

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070524\
 Data File : BF138467.D
 Acq On : 05 Jul 2024 14:27
 Operator : CG\JU
 Sample : P3073-02DL2 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW12-20240625DL2

Quant Time: Jul 05 14:50:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 29 02:44:30 2024
 Response via : Initial Calibration

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

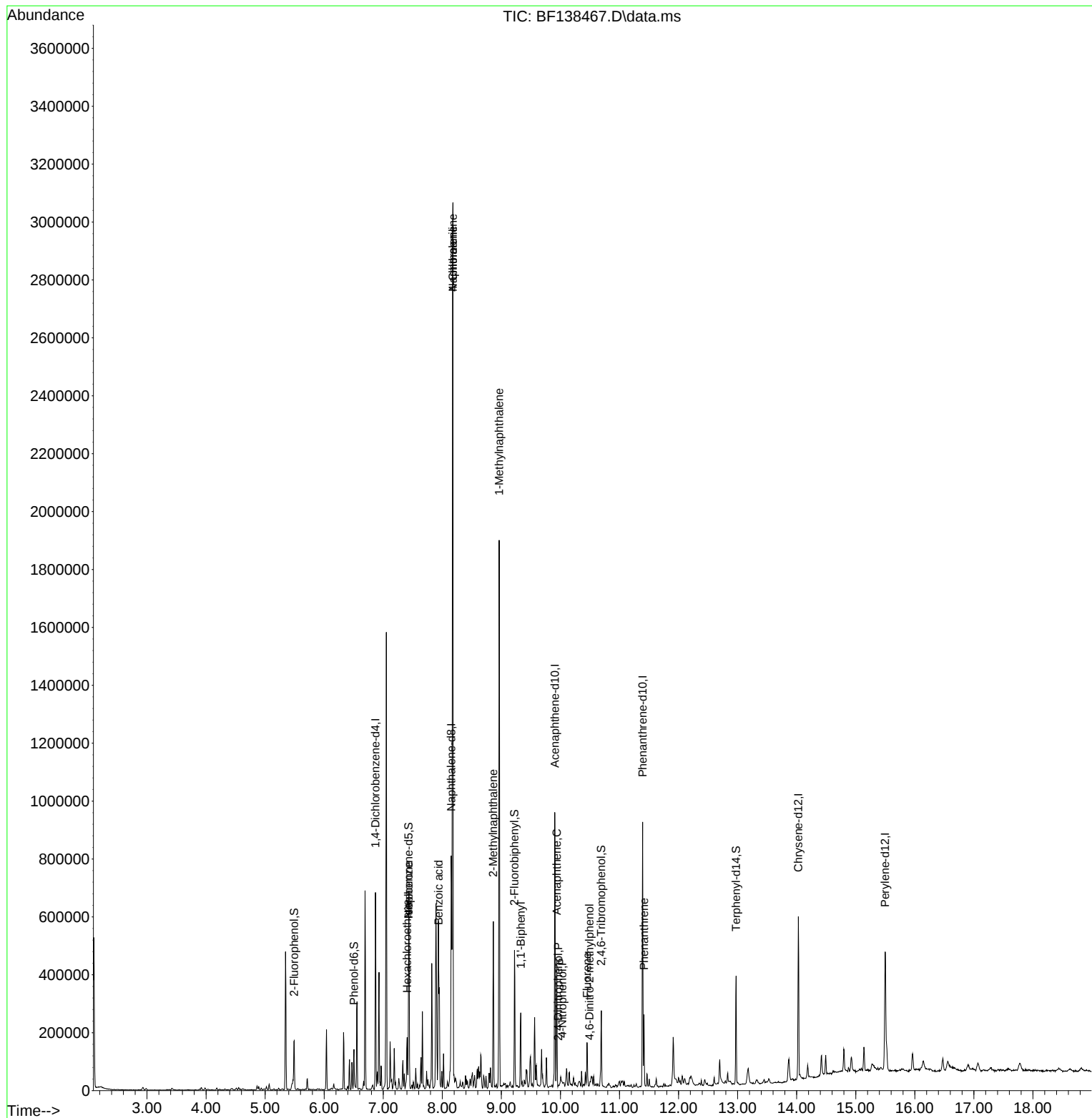
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	83792	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	329952	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	181442	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	291188	20.000	ng	0.00
76) Chrysene-d12	14.027	240	173018	20.000	ng	0.00
86) Perylene-d12	15.498	264	172152	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	42084	8.327	ng	0.00
7) Phenol-d6	6.504	99	37384	5.491	ng	-0.01
23) Nitrobenzene-d5	7.428	82	62989	9.917	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	24957	16.835	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	120993	10.612	ng	-0.01
79) Terphenyl-d14	12.974	244	115492	9.148	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.404	117	16206	7.212	ng	# 1
25) Isophorone	7.428	82	62988	5.378	ng	# 67
31) Naphthalene	8.181	128	1317854	79.007	ng	99
32) Benzoic acid	7.939	122	1139	4.419	ng	# 1
33) 4-Chloroaniline	8.181	127	172718	29.649	ng	# 34
37) 2-Methylnaphthalene	8.863	142	124439	11.543	ng	99
38) 1-Methylnaphthalene	8.963	142	445806	42.641	ng	99
46) 1,1'-Biphenyl	9.328	154	71463	5.275	ng	97
52) Acenaphthene	9.939	154	80116	8.054	ng	98
54) 2,4-Dinitrophenol	9.963	184	65	8.983	ng	# 1
56) 4-Nitrophenol	10.033	139	4263	2.549	ng	80
58) Fluorene	10.451	166	36212	3.325	ng	93
65) 4,6-Dinitro-2-methylph...	10.492	198	68	5.838	ng	# 1
71) Phenanthrene	11.416	178	78364	5.512	ng	98

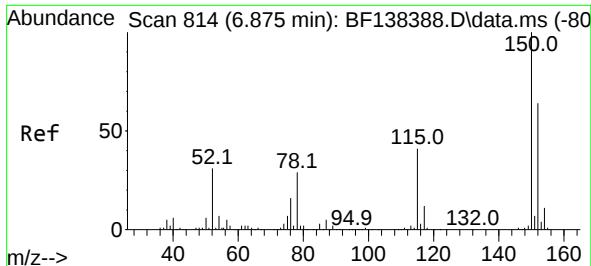
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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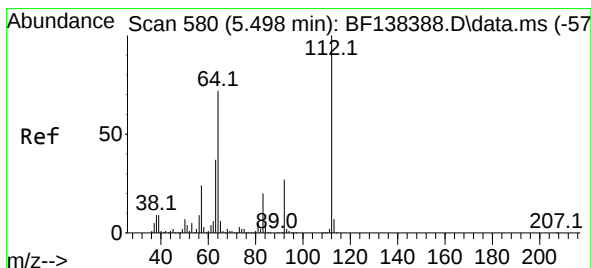
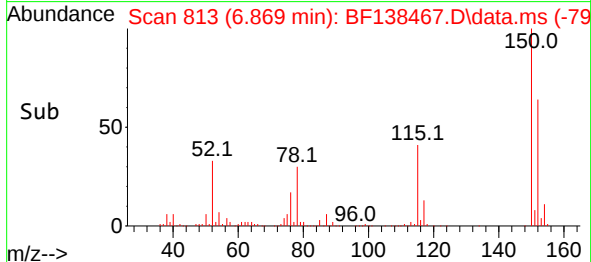
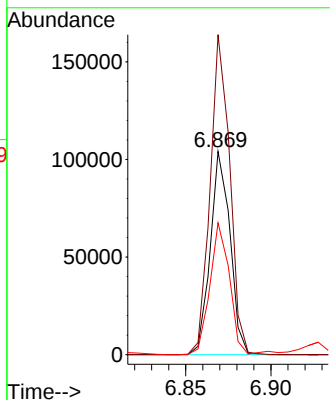
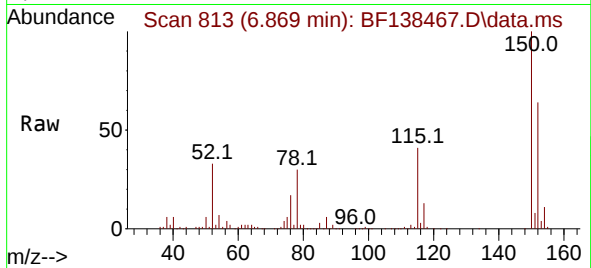




