

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103124\
 Data File : BF140187.D
 Acq On : 31 Oct 2024 14:21
 Operator : RC/JU
 Sample : P4611-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Oct 31 15:06:08 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)

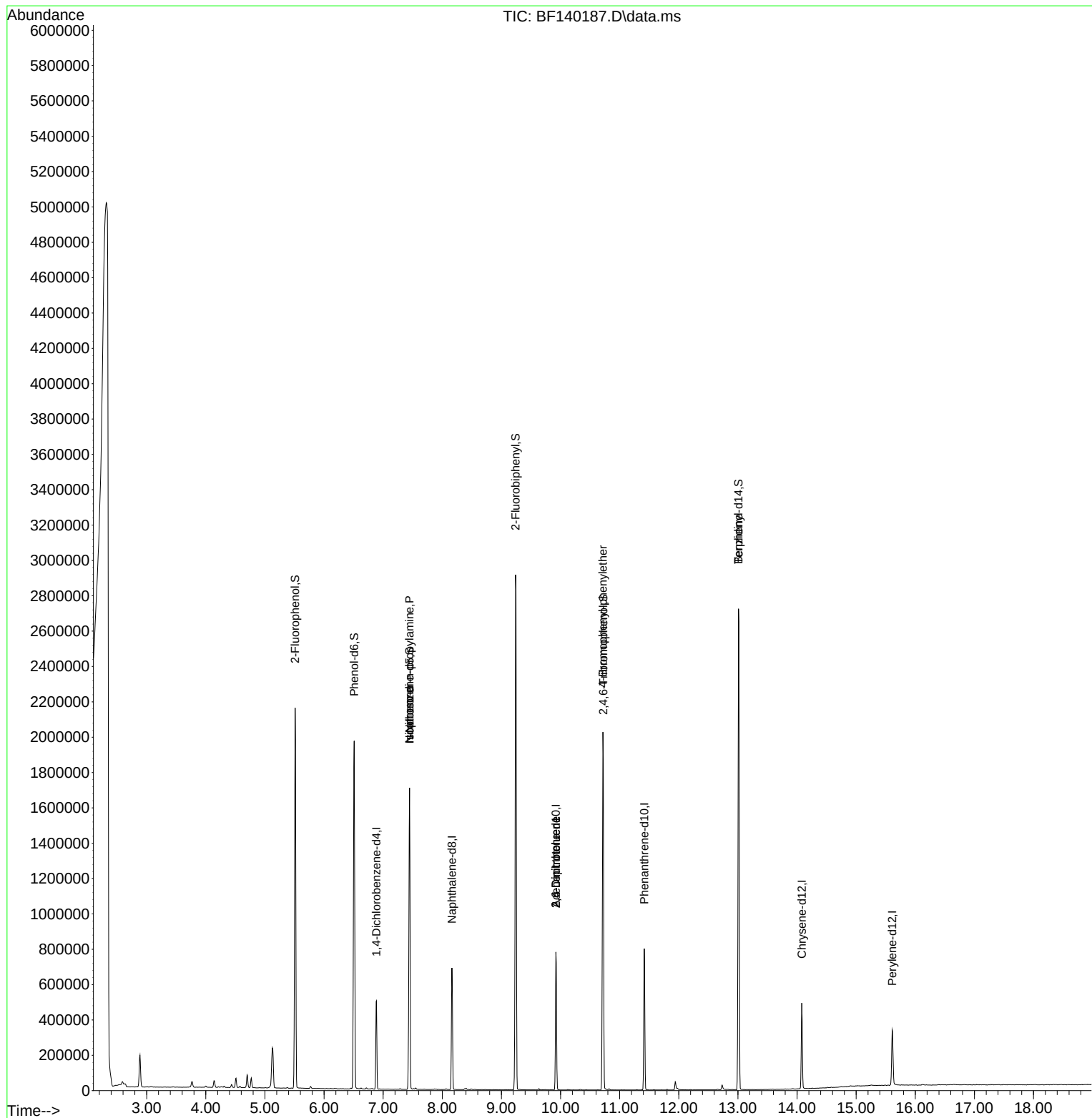
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	104041	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	407225	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	233661	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	417181	20.000	ng	0.00
76) Chrysene-d12	14.080	240	228343	20.000	ng	0.03
86) Perylene-d12	15.610	264	189639	20.000	ng	0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	804652	121.075	ng	0.01
7) Phenol-d6	6.510	99	952781	110.692	ng	0.00
23) Nitrobenzene-d5	7.445	82	783768	106.671	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	364023	166.556	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1357660	96.028	ng	-0.01
79) Terphenyl-d14	13.010	244	1446669	103.236	ng	0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	106711	20.441	ng	# 77
25) Isophorone	7.445	82	780444	55.964	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	29667	9.414	ng	# 22
57) 2,4-Dinitrotoluene	9.922	165	29667	7.656	ng	# 21
67) 4-Bromophenyl-phenylether	10.716	248	22800	5.305	ng	# 1
77) Benzidine	13.010	184	18863	5.024	ng	# 93

