

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062724\
 Data File : BF138379.D
 Acq On : 27 Jun 2024 21:38
 Operator : CG\JU
 Sample : P3077-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1-S-1

Quant Time: Jun 28 01:14:46 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)

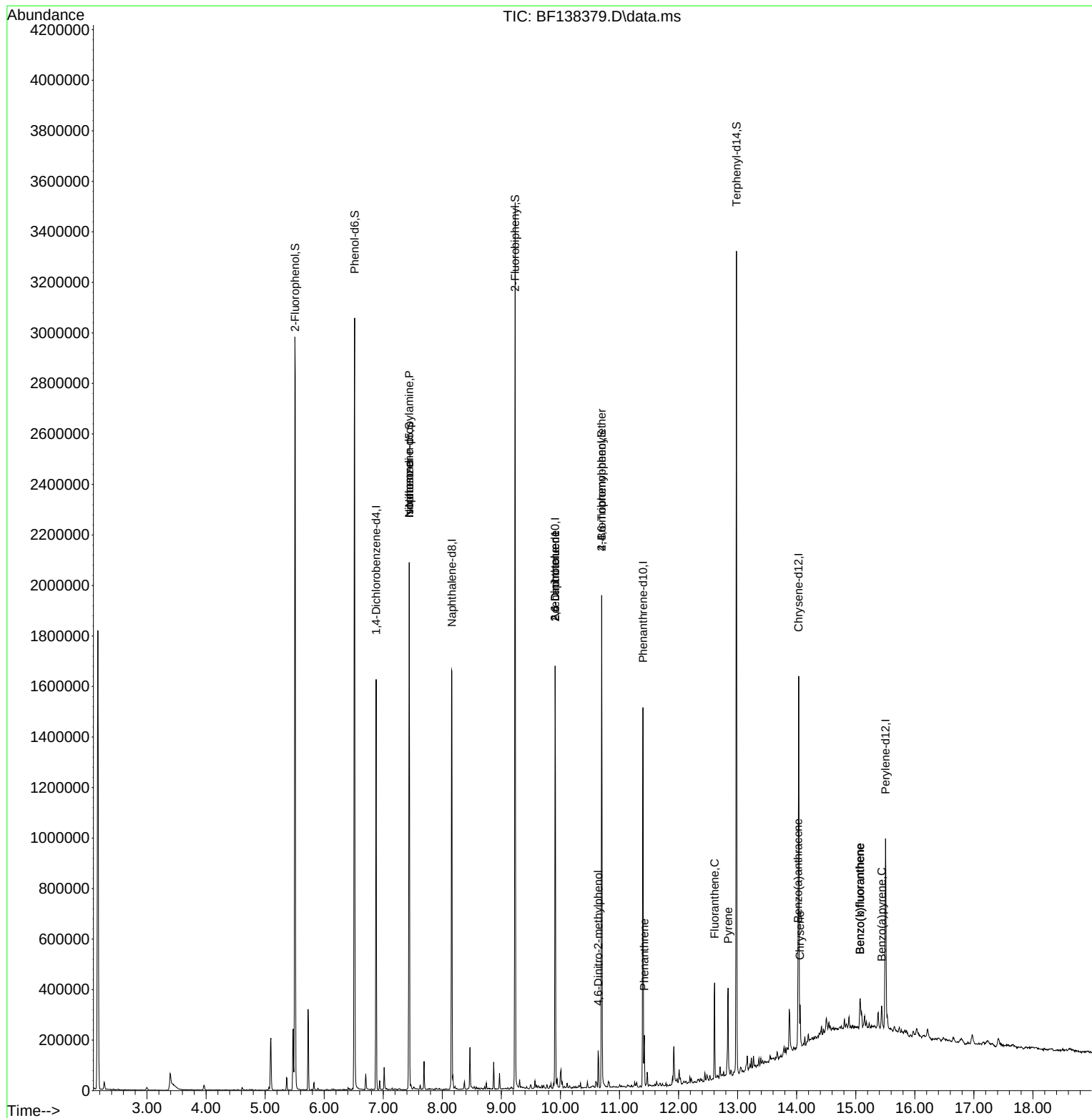
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	217450	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	763576	20.000	ng	#-0.01
39) Acenaphthene-d10	9.910	164	327949	20.000	ng	-0.02
64) Phenanthrene-d10	11.398	188	502779	20.000	ng	-0.02
76) Chrysene-d12	14.033	240	445492	20.000	ng	-0.02
86) Perylene-d12	15.504	264	342388	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	891160	68.556	ng	0.00
7) Phenol-d6	6.516	99	1056027	64.067	ng	0.00
23) Nitrobenzene-d5	7.439	82	631836	48.172	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	213980	65.541	ng	-0.02
45) 2-Fluorobiphenyl	9.233	172	981679	47.599	ng	-0.02
79) Terphenyl-d14	12.980	244	1038035	36.905	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	82865	8.481	ng	# 76
25) Isophorone	7.439	82	628665	26.499	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	43646	10.012	ng	# 25
57) 2,4-Dinitrotoluene	9.910	165	43646	8.118	ng	# 31
65) 4,6-Dinitro-2-methylph...	10.639	198	155	6.986	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	13153	2.322	ng	# 1
71) Phenanthrene	11.422	178	70076	2.818	ng	96
75) Fluoranthene	12.610	202	147112	5.802	ng	97
78) Pyrene	12.839	202	143687	3.739	ng	96
81) Benzo(a)anthracene	14.021	228	71831	2.513	ng	98
83) Chrysene	14.057	228	61850	2.270	ng	97
88) Benzo(b)fluoranthene	15.074	252	85248	4.222	ng	# 93
89) Benzo(k)fluoranthene	15.074	252	85248	4.308	ng	# 93
90) Benzo(a)pyrene	15.439	252	42881	2.472	ng	# 93

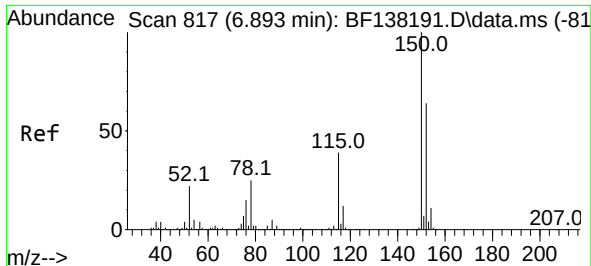
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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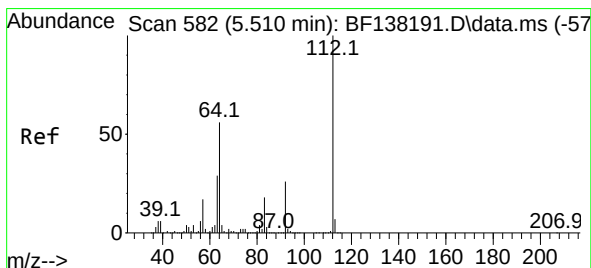
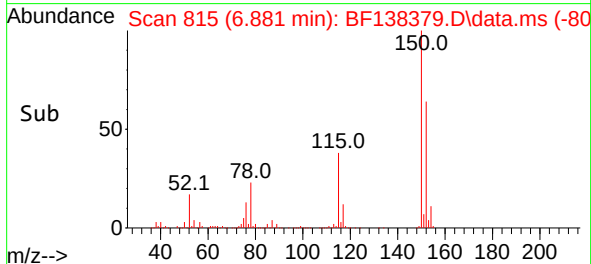
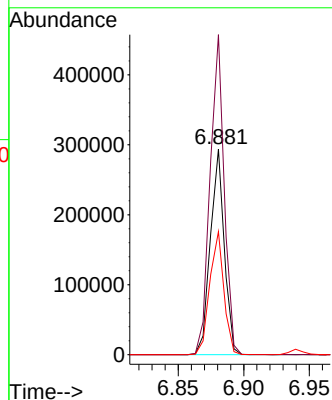
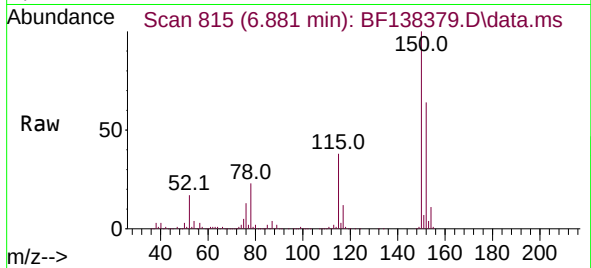




