

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082120\
 Data File : BN011579.D
 Acq On : 22 Aug 2020 09:41
 Operator : CG/JU
 Sample : L3768-05MSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-3MSD

Quant Time: Aug 24 01:23:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082120.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 22 04:52:07 2020
 Response via : Initial Calibration

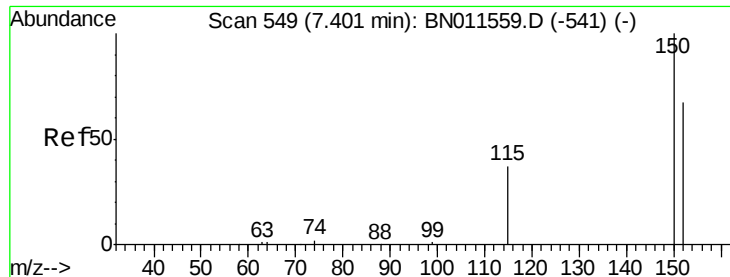
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1555	0.40	ng	0.00
7) Naphthalene-d8	10.14	136	5415	0.40	ng	-0.01
13) Acenaphthene-d10	14.03	164	3057	0.40	ng	0.00
19) Phenanthrene-d10	16.79	188	6125	0.40	ng	0.00
29) Chrysene-d12	21.01	240	5368	0.40	ng	0.00
36) Perylene-d12	23.11	264	6645	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.07	112	1710	0.52	ng	0.00
5) Phenol-d6	6.62	99	1583	0.47	ng	0.00
8) Nitrobenzene-d5	8.54	82	2189	0.62	ng	-0.01
11) 2-Methylnaphthalene-d10	11.74	152	3027	0.31	ng	0.00
14) 2,4,6-Tribromophenol	15.54	330	537	0.35	ng	-0.01
15) 2-Fluorobiphenyl	12.64	172	7713	0.61	ng	-0.01
27) Fluoranthene-d10	18.83	212	5921	0.29	ng	0.00
31) Terphenyl-d14	19.45	244	8972	0.64	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.11	88	649	0.305	ng	# 100
3) n-Nitrosodimethylamine	3.43	42	341	0.389	ng	# 92
6) bis(2-Chloroethyl)ether	6.87	93	903	0.276	ng	# 82
9) Naphthalene	10.19	128	4911	0.313	ng	98
10) Hexachlorobutadiene	10.48	225	1226	0.279	ng	# 99
12) 2-Methylnaphthalene	11.82	142	3178	0.294	ng	97
16) Acenaphthylene	13.74	152	4876	0.314	ng	98
17) Acenaphthene	14.09	154	3097	0.304	ng	99
18) Fluorene	15.09	166	3764	0.279	ng	99
20) 4,6-Dinitro-2-methylphenol	15.23	198	174	0.318	ng	98
21) 4-Bromophenyl-phenylether	16.02	248	342	0.256	ng	# 88
22) Hexachlorobenzene	16.10	284	1473	0.312	ng	99
23) Atrazine	16.29	200	852	0.267	ng	97
24) Pentachlorophenol	16.46	266	721	0.490	ng	99
25) Phenanthrene	16.82	178	5982	0.310	ng	100
26) Anthracene	16.92	178	4975	0.309	ng	98
28) Fluoranthene	18.86	202	6935	0.280	ng	99
30) Pvrene	19.23	202	7175	0.336	ng	99
32) Benzo(a)anthracene	20.99	228	5703	0.323	ng	99
33) Chrysene	21.05	228	6312	0.315	ng	99
34) Bis(2-ethylhexyl)phthalate	20.95	149	3432	0.428	ng	98
35) Indeno(1,2,3-cd)pyrene	25.13	276	8416	0.462	ng	# 94
37) Benzo(b)fluoranthene	22.49	252	7756	0.316	ng	# 96
38) Benzo(k)fluoranthene	22.54	252	8919	0.305	ng	# 96
39) Benzo(a)pyrene	23.02	252	6546	0.288	ng	93
40) Dibenzo(a,h)anthracene	25.15	278	7295	0.384	ng	# 89
41) Benzo(g,h,i)perylene	25.75	276	8031	0.354	ng	98

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

```
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Data File : BN011579.D  
Acq On    : 22 Aug 2020 09:41  
Operator  : CG/JU  
Sample    : L3768-05MSD  
Misc      :  
ALS Vial  : 24 Sample Multiplier: 1
```

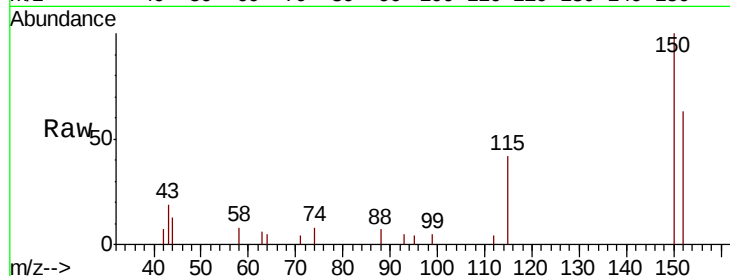


#1

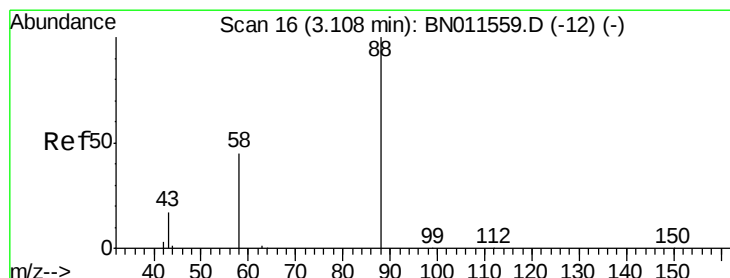
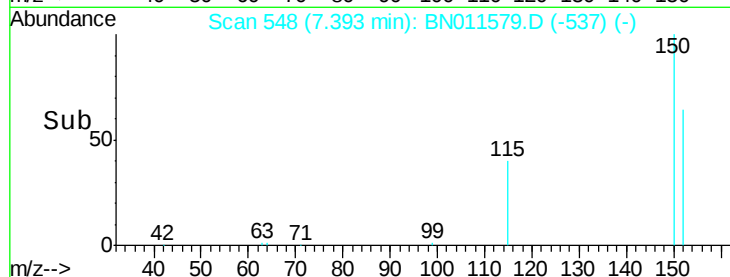
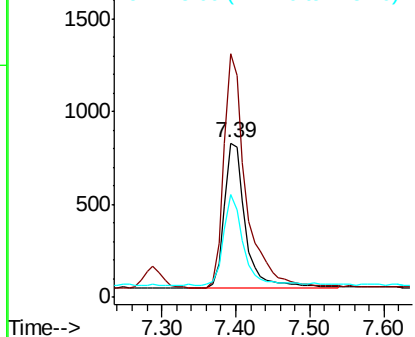
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 548
Delta R.T. -0.01 min
Lab File: BN011579.D
Acq: 22 Aug 2020 09:41

Instrument :
BNA_N
ClientSampleId :
CS-3MSD

Tot Ion:152 Resp: 1555
Ion Ratio Lower Upper
152 100
150 157.5 117.1 175.7
115 66.3 48.7 73.1



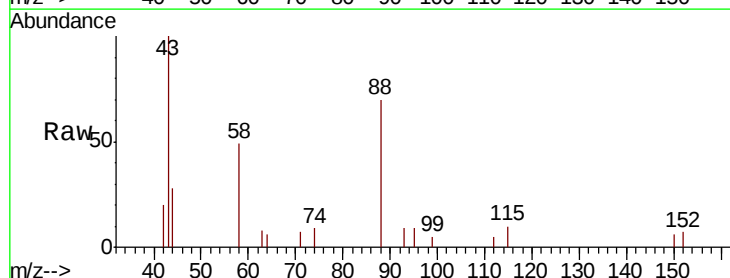
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



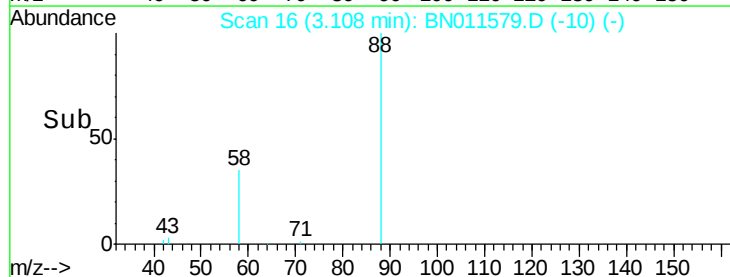
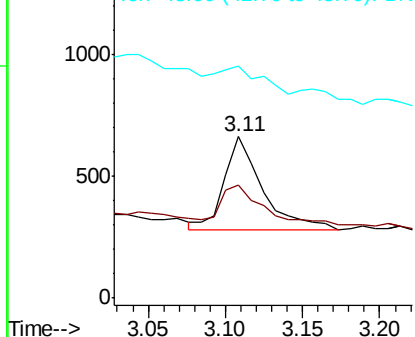
#2

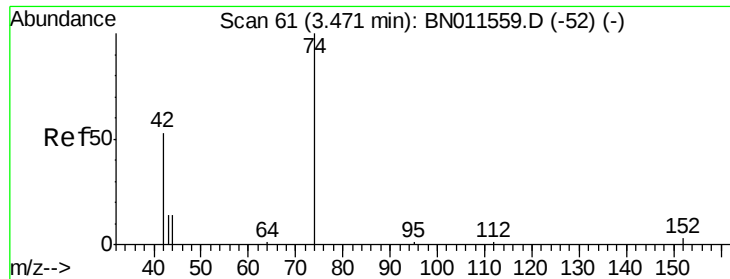
1,4-Dioxane
Concen: 0.305 ng
RT: 3.11 min Scan# 16
Delta R.T. 0.00 min
Lab File: BN011579.D
Acq: 22 Aug 2020 09:41

Tgt Ion: 88 Resp: 649
Ion Ratio Lower Upper
88 100
58 48.2 0.0 0.0#
43 0.0 0.0 0.0



Abundance Ion 88.00 (87.70 to 88.70): BNC
Ion 58.00 (57.70 to 58.70): BNC
Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.389 ng

RT: 3.43 min Scan# 56

Delta R.T. -0.04 min

Lab File: BN011579.D

Acq: 22 Aug 2020 09:41

Instrument :

BNA_N

ClientSampleId :

CS-3MSD

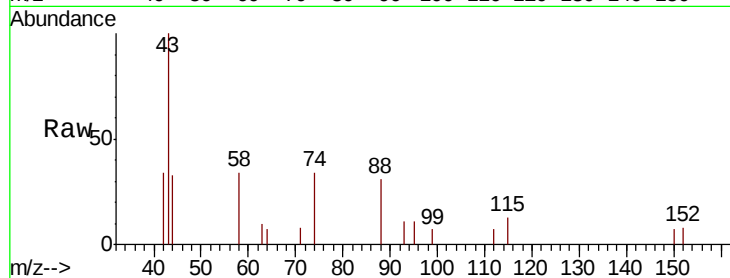
Tot Ion: 42 Resp: 341

Ion Ratio Lower Upper

42 100

74 206.7 169.0 253.4

44 0.0 21.6 32.4#



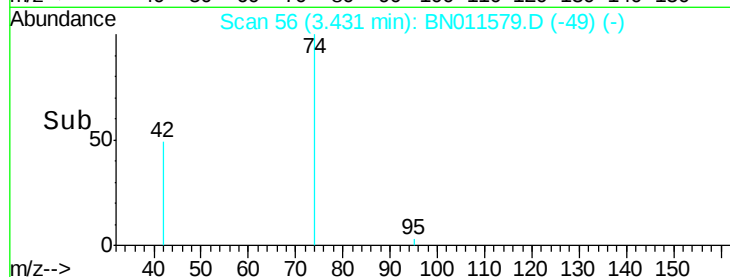
Abundance Ion 42.00 (41.70 to 42.70): BN0

Ion 74.00 (73.70 to 74.70): BN0

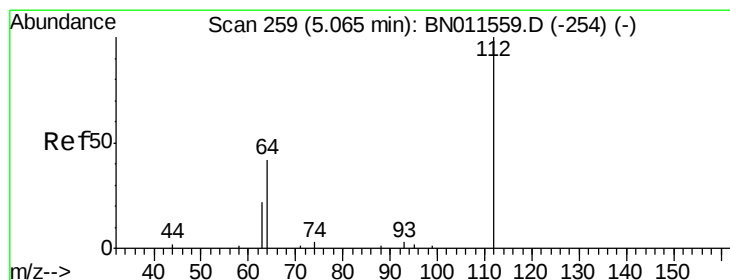
Ion 44.00 (43.70 to 44.70): BN0

3.43

3.40 3.50



Time-->



#4

2-Fluorophenol

Concen: 0.515 ng

RT: 5.07 min Scan# 259

Delta R.T. 0.00 min

Lab File: BN011579.D

Acq: 22 Aug 2020 09:41

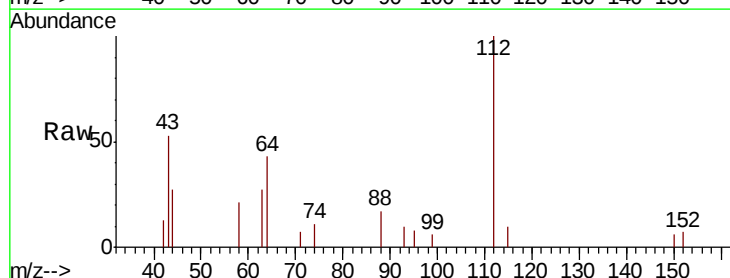
Tgt Ion: 112 Resp: 1710

Ion Ratio Lower Upper

112 100

64 44.1 33.9 50.9

63 24.1 17.7 26.5



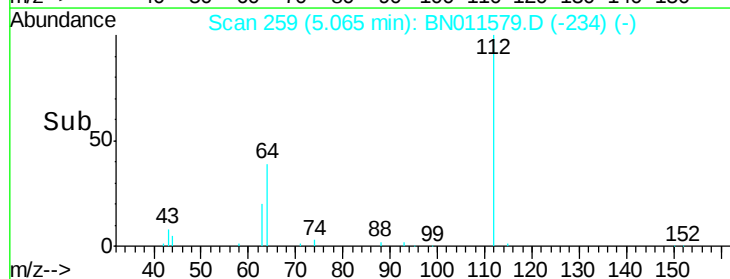
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BN0

