

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061924\
 Data File : BF138256.D
 Acq On : 19 Jun 2024 20:28
 Operator : CG\JU
 Sample : P2940-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-061824

Quant Time: Jun 20 01:11:49 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)

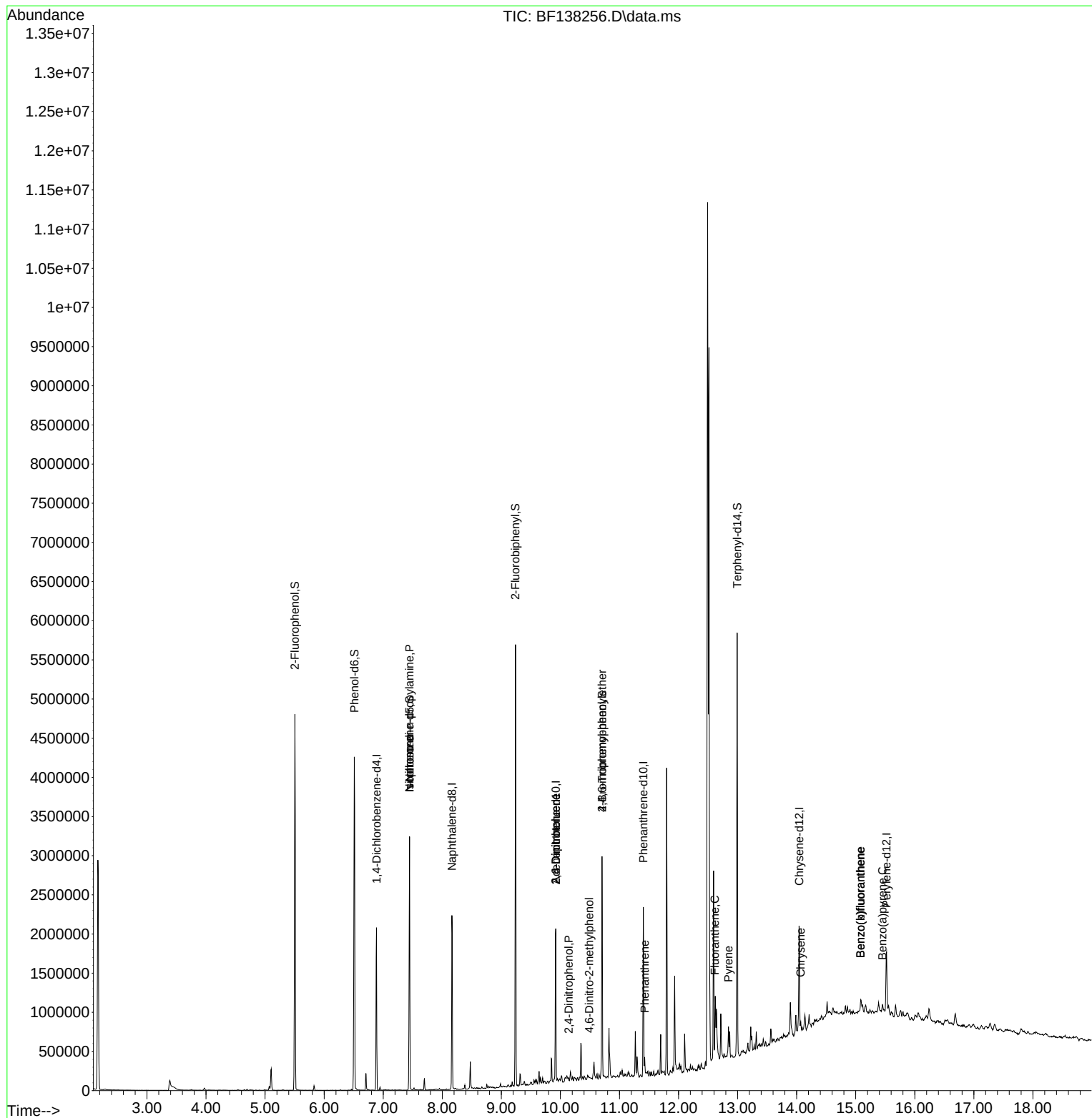
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	292757	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	959453	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	404197	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	728908	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	451864	20.000	ng	0.00
86) Perylene-d12	15.521	264	408499	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1389749	79.411	ng	0.00
7) Phenol-d6	6.510	99	1634315	73.646	ng	-0.01
23) Nitrobenzene-d5	7.445	82	931571	56.525	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	333069	82.773	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1552875	61.092	ng	-0.01
79) Terphenyl-d14	12.992	244	1807059	63.339	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	123186	9.365	ng	# 79
25) Isophorone	7.445	82	930503	31.214	ng	# 62
51) 2,6-Dinitrotoluene	9.922	165	53937	10.039	ng	# 25
54) 2,4-Dinitrophenol	10.139	184	53	4.230	ng	# 1
57) 2,4-Dinitrotoluene	9.922	165	53937	8.139	ng	# 31
65) 4,6-Dinitro-2-methylph...	10.486	198	61	6.948	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	21203	2.581	ng	# 1
71) Phenanthrene	11.428	178	77403	2.147	ng	98
75) Fluoranthene	12.616	202	129936	3.535	ng	98
78) Pyrene	12.845	202	147156	3.776	ng	98
83) Chrysene	14.069	228	59106	2.139	ng	# 91
88) Benzo(b)fluoranthene	15.080	252	69809	2.898	ng	# 76
89) Benzo(k)fluoranthene	15.080	252	69809	2.957	ng	# 76
90) Benzo(a)pyrene	15.451	252	47184	2.280	ng	# 73

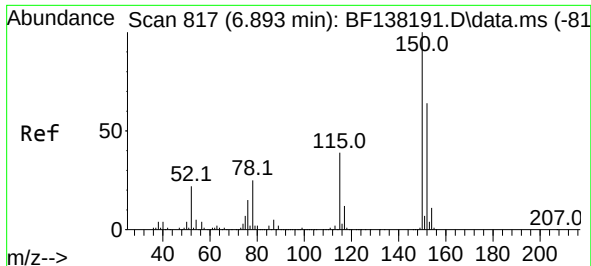
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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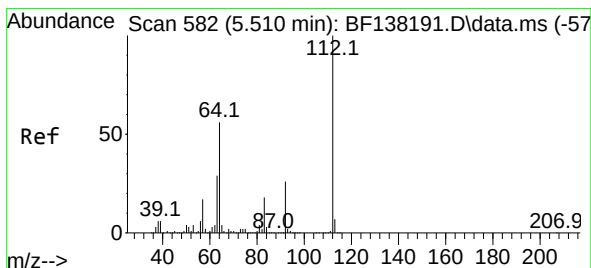
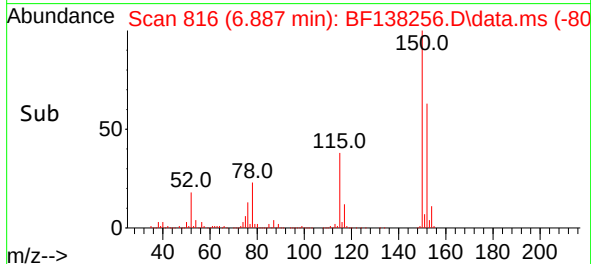
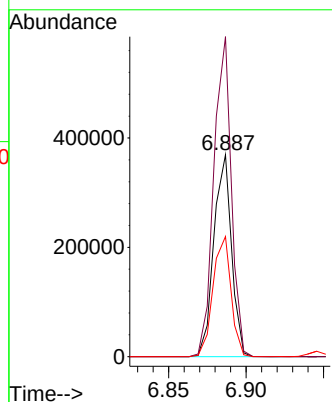
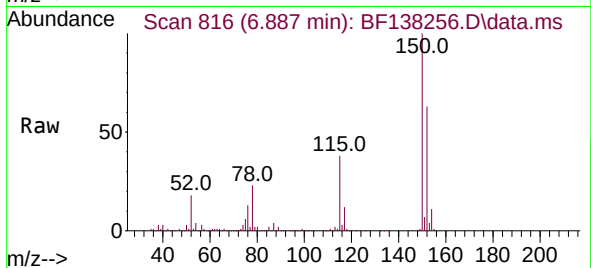




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF138256.D
Acq: 19 Jun 2024 20:28

