

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139863.D
 Acq On : 18 Oct 2024 19:37
 Operator : RC/JU
 Sample : P4426-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAD-2

Quant Time: Oct 18 23:08:42 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)

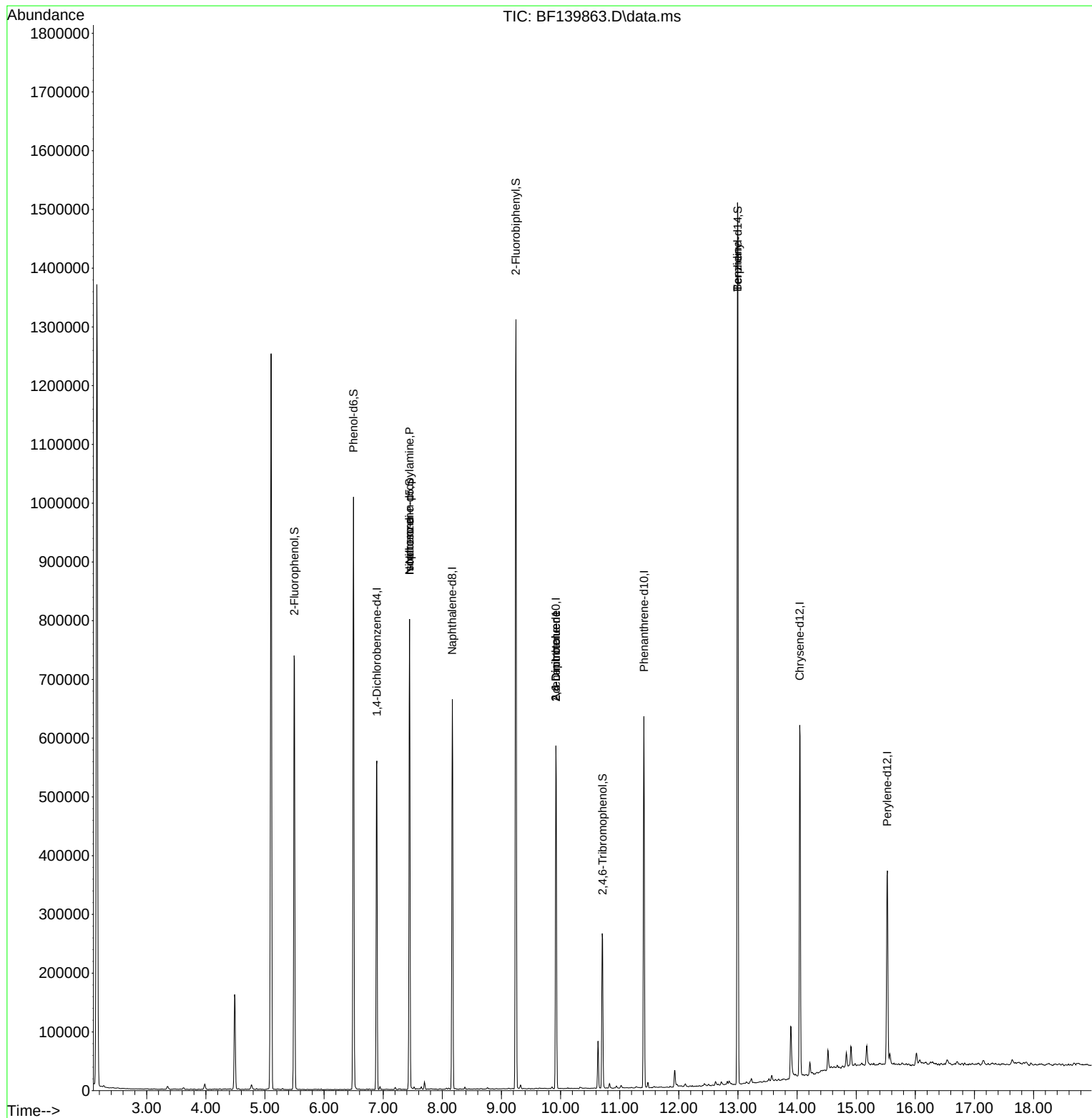
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	116937	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	380422	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	169279	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	315633	20.000	ng	0.00
76) Chrysene-d12	14.045	240	278920	20.000	ng	0.00
86) Perylene-d12	15.527	264	189282	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	266748	35.711	ng	0.00
7) Phenol-d6	6.498	99	427067	44.144	ng	-0.01
23) Nitrobenzene-d5	7.445	82	316396	46.096	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	42245	26.680	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	563720	55.037	ng	0.00
79) Terphenyl-d14	12.998	244	754056	44.053	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	42379	7.223	ng	# 78
25) Isophorone	7.445	82	316277	24.277	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	21161	9.269	ng	# 22
57) 2,4-Dinitrotoluene	9.922	165	21161	7.537	ng	# 21
77) Benzidine	12.992	184	9547	2.082	ng	# 92

