

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090924\
 Data File : BF139290.D
 Acq On : 09 Sep 2024 18:49
 Operator : RC/JU
 Sample : P3871-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B1(0-6)

Quant Time: Sep 10 00:39:38 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 04 16:11:43 2024
 Response via : Initial Calibration

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

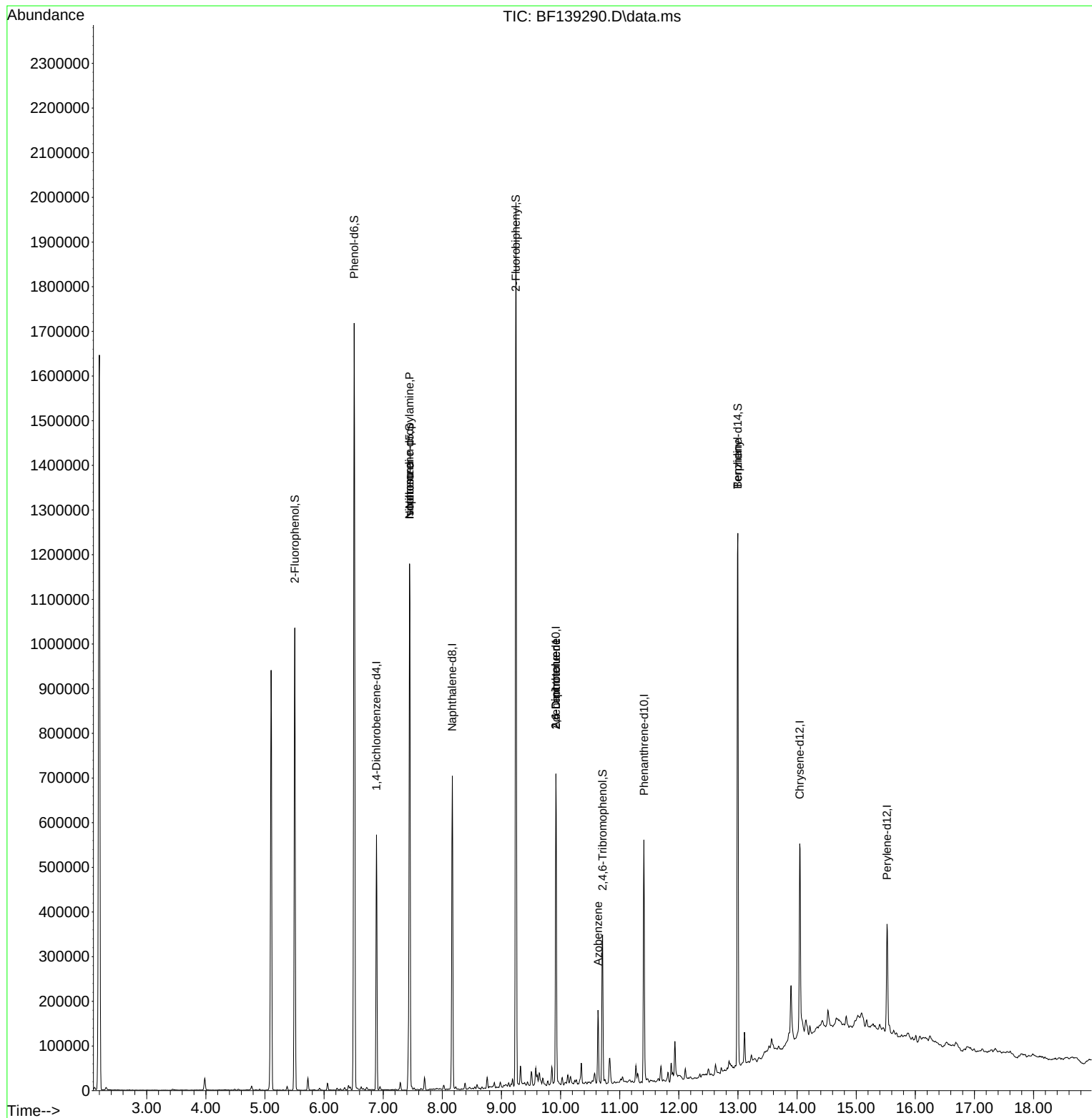
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	110506	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	399102	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	197814	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	275342	20.000	ng	0.00
76) Chrysene-d12	14.045	240	194784	20.000	ng	0.00
86) Perylene-d12	15.521	264	146347	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	334765	50.678	ng	0.00
7) Phenol-d6	6.510	99	749850	85.031	ng	0.00
23) Nitrobenzene-d5	7.445	82	494877	64.507	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	49055	28.718	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	834149	65.093	ng	0.00
79) Terphenyl-d14	12.998	244	581023	48.161	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	68323	13.452	ng	# 76
25) Isophorone	7.445	82	493102	37.595	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	26117	9.602	ng	# 19
57) 2,4-Dinitrotoluene	9.922	165	26117	7.544	ng	# 19
63) Azobenzene	10.633	77	39824	3.202	ng	# 1
77) Benzidine	12.998	184	8402	2.142	ng	# 94

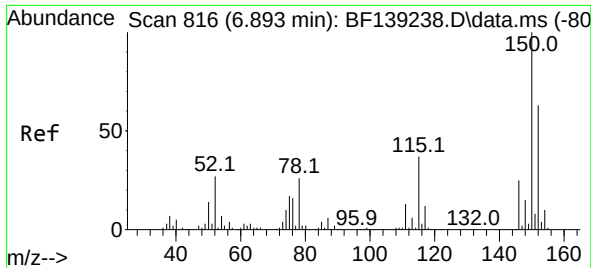
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 04 16:11:43 2024
Response via : Initial Calibration

