

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062724\
 Data File : BF138378.D
 Acq On : 27 Jun 2024 21:09
 Operator : CG\JU
 Sample : P3077-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1-W-1

Quant Time: Jun 28 01:14:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 01:52:47 2024
 Response via : Initial Calibration

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

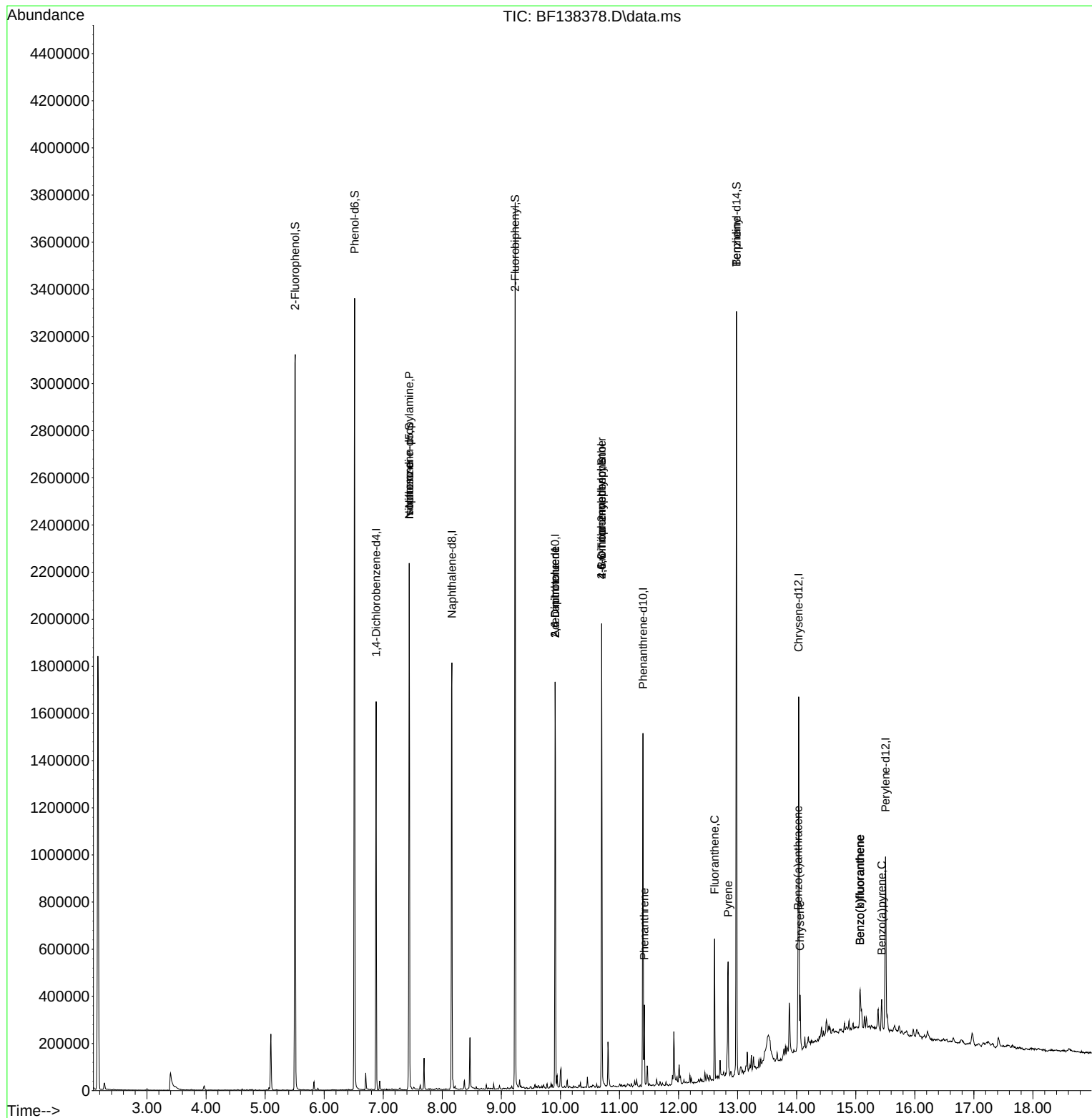
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	226365	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	815342	20.000	ng	#-0.01
39) Acenaphthene-d10	9.910	164	355821	20.000	ng	-0.02
64) Phenanthrene-d10	11.398	188	513267	20.000	ng	-0.02
76) Chrysene-d12	14.033	240	442101	20.000	ng	-0.02
86) Perylene-d12	15.504	264	343946	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	959782	70.927	ng	0.00
7) Phenol-d6	6.516	99	1122790	65.435	ng	0.00
23) Nitrobenzene-d5	7.439	82	678856	48.471	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	228555	64.522	ng	-0.02
45) 2-Fluorobiphenyl	9.233	172	1089283	48.680	ng	-0.02
79) Terphenyl-d14	12.980	244	1045973	37.472	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	89197	8.770	ng	# 77
25) Isophorone	7.439	82	674487	26.625	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	46745	9.883	ng	# 25
57) 2,4-Dinitrotoluene	9.910	165	46745	8.013	ng	# 31
65) 4,6-Dinitro-2-methylph...	10.698	198	523	7.105	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	13990	2.419	ng	# 1
71) Phenanthrene	11.421	178	113107	4.456	ng	96
75) Fluoranthene	12.610	202	216234	8.354	ng	96
77) Benzidine	12.980	184	13657	2.671	ng	# 92
78) Pyrene	12.839	202	199682	5.236	ng	98
81) Benzo(a)anthracene	14.021	228	102297	3.607	ng	98
83) Chrysene	14.057	228	88726	3.282	ng	95
88) Benzo(b)fluoranthene	15.074	252	123881	6.108	ng	# 96
89) Benzo(k)fluoranthene	15.074	252	123881	6.232	ng	97
90) Benzo(a)pyrene	15.439	252	62160	3.567	ng	# 97

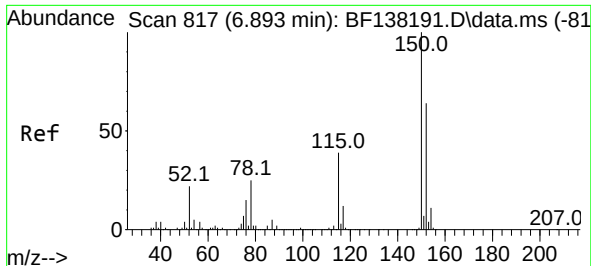
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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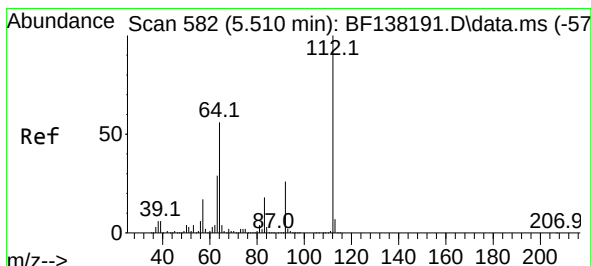
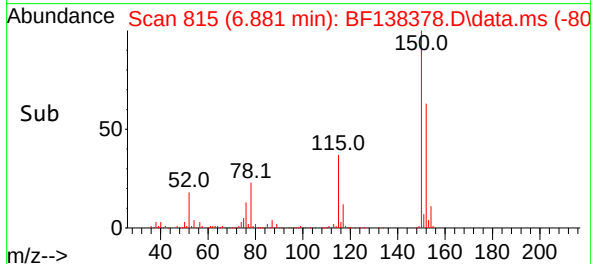
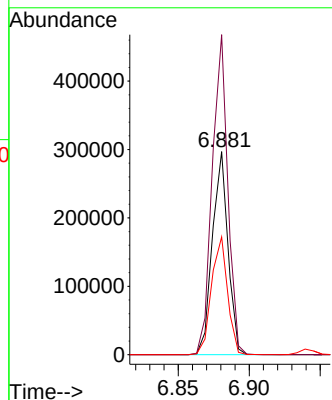
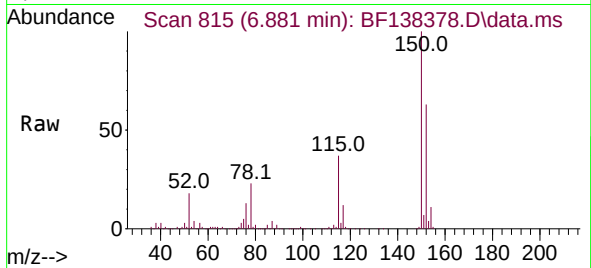




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 815
 Delta R.T. -0.012 min
 Lab File: BF138378.D
 Acq: 27 Jun 2024 21:09