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF138467.D
Acq: 05 Jul 2024 14:27

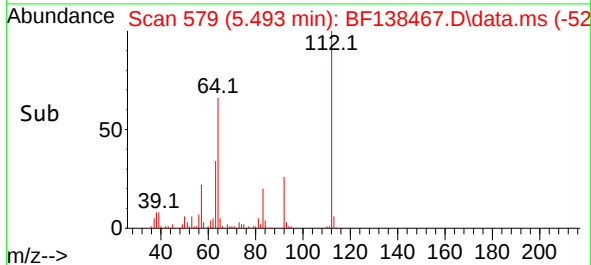
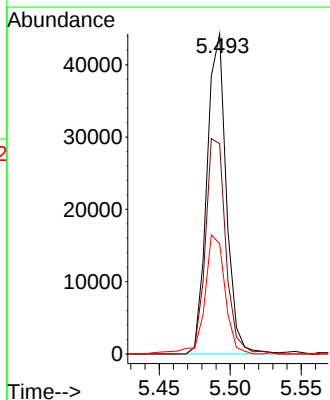
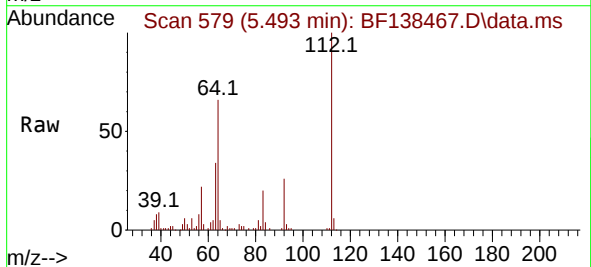
Instrument :
BNA_F
ClientSampleId :
MW12-20240625DL2

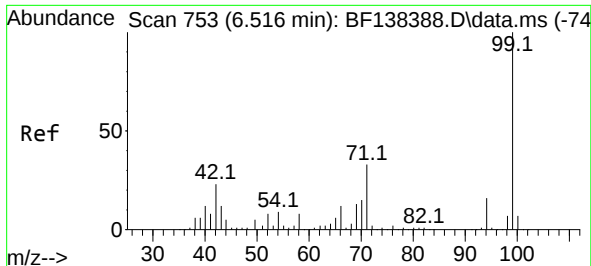
Tgt Ion:152 Resp: 83792
Ion Ratio Lower Upper
152 100
150 157.4 124.9 187.3
115 64.9 50.8 76.2



#5
2-Fluorophenol
Concen: 8.327 ng
RT: 5.493 min Scan# 579
Delta R.T. -0.006 min
Lab File: BF138467.D
Acq: 05 Jul 2024 14:27

Tgt Ion:112 Resp: 42084
Ion Ratio Lower Upper
112 100
64 65.7 57.2 85.8
63 34.4 29.4 44.0

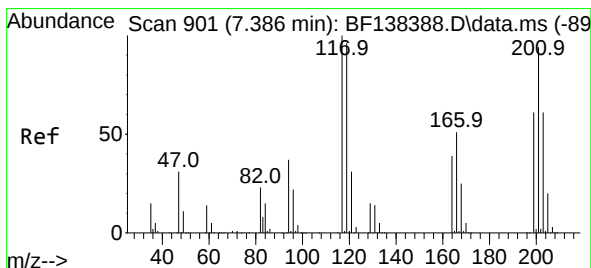
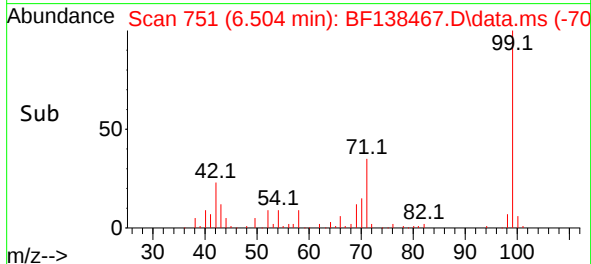
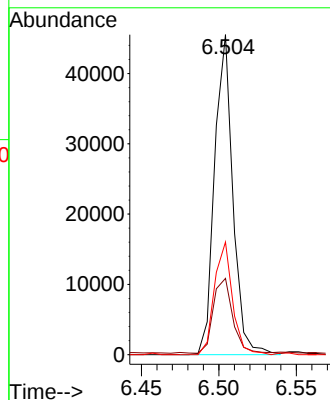
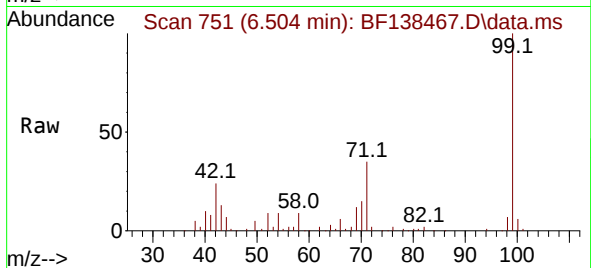




#7
Phenol-d6
Concen: 5.491 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF138467.D
Acq: 05 Jul 2024 14:27

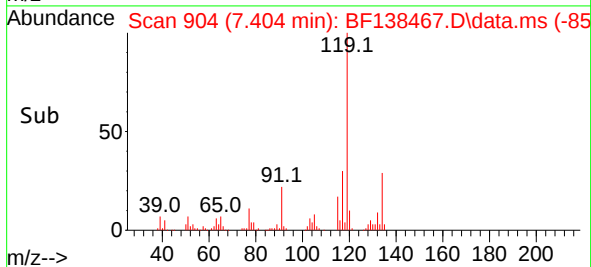
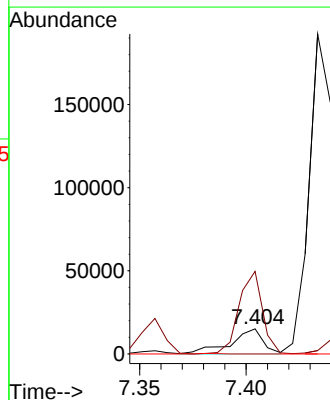
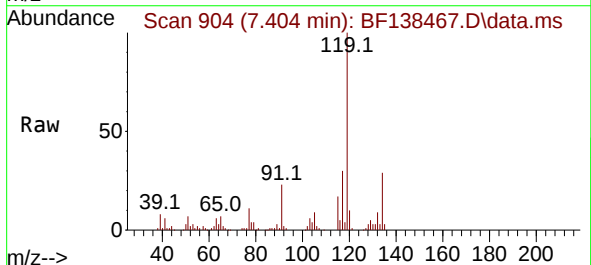
Instrument :
BNA_F
ClientSampleId :
MW12-20240625DL2

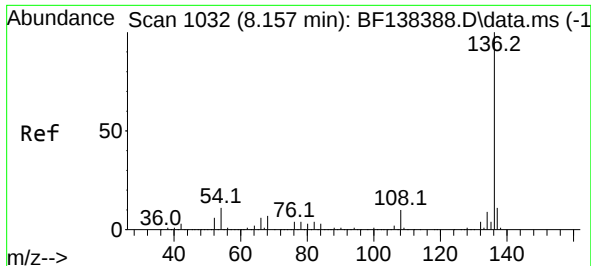
Tgt Ion: 99 Resp: 37384
Ion Ratio Lower Upper
99 100
42 23.8 18.5 27.7
71 35.2 26.1 39.1



#18
Hexachloroethane
Concen: 7.212 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.018 min
Lab File: BF138467.D
Acq: 05 Jul 2024 14:27

Tgt Ion: 117 Resp: 16206
Ion Ratio Lower Upper
117 100
119 328.6 77.1 115.7#
201 0.0 75.6 113.4#



