

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062724\
 Data File : BF138365.D
 Acq On : 27 Jun 2024 14:35
 Operator : CG\JU
 Sample : P3076-10
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 7-S-1

Quant Time: Jun 27 14:59:07 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)

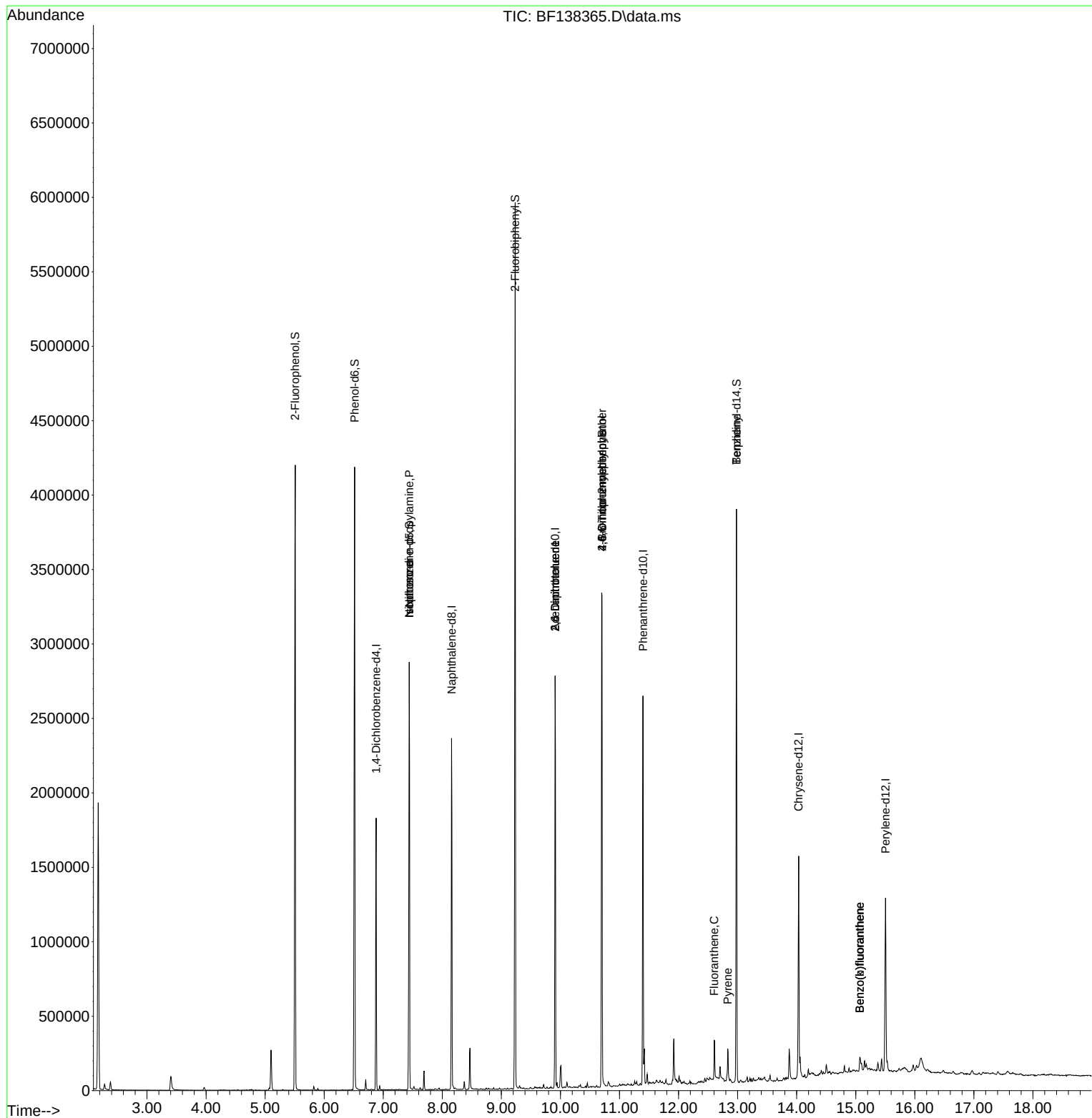
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	261541	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	1026088	20.000	ng	-0.02
39) Acenaphthene-d10	9.910	164	574467	20.000	ng	-0.02
64) Phenanthrene-d10	11.398	188	877746	20.000	ng	-0.02
76) Chrysene-d12	14.033	240	451279	20.000	ng	-0.02
86) Perylene-d12	15.504	264	518263	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1221793	78.146	ng	0.00
7) Phenol-d6	6.516	99	1509757	76.153	ng	0.00
23) Nitrobenzene-d5	7.439	82	963576	54.670	ng	-0.02
42) 2,4,6-Tribromophenol	10.704	330	472313	82.587	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	1737144	48.085	ng	-0.02
79) Terphenyl-d14	12.980	244	1257058	44.118	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	126014	10.723	ng	# 77
25) Isophorone	7.439	82	962237	30.182	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	75143	9.841	ng	# 25
57) 2,4-Dinitrotoluene	9.910	165	75143	7.979	ng	# 31
65) 4,6-Dinitro-2-methylph...	10.704	198	954	7.117	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	29936	3.027	ng	# 1
75) Fluoranthene	12.604	202	103349	2.335	ng	98
77) Benzidine	12.980	184	16051	3.075	ng	# 90
78) Pyrene	12.833	202	93132	2.393	ng	96
88) Benzo(b)fluoranthene	15.068	252	76222	2.494	ng	# 95
89) Benzo(k)fluoranthene	15.068	252	76222	2.545	ng	# 95

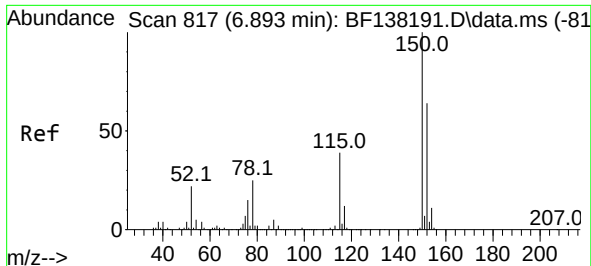
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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
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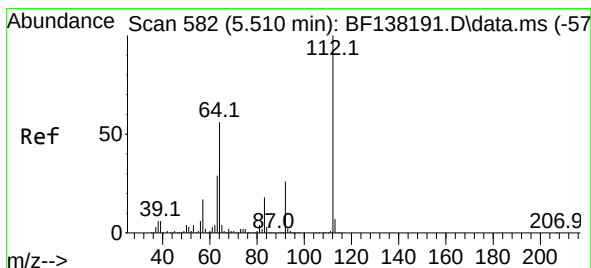
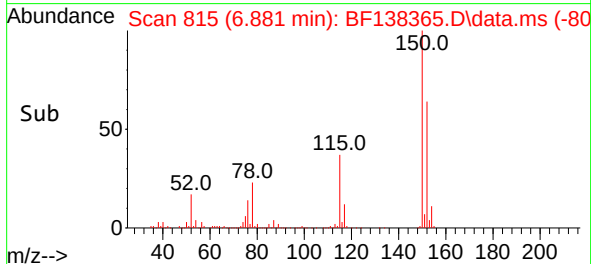
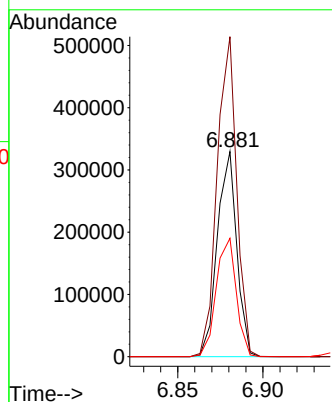
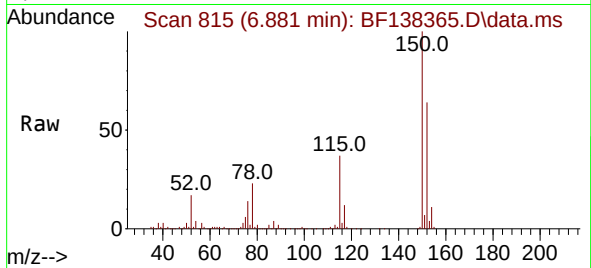