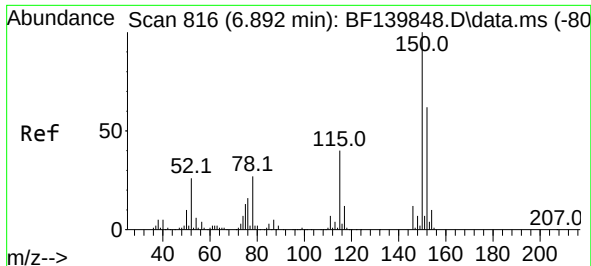
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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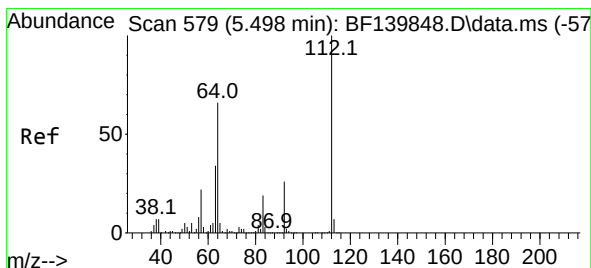
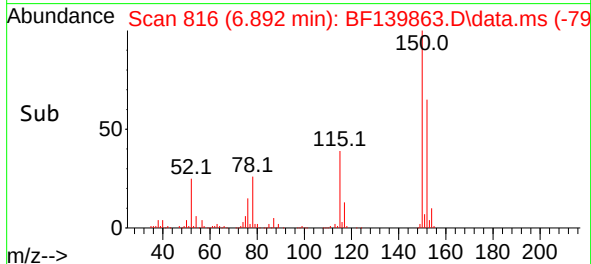
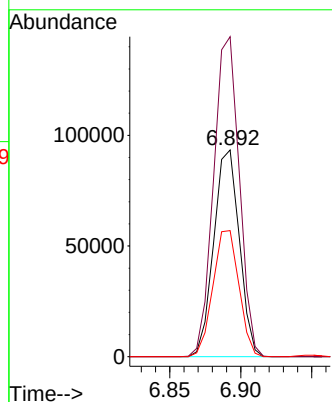
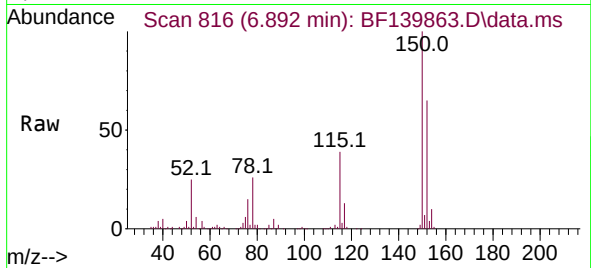




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139863.D
Acq: 18 Oct 2024 19:37

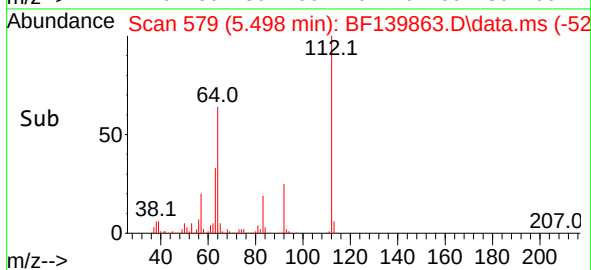
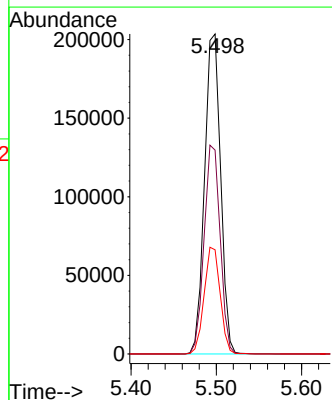
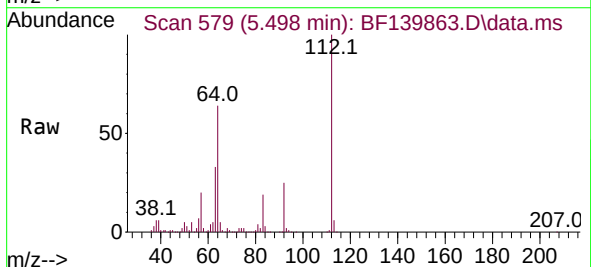
Instrument :
BNA_F
ClientSampleId :
PAD-2

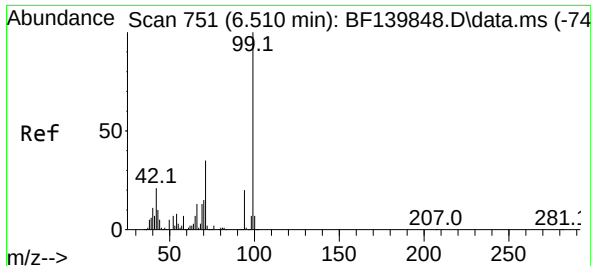
Tgt Ion:152 Resp: 116937
Ion Ratio Lower Upper
152 100
150 154.8 130.2 195.2
115 61.0 51.4 77.2



#5
2-Fluorophenol
Concen: 35.711 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF139863.D
Acq: 18 Oct 2024 19:37

Tgt Ion:112 Resp: 266748
Ion Ratio Lower Upper
112 100
64 63.7 53.0 79.6
63 32.6 27.0 40.4