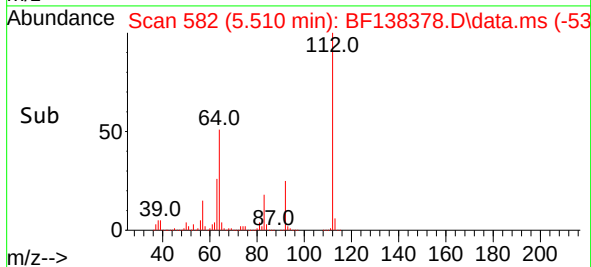
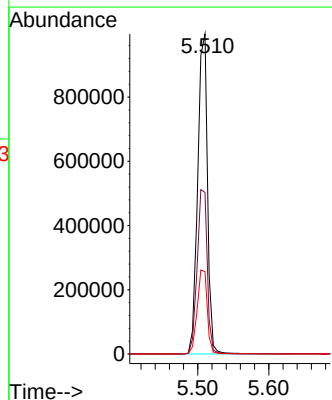
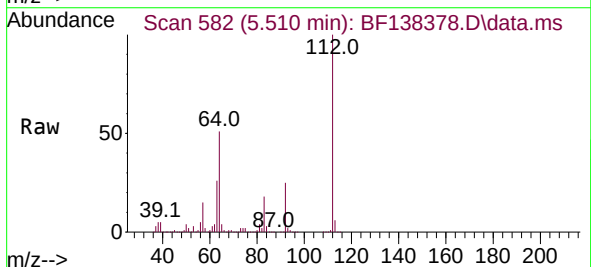
Instrument :
 BNA_F
 ClientSampleId :
 1-W-1

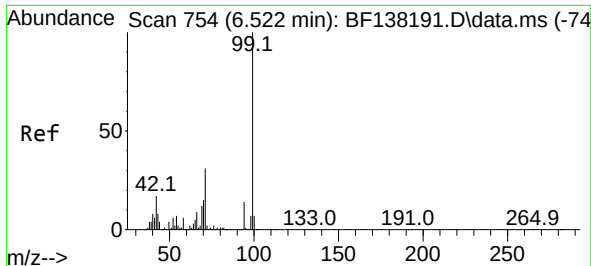
Tgt Ion:152 Resp: 226365
 Ion Ratio Lower Upper
 152 100
 150 157.5 125.0 187.4
 115 58.0 48.4 72.6



#5
 2-Fluorophenol
 Concen: 70.927 ng
 RT: 5.510 min Scan# 582
 Delta R.T. -0.000 min
 Lab File: BF138378.D
 Acq: 27 Jun 2024 21:09

Tgt Ion:112 Resp: 959782
 Ion Ratio Lower Upper
 112 100
 64 50.5 45.2 67.8
 63 25.8 22.9 34.3

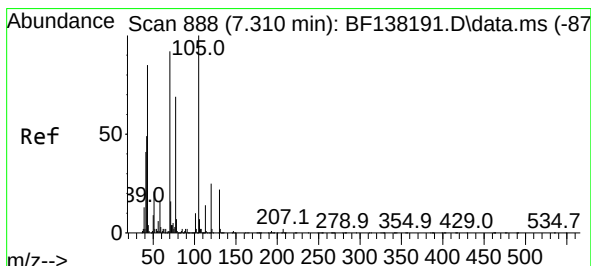
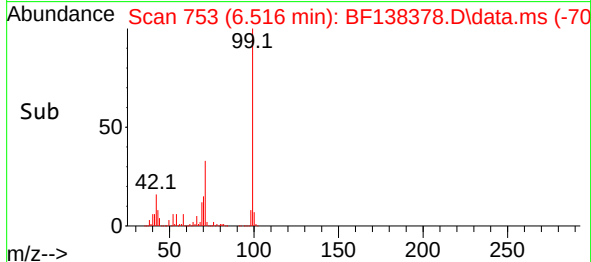
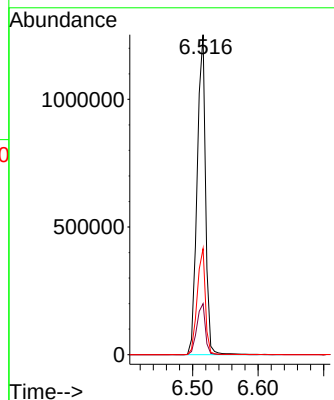
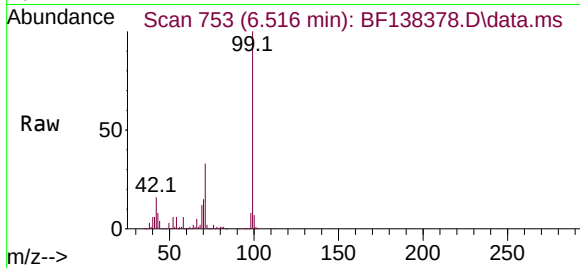




#7
Phenol-d6
Concen: 65.435 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138378.D
Acq: 27 Jun 2024 21:09

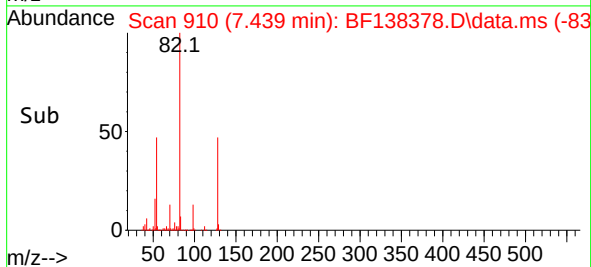
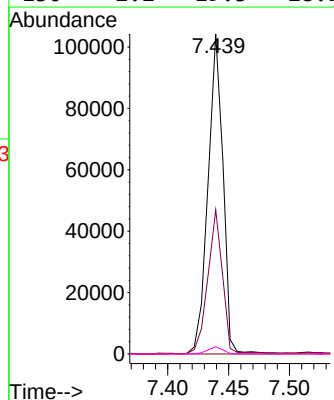
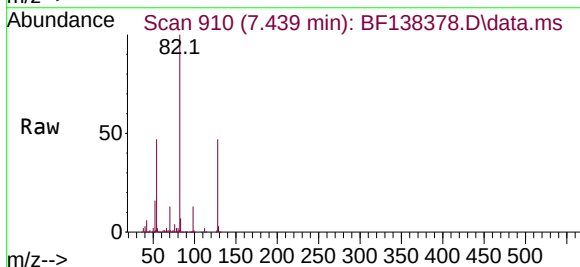
Instrument :
BNA_F
ClientSampleId :
1-W-1

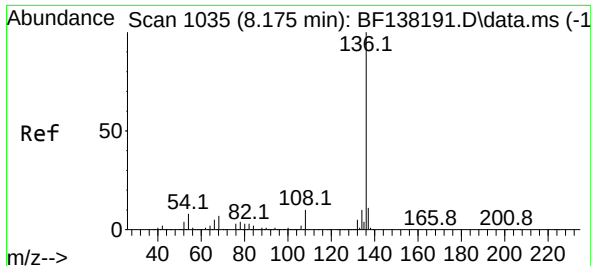
Tgt Ion: 99 Resp: 1122790
Ion Ratio Lower Upper
99 100
42 16.0 13.7 20.5
71 33.1 25.0 37.6



#19
n-Nitroso-di-n-propylamine
Concen: 8.770 ng
RT: 7.439 min Scan# 910
Delta R.T. 0.129 min
Lab File: BF138378.D
Acq: 27 Jun 2024 21:09

Tgt Ion: 70 Resp: 89197
Ion Ratio Lower Upper
70 100
42 45.0 42.8 64.2
101 0.0 8.4 12.6#
130 2.2 19.3 28.9#



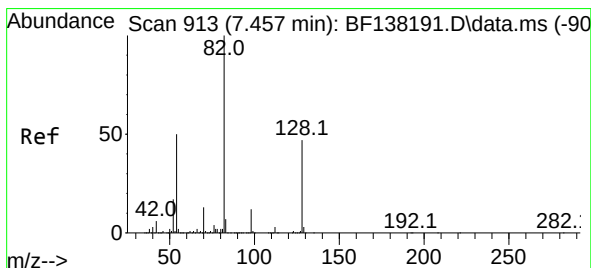
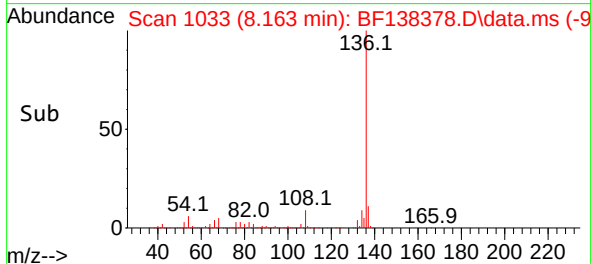
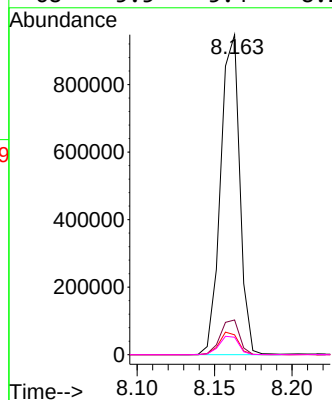
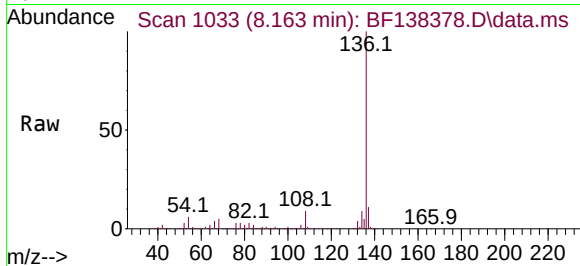


