

Data File : BN007517.D
Acq On : 30 Aug 2019 00:05
Operator : HP/JU
Sample : K4514-02DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
S602-M-1.0-1.5-082319DL

Quant Time: Aug 30 02:02:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 12:18:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	6179	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	28057	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	17341	0.40	ng	0.00
19) Phenanthrene-d10	16.79	188	40155	0.40	ng	0.00
27) Chrysene-d12	21.02	240	38891	0.40	ng	0.00
34) Perylene-d12	23.12	264	33184	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.03	112	1226	0.03	ng	0.00
5) Phenol-d6	6.59	99	1759	0.04	ng	0.00
8) Nitrobenzene-d5	8.53	82	1386	0.06	ng	0.00
11) 2-Methylnaphthalene-d10	11.76	152	2458	0.05	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	528	0.06	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	3232	0.05	ng	0.00
25) Fluoranthene-d10	18.83	212	6352	0.05	ng	-0.01
29) Terphenyl-d14	19.46	244	4489	0.04	ng	-0.01

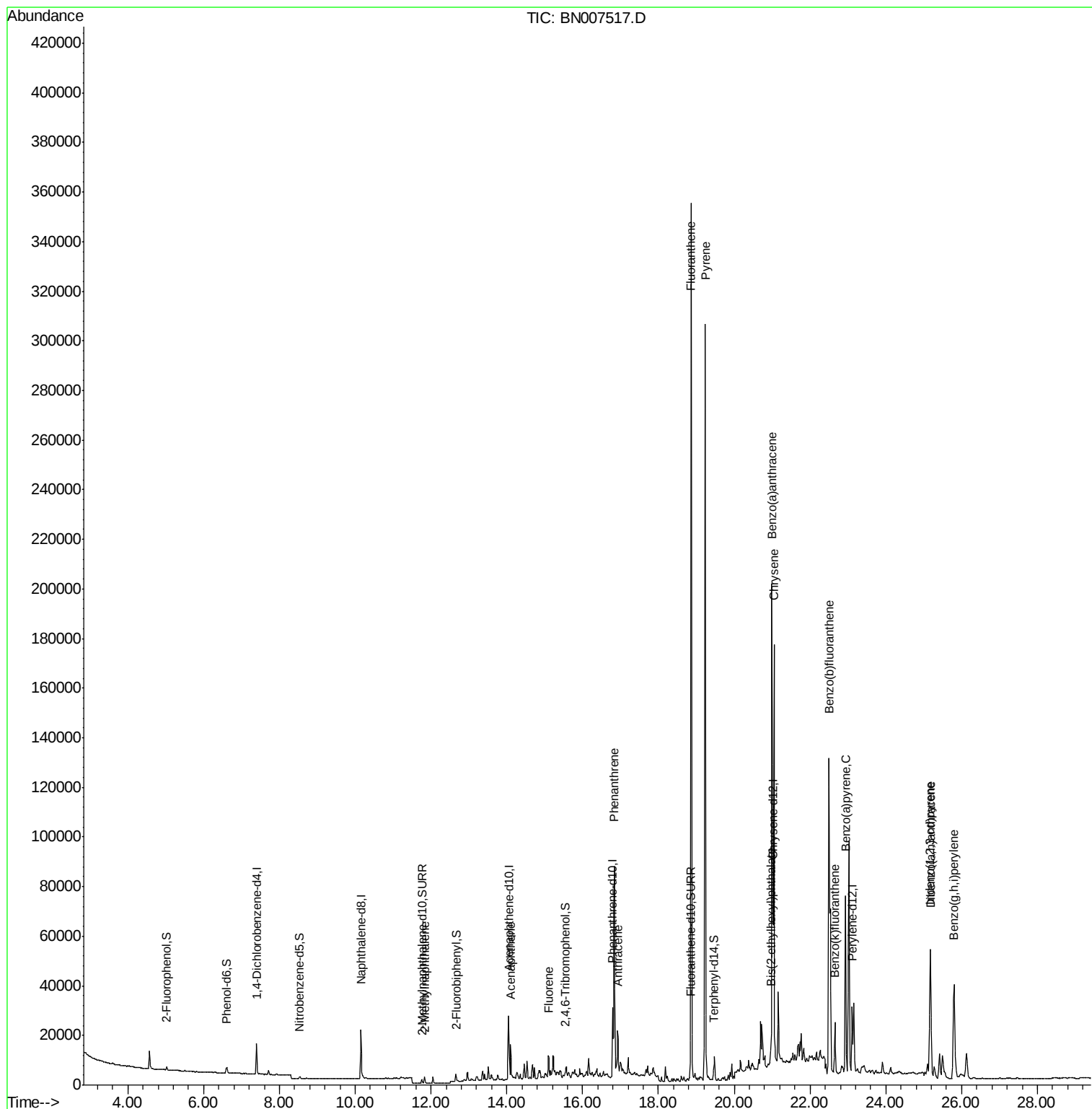
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 2-Methylnaphthalene	11.83	142	2211	0.040	ng	97
17) Acenaphthene	14.10	154	6806	0.113	ng	99
18) Fluorene	15.10	166	5938	0.078	ng	98
23) Phenanthrene	16.84	178	96588	0.800	ng	99
24) Anthracene	16.92	178	18909	0.156	ng	97
26) Fluoranthene	18.86	202	320764	2.068	ng	99
28) Pyrene	19.23	202	280819	1.795	ng	# 95
30) Benzo(a)anthracene	20.99	228	157459	1.031	ng	99
31) Chrysene	21.05	228	153191	1.039	ng	99
32) Bis(2-ethylhexyl)phthalate	20.96	149	5457	0.036	ng	98
33) Indeno(1,2,3-cd)pyrene	25.17	276	79869	0.450	ng	99
35) Benzo(b)fluoranthene	22.50	252	191754	1.595	ng	# 96
36) Benzo(k)fluoranthene	22.66	252	24781	0.209	ng	94
37) Benzo(a)pyrene	22.94	252	88840	0.776	ng	99
38) Dibenzo(a,h)anthracene	25.18	278	21842	0.191	ng	# 90
39) Benzo(g,h,i)perylene	25.80	276	78124	0.687	ng	99

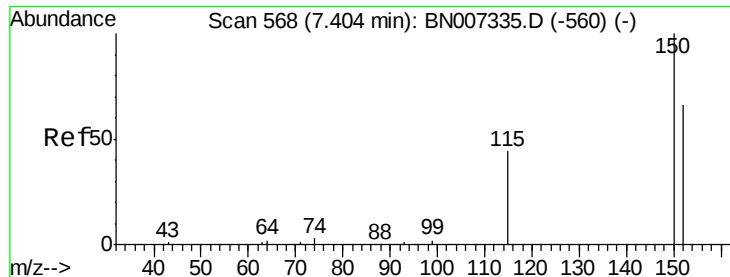
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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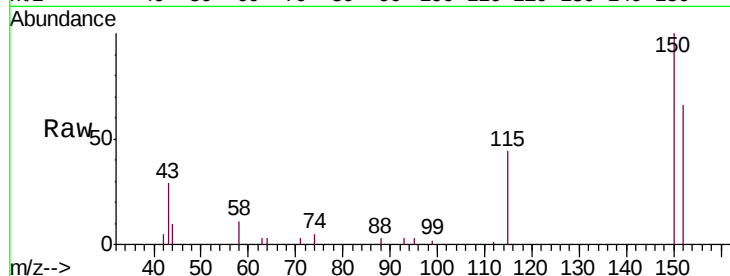


#1

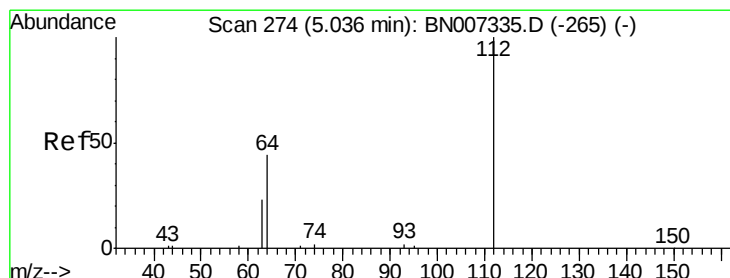
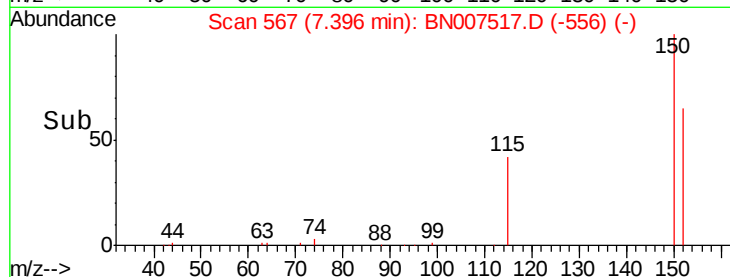
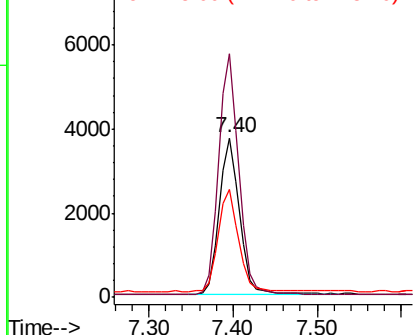
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 567
Delta R.T. -0.01 min
Lab File: BN007517.D
Acq: 30 Aug 2019 00:05

Instrument :
BNA_N
ClientSampleId :
S602-M-1.0-1.5-082319DL

Tgt Ion:152 Resp: 6179
Ion Ratio Lower Upper
152 100
150 152.6 109.1 163.7
115 67.5 59.6 89.4



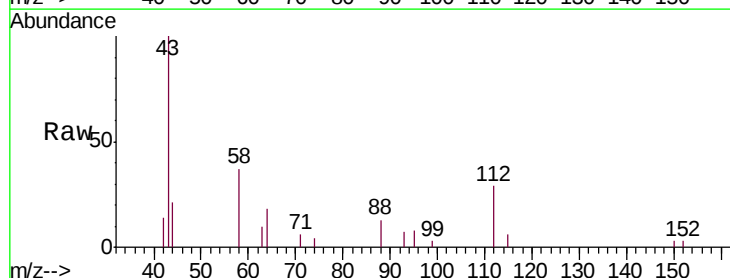
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



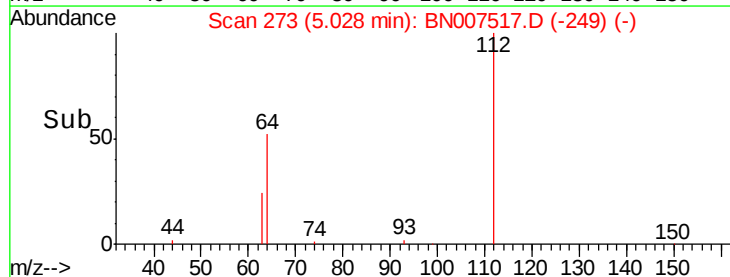
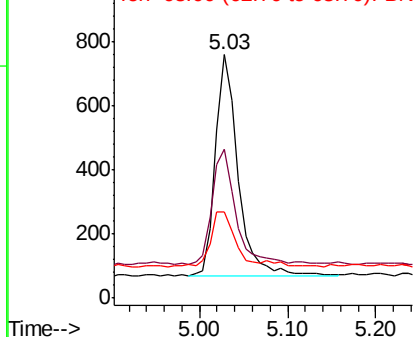
#4

