

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN041420\
 Data File : BN010479.D
 Acq On : 14 Apr 2020 15:30
 Operator : CG/JU
 Sample : L1798-05DL 25X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WPDL

Quant Time: Apr 14 16:02:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 13 18:04:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	4249	0.40	ng	0.00
7) Naphthalene-d8	10.37	136	16907	0.40	ng	0.00
13) Acenaphthene-d10	14.22	164	10892	0.40	ng	0.00
19) Phenanthrene-d10	16.97	188	24608	0.40	ng	0.00
27) Chrysene-d12	21.17	240	24792	0.40	ng	-0.01
34) Perylene-d12	23.35	264	21396	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	50845	5.46	ng	0.00
5) Phenol-d6	6.79	99	68785	5.66	ng	0.00
8) Nitrobenzene-d5	8.73	82	44449	3.76	ng	-0.01
11) 2-Methylnaphthalene-d10	0.00	152	0d	0.00	ng	
14) 2,4,6-Tribromophenol	15.73	330	30370	5.92	ng	0.00
15) 2-Fluorobiphenyl	12.84	172	147567	3.72	ng	0.00
25) Fluoranthene-d10	0.00	212	0d	0.00	ng	
29) Terphenyl-d14	19.62	244	238572	4.20	ng	0.00

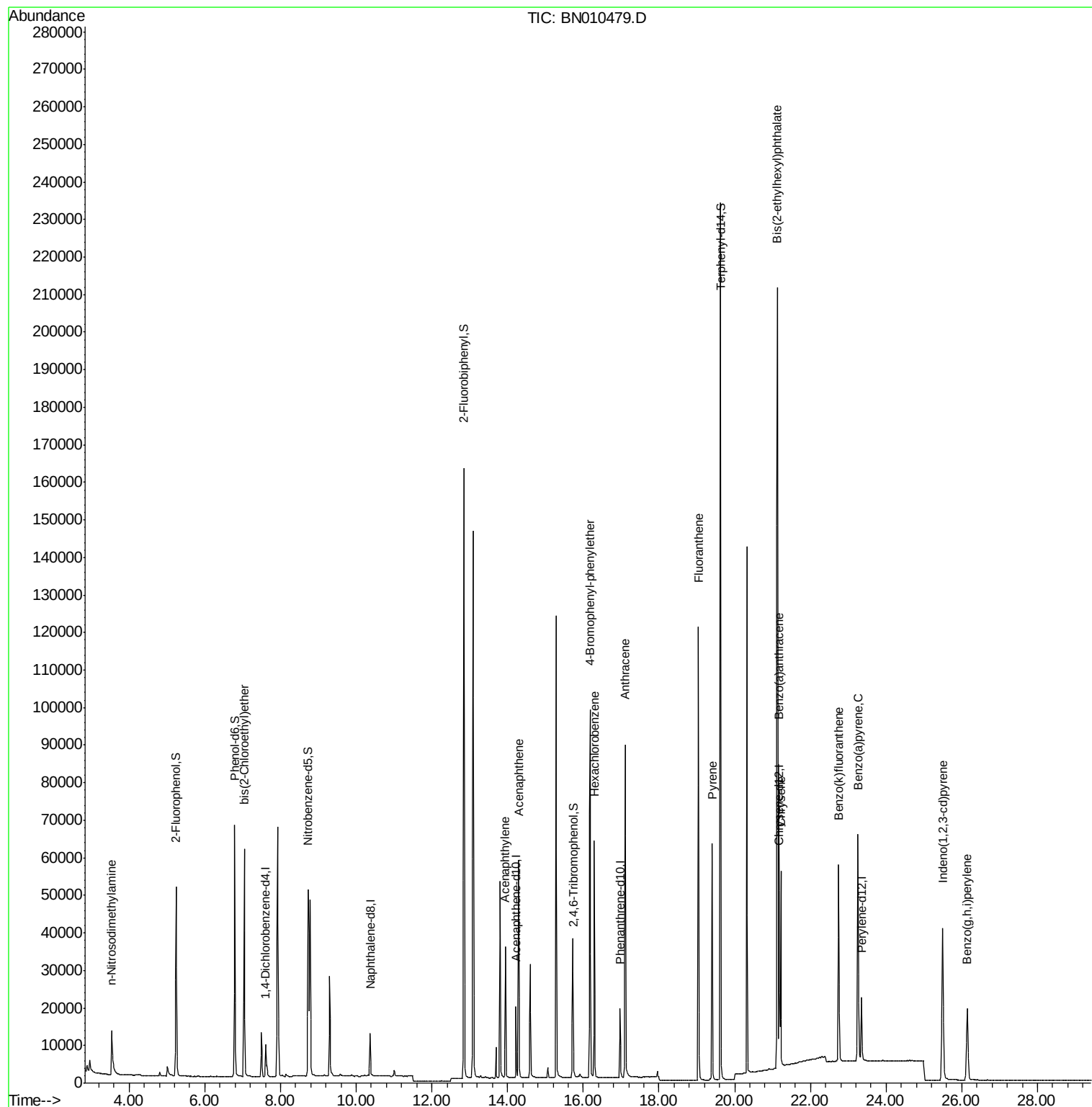
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.54	42	8389	4.137	ng	# 94
6) bis(2-Chloroethyl)ether	7.04	93	48923	4.642	ng	98
16) Acenaphthylene	13.95	152	42618	0.906	ng	99
17) Acenaphthene	14.29	154	30095	0.995	ng	100
20) 4-Bromophenyl-phenylether	16.18	248	48560	3.552	ng	97
21) Hexachlorobenzene	16.29	284	49031	3.142	ng	98
24) Anthracene	17.10	178	97202	1.600	ng	100
26) Fluoranthene	19.04	202	109507	1.324	ng	100
28) Pyrene	19.41	202	58553	0.702	ng	100
30) Benzo(a)anthracene	21.16	228	63585	0.786	ng	99
31) Chrysene	21.22	228	48066	0.597	ng	98
32) Bis(2-ethylhexyl)phthalate	21.12	149	185676	4.474	ng	99
33) Indeno(1,2,3-cd)pyrene	25.49	276	77248	1.084	ng	# 95
36) Benzo(k)fluoranthene	22.75	252	65577	0.929	ng	# 95
37) Benzo(a)pyrene	23.26	252	87242	1.399	ng	# 92
39) Benzo(g,h,i)perylene	26.14	276	38888	0.678	ng	98

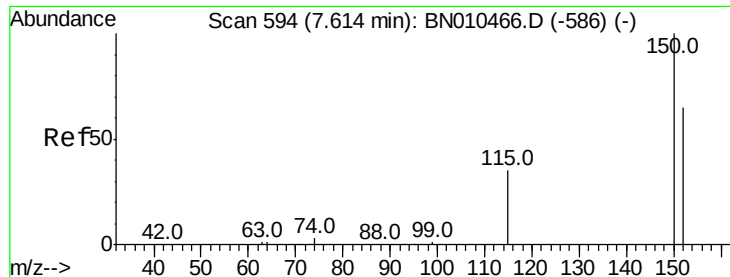
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.61 min Scan# 593

Delta R.T. -0.01 min

Lab File: BN010479.D

Acq: 14 Apr 2020 15:30

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL

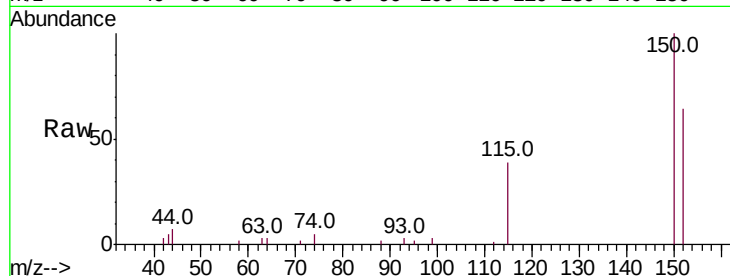
Tot Ion:152 Resp: 4249

Ion Ratio Lower Upper

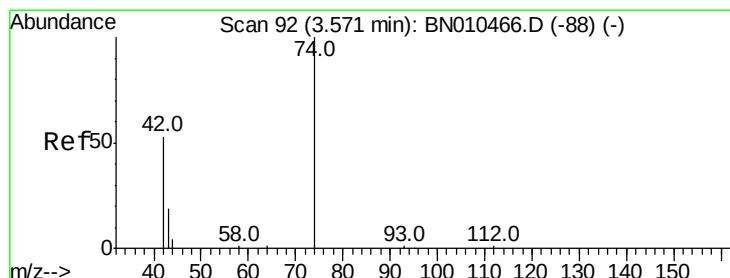
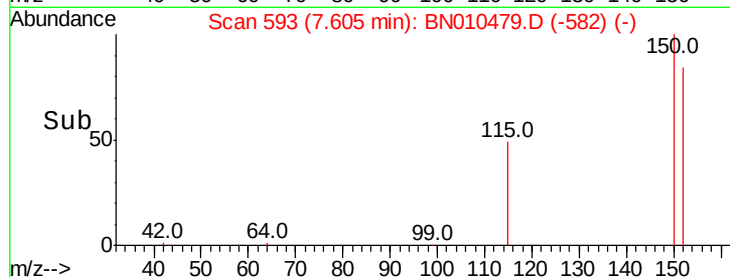
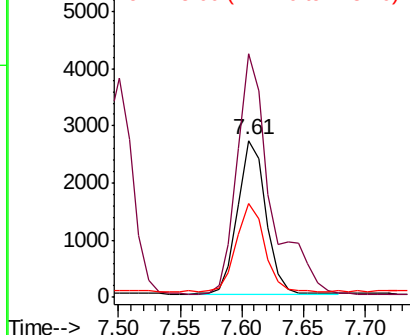
152 100

150 155.5 121.8 182.6

115 60.3 45.5 68.3



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



#3

n-Nitrosodimethylamine

Concen: 4.137 ng

RT: 3.54 min Scan# 88

Delta R.T. -0.03 min

Lab File: BN010479.D

Acq: 14 Apr 2020 15:30

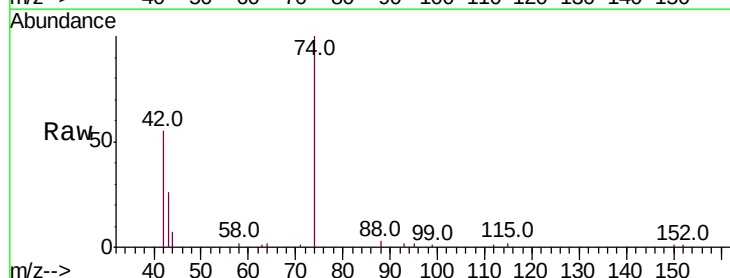
Tgt Ion: 42 Resp: 8389

Ion Ratio Lower Upper

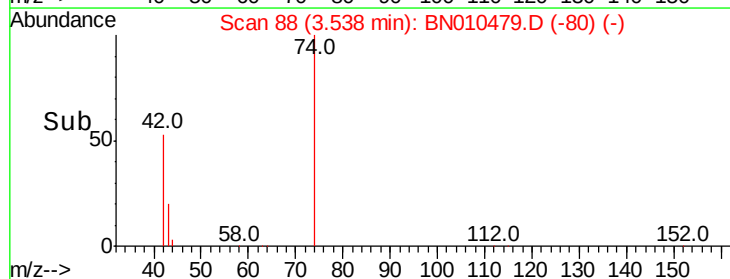
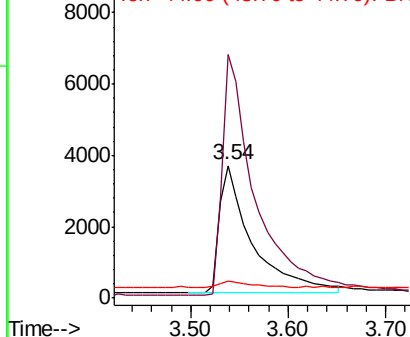
42 100

