

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042820\
 Data File : BN010636.D
 Acq On : 28 Apr 2020 23:03
 Operator : CG/JU
 Sample : L2423-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 29 02:04:03 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	3327	0.40	ng	0.00
7) Naphthalene-d8	10.34	136	14603	0.40	ng	0.00
13) Acenaphthene-d10	14.20	164	9520	0.40	ng	0.00
19) Phenanthrene-d10	16.95	188	21544	0.40	ng	0.00
27) Chrysene-d12	21.16	240	18403	0.40	ng	0.00
34) Perylene-d12	23.32	264	16435	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.23	112	910	0.12	ng	0.00
5) Phenol-d6	6.78	99	719	0.08	ng	0.00
8) Nitrobenzene-d5	8.72	82	3343	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	11.93	152	7258	0.30	ng	0.00
14) 2,4,6-Tribromophenol	15.71	330	1535	0.34	ng	0.00
15) 2-Fluorobiphenyl	12.82	172	11655	0.34	ng	0.00
25) Fluoranthene-d10	18.99	212	22997	0.35	ng	0.00
29) Terphenyl-d14	19.60	244	23058	0.55	ng	0.00

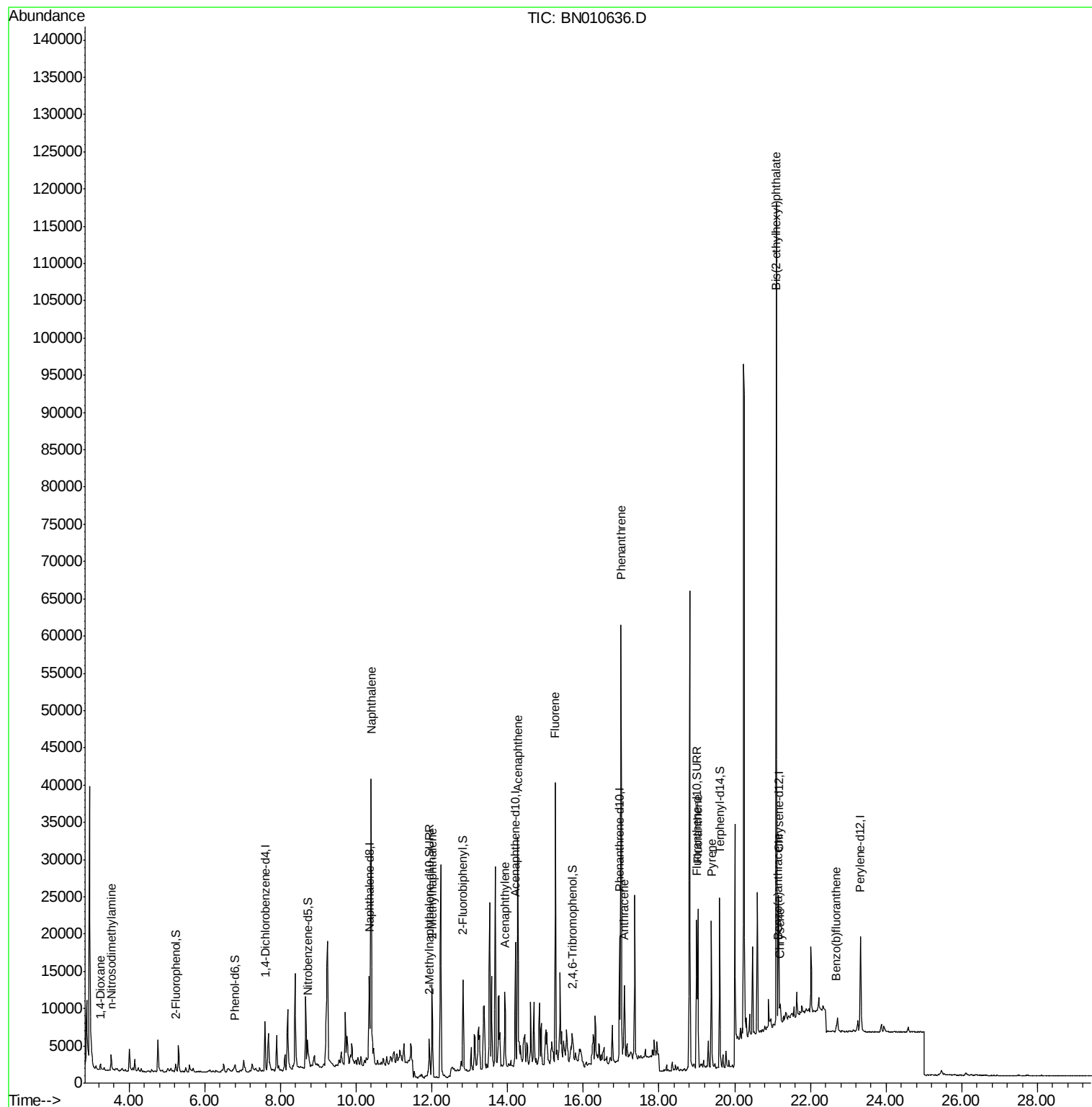
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.25	88	61	0.025	ng	# 1
3) n-Nitrosodimethylamine	3.52	42	233	0.147	ng	# 1
9) Naphthalene	10.39	128	49699	1.370	ng	100
12) 2-Methylnaphthalene	12.01	142	9044	0.347	ng	98
16) Acenaphthylene	13.92	152	4385	0.107	ng	# 67
17) Acenaphthene	14.27	154	14189	0.537	ng	99
18) Fluorene	15.26	166	22087	0.638	ng	98
23) Phenanthrene	17.00	178	57734	0.992	ng	99
24) Anthracene	17.08	178	11217	0.211	ng	# 95
26) Fluoranthene	19.02	202	19095	0.264	ng	100
28) Pyrene	19.39	202	17542	0.283	ng	# 95
30) Benzo(a)anthracene	21.14	228	1996	0.033	ng	# 72
31) Chrysene	21.20	228	2342	0.039	ng	# 75
32) Bis(2-ethylhexyl)phthalate	21.10	149	84221	2.734	ng	100
35) Benzo(b)fluoranthene	22.68	252	1364	0.025	ng	# 1

(#) = 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: BN010636.D

Acq: 28 Apr 2020 23:03

Instrument :

BNA_N

ClientSampleId :

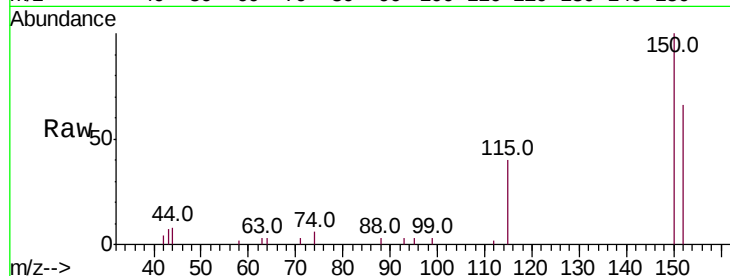
Tot Ion:152 Resp: 3327

Ion Ratio Lower Upper

152 100

150 151.3 121.8 182.6

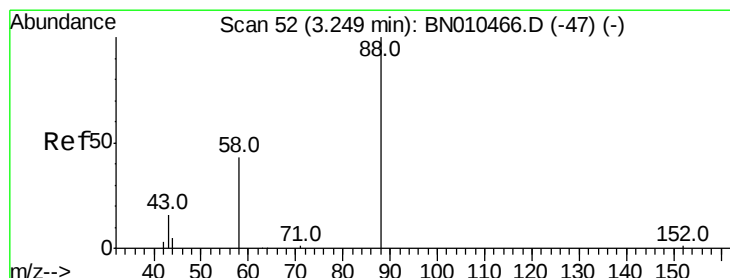
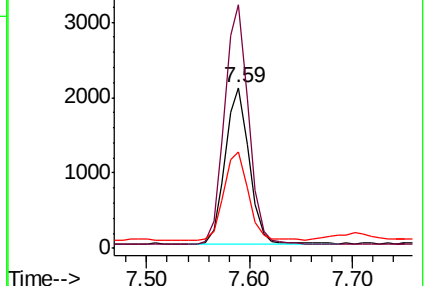
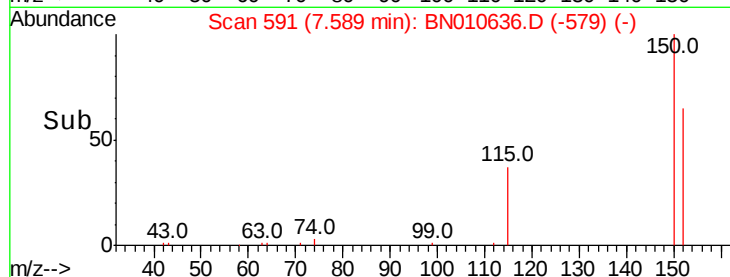
115 60.0 45.5 68.3



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: 0.025 ng

RT: 3.25 min Scan# 52

Delta R.T. 0.01 min

Lab File: BN010636.D

Acq: 28 Apr 2020 23:03

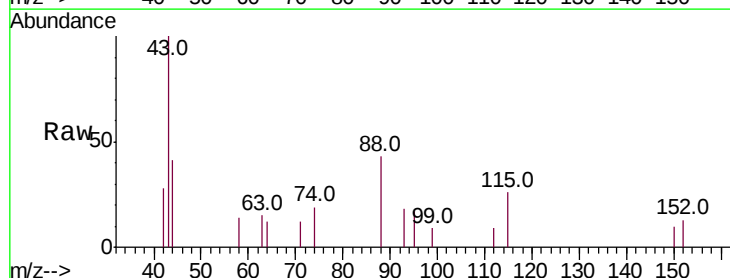
Tgt Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