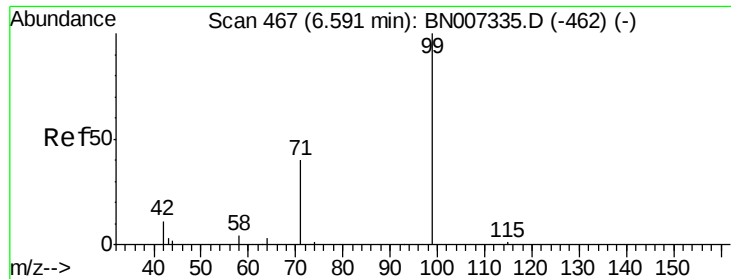
2-Fluorophenol
Concen: 0.031 ng
RT: 5.03 min Scan# 273
Delta R.T. -0.01 min
Lab File: BN007517.D
Acq: 30 Aug 2019 00:05

Tgt Ion:112 Resp: 1226
Ion Ratio Lower Upper
112 100
64 53.7 42.3 63.5
63 27.0 23.6 35.4



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: 0.037 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

Instrument :

BNA_N

ClientSampleId :

S602-M-1.0-1.5-082319DL

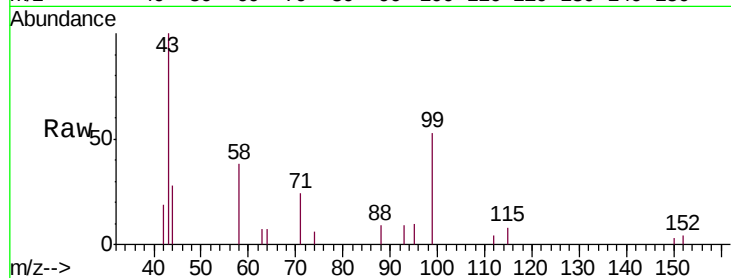
Tgt Ion: 99 Resp: 1759

Ion Ratio Lower Upper

99 100

42 16.0 11.2 16.8

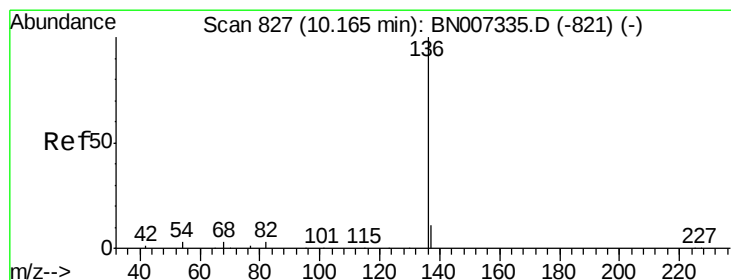
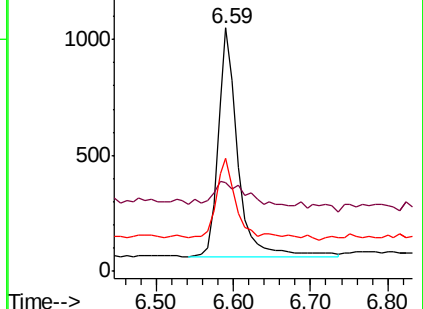
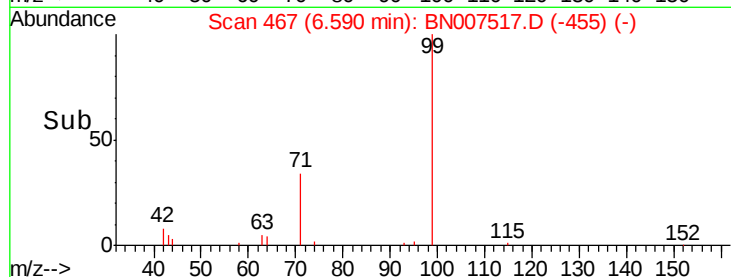
71 34.7 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN007517.D (-455) (-)

Ion 42.00 (41.70 to 42.70): BN007517.D (-455) (-)

Ion 71.00 (70.70 to 71.70): BN007517.D (-455) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

Tgt Ion: 136 Resp: 28057

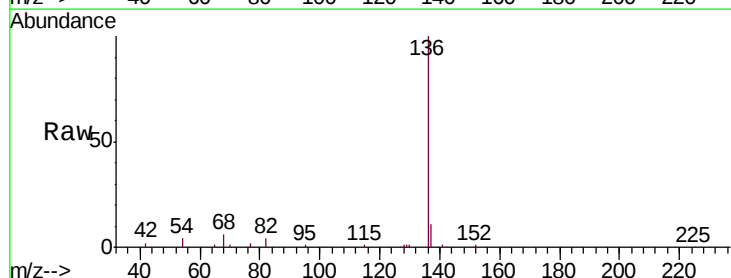
Ion Ratio Lower Upper

136 100

137 11.3 12.9 19.3#

54 4.2 8.6 12.8#

68 6.0 17.0 25.4#

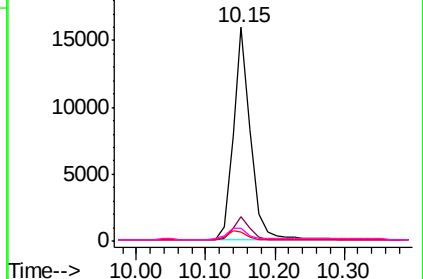
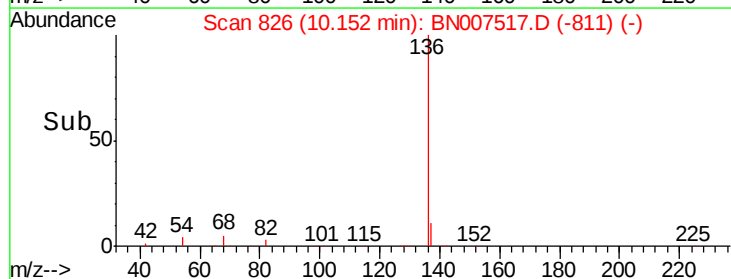


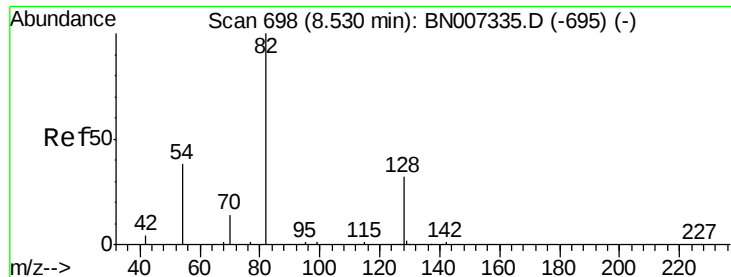
Abundance Ion 136.00 (135.70 to 136.70): BN007517.D (-811) (-)

Ion 137.00 (136.70 to 137.70): BN007517.D (-811) (-)

Ion 54.00 (53.70 to 54.70): BN007517.D (-811) (-)

Ion 68.00 (67.70 to 68.70): BN007517.D (-811) (-)





#8

Nitrobenzene-d5

Concen: 0.057 ng

RT: 8.53 min Scan# 698

Delta R.T. 0.00 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

Instrument :

BNA_N

ClientSampleId :

S602-M-1.0-1.5-082319DL

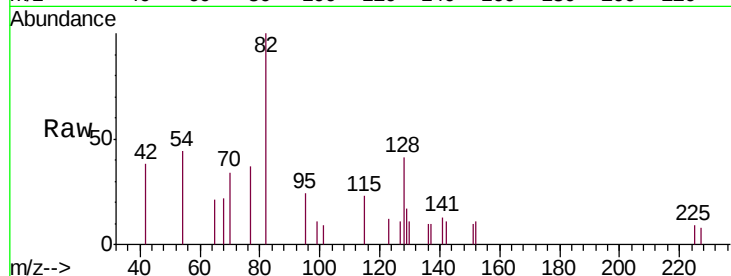
Tgt Ion: 82 Resp: 1386

Ion Ratio Lower Upper

82 100

128 41.3 19.7 29.5#

54 44.0 25.8 38.6#

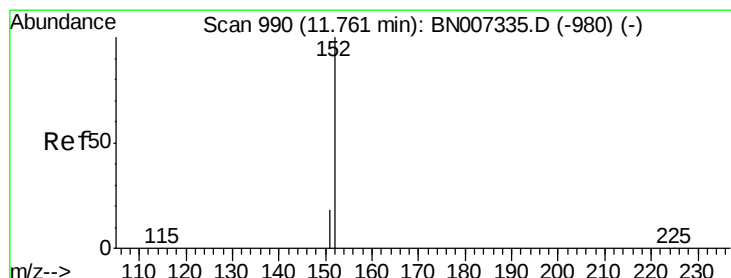
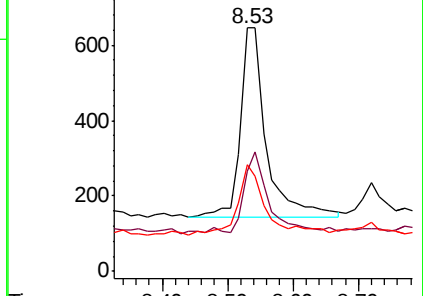
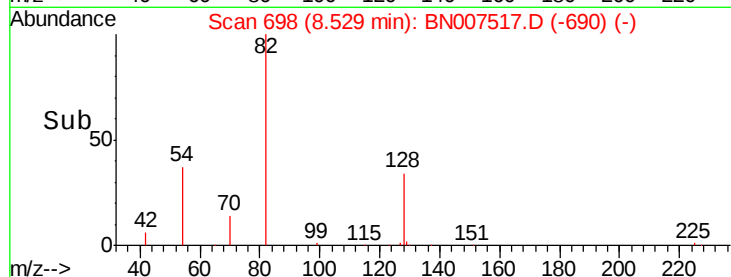


Abundance Ion 82.00 (81.70 to 82.70): BN007517.D (-690) (-)

Ion 128.00 (127.70 to 128.70): BN007517.D (-690) (-)

Ion 54.00 (53.70 to 54.70): BN007517.D (-690) (-)

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.053 ng

RT: 11.76 min Scan# 989

Delta R.T. -0.00 min

Lab File: BN007517.D

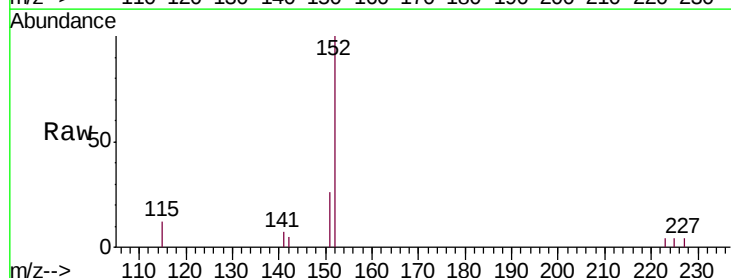
Acq: 30 Aug 2019 00:05

Tgt Ion: 152 Resp: 2458

Ion Ratio Lower Upper

152 100

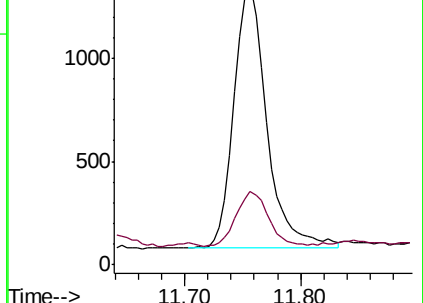
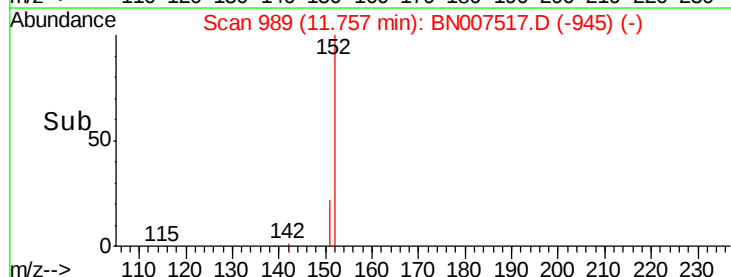
151 20.9 16.2 24.2

