

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102924\
 Data File : BF140139.D
 Acq On : 30 Oct 2024 04:14
 Operator : RC/JU
 Sample : P4594-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: Oct 30 04:42:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

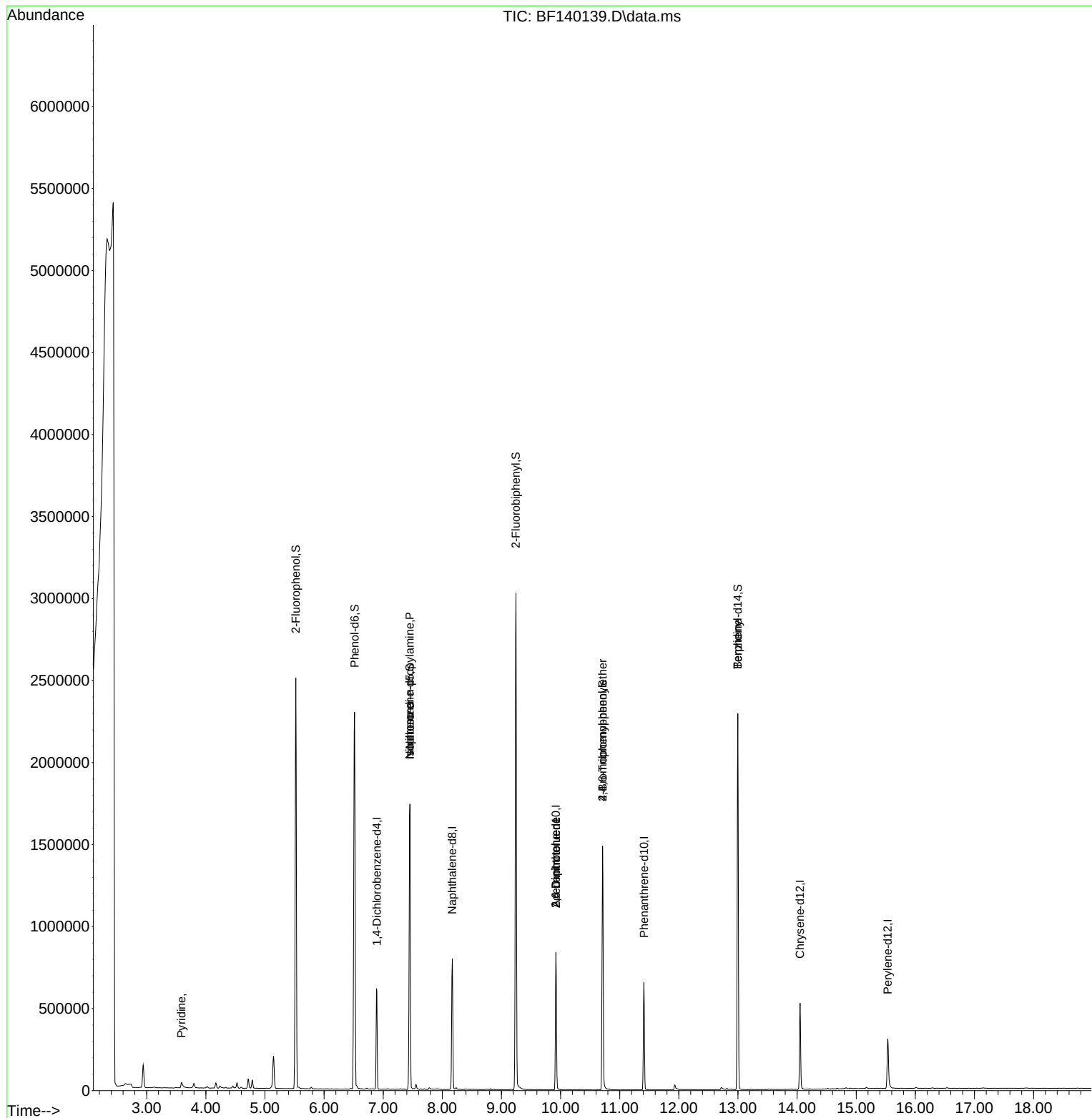
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	125591	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	480116	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	245651	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	344252	20.000	ng	0.00
76) Chrysene-d12	14.051	240	255394	20.000	ng	0.00
86) Perylene-d12	15.533	264	200557	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	944413	117.721	ng	0.02
7) Phenol-d6	6.516	99	1185294	114.076	ng	0.00
23) Nitrobenzene-d5	7.451	82	820536	94.721	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	256569	111.661	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1403510	94.426	ng	0.00
79) Terphenyl-d14	12.998	244	1148103	73.252	ng	0.00
Target Compounds						
						Qvalue
3) Pyridine	3.587	79	26399	2.847	ng	94
19) n-Nitroso-di-n-propyla...	7.451	70	110896	17.598	ng	# 77
25) Isophorone	7.451	82	814911	49.564	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	32154	9.705	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	32154	7.892	ng	# 21
67) 4-Bromophenyl-phenylether	10.710	248	16797	4.736	ng	# 1
77) Benzidine	12.998	184	14344	3.416	ng	# 92