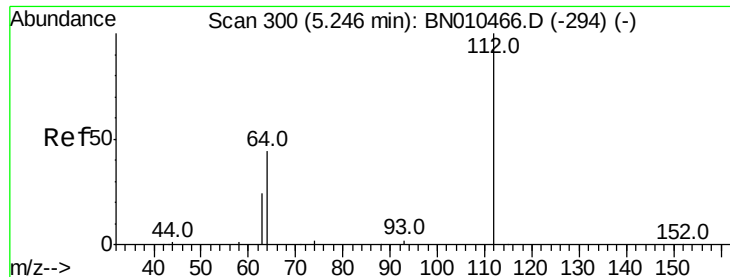
74 193.3 162.2 243.4

44 4.4 2.4 3.6#



Abundance Ion 42.00 (41.70 to 42.70): BNC
Ion 74.00 (73.70 to 74.70): BNC
Ion 44.00 (43.70 to 44.70): BNC





#4

2-Fluorophenol

Concen: 5.464 ng

RT: 5.25 min Scan# 300

Delta R.T. -0.00 min

Lab File: BN010479.D

Acq: 14 Apr 2020 15:30

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL

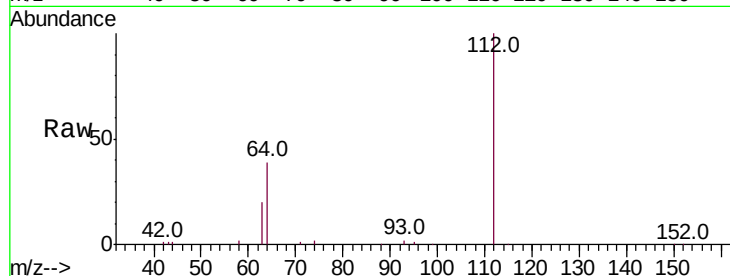
Tot Ion:112 Resp: 50845

Ion Ratio Lower Upper

112 100

64 44.9 35.8 53.8

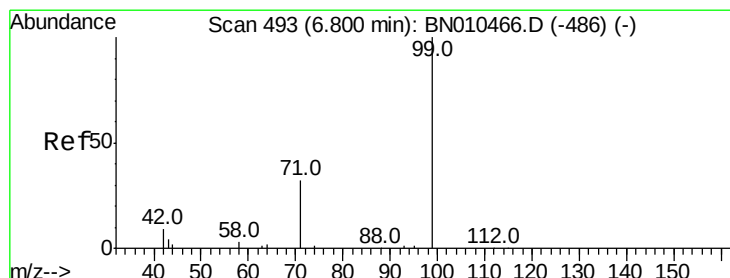
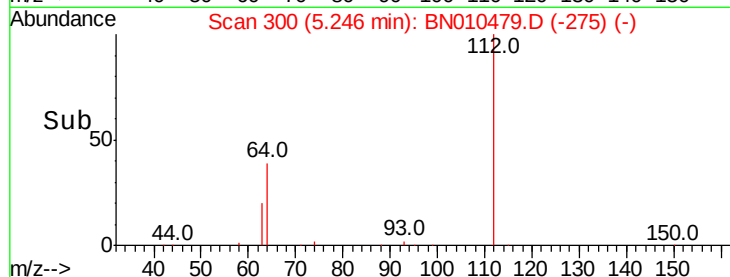
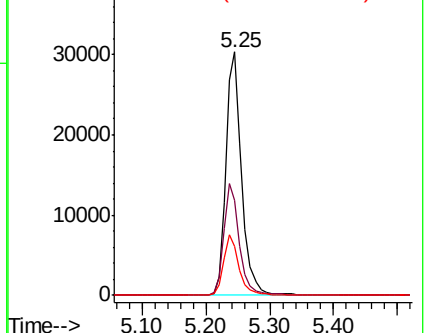
63 24.0 19.9 29.9



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#5

Phenol-d6

Concen: 5.657 ng

RT: 6.79 min Scan# 492

Delta R.T. -0.01 min

Lab File: BN010479.D

Acq: 14 Apr 2020 15:30

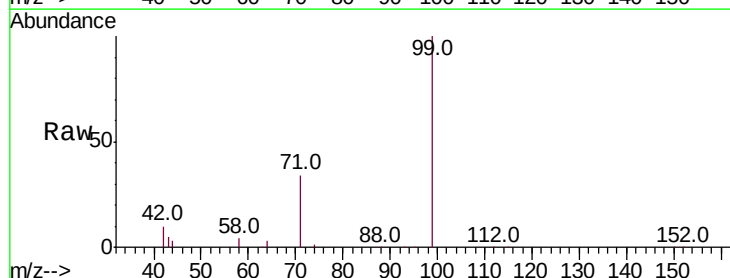
Tgt Ion: 99 Resp: 68785

Ion Ratio Lower Upper

99 100

42 11.4 9.8 14.6

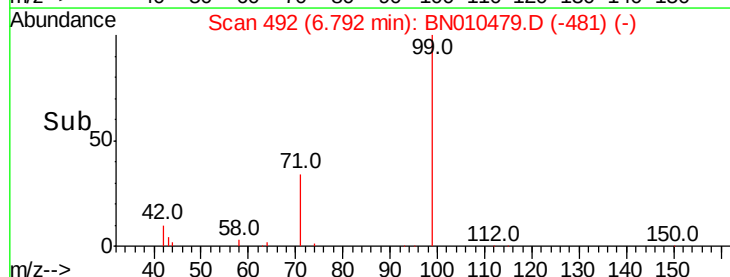
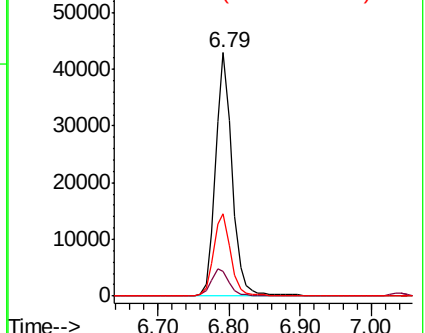
71 34.7 27.8 41.8

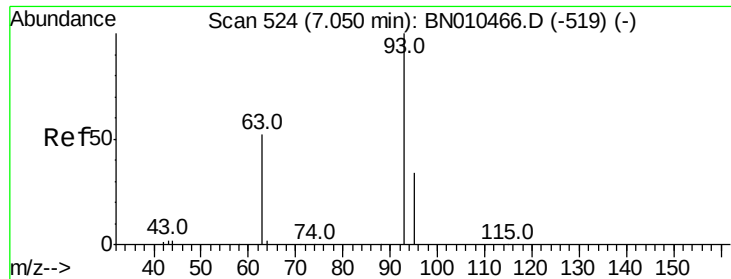


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#6

bis(2-Chloroethyl)ether

Concen: 4.642 ng

RT: 7.04 min Scan# 523

Delta R.T. -0.01 min

Lab File: BN010479.D

Acq: 14 Apr 2020 15:30

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL

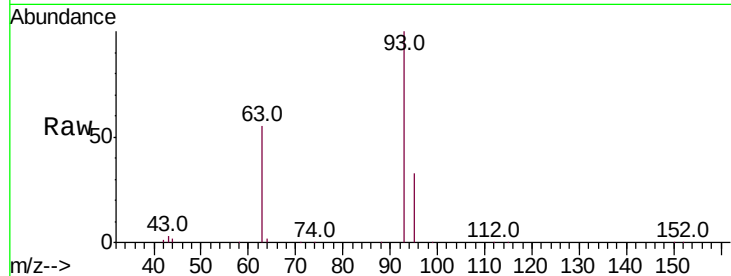
Tot Ion: 93 Resp: 48923

Ion Ratio Lower Upper

93 100

63 57.3 44.6 66.8

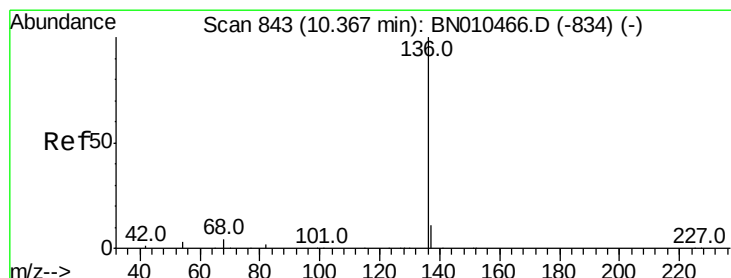
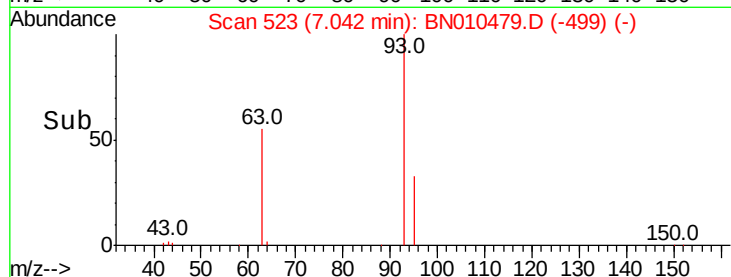
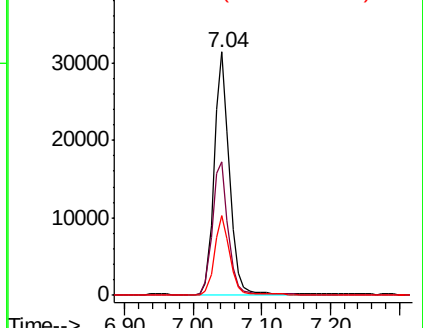
95 32.7 26.5 39.7



Abundance Ion 93.00 (92.70 to 93.70): BN010466.D (-519) (-)

Ion 63.00 (62.70 to 63.70): BN010466.D (-519) (-)

Ion 95.00 (94.70 to 95.70): BN010466.D (-519) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.37 min Scan# 843