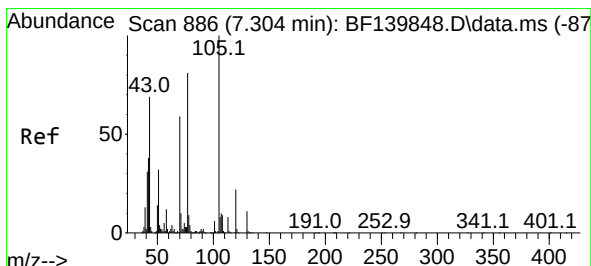
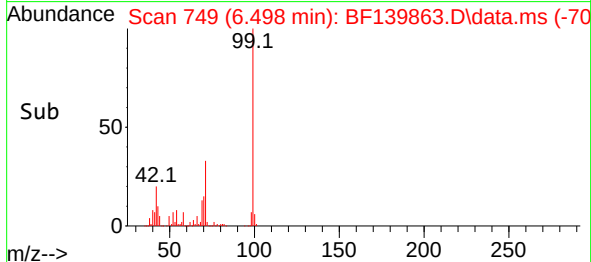
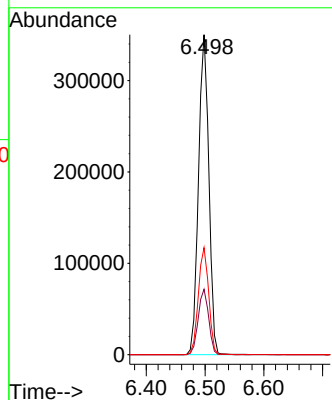
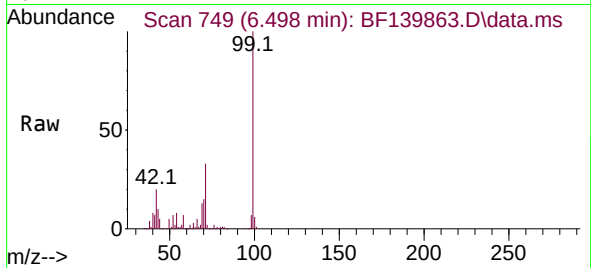




#7
Phenol-d6
Concen: 44.144 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139863.D
Acq: 18 Oct 2024 19:37

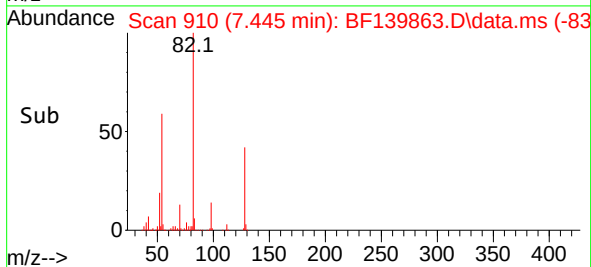
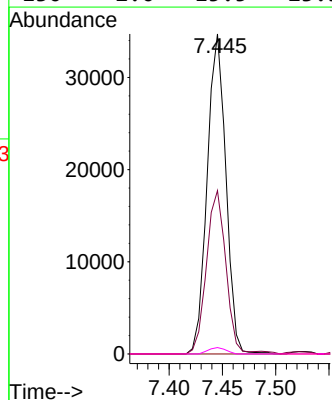
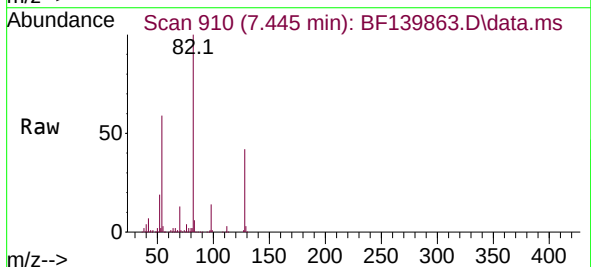
Instrument :
BNA_F
ClientSampleId :
PAD-2

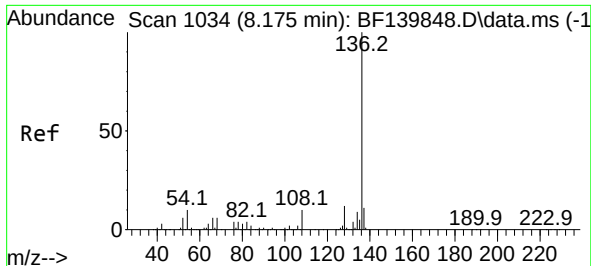
Tgt Ion: 99 Resp: 427067
Ion Ratio Lower Upper
99 100
42 20.4 16.7 25.1
71 33.4 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 7.223 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF139863.D
Acq: 18 Oct 2024 19:37

Tgt Ion: 70 Resp: 42379
Ion Ratio Lower Upper
70 100
42 51.0 51.5 77.3#
101 0.0 7.5 11.3#
130 2.0 15.5 23.3#

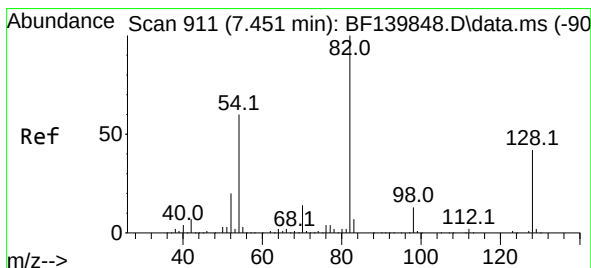
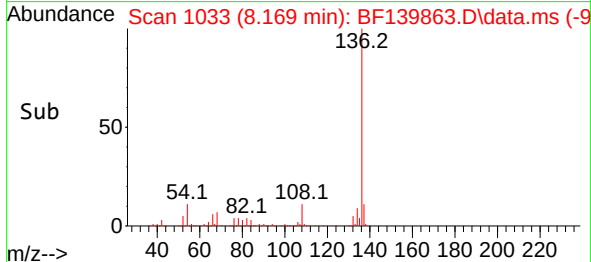
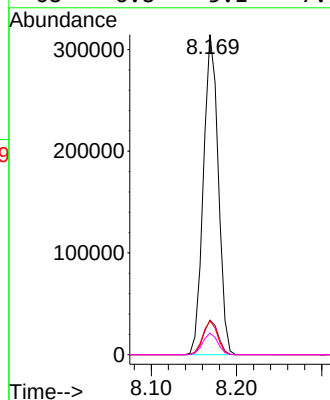
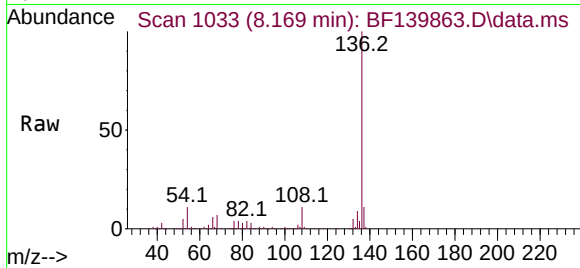




