

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060624\
 Data File : BF138137.D
 Acq On : 06 Jun 2024 17:12
 Operator : CG\JU
 Sample : P2704-12
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WCS-TPN

Quant Time: Jun 07 03:14:27 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 06 05:19:29 2024
 Response via : Initial Calibration

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

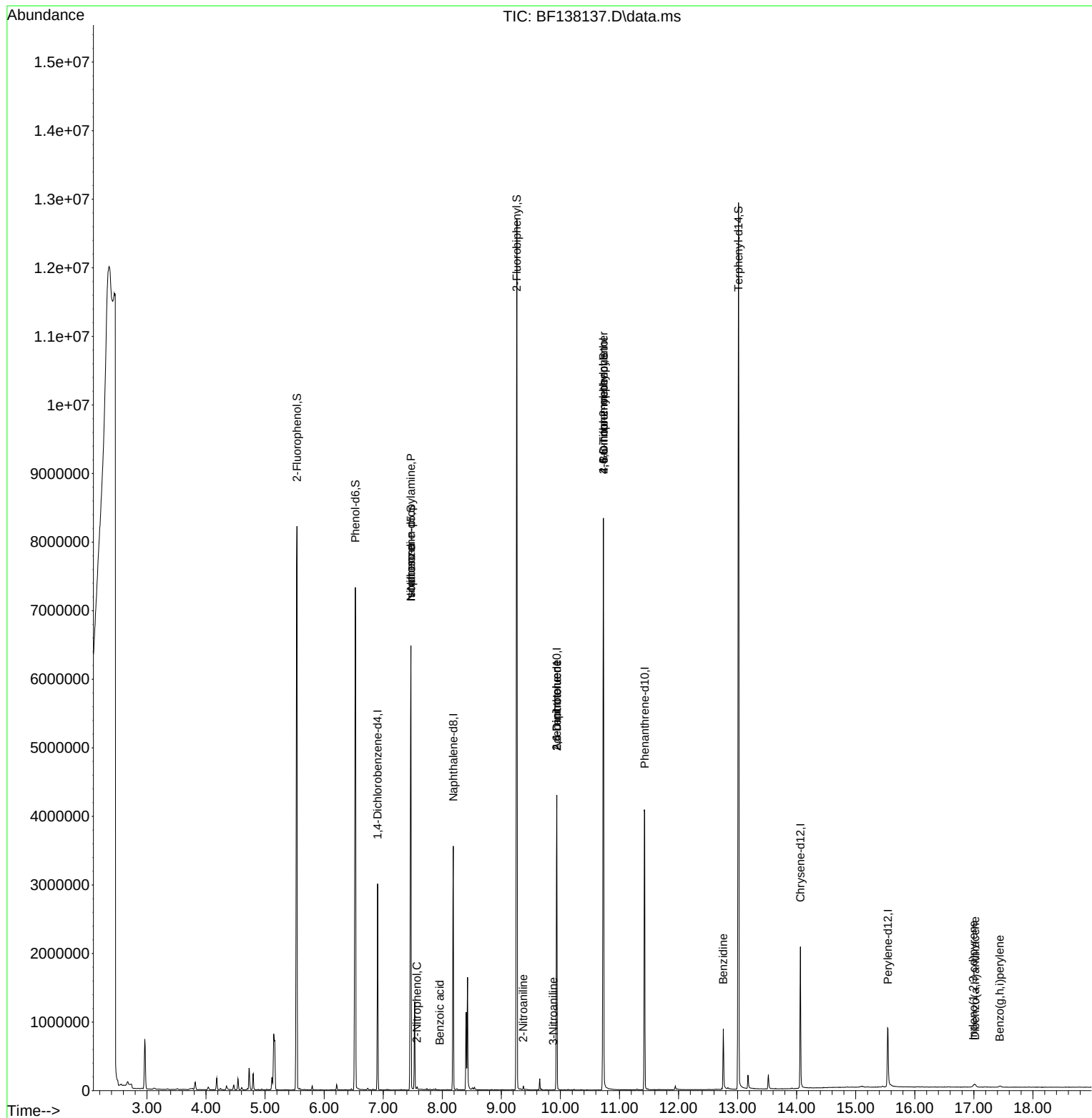
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	385804	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	1500403	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	860436	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	1563613	20.000	ng	0.00
76) Chrysene-d12	14.063	240	688533	20.000	ng	0.00
86) Perylene-d12	15.545	264	502277	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	2638810	116.566	ng	0.01
7) Phenol-d6	6.528	99	3101793	108.295	ng	0.00
23) Nitrobenzene-d5	7.469	82	2141792	97.122	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	1218093	147.102	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	4161099	84.560	ng	0.00
79) Terphenyl-d14	13.016	244	4970919	107.986	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.457	77	956	Below Cal		91
19) n-Nitroso-di-n-propyla...	7.469	70	295842	16.199 ng	#	76
25) Isophorone	7.469	82	2141758	44.084 ng	#	63
26) 2-Nitrophenol	7.569	139	209	5.073 ng	#	34
32) Benzoic acid	7.957	122	126	7.944 ng	#	1
48) 2-Nitroaniline	9.369	65	670	4.847 ng	#	13
51) 2,6-Dinitrotoluene	9.939	165	112839	12.337 ng	#	25
53) 3-Nitroaniline	9.881	138	64	2.950 ng	#	3
57) 2,4-Dinitrotoluene	9.939	165	112839	11.226 ng	#	22
65) 4,6-Dinitro-2-methylph...	10.728	198	2829	8.889 ng	#	1
67) 4-Bromophenyl-phenylether	10.728	248	76971	4.323 ng	#	1
77) Benzidine	12.757	184	338996	47.844 ng		100
87) Indeno(1,2,3-cd)pyrene	16.992	276	32587	4.588 ng	#	88
91) Dibenzo(a,h)anthracene	17.021	278	34881	5.128 ng		95
92) Benzo(g,h,i)perylene	17.439	276	18664	3.755 ng	#	93

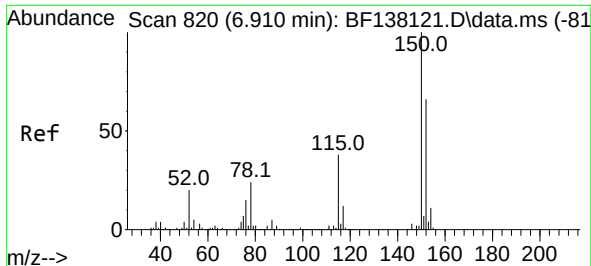
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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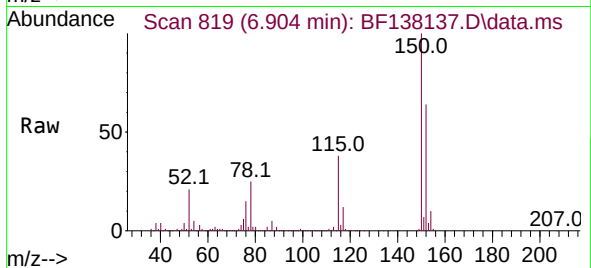
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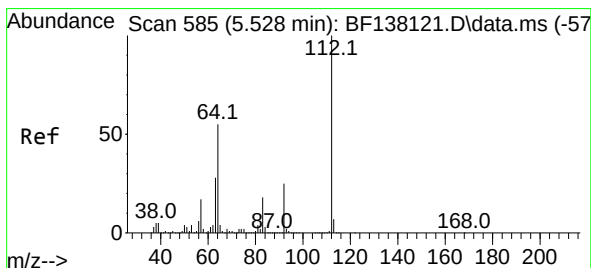
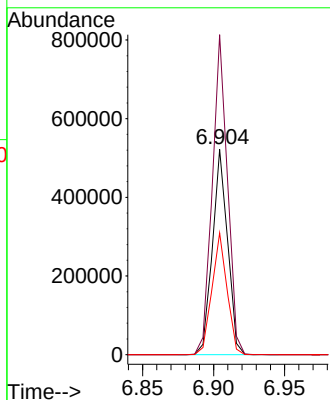
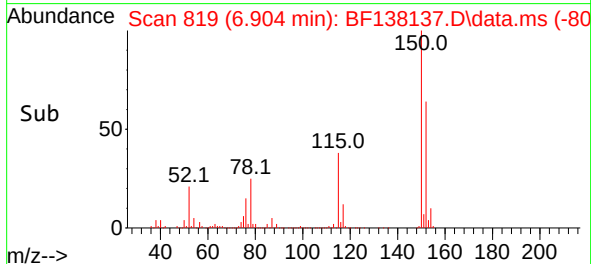


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF138137.D
Acq: 06 Jun 2024 17:12

