

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052324\
 Data File : BF138030.D
 Acq On : 23 May 2024 16:30
 Operator : CG\JU
 Sample : P2558-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Quant Time: May 23 16:51:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 15 04:12:16 2024
 Response via : Initial Calibration

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

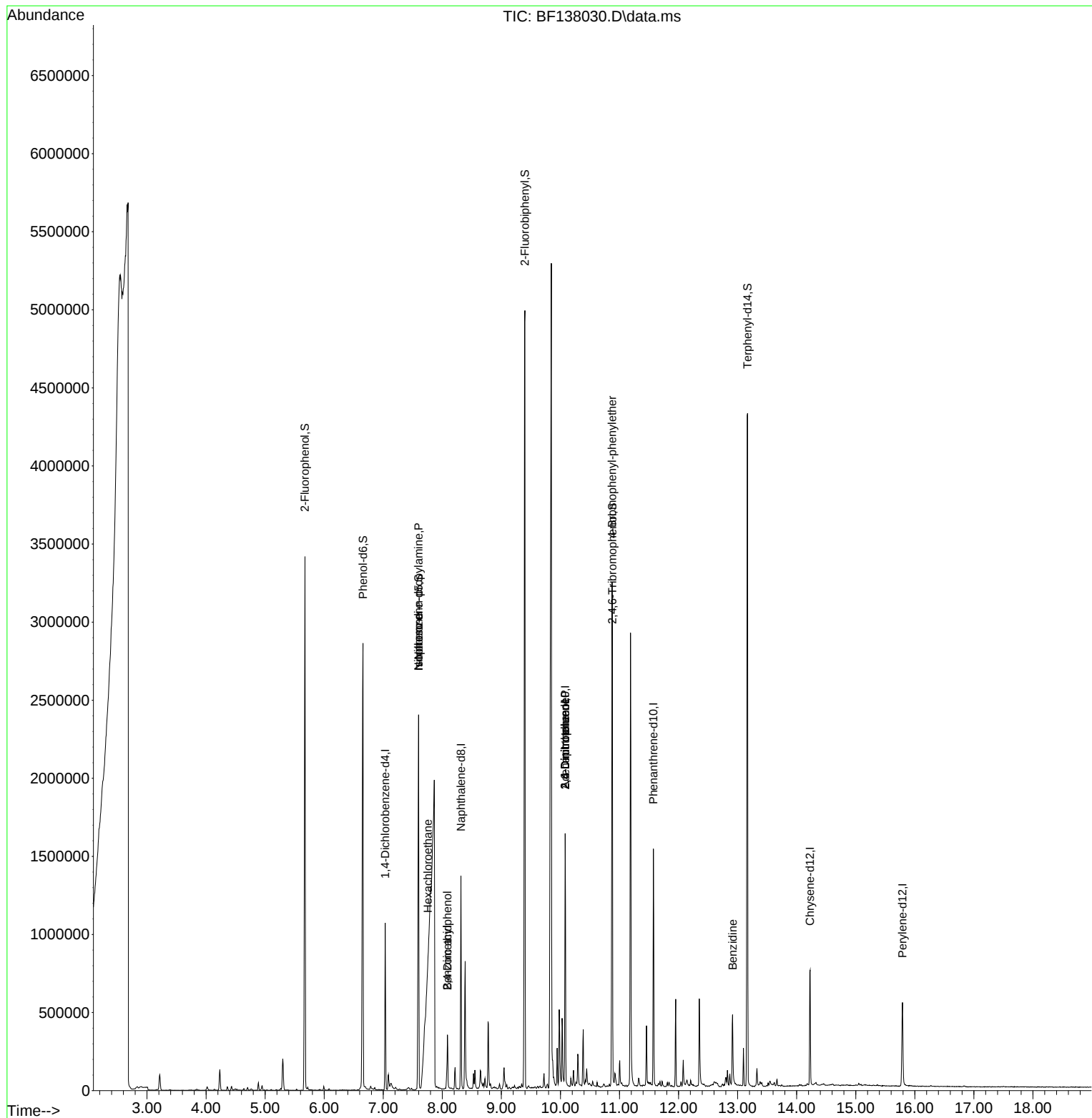
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.034	152	144012	20.000	ng	-0.01
21) Naphthalene-d8	8.316	136	563443	20.000	ng	-0.01
39) Acenaphthene-d10	10.080	164	315999	20.000	ng	0.00
64) Phenanthrene-d10	11.574	188	529293	20.000	ng	0.00
76) Chrysene-d12	14.227	240	270807	20.000	ng	0.00
86) Perylene-d12	15.792	264	281308	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.675	112	1020948	120.422	ng	0.01
7) Phenol-d6	6.657	99	1196468	114.565	ng	0.00
23) Nitrobenzene-d5	7.598	82	814313	85.053	ng	-0.01
42) 2,4,6-Tribromophenol	10.880	330	469315	147.296	ng	0.00
45) 2-Fluorobiphenyl	9.398	172	1768733	86.220	ng	0.00
79) Terphenyl-d14	13.168	244	1711385	93.138	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	7.757	117	8419	2.335	ng	# 1
19) n-Nitroso-di-n-propyla...	7.598	70	107917	18.392	ng	# 74
25) Isophorone	7.598	82	814298	49.005	ng	# 64
27) 2,4-Dimethylphenol	8.086	122	68231	10.859	ng	# 7
32) Benzoic acid	8.086	122	68231	12.846	ng	# 92
51) 2,6-Dinitrotoluene	10.080	165	42063	9.249	ng	# 30
54) 2,4-Dinitrophenol	10.080	184	207	7.044	ng	# 1
57) 2,4-Dinitrotoluene	10.080	165	42063	7.154	ng	# 34
67) 4-Bromophenyl-phenylether	10.875	248	30037	5.177	ng	# 1
77) Benzidine	12.916	184	206813	58.436	ng	# 99

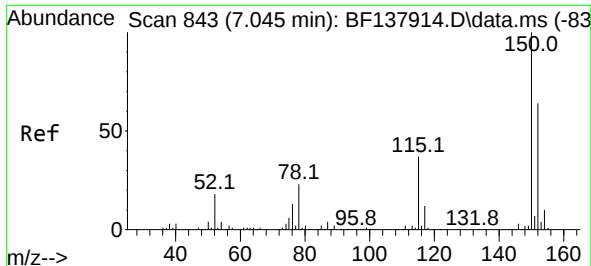
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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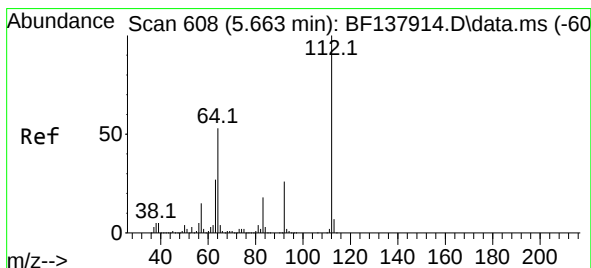
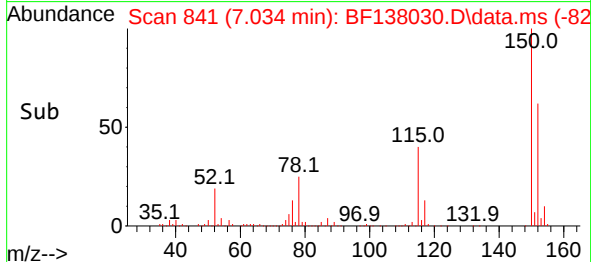
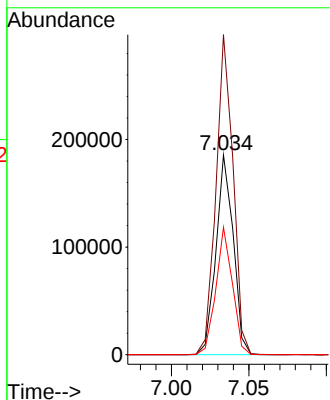
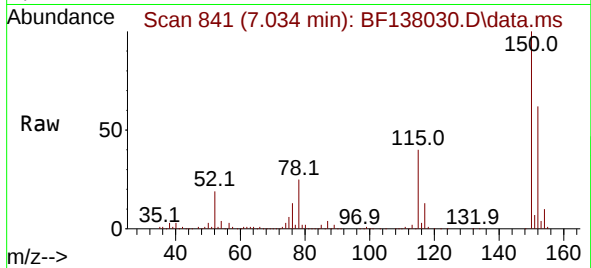