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF138378.D
Acq: 27 Jun 2024 21:09

Instrument :
BNA_F
ClientSampleId :
1-W-1

Tgt Ion:136 Resp: 815342

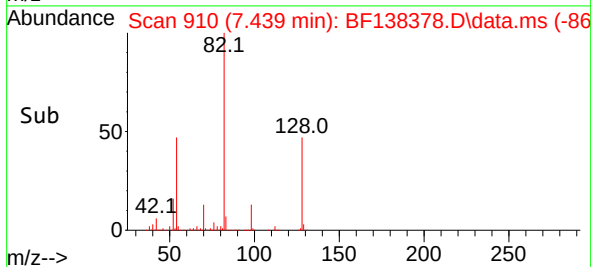
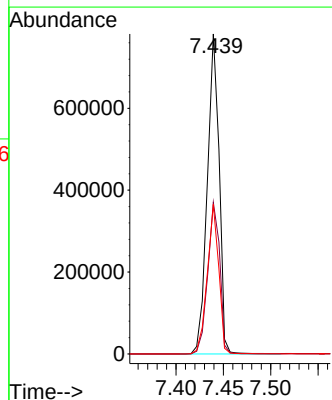
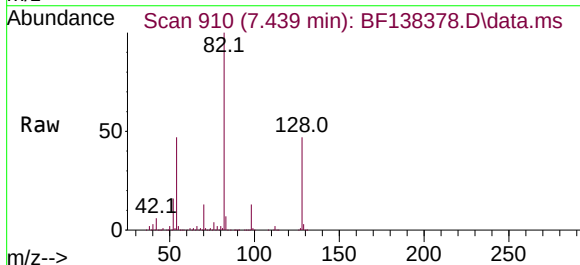
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	6.2	6.6	10.0#
68	5.5	5.4	8.2

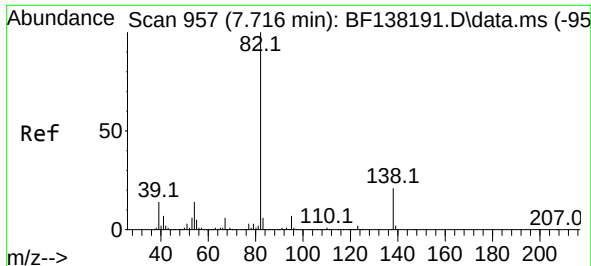


#23
Nitrobenzene-d5
Concen: 48.471 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.018 min
Lab File: BF138378.D
Acq: 27 Jun 2024 21:09

Tgt Ion: 82 Resp: 678856

Ion	Ratio	Lower	Upper
82	100		
128	47.4	37.2	55.8
54	46.7	39.8	59.6

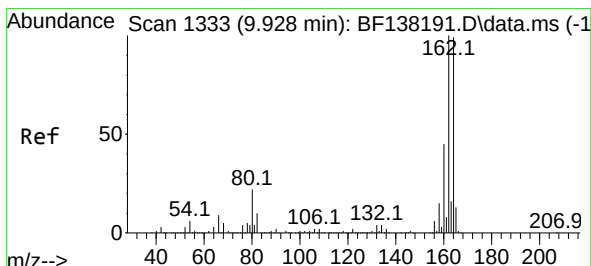
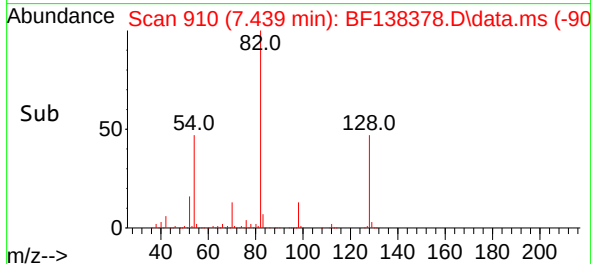
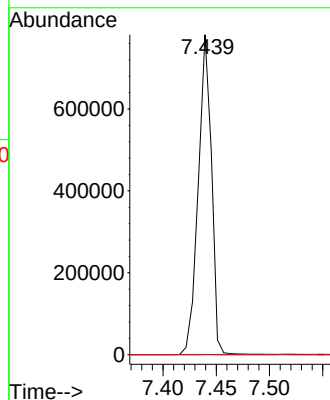
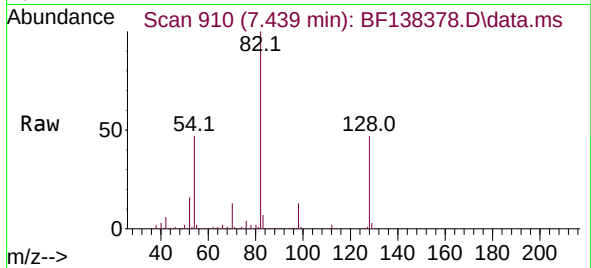




#25
Isophorone
Concen: 26.625 ng
RT: 7.439 min Scan# 91
Delta R.T. -0.277 min
Lab File: BF138378.D
Acq: 27 Jun 2024 21:09

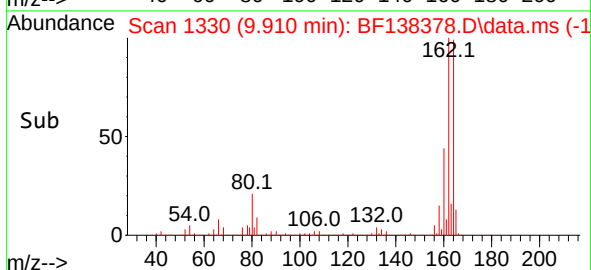
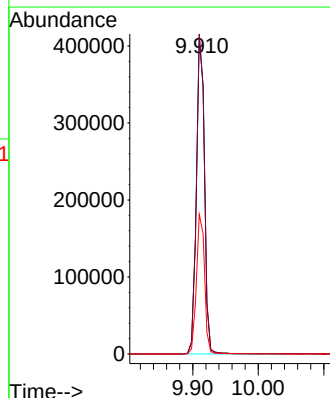
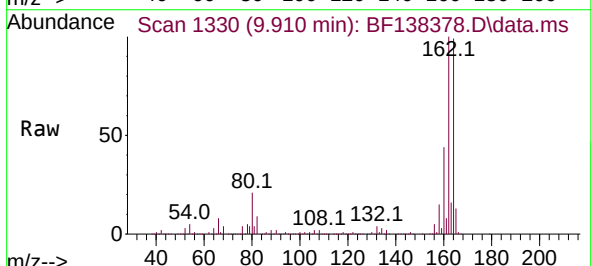
Instrument :
BNA_F
ClientSampleId :
1-W-1

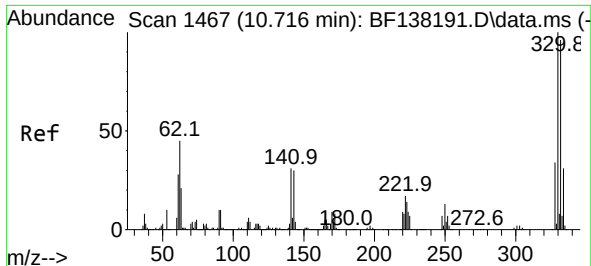
Tgt Ion: 82 Resp: 674487
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 16.4 24.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.018 min
Lab File: BF138378.D
Acq: 27 Jun 2024 21:09

Tgt Ion: 164 Resp: 355821
Ion Ratio Lower Upper
164 100
162 101.0 80.6 121.0
160 44.0 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 64.522 ng

RT: 10.698 min Scan# 1464

Delta R.T. -0.018 min

Lab File: BF138378.D

Acq: 27 Jun 2024 21:09

Instrument :

BNA_F

ClientSampleId :