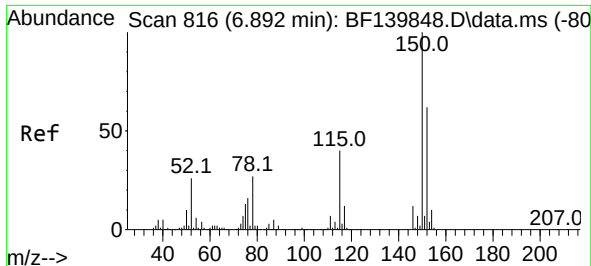
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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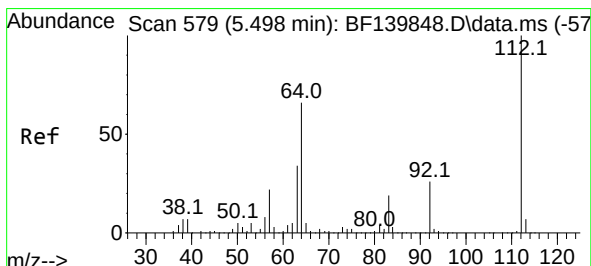
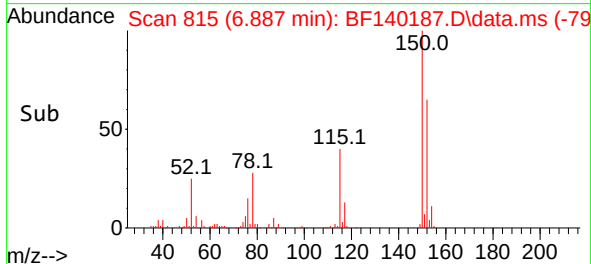
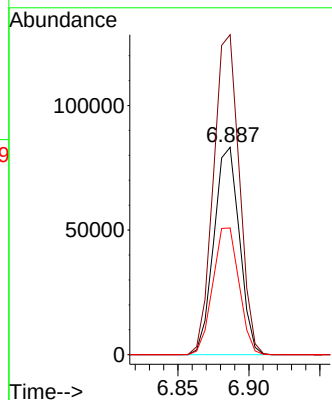
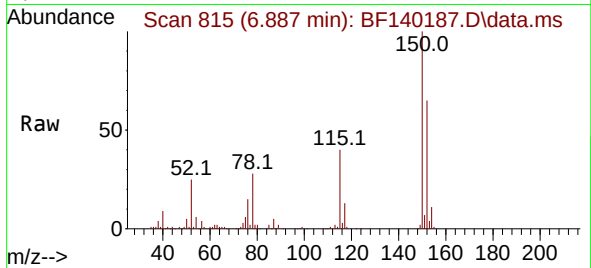




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140187.D
Acq: 31 Oct 2024 14:21

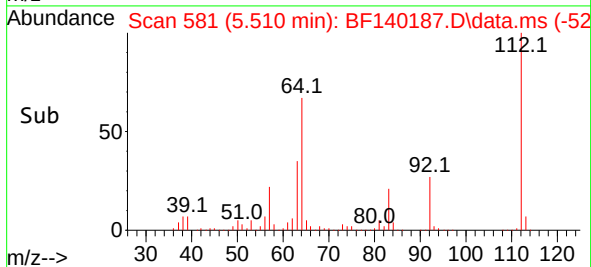
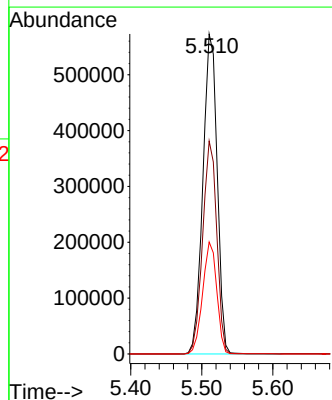
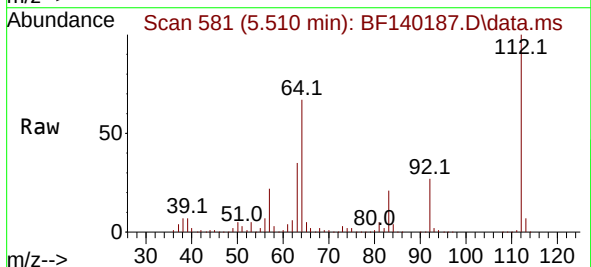
Instrument :
BNA_F
ClientSampleId :
TP-1

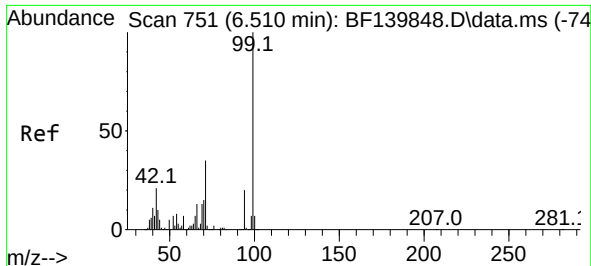
Tgt Ion:152 Resp: 104041
Ion Ratio Lower Upper
152 100
150 154.3 130.2 195.2
115 61.1 51.4 77.2



#5
2-Fluorophenol
Concen: 121.075 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF140187.D
Acq: 31 Oct 2024 14:21

Tgt Ion:112 Resp: 804652
Ion Ratio Lower Upper
112 100
64 66.5 53.0 79.6
63 35.0 27.0 40.4



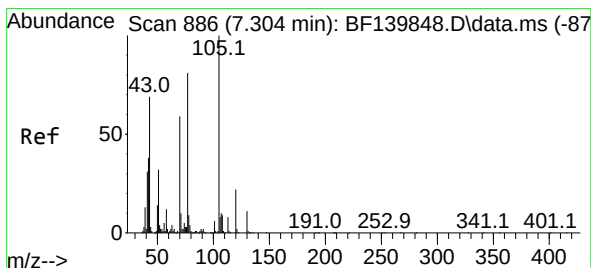
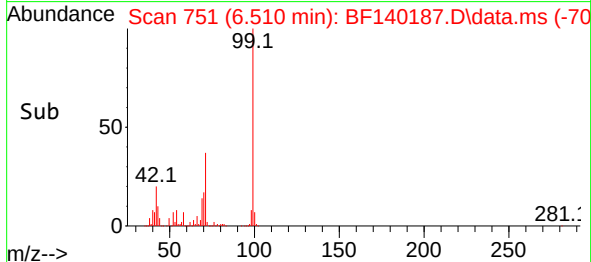
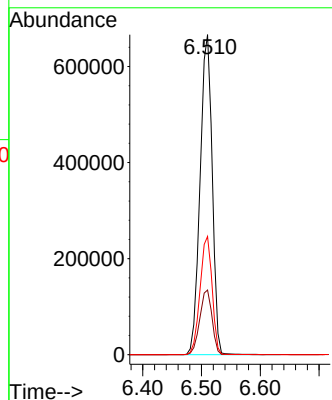
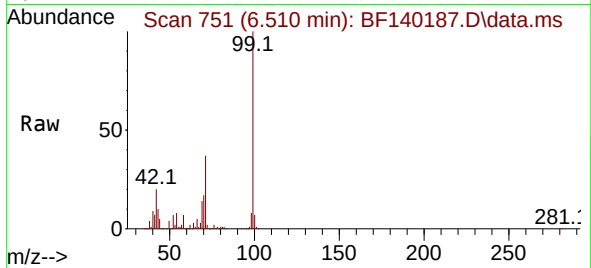