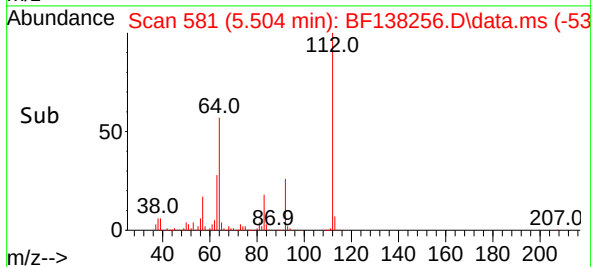
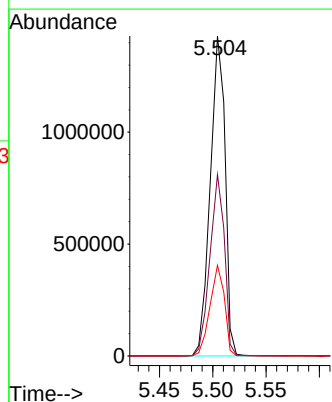
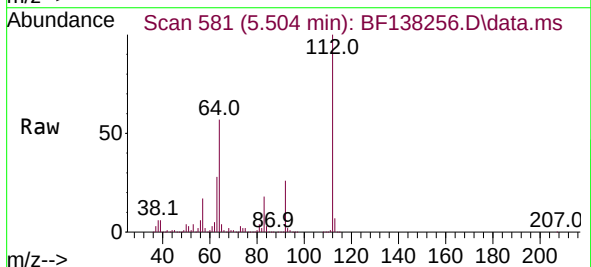
Instrument :
BNA_F
ClientSampleId :
SU-03-061824

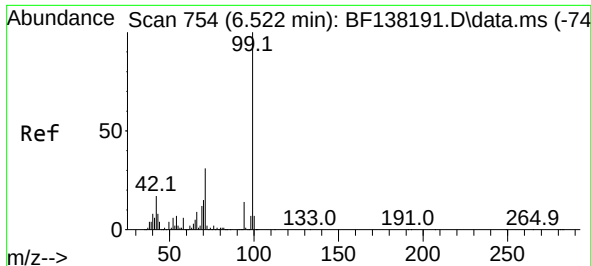
Tgt Ion:152 Resp: 292757
Ion Ratio Lower Upper
152 100
150 158.5 125.0 187.4
115 59.5 48.4 72.6



#5
2-Fluorophenol
Concen: 79.411 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.006 min
Lab File: BF138256.D
Acq: 19 Jun 2024 20:28

Tgt Ion:112 Resp: 1389749
Ion Ratio Lower Upper
112 100
64 56.7 45.2 67.8
63 28.3 22.9 34.3

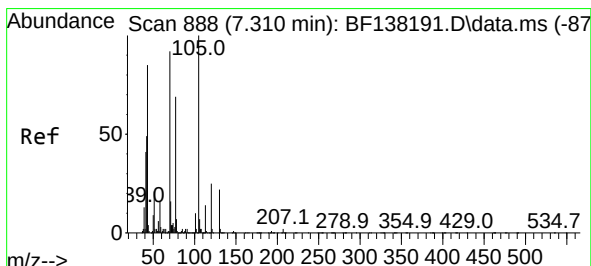
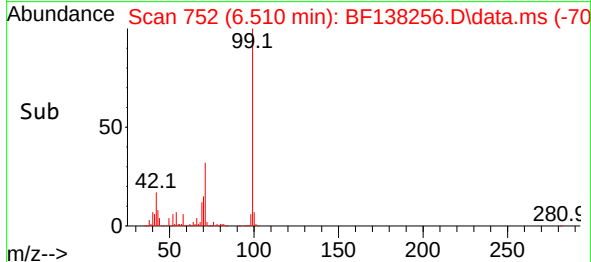
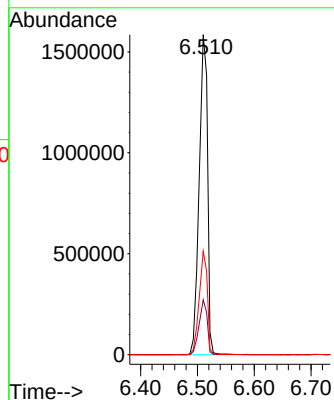
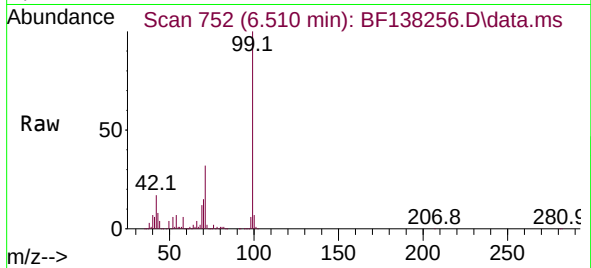




#7
Phenol-d6
Concen: 73.646 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.012 min
Lab File: BF138256.D
Acq: 19 Jun 2024 20:28

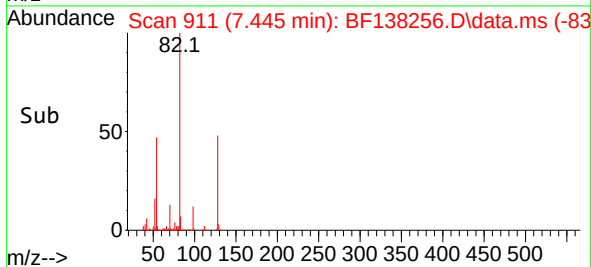
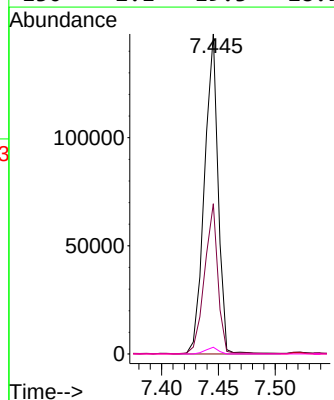
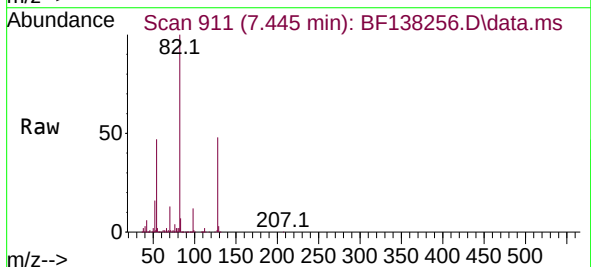
Instrument :
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ClientSampleId :
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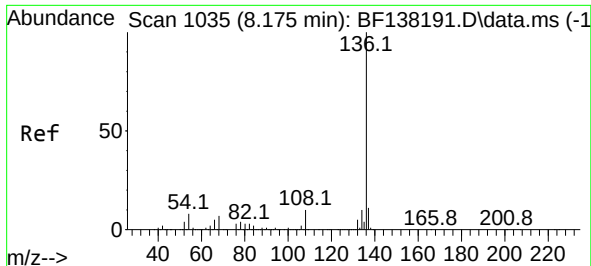
Tgt Ion: 99 Resp: 1634315
Ion Ratio Lower Upper
99 100
42 17.1 13.7 20.5
71 32.4 25.0 37.6



#19
n-Nitroso-di-n-propylamine
Concen: 9.365 ng
RT: 7.445 min Scan# 911
Delta R.T. 0.135 min
Lab File: BF138256.D
Acq: 19 Jun 2024 20:28

Tgt Ion: 70 Resp: 123186
Ion Ratio Lower Upper
70 100
42 46.9 42.8 64.2
101 0.0 8.4 12.6#
130 2.1 19.3 28.9#