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 817
Delta R.T. -0.012 min
Lab File: BF138379.D
Acq: 27 Jun 2024 21:38

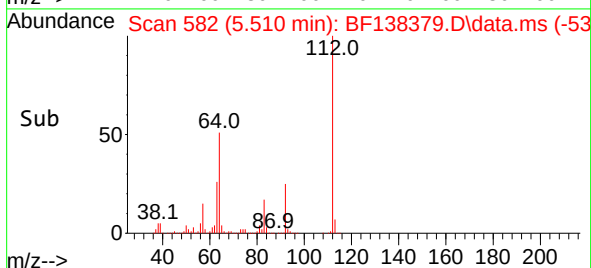
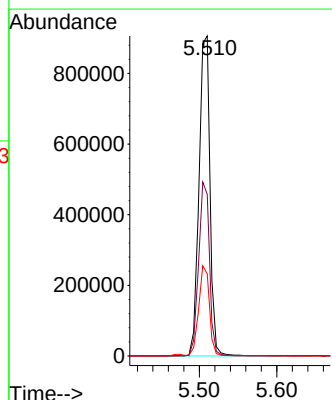
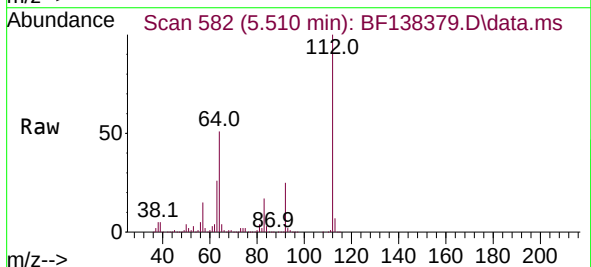
Instrument :
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1-S-1

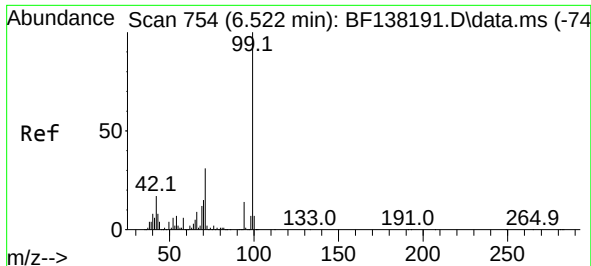
Tgt Ion:152 Resp: 217450
Ion Ratio Lower Upper
152 100
150 155.6 125.0 187.4
115 59.9 48.4 72.6



#5
2-Fluorophenol
Concen: 68.556 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.000 min
Lab File: BF138379.D
Acq: 27 Jun 2024 21:38

Tgt Ion:112 Resp: 891160
Ion Ratio Lower Upper
112 100
64 50.5 45.2 67.8
63 25.7 22.9 34.3

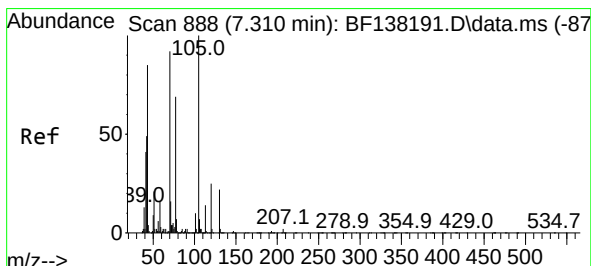
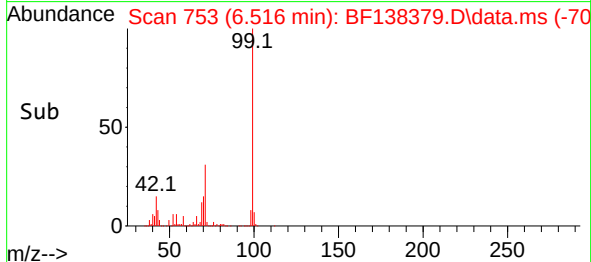
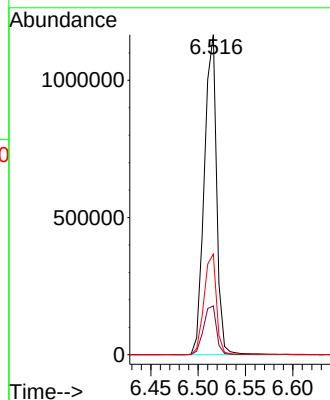
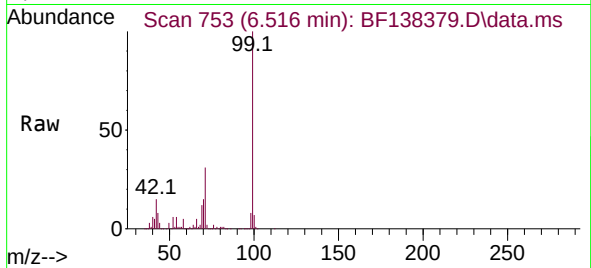




#7
Phenol-d6
Concen: 64.067 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138379.D
Acq: 27 Jun 2024 21:38

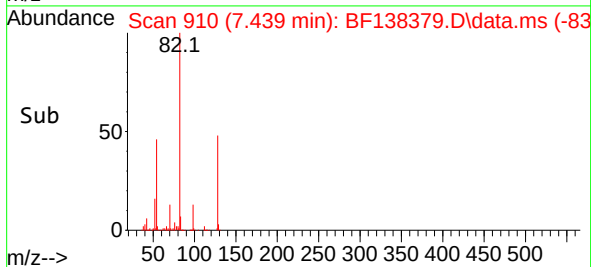
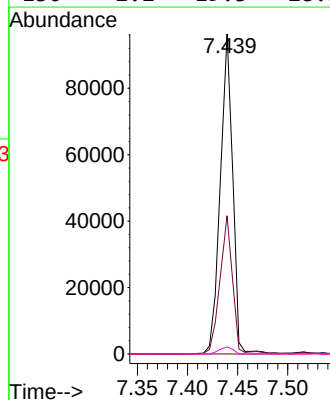
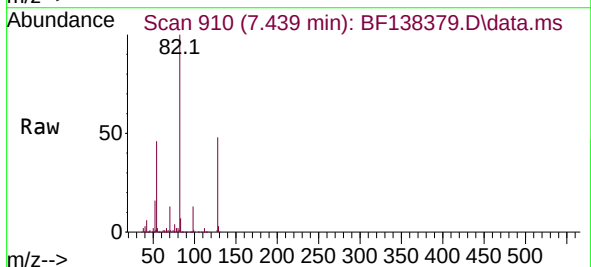
Instrument :
BNA_F
ClientSampleId :
1-S-1

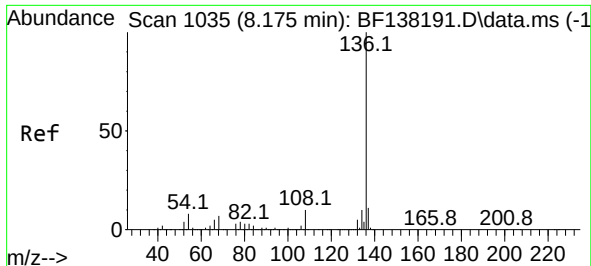
Tgt Ion: 99 Resp: 1056027
Ion Ratio Lower Upper
99 100
42 15.2 13.7 20.5
71 31.5 25.0 37.6



#19
n-Nitroso-di-n-propylamine
Concen: 8.481 ng
RT: 7.439 min Scan# 910
Delta R.T. 0.129 min
Lab File: BF138379.D
Acq: 27 Jun 2024 21:38

Tgt Ion: 70 Resp: 82865
Ion Ratio Lower Upper
70 100
42 43.2 42.8 64.2
101 0.0 8.4 12.6#
130 2.2 19.3 28.9#