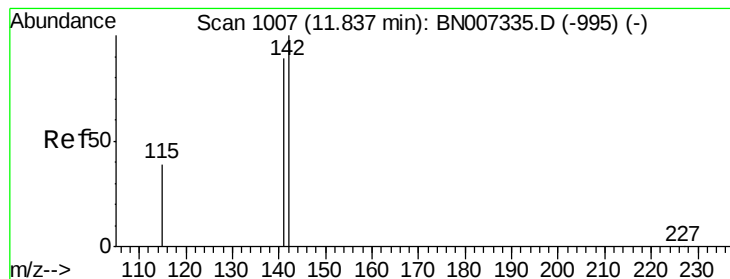


Abundance Ion 152.00 (151.70 to 152.70): BN007517.D (-945) (-)

Ion 151.00 (150.70 to 151.70): BN007517.D (-945) (-)

Time-->





#12

2-Methylnaphthalene

Concen: 0.040 ng

RT: 11.83 min Scan# 1006

Delta R.T. -0.00 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

Instrument :

BNA_N

ClientSampleId :

S602-M-1.0-1.5-082319DL

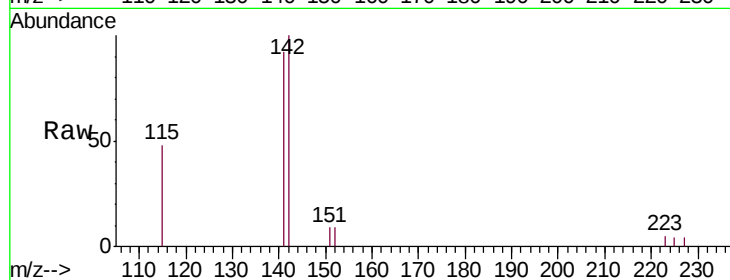
Tgt Ion:142 Resp: 2211

Ion Ratio Lower Upper

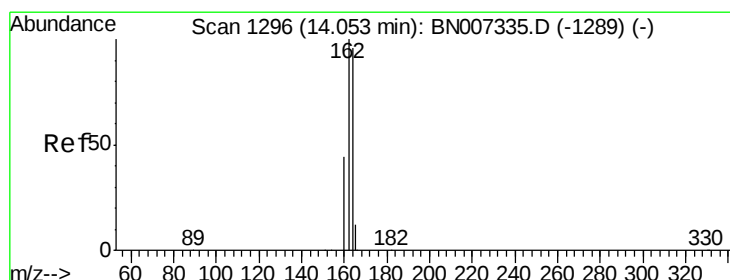
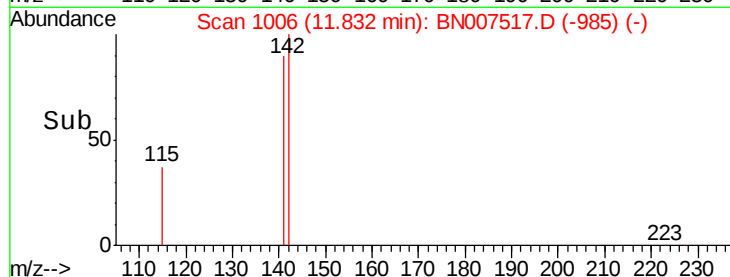
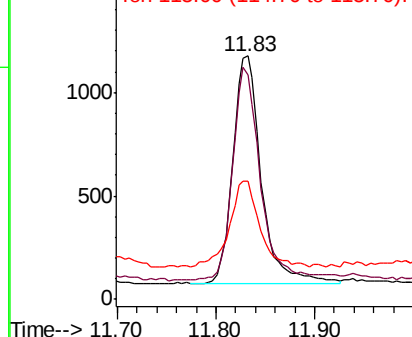
142 100

141 92.3 72.8 109.2

115 48.4 35.2 52.8



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



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

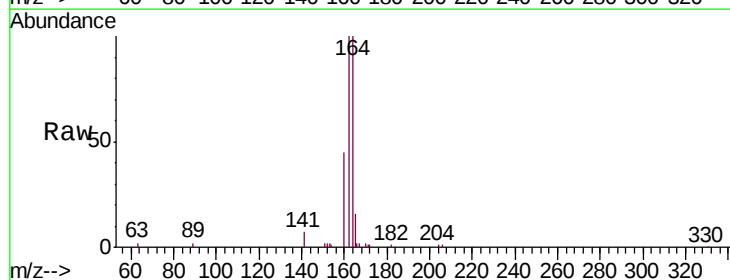
Tgt Ion:164 Resp: 17341

Ion Ratio Lower Upper

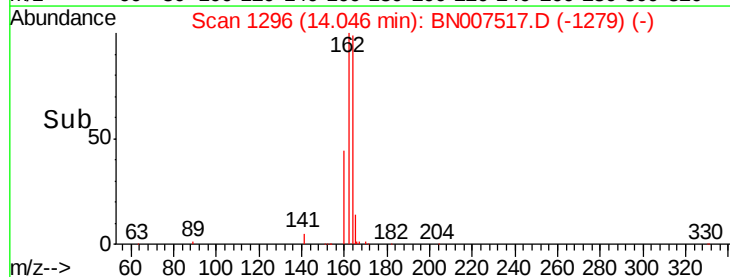
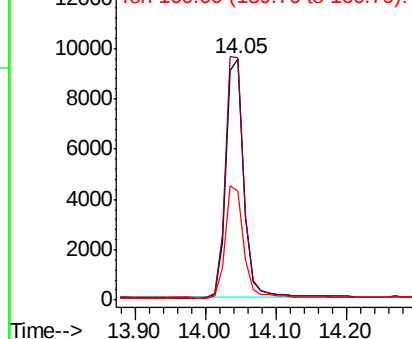
164 100

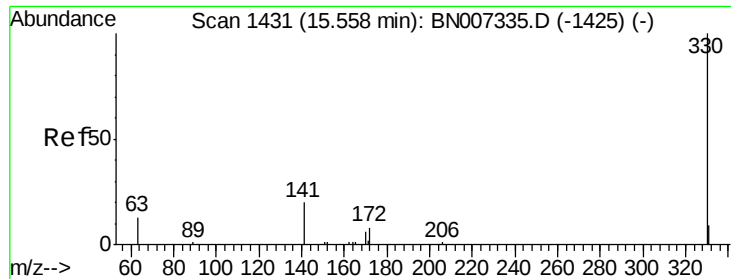
162 100.2 83.5 125.3

160 45.1 38.2 57.4



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

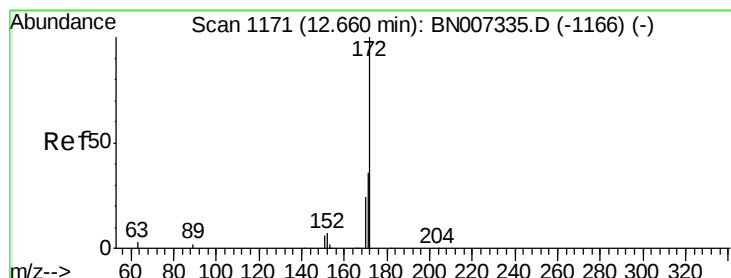
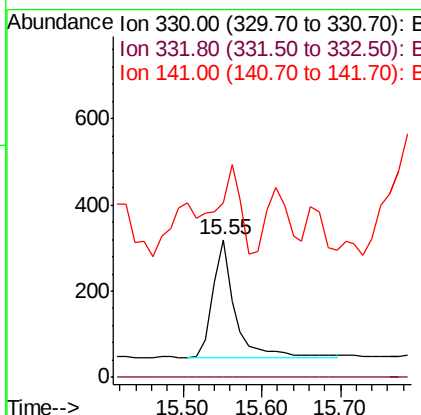
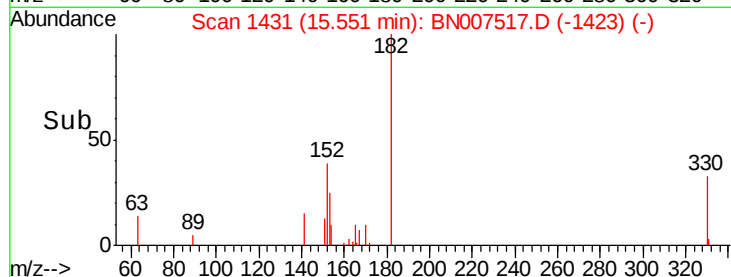
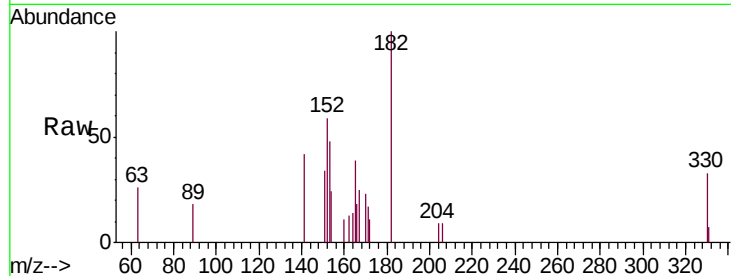




#14
 2,4,6-Tribromophenol
 Concen: 0.058 ng
 RT: 15.55 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BN007517.D
 Acq: 30 Aug 2019 00:05