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.034 min Scan# 84
Delta R.T. -0.011 min
Lab File: BF138030.D
Acq: 23 May 2024 16:30

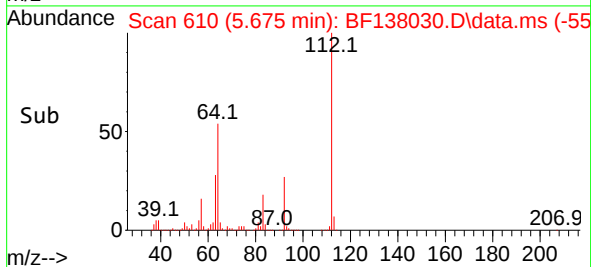
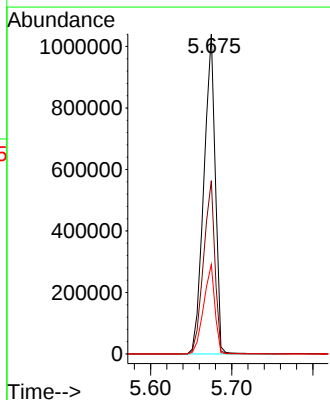
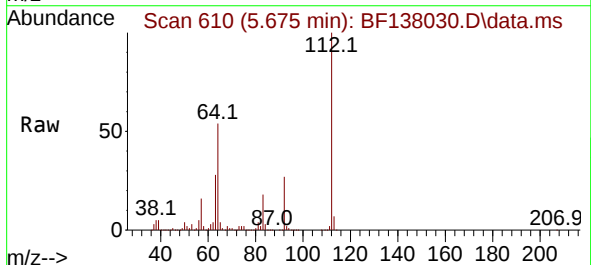
Instrument :
BNA_F
ClientSampleId :
COMP-1

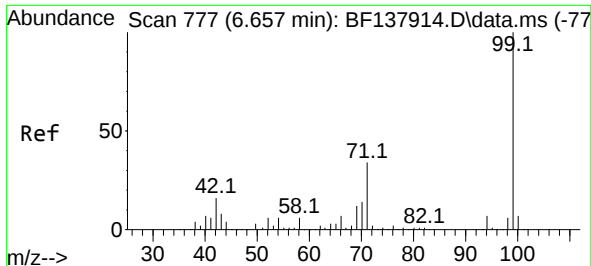
Tgt Ion:152 Resp: 144012
Ion Ratio Lower Upper
152 100
150 160.2 125.7 188.5
115 63.8 47.0 70.6



#5
2-Fluorophenol
Concen: 120.422 ng
RT: 5.675 min Scan# 610
Delta R.T. 0.012 min
Lab File: BF138030.D
Acq: 23 May 2024 16:30

Tgt Ion:112 Resp: 1020948
Ion Ratio Lower Upper
112 100
64 54.2 42.4 63.6
63 28.0 21.4 32.2



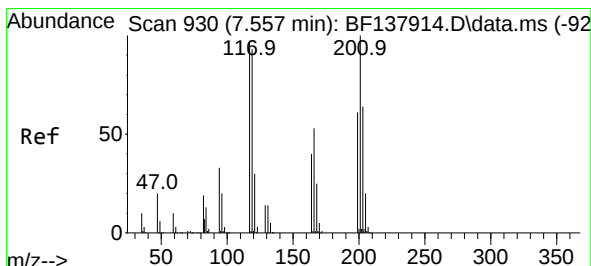
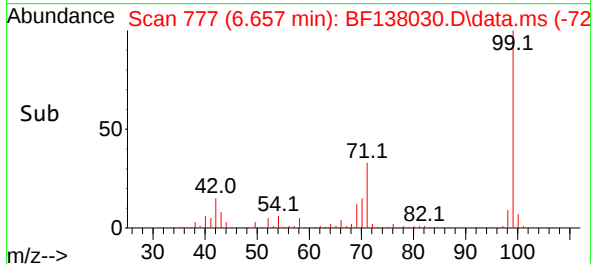
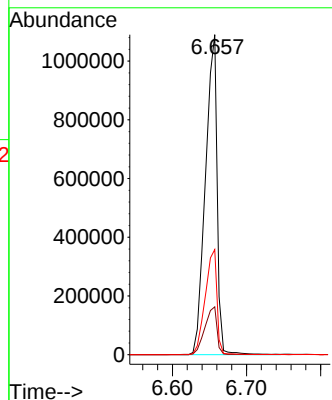
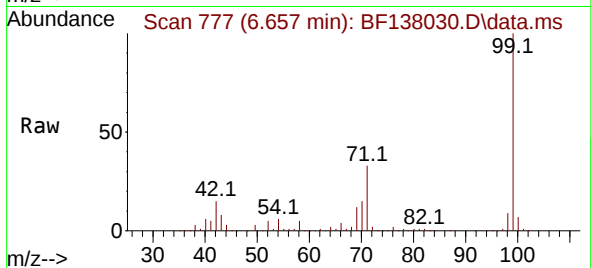


#7
Phenol-d6
Concen: 114.565 ng
RT: 6.657 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF138030.D
Acq: 23 May 2024 16:30

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion: 99 Resp: 1196468

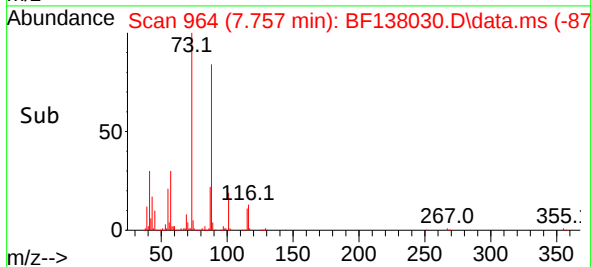
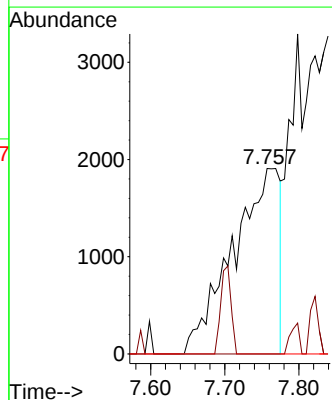
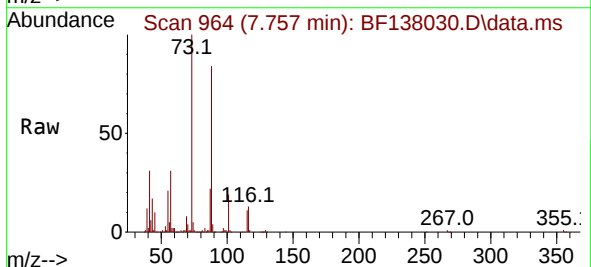
Ion	Ratio	Lower	Upper
99	100		
42	15.0	12.6	18.8
71	32.8	27.1	40.7