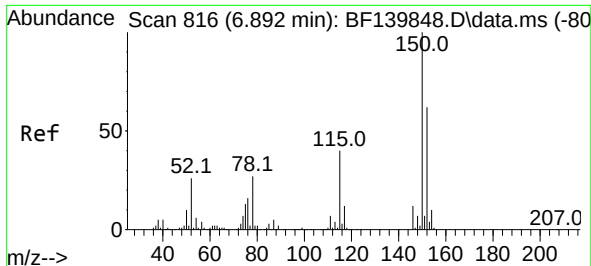
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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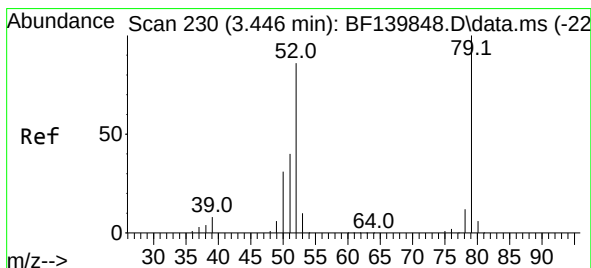
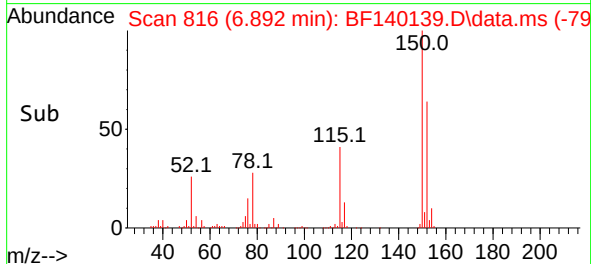
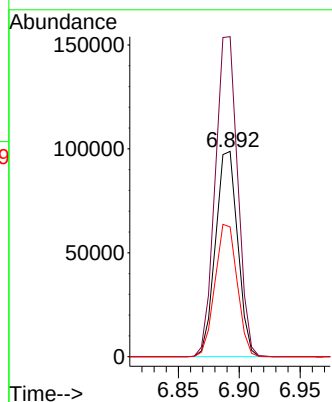
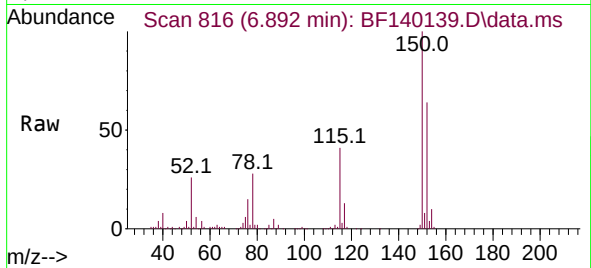




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF140139.D
Acq: 30 Oct 2024 04:14

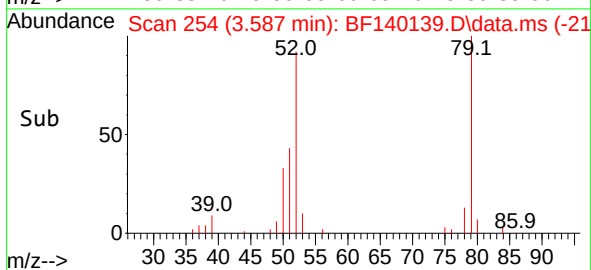
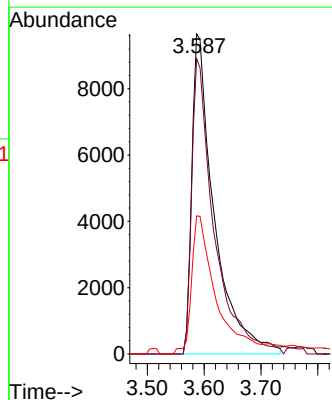
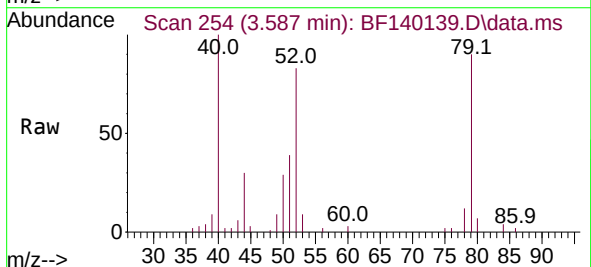
Instrument :
BNA_F
ClientSampleId :
TP-4

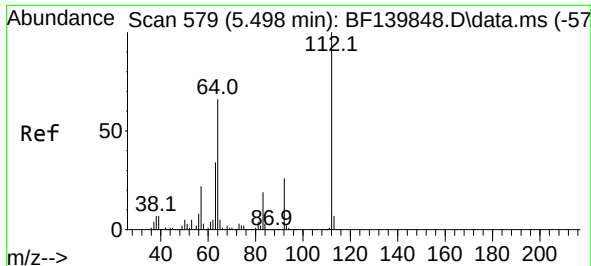
Tgt Ion:152 Resp: 125591
Ion Ratio Lower Upper
152 100
150 155.9 130.2 195.2
115 63.2 51.4 77.2



#3
Pyridine
Concen: 2.847 ng
RT: 3.587 min Scan# 254
Delta R.T. 0.141 min
Lab File: BF140139.D
Acq: 30 Oct 2024 04:14

Tgt Ion: 79 Resp: 26399
Ion Ratio Lower Upper
79 100
52 92.3 68.5 102.7
51 43.1 32.3 48.5

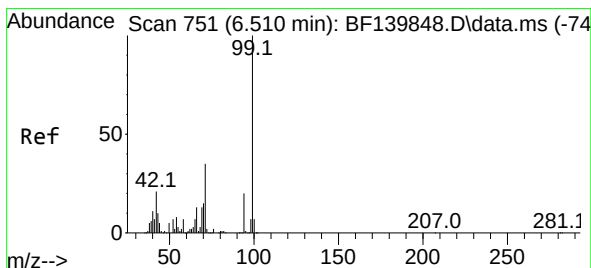
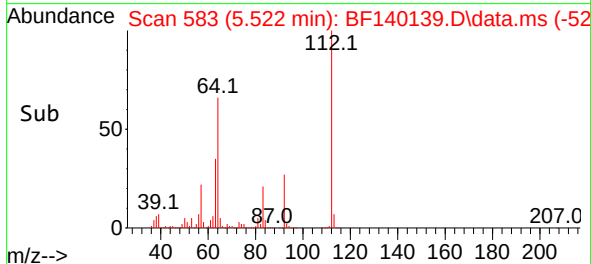
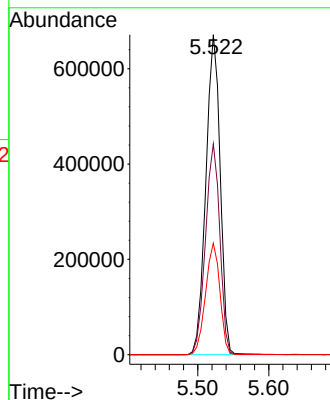
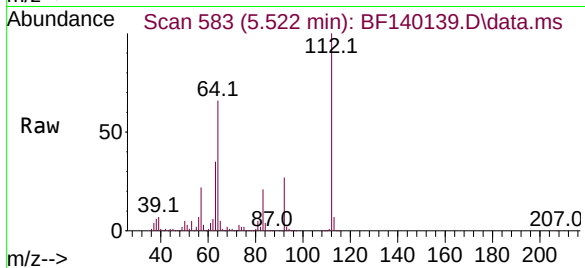




