

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042820\
 Data File : BN010635.D
 Acq On : 28 Apr 2020 22:27
 Operator : CG/JU
 Sample : L2423-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 WB-1-2

Quant Time: May 04 06:50:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 28 11:13:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	3117	0.40	ng	0.00
7) Naphthalene-d8	10.34	136	13066	0.40	ng	0.00
13) Acenaphthene-d10	14.21	164	10770	0.40	ng	0.00
19) Phenanthrene-d10	16.96	188	21237	0.40	ng	0.00
27) Chrysene-d12	21.16	240	18922	0.40	ng	-0.01
34) Perylene-d12	23.33	264	17122	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.23	112	1034	0.15	ng	0.00
5) Phenol-d6	6.78	99	790	0.09	ng	0.00
8) Nitrobenzene-d5	8.72	82	3465	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	11.93	152	7538	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.70	330	1797	0.35	ng	-0.01
15) 2-Fluorobiphenyl	12.83	172	11589	0.30	ng	0.00
25) Fluoranthene-d10	19.00	212	23722	0.37	ng	0.00
29) Terphenyl-d14	19.61	244	19838	0.46	ng	0.00

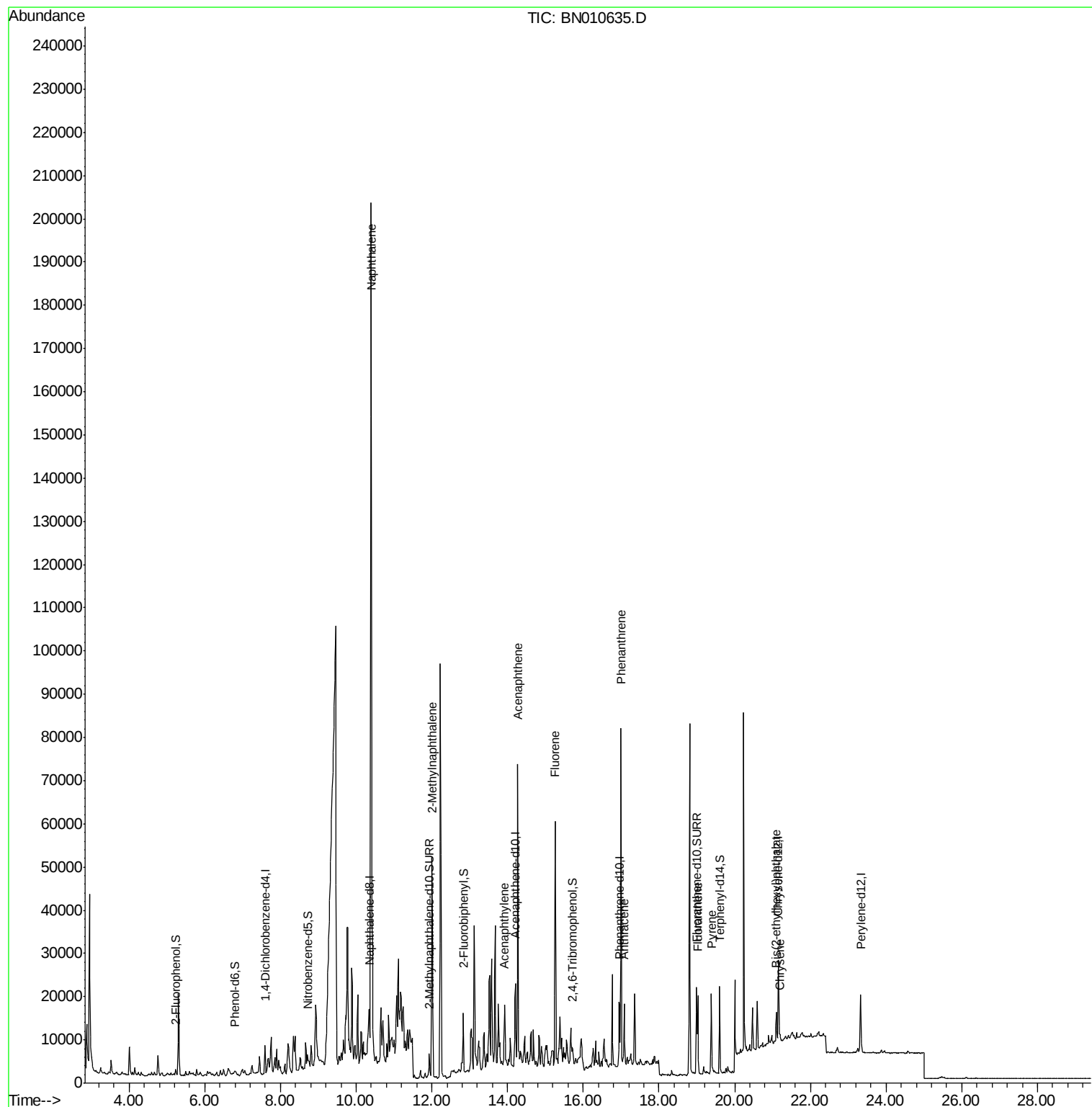
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.39	128	256499	7.904	ng	99
12) 2-Methylnaphthalene	12.01	142	37340	1.602	ng	99
16) Acenaphthylene	13.92	152	6988	0.150	ng	# 45
17) Acenaphthene	14.26	154	36143	1.209	ng	100
18) Fluorene	15.26	166	35501	0.907	ng	99
23) Phenanthrene	16.99	178	83413	1.454	ng	99
24) Anthracene	17.09	178	13592	0.259	ng	97
26) Fluoranthene	19.03	202	16962	0.238	ng	99
28) Pyrene	19.39	202	17300	0.272	ng	# 94
31) Chrysene	21.20	228	1447	0.024	ng	# 65
32) Bis(2-ethylhexyl)phthalate	21.10	149	4543	0.143	ng	# 90

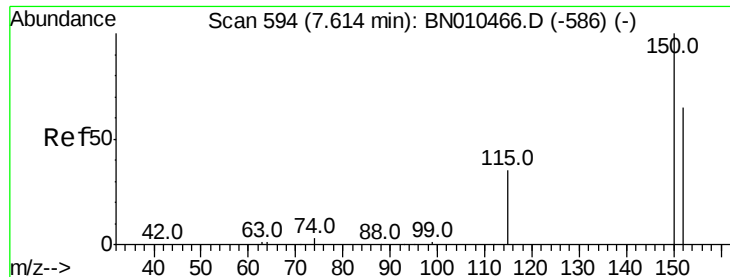
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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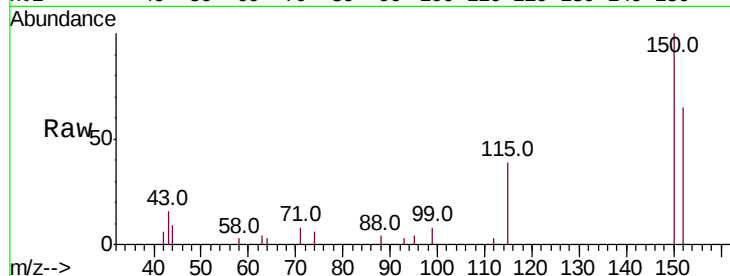


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.59 min Scan# 591
Delta R.T. -0.00 min
Lab File: BN010635.D
Acq: 28 Apr 2020 22:27

Instrument :
BNA_N
ClientSampleId :
WB-1-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	121.8	182.6
115	60.1	45.5	68.3

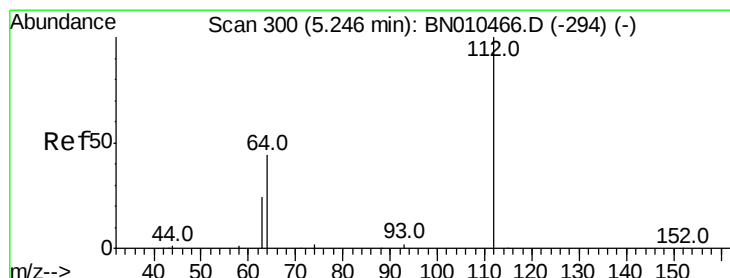
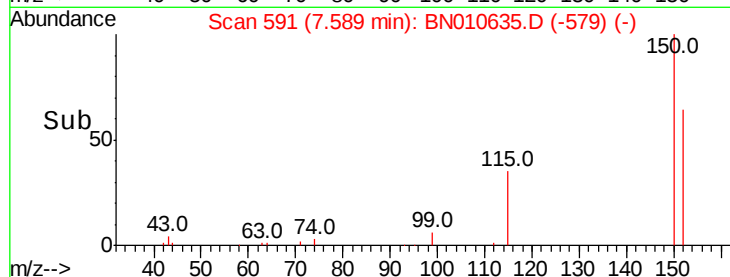
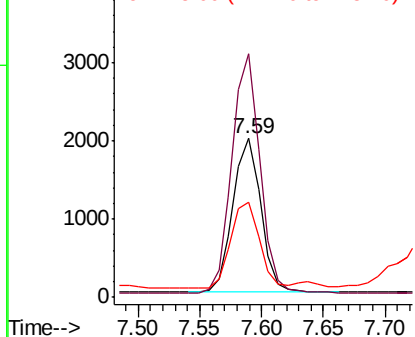


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

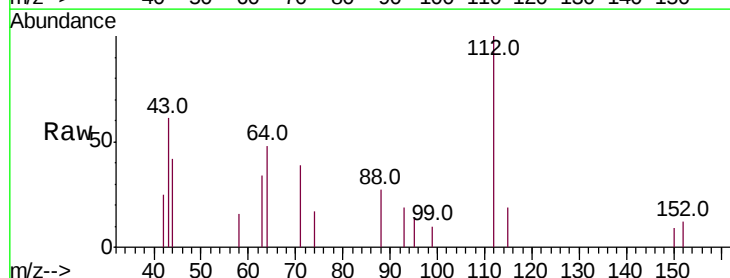
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.151 ng
RT: 5.23 min Scan# 298
Delta R.T. -0.00 min
Lab File: BN010635.D
Acq: 28 Apr 2020 22:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	43.3	35.8	53.8
63	22.1	19.9	29.9