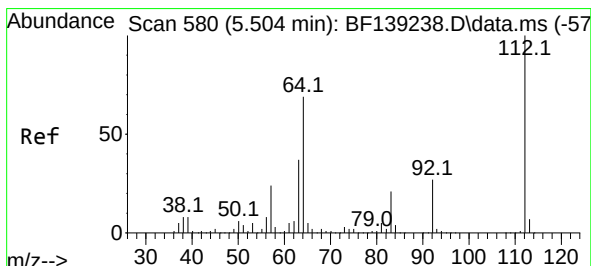
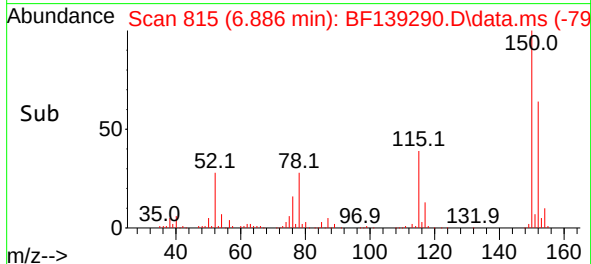
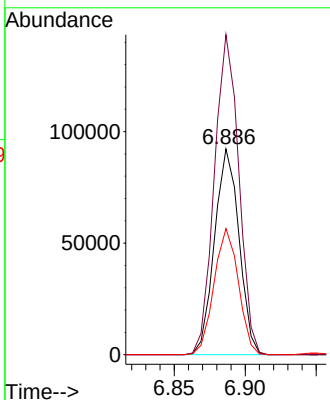
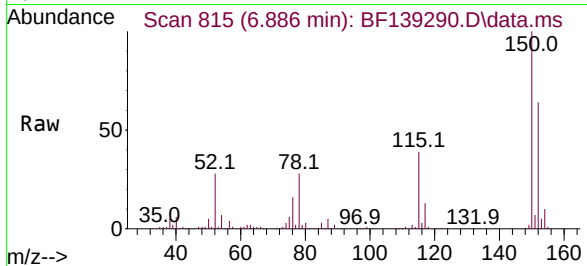




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.007 min
Lab File: BF139290.D
Acq: 09 Sep 2024 18:49

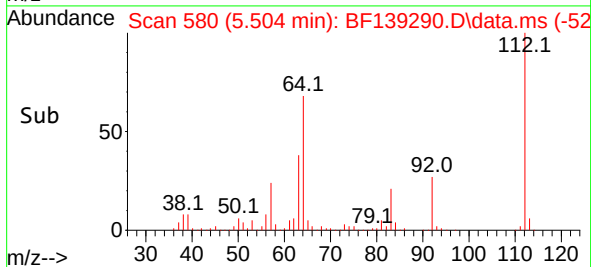
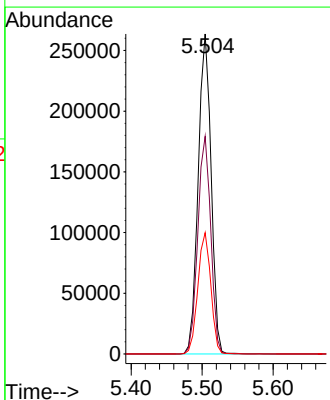
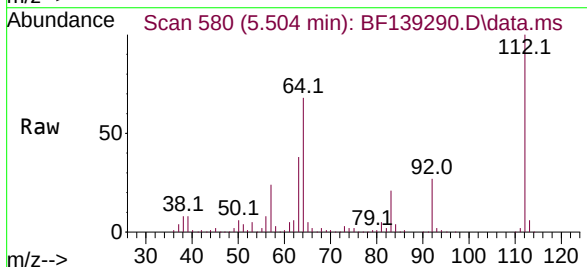
Instrument :
BNA_F
ClientSampleId :
B1(0-6)

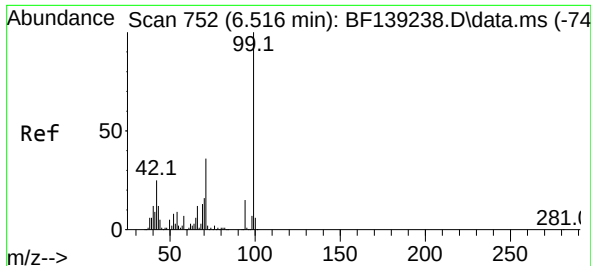
Tgt Ion:152 Resp: 110506
Ion Ratio Lower Upper
152 100
150 155.5 127.0 190.4
115 61.3 46.9 70.3



#5
2-Fluorophenol
Concen: 50.678 ng
RT: 5.504 min Scan# 580
Delta R.T. -0.000 min
Lab File: BF139290.D
Acq: 09 Sep 2024 18:49

Tgt Ion:112 Resp: 334765
Ion Ratio Lower Upper
112 100
64 68.0 55.0 82.4
63 37.9 29.9 44.9

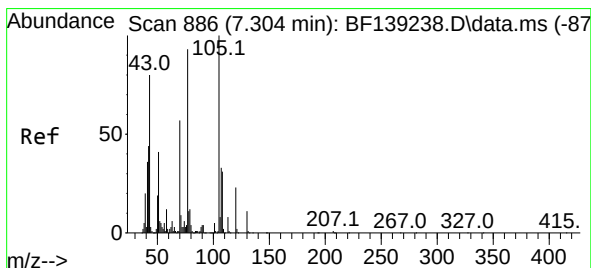
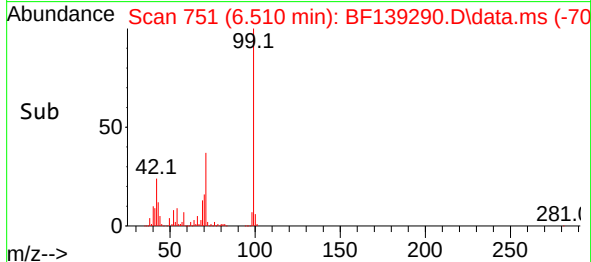
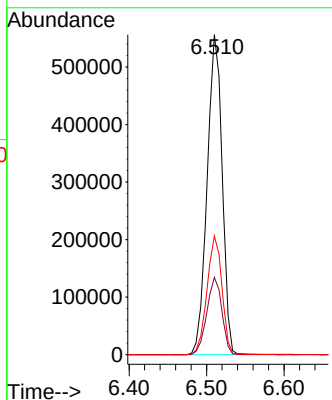
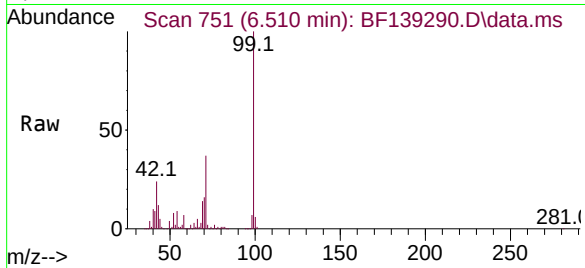