58 49.2 36.5 54.7

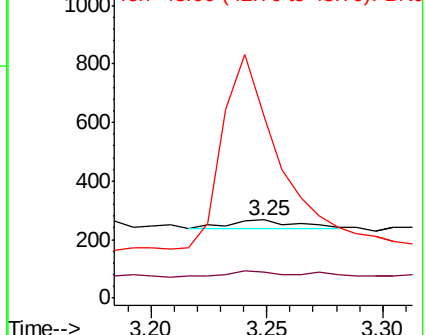
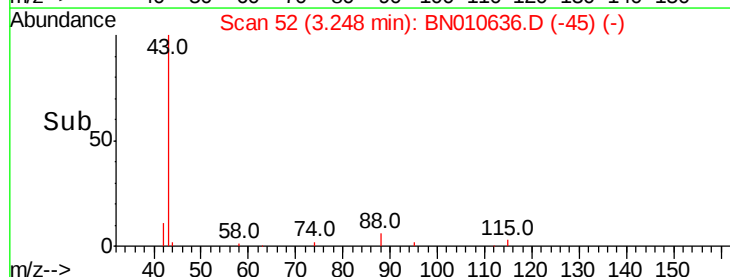
43 1839.3 13.2 19.8#



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: 0.147 ng

RT: 3.52 min Scan# 86

Delta R.T. -0.02 min

Lab File: BN010636.D

Acq: 28 Apr 2020 23:03

Instrument :

BNA_N

ClientSampled :

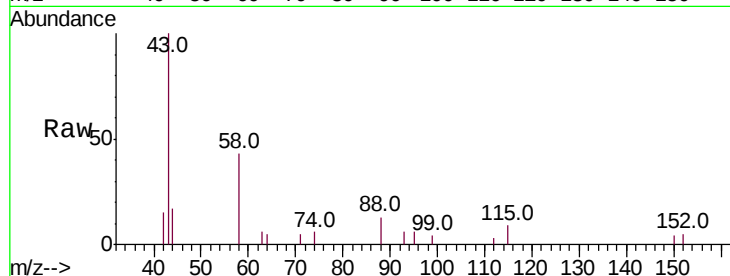
Tot Ion: 42 Resp: 233

Ion Ratio Lower Upper

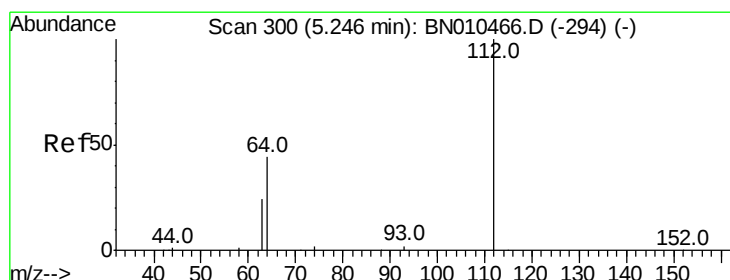
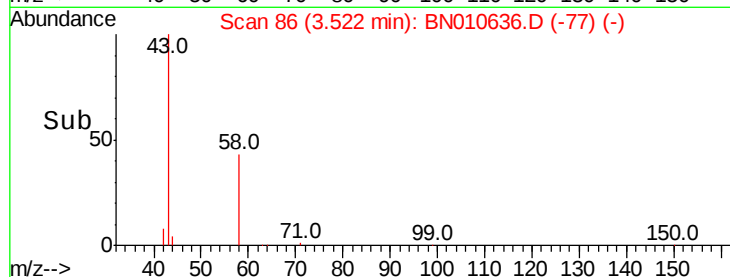
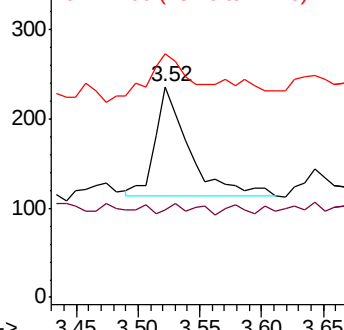
42 100

74 9.0 162.2 243.4#

44 53.6 2.4 3.6#



Abundance Ion 42.00 (41.70 to 42.70): BN0
Ion 74.00 (73.70 to 74.70): BN0
Ion 44.00 (43.70 to 44.70): BN0



#4

2-Fluorophenol

Concen: 0.125 ng

RT: 5.23 min Scan# 298

Delta R.T. -0.00 min

Lab File: BN010636.D

Acq: 28 Apr 2020 23:03

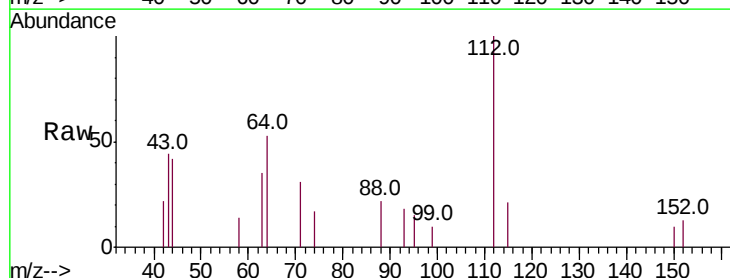
Tgt Ion: 112 Resp: 910

Ion Ratio Lower Upper

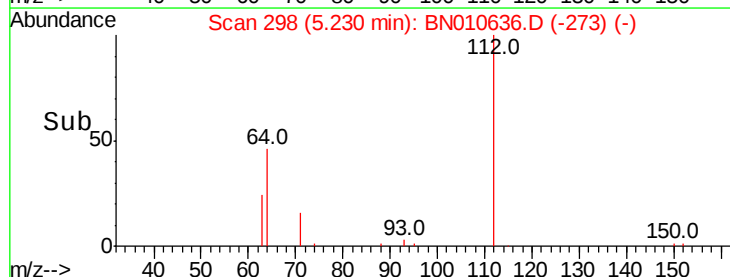
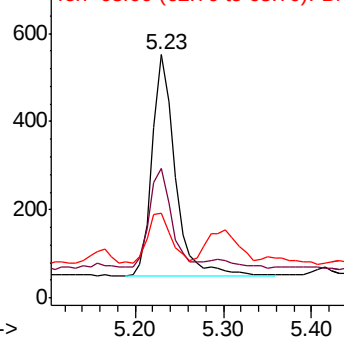
112 100

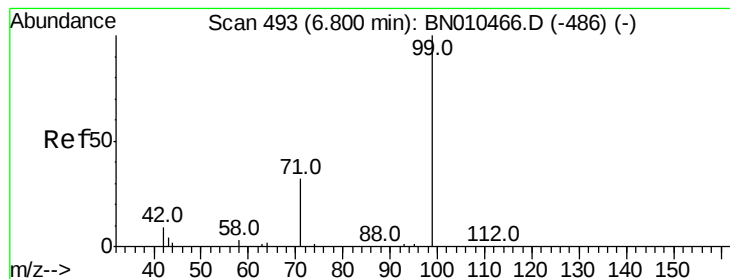
64 43.3 35.8 53.8

63 23.0 19.9 29.9



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BN0
Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.076 ng

RT: 6.78 min Scan# 491

Delta R.T. -0.00 min

Lab File: BN010636.D

Acq: 28 Apr 2020 23:03

Instrument :

BNA_N

ClientSampled :

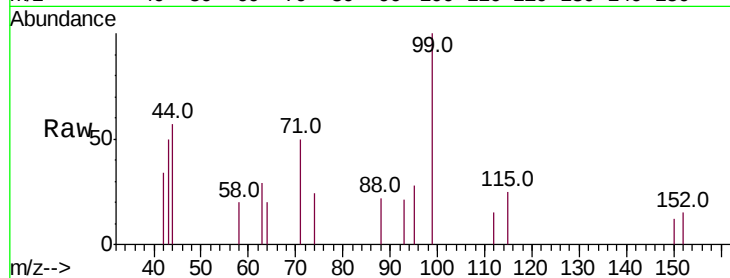
Tot Ion: 99 Resp: 719

Ion Ratio Lower Upper

99 100

42 25.0 9.8 14.6#

71 39.6 27.8 41.8

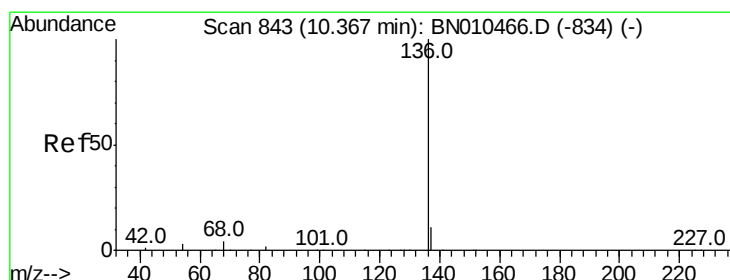
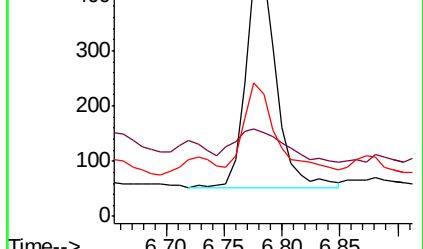
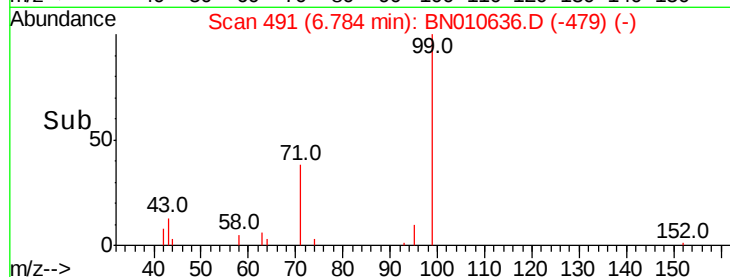