Instrument :
BNA_F
ClientSampleId :
WCS-TPN

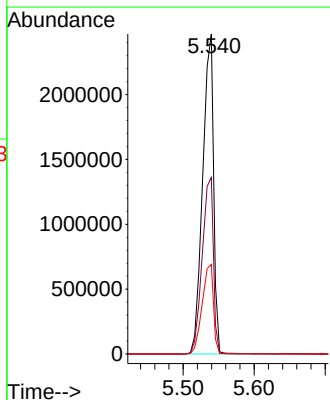
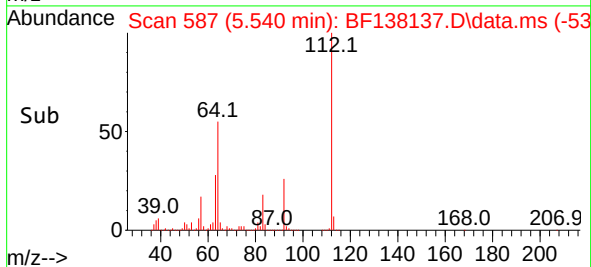
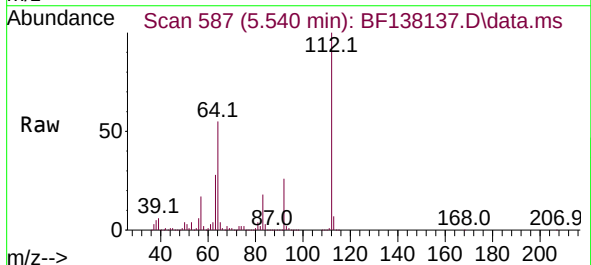


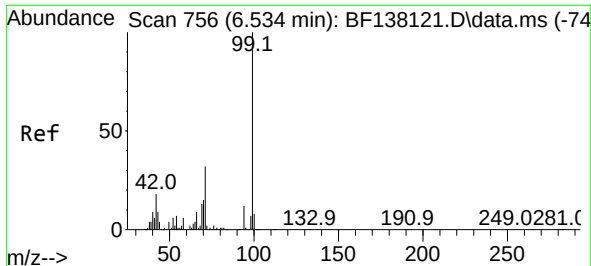
Tgt Ion:152 Resp: 385804
Ion Ratio Lower Upper
152 100
150 155.8 121.8 182.6
115 59.3 46.2 69.2



#5
2-Fluorophenol
Concen: 116.566 ng
RT: 5.540 min Scan# 587
Delta R.T. 0.012 min
Lab File: BF138137.D
Acq: 06 Jun 2024 17:12

Tgt Ion:112 Resp: 2638810
Ion Ratio Lower Upper
112 100
64 55.2 44.0 66.0
63 28.0 22.1 33.1





#7

Phenol-d6

Concen: 108.295 ng

RT: 6.528 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF138137.D

Acq: 06 Jun 2024 17:12

Instrument :

BNA_F

ClientSampleId :

WCS-TPN

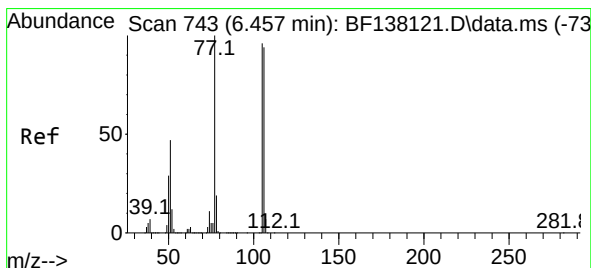
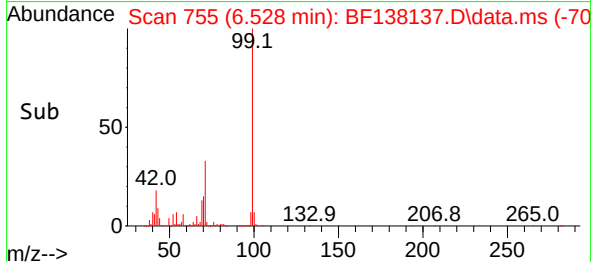
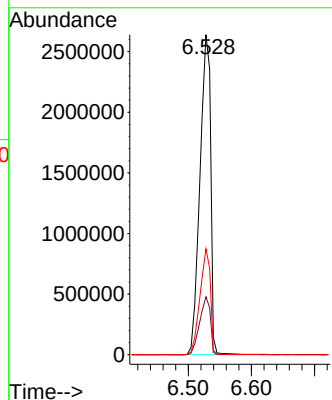
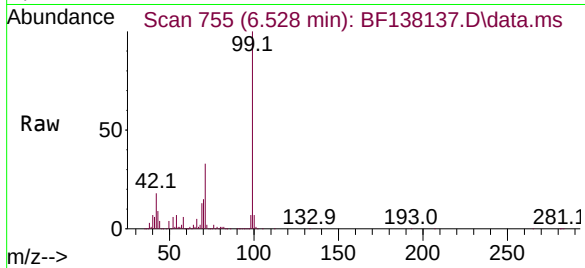
Tgt Ion: 99 Resp: 3101793

Ion Ratio Lower Upper

99 100

42 18.1 14.4 21.6

71 33.1 25.5 38.3



#9

Benzaldehyde

Concen: Below Cal

RT: 6.457 min Scan# 743

Delta R.T. 0.000 min

Lab File: BF138137.D

Acq: 06 Jun 2024 17:12

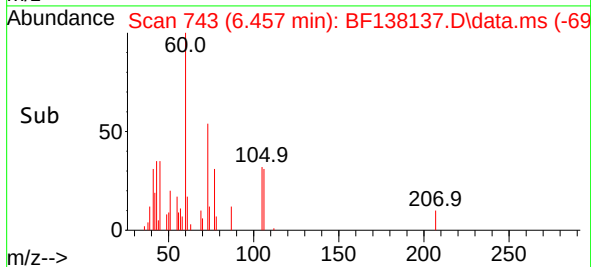
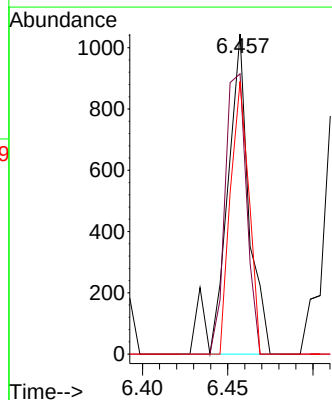
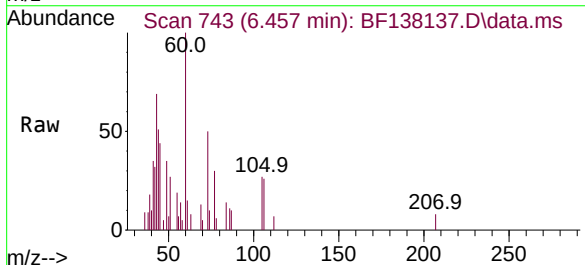
Tgt Ion: 77 Resp: 956

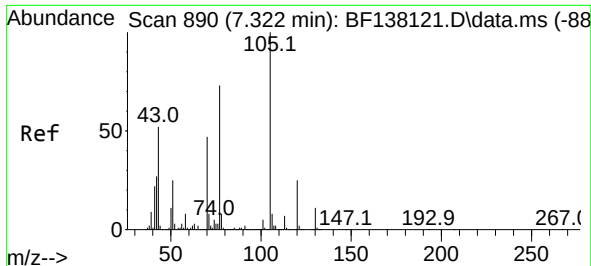
Ion Ratio Lower Upper

77 100

105 87.6 75.8 115.8

106 85.2 73.9 113.9

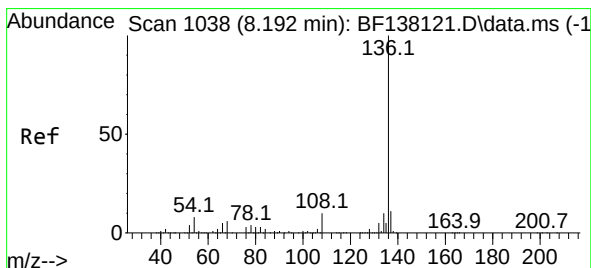
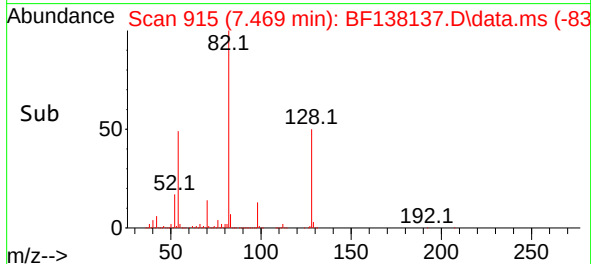
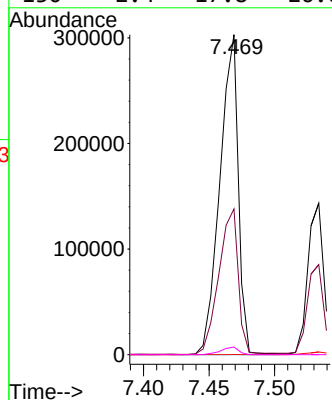
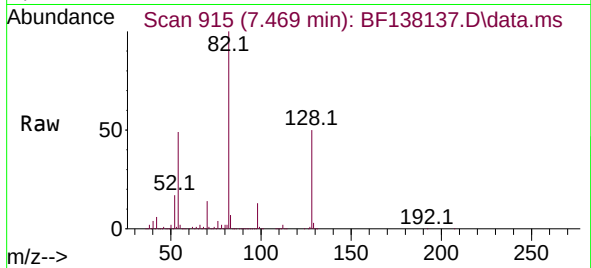




