

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052324\
 Data File : BF138034.D
 Acq On : 23 May 2024 18:31
 Operator : CG\JU
 Sample : P2580-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-052224

Quant Time: May 24 01:26:04 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)

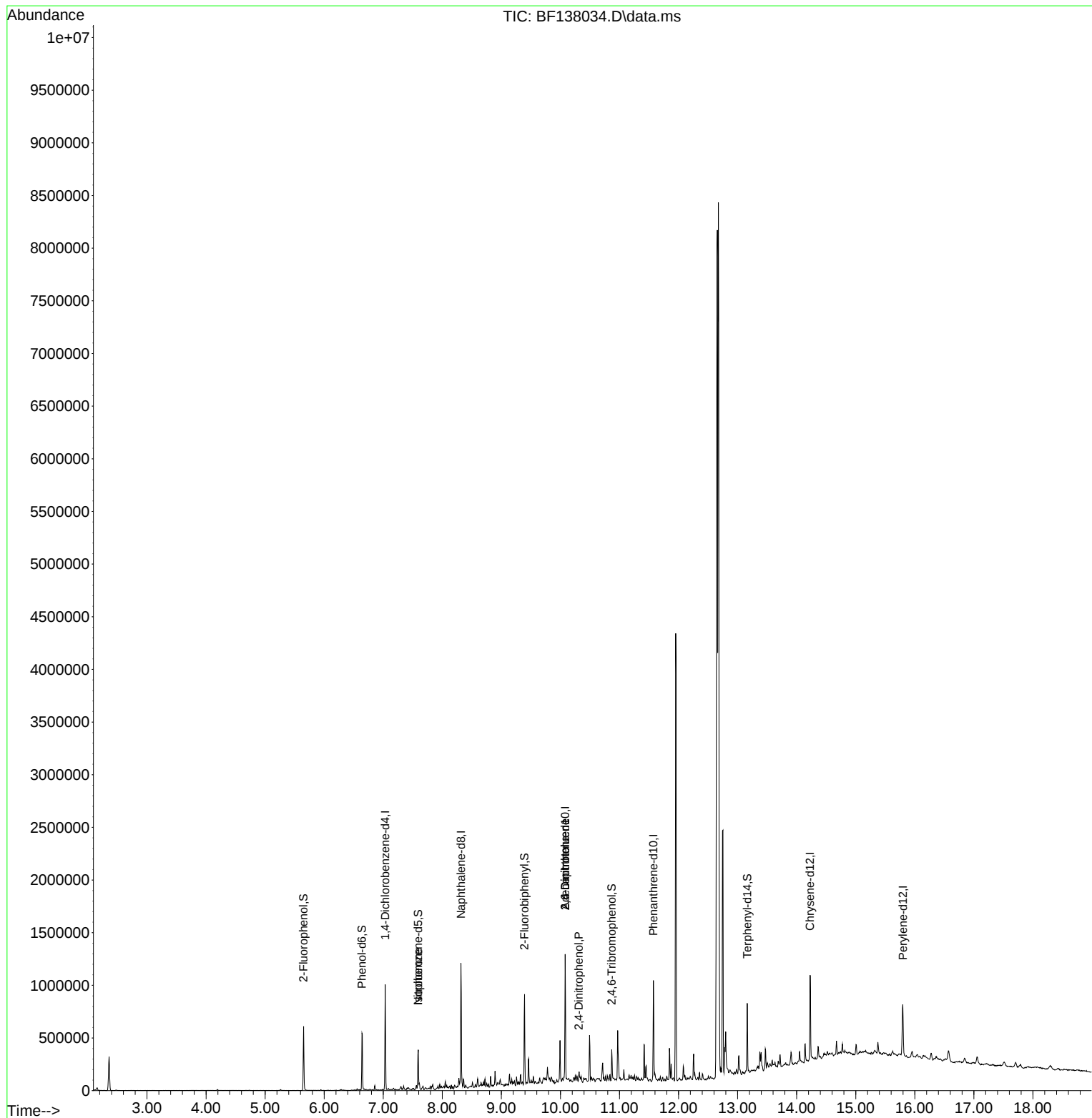
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.034	152	136117	20.000	ng	-0.01
21) Naphthalene-d8	8.316	136	484051	20.000	ng	-0.01
39) Acenaphthene-d10	10.080	164	239180	20.000	ng	0.00
64) Phenanthrene-d10	11.574	188	344568	20.000	ng	0.00
76) Chrysene-d12	14.227	240	262407	20.000	ng	0.00
86) Perylene-d12	15.798	264	205586	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.651	112	164109	20.480	ng	-0.01
7) Phenol-d6	6.639	99	203414	20.607	ng	-0.02
23) Nitrobenzene-d5	7.592	82	117186	14.247	ng	-0.02
42) 2,4,6-Tribromophenol	10.869	330	37971	15.745	ng	-0.01
45) 2-Fluorobiphenyl	9.392	172	255200	16.436	ng	0.00
79) Terphenyl-d14	13.163	244	217126	12.195	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.592	82	117186	8.209	ng	# 64
51) 2,6-Dinitrotoluene	10.080	165	33518	9.737	ng	# 29
54) 2,4-Dinitrophenol	10.310	184	53	6.994	ng	# 1
57) 2,4-Dinitrotoluene	10.080	165	33518	7.532	ng	# 33