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 815
 Delta R.T. -0.012 min
 Lab File: BF138365.D
 Acq: 27 Jun 2024 14:35

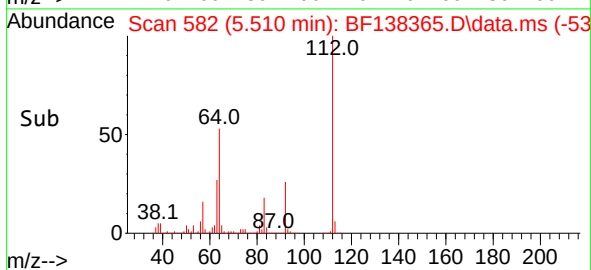
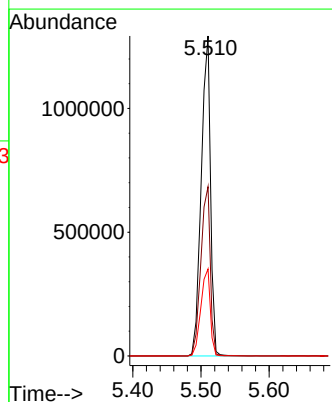
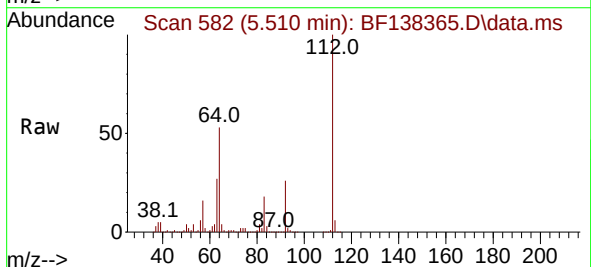
Instrument :
 BNA_F
 ClientSampleId :
 7-S-1

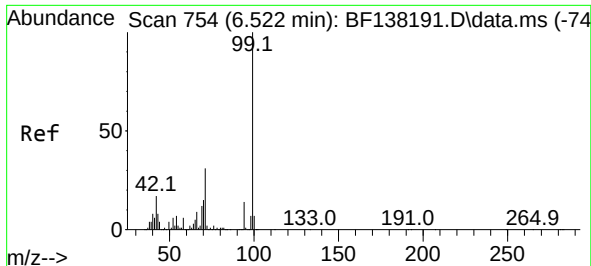
Tgt Ion:152 Resp: 261541
 Ion Ratio Lower Upper
 152 100
 150 156.0 125.0 187.4
 115 57.7 48.4 72.6



#5
 2-Fluorophenol
 Concen: 78.146 ng
 RT: 5.510 min Scan# 582
 Delta R.T. -0.000 min
 Lab File: BF138365.D
 Acq: 27 Jun 2024 14:35

Tgt Ion:112 Resp: 1221793
 Ion Ratio Lower Upper
 112 100
 64 52.9 45.2 67.8
 63 27.2 22.9 34.3





#7

Phenol-d6

Concen: 76.153 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF138365.D

Acq: 27 Jun 2024 14:35

Instrument :

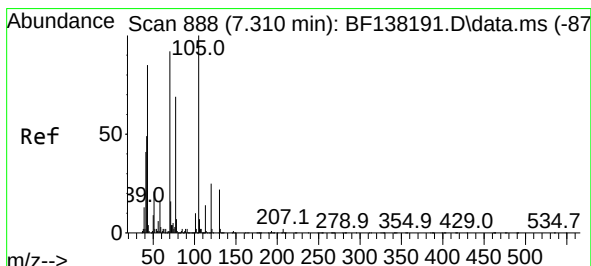
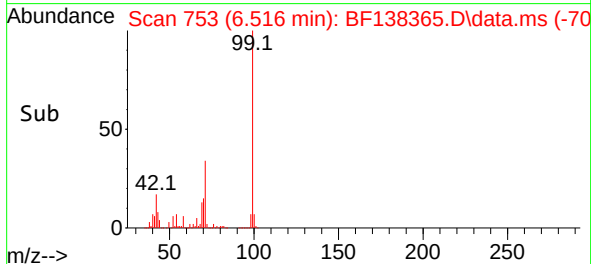
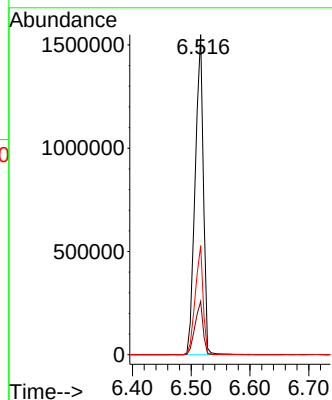
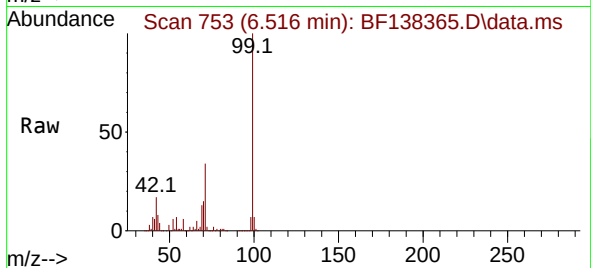
BNA_F

ClientSampleId :

7-S-1

Tgt Ion: 99 Resp: 1509757

Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.7	20.5
71	34.1	25.0	37.6



#19

n-Nitroso-di-n-propylamine

Concen: 10.723 ng

RT: 7.439 min Scan# 910

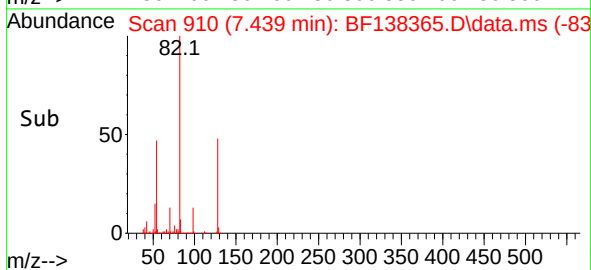
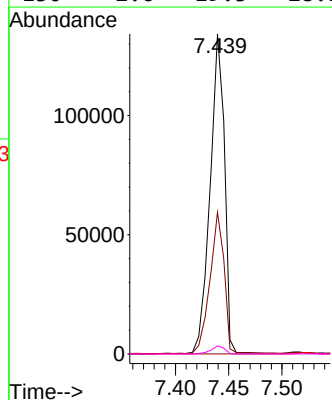
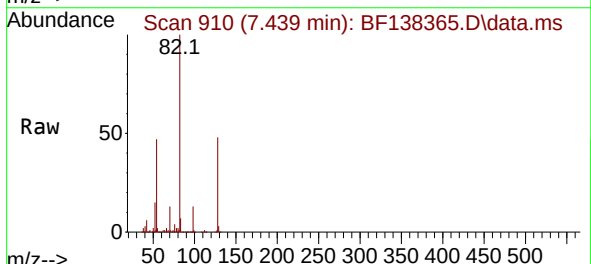
Delta R.T. 0.129 min

