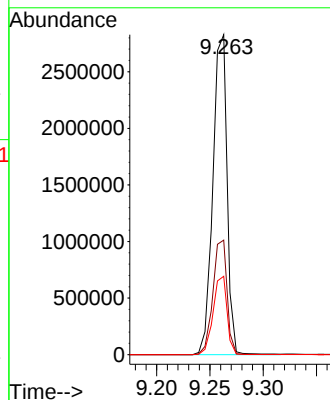
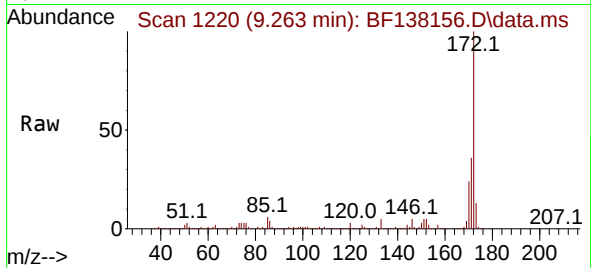




#45
2-Fluorobiphenyl
Concen: 52.324 ng
RT: 9.263 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138156.D
Acq: 07 Jun 2024 13:07

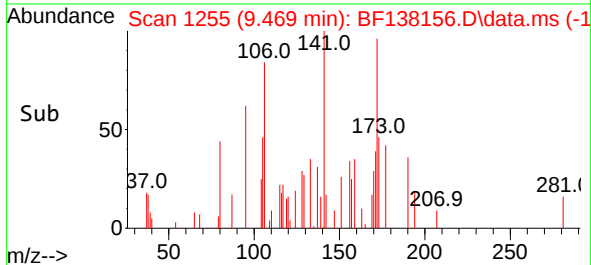
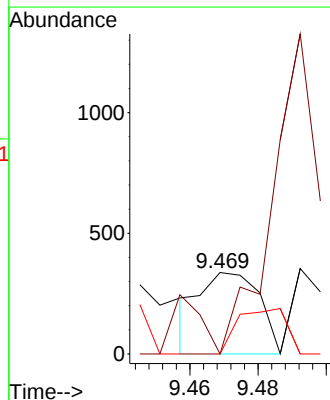
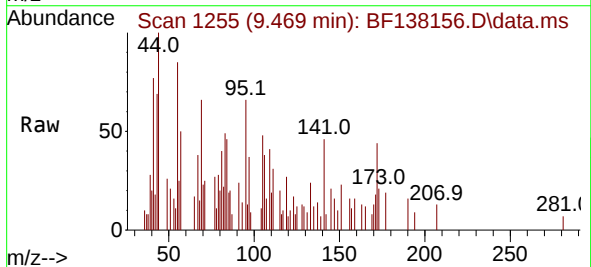
Instrument :
BNA_F
ClientSampleId :
WCS-TPA

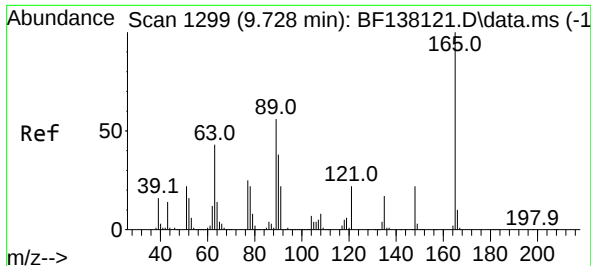
Tgt Ion:172 Resp: 2635712
Ion Ratio Lower Upper
172 100
171 35.8 31.6 47.4
170 24.5 21.4 32.2



#48
2-Nitroaniline
Concen: 4.827 ng
RT: 9.469 min Scan# 1255
Delta R.T. -0.017 min
Lab File: BF138156.D
Acq: 07 Jun 2024 13:07

Tgt Ion: 65 Resp: 409
Ion Ratio Lower Upper
65 100
92 0.0 57.3 85.9#
138 0.0 95.4 143.2#