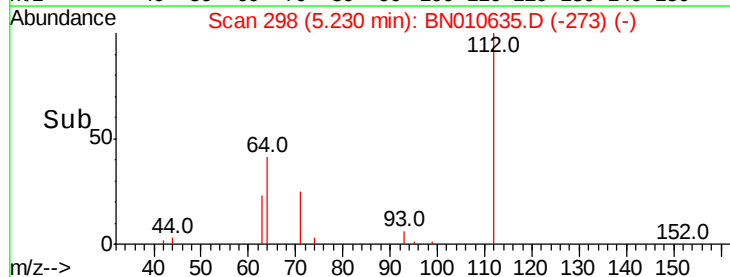
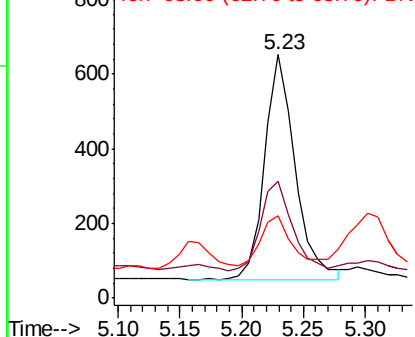


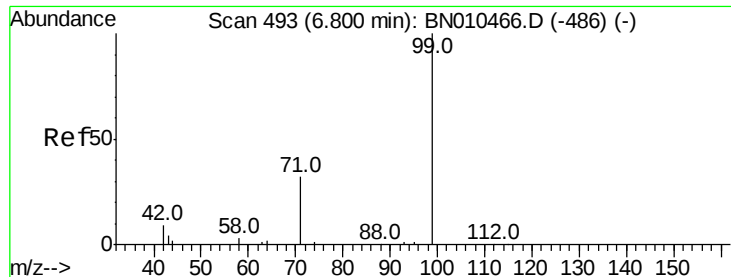
Abundance

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: 0.089 ng

RT: 6.78 min Scan# 491

Delta R.T. -0.00 min

Lab File: BN010635.D

Acq: 28 Apr 2020 22:27

Instrument :

BNA_N

ClientSampleId :

WB-1-2

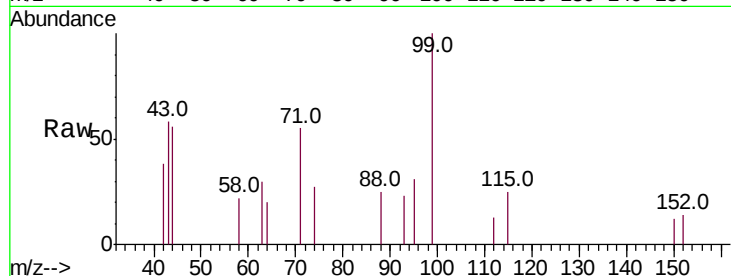
Tot Ion: 99 Resp: 790

Ion Ratio Lower Upper

99 100

42 19.9 9.8 14.6#

71 43.5 27.8 41.8#

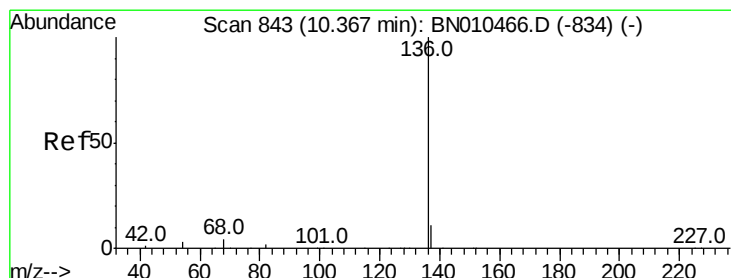
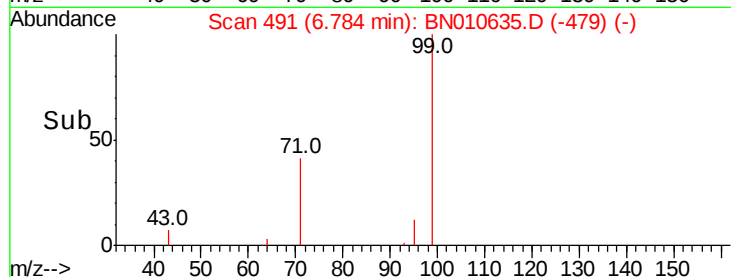
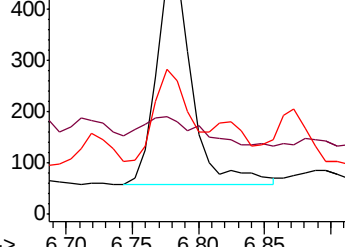


Abundance Ion 99.00 (98.70 to 99.70): BN010466.D (-486) (-)

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

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

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.34 min Scan# 841

Delta R.T. -0.00 min

Lab File: BN010635.D

Acq: 28 Apr 2020 22:27

Tgt Ion: 136 Resp: 13066

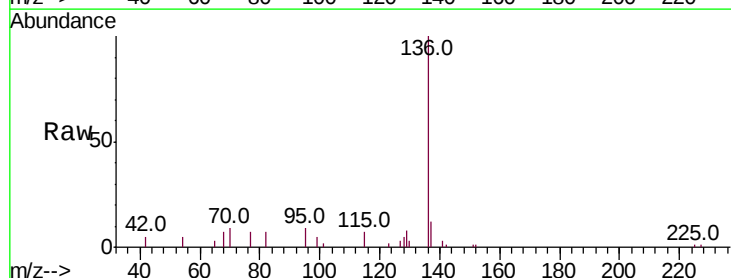
Ion Ratio Lower Upper

136 100

137 11.8 8.9 13.3

54 4.9 2.6 4.0#

68 7.1 3.4 5.2#



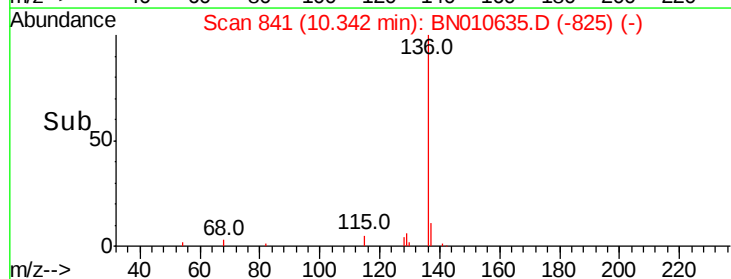
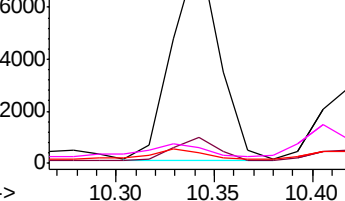
Abundance Ion 136.00 (135.70 to 136.70): BN010466.D (-834) (-)

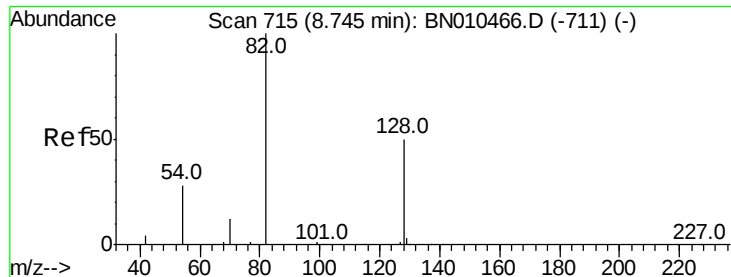
Ion 137.00 (136.70 to 137.70): BN010466.D (-834) (-)

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

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

Time-->





#8

Nitrobenzene-d5

Concen: 0.379 ng

RT: 8.72 min Scan# 713

Delta R.T. -0.00 min

Lab File: BN010635.D

Acq: 28 Apr 2020 22:27

Instrument :

BNA_N

ClientSampleId :

WB-1-2

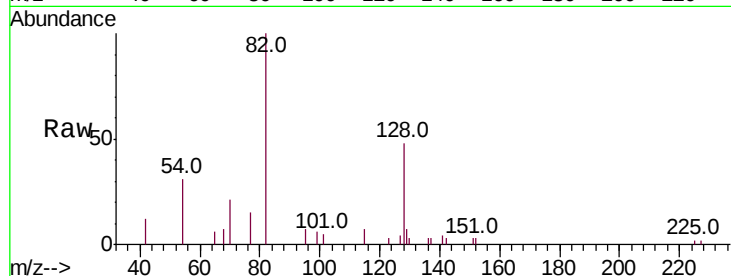
Tot Ion: 82 Resp: 3465

Ion Ratio Lower Upper

82 100

128 47.7 41.3 61.9

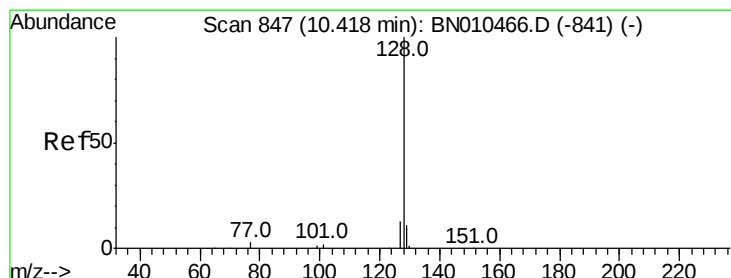
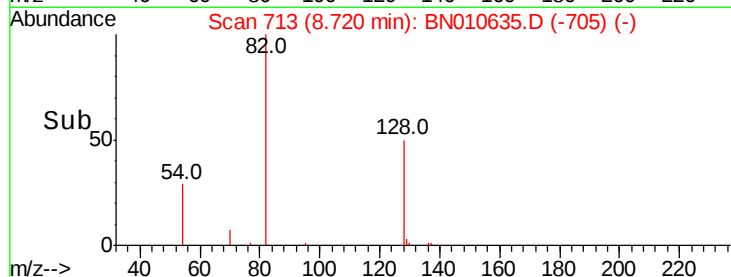
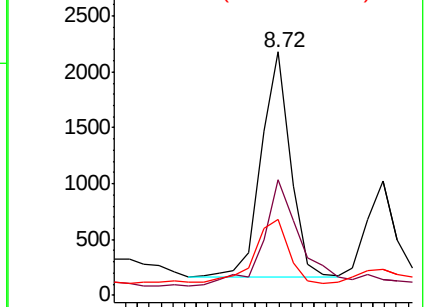
54 31.0 23.4 35.0