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

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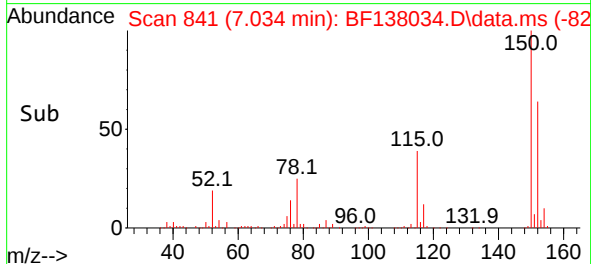
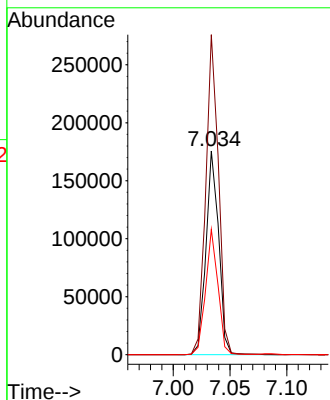
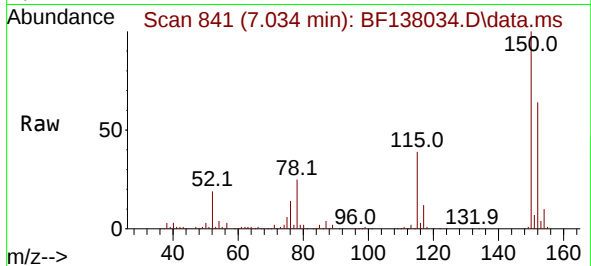




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.034 min Scan# 841
Delta R.T. -0.011 min
Lab File: BF138034.D
Acq: 23 May 2024 18:31

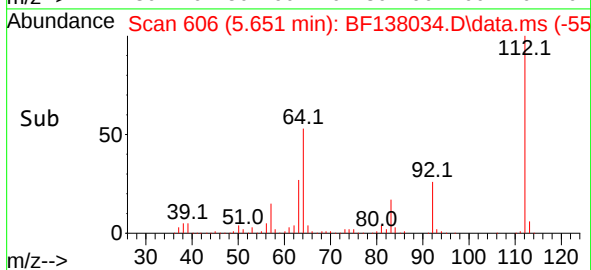
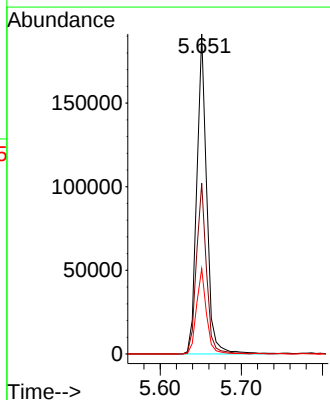
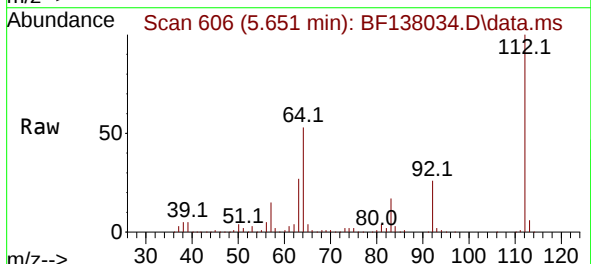
Instrument :
BNA_F
ClientSampleId :
TR-05-052224

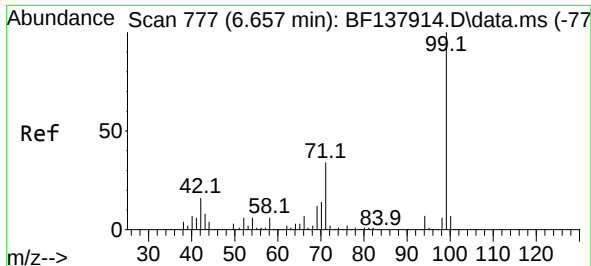
Tgt Ion:152 Resp: 136117
Ion Ratio Lower Upper
152 100
150 157.1 125.7 188.5
115 61.5 47.0 70.6



#5
2-Fluorophenol
Concen: 20.480 ng
RT: 5.651 min Scan# 606
Delta R.T. -0.012 min
Lab File: BF138034.D
Acq: 23 May 2024 18:31

Tgt Ion:112 Resp: 164109
Ion Ratio Lower Upper
112 100
64 53.4 42.4 63.6
63 26.7 21.4 32.2

