

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN041520\
 Data File : BN010507.D
 Acq On : 15 Apr 2020 14:35
 Operator : CG/JU
 Sample : L2178-02RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-1DRE

Quant Time: Apr 15 15:55:55 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	3775	0.40	ng	0.00
7) Naphthalene-d8	10.35	136	15667	0.40	ng	-0.01
13) Acenaphthene-d10	14.22	164	10911	0.40	ng	0.00
19) Phenanthrene-d10	16.97	188	25240	0.40	ng	0.00
27) Chrysene-d12	21.17	240	26723	0.40	ng	-0.01
34) Perylene-d12	23.35	264	23382	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.25	112	1694	0.20	ng	0.00
5) Phenol-d6	6.79	99	1271	0.12	ng	0.00
8) Nitrobenzene-d5	8.73	82	8368	0.76	ng	-0.01
11) 2-Methylnaphthalene-d10	11.95	152	10391	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.72	330	2578	0.50	ng	0.00
15) 2-Fluorobiphenyl	12.84	172	29826	0.75	ng	0.00
25) Fluoranthene-d10	19.01	212	31395	0.41	ng	0.00
29) Terphenyl-d14	19.62	244	44997	0.74	ng	0.00

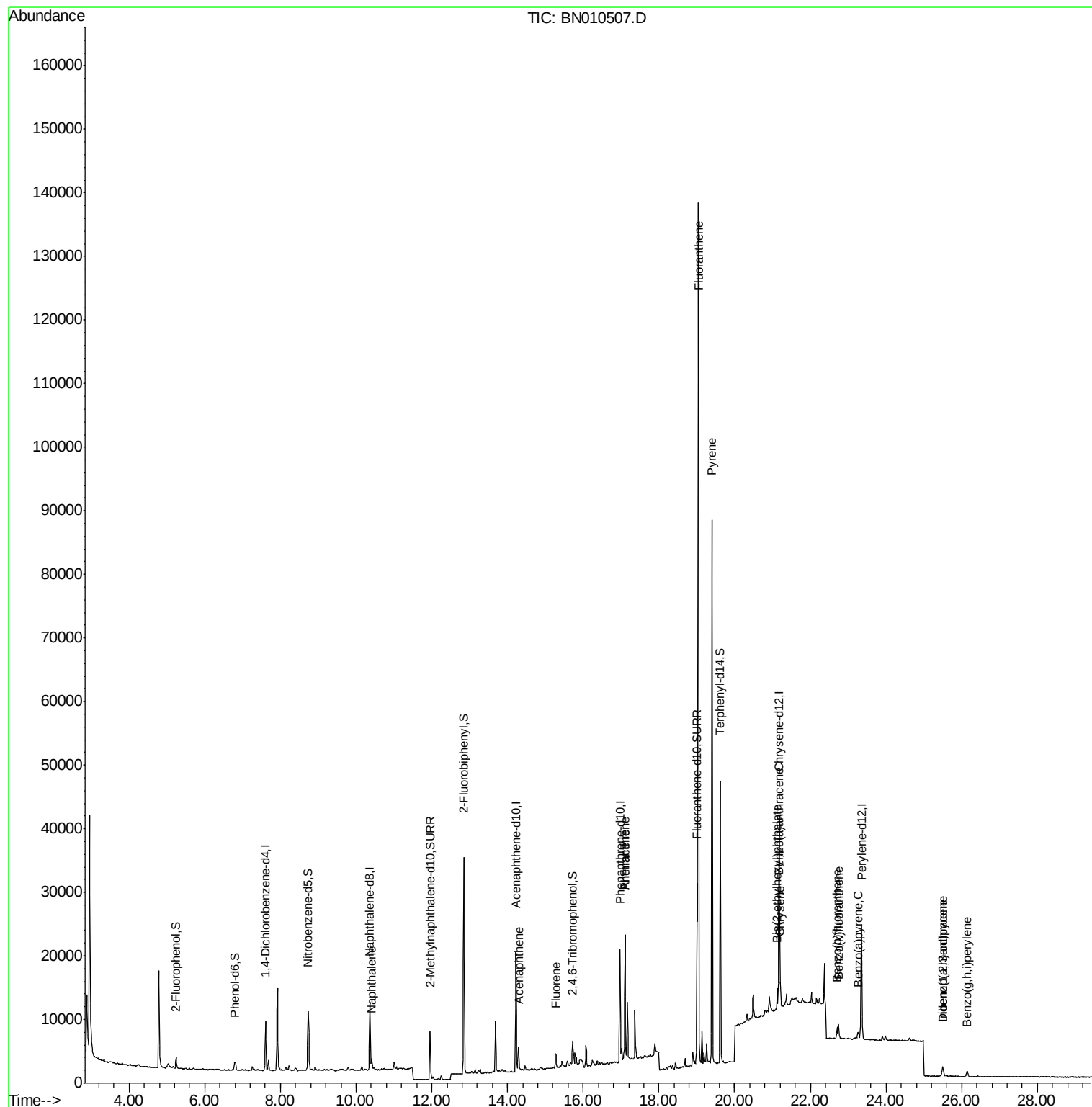
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.41	128	2259	0.058	ng	# 87
17) Acenaphthene	14.29	154	1696	0.056	ng	94
18) Fluorene	15.27	166	1663	0.042	ng	# 86
23) Phenanthrene	17.10	178	20808	0.305	ng	97
24) Anthracene	17.10	178	20764	0.333	ng	97
26) Fluoranthene	19.04	202	117483	1.385	ng	100
28) Pyrene	19.40	202	75663	0.841	ng	100
30) Benzo(a)anthracene	21.16	228	4053	0.046	ng	# 79
31) Chrysene	21.21	228	3731	0.043	ng	# 76
32) Bis(2-ethylhexyl)phthalate	21.12	149	2872	0.064	ng	99
33) Indeno(1,2,3-cd)pyrene	25.49	276	1744	0.023	ng	94
35) Benzo(b)fluoranthene	22.70	252	2309	0.030	ng	# 22
36) Benzo(k)fluoranthene	22.75	252	2101	0.027	ng	# 1
37) Benzo(a)pyrene	23.26	252	1645	0.024	ng	# 1
38) Dibenzo(a,h)anthracene	25.50	278	1338	0.021	ng	# 25
39) Benzo(g,h,i)perylene	26.14	276	1686	0.027	ng	# 62

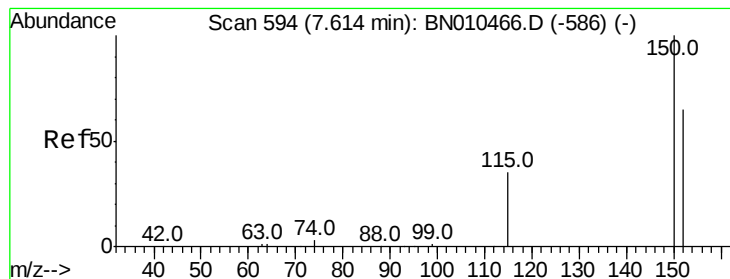
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BN010507.D

Acq: 15 Apr 2020 14:35

Instrument :

BNA_N

ClientSampleId :

MW-1DRE

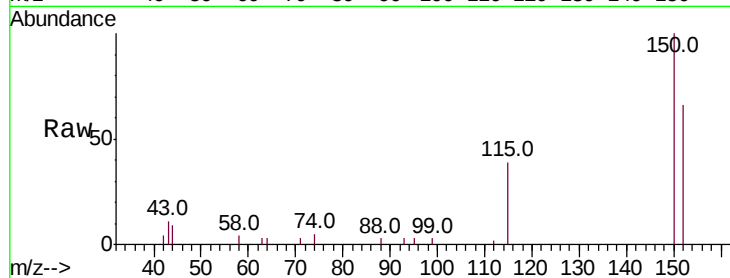
Tot Ion:152 Resp: 3775

Ion Ratio Lower Upper

152 100

150 151.4 121.8 182.6

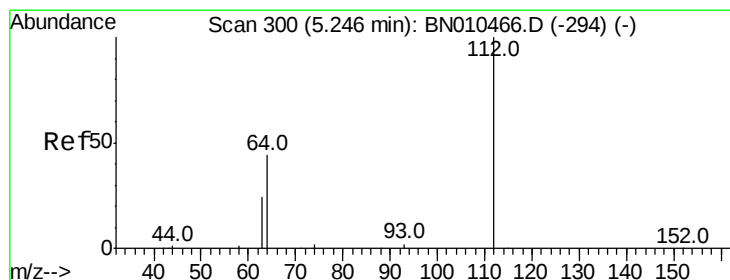
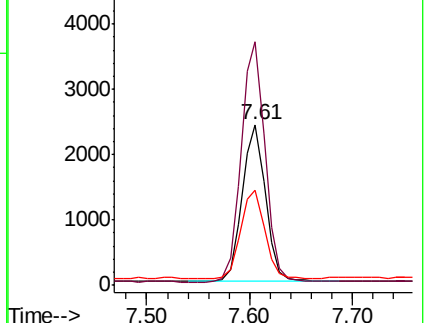
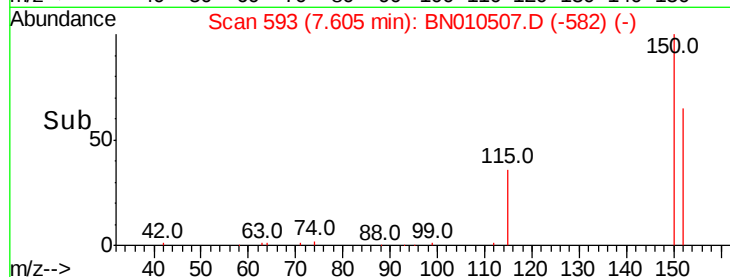
115 59.1 45.5 68.3



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



#4

2-Fluorophenol

Concen: 0.205 ng

RT: 5.25 min Scan# 300

Delta R.T. -0.00 min

Lab File: BN010507.D

Acq: 15 Apr 2020 14:35

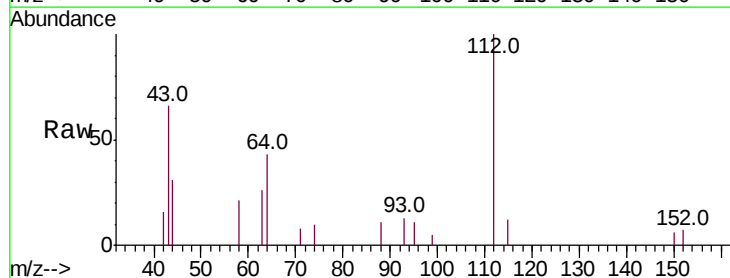
Tgt Ion:112 Resp: 1694

Ion Ratio Lower Upper

112 100

64 45.7 35.8 53.8

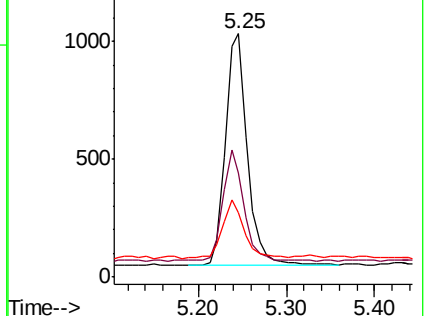
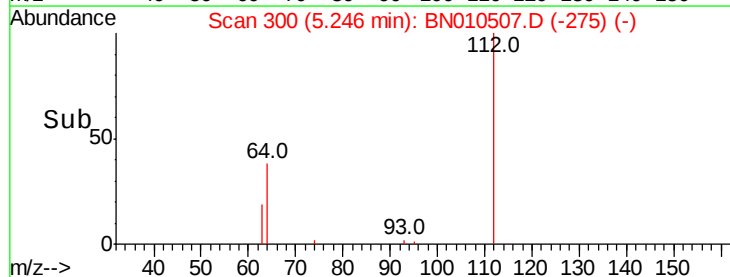
63 24.9 19.9 29.9