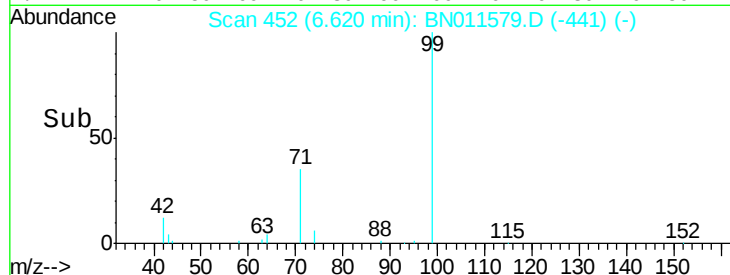
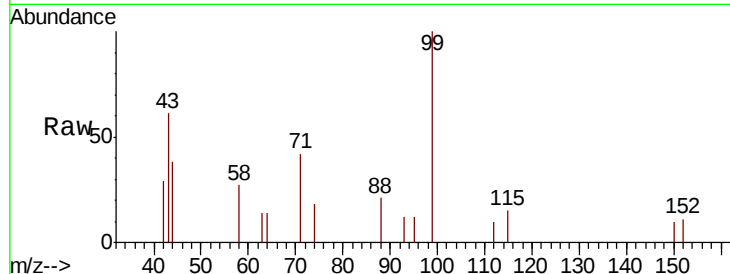
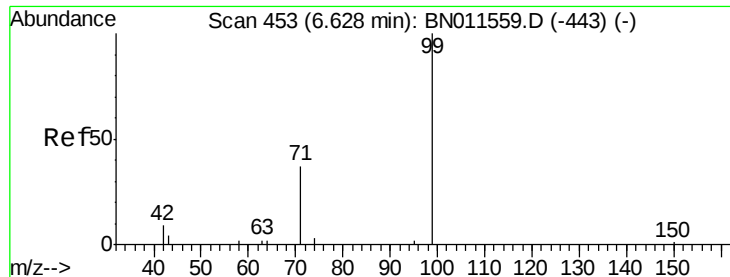
Ion 63.00 (62.70 to 63.70): BN0

5.07

4.90 5.00 5.10 5.20 5.30



Time-->



#5

Phenol-d6

Concen: 0.472 ng

RT: 6.62 min Scan# 452

Delta R.T. -0.01 min

Lab File: BN011579.D

Acq: 22 Aug 2020 09:41

Instrument :

BNA_N

ClientSampleId :

CS-3MSD

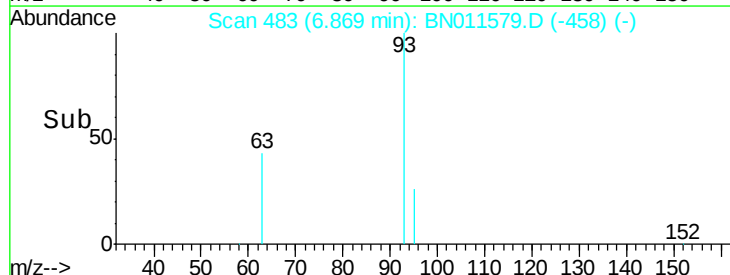
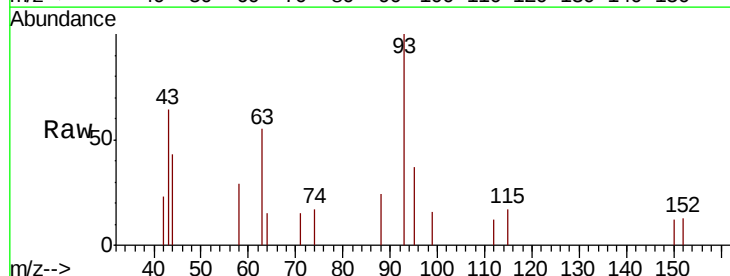
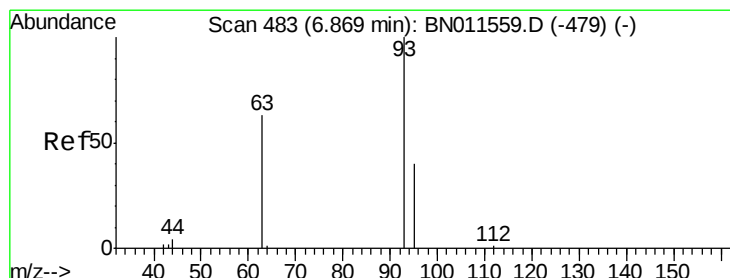
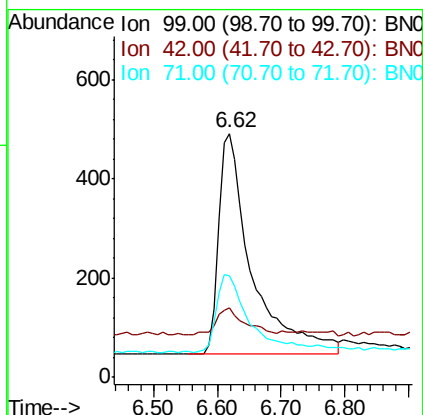
Tot Ion: 99 Resp: 1583

Ion Ratio Lower Upper

99 100

42 10.8 9.0 13.4

71 36.1 30.4 45.6



#6

bis(2-Chloroethyl)ether

Concen: 0.276 ng

RT: 6.87 min Scan# 483

Delta R.T. 0.00 min

Lab File: BN011579.D

Acq: 22 Aug 2020 09:41

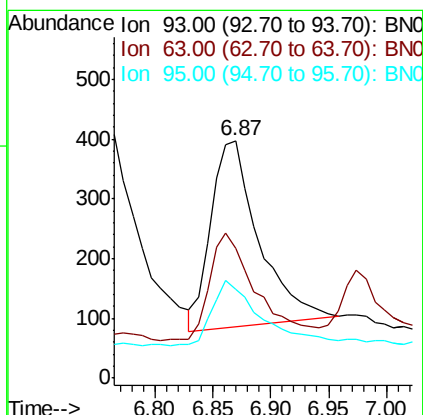
Tgt Ion: 93 Resp: 903

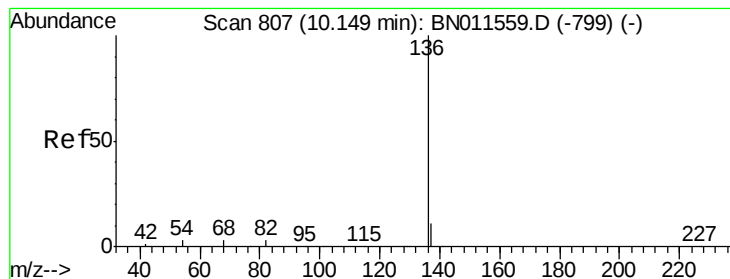
Ion Ratio Lower Upper

93 100

63 55.4 32.9 49.3#

95 38.4 25.3 37.9#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.14 min Scan# 806

Delta R.T. -0.01 min

Lab File: BN011579.D

Acq: 22 Aug 2020 09:41

Instrument :

BNA_N

ClientSampleId :

CS-3MSD

Tot Ion:136 Resp: 5415

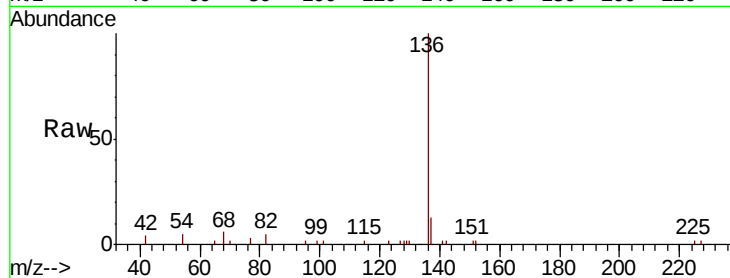
Ion Ratio Lower Upper

136 100

137 12.6 11.0 16.4

54 5.1 4.3 6.5

68 5.5 4.9 7.3

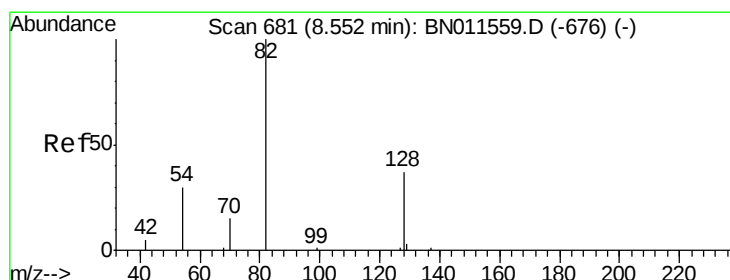
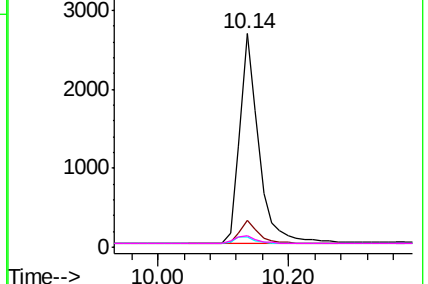
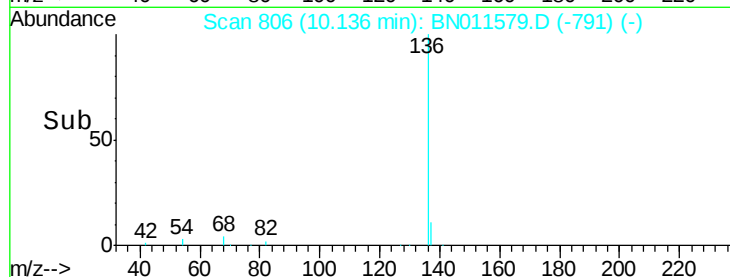


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.615 ng

RT: 8.54 min Scan# 680

Delta R.T. -0.01 min

Lab File: BN011579.D

Acq: 22 Aug 2020 09:41

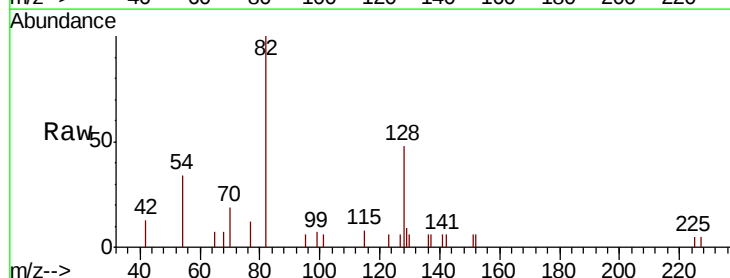
Tgt Ion: 82 Resp: 2189

Ion Ratio Lower Upper

82 100

128 48.3 41.7 62.5

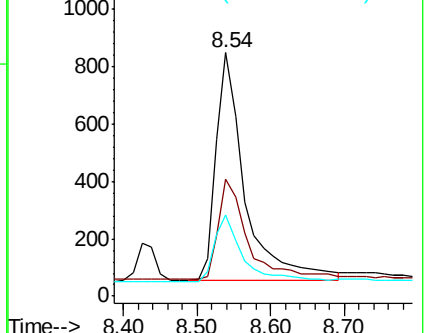
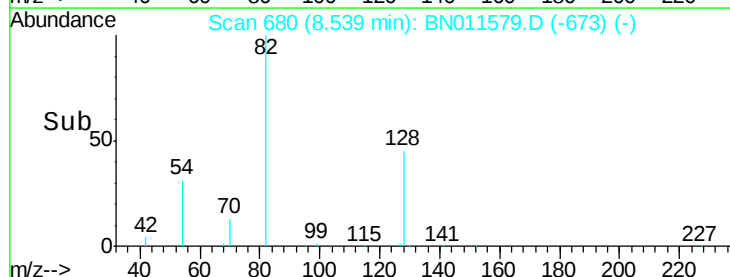
54 33.6 34.4 51.6#

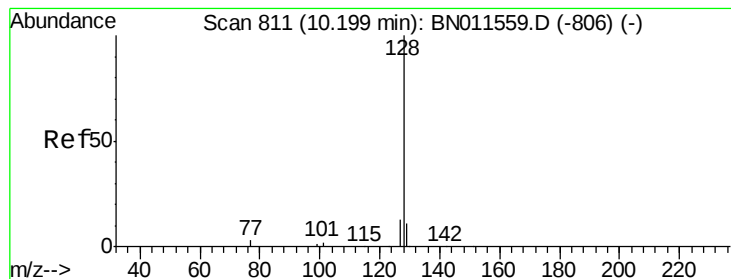


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.313 ng

RT: 10.19 min Scan# 810

Delta R.T. -0.01 min

Lab File: BN011579.D

Acq: 22 Aug 2020 09:41

Instrument :

BNA_N

ClientSampleId :

CS-3MSD

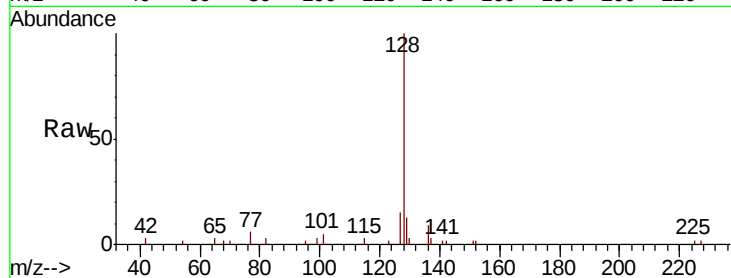
Tot Ion:128 Resp: 4911

Ion Ratio Lower Upper

128 100

129 12.9 10.8 16.2

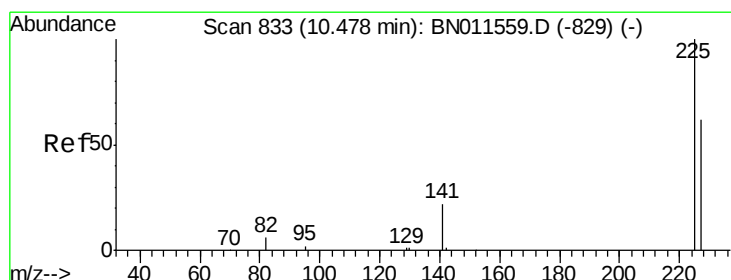
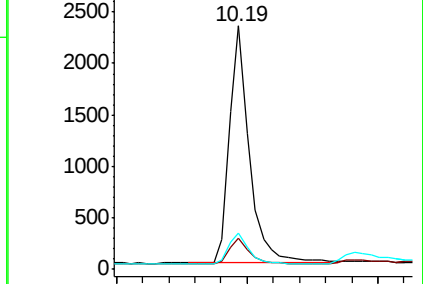
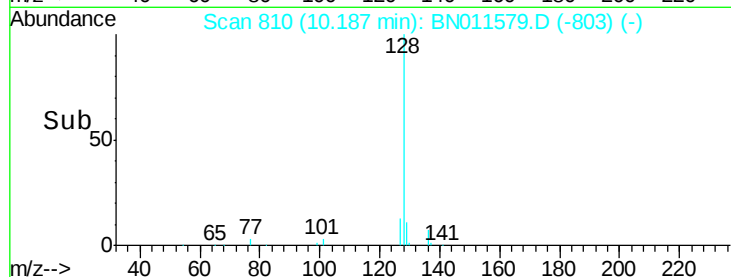
127 14.8 12.3 18.5