#19
n-Nitroso-di-n-propylamine
Concen: 16.199 ng
RT: 7.469 min Scan# 915
Delta R.T. 0.147 min
Lab File: BF138137.D
Acq: 06 Jun 2024 17:12

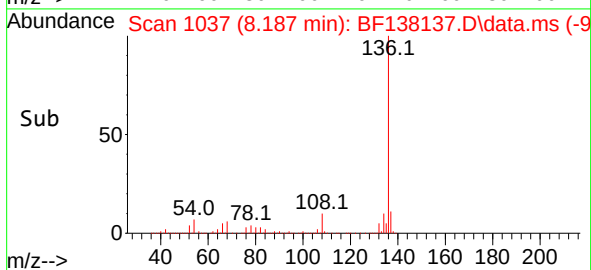
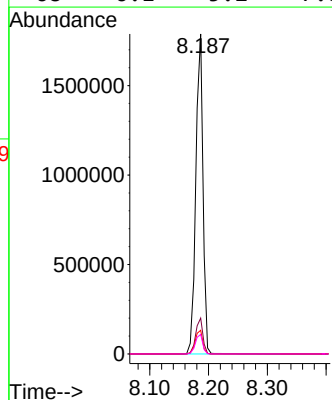
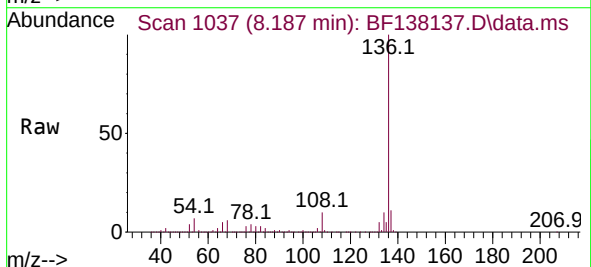
Instrument :
BNA_F
ClientSampleId :
WCS-TPN

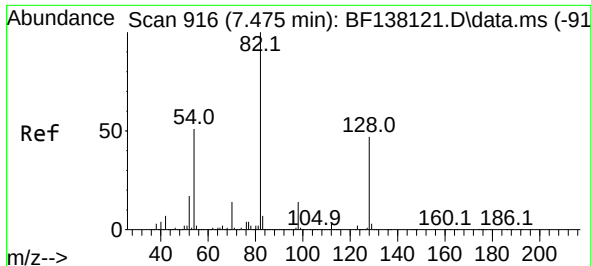
Tgt Ion: 70 Resp: 295842
Ion Ratio Lower Upper
70 100
42 45.5 46.3 69.5#
101 0.1 7.7 11.5#
130 2.4 17.8 26.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF138137.D
Acq: 06 Jun 2024 17:12

Tgt Ion:136 Resp: 1500403
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 7.4 6.2 9.2
68 6.1 5.2 7.8





#23

Nitrobenzene-d5

Concen: 97.122 ng

RT: 7.469 min Scan# 915

Delta R.T. -0.006 min

Lab File: BF138137.D

Acq: 06 Jun 2024 17:12

Instrument :

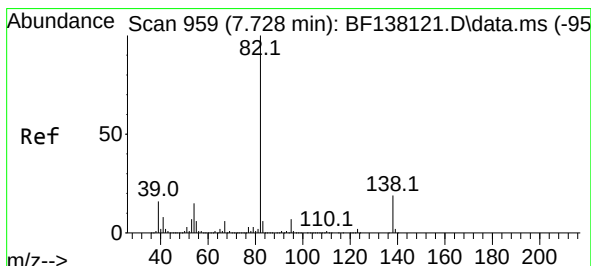
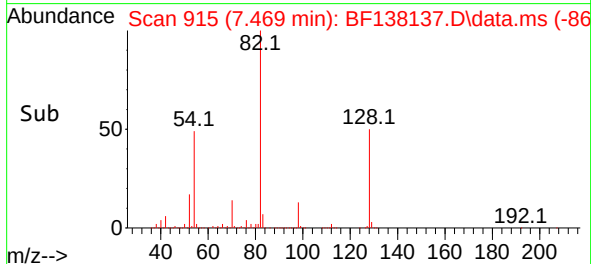
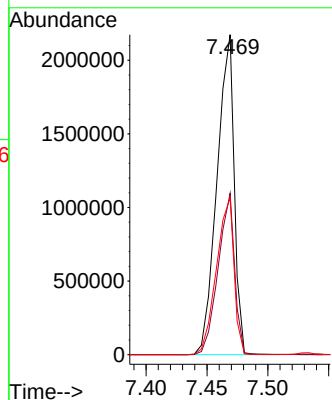
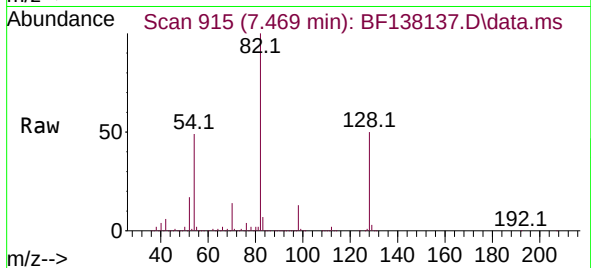
BNA_F

ClientSampleId :

WCS-TPN

Tgt Ion: 82 Resp: 2141792

Ion	Ratio	Lower	Upper
82	100		
128	50.5	37.7	56.5
54	49.0	40.8	61.2



#25

Isophorone

Concen: 44.084 ng

RT: 7.469 min Scan# 915

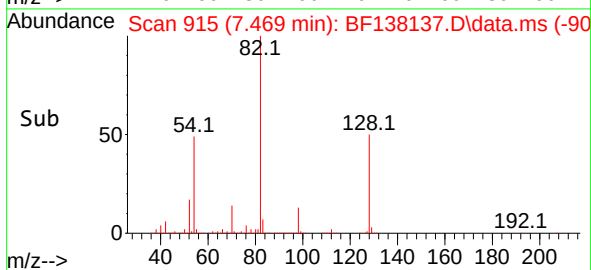
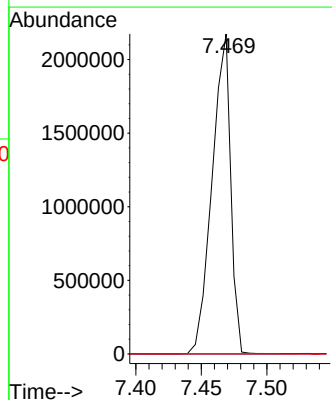
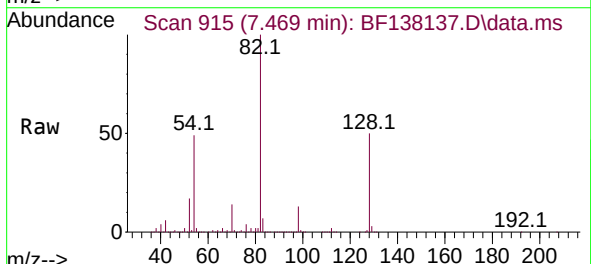
Delta R.T. -0.259 min