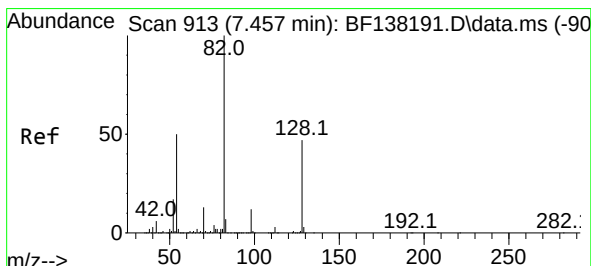
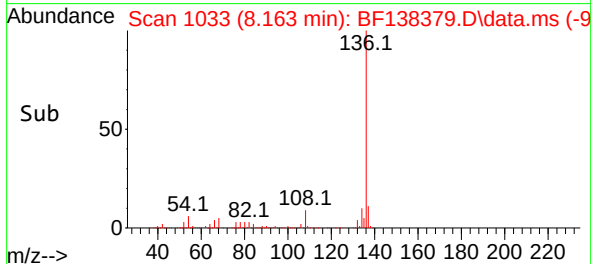
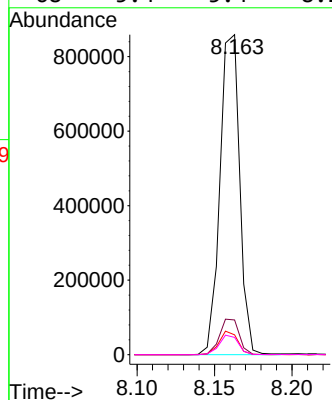
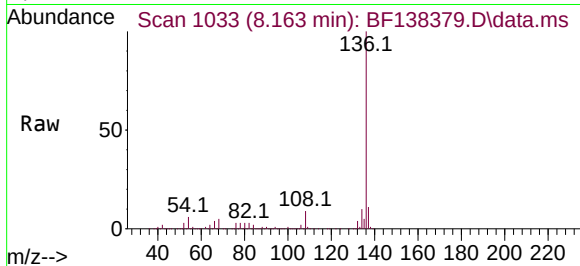




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF138379.D
Acq: 27 Jun 2024 21:38

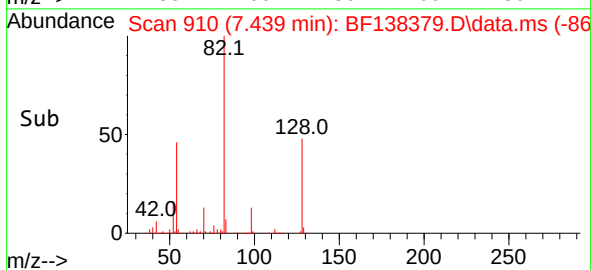
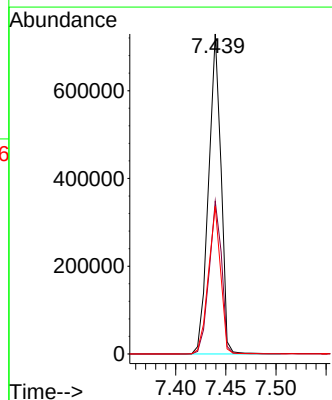
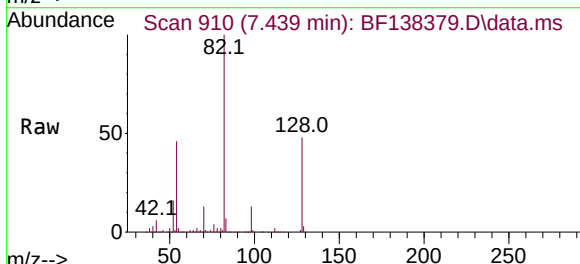
Instrument :
BNA_F
ClientSampleId :
1-S-1

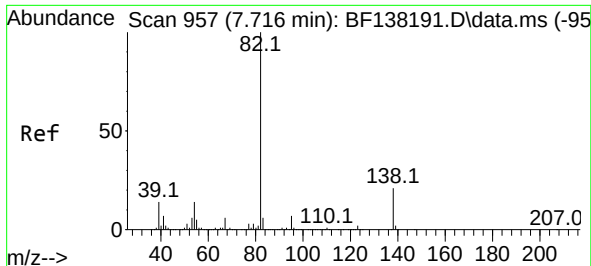
Tgt Ion:	136	Resp:	763576
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	6.2	6.6	10.0#
68	5.4	5.4	8.2#



#23
Nitrobenzene-d5
Concen: 48.172 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.018 min
Lab File: BF138379.D
Acq: 27 Jun 2024 21:38

Tgt Ion:	82	Resp:	631836
Ion	Ratio	Lower	Upper
82	100		
128	47.8	37.2	55.8
54	46.1	39.8	59.6

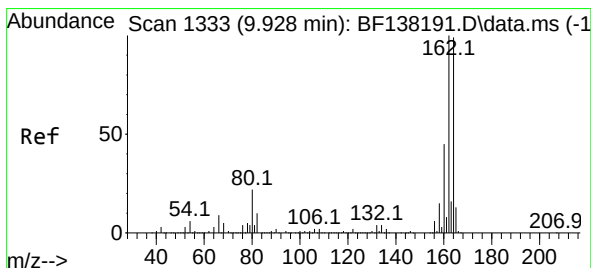
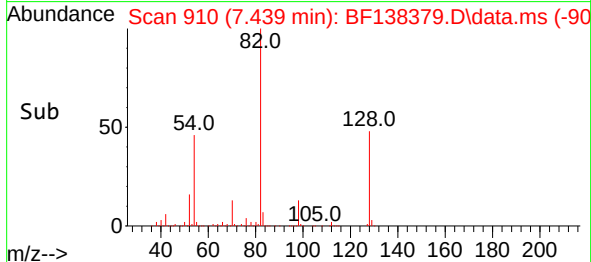
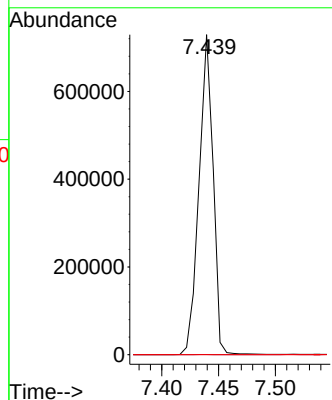
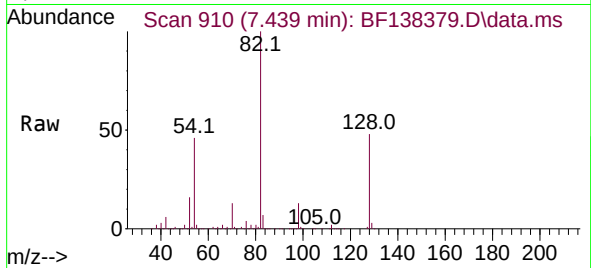




#25
Isophorone
Concen: 26.499 ng
RT: 7.439 min Scan# 91
Delta R.T. -0.277 min
Lab File: BF138379.D
Acq: 27 Jun 2024 21:38

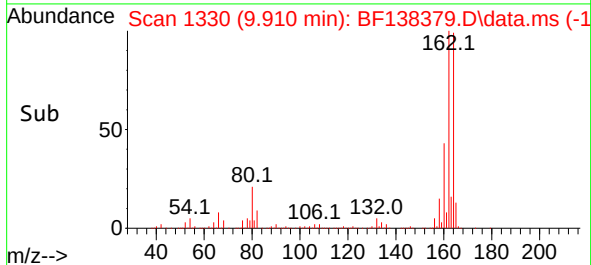
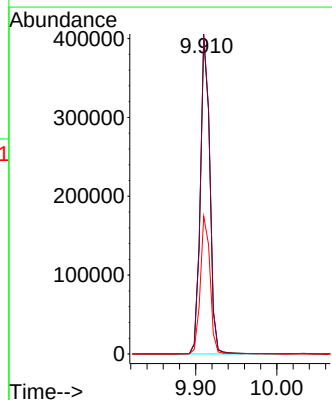
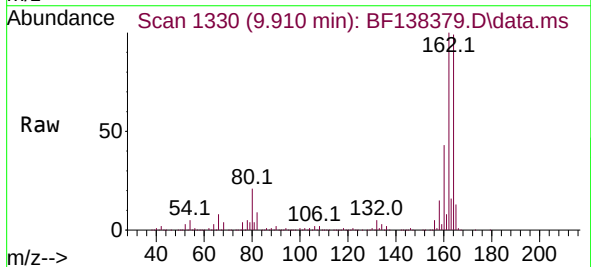
Instrument :
BNA_F
ClientSampleId :
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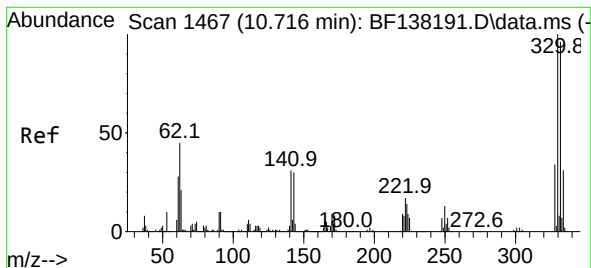
Tgt Ion: 82 Resp: 628665
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 16.4 24.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.018 min
Lab File: BF138379.D
Acq: 27 Jun 2024 21:38