Abundance Ion 82.00 (81.70 to 82.70): BN010466.D (-711) (-)

Ion 128.00 (127.70 to 128.70): BN010466.D (-711) (-)

Ion 54.00 (53.70 to 54.70): BN010466.D (-711) (-)



#9

Naphthalene

Concen: 7.904 ng

RT: 10.39 min Scan# 845

Delta R.T. -0.00 min

Lab File: BN010635.D

Acq: 28 Apr 2020 22:27

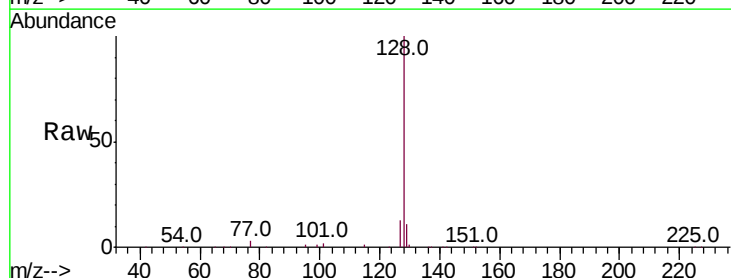
Tgt Ion: 128 Resp: 256499

Ion Ratio Lower Upper

128 100

129 11.2 9.3 13.9

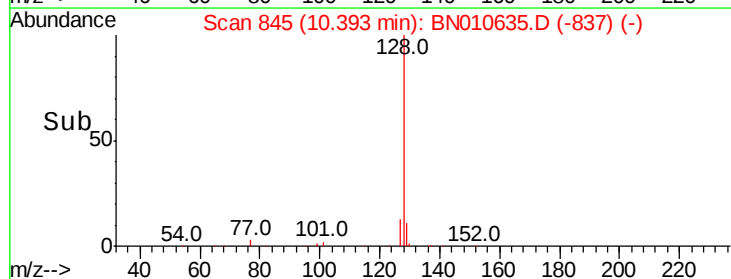
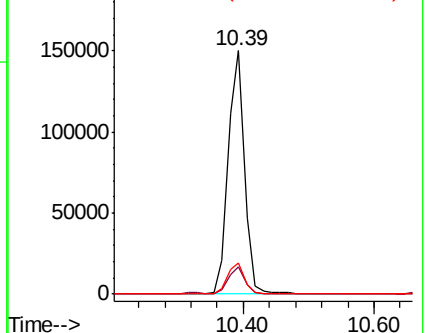
127 13.1 10.5 15.7

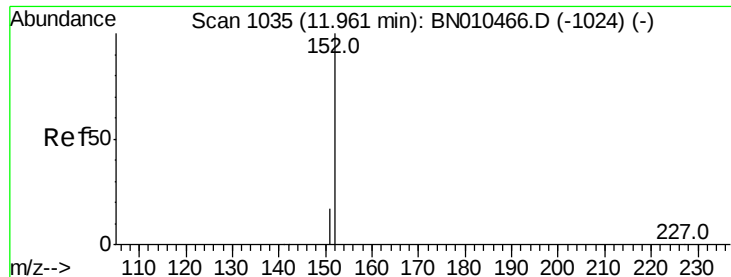


Abundance Ion 128.00 (127.70 to 128.70): BN010466.D (-841) (-)

Ion 129.00 (128.70 to 129.70): BN010466.D (-841) (-)

Ion 127.00 (126.70 to 127.70): BN010466.D (-841) (-)

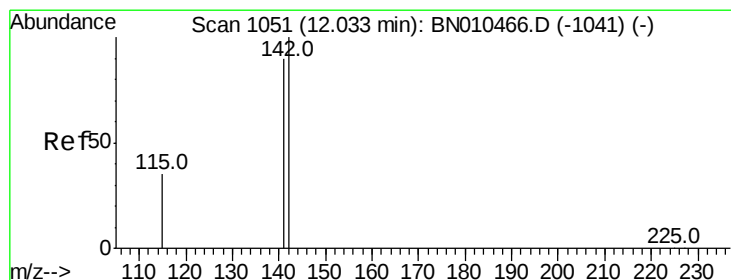
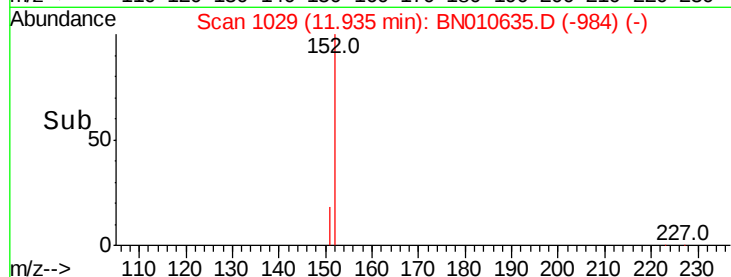
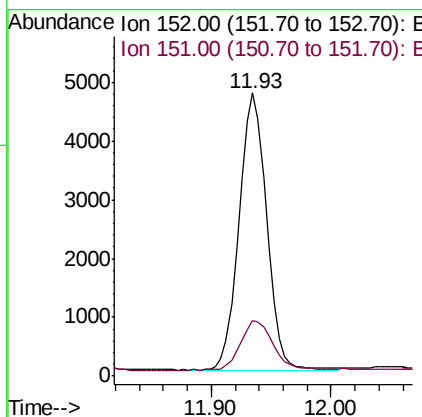
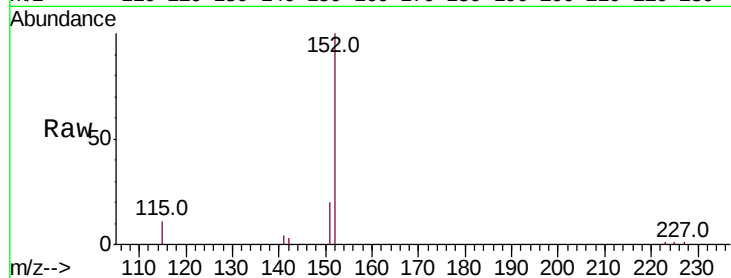




#11
2-Methylnaphthalene-d10
Concen: 0.351 ng
RT: 11.93 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BN010635.D
Acq: 28 Apr 2020 22:27

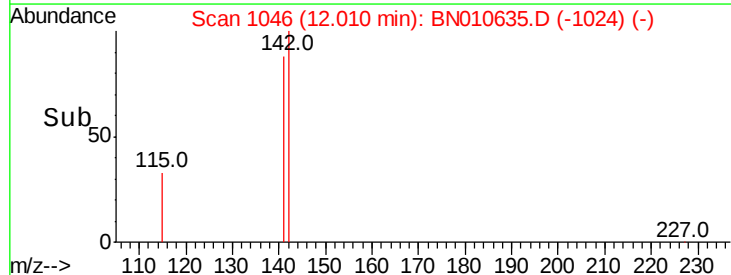
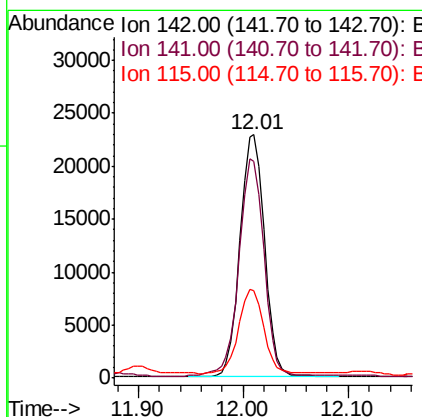
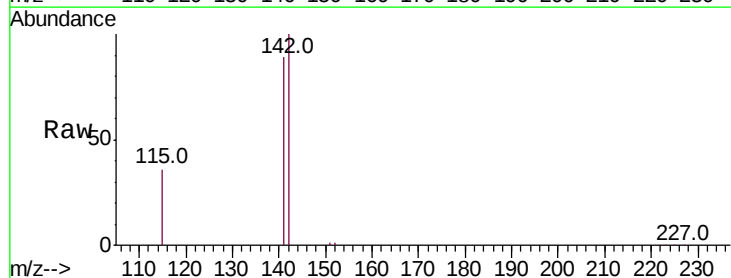
Instrument :
BNA_N
ClientSampled :
WB-1-2

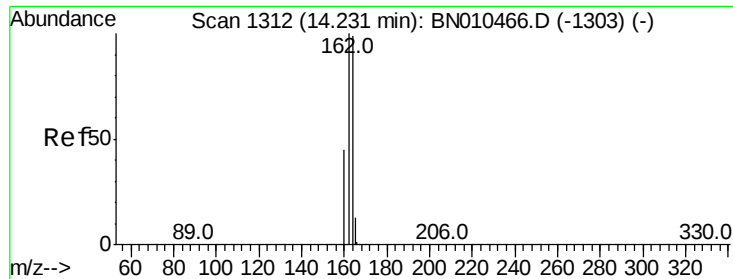
Tot Ion:152 Resp: 7538
Ion Ratio Lower Upper
152 100
151 21.7 15.3 22.9