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF139863.D
Acq: 18 Oct 2024 19:37

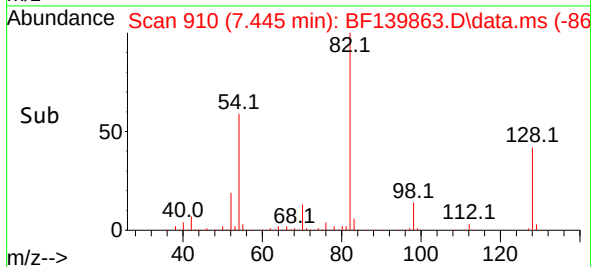
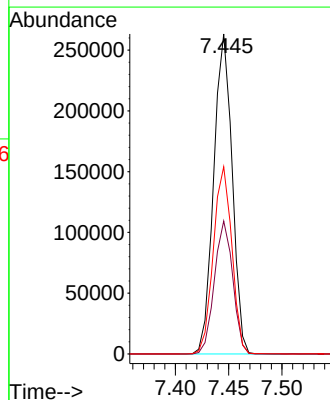
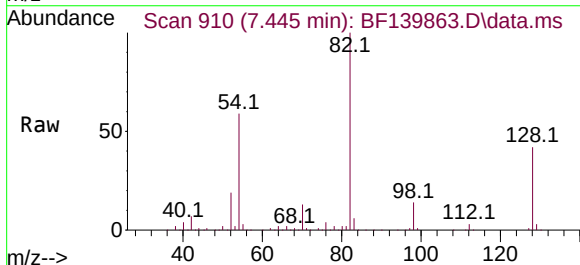
Instrument :
BNA_F
ClientSampleId :
PAD-2

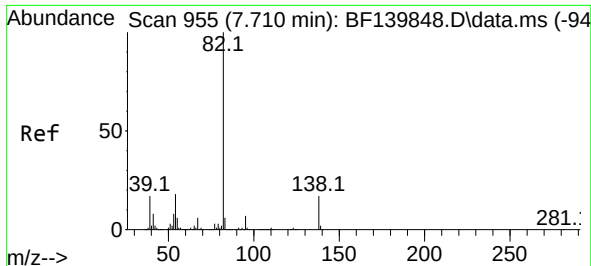
Tgt Ion:	136	Resp:	380422
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	10.6	8.4	12.6
68	6.8	5.1	7.7



#23
Nitrobenzene-d5
Concen: 46.096 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139863.D
Acq: 18 Oct 2024 19:37

Tgt Ion:	82	Resp:	316396
Ion	Ratio	Lower	Upper
82	100		
128	41.5	33.4	50.0
54	58.5	47.8	71.8





#25

Isophorone

Concen: 24.277 ng

RT: 7.445 min Scan# 91

Delta R.T. -0.265 min

Lab File: BF139863.D

Acq: 18 Oct 2024 19:37

Instrument :

BNA_F

ClientSampleId :

PAD-2

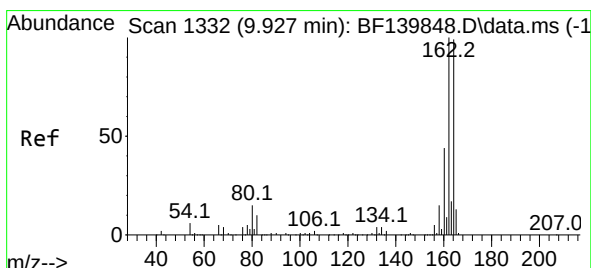
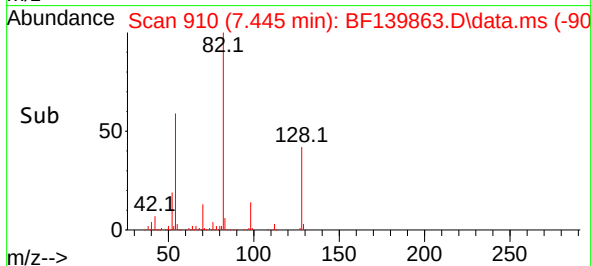
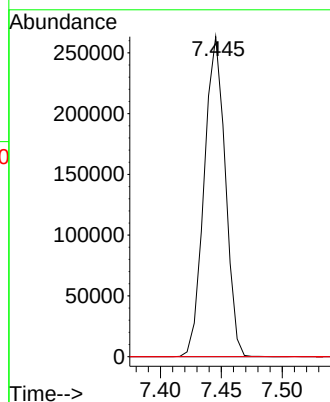
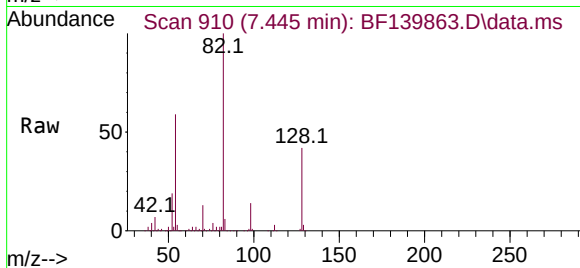
Tgt Ion: 82 Resp: 316277