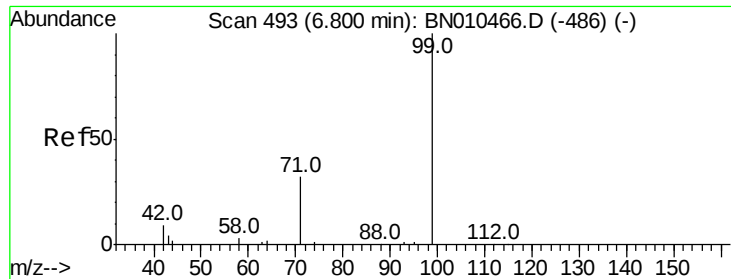


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.118 ng

RT: 6.79 min Scan# 492

Delta R.T. -0.01 min

Lab File: BN010507.D

Acq: 15 Apr 2020 14:35

Instrument :

BNA_N

ClientSampleId :

MW-1DRE

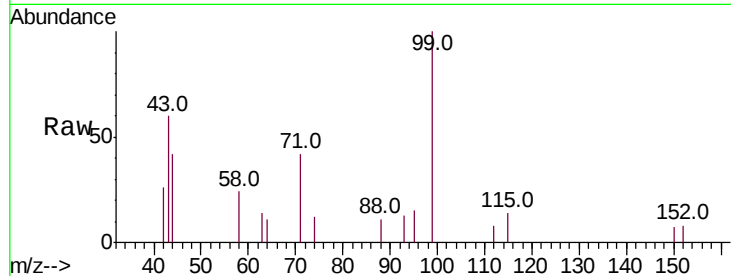
Tot Ion: 99 Resp: 1271

Ion Ratio Lower Upper

99 100

42 15.9 9.8 14.6#

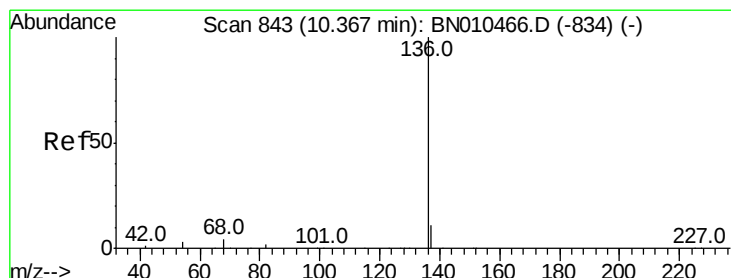
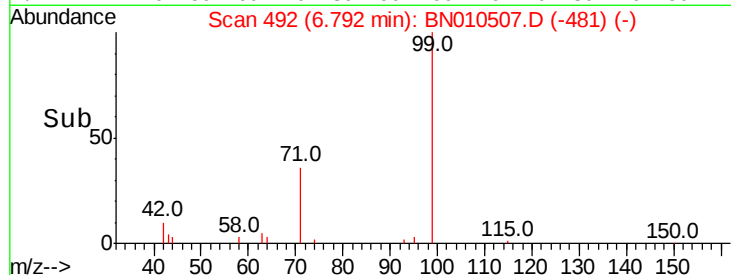
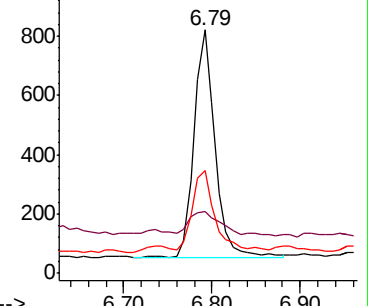
71 39.3 27.8 41.8



Abundance Ion 99.00 (98.70 to 99.70): BN010466.D (-486) (-)

Ion 42.00 (41.70 to 42.70): BN010466.D (-486) (-)

Ion 71.00 (70.70 to 71.70): BN010466.D (-486) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.35 min Scan# 842

Delta R.T. -0.01 min

Lab File: BN010507.D

Acq: 15 Apr 2020 14:35

Tgt Ion: 136 Resp: 15667

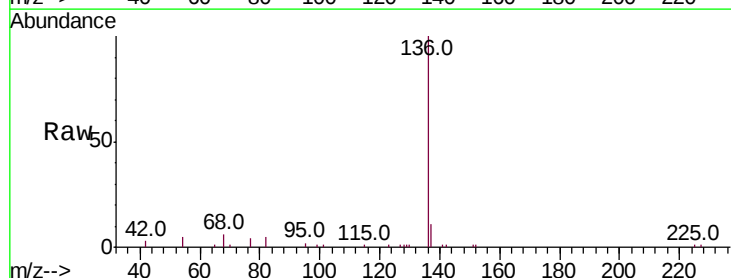
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 5.3 2.6 4.0#

68 6.5 3.4 5.2#

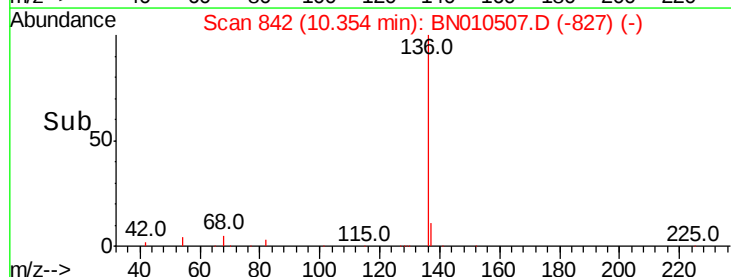
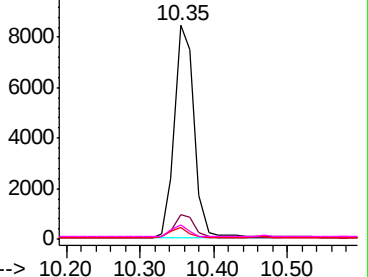


Abundance Ion 136.00 (135.70 to 136.70): BN010466.D (-834) (-)

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: 0.764 ng

RT: 8.73 min Scan# 714

Delta R.T. -0.01 min

Lab File: BN010507.D

Acq: 15 Apr 2020 14:35

Instrument :

BNA_N

ClientSampleId :

MW-1DRE

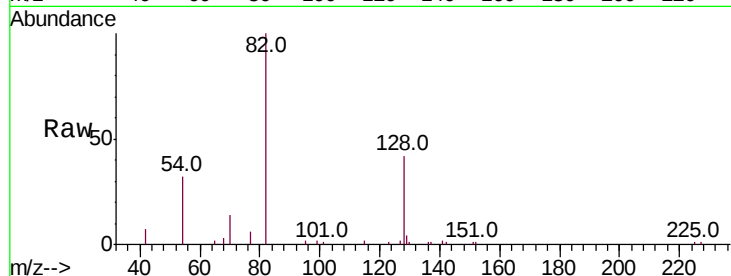
Tot Ion: 82 Resp: 8368

Ion Ratio Lower Upper

82 100

128 41.5 41.3 61.9

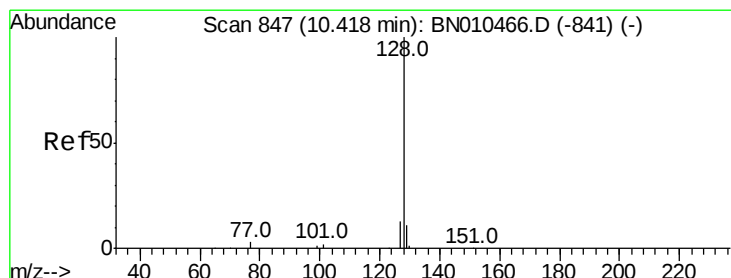
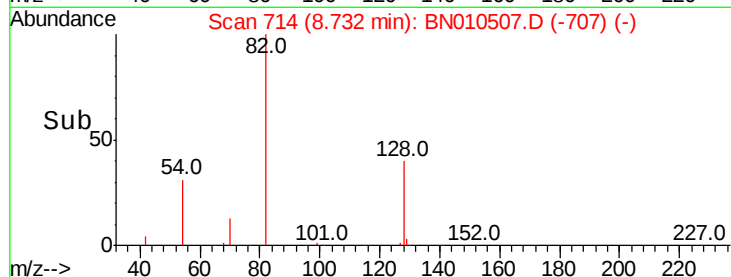
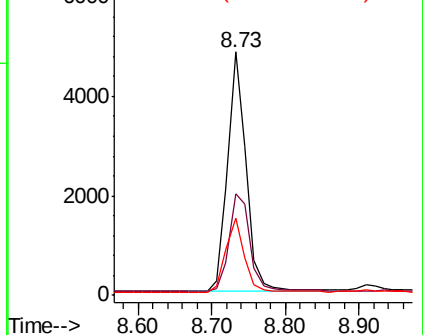
54 31.7 23.4 35.0



Abundance Ion 82.00 (81.70 to 82.70): BN0

Ion 128.00 (127.70 to 128.70): BN0

Ion 54.00 (53.70 to 54.70): BN0



#9

Naphthalene

Concen: 0.058 ng

RT: 10.41 min Scan# 846

Delta R.T. -0.01 min

Lab File: BN010507.D

Acq: 15 Apr 2020 14:35

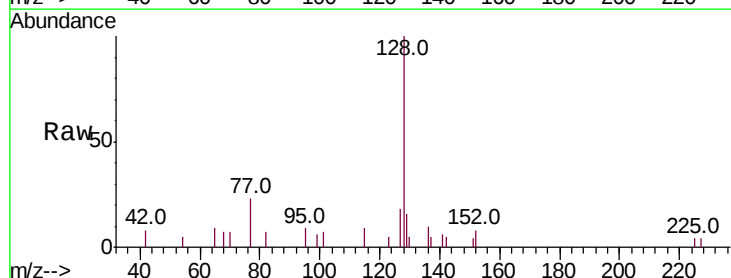
Tgt Ion: 128 Resp: 2259

Ion Ratio Lower Upper

128 100

129 16.3 9.3 13.9#

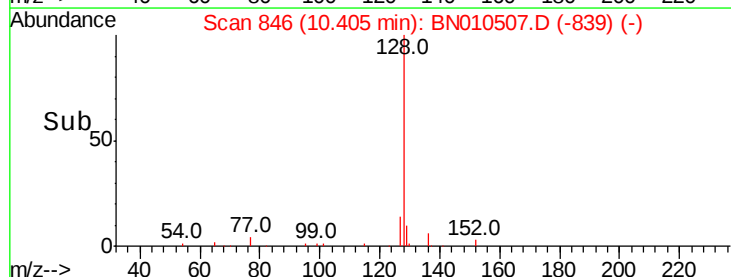
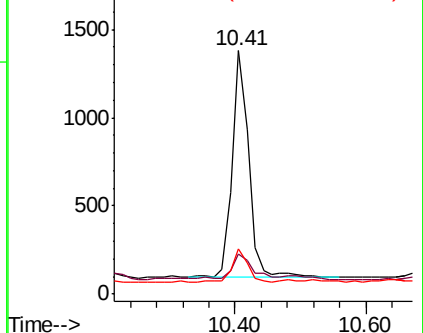
127 18.4 10.5 15.7#