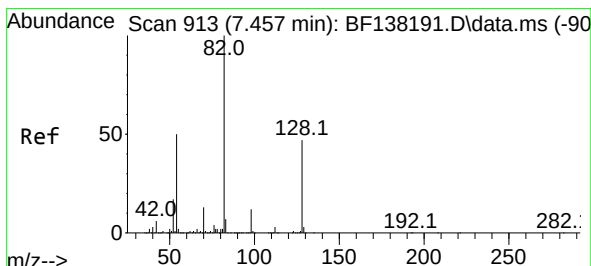
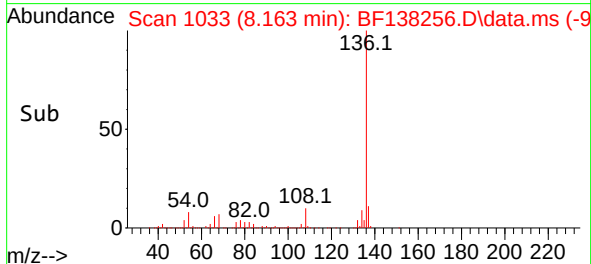
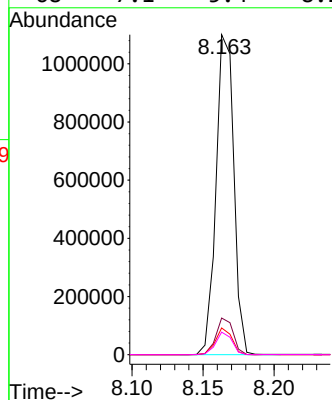
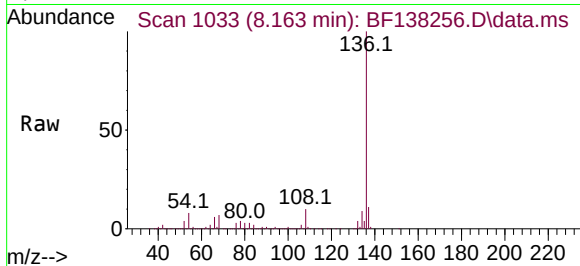




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.012 min
Lab File: BF138256.D
Acq: 19 Jun 2024 20:28

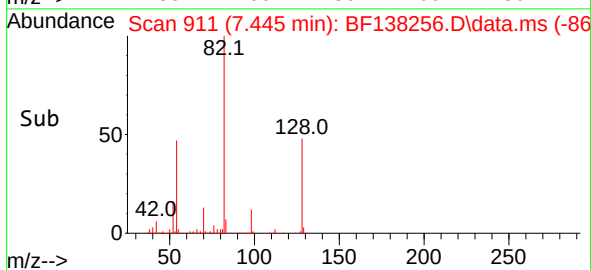
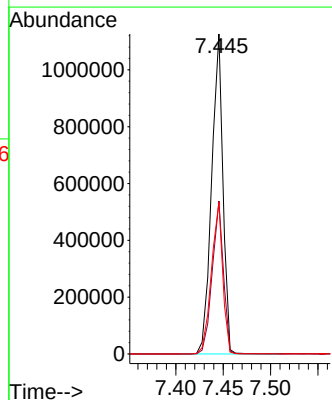
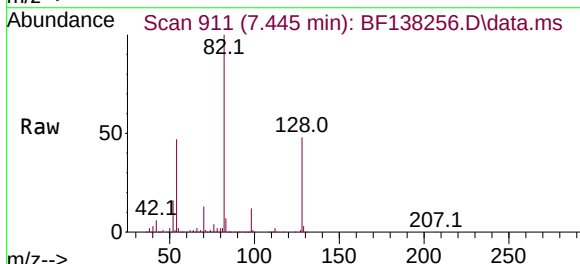
Instrument :
BNA_F
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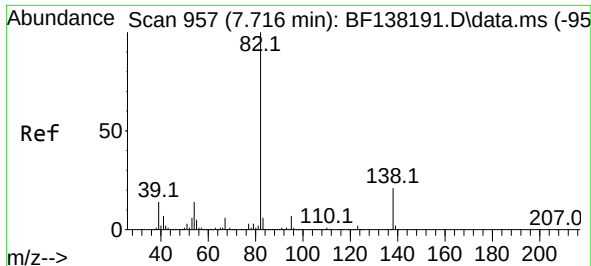
Tgt Ion:	136	Resp:	959453
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	8.3	6.6	10.0
68	7.1	5.4	8.2



#23
Nitrobenzene-d5
Concen: 56.525 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF138256.D
Acq: 19 Jun 2024 20:28

Tgt Ion:	82	Resp:	931571
Ion	Ratio	Lower	Upper
82	100		
128	47.8	37.2	55.8
54	47.4	39.8	59.6

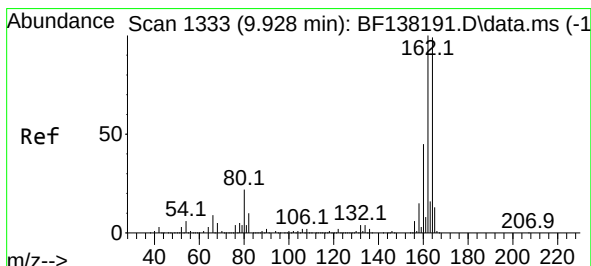
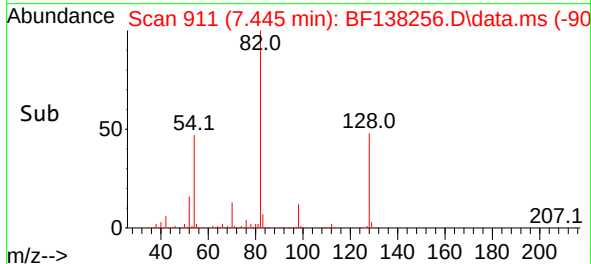
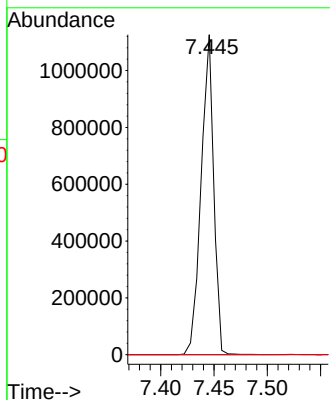
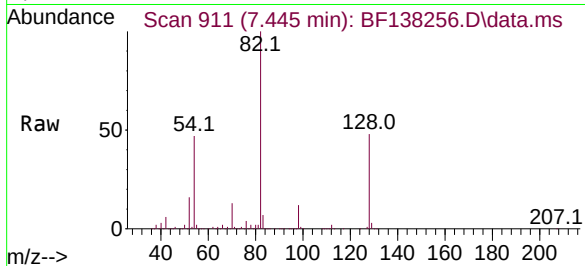




#25
Isophorone
Concen: 31.214 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.271 min
Lab File: BF138256.D
Acq: 19 Jun 2024 20:28

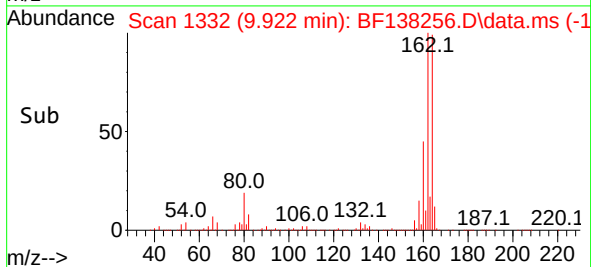
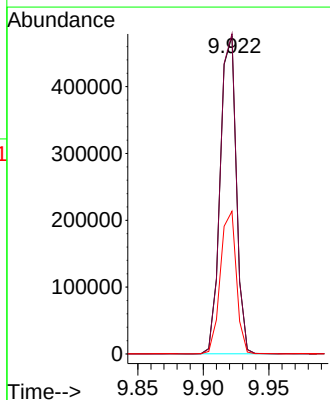
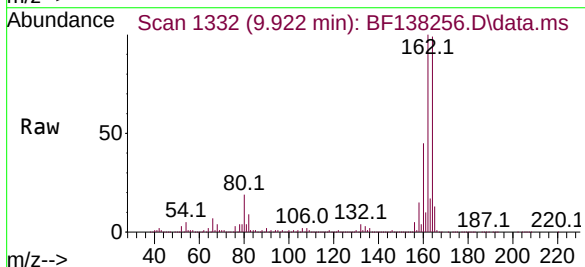
Instrument :
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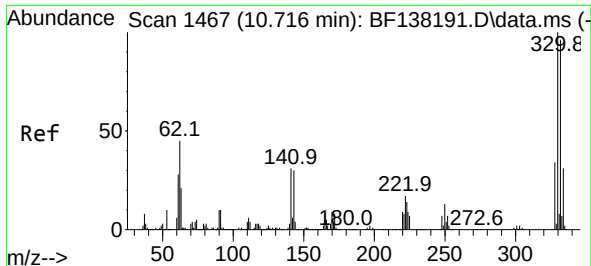
Tgt Ion: 82 Resp: 930503
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 16.4 24.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF138256.D
Acq: 19 Jun 2024 20:28