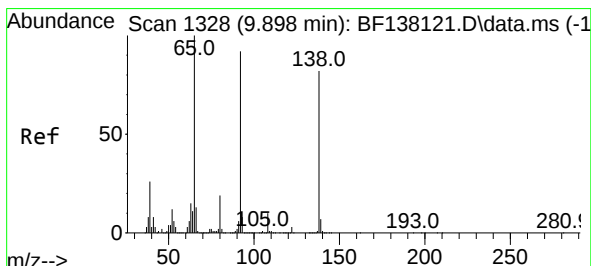
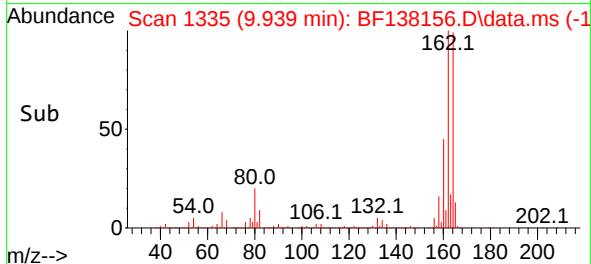
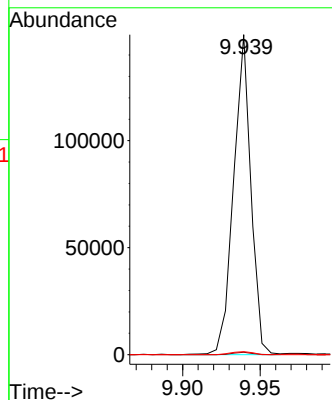
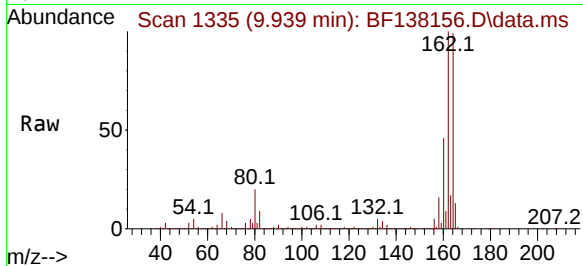




#51
2,6-Dinitrotoluene
Concen: 12.382 ng
RT: 9.939 min Scan# 11
Delta R.T. 0.211 min
Lab File: BF138156.D
Acq: 07 Jun 2024 13:07

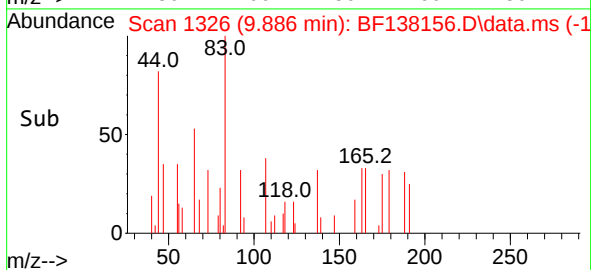
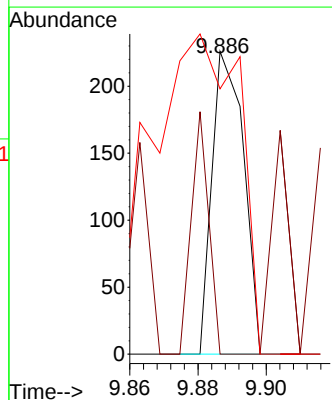
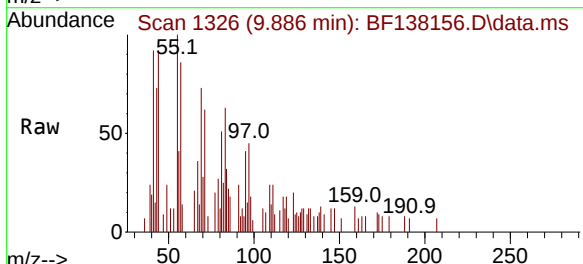
Instrument :
BNA_F
ClientSampleId :
WCS-TPA

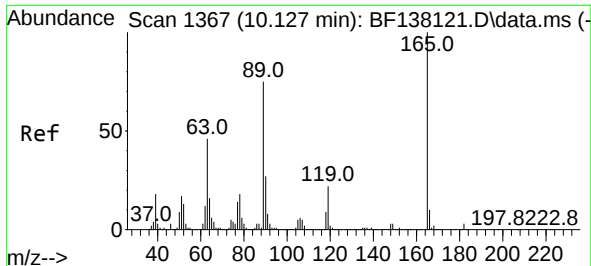
Tgt Ion:165 Resp: 116086
Ion Ratio Lower Upper
165 100
63 0.7 42.9 64.3#
89 1.0 45.0 67.4#