#5
2-Fluorophenol
Concen: 117.721 ng
RT: 5.522 min Scan# 51
Delta R.T. 0.024 min
Lab File: BF140139.D
Acq: 30 Oct 2024 04:14

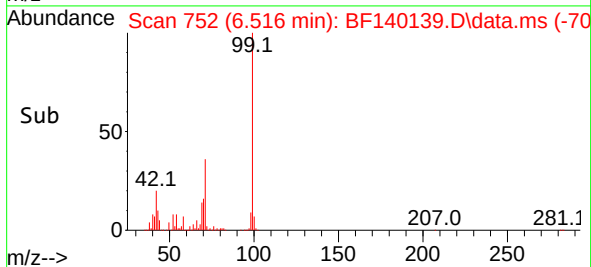
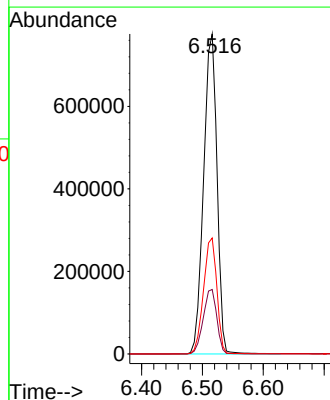
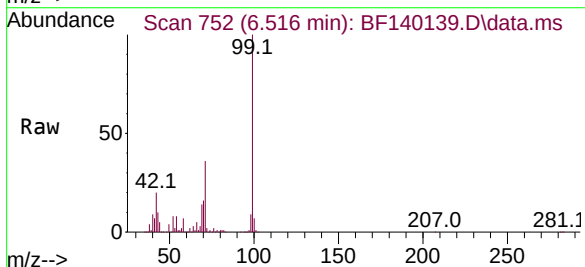
Instrument :
BNA_F
ClientSampleId :
TP-4

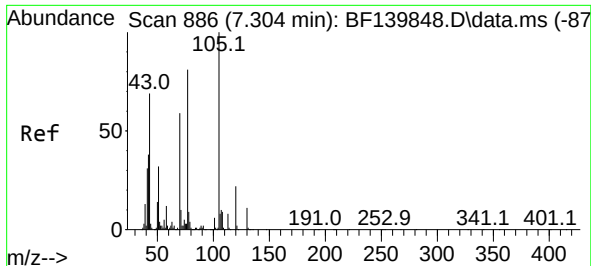
Tgt Ion:112 Resp: 944413
Ion Ratio Lower Upper
112 100
64 65.9 53.0 79.6
63 34.9 27.0 40.4



#7
Phenol-d6
Concen: 114.076 ng
RT: 6.516 min Scan# 752
Delta R.T. 0.006 min
Lab File: BF140139.D
Acq: 30 Oct 2024 04:14

Tgt Ion: 99 Resp: 1185294
Ion Ratio Lower Upper
99 100
42 20.2 16.7 25.1
71 36.3 27.7 41.5

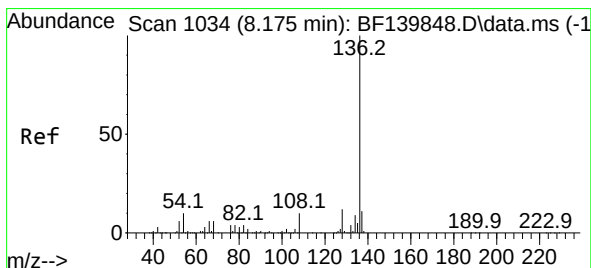
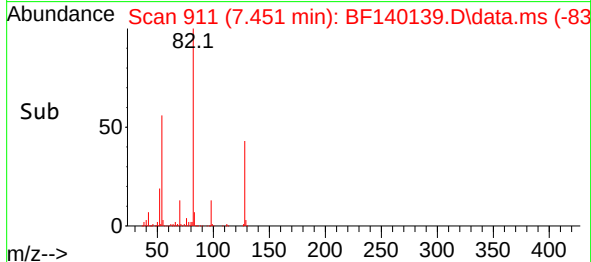
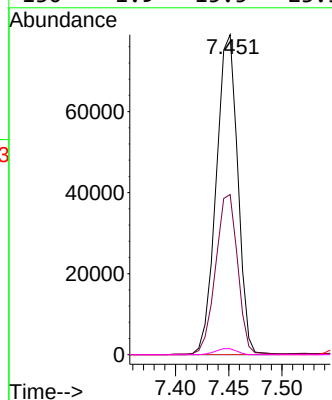
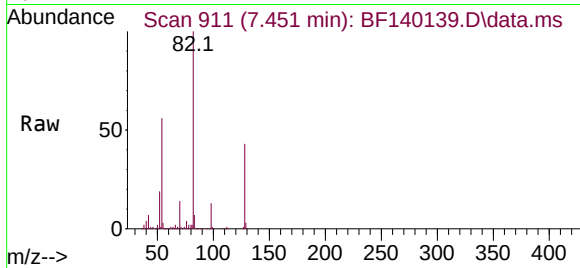




#19
n-Nitroso-di-n-propylamine
Concen: 17.598 ng
RT: 7.451 min Scan# 911
Delta R.T. 0.147 min
Lab File: BF140139.D
Acq: 30 Oct 2024 04:14