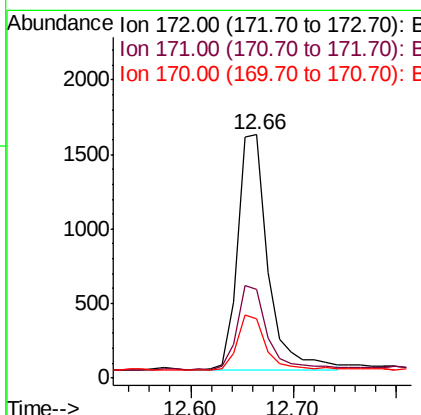
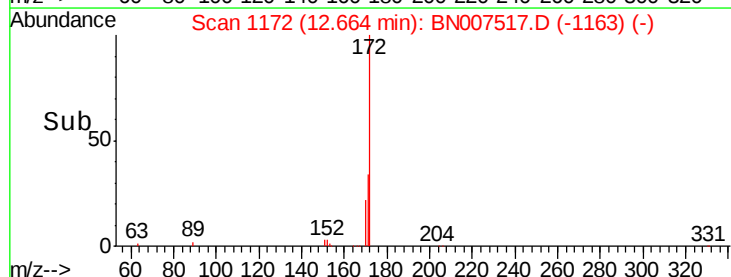
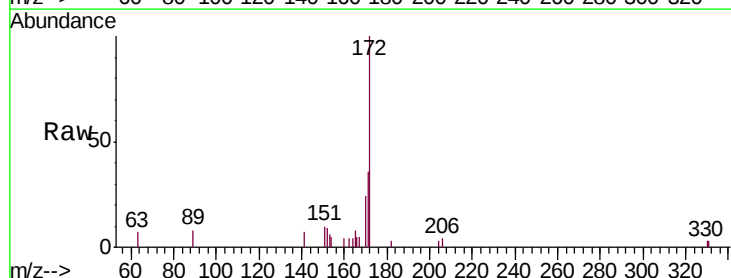
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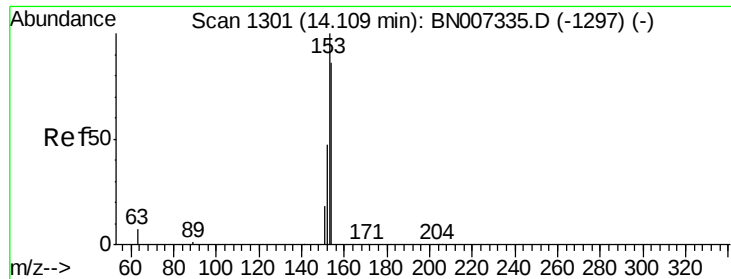
Tgt Ion: 330 Resp: 528
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 69.3 26.9 40.3#



#15
 2-Fluorobiphenyl
 Concen: 0.046 ng
 RT: 12.66 min Scan# 1172
 Delta R.T. 0.01 min
 Lab File: BN007517.D
 Acq: 30 Aug 2019 00:05

Tgt Ion: 172 Resp: 3232
 Ion Ratio Lower Upper
 172 100
 171 36.5 30.3 45.5
 170 24.5 20.7 31.1

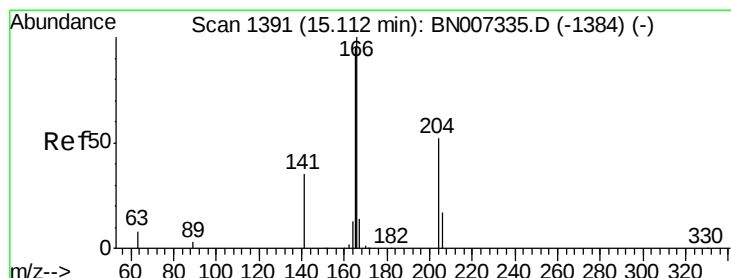
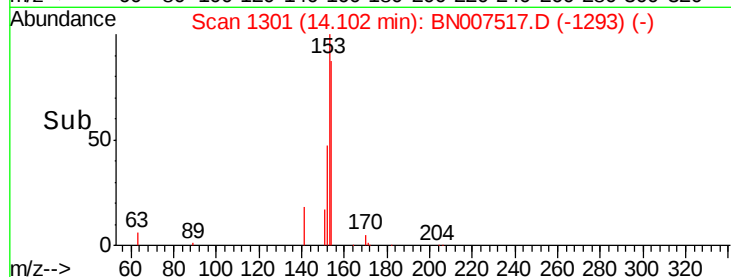
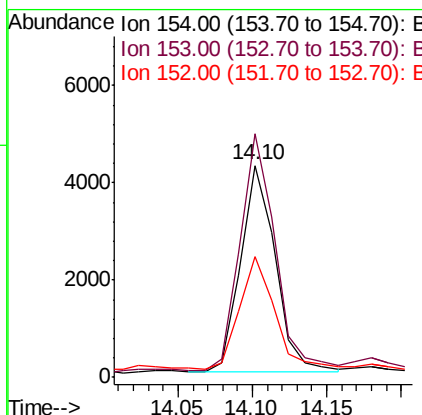
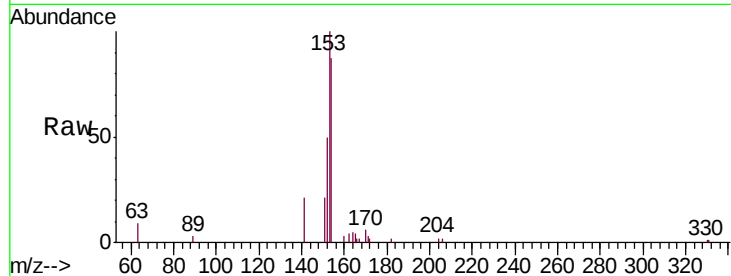




#17
Acenaphthene
Concen: 0.113 ng
RT: 14.10 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BN007517.D
Acq: 30 Aug 2019 00:05

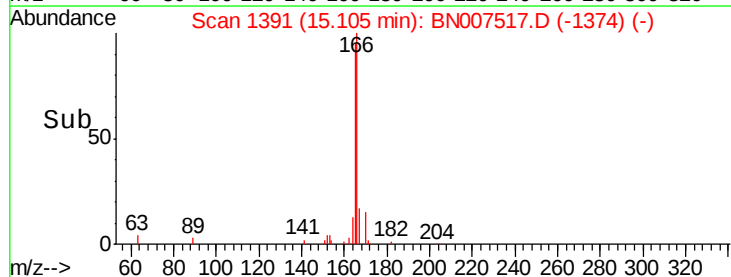
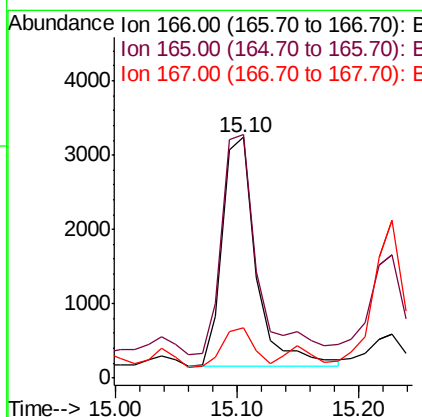
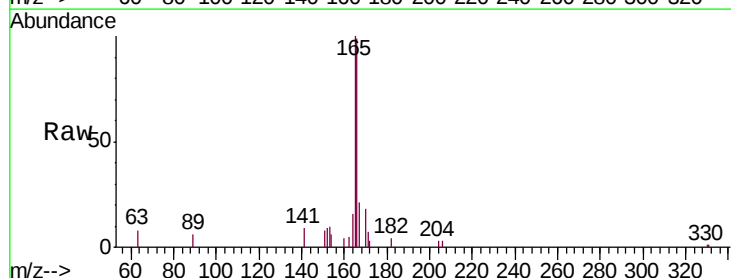
Instrument :
BNA_N
ClientSampleId :
S602-M-1.0-1.5-082319DL

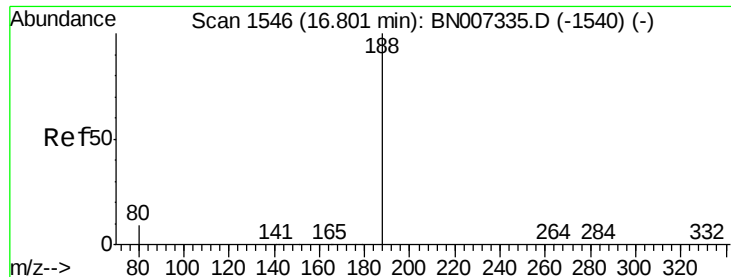
Tgt Ion:154 Resp: 6806
Ion Ratio Lower Upper
154 100
153 116.8 92.8 139.2
152 56.0 43.8 65.8



#18
Fluorene
Concen: 0.078 ng
RT: 15.10 min Scan# 1391
Delta R.T. -0.01 min
Lab File: BN007517.D
Acq: 30 Aug 2019 00:05

Tgt Ion:166 Resp: 5938
Ion Ratio Lower Upper
166 100
165 100.4 79.0 118.4
167 15.5 10.6 15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.79 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

Instrument :

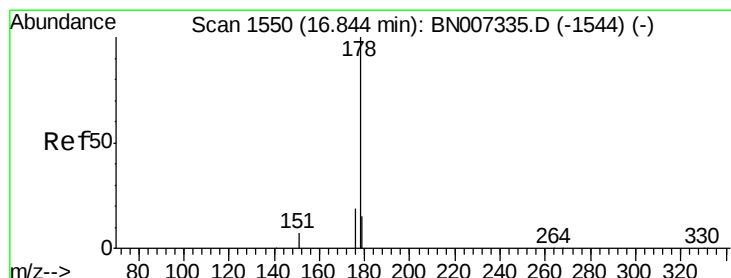
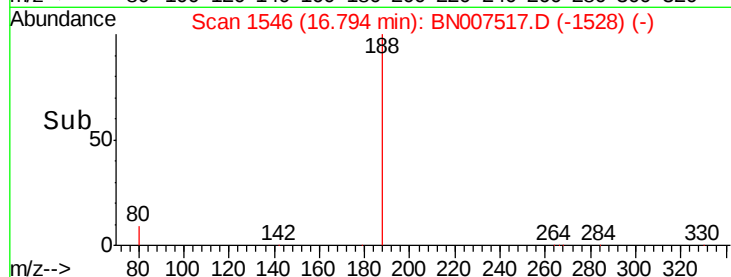
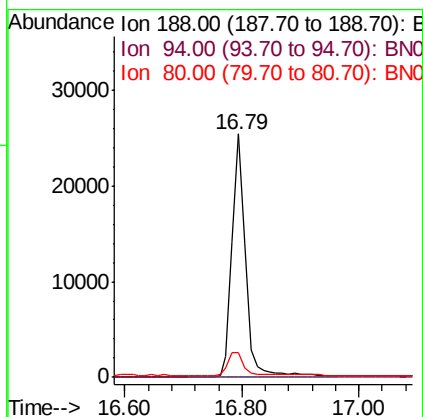
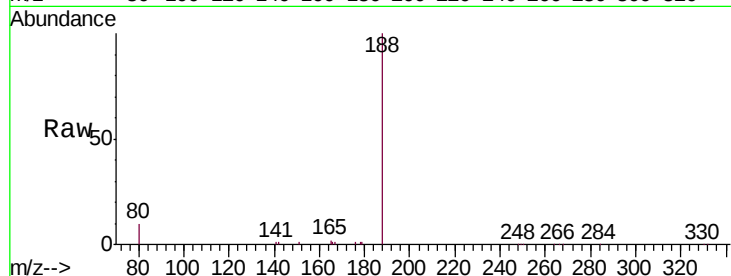
BNA_N

ClientSampleId :