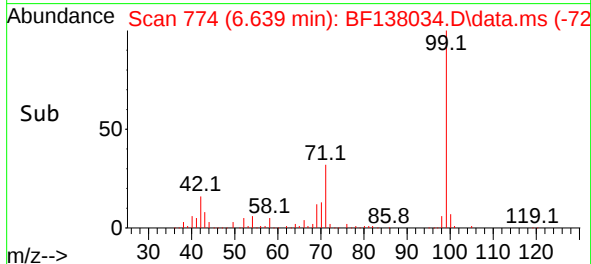
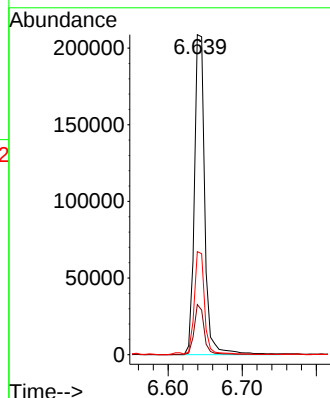
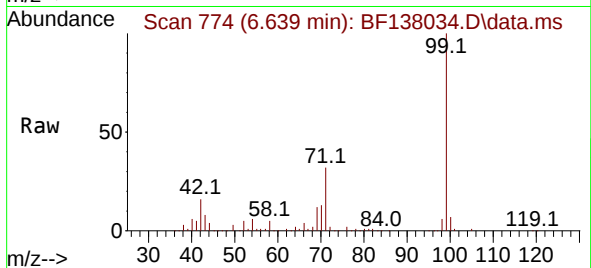




#7
Phenol-d6
Concen: 20.607 ng
RT: 6.639 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF138034.D
Acq: 23 May 2024 18:31

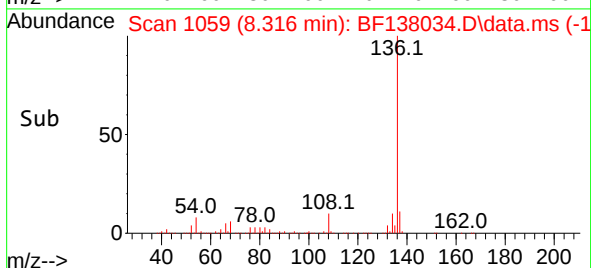
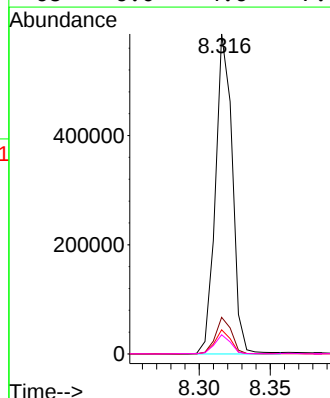
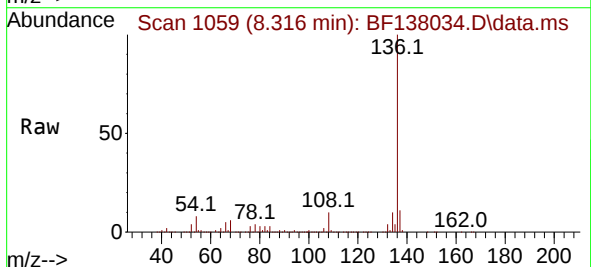
Instrument :
BNA_F
ClientSampleId :
TR-05-052224

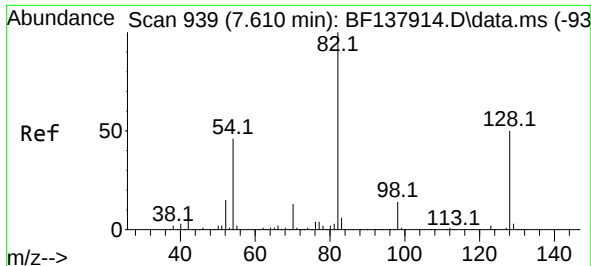
Tgt Ion: 99 Resp: 203414
Ion Ratio Lower Upper
99 100
42 15.7 12.6 18.8
71 32.2 27.1 40.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.012 min
Lab File: BF138034.D
Acq: 23 May 2024 18:31

Tgt Ion: 136 Resp: 484051
Ion Ratio Lower Upper
136 100
137 11.4 8.7 13.1
54 7.6 5.4 8.2
68 6.0 4.6 7.0





#23

Nitrobenzene-d5

Concen: 14.247 ng

RT: 7.592 min Scan# 91

Delta R.T. -0.018 min

Lab File: BF138034.D

Acq: 23 May 2024 18:31

Instrument :

BNA_F

ClientSampleId :

TR-05-052224

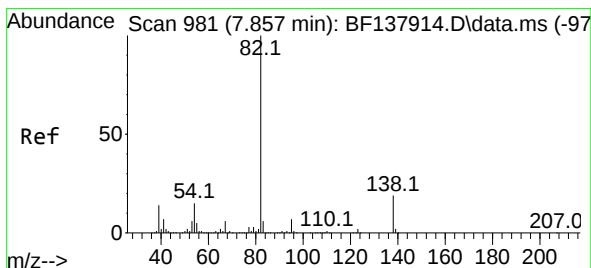
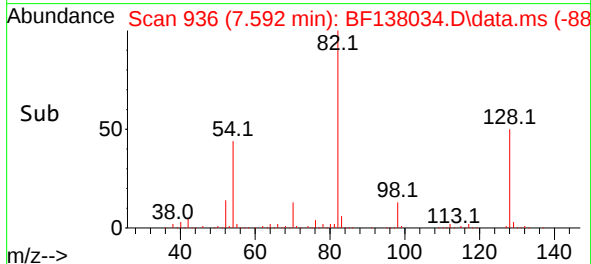
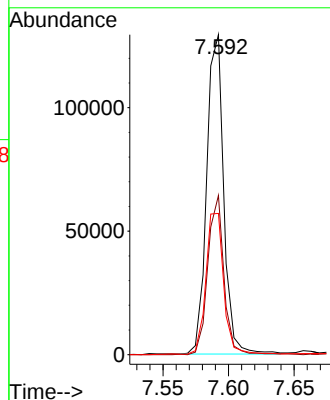
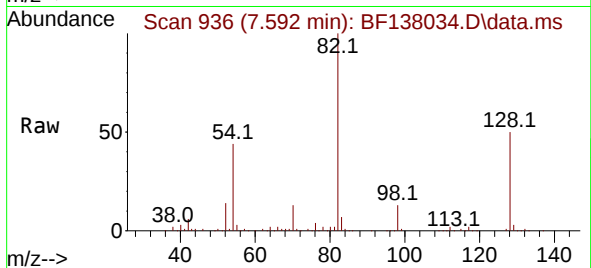
Tgt Ion: 82 Resp: 117186