Tgt Ion: 164 Resp: 327949
Ion Ratio Lower Upper
164 100
162 101.2 80.6 121.0
160 43.5 36.3 54.5

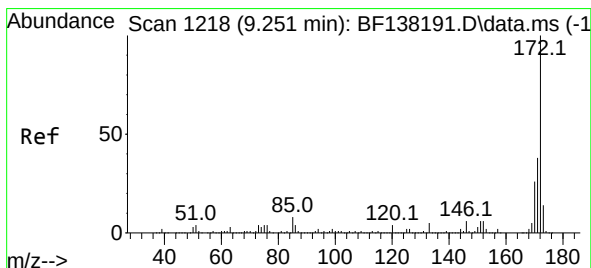
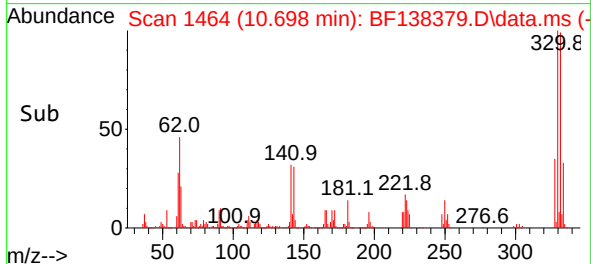
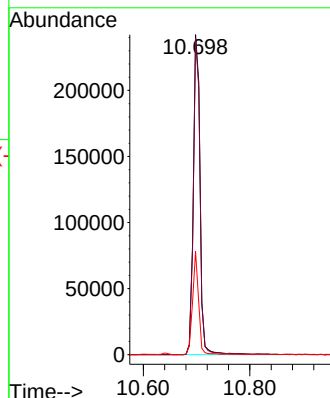
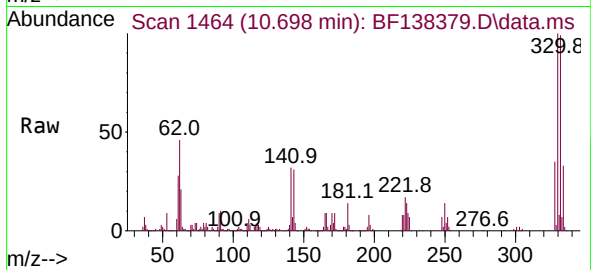




#42
2,4,6-Tribromophenol
Concen: 65.541 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.018 min
Lab File: BF138379.D
Acq: 27 Jun 2024 21:38

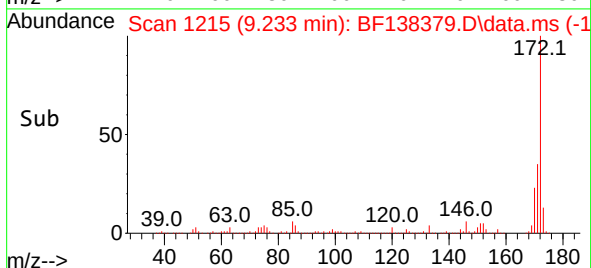
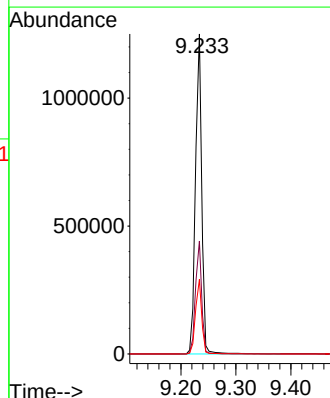
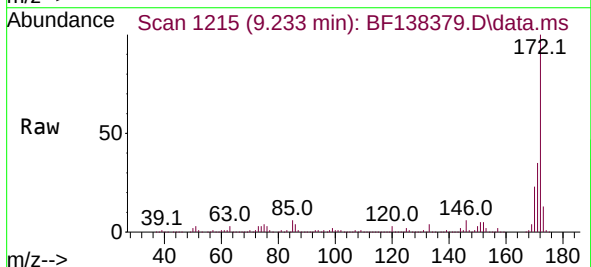
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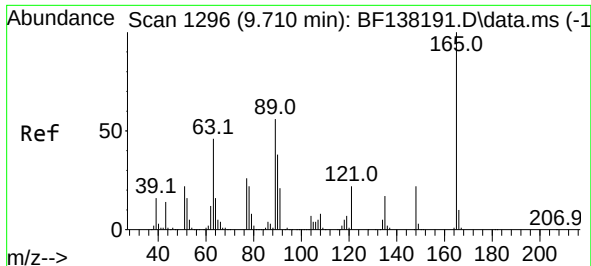
Tgt Ion: 330 Resp: 213980
Ion Ratio Lower Upper
330 100
332 97.1 76.6 115.0
141 29.1 23.9 35.9



#45
2-Fluorobiphenyl
Concen: 47.599 ng
RT: 9.233 min Scan# 1215
Delta R.T. -0.018 min
Lab File: BF138379.D
Acq: 27 Jun 2024 21:38

Tgt Ion: 172 Resp: 981679
Ion Ratio Lower Upper
172 100
171 35.3 30.3 45.5
170 23.3 20.6 30.8

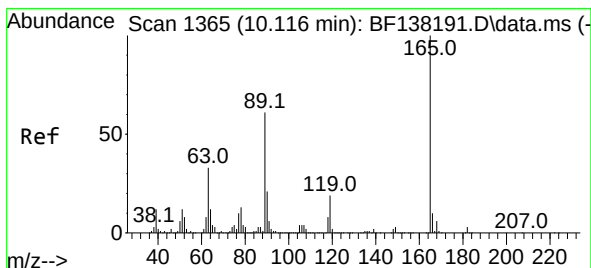
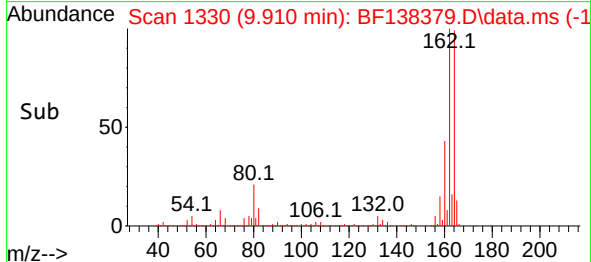
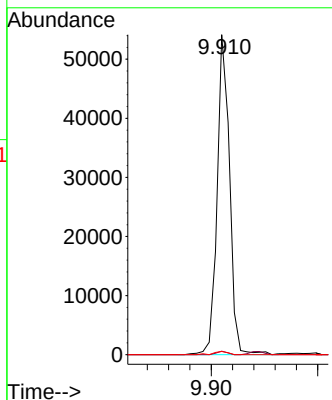
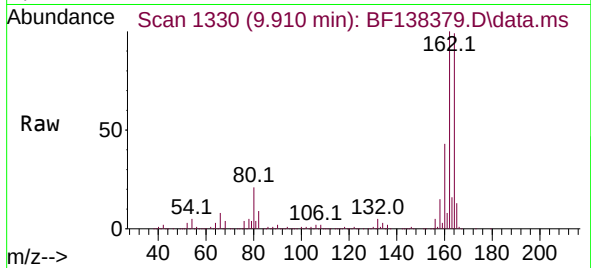




#51
2,6-Dinitrotoluene
Concen: 10.012 ng
RT: 9.910 min Scan# 1330
Delta R.T. 0.200 min
Lab File: BF138379.D
Acq: 27 Jun 2024 21:38