S602-M-1.0-1.5-082319DL

Tgt Ion:188 Resp: 40155

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.0	11.8	17.8#



#23

Phenanthrene

Concen: 0.800 ng

RT: 16.84 min Scan# 1550

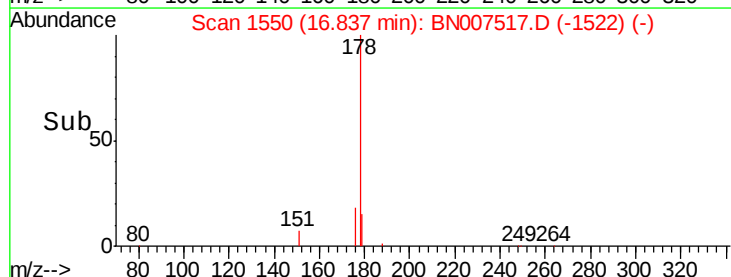
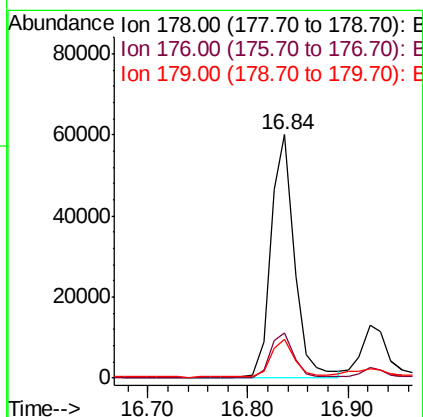
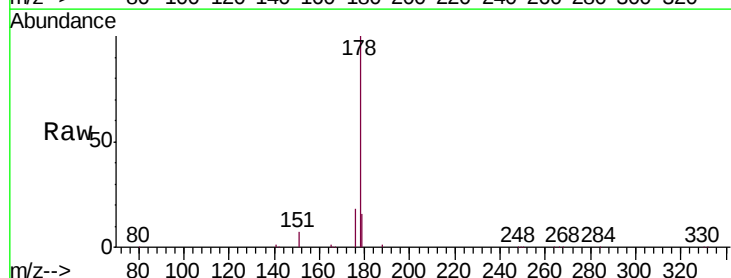
Delta R.T. -0.01 min

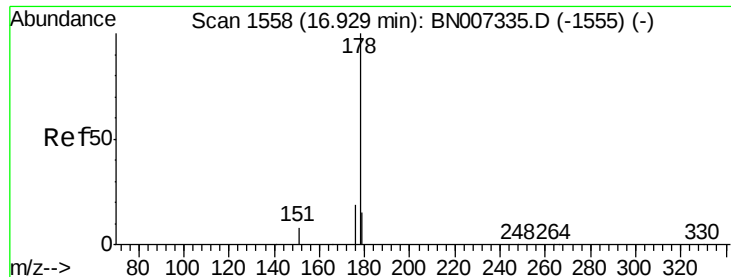
Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

Tgt Ion:178 Resp: 96588

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.3	22.9
179	15.7	12.6	19.0





#24

Anthracene

Concen: 0.156 ng

RT: 16.92 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

Instrument :

BNA_N

ClientSampleId :

S602-M-1.0-1.5-082319DL

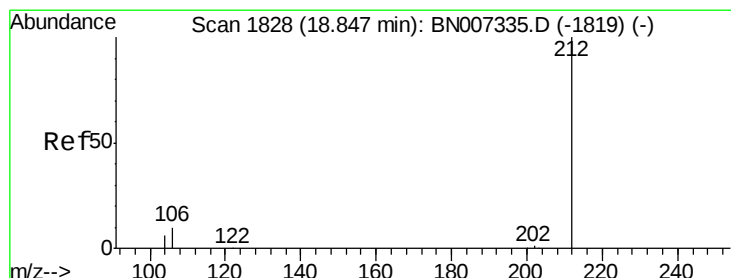
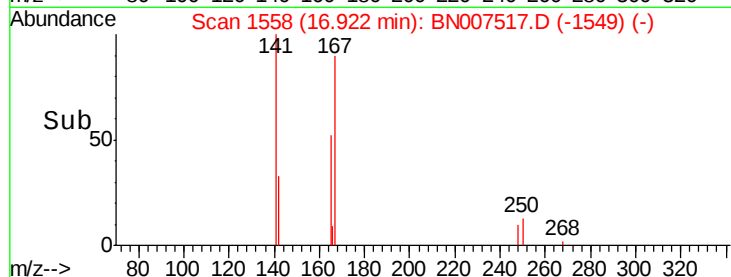
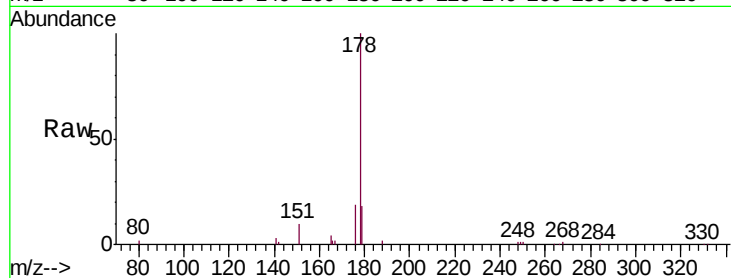
Tgt Ion:178 Resp: 18909

Ion Ratio Lower Upper

178 100

176 18.4 14.9 22.3

179 17.6 12.4 18.6



#25

Fluoranthene-d10

Concen: 0.049 ng

RT: 18.83 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

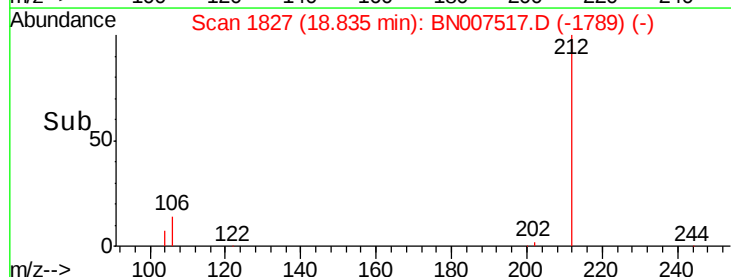
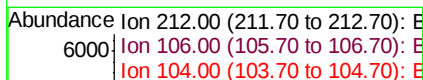
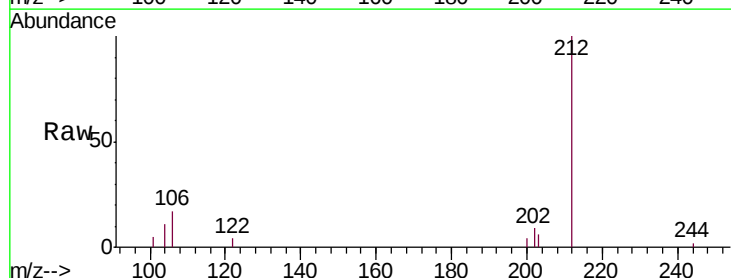
Tgt Ion:212 Resp: 6352

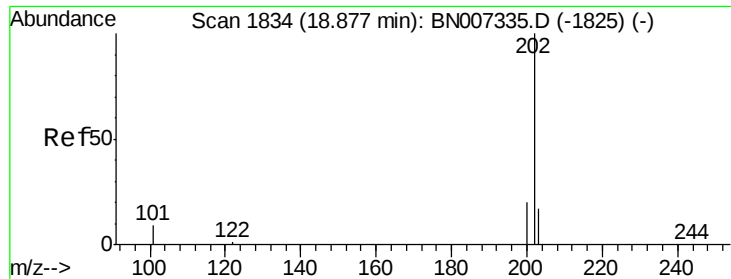
Ion Ratio Lower Upper

212 100

106 13.0 9.0 13.4

104 8.2 5.4 8.2#

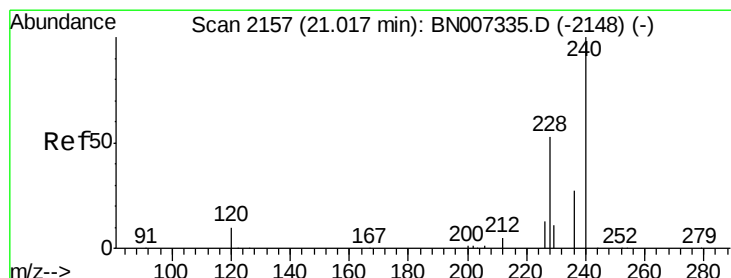
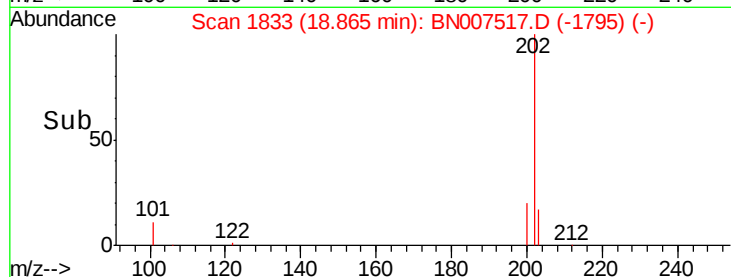
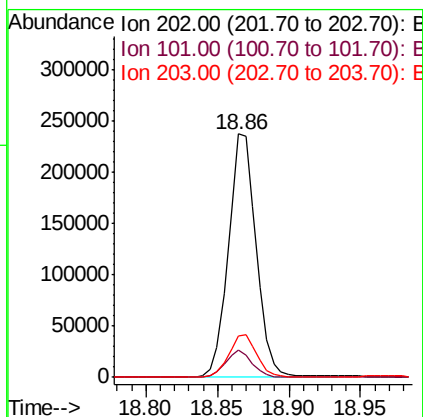
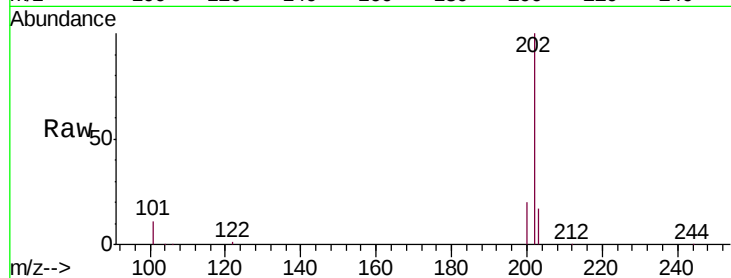




#26
 Fluoranthene
 Concen: 2.068 ng
 RT: 18.86 min Scan# 1833
 Delta R.T. -0.01 min
 Lab File: BN007517.D
 Acq: 30 Aug 2019 00:05

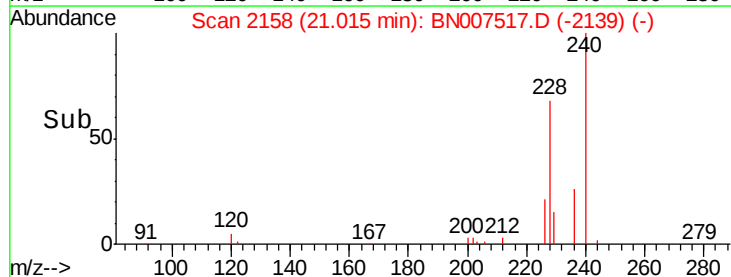
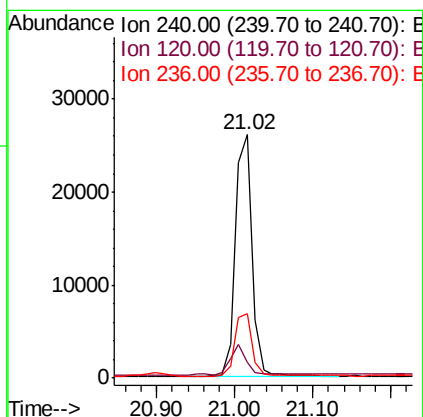
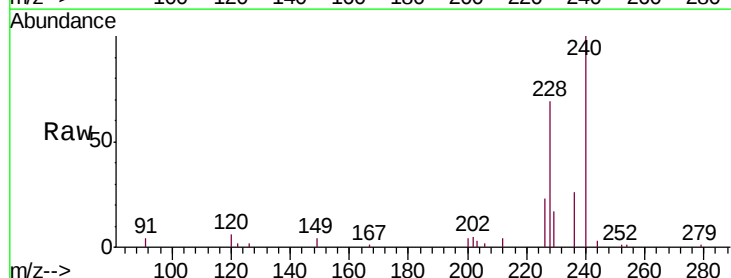
Instrument :
 BNA_N
 ClientSampleId :
 S602-M-1.0-1.5-082319DL