#7
Phenol-d6
Concen: 110.692 ng
RT: 6.510 min Scan# 710
Delta R.T. 0.000 min
Lab File: BF140187.D
Acq: 31 Oct 2024 14:21

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion: 99 Resp: 952781

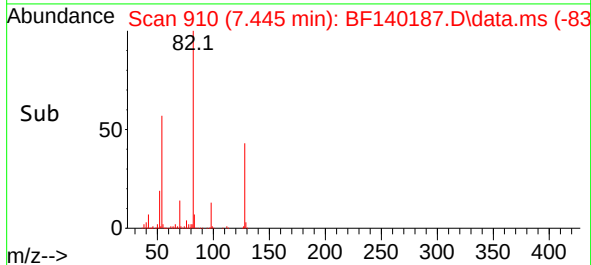
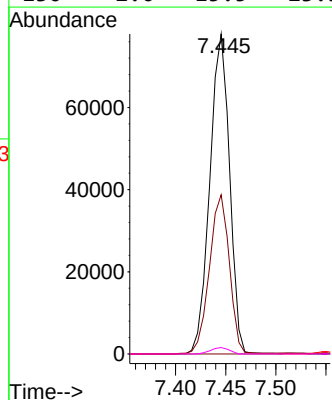
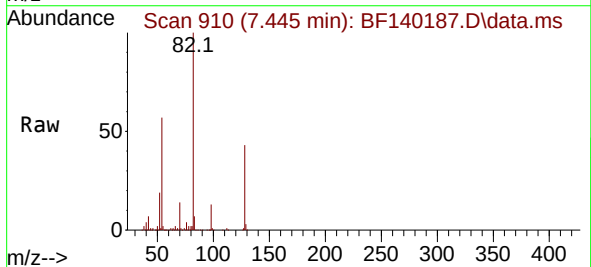
Ion	Ratio	Lower	Upper
99	100		
42	20.2	16.7	25.1
71	37.0	27.7	41.5

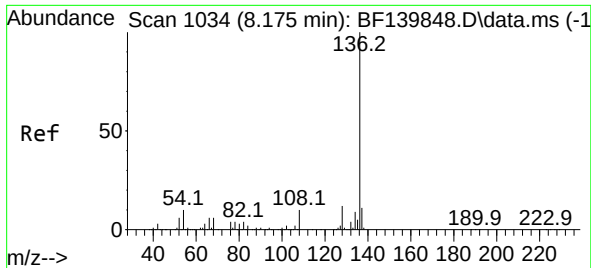


#19
n-Nitroso-di-n-propylamine
Concen: 20.441 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140187.D
Acq: 31 Oct 2024 14:21

Tgt Ion: 70 Resp: 106711

Ion	Ratio	Lower	Upper
70	100		
42	49.7	51.5	77.3#
101	0.0	7.5	11.3#
130	2.0	15.5	23.3#



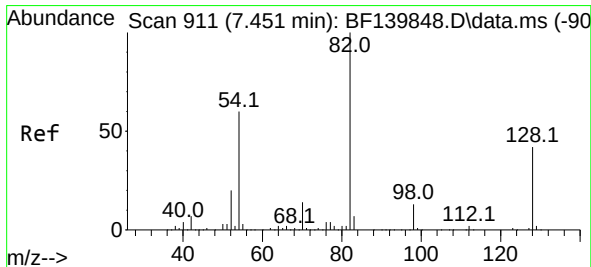
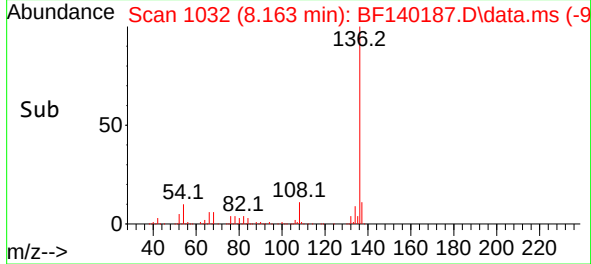
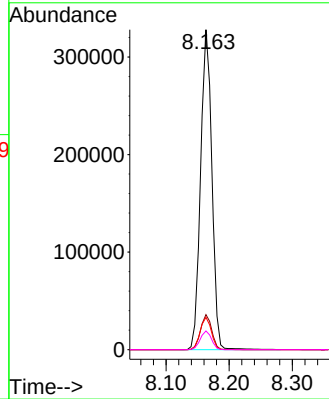
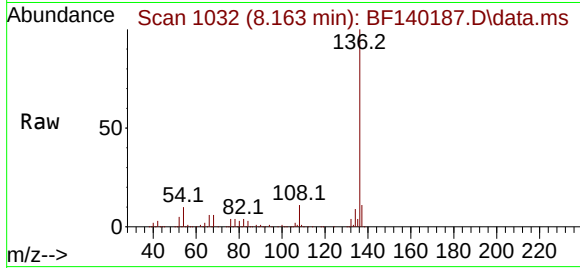


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF140187.D
Acq: 31 Oct 2024 14:21