#12
2-Methylnaphthalene
Concen: 1.602 ng
RT: 12.01 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BN010635.D
Acq: 28 Apr 2020 22:27

Tgt Ion:142 Resp: 37340
Ion Ratio Lower Upper
142 100
141 89.0 71.9 107.9
115 35.7 28.8 43.2





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.21 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BN010635.D

Acq: 28 Apr 2020 22:27

Instrument :

BNA_N

ClientSampleId :

WB-1-2

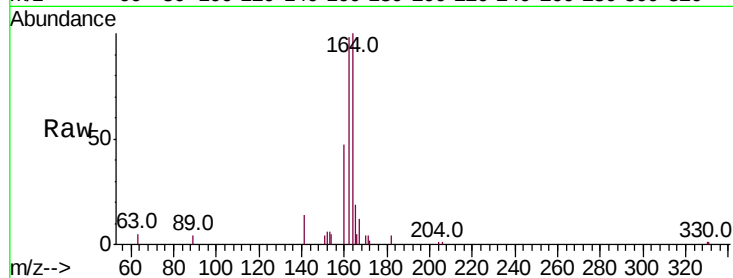
Tot Ion:164 Resp: 10770

Ion Ratio Lower Upper

164 100

162 97.7 80.6 121.0

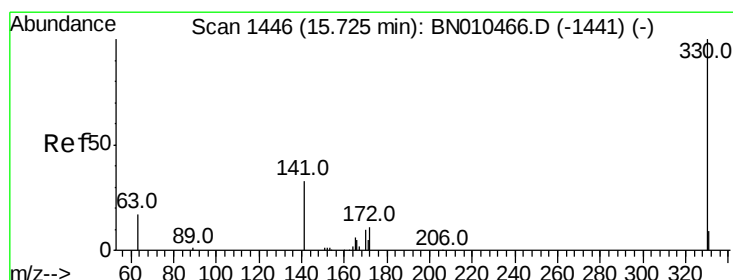
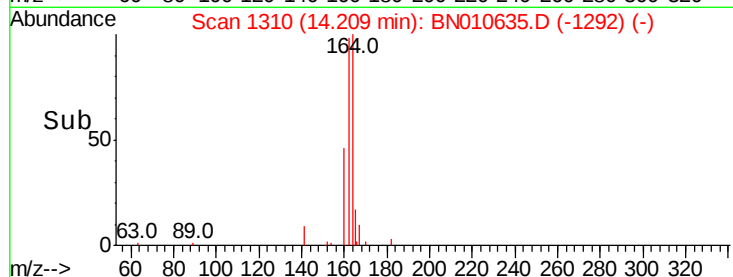
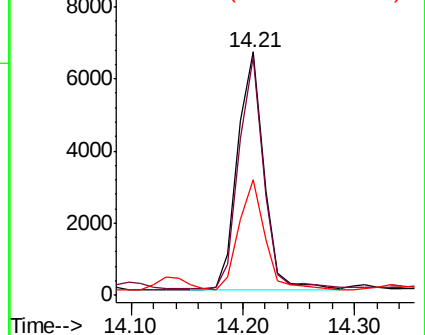
160 47.5 36.5 54.7



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: 0.354 ng

RT: 15.70 min Scan# 1444

Delta R.T. -0.01 min

Lab File: BN010635.D

Acq: 28 Apr 2020 22:27

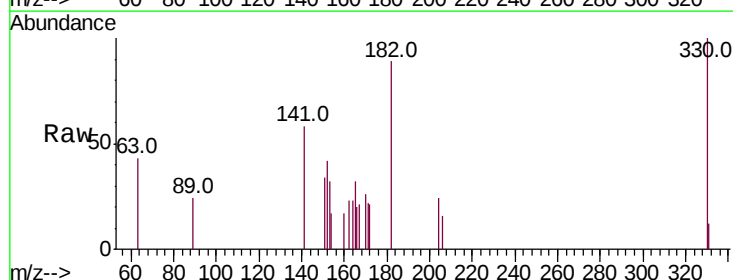
Tgt Ion:330 Resp: 1797

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

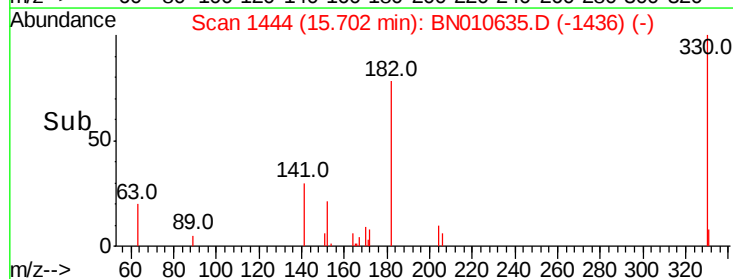
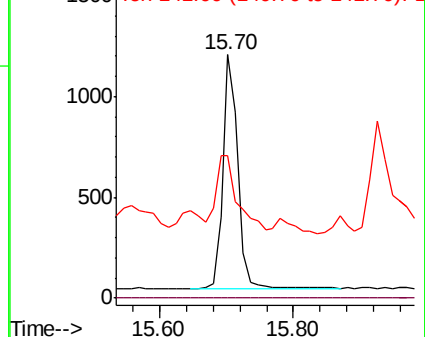
141 44.7 28.1 42.1#

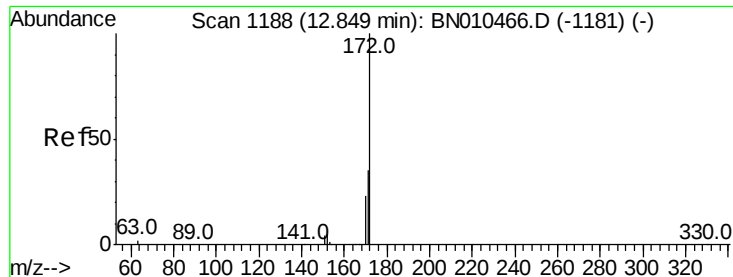


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

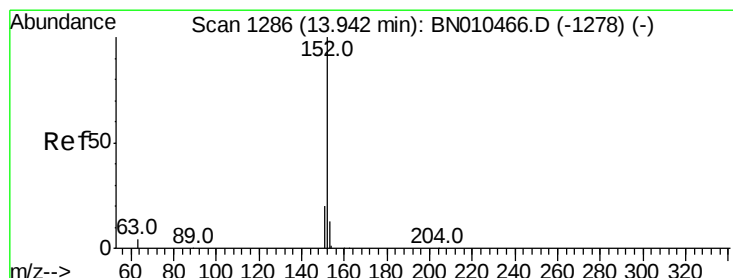
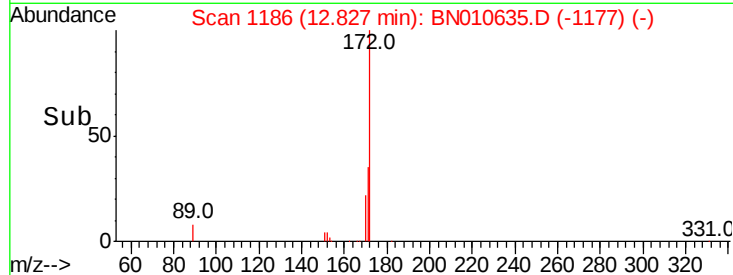
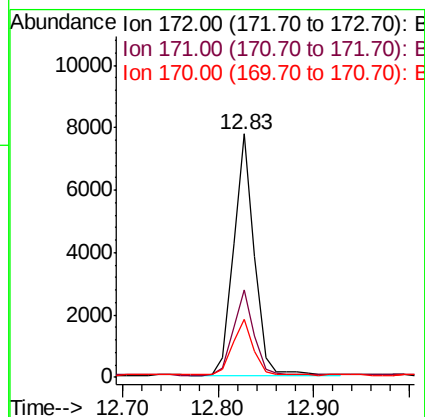
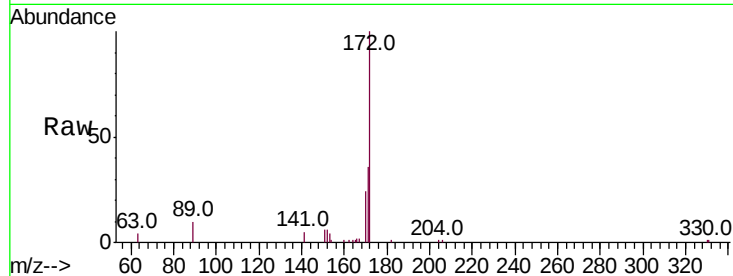




#15
2-Fluorobiphenyl
Concen: 0.296 ng
RT: 12.83 min Scan# 1186
Delta R.T. -0.00 min
Lab File: BN010635.D
Acq: 28 Apr 2020 22:27