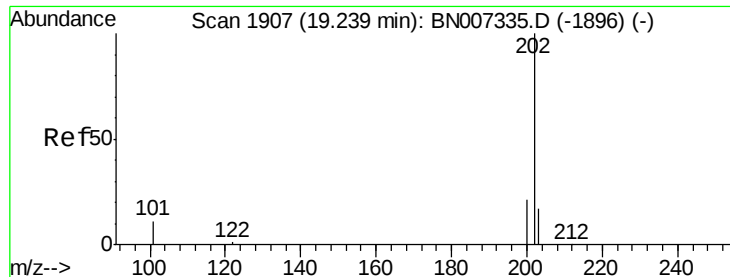
Tgt Ion: 202 Resp: 320764
 Ion Ratio Lower Upper
 202 100
 101 10.6 7.7 11.5
 203 17.3 13.7 20.5



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.02 min Scan# 2158
 Delta R.T. -0.00 min
 Lab File: BN007517.D
 Acq: 30 Aug 2019 00:05

Tgt Ion: 240 Resp: 38891
 Ion Ratio Lower Upper
 240 100
 120 6.3 9.6 14.4#
 236 26.4 22.2 33.2





#28

Pyrene

Concen: 1.795 ng

RT: 19.23 min Scan# 1907

Delta R.T. -0.01 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

Instrument :

BNA_N

ClientSampleId :

S602-M-1.0-1.5-082319DL

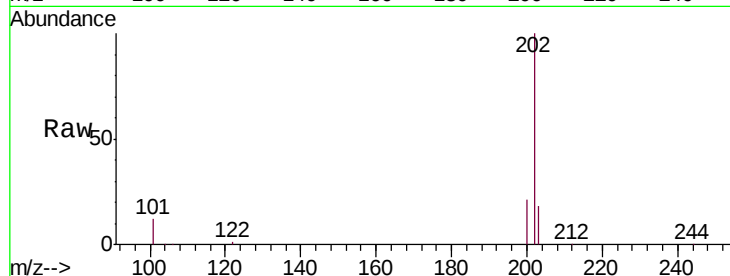
Tgt Ion:202 Resp: 280819

Ion Ratio Lower Upper

202 100

200 20.7 16.6 25.0

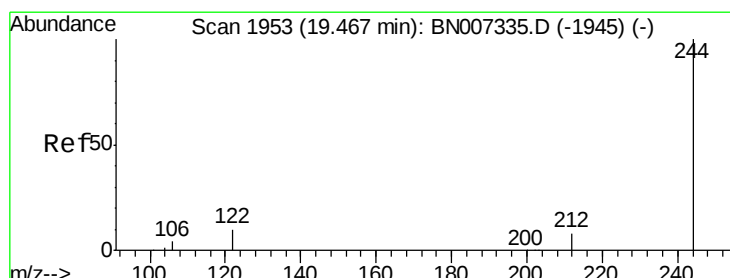
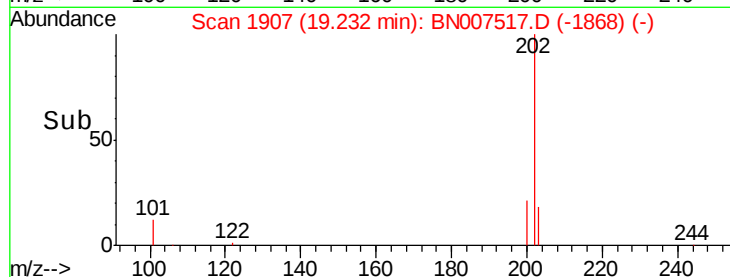
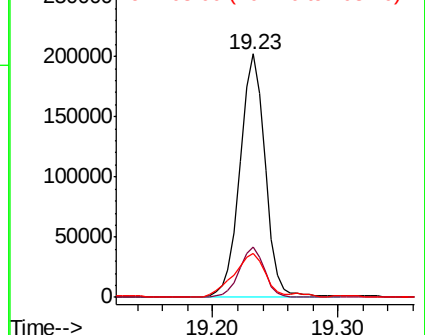
203 22.5 14.2 21.4#



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



#29

Terphenyl-d14

Concen: 0.044 ng

RT: 19.46 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

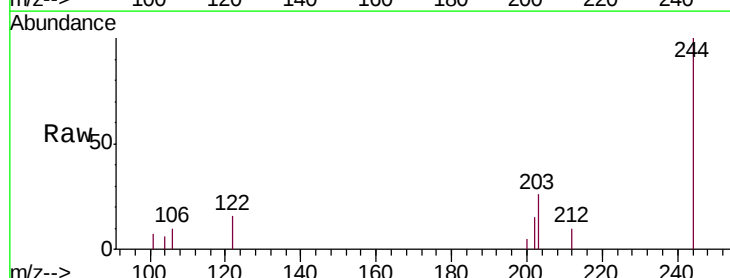
Tgt Ion:244 Resp: 4489

Ion Ratio Lower Upper

244 100

212 10.2 7.0 10.6

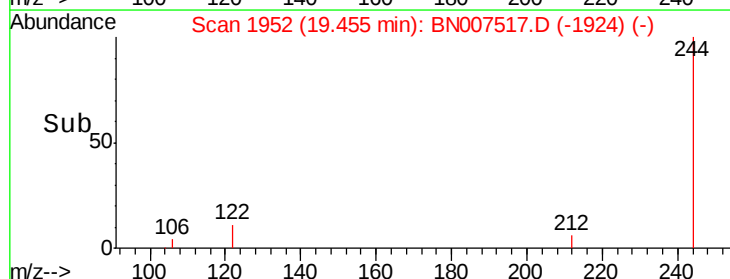
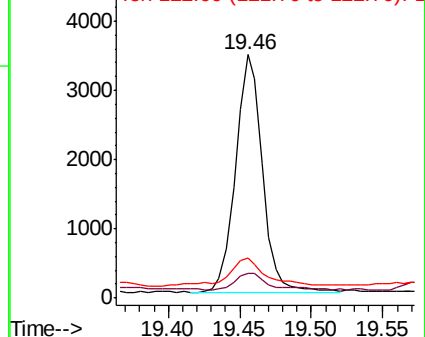
122 16.5 9.6 14.4#

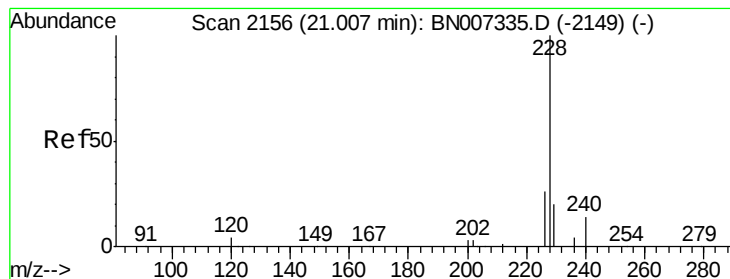


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 1.031 ng

RT: 20.99 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

Instrument :

BNA_N

ClientSampleId :

S602-M-1.0-1.5-082319DL

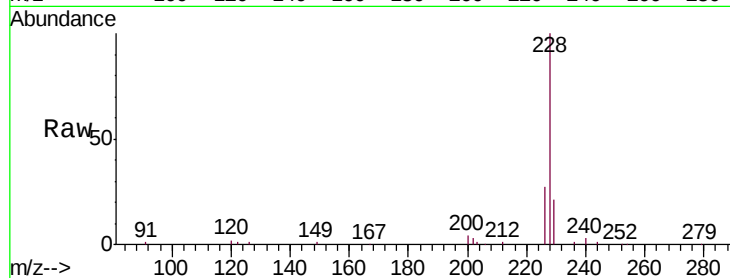
Tgt Ion:228 Resp: 157459

Ion Ratio Lower Upper

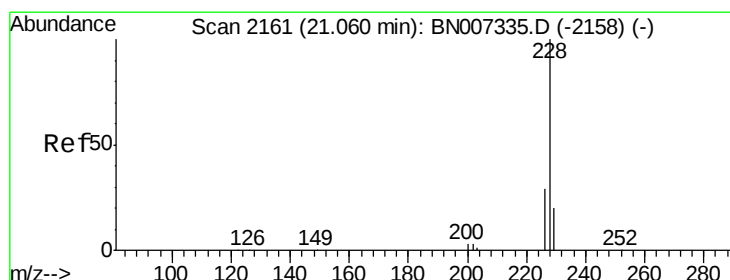
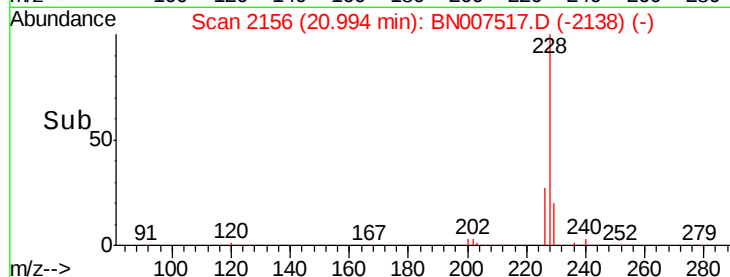
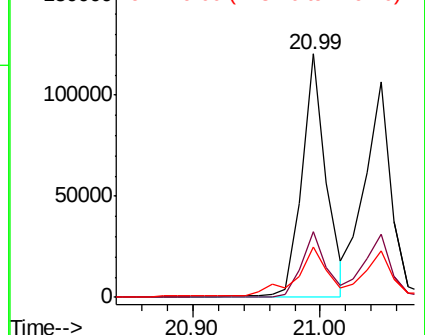
228 100

226 27.2 21.3 31.9

229 20.8 16.1 24.1



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



#31

Chrysene

Concen: 1.039 ng

RT: 21.05 min Scan# 2161

Delta R.T. -0.01 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

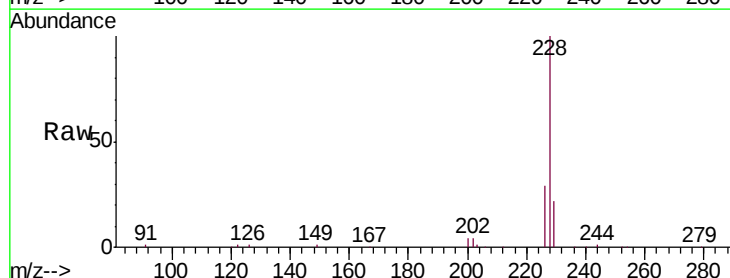
Tgt Ion:228 Resp: 153191

Ion Ratio Lower Upper

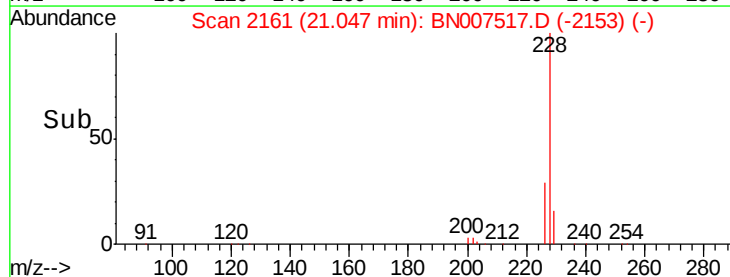
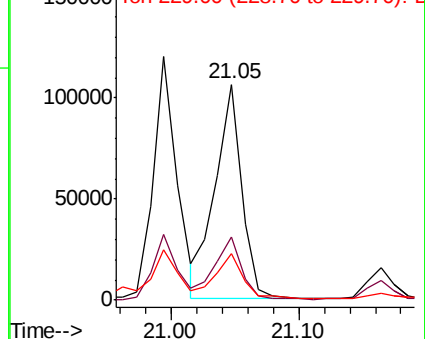
228 100