Tgt Ion: 164 Resp: 404197
Ion Ratio Lower Upper
164 100
162 100.7 80.6 121.0
160 44.9 36.3 54.5

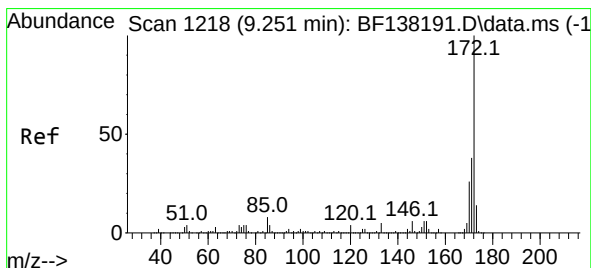
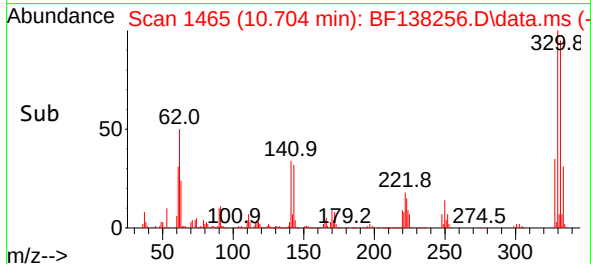
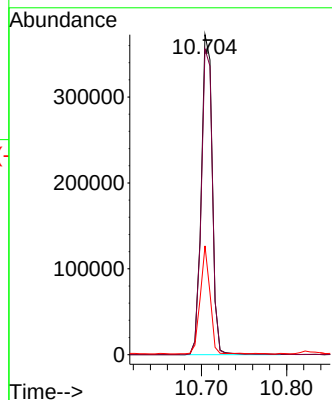
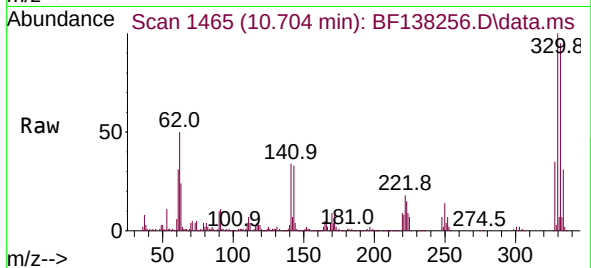




#42
2,4,6-Tribromophenol
Concen: 82.773 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.012 min
Lab File: BF138256.D
Acq: 19 Jun 2024 20:28

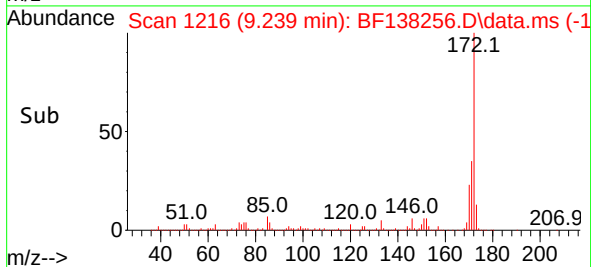
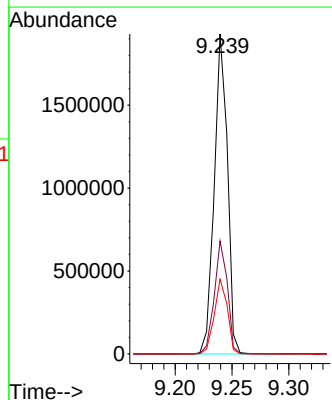
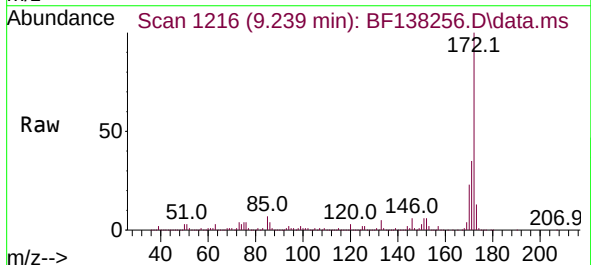
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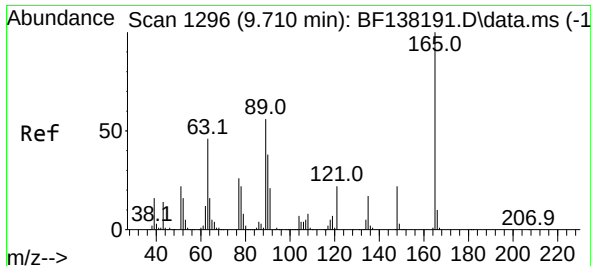
Tgt Ion:330 Resp: 333069
Ion Ratio Lower Upper
330 100
332 96.9 76.6 115.0
141 29.8 23.9 35.9



#45
2-Fluorobiphenyl
Concen: 61.092 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF138256.D
Acq: 19 Jun 2024 20:28

Tgt Ion:172 Resp: 1552875
Ion Ratio Lower Upper
172 100
171 35.3 30.3 45.5
170 23.3 20.6 30.8

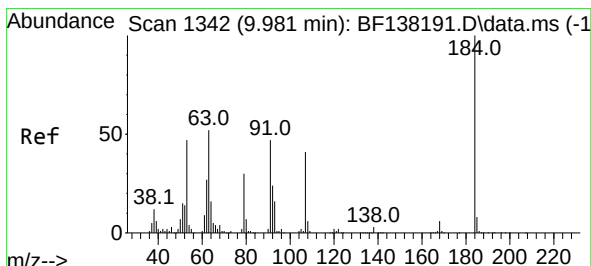
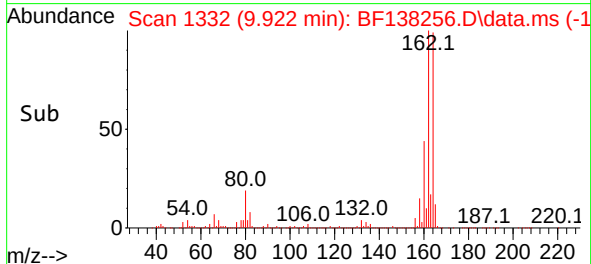
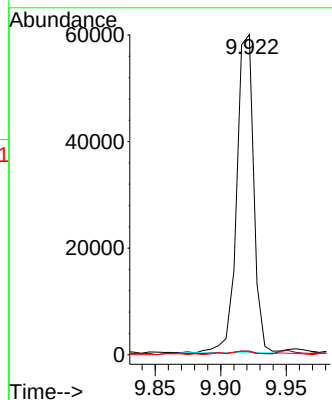
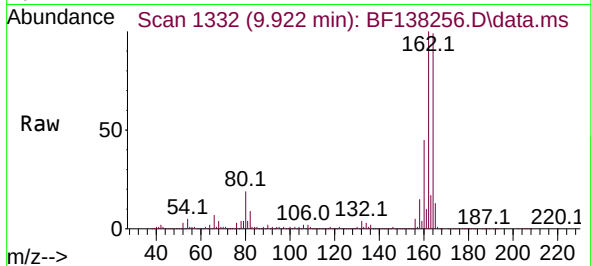




#51
2,6-Dinitrotoluene
Concen: 10.039 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF138256.D
Acq: 19 Jun 2024 20:28

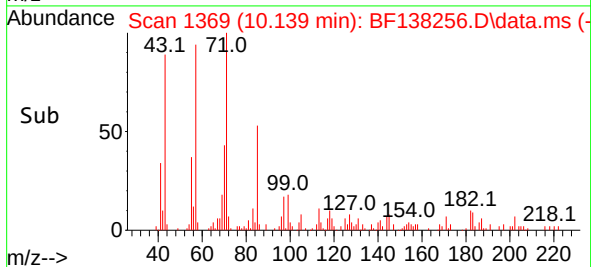
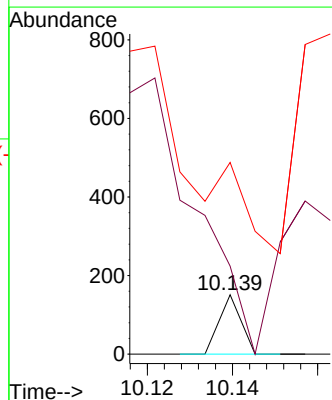
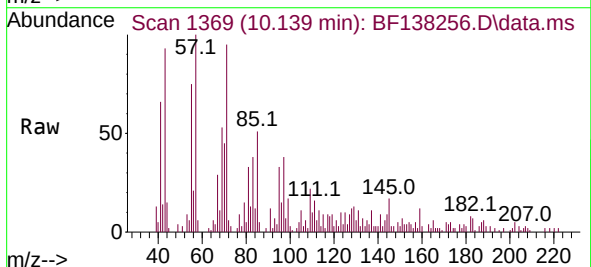
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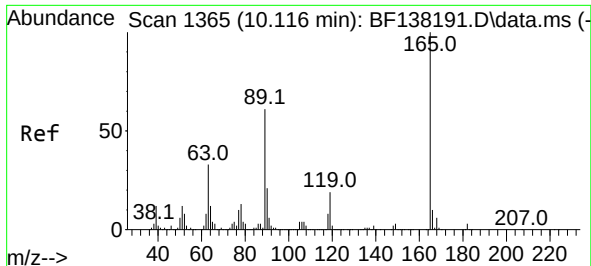
Tgt Ion:165 Resp: 53937
Ion Ratio Lower Upper
165 100
63 1.1 43.7 65.5#
89 0.9 44.9 67.3#



