

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051324\
 Data File : BF137902.D
 Acq On : 13 May 2024 14:54
 Operator : CG\JU
 Sample : P2430-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1011UMR-SS002-1224-01

Quant Time: May 13 15:31:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 03:25:08 2024
 Response via : Initial Calibration

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

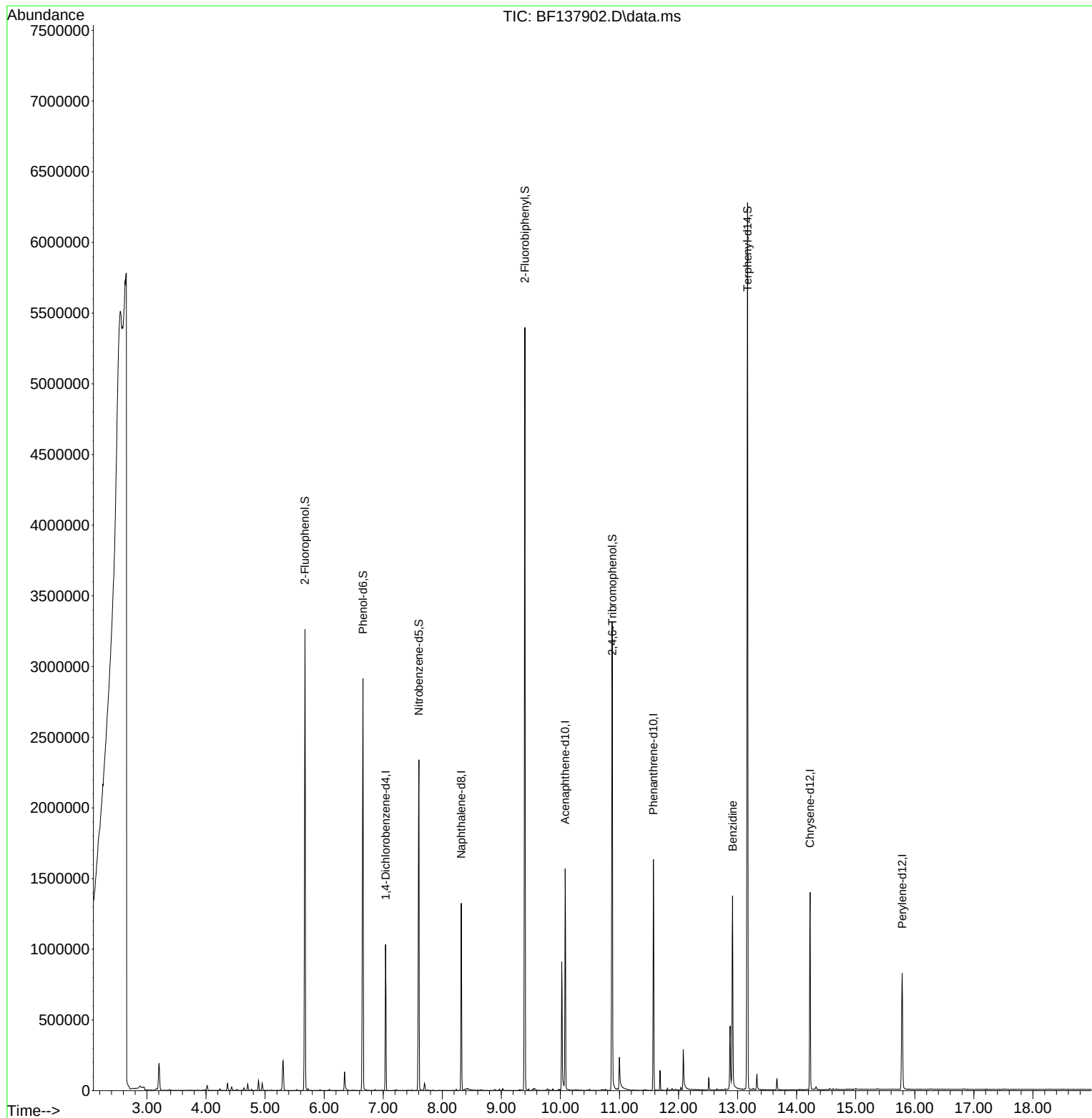
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.040	152	143011	20.000	ng	-0.02
21) Naphthalene-d8	8.322	136	548598	20.000	ng	-0.02
39) Acenaphthene-d10	10.081	164	312699	20.000	ng	-0.03
64) Phenanthrene-d10	11.575	188	578871	20.000	ng	-0.02
76) Chrysene-d12	14.227	240	463167	20.000	ng	-0.02
86) Perylene-d12	15.786	264	401703	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.675	112	964780	112.951	ng	0.00
7) Phenol-d6	6.657	99	1099110	101.448	ng	-0.02
23) Nitrobenzene-d5	7.604	82	784286	83.058	ng	-0.02
42) 2,4,6-Tribromophenol	10.881	330	475954	149.074	ng	-0.02
45) 2-Fluorobiphenyl	9.398	172	1678217	87.070	ng	-0.02
79) Terphenyl-d14	13.169	244	2367529	85.663	ng	-0.02
Target Compounds						
77) Benzidine	12.916	184	503225	46.978	ng	Qvalue 98