Ion Ratio Lower Upper

82 100

128 49.8 40.3 60.5

54 44.2 36.8 55.2



#25

Isophorone

Concen: 8.209 ng

RT: 7.592 min Scan# 936

Delta R.T. -0.265 min

Lab File: BF138034.D

Acq: 23 May 2024 18:31

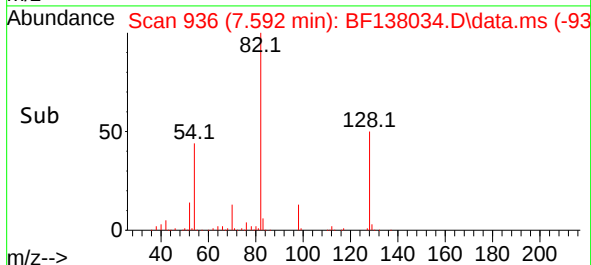
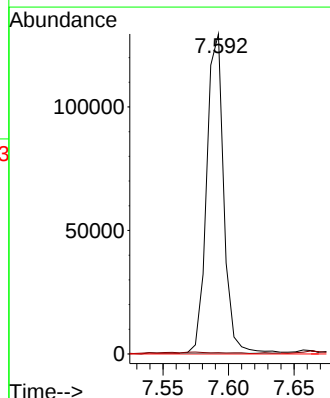
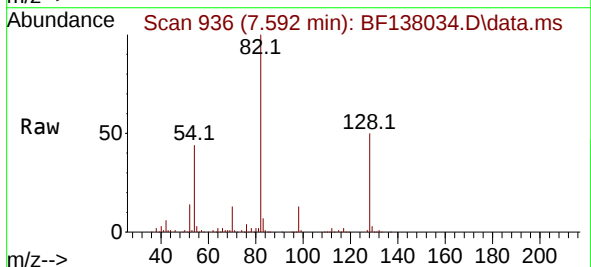
Tgt Ion: 82 Resp: 117186

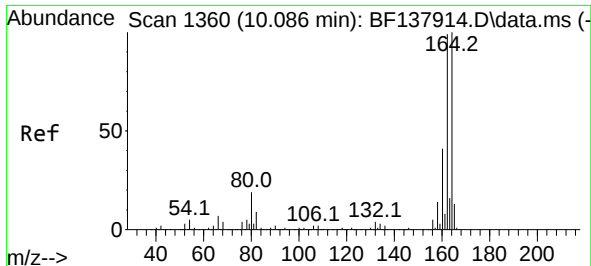
Ion Ratio Lower Upper

82 100

95 0.4 6.0 9.0#

138 0.0 15.0 22.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.080 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138034.D

Acq: 23 May 2024 18:31

Instrument :

BNA_F

ClientSampleId :

TR-05-052224

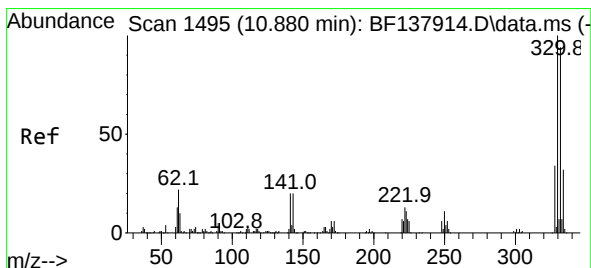
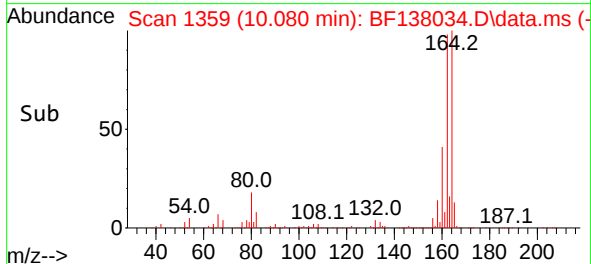
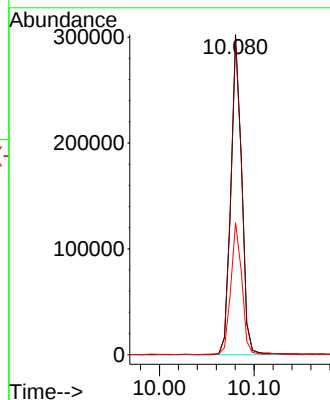
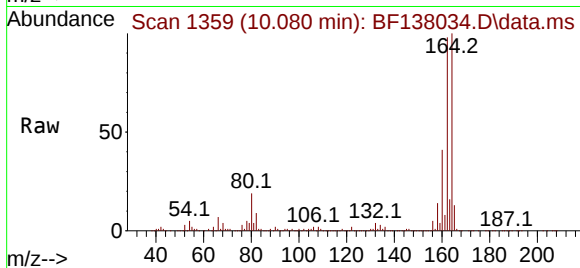
Tgt Ion:164 Resp: 239180