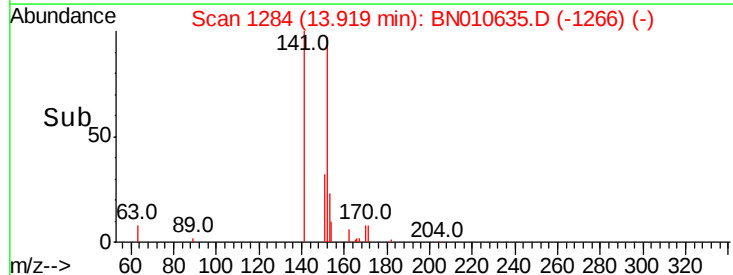
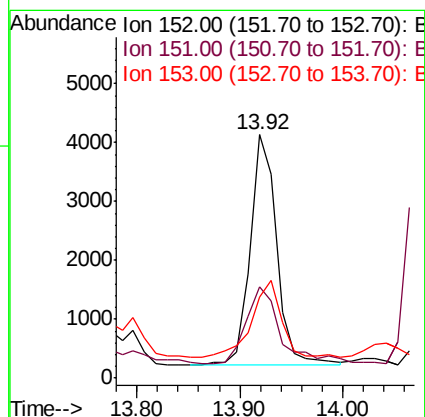
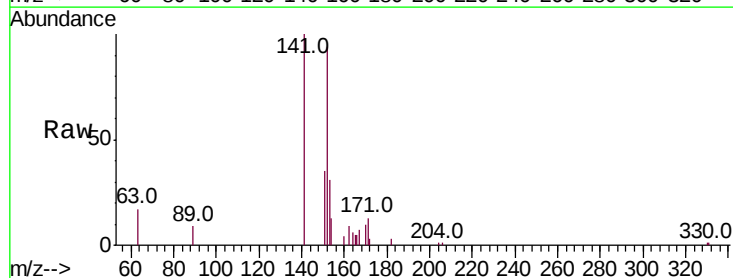
Instrument :
BNA_N
ClientSampleId :
WB-1-2

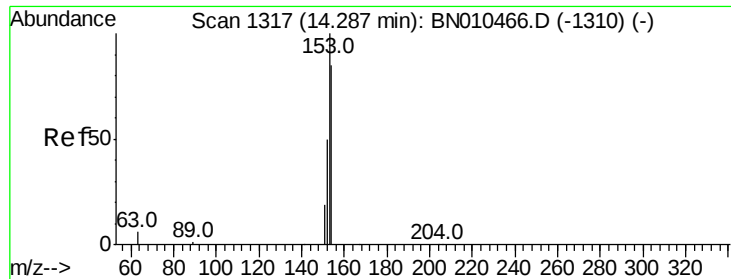
Tot Ion:172 Resp: 11589
Ion Ratio Lower Upper
172 100
171 35.9 28.2 42.2
170 23.6 18.4 27.6



#16
Acenaphthylene
Concen: 0.150 ng
RT: 13.92 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN010635.D
Acq: 28 Apr 2020 22:27

Tgt Ion:152 Resp: 6988
Ion Ratio Lower Upper
152 100
151 43.2 15.7 23.5#
153 37.1 10.6 15.8#





#17

Acenaphthene

Concen: 1.209 ng

RT: 14.26 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BN010635.D

Acq: 28 Apr 2020 22:27

Instrument :

BNA_N

ClientSampleId :

WB-1-2

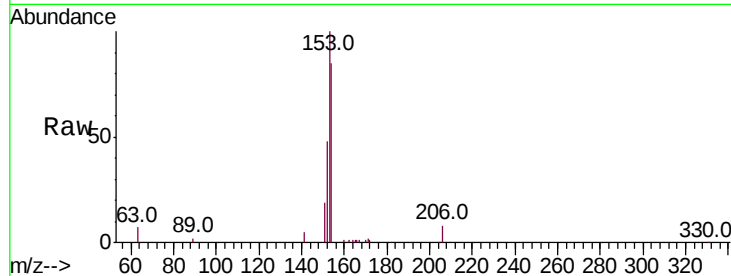
Tot Ion:154 Resp: 36143

Ion Ratio Lower Upper

154 100

153 114.2 91.0 136.4

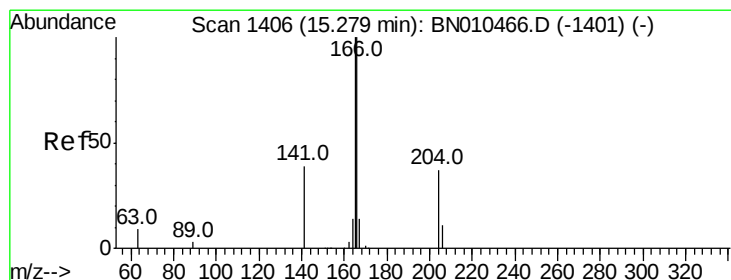
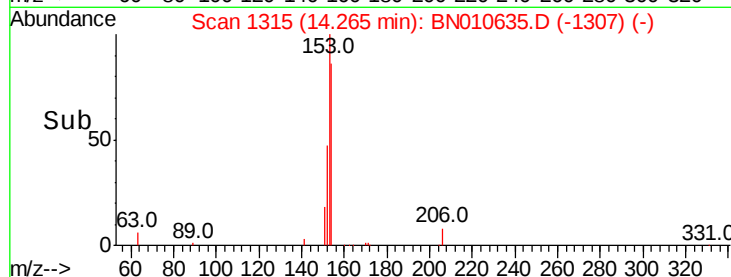
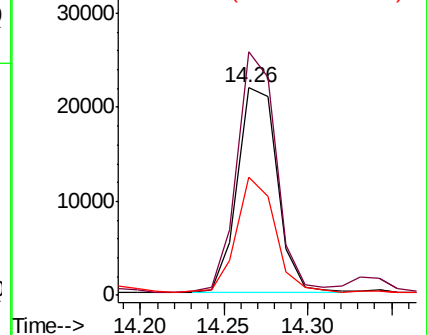
152 55.4 44.6 67.0



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: 0.907 ng

RT: 15.26 min Scan# 1404

Delta R.T. -0.01 min

Lab File: BN010635.D

Acq: 28 Apr 2020 22:27

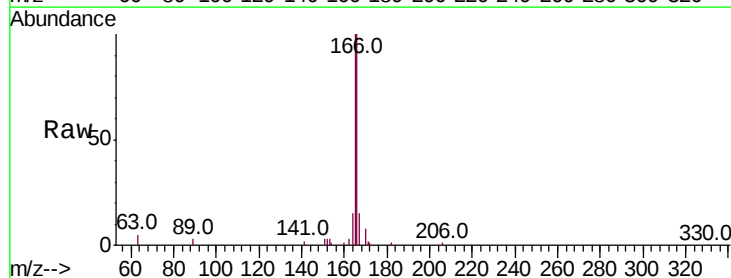
Tgt Ion:166 Resp: 35501

Ion Ratio Lower Upper

166 100

165 97.8 78.4 117.6

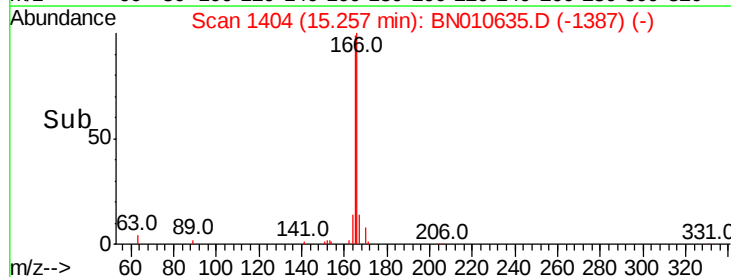
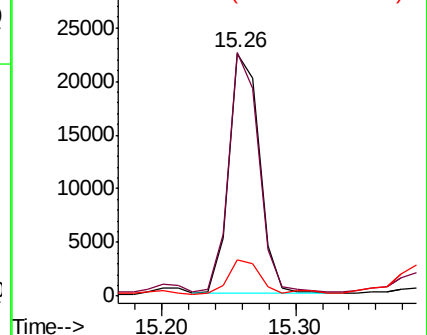
167 15.8 10.9 16.3

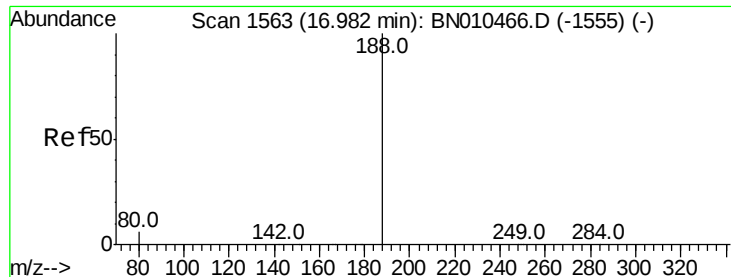


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.96 min Scan# 1561

Delta R.T. -0.00 min

Lab File: BN010635.D

Acq: 28 Apr 2020 22:27

Instrument :

BNA_N

ClientSampleId :

WB-1-2

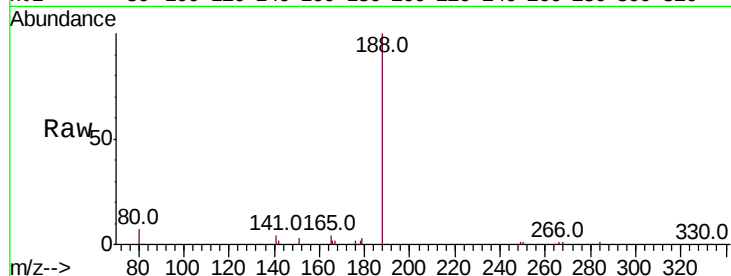
Tot Ion:188 Resp: 21237

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

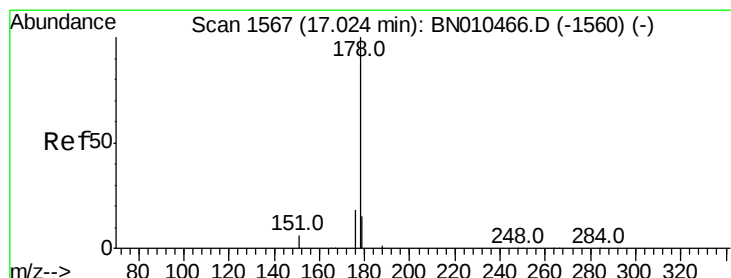
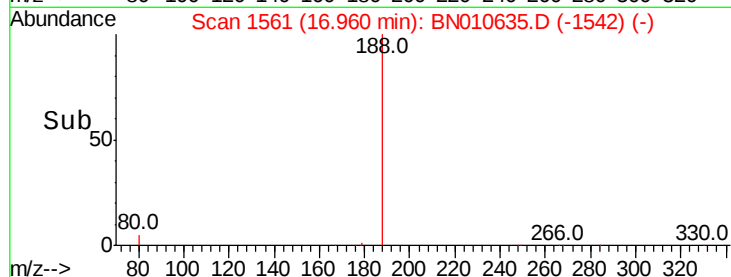
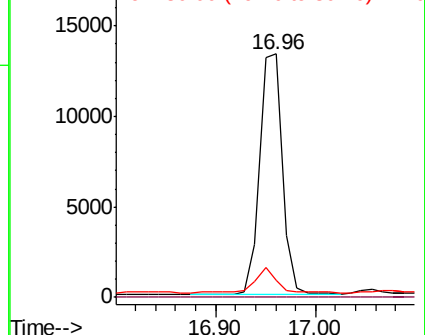
80 7.1 5.0 7.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#23