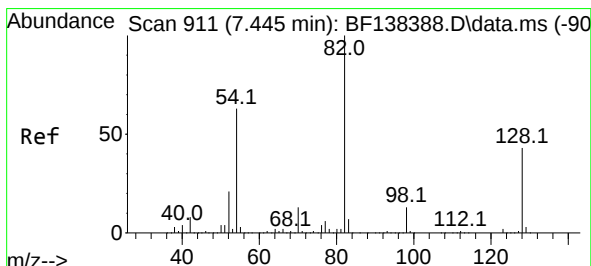
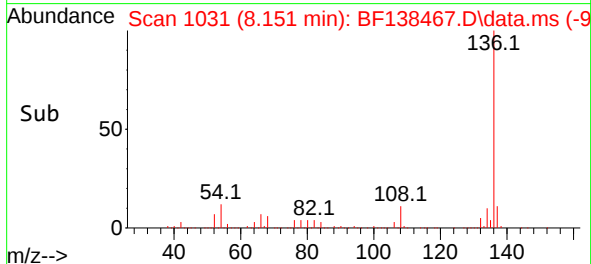
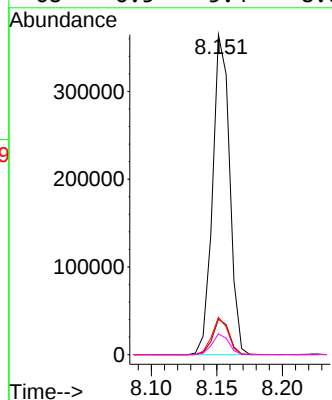
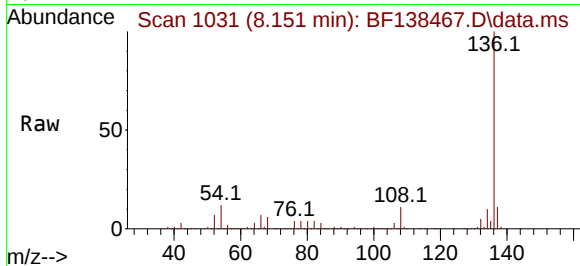


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF138467.D
Acq: 05 Jul 2024 14:27

Instrument :
BNA_F
ClientSampleId :
MW12-20240625DL2

Tgt Ion:136 Resp: 329952

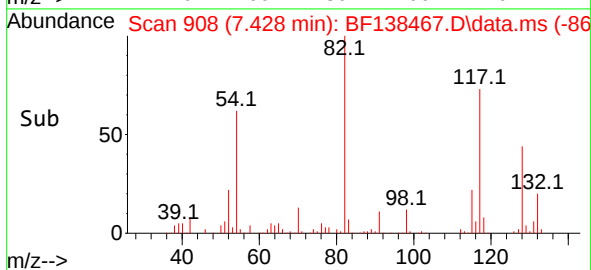
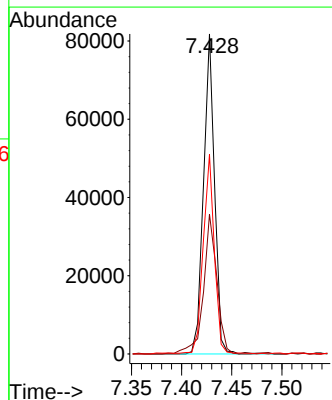
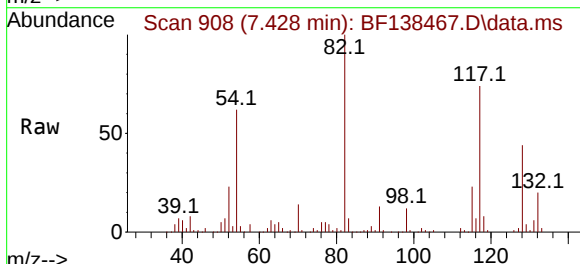
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	11.7	9.0	13.4
68	6.5	5.4	8.0

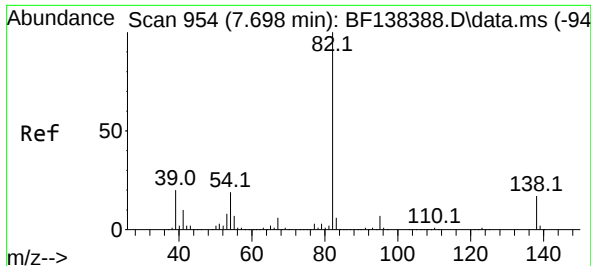


#23
Nitrobenzene-d5
Concen: 9.917 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.018 min
Lab File: BF138467.D
Acq: 05 Jul 2024 14:27

Tgt Ion: 82 Resp: 62989

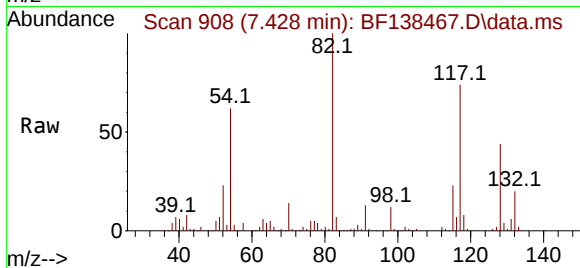
Ion	Ratio	Lower	Upper
82	100		
128	43.7	34.6	52.0
54	62.4	50.5	75.7



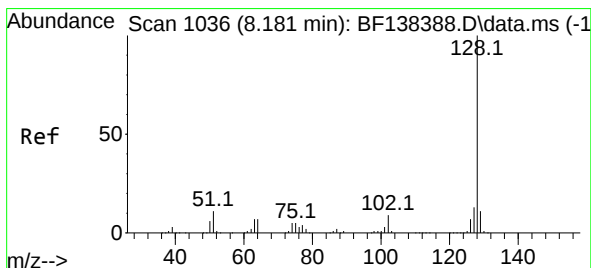
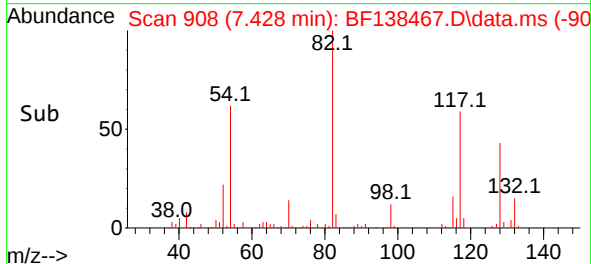
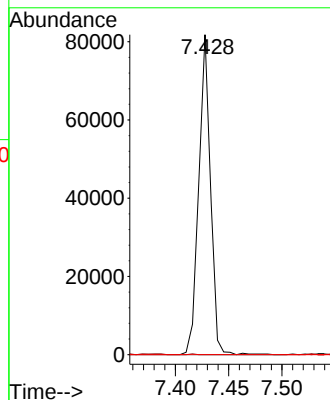


#25
Isophorone
Concen: 5.378 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF138467.D
Acq: 05 Jul 2024 14:27

Instrument :
BNA_F
ClientSampleId :
MW12-20240625DL2

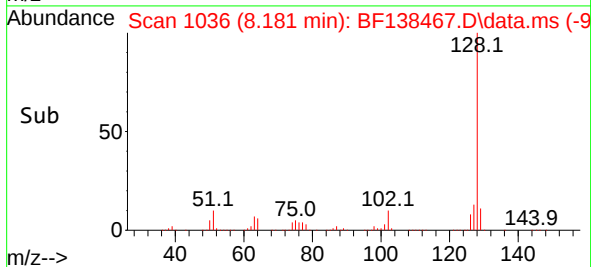
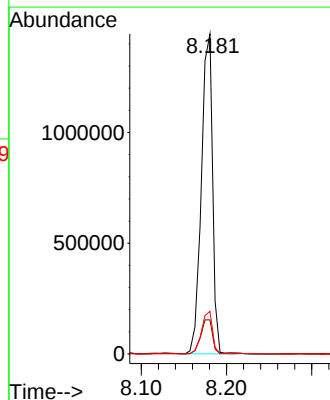
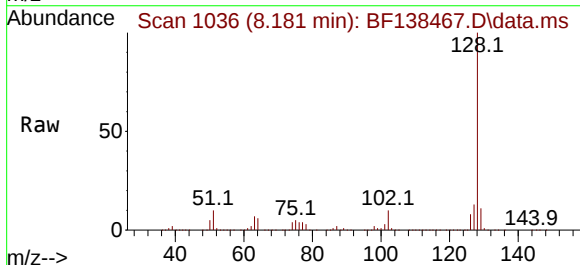


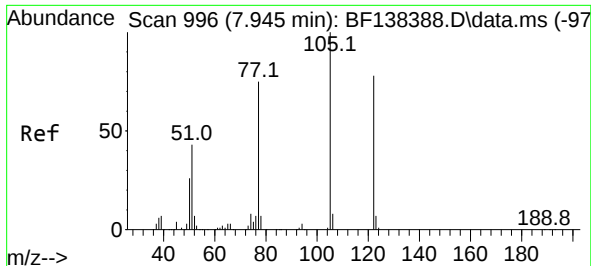
Tgt Ion: 82 Resp: 62988
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.4 20.2#