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.279 ng

RT: 10.48 min Scan# 833

Delta R.T. 0.00 min

Lab File: BN011579.D

Acq: 22 Aug 2020 09:41

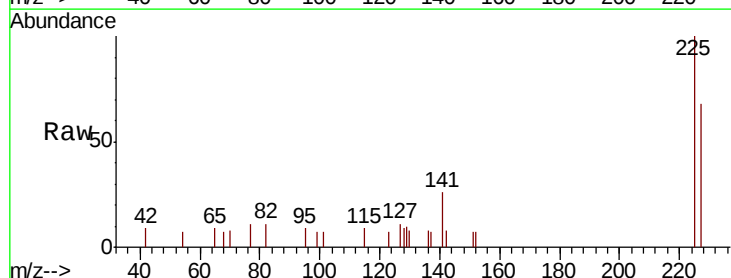
Tgt Ion:225 Resp: 1226

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

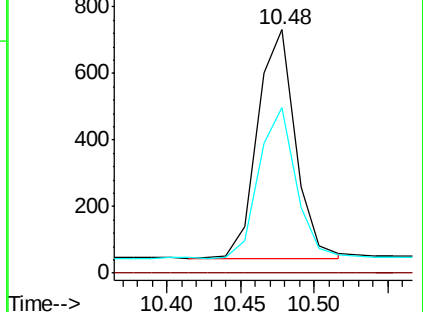
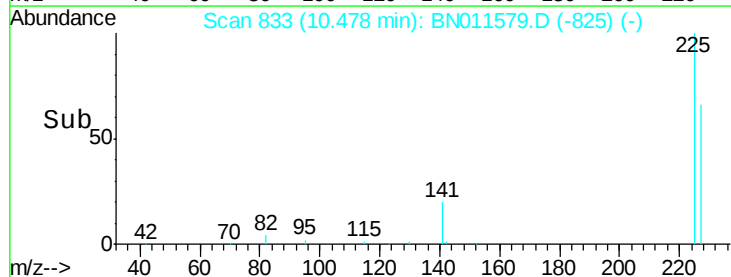
227 64.8 51.3 76.9

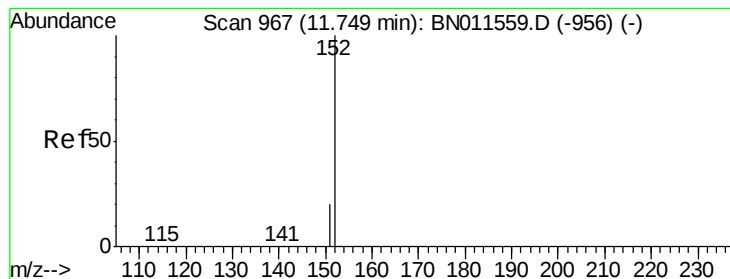


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.313 ng

RT: 11.74 min Scan# 965

Delta R.T. -0.01 min

Lab File: BN011579.D

Acq: 22 Aug 2020 09:41

Instrument :

BNA_N

ClientSampleId :

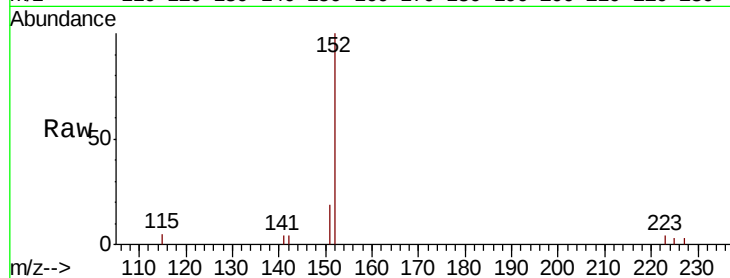
CS-3MSD

Tot Ion:152 Resp: 3027

Ion Ratio Lower Upper

152 100

151 17.4 16.6 24.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.74

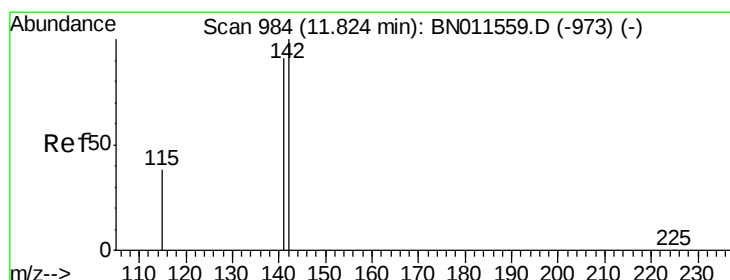
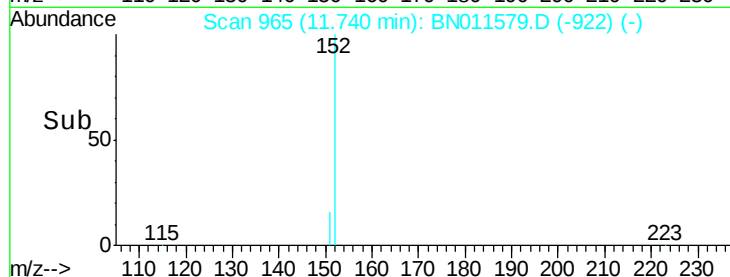
1500

1000

500

0

Time--> 11.60 11.70 11.80 11.90



#12

2-Methylnaphthalene

Concen: 0.294 ng

RT: 11.82 min Scan# 982

Delta R.T. -0.01 min

Lab File: BN011579.D

Acq: 22 Aug 2020 09:41

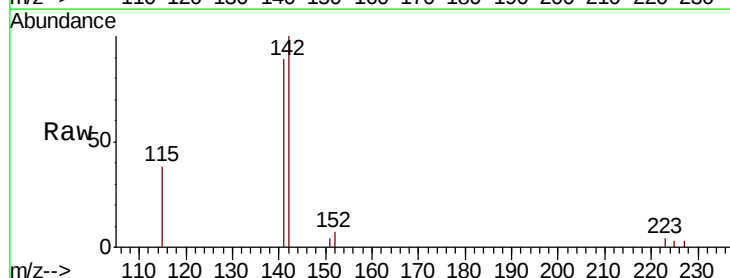
Tgt Ion:142 Resp: 3178

Ion Ratio Lower Upper

142 100

141 88.8 73.0 109.6

115 38.4 33.4 50.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

2000

1500

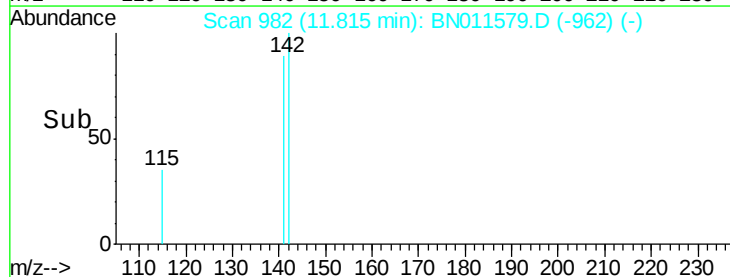
11.82

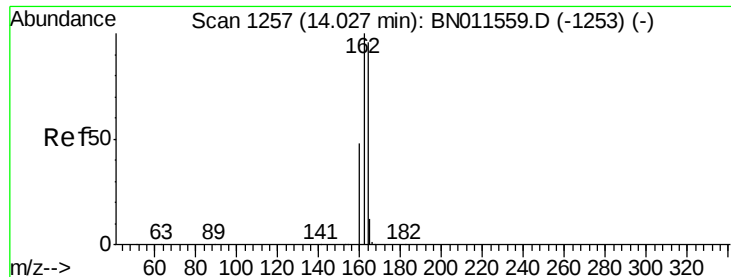
1000

500

0

Time--> 11.70 11.80 11.90 12.00





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1257

Delta R.T. 0.00 min

Lab File: BN011579.D

Acq: 22 Aug 2020 09:41

Instrument :

BNA_N

ClientSampleId :

CS-3MSD

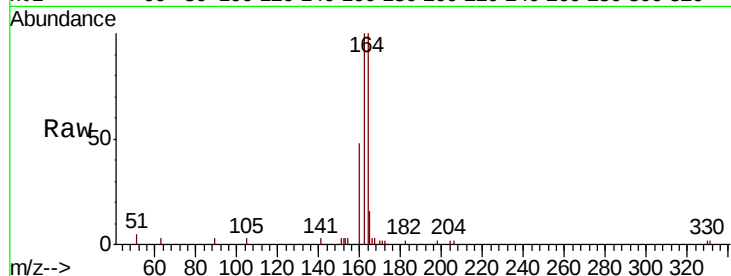
Tot Ion:164 Resp: 3057

Ion Ratio Lower Upper

164 100

162 100.1 83.7 125.5

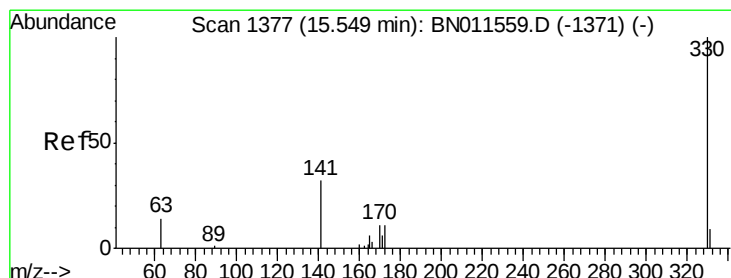
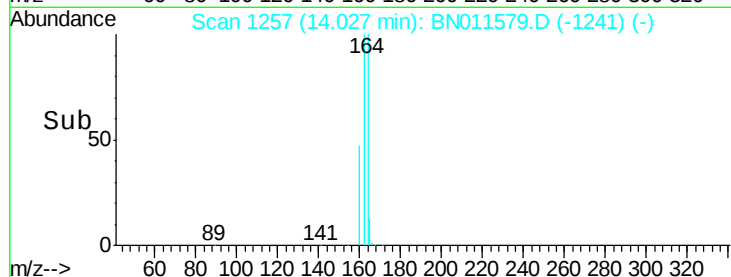
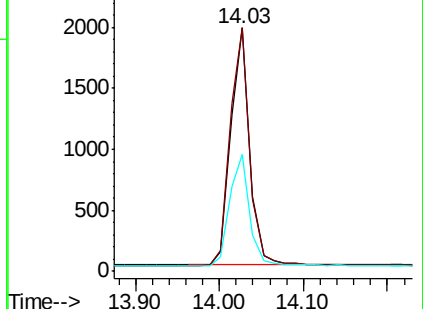
160 48.1 41.1 61.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.353 ng

RT: 15.54 min Scan# 1376

Delta R.T. -0.01 min

Lab File: BN011579.D

Acq: 22 Aug 2020 09:41

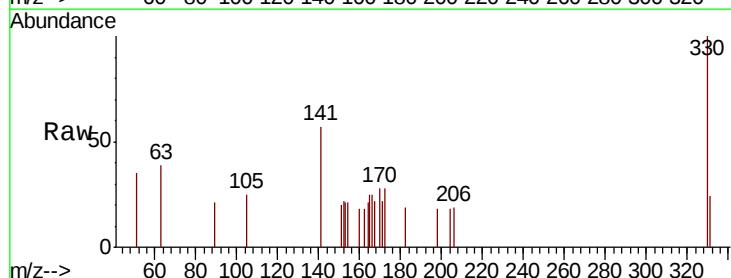
Tgt Ion:330 Resp: 537

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

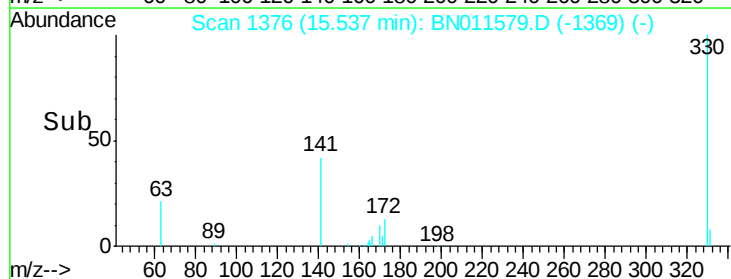
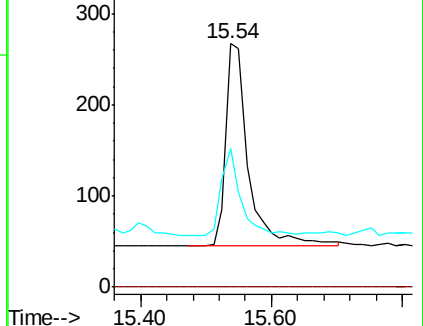
141 36.3 34.6 52.0

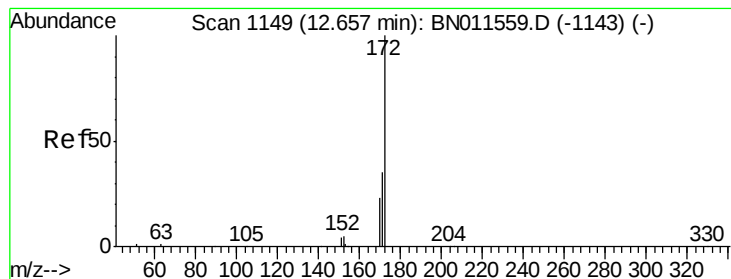


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.613 ng

RT: 12.64 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BN011579.D

Acq: 22 Aug 2020 09:41

Instrument :

BNA_N

ClientSampleId :

CS-3MSD

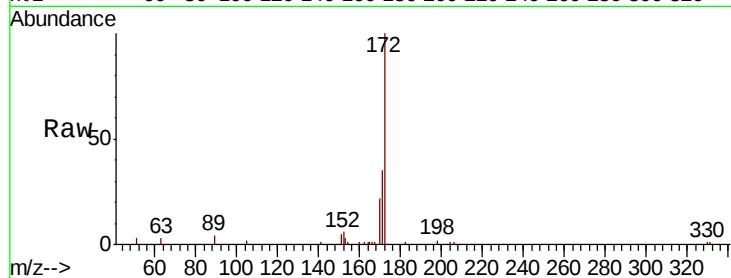
Tot Ion:172 Resp: 7713

Ion Ratio Lower Upper

172 100

171 34.8 29.4 44.0

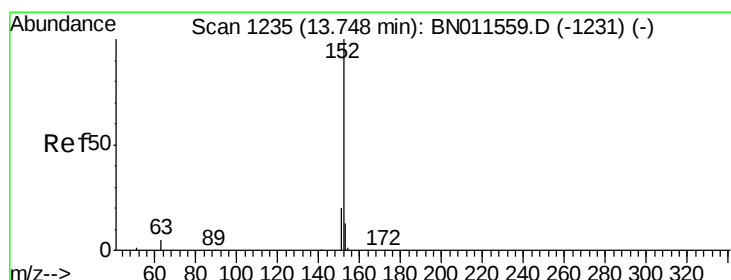
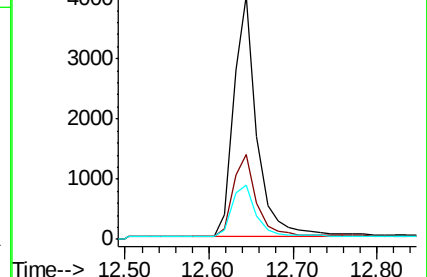
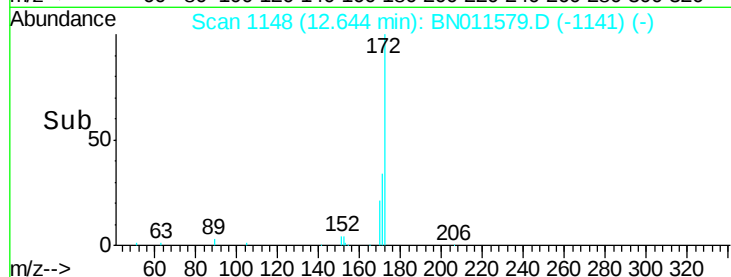
170 22.3 20.1 30.1