Ion Ratio Lower Upper

164 100

162 98.1 79.4 119.2

160 41.3 33.1 49.7



#42

2,4,6-Tribromophenol

Concen: 15.745 ng

RT: 10.869 min Scan# 1493

Delta R.T. -0.012 min

Lab File: BF138034.D

Acq: 23 May 2024 18:31

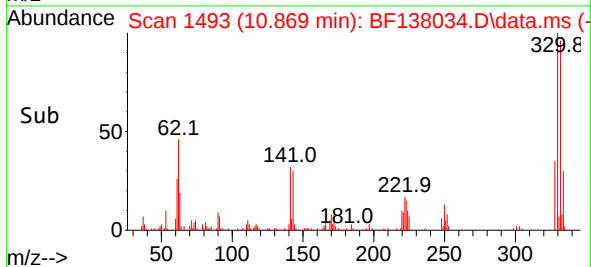
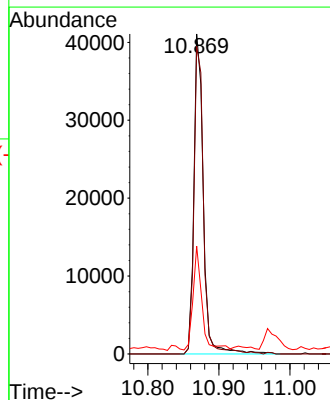
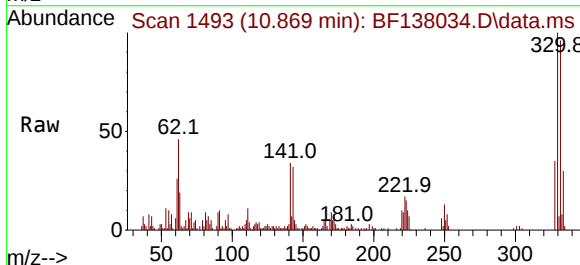
Tgt Ion:330 Resp: 37971

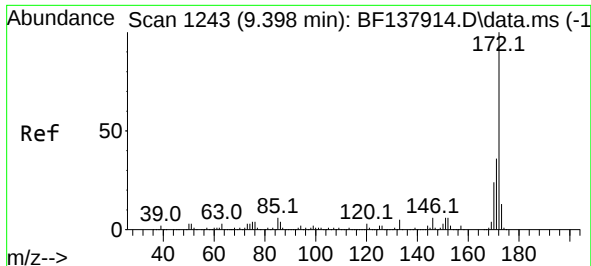
Ion Ratio Lower Upper

330 100

332 97.2 75.8 113.8

141 30.3 23.8 35.6





#45

2-Fluorobiphenyl

Concen: 16.436 ng

RT: 9.392 min Scan# 1359

Delta R.T. -0.006 min

Lab File: BF138034.D

Acq: 23 May 2024 18:31

Instrument :

BNA_F

ClientSampleId :

TR-05-052224

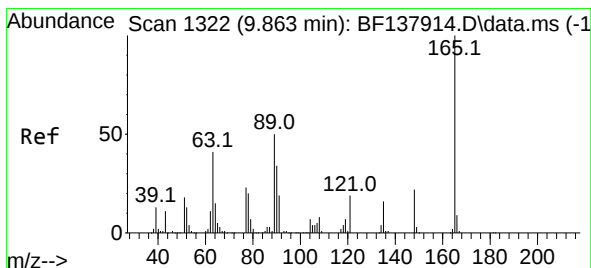
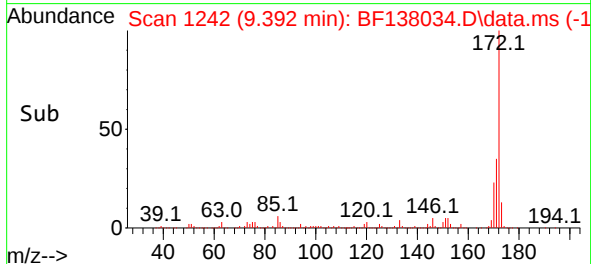
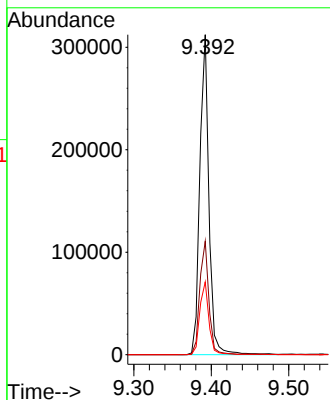
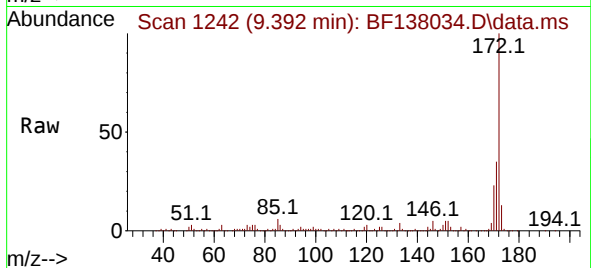
Tgt Ion:172 Resp: 255200