#31
Naphthalene
Concen: 79.007 ng
RT: 8.181 min Scan# 1036
Delta R.T. 0.000 min
Lab File: BF138467.D
Acq: 05 Jul 2024 14:27

Tgt Ion:128 Resp: 1317854
Ion Ratio Lower Upper
128 100
129 10.6 9.0 13.6
127 13.3 10.6 16.0

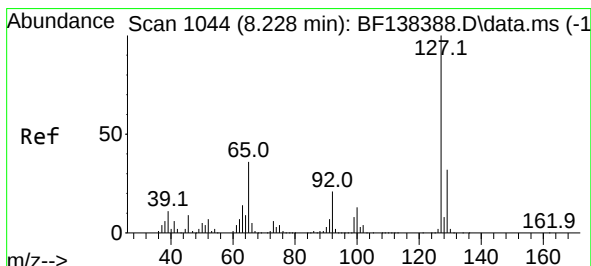
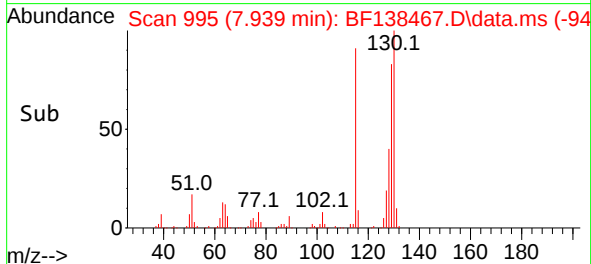
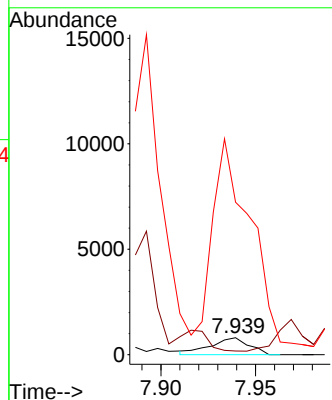
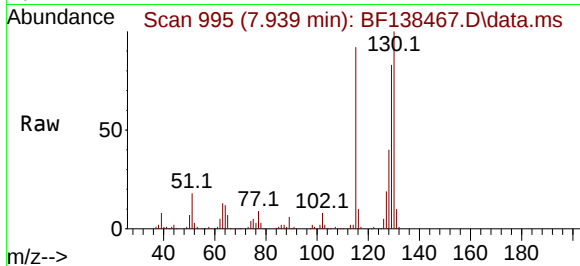




#32
Benzoic acid
Concen: 4.419 ng
RT: 7.939 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF138467.D
Acq: 05 Jul 2024 14:27

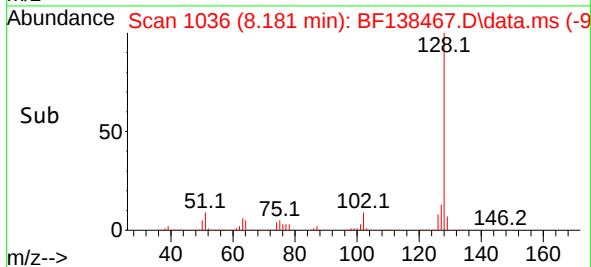
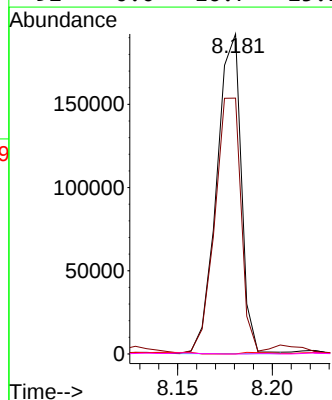
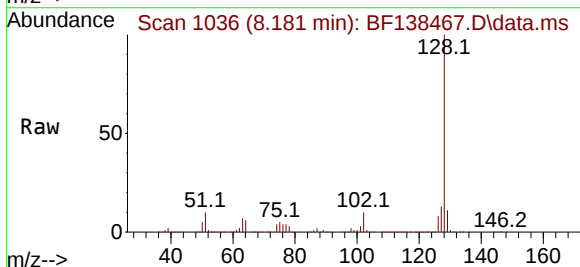
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ClientSampleId :
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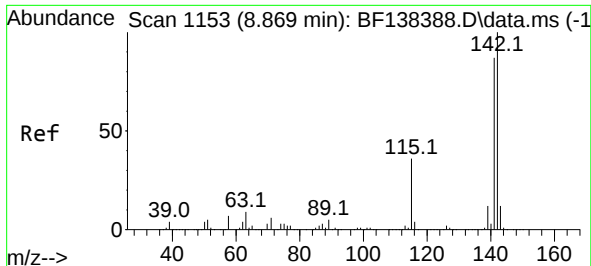
Tgt Ion:122 Resp: 1139
Ion Ratio Lower Upper
122 100
105 22.1 103.8 143.8#
77 897.0 74.3 114.3#



#33
4-Chloroaniline
Concen: 29.649 ng
RT: 8.181 min Scan# 1036
Delta R.T. -0.047 min
Lab File: BF138467.D
Acq: 05 Jul 2024 14:27

Tgt Ion:127 Resp: 172718
Ion Ratio Lower Upper
127 100
129 80.0 25.4 38.2#
65 0.0 28.7 43.1#
92 0.0 16.7 25.1#





#37

2-Methylnaphthalene

Concen: 11.543 ng

RT: 8.863 min Scan# 1153

Delta R.T. -0.006 min

Lab File: BF138467.D

Acq: 05 Jul 2024 14:27

Instrument :

BNA_F

ClientSampleId :

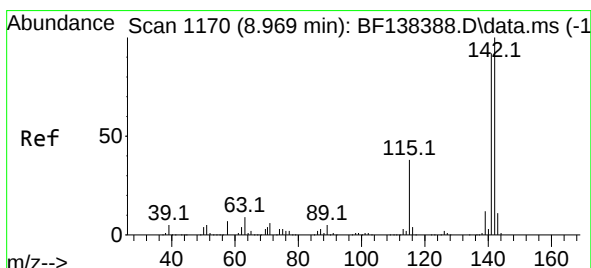
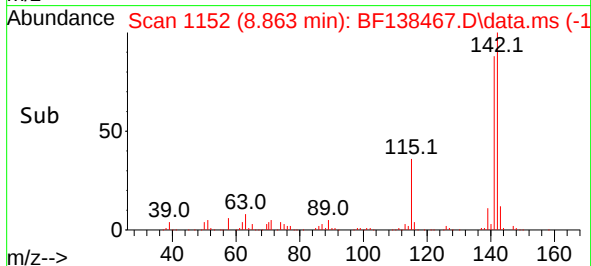
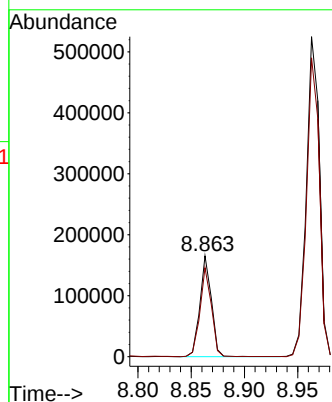
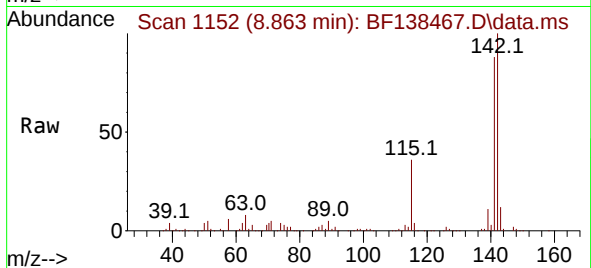
MW12-20240625DL2