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.314 ng

RT: 13.74 min Scan# 1234

Delta R.T. -0.01 min

Lab File: BN011579.D

Acq: 22 Aug 2020 09:41

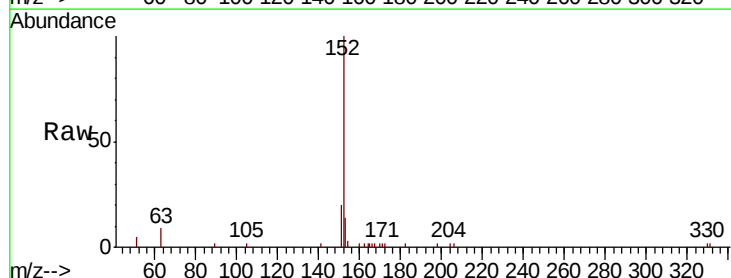
Tgt Ion:152 Resp: 4876

Ion Ratio Lower Upper

152 100

151 19.0 15.8 23.8

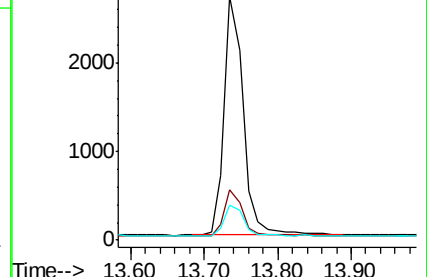
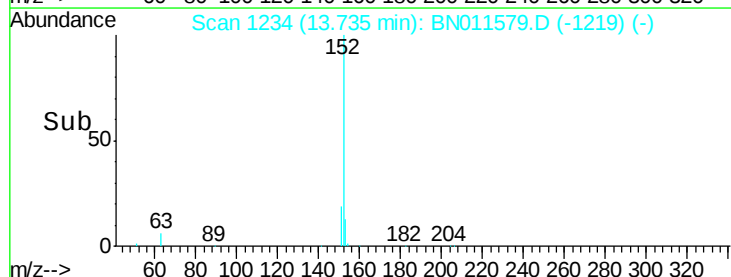
153 12.8 10.6 16.0

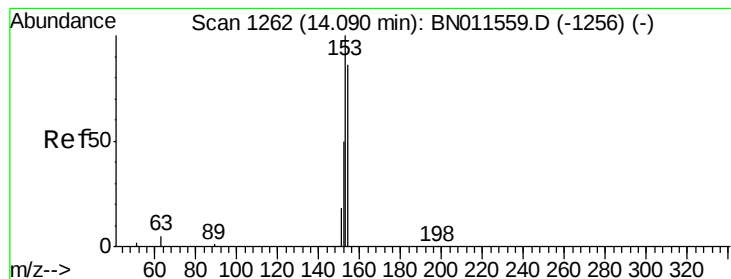


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.304 ng

RT: 14.09 min Scan# 1262

Delta R.T. 0.00 min

Lab File: BN011579.D

Acq: 22 Aug 2020 09:41

Instrument :

BNA_N

ClientSampleId :

CS-3MSD

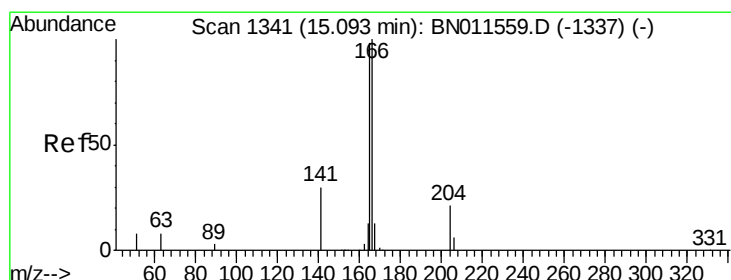
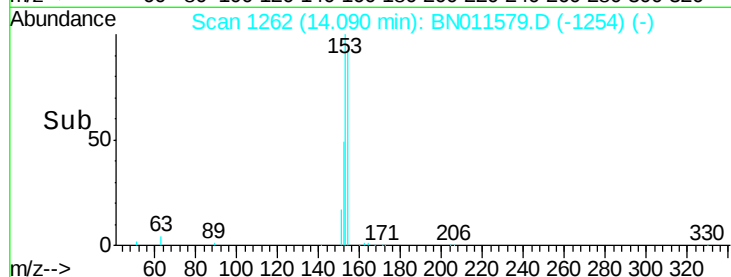
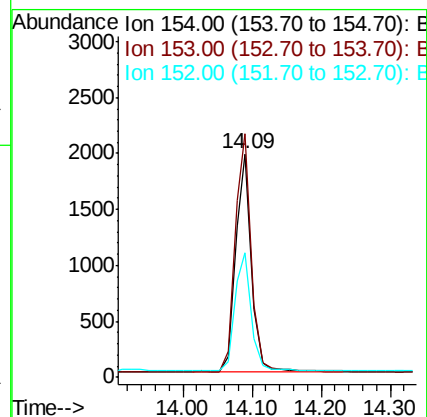
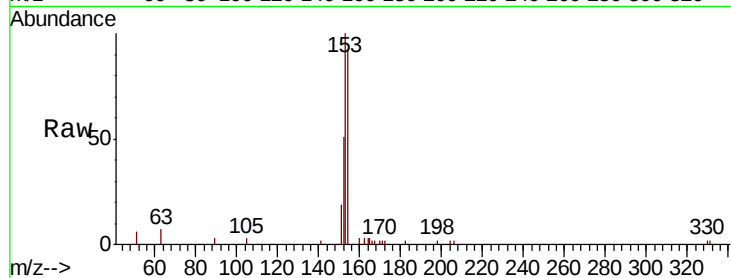
Tot Ion:154 Resp: 3097

Ion Ratio Lower Upper

154 100

153 113.5 91.8 137.8

152 57.9 46.3 69.5



#18

Fluorene

Concen: 0.279 ng

RT: 15.09 min Scan# 1341

Delta R.T. 0.00 min

Lab File: BN011579.D

Acq: 22 Aug 2020 09:41

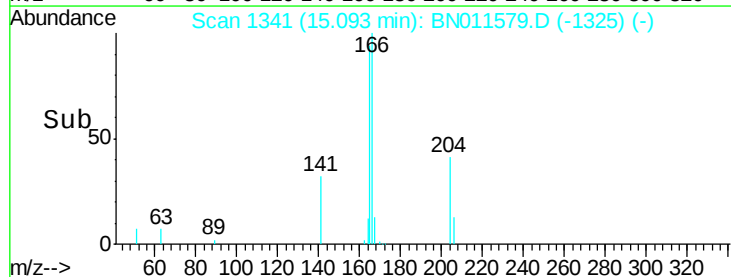
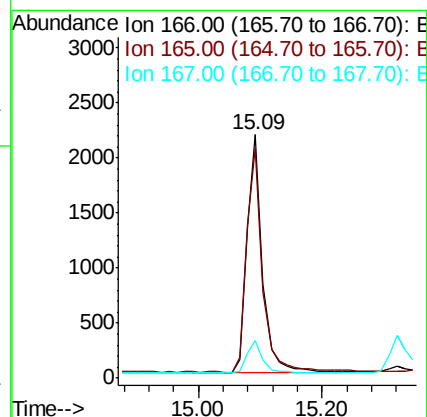
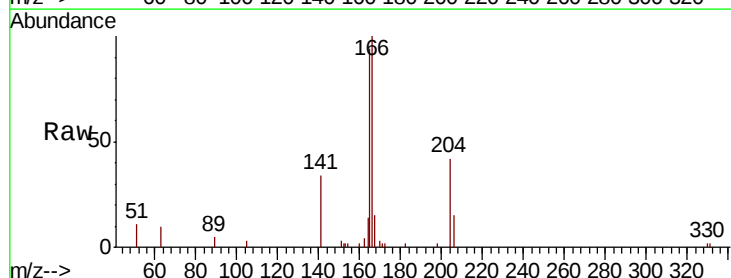
Tgt Ion:166 Resp: 3764

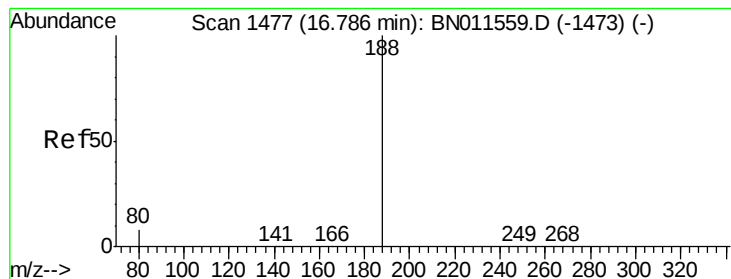
Ion Ratio Lower Upper

166 100

165 97.1 78.2 117.2

167 13.4 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.79 min Scan# 1477

Delta R.T. 0.00 min

Lab File: BN011579.D

Acq: 22 Aug 2020 09:41

Instrument :

BNA_N

ClientSampleId :

CS-3MSD

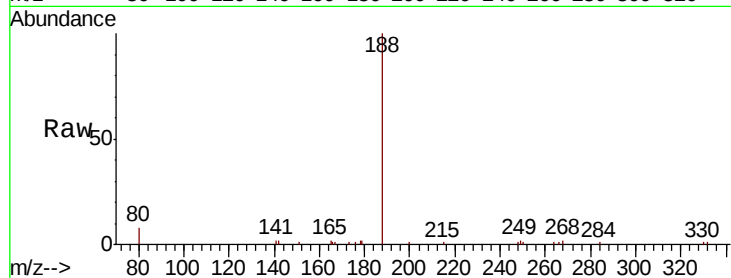
Tot Ion:188 Resp: 6125

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.9 7.6 11.4



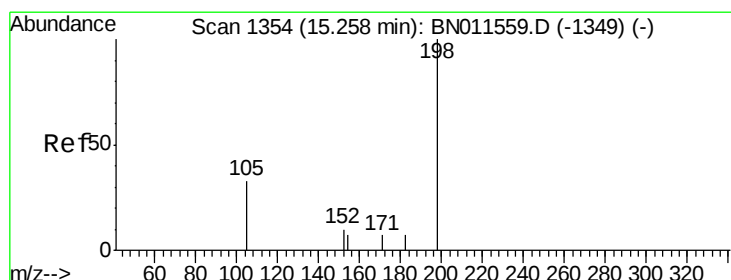
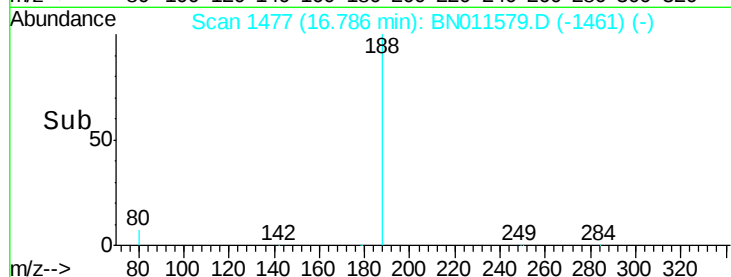
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BN0

Ion 80.00 (79.70 to 80.70): BN0

16.79

Time-->



#20

4,6-Dinitro-2-methylphenol

Concen: 0.318 ng

RT: 15.23 min Scan# 1352

Delta R.T. -0.02 min

Lab File: BN011579.D

Acq: 22 Aug 2020 09:41

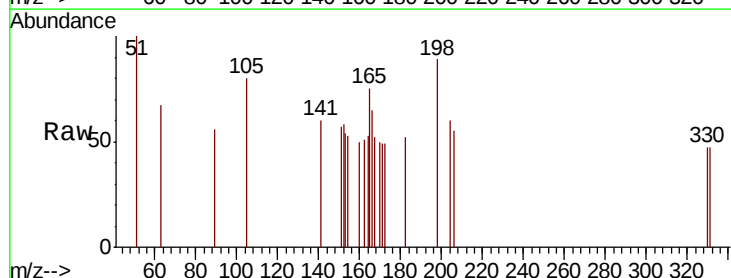
Tgt Ion:198 Resp: 174

Ion Ratio Lower Upper

198 100

51 112.9 89.4 134.2

105 90.6 70.6 105.8



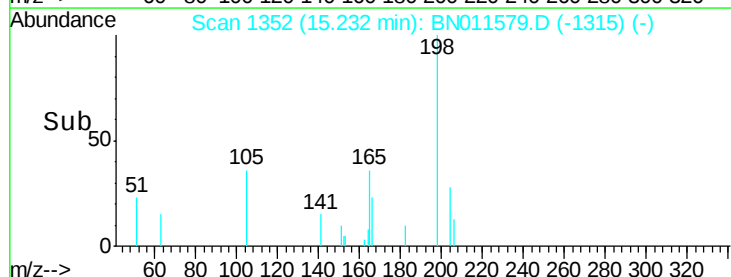
Abundance Ion 198.00 (197.70 to 198.70): E