Abundance Ion 99.00 (98.70 to 99.70): BN010466.D (-486) (-)

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: BN010636.D

Acq: 28 Apr 2020 23:03

Tgt Ion: 136 Resp: 14603

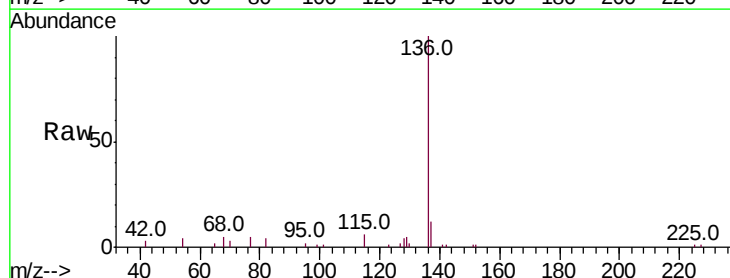
Ion Ratio Lower Upper

136 100

137 11.8 8.9 13.3

54 3.9 2.6 4.0

68 5.0 3.4 5.2



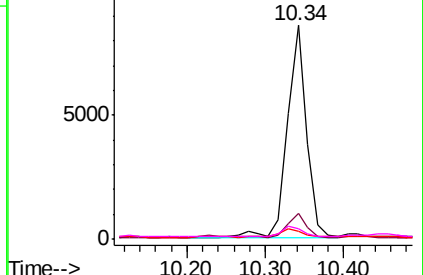
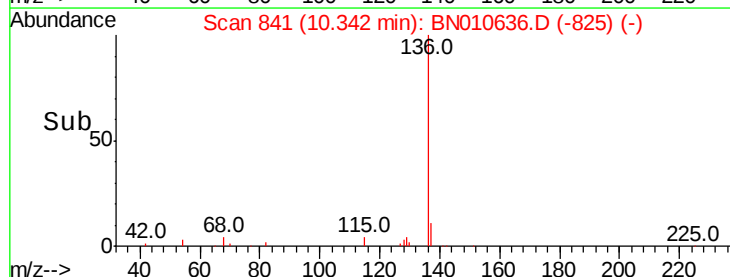
Abundance Ion 136.00 (135.70 to 136.70): BN010466.D (-834) (-)

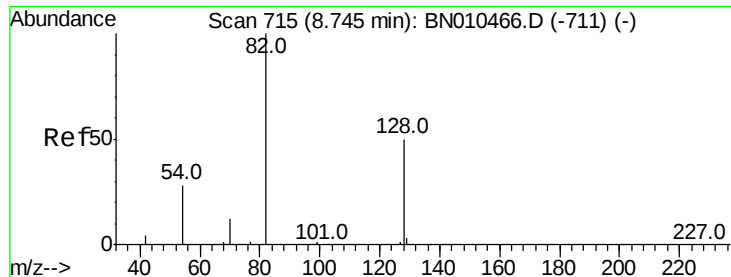
Ion 137.00 (136.70 to 137.70): BN010466.D (-834) (-)

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: 0.327 ng

RT: 8.72 min Scan# 713

Delta R.T. -0.00 min

Lab File: BN010636.D

Acq: 28 Apr 2020 23:03

Instrument :

BNA_N

ClientSampled :

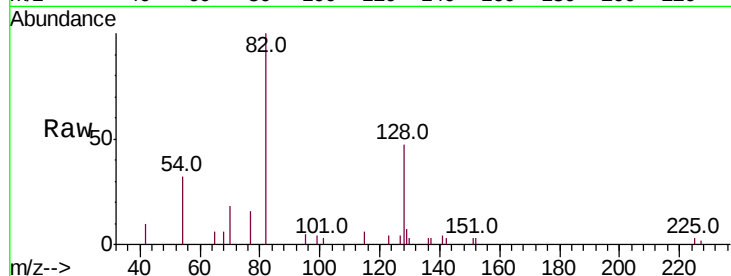
Tot Ion: 82 Resp: 3343

Ion Ratio Lower Upper

82 100

128 46.8 41.3 61.9

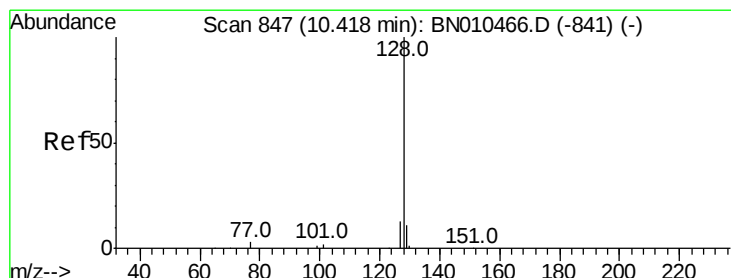
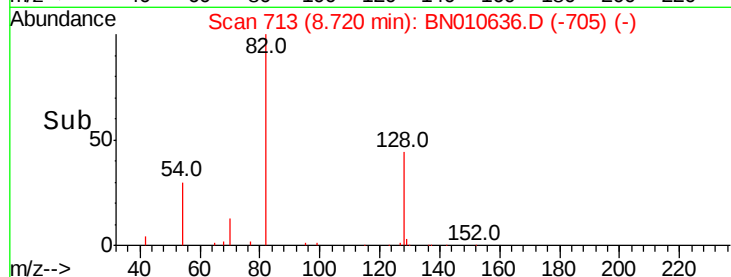
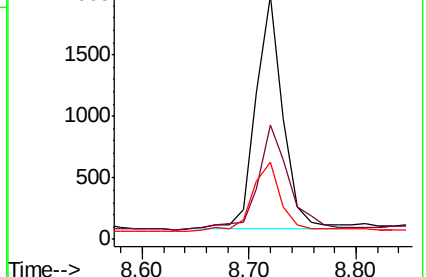
54 31.7 23.4 35.0



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: 1.370 ng

RT: 10.39 min Scan# 845

Delta R.T. -0.00 min

Lab File: BN010636.D

Acq: 28 Apr 2020 23:03

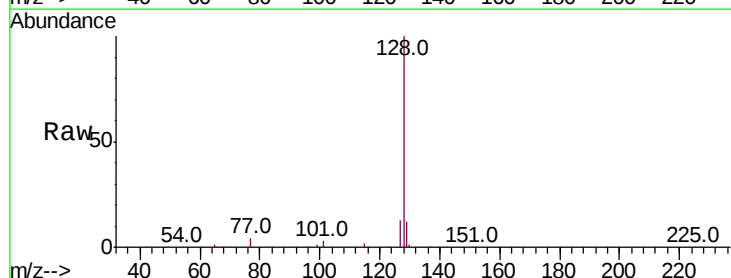
Tgt Ion: 128 Resp: 49699

Ion Ratio Lower Upper

128 100

129 11.6 9.3 13.9

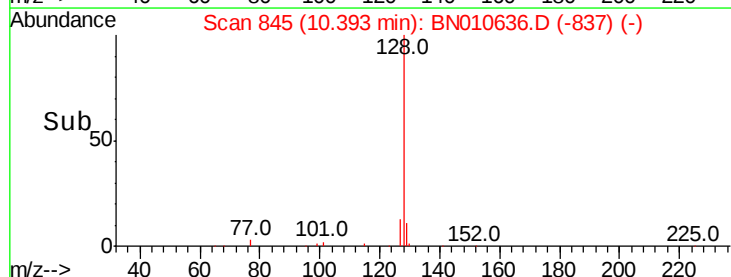
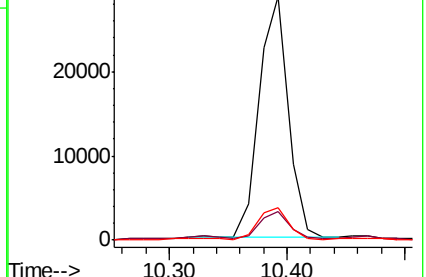
127 13.1 10.5 15.7

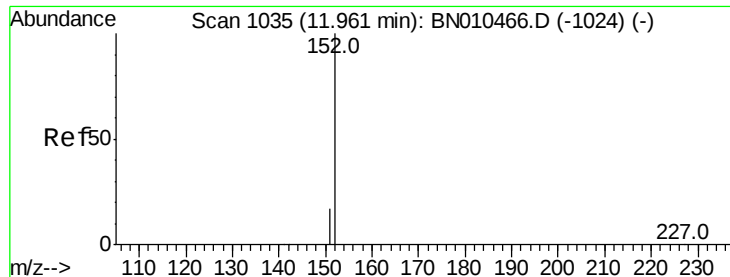


Abundance Ion 128.00 (127.70 to 128.70): BN010466.D (-841) (-)