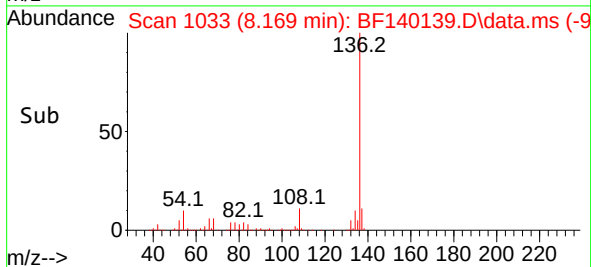
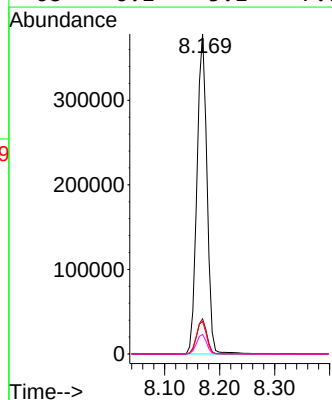
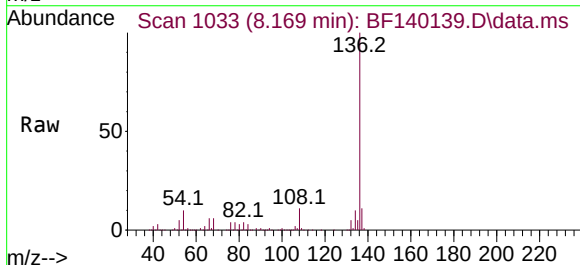
Instrument :
BNA_F
ClientSampleId :
TP-4

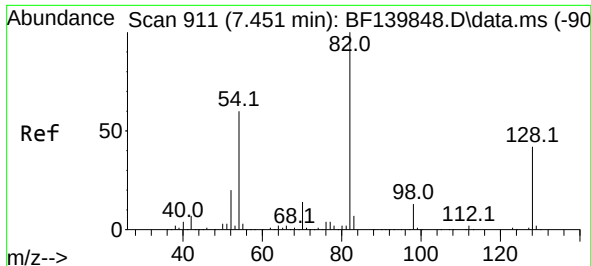
Tgt Ion: 70 Resp: 110896
Ion Ratio Lower Upper
70 100
42 50.0 51.5 77.3#
101 0.0 7.5 11.3#
130 1.9 15.5 23.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF140139.D
Acq: 30 Oct 2024 04:14

Tgt Ion: 136 Resp: 480116
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 10.1 8.4 12.6
68 6.1 5.1 7.7





#23

Nitrobenzene-d5

Concen: 94.721 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF140139.D

Acq: 30 Oct 2024 04:14

Instrument :

BNA_F

ClientSampleId :

TP-4

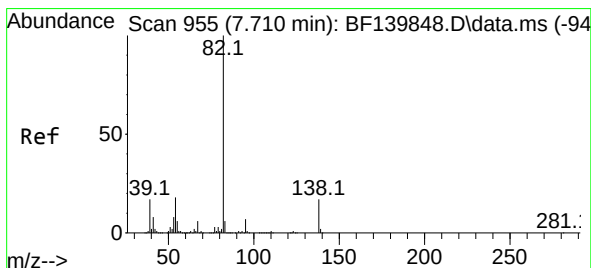
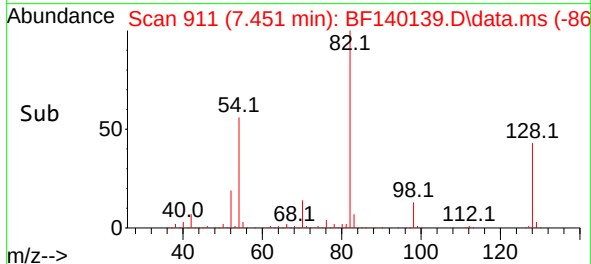
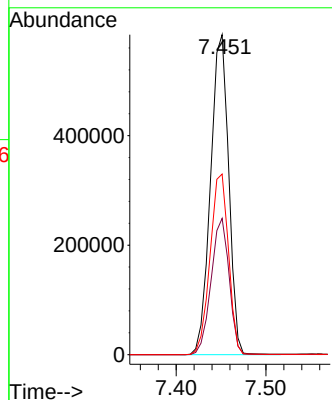
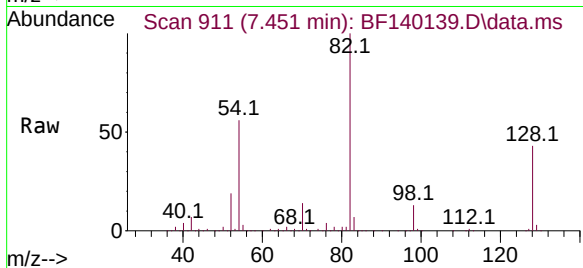
Tgt Ion: 82 Resp: 820536

Ion Ratio Lower Upper

82 100

128 42.6 33.4 50.0

54 56.5 47.8 71.8



#25

Isophorone

Concen: 49.564 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.259 min

Lab File: BF140139.D

Acq: 30 Oct 2024 04:14

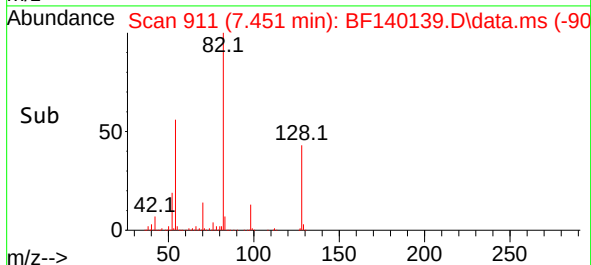
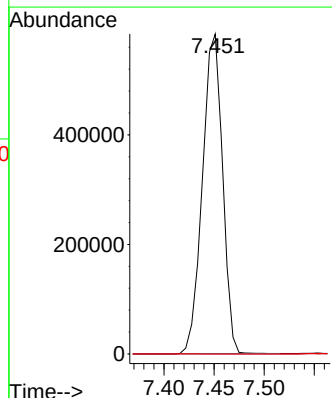
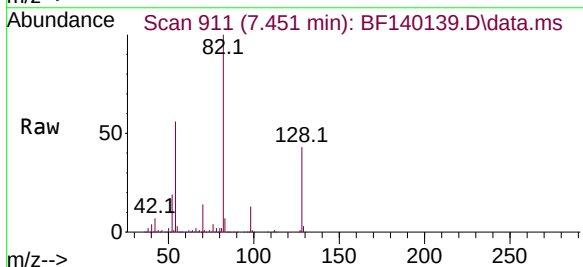
Tgt Ion: 82 Resp: 814911