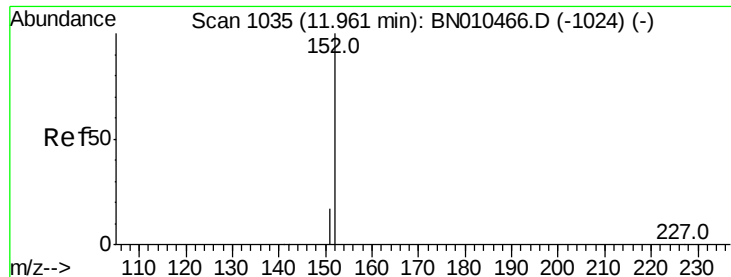


Abundance Ion 128.00 (127.70 to 128.70): BN0

Ion 129.00 (128.70 to 129.70): BN0

Ion 127.00 (126.70 to 127.70): BN0

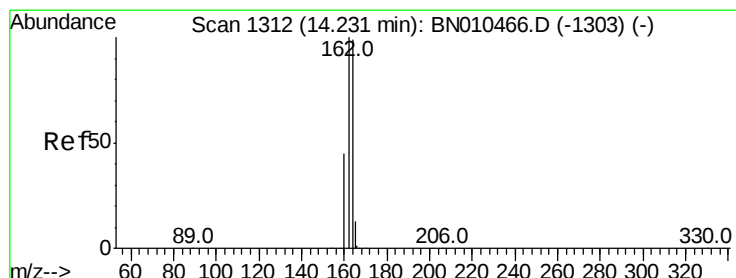
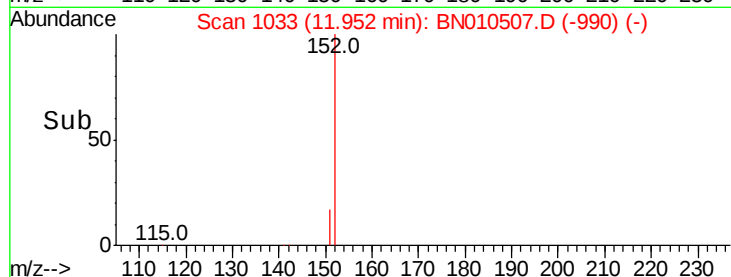
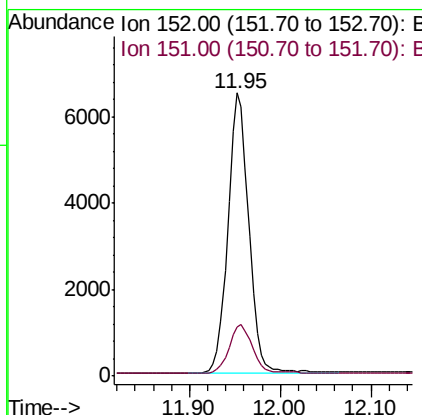
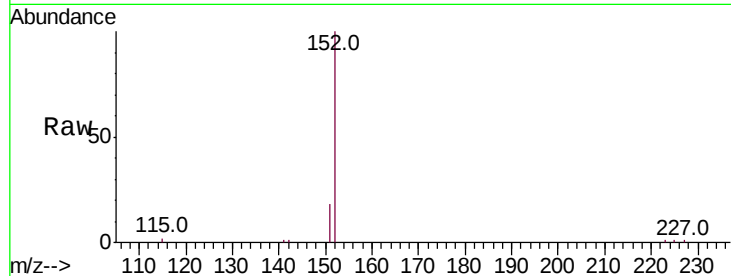




#11
2-Methylnaphthalene-d10
Concen: 0.403 ng
RT: 11.95 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BN010507.D
Acq: 15 Apr 2020 14:35

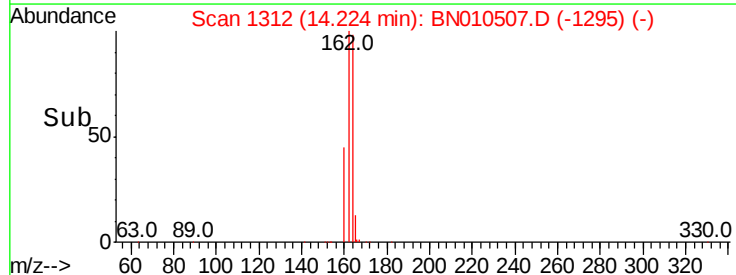
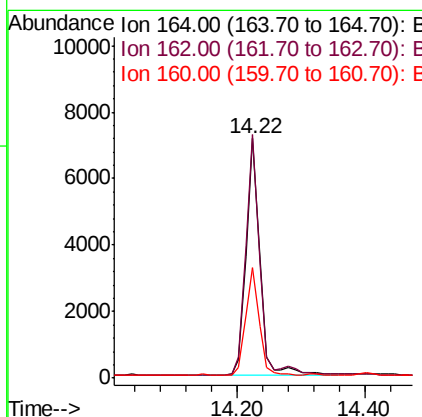
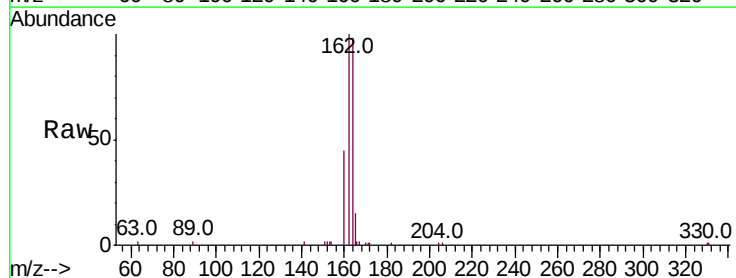
Instrument :
BNA_N
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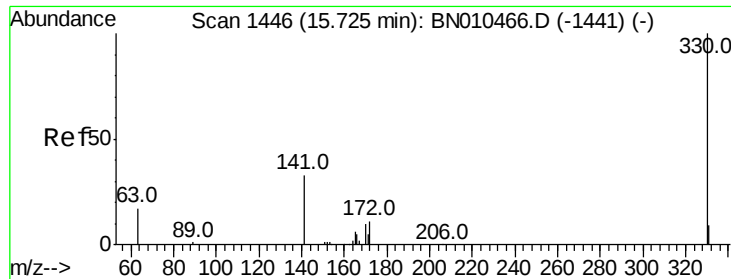
Tot Ion:152 Resp: 10391
Ion Ratio Lower Upper
152 100
151 19.4 15.3 22.9



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.22 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BN010507.D
Acq: 15 Apr 2020 14:35

Tgt Ion:164 Resp: 10911
Ion Ratio Lower Upper
164 100
162 101.6 80.6 121.0
160 45.8 36.5 54.7

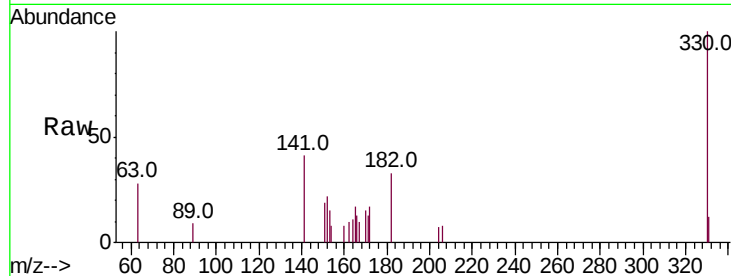




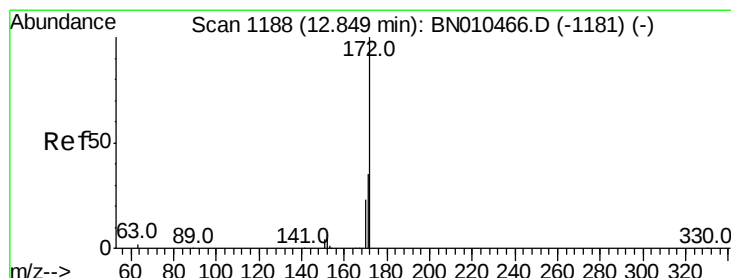
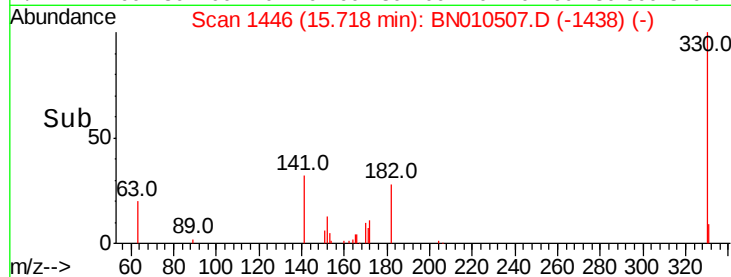
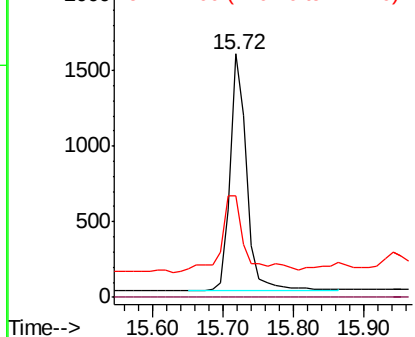
#14
2,4,6-Tribromophenol
Concen: 0.501 ng
RT: 15.72 min Scan# 1446
Delta R.T. -0.01 min
Lab File: BN010507.D
Acq: 15 Apr 2020 14:35

Instrument :
BNA_N
ClientSampleId :
MW-1DRE

Tot Ion:330 Resp: 2578
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 44.6 28.1 42.1#

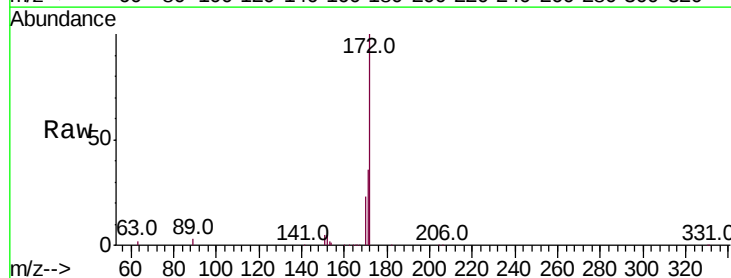


Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

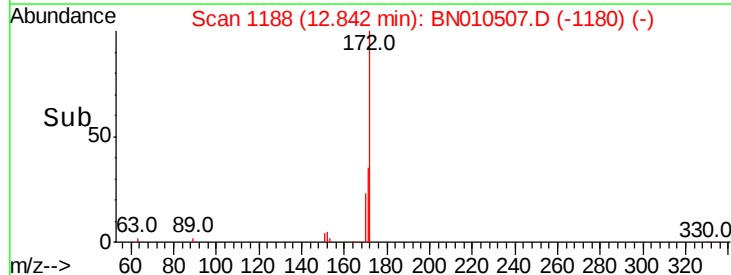
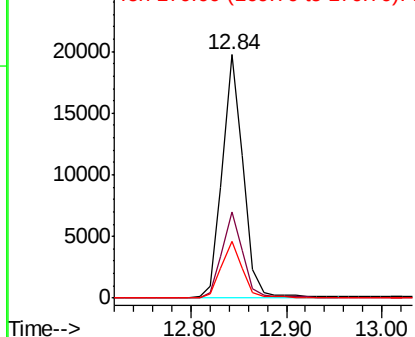