#54
2,4-Dinitrophenol
Concen: 4.230 ng
RT: 10.139 min Scan# 1369
Delta R.T. 0.158 min
Lab File: BF138256.D
Acq: 19 Jun 2024 20:28

Tgt Ion:184 Resp: 53
Ion Ratio Lower Upper
184 100
63 148.3 49.2 73.8#
154 323.2 46.7 70.1#

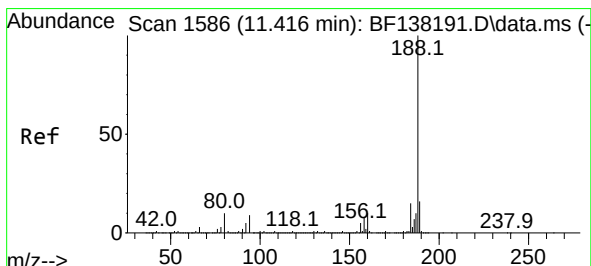
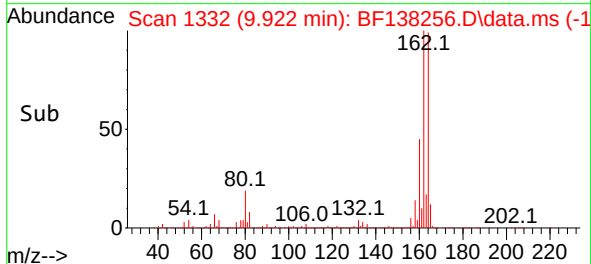
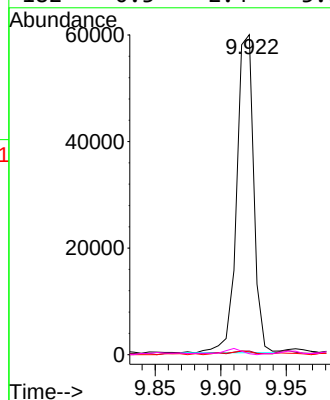
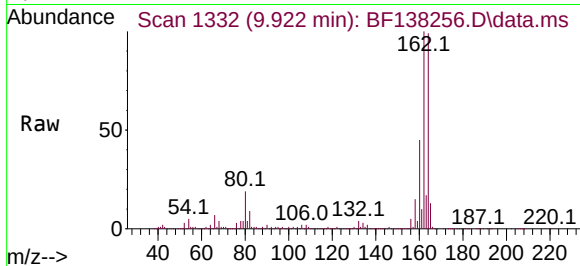




#57
2,4-Dinitrotoluene
Concen: 8.139 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF138256.D
Acq: 19 Jun 2024 20:28

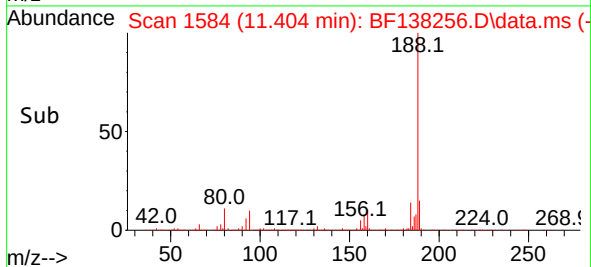
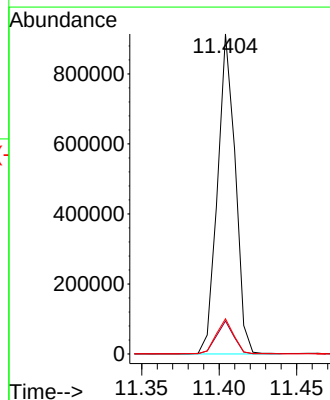
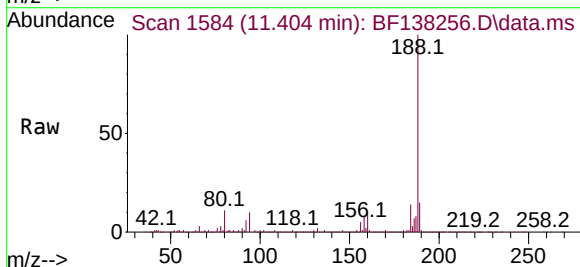
Instrument :
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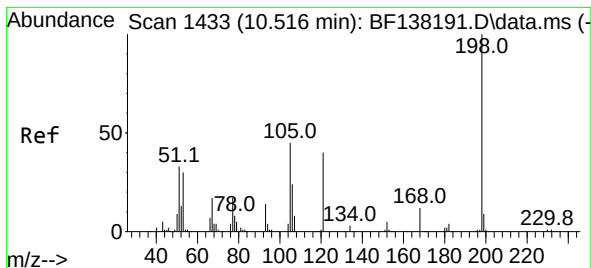
Tgt Ion:165 Resp: 53937
Ion Ratio Lower Upper
165 100
63 1.1 26.6 39.8#
89 0.9 48.7 73.1#
182 0.3 2.4 3.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF138256.D
Acq: 19 Jun 2024 20:28

Tgt Ion:188 Resp: 728908
Ion Ratio Lower Upper
188 100
94 10.3 7.6 11.4
80 11.0 8.1 12.1

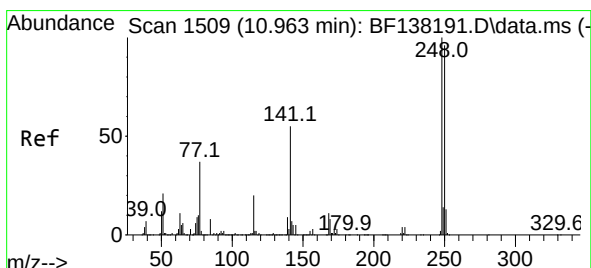
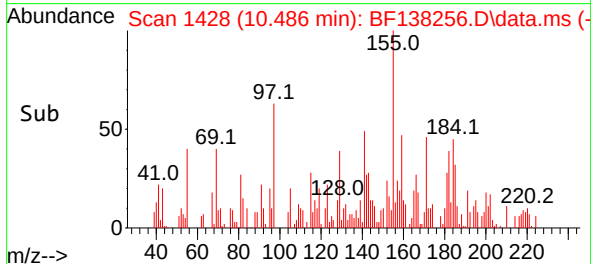
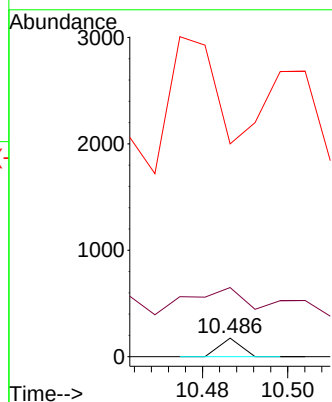
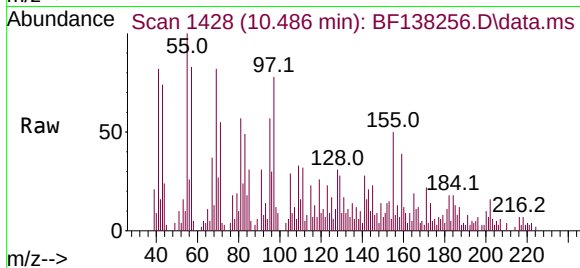