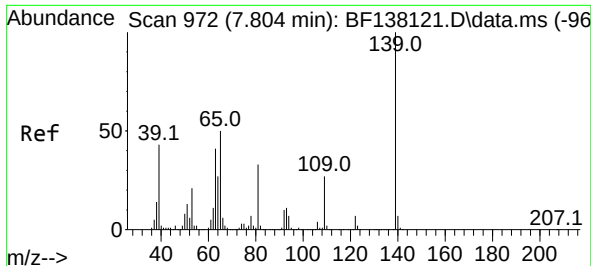
Lab File: BF138137.D

Acq: 06 Jun 2024 17:12

Tgt Ion: 82 Resp: 2141758

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	15.5	23.3#

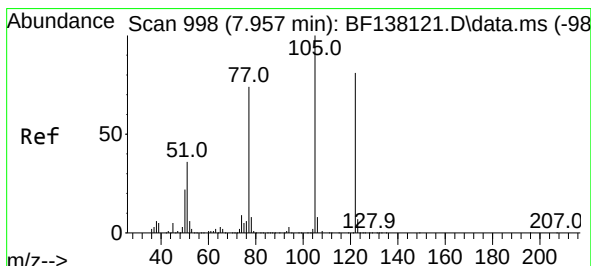
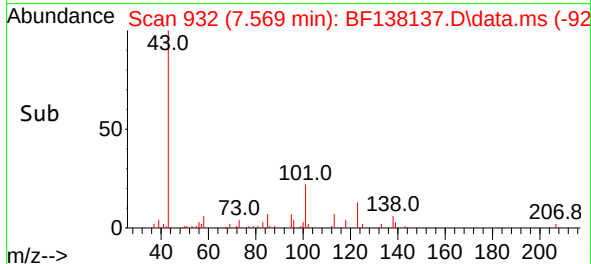
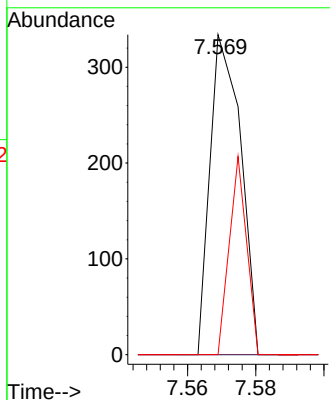
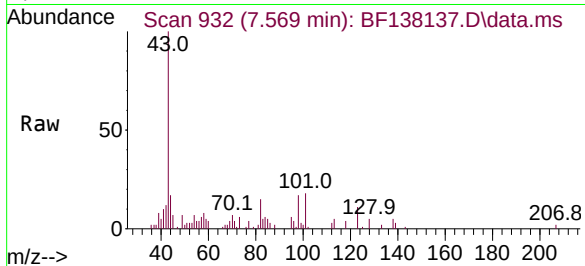




#26
2-Nitrophenol
Concen: 5.073 ng
RT: 7.569 min Scan# 911
Delta R.T. -0.235 min
Lab File: BF138137.D
Acq: 06 Jun 2024 17:12

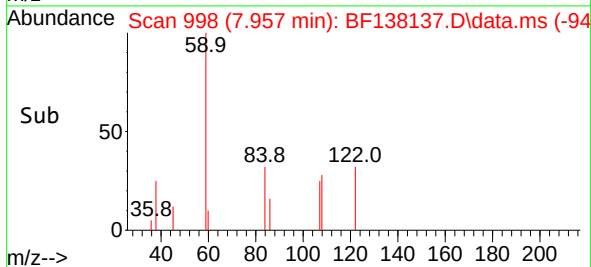
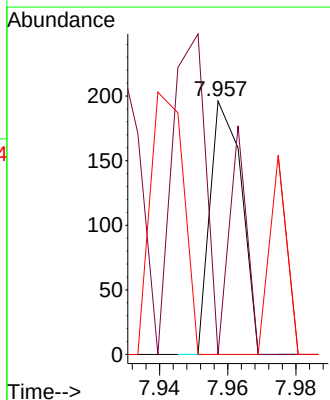
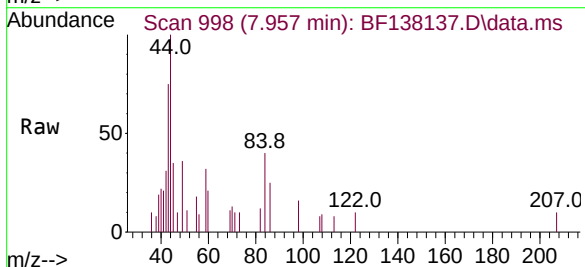
Instrument :
BNA_F
ClientSampleId :
WCS-TPN

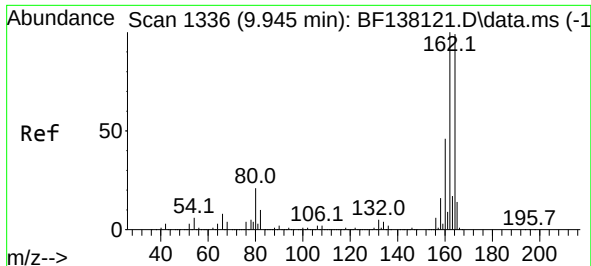
Tgt Ion:139 Resp: 209
Ion Ratio Lower Upper
139 100
109 0.0 21.8 32.6#
65 0.0 40.1 60.1#



#32
Benzoic acid
Concen: 7.944 ng
RT: 7.957 min Scan# 998
Delta R.T. 0.000 min
Lab File: BF138137.D
Acq: 06 Jun 2024 17:12

Tgt Ion:122 Resp: 126
Ion Ratio Lower Upper
122 100
105 0.0 102.8 142.8#
77 0.0 71.2 111.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138137.D

Acq: 06 Jun 2024 17:12

Instrument :

BNA_F

ClientSampleId :

WCS-TPN

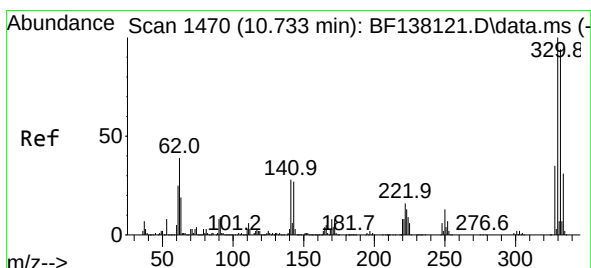
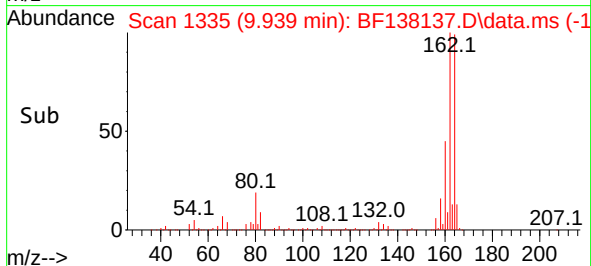
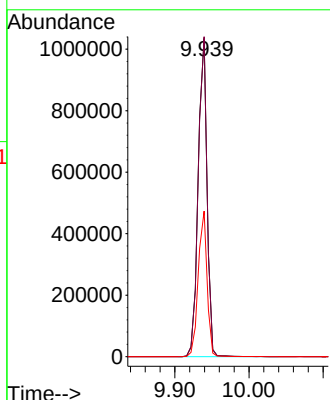
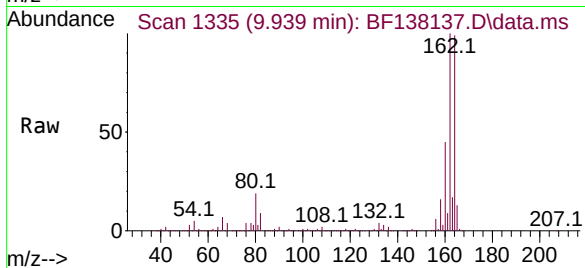
Tgt Ion:164 Resp: 860436

Ion Ratio Lower Upper

164 100

162 100.5 80.9 121.3

160 45.7 37.0 55.6



#42

2,4,6-Tribromophenol

Concen: 147.102 ng

RT: 10.728 min Scan# 1469

Delta R.T. -0.005 min

Lab File: BF138137.D

Acq: 06 Jun 2024 17:12

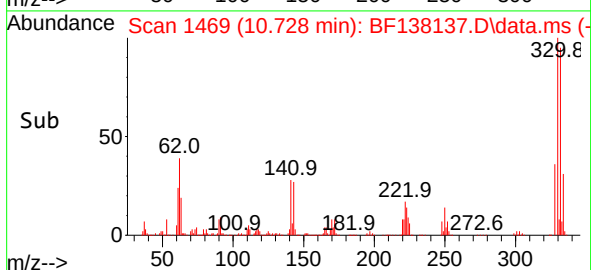
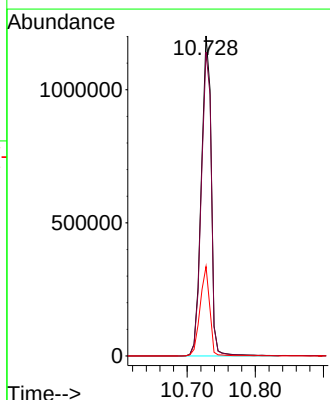
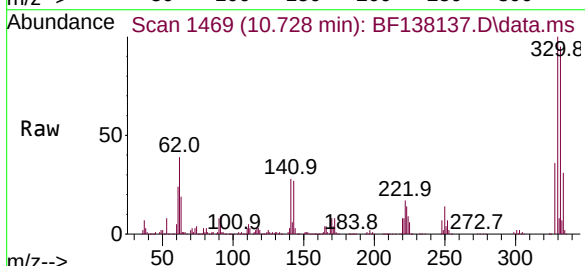
Tgt Ion:330 Resp: 1218093