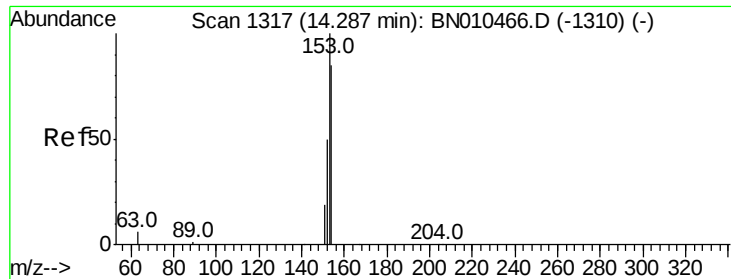
#15
2-Fluorobiphenyl
Concen: 0.751 ng
RT: 12.84 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BN010507.D
Acq: 15 Apr 2020 14:35

Tgt Ion:172 Resp: 29826
Ion Ratio Lower Upper
172 100
171 35.7 28.2 42.2
170 23.1 18.4 27.6



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





#17

Acenaphthene

Concen: 0.056 ng

RT: 14.29 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BN010507.D

Acq: 15 Apr 2020 14:35

Instrument :

BNA_N

ClientSampleId :

MW-1DRE

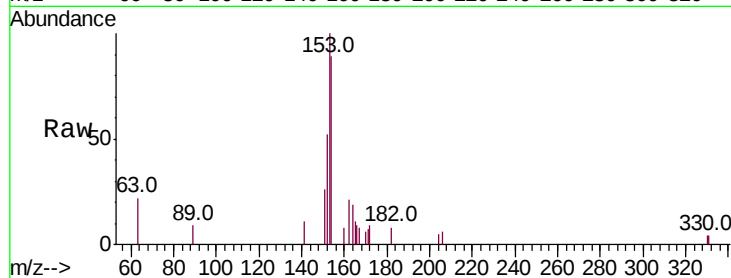
Tot Ion:154 Resp: 1696

Ion Ratio Lower Upper

154 100

153 119.8 91.0 136.4

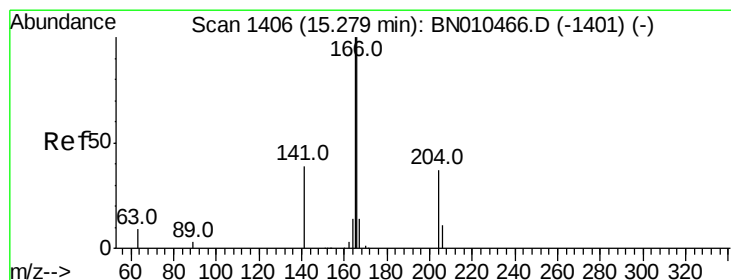
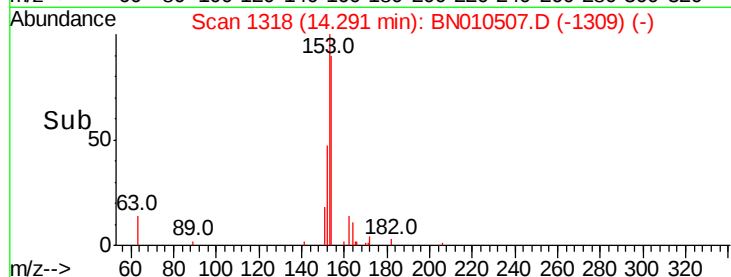
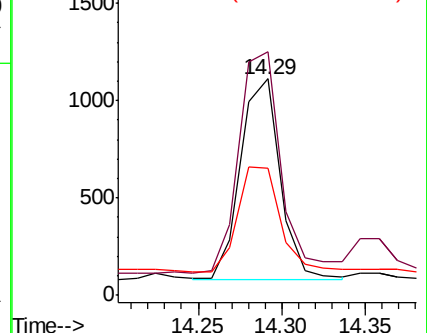
152 59.8 44.6 67.0



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



#18

Fluorene

Concen: 0.042 ng

RT: 15.27 min Scan# 1406

Delta R.T. -0.01 min

Lab File: BN010507.D

Acq: 15 Apr 2020 14:35

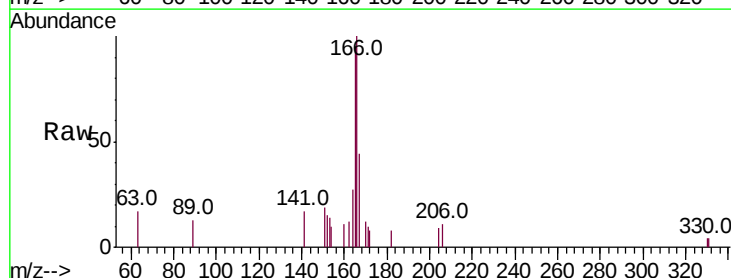
Tgt Ion:166 Resp: 1663

Ion Ratio Lower Upper

166 100

165 90.9 78.4 117.6

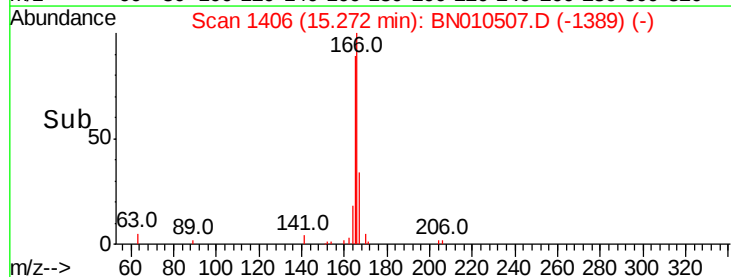
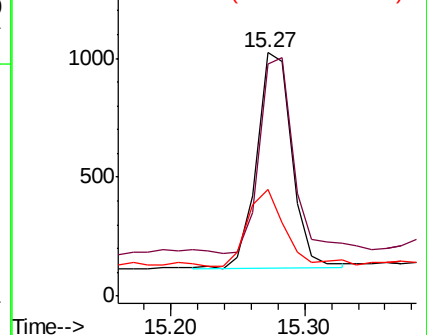
167 37.9 10.9 16.3#

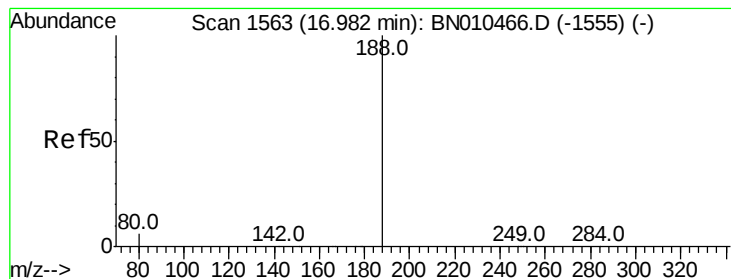


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.97 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BN010507.D

Acq: 15 Apr 2020 14:35

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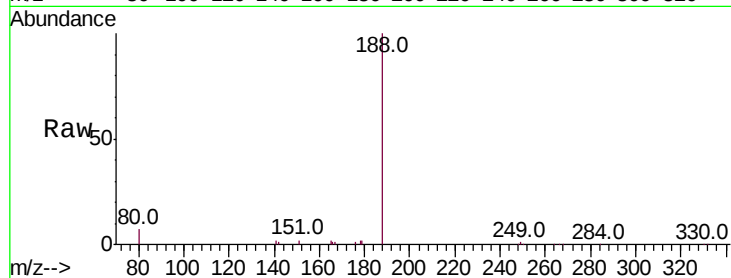
Tot Ion:188 Resp: 25240

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

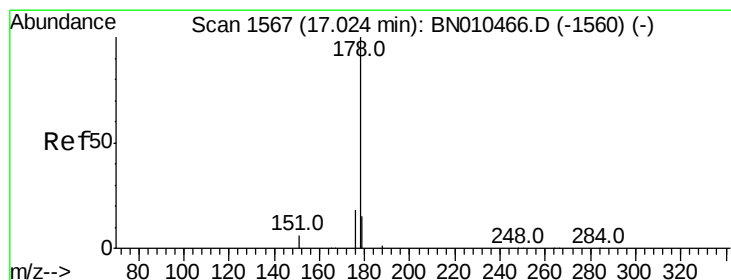
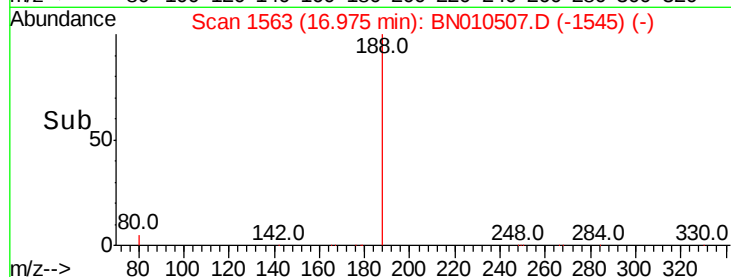
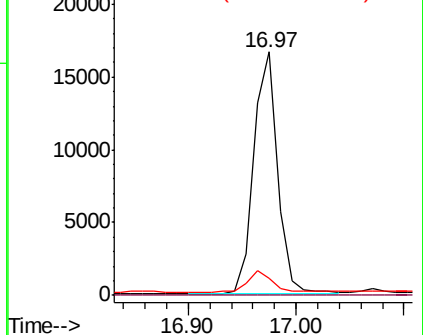
80 6.9 5.0 7.6



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



#23

Phenanthrene

Concen: 0.305 ng

RT: 17.10 min Scan# 1575

Delta R.T. 0.08 min

Lab File: BN010507.D

Acq: 15 Apr 2020 14:35

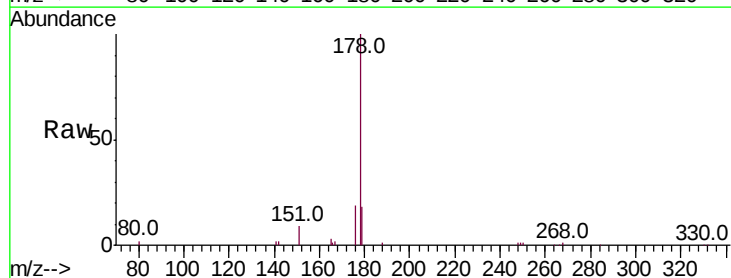
Tgt Ion:178 Resp: 20808

Ion Ratio Lower Upper

178 100

176 18.1 15.0 22.4

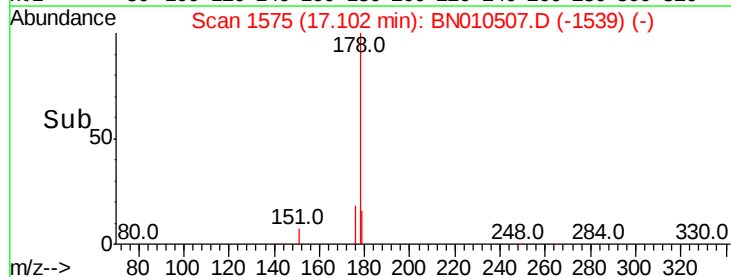
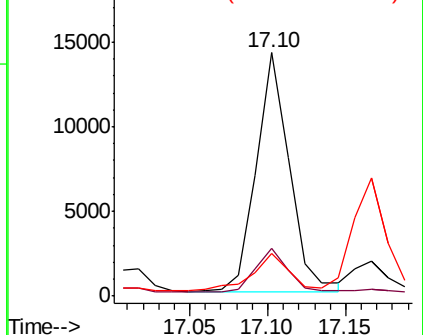
179 18.0 12.6 18.8