#53
3-Nitroaniline
Concen: 2.956 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF138156.D
Acq: 07 Jun 2024 13:07

Tgt Ion:138 Resp: 145
Ion Ratio Lower Upper
138 100
108 0.0 10.3 15.5#
92 87.6 89.5 134.3#

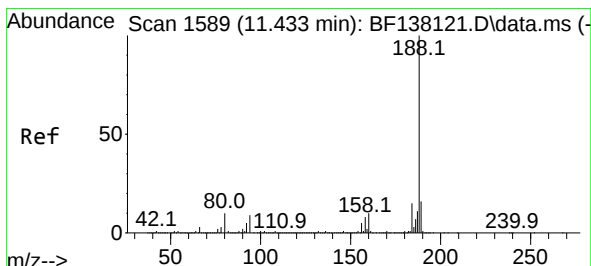
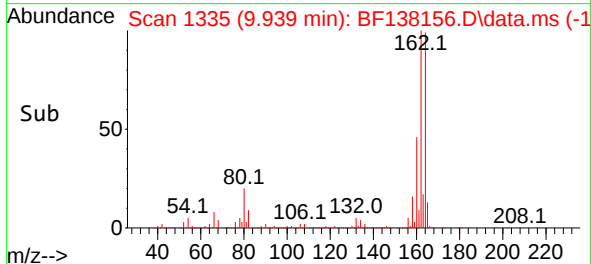
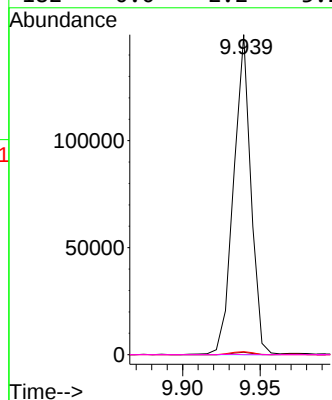
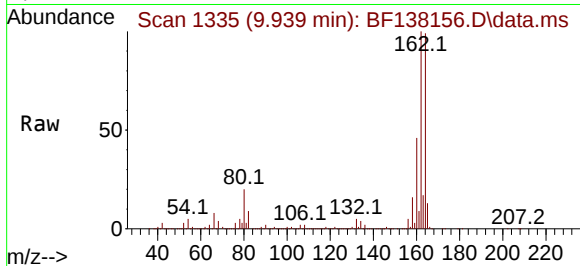




#57
2,4-Dinitrotoluene
Concen: 11.263 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF138156.D
Acq: 07 Jun 2024 13:07

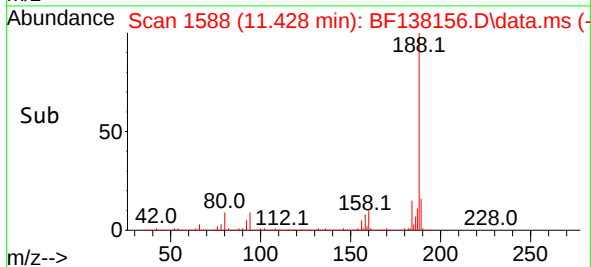
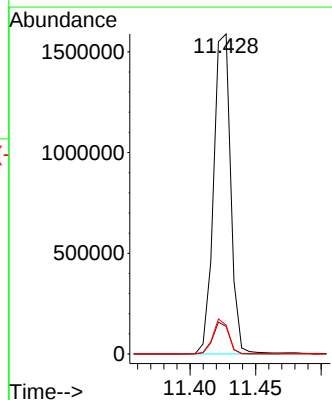
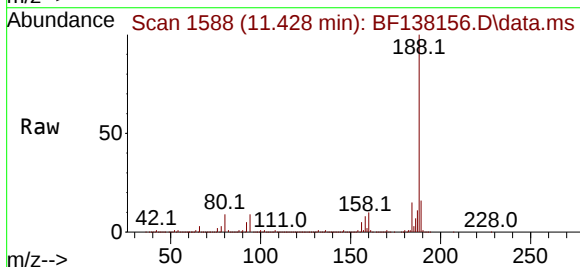
Instrument :
BNA_F
ClientSampleId :
WCS-TPA