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: BF139863.D

Acq: 18 Oct 2024 19:37

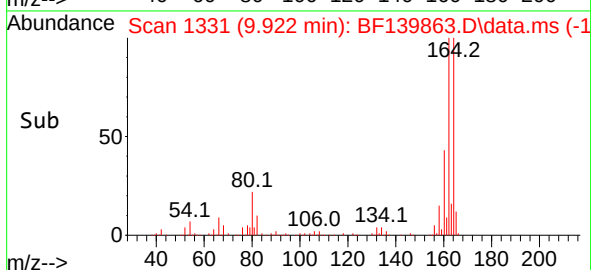
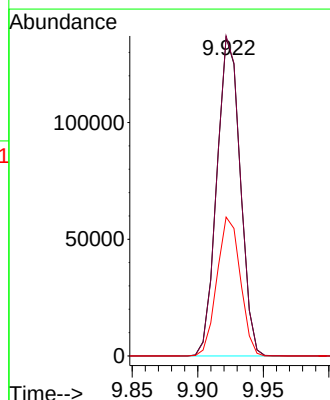
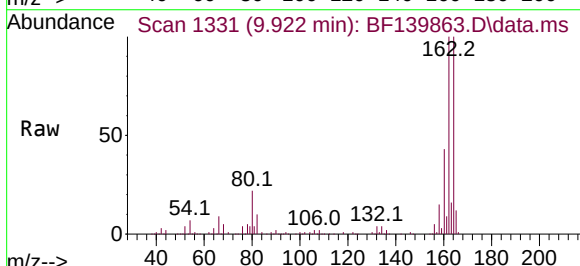
Tgt Ion:164 Resp: 169279

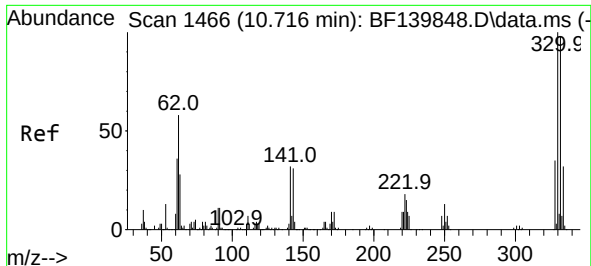
Ion Ratio Lower Upper

164 100

162 100.4 81.0 121.4

160 43.6 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 26.680 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF139863.D

Acq: 18 Oct 2024 19:37

Instrument :

BNA_F

ClientSampleId :

PAD-2

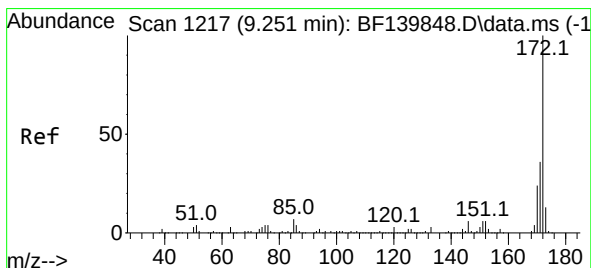
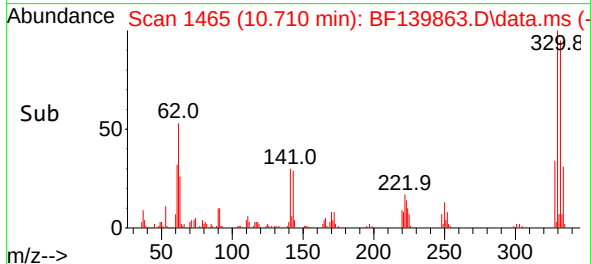
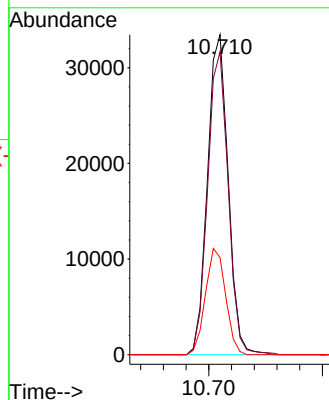
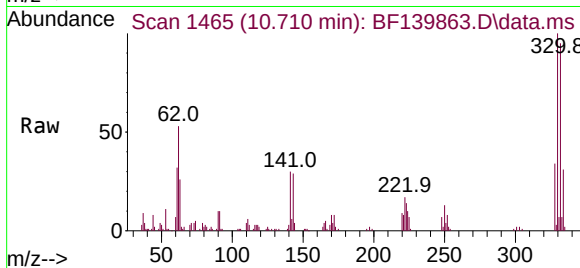
Tgt Ion:330 Resp: 42245

Ion Ratio Lower Upper

330 100

332 94.0 78.1 117.1

141 32.4 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 55.037 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139863.D

Acq: 18 Oct 2024 19:37

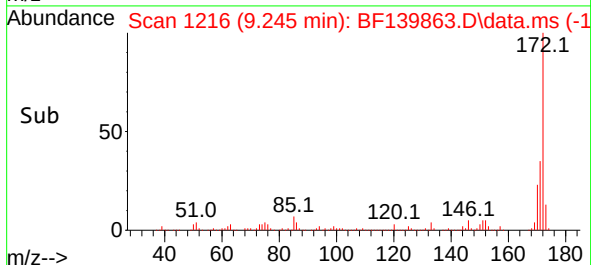
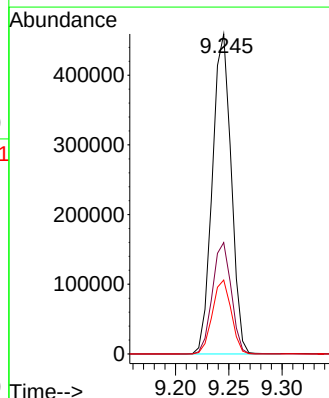
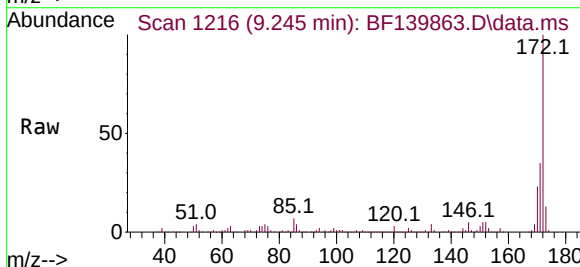
Tgt Ion:172 Resp: 563720

