

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 :

Quant Time: Apr 29 02:03:53 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						
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

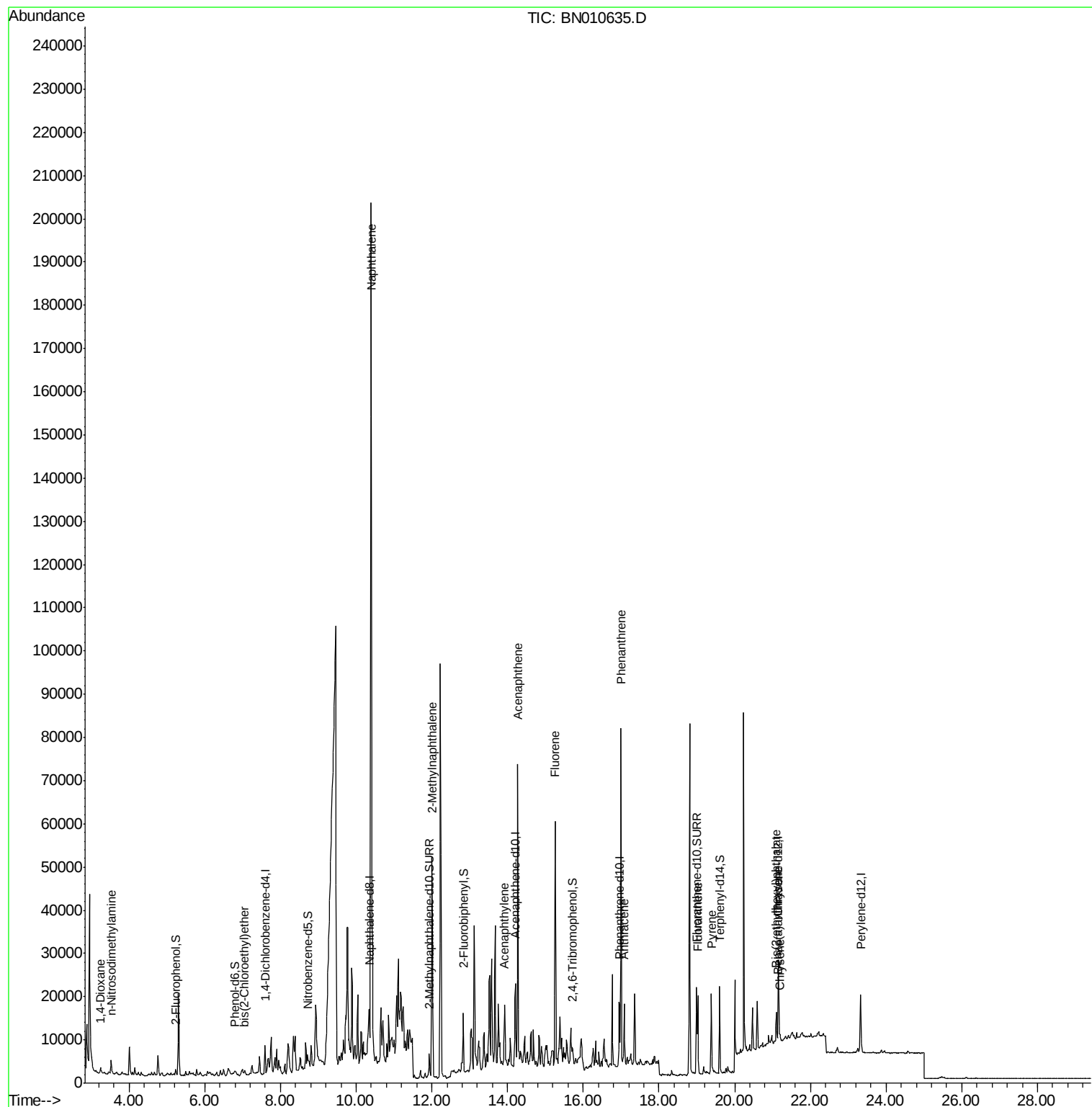
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.25	88	185	0.081	ng	# 1
3) n-Nitrosodimethylamine	3.52	42	390	0.262	ng	# 1
6) bis(2-Chloroethyl)ether	7.04	93	279	0.036	ng	# 30
9) Naphthalene	10.39	128	256499	7.904	ng	99
12) 2-Methylnaphthalene	12.01	142	37340	1.602	ng	99
16) Acenaphthylene	13.92	152	6988	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
30) Benzo(a)anthracene	21.14	228	1552	0.025	ng	# 57
31) Chrysene	21.20	228	1447	0.024	ng	# 65
32) Bis(2-ethylhexyl)phthalate	21.10	149	4543	0.143	ng	# 90

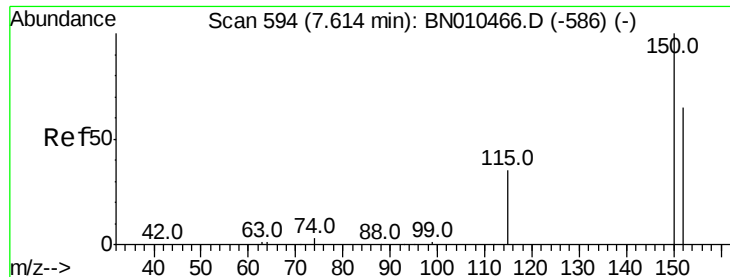
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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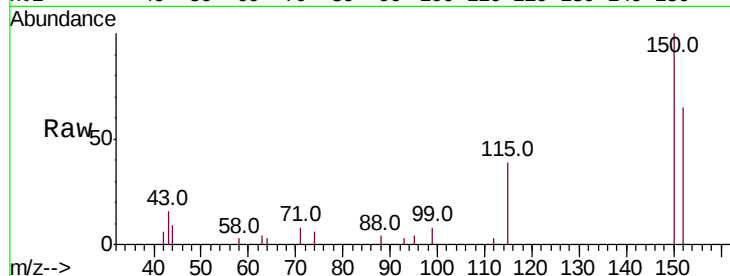


#1

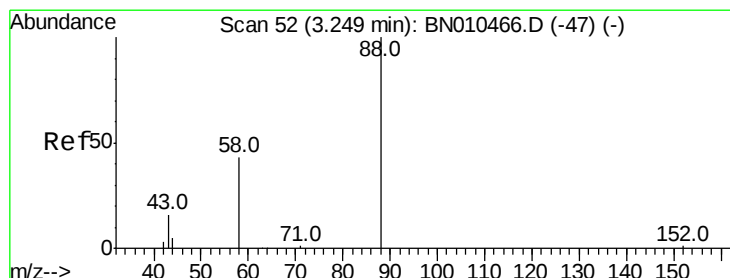
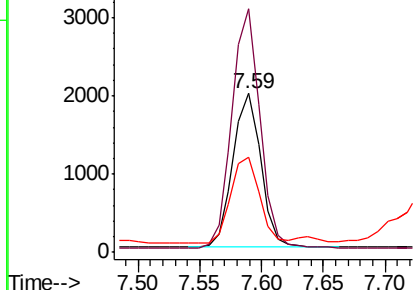
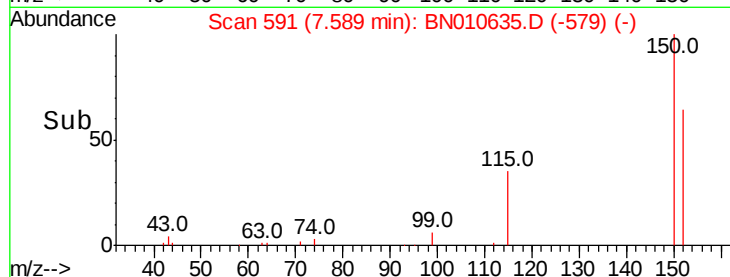
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.59 min Scan# 591
Delta R.T. -0.00 min
Lab File: BN010635.D
Acq: 28 Apr 2020 22:27

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 3117
Ion Ratio Lower Upper
152 100
150 153.1 121.8 182.6
115 60.1 45.5 68.3



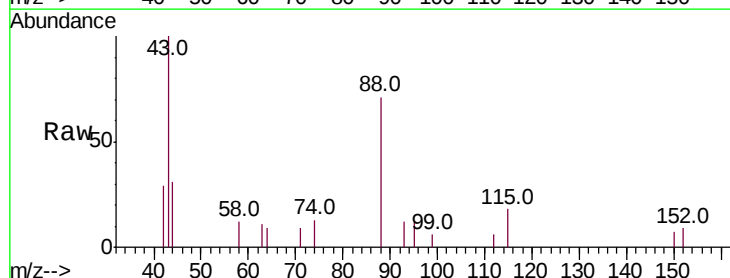
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



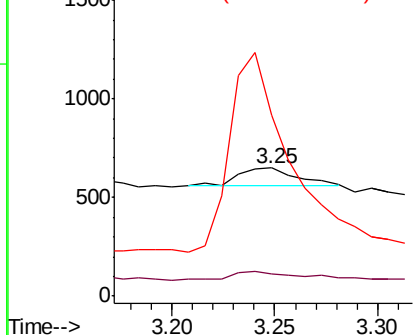
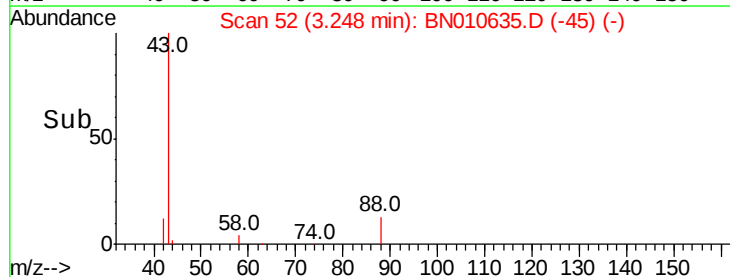
#2

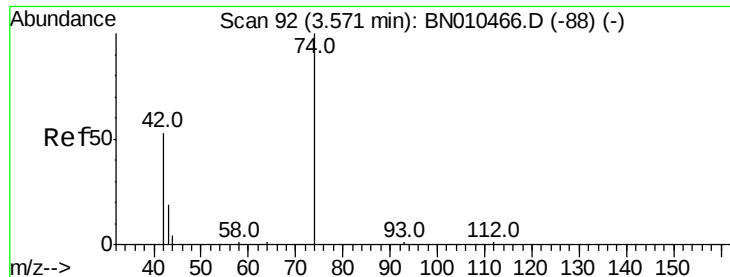
1,4-Dioxane
Concen: 0.081 ng
RT: 3.25 min Scan# 52
Delta R.T. 0.01 min
Lab File: BN010635.D
Acq: 28 Apr 2020 22:27