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

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

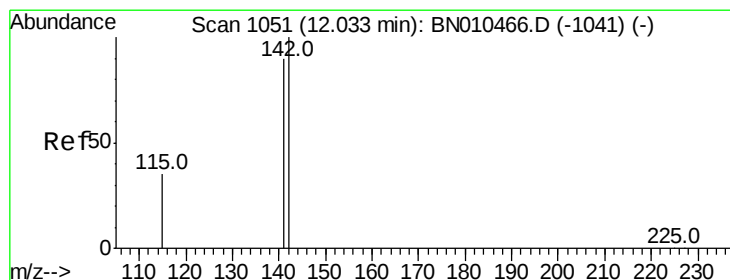
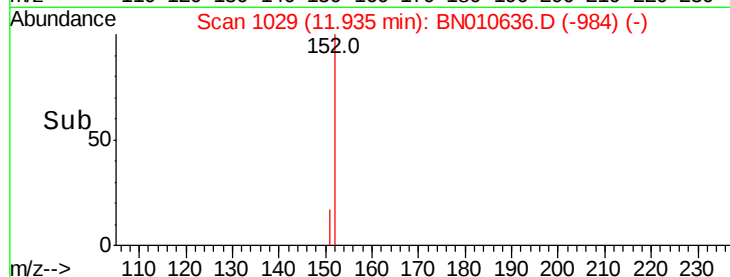
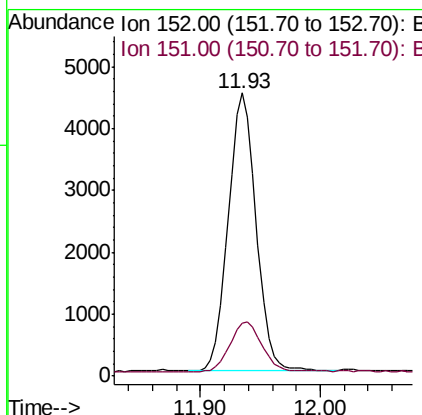
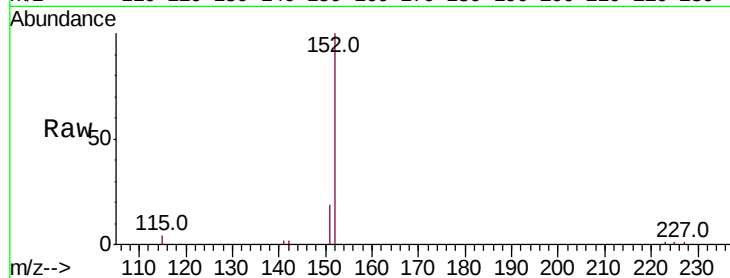




#11
2-Methylnaphthalene-d10
Concen: 0.302 ng
RT: 11.93 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BN010636.D
Acq: 28 Apr 2020 23:03

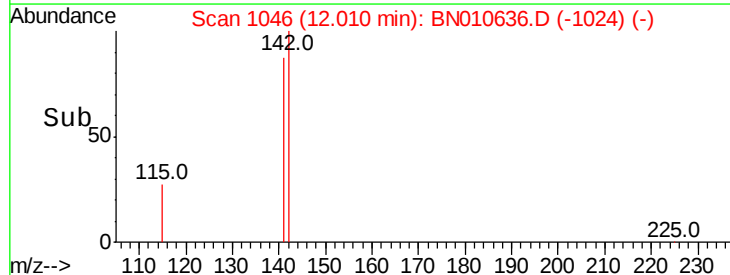
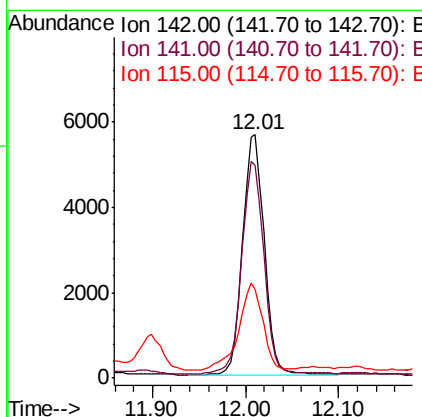
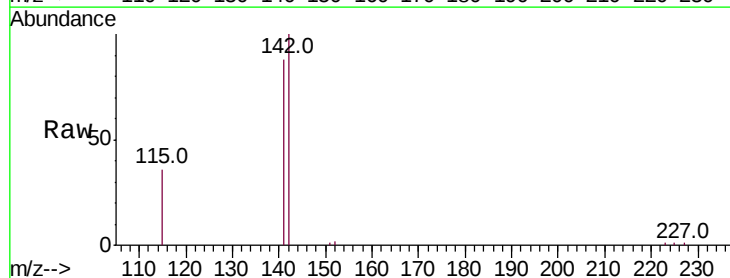
Instrument :
BNA_N
ClientSampleId :

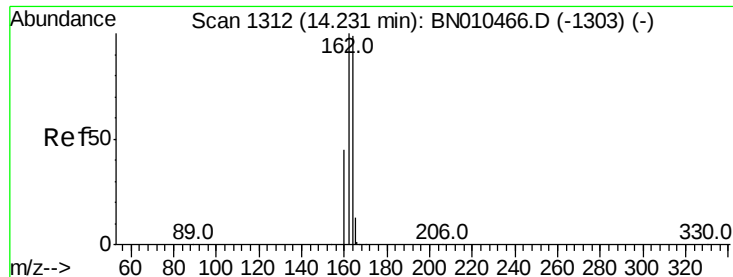
Tot Ion:152 Resp: 7258
Ion Ratio Lower Upper
152 100
151 20.9 15.3 22.9



#12
2-Methylnaphthalene
Concen: 0.347 ng
RT: 12.01 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BN010636.D
Acq: 28 Apr 2020 23:03

Tgt Ion:142 Resp: 9044
Ion Ratio Lower Upper
142 100
141 87.6 71.9 107.9
115 36.4 28.8 43.2





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.20 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BN010636.D

Acq: 28 Apr 2020 23:03

Instrument :

BNA_N

ClientSampleId :

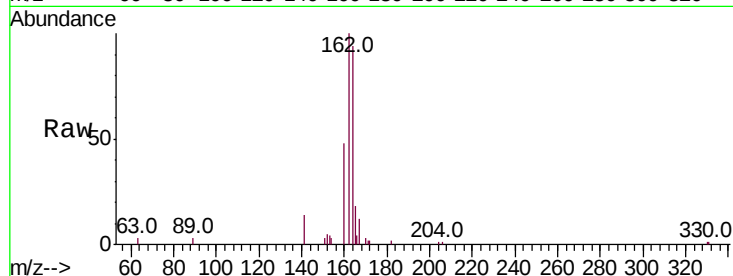
Tot Ion:164 Resp: 9520

Ion Ratio Lower Upper

164 100

162 106.2 80.6 121.0

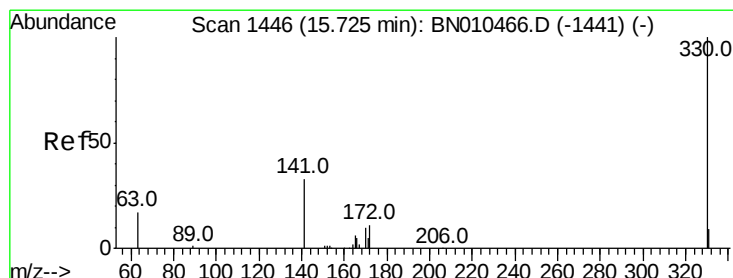
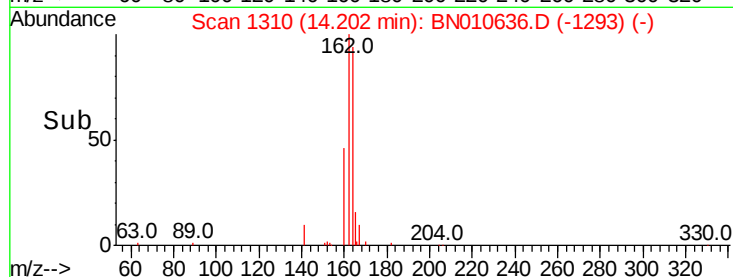
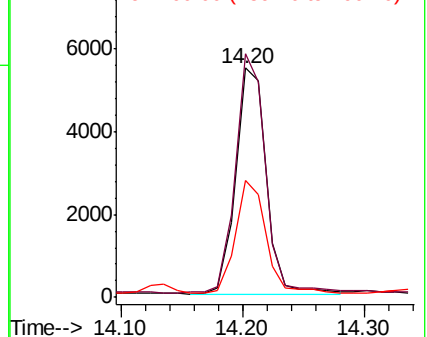
160 50.8 36.5 54.7



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: 0.342 ng

RT: 15.71 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BN010636.D

Acq: 28 Apr 2020 23:03

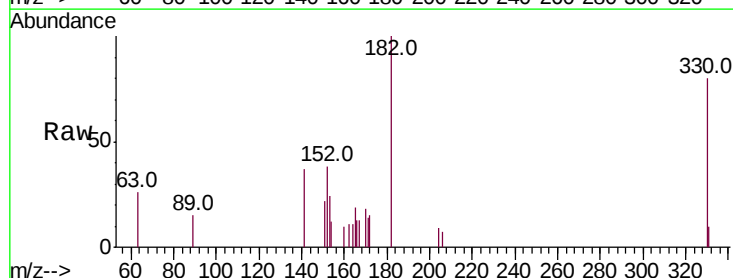
Tgt Ion:330 Resp: 1535

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

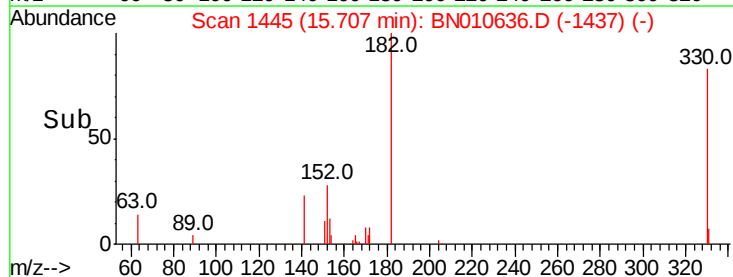
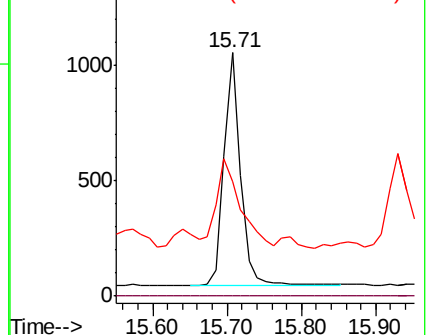
141 52.5 28.1 42.1#