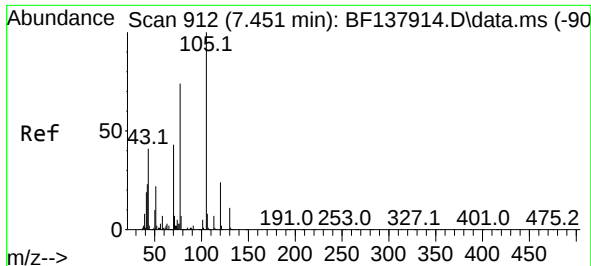


#18
Hexachloroethane
Concen: 2.335 ng
RT: 7.757 min Scan# 964
Delta R.T. 0.200 min
Lab File: BF138030.D
Acq: 23 May 2024 16:30

Tgt Ion: 117 Resp: 8419

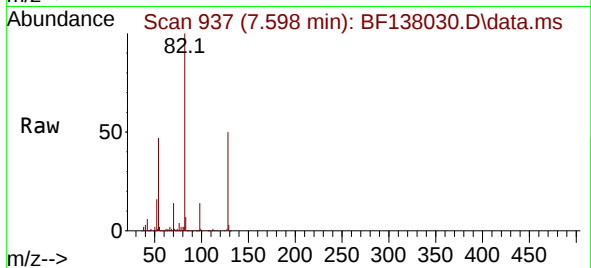
Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.8	115.2#
201	0.0	82.7	124.1#



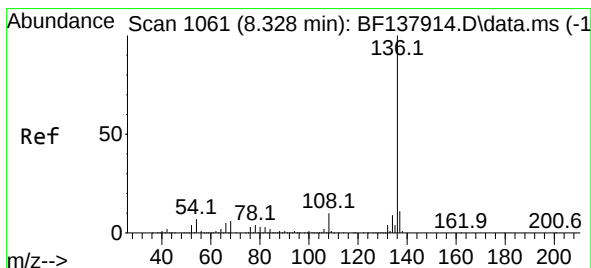
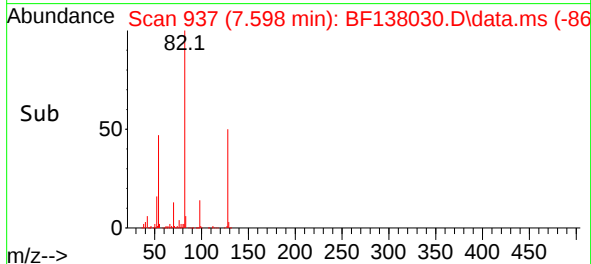
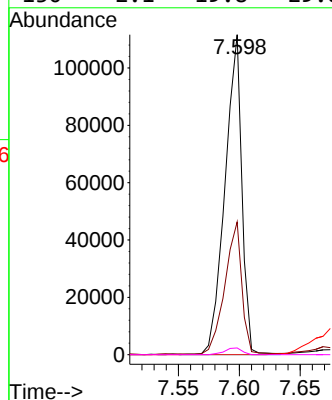


#19
n-Nitroso-di-n-propylamine
Concen: 18.392 ng
RT: 7.598 min Scan# 91
Delta R.T. 0.147 min
Lab File: BF138030.D
Acq: 23 May 2024 16:30

Instrument :
BNA_F
ClientSampleId :
COMP-1

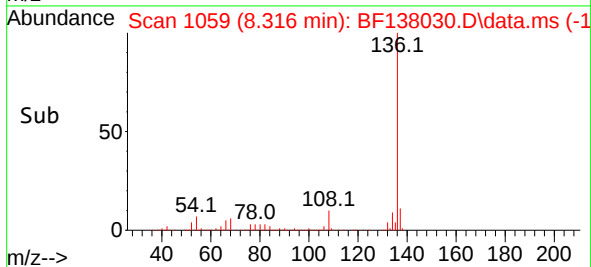
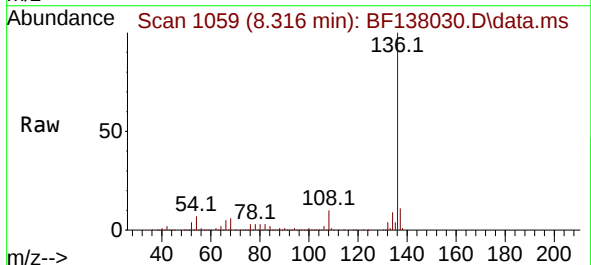
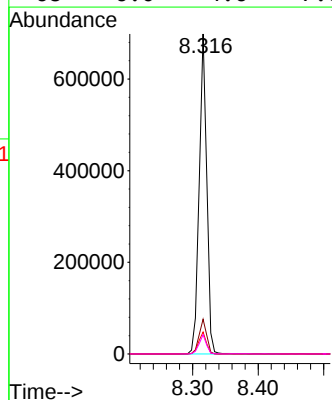


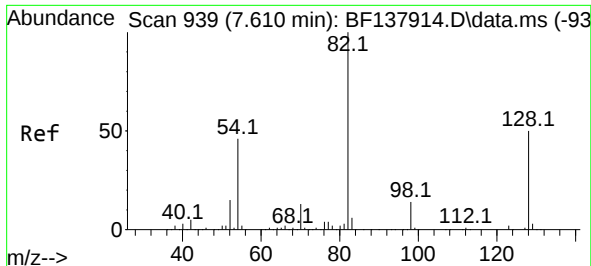
Tgt Ion: 70 Resp: 107917
Ion Ratio Lower Upper
70 100
42 41.5 42.2 63.4#
101 0.0 8.8 13.2#
130 2.1 19.8 29.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.012 min
Lab File: BF138030.D
Acq: 23 May 2024 16:30

Tgt Ion: 136 Resp: 563443
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 6.9 5.4 8.2
68 6.0 4.6 7.0





#23

Nitrobenzene-d5

Concen: 85.053 ng

RT: 7.598 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF138030.D

Acq: 23 May 2024 16:30

Instrument :

BNA_F

ClientSampleId :