#7
Phenol-d6
Concen: 85.031 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139290.D
Acq: 09 Sep 2024 18:49

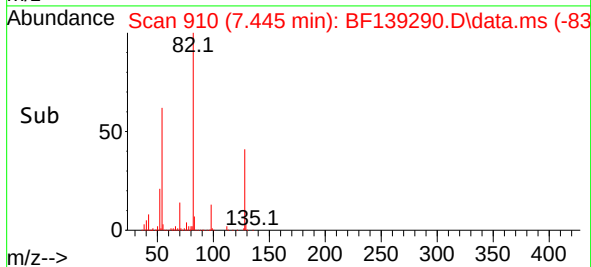
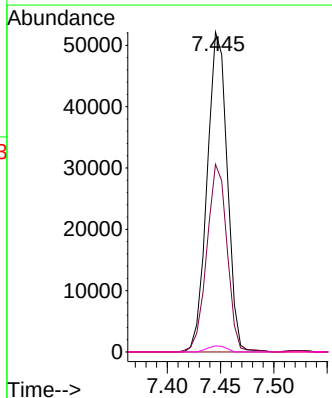
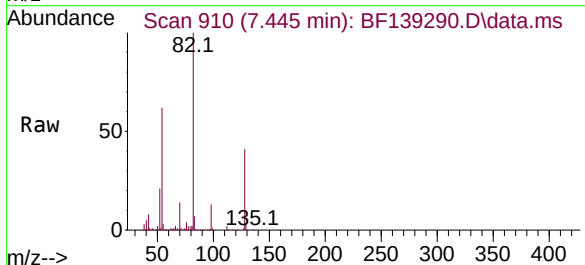
Instrument :
BNA_F
ClientSampleId :
B1(0-6)

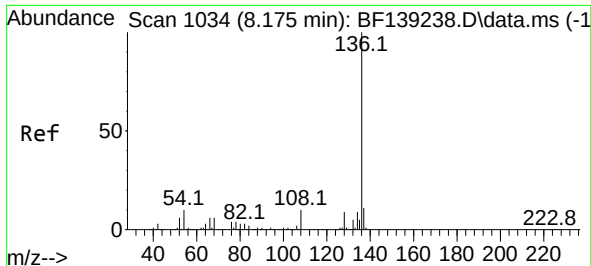
Tgt Ion: 99 Resp: 749850
Ion Ratio Lower Upper
99 100
42 24.1 19.8 29.6
71 37.1 28.8 43.2



#19
n-Nitroso-di-n-propylamine
Concen: 13.452 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF139290.D
Acq: 09 Sep 2024 18:49

Tgt Ion: 70 Resp: 68323
Ion Ratio Lower Upper
70 100
42 58.7 61.0 91.6#
101 0.0 7.2 10.8#
130 1.9 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139290.D

Acq: 09 Sep 2024 18:49

Instrument :

BNA_F

ClientSampleId :

B1(0-6)

Tgt Ion:136 Resp: 399102

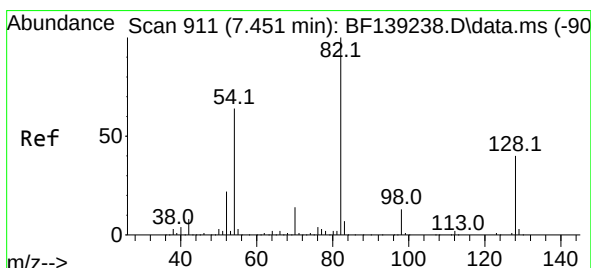
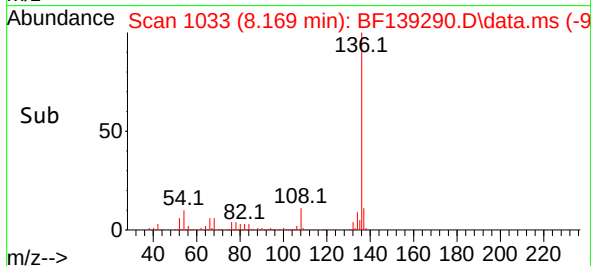
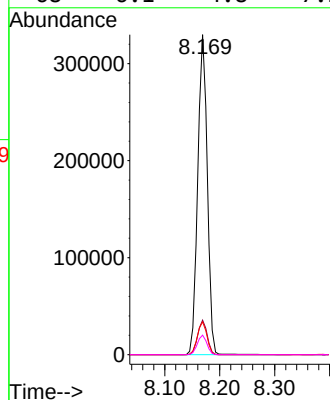
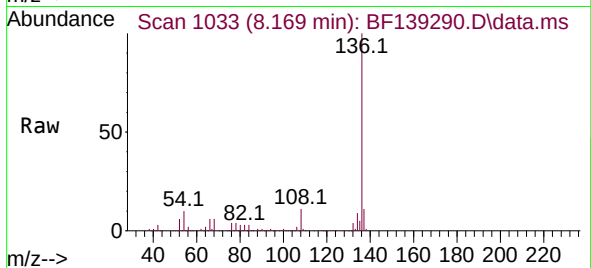
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 10.3 8.4 12.6