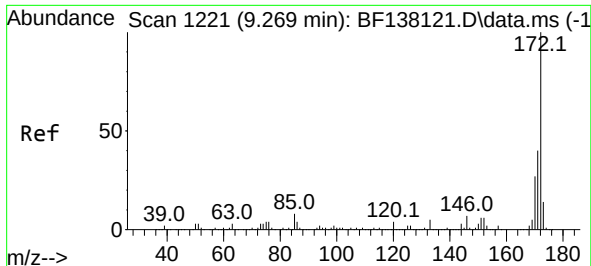
Ion Ratio Lower Upper

330 100

332 96.3 75.8 113.8

141 27.3 23.2 34.8

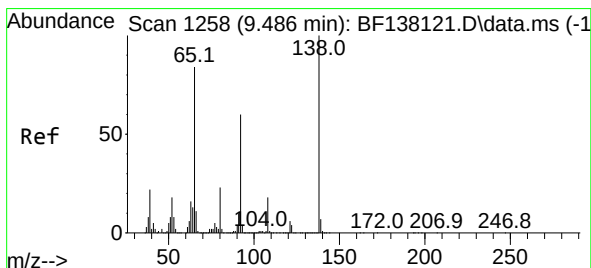
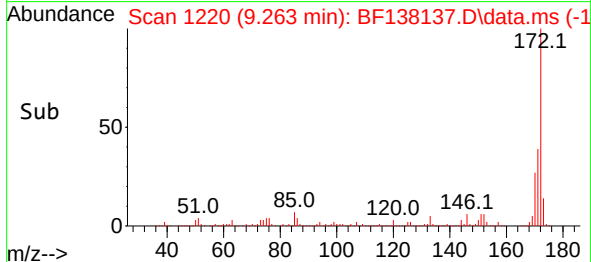
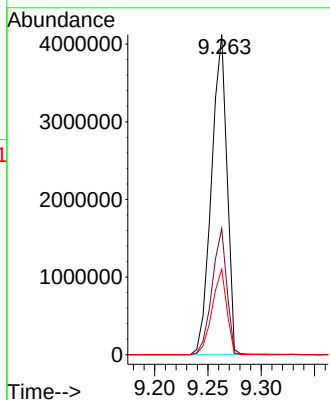
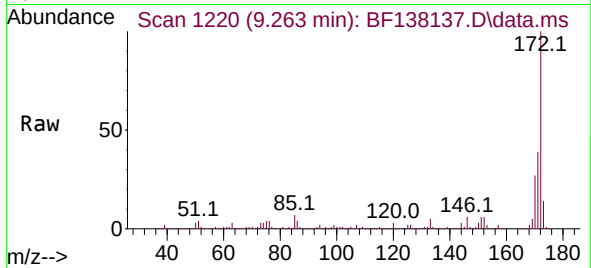




#45
2-Fluorobiphenyl
Concen: 84.560 ng
RT: 9.263 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138137.D
Acq: 06 Jun 2024 17:12

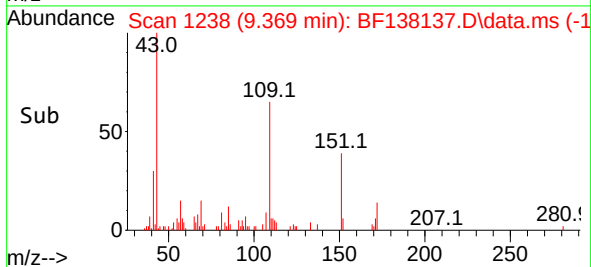
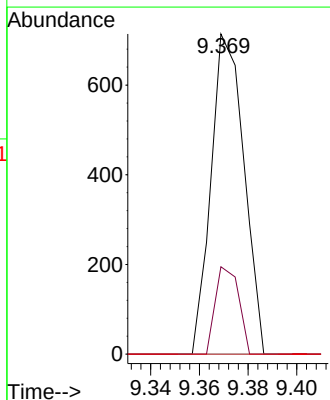
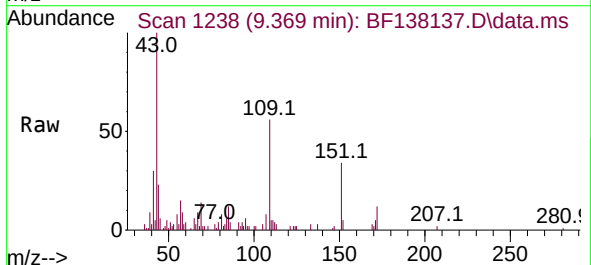
Instrument :
BNA_F
ClientSampleId :
WCS-TPN

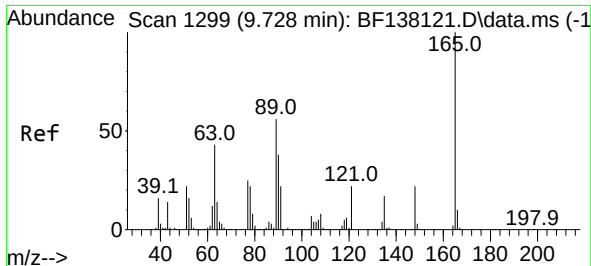
Tgt Ion:172 Resp: 4161099
Ion Ratio Lower Upper
172 100
171 39.3 31.6 47.4
170 26.8 21.4 32.2



#48
2-Nitroaniline
Concen: 4.847 ng
RT: 9.369 min Scan# 1238
Delta R.T. -0.117 min
Lab File: BF138137.D
Acq: 06 Jun 2024 17:12

Tgt Ion: 65 Resp: 670
Ion Ratio Lower Upper
65 100
92 27.3 57.3 85.9#
138 0.0 95.4 143.2#





#51

2,6-Dinitrotoluene

Concen: 12.337 ng

RT: 9.939 min Scan# 1

Delta R.T. 0.211 min

Lab File: BF138137.D

Acq: 06 Jun 2024 17:12

Instrument :

BNA_F

ClientSampleId :

WCS-TPN

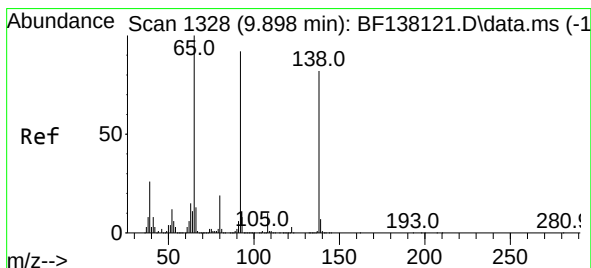
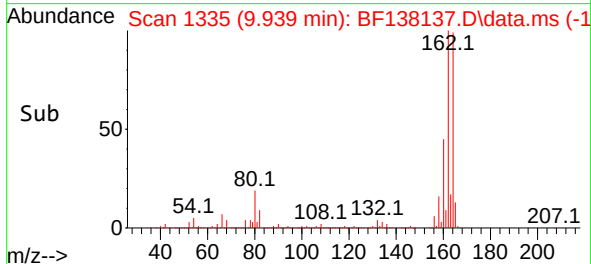
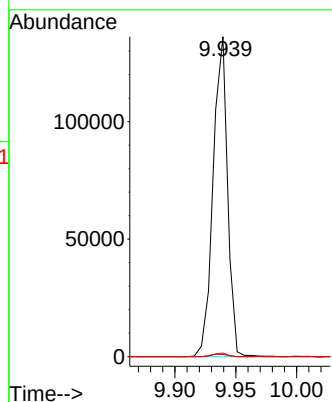
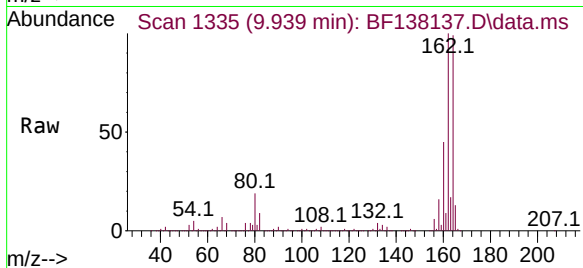
Tgt Ion:165 Resp: 112839

Ion Ratio Lower Upper

165 100

63 0.7 42.9 64.3#

89 1.2 45.0 67.4#



#53

3-Nitroaniline

Concen: 2.950 ng

RT: 9.881 min Scan# 1325

Delta R.T. -0.017 min

Lab File: BF138137.D

Acq: 06 Jun 2024 17:12

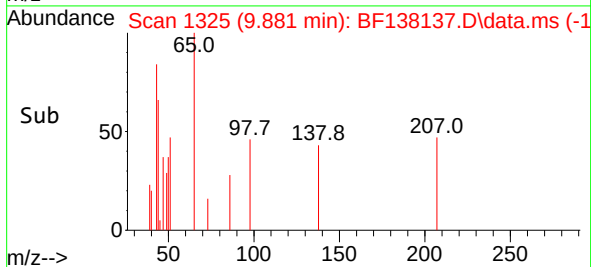
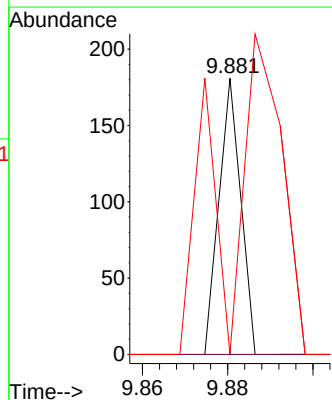
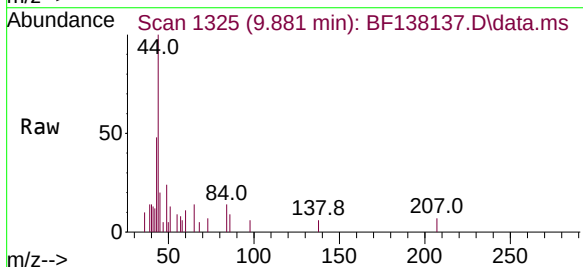
Tgt Ion:138 Resp: 64