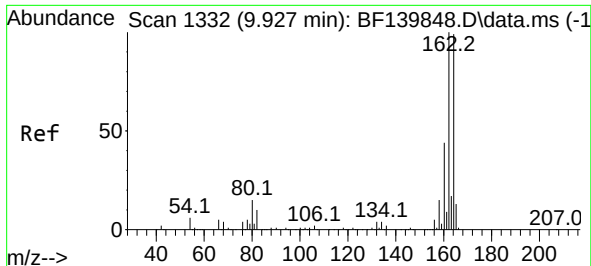
Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 13.2 19.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1

Delta R.T. -0.005 min

Lab File: BF140139.D

Acq: 30 Oct 2024 04:14

Instrument :

BNA_F

ClientSampleId :

TP-4

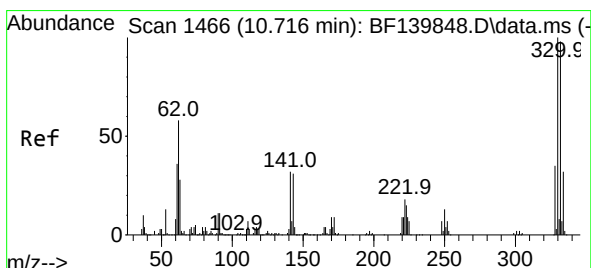
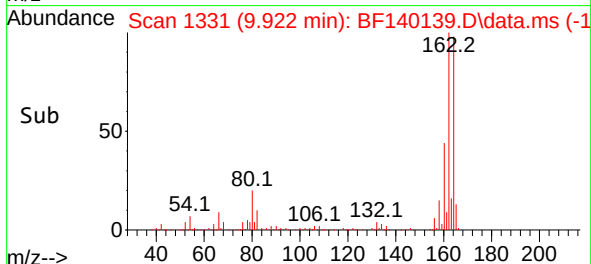
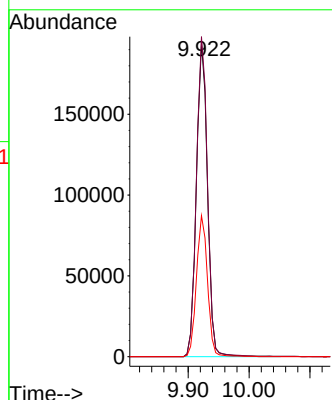
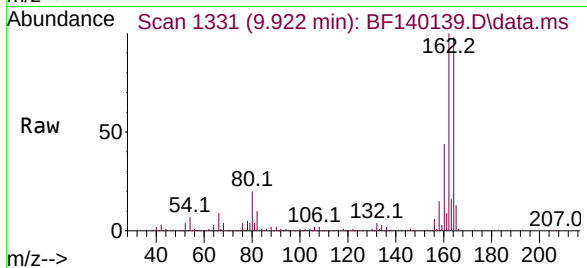
Tgt Ion:164 Resp: 245651

Ion Ratio Lower Upper

164 100

162 102.0 81.0 121.4

160 45.0 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 111.661 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF140139.D

Acq: 30 Oct 2024 04:14

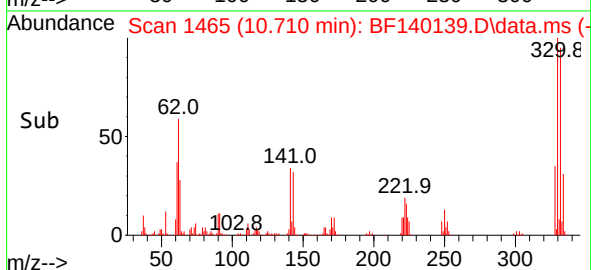
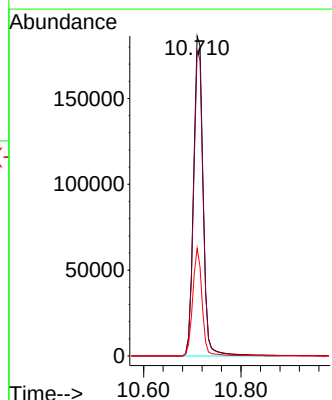
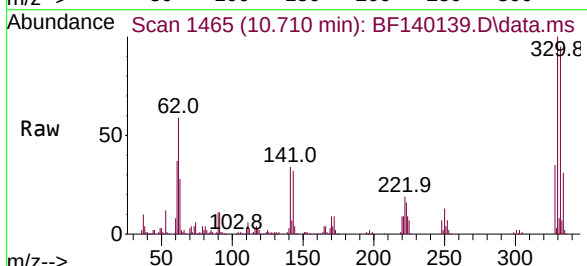
Tgt Ion:330 Resp: 256569