COMP-1

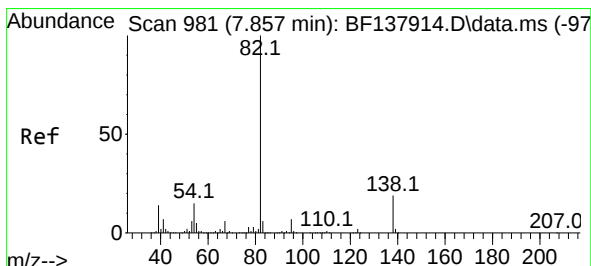
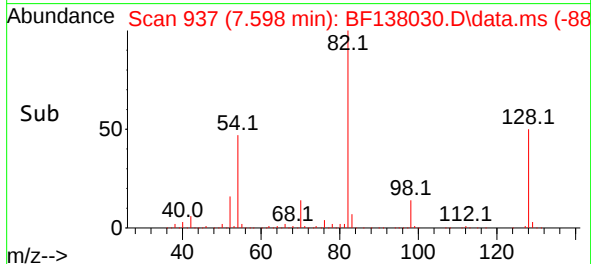
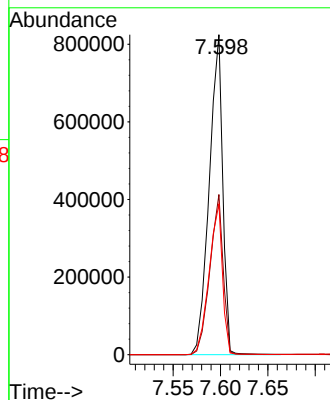
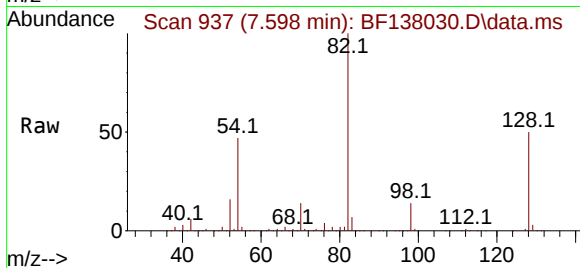
Tgt Ion: 82 Resp: 814313

Ion Ratio Lower Upper

82 100

128 50.1 40.3 60.5

54 47.1 36.8 55.2



#25

Isophorone

Concen: 49.005 ng

RT: 7.598 min Scan# 937

Delta R.T. -0.259 min

Lab File: BF138030.D

Acq: 23 May 2024 16:30

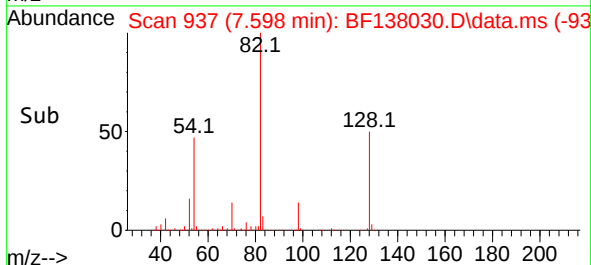
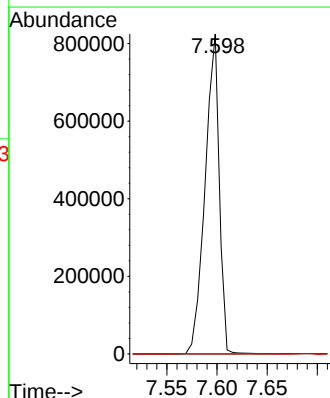
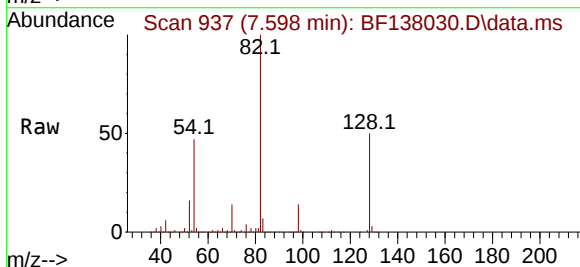
Tgt Ion: 82 Resp: 814298

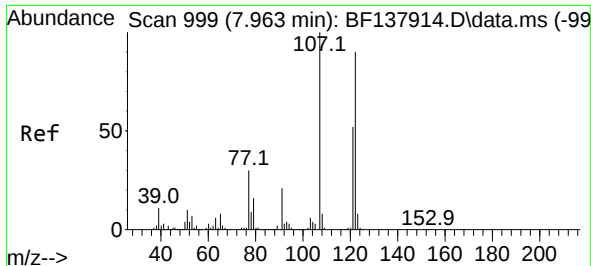
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 15.0 22.4#

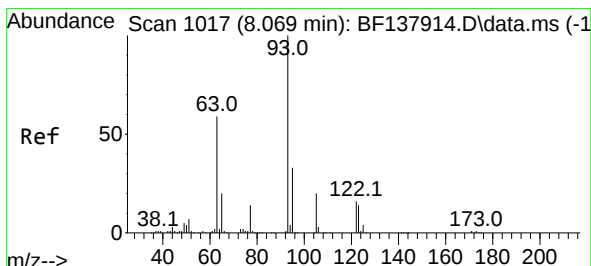
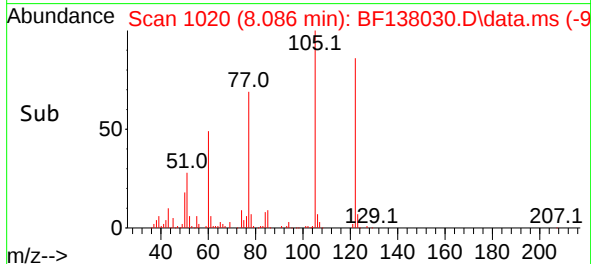
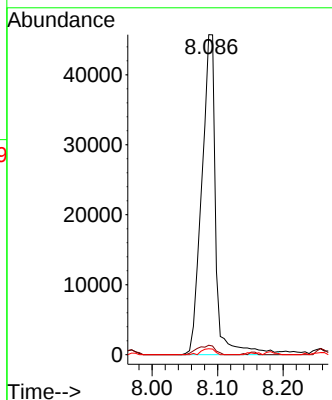
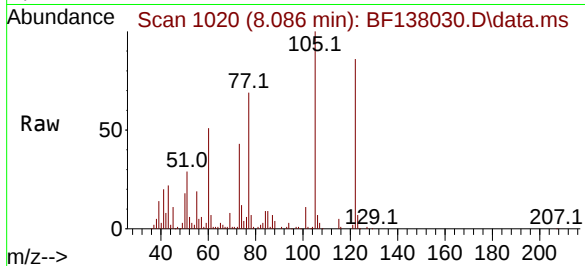




#27
2,4-Dimethylphenol
Concen: 10.859 ng
RT: 8.086 min Scan# 1020
Delta R.T. 0.124 min
Lab File: BF138030.D
Acq: 23 May 2024 16:30