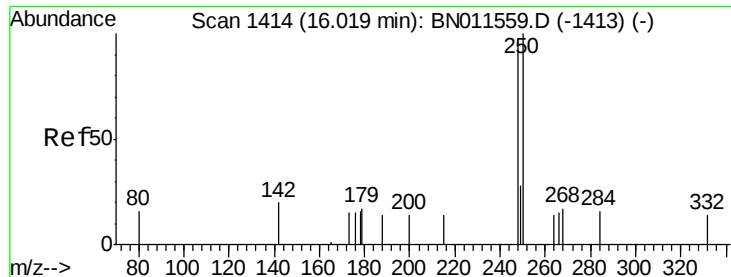
Ion 51.00 (50.70 to 51.70): BN0

Ion 105.00 (104.70 to 105.70): E

15.23

Time-->

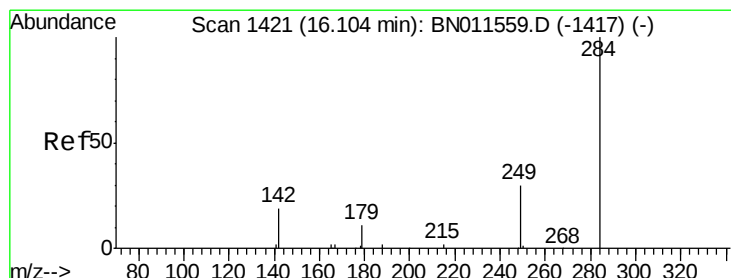
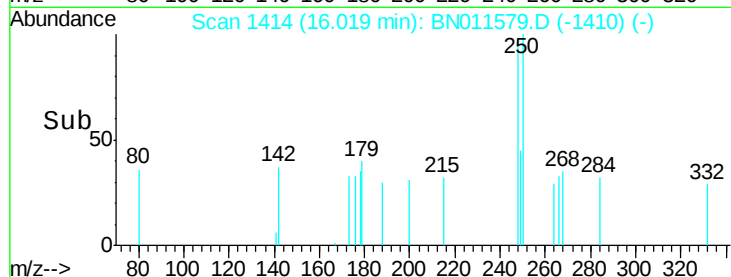
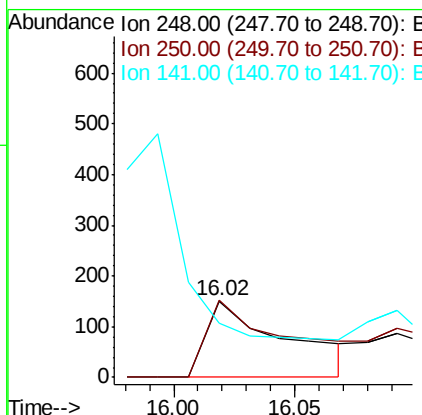
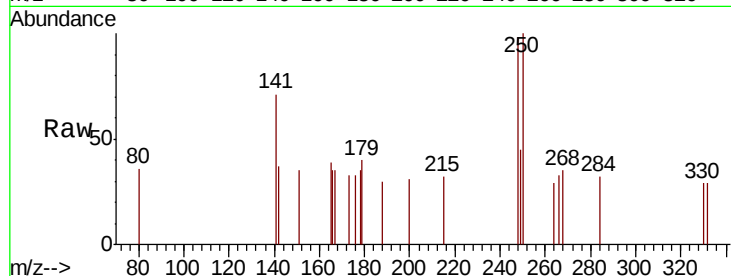




#21
4-Bromophenyl-phenylether
Concen: 0.256 ng
RT: 16.02 min Scan# 1414
Delta R.T. 0.00 min
Lab File: BN011579.D
Acq: 22 Aug 2020 09:41

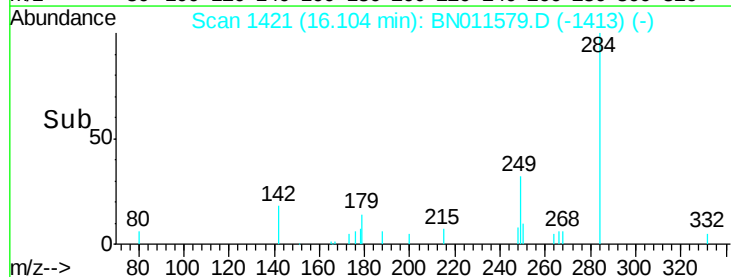
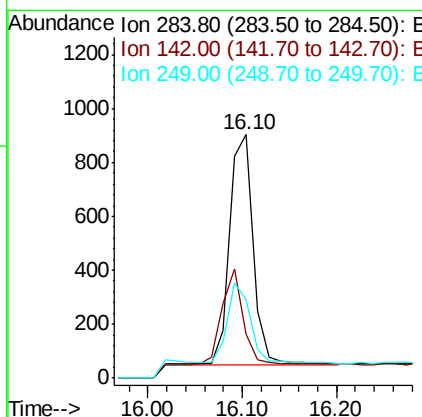
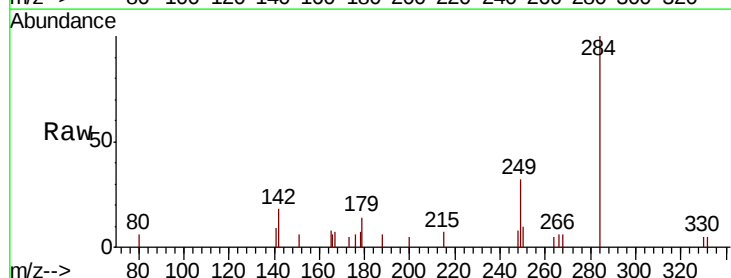
Instrument :
BNA_N
ClientSampleId :
CS-3MSD

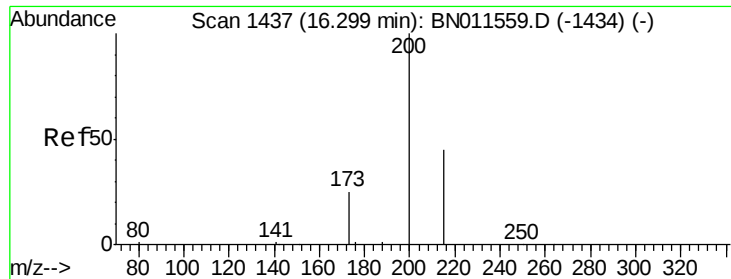
Tot Ion:248 Resp: 342
Ion Ratio Lower Upper
248 100
250 102.0 83.8 125.8
141 72.0 41.0 61.6#



#22
Hexachlorobenzene
Concen: 0.312 ng
RT: 16.10 min Scan# 1421
Delta R.T. 0.00 min
Lab File: BN011579.D
Acq: 22 Aug 2020 09:41

Tgt Ion:284 Resp: 1473
Ion Ratio Lower Upper
284 100
142 36.9 29.7 44.5
249 34.2 26.8 40.2

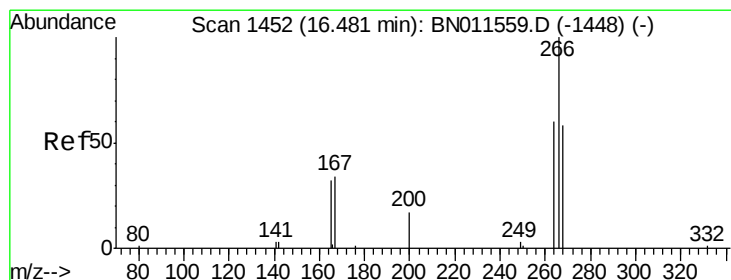
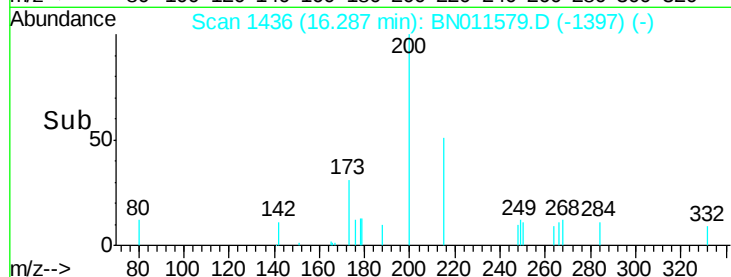
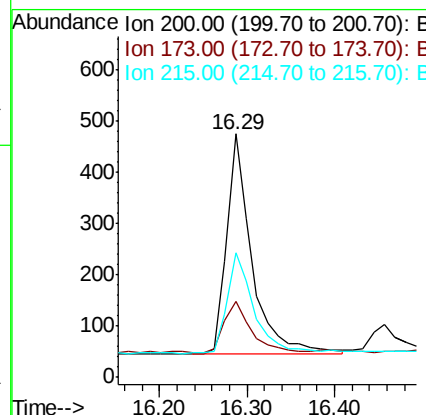
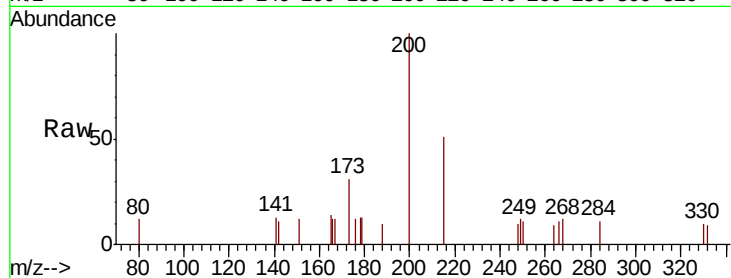




#23
Atrazine
Concen: 0.267 ng
RT: 16.29 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BN011579.D
Acq: 22 Aug 2020 09:41

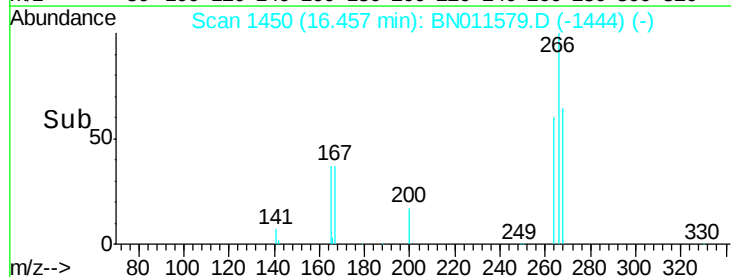
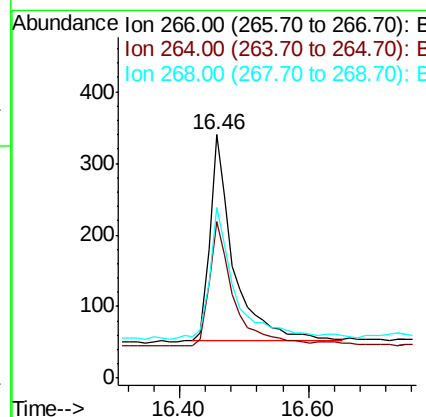
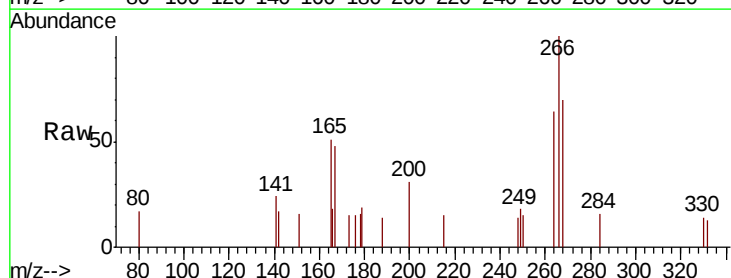
Instrument :
BNA_N
ClientSampleId :
CS-3MSD

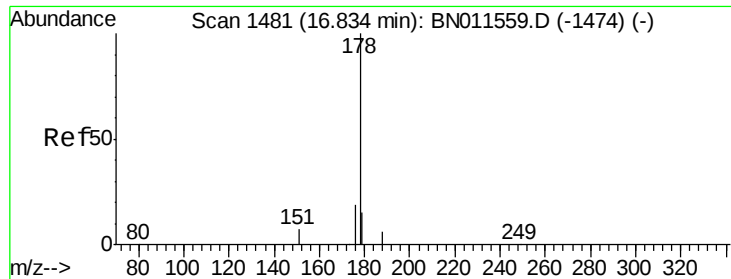
Tot Ion	Ratio	Lower	Upper
200	100		
173	31.4	27.7	41.5
215	51.2	41.5	62.3



#24
Pentachlorophenol
Concen: 0.490 ng
RT: 16.46 min Scan# 1450
Delta R.T. -0.02 min
Lab File: BN011579.D
Acq: 22 Aug 2020 09:41

Tgt Ion	Ratio	Lower	Upper
266	100		
264	61.7	48.7	73.1
268	63.1	51.0	76.6





#25

Phenanthrene

Concen: 0.310 ng

RT: 16.82 min Scan# 1480

Delta R.T. -0.01 min

Lab File: BN011579.D

Acq: 22 Aug 2020 09:41

Instrument :

BNA_N

ClientSampleId :

CS-3MSD

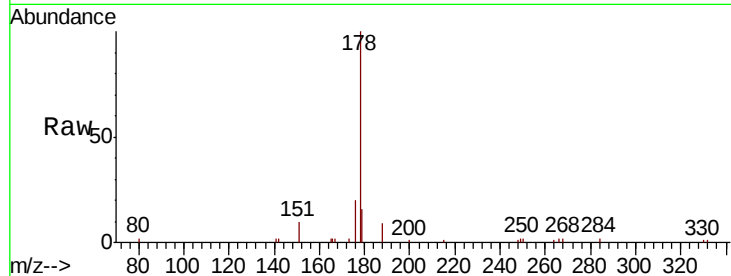
Tot Ion:178 Resp: 5982

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

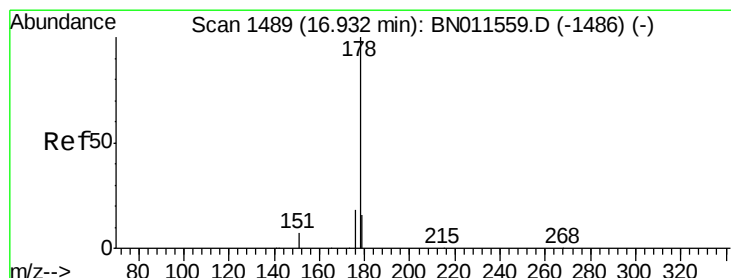
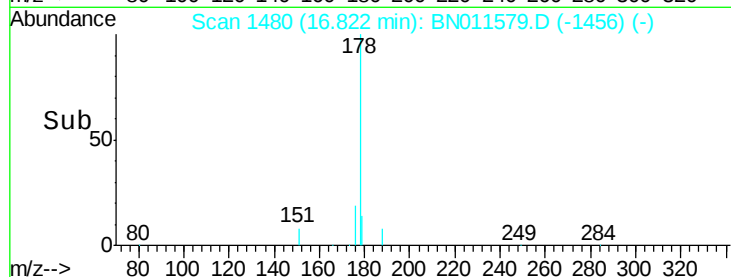
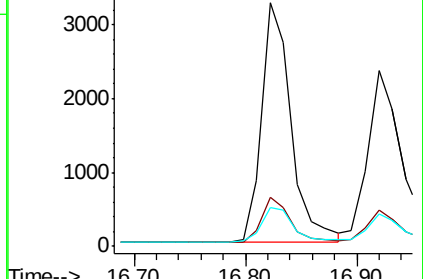
179 15.7 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#26