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:136 Resp: 407225

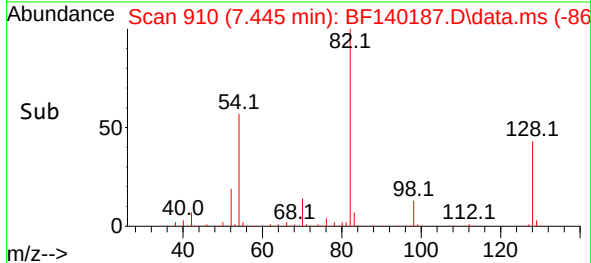
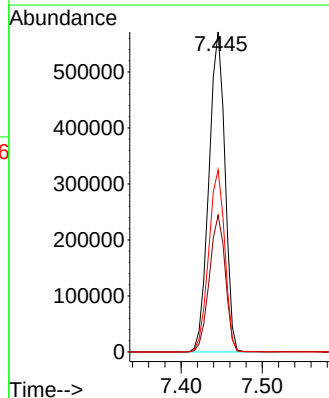
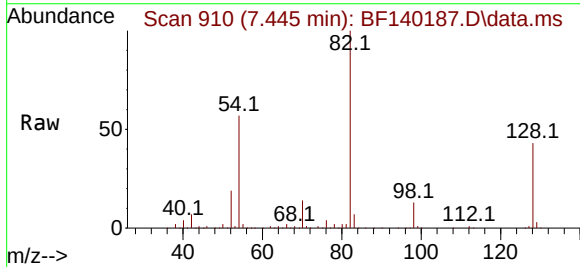
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	10.1	8.4	12.6
68	5.8	5.1	7.7

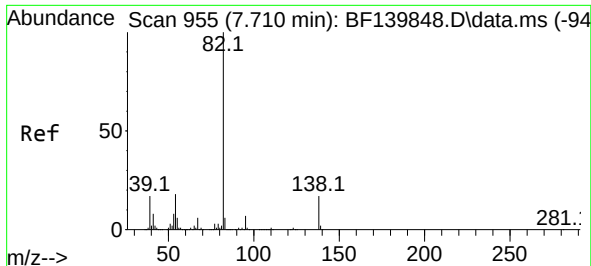


#23
Nitrobenzene-d5
Concen: 106.671 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140187.D
Acq: 31 Oct 2024 14:21

Tgt Ion: 82 Resp: 783768

Ion	Ratio	Lower	Upper
82	100		
128	42.8	33.4	50.0
54	56.9	47.8	71.8

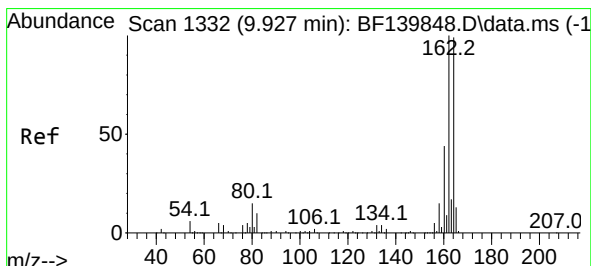
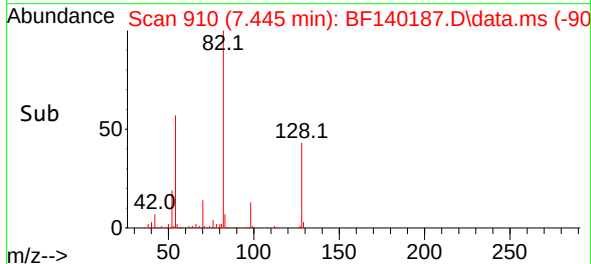
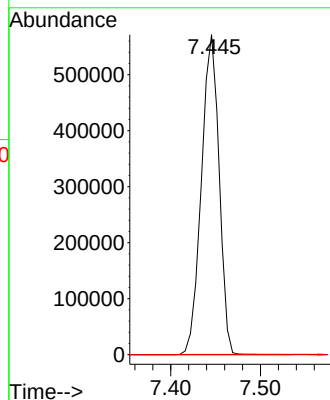
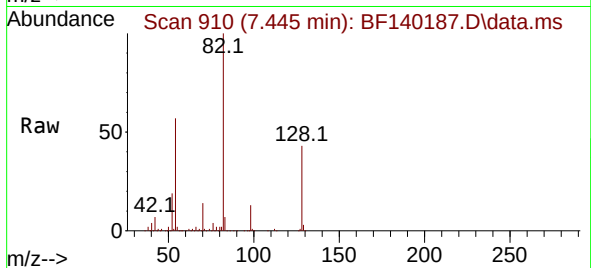




#25
Isophorone
Concen: 55.964 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.264 min
Lab File: BF140187.D
Acq: 31 Oct 2024 14:21

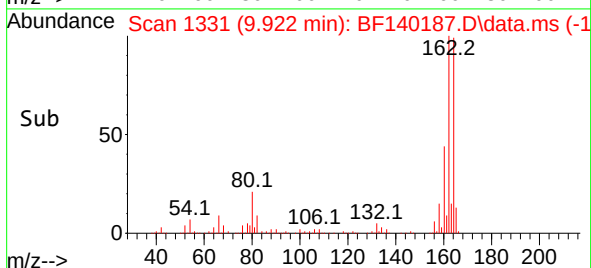
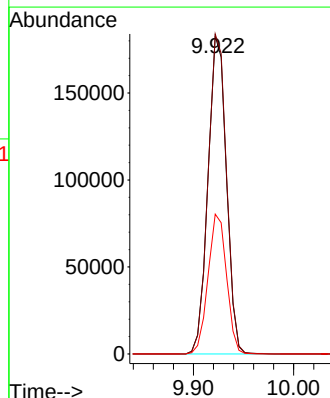
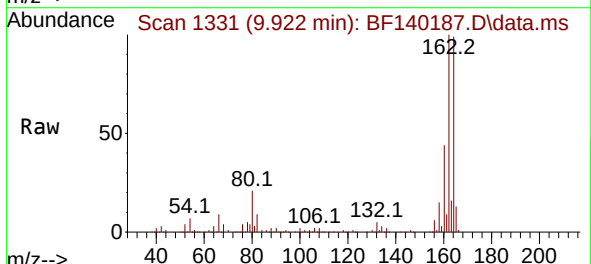
Instrument :
BNA_F
ClientSampleId :
TP-1