#65
4,6-Dinitro-2-methylphenol
Concen: 6.948 ng
RT: 10.486 min Scan# 1433
Delta R.T. -0.030 min
Lab File: BF138256.D
Acq: 19 Jun 2024 20:28

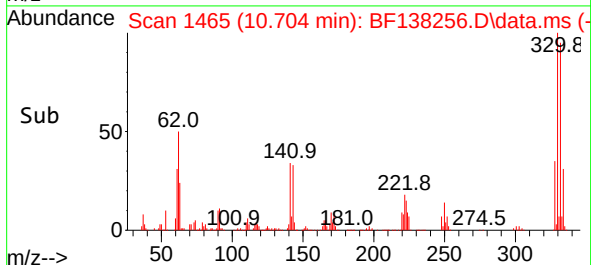
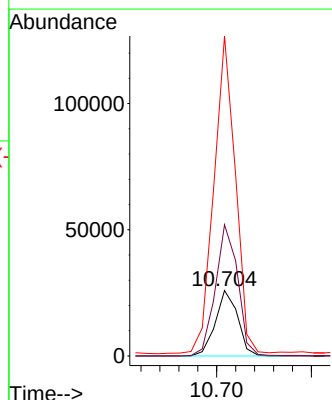
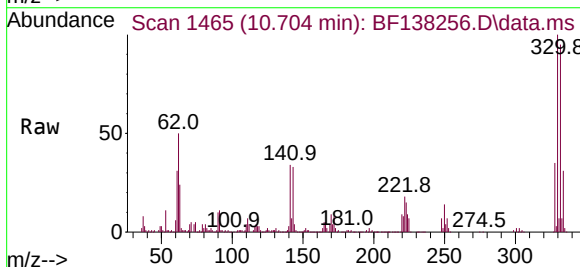
Instrument :
BNA_F
ClientSampleId :
SU-03-061824

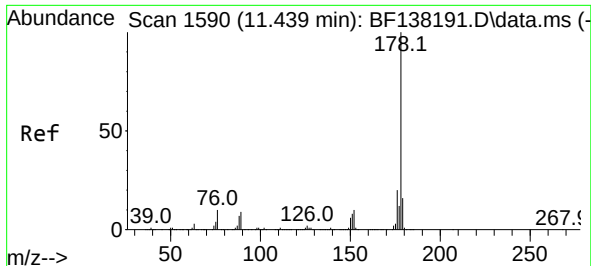
Tgt Ion:198 Resp: 61
Ion Ratio Lower Upper
198 100
51 373.0 26.9 66.9#
105 1149.4 26.0 66.0#



#67
4-Bromophenyl-phenylether
Concen: 2.581 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.259 min
Lab File: BF138256.D
Acq: 19 Jun 2024 20:28

Tgt Ion:248 Resp: 21203
Ion Ratio Lower Upper
248 100
250 200.6 77.2 115.8#
141 489.1 44.1 66.1#

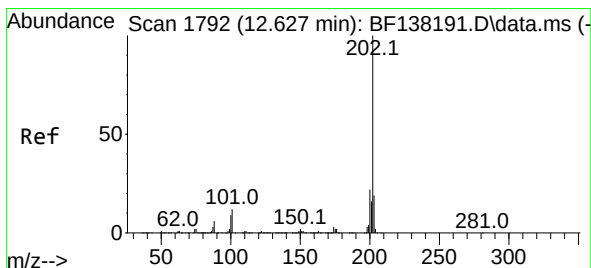
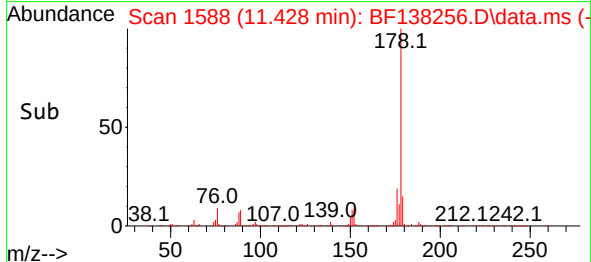
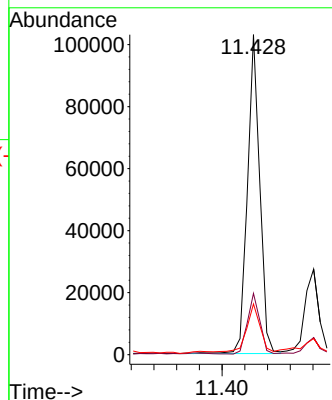
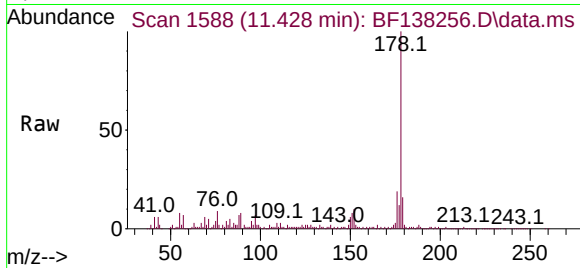




#71
Phenanthrene
Concen: 2.147 ng
RT: 11.428 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF138256.D
Acq: 19 Jun 2024 20:28

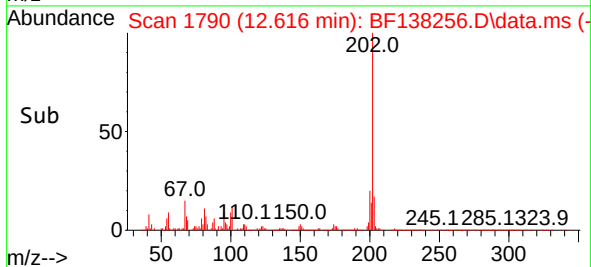
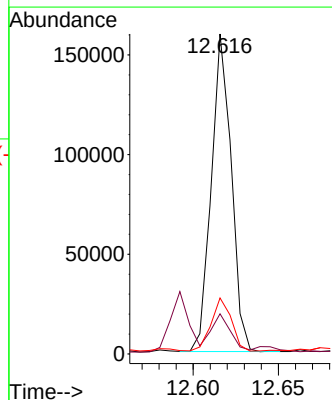
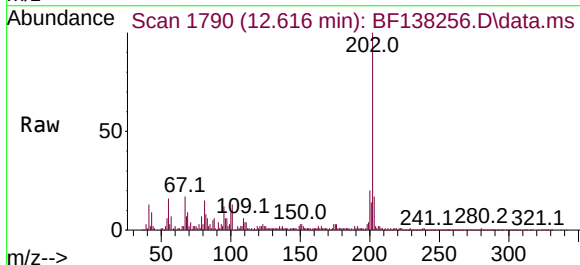
Instrument :
BNA_F
ClientSampleId :
SU-03-061824

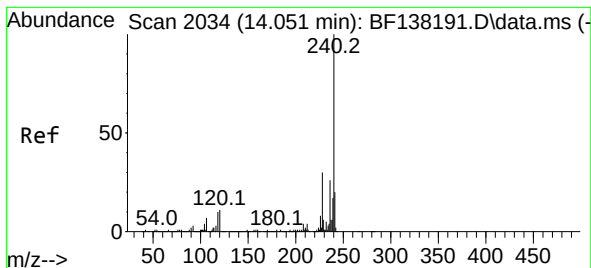
Tgt Ion:178 Resp: 77403
Ion Ratio Lower Upper
178 100
176 19.2 16.4 24.6
179 15.9 13.1 19.7



#75
Fluoranthene
Concen: 3.535 ng
RT: 12.616 min Scan# 1790
Delta R.T. -0.012 min
Lab File: BF138256.D
Acq: 19 Jun 2024 20:28

Tgt Ion:202 Resp: 129936
Ion Ratio Lower Upper
202 100
101 12.6 0.0 31.8
203 17.5 0.0 38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF138256.D

Acq: 19 Jun 2024 20:28

Instrument :

BNA_F

ClientSampleId :