Anthracene

Concen: 0.309 ng

RT: 16.92 min Scan# 1488

Delta R.T. -0.01 min

Lab File: BN011579.D

Acq: 22 Aug 2020 09:41

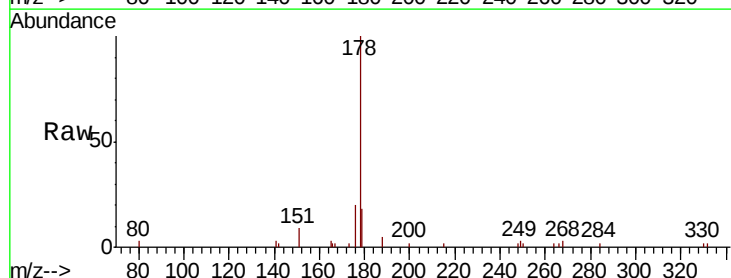
Tgt Ion:178 Resp: 4975

Ion Ratio Lower Upper

178 100

176 18.7 14.4 21.6

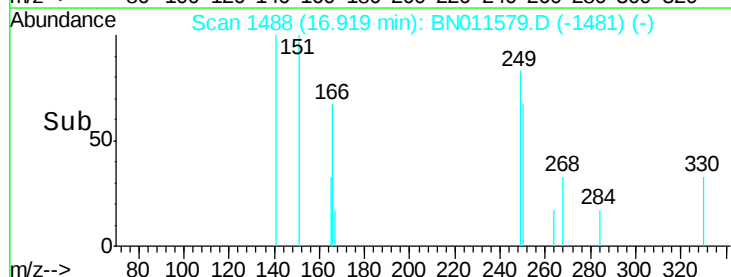
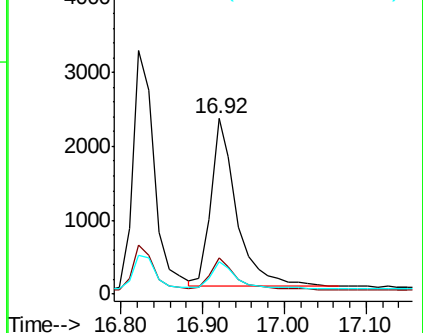
179 17.4 12.9 19.3

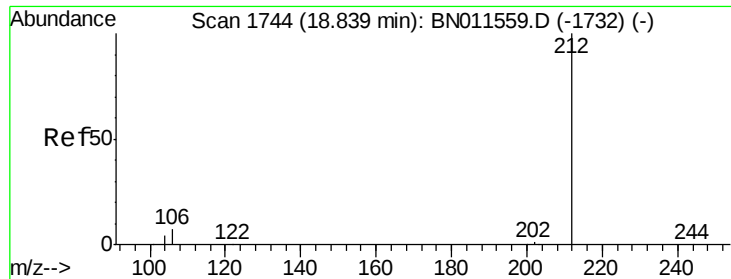


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

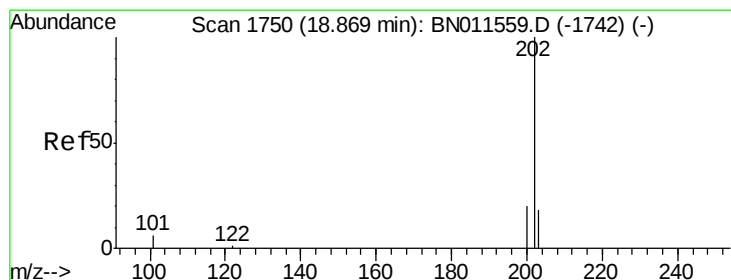
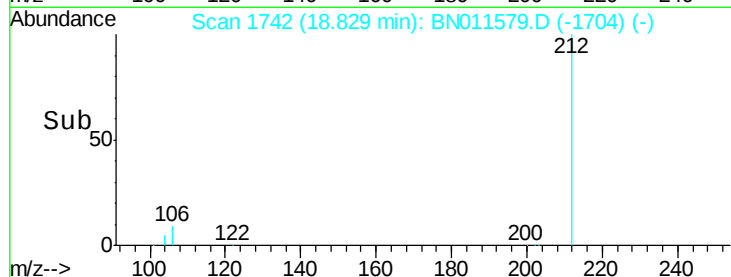
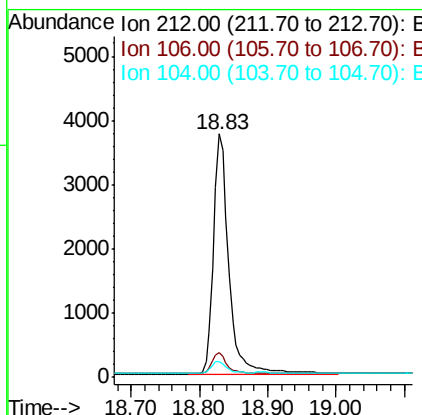
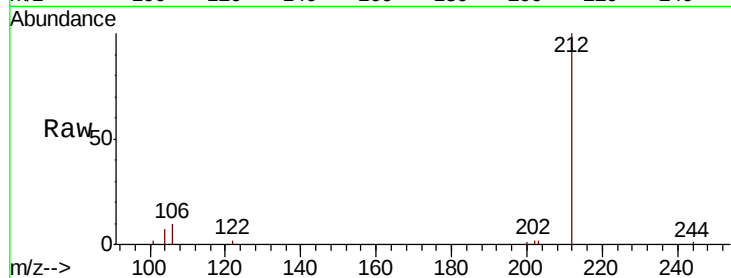




#27
 Fluoranthene-d10
 Concen: 0.287 ng
 RT: 18.83 min Scan# 1742
 Delta R.T. -0.01 min
 Lab File: BN011579.D
 Acq: 22 Aug 2020 09:41

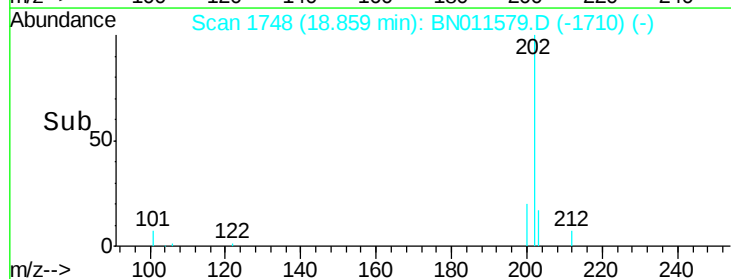
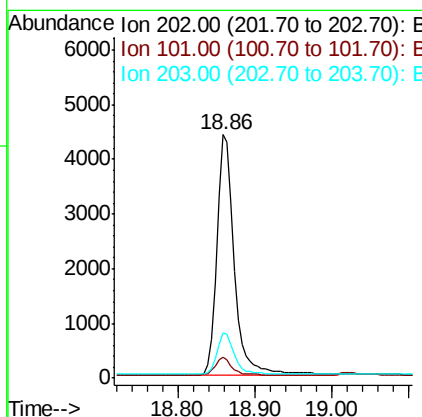
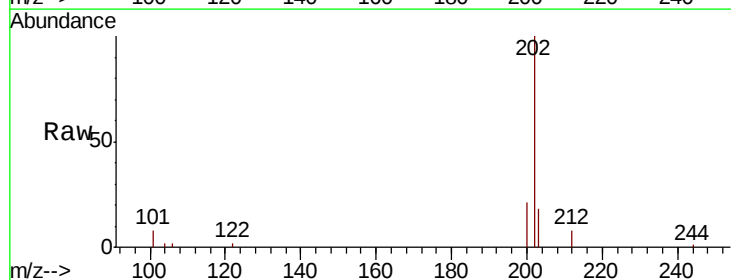
Instrument :
 BNA_N
 ClientSampleId :
 CS-3MSD

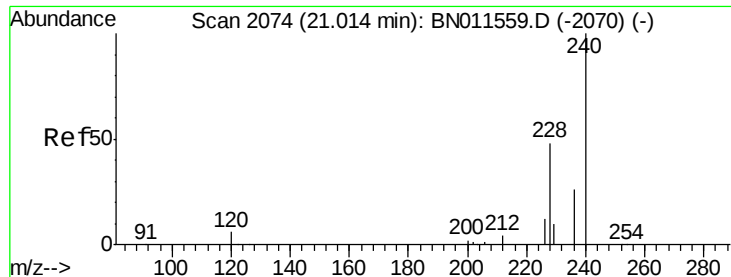
Tot Ion:212 Resp: 5921
 Ion Ratio Lower Upper
 212 100
 106 8.4 6.2 9.2
 104 5.1 3.8 5.6



#28
 Fluoranthene
 Concen: 0.280 ng
 RT: 18.86 min Scan# 1748
 Delta R.T. -0.01 min
 Lab File: BN011579.D
 Acq: 22 Aug 2020 09:41

Tgt Ion:202 Resp: 6935
 Ion Ratio Lower Upper
 202 100
 101 7.3 5.2 7.8
 203 17.3 13.6 20.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.01 min Scan# 2074

Delta R.T. 0.00 min

Lab File: BN011579.D

Acq: 22 Aug 2020 09:41

Instrument :

BNA_N

ClientSampleId :

CS-3MSD

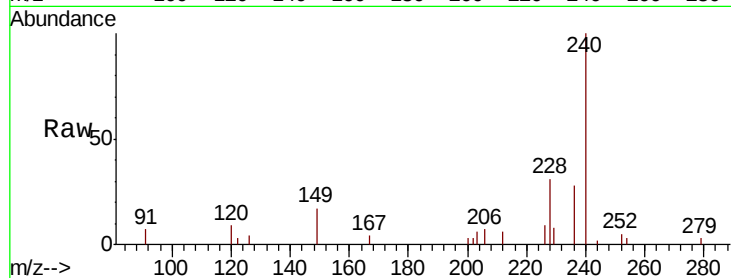
Tot Ion:240 Resp: 5368

Ion Ratio Lower Upper

240 100

120 8.7 7.4 11.0

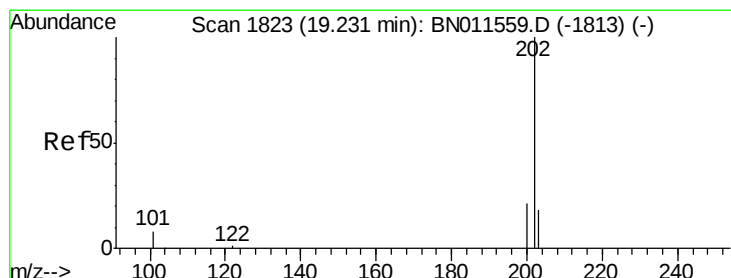
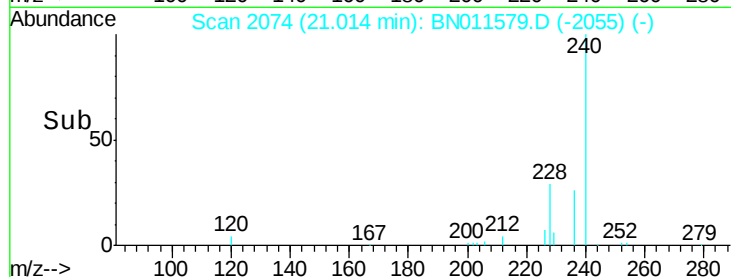
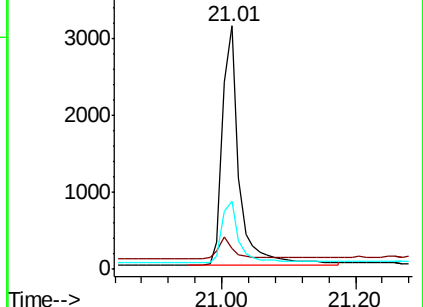
236 28.0 22.3 33.5



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#30

Pyrene

Concen: 0.336 ng

RT: 19.23 min Scan# 1822

Delta R.T. -0.00 min

Lab File: BN011579.D

Acq: 22 Aug 2020 09:41

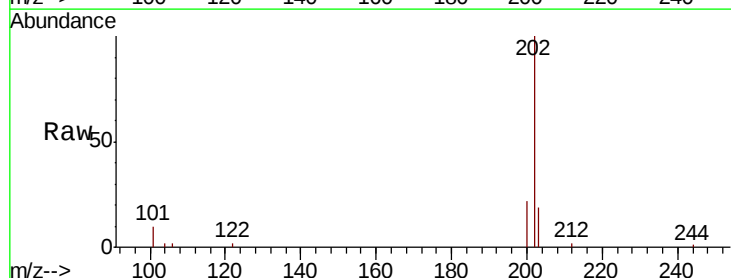
Tgt Ion:202 Resp: 7175

Ion Ratio Lower Upper

202 100

200 20.2 16.6 25.0

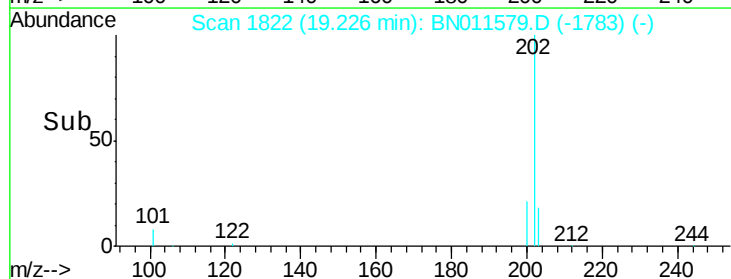
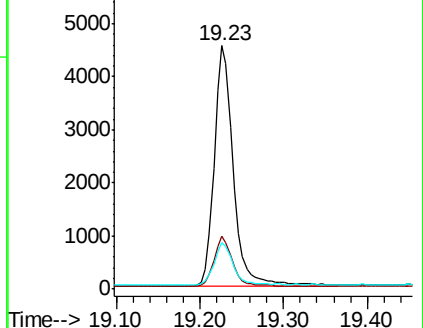
203 18.1 14.2 21.2

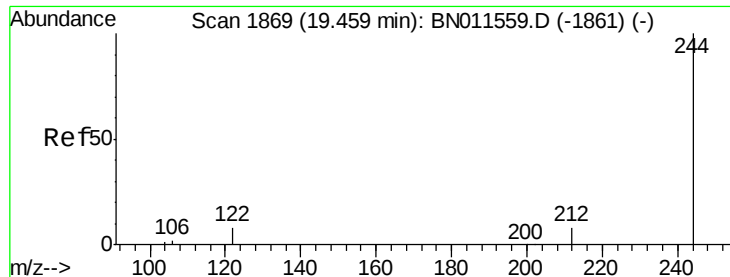


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#31

Terphenyl-d14

Concen: 0.641 ng

RT: 19.45 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BN011579.D

Acq: 22 Aug 2020 09:41

Instrument :

BNA_N

ClientSampleId :

