

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102924\
 Data File : BF140137.D
 Acq On : 30 Oct 2024 03:22
 Operator : RC/JU
 Sample : P4597-03
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RED-1-1

Quant Time: Oct 30 04:08:41 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)

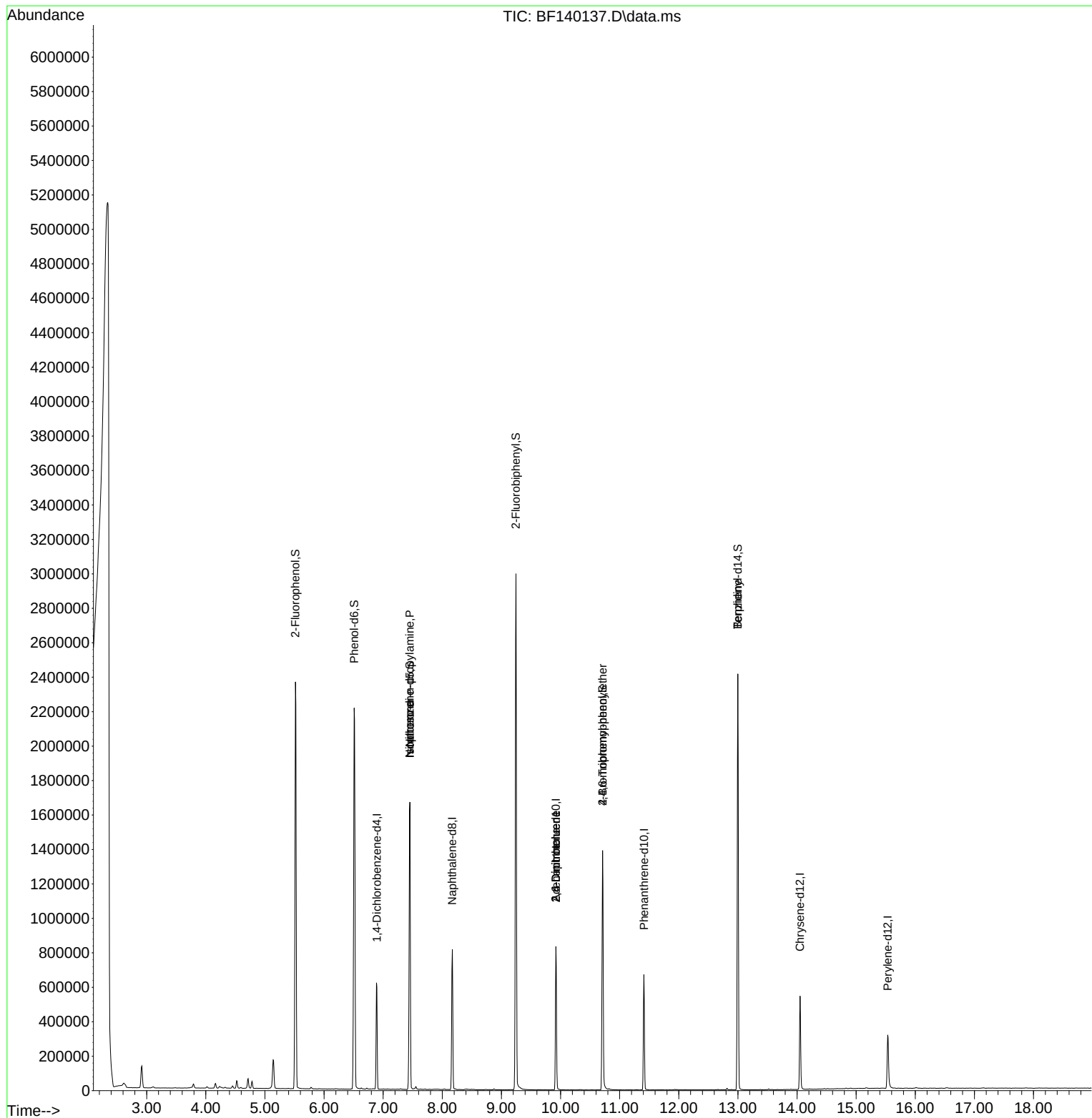
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	125621	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	488828	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	246659	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	349061	20.000	ng	0.00
76) Chrysene-d12	14.051	240	265078	20.000	ng	0.00
86) Perylene-d12	15.533	264	210669	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	914305	113.941	ng	0.02
7) Phenol-d6	6.510	99	1136921	109.394	ng	0.00
23) Nitrobenzene-d5	7.451	82	792117	89.811	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	242947	105.301	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1377241	92.280	ng	0.00
79) Terphenyl-d14	12.998	244	1216604	74.787	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	106955	16.968	ng	# 77
25) Isophorone	7.451	82	787011	47.014	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	32337	9.721	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	32338	7.905	ng	# 21
67) 4-Bromophenyl-phenylether	10.710	248	16021	4.455	ng	# 1
77) Benzidine	12.998	184	15614	3.582	ng	# 94