Ion Ratio Lower Upper

172 100

171 35.5 28.9 43.3

170 22.7 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 9.737 ng

RT: 10.080 min Scan# 1359

Delta R.T. 0.218 min

Lab File: BF138034.D

Acq: 23 May 2024 18:31

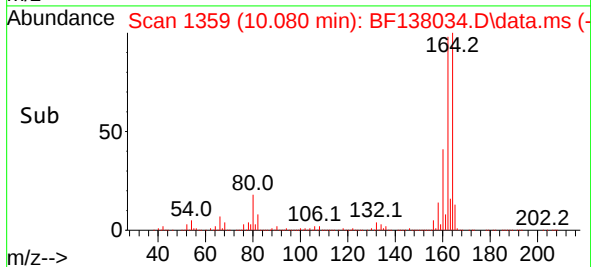
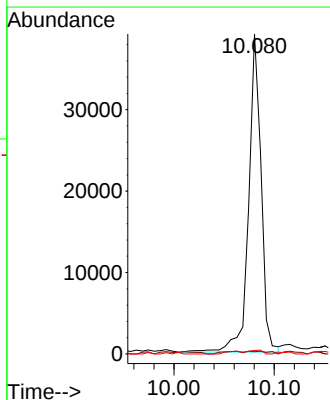
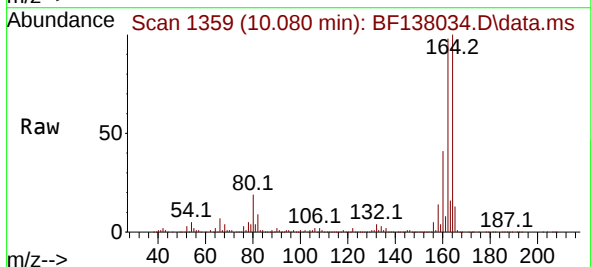
Tgt Ion:165 Resp: 33518

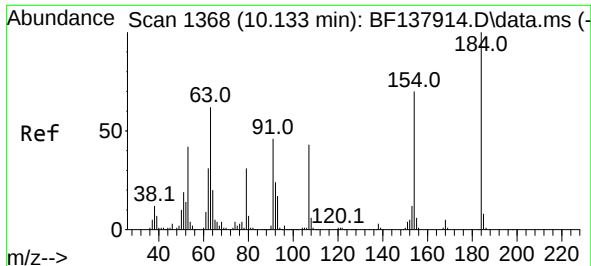
Ion Ratio Lower Upper

165 100

63 0.7 38.9 58.3#

89 1.1 40.4 60.6#

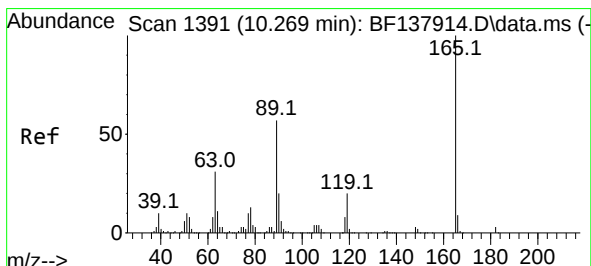
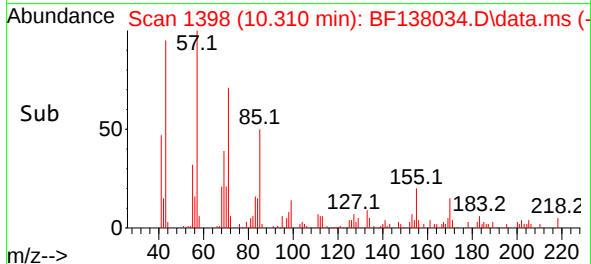
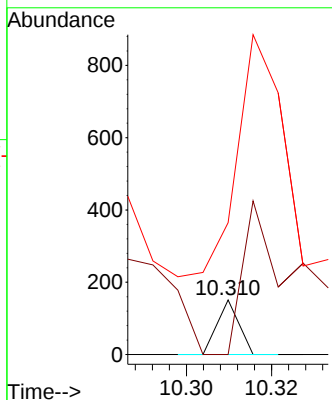
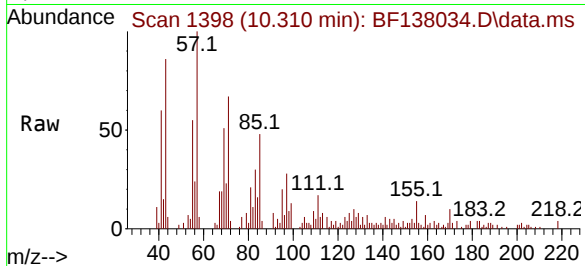