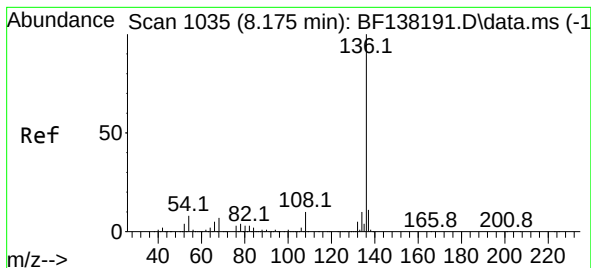
Lab File: BF138365.D

Acq: 27 Jun 2024 14:35

Tgt Ion: 70 Resp: 126014

Ion	Ratio	Lower	Upper
70	100		
42	44.3	42.8	64.2
101	0.0	8.4	12.6#
130	2.6	19.3	28.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF138365.D

Acq: 27 Jun 2024 14:35

Instrument :

BNA_F

ClientSampleId :

7-S-1

Tgt Ion:136 Resp: 1026088

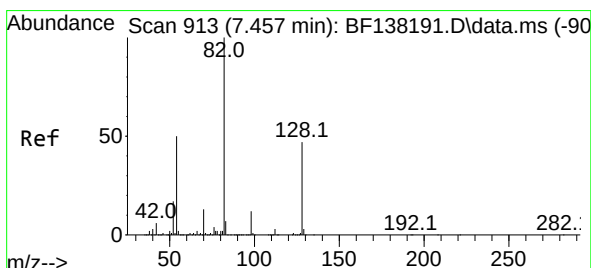
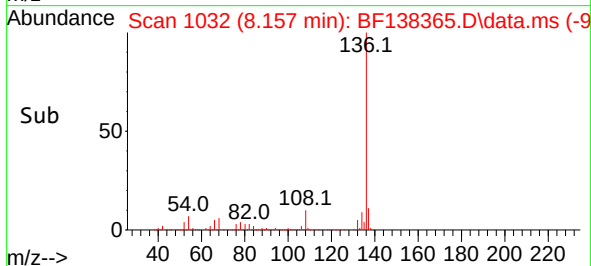
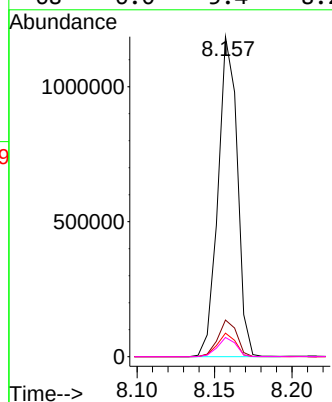
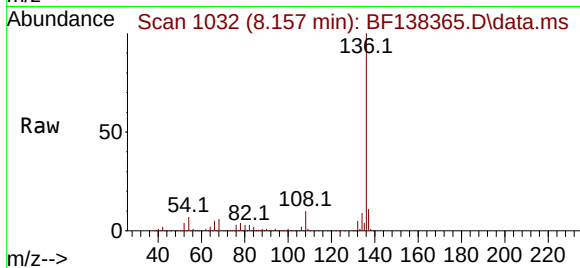
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 7.4 6.6 10.0

68 6.0 5.4 8.2



#23

Nitrobenzene-d5

Concen: 54.670 ng

RT: 7.439 min Scan# 910

Delta R.T. -0.018 min

Lab File: BF138365.D

Acq: 27 Jun 2024 14:35

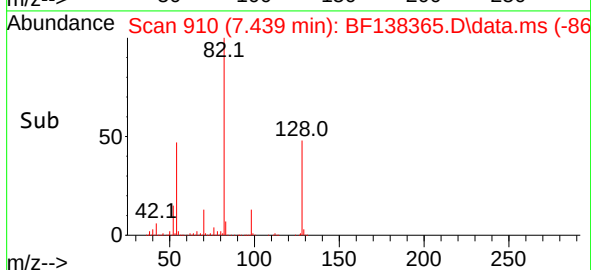
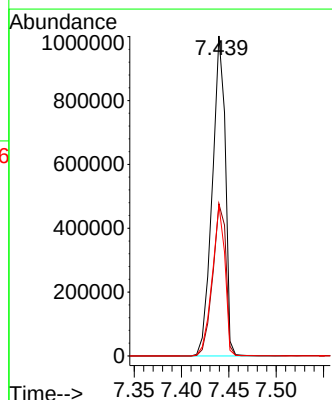
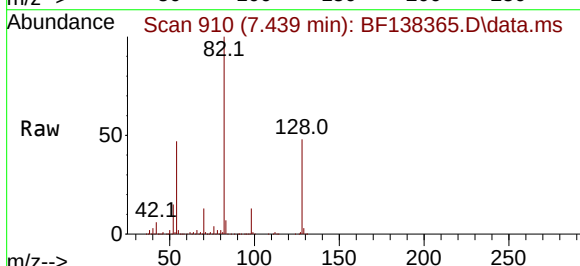
Tgt Ion: 82 Resp: 963576

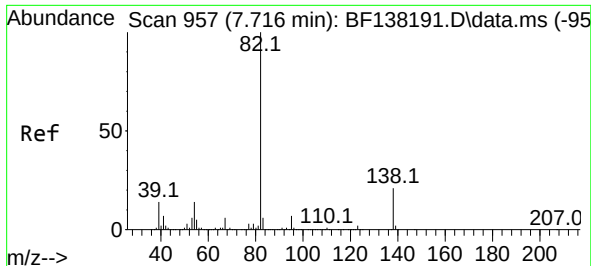
Ion Ratio Lower Upper

82 100

128 47.5 37.2 55.8

54 47.2 39.8 59.6

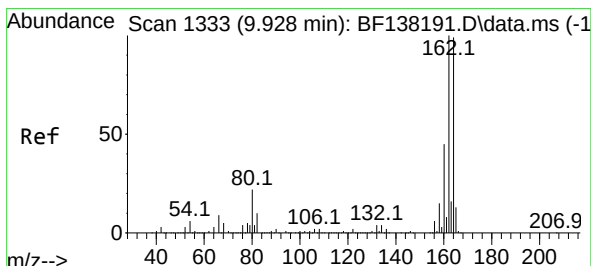
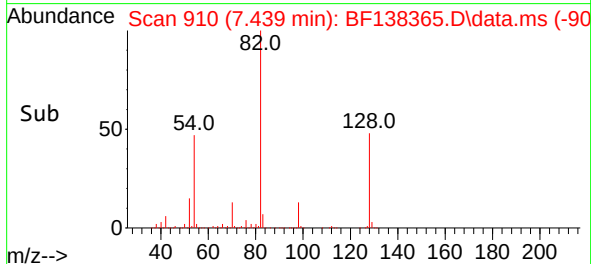
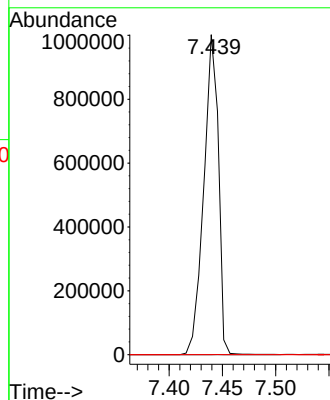
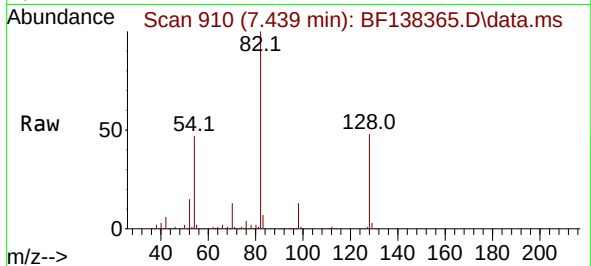