Tgt Ion:142 Resp: 124439

Ion Ratio Lower Upper

142 100

141 88.2 69.6 104.4



#38

1-Methylnaphthalene

Concen: 42.641 ng

RT: 8.963 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF138467.D

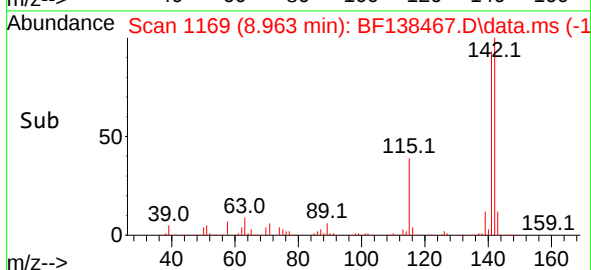
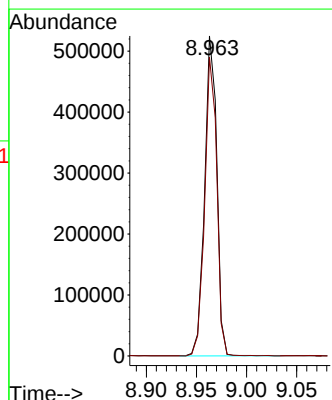
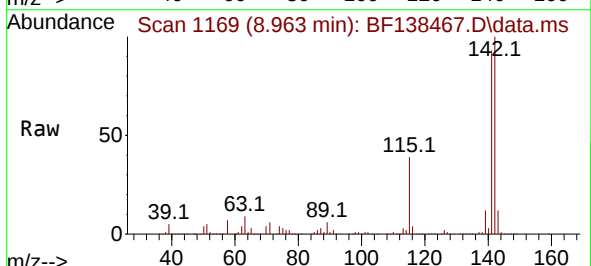
Acq: 05 Jul 2024 14:27

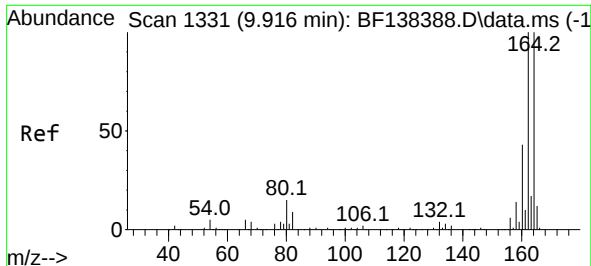
Tgt Ion:142 Resp: 445806

Ion Ratio Lower Upper

142 100

141 93.4 73.7 110.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138467.D

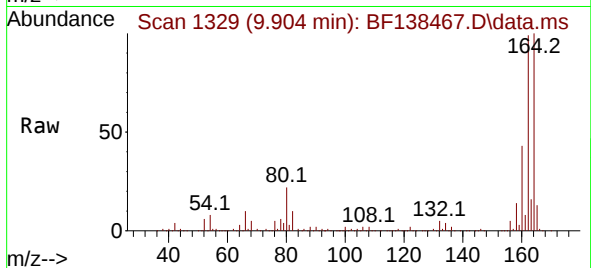
Acq: 05 Jul 2024 14:27

Instrument :

BNA_F

ClientSampleId :

MW12-20240625DL2



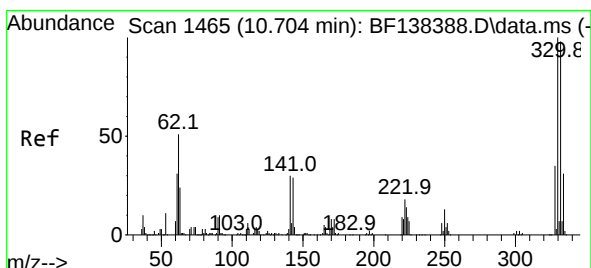
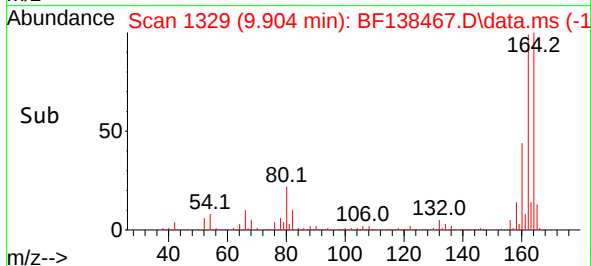
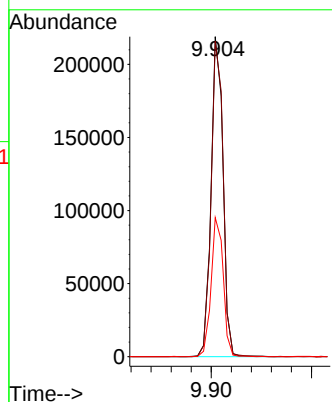
Tgt Ion:164 Resp: 181442

Ion Ratio Lower Upper

164 100

162 98.6 80.1 120.1

160 43.5 34.1 51.1



#42

2,4,6-Tribromophenol

Concen: 16.835 ng

RT: 10.692 min Scan# 1463

Delta R.T. -0.012 min

Lab File: BF138467.D

Acq: 05 Jul 2024 14:27

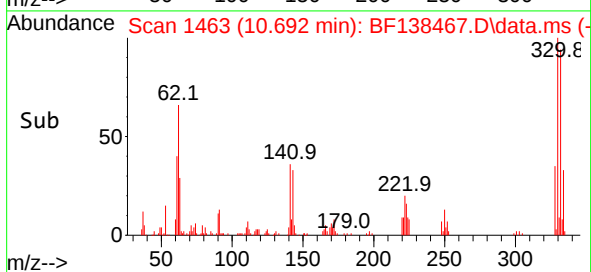
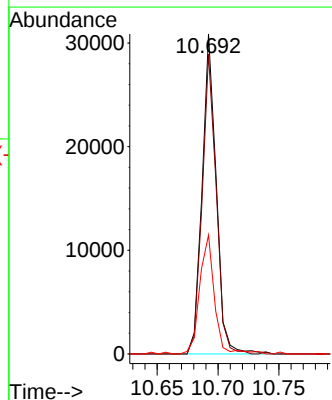
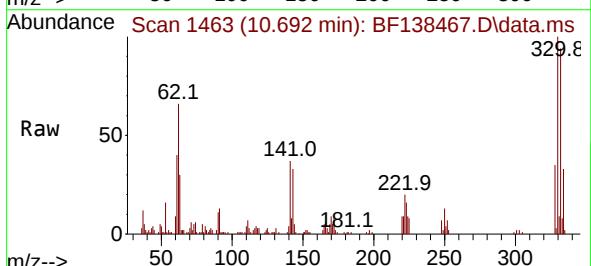
Tgt Ion:330 Resp: 24957

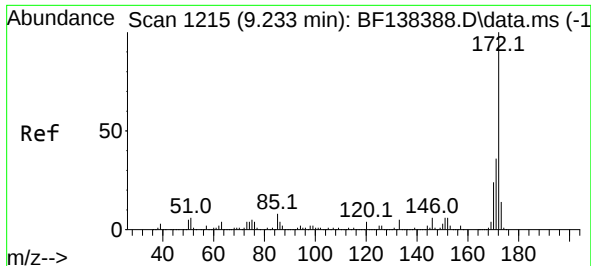
Ion Ratio Lower Upper

330 100

332 92.5 77.0 115.6

141 38.9 28.1 42.1





#45

2-Fluorobiphenyl

Concen: 10.612 ng

RT: 9.222 min Scan# 11

Delta R.T. -0.011 min

Lab File: BF138467.D

Acq: 05 Jul 2024 14:27

Instrument :

BNA_F

ClientSampleId :

MW12-20240625DL2

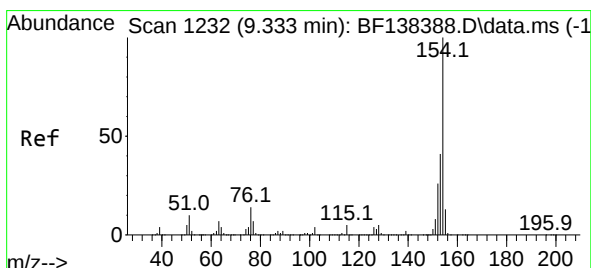
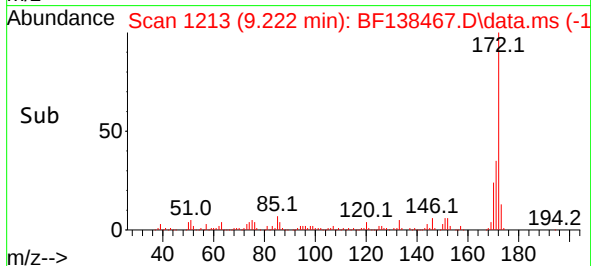
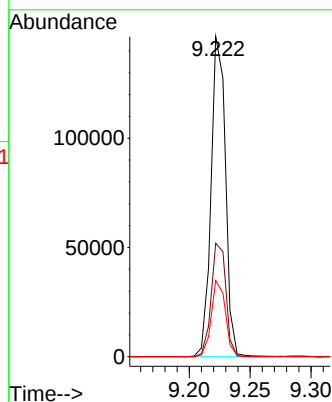
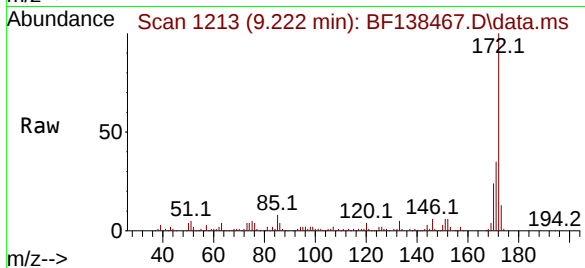
Tgt Ion:172 Resp: 120993