Delta R.T. -0.00 min

Lab File: BN010479.D

Acq: 14 Apr 2020 15:30

Tgt Ion: 136 Resp: 16907

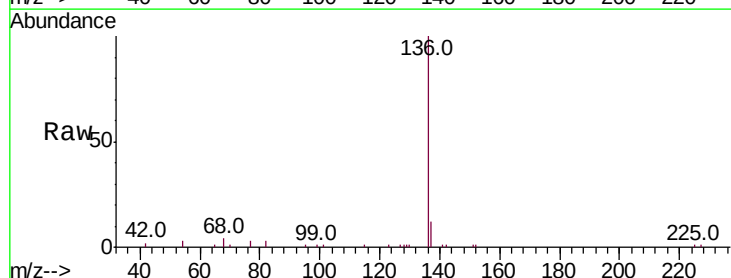
Ion Ratio Lower Upper

136 100

137 11.6 8.9 13.3

54 3.2 2.6 4.0

68 3.9 3.4 5.2

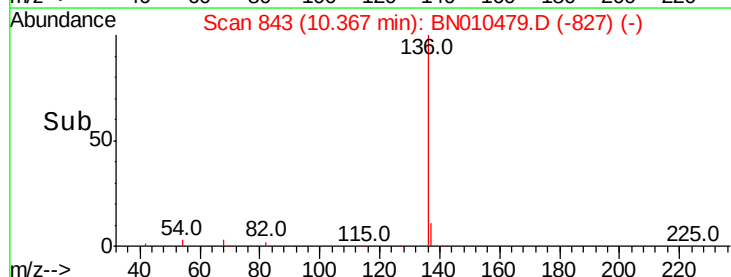
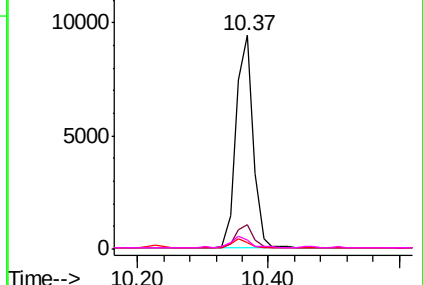


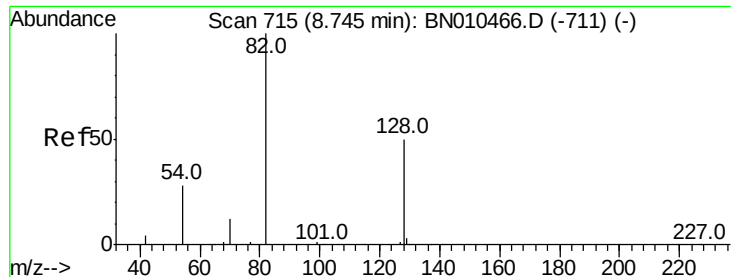
Abundance Ion 136.00 (135.70 to 136.70): BN010466.D (-834) (-)

Ion 137.00 (136.70 to 137.70): BN010466.D (-834) (-)

Ion 54.00 (53.70 to 54.70): BN010466.D (-834) (-)

Ion 68.00 (67.70 to 68.70): BN010466.D (-834) (-)





#8

Nitrobenzene-d5

Concen: 3.761 ng

RT: 8.73 min Scan# 714

Delta R.T. -0.01 min

Lab File: BN010479.D

Acq: 14 Apr 2020 15:30

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL

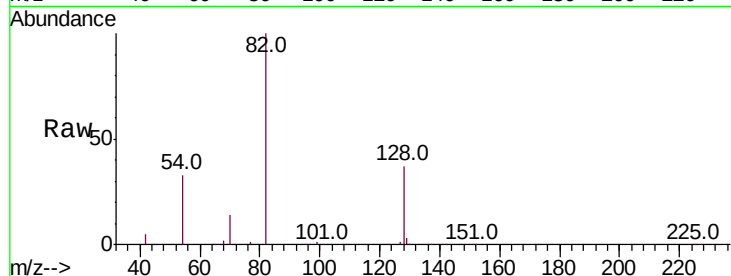
Tot Ion: 82 Resp: 44449

Ion Ratio Lower Upper

82 100

128 37.5 41.3 61.9#

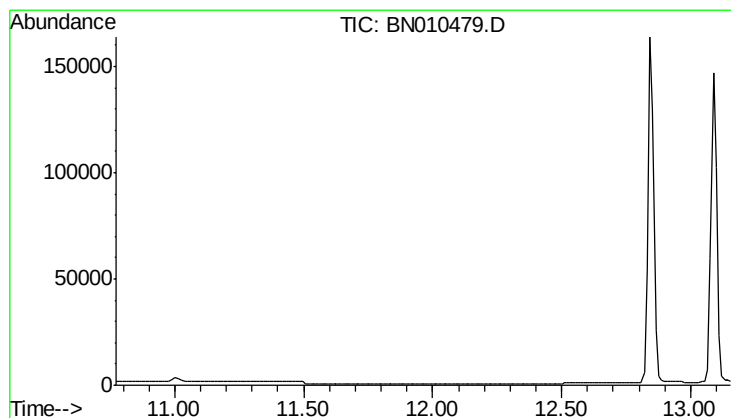
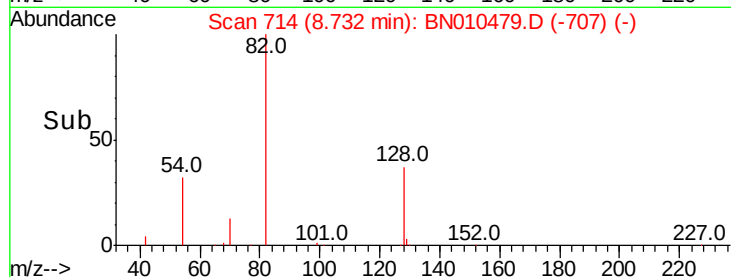
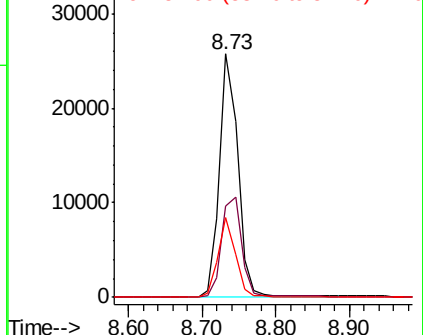
54 32.6 23.4 35.0



Abundance Ion 82.00 (81.70 to 82.70): BN010479.D

Ion 128.00 (127.70 to 128.70): BN010479.D

Ion 54.00 (53.70 to 54.70): BN010479.D



#11

2-Methylnaphthalene-d10

Concen: 0.000 ng

Expected RT: 11.96 min

Lab File: BN010479.D

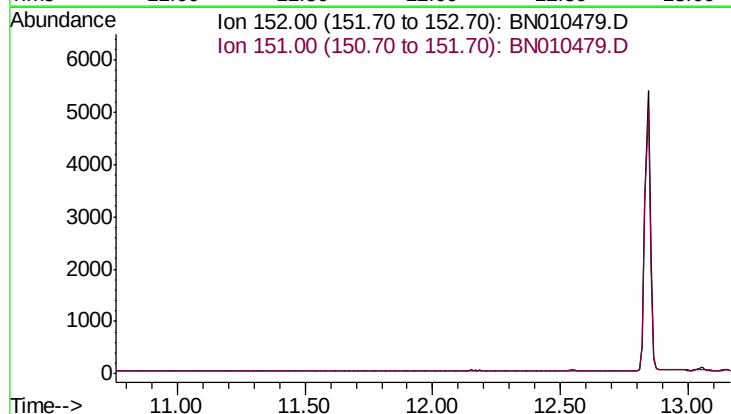
Acq: 14 Apr 2020 15:30

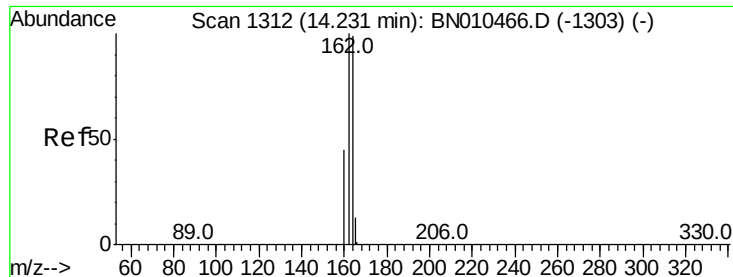
Tgt Ion: 152

Sig Exp Ratio

152 100

151 19.1





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.22 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BN010479.D

Acq: 14 Apr 2020 15:30

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL

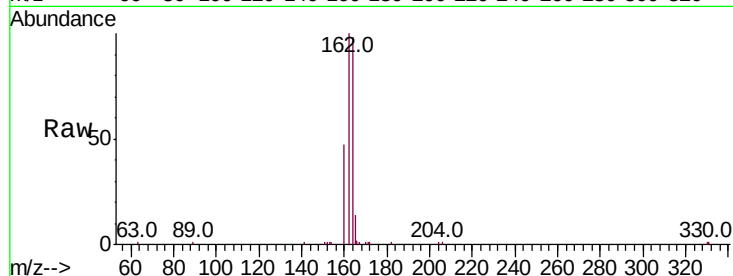
Tot Ion:164 Resp: 10892

Ion Ratio Lower Upper

164 100

162 102.4 80.6 121.0

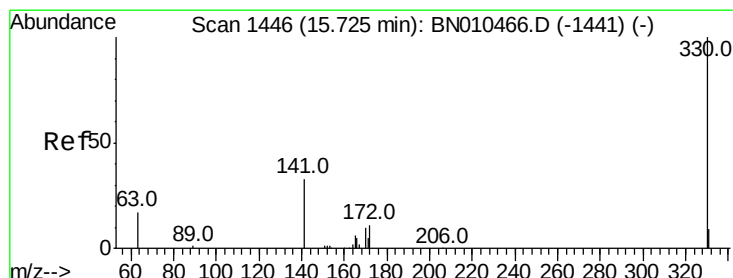
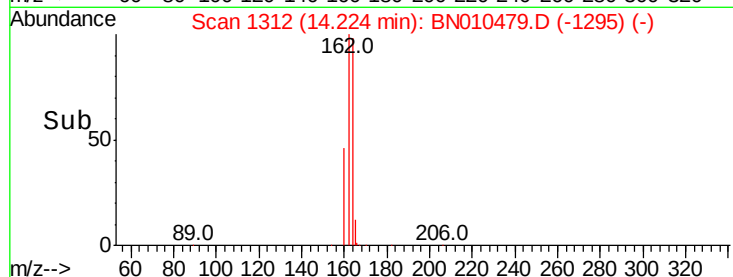
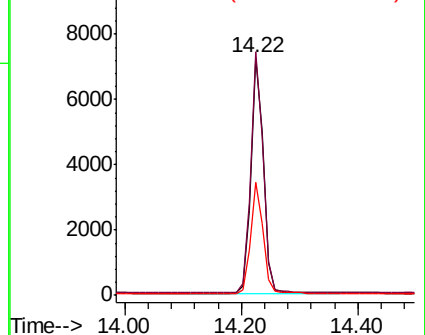
160 47.7 36.5 54.7



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: 5.916 ng

RT: 15.73 min Scan# 1447

Delta R.T. 0.00 min

Lab File: BN010479.D

Acq: 14 Apr 2020 15:30

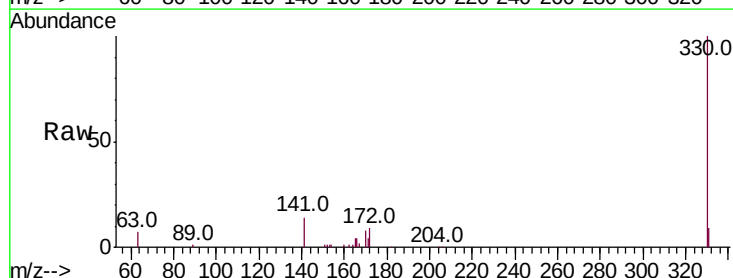
Tgt Ion:330 Resp: 30370

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

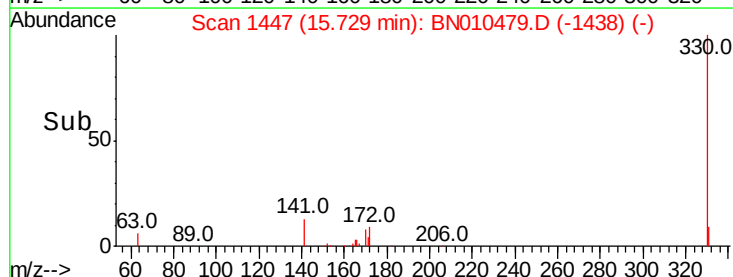
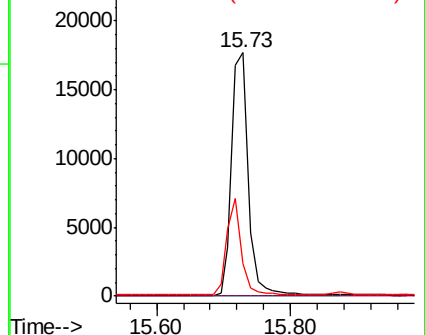
141 35.4 28.1 42.1