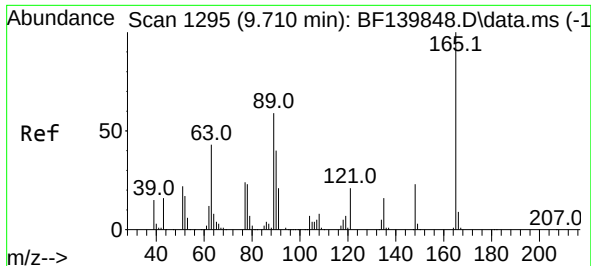
Ion Ratio Lower Upper

172 100

171 34.8 28.6 43.0

170 23.1 19.1 28.7

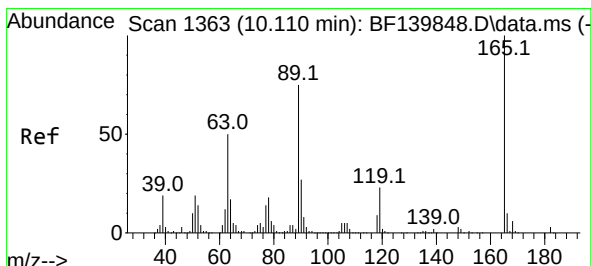
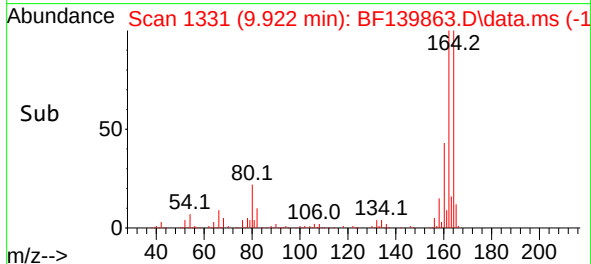
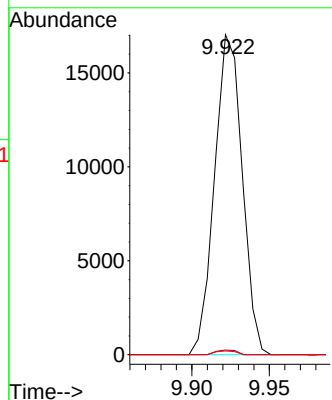
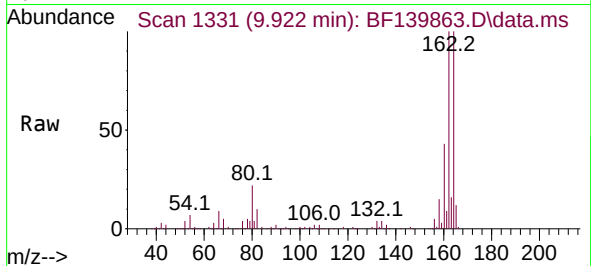




#51
2,6-Dinitrotoluene
Concen: 9.269 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF139863.D
Acq: 18 Oct 2024 19:37

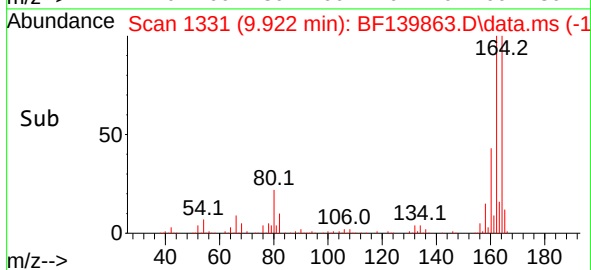
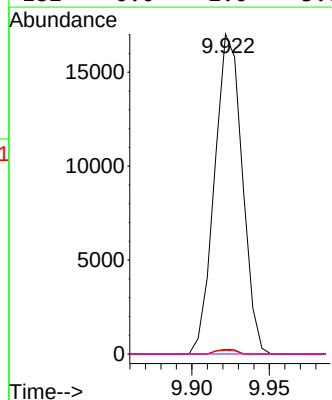
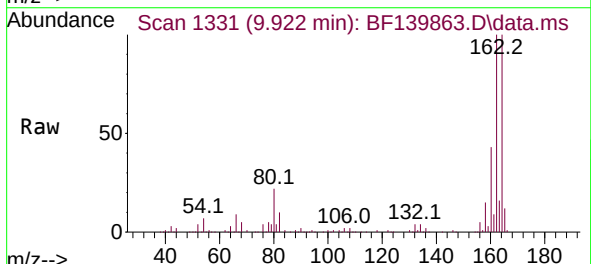
Instrument :
BNA_F
ClientSampleId :
PAD-2