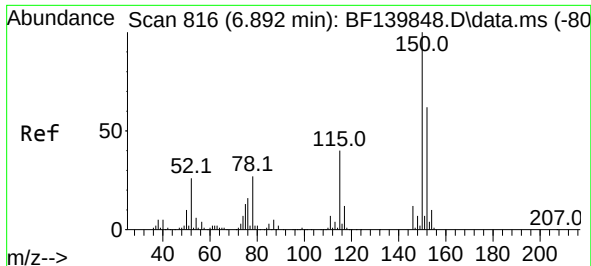
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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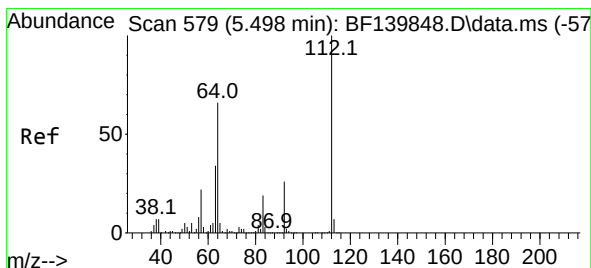
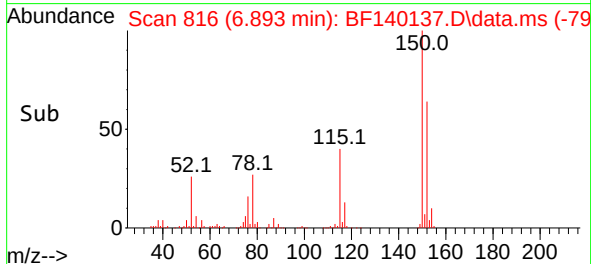
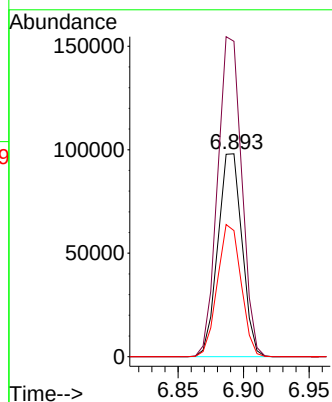
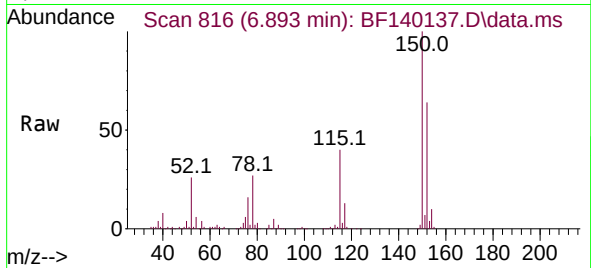




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 816
Delta R.T. 0.001 min
Lab File: BF140137.D
Acq: 30 Oct 2024 03:22

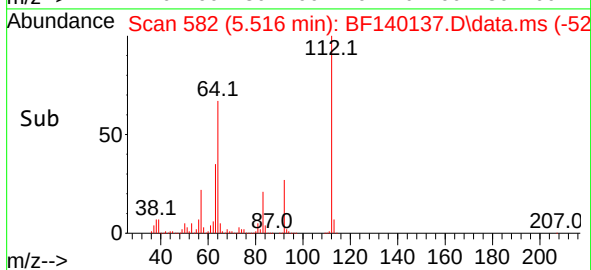
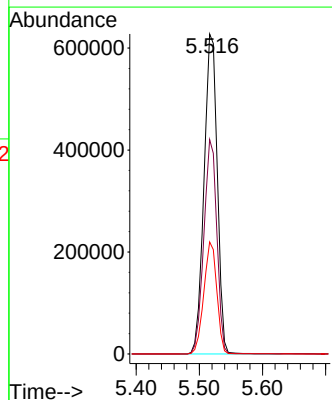
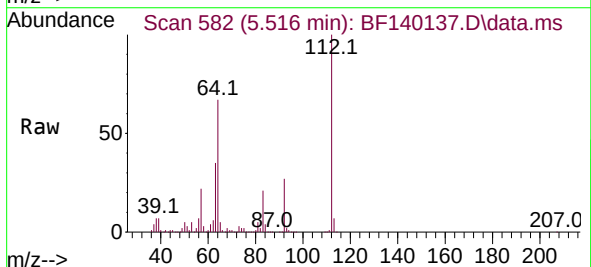
Instrument :
BNA_F
ClientSampleId :
RED-1-1

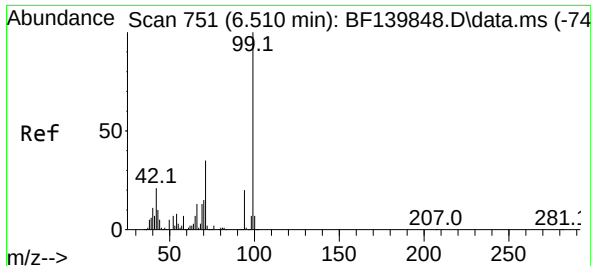
Tgt Ion:152 Resp: 125621
Ion Ratio Lower Upper
152 100
150 155.5 130.2 195.2
115 62.2 51.4 77.2



#5
2-Fluorophenol
Concen: 113.941 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.018 min
Lab File: BF140137.D
Acq: 30 Oct 2024 03:22

Tgt Ion:112 Resp: 914305
Ion Ratio Lower Upper
112 100
64 67.0 53.0 79.6
63 35.0 27.0 40.4

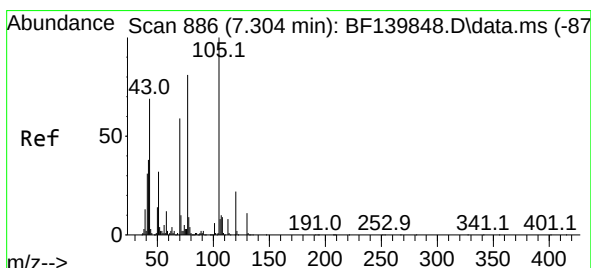
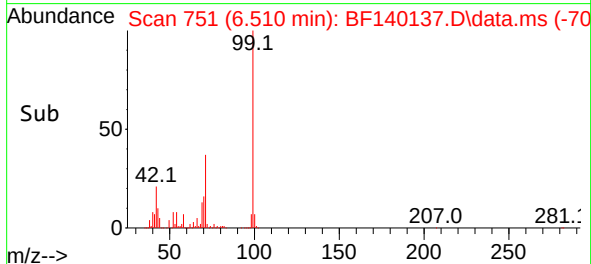
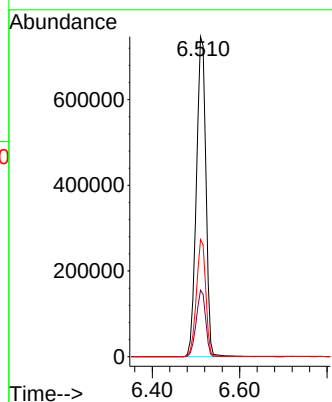
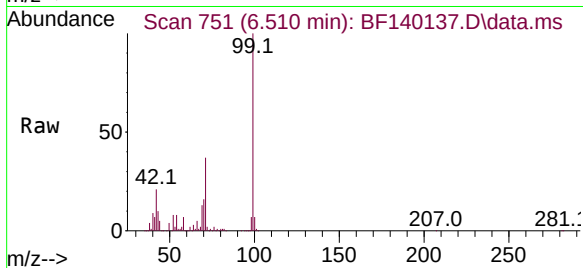