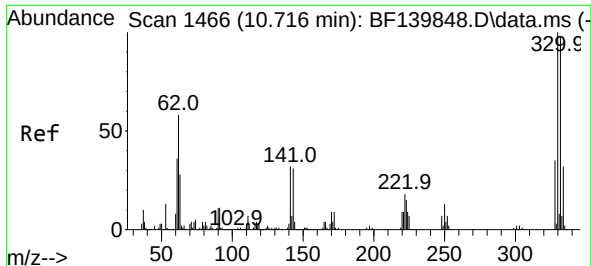
Tgt Ion: 82 Resp: 780444
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140187.D
Acq: 31 Oct 2024 14:21

Tgt Ion: 164 Resp: 233661
Ion Ratio Lower Upper
164 100
162 100.7 81.0 121.4
160 44.0 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 166.556 ng

RT: 10.722 min Scan# 1467

Delta R.T. 0.006 min

Lab File: BF140187.D

Acq: 31 Oct 2024 14:21

Instrument :

BNA_F

ClientSampleId :

TP-1

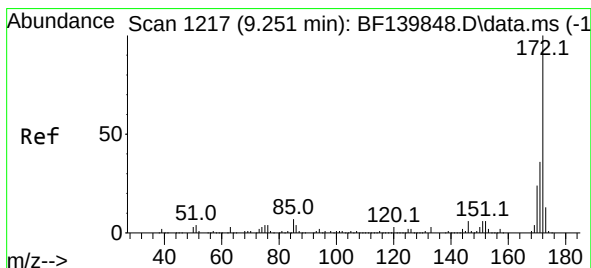
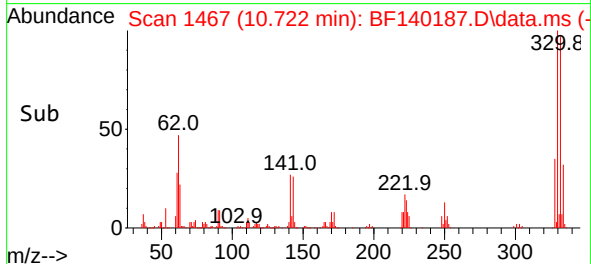
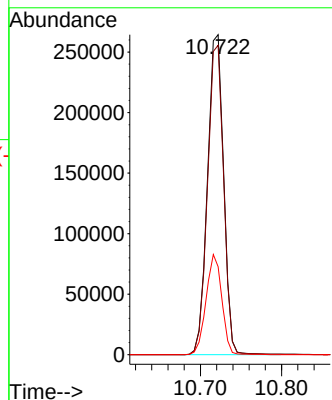
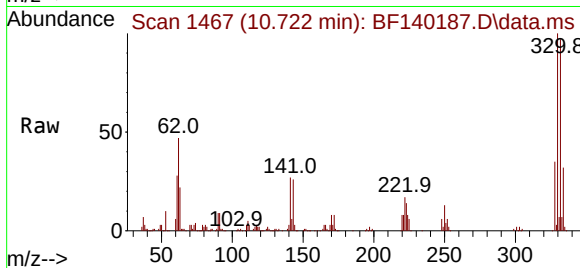
Tgt Ion:330 Resp: 364023

Ion Ratio Lower Upper

330 100

332 96.7 78.1 117.1

141 30.6 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 96.028 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.012 min

Lab File: BF140187.D

Acq: 31 Oct 2024 14:21

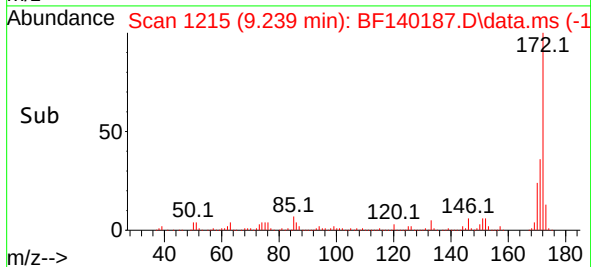
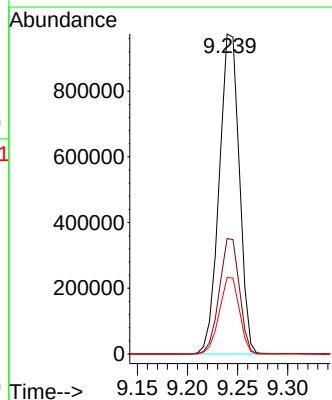
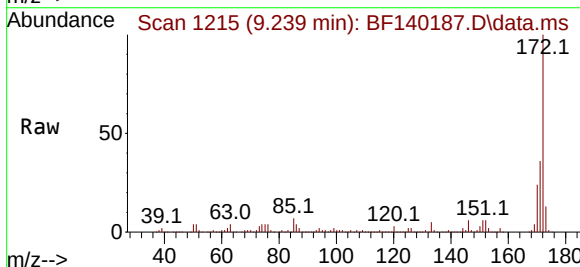
Tgt Ion:172 Resp: 1357660