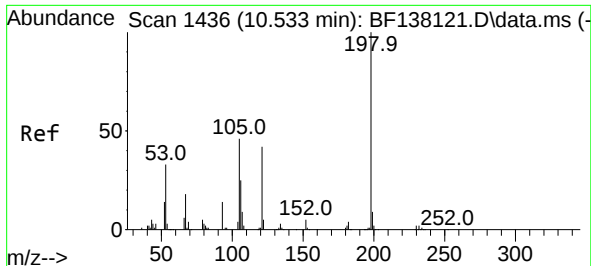
Tgt Ion:165 Resp: 116086
Ion Ratio Lower Upper
165 100
63 0.7 36.8 55.2#
89 1.0 60.2 90.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF138156.D
Acq: 07 Jun 2024 13:07

Tgt Ion:188 Resp: 1438682
Ion Ratio Lower Upper
188 100
94 8.6 7.4 11.2
80 9.0 7.7 11.5

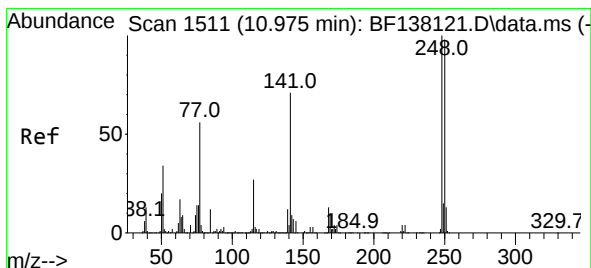
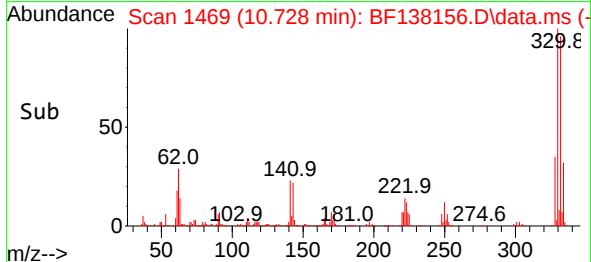
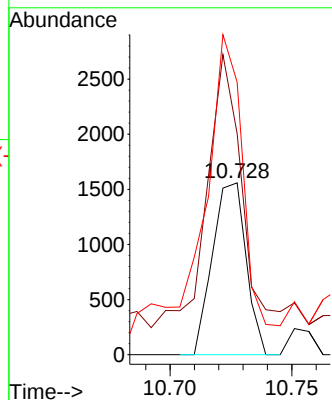
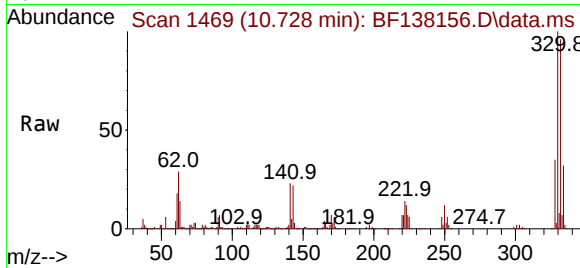




#65
4,6-Dinitro-2-methylphenol
Concen: 8.674 ng
RT: 10.728 min Scan# 1469
Delta R.T. 0.195 min
Lab File: BF138156.D
Acq: 07 Jun 2024 13:07

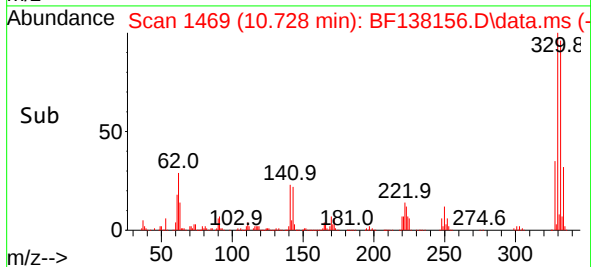
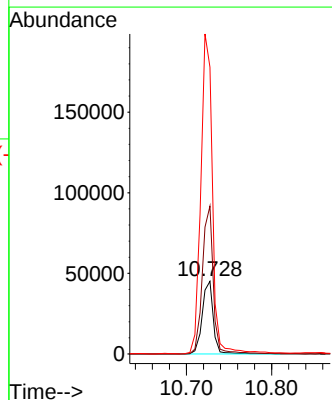
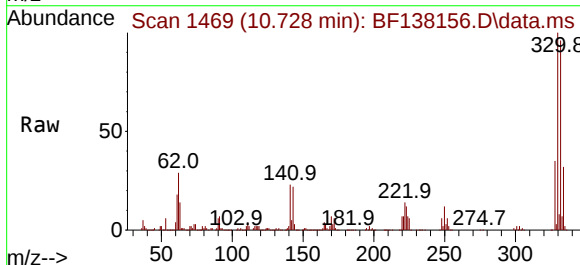
Instrument :
BNA_F
ClientSampleId :
WCS-TPA