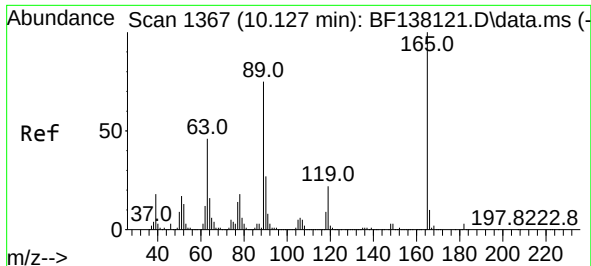
Ion Ratio Lower Upper

138 100

108 0.0 10.3 15.5#

92 0.0 89.5 134.3#

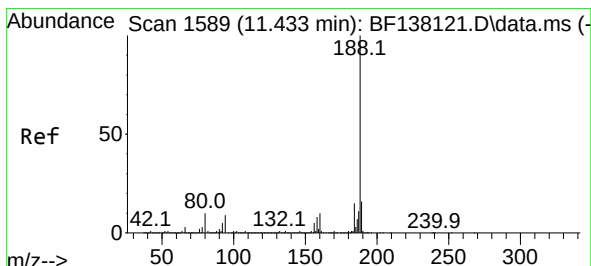
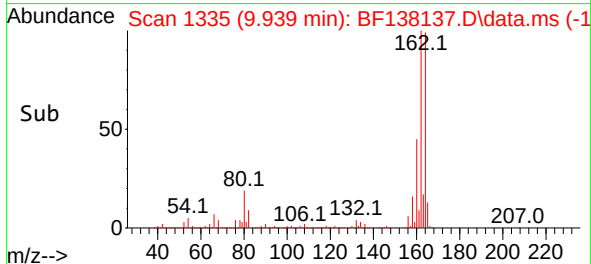
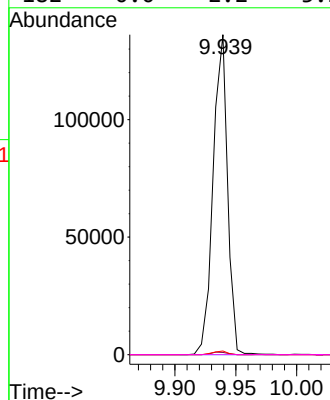
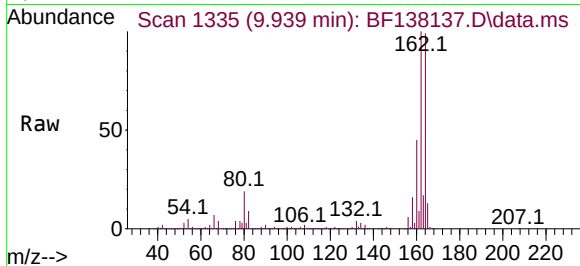




#57
2,4-Dinitrotoluene
Concen: 11.226 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF138137.D
Acq: 06 Jun 2024 17:12

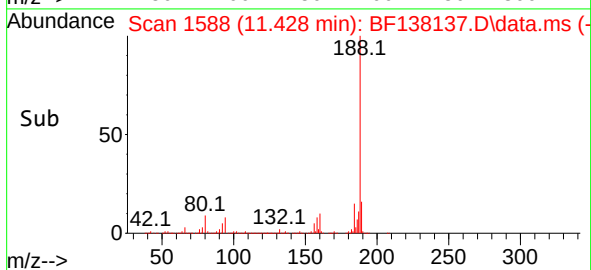
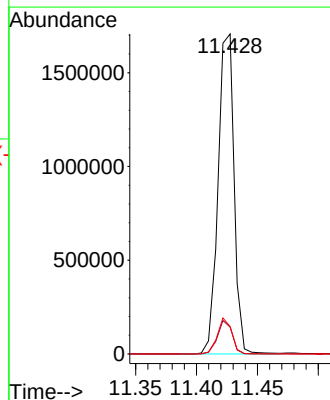
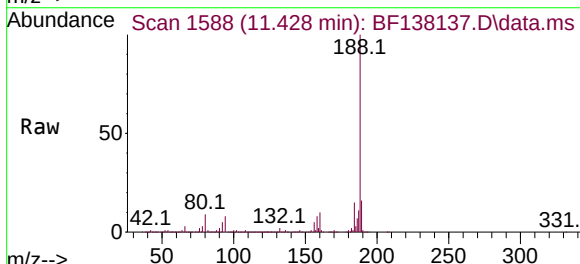
Instrument :
BNA_F
ClientSampleId :
WCS-TPN

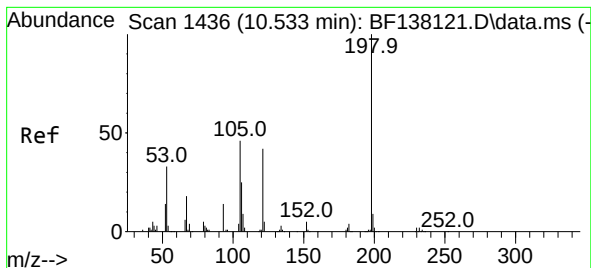
Tgt Ion:165 Resp: 112839
Ion Ratio Lower Upper
165 100
63 0.7 36.8 55.2#
89 1.2 60.2 90.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF138137.D
Acq: 06 Jun 2024 17:12

Tgt Ion:188 Resp: 1563613
Ion Ratio Lower Upper
188 100
94 8.4 7.4 11.2
80 8.6 7.7 11.5

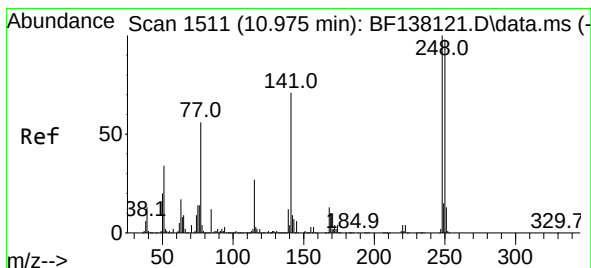
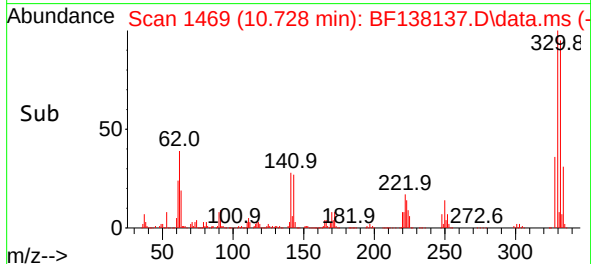
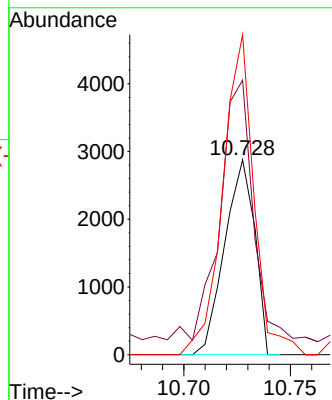
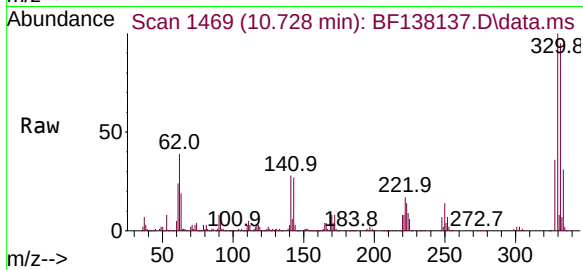




#65
4,6-Dinitro-2-methylphenol
Concen: 8.889 ng
RT: 10.728 min Scan# 1469
Delta R.T. 0.195 min
Lab File: BF138137.D
Acq: 06 Jun 2024 17:12