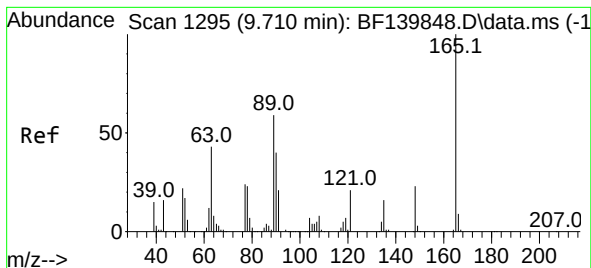
Ion Ratio Lower Upper

172 100

171 36.1 28.6 43.0

170 23.9 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 9.414 ng

RT: 9.922 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF140187.D

Acq: 31 Oct 2024 14:21

Instrument :

BNA_F

ClientSampleId :

TP-1

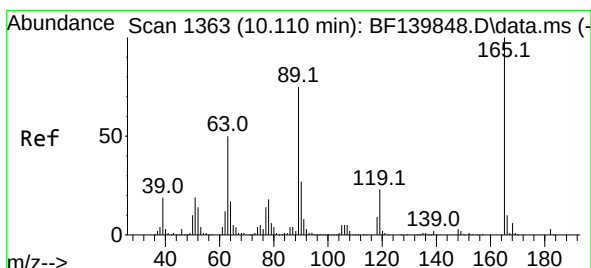
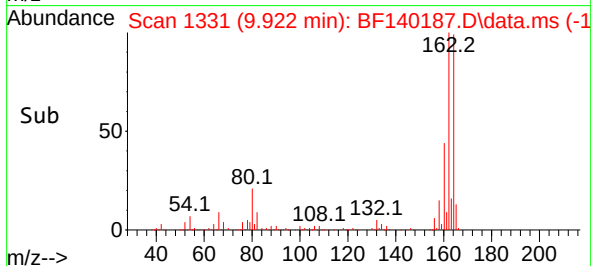
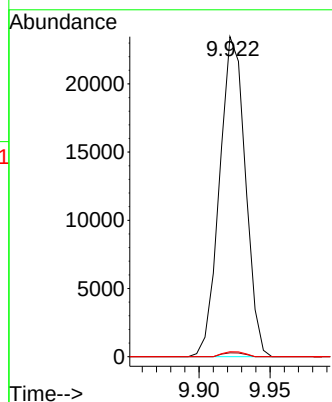
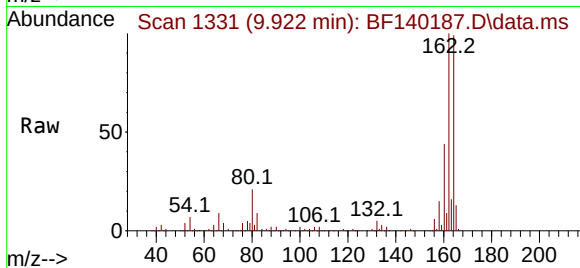
Tgt Ion:165 Resp: 29667

Ion Ratio Lower Upper

165 100

63 1.2 50.6 75.8#

89 1.5 47.5 71.3#



#57

2,4-Dinitrotoluene

Concen: 7.656 ng

RT: 9.922 min Scan# 1331

Delta R.T. -0.188 min

Lab File: BF140187.D

Acq: 31 Oct 2024 14:21

Tgt Ion:165 Resp: 29667

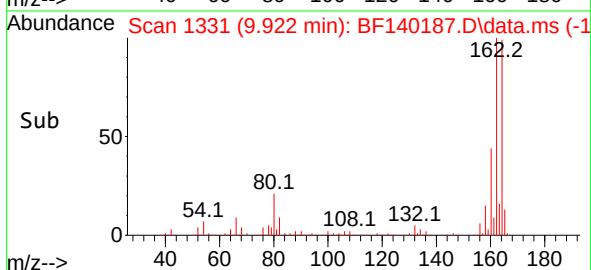
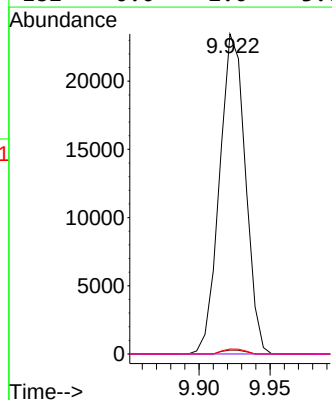
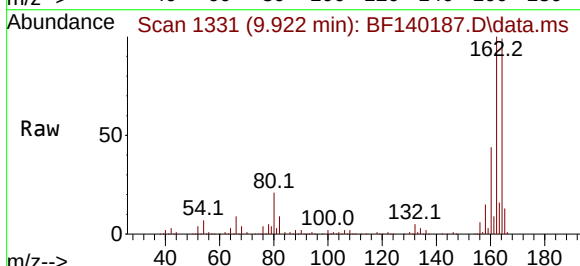
Ion Ratio Lower Upper

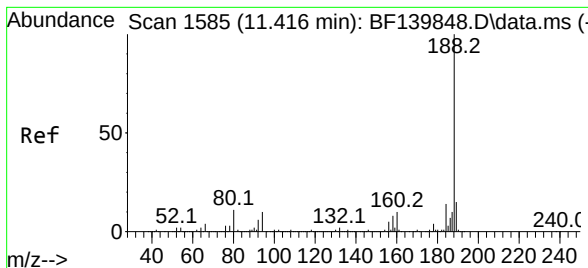
165 100

63 1.2 40.1 60.1#

89 1.5 60.4 90.6#

182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF140187.D

Acq: 31 Oct 2024 14:21

Instrument :

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ClientSampleId :