68 6.1 4.8 7.2



#23

Nitrobenzene-d5

Concen: 64.507 ng

RT: 7.445 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF139290.D

Acq: 09 Sep 2024 18:49

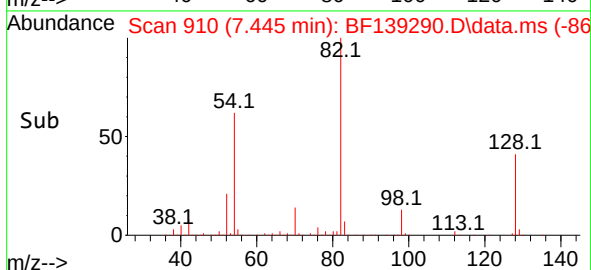
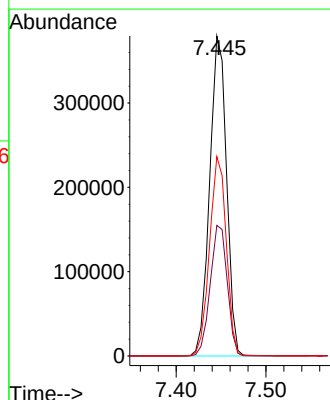
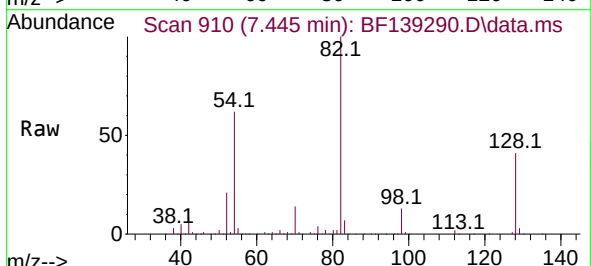
Tgt Ion: 82 Resp: 494877

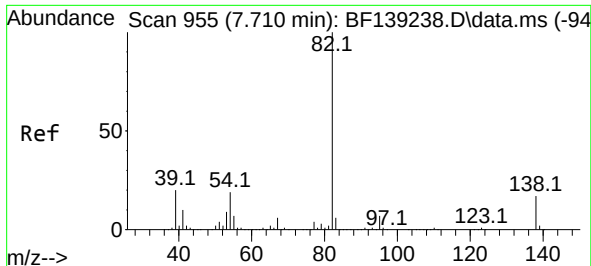
Ion Ratio Lower Upper

82 100

128 40.8 32.3 48.5

54 62.3 51.2 76.8

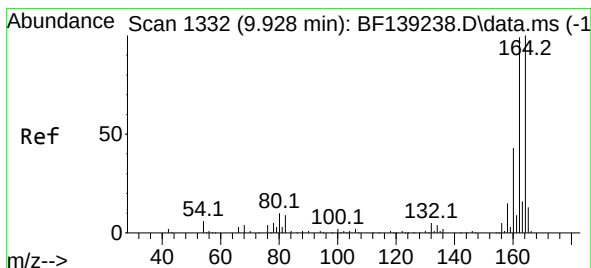
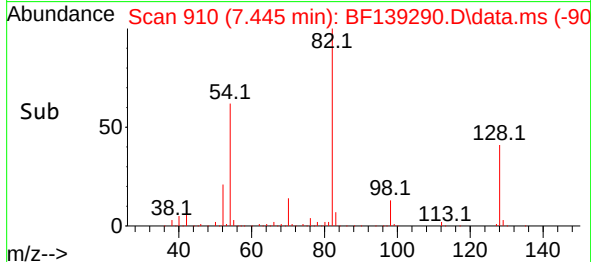
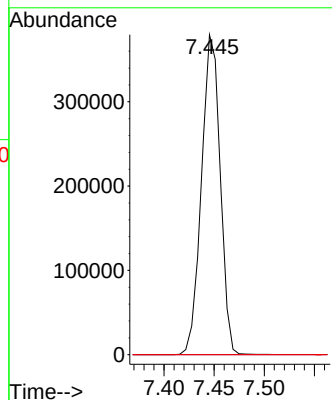
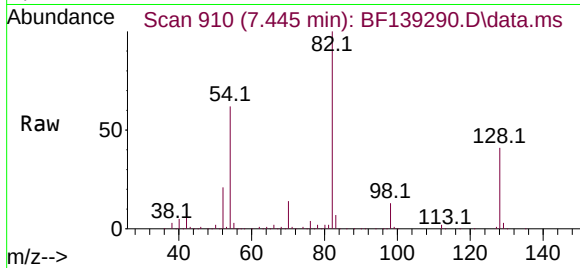




#25
Isophorone
Concen: 37.595 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF139290.D
Acq: 09 Sep 2024 18:49

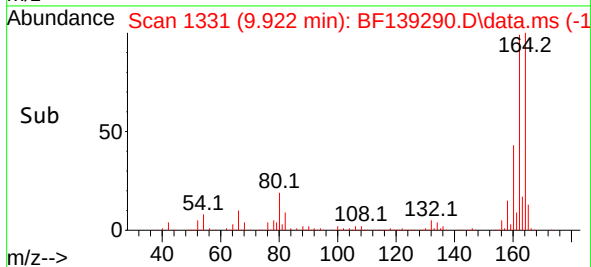
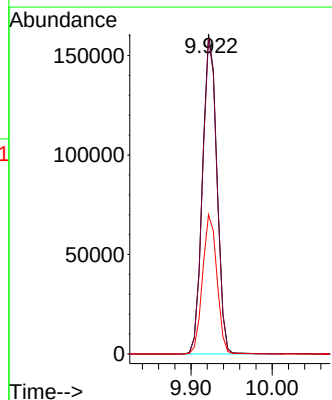
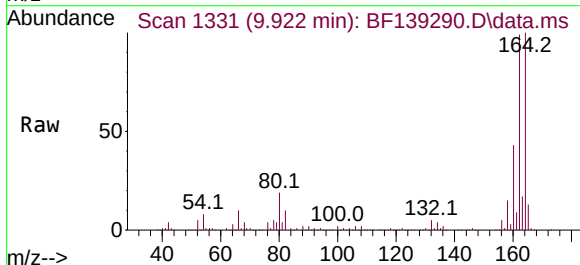
Instrument :
BNA_F
ClientSampleId :
B1(0-6)