Tgt Ion: 88 Resp: 185
Ion Ratio Lower Upper
88 100
58 44.3 36.5 54.7
43 1071.9 13.2 19.8#



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



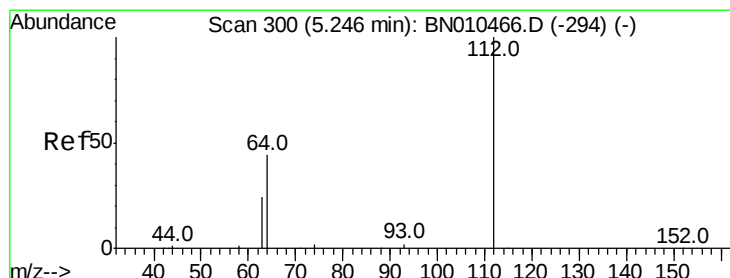
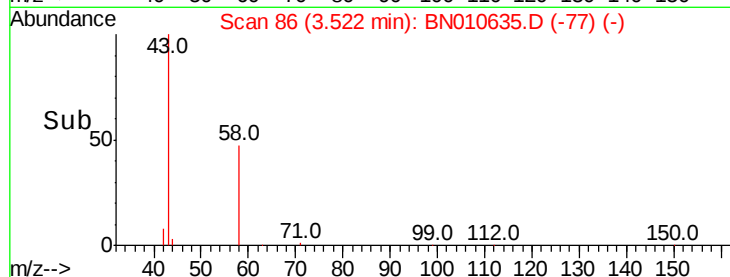
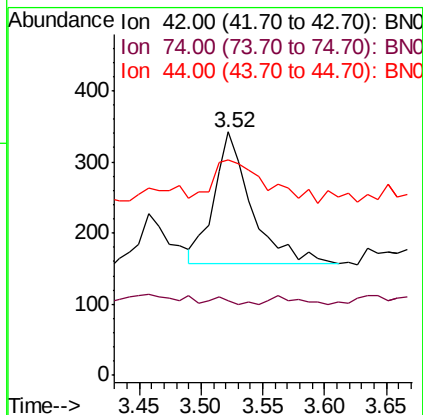
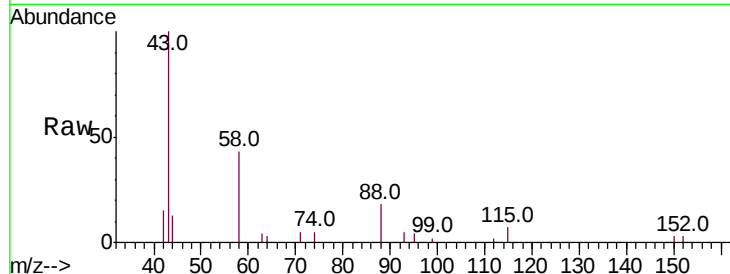


#3

n-Nitrosodimethylamine
 Concen: 0.262 ng
 RT: 3.52 min Scan# 86
 Delta R.T. -0.02 min
 Lab File: BN010635.D
 Acq: 28 Apr 2020 22:27

Instrument :
 BNA_N
 ClientSampleId :

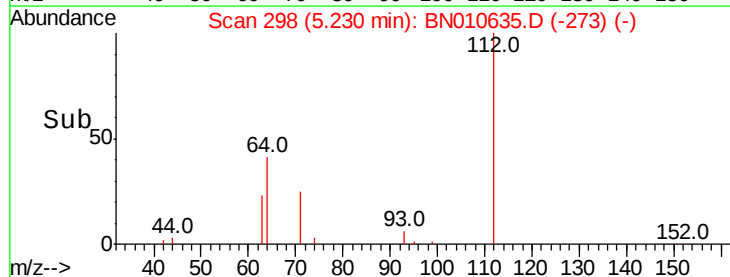
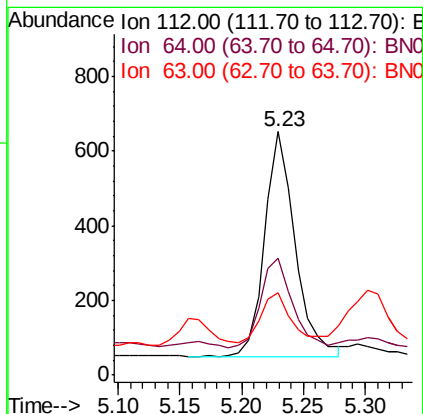
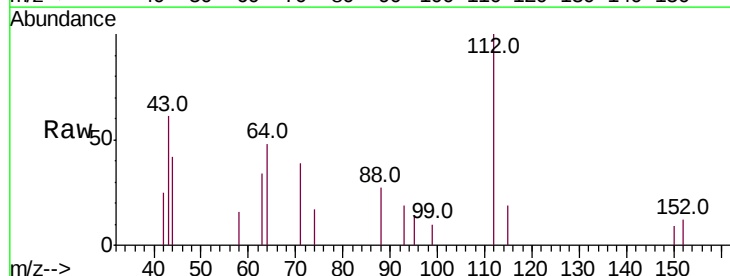
Tot Ion: 42 Resp: 390
 Ion Ratio Lower Upper
 42 100
 74 3.1 162.2 243.4#
 44 48.5 2.4 3.6#

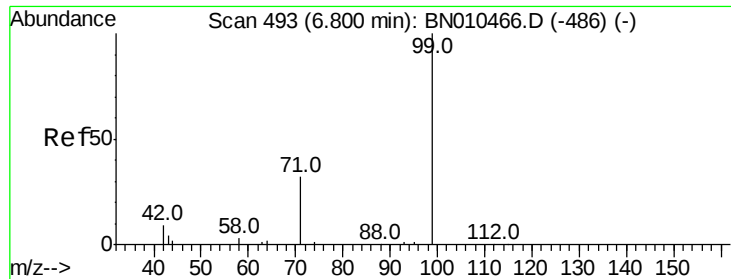


#4

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: 112 Resp: 1034
 Ion Ratio Lower Upper
 112 100
 64 43.3 35.8 53.8
 63 22.1 19.9 29.9





#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 :

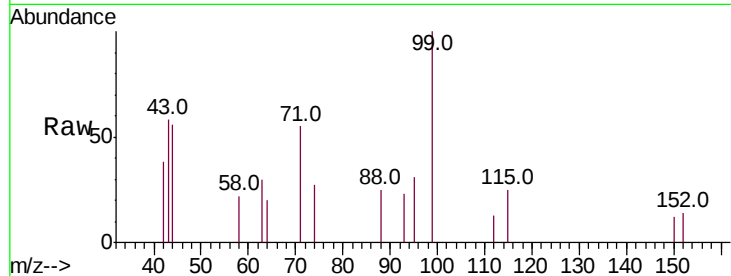
Tot Ion: 99 Resp: 790

Ion Ratio Lower Upper

99 100

42 19.9 9.8 14.6#

71 43.5 27.8 41.8#

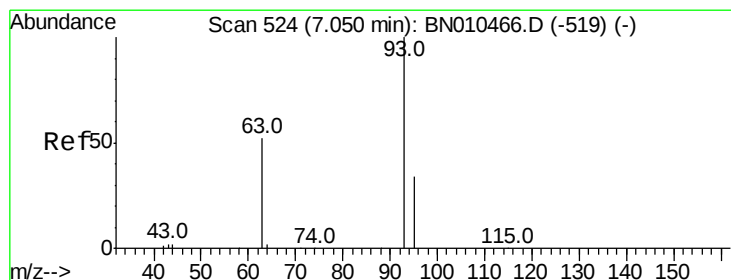
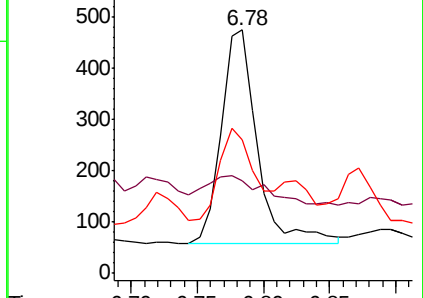
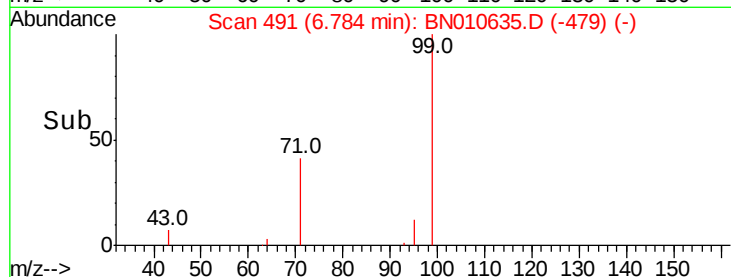


Abundance Ion 99.00 (98.70 to 99.70): BN010466.D (-486) (-)

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

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

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.036 ng

RT: 7.04 min Scan# 523

Delta R.T. 0.02 min

Lab File: BN010635.D

Acq: 28 Apr 2020 22:27

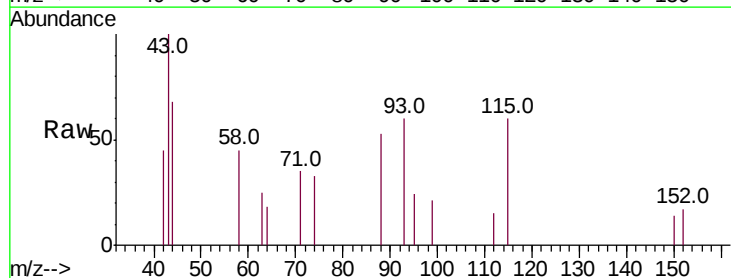
Tgt Ion: 93 Resp: 279

Ion Ratio Lower Upper

93 100

63 0.0 44.6 66.8#

95 0.0 26.5 39.7#

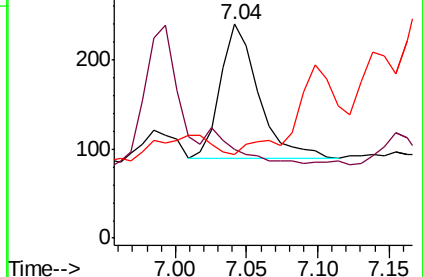
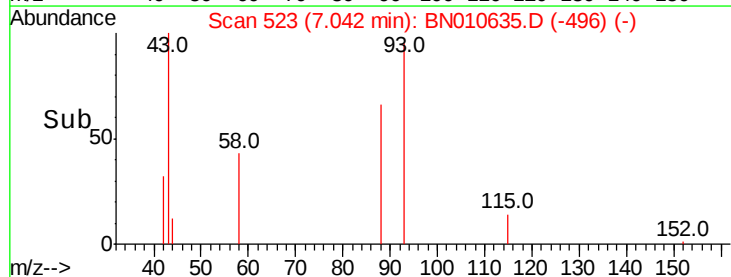