Phenanthrene

Concen: 1.454 ng

RT: 16.99 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BN010635.D

Acq: 28 Apr 2020 22:27

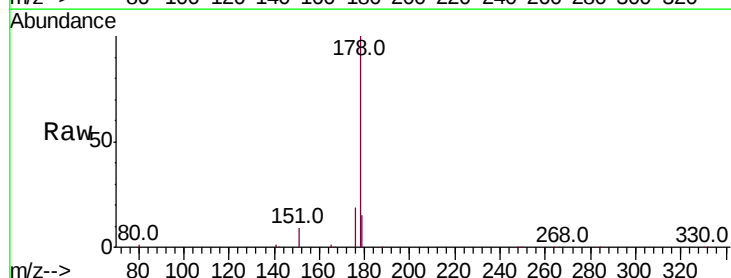
Tgt Ion:178 Resp: 83413

Ion Ratio Lower Upper

178 100

176 18.2 15.0 22.4

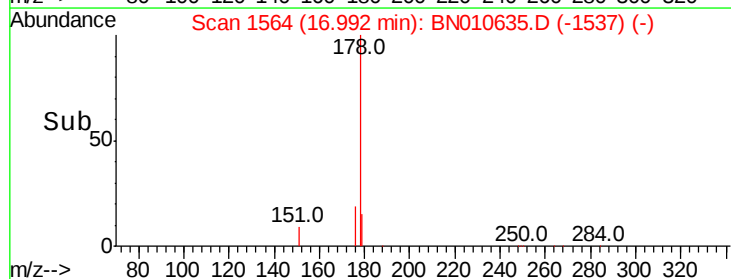
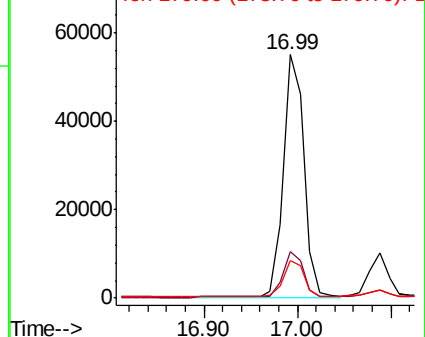
179 15.8 12.6 18.8

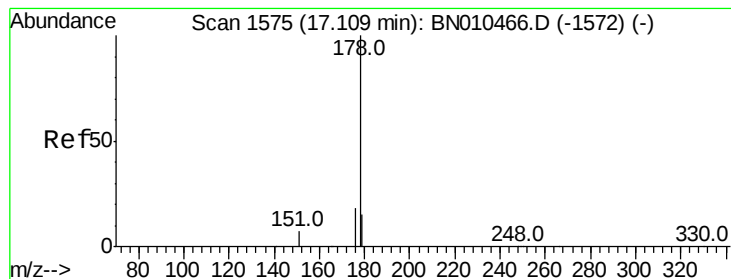


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.259 ng

RT: 17.09 min Scan# 1573

Delta R.T. -0.00 min

Lab File: BN010635.D

Acq: 28 Apr 2020 22:27

Instrument :

BNA_N

ClientSampleId :

WB-1-2

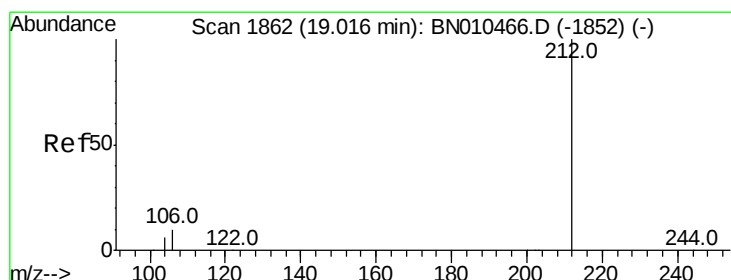
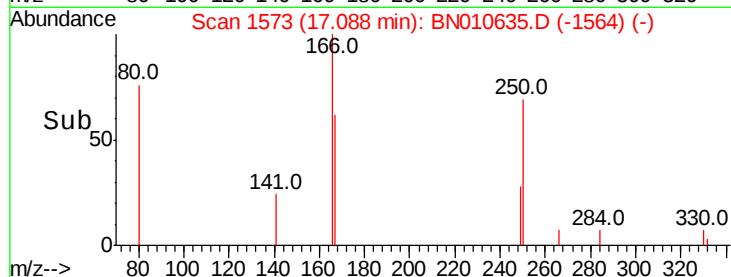
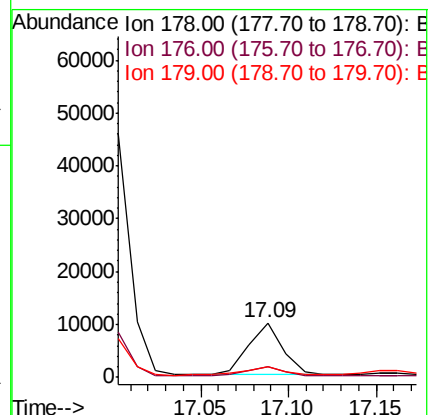
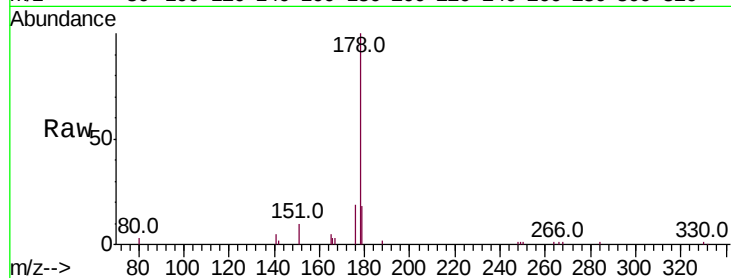
Tot Ion:178 Resp: 13592

Ion Ratio Lower Upper

178 100

176 19.1 14.6 21.8

179 17.3 12.2 18.2



#25

Fluoranthene-d10

Concen: 0.368 ng

RT: 19.00 min Scan# 1858

Delta R.T. -0.00 min

Lab File: BN010635.D

Acq: 28 Apr 2020 22:27

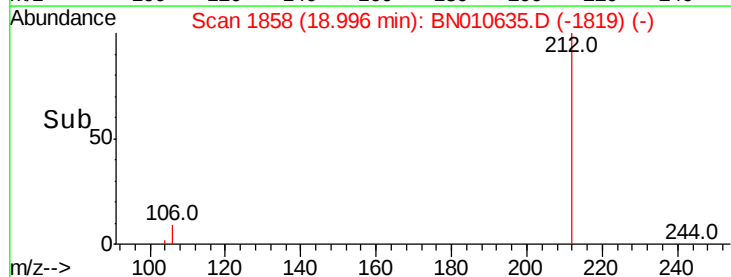
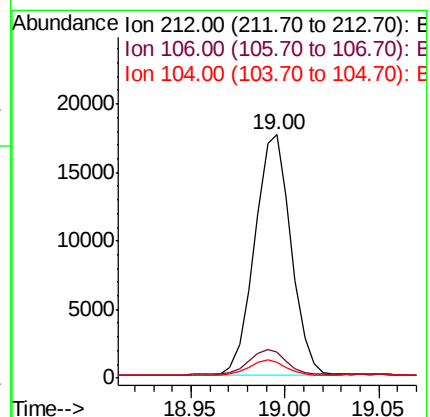
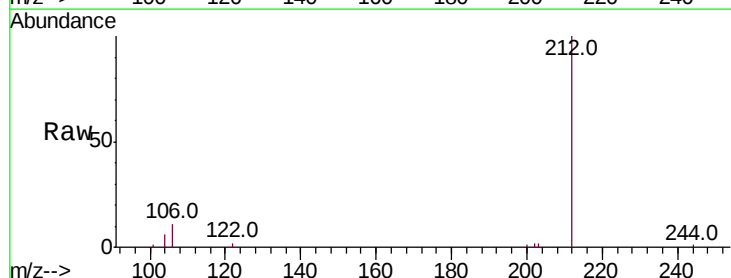
Tgt Ion:212 Resp: 23722