SU-03-061824

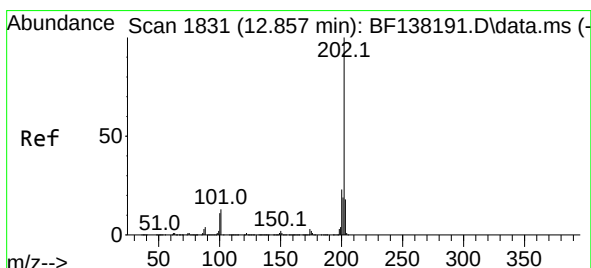
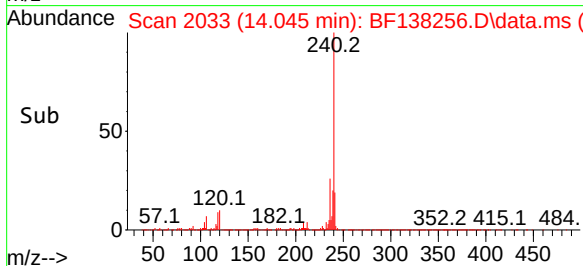
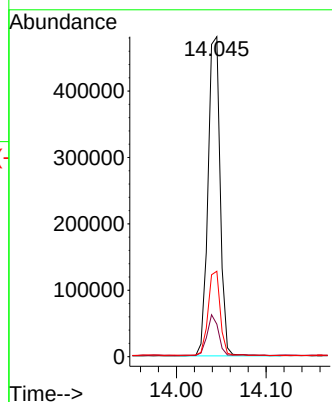
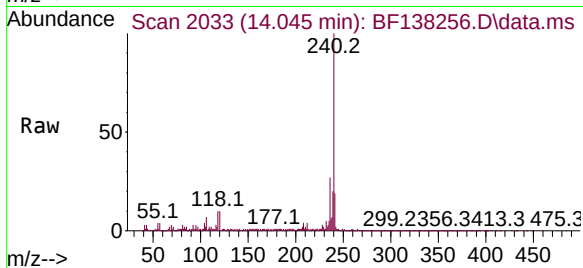
Tgt Ion:240 Resp: 451864

Ion Ratio Lower Upper

240 100

120 10.1 9.2 13.8

236 26.7 21.0 31.6



#78

Pyrene

Concen: 3.776 ng

RT: 12.845 min Scan# 1829

Delta R.T. -0.012 min

Lab File: BF138256.D

Acq: 19 Jun 2024 20:28

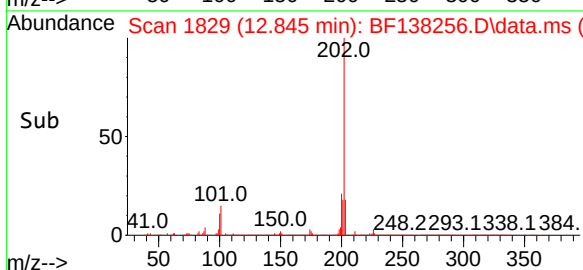
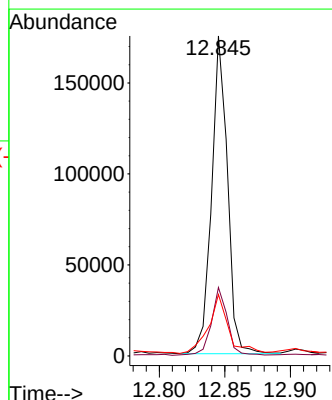
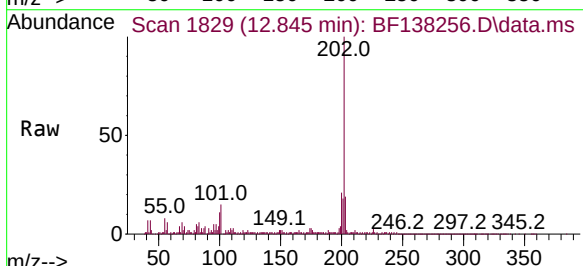
Tgt Ion:202 Resp: 147156

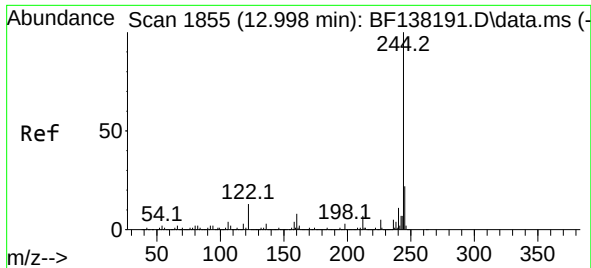
Ion Ratio Lower Upper

202 100

200 21.4 18.0 27.0

203 19.2 14.7 22.1

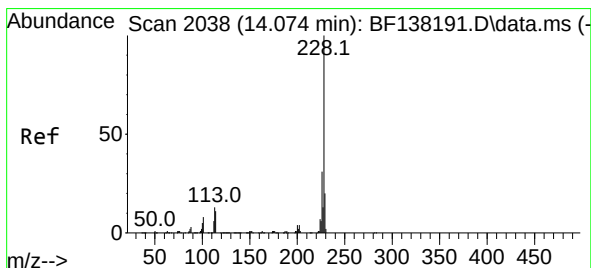
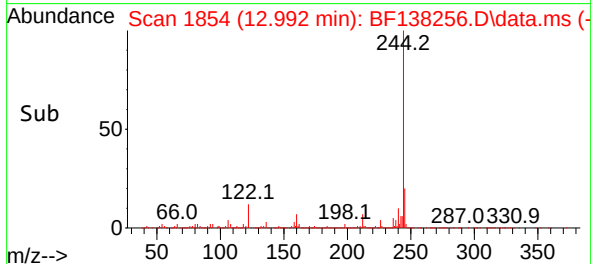
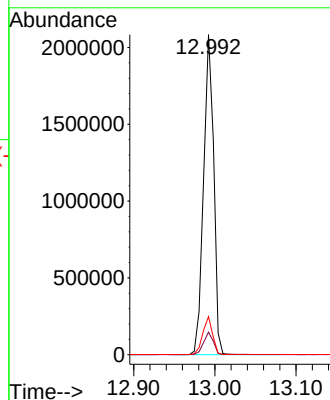
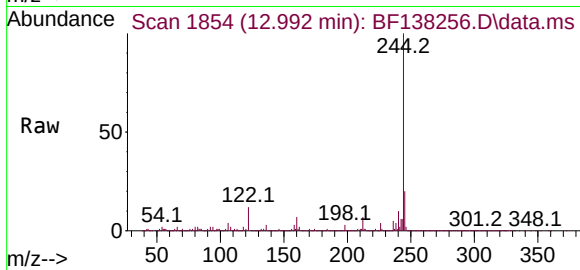




#79
 Terphenyl-d14
 Concen: 63.339 ng
 RT: 12.992 min Scan# 1854
 Delta R.T. -0.006 min
 Lab File: BF138256.D
 Acq: 19 Jun 2024 20:28

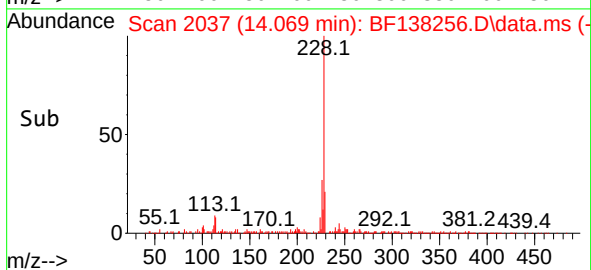
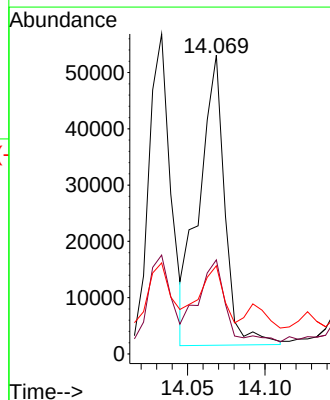
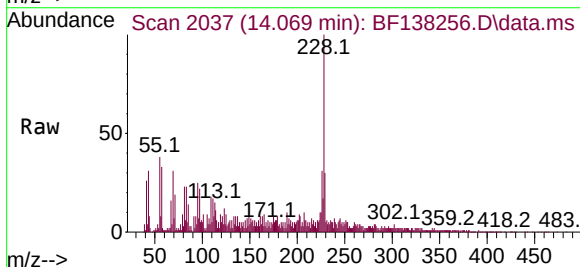
Instrument :
 BNA_F
 ClientSampleId :
 SU-03-061824