1-W-1

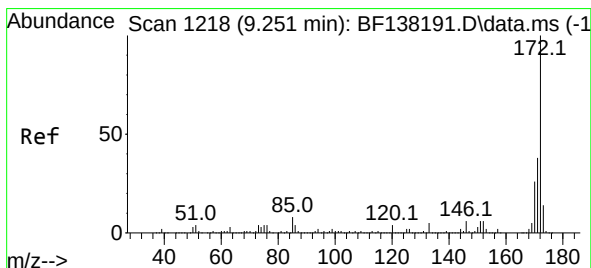
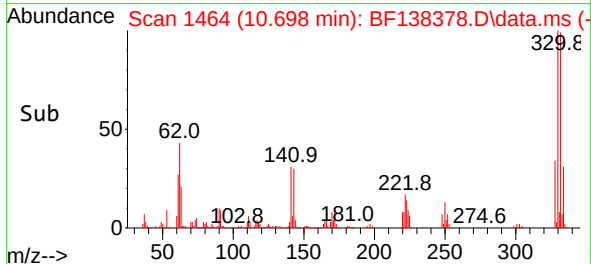
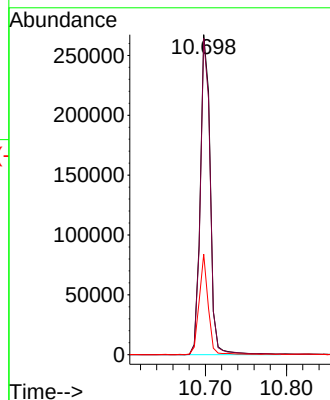
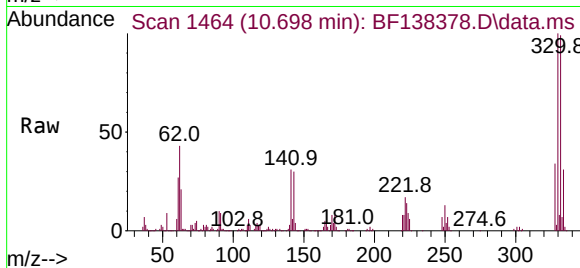
Tgt Ion:330 Resp: 228555

Ion Ratio Lower Upper

330 100

332 98.0 76.6 115.0

141 28.9 23.9 35.9



#45

2-Fluorobiphenyl

Concen: 48.680 ng

RT: 9.233 min Scan# 1215

Delta R.T. -0.018 min

Lab File: BF138378.D

Acq: 27 Jun 2024 21:09

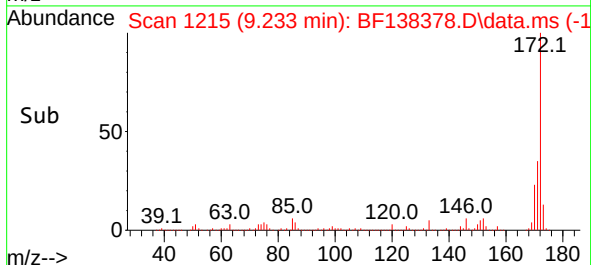
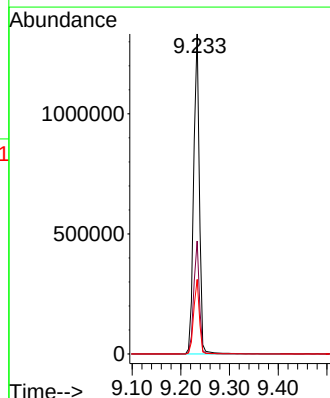
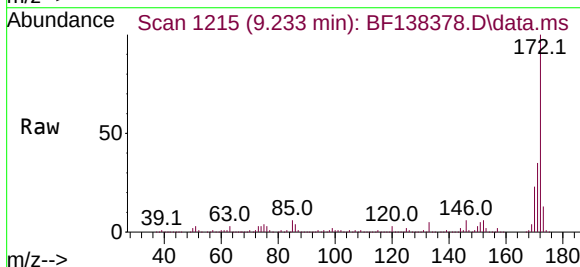
Tgt Ion:172 Resp: 1089283

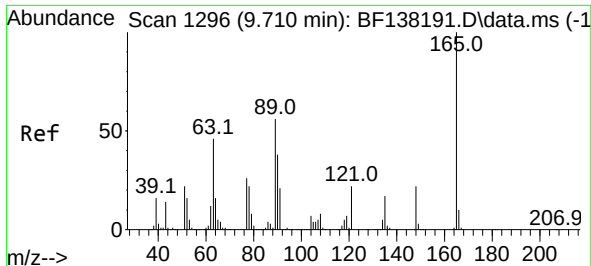
Ion Ratio Lower Upper

172 100

171 35.3 30.3 45.5

170 23.3 20.6 30.8

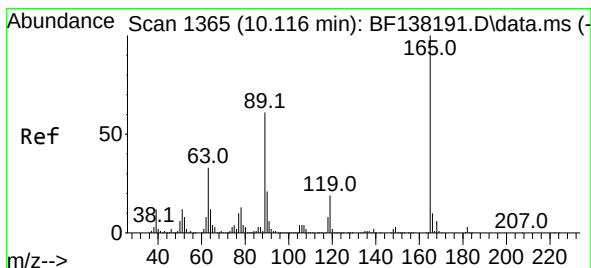
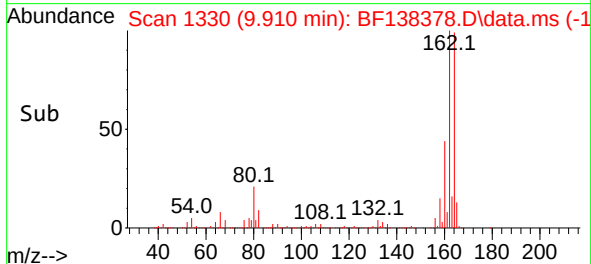
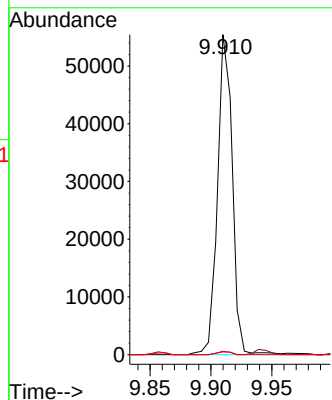
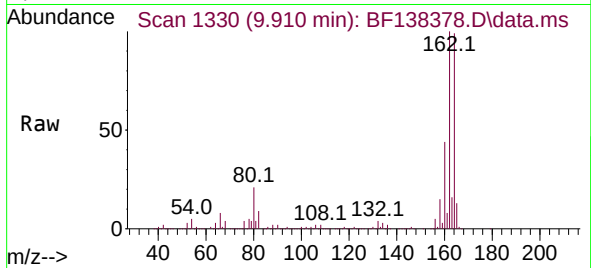




#51
2,6-Dinitrotoluene
Concen: 9.883 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF138378.D
Acq: 27 Jun 2024 21:09

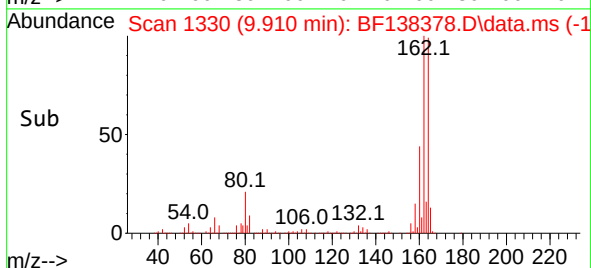
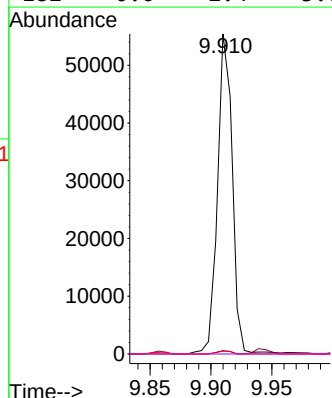
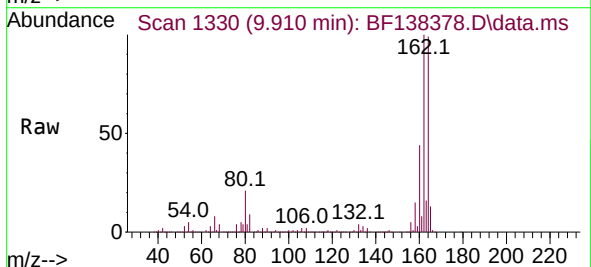
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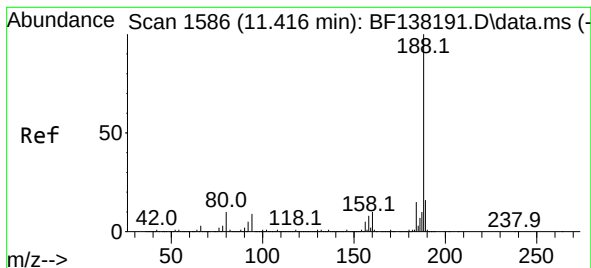
Tgt Ion:165 Resp: 46745
Ion Ratio Lower Upper
165 100
63 1.0 43.7 65.5#
89 0.9 44.9 67.3#