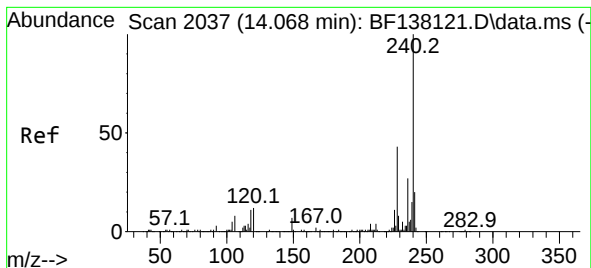
Tgt Ion:198 Resp: 1494
Ion Ratio Lower Upper
198 100
51 128.6 28.2 68.2#
105 158.6 26.8 66.8#



#67
4-Bromophenyl-phenylether
Concen: 2.475 ng
RT: 10.728 min Scan# 1469
Delta R.T. -0.247 min
Lab File: BF138156.D
Acq: 07 Jun 2024 13:07

Tgt Ion:248 Resp: 40538
Ion Ratio Lower Upper
248 100
250 203.4 78.7 118.1#
141 394.3 56.5 84.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2036

Delta R.T. -0.005 min

Lab File: BF138156.D

Acq: 07 Jun 2024 13:07

Instrument :

BNA_F

ClientSampleId :

WCS-TPA

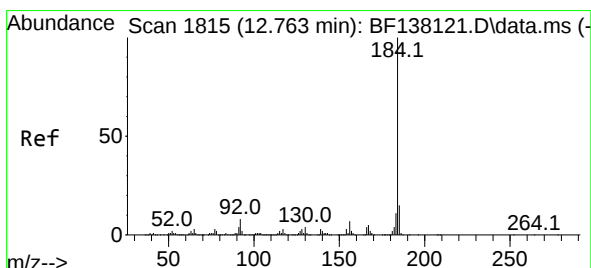
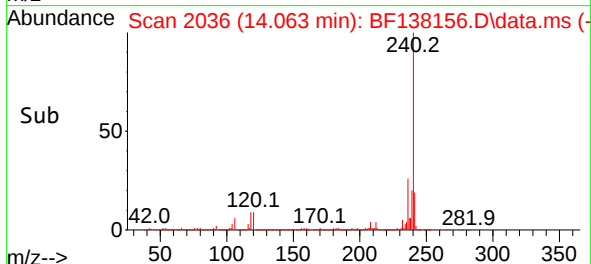
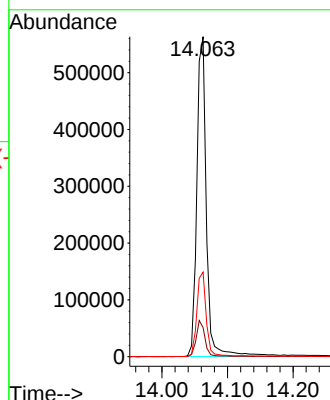
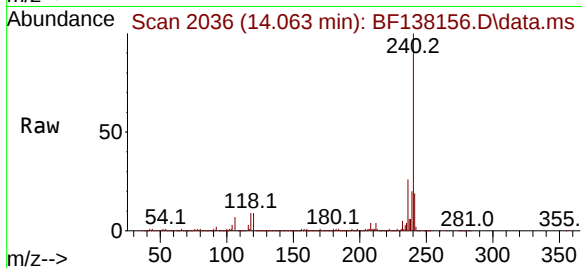
Tgt Ion:240 Resp: 573575