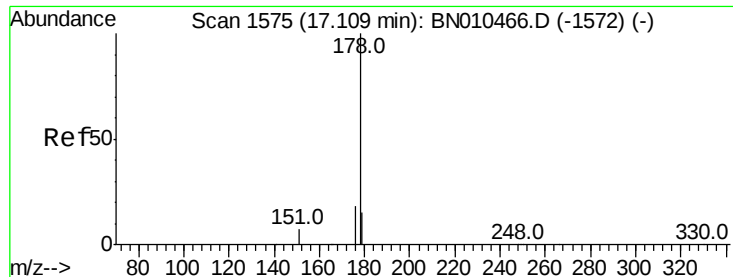


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



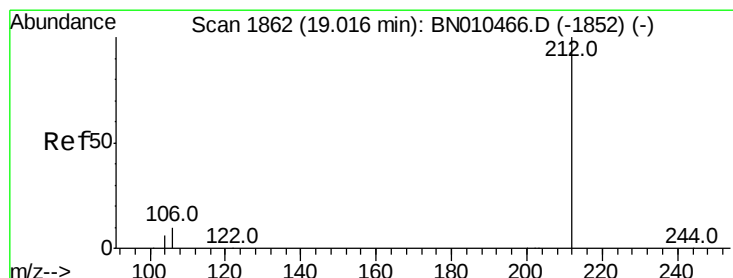
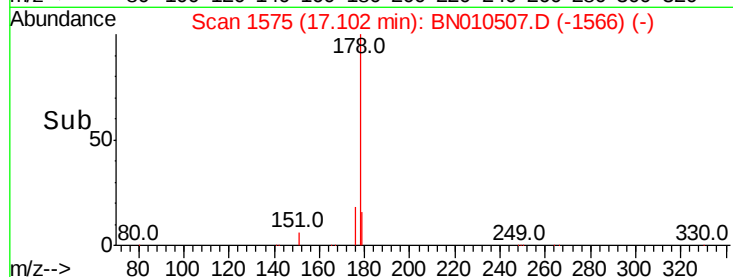
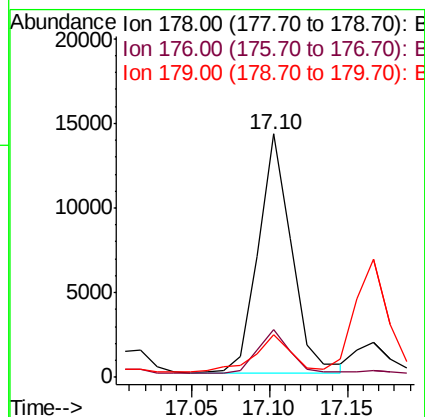
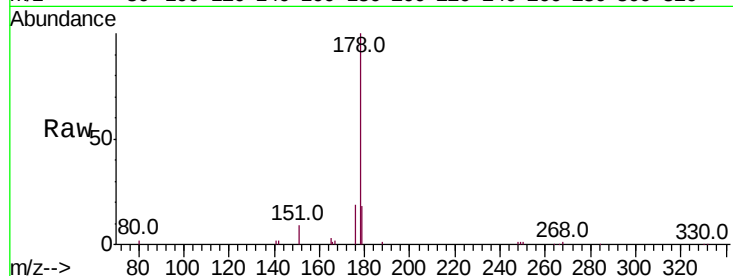


#24
 Anthracene
 Concen: 0.333 ng
 RT: 17.10 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BN010507.D
 Acq: 15 Apr 2020 14:35

Instrument :
 BNA_N
 ClientSampleId :
 MW-1DRE

Tot Ion:178 Resp: 20764

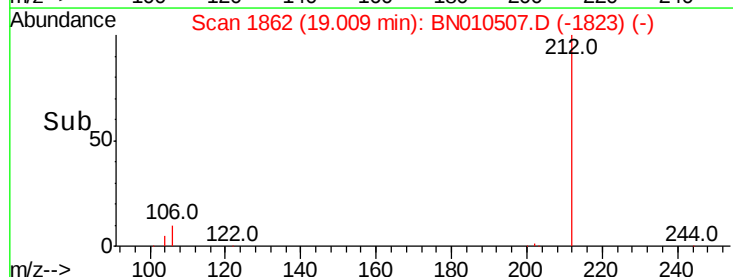
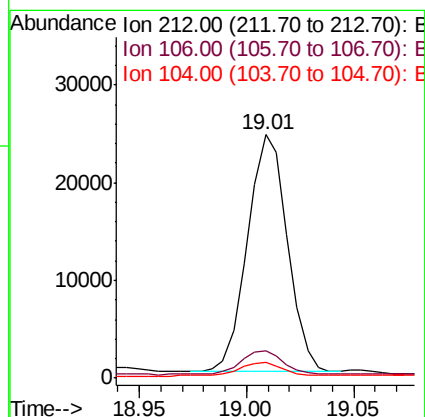
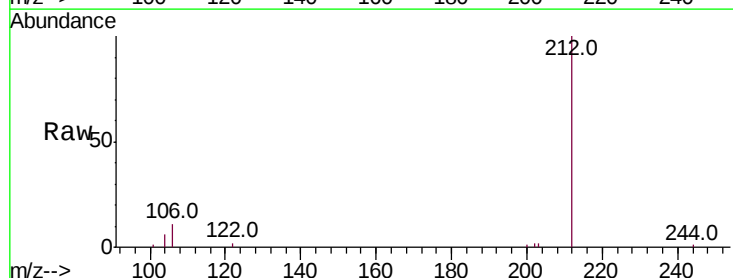
Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	18.0	12.2	18.2

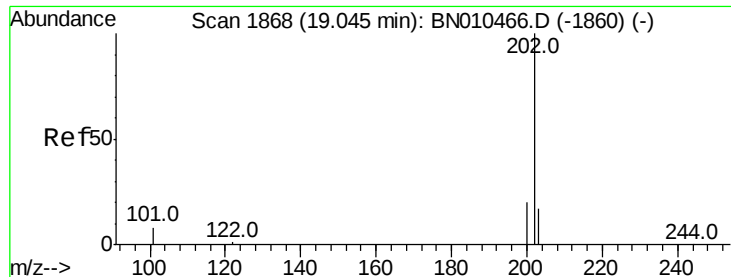


#25
 Fluoranthene-d10
 Concen: 0.410 ng
 RT: 19.01 min Scan# 1862
 Delta R.T. -0.01 min
 Lab File: BN010507.D
 Acq: 15 Apr 2020 14:35

Tgt Ion:212 Resp: 31395

Ion	Ratio	Lower	Upper
212	100		
106	10.7	7.8	11.6
104	6.2	4.5	6.7

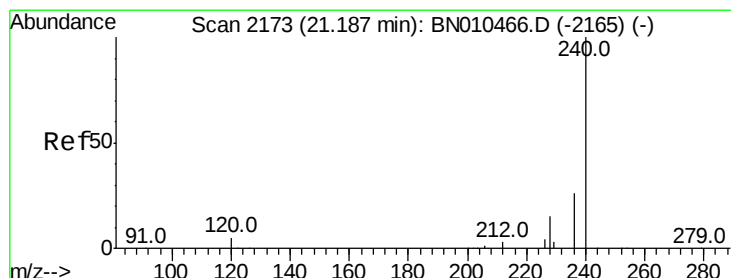
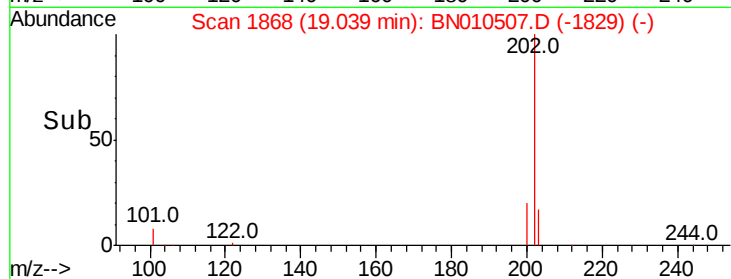
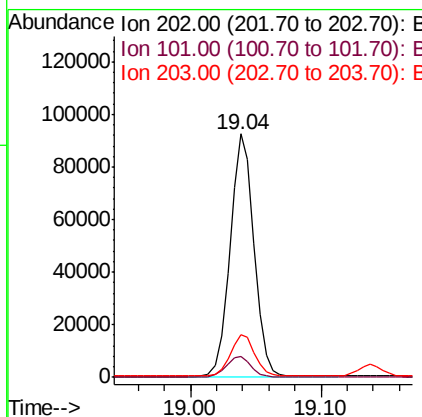
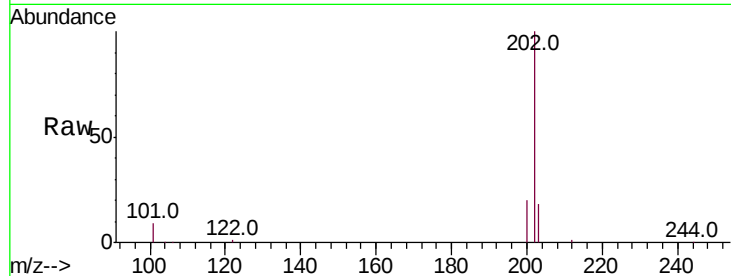




#26
 Fluoranthene
 Concen: 1.385 ng
 RT: 19.04 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: BN010507.D
 Acq: 15 Apr 2020 14:35

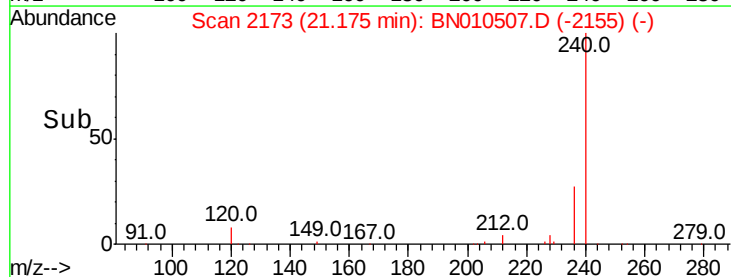
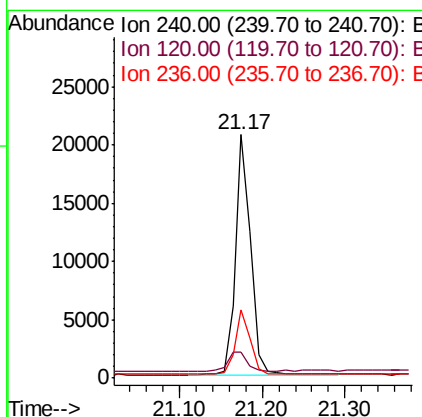
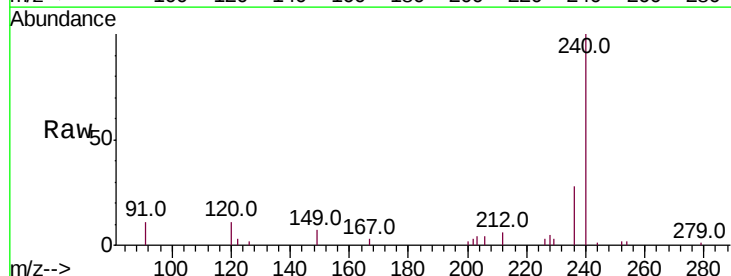
Instrument :
 BNA_N
 ClientSampleId :
 MW-1DRE