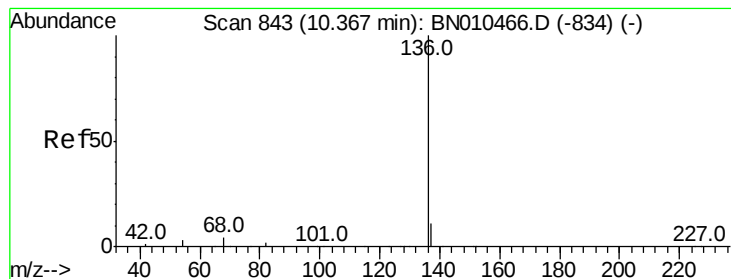
Abundance Ion 93.00 (92.70 to 93.70): BN010466.D (-519) (-)

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

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

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

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 13066

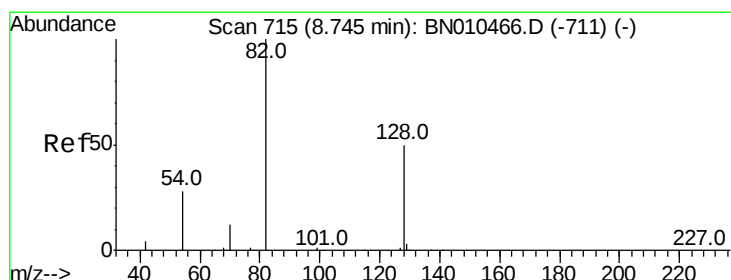
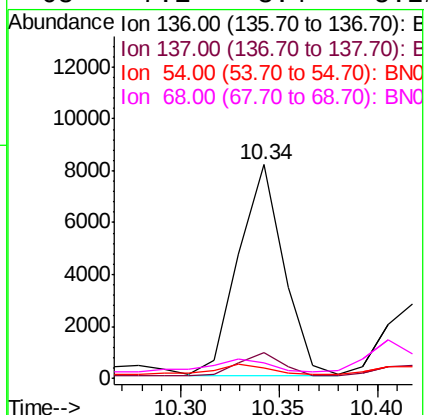
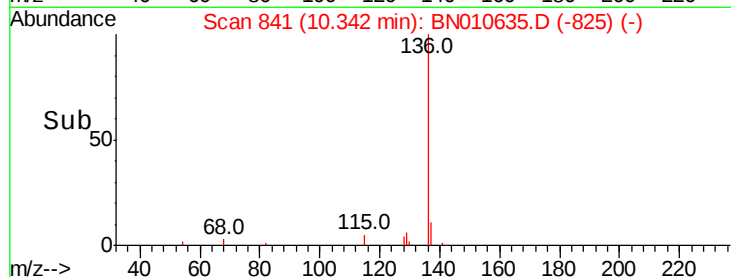
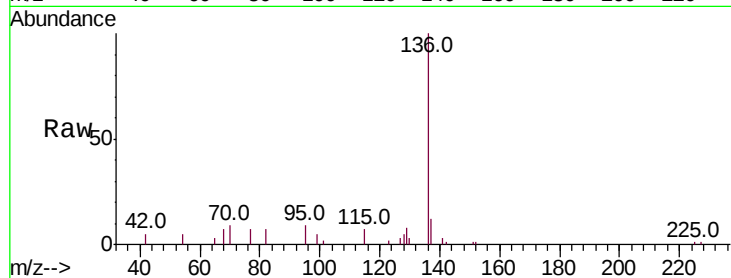
Ion Ratio Lower Upper

136 100

137 11.8 8.9 13.3

54 4.9 2.6 4.0#

68 7.1 3.4 5.2#



#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

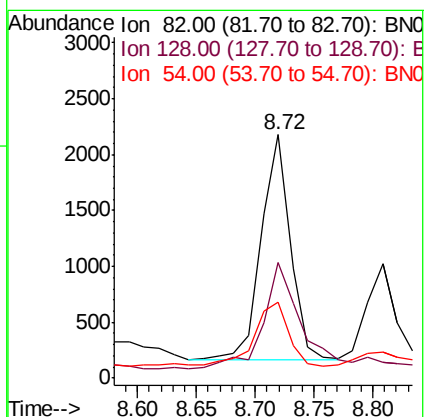
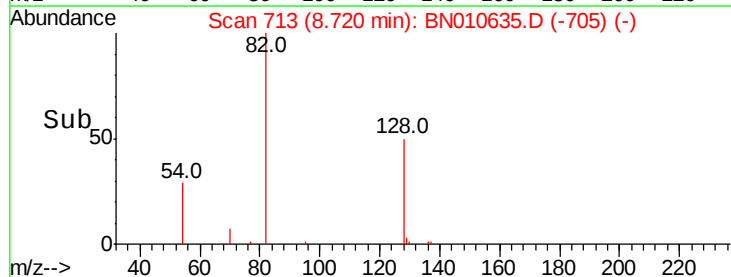
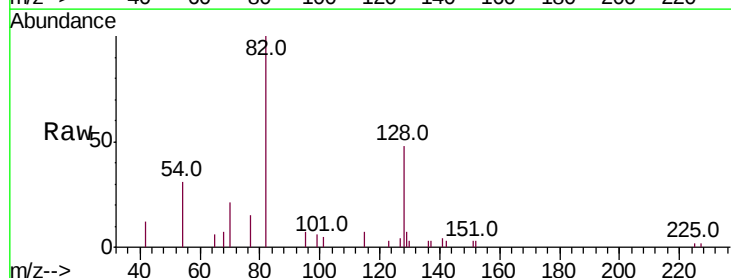
Tgt Ion: 82 Resp: 3465

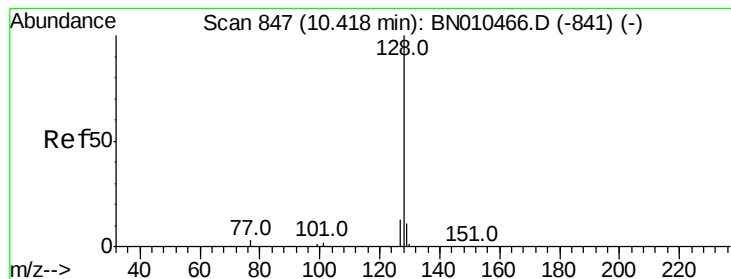
Ion Ratio Lower Upper

82 100

128 47.7 41.3 61.9

54 31.0 23.4 35.0





#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

Instrument :

BNA_N

ClientSampleId :

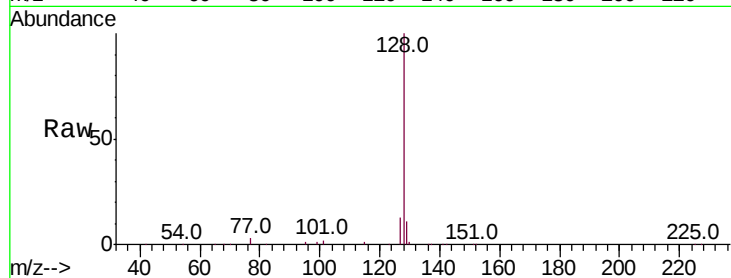
Tot Ion:128 Resp: 256499

Ion Ratio Lower Upper

128 100

129 11.2 9.3 13.9

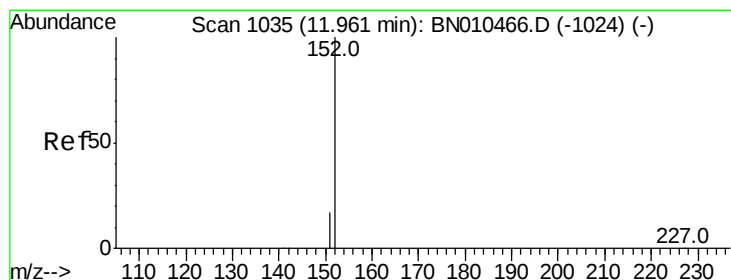
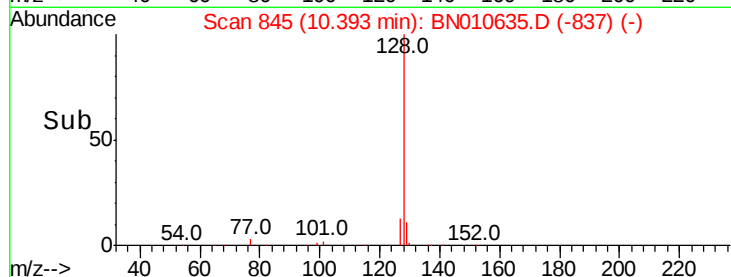
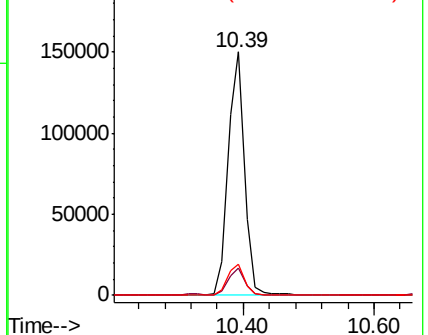
127 13.1 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene-d10

Concen: 0.351 ng

RT: 11.93 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BN010635.D

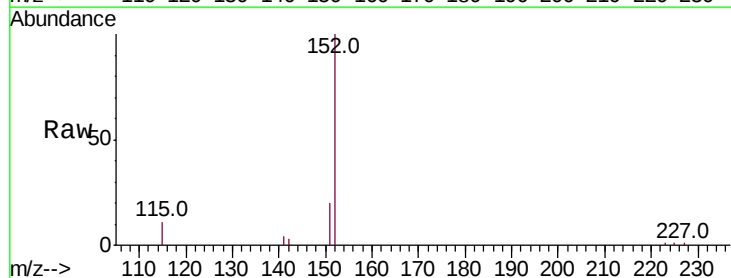
Acq: 28 Apr 2020 22:27

Tgt Ion:152 Resp: 7538

Ion Ratio Lower Upper

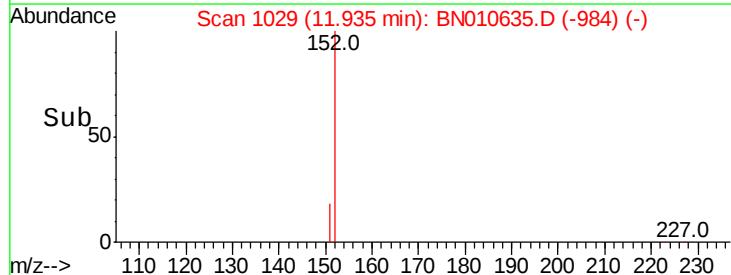
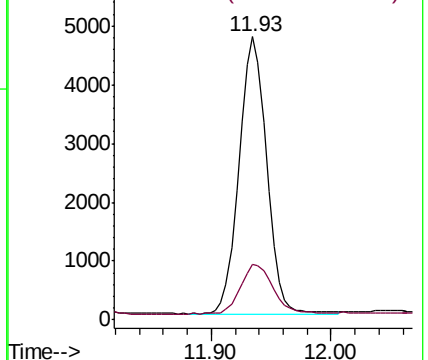
152 100