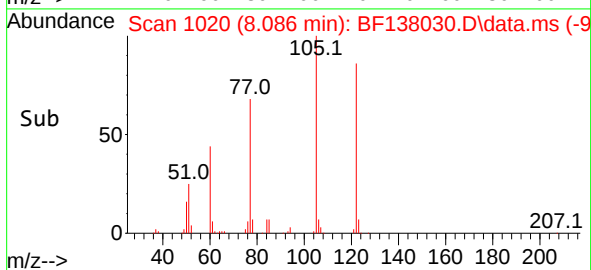
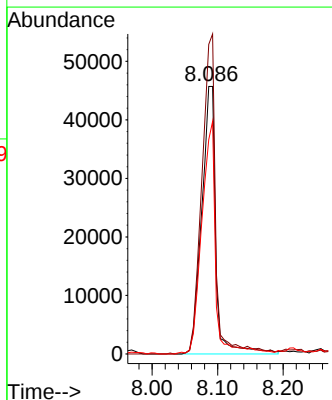
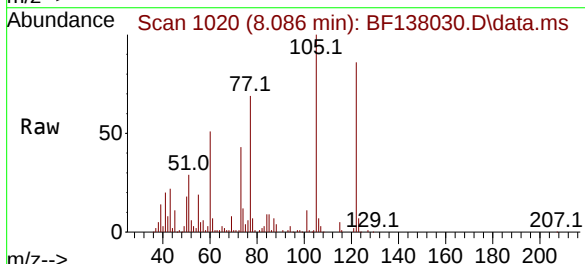
Instrument :
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ClientSampleId :
COMP-1

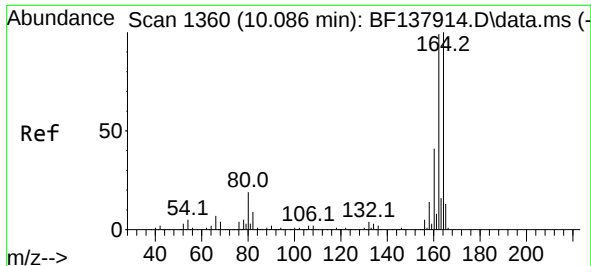
Tgt Ion:122 Resp: 68231
Ion Ratio Lower Upper
122 100
107 2.9 89.0 133.4#
121 1.9 46.2 69.4#



#32
Benzoic acid
Concen: 12.846 ng
RT: 8.086 min Scan# 1020
Delta R.T. 0.017 min
Lab File: BF138030.D
Acq: 23 May 2024 16:30

Tgt Ion:122 Resp: 68231
Ion Ratio Lower Upper
122 100
105 115.7 103.8 143.8
77 80.1 68.4 108.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.080 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138030.D

Acq: 23 May 2024 16:30

Instrument :

BNA_F

ClientSampleId :

COMP-1

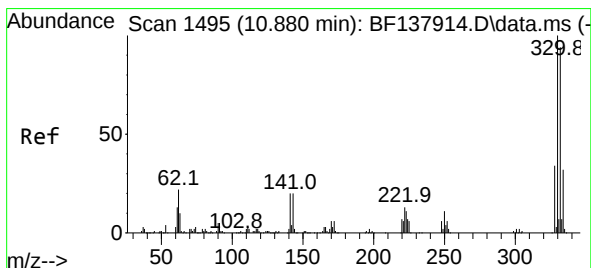
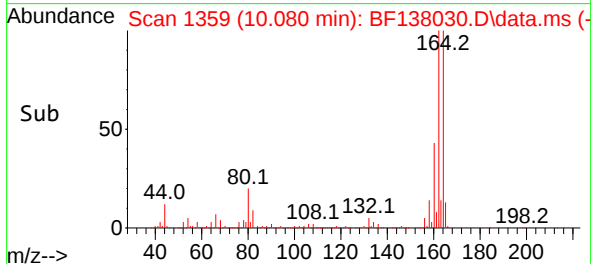
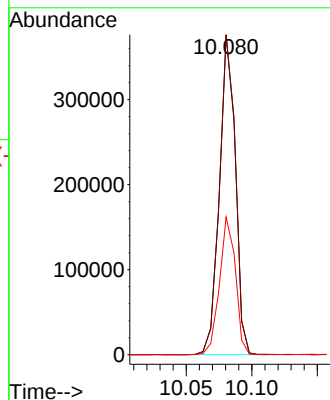
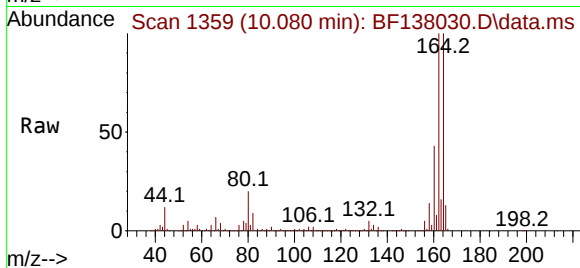
Tgt Ion:164 Resp: 315999

Ion Ratio Lower Upper

164 100

162 100.3 79.4 119.2

160 43.1 33.1 49.7



#42

2,4,6-Tribromophenol

Concen: 147.296 ng

RT: 10.880 min Scan# 1495

Delta R.T. 0.000 min

Lab File: BF138030.D

Acq: 23 May 2024 16:30

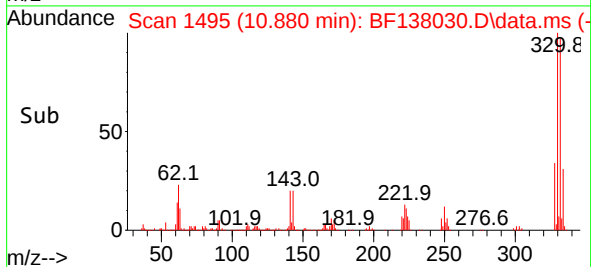
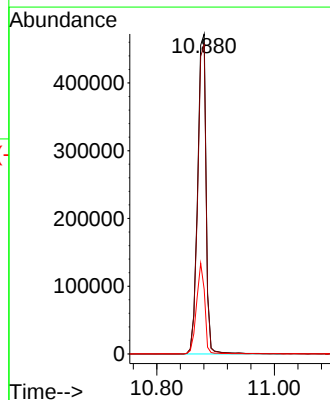
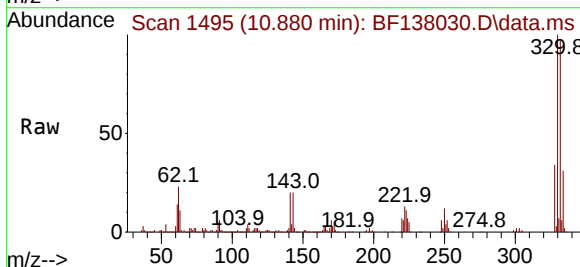
Tgt Ion:330 Resp: 469315

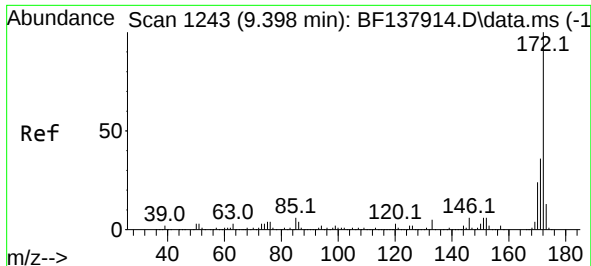
Ion Ratio Lower Upper

330 100

332 96.0 75.8 113.8

141 27.6 23.8 35.6





#45

2-Fluorobiphenyl

Concen: 86.220 ng

RT: 9.398 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF138030.D

Acq: 23 May 2024 16:30

Instrument :

BNA_F

ClientSampleId :