#57
2,4-Dinitrotoluene
Concen: 8.013 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.206 min
Lab File: BF138378.D
Acq: 27 Jun 2024 21:09

Tgt Ion:165 Resp: 46745
Ion Ratio Lower Upper
165 100
63 1.0 26.6 39.8#
89 0.9 48.7 73.1#
182 0.0 2.4 3.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF138378.D

Acq: 27 Jun 2024 21:09

Instrument :

BNA_F

ClientSampleId :

1-W-1

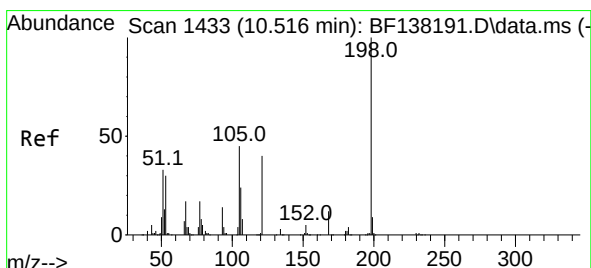
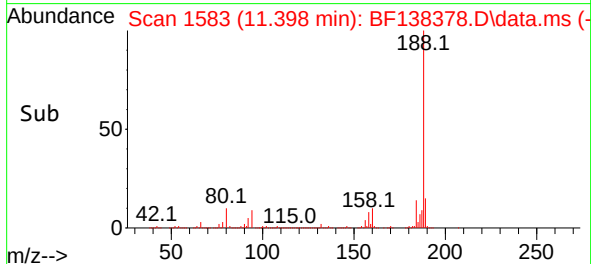
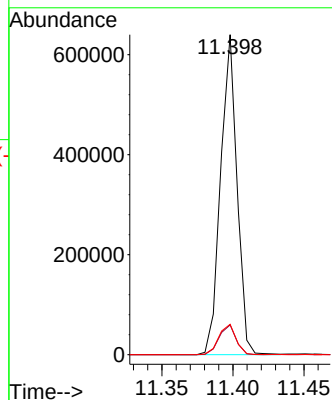
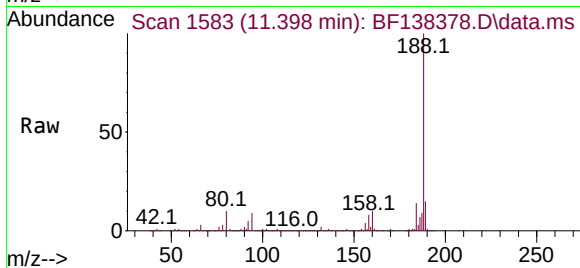
Tgt Ion:188 Resp: 513267

Ion Ratio Lower Upper

188 100

94 9.3 7.6 11.4

80 9.5 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.105 ng

RT: 10.698 min Scan# 1464

Delta R.T. 0.182 min

Lab File: BF138378.D

Acq: 27 Jun 2024 21:09

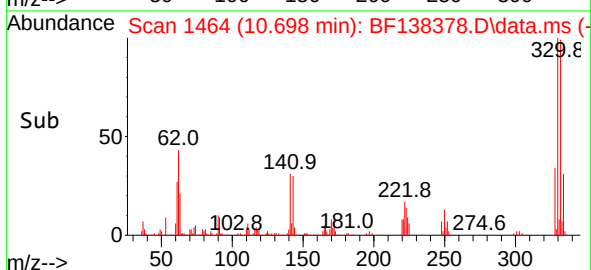
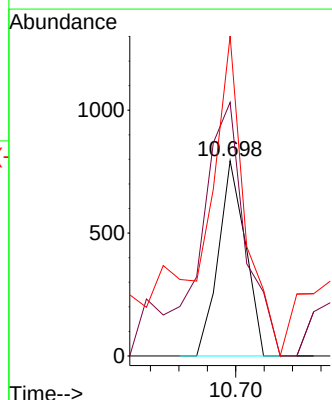
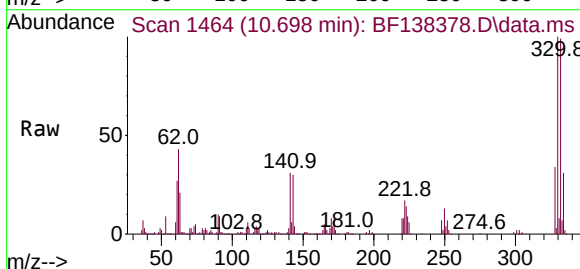
Tgt Ion:198 Resp: 523

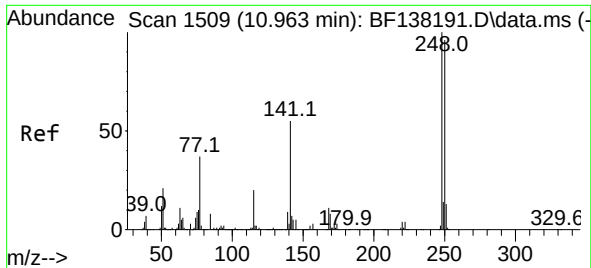
Ion Ratio Lower Upper

198 100

51 130.0 26.9 66.9#

105 164.0 26.0 66.0#

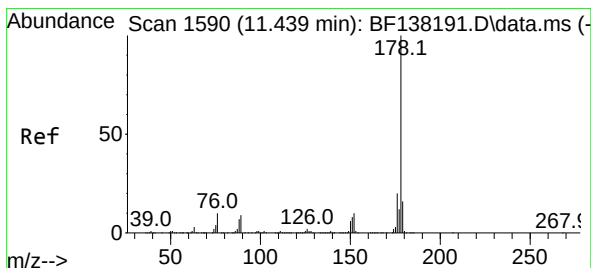
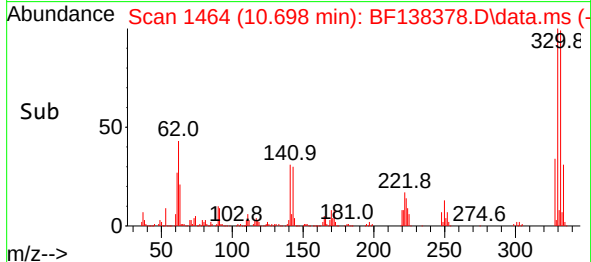
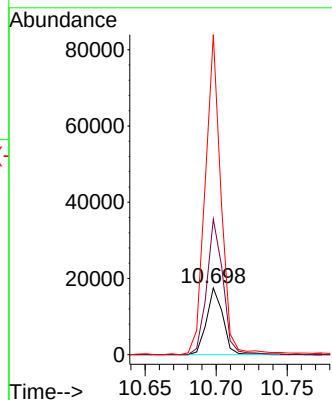
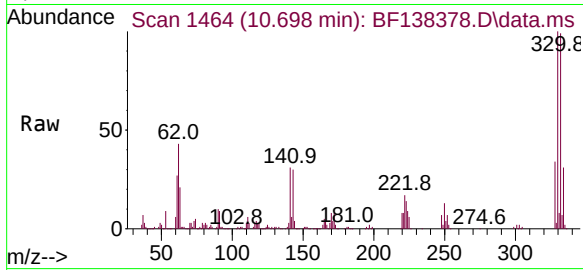




#67
4-Bromophenyl-phenylether
Concen: 2.419 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.265 min
Lab File: BF138378.D
Acq: 27 Jun 2024 21:09

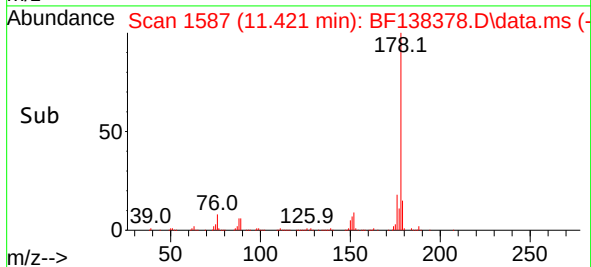
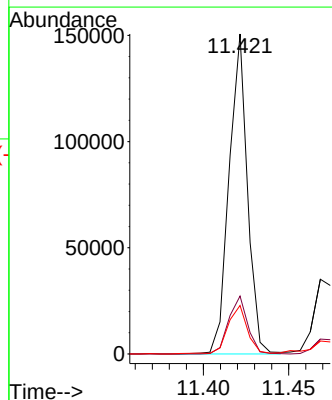
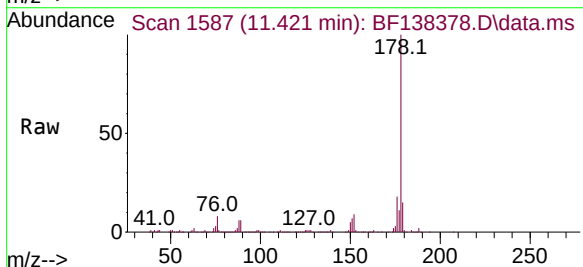
Instrument :
BNA_F
ClientSampleId :
1-W-1