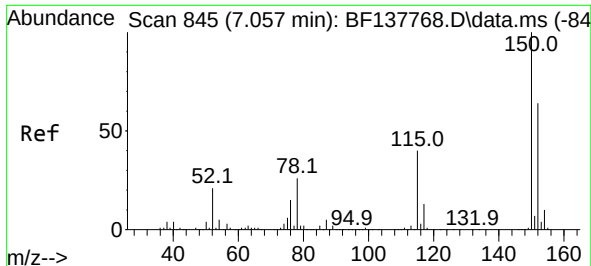
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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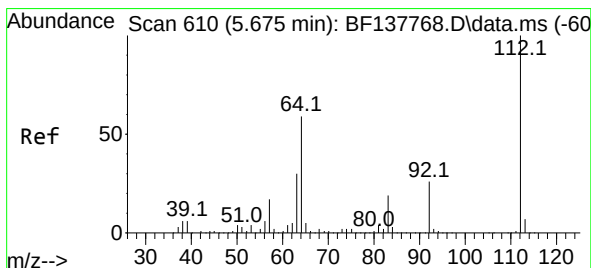
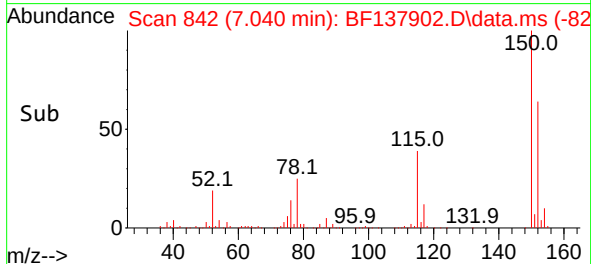
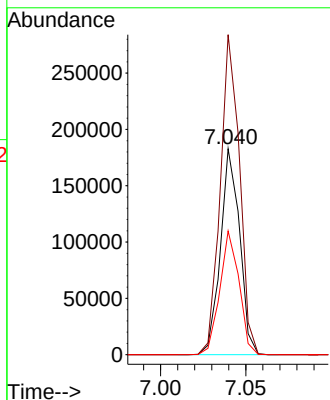
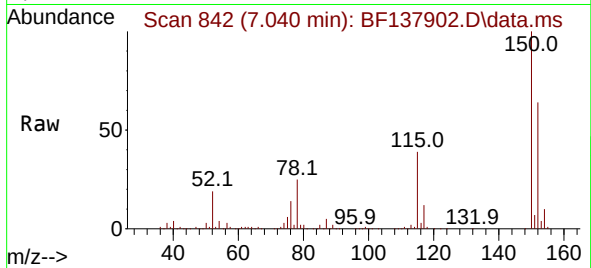




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.040 min Scan# 84
Delta R.T. -0.017 min
Lab File: BF137902.D
Acq: 13 May 2024 14:54

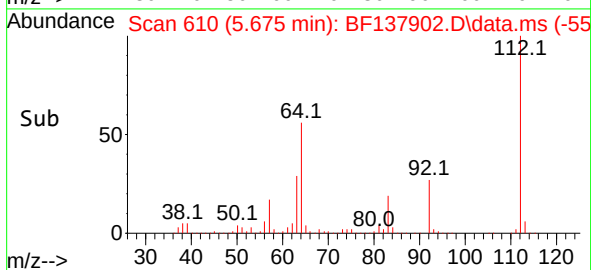
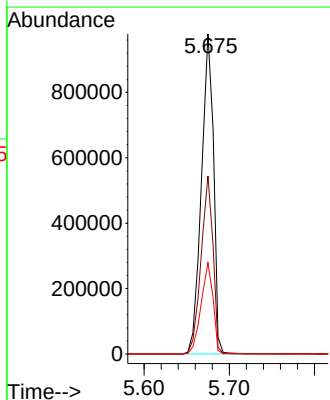
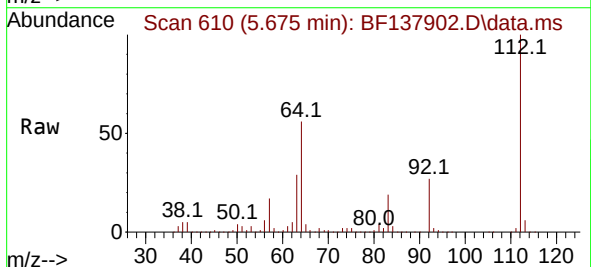
Instrument :
BNA_F
ClientSampleId :
1011UMR-SS002-1224-01