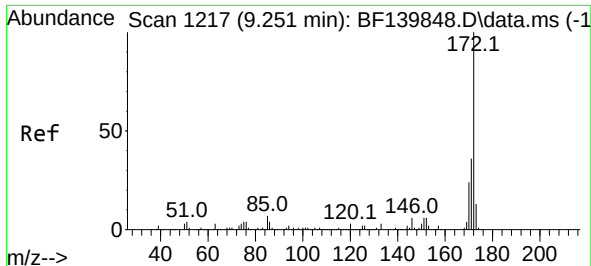
Ion Ratio Lower Upper

330 100

332 95.8 78.1 117.1

141 32.8 26.6 39.8

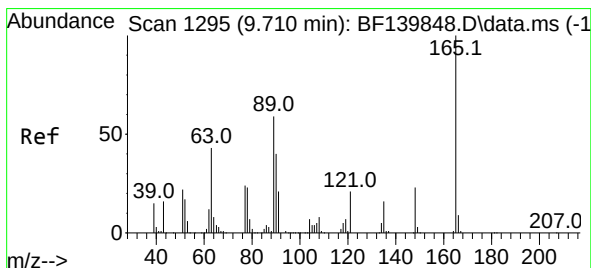
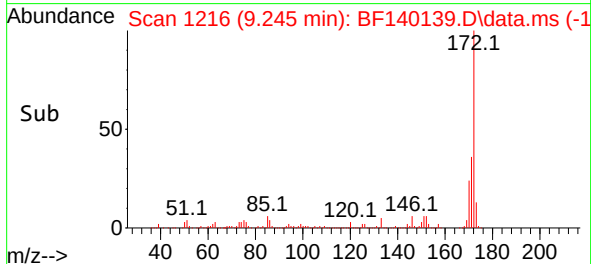
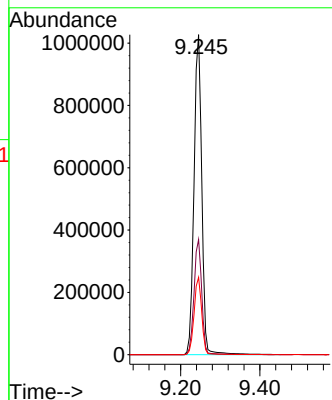
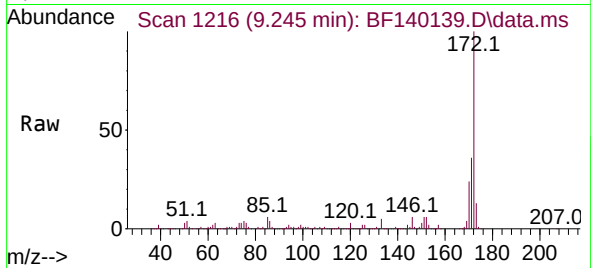




#45
2-Fluorobiphenyl
Concen: 94.426 ng
RT: 9.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140139.D
Acq: 30 Oct 2024 04:14

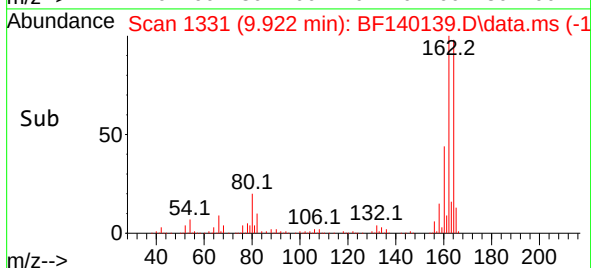
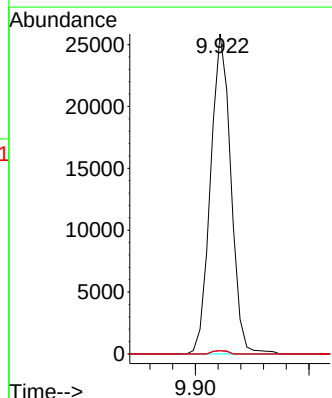
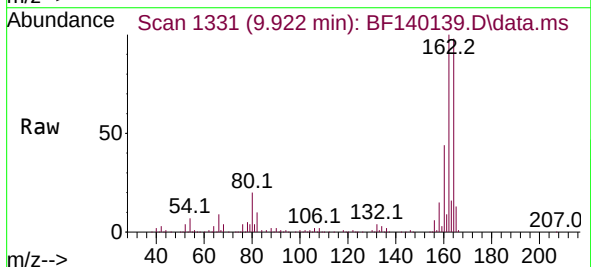
Instrument :
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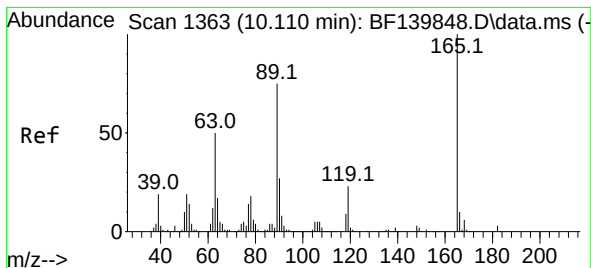
Tgt Ion:172 Resp: 1403510
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 24.1 19.1 28.7



#51
2,6-Dinitrotoluene
Concen: 9.705 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF140139.D
Acq: 30 Oct 2024 04:14

Tgt Ion:165 Resp: 32154
Ion Ratio Lower Upper
165 100
63 1.0 50.6 75.8#
89 1.1 47.5 71.3#

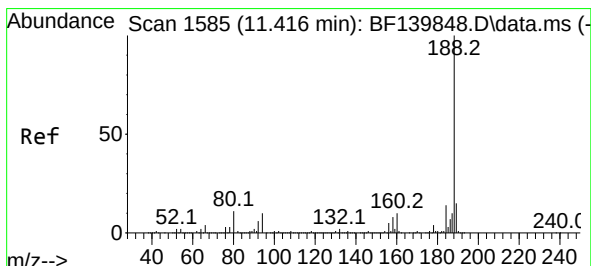
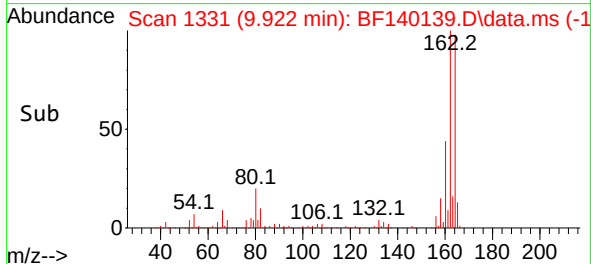
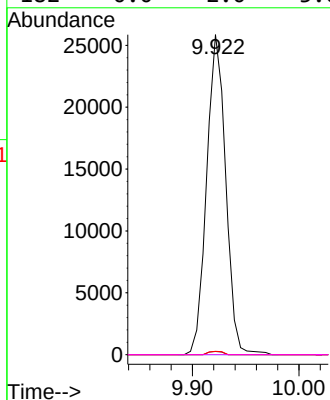
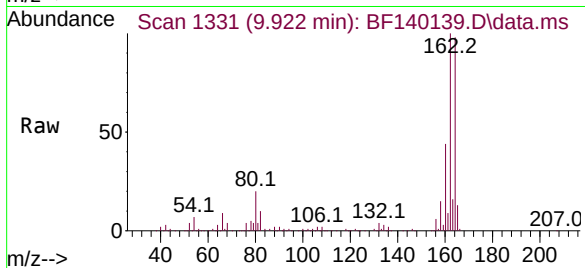




#57
2,4-Dinitrotoluene
Concen: 7.892 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF140139.D
Acq: 30 Oct 2024 04:14