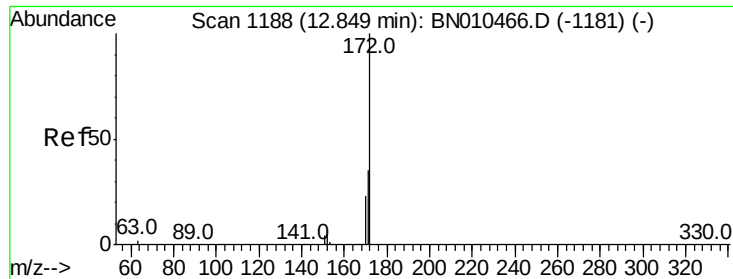


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

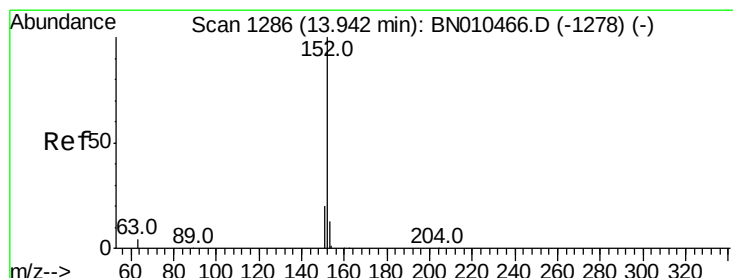
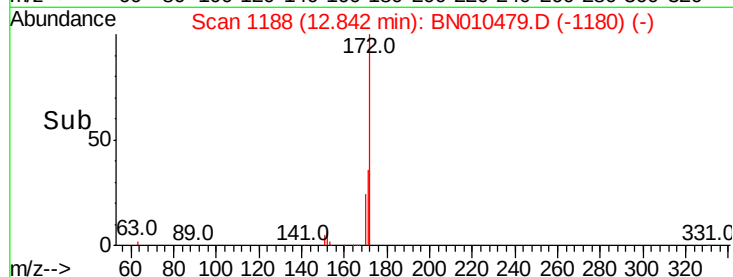
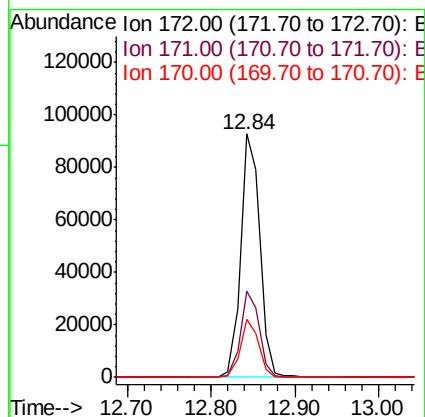
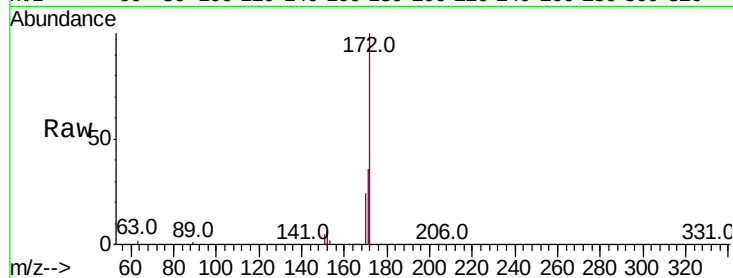




#15
2-Fluorobiphenyl
Concen: 3.723 ng
RT: 12.84 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BN010479.D
Acq: 14 Apr 2020 15:30

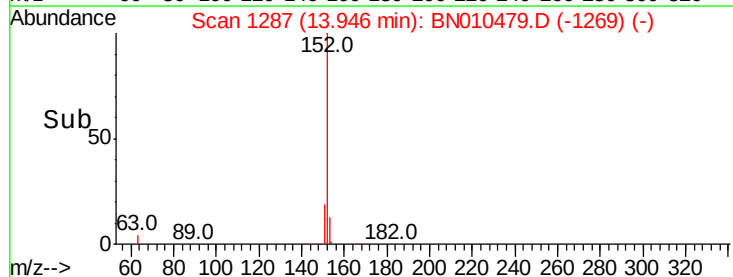
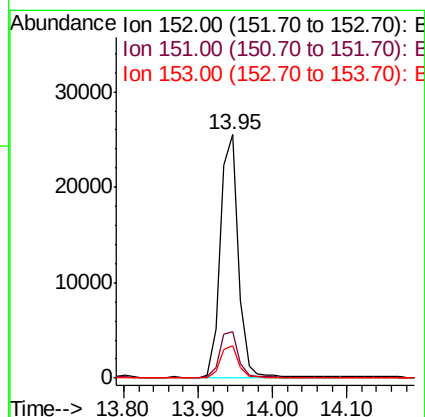
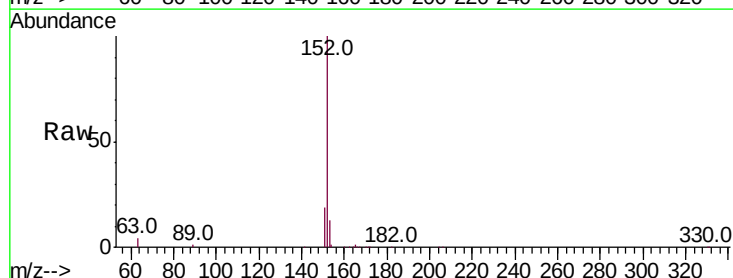
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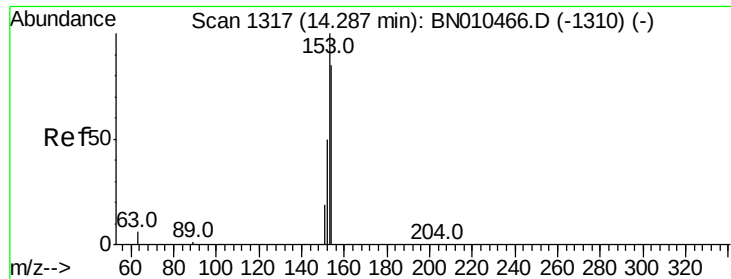
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.2
170	23.7	18.4	27.6



#16
Acenaphthylene
Concen: 0.906 ng
RT: 13.95 min Scan# 1287
Delta R.T. 0.00 min
Lab File: BN010479.D
Acq: 14 Apr 2020 15:30

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	13.0	10.6	15.8





#17

Acenaphthene

Concen: 0.995 ng

RT: 14.29 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BN010479.D

Acq: 14 Apr 2020 15:30

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL

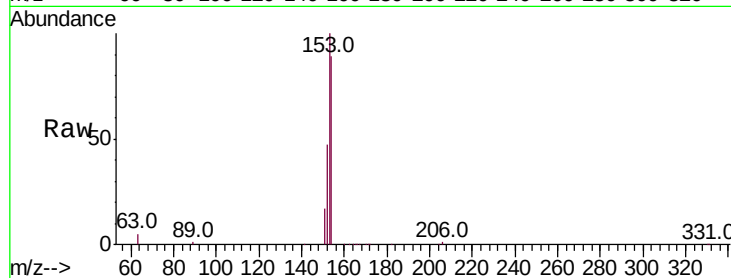
Tot Ion:154 Resp: 30095

Ion Ratio Lower Upper

154 100

153 113.3 91.0 136.4

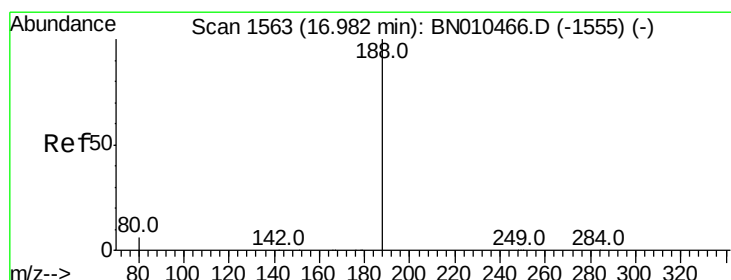
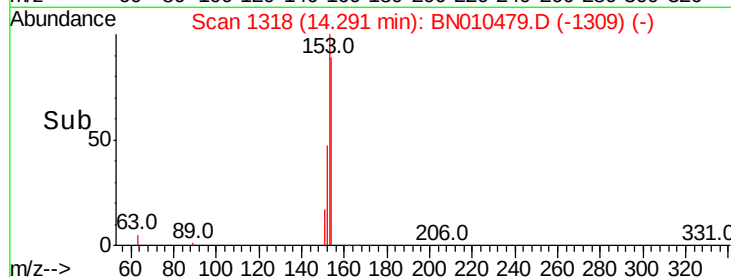
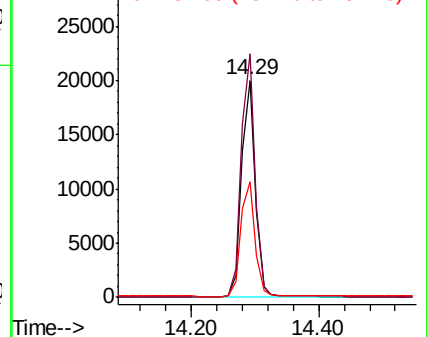
152 55.2 44.6 67.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.97 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BN010479.D

Acq: 14 Apr 2020 15:30

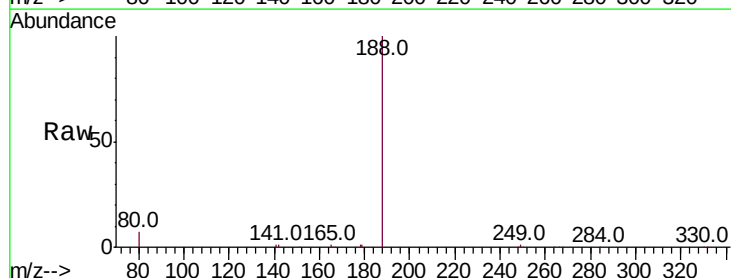
Tgt Ion:188 Resp: 24608

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

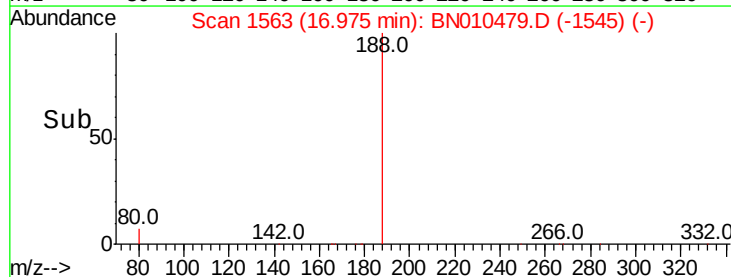
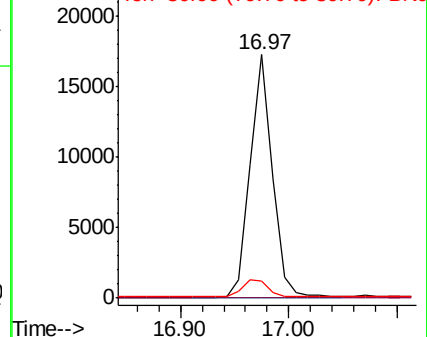
80 7.1 5.0 7.6