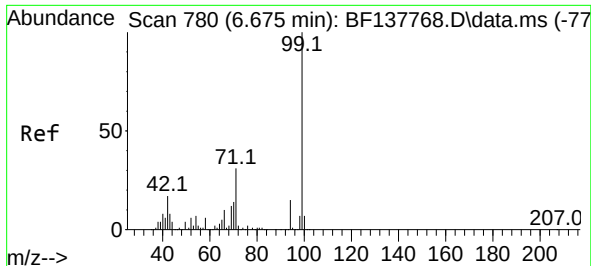
Tgt Ion:152 Resp: 143011
Ion Ratio Lower Upper
152 100
150 155.4 124.1 186.1
115 60.1 49.1 73.7



#5
2-Fluorophenol
Concen: 112.951 ng
RT: 5.675 min Scan# 610
Delta R.T. 0.000 min
Lab File: BF137902.D
Acq: 13 May 2024 14:54

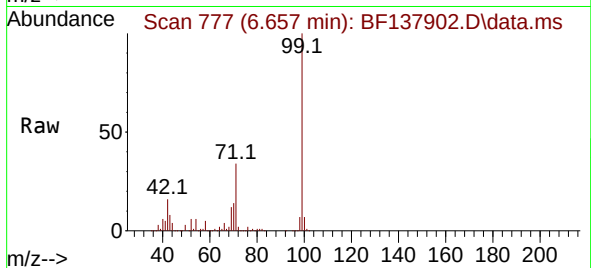
Tgt Ion:112 Resp: 964780
Ion Ratio Lower Upper
112 100
64 55.6 47.3 70.9
63 28.5 23.7 35.5



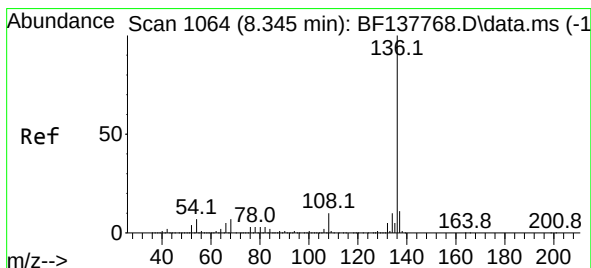
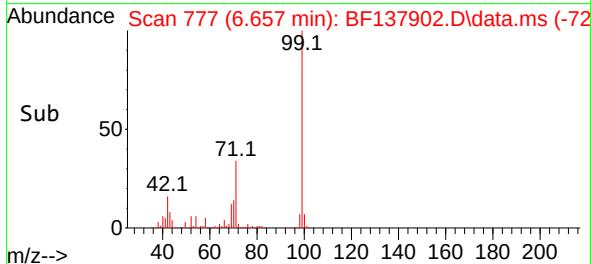
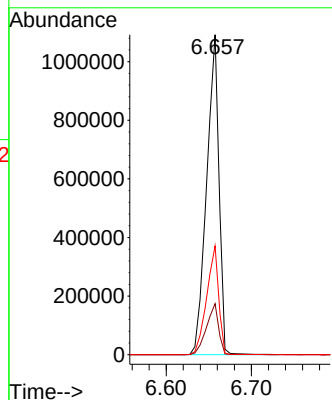


#7
Phenol-d6
Concen: 101.448 ng
RT: 6.657 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF137902.D
Acq: 13 May 2024 14:54