Ion Ratio Lower Upper

240 100

120 9.1 9.8 14.8#

236 26.5 21.2 31.8



#77

Benzidine

Concen: 4.980 ng

RT: 13.010 min Scan# 1857

Delta R.T. 0.247 min

Lab File: BF138156.D

Acq: 07 Jun 2024 13:07

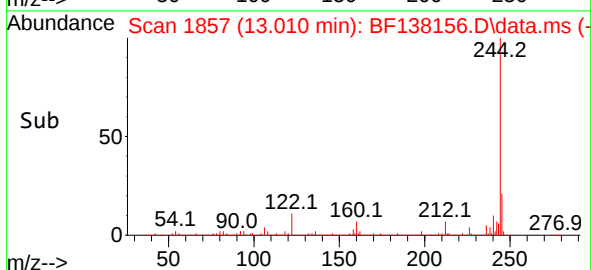
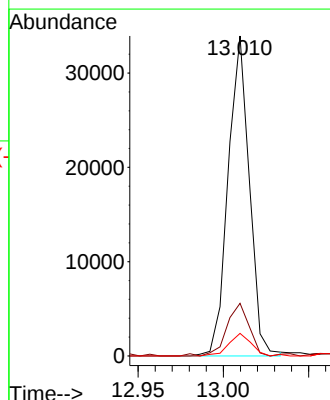
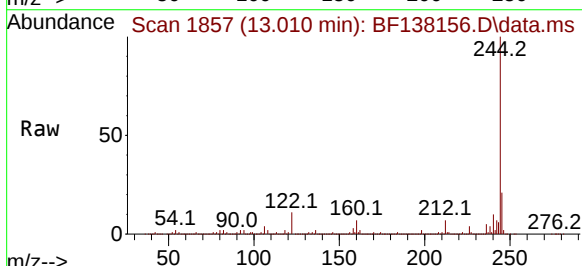
Tgt Ion:184 Resp: 29396

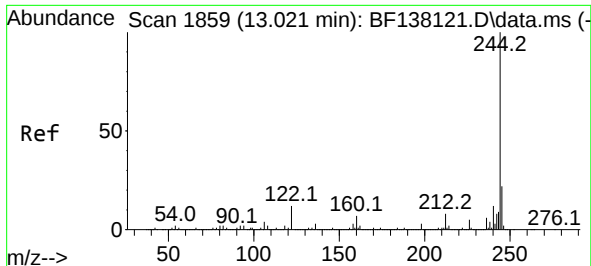
Ion Ratio Lower Upper

184 100

185 16.4 12.2 18.2

183 7.0 9.0 13.4#

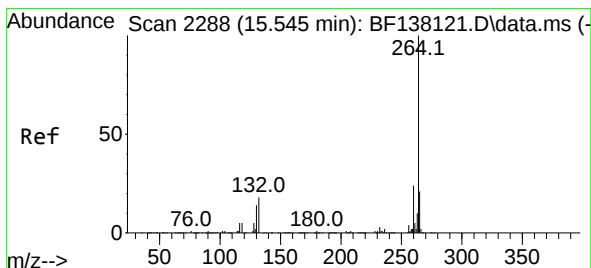
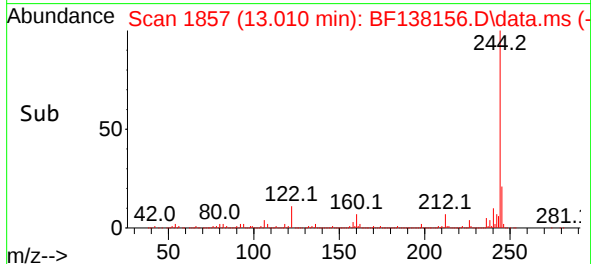
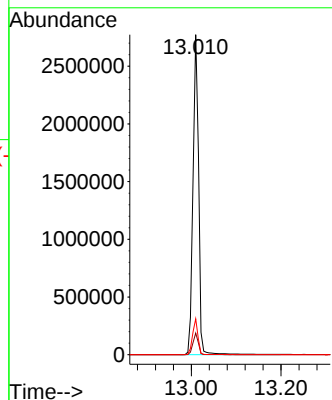
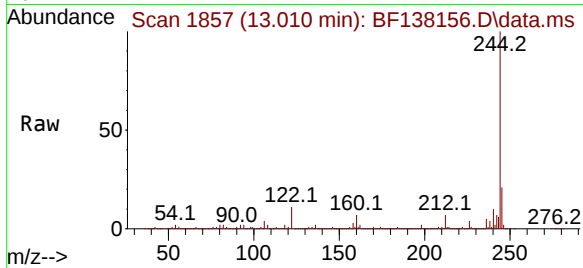