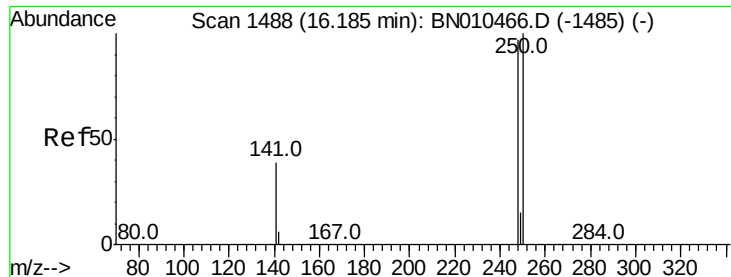


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC

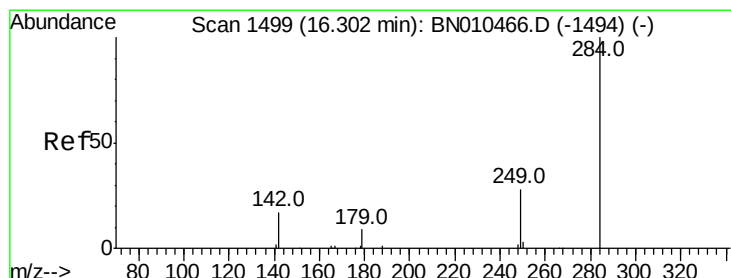
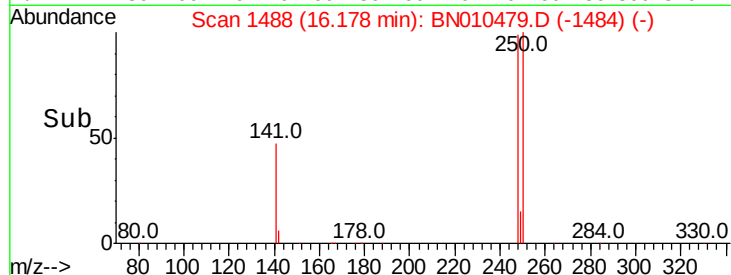
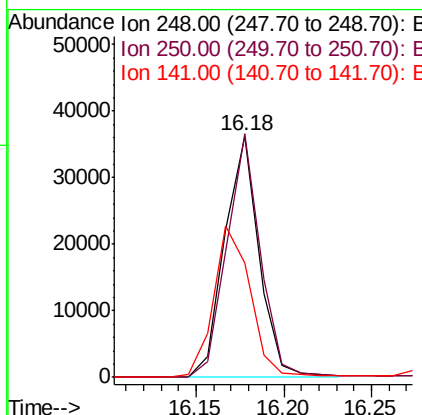
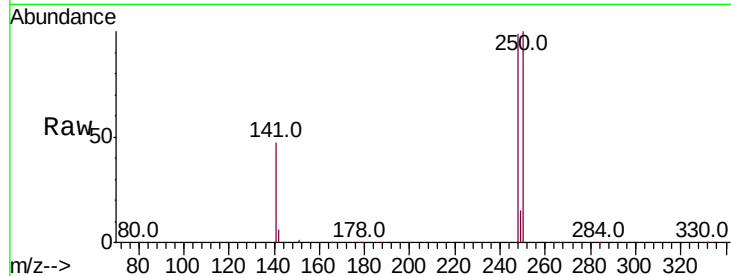




#20
4-Bromophenyl-phenylether
Concen: 3.552 ng
RT: 16.18 min Scan# 1488
Delta R.T. -0.01 min
Lab File: BN010479.D
Acq: 14 Apr 2020 15:30

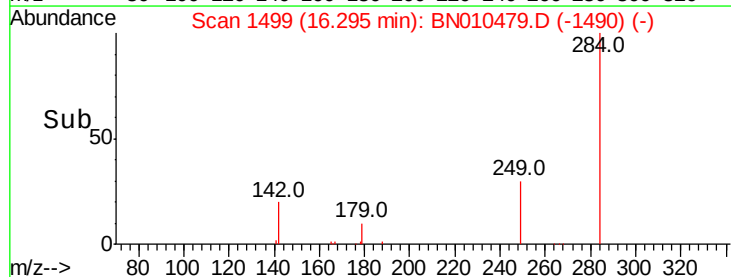
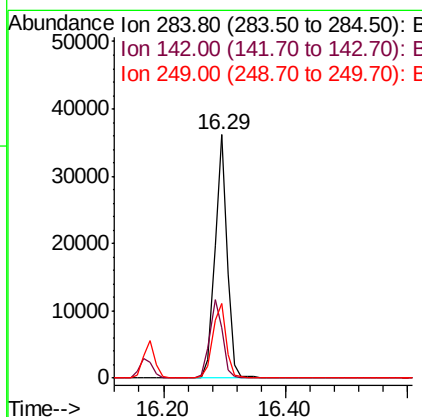
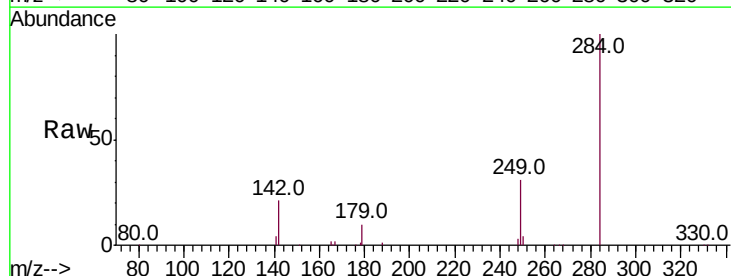
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

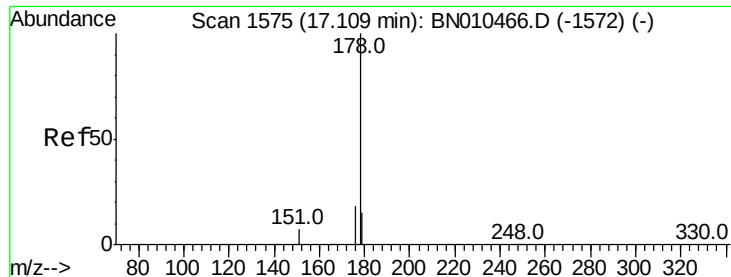
Tot Ion:248 Resp: 48560
Ion Ratio Lower Upper
248 100
250 100.8 82.3 123.5
141 47.1 35.2 52.8



#21
Hexachlorobenzene
Concen: 3.142 ng
RT: 16.29 min Scan# 1499
Delta R.T. -0.01 min
Lab File: BN010479.D
Acq: 14 Apr 2020 15:30

Tgt Ion:284 Resp: 49031
Ion Ratio Lower Upper
284 100
142 32.9 25.5 38.3
249 32.9 25.8 38.6





#24

Anthracene

Concen: 1.600 ng

RT: 17.10 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BN010479.D

Acq: 14 Apr 2020 15:30

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL

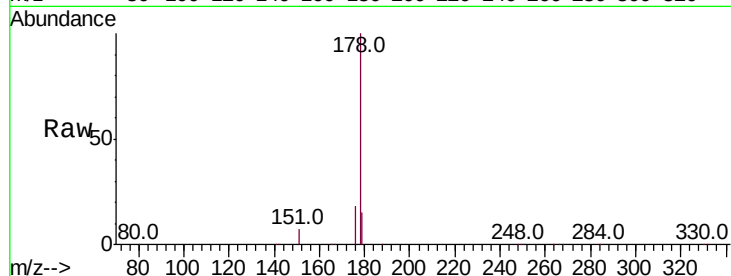
Tot Ion:178 Resp: 97202

Ion Ratio Lower Upper

178 100

176 18.0 14.6 21.8

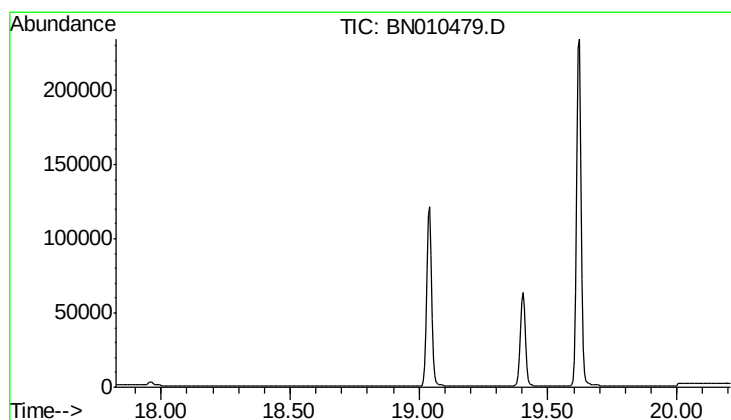
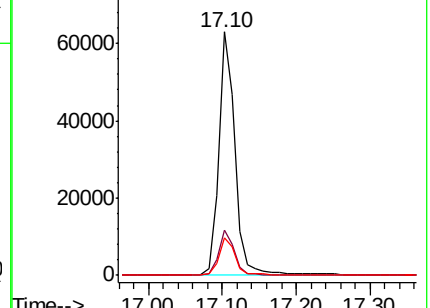
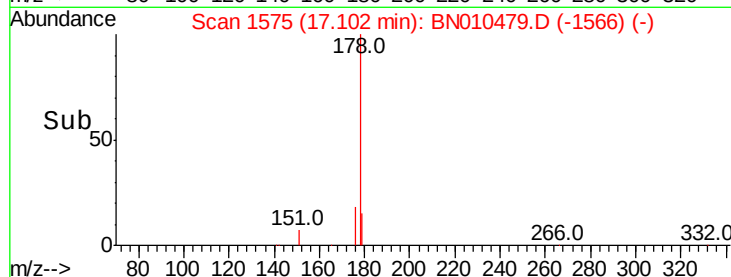
179 15.5 12.2 18.2