#7
Phenol-d6
Concen: 109.394 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF140137.D
Acq: 30 Oct 2024 03:22

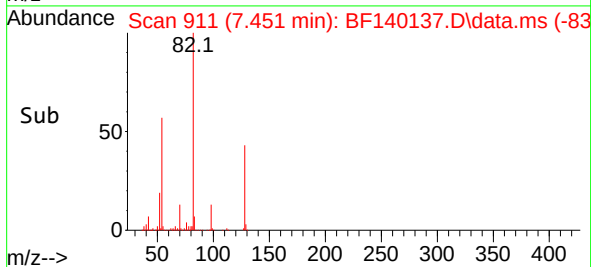
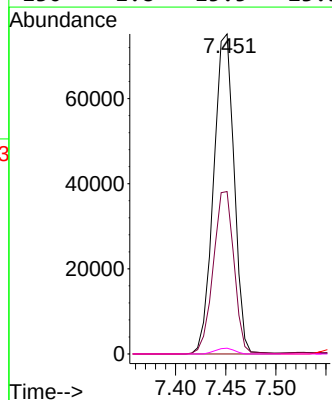
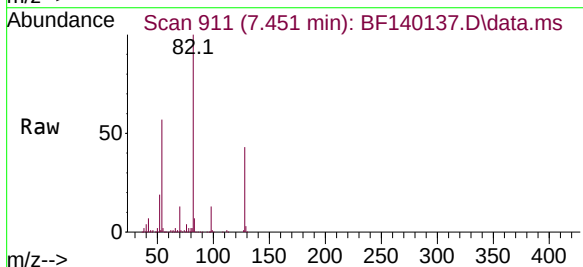
Instrument :
BNA_F
ClientSampleId :
RED-1-1

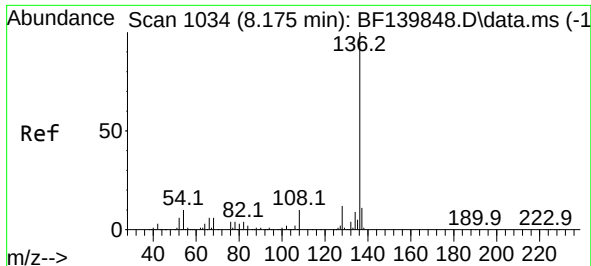
Tgt Ion: 99 Resp: 1136921
Ion Ratio Lower Upper
99 100
42 20.8 16.7 25.1
71 36.6 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 16.968 ng
RT: 7.451 min Scan# 911
Delta R.T. 0.147 min
Lab File: BF140137.D
Acq: 30 Oct 2024 03:22

Tgt Ion: 70 Resp: 106955
Ion Ratio Lower Upper
70 100
42 50.8 51.5 77.3#
101 0.0 7.5 11.3#
130 1.8 15.5 23.3#



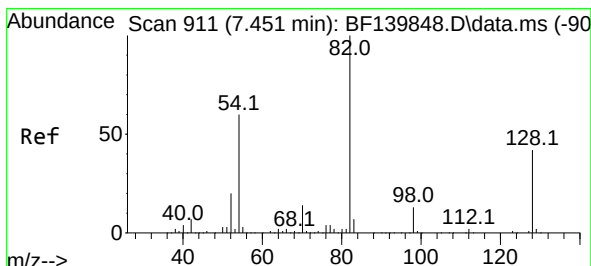
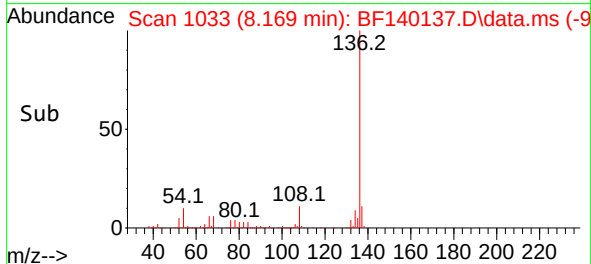
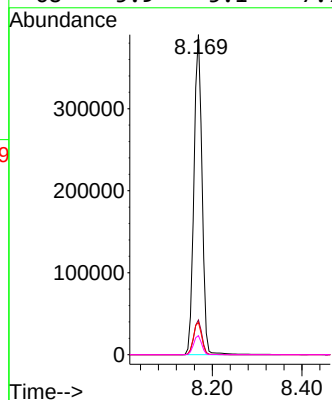
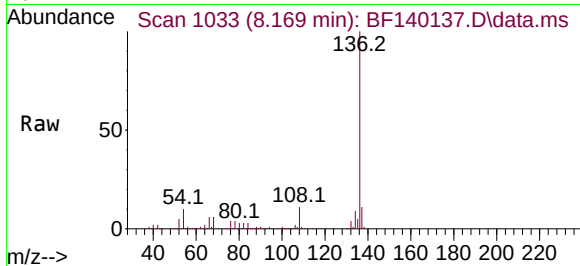


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF140137.D
Acq: 30 Oct 2024 03:22