#25
Isophorone
Concen: 30.182 ng
RT: 7.439 min Scan# 91
Delta R.T. -0.277 min
Lab File: BF138365.D
Acq: 27 Jun 2024 14:35

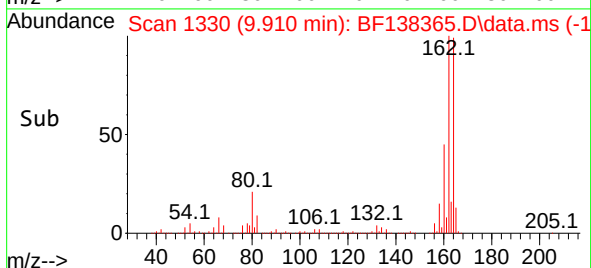
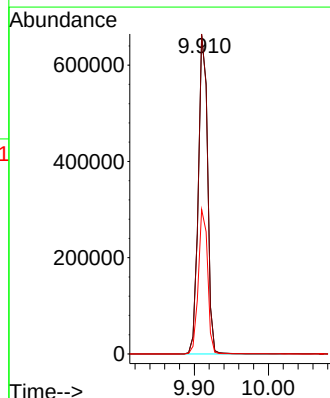
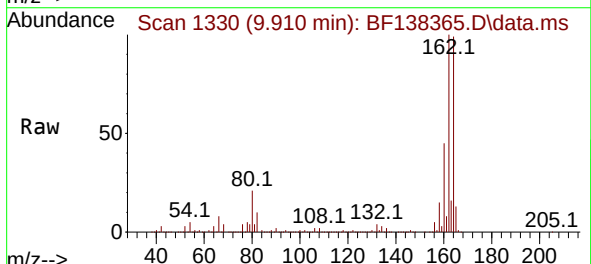
Instrument :
BNA_F
ClientSampleId :
7-S-1

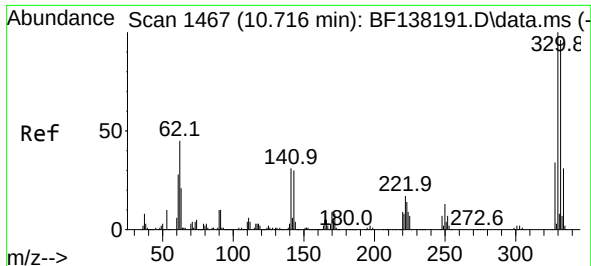
Tgt Ion: 82 Resp: 962237
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 16.4 24.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.018 min
Lab File: BF138365.D
Acq: 27 Jun 2024 14:35

Tgt Ion:164 Resp: 574467
Ion Ratio Lower Upper
164 100
162 100.5 80.6 121.0
160 45.4 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 82.587 ng

RT: 10.704 min Scan# 1465

Delta R.T. -0.012 min

Lab File: BF138365.D

Acq: 27 Jun 2024 14:35

Instrument :

BNA_F

ClientSampleId :

7-S-1

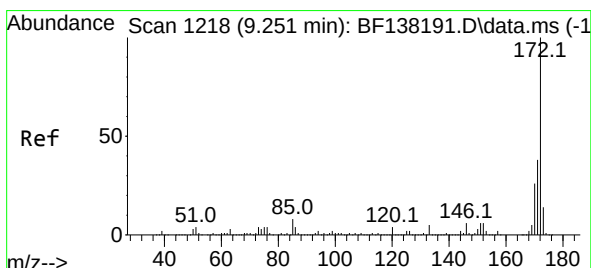
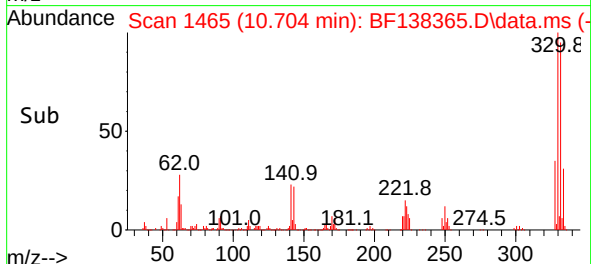
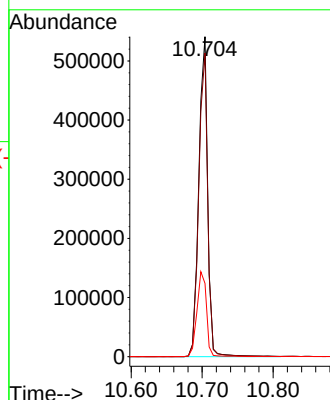
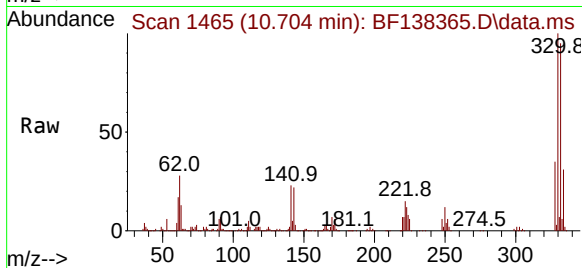
Tgt Ion:330 Resp: 472313

Ion Ratio Lower Upper

330 100

332 95.8 76.6 115.0

141 28.6 23.9 35.9



#45

2-Fluorobiphenyl

Concen: 48.085 ng

RT: 9.233 min Scan# 1215

Delta R.T. -0.018 min

Lab File: BF138365.D

Acq: 27 Jun 2024 14:35

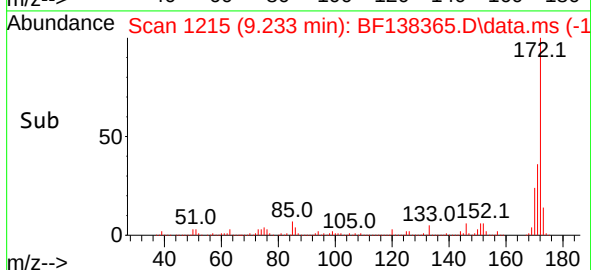
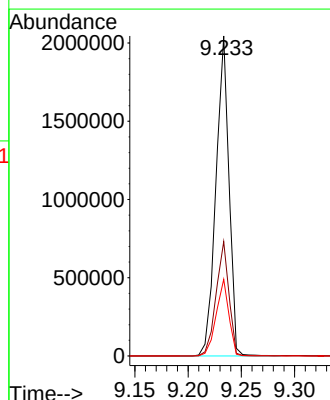
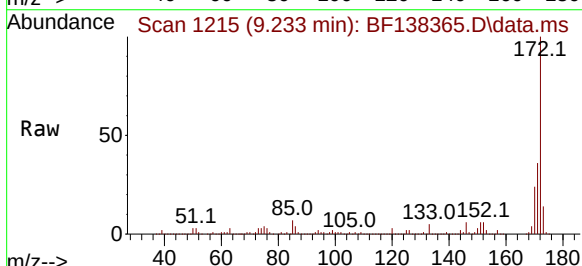
Tgt Ion:172 Resp: 1737144