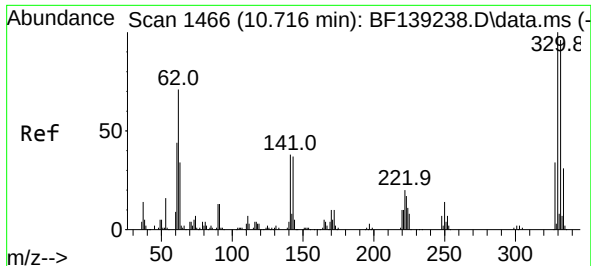
Tgt Ion: 82 Resp: 493102
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF139290.D
Acq: 09 Sep 2024 18:49

Tgt Ion:164 Resp: 197814
Ion Ratio Lower Upper
164 100
162 98.7 79.2 118.8
160 43.5 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 28.718 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF139290.D

Acq: 09 Sep 2024 18:49

Instrument :

BNA_F

ClientSampleId :

B1(0-6)

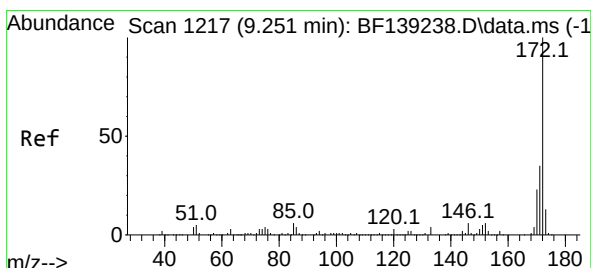
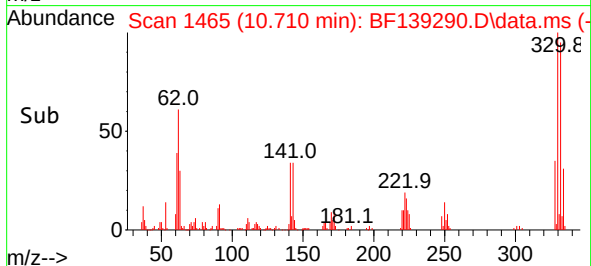
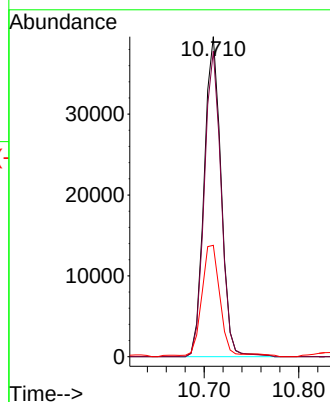
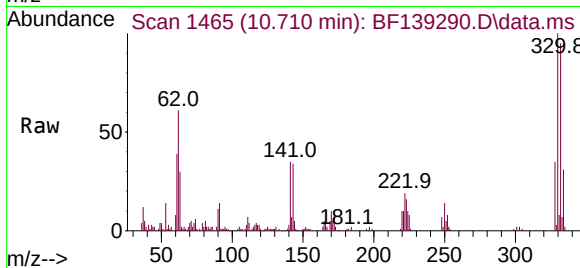
Tgt Ion:330 Resp: 49055

Ion Ratio Lower Upper

330 100

332 95.1 76.6 115.0

141 37.7 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 65.093 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139290.D

Acq: 09 Sep 2024 18:49

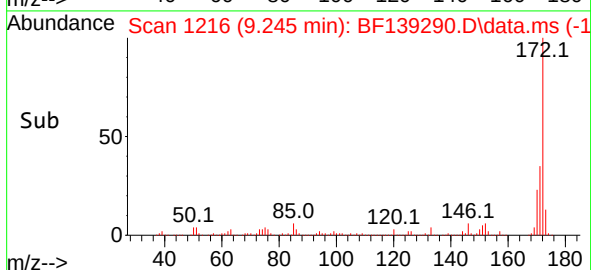
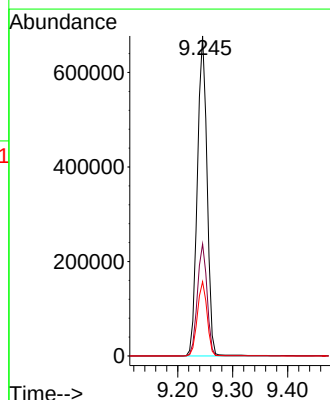
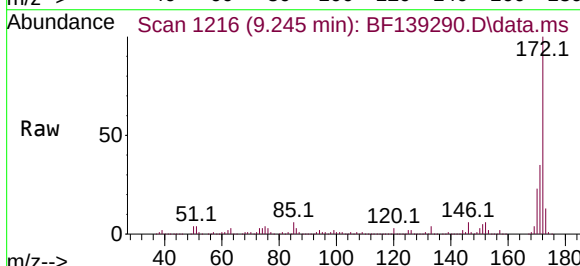
Tgt Ion:172 Resp: 834149