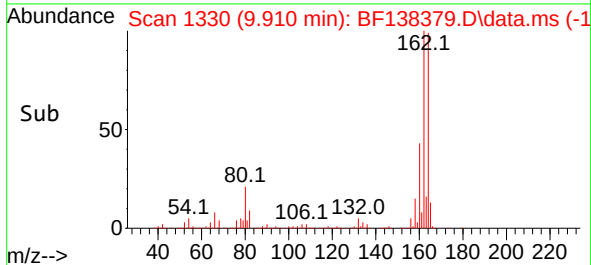
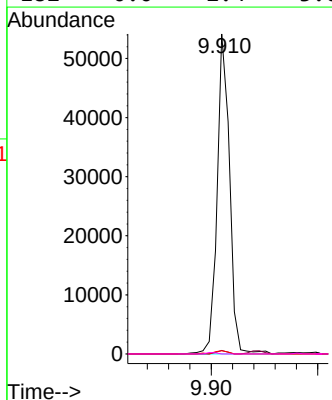
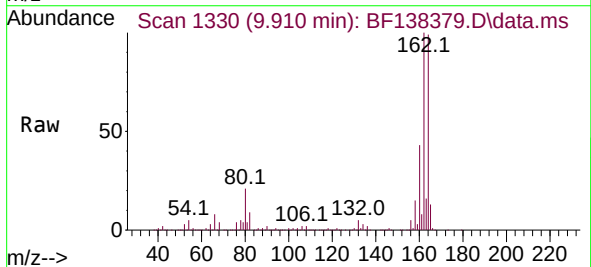
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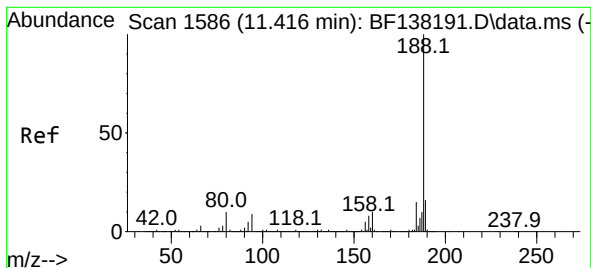
Tgt Ion:165 Resp: 43646
Ion Ratio Lower Upper
165 100
63 1.1 43.7 65.5#
89 1.0 44.9 67.3#



#57
2,4-Dinitrotoluene
Concen: 8.118 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.206 min
Lab File: BF138379.D
Acq: 27 Jun 2024 21:38

Tgt Ion:165 Resp: 43646
Ion Ratio Lower Upper
165 100
63 1.1 26.6 39.8#
89 1.0 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: BF138379.D

Acq: 27 Jun 2024 21:38

Instrument :

BNA_F

ClientSampleId :

1-S-1

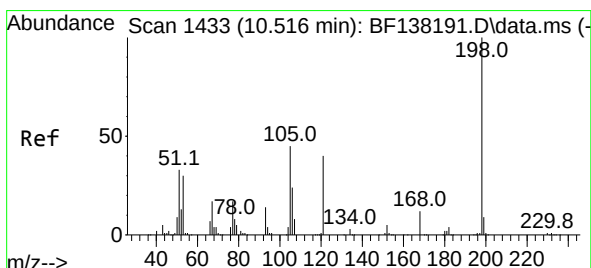
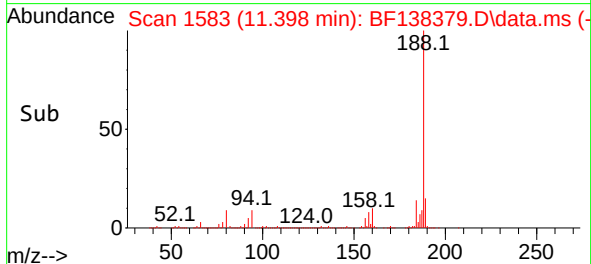
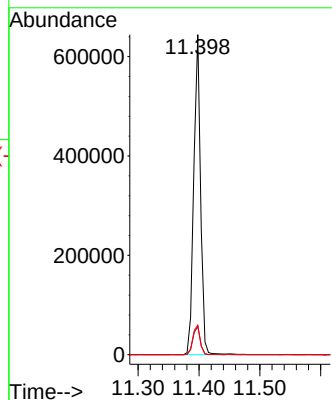
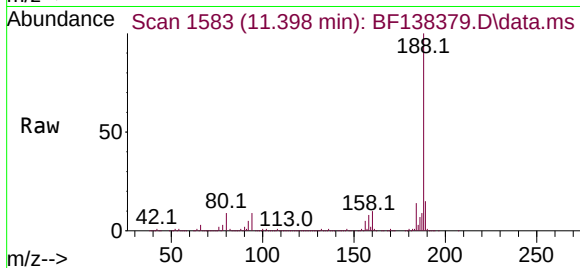
Tgt Ion:188 Resp: 502779

Ion Ratio Lower Upper

188 100

94 8.8 7.6 11.4

80 9.2 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 6.986 ng

RT: 10.639 min Scan# 1454

Delta R.T. 0.123 min

Lab File: BF138379.D

Acq: 27 Jun 2024 21:38

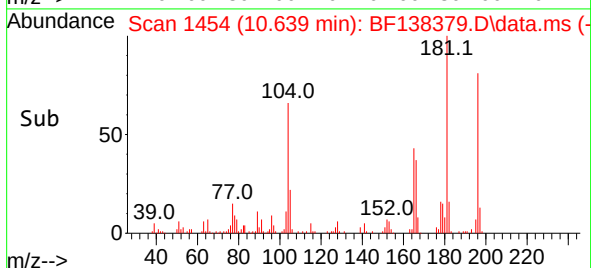
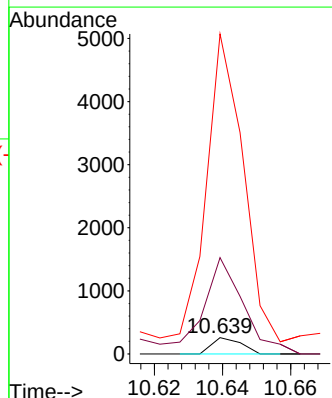
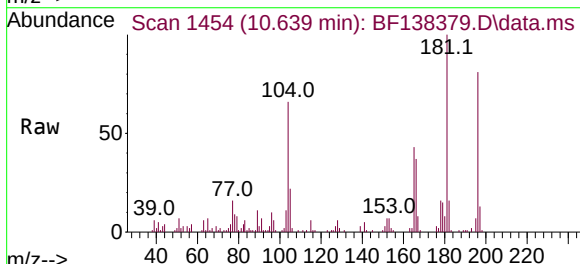
Tgt Ion:198 Resp: 155

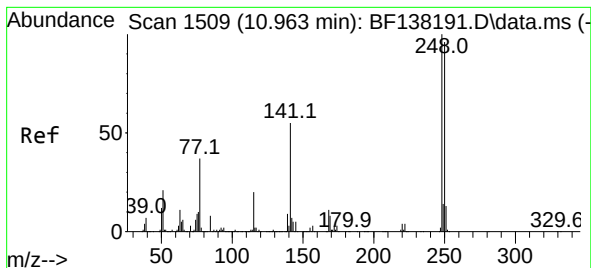
Ion Ratio Lower Upper

198 100

51 591.9 26.9 66.9#

105 1965.9 26.0 66.0#

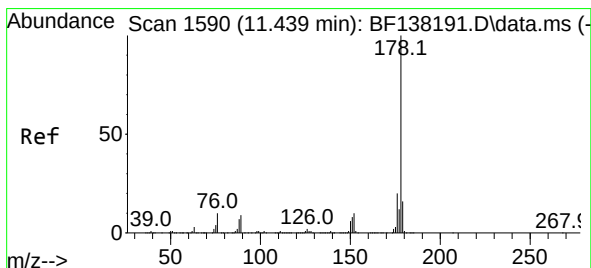
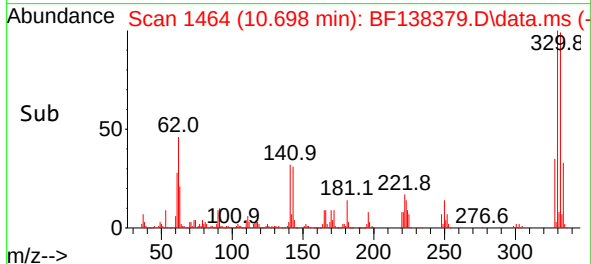
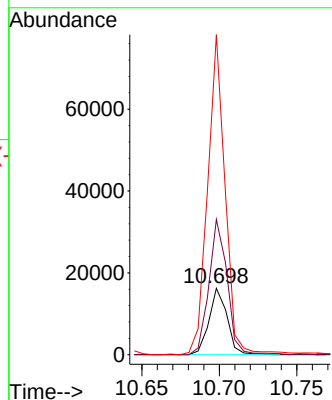
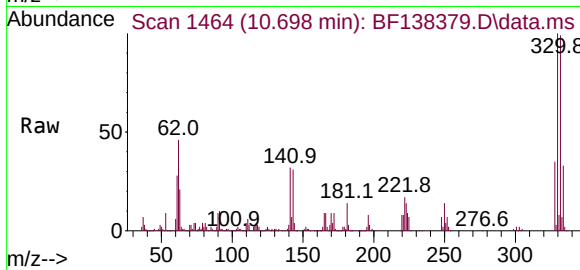