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



#25

Fluoranthene-d10

Concen: 0.000 ng

Expected RT: 19.02 min

Lab File: BN010479.D

Acq: 14 Apr 2020 15:30

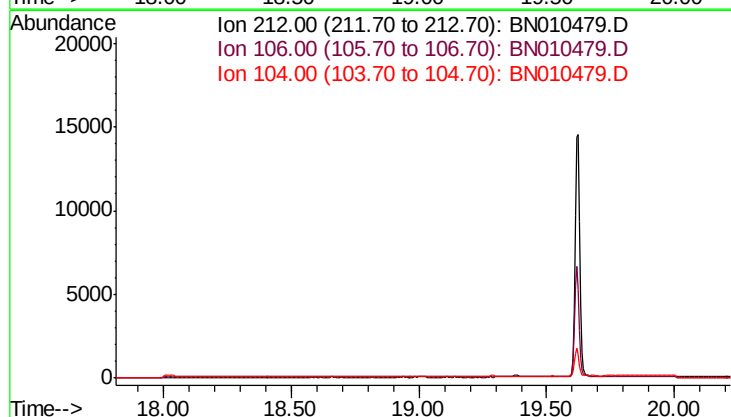
Tgt Ion: 212

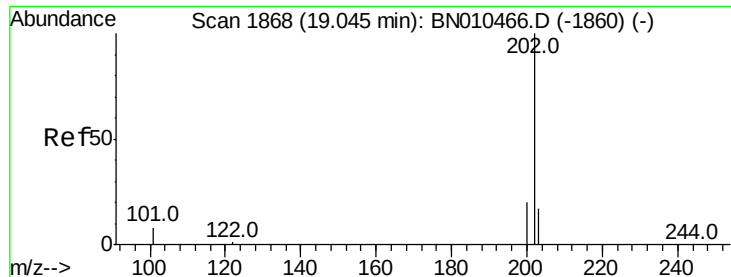
Sig Exp Ratio

212 100

106 9.7

104 5.6

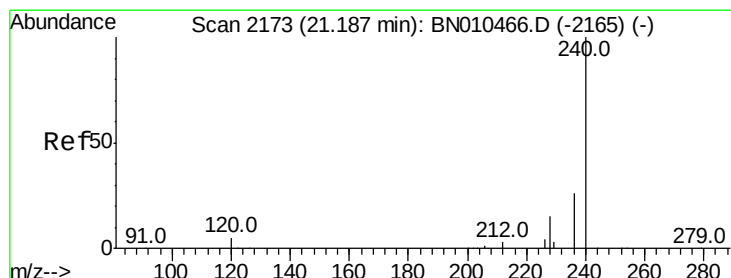
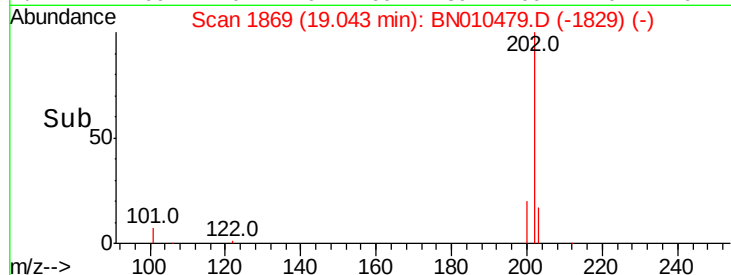
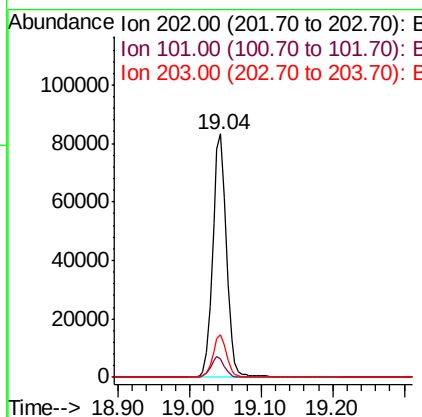
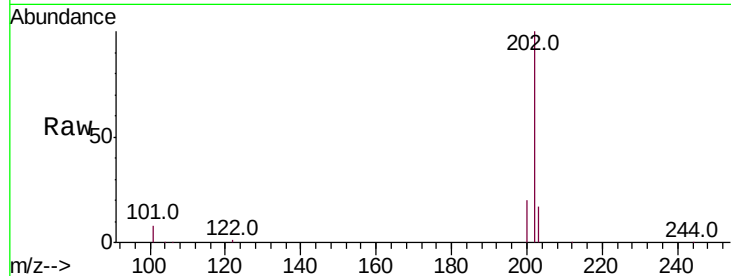




#26
Fluoranthene
Concen: 1.324 ng
RT: 19.04 min Scan# 1869
Delta R.T. -0.00 min
Lab File: BN010479.D
Acq: 14 Apr 2020 15:30

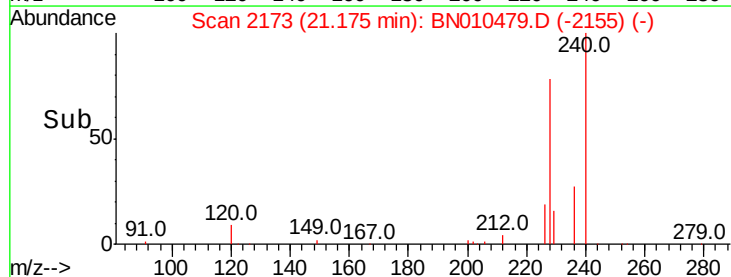
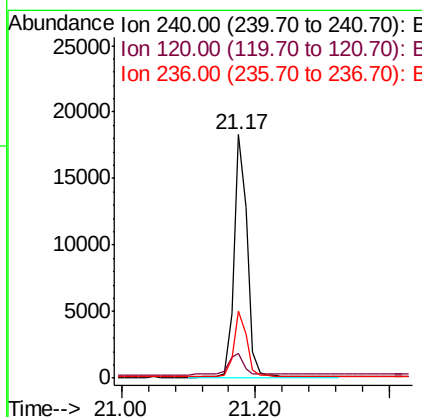
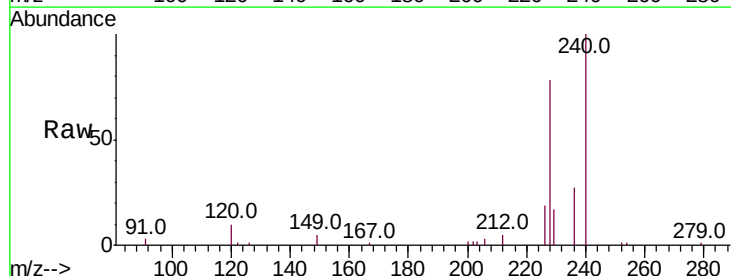
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

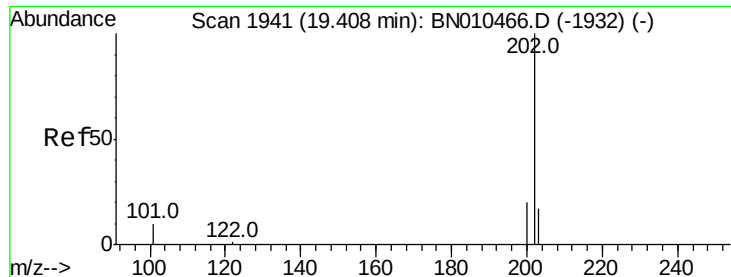
Tot Ion:202 Resp: 109507
Ion Ratio Lower Upper
202 100
101 8.4 6.9 10.3
203 17.3 13.9 20.9



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.17 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BN010479.D
Acq: 14 Apr 2020 15:30

Tgt Ion:240 Resp: 24792
Ion Ratio Lower Upper
240 100
120 10.2 4.8 7.2#
236 27.4 21.4 32.0

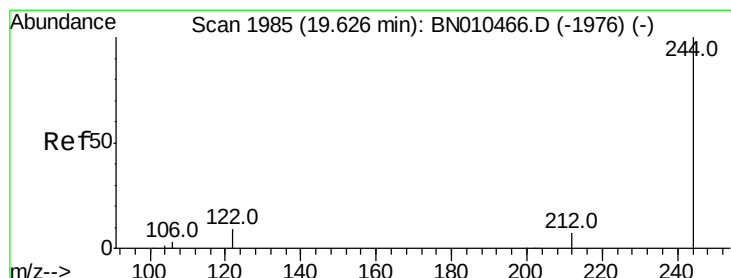
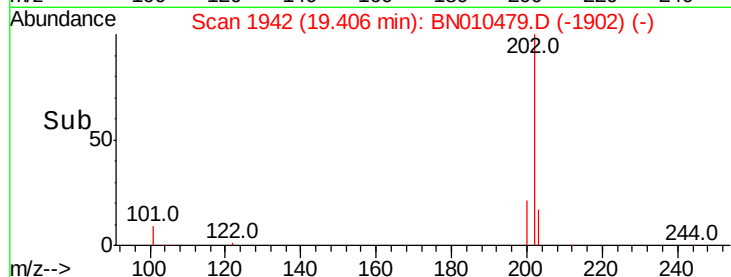
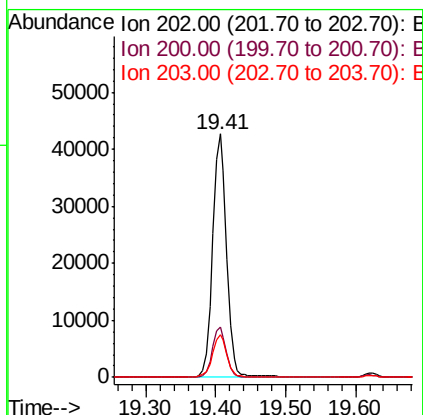
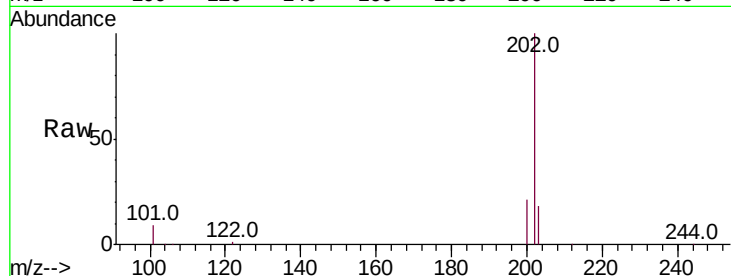




#28
Pvrene
Concen: 0.702 ng
RT: 19.41 min Scan# 1942
Delta R.T. -0.00 min
Lab File: BN010479.D
Acq: 14 Apr 2020 15:30

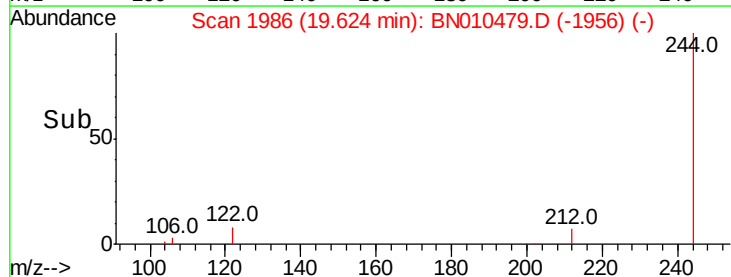
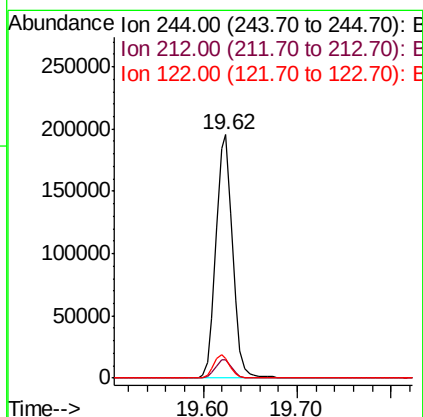
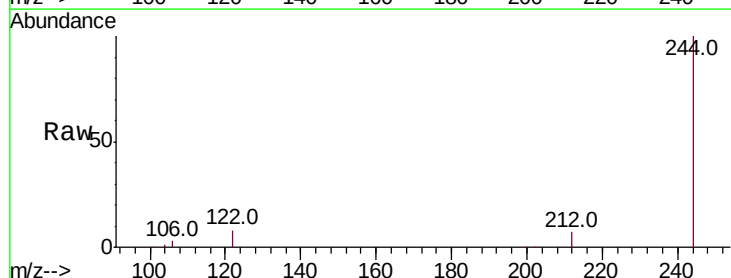
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