Instrument :
BNA_F
ClientSampleId :
RED-1-1

Tgt Ion:136 Resp: 488828

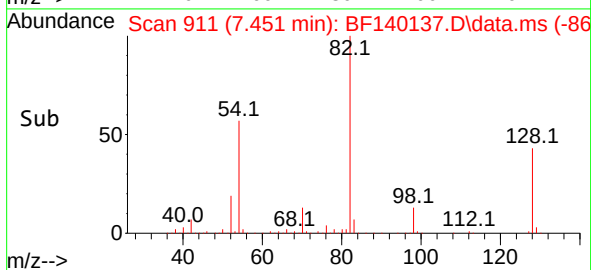
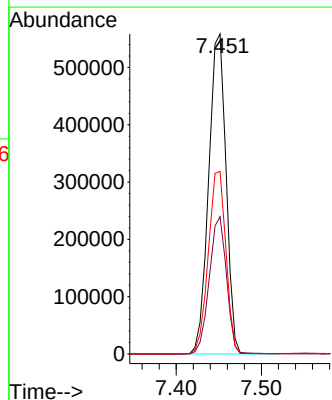
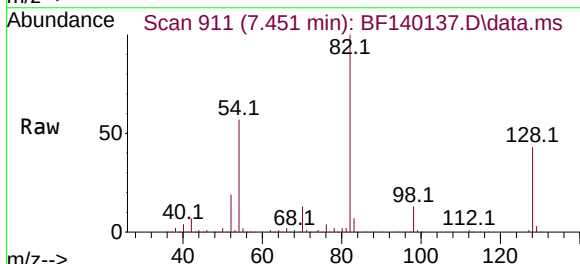
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	10.1	8.4	12.6
68	5.9	5.1	7.7

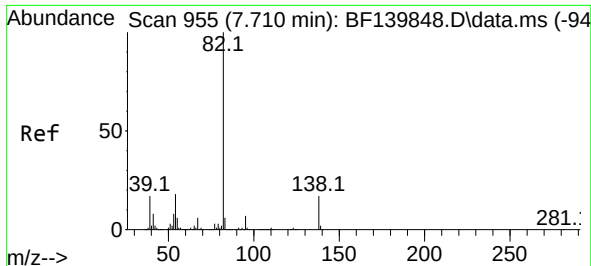


#23
Nitrobenzene-d5
Concen: 89.811 ng
RT: 7.451 min Scan# 911
Delta R.T. 0.000 min
Lab File: BF140137.D
Acq: 30 Oct 2024 03:22

Tgt Ion: 82 Resp: 792117

Ion	Ratio	Lower	Upper
82	100		
128	42.9	33.4	50.0
54	57.1	47.8	71.8

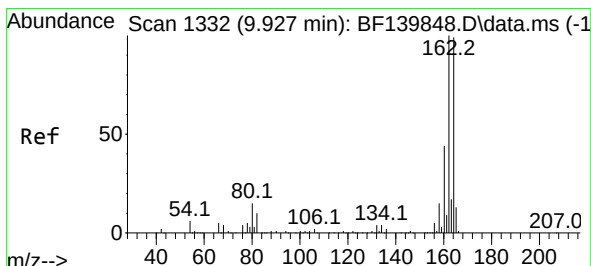
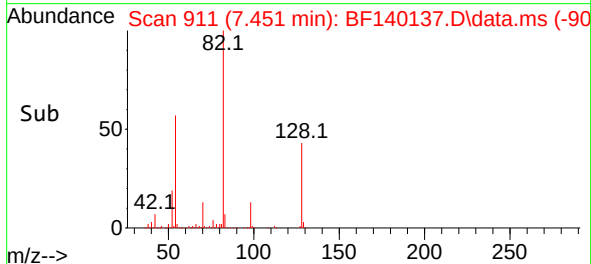
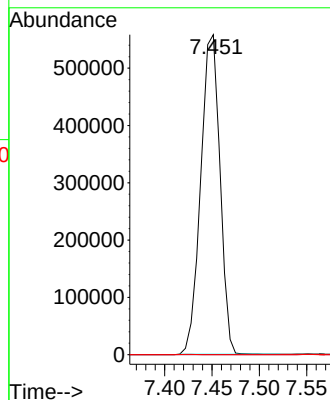
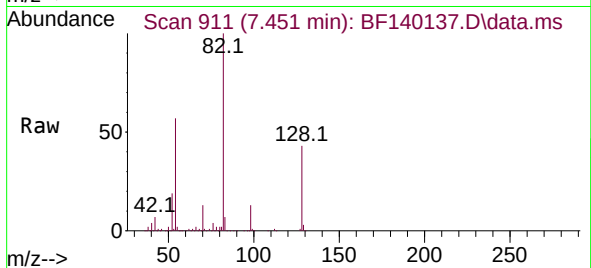




#25
Isophorone
Concen: 47.014 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.259 min
Lab File: BF140137.D
Acq: 30 Oct 2024 03:22

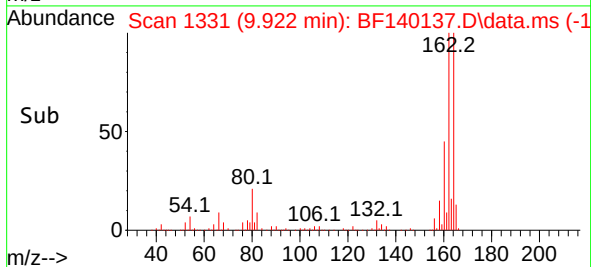
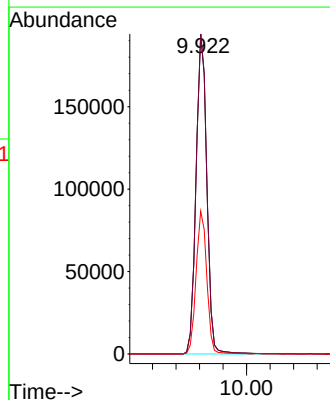
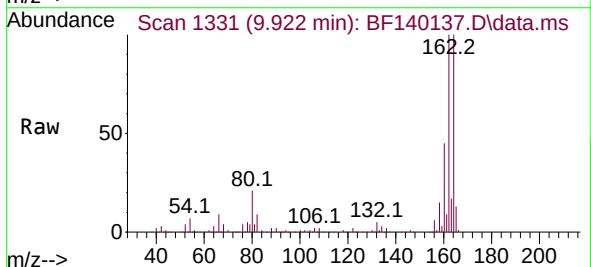
Instrument :
BNA_F
ClientSampleId :
RED-1-1