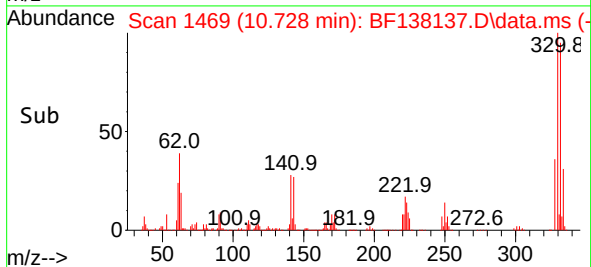
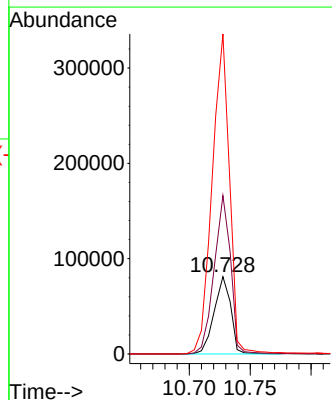
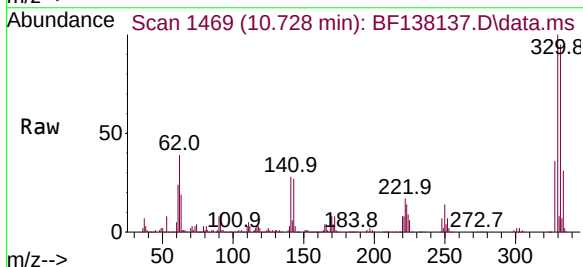
Instrument :
BNA_F
ClientSampleId :
WCS-TPN

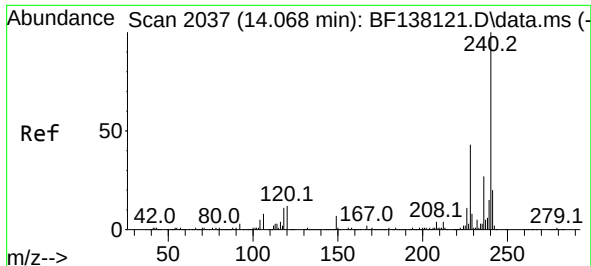
Tgt Ion:198 Resp: 2829
Ion Ratio Lower Upper
198 100
51 140.9 28.2 68.2#
105 164.2 26.8 66.8#



#67
4-Bromophenyl-phenylether
Concen: 4.323 ng
RT: 10.728 min Scan# 1469
Delta R.T. -0.247 min
Lab File: BF138137.D
Acq: 06 Jun 2024 17:12

Tgt Ion:248 Resp: 76971
Ion Ratio Lower Upper
248 100
250 205.0 78.7 118.1#
141 414.2 56.5 84.7#

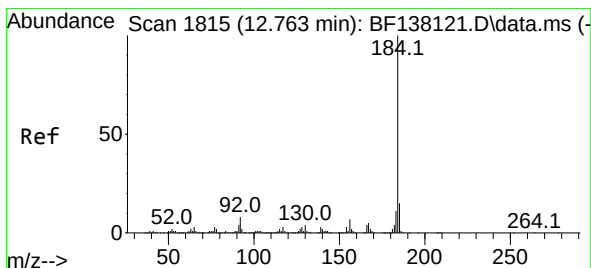
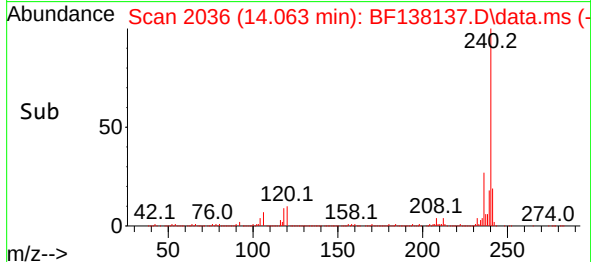
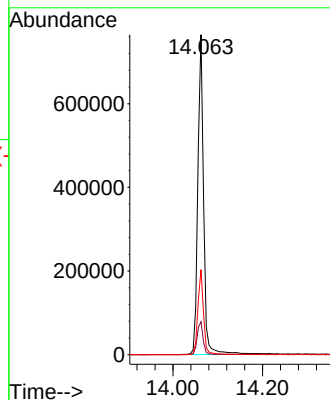
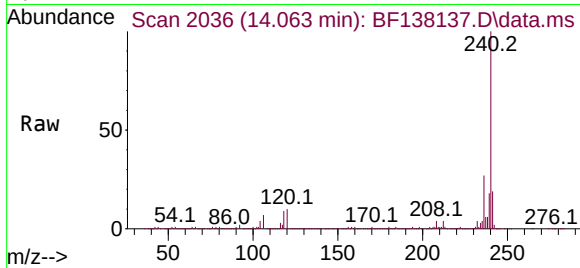




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.005 min
Lab File: BF138137.D
Acq: 06 Jun 2024 17:12

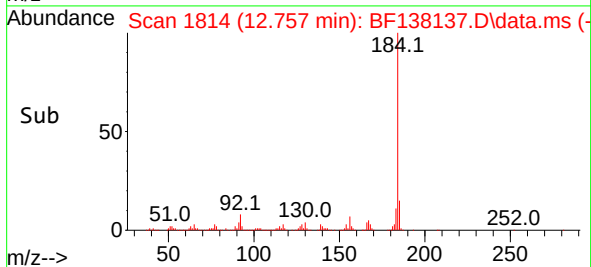
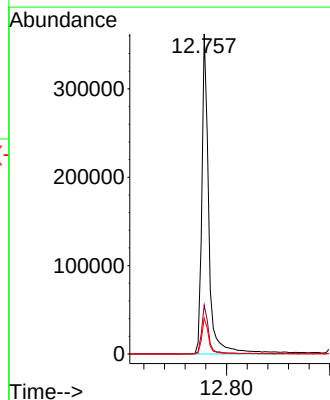
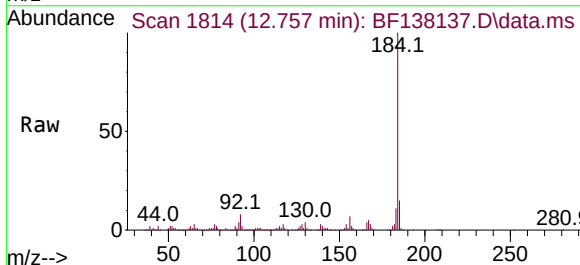
Instrument :
BNA_F
ClientSampleId :
WCS-TPN

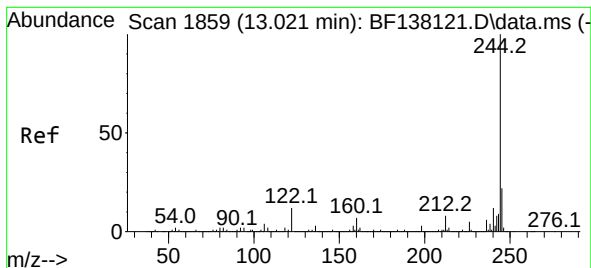
Tgt Ion:240 Resp: 688533
Ion Ratio Lower Upper
240 100
120 10.3 9.8 14.8
236 26.6 21.2 31.8



#77
Benzidine
Concen: 47.844 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF138137.D
Acq: 06 Jun 2024 17:12

Tgt Ion:184 Resp: 338996
Ion Ratio Lower Upper
184 100
185 15.3 12.2 18.2
183 11.2 9.0 13.4





#79

Terphenyl-d14

Concen: 107.986 ng

RT: 13.016 min Scan# 1858

Delta R.T. -0.006 min

Lab File: BF138137.D

Acq: 06 Jun 2024 17:12

Instrument :

BNA_F

ClientSampleId :

WCS-TPN

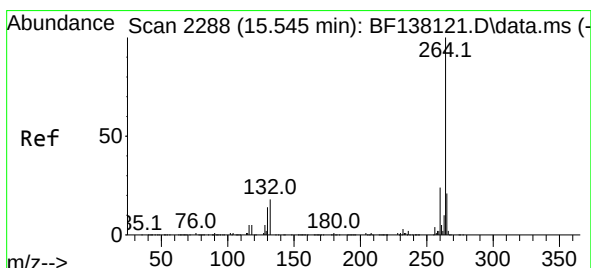
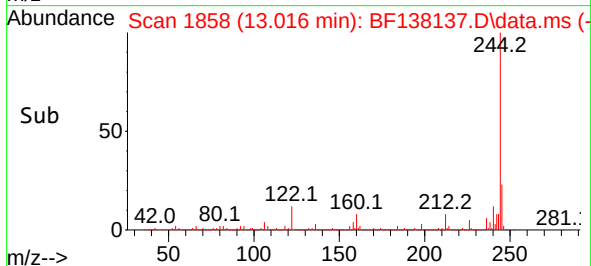
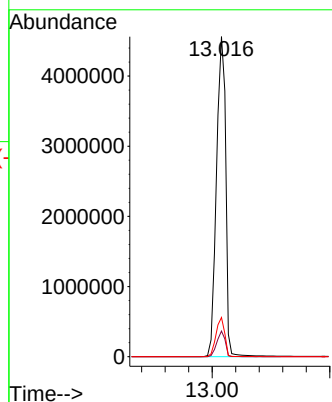
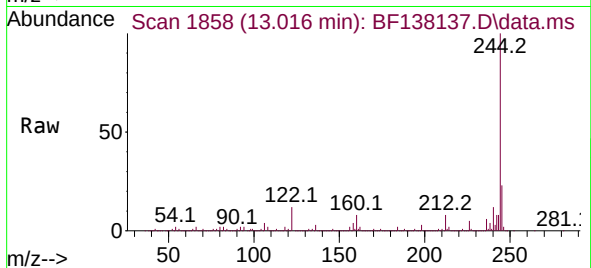
Tgt Ion:244 Resp: 4970919