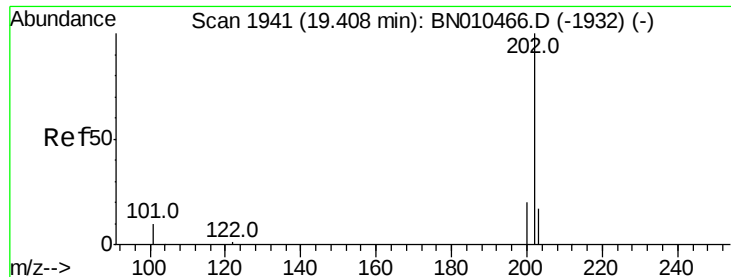
Tot Ion:202 Resp: 117483
 Ion Ratio Lower Upper
 202 100
 101 8.5 6.9 10.3
 203 17.3 13.9 20.9



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.17 min Scan# 2173
 Delta R.T. -0.01 min
 Lab File: BN010507.D
 Acq: 15 Apr 2020 14:35

Tgt Ion:240 Resp: 26723
 Ion Ratio Lower Upper
 240 100
 120 10.7 4.8 7.2#
 236 28.1 21.4 32.0

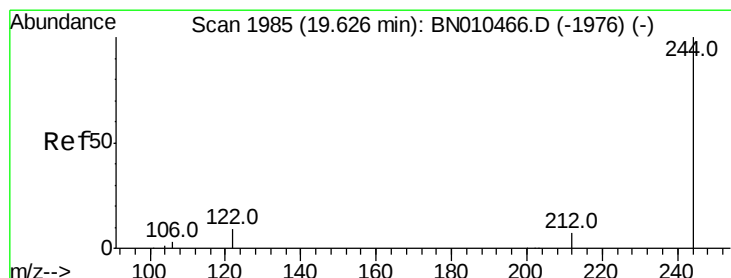
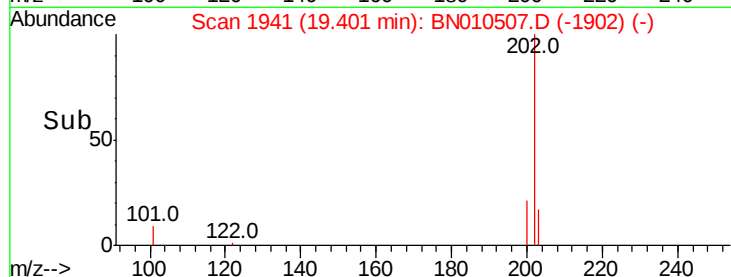
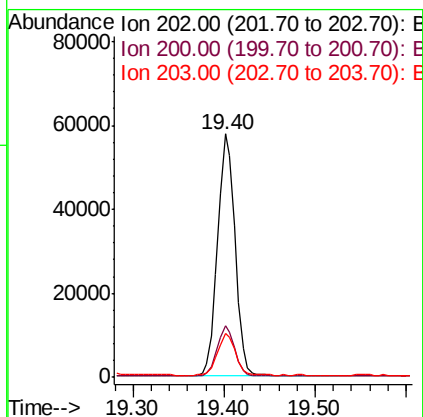
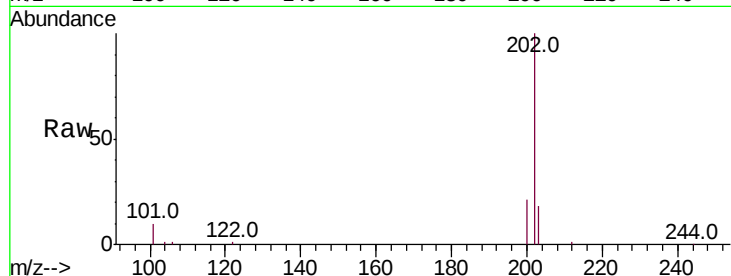




#28
Pvrene
Concen: 0.841 ng
RT: 19.40 min Scan# 1941
Delta R.T. -0.01 min
Lab File: BN010507.D
Acq: 15 Apr 2020 14:35

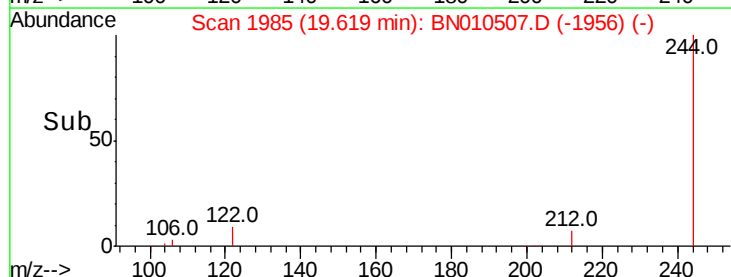
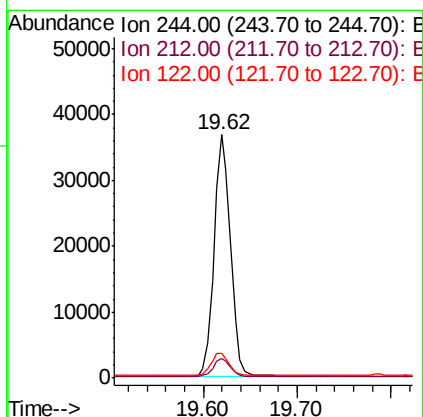
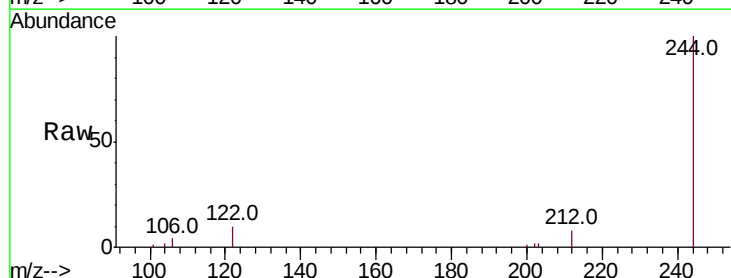
Instrument :
BNA_N
ClientSampleId :
MW-1DRE

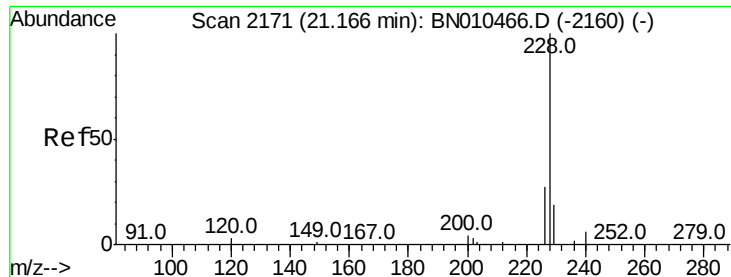
Tot Ion:202 Resp: 75663
Ion Ratio Lower Upper
202 100
200 20.6 16.3 24.5
203 17.7 14.0 21.0



#29
Terphenyl-d14
Concen: 0.736 ng
RT: 19.62 min Scan# 1985
Delta R.T. -0.01 min
Lab File: BN010507.D
Acq: 15 Apr 2020 14:35

Tgt Ion:244 Resp: 44997
Ion Ratio Lower Upper
244 100
212 8.1 6.2 9.4
122 10.3 7.8 11.8

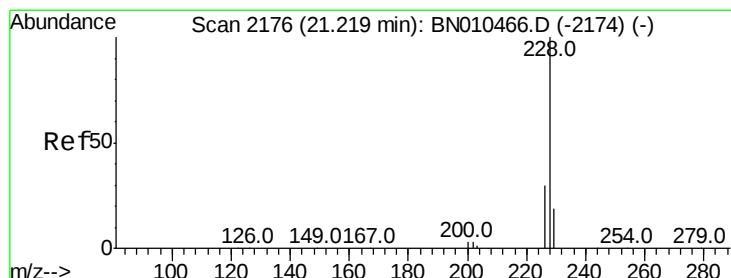
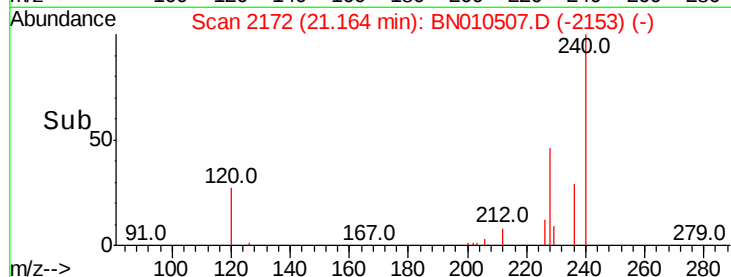
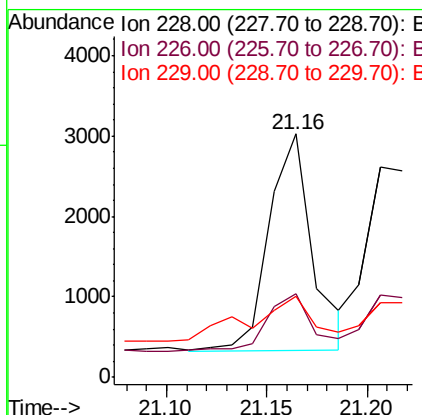
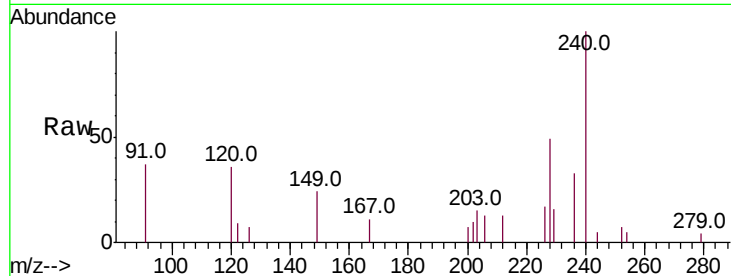




#30
Benzo(a)anthracene
Concen: 0.046 ng
RT: 21.16 min Scan# 2172
Delta R.T. -0.00 min
Lab File: BN010507.D
Acq: 15 Apr 2020 14:35

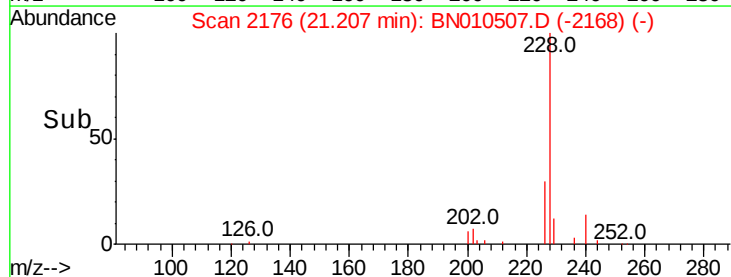
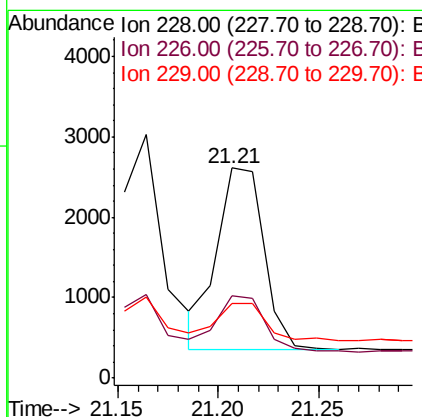
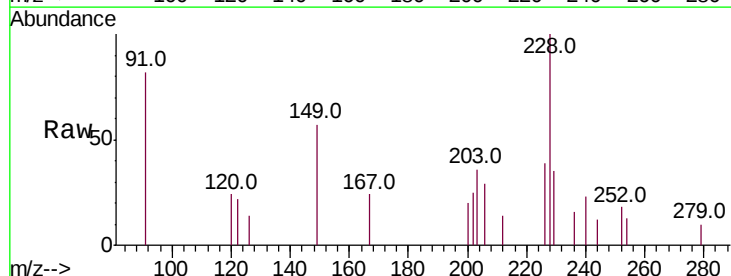
Instrument :
BNA_N
ClientSampleId :
MW-1DRE