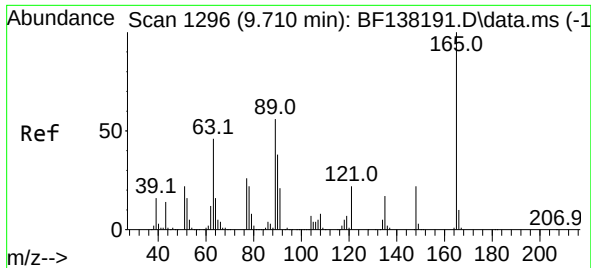
Ion Ratio Lower Upper

172 100

171 35.8 30.3 45.5

170 24.0 20.6 30.8

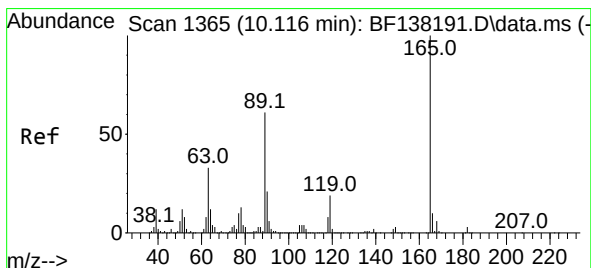
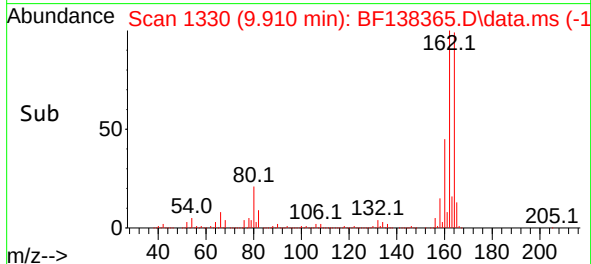
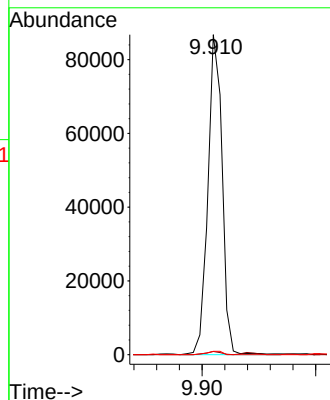
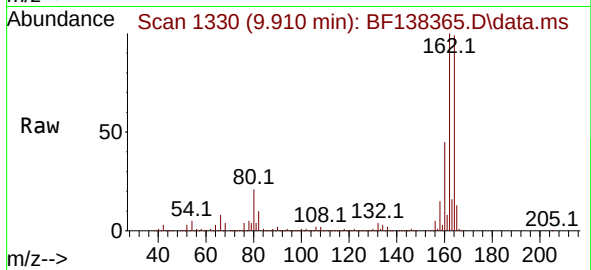




#51
2,6-Dinitrotoluene
Concen: 9.841 ng
RT: 9.910 min Scan# 1330
Delta R.T. 0.200 min
Lab File: BF138365.D
Acq: 27 Jun 2024 14:35

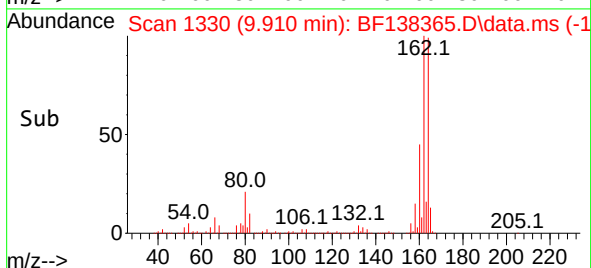
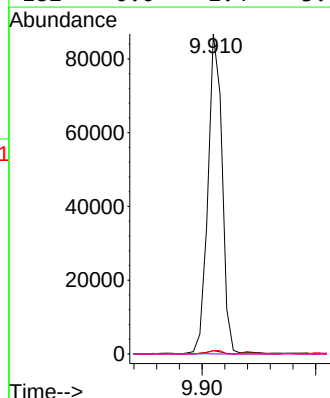
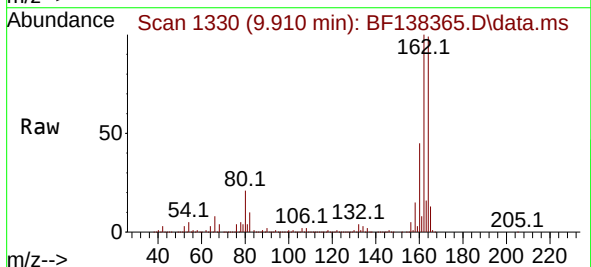
Instrument :
BNA_F
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7-S-1

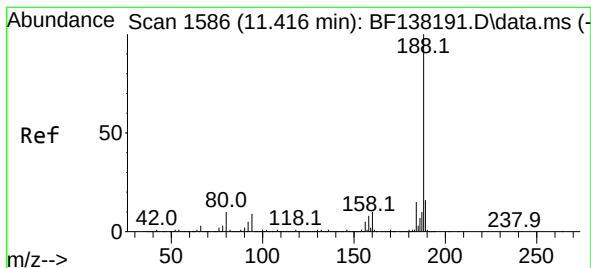
Tgt Ion:165 Resp: 75143
Ion Ratio Lower Upper
165 100
63 1.0 43.7 65.5#
89 1.1 44.9 67.3#



#57
2,4-Dinitrotoluene
Concen: 7.979 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.206 min
Lab File: BF138365.D
Acq: 27 Jun 2024 14:35

Tgt Ion:165 Resp: 75143
Ion Ratio Lower Upper
165 100
63 1.0 26.6 39.8#
89 1.1 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: BF138365.D

Acq: 27 Jun 2024 14:35

Instrument :

BNA_F

ClientSampleId :

7-S-1

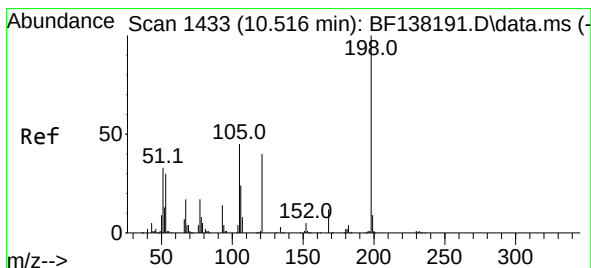
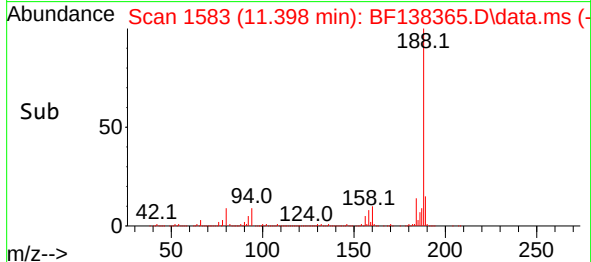
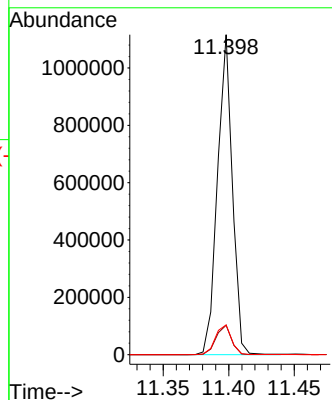
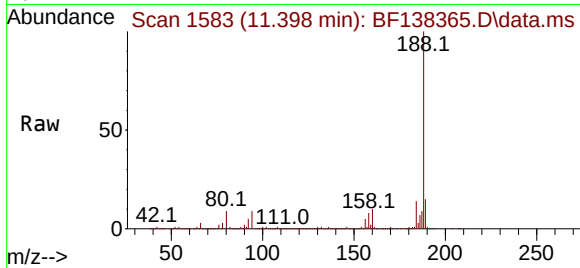
Tgt Ion:188 Resp: 877746