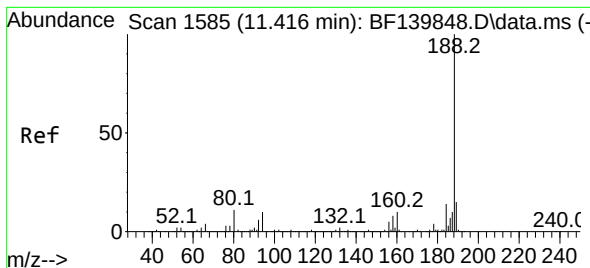
Tgt Ion:165 Resp: 21161
Ion Ratio Lower Upper
165 100
63 1.4 50.6 75.8#
89 1.1 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.537 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF139863.D
Acq: 18 Oct 2024 19:37

Tgt Ion:165 Resp: 21161
Ion Ratio Lower Upper
165 100
63 1.4 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# 1

Delta R.T. -0.006 min

Lab File: BF139863.D

Acq: 18 Oct 2024 19:37

Instrument :

BNA_F

ClientSampleId :

PAD-2

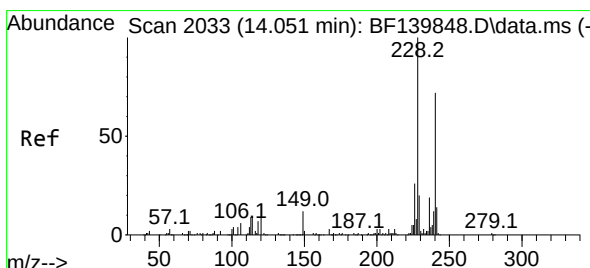
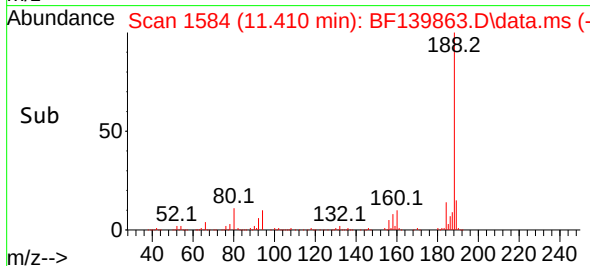
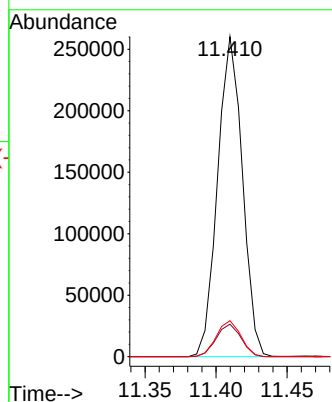
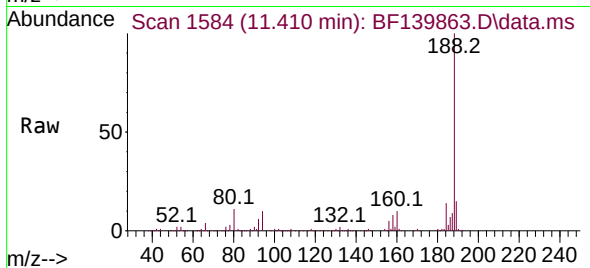
Tgt Ion:188 Resp: 315633

Ion Ratio Lower Upper

188 100

94 10.2 7.9 11.9

80 11.2 9.0 13.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF139863.D

Acq: 18 Oct 2024 19:37

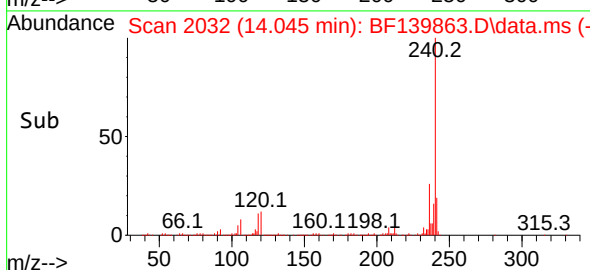
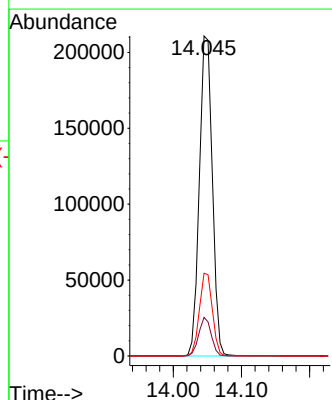
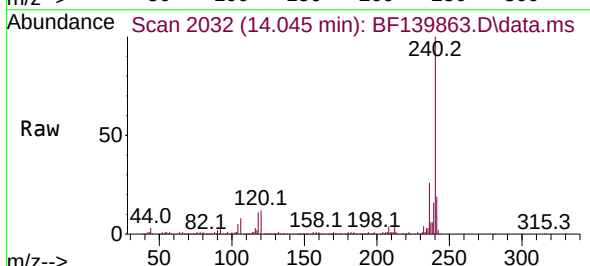
Tgt Ion:240 Resp: 278920

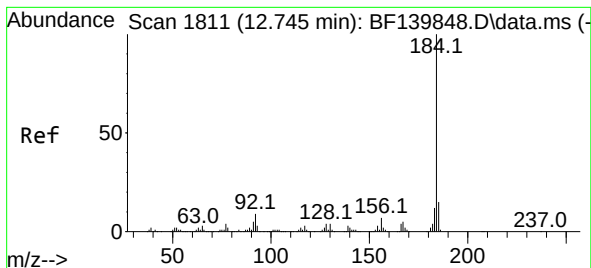
Ion Ratio Lower Upper

240 100

120 12.1 9.4 14.2

236 25.9 20.9 31.3





#77

Benzidine

Concen: 2.082 ng

RT: 12.992 min Scan# 1853

Delta R.T. 0.247 min

Lab File: BF139863.D

Acq: 18 Oct 2024 19:37

Instrument :