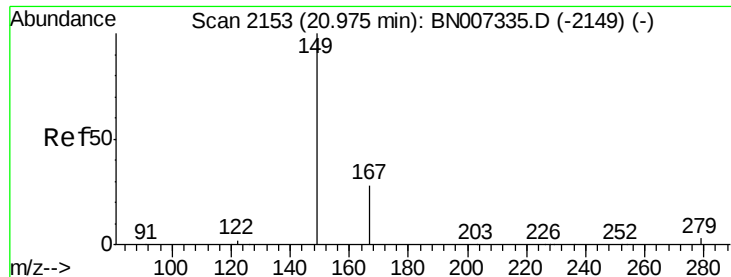
226 29.1 23.5 35.3

229 21.8 16.6 24.8



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





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.036 ng

RT: 20.96 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

Instrument :

BNA_N

ClientSampleId :

S602-M-1.0-1.5-082319DL

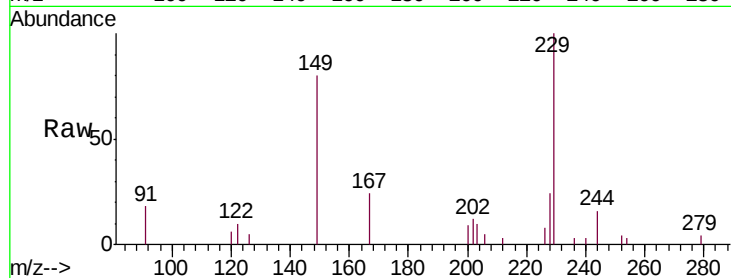
Tgt Ion:149 Resp: 5457

Ion Ratio Lower Upper

149 100

167 27.7 22.8 34.2

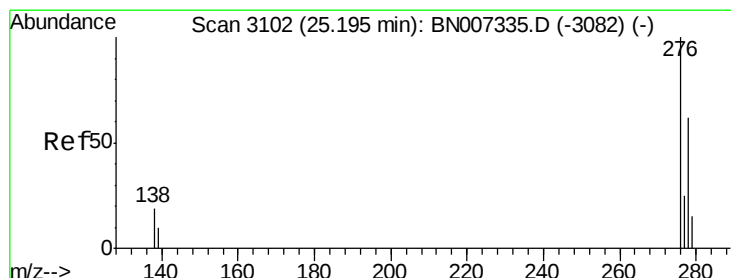
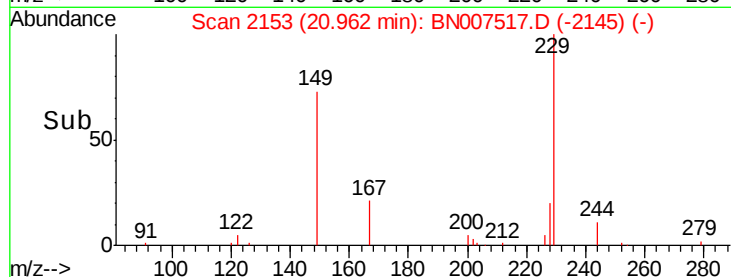
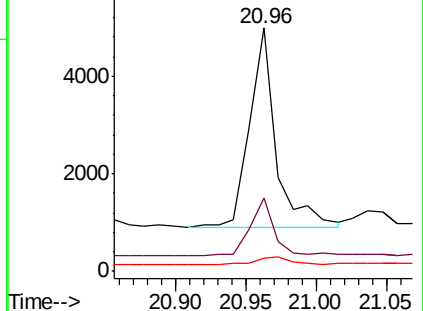
279 5.3 3.5 5.3



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: 0.450 ng

RT: 25.17 min Scan# 3097

Delta R.T. -0.02 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

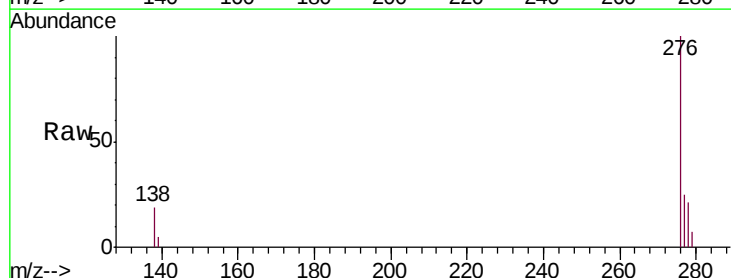
Tgt Ion:276 Resp: 79869

Ion Ratio Lower Upper

276 100

138 19.3 15.1 22.7

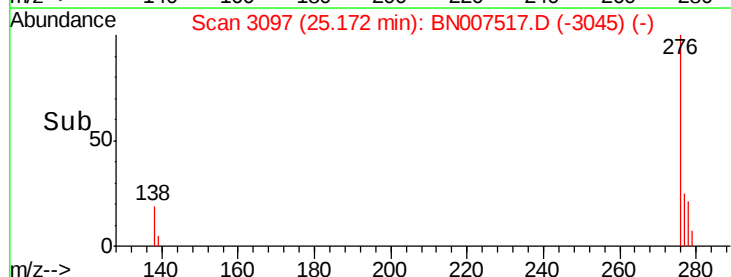
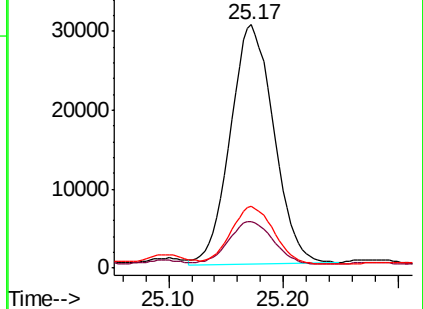
277 25.1 19.7 29.5

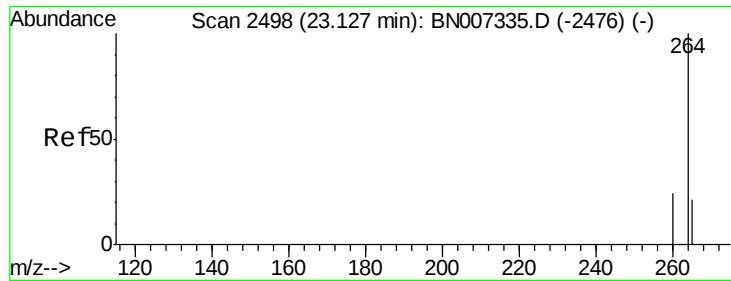


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

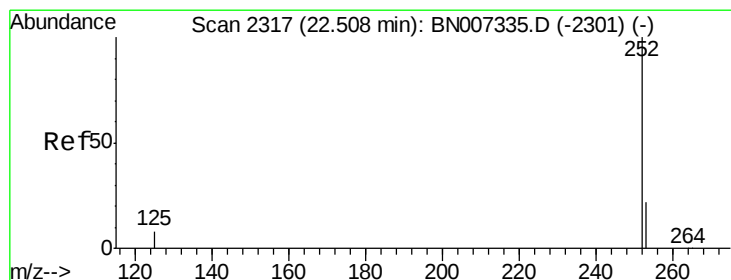
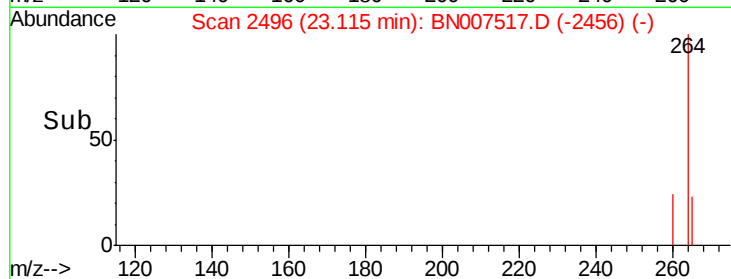
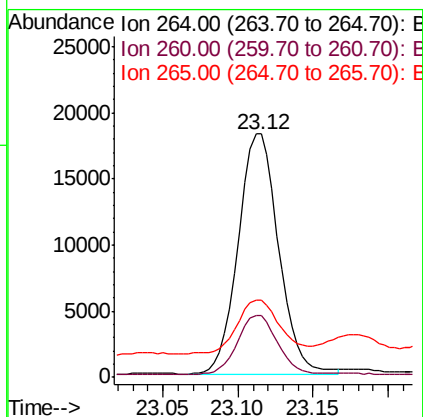
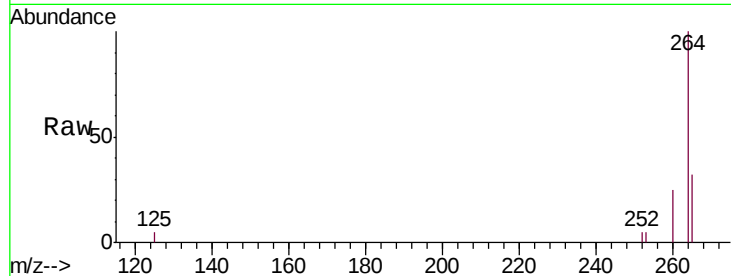




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.12 min Scan# 2496
 Delta R.T. -0.01 min
 Lab File: BN007517.D
 Acq: 30 Aug 2019 00:05

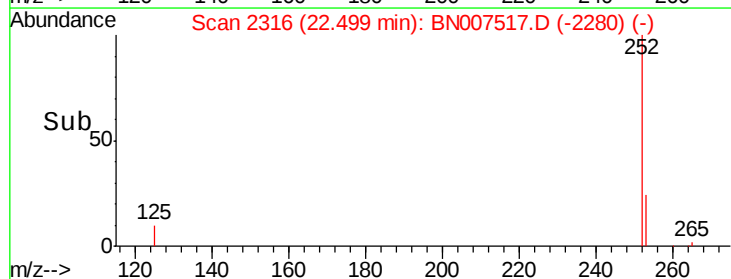
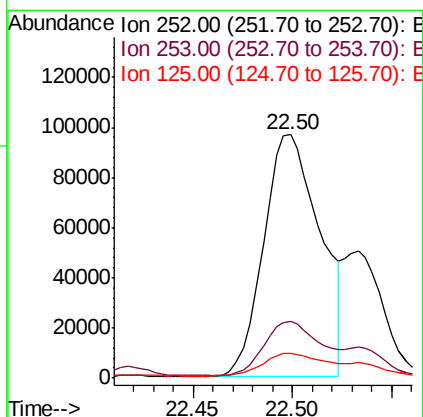
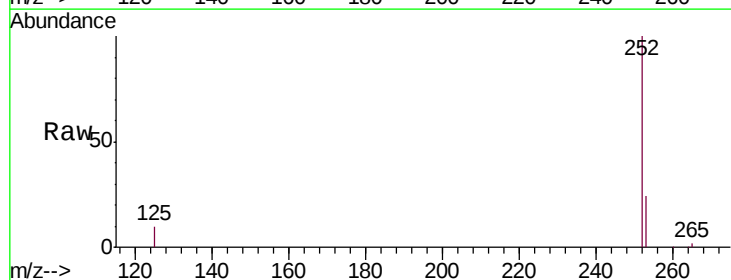
Instrument :
 BNA_N
 ClientSampleId :
 S602-M-1.0-1.5-082319DL