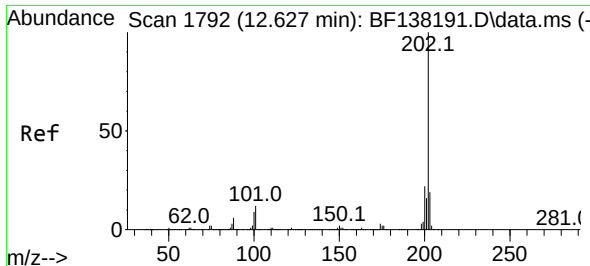
Tgt Ion:248 Resp: 13990
Ion Ratio Lower Upper
248 100
250 203.5 77.2 115.8#
141 480.0 44.1 66.1#



#71
Phenanthrene
Concen: 4.456 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.018 min
Lab File: BF138378.D
Acq: 27 Jun 2024 21:09

Tgt Ion:178 Resp: 113107
Ion Ratio Lower Upper
178 100
176 18.1 16.4 24.6
179 15.1 13.1 19.7

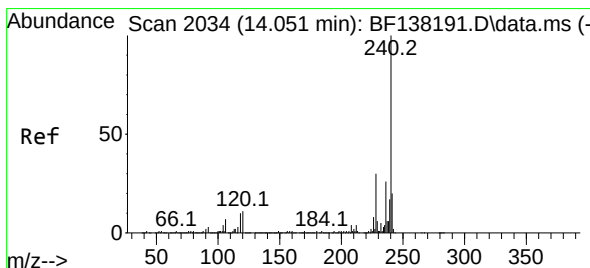
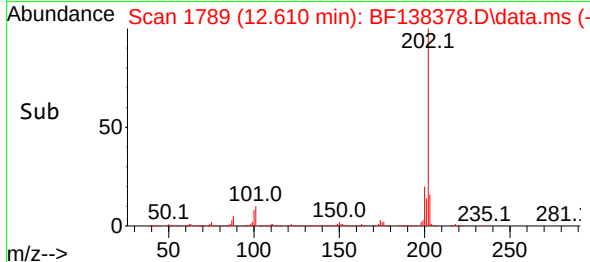
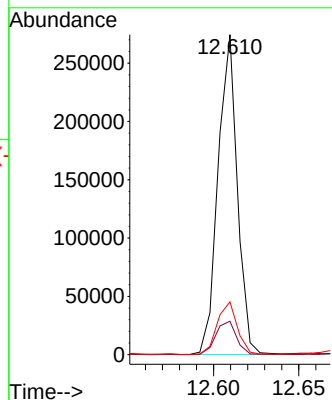
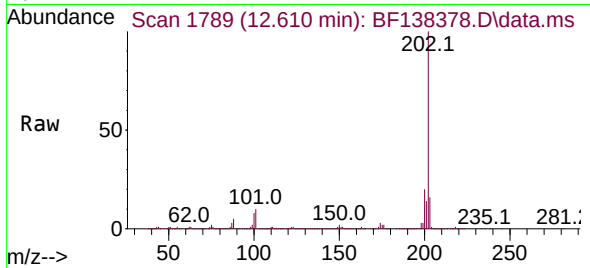




#75
Fluoranthene
Concen: 8.354 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.018 min
Lab File: BF138378.D
Acq: 27 Jun 2024 21:09

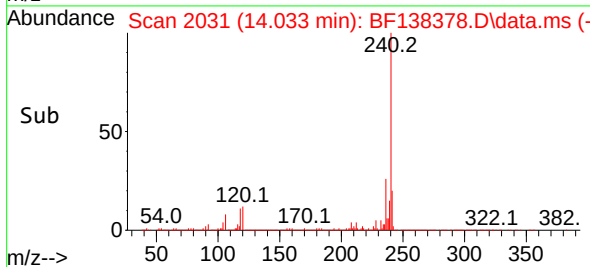
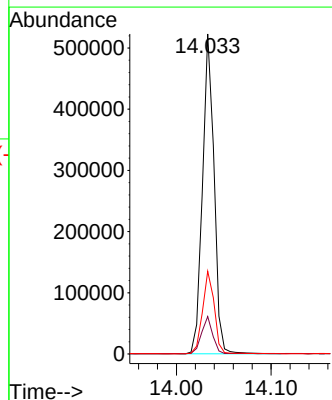
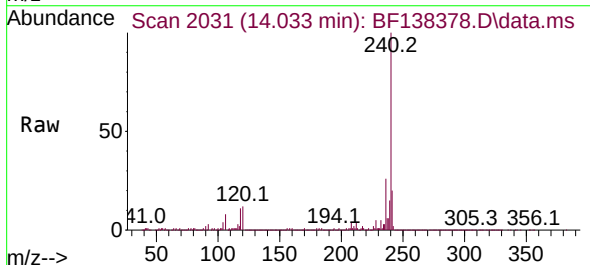
Instrument :
BNA_F
ClientSampleId :
1-W-1

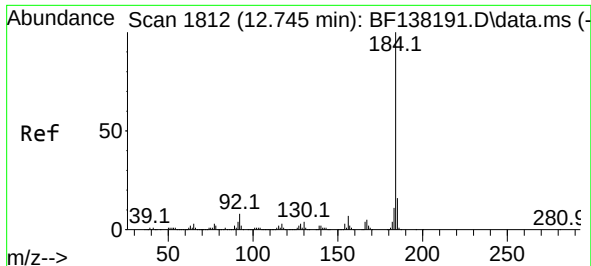
Tgt Ion:202 Resp: 216234
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.8
203 16.5 0.0 38.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.018 min
Lab File: BF138378.D
Acq: 27 Jun 2024 21:09

Tgt Ion:240 Resp: 442101
Ion Ratio Lower Upper
240 100
120 11.7 9.2 13.8
236 25.9 21.0 31.6

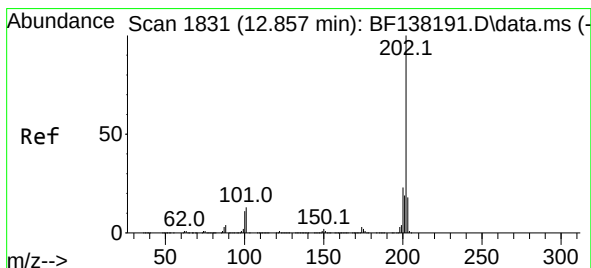
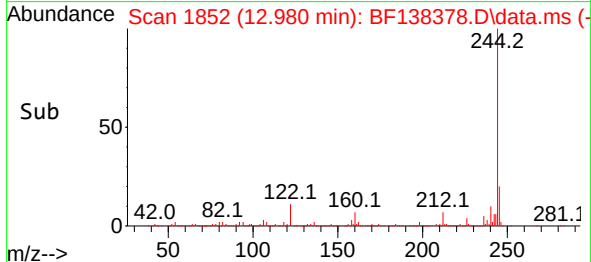
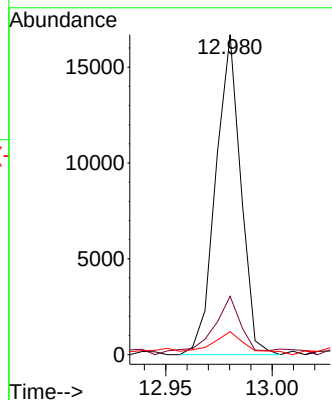
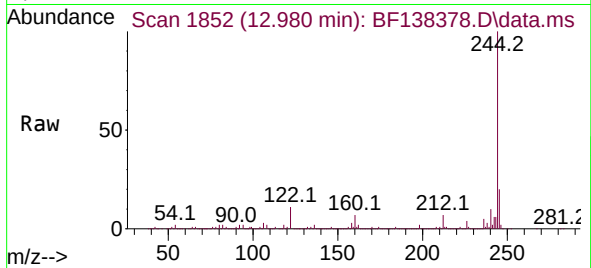




#77
Benzidine
Concen: 2.671 ng
RT: 12.980 min Scan# 1852
Delta R.T. 0.235 min
Lab File: BF138378.D
Acq: 27 Jun 2024 21:09