Instrument :
BNA_F
ClientSampleId :
1011UMR-SS002-1224-01

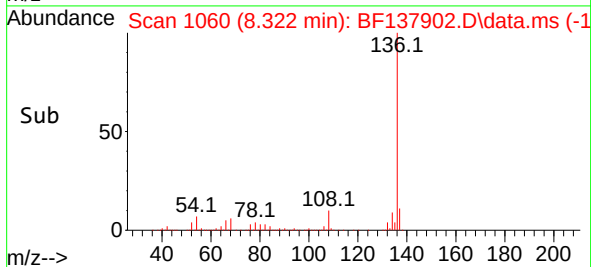
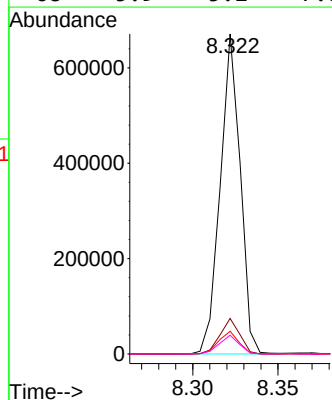
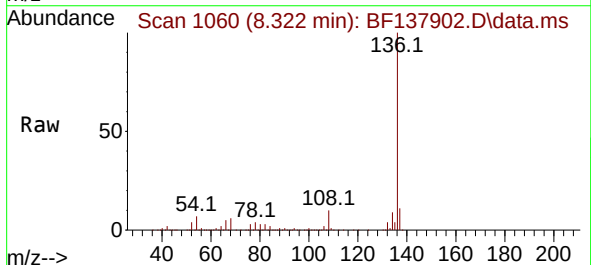


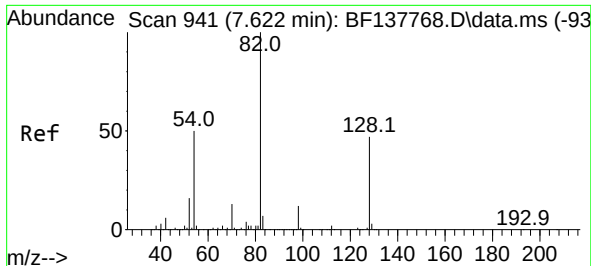
Tgt Ion: 99 Resp: 1099110
Ion Ratio Lower Upper
99 100
42 16.0 13.2 19.8
71 34.0 25.0 37.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.322 min Scan# 1060
Delta R.T. -0.023 min
Lab File: BF137902.D
Acq: 13 May 2024 14:54

Tgt Ion: 136 Resp: 548598
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.1 5.8 8.8
68 5.9 5.2 7.8





#23

Nitrobenzene-d5

Concen: 83.058 ng

RT: 7.604 min Scan# 91

Delta R.T. -0.018 min

Lab File: BF137902.D

Acq: 13 May 2024 14:54

Instrument :

BNA_F

ClientSampleId :

1011UMR-SS002-1224-01

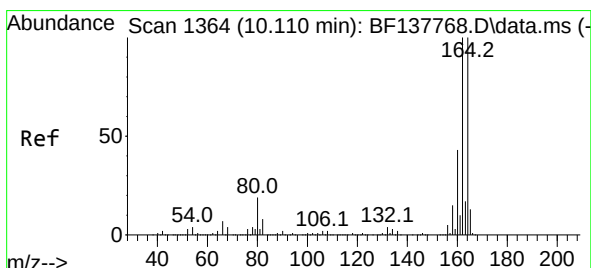
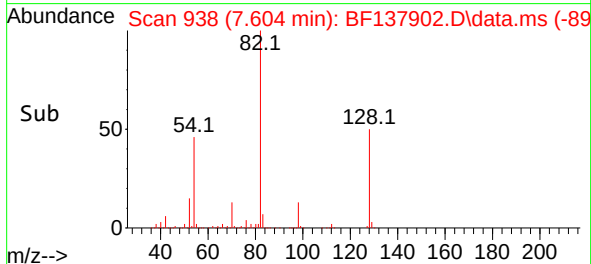
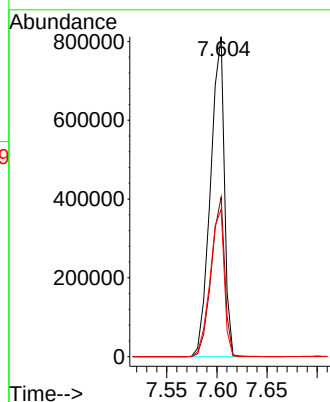
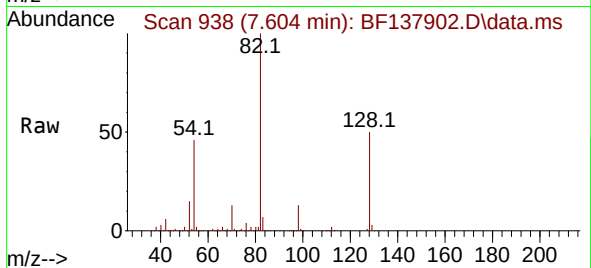
Tgt Ion: 82 Resp: 784286