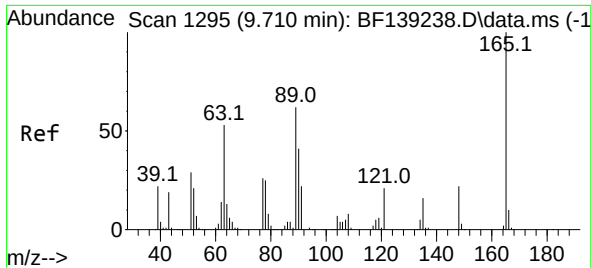
Ion Ratio Lower Upper

172 100

171 35.0 28.3 42.5

170 23.2 18.7 28.1

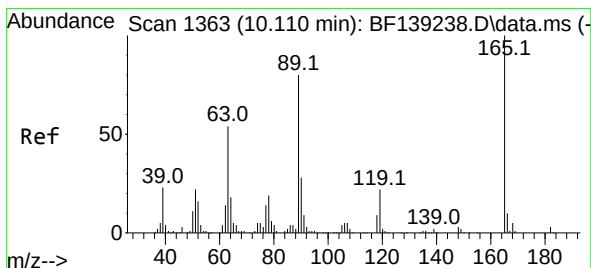
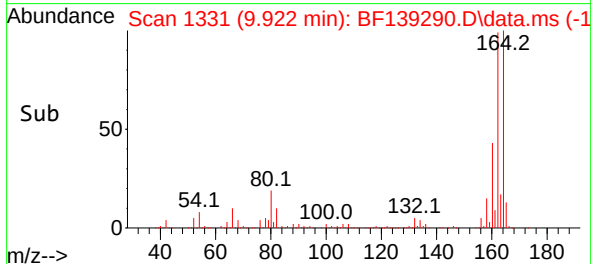
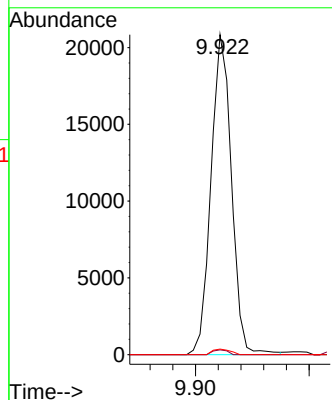
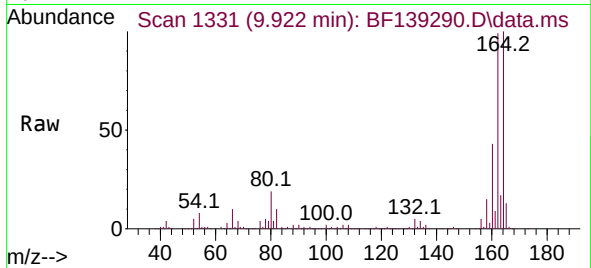




#51
2,6-Dinitrotoluene
Concen: 9.602 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.211 min
Lab File: BF139290.D
Acq: 09 Sep 2024 18:49

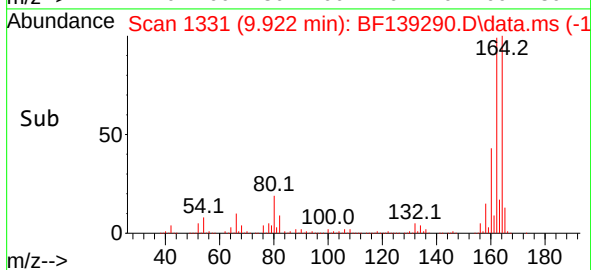
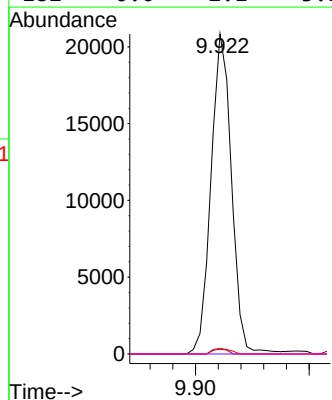
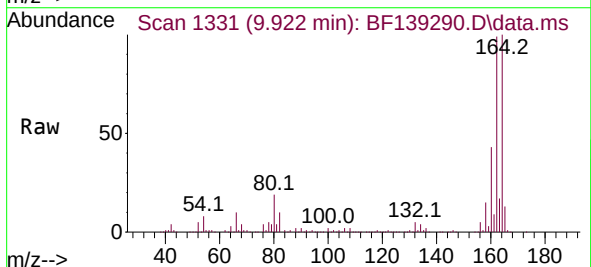
Instrument :
BNA_F
ClientSampleId :
B1(0-6)

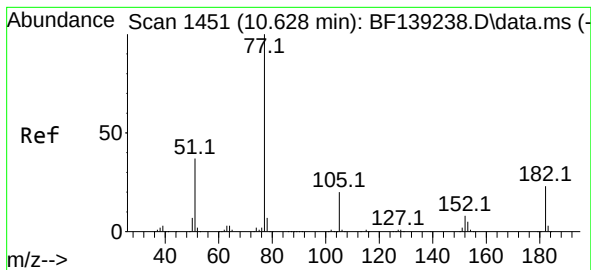
Tgt Ion:165 Resp: 26117
Ion Ratio Lower Upper
165 100
63 1.5 56.1 84.1#
89 1.8 49.7 74.5#



#57
2,4-Dinitrotoluene
Concen: 7.544 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF139290.D
Acq: 09 Sep 2024 18:49

Tgt Ion:165 Resp: 26117
Ion Ratio Lower Upper
165 100
63 1.5 43.4 65.0#
89 1.8 64.2 96.4#
182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 3.202 ng

RT: 10.633 min Scan# 1451

Delta R.T. 0.006 min

Lab File: BF139290.D

Acq: 09 Sep 2024 18:49

Instrument :

BNA_F

ClientSampleId :

B1(0-6)