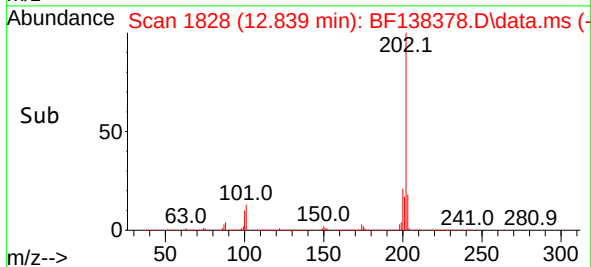
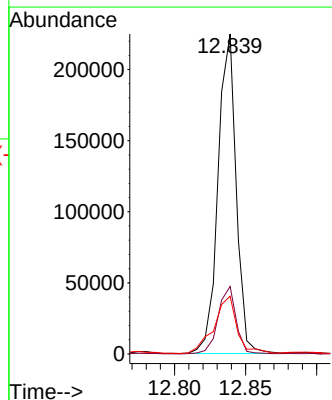
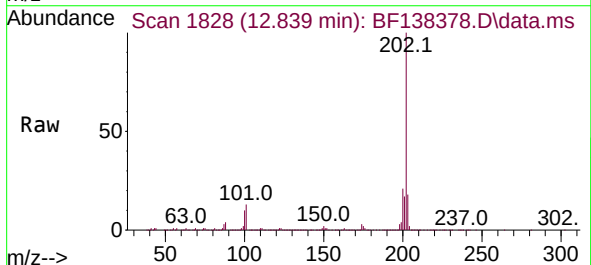
Instrument :
BNA_F
ClientSampleId :
1-W-1

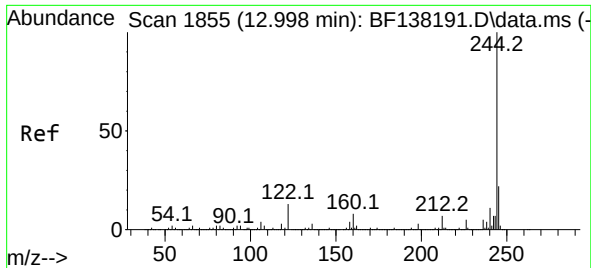
Tgt Ion:184 Resp: 13657
Ion Ratio Lower Upper
184 100
185 18.2 12.6 19.0
183 7.2 9.0 13.6#



#78
Pyrene
Concen: 5.236 ng
RT: 12.839 min Scan# 1828
Delta R.T. -0.018 min
Lab File: BF138378.D
Acq: 27 Jun 2024 21:09

Tgt Ion:202 Resp: 199682
Ion Ratio Lower Upper
202 100
200 21.1 18.0 27.0
203 18.1 14.7 22.1

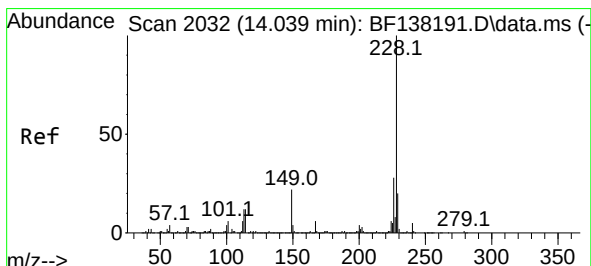
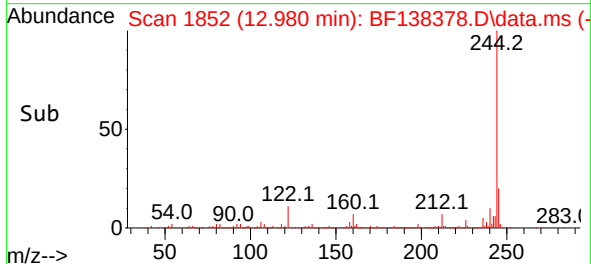
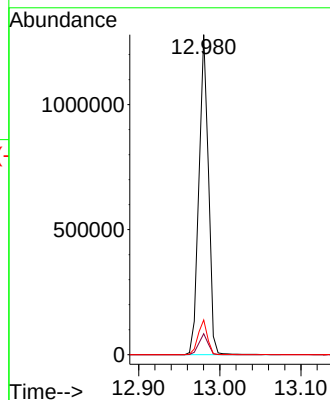
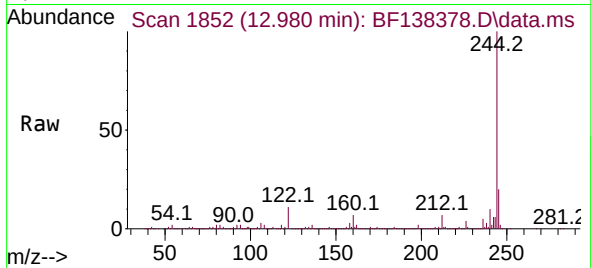




#79
 Terphenyl-d14
 Concen: 37.472 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. -0.018 min
 Lab File: BF138378.D
 Acq: 27 Jun 2024 21:09

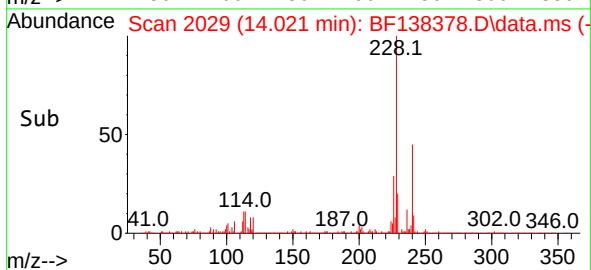
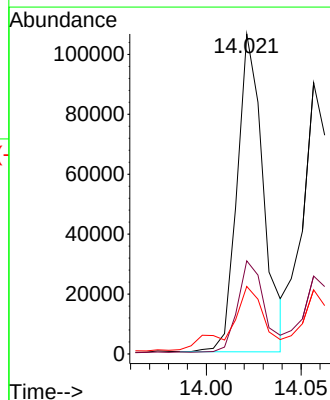
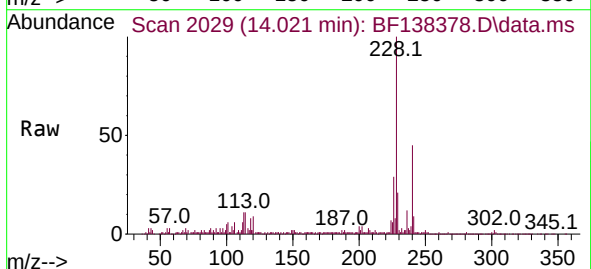
Instrument :
 BNA_F
 ClientSampleId :
 1-W-1

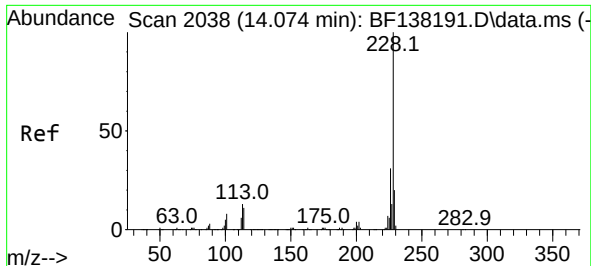
Tgt Ion:244 Resp: 1045973
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.9 8.9
 122 10.8 10.6 15.8



#81
 Benzo(a)anthracene
 Concen: 3.607 ng
 RT: 14.021 min Scan# 2029
 Delta R.T. -0.018 min
 Lab File: BF138378.D
 Acq: 27 Jun 2024 21:09

Tgt Ion:228 Resp: 102297
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.5 33.7
 229 21.1 16.3 24.5

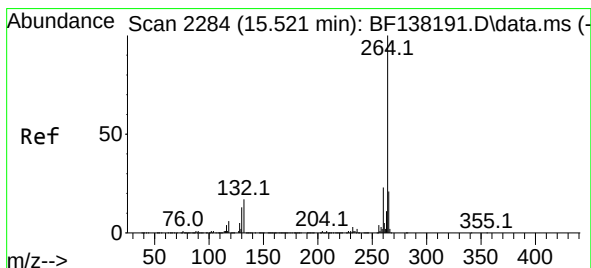
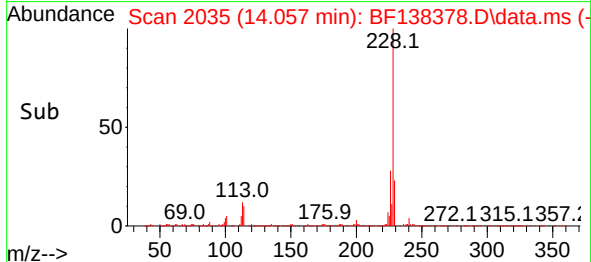
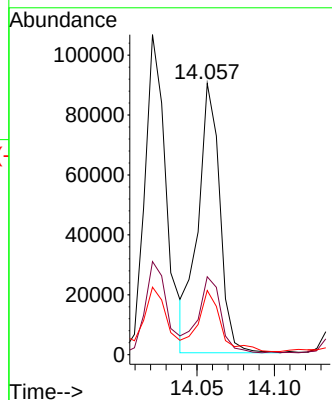
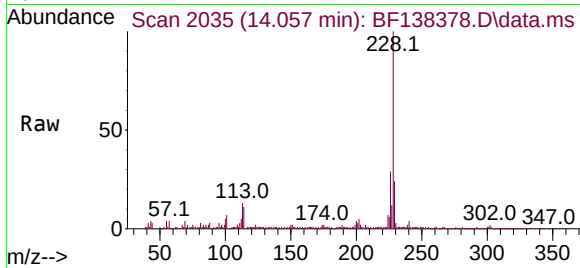