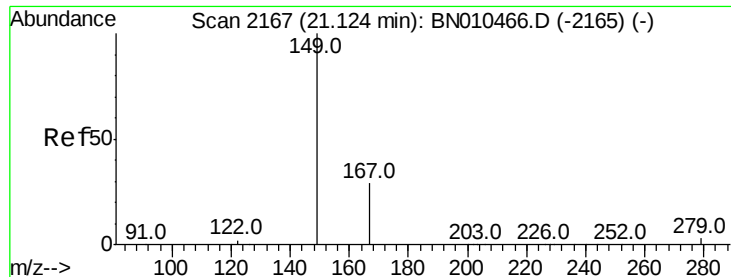
Tot Ion:228 Resp: 4053
Ion Ratio Lower Upper
228 100
226 34.2 21.7 32.5#
229 33.3 15.6 23.4#



#31
Chrysene
Concen: 0.043 ng
RT: 21.21 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BN010507.D
Acq: 15 Apr 2020 14:35

Tgt Ion:228 Resp: 3731
Ion Ratio Lower Upper
228 100
226 39.1 24.0 36.0#
229 35.3 15.8 23.6#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.064 ng

RT: 21.12 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BN010507.D

Acq: 15 Apr 2020 14:35

Instrument :

BNA_N

ClientSampleId :

MW-1DRE

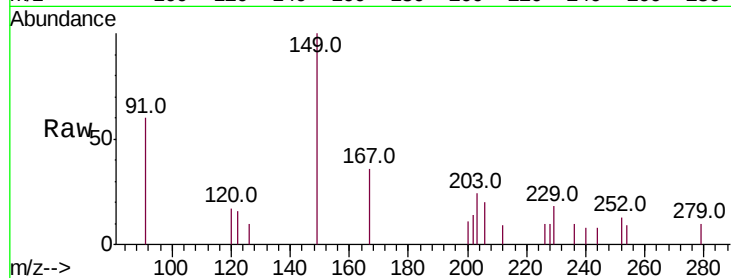
Tot Ion:149 Resp: 2872

Ion Ratio Lower Upper

149 100

167 29.9 23.4 35.0

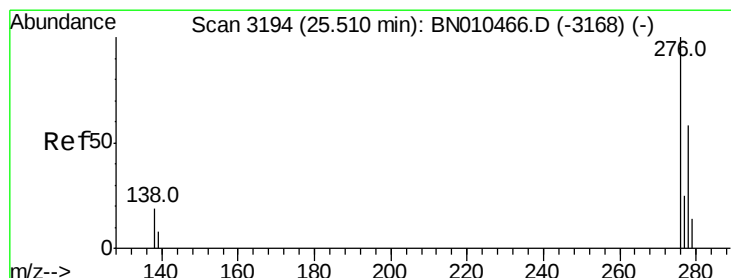
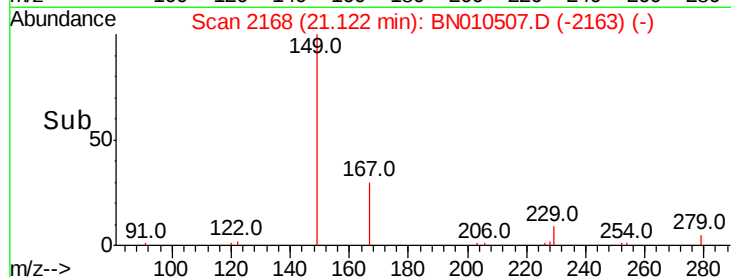
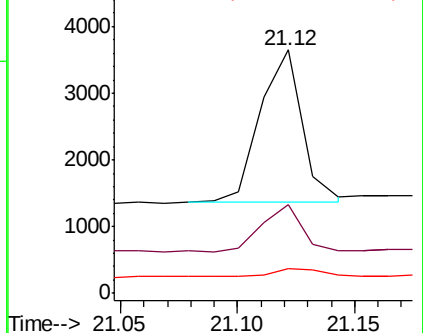
279 5.4 4.0 6.0



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: 0.023 ng

RT: 25.49 min Scan# 3191

Delta R.T. -0.02 min

Lab File: BN010507.D

Acq: 15 Apr 2020 14:35

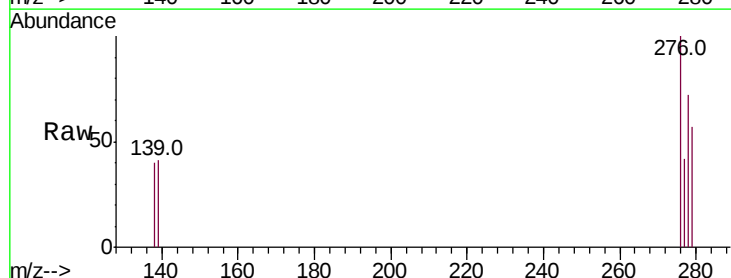
Tgt Ion:276 Resp: 1744

Ion Ratio Lower Upper

276 100

138 23.8 16.4 24.6

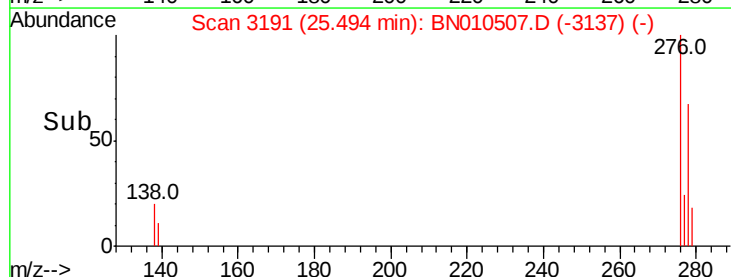
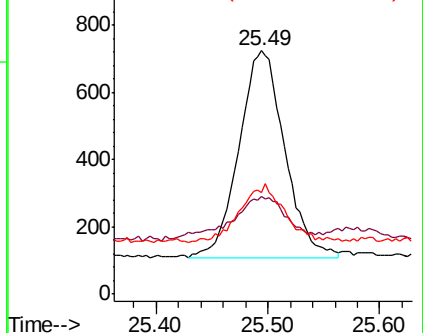
277 27.4 19.8 29.6

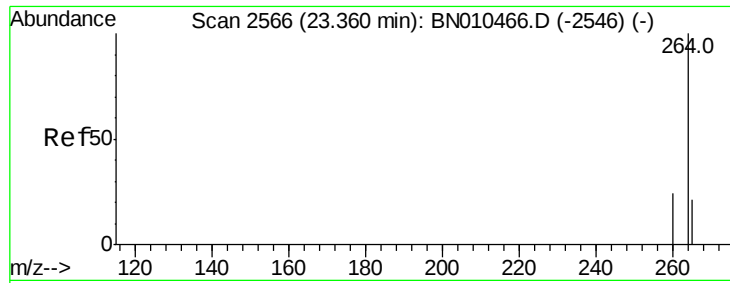


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

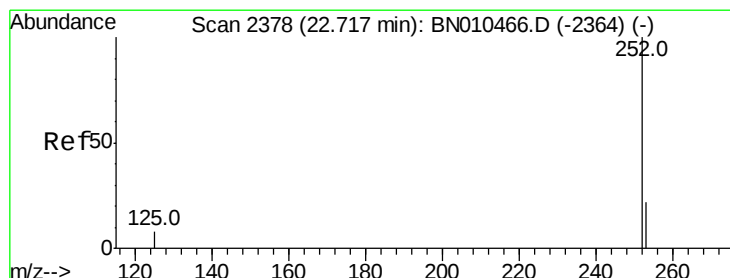
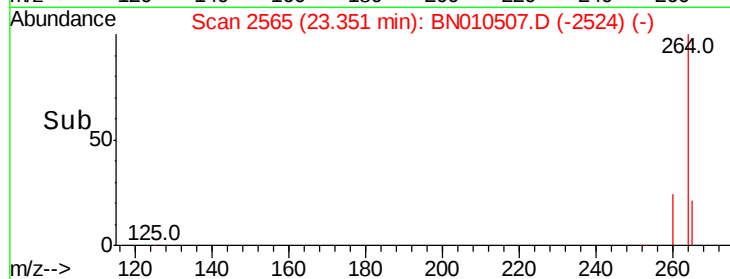
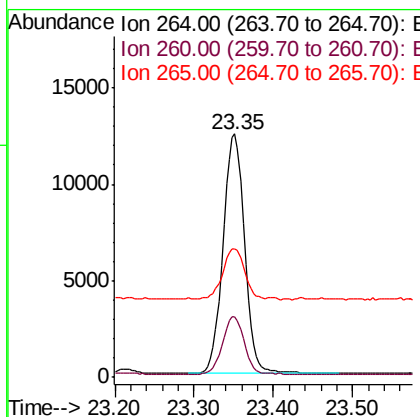
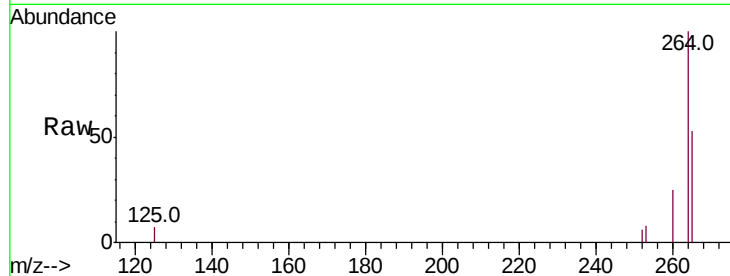




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.35 min Scan# 2565
 Delta R.T. -0.01 min
 Lab File: BN010507.D
 Acq: 15 Apr 2020 14:35

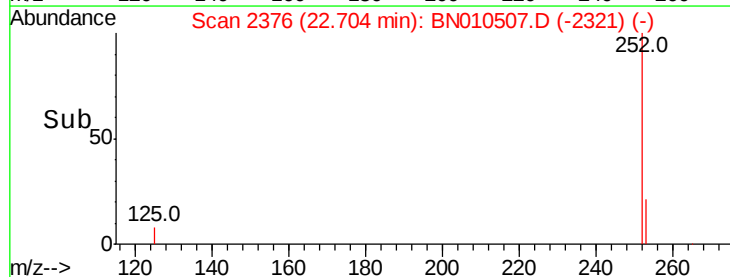
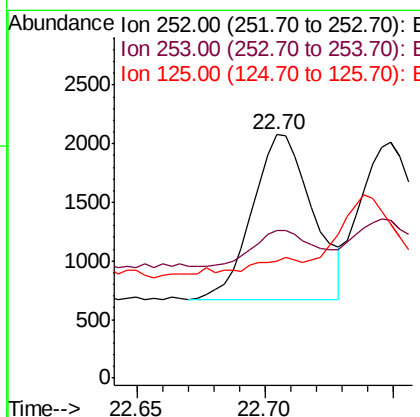
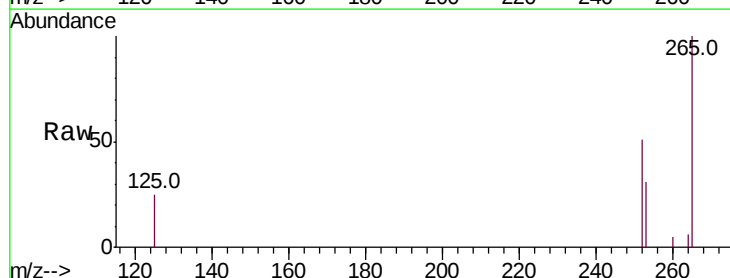
Instrument :
 BNA_N
 ClientSampleId :
 MW-1DRE