Ion Ratio Lower Upper

244 100

212 8.0 6.4 9.6

122 12.3 9.4 14.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2288

Delta R.T. 0.000 min

Lab File: BF138137.D

Acq: 06 Jun 2024 17:12

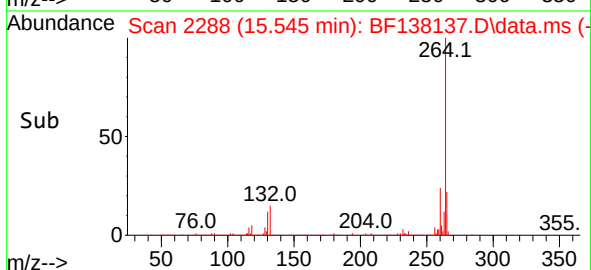
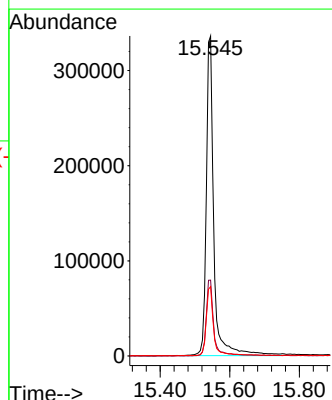
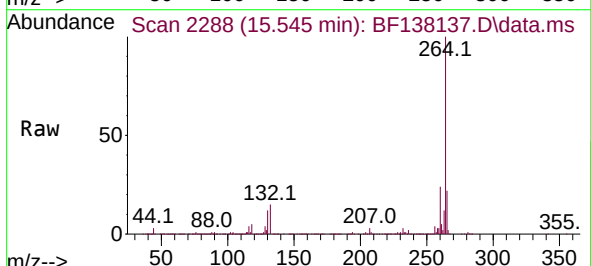
Tgt Ion:264 Resp: 502277

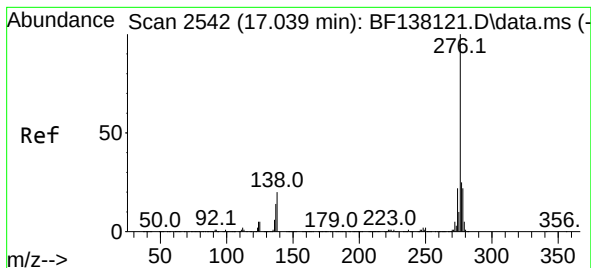
Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.2

265 21.6 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.588 ng

RT: 16.992 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF138137.D

Acq: 06 Jun 2024 17:12

Instrument :

BNA_F

ClientSampleId :

WCS-TPN

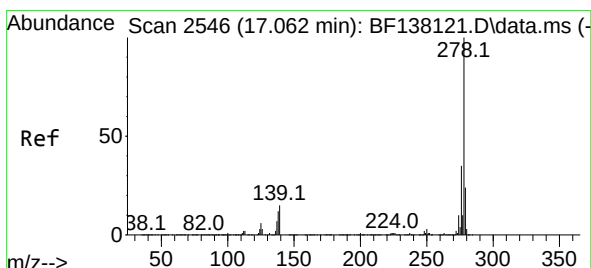
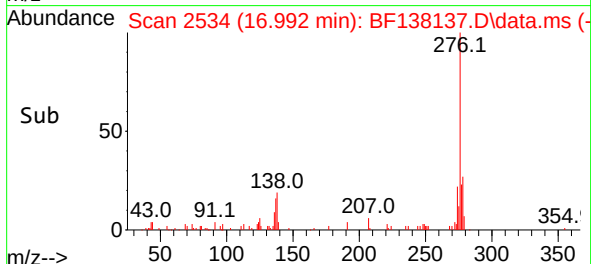
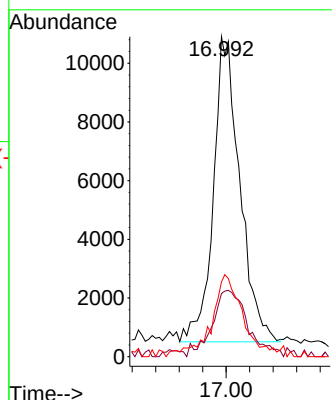
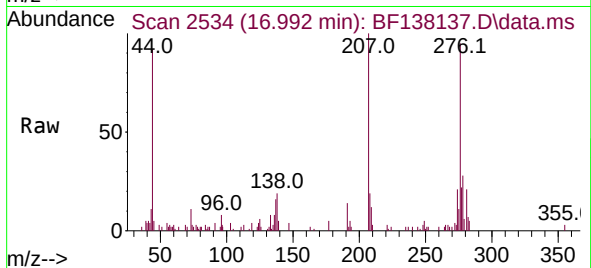
Tgt Ion:276 Resp: 32587

Ion Ratio Lower Upper

276 100

138 29.1 18.9 28.3#

277 31.7 20.3 30.5#



#91

Dibenzo(a,h)anthracene

Concen: 5.128 ng

RT: 17.021 min Scan# 2539

Delta R.T. -0.041 min

Lab File: BF138137.D

Acq: 06 Jun 2024 17:12

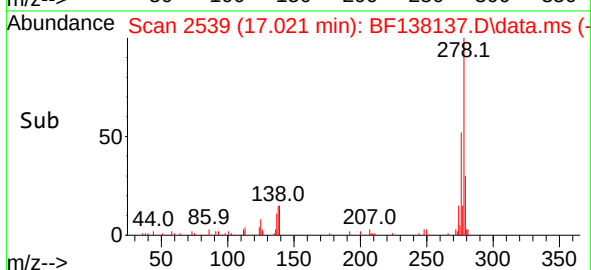
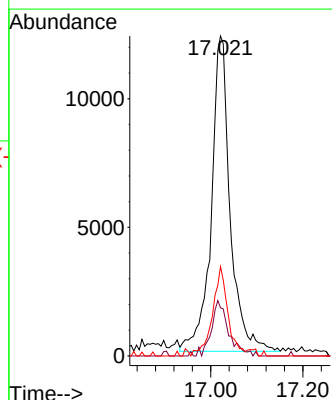
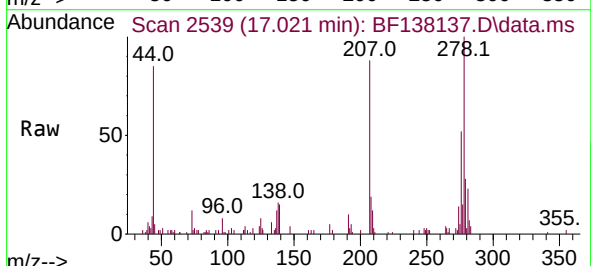
Tgt Ion:278 Resp: 34881

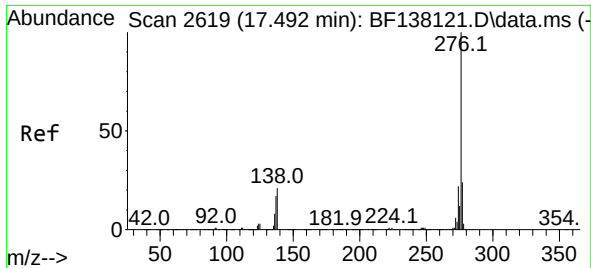
Ion Ratio Lower Upper

278 100

139 15.1 11.7 17.5

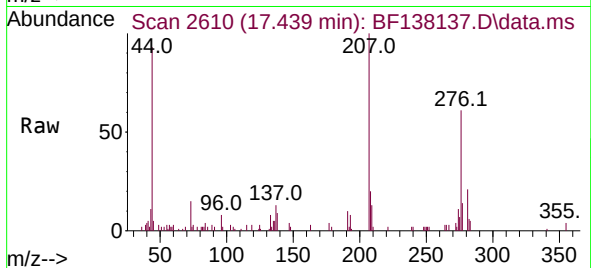
279 27.9 19.2 28.8





#92
 Benzo(g,h,i)perylene
 Concen: 3.755 ng
 RT: 17.439 min Scan# 20
 Delta R.T. -0.053 min
 Lab File: BF138137.D
 Acq: 06 Jun 2024 17:12

Instrument :
 BNA_F
 ClientSampleId :
 WCS-TPN



Tgt Ion:	276	Resp:	18664
Ion	Ratio	Lower	Upper
276	100		
277	22.6	19.0	28.4
138	15.1	16.5	24.7