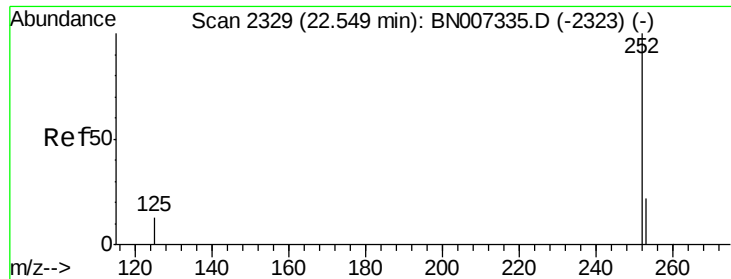
Tgt Ion: 264 Resp: 33184
 Ion Ratio Lower Upper
 264 100
 260 25.2 19.7 29.5
 265 31.9 29.9 44.9



#35
 Benzo(b)fluoranthene
 Concen: 1.595 ng
 RT: 22.50 min Scan# 2316
 Delta R.T. -0.01 min
 Lab File: BN007517.D
 Acq: 30 Aug 2019 00:05

Tgt Ion: 252 Resp: 191754
 Ion Ratio Lower Upper
 252 100
 253 23.5 19.2 28.8
 125 10.0 10.6 16.0#





#36

Benzo(k)fluoranthene

Concen: 0.209 ng

RT: 22.66 min Scan# 2362

Delta R.T. 0.11 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

Instrument :

BNA_N

ClientSampleId :

S602-M-1.0-1.5-082319DL

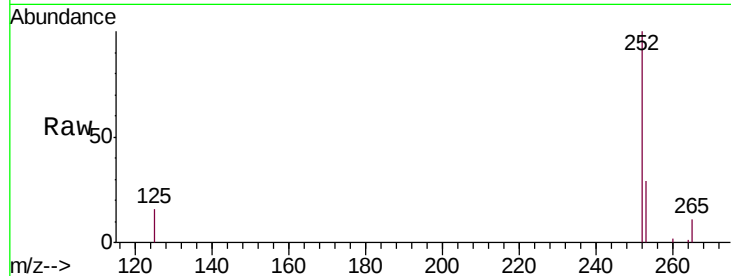
Tgt Ion:252 Resp: 24781

Ion Ratio Lower Upper

252 100

253 29.1 19.4 29.2

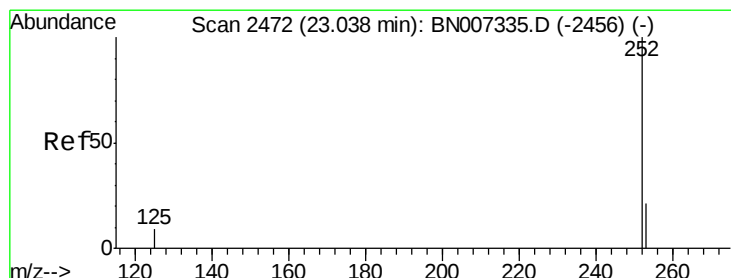
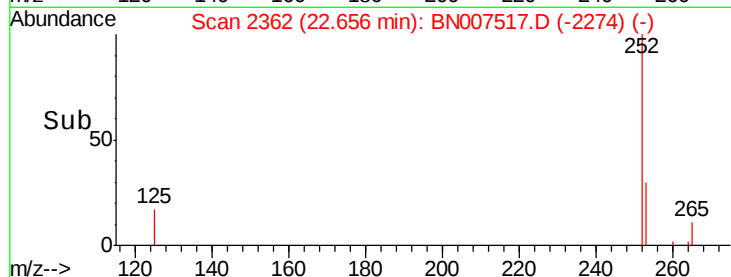
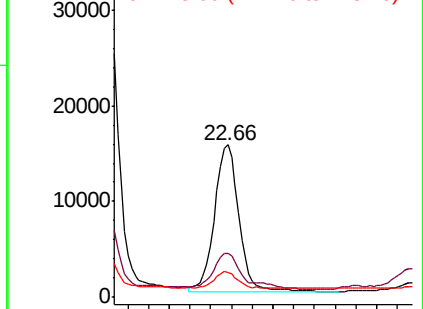
125 16.2 13.1 19.7



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: 0.776 ng

RT: 22.94 min Scan# 2444

Delta R.T. -0.10 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

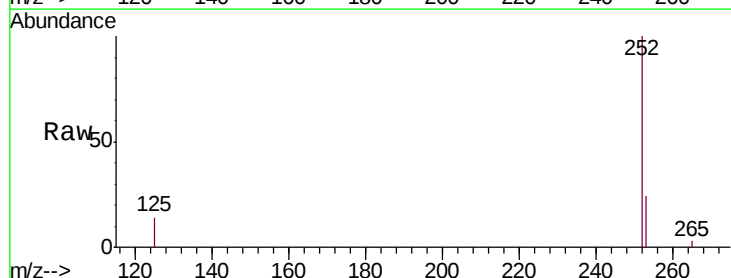
Tgt Ion:252 Resp: 88840

Ion Ratio Lower Upper

252 100

253 24.3 19.5 29.3

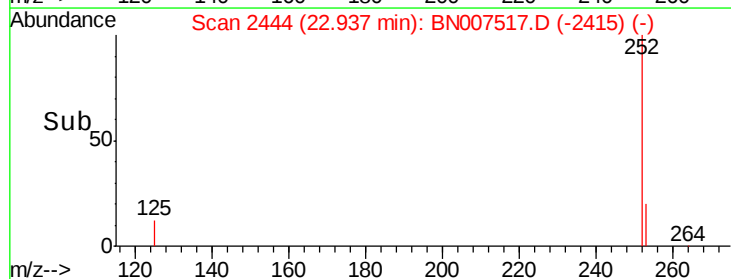
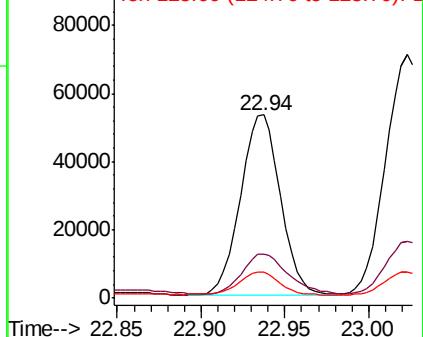
125 14.2 12.1 18.1

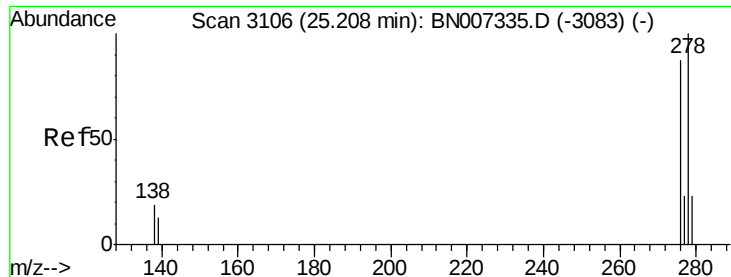


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.191 ng

RT: 25.18 min Scan# 3100

Delta R.T. -0.03 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

Instrument :

BNA_N

ClientSampleId :

S602-M-1.0-1.5-082319DL

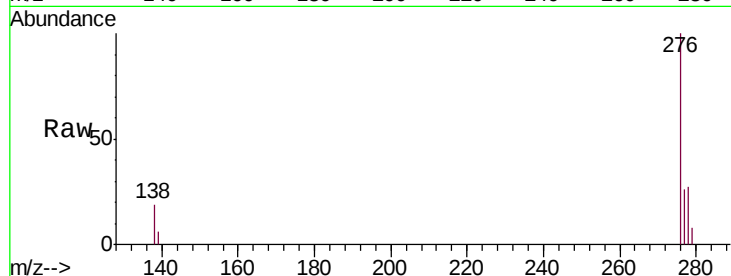
Tgt Ion:278 Resp: 21842

Ion Ratio Lower Upper

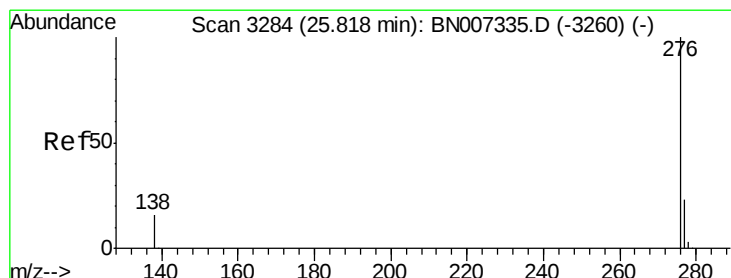
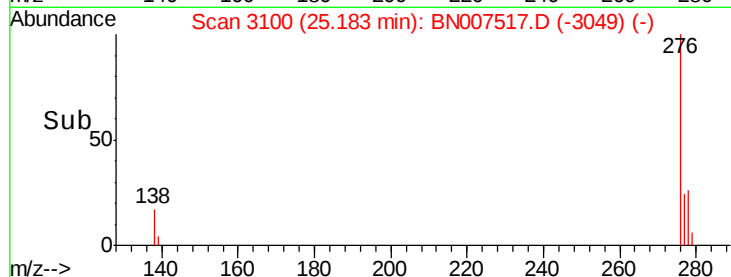
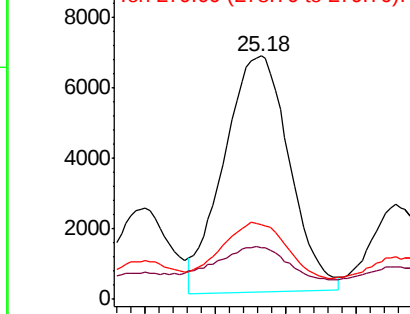
278 100

139 21.2 13.7 20.5#

279 30.8 20.2 30.4#



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



#39

Benzo(g,h,i)perylene

Concen: 0.687 ng

RT: 25.80 min Scan# 3280

Delta R.T. -0.02 min

Lab File: BN007517.D

Acq: 30 Aug 2019 00:05

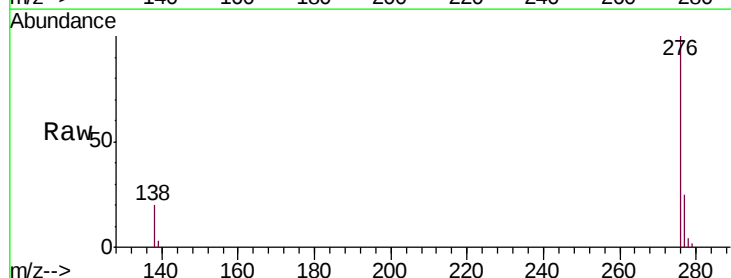
Tgt Ion:276 Resp: 78124

Ion Ratio Lower Upper

276 100

277 24.9 19.6 29.4

138 20.1 16.3 24.5



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