Ion Ratio Lower Upper

188 100

94 9.2 7.6 11.4

80 9.3 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.117 ng

RT: 10.704 min Scan# 1465

Delta R.T. 0.188 min

Lab File: BF138365.D

Acq: 27 Jun 2024 14:35

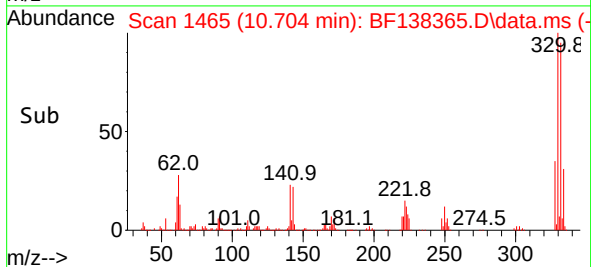
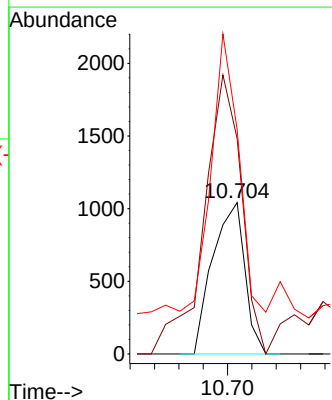
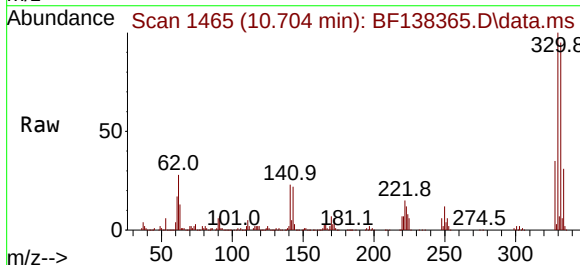
Tgt Ion:198 Resp: 954

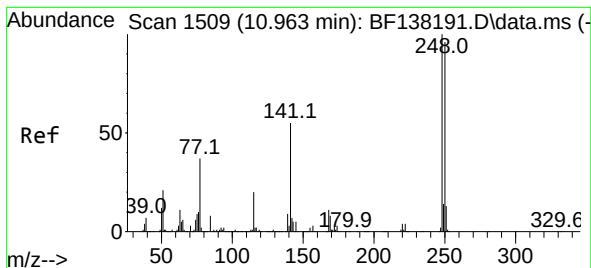
Ion Ratio Lower Upper

198 100

51 142.1 26.9 66.9#

105 148.1 26.0 66.0#

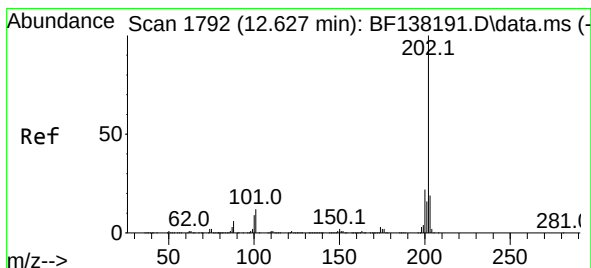
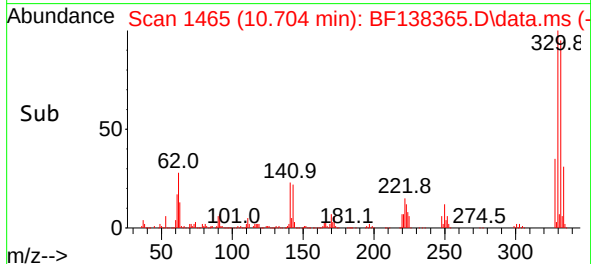
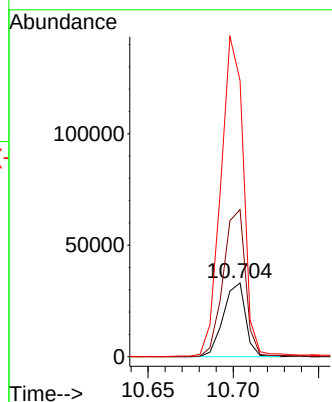
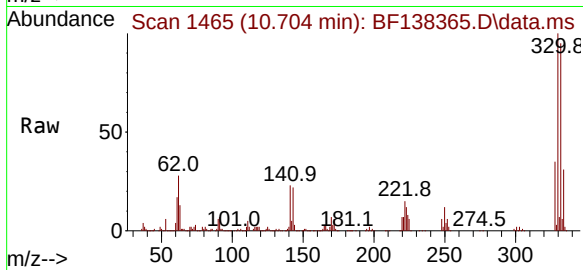




#67
4-Bromophenyl-phenylether
Concen: 3.027 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.259 min
Lab File: BF138365.D
Acq: 27 Jun 2024 14:35

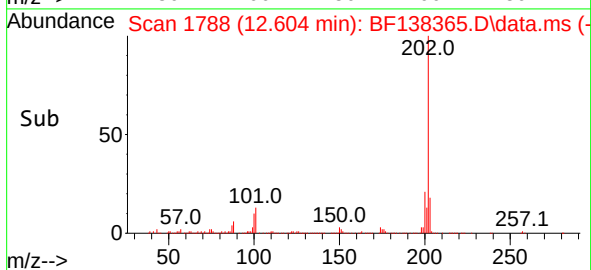
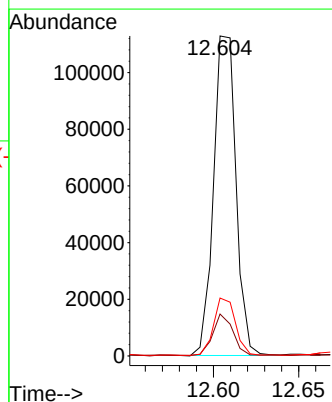
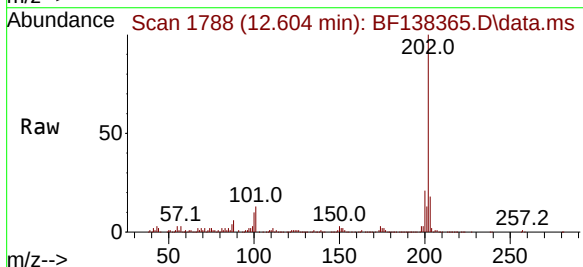
Instrument :
BNA_F
ClientSampleId :
7-S-1

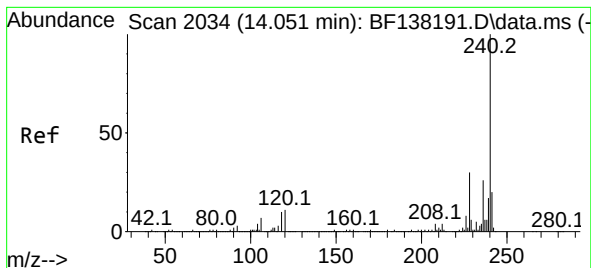
Tgt Ion:248 Resp: 29936
Ion Ratio Lower Upper
248 100
250 199.3 77.2 115.8#
141 374.4 44.1 66.1#



#75
Fluoranthene
Concen: 2.335 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.024 min
Lab File: BF138365.D
Acq: 27 Jun 2024 14:35

Tgt Ion:202 Resp: 103349
Ion Ratio Lower Upper
202 100
101 13.1 0.0 31.8
203 18.1 0.0 38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2034

Delta R.T. -0.018 min

Lab File: BF138365.D

Acq: 27 Jun 2024 14:35

Instrument :

BNA_F

ClientSampleId :