Ion Ratio Lower Upper

82 100

128 49.8 37.5 56.3

54 46.0 39.8 59.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.081 min Scan# 1359

Delta R.T. -0.029 min

Lab File: BF137902.D

Acq: 13 May 2024 14:54

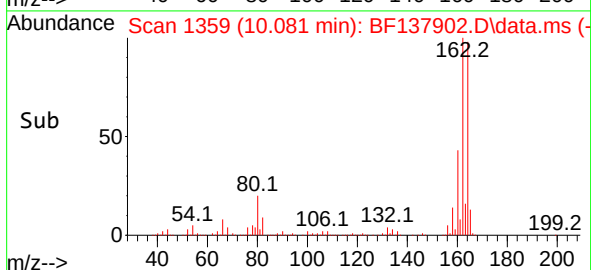
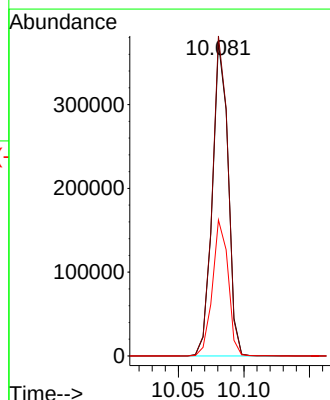
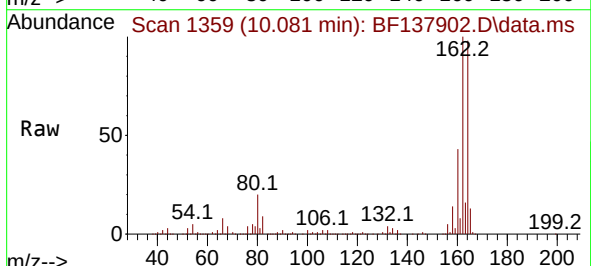
Tgt Ion:164 Resp: 312699

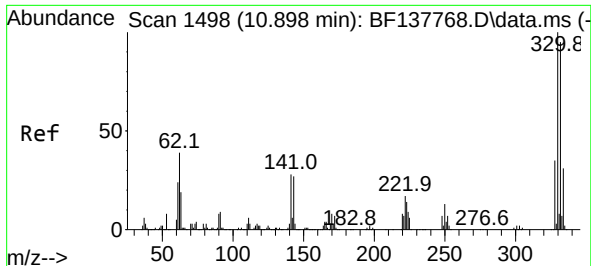
Ion Ratio Lower Upper

164 100

162 102.0 79.8 119.6

160 43.4 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 149.074 ng

RT: 10.881 min Scan# 1495

Delta R.T. -0.018 min

Lab File: BF137902.D

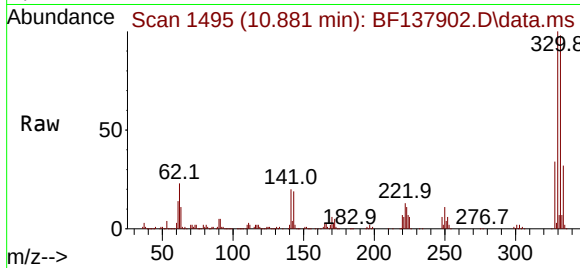
Acq: 13 May 2024 14:54

Instrument :

BNA_F

ClientSampleId :

1011UMR-SS002-1224-01



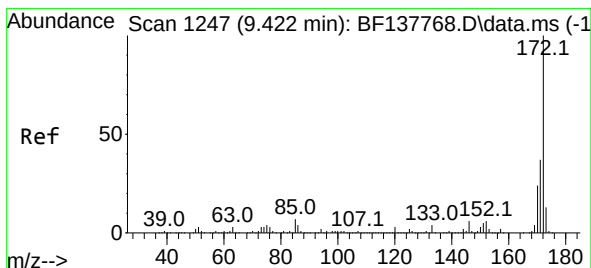
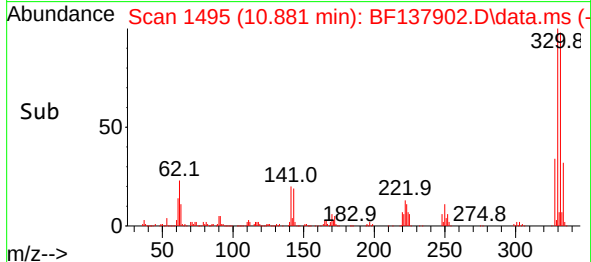
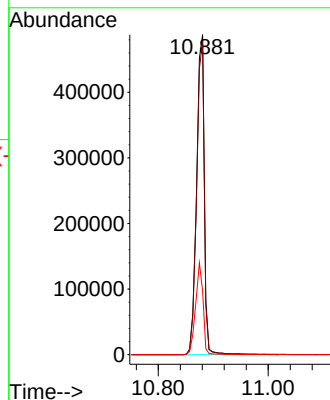
Tgt Ion:330 Resp: 475954