COMP-1

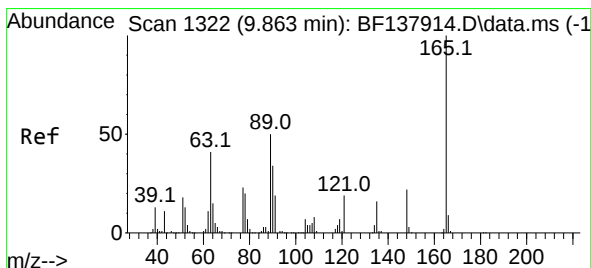
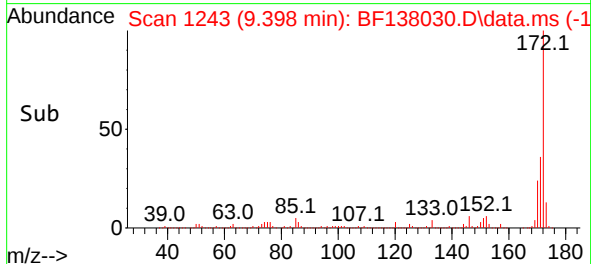
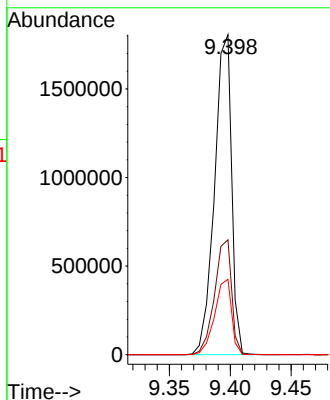
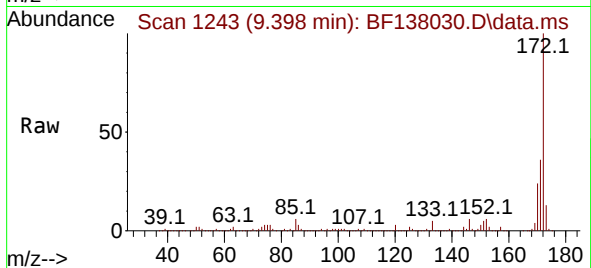
Tgt Ion:172 Resp: 1768733

Ion Ratio Lower Upper

172 100

171 35.9 28.9 43.3

170 23.6 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 9.249 ng

RT: 10.080 min Scan# 1359

Delta R.T. 0.218 min

Lab File: BF138030.D

Acq: 23 May 2024 16:30

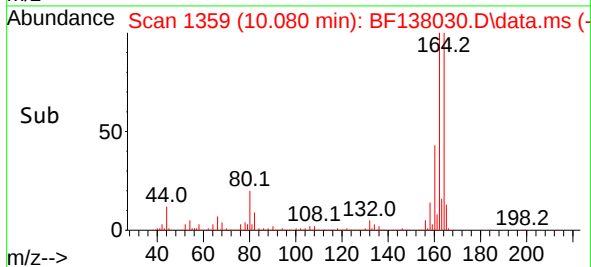
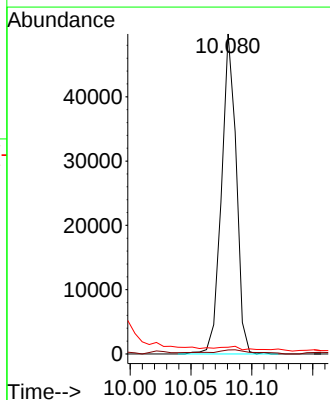
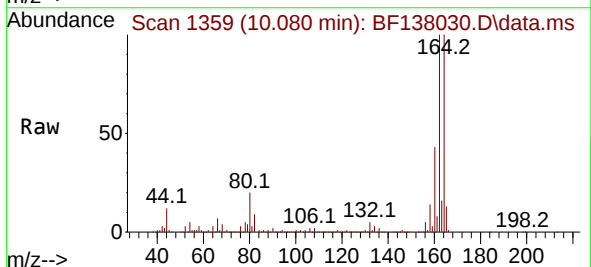
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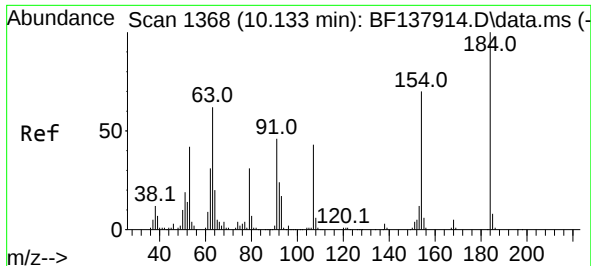
Ion Ratio Lower Upper

165 100

63 1.3 38.9 58.3#

89 2.1 40.4 60.6#

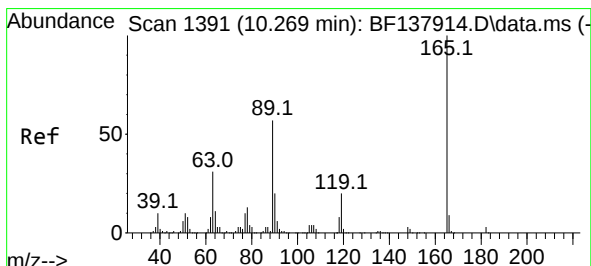
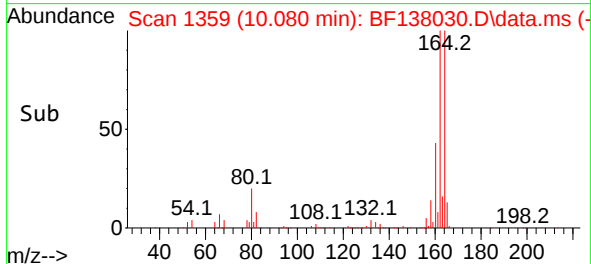
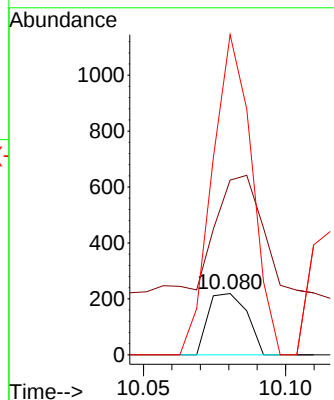
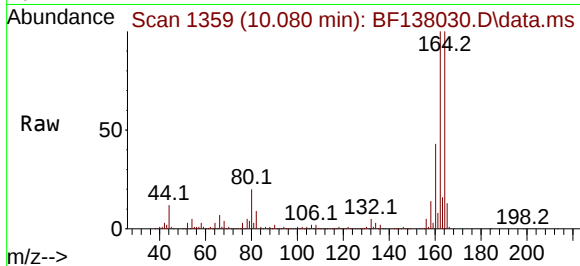




#54
2,4-Dinitrophenol
Concen: 7.044 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.053 min
Lab File: BF138030.D
Acq: 23 May 2024 16:30