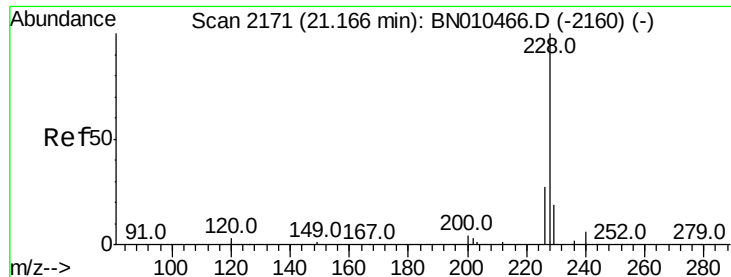
Tot Ion:202 Resp: 58553
Ion Ratio Lower Upper
202 100
200 20.4 16.3 24.5
203 17.7 14.0 21.0



#29
Terphenyl-d14
Concen: 4.205 ng
RT: 19.62 min Scan# 1986
Delta R.T. -0.00 min
Lab File: BN010479.D
Acq: 14 Apr 2020 15:30

Tgt Ion:244 Resp: 238572
Ion Ratio Lower Upper
244 100
212 7.4 6.2 9.4
122 8.3 7.8 11.8

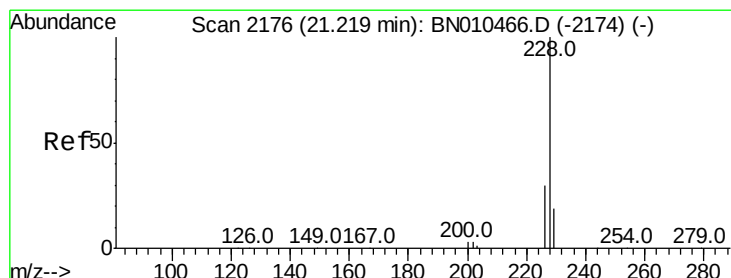
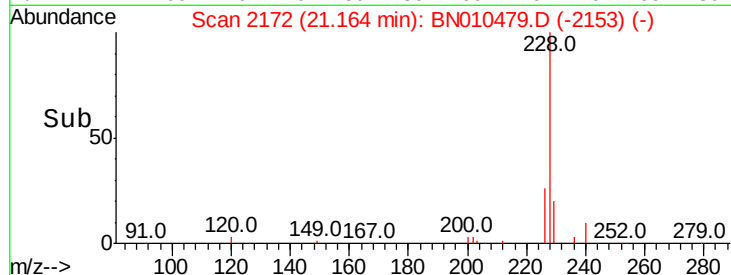
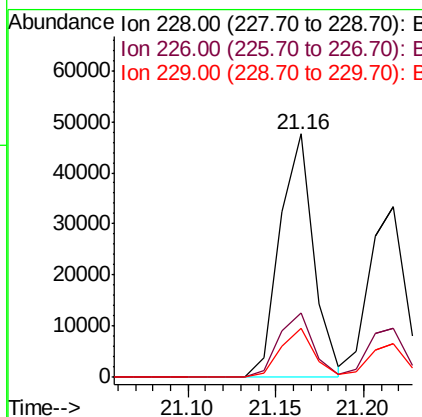
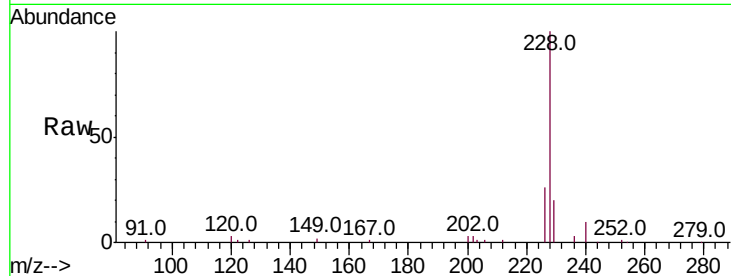




#30
Benzo(a)anthracene
Concen: 0.786 ng
RT: 21.16 min Scan# 2172
Delta R.T. -0.00 min
Lab File: BN010479.D
Acq: 14 Apr 2020 15:30

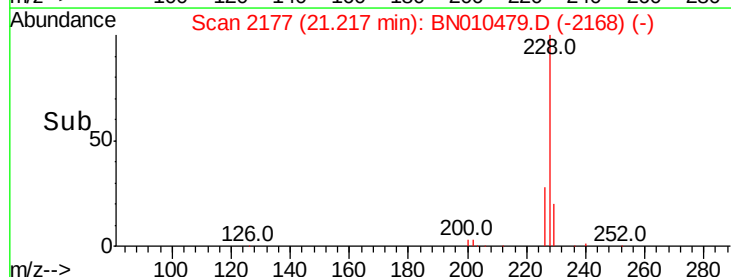
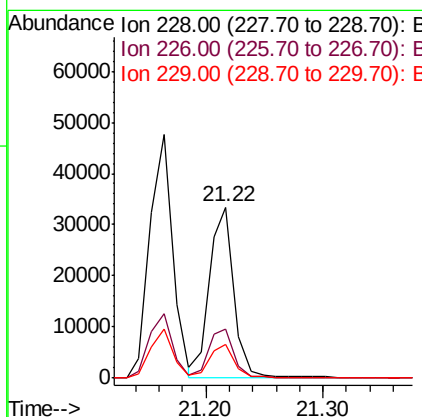
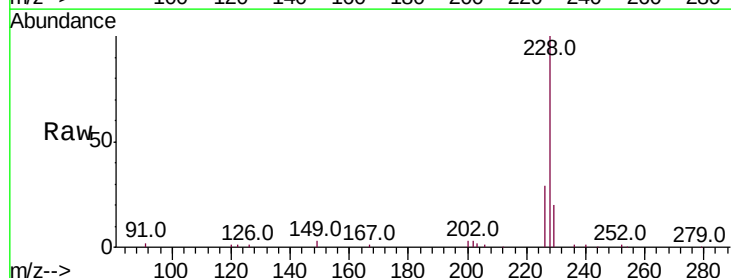
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

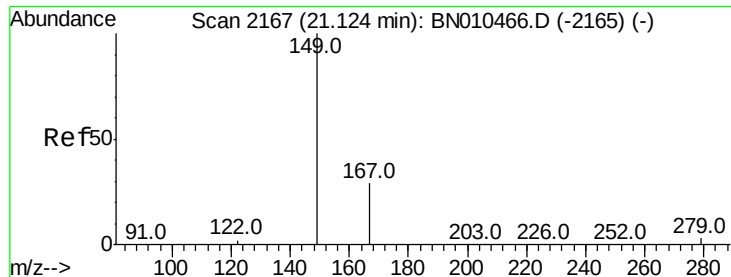
Tot Ion:228 Resp: 63585
Ion Ratio Lower Upper
228 100
226 26.3 21.7 32.5
229 19.9 15.6 23.4



#31
Chrysene
Concen: 0.597 ng
RT: 21.22 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BN010479.D
Acq: 14 Apr 2020 15:30

Tgt Ion:228 Resp: 48066
Ion Ratio Lower Upper
228 100
226 28.6 24.0 36.0
229 20.0 15.8 23.6





#32

Bis(2-ethylhexyl)phthalate

Concen: 4.474 ng

RT: 21.12 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BN010479.D

Acq: 14 Apr 2020 15:30

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL

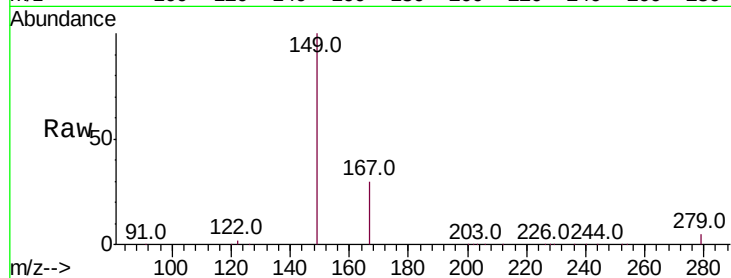
Tot Ion:149 Resp: 185676

Ion Ratio Lower Upper

149 100

167 29.0 23.4 35.0

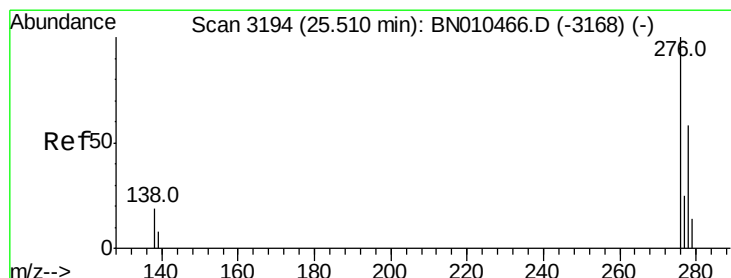
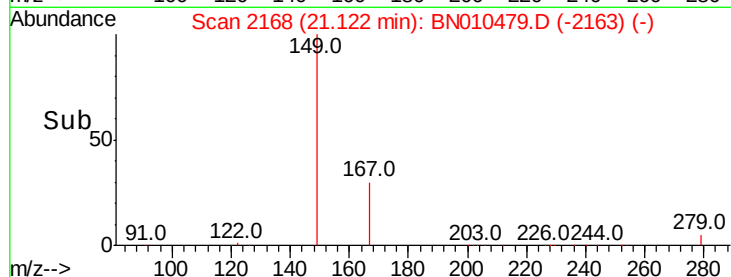
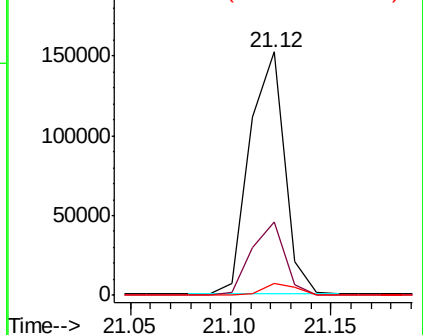
279 4.7 4.0 6.0



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



#33

Indeno(1,2,3-cd)pyrene

Concen: 1.084 ng

RT: 25.49 min Scan# 3191

Delta R.T. -0.02 min

Lab File: BN010479.D

Acq: 14 Apr 2020 15:30

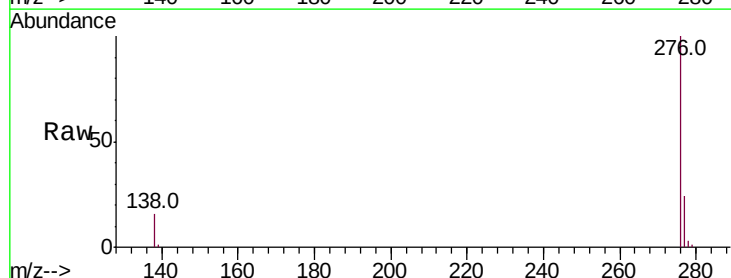
Tgt Ion:276 Resp: 77248

Ion Ratio Lower Upper

276 100

138 16.2 16.4 24.6#

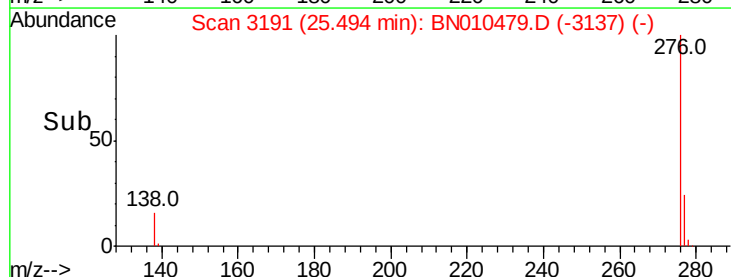
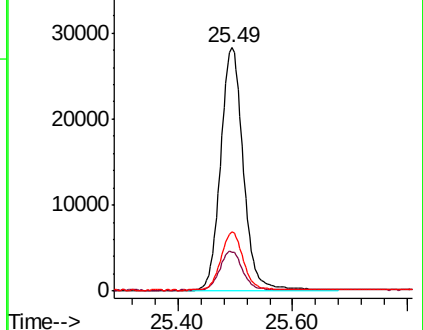
277 23.6 19.8 29.6