Ion Ratio Lower Upper

330 100

332 96.5 77.3 115.9

141 27.8 23.8 35.6



#45

2-Fluorobiphenyl

Concen: 87.070 ng

RT: 9.398 min Scan# 1243

Delta R.T. -0.023 min

Lab File: BF137902.D

Acq: 13 May 2024 14:54

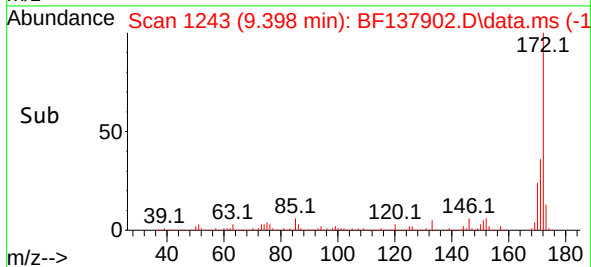
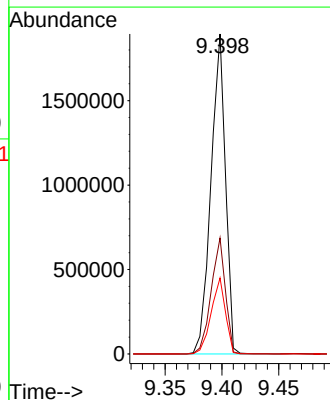
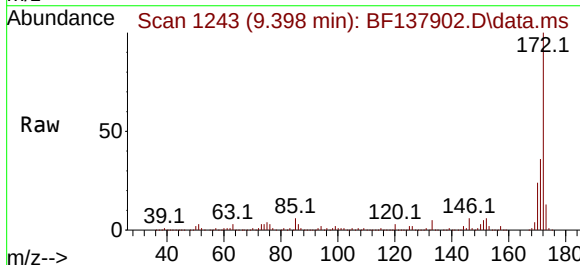
Tgt Ion:172 Resp: 1678217

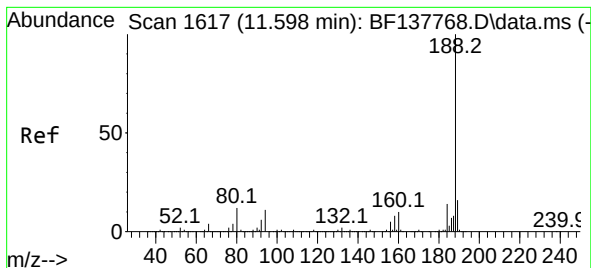
Ion Ratio Lower Upper

172 100

171 36.3 29.6 44.4

170 23.7 19.4 29.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.575 min Scan# 1

Delta R.T. -0.023 min

Lab File: BF137902.D

Acq: 13 May 2024 14:54

Instrument :

BNA_F

ClientSampleId :

1011UMR-SS002-1224-01

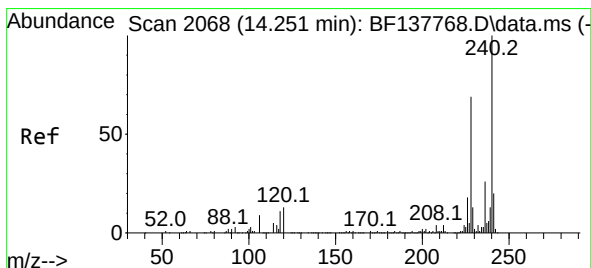
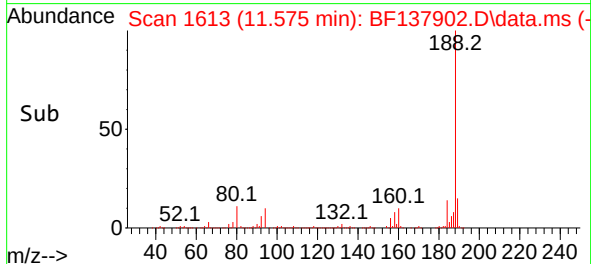
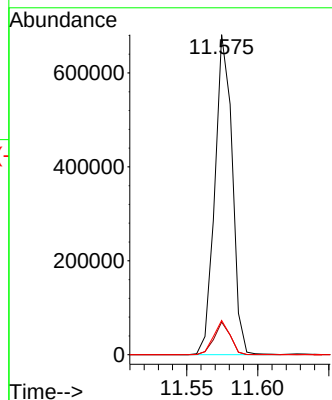
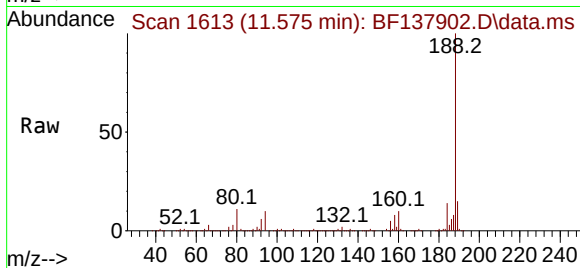
Tgt Ion:188 Resp: 578871