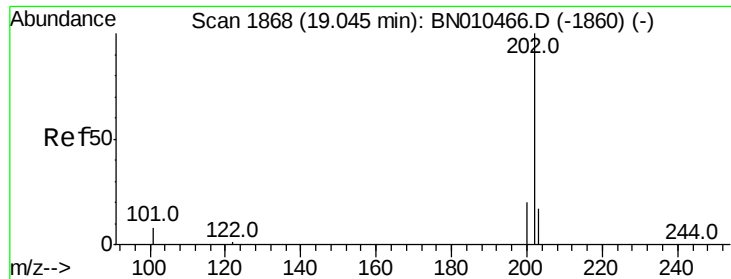
Ion Ratio Lower Upper

212 100

106 10.9 7.8 11.6

104 6.2 4.5 6.7

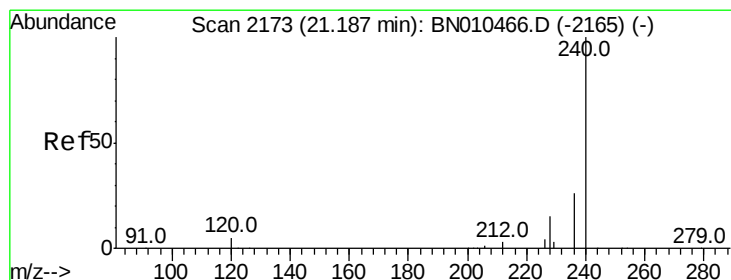
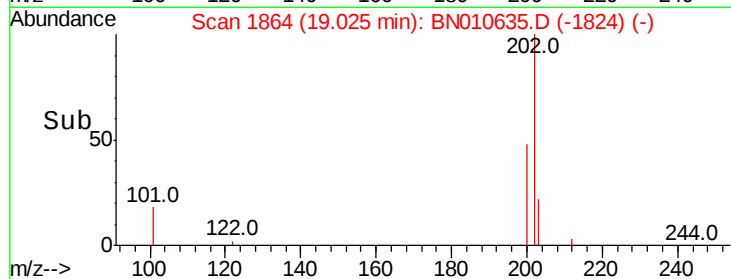
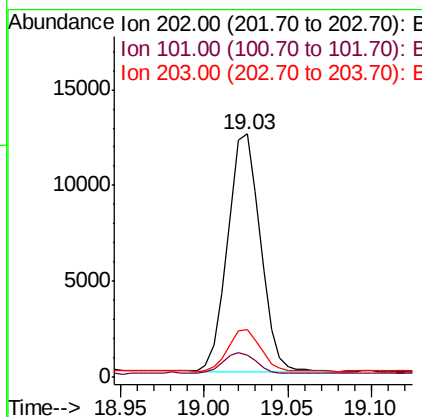
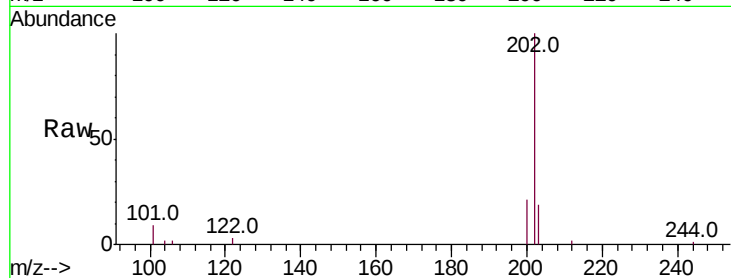




#26
 Fluoranthene
 Concen: 0.238 ng
 RT: 19.03 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: BN010635.D
 Acq: 28 Apr 2020 22:27

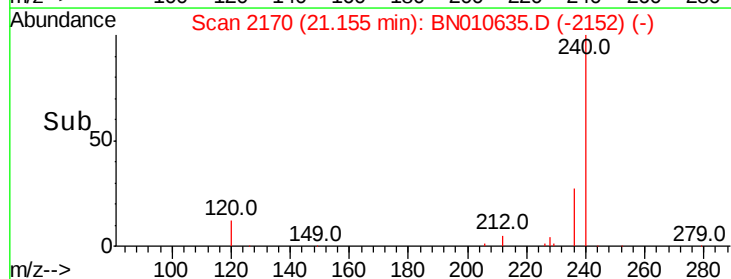
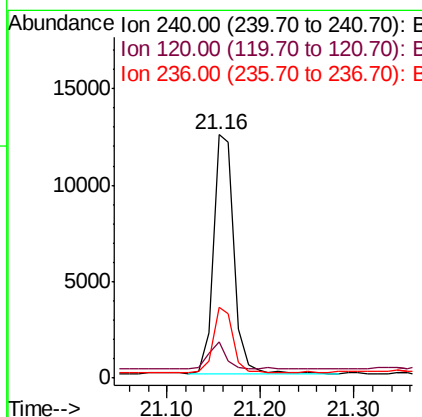
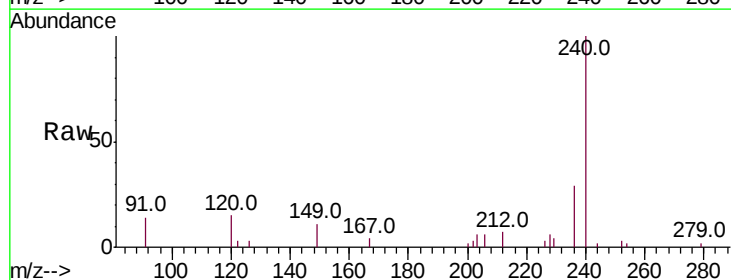
Instrument :
 BNA_N
 ClientSampleId :
 WB-1-2

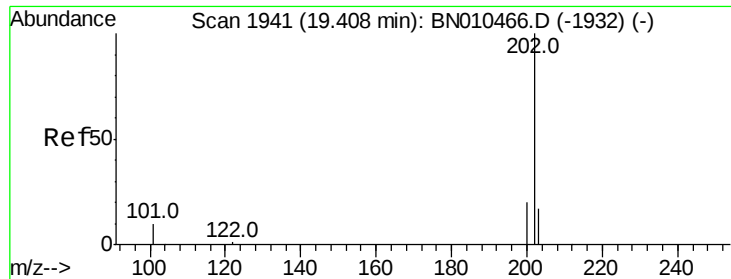
Tot Ion:202 Resp: 16962
 Ion Ratio Lower Upper
 202 100
 101 8.8 6.9 10.3
 203 17.6 13.9 20.9



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.16 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: BN010635.D
 Acq: 28 Apr 2020 22:27

Tgt Ion:240 Resp: 18922
 Ion Ratio Lower Upper
 240 100
 120 15.1 4.8 7.2#
 236 29.1 21.4 32.0





#28

Pvrene

Concen: 0.272 ng

RT: 19.39 min Scan# 1937

Delta R.T. -0.00 min

Lab File: BN010635.D

Acq: 28 Apr 2020 22:27

Instrument :

BNA_N

ClientSampleId :

WB-1-2

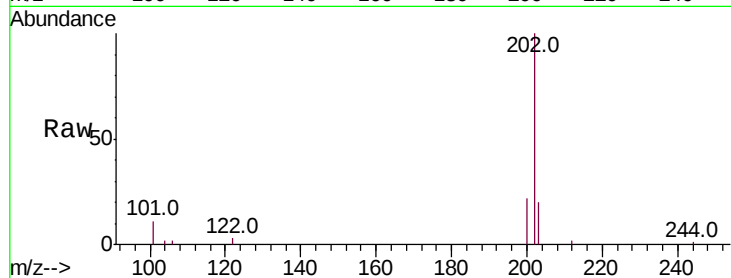
Tot Ion:202 Resp: 17300

Ion Ratio Lower Upper

202 100

200 21.7 16.3 24.5

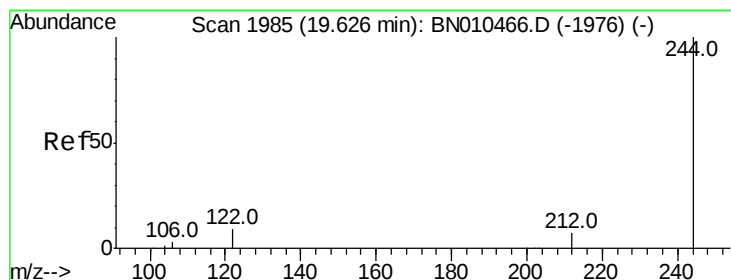
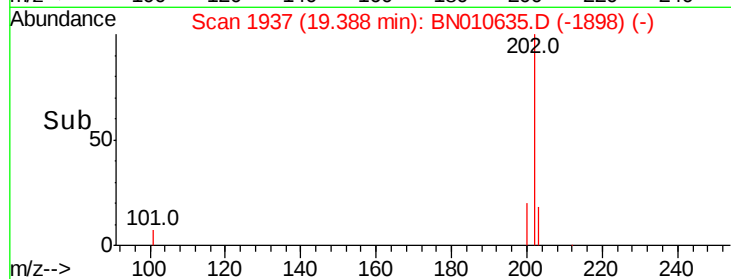
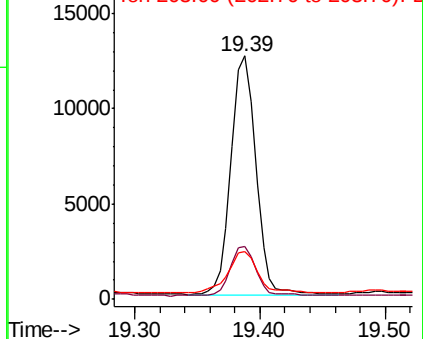
203 21.4 14.0 21.0#