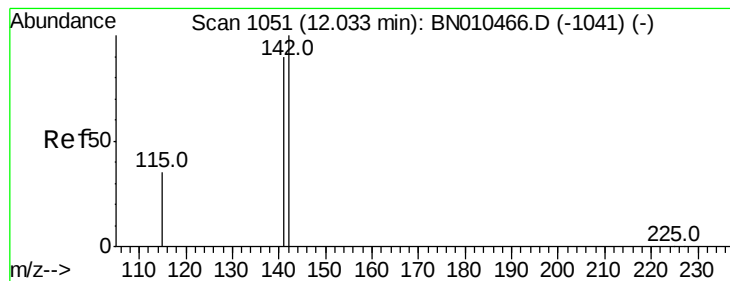
151 21.7 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#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

Instrument :

BNA_N

ClientSampleId :

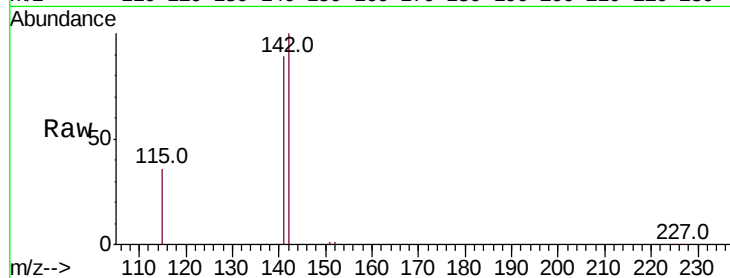
Tot Ion:142 Resp: 37340

Ion Ratio Lower Upper

142 100

141 89.0 71.9 107.9

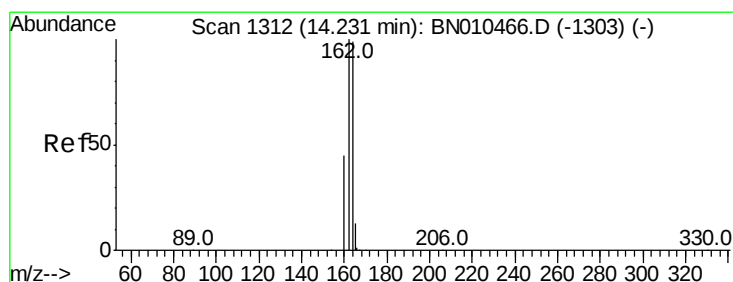
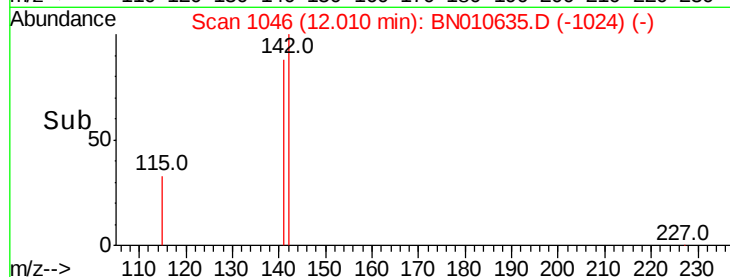
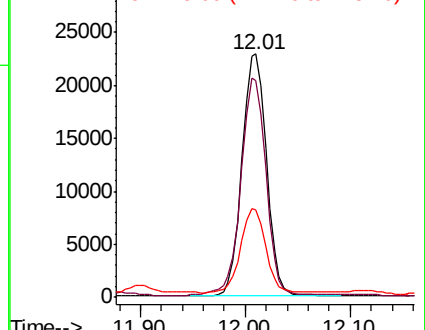
115 35.7 28.8 43.2



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: 14.21 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BN010635.D

Acq: 28 Apr 2020 22:27

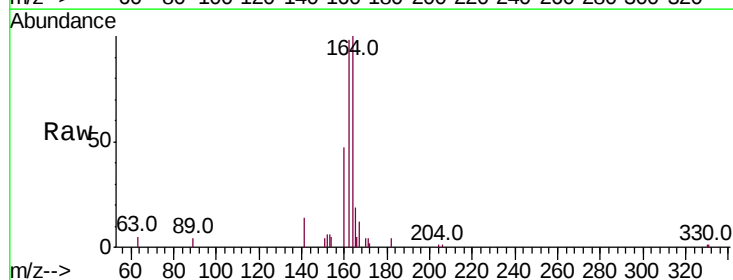
Tgt Ion:164 Resp: 10770

Ion Ratio Lower Upper

164 100

162 97.7 80.6 121.0

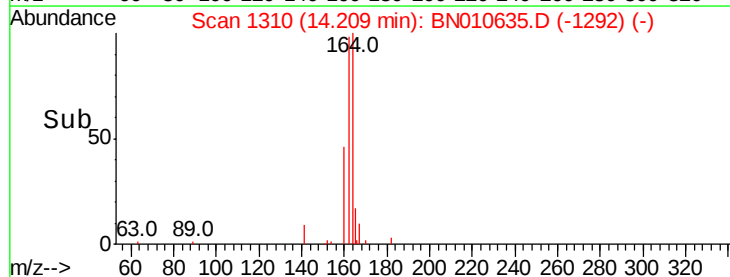
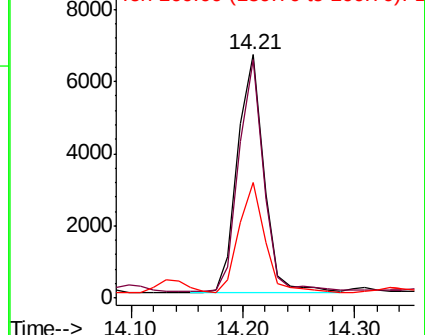
160 47.5 36.5 54.7

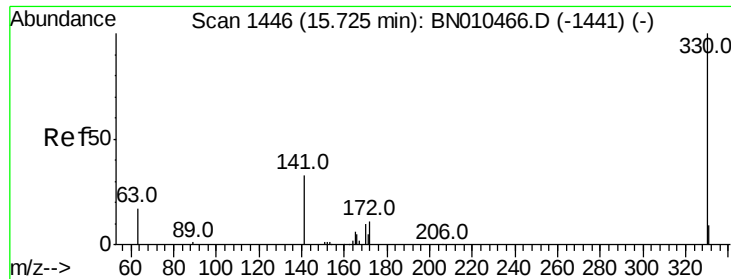


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

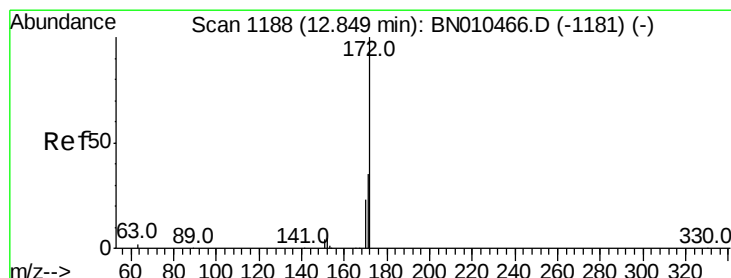
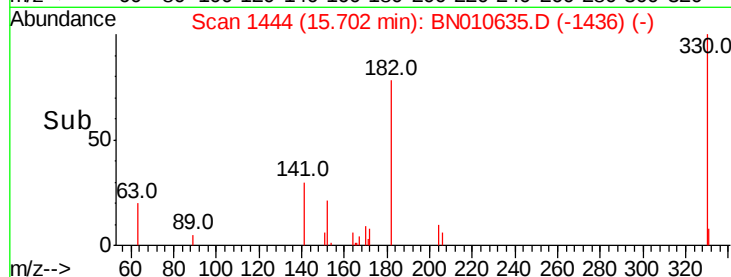
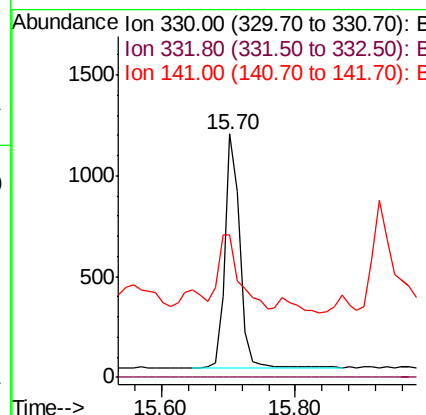
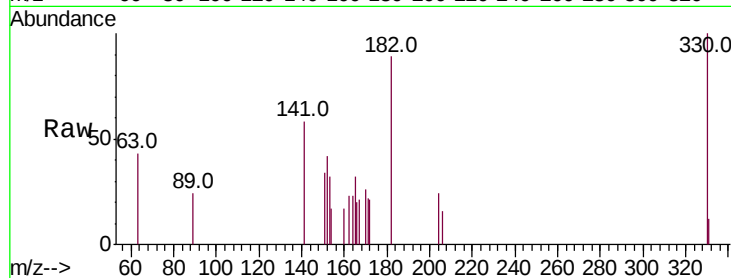




#14
2,4,6-Tribromophenol
Concen: 0.354 ng
RT: 15.70 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BN010635.D
Acq: 28 Apr 2020 22:27