CS-3MSD

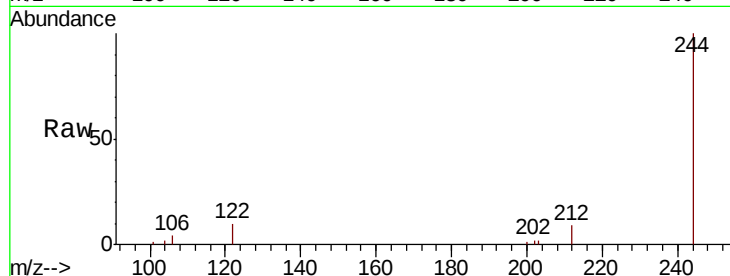
Tot Ion:244 Resp: 8972

Ion Ratio Lower Upper

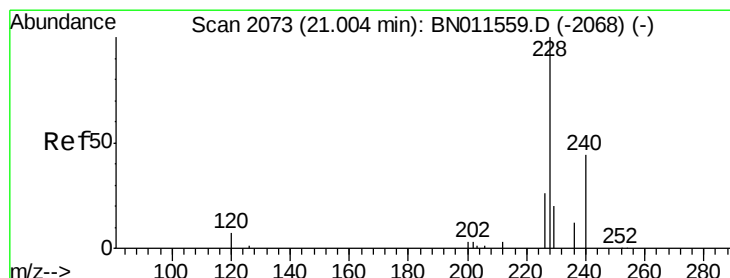
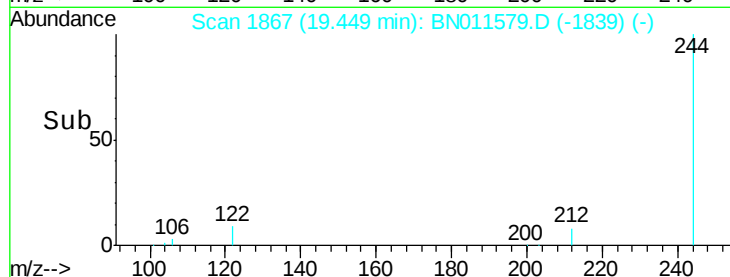
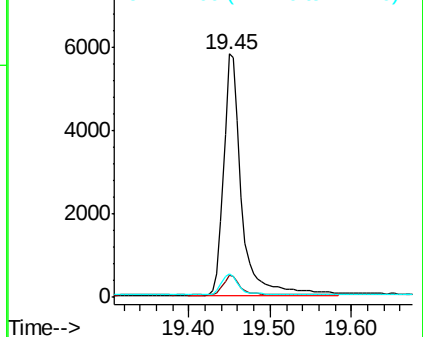
244 100

212 9.0 8.2 12.4

122 9.8 8.0 12.0



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#32

Benzo(a)anthracene

Concen: 0.323 ng

RT: 20.99 min Scan# 2072

Delta R.T. -0.01 min

Lab File: BN011579.D

Acq: 22 Aug 2020 09:41

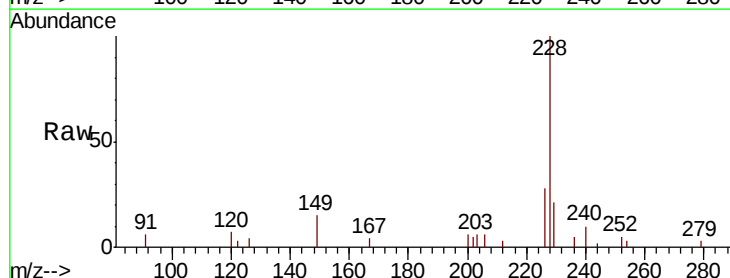
Tgt Ion:228 Resp: 5703

Ion Ratio Lower Upper

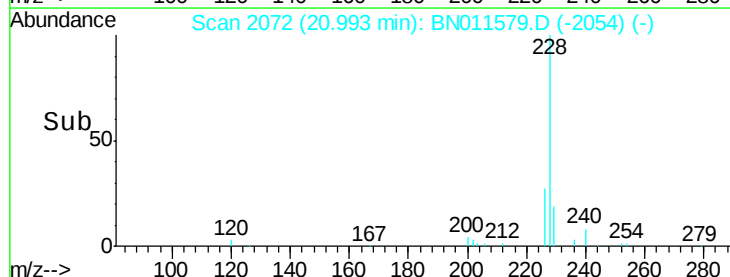
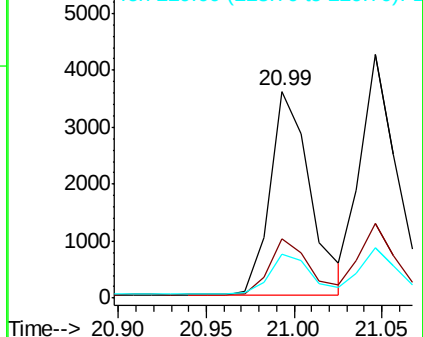
228 100

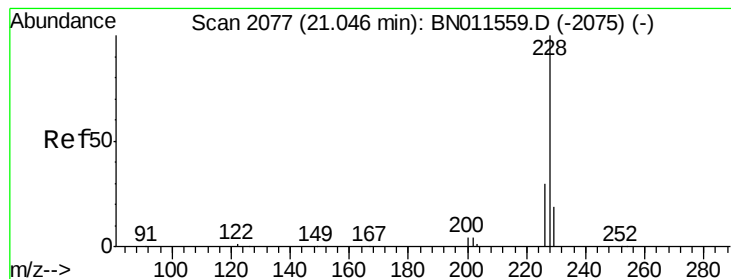
226 28.5 22.2 33.2

229 21.2 16.9 25.3



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#33

Chrysene

Concen: 0.315 ng

RT: 21.05 min Scan# 2077

Delta R.T. 0.00 min

Lab File: BN011579.D

Acq: 22 Aug 2020 09:41

Instrument :

BNA_N

ClientSampleId :

CS-3MSD

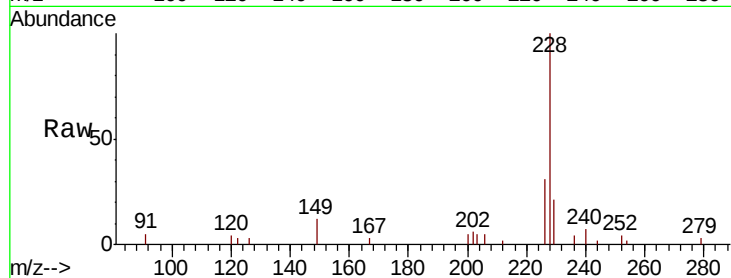
Tot Ion:228 Resp: 6312

Ion Ratio Lower Upper

228 100

226 30.8 24.5 36.7

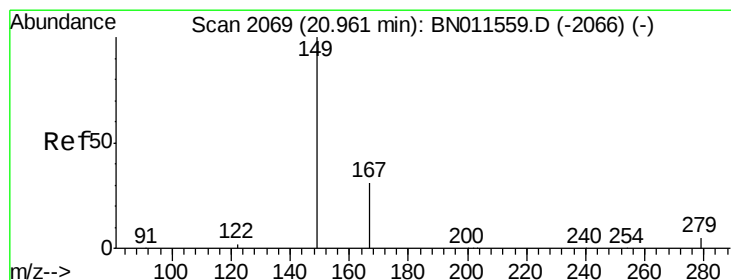
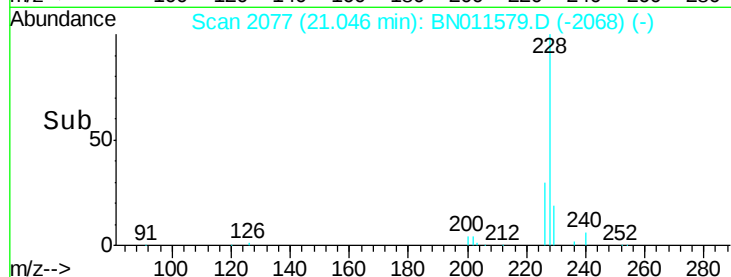
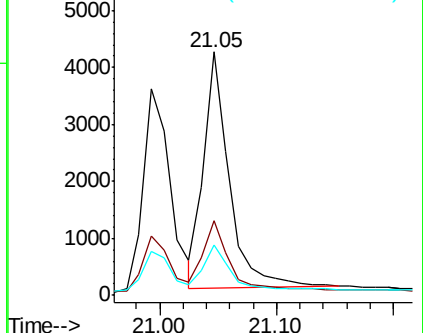
229 20.7 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.428 ng

RT: 20.95 min Scan# 2068

Delta R.T. -0.01 min

Lab File: BN011579.D

Acq: 22 Aug 2020 09:41

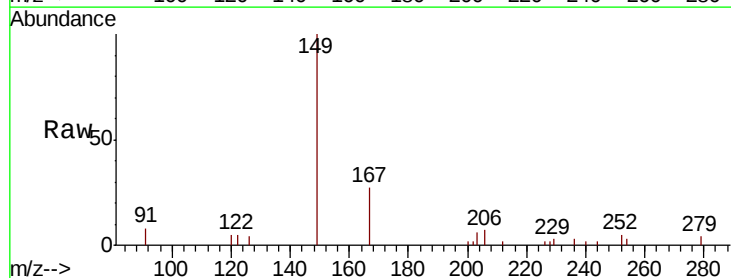
Tgt Ion:149 Resp: 3432

Ion Ratio Lower Upper

149 100

167 29.3 22.8 34.2

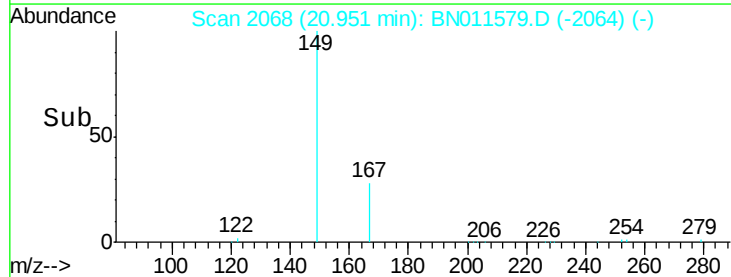
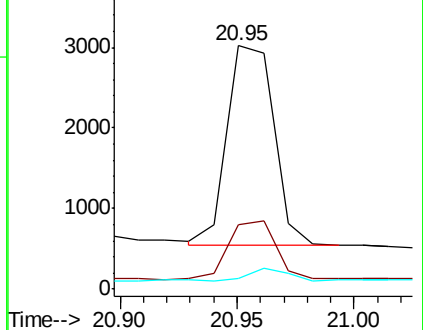
279 4.7 4.2 6.2

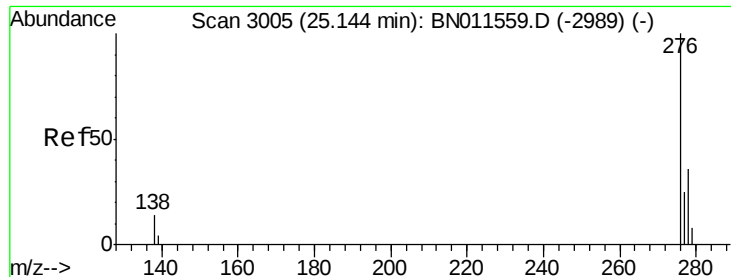


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

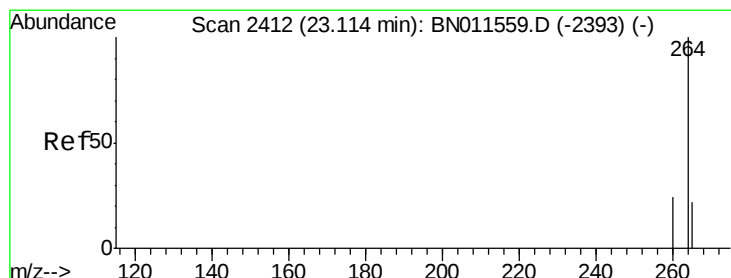
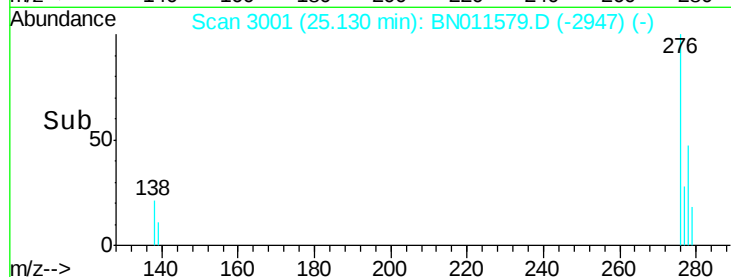
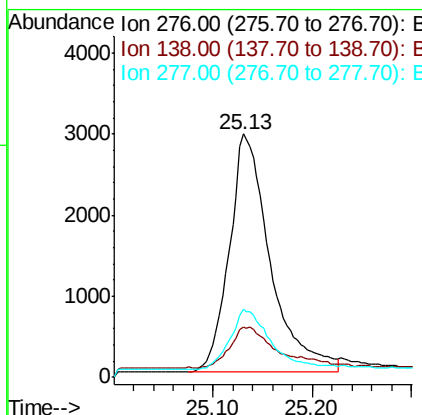
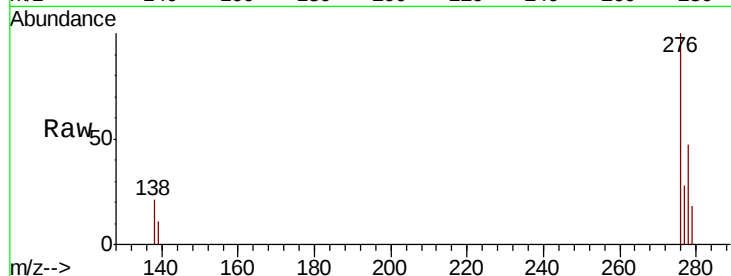




#35
 Indeno(1,2,3-cd)pyrene
 Concen: 0.462 ng
 RT: 25.13 min Scan# 3001
 Delta R.T. -0.01 min
 Lab File: BN011579.D
 Acq: 22 Aug 2020 09:41

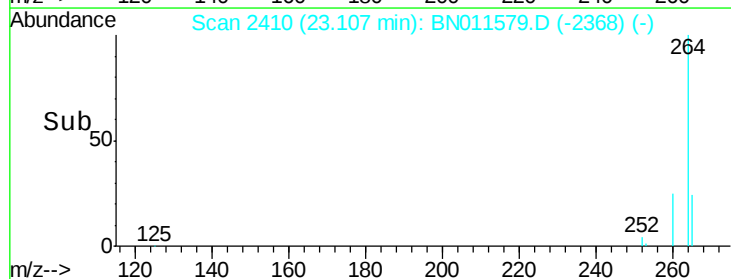
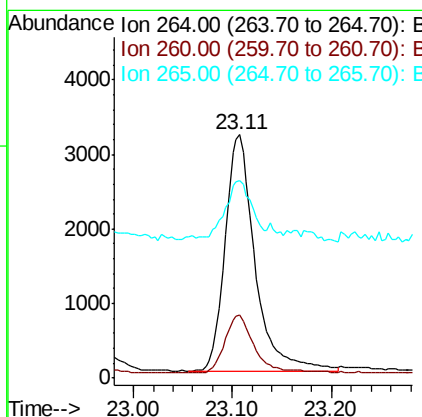
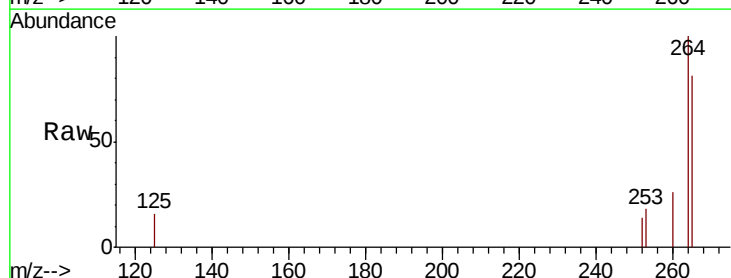
Instrument :
 BNA_N
 ClientSampleId :
 CS-3MSD