TP-1

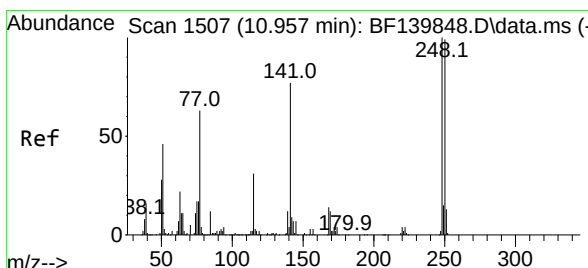
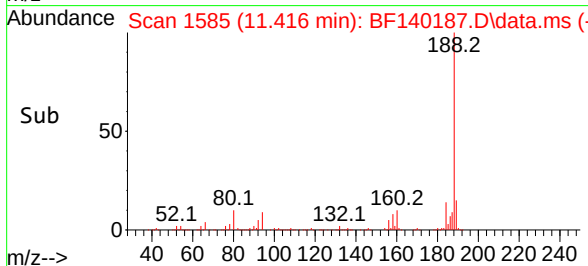
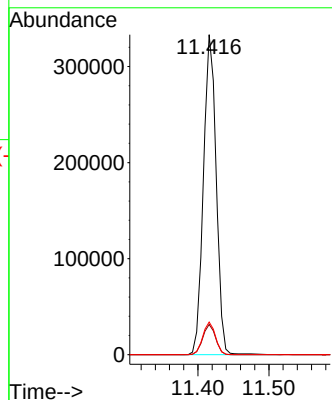
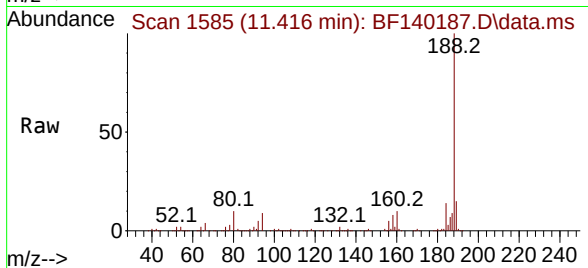
Tgt Ion:188 Resp: 417181

Ion Ratio Lower Upper

188 100

94 9.4 7.9 11.9

80 10.2 9.0 13.4



#67

4-Bromophenyl-phenylether

Concen: 5.305 ng

RT: 10.716 min Scan# 1466

Delta R.T. -0.241 min

Lab File: BF140187.D

Acq: 31 Oct 2024 14:21

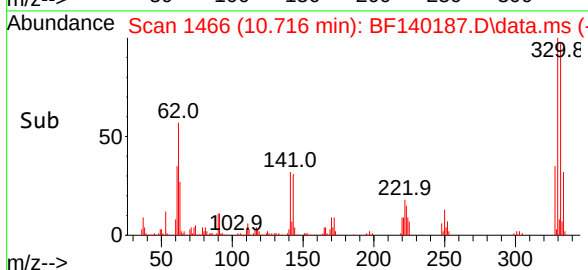
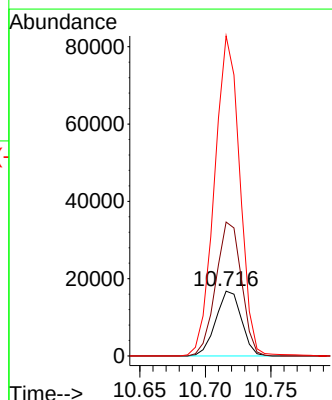
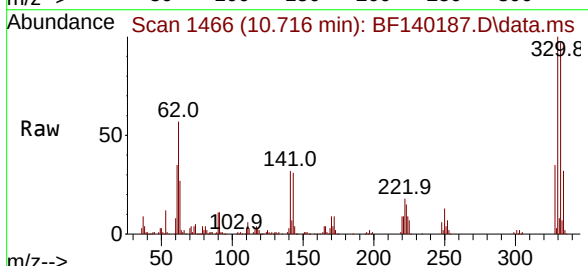
Tgt Ion:248 Resp: 22800

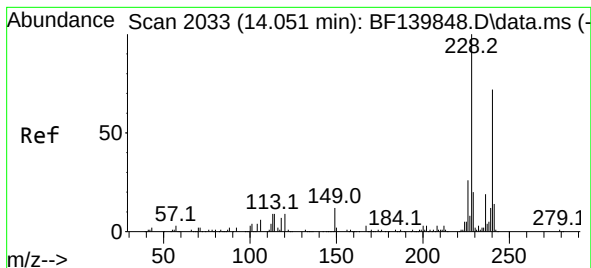
Ion Ratio Lower Upper

248 100

250 206.5 79.0 118.6#

141 493.8 61.7 92.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.030 min

Lab File: BF140187.D

Acq: 31 Oct 2024 14:21

Instrument :

BNA_F

ClientSampleId :

TP-1

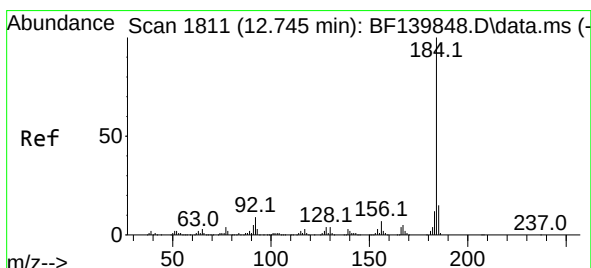
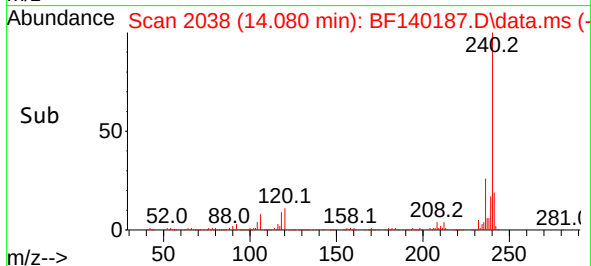
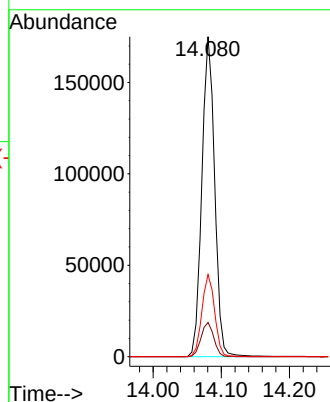
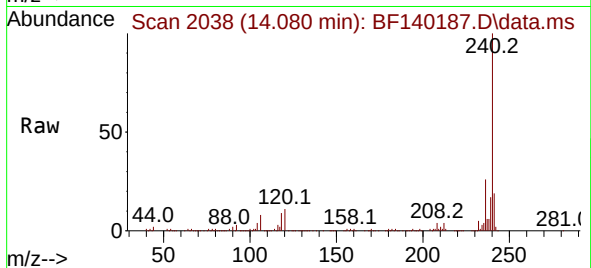
Tgt Ion:240 Resp: 228343