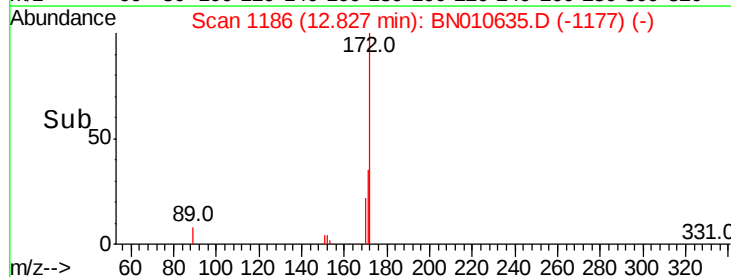
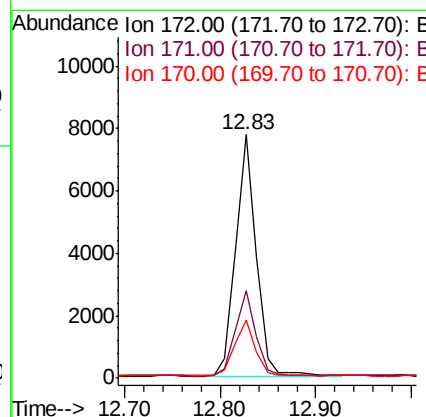
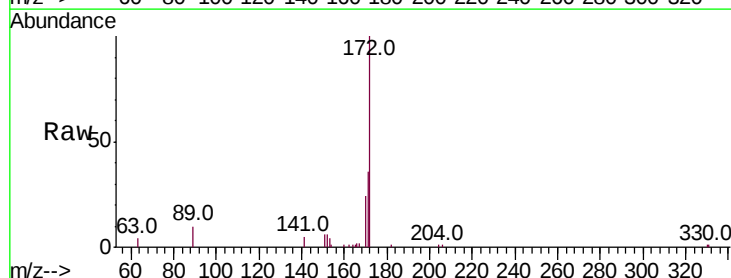
Instrument :
BNA_N
ClientSampleId :

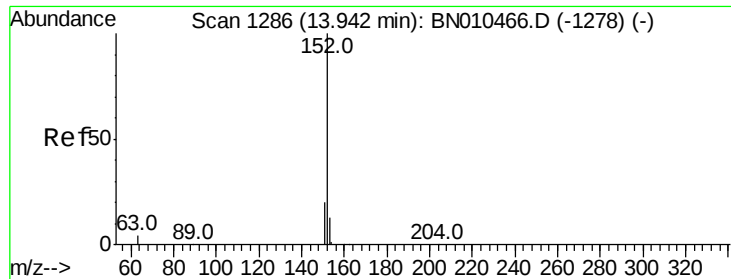
Tot Ion:330 Resp: 1797
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 44.7 28.1 42.1#



#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

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

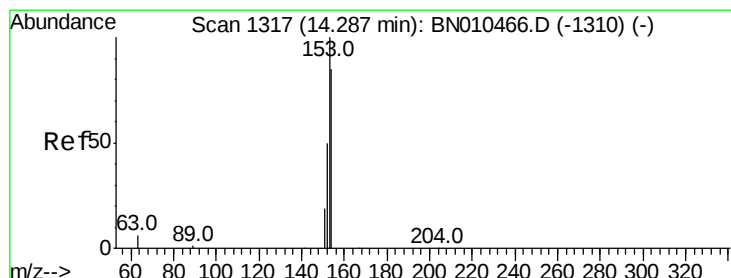
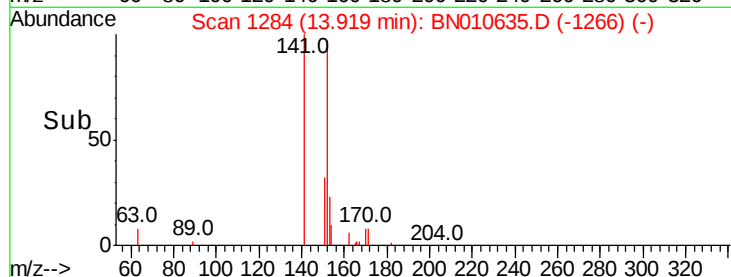
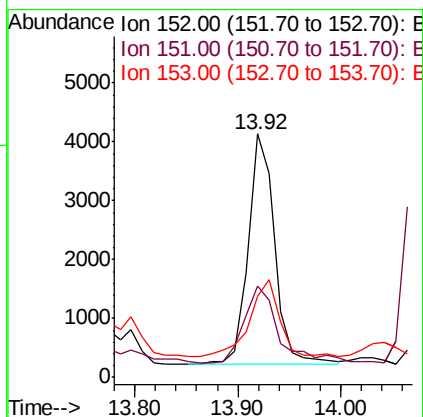
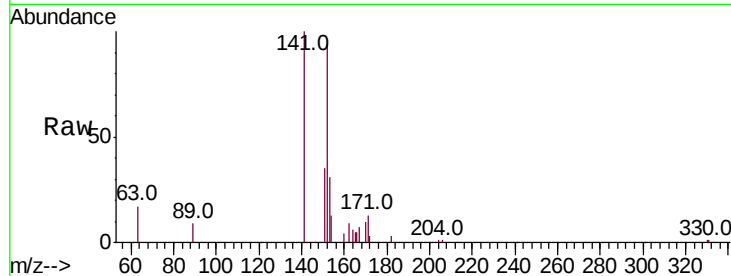




#16
Acenaphthylene
Concen: 0.150 ng
RT: 13.92 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN010635.D
Acq: 28 Apr 2020 22:27

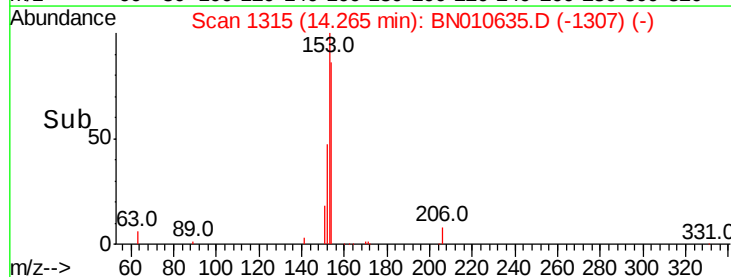
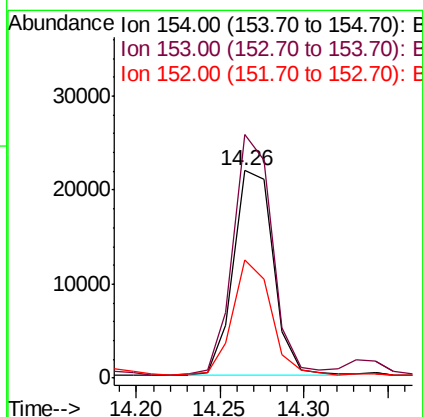
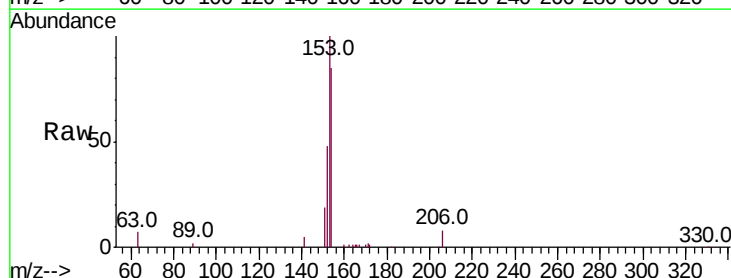
Instrument :
BNA_N
ClientSampled :

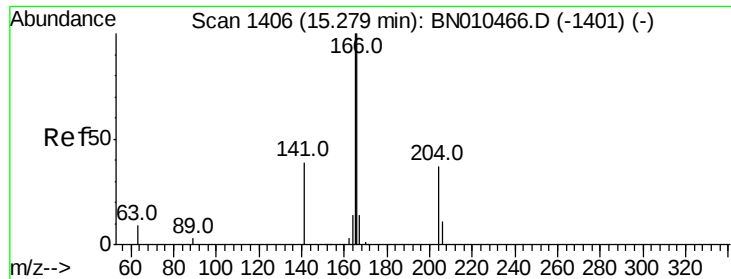
Tot Ion:152 Resp: 6988
Ion Ratio Lower Upper
152 100
151 43.2 15.7 23.5#
153 37.1 10.6 15.8#



#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

Tgt Ion:154 Resp: 36143
Ion Ratio Lower Upper
154 100
153 114.2 91.0 136.4
152 55.4 44.6 67.0

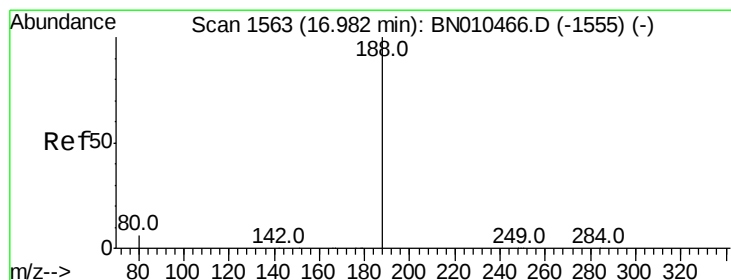
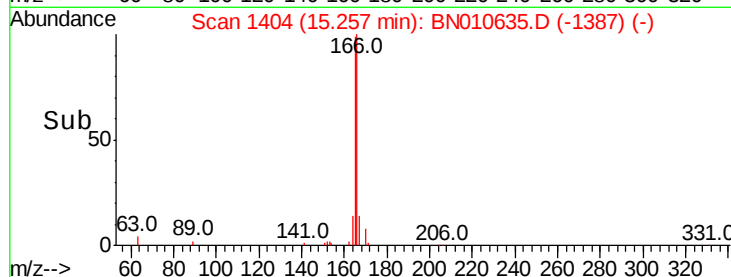
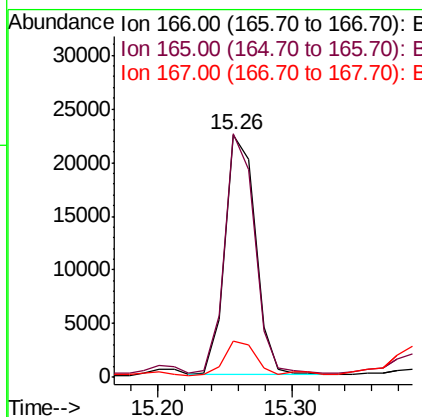
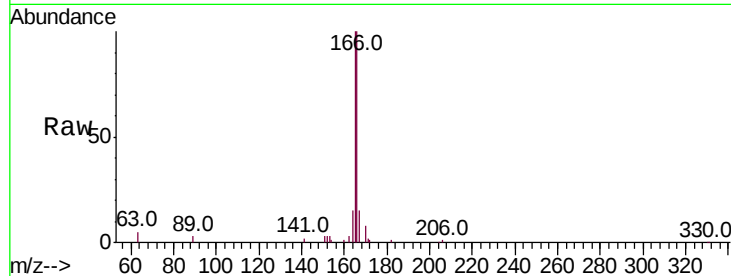




#18
 Fluorene
 Concen: 0.907 ng
 RT: 15.26 min Scan# 1404
 Delta R.T. -0.01 min
 Lab File: BN010635.D
 Acq: 28 Apr 2020 22:27