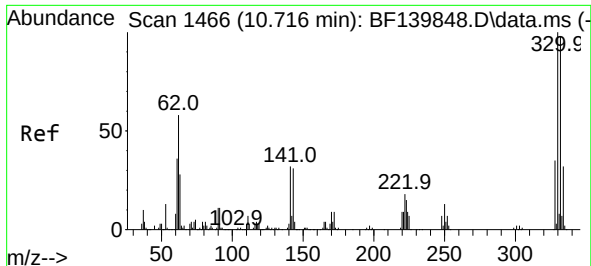
Tgt Ion: 82 Resp: 787011
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140137.D
Acq: 30 Oct 2024 03:22

Tgt Ion:164 Resp: 246659
Ion Ratio Lower Upper
164 100
162 100.0 81.0 121.4
160 44.7 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 105.301 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF140137.D

Acq: 30 Oct 2024 03:22

Instrument :

BNA_F

ClientSampleId :

RED-1-1

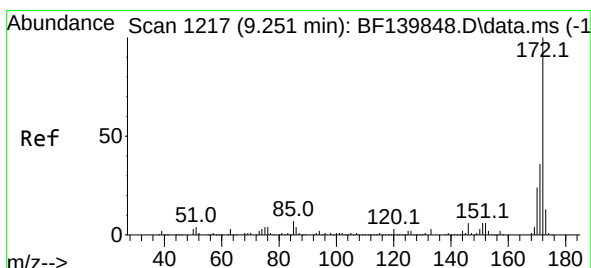
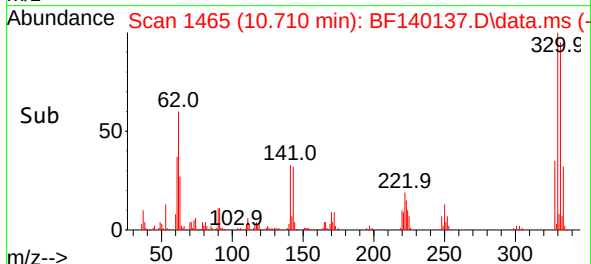
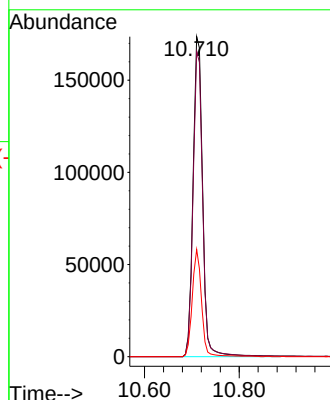
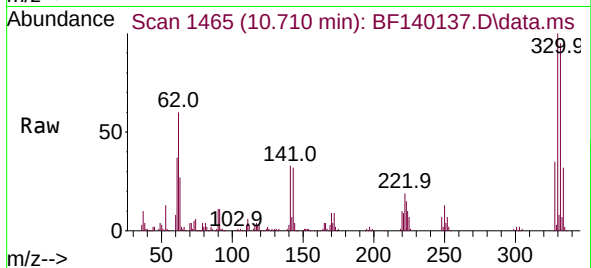
Tgt Ion:330 Resp: 242947

Ion Ratio Lower Upper

330 100

332 95.8 78.1 117.1

141 32.6 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 92.280 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF140137.D

Acq: 30 Oct 2024 03:22

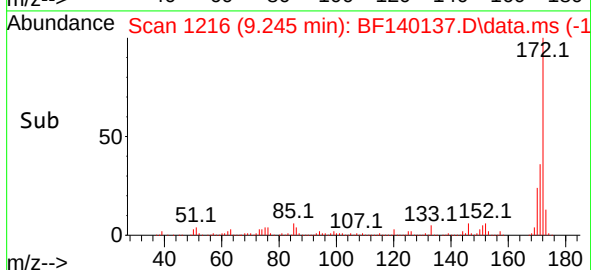
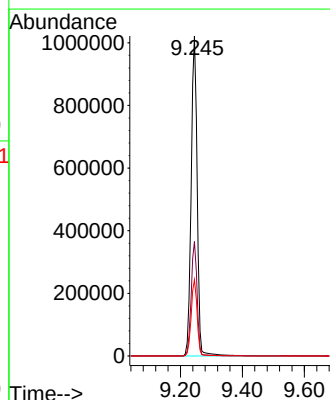
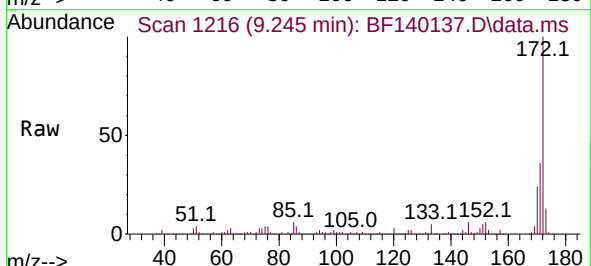
Tgt Ion:172 Resp: 1377241