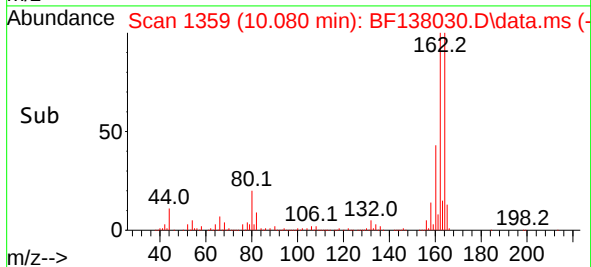
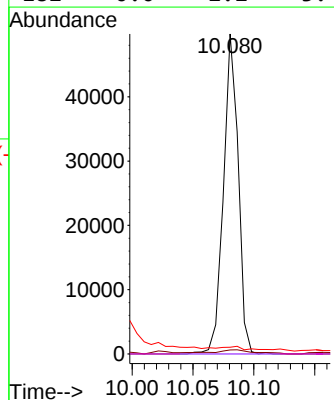
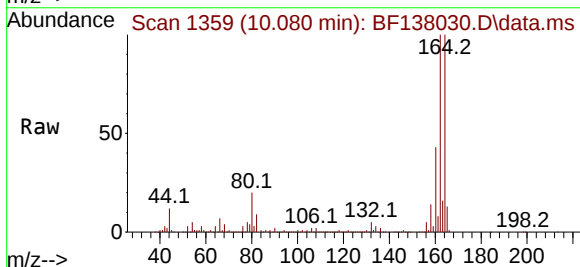
Instrument :
BNA_F
ClientSampleId :
COMP-1

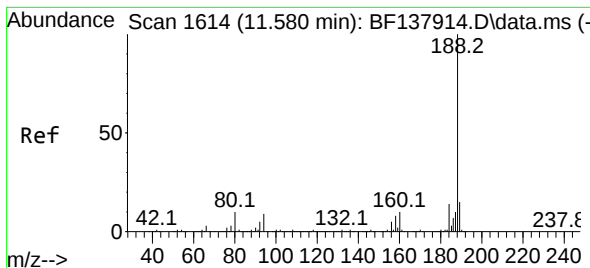
Tgt Ion:184 Resp: 207
Ion Ratio Lower Upper
184 100
63 285.4 50.4 75.6#
154 522.8 63.7 95.5#



#57
2,4-Dinitrotoluene
Concen: 7.154 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.188 min
Lab File: BF138030.D
Acq: 23 May 2024 16:30

Tgt Ion:165 Resp: 42063
Ion Ratio Lower Upper
165 100
63 1.3 25.3 37.9#
89 2.1 45.9 68.9#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.574 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138030.D

Acq: 23 May 2024 16:30

Instrument :

BNA_F

ClientSampleId :

COMP-1

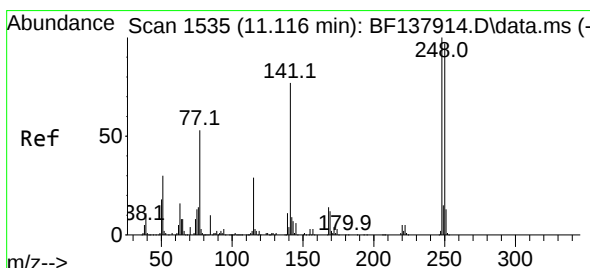
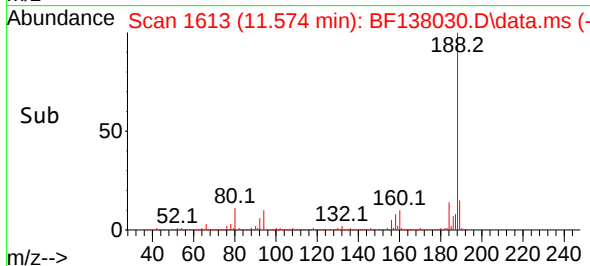
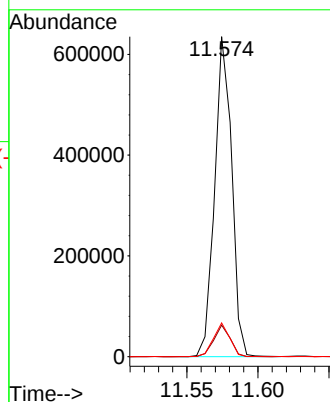
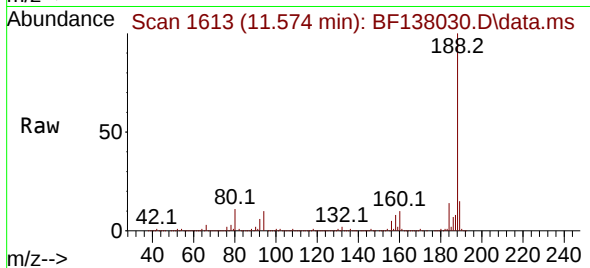
Tgt Ion:188 Resp: 529293

Ion Ratio Lower Upper

188 100

94 9.8 7.0 10.4

80 10.5 7.7 11.5



#67

4-Bromophenyl-phenylether

Concen: 5.177 ng

RT: 10.875 min Scan# 1494

Delta R.T. -0.241 min

Lab File: BF138030.D

Acq: 23 May 2024 16:30

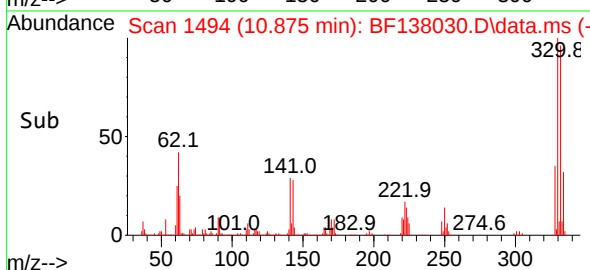
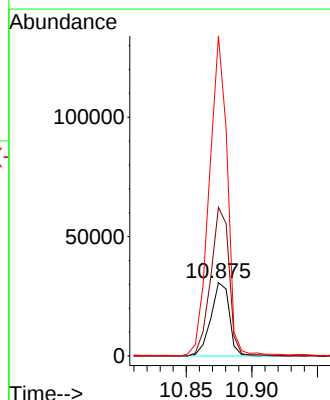
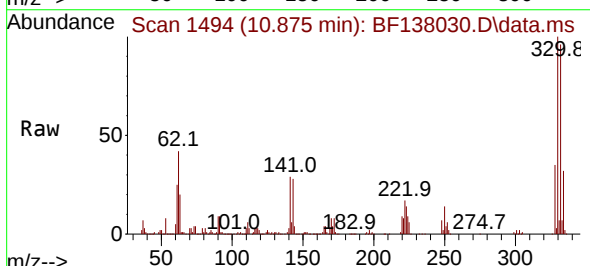
Tgt Ion:248 Resp: 30037

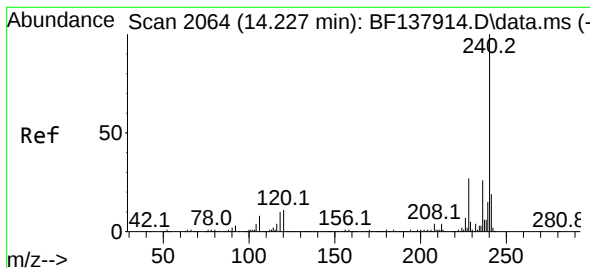
Ion Ratio Lower Upper

248 100

250 202.9 77.6 116.4#

141 436.5 61.4 92.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.227 min Scan# 2064

Delta R.T. 0.000 min

Lab File: BF138030.D

Acq: 23 May 2024 16:30

Instrument :

BNA_F

ClientSampleId :