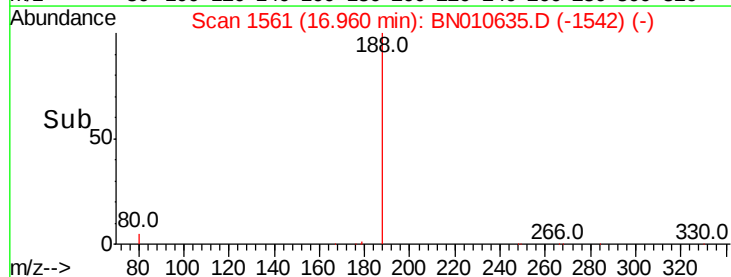
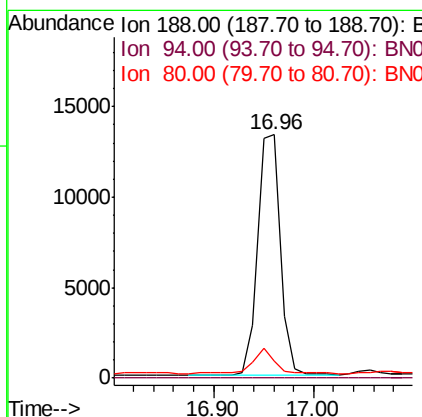
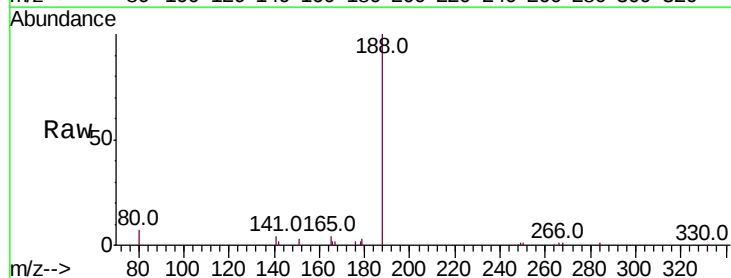
Instrument :
 BNA_N
 ClientSampleId :

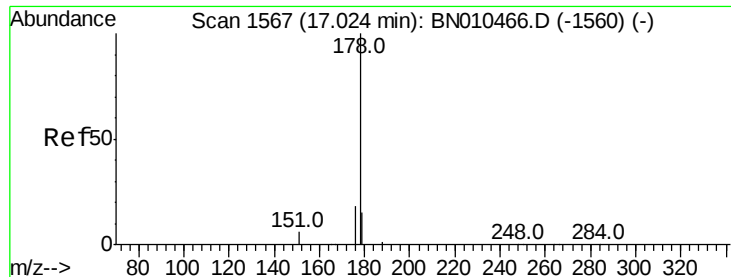
Tot Ion:166 Resp: 35501
 Ion Ratio Lower Upper
 166 100
 165 97.8 78.4 117.6
 167 15.8 10.9 16.3



#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

Tgt Ion:188 Resp: 21237
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 7.1 5.0 7.6





#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

Instrument :

BNA_N

ClientSampleId :

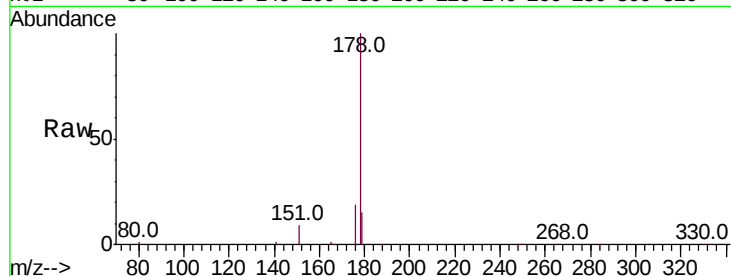
Tot Ion:178 Resp: 83413

Ion Ratio Lower Upper

178 100

176 18.2 15.0 22.4

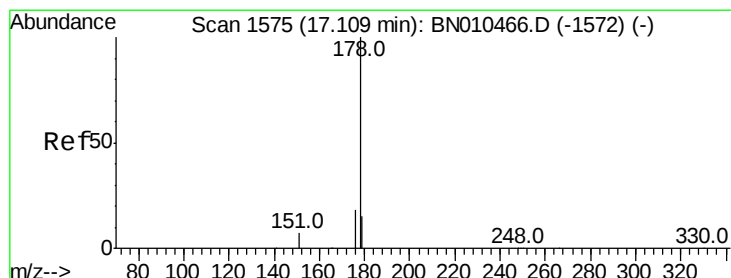
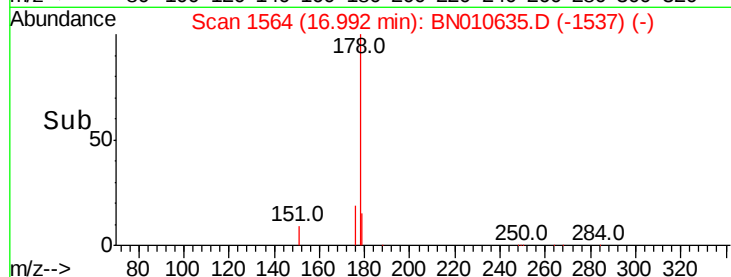
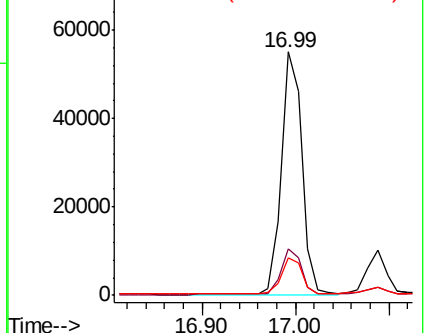
179 15.8 12.6 18.8



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

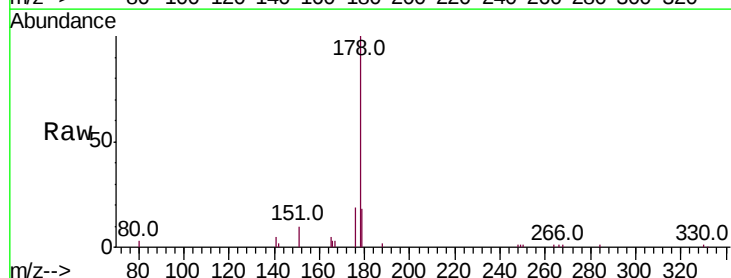
Tgt Ion:178 Resp: 13592

Ion Ratio Lower Upper

178 100

176 19.1 14.6 21.8

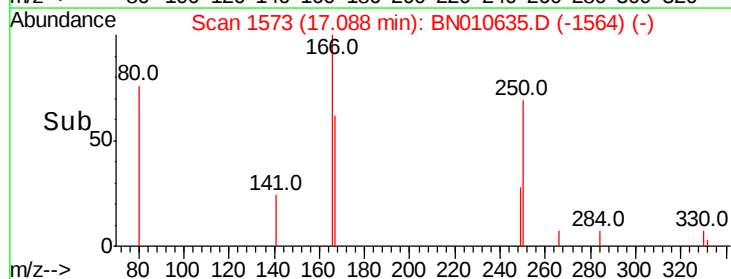
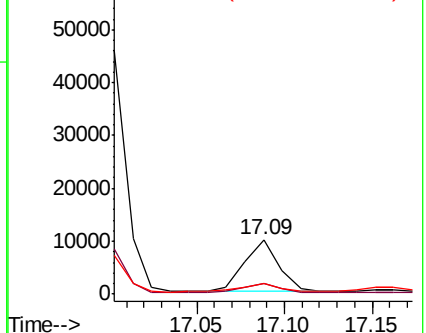
179 17.3 12.2 18.2

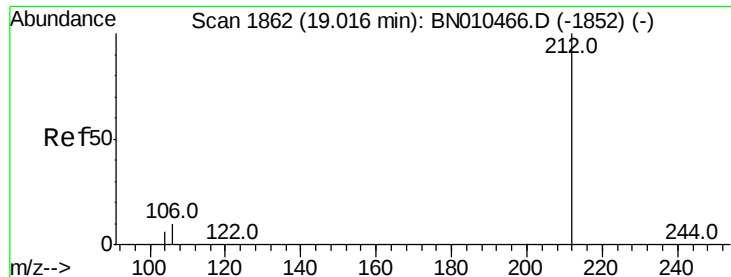


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.368 ng

RT: 19.00 min Scan# 1858

Delta R.T. -0.00 min

Lab File: BN010635.D

Acq: 28 Apr 2020 22:27

Instrument :

BNA_N

ClientSampleId :

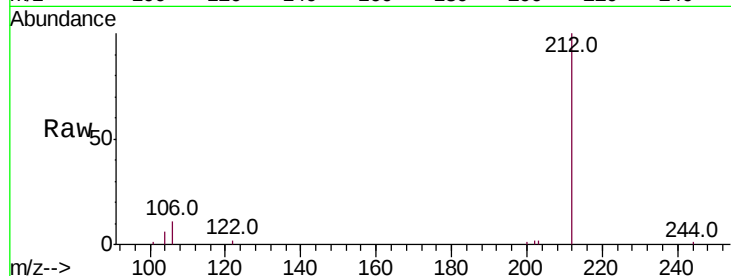
Tot Ion:212 Resp: 23722

Ion Ratio Lower Upper

212 100

106 10.9 7.8 11.6

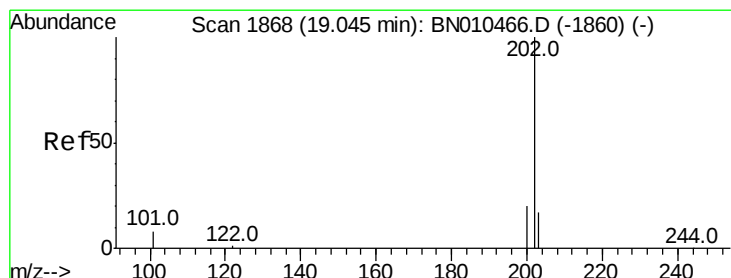
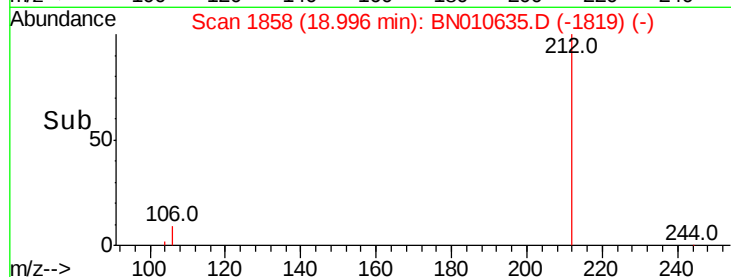
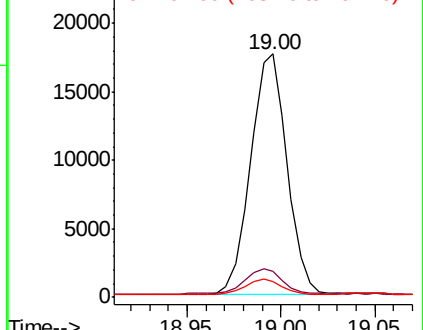
104 6.2 4.5 6.7