Ion Ratio Lower Upper

188 100

94 10.2 8.8 13.2

80 10.7 9.6 14.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.227 min Scan# 2064

Delta R.T. -0.023 min

Lab File: BF137902.D

Acq: 13 May 2024 14:54

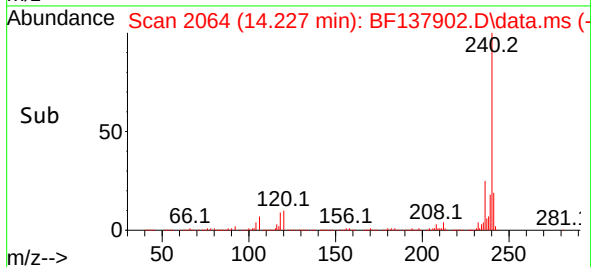
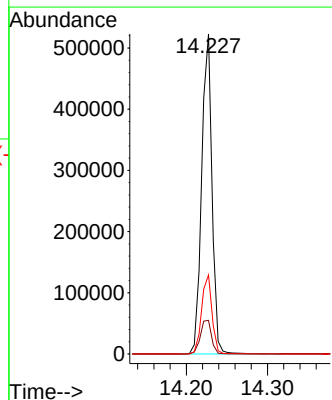
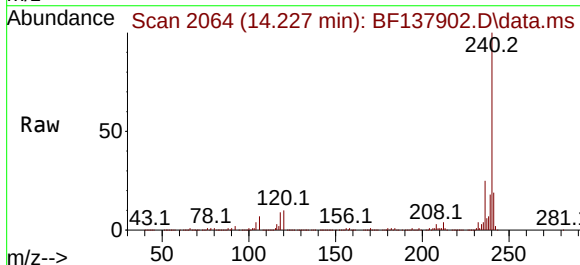
Tgt Ion:240 Resp: 463167

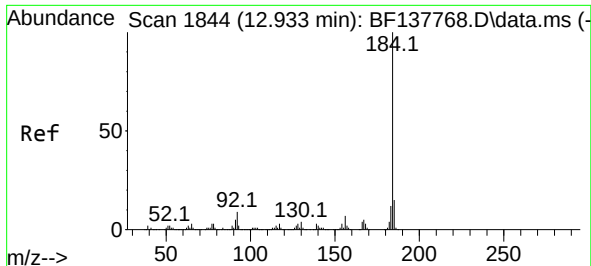
Ion Ratio Lower Upper

240 100

120 10.5 10.4 15.6

236 24.7 20.4 30.6

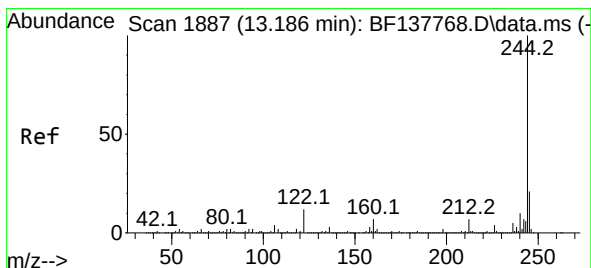
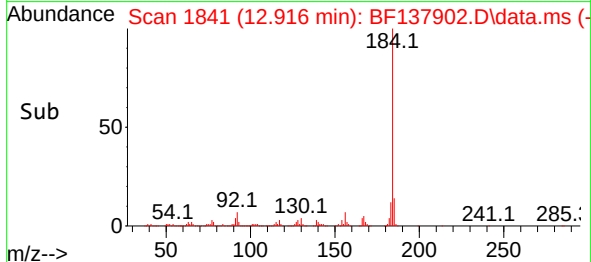
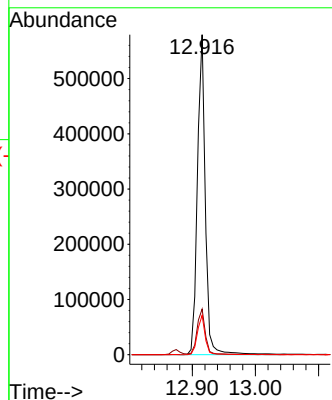
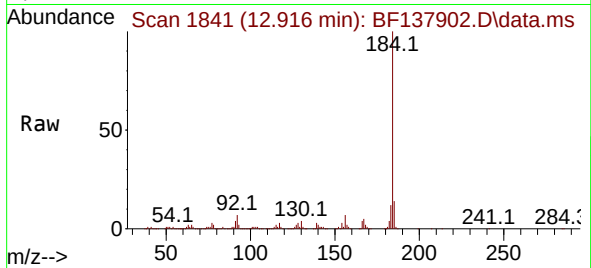