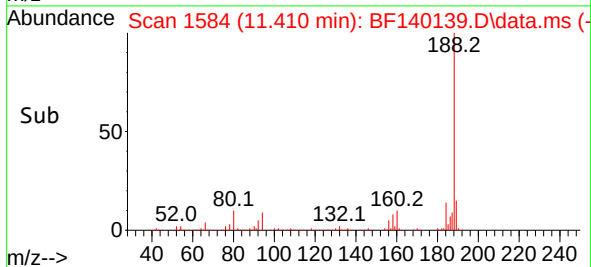
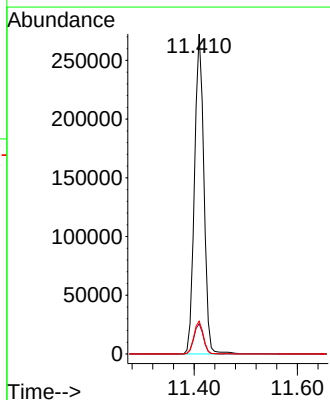
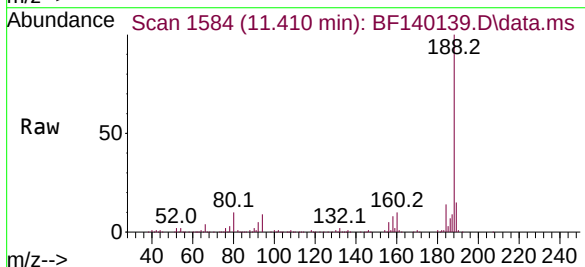
Instrument :
BNA_F
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TP-4

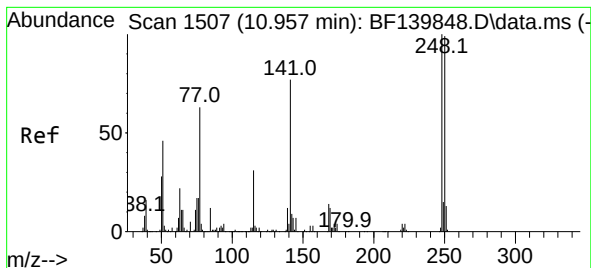
Tgt Ion:165 Resp: 32154
Ion Ratio Lower Upper
165 100
63 1.0 40.1 60.1#
89 1.1 60.4 90.6#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF140139.D
Acq: 30 Oct 2024 04:14

Tgt Ion:188 Resp: 344252
Ion Ratio Lower Upper
188 100
94 9.5 7.9 11.9
80 10.3 9.0 13.4

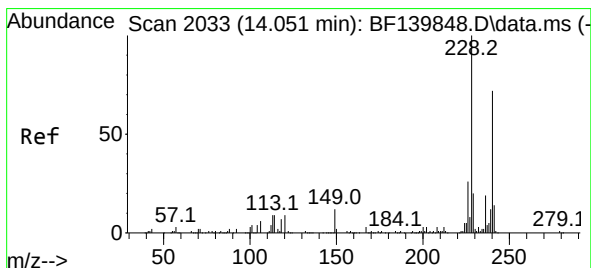
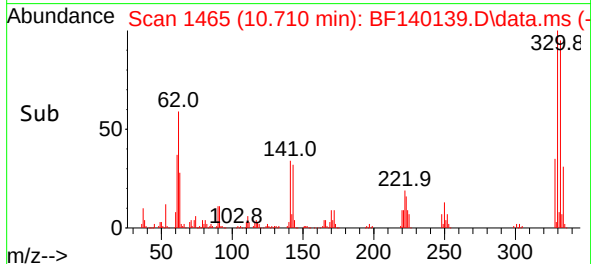
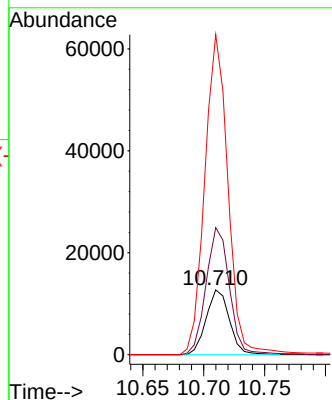
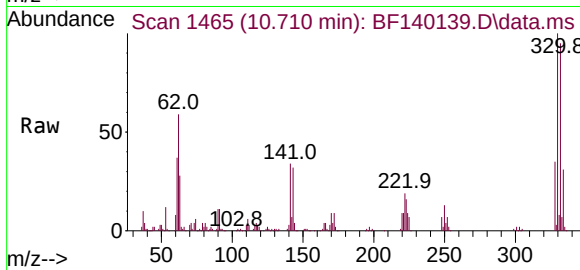




#67
4-Bromophenyl-phenylether
Concen: 4.736 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF140139.D
Acq: 30 Oct 2024 04:14

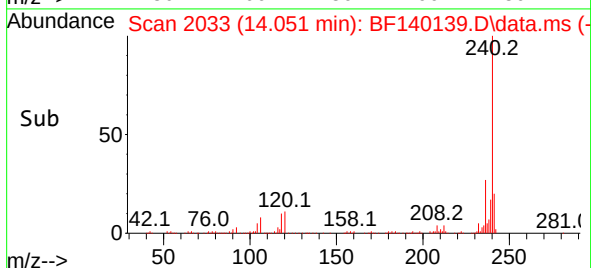
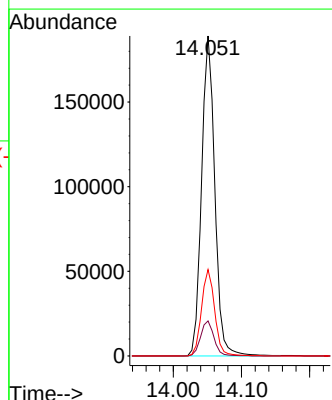
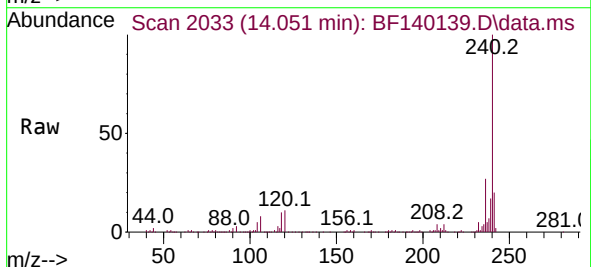
Instrument :
BNA_F
ClientSampleId :
TP-4