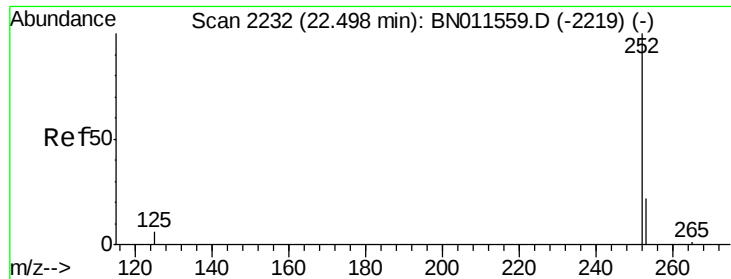
Tot Ion:276 Resp: 8416
 Ion Ratio Lower Upper
 276 100
 138 19.0 11.6 17.4#
 277 24.0 18.2 27.4



#36
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.11 min Scan# 2410
 Delta R.T. -0.01 min
 Lab File: BN011579.D
 Acq: 22 Aug 2020 09:41

Tgt Ion:264 Resp: 6645
 Ion Ratio Lower Upper
 264 100
 260 25.8 20.3 30.5
 265 81.4 96.1 144.1#





#37

Benzo(b)fluoranthene

Concen: 0.316 ng

RT: 22.49 min Scan# 2230

Delta R.T. -0.01 min

Lab File: BN011579.D

Acq: 22 Aug 2020 09:41

Instrument :

BNA_N

ClientSampleId :

CS-3MSD

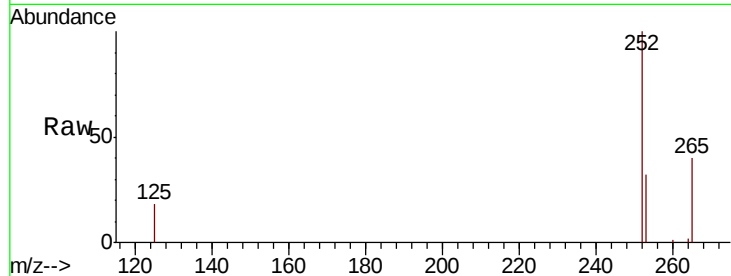
Tot Ion:252 Resp: 7756

Ion Ratio Lower Upper

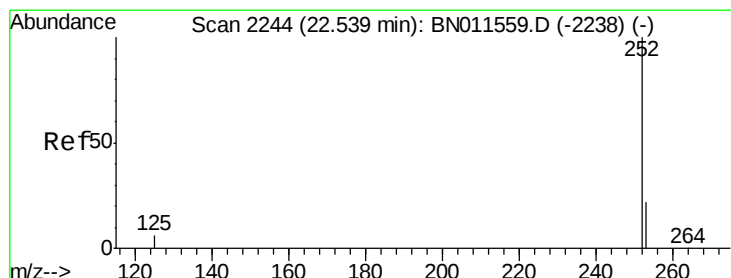
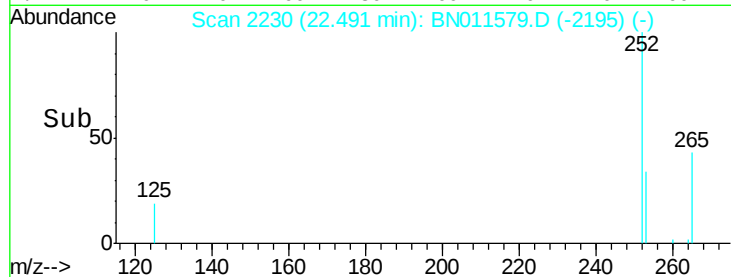
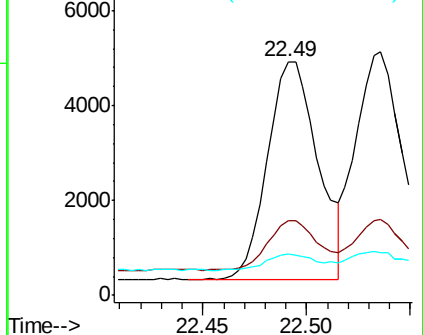
252 100

253 31.8 25.5 38.3

125 17.5 10.2 15.4#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#38

Benzo(k)fluoranthene

Concen: 0.305 ng

RT: 22.54 min Scan# 2243

Delta R.T. -0.00 min

Lab File: BN011579.D

Acq: 22 Aug 2020 09:41

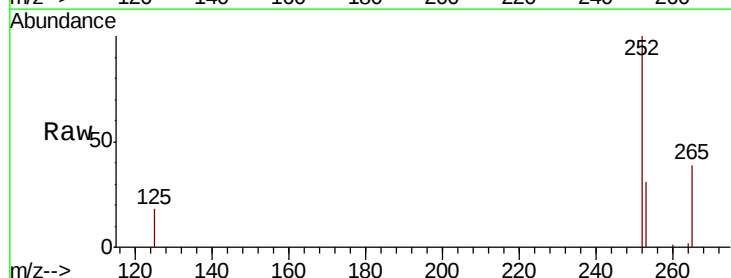
Tgt Ion:252 Resp: 8919

Ion Ratio Lower Upper

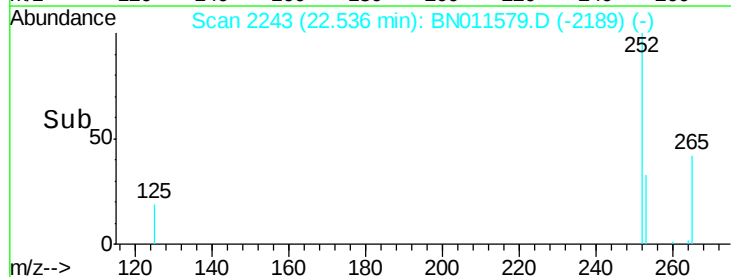
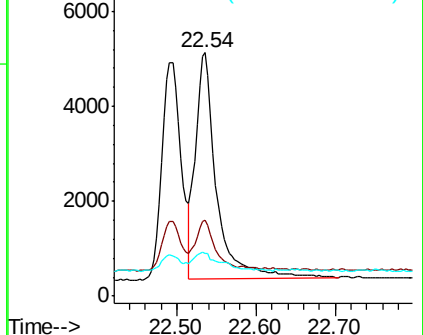
252 100

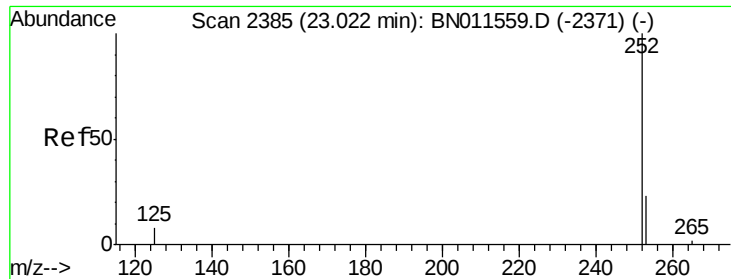
253 31.2 25.8 38.6

125 17.8 10.8 16.2#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#39

Benzo(a)pyrene

Concen: 0.288 ng

RT: 23.02 min Scan# 2384

Delta R.T. -0.00 min

Lab File: BN011579.D

Acq: 22 Aug 2020 09:41

Instrument :

BNA_N

ClientSampleId :

CS-3MSD

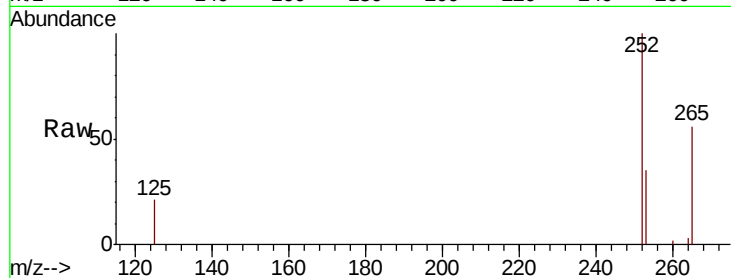
Tot Ion:252 Resp: 6546

Ion Ratio Lower Upper

252 100

253 34.6 31.8 47.8

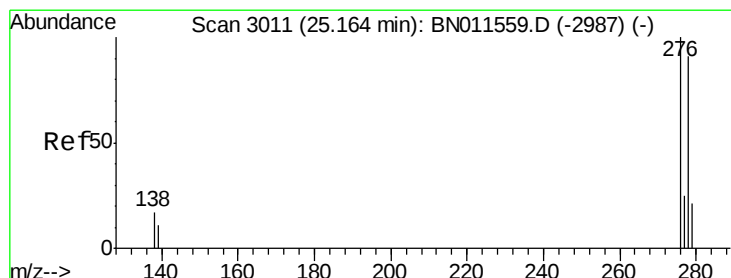
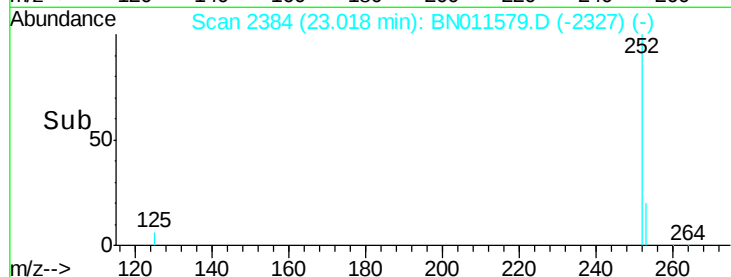
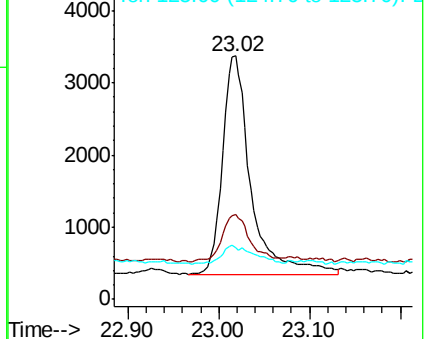
125 21.3 15.4 23.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#40

Dibenzo(a,h)anthracene

Concen: 0.384 ng

RT: 25.15 min Scan# 3006

Delta R.T. -0.02 min

Lab File: BN011579.D

Acq: 22 Aug 2020 09:41

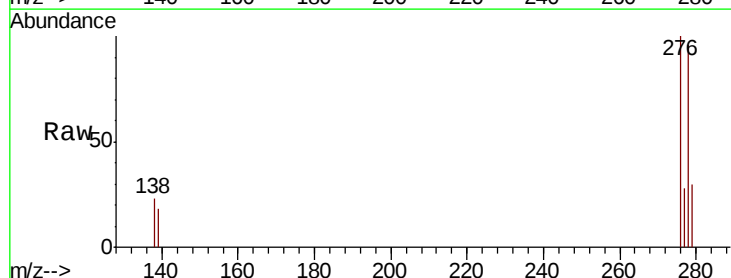
Tgt Ion:278 Resp: 7295

Ion Ratio Lower Upper

278 100

139 18.9 14.0 21.0

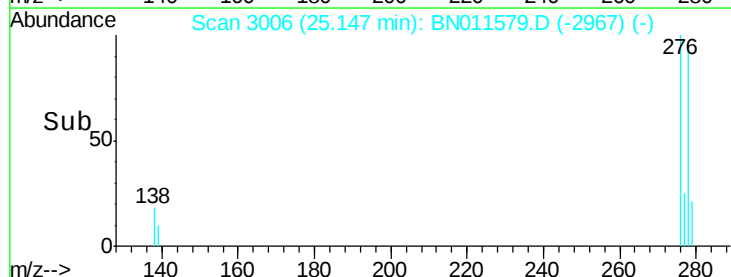
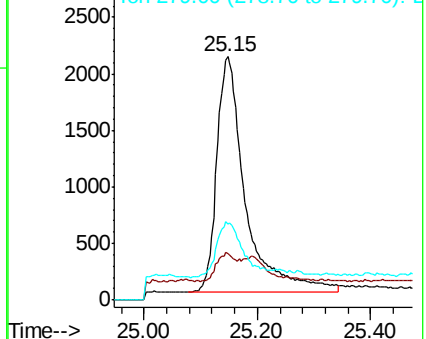
279 31.4 32.4 48.6#

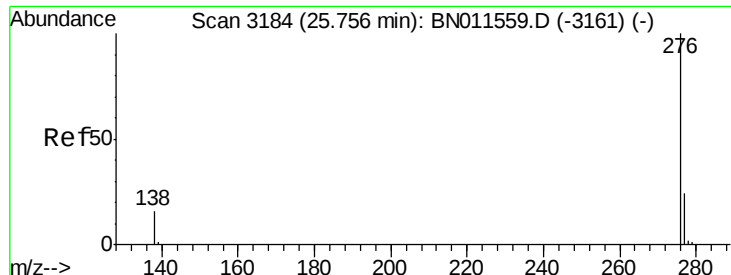


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#41

Benzo(a,h,i)perylene

Concen: 0.354 ng

RT: 25.75 min Scan# 3182

Delta R.T. -0.01 min

Lab File: BN011579.D

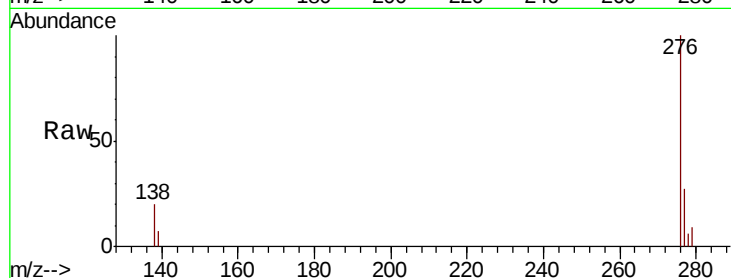
Acq: 22 Aug 2020 09:41

Instrument :

BNA_N

ClientSampleId :

CS-3MSD



Tot Ion: 276 Resp: 8031

Ion Ratio Lower Upper

276 100

277 26.9 22.1 33.1

138 20.2 15.4 23.2