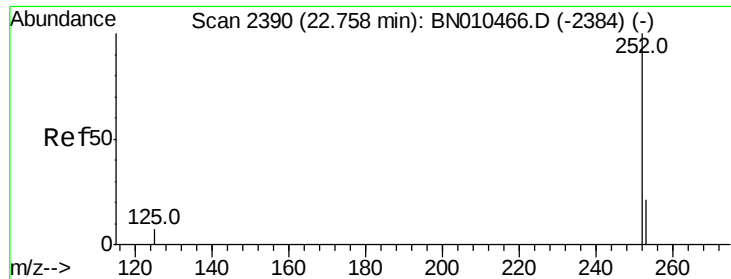
Tot Ion:264 Resp: 23382
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.8 29.8
 265 52.8 42.3 63.5



#35
 Benzo(b)fluoranthene
 Concen: 0.030 ng
 RT: 22.70 min Scan# 2376
 Delta R.T. -0.01 min
 Lab File: BN010507.D
 Acq: 15 Apr 2020 14:35

Tgt Ion:252 Resp: 2309
 Ion Ratio Lower Upper
 252 100
 253 60.9 20.2 30.4#
 125 48.1 9.2 13.8#





#36

Benzo(k)fluoranthene

Concen: 0.027 ng

RT: 22.75 min Scan# 2389

Delta R.T. -0.01 min

Lab File: BN010507.D

Acq: 15 Apr 2020 14:35

Instrument :

BNA_N

ClientSampleId :

MW-1DRE

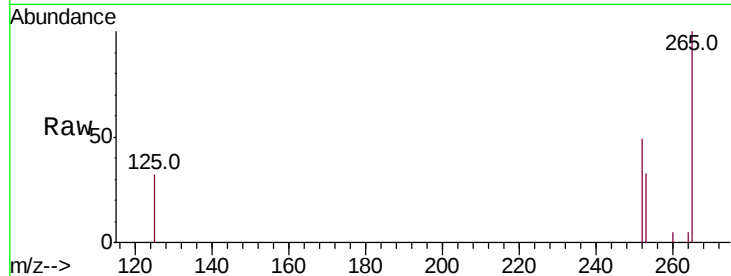
Tot Ion:252 Resp: 2101

Ion Ratio Lower Upper

252 100

253 66.6 20.1 30.1#

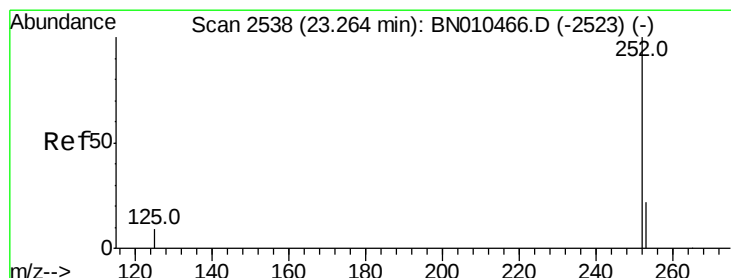
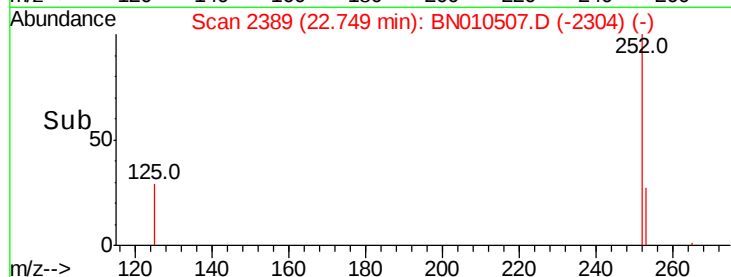
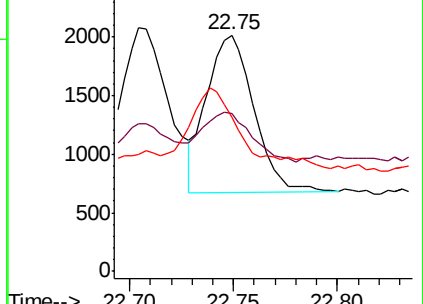
125 65.3 9.6 14.4#



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



#37

Benzo(a)pyrene

Concen: 0.024 ng

RT: 23.26 min Scan# 2537

Delta R.T. -0.01 min

Lab File: BN010507.D

Acq: 15 Apr 2020 14:35

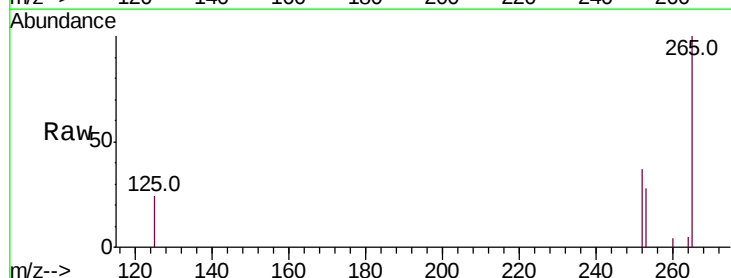
Tgt Ion:252 Resp: 1645

Ion Ratio Lower Upper

252 100

253 75.0 21.8 32.8#

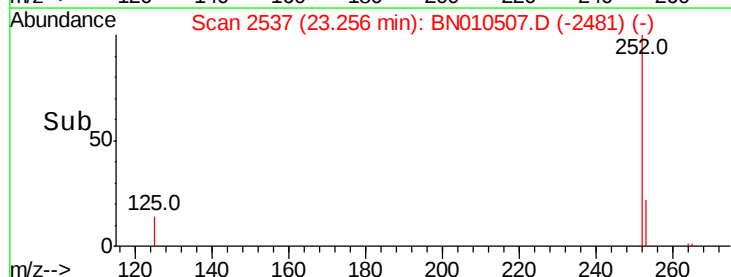
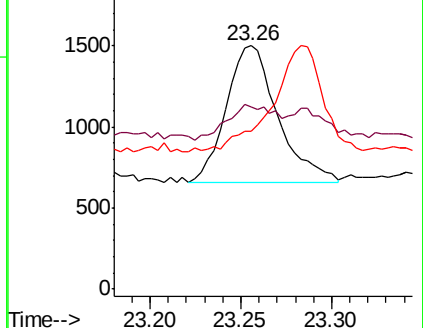
125 64.8 11.0 16.6#

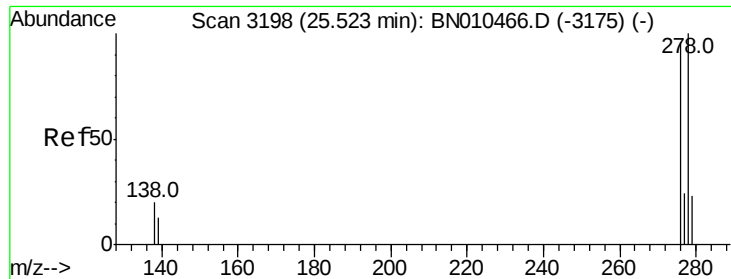


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.021 ng

RT: 25.50 min Scan# 3194

Delta R.T. -0.02 min

Lab File: BN010507.D

Acq: 15 Apr 2020 14:35

Instrument :

BNA_N

ClientSampleId :

MW-1DRE

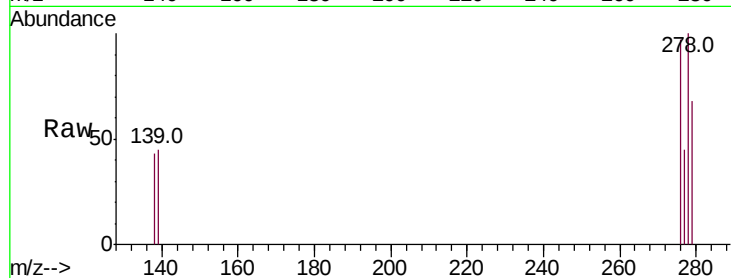
Tot Ion:278 Resp: 1338

Ion Ratio Lower Upper

278 100

139 44.9 12.3 18.5#

279 68.0 21.9 32.9#



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

25.50

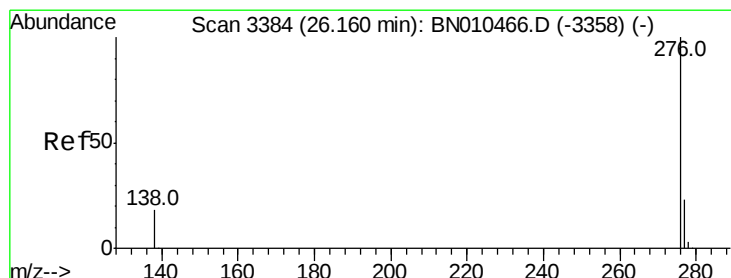
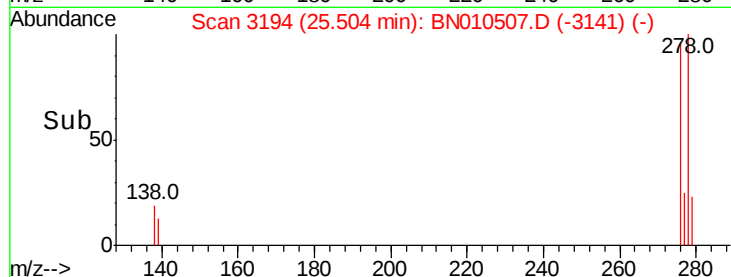
600

400

200

0

Time--> 25.40 25.50 25.60



#39

Benzo(g,h,i)perylene

Concen: 0.027 ng

RT: 26.14 min Scan# 3381

Delta R.T. -0.02 min

Lab File: BN010507.D

Acq: 15 Apr 2020 14:35

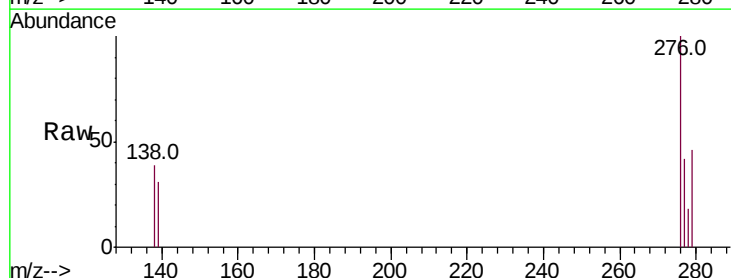
Tgt Ion:276 Resp: 1686

Ion Ratio Lower Upper

276 100

277 42.4 20.2 30.2#

138 38.7 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

26.14

800

600

400

200

0

Time--> 26.00 26.10 26.20