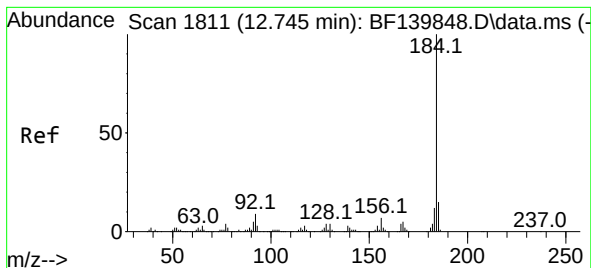
Tgt Ion:248 Resp: 16797
Ion Ratio Lower Upper
248 100
250 196.3 79.0 118.6#
141 494.3 61.7 92.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF140139.D
Acq: 30 Oct 2024 04:14

Tgt Ion:240 Resp: 255394
Ion Ratio Lower Upper
240 100
120 11.0 9.4 14.2
236 27.0 20.9 31.3





#77

Benzidine

Concen: 3.416 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.253 min

Lab File: BF140139.D

Acq: 30 Oct 2024 04:14

Instrument :

BNA_F

ClientSampleId :

TP-4

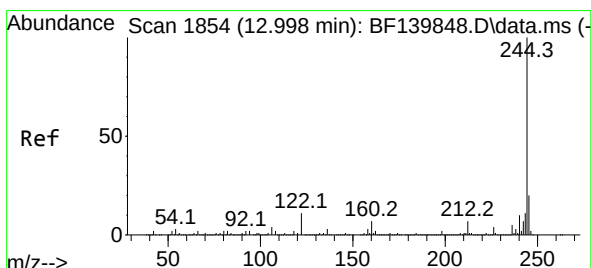
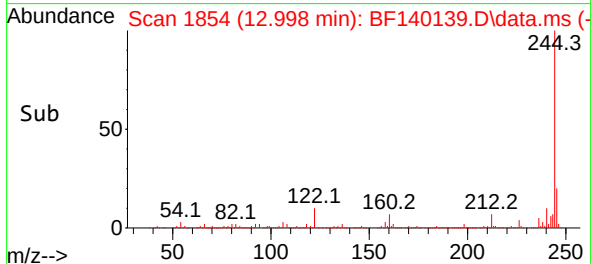
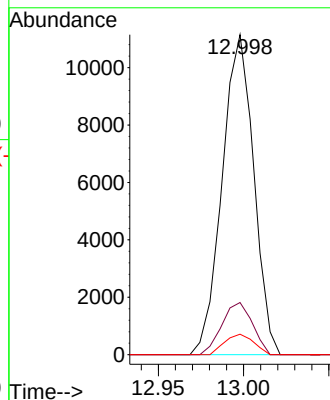
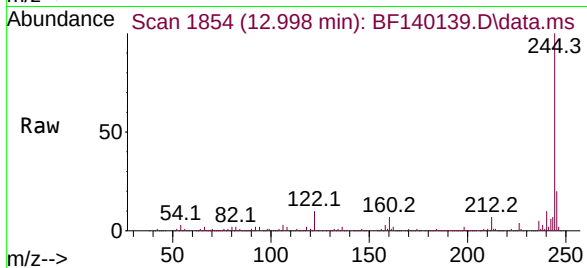
Tgt Ion:184 Resp: 14344

Ion Ratio Lower Upper

184 100

185 16.3 12.0 18.0

183 6.4 9.4 14.2#



#79

Terphenyl-d14

Concen: 73.252 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF140139.D

Acq: 30 Oct 2024 04:14

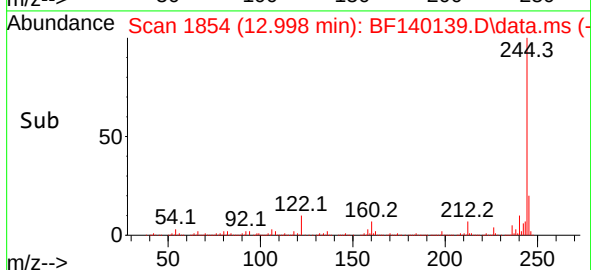
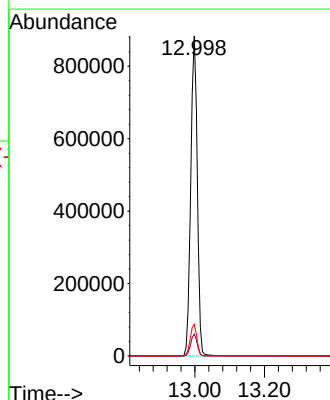
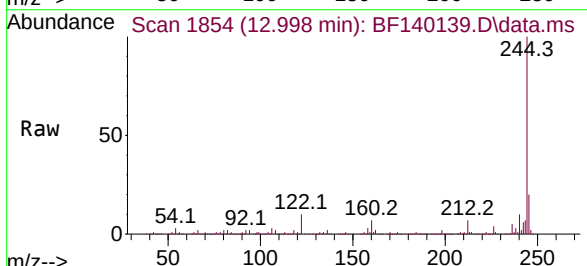
Tgt Ion:244 Resp: 1148103

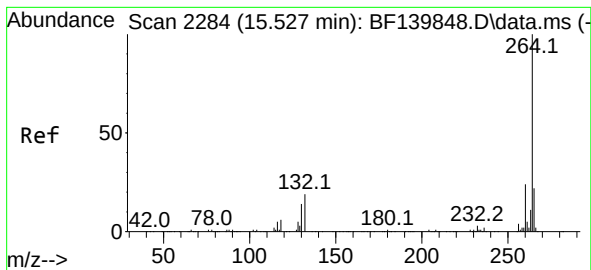
Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 9.9 8.6 13.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF140139.D

Acq: 30 Oct 2024 04:14

Instrument :

BNA_F

ClientSampleId :

TP-4

Tgt Ion:264 Resp: 200557

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

265 20.7 17.4 26.0