#83
Chrysene
Concen: 3.282 ng
RT: 14.057 min Scan# 2038
Delta R.T. -0.018 min
Lab File: BF138378.D
Acq: 27 Jun 2024 21:09

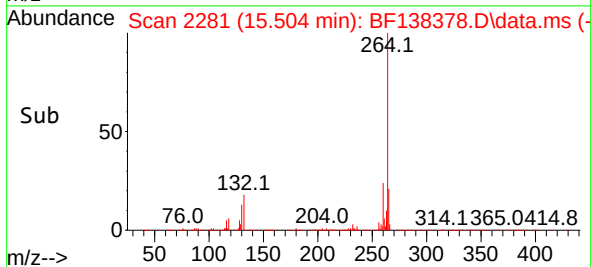
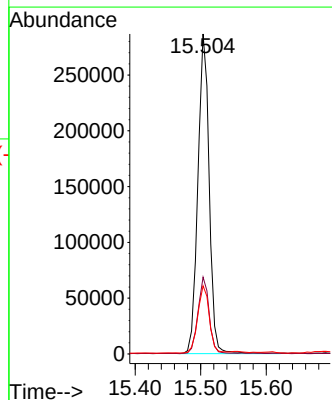
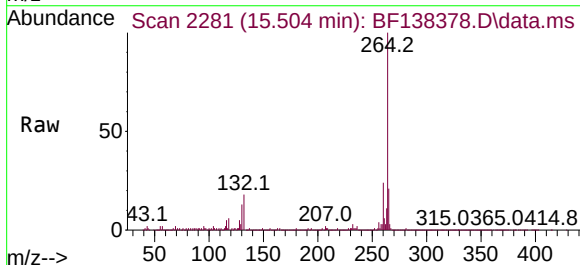
Instrument :
BNA_F
ClientSampleId :
1-W-1

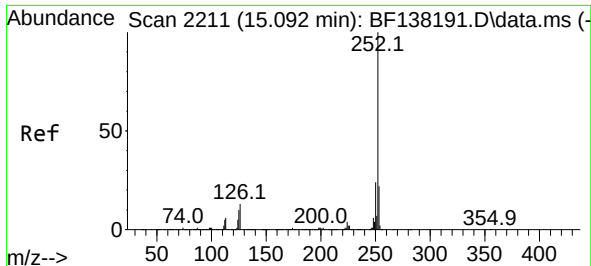
Tgt Ion:228 Resp: 88726
Ion Ratio Lower Upper
228 100
226 28.7 24.5 36.7
229 23.7 16.3 24.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2281
Delta R.T. -0.018 min
Lab File: BF138378.D
Acq: 27 Jun 2024 21:09

Tgt Ion:264 Resp: 343946
Ion Ratio Lower Upper
264 100
260 24.0 18.7 28.1
265 21.3 17.0 25.6

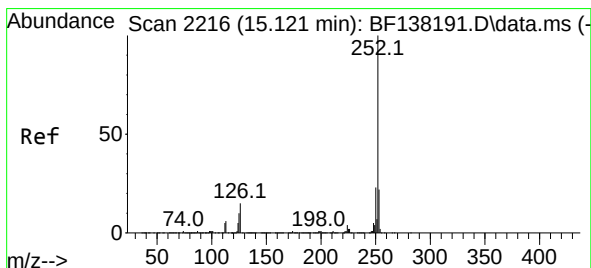
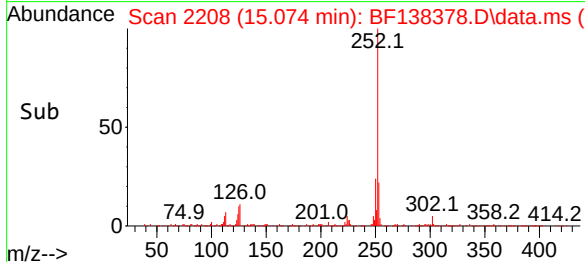
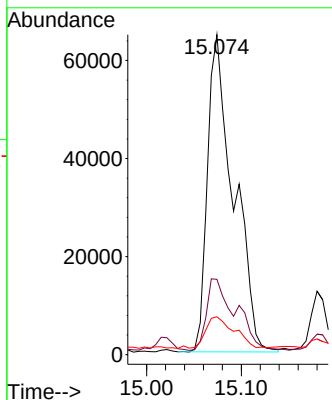
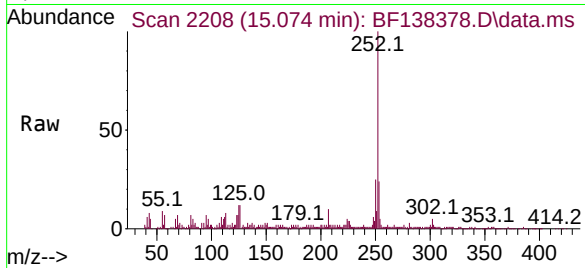




#88
Benzo(b)fluoranthene
Concen: 6.108 ng
RT: 15.074 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF138378.D
Acq: 27 Jun 2024 21:09

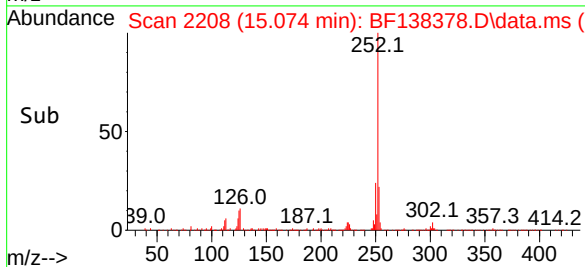
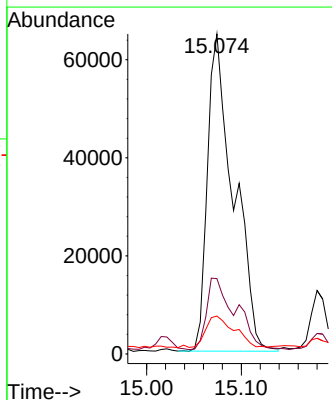
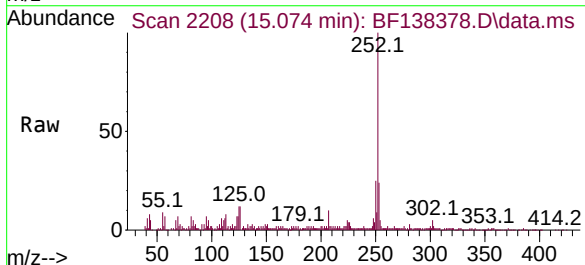
Instrument :
BNA_F
ClientSampleId :
1-W-1

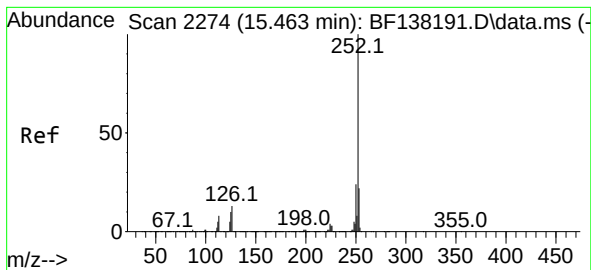
Tgt Ion:252 Resp: 123881
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 11.9 7.8 11.8#



#89
Benzo(k)fluoranthene
Concen: 6.232 ng
RT: 15.074 min Scan# 2208
Delta R.T. -0.047 min
Lab File: BF138378.D
Acq: 27 Jun 2024 21:09

Tgt Ion:252 Resp: 123881
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 11.9 8.0 12.0





#90

Benzo(a)pyrene

Concen: 3.567 ng

RT: 15.439 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF138378.D

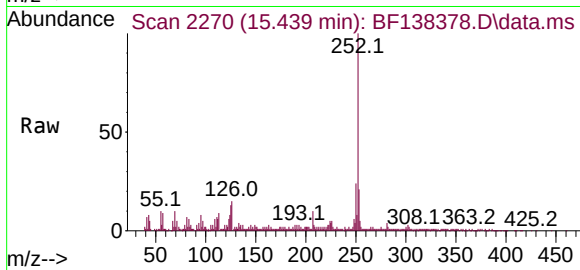
Acq: 27 Jun 2024 21:09

Instrument :

BNA_F

ClientSampleId :

1-W-1



Tgt Ion:252 Resp: 62160

Ion Ratio Lower Upper

252 100

253 21.5 17.7 26.5

125 12.8 8.2 12.2#