#79
 Terphenyl-d14
 Concen: 62.919 ng
 RT: 13.010 min Scan# 1857
 Delta R.T. -0.012 min
 Lab File: BF138156.D
 Acq: 07 Jun 2024 13:07

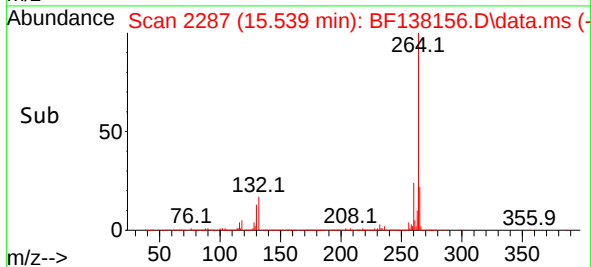
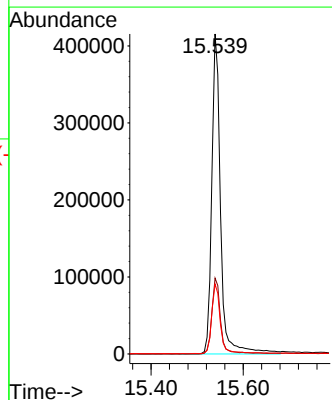
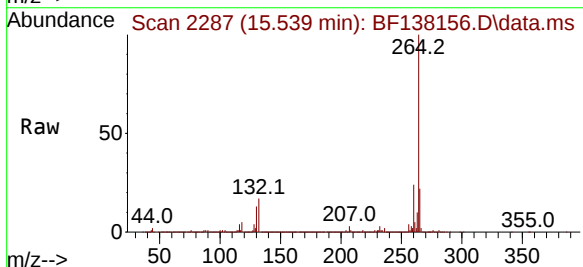
Instrument :
 BNA_F
 ClientSampleId :
 WCS-TPA

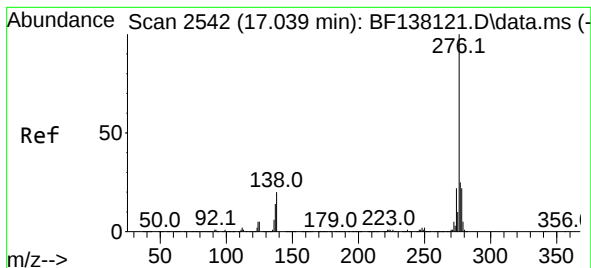
Tgt Ion:244 Resp: 2412770
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.4 9.6
 122 11.2 9.4 14.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2287
 Delta R.T. -0.006 min
 Lab File: BF138156.D
 Acq: 07 Jun 2024 13:07

Tgt Ion:264 Resp: 554575
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.4 29.2
 265 21.9 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.862 ng

RT: 17.010 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF138156.D

Acq: 07 Jun 2024 13:07

Instrument :

BNA_F

ClientSampleId :

WCS-TPA

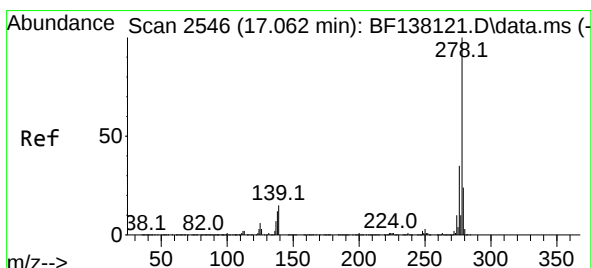
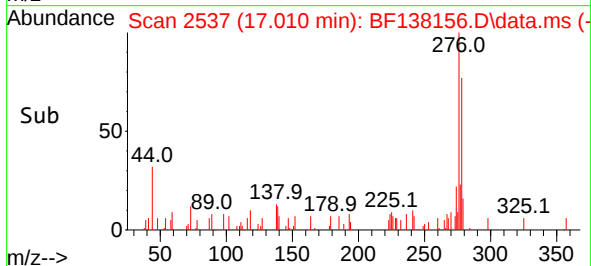
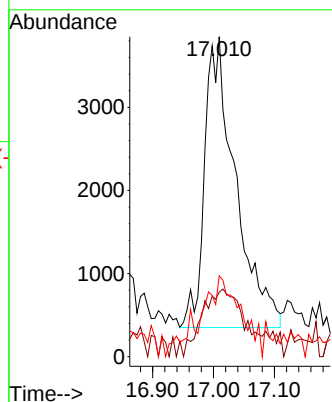
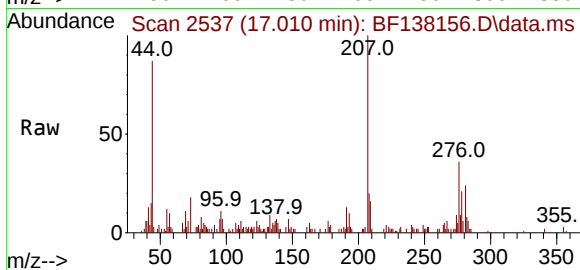
Tgt Ion:276 Resp: 12355