#54
2,4-Dinitrophenol
Concen: 6.994 ng
RT: 10.310 min Scan# 1398
Delta R.T. 0.177 min
Lab File: BF138034.D
Acq: 23 May 2024 18:31

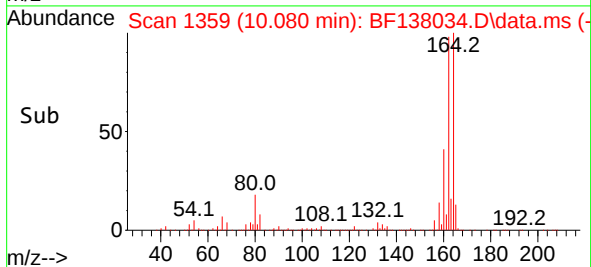
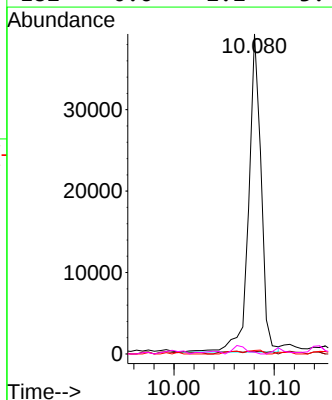
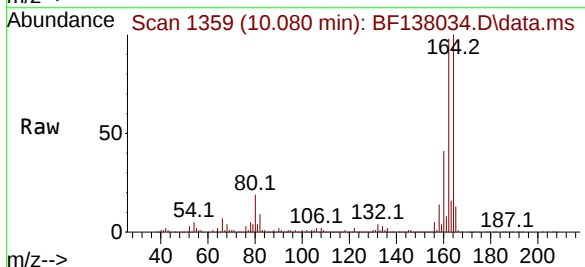
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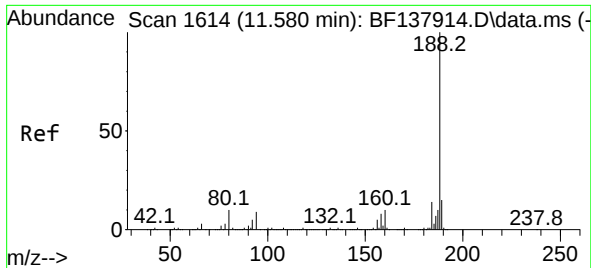
Tgt Ion:184 Resp: 53
Ion Ratio Lower Upper
184 100
63 0.0 50.4 75.6#
154 241.7 63.7 95.5#



#57
2,4-Dinitrotoluene
Concen: 7.532 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.188 min
Lab File: BF138034.D
Acq: 23 May 2024 18:31

Tgt Ion:165 Resp: 33518
Ion Ratio Lower Upper
165 100
63 0.7 25.3 37.9#
89 1.1 45.9 68.9#
182 0.6 2.2 3.4#

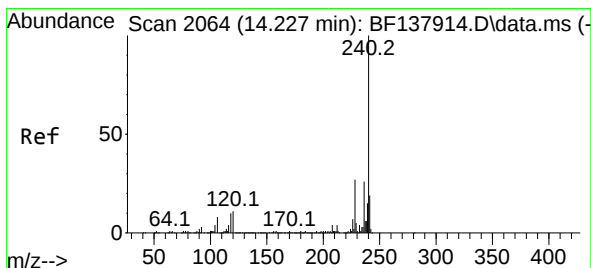
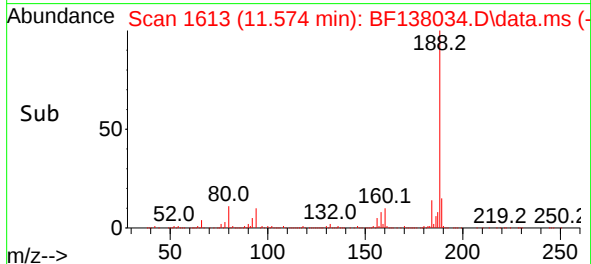
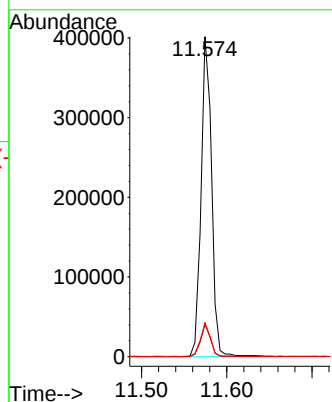
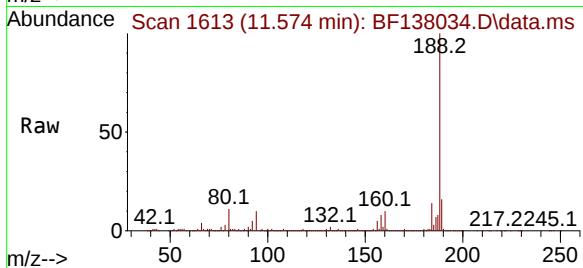




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138034.D
Acq: 23 May 2024 18:31