#67
4-Bromophenyl-phenylether
Concen: 2.322 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.265 min
Lab File: BF138379.D
Acq: 27 Jun 2024 21:38

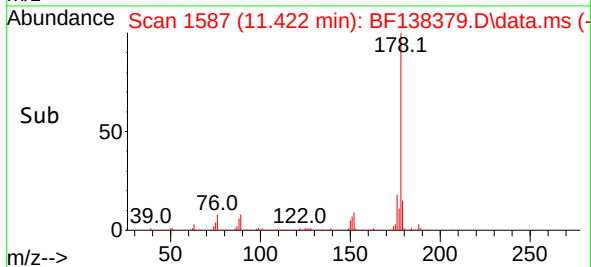
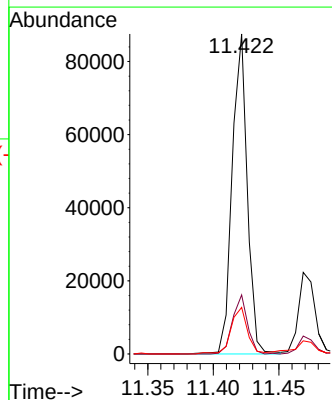
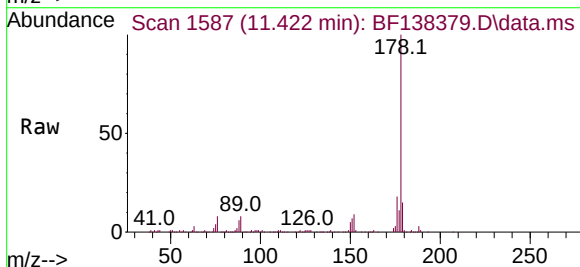
Instrument :
BNA_F
ClientSampleId :
1-S-1

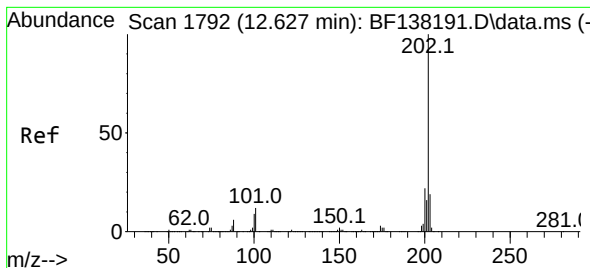
Tgt Ion:	248	Resp:	13153
Ion Ratio	Lower	Upper	
248	100		
250	203.7	77.2	115.8#
141	482.3	44.1	66.1#



#71
Phenanthrene
Concen: 2.818 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.018 min
Lab File: BF138379.D
Acq: 27 Jun 2024 21:38

Tgt Ion:	178	Resp:	70076
Ion Ratio	Lower	Upper	
178	100		
176	18.5	16.4	24.6
179	14.5	13.1	19.7





#75

Fluoranthene

Concen: 5.802 ng

RT: 12.610 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF138379.D

Acq: 27 Jun 2024 21:38

Instrument :

BNA_F

ClientSampleId :

1-S-1

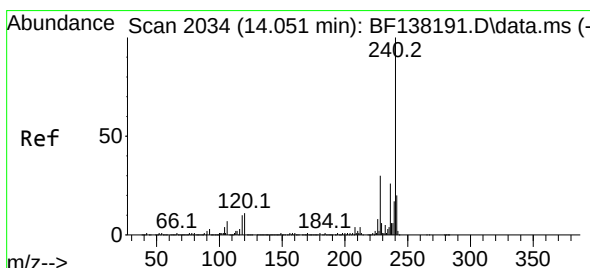
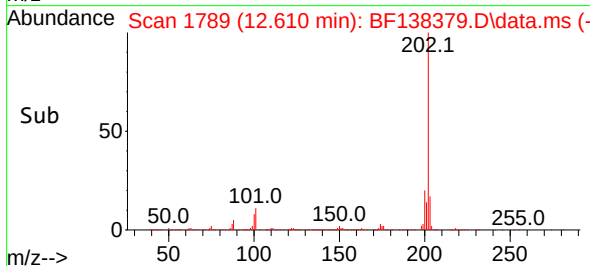
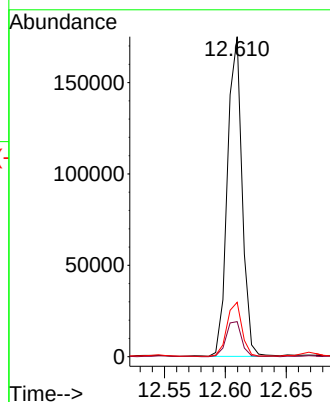
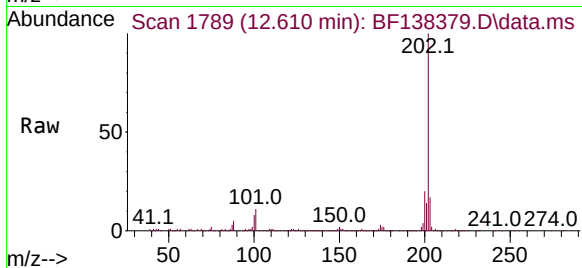
Tgt Ion:202 Resp: 147112

Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.8

203 17.0 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: BF138379.D

Acq: 27 Jun 2024 21:38

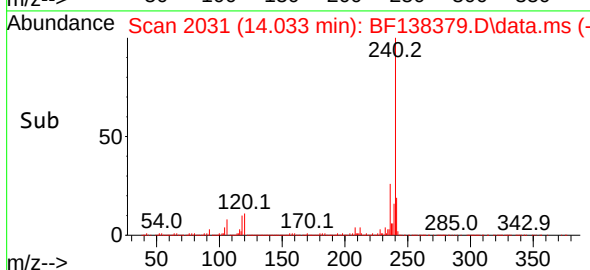
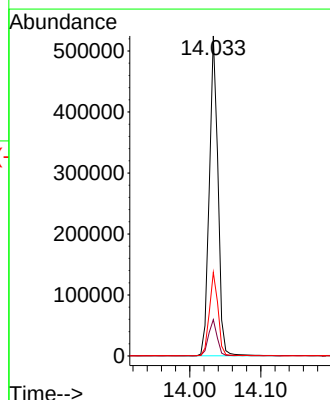
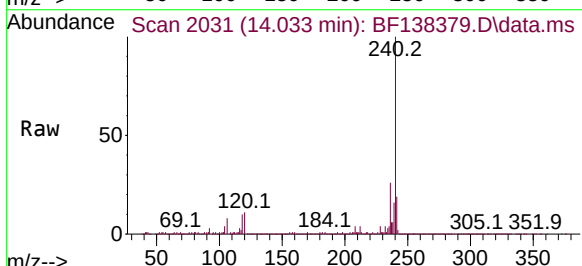
Tgt Ion:240 Resp: 445492

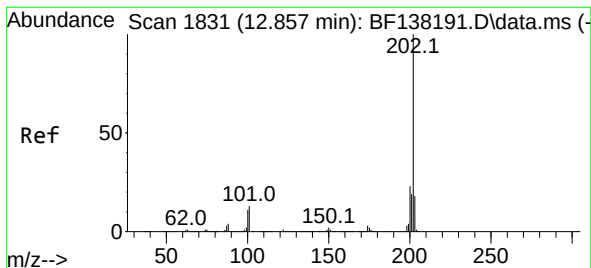
Ion Ratio Lower Upper

240 100

120 11.3 9.2 13.8

236 26.1 21.0 31.6





#78

Pyrene

Concen: 3.739 ng

RT: 12.839 min Scan# 1828

Delta R.T. -0.018 min

Lab File: BF138379.D

Acq: 27 Jun 2024 21:38

Instrument :

BNA_F

ClientSampleId :