7-S-1

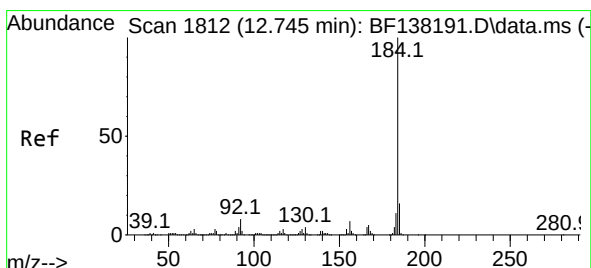
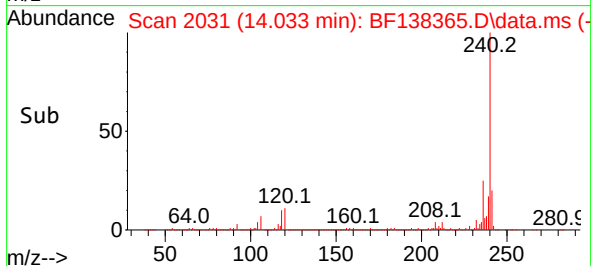
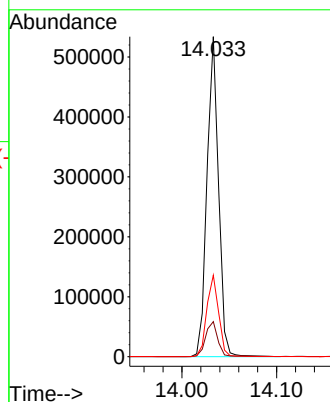
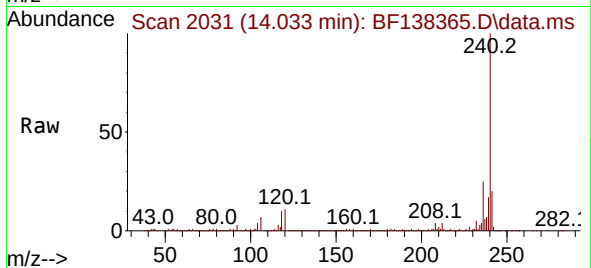
Tgt Ion:240 Resp: 451279

Ion Ratio Lower Upper

240 100

120 11.0 9.2 13.8

236 25.5 21.0 31.6



#77

Benzidine

Concen: 3.075 ng

RT: 12.980 min Scan# 1852

Delta R.T. 0.235 min

Lab File: BF138365.D

Acq: 27 Jun 2024 14:35

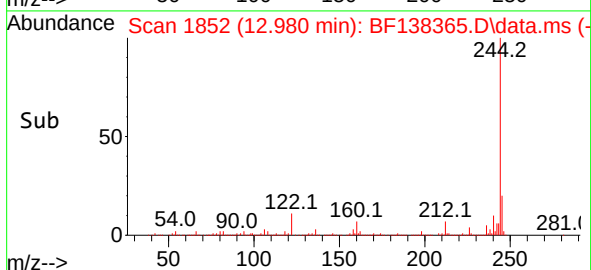
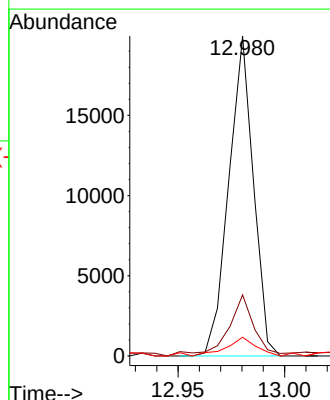
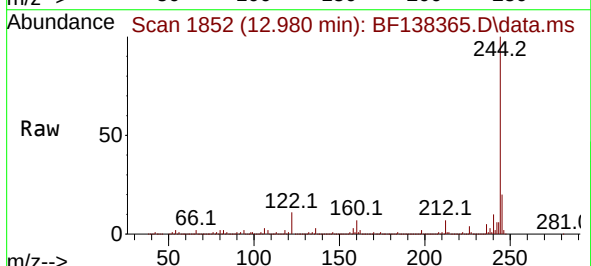
Tgt Ion:184 Resp: 16051

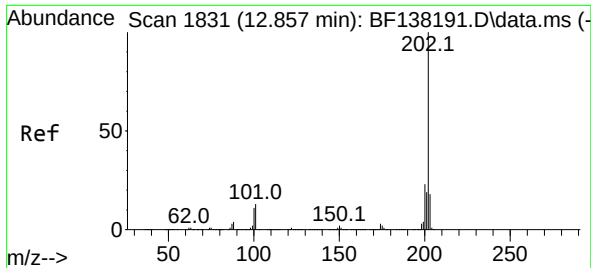
Ion Ratio Lower Upper

184 100

185 19.1 12.6 19.0#

183 5.9 9.0 13.6#





#78

Pyrene

Concen: 2.393 ng

RT: 12.833 min Scan# 1827

Delta R.T. -0.024 min

Lab File: BF138365.D

Acq: 27 Jun 2024 14:35

Instrument :

BNA_F

ClientSampleId :

7-S-1

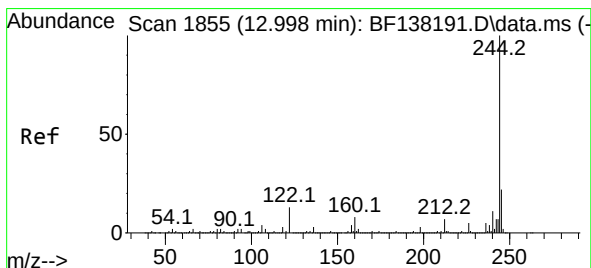
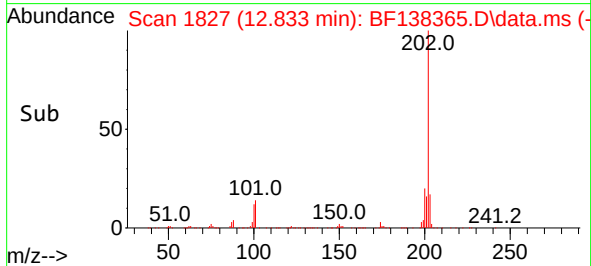
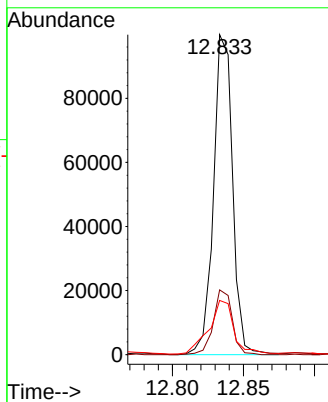
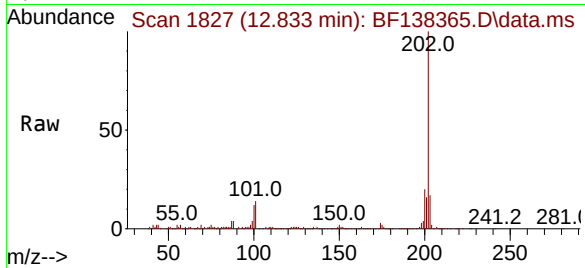
Tgt Ion:202 Resp: 93132