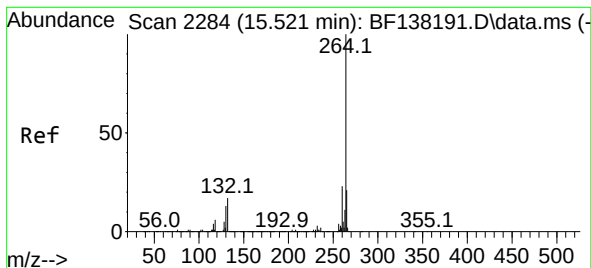
Tgt Ion:244 Resp: 1807059
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.9 8.9
 122 11.9 10.6 15.8



#83
 Chrysene
 Concen: 2.139 ng
 RT: 14.069 min Scan# 2037
 Delta R.T. -0.006 min
 Lab File: BF138256.D
 Acq: 19 Jun 2024 20:28

Tgt Ion:228 Resp: 59106
 Ion Ratio Lower Upper
 228 100
 226 31.5 24.5 36.7
 229 29.5 16.3 24.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF138256.D

Acq: 19 Jun 2024 20:28

Instrument :

BNA_F

ClientSampleId :

SU-03-061824

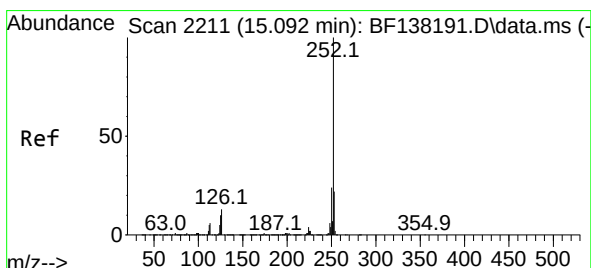
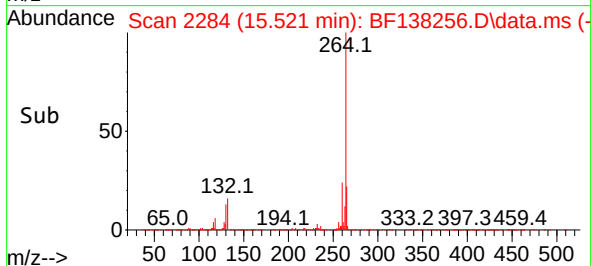
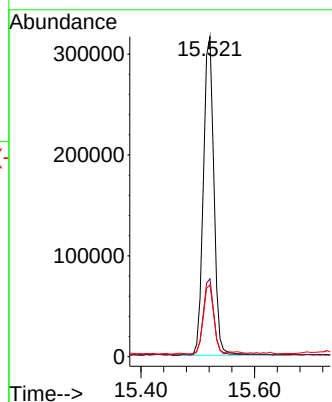
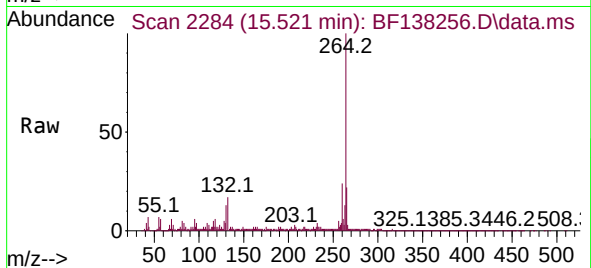
Tgt Ion:264 Resp: 408499

Ion Ratio Lower Upper

264 100

260 24.4 18.7 28.1

265 22.4 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 2.898 ng

RT: 15.080 min Scan# 2209

Delta R.T. -0.012 min

Lab File: BF138256.D

Acq: 19 Jun 2024 20:28

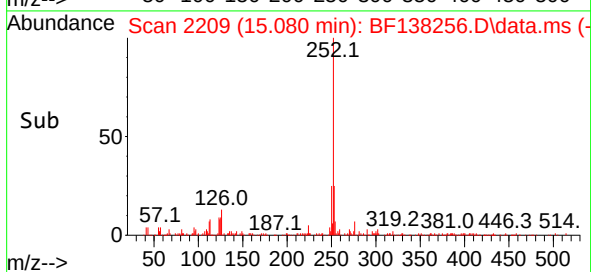
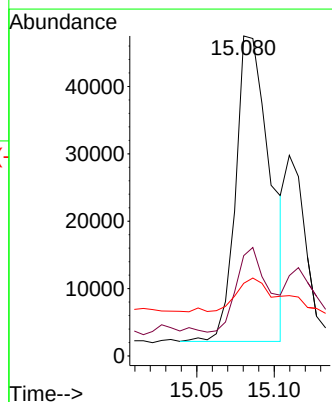
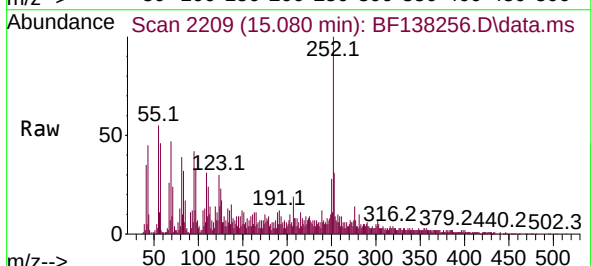
Tgt Ion:252 Resp: 69809

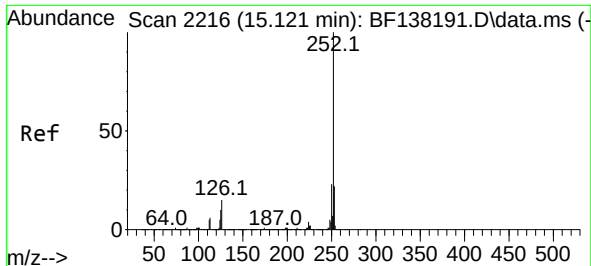
Ion Ratio Lower Upper

252 100

253 31.4 17.7 26.5#

125 22.7 7.8 11.8#

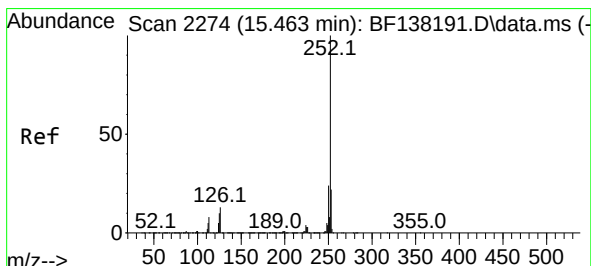
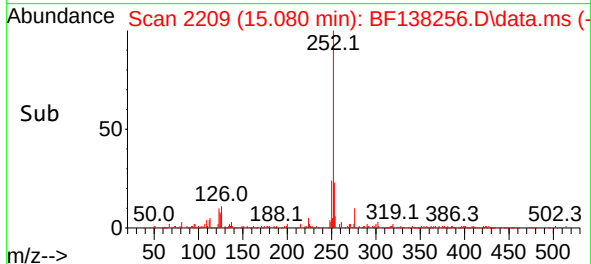
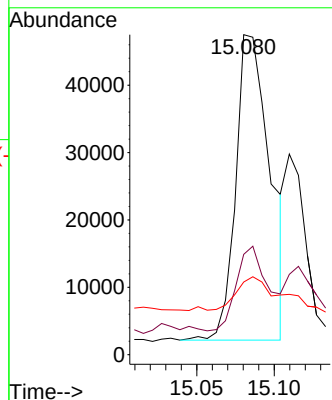
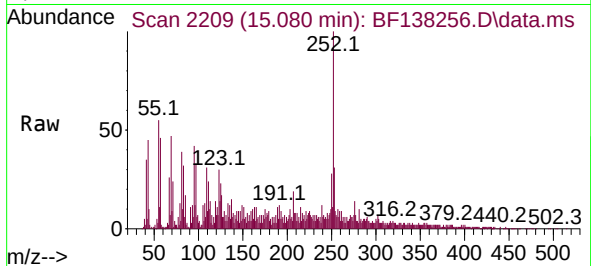




#89
Benzo(k)fluoranthene
Concen: 2.957 ng
RT: 15.080 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF138256.D
Acq: 19 Jun 2024 20:28

Instrument :
BNA_F
ClientSampleId :
SU-03-061824

Tgt Ion:252 Resp: 69809
Ion Ratio Lower Upper
252 100
253 31.4 17.8 26.8#
125 22.7 8.0 12.0#



#90
Benzo(a)pyrene
Concen: 2.280 ng
RT: 15.451 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF138256.D
Acq: 19 Jun 2024 20:28

Tgt Ion:252 Resp: 47184
Ion Ratio Lower Upper
252 100
253 31.1 17.7 26.5#
125 26.7 8.2 12.2#