Ion Ratio Lower Upper

240 100

120 10.7 9.4 14.2

236 25.6 20.9 31.3



#77

Benzidine

Concen: 5.024 ng

RT: 13.010 min Scan# 1856

Delta R.T. 0.265 min

Lab File: BF140187.D

Acq: 31 Oct 2024 14:21

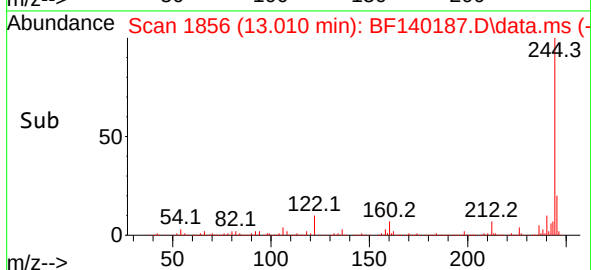
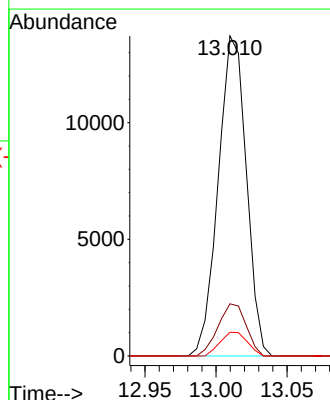
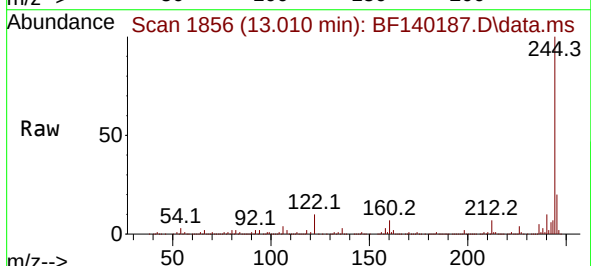
Tgt Ion:184 Resp: 18863

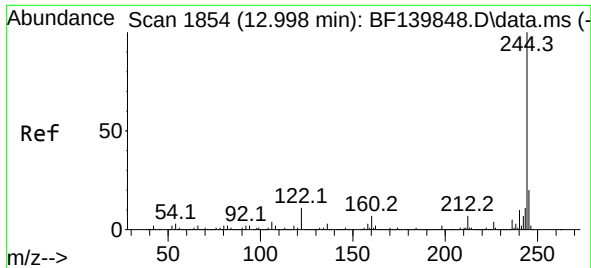
Ion Ratio Lower Upper

184 100

185 16.3 12.0 18.0

183 7.4 9.4 14.2#

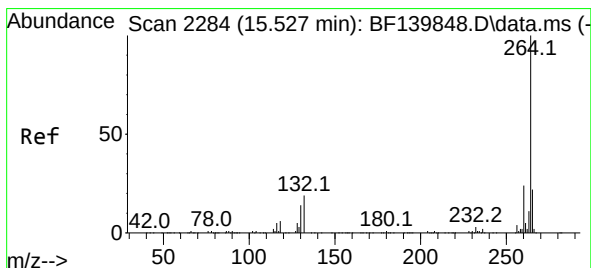
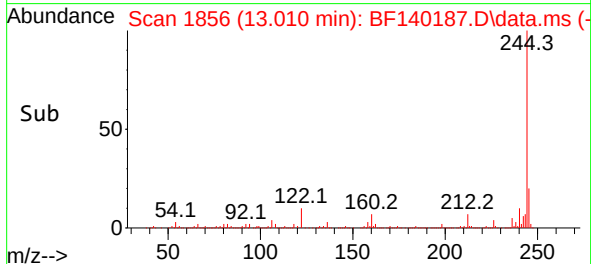
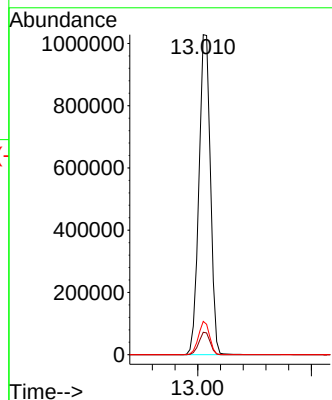
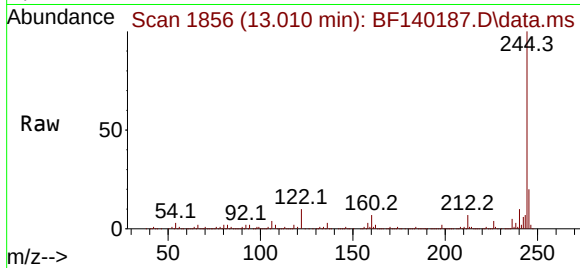




#79
 Terphenyl-d14
 Concen: 103.236 ng
 RT: 13.010 min Scan# 1854
 Delta R.T. 0.012 min
 Lab File: BF140187.D
 Acq: 31 Oct 2024 14:21

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tgt Ion:244 Resp: 1446669
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.7 8.5
 122 10.4 8.6 13.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.610 min Scan# 2298
 Delta R.T. 0.083 min
 Lab File: BF140187.D
 Acq: 31 Oct 2024 14:21

Tgt Ion:264 Resp: 189639
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.4 29.2
 265 21.7 17.4 26.0