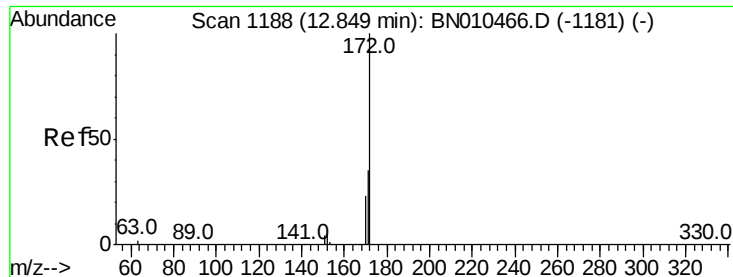


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

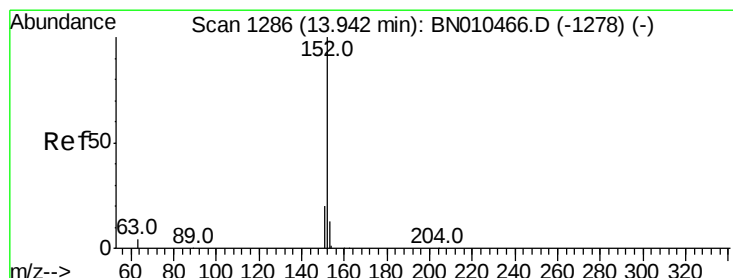
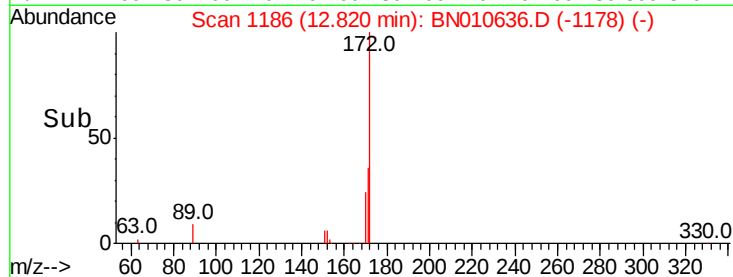
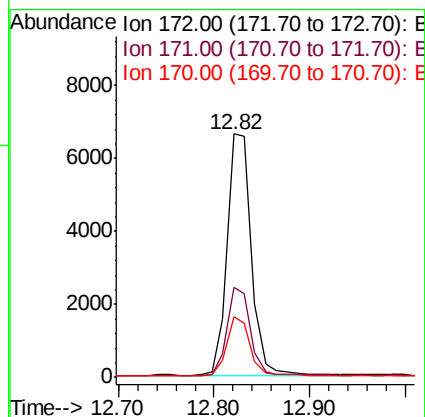
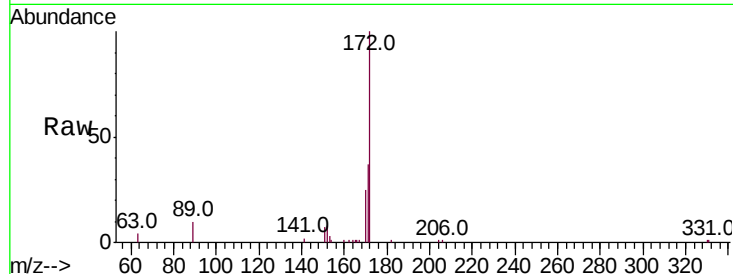




#15
 2-Fluorobiphenyl
 Concen: 0.336 ng
 RT: 12.82 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BN010636.D
 Acq: 28 Apr 2020 23:03

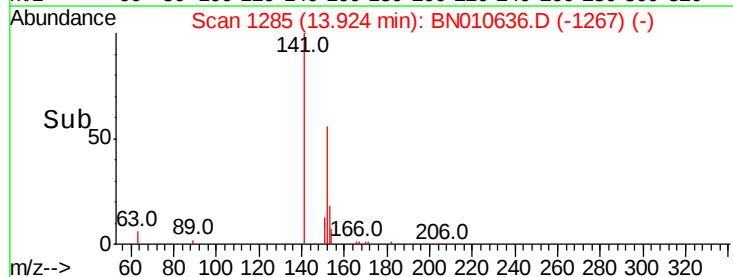
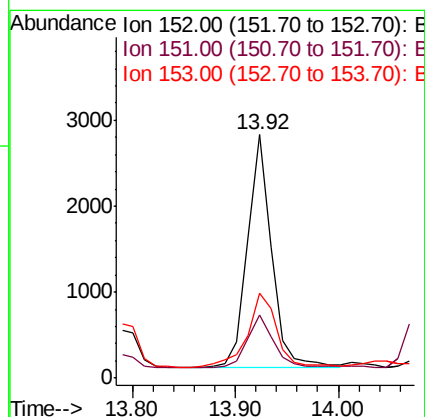
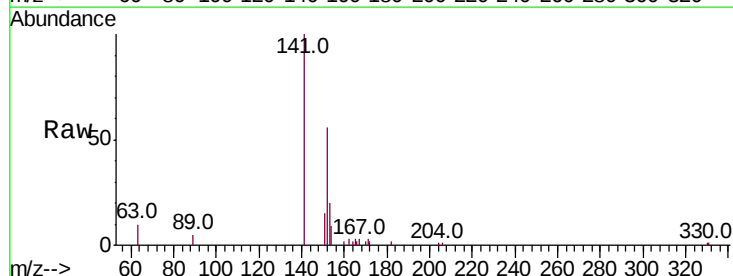
Instrument :
 BNA_N
 ClientSampleId :

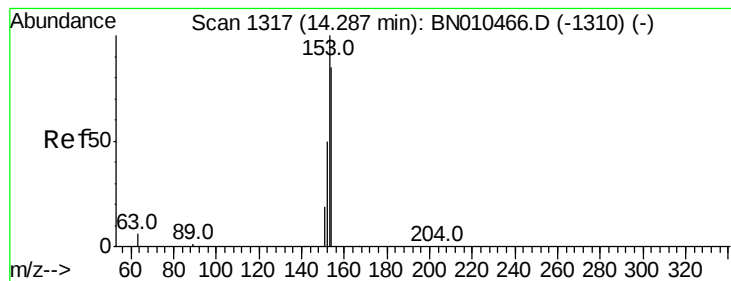
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	28.2	42.2
170	25.0	18.4	27.6



#16
 Acenaphthylene
 Concen: 0.107 ng
 RT: 13.92 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: BN010636.D
 Acq: 28 Apr 2020 23:03

Tgt Ion	Ratio	Lower	Upper
152	100		
151	25.5	15.7	23.5#
153	38.7	10.6	15.8#





#17

Acenaphthene

Concen: 0.537 ng

RT: 14.27 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BN010636.D

Acq: 28 Apr 2020 23:03

Instrument :

BNA_N

ClientSampleId :

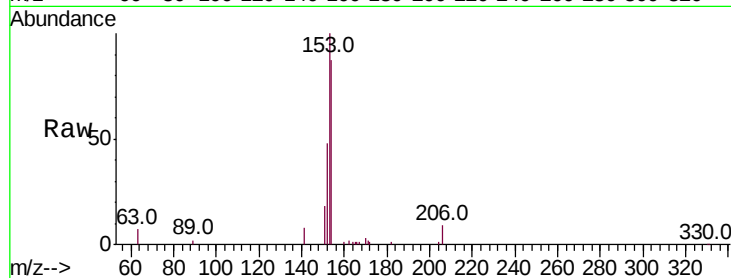
Tot Ion:154 Resp: 14189

Ion Ratio Lower Upper

154 100

153 115.2 91.0 136.4

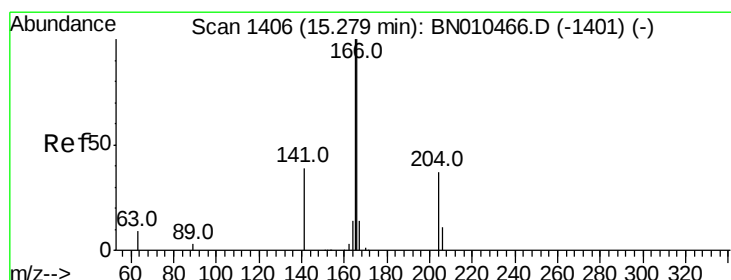
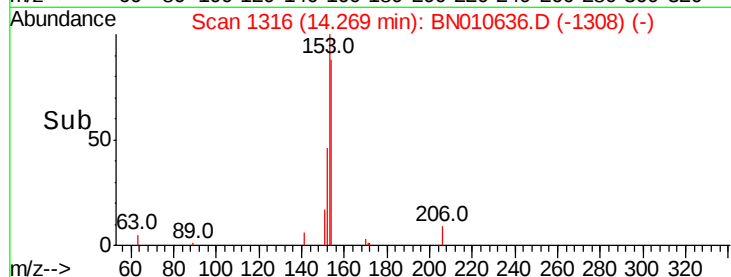
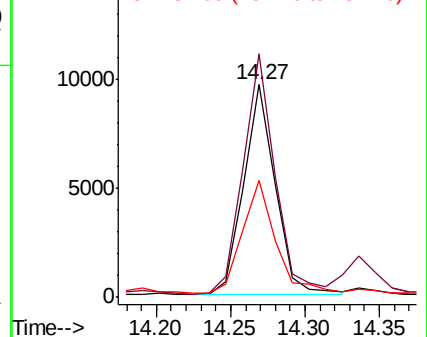
152 55.5 44.6 67.0