Ion Ratio Lower Upper

172 100

171 35.5 29.0 43.4

170 23.8 19.0 28.6



#46

1,1'-Biphenyl

Concen: 5.275 ng

RT: 9.328 min Scan# 1231

Delta R.T. -0.006 min

Lab File: BF138467.D

Acq: 05 Jul 2024 14:27

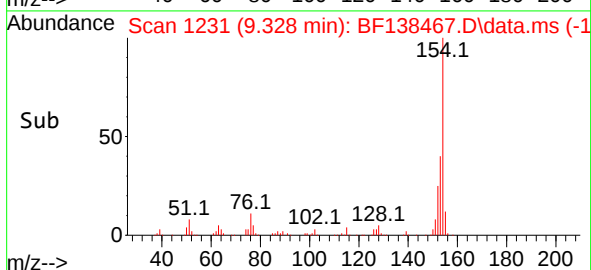
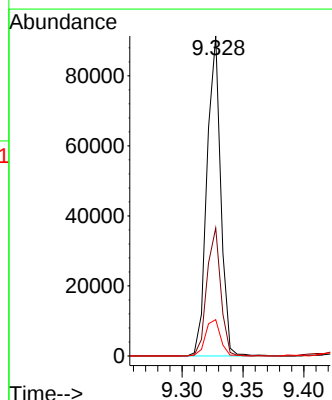
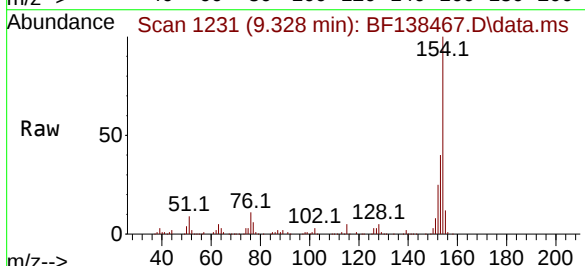
Tgt Ion:154 Resp: 71463

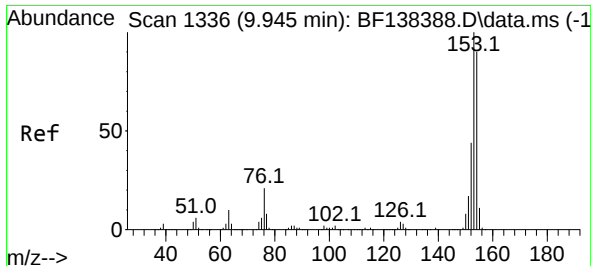
Ion Ratio Lower Upper

154 100

153 40.0 20.5 60.5

76 11.4 0.0 34.4

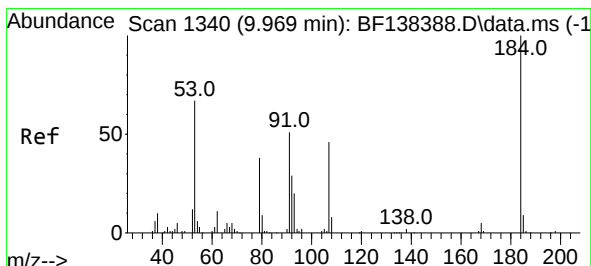
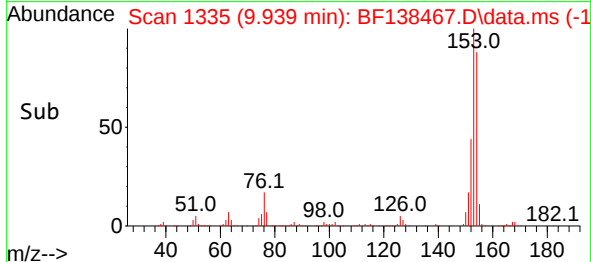
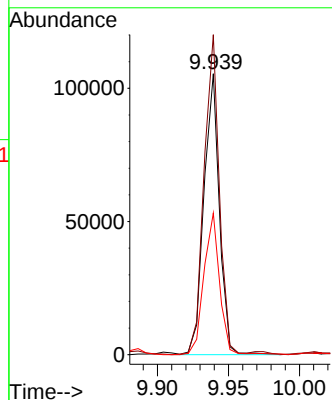
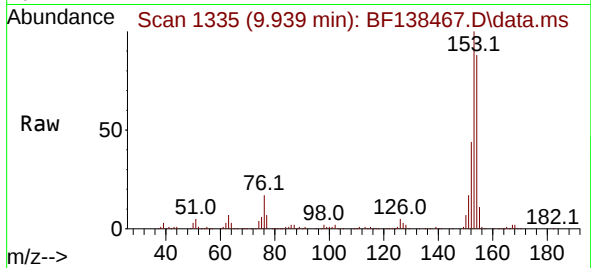




#52
Acenaphthene
Concen: 8.054 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138467.D
Acq: 05 Jul 2024 14:27

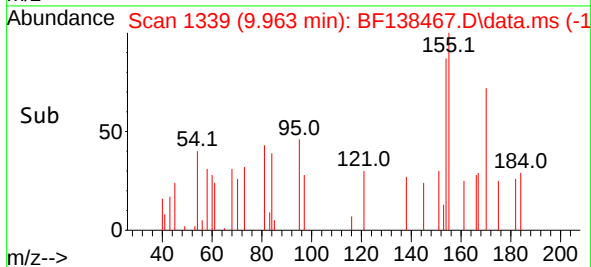
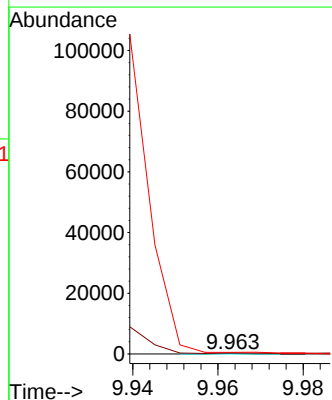
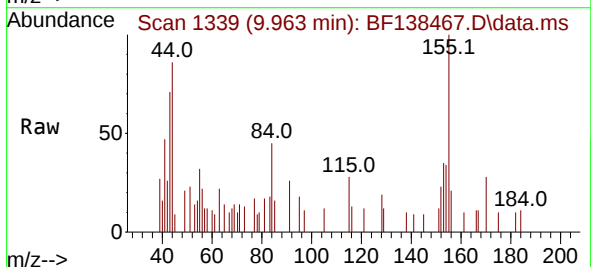
Instrument :
BNA_F
ClientSampleId :
MW12-20240625DL2

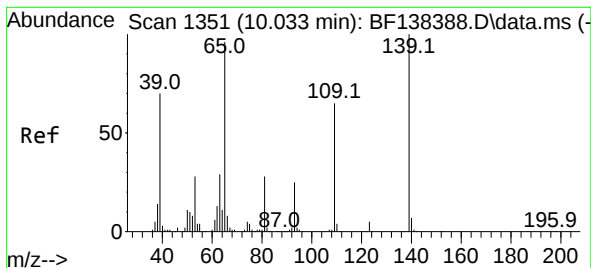
Tgt Ion:154 Resp: 80116
Ion Ratio Lower Upper
154 100
153 113.9 89.4 134.0
152 50.4 39.7 59.5



#54
2,4-Dinitrophenol
Concen: 8.983 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.006 min
Lab File: BF138467.D
Acq: 05 Jul 2024 14:27

Tgt Ion:184 Resp: 65
Ion Ratio Lower Upper
184 100
63 190.2 67.3 100.9#
154 303.3 51.0 76.4#