BNA_F

ClientSampleId :

PAD-2

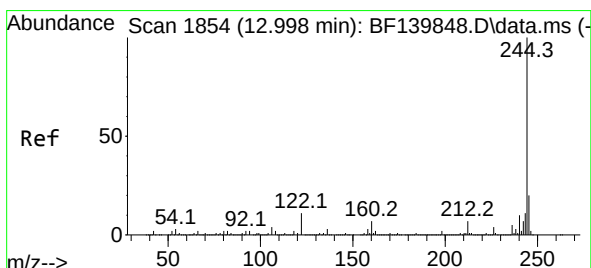
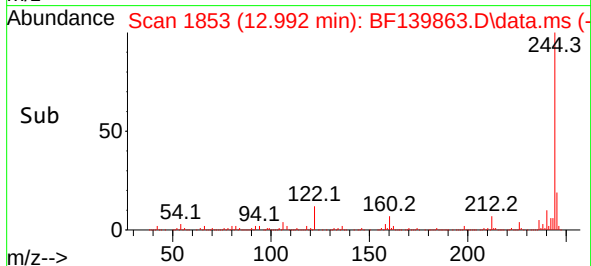
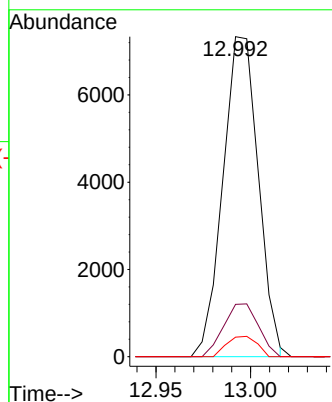
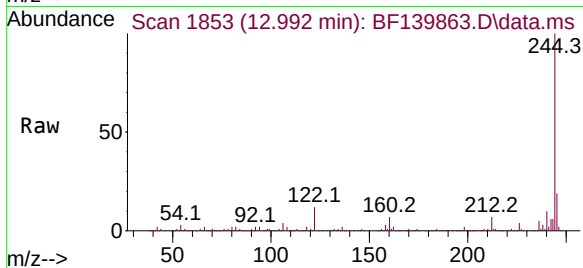
Tgt Ion:184 Resp: 9547

Ion Ratio Lower Upper

184 100

185 16.4 12.0 18.0

183 6.1 9.4 14.2#



#79

Terphenyl-d14

Concen: 44.053 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139863.D

Acq: 18 Oct 2024 19:37

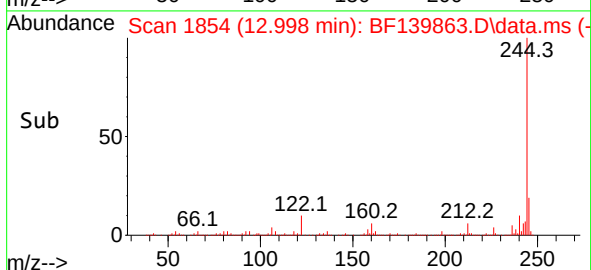
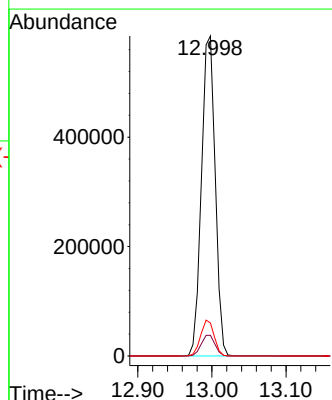
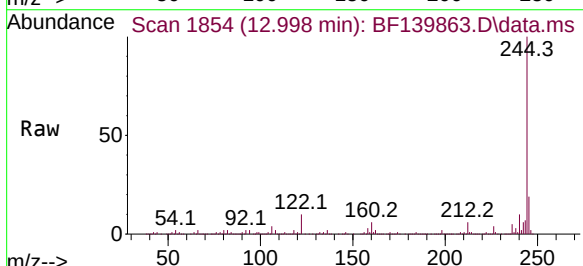
Tgt Ion:244 Resp: 754056

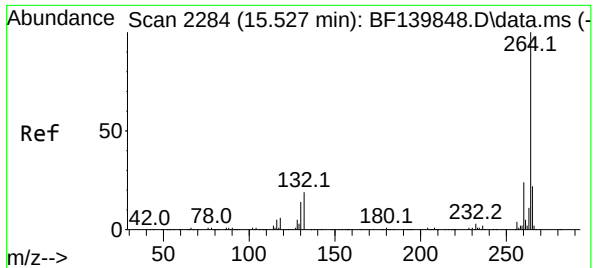
Ion Ratio Lower Upper

244 100

212 6.4 5.7 8.5

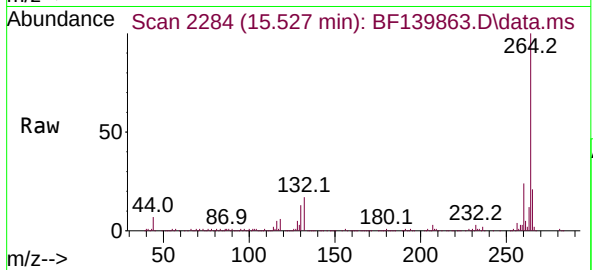
122 10.3 8.6 13.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF139863.D
 Acq: 18 Oct 2024 19:37

Instrument :
 BNA_F
 ClientSampleId :
 PAD-2



Tgt Ion:264 Resp: 189282

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.2
265	21.1	17.4	26.0