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: 0.638 ng

RT: 15.26 min Scan# 1405

Delta R.T. -0.01 min

Lab File: BN010636.D

Acq: 28 Apr 2020 23:03

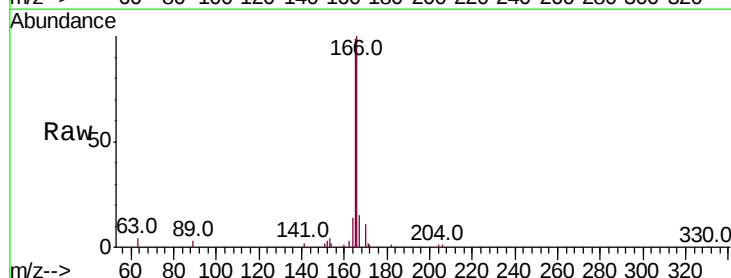
Tgt Ion:166 Resp: 22087

Ion Ratio Lower Upper

166 100

165 96.6 78.4 117.6

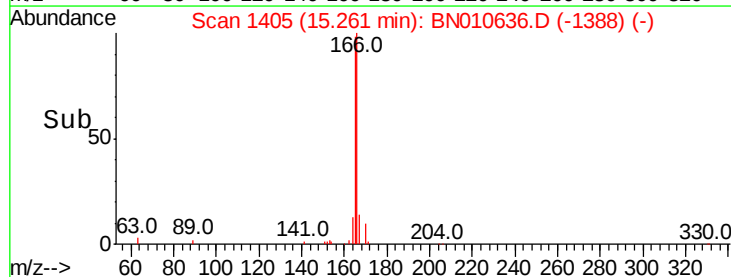
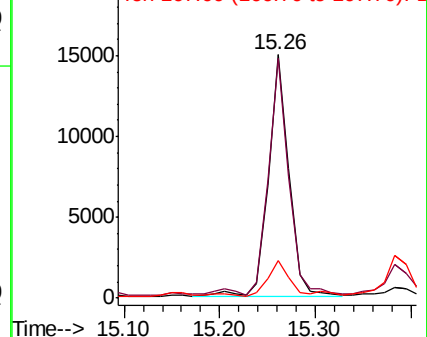
167 15.1 10.9 16.3

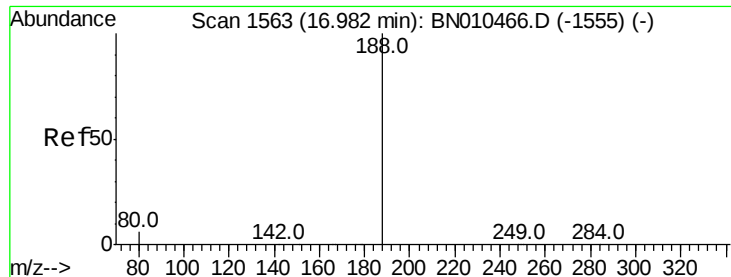


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

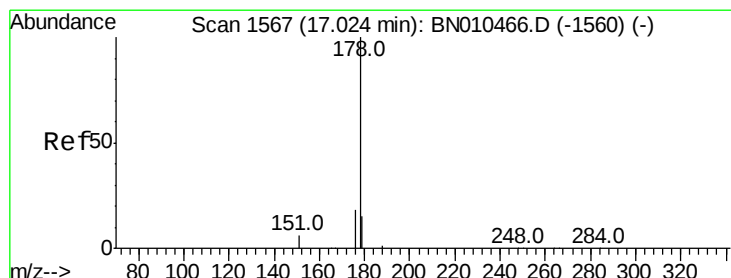
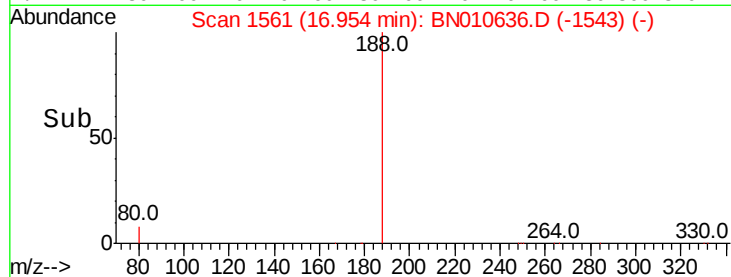
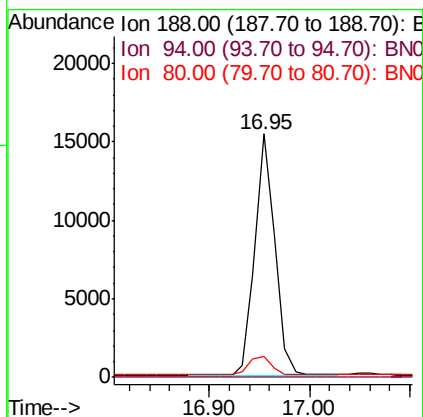
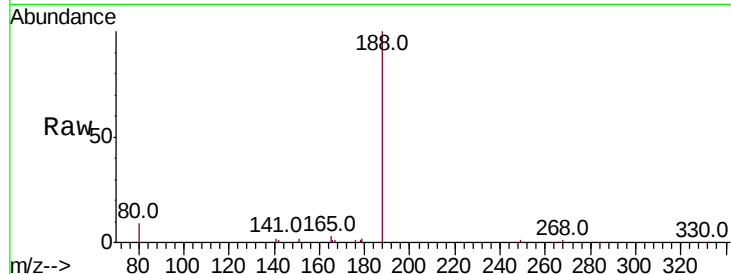




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.95 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BN010636.D
Acq: 28 Apr 2020 23:03

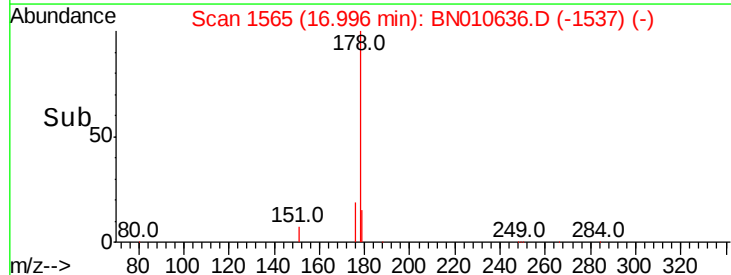
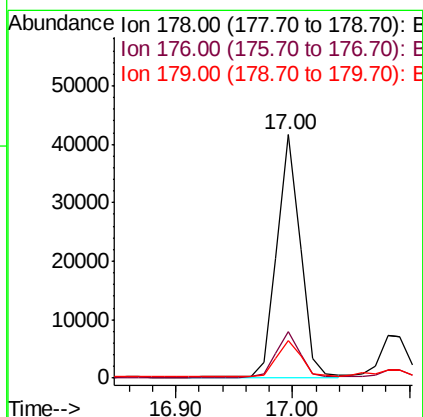
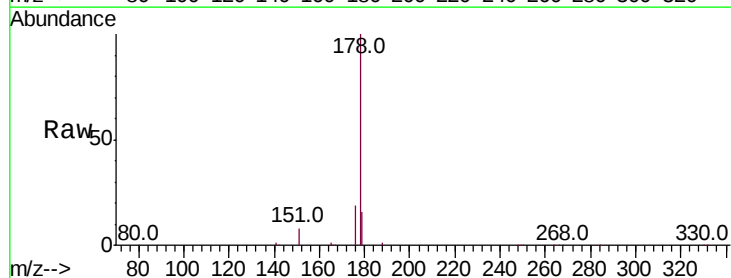
Instrument :
BNA_N
ClientSampleId :

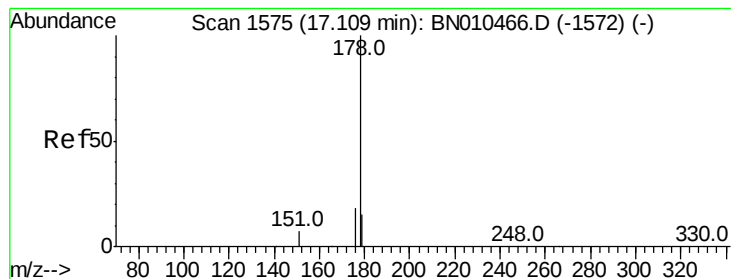
Tot Ion:188 Resp: 21544
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.8 5.0 7.6#



#23
Phenanthrene
Concen: 0.992 ng
RT: 17.00 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BN010636.D
Acq: 28 Apr 2020 23:03

Tgt Ion:178 Resp: 57734
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 16.2 12.6 18.8





#24

Anthracene

Concen: 0.211 ng

RT: 17.08 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BN010636.D

Acq: 28 Apr 2020 23:03

Instrument :

BNA_N

ClientSampled :