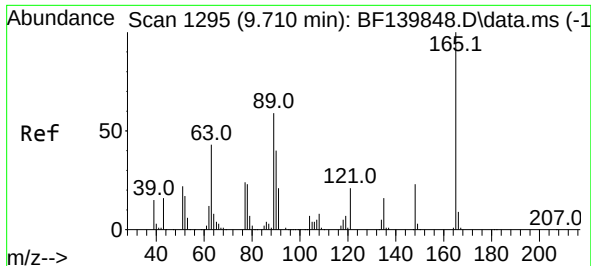
Ion Ratio Lower Upper

172 100

171 35.7 28.6 43.0

170 23.8 19.1 28.7

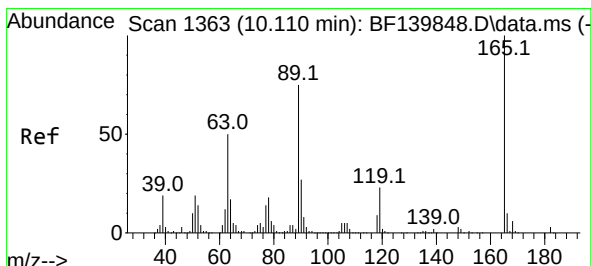
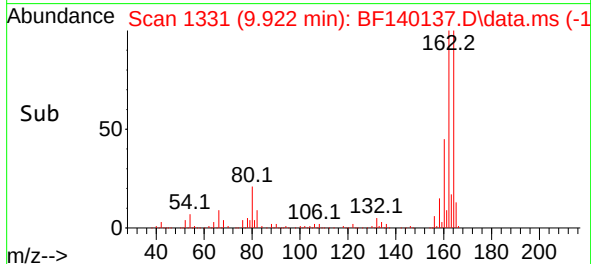
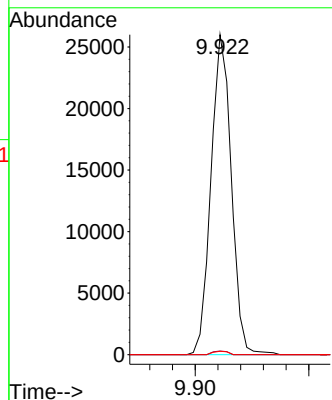
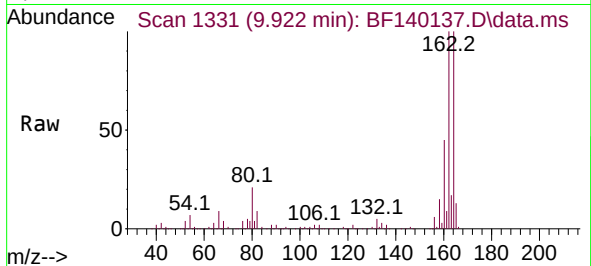




#51
2,6-Dinitrotoluene
Concen: 9.721 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF140137.D
Acq: 30 Oct 2024 03:22

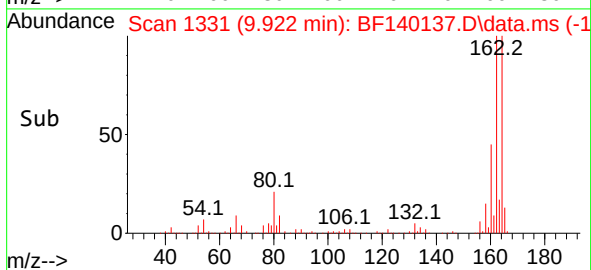
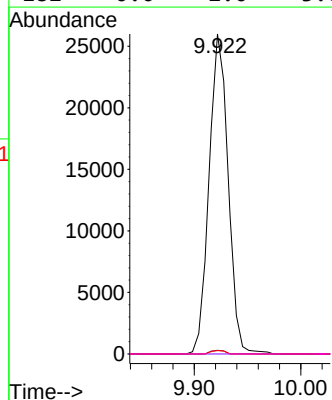
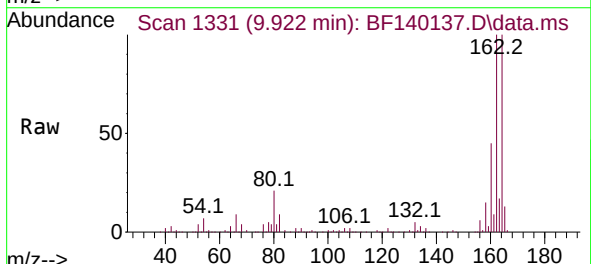
Instrument :
BNA_F
ClientSampleId :
RED-1-1

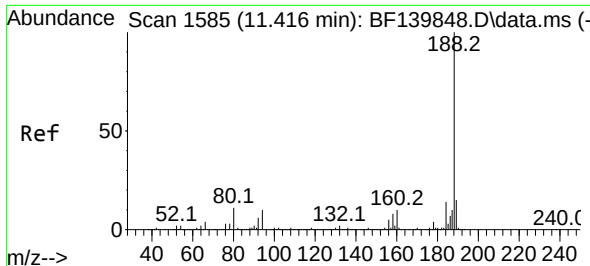
Tgt Ion:165 Resp: 32337
Ion Ratio Lower Upper
165 100
63 1.1 50.6 75.8#
89 1.1 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.905 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140137.D
Acq: 30 Oct 2024 03:22

Tgt Ion:165 Resp: 32338
Ion Ratio Lower Upper
165 100
63 1.1 40.1 60.1#
89 1.1 60.4 90.6#
182 0.0 2.0 3.0#