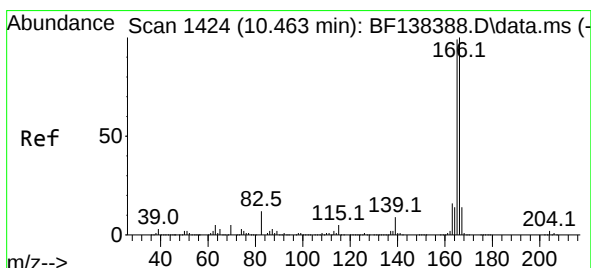
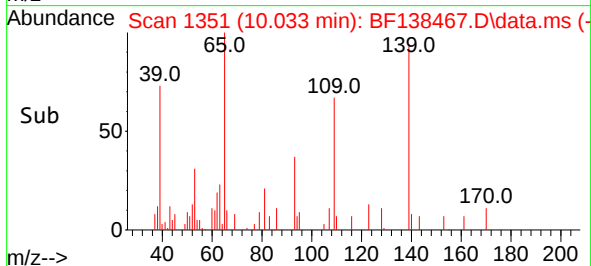
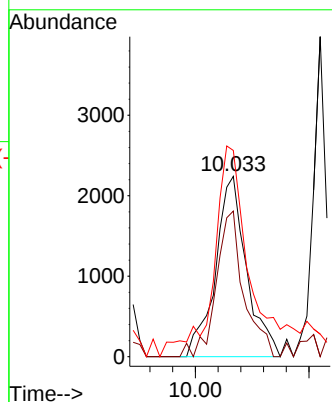
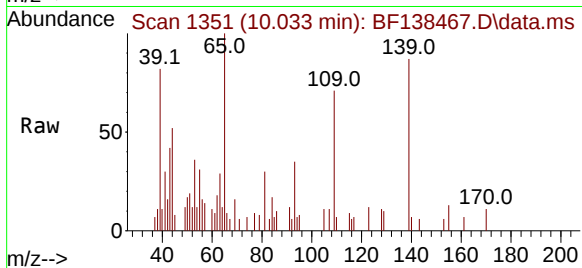




#56
4-Nitrophenol
Concen: 2.549 ng
RT: 10.033 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138467.D
Acq: 05 Jul 2024 14:27

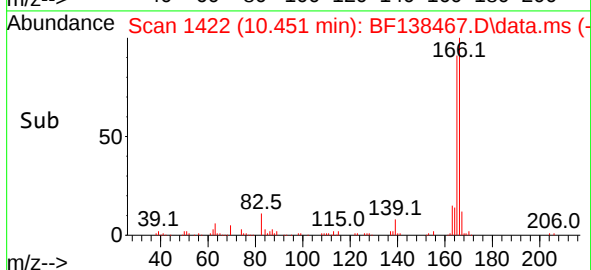
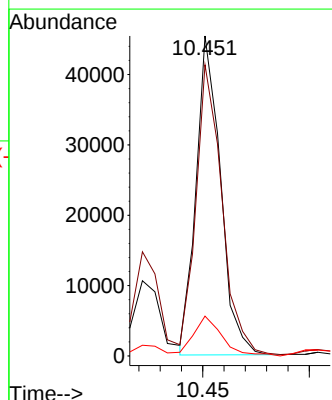
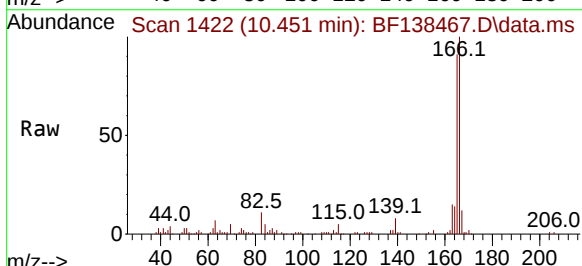
Instrument :
BNA_F
ClientSampleId :
MW12-20240625DL2

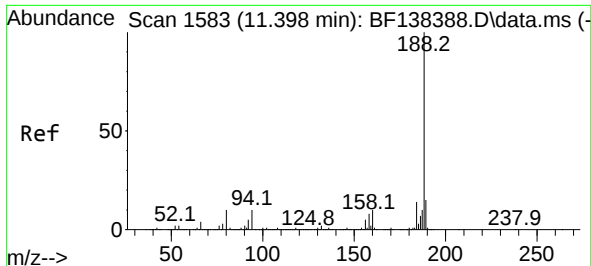
Tgt Ion:139 Resp: 4263
Ion Ratio Lower Upper
139 100
109 80.7 44.6 84.6
65 114.3 75.9 115.9



#58
Fluorene
Concen: 3.325 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF138467.D
Acq: 05 Jul 2024 14:27

Tgt Ion:166 Resp: 36212
Ion Ratio Lower Upper
166 100
165 91.0 79.0 118.6
167 12.5 10.8 16.2

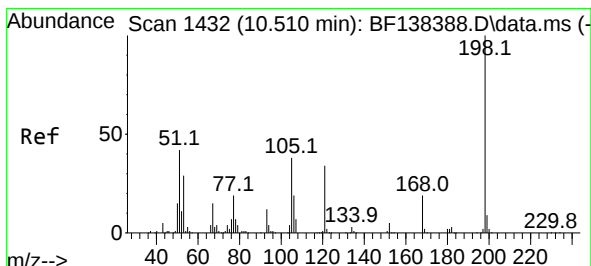
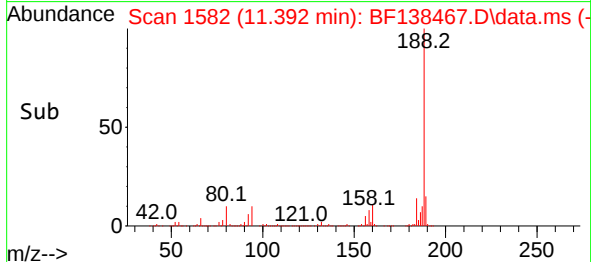
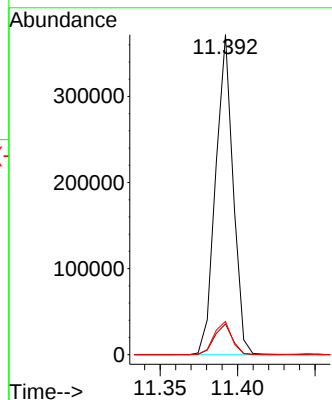
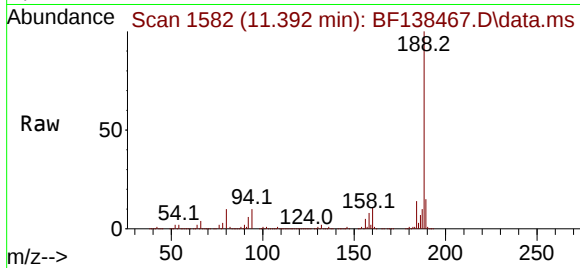




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138467.D
Acq: 05 Jul 2024 14:27

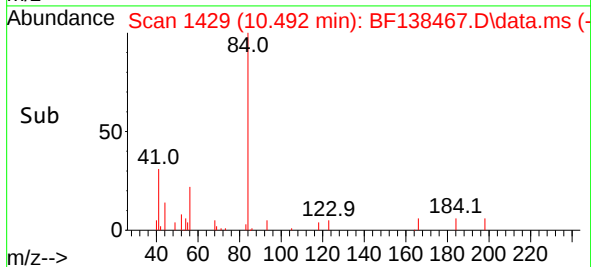
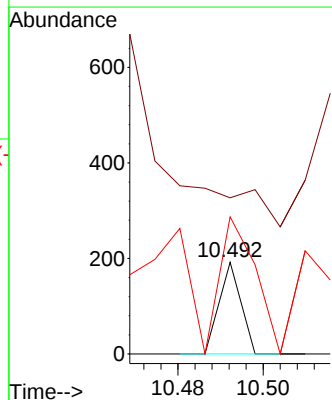
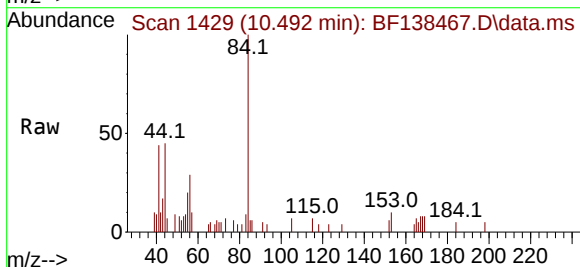
Instrument :
BNA_F
ClientSampleId :
MW12-20240625DL2