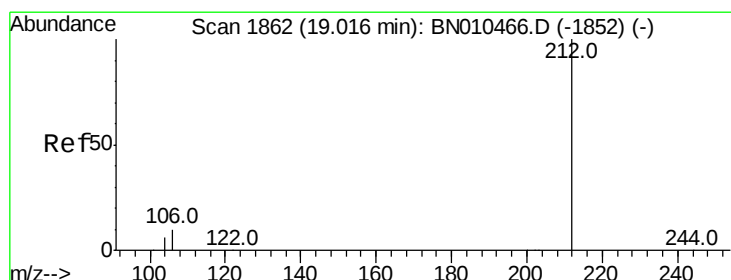
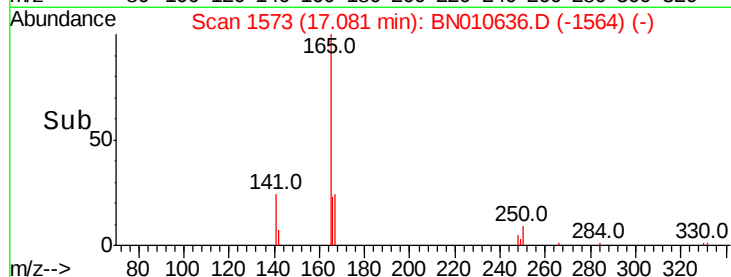
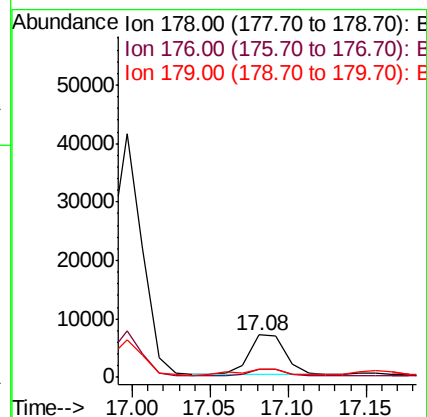
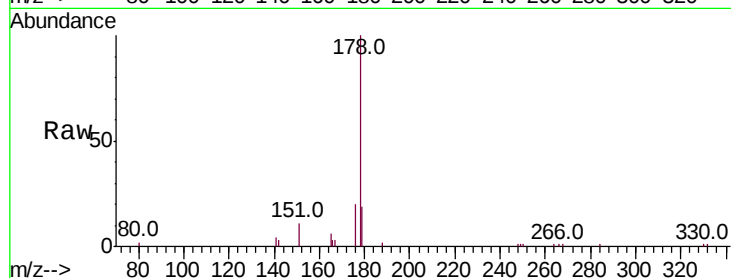
Tot Ion:178 Resp: 11217

Ion Ratio Lower Upper

178 100

176 18.7 14.6 21.8

179 19.0 12.2 18.2#



#25

Fluoranthene-d10

Concen: 0.352 ng

RT: 18.99 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BN010636.D

Acq: 28 Apr 2020 23:03

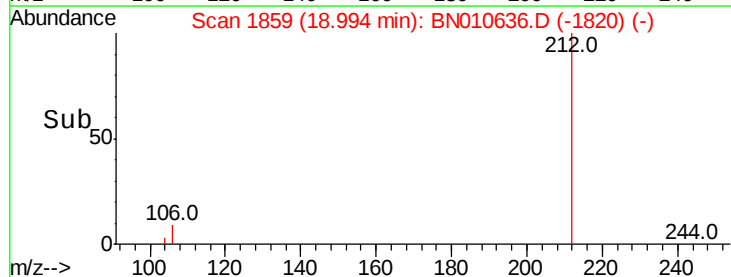
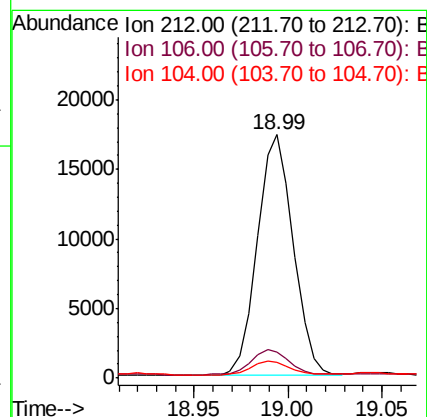
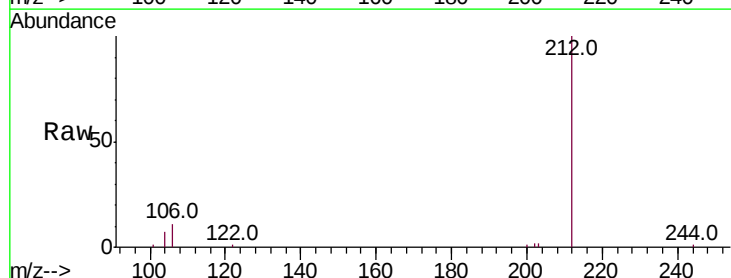
Tgt Ion:212 Resp: 22997

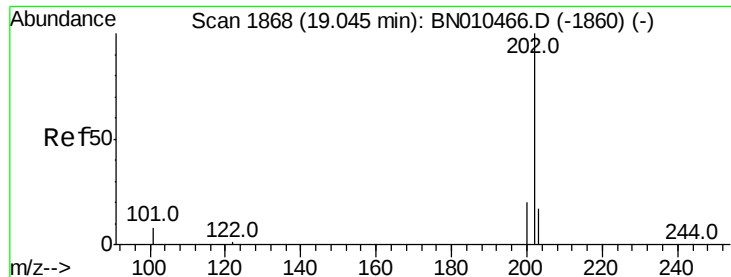
Ion Ratio Lower Upper

212 100

106 10.8 7.8 11.6

104 6.0 4.5 6.7





#26

Fluoranthene

Concen: 0.264 ng

RT: 19.02 min Scan# 1865

Delta R.T. -0.00 min

Lab File: BN010636.D

Acq: 28 Apr 2020 23:03

Instrument :

BNA_N

ClientSampleId :

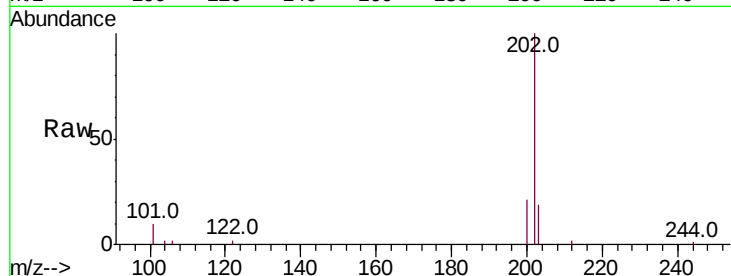
Tot Ion:202 Resp: 19095

Ion Ratio Lower Upper

202 100

101 8.6 6.9 10.3

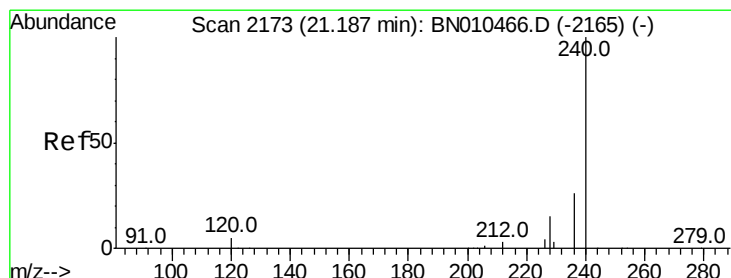
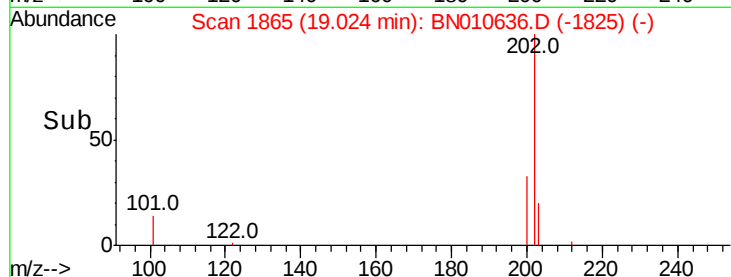
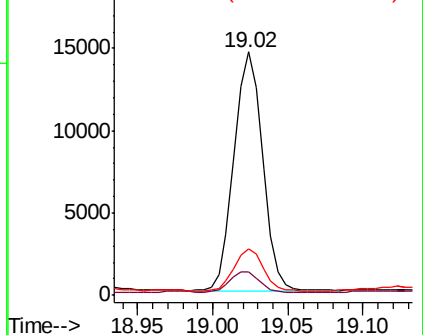
203 17.6 13.9 20.9



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# 2172

Delta R.T. -0.00 min

Lab File: BN010636.D

Acq: 28 Apr 2020 23:03

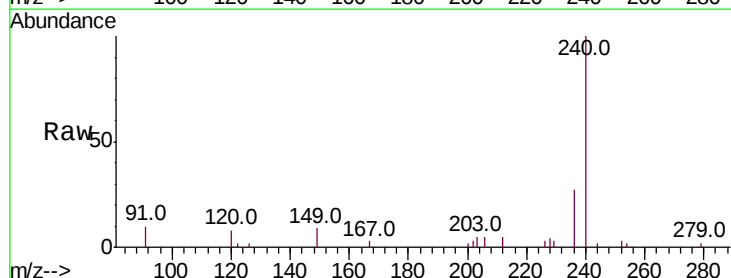
Tgt Ion:240 Resp: 18403

Ion Ratio Lower Upper

240 100

120 7.5 4.8 7.2#

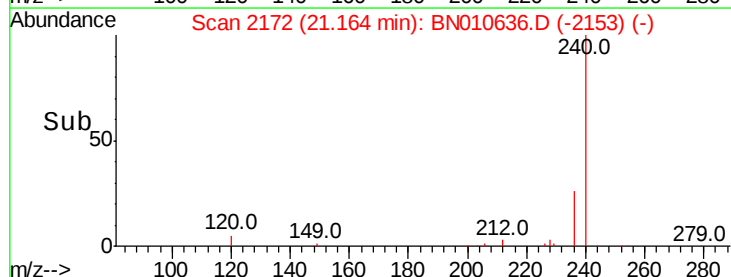
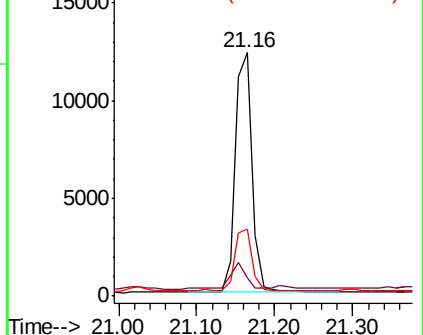
236 27.4 21.4 32.0