Ion Ratio Lower Upper

202 100

200 20.3 18.0 27.0

203 16.9 14.7 22.1



#79

Terphenyl-d14

Concen: 44.118 ng

RT: 12.980 min Scan# 1852

Delta R.T. -0.018 min

Lab File: BF138365.D

Acq: 27 Jun 2024 14:35

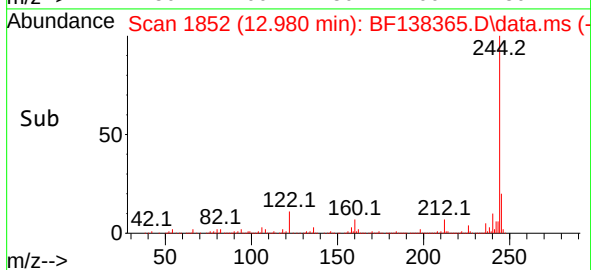
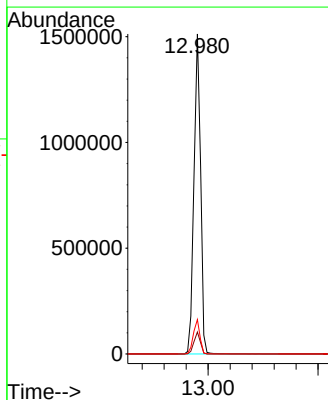
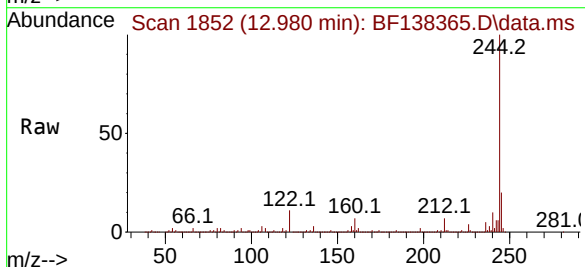
Tgt Ion:244 Resp: 1257058

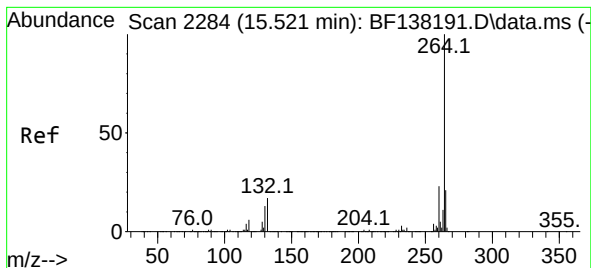
Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

122 10.7 10.6 15.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF138365.D

Acq: 27 Jun 2024 14:35

Instrument :

BNA_F

ClientSampleId :

7-S-1

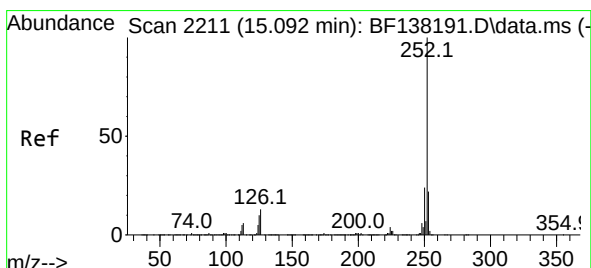
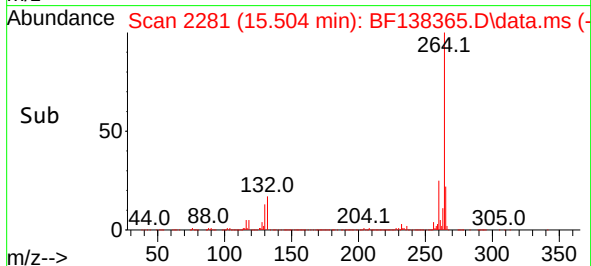
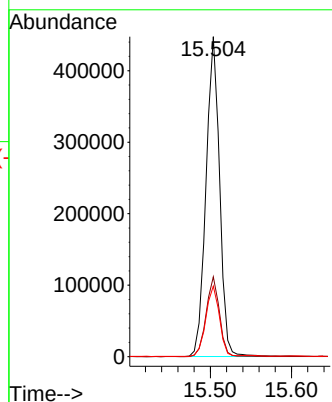
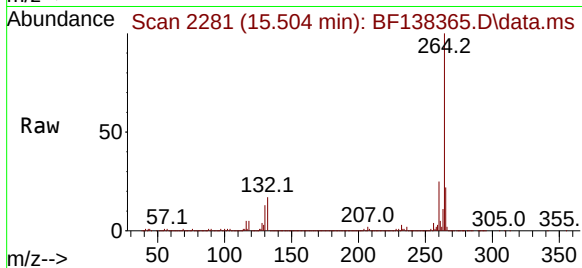
Tgt Ion:264 Resp: 518263

Ion Ratio Lower Upper

264 100

260 24.9 18.7 28.1

265 22.1 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 2.494 ng

RT: 15.068 min Scan# 2207

Delta R.T. -0.024 min

Lab File: BF138365.D

Acq: 27 Jun 2024 14:35

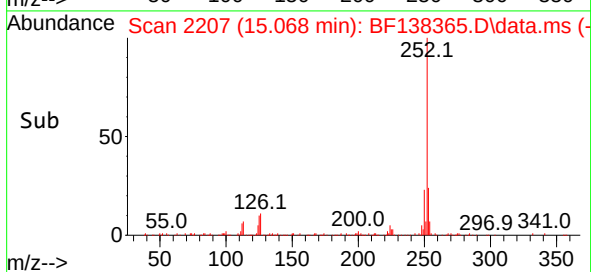
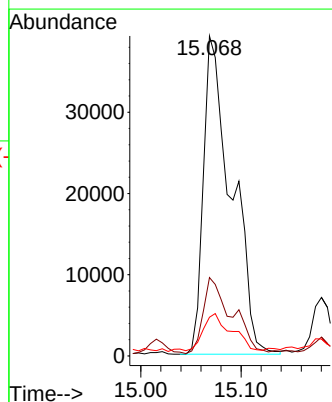
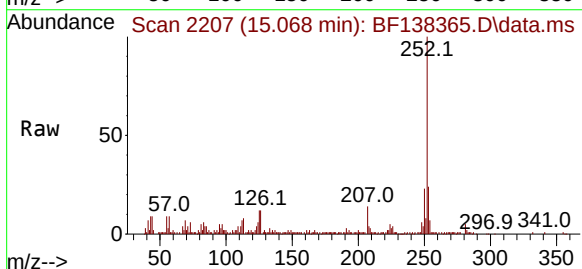
Tgt Ion:252 Resp: 76222

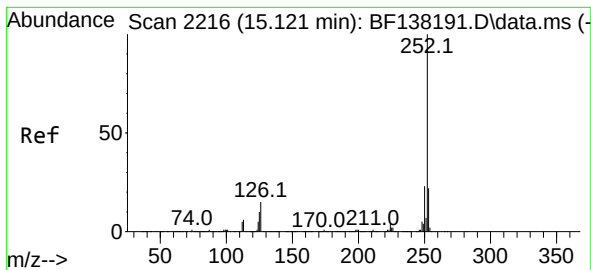
Ion Ratio Lower Upper

252 100

253 24.5 17.7 26.5

125 12.1 7.8 11.8#





#89

Benzo(k)fluoranthene

Concen: 2.545 ng

RT: 15.068 min Scan# 21

Delta R.T. -0.053 min

Lab File: BF138365.D

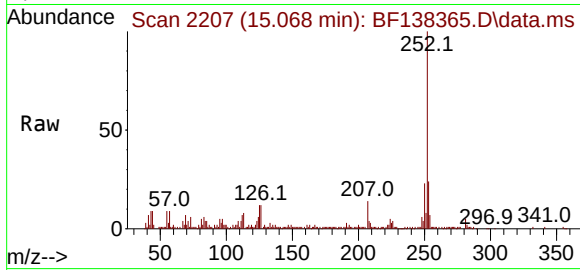
Acq: 27 Jun 2024 14:35

Instrument :

BNA_F

ClientSampleId :

7-S-1



Tgt Ion:252 Resp: 76222

Ion Ratio Lower Upper

252 100

253 24.5 17.8 26.8

125 12.1 8.0 12.0#