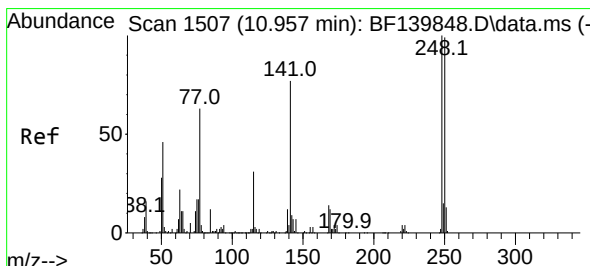
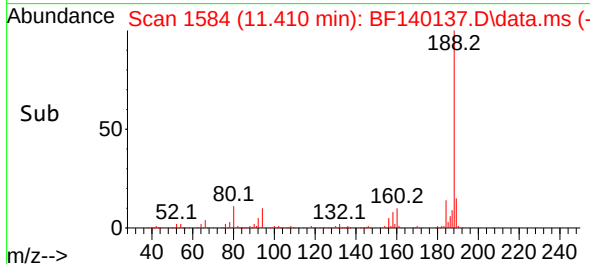
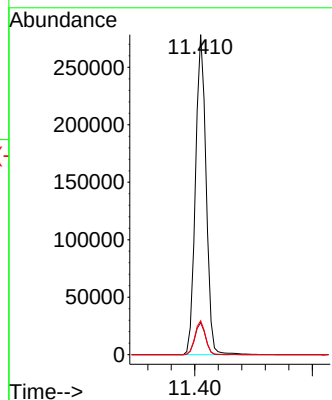
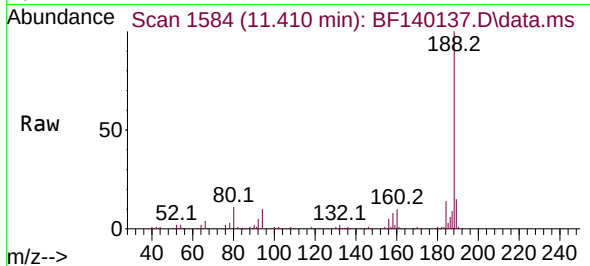




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140137.D
Acq: 30 Oct 2024 03:22

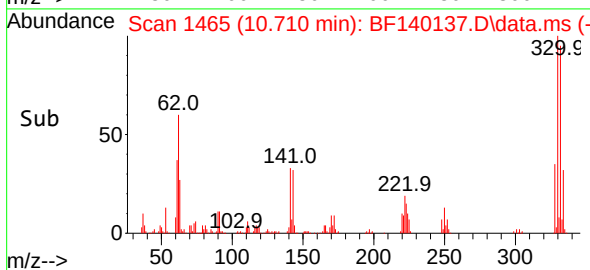
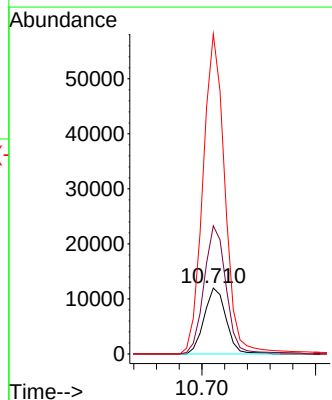
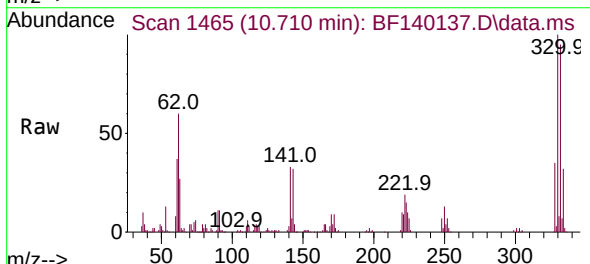
Instrument :
BNA_F
ClientSampleId :
RED-1-1

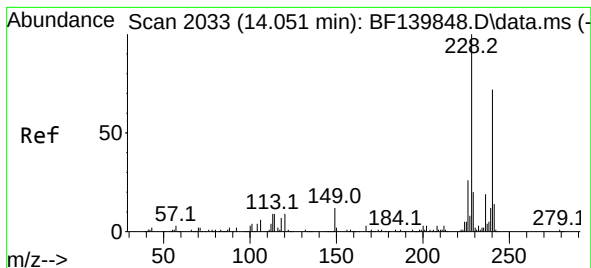
Tgt Ion:188 Resp: 349061
Ion Ratio Lower Upper
188 100
94 10.0 7.9 11.9
80 10.6 9.0 13.4



#67
4-Bromophenyl-phenylether
Concen: 4.455 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.247 min
Lab File: BF140137.D
Acq: 30 Oct 2024 03:22

Tgt Ion:248 Resp: 16021
Ion Ratio Lower Upper
248 100
250 194.5 79.0 118.6#
141 485.3 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: BF140137.D

Acq: 30 Oct 2024 03:22

Instrument :

BNA_F

ClientSampleId :

RED-1-1

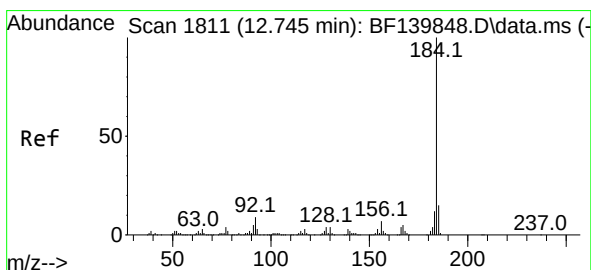
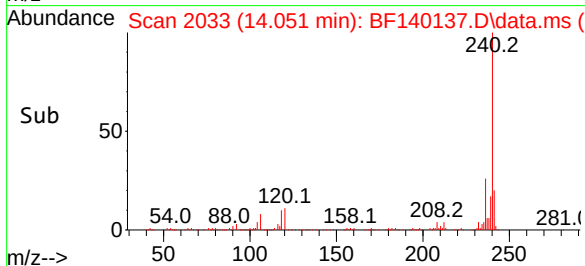
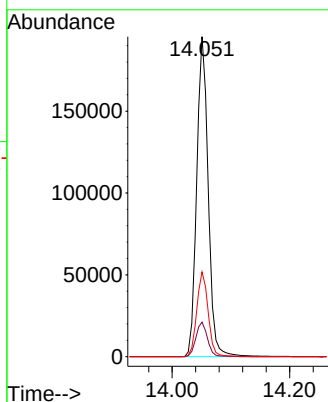
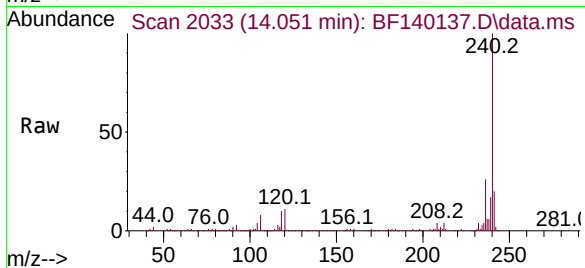
Tgt Ion:240 Resp: 265078