#77
Benzidine
Concen: 46.978 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.018 min
Lab File: BF137902.D
Acq: 13 May 2024 14:54

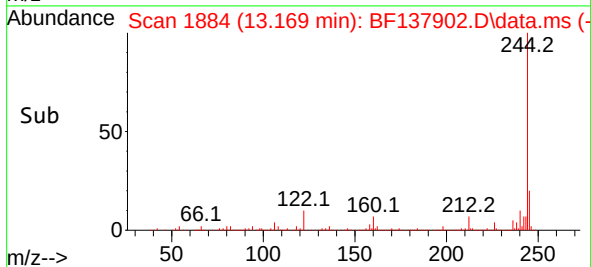
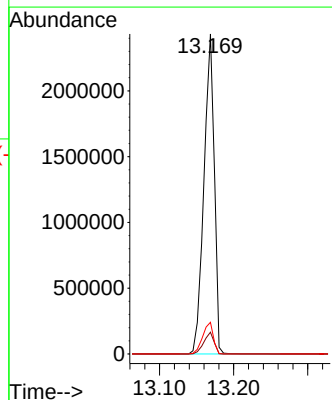
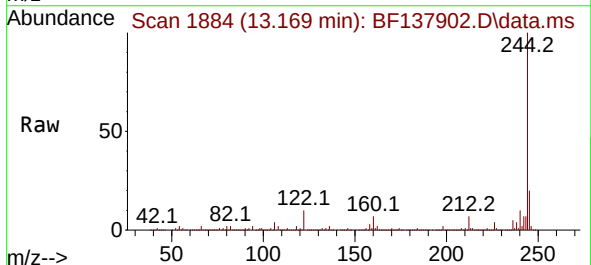
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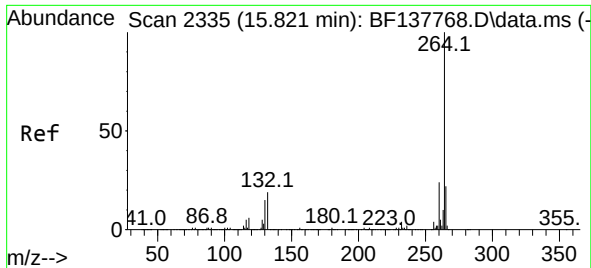
Tgt Ion:184 Resp: 503225
Ion Ratio Lower Upper
184 100
185 14.2 12.3 18.5
183 12.3 9.2 13.8



#79
Terphenyl-d14
Concen: 85.663 ng
RT: 13.169 min Scan# 1884
Delta R.T. -0.018 min
Lab File: BF137902.D
Acq: 13 May 2024 14:54

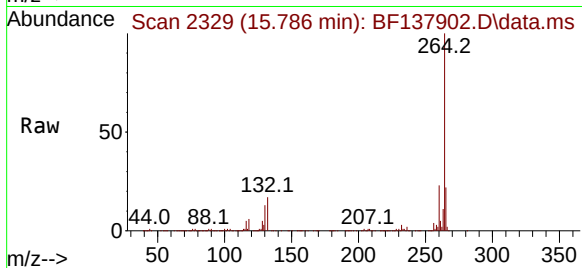
Tgt Ion:244 Resp: 2367529
Ion Ratio Lower Upper
244 100
212 6.8 5.5 8.3
122 9.9 9.4 14.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.786 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF137902.D
Acq: 13 May 2024 14:54

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:264 Resp: 401703
Ion Ratio Lower Upper
264 100
260 23.2 18.9 28.3
265 21.6 17.4 26.0