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: 0.458 ng

RT: 19.61 min Scan# 1981

Delta R.T. -0.01 min

Lab File: BN010635.D

Acq: 28 Apr 2020 22:27

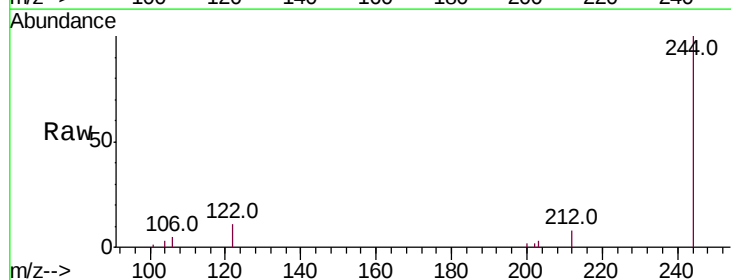
Tgt Ion:244 Resp: 19838

Ion Ratio Lower Upper

244 100

212 8.4 6.2 9.4

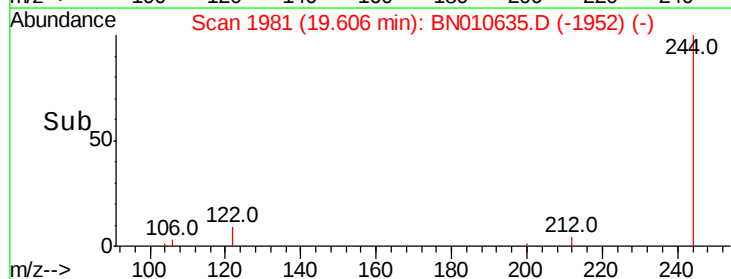
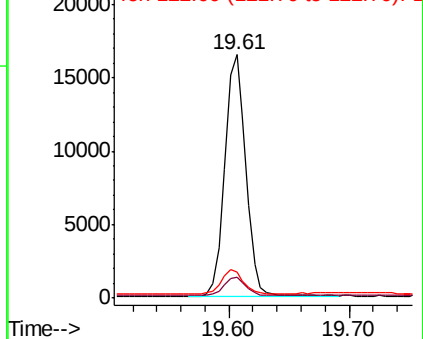
122 10.7 7.8 11.8

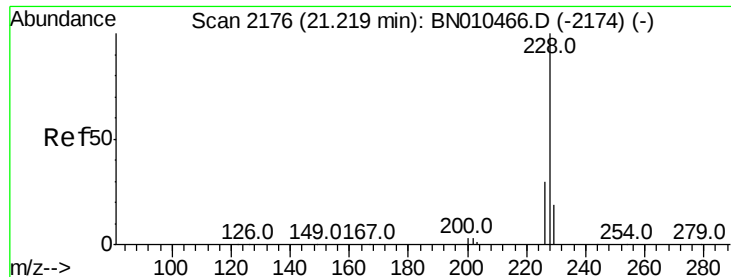


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#31

Chrysene

Concen: 0.024 ng

RT: 21.20 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BN010635.D

Acq: 28 Apr 2020 22:27

Instrument :

BNA_N

ClientSampleId :

WB-1-2

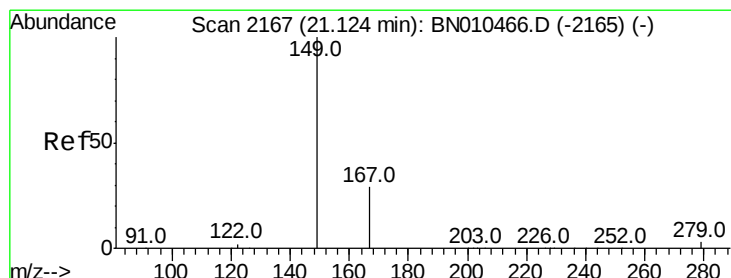
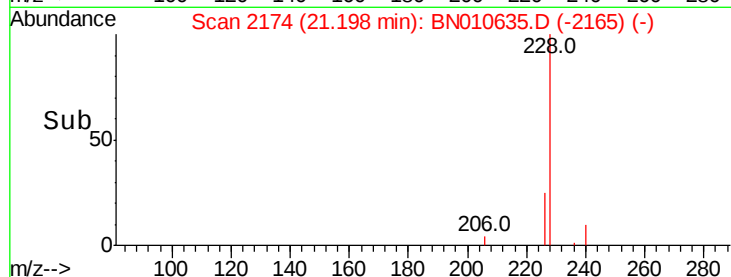
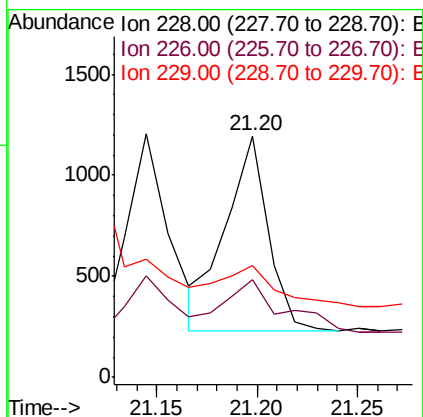
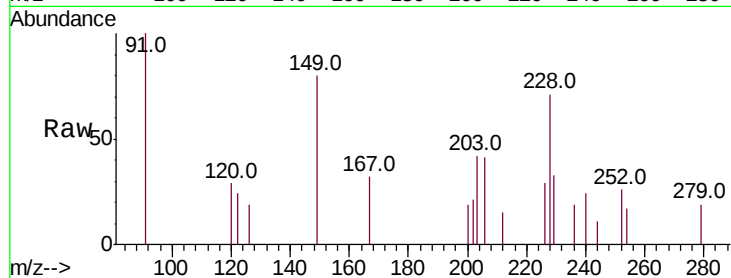
Tot Ion:228 Resp: 1447

Ion Ratio Lower Upper

228 100

226 40.4 24.0 36.0#

229 46.2 15.8 23.6#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.143 ng

RT: 21.10 min Scan# 2165

Delta R.T. -0.00 min

Lab File: BN010635.D

Acq: 28 Apr 2020 22:27

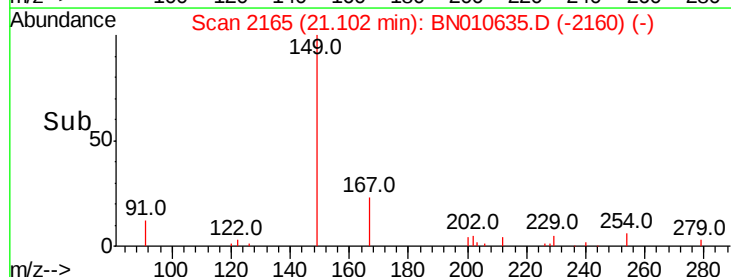
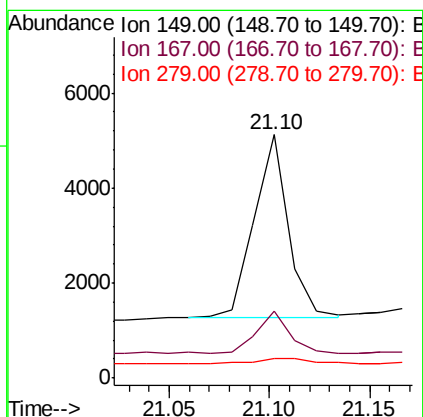
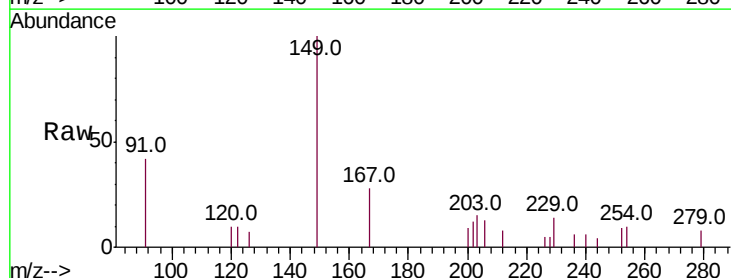
Tgt Ion:149 Resp: 4543

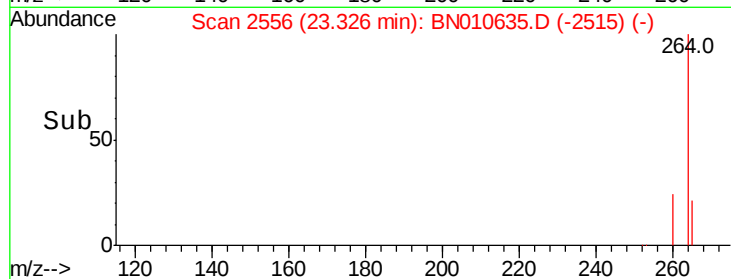
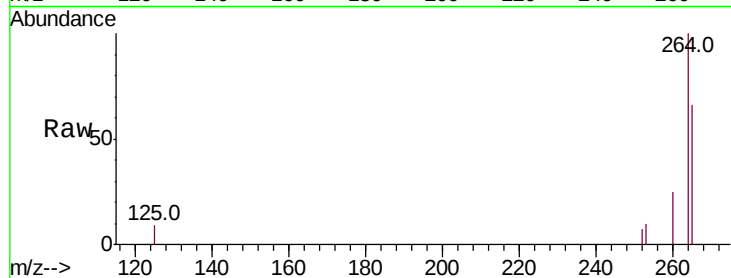
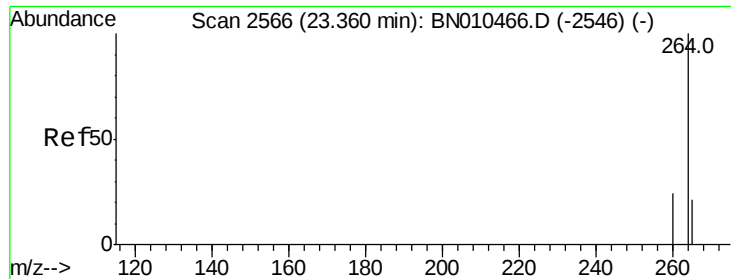
Ion Ratio Lower Upper

149 100

167 22.9 23.4 35.0#

279 4.3 4.0 6.0





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.33 min Scan# 2556

Delta R.T. -0.01 min

Lab File: BN010635.D

Acq: 28 Apr 2020 22:27

Instrument :

BNA_N

ClientSampleId :

WB-1-2

Tot Ion:264 Resp: 17122

Ion Ratio Lower Upper

264 100

260 24.8 19.8 29.8

265 65.8 42.3 63.5