1-S-1

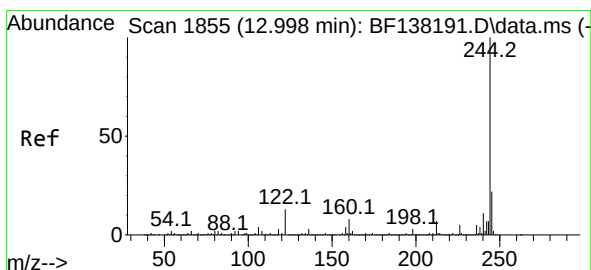
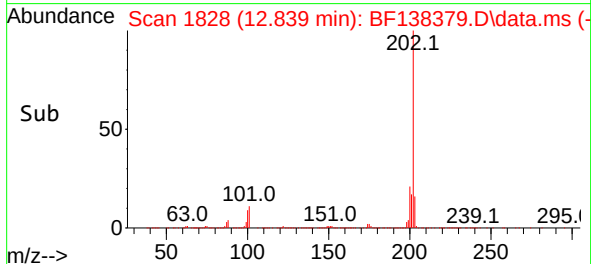
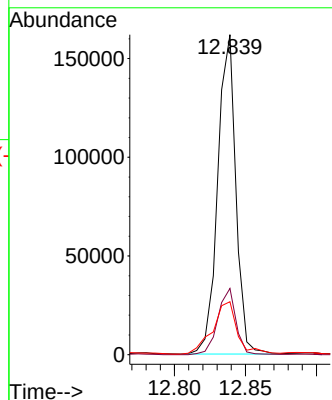
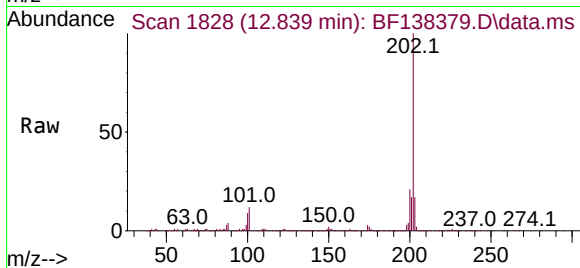
Tgt Ion:202 Resp: 143687

Ion Ratio Lower Upper

202 100

200 20.7 18.0 27.0

203 16.6 14.7 22.1



#79

Terphenyl-d14

Concen: 36.905 ng

RT: 12.980 min Scan# 1852

Delta R.T. -0.018 min

Lab File: BF138379.D

Acq: 27 Jun 2024 21:38

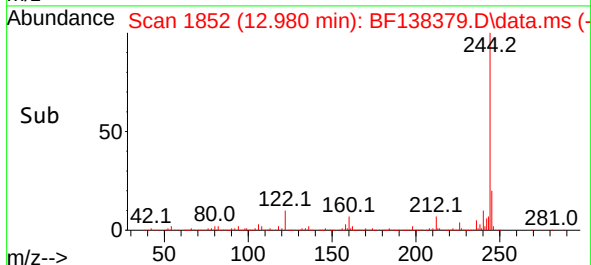
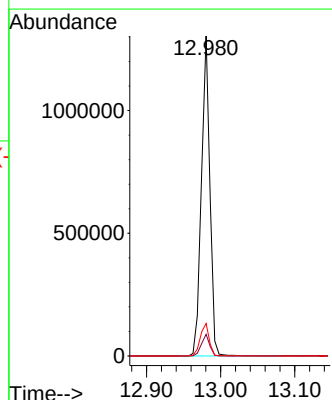
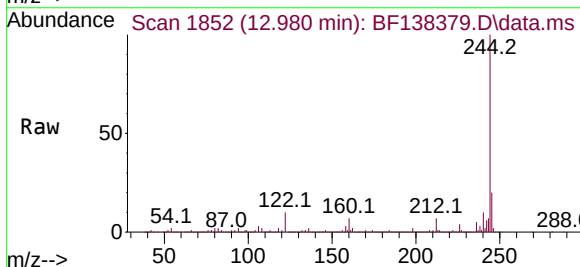
Tgt Ion:244 Resp: 1038035

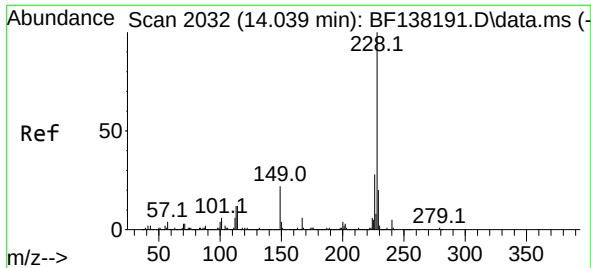
Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

122 10.2 10.6 15.8#

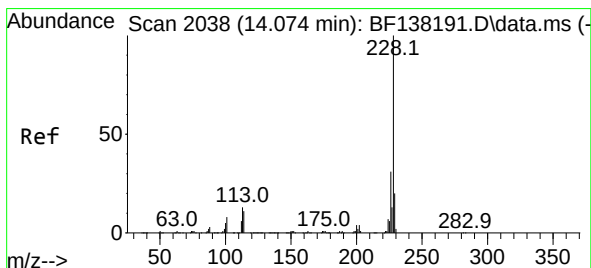
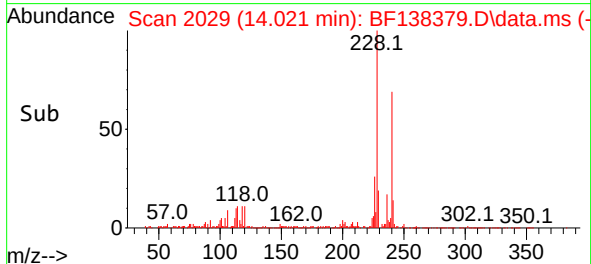
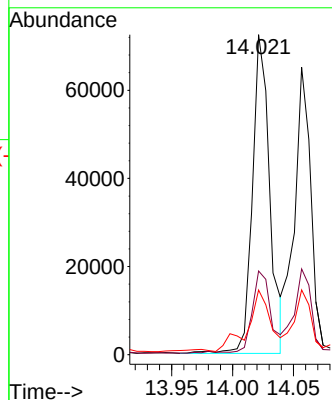
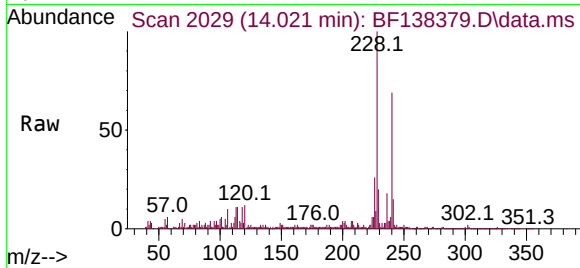




#81
Benzo(a)anthracene
Concen: 2.513 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.018 min
Lab File: BF138379.D
Acq: 27 Jun 2024 21:38

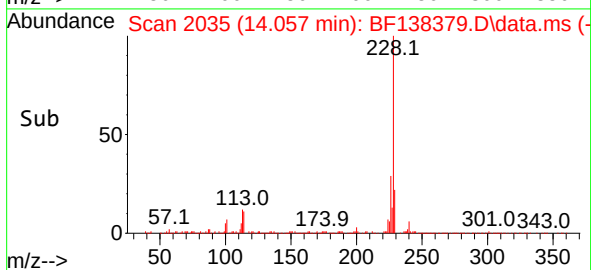
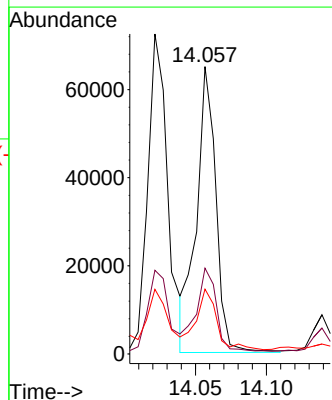
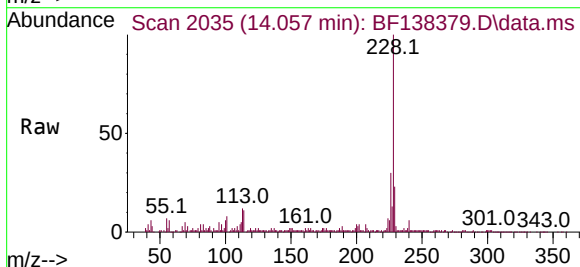
Instrument :
BNA_F
ClientSampleId :
1-S-1