Tgt Ion: 77 Resp: 39824

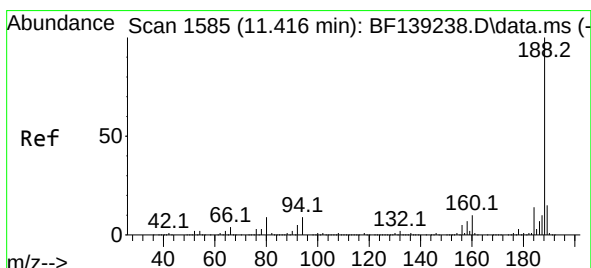
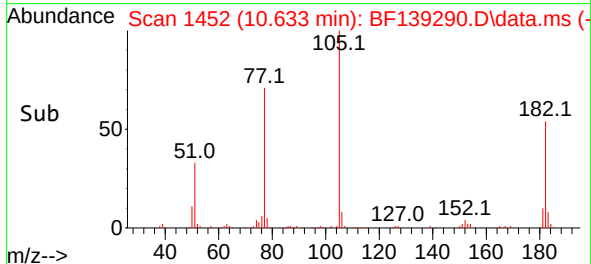
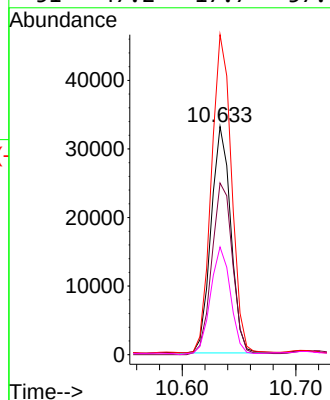
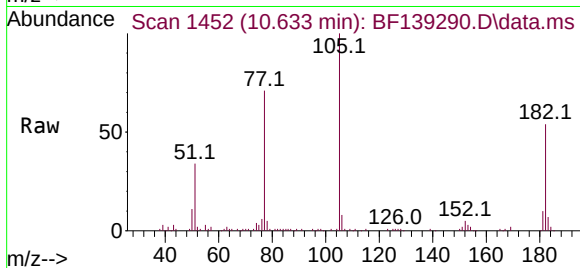
Ion Ratio Lower Upper

77 100

182 75.2 3.0 43.0#

105 140.2 0.0 39.4#

51 47.2 17.7 57.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.006 min

Lab File: BF139290.D

Acq: 09 Sep 2024 18:49

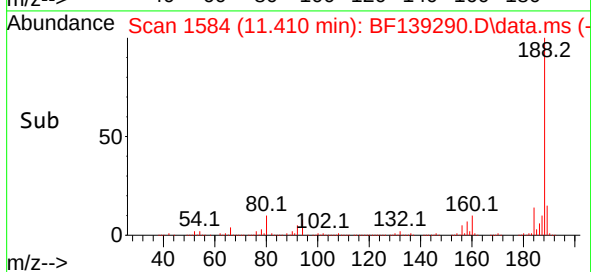
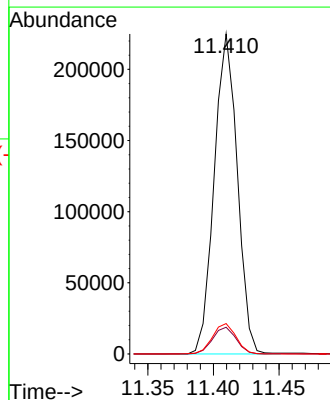
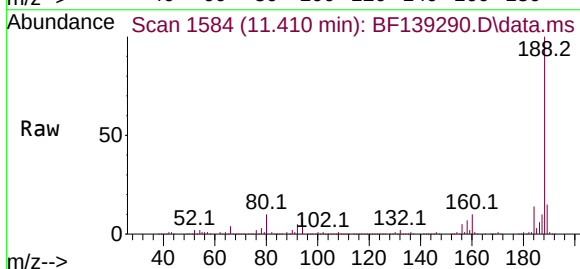
Tgt Ion:188 Resp: 275342

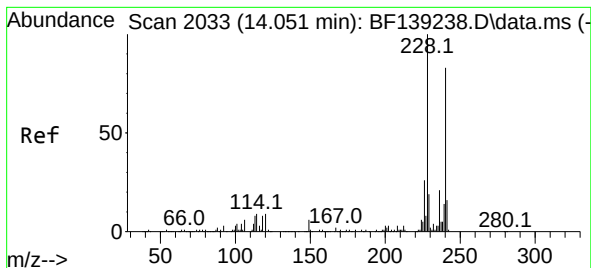
Ion Ratio Lower Upper

188 100

94 8.3 7.0 10.4

80 9.5 7.3 10.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF139290.D

Acq: 09 Sep 2024 18:49

Instrument :

BNA_F

ClientSampleId :

B1(0-6)

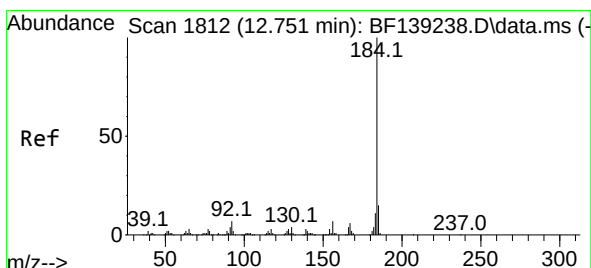
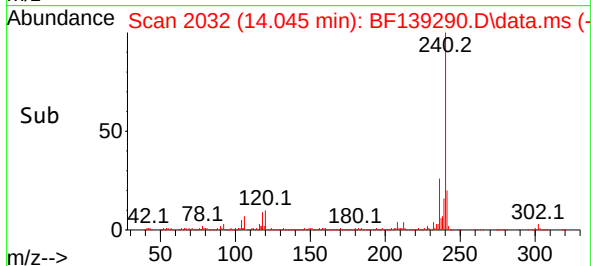
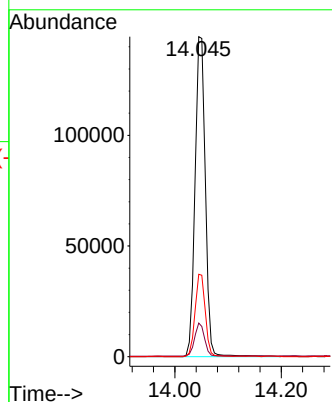
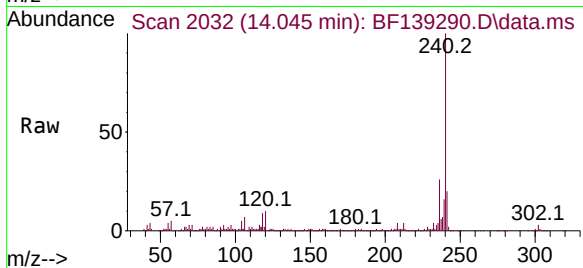
Tgt Ion:240 Resp: 194784