Ion Ratio Lower Upper

276 100

138 31.3 18.9 28.3#

277 29.6 20.3 30.5



#91

Dibenzo(a,h)anthracene

Concen: 4.067 ng

RT: 17.027 min Scan# 2540

Delta R.T. -0.035 min

Lab File: BF138156.D

Acq: 07 Jun 2024 13:07

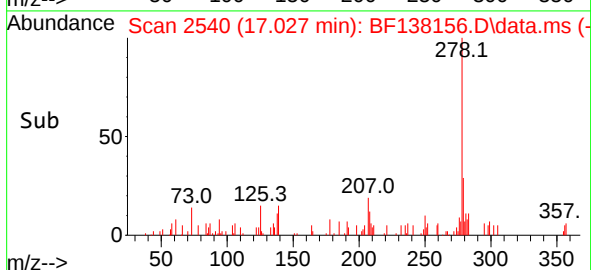
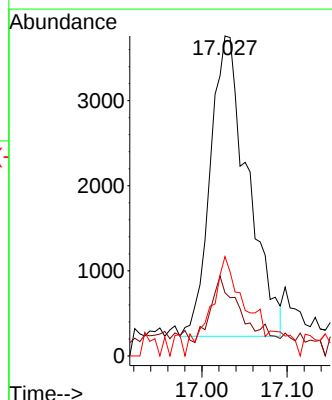
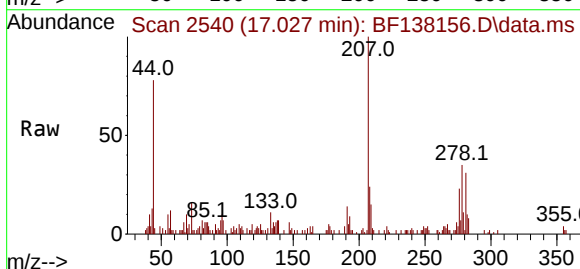
Tgt Ion:278 Resp: 10764

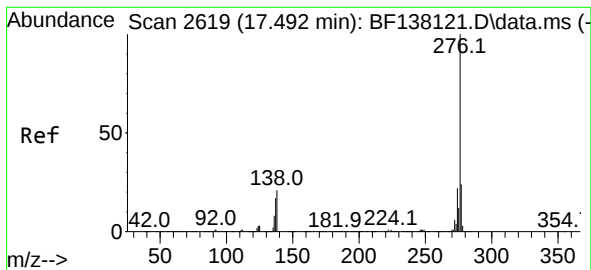
Ion Ratio Lower Upper

278 100

139 19.7 11.7 17.5#

279 31.0 19.2 28.8#





#92

Benzo(g,h,i)perylene

Concen: 3.266 ng

RT: 17.445 min Scan# 20

Delta R.T. -0.047 min

Lab File: BF138156.D

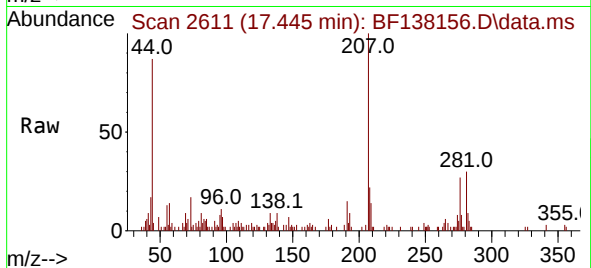
Acq: 07 Jun 2024 13:07

Instrument :

BNA_F

ClientSampleId :

WCS-TPA



Tgt Ion:276 Resp: 7534

Ion Ratio Lower Upper

276 100

277 28.1 19.0 28.4

138 34.7 16.5 24.7#