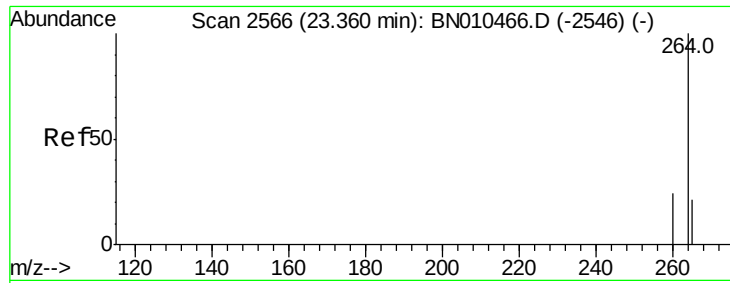


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



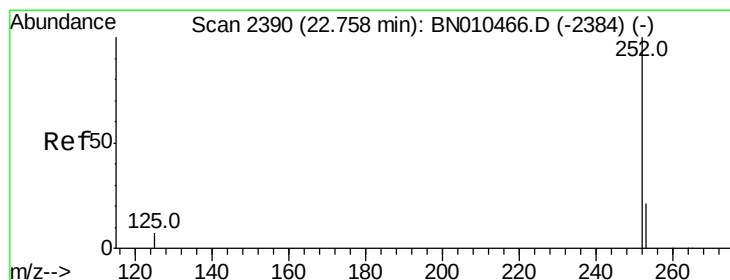
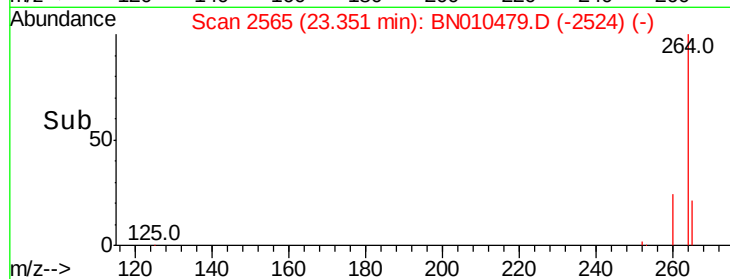
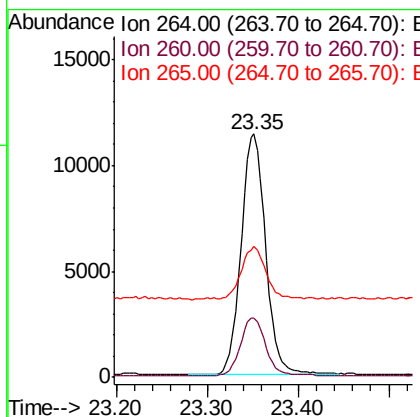
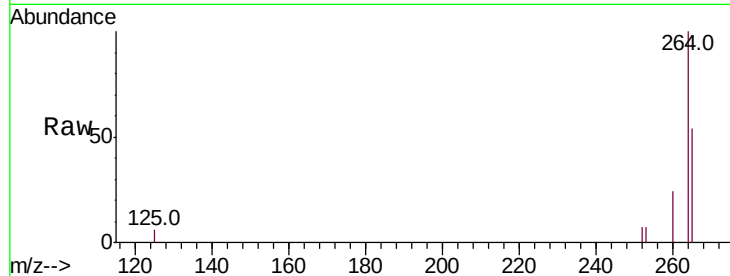


#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.35 min Scan# 2565
Delta R.T. -0.01 min
Lab File: BN010479.D
Acq: 14 Apr 2020 15:30

Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

Tot Ion:264 Resp: 21396

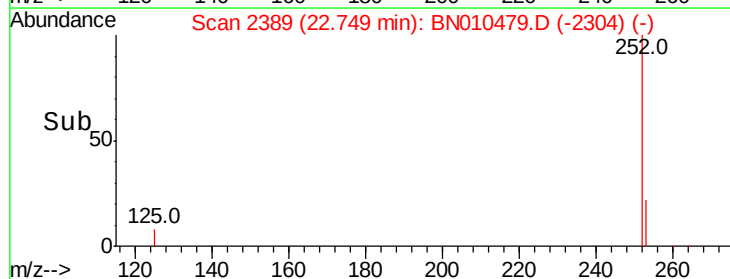
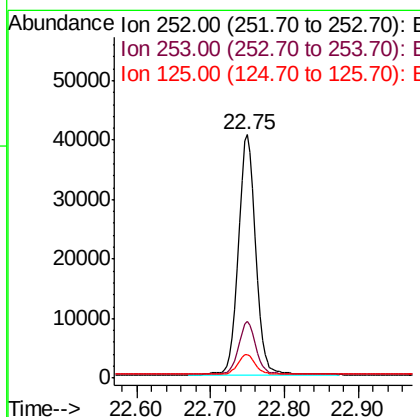
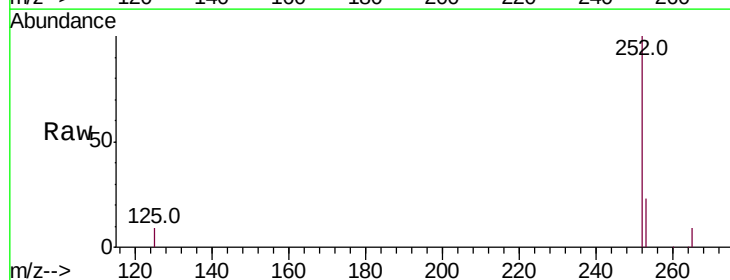
Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.8	29.8
265	53.6	42.3	63.5

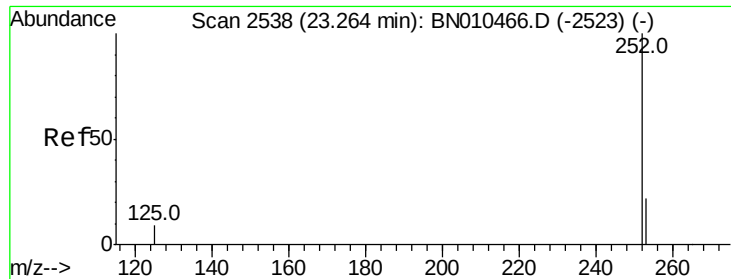


#36
Benzo(k)fluoranthene
Concen: 0.929 ng
RT: 22.75 min Scan# 2389
Delta R.T. -0.01 min
Lab File: BN010479.D
Acq: 14 Apr 2020 15:30

Tgt Ion:252 Resp: 65577

Ion	Ratio	Lower	Upper
252	100		
253	23.3	20.1	30.1
125	9.4	9.6	14.4#





#37

Benzo(a)pyrene

Concen: 1.399 ng

RT: 23.26 min Scan# 2537

Delta R.T. -0.01 min

Lab File: BN010479.D

Acq: 14 Apr 2020 15:30

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL

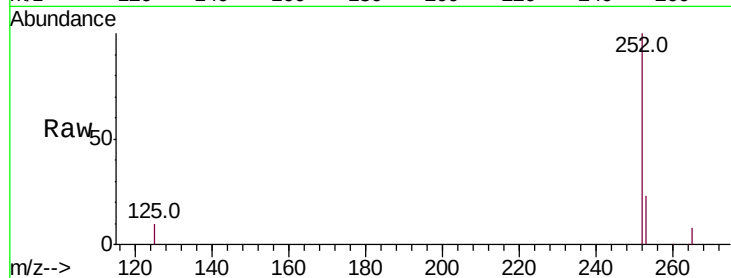
Tot Ion:252 Resp: 87242

Ion Ratio Lower Upper

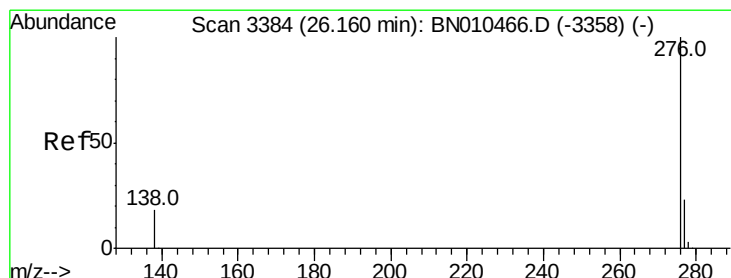
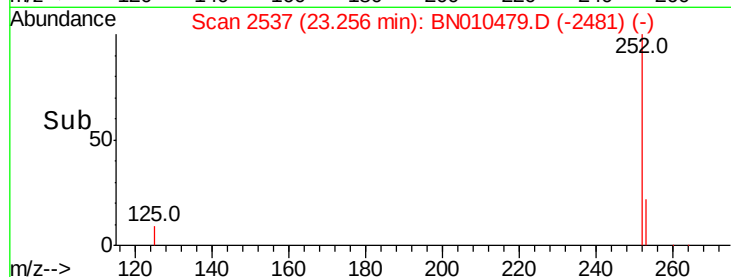
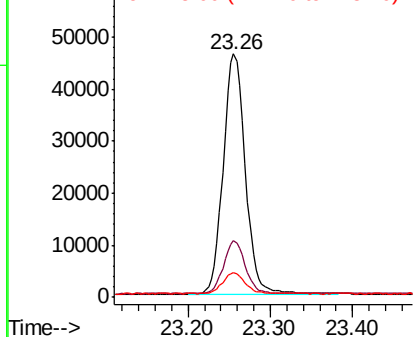
252 100

253 23.1 21.8 32.8

125 10.2 11.0 16.6#



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(g,h,i)perylene

Concen: 0.678 ng

RT: 26.14 min Scan# 3381

Delta R.T. -0.02 min

Lab File: BN010479.D

Acq: 14 Apr 2020 15:30

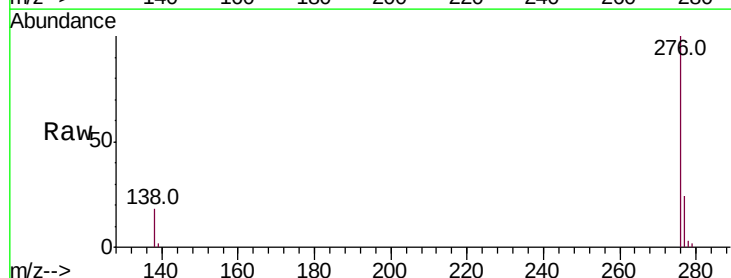
Tgt Ion:276 Resp: 38888

Ion Ratio Lower Upper

276 100

277 24.2 20.2 30.2

138 17.9 15.4 23.2



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