Ion Ratio Lower Upper

240 100

120 10.8 9.4 14.2

236 26.5 20.9 31.3



#77

Benzdine

Concen: 3.582 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.253 min

Lab File: BF140137.D

Acq: 30 Oct 2024 03:22

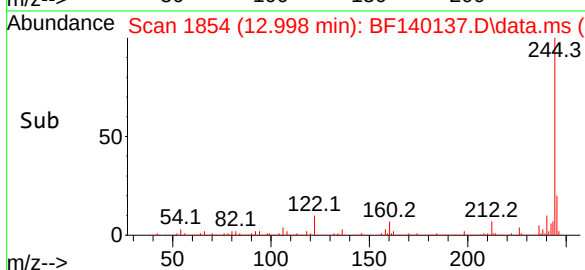
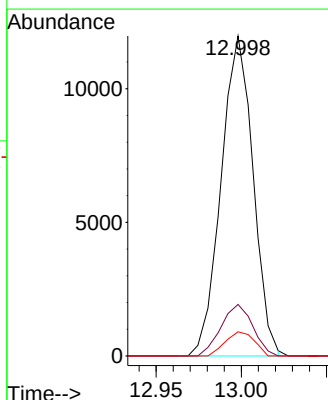
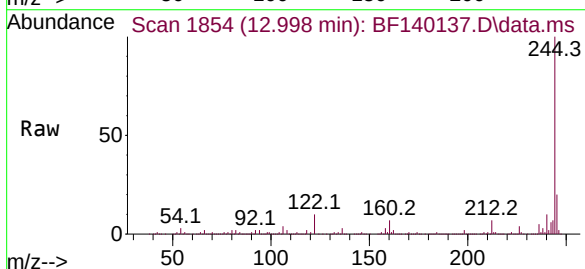
Tgt Ion:184 Resp: 15614

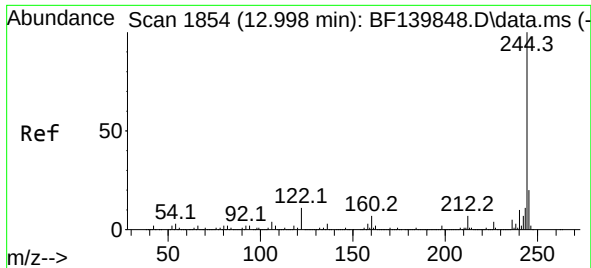
Ion Ratio Lower Upper

184 100

185 16.1 12.0 18.0

183 7.5 9.4 14.2#

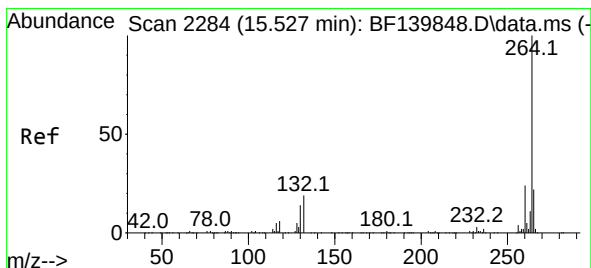
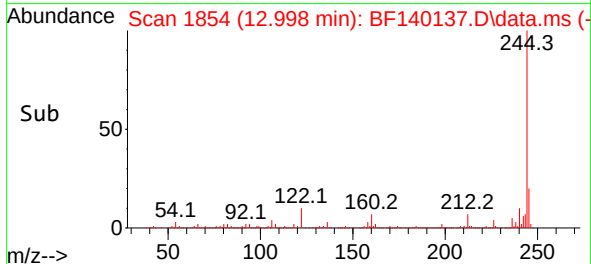
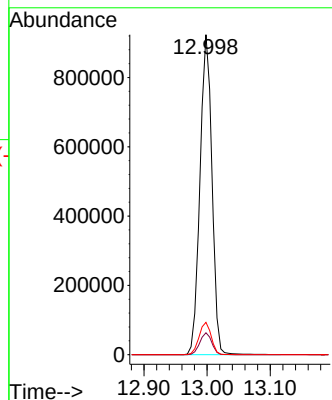
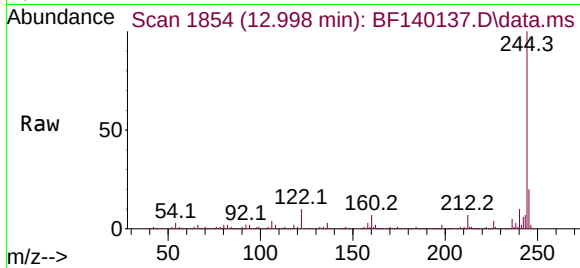




#79
 Terphenyl-d14
 Concen: 74.787 ng
 RT: 12.998 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF140137.D
 Acq: 30 Oct 2024 03:22

Instrument :
 BNA_F
 ClientSampleId :
 RED-1-1

Tgt Ion:244 Resp: 1216604
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.7 8.5
 122 10.1 8.6 13.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.533 min Scan# 2285
 Delta R.T. 0.006 min
 Lab File: BF140137.D
 Acq: 30 Oct 2024 03:22

Tgt Ion:264 Resp: 210669
 Ion Ratio Lower Upper
 264 100
 260 22.7 19.4 29.2
 265 21.3 17.4 26.0