Ion Ratio Lower Upper

240 100

120 10.5 8.6 12.8

236 25.8 20.7 31.1



#77

Benzidine

Concen: 2.142 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.247 min

Lab File: BF139290.D

Acq: 09 Sep 2024 18:49

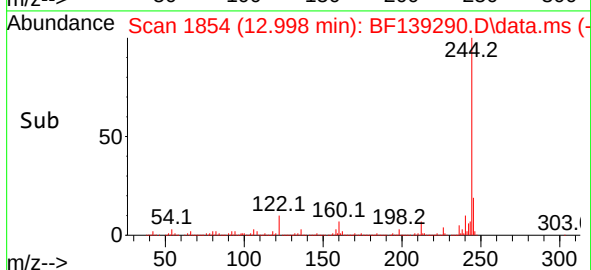
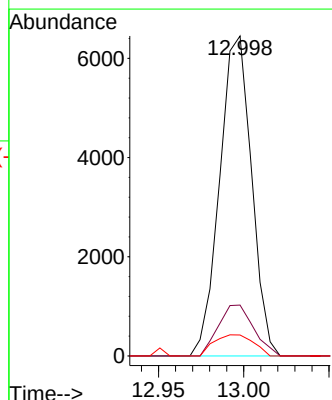
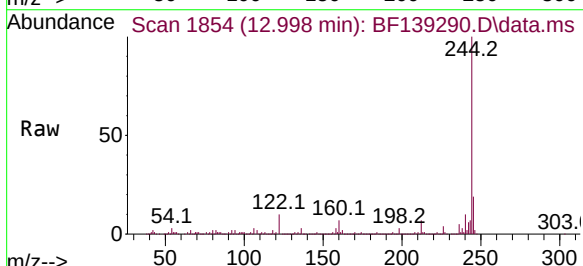
Tgt Ion:184 Resp: 8402

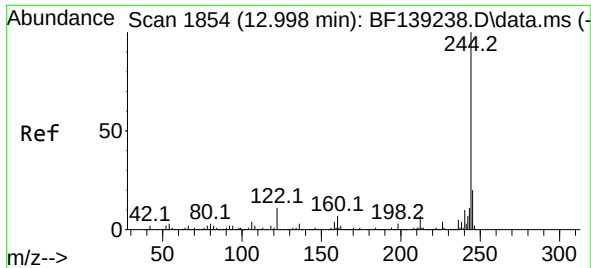
Ion Ratio Lower Upper

184 100

185 15.9 11.9 17.9

183 6.5 8.8 13.2#

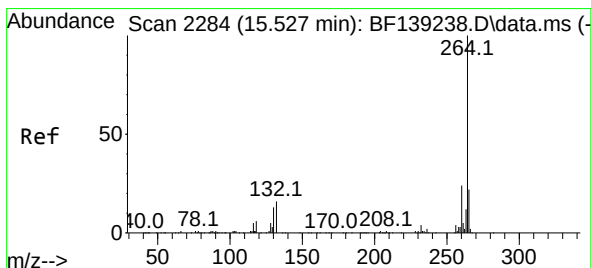
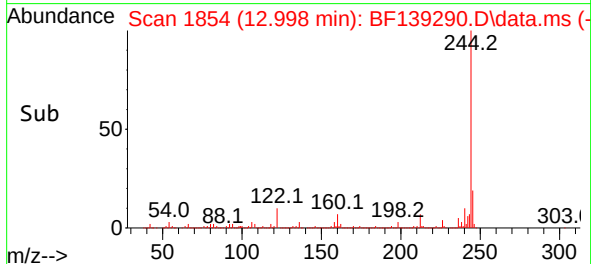
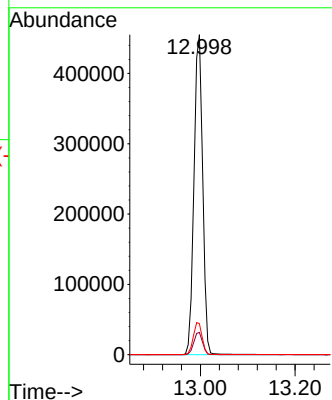
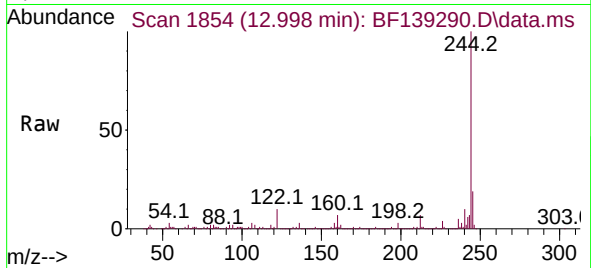




#79
 Terphenyl-d14
 Concen: 48.161 ng
 RT: 12.998 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF139290.D
 Acq: 09 Sep 2024 18:49

Instrument :
 BNA_F
 ClientSampleId :
 B1(0-6)

Tgt Ion:244 Resp: 581023
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.9 8.9
 122 9.7 8.7 13.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.521 min Scan# 2283
 Delta R.T. -0.006 min
 Lab File: BF139290.D
 Acq: 09 Sep 2024 18:49

Tgt Ion:264 Resp: 146347
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.8 28.2
 265 21.3 17.3 25.9