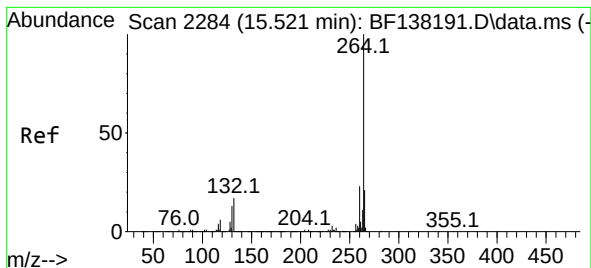
Tgt Ion:228 Resp: 71831
Ion Ratio Lower Upper
228 100
226 26.2 22.5 33.7
229 20.2 16.3 24.5



#83
Chrysene
Concen: 2.270 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.018 min
Lab File: BF138379.D
Acq: 27 Jun 2024 21:38

Tgt Ion:228 Resp: 61850
Ion Ratio Lower Upper
228 100
226 29.8 24.5 36.7
229 22.5 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF138379.D

Acq: 27 Jun 2024 21:38

Instrument :

BNA_F

ClientSampleId :

1-S-1

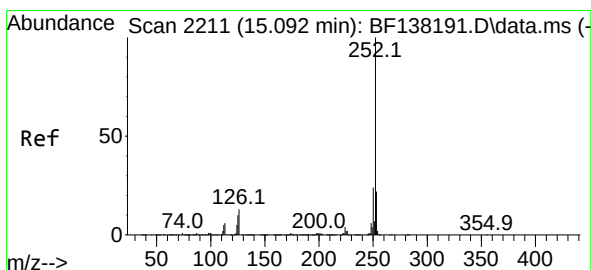
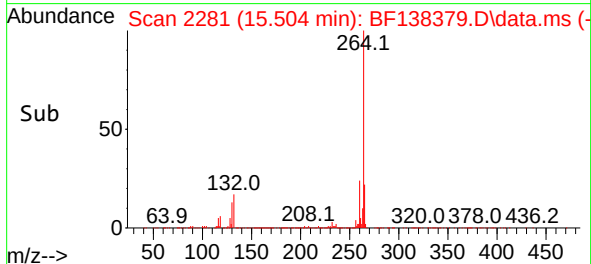
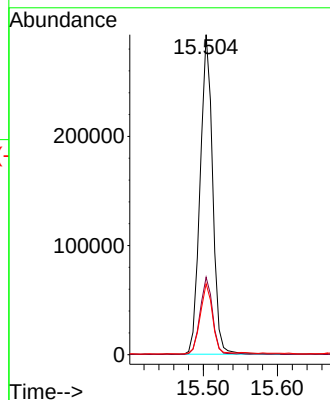
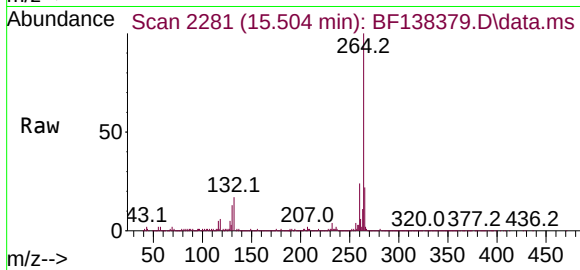
Tgt Ion:264 Resp: 342388

Ion Ratio Lower Upper

264 100

260 24.2 18.7 28.1

265 22.2 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 4.222 ng

RT: 15.074 min Scan# 2208

Delta R.T. -0.018 min

Lab File: BF138379.D

Acq: 27 Jun 2024 21:38

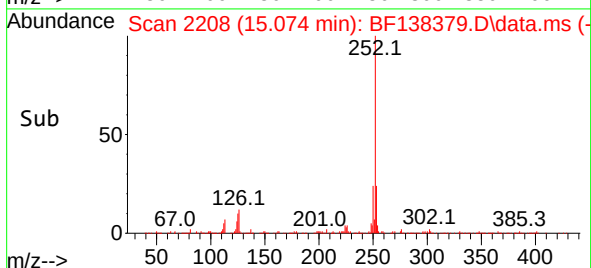
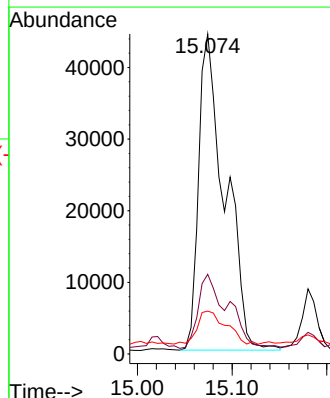
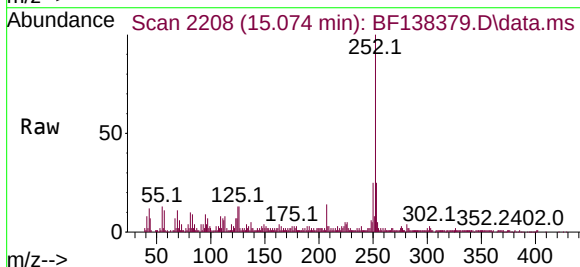
Tgt Ion:252 Resp: 85248

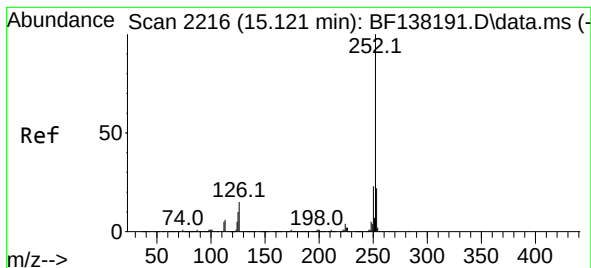
Ion Ratio Lower Upper

252 100

253 24.9 17.7 26.5

125 13.4 7.8 11.8#





#89

Benzo(k)fluoranthene

Concen: 4.308 ng

RT: 15.074 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF138379.D

Acq: 27 Jun 2024 21:38

Instrument :

BNA_F

ClientSampleId :

1-S-1

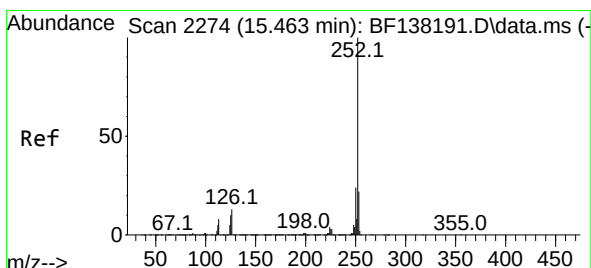
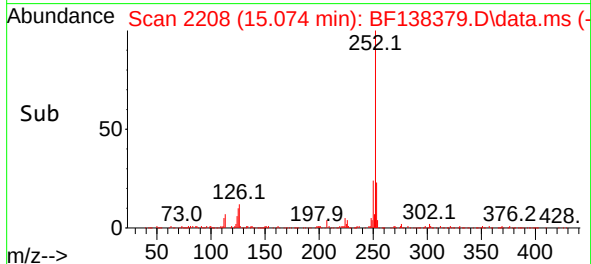
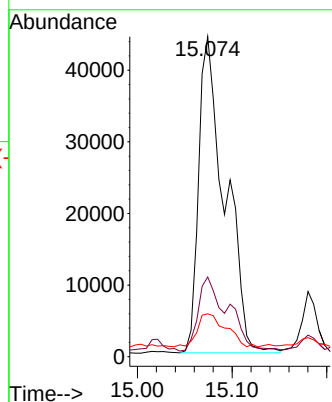
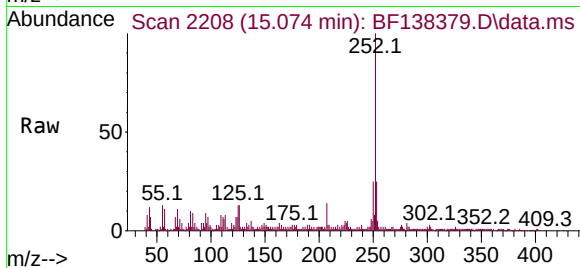
Tgt Ion:252 Resp: 85248

Ion Ratio Lower Upper

252 100

253 24.9 17.8 26.8

125 13.4 8.0 12.0#



#90

Benzo(a)pyrene

Concen: 2.472 ng

RT: 15.439 min Scan# 2270

Delta R.T. -0.024 min

Lab File: BF138379.D

Acq: 27 Jun 2024 21:38

Tgt Ion:252 Resp: 42881

Ion Ratio Lower Upper

252 100

253 24.2 17.7 26.5

125 14.5 8.2 12.2#