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#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

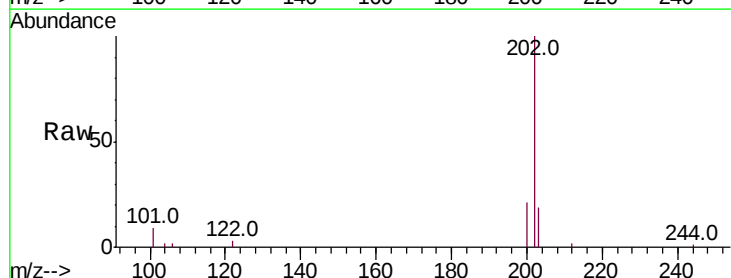
Tgt Ion:202 Resp: 16962

Ion Ratio Lower Upper

202 100

101 8.8 6.9 10.3

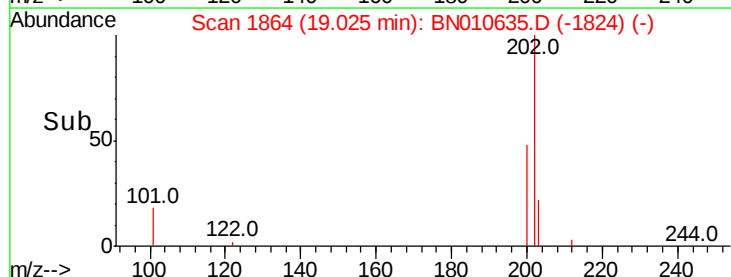
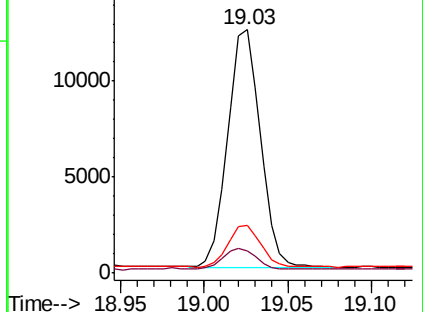
203 17.6 13.9 20.9

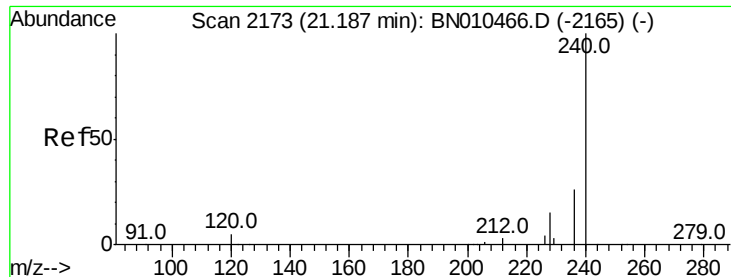


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#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

Instrument :

BNA_N

ClientSampleId :

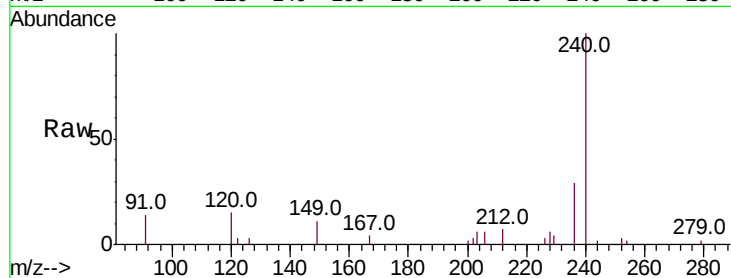
Tot Ion:240 Resp: 18922

Ion Ratio Lower Upper

240 100

120 15.1 4.8 7.2#

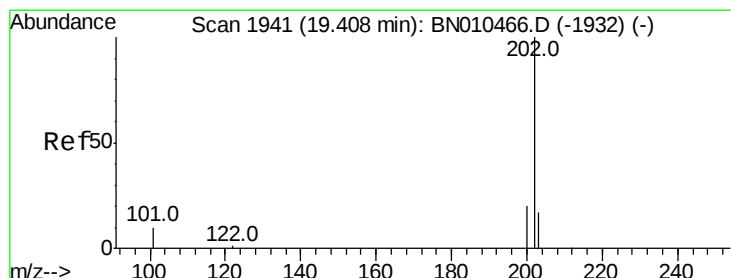
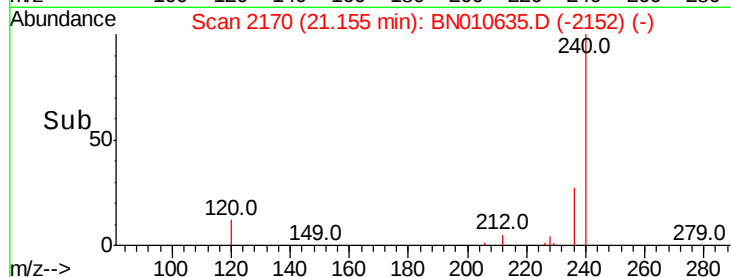
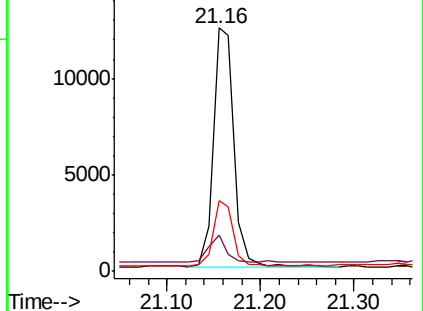
236 29.1 21.4 32.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

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

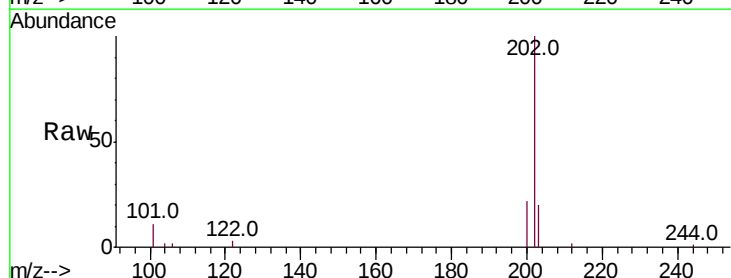
Tgt Ion:202 Resp: 17300

Ion Ratio Lower Upper

202 100

200 21.7 16.3 24.5

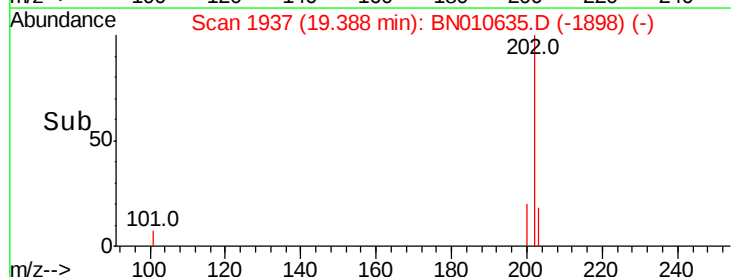
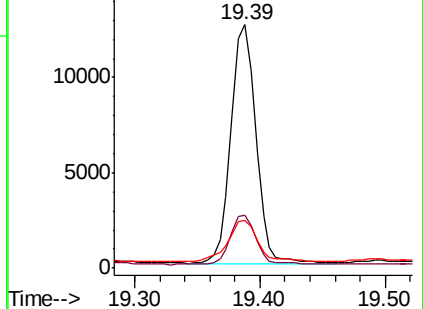
203 21.4 14.0 21.0#

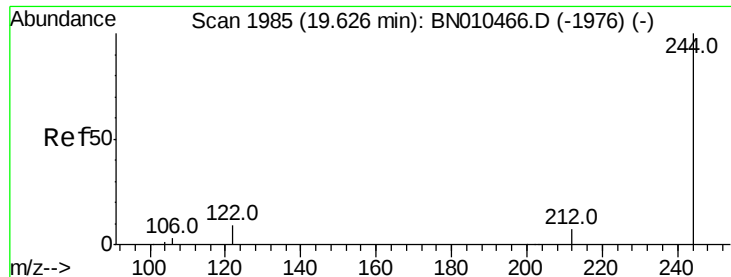


Abundance Ion 202.00 (201.70 to 202.70): E

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

Instrument :

BNA_N

ClientSampleId :

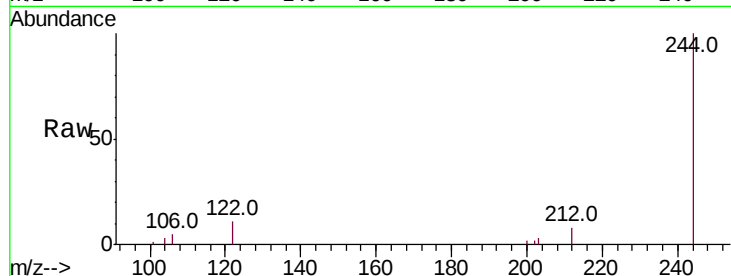
Tot Ion:244 Resp: 19838

Ion Ratio Lower Upper

244 100

212 8.4 6.2 9.4

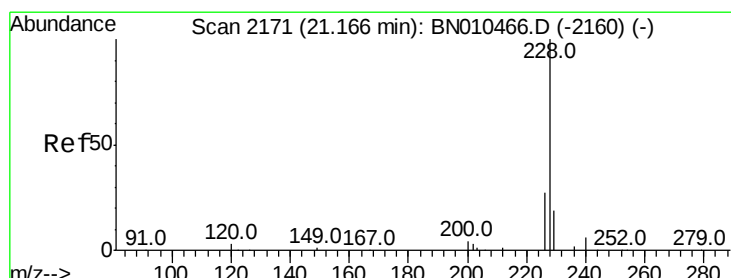
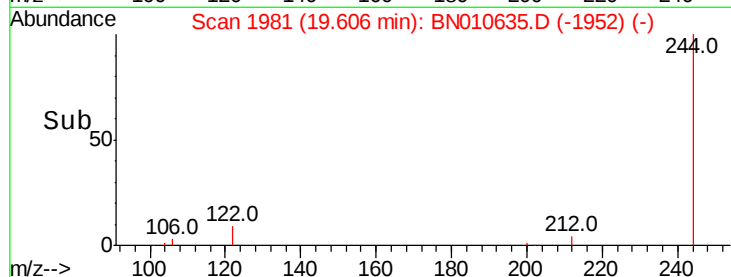
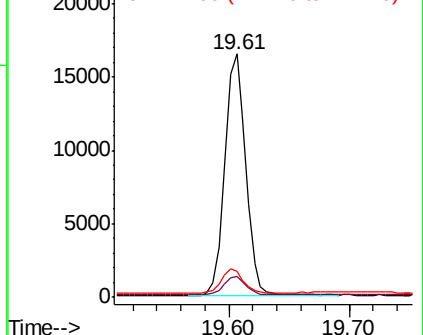
122 10.7 7.8 11.8