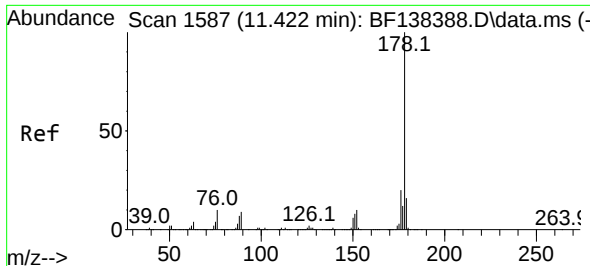
Tgt Ion:188 Resp: 291188
Ion Ratio Lower Upper
188 100
94 9.6 8.0 12.0
80 10.4 8.2 12.4



#65
4,6-Dinitro-2-methylphenol
Concen: 5.838 ng
RT: 10.492 min Scan# 1429
Delta R.T. -0.018 min
Lab File: BF138467.D
Acq: 05 Jul 2024 14:27

Tgt Ion:198 Resp: 68
Ion Ratio Lower Upper
198 100
51 170.3 27.9 67.9#
105 149.5 18.2 58.2#

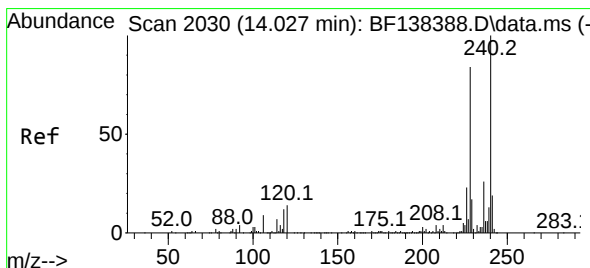
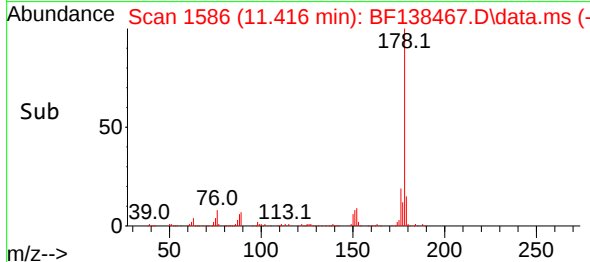
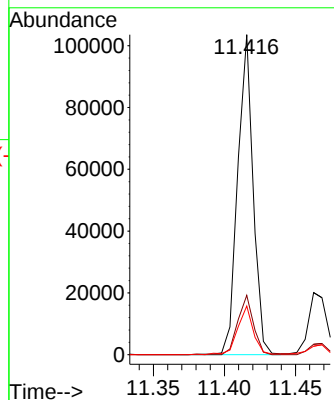
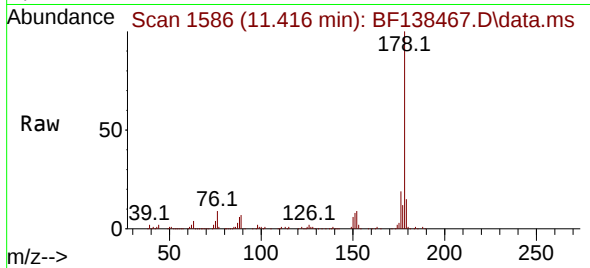




#71
Phenanthrene
Concen: 5.512 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF138467.D
Acq: 05 Jul 2024 14:27

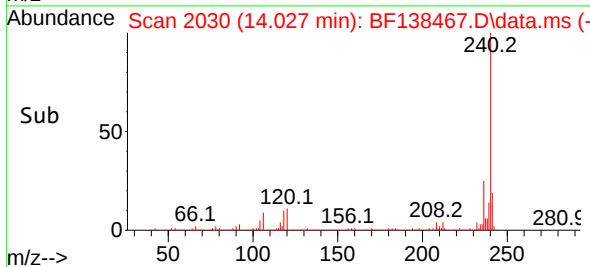
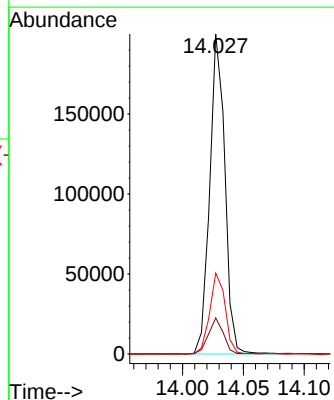
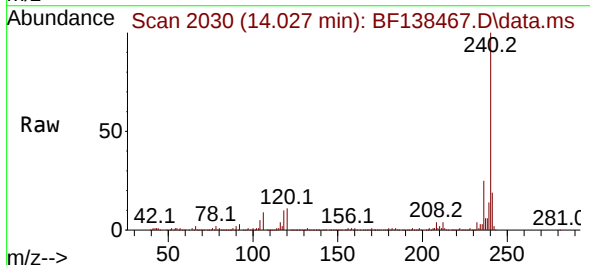
Instrument :
BNA_F
ClientSampleId :
MW12-20240625DL2

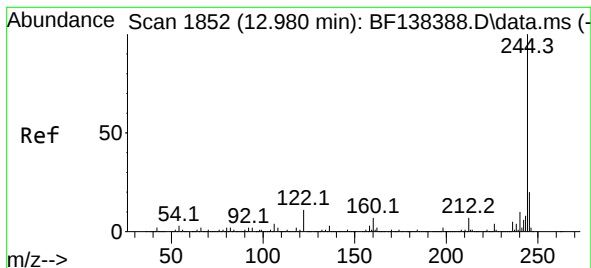
Tgt Ion:178 Resp: 78364
Ion Ratio Lower Upper
178 100
176 18.5 16.1 24.1
179 15.2 12.6 18.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF138467.D
Acq: 05 Jul 2024 14:27

Tgt Ion:240 Resp: 173018
Ion Ratio Lower Upper
240 100
120 11.2 10.9 16.3
236 25.3 20.6 30.8





#79

Terphenyl-d14

Concen: 9.148 ng

RT: 12.974 min Scan# 115492

Delta R.T. -0.006 min

Lab File: BF138467.D

Acq: 05 Jul 2024 14:27

Instrument :

BNA_F

ClientSampleId :

MW12-20240625DL2

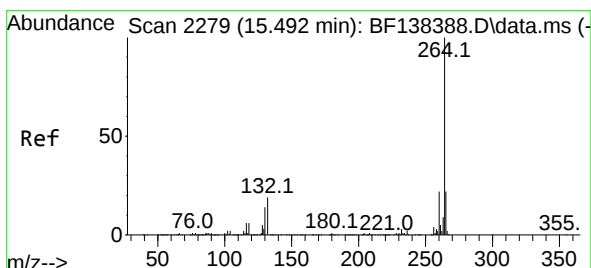
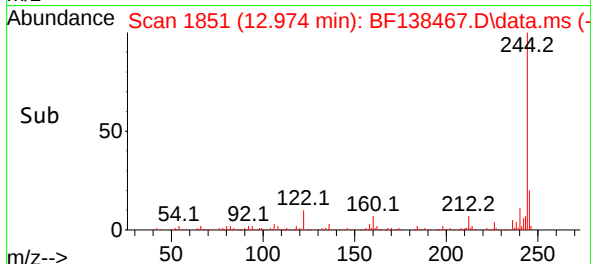
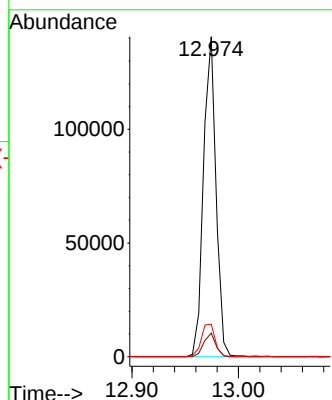
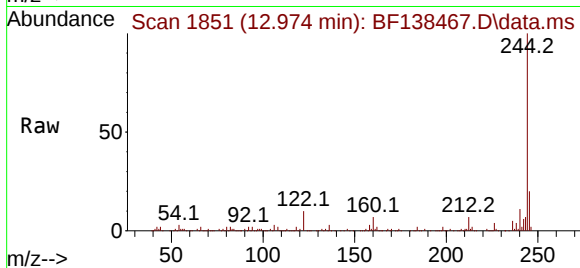
Tgt Ion:244 Resp: 115492

Ion Ratio Lower Upper

244 100

212 7.4 5.6 8.4

122 10.2 9.0 13.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 2280

Delta R.T. 0.006 min

Lab File: BF138467.D

Acq: 05 Jul 2024 14:27

Tgt Ion:264 Resp: 172152

Ion Ratio Lower Upper

264 100

260 23.8 17.8 26.6

265 20.8 17.5 26.3