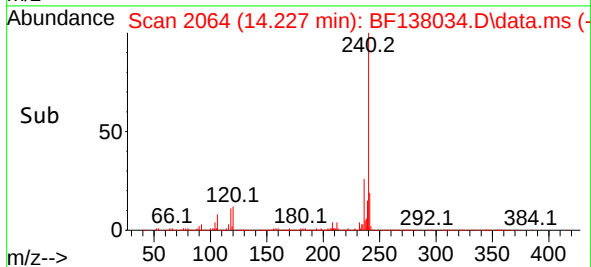
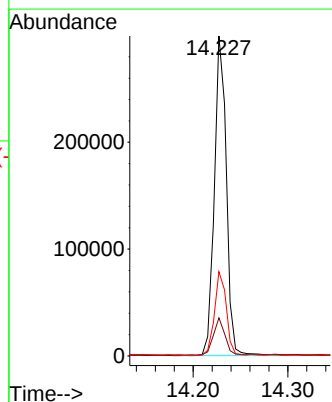
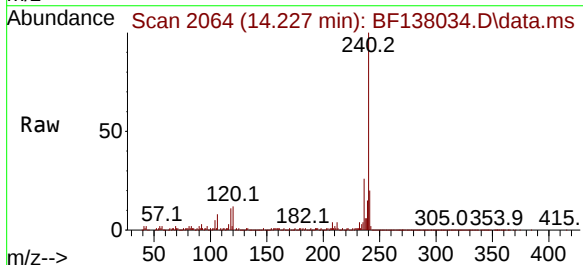
Instrument :
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TR-05-052224

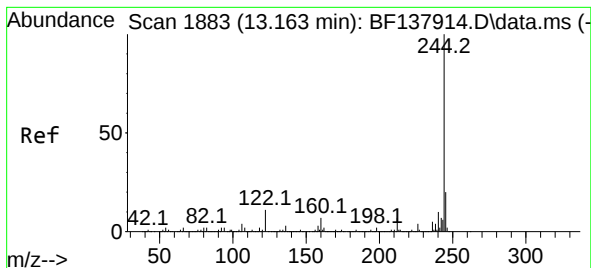
Tgt Ion:188 Resp: 344568
Ion Ratio Lower Upper
188 100
94 10.1 7.0 10.4
80 10.6 7.7 11.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.227 min Scan# 2064
Delta R.T. -0.000 min
Lab File: BF138034.D
Acq: 23 May 2024 18:31

Tgt Ion:240 Resp: 262407
Ion Ratio Lower Upper
240 100
120 11.9 8.9 13.3
236 26.4 21.0 31.4





#79

Terphenyl-d14

Concen: 12.195 ng

RT: 13.163 min Scan# 1883

Delta R.T. -0.000 min

Lab File: BF138034.D

Acq: 23 May 2024 18:31

Instrument :

BNA_F

ClientSampleId :

TR-05-052224

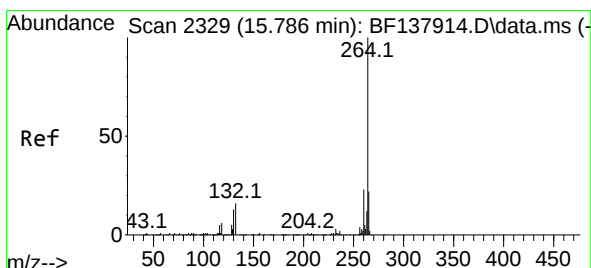
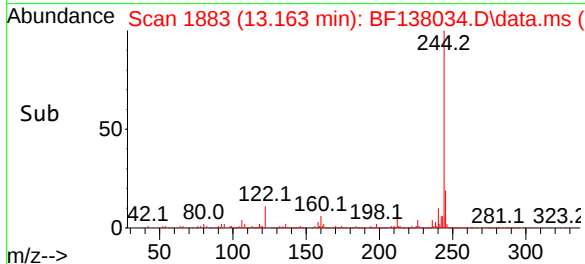
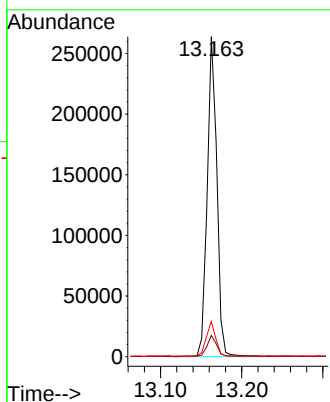
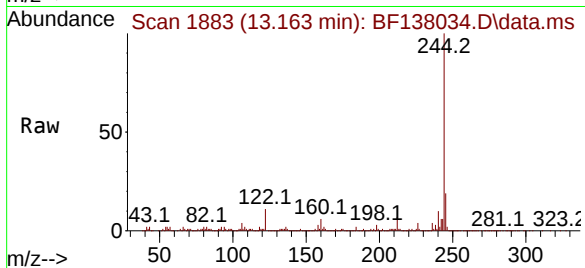
Tgt Ion:244 Resp: 217126

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 11.0 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.798 min Scan# 2331

Delta R.T. 0.012 min

Lab File: BF138034.D

Acq: 23 May 2024 18:31

Tgt Ion:264 Resp: 205586

Ion Ratio Lower Upper

264 100

260 23.2 18.3 27.5

265 22.7 17.6 26.4