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



#30

Benzo(a)anthracene

Concen: 0.025 ng

RT: 21.14 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN010635.D

Acq: 28 Apr 2020 22:27

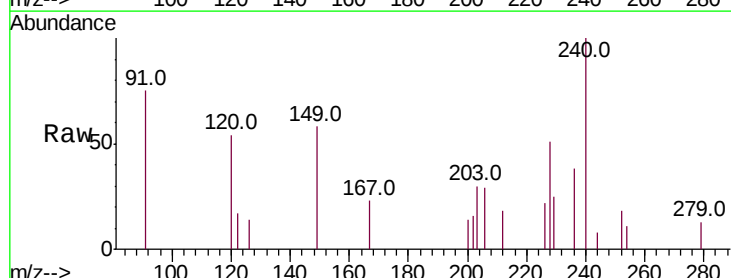
Tgt Ion:228 Resp: 1552

Ion Ratio Lower Upper

228 100

226 41.9 21.7 32.5#

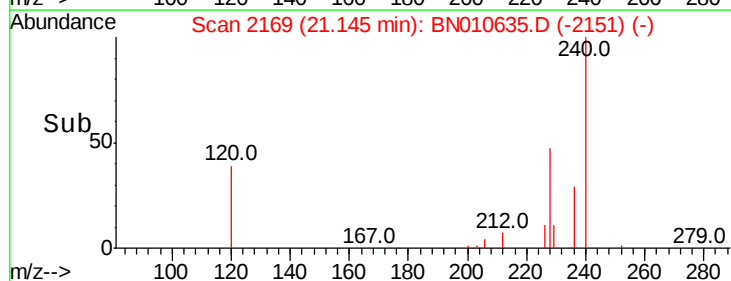
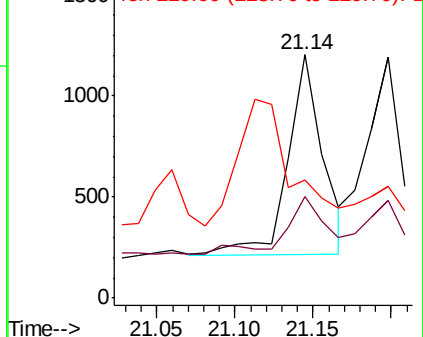
229 48.7 15.6 23.4#

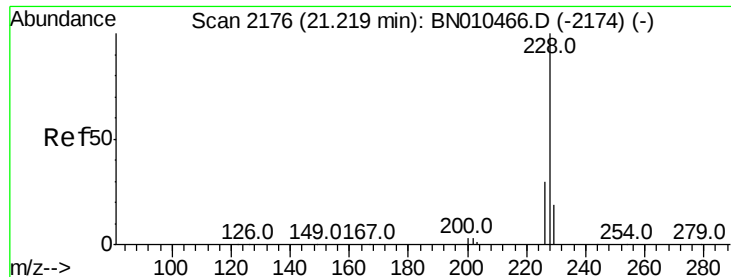


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 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 :

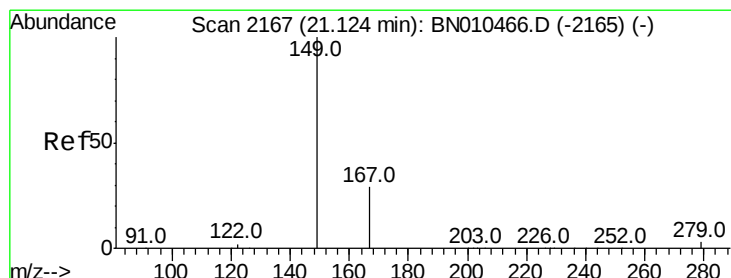
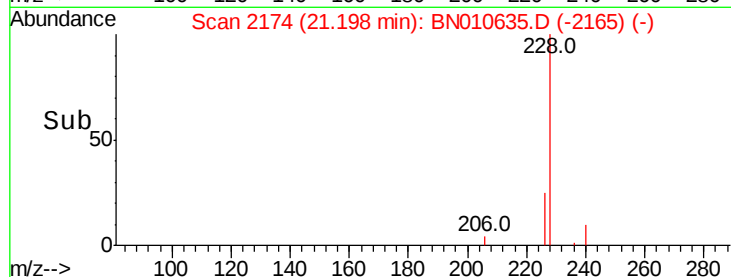
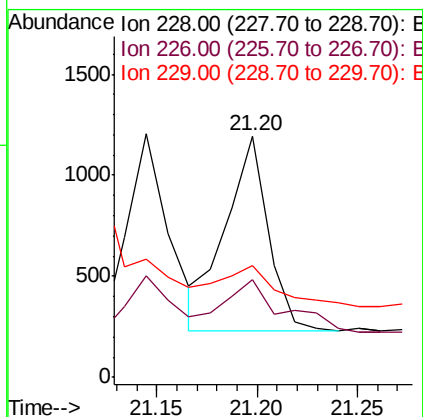
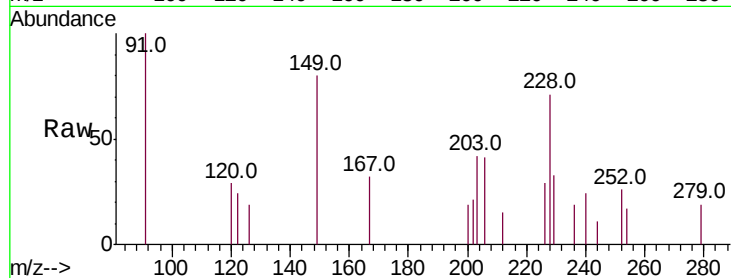
Tot Ion:228 Resp: 1447

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

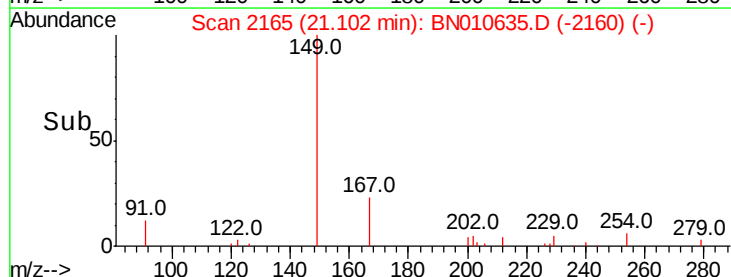
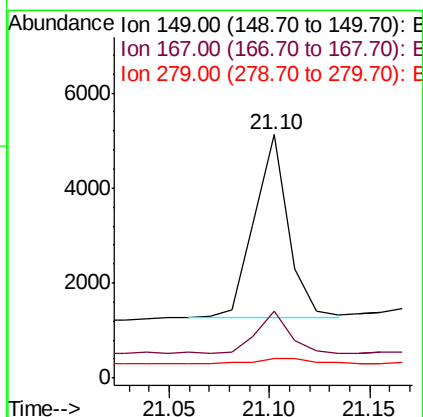
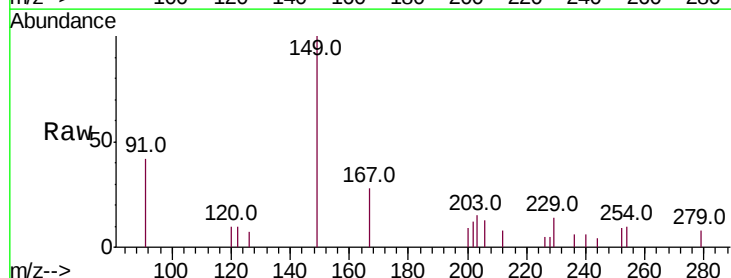
Tgt Ion:149 Resp: 4543

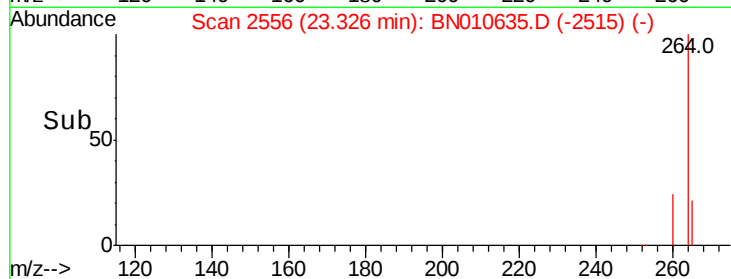
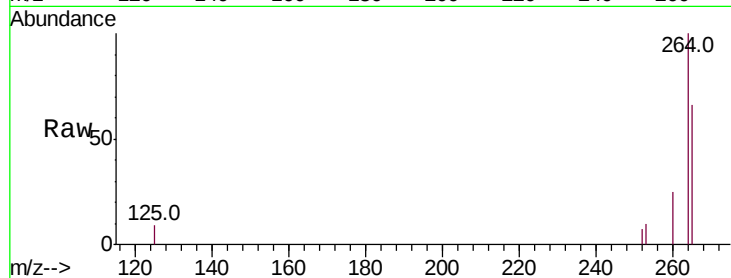
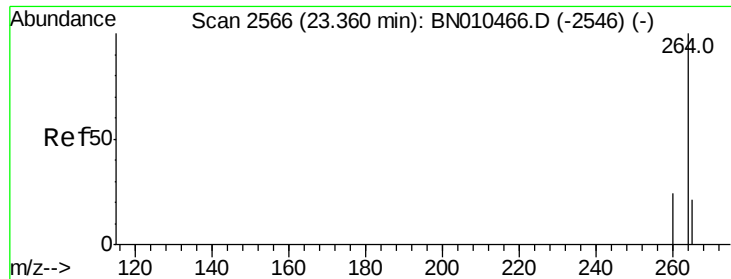
Ion Ratio Lower Upper

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 :

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#