COMP-1

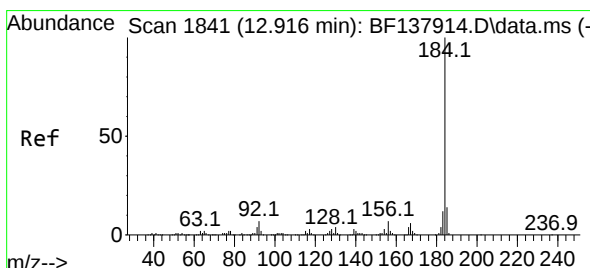
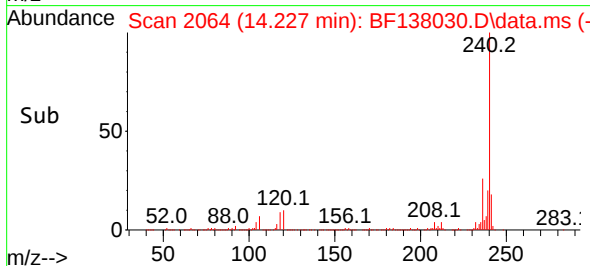
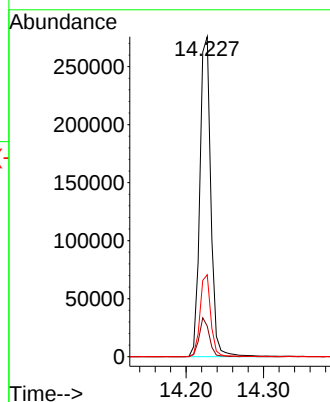
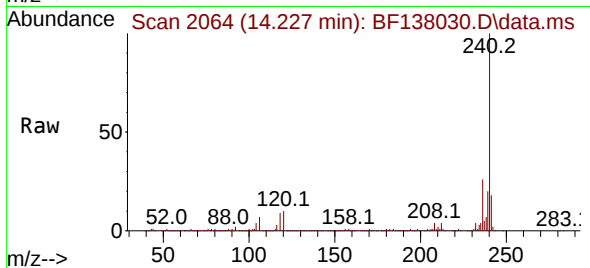
Tgt Ion:240 Resp: 270807

Ion Ratio Lower Upper

240 100

120 9.5 8.9 13.3

236 25.6 21.0 31.4



#77

Benzidine

Concen: 58.436 ng

RT: 12.916 min Scan# 1841

Delta R.T. -0.000 min

Lab File: BF138030.D

Acq: 23 May 2024 16:30

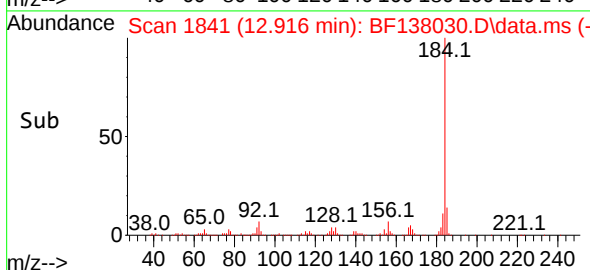
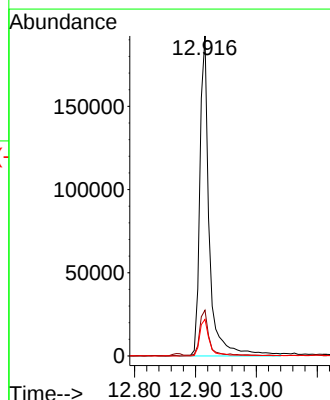
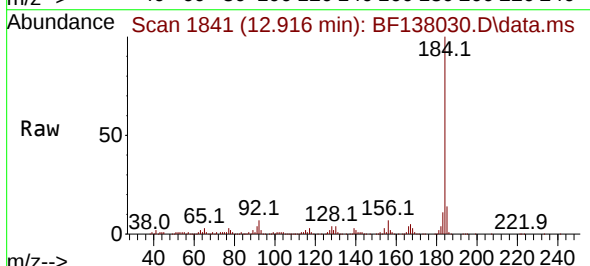
Tgt Ion:184 Resp: 206813

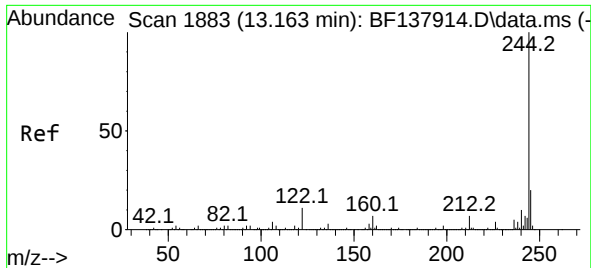
Ion Ratio Lower Upper

184 100

185 14.3 11.4 17.2

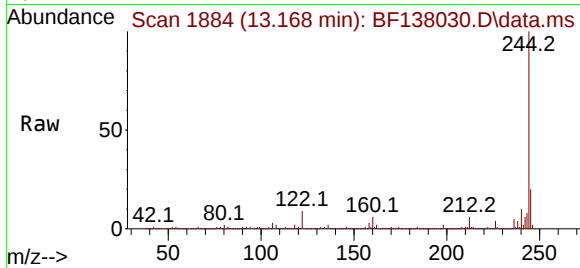
183 11.5 9.5 14.3



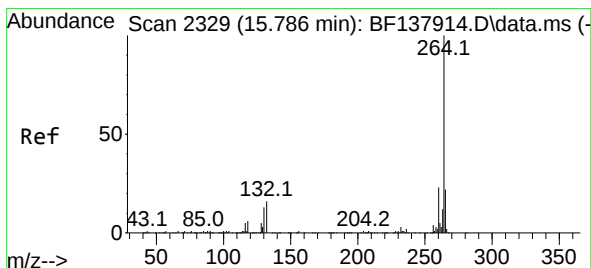
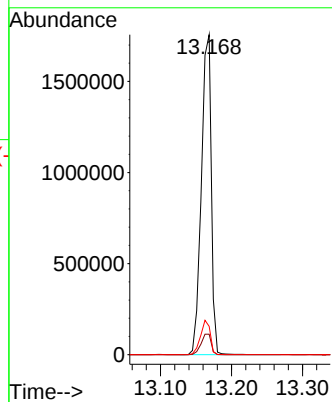
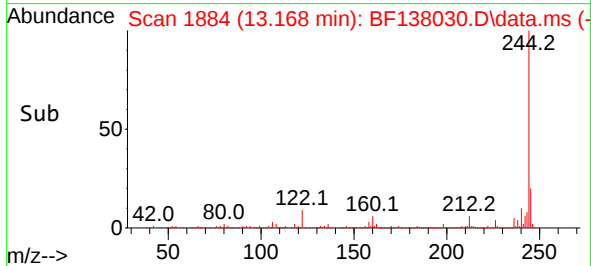


#79
 Terphenyl-d14
 Concen: 93.138 ng
 RT: 13.168 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF138030.D
 Acq: 23 May 2024 16:30

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1



Tgt Ion:244 Resp: 1711385
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 8.9 8.8 13.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.792 min Scan# 2330
 Delta R.T. 0.006 min
 Lab File: BF138030.D
 Acq: 23 May 2024 16:30

Tgt Ion:264 Resp: 281308
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.3 27.5
 265 21.5 17.6 26.4