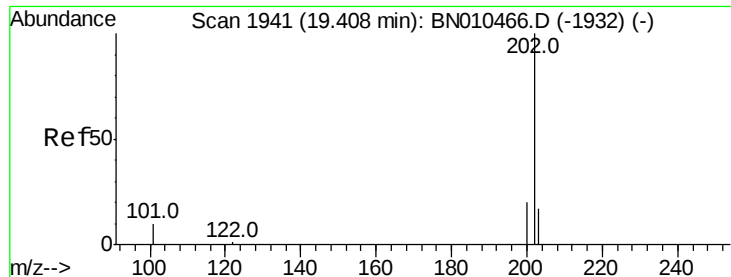


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 0.283 ng

RT: 19.39 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BN010636.D

Acq: 28 Apr 2020 23:03

Instrument :

BNA_N

ClientSampleId :

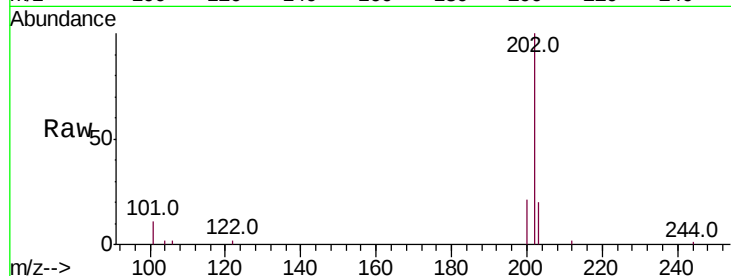
Tot Ion:202 Resp: 17542

Ion Ratio Lower Upper

202 100

200 20.8 16.3 24.5

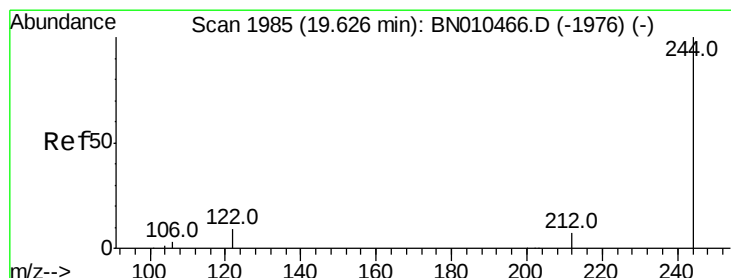
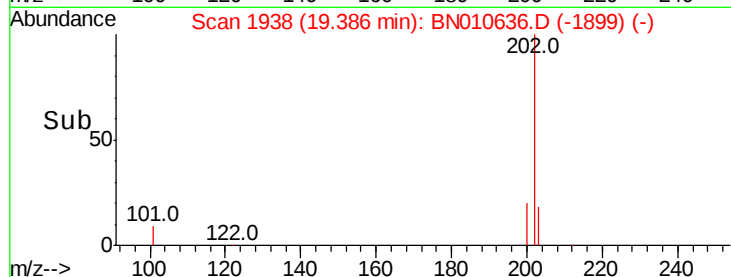
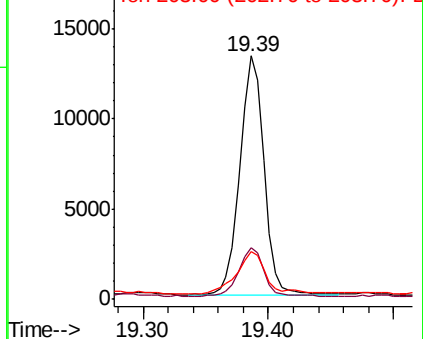
203 21.4 14.0 21.0#



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: 0.547 ng

RT: 19.60 min Scan# 1982

Delta R.T. -0.01 min

Lab File: BN010636.D

Acq: 28 Apr 2020 23:03

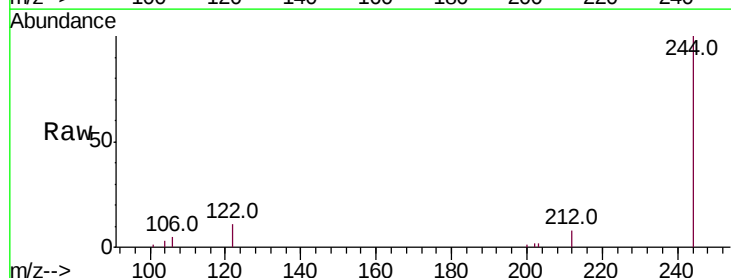
Tgt Ion:244 Resp: 23058

Ion Ratio Lower Upper

244 100

212 8.4 6.2 9.4

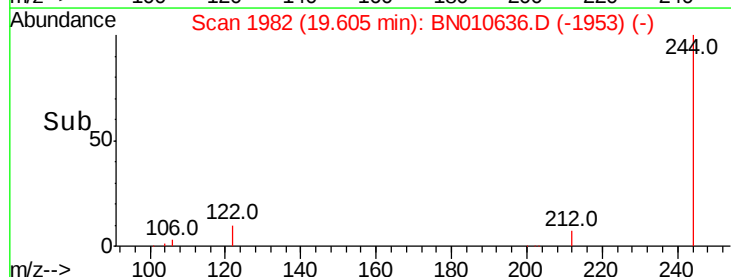
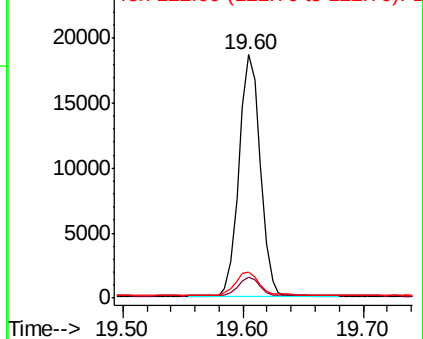
122 10.8 7.8 11.8

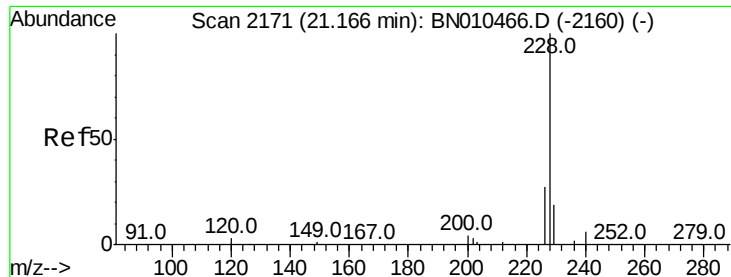


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.033 ng

RT: 21.14 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BN010636.D

Acq: 28 Apr 2020 23:03

Instrument :

BNA_N

ClientSampleId :

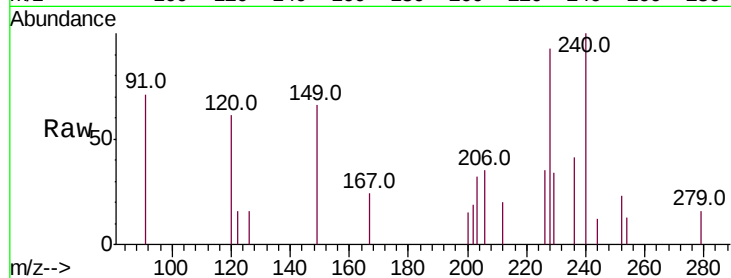
Tot Ion:228 Resp: 1996

Ion Ratio Lower Upper

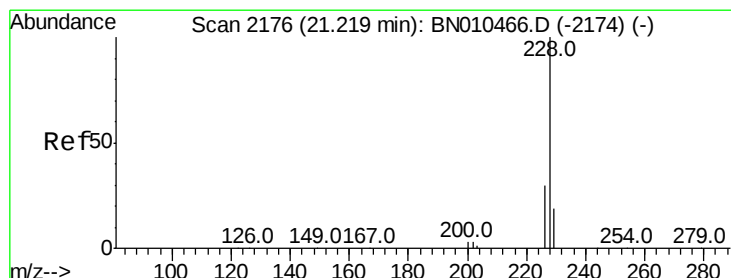
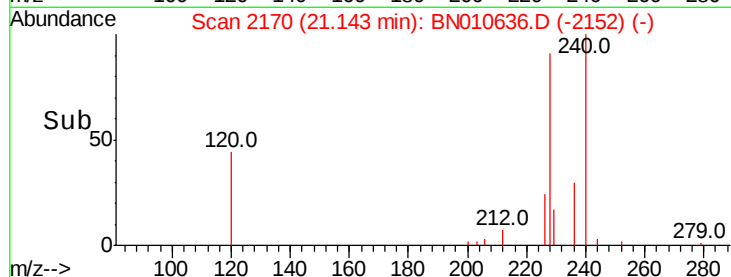
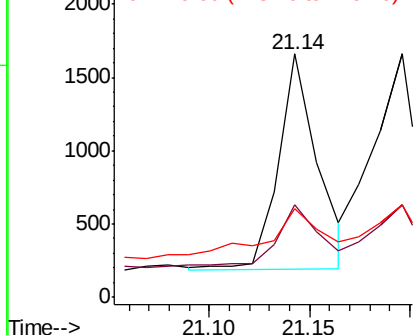
228 100

226 38.0 21.7 32.5#

229 36.2 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: 0.039 ng

RT: 21.20 min Scan# 2175

Delta R.T. -0.00 min

Lab File: BN010636.D

Acq: 28 Apr 2020 23:03

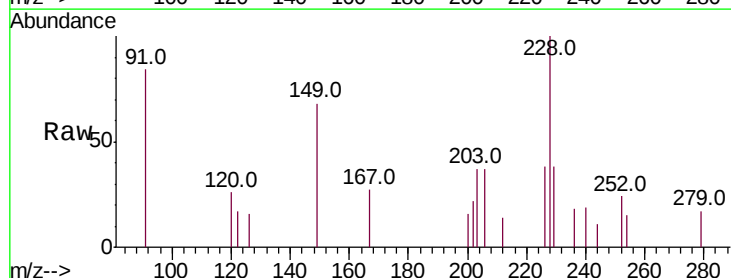
Tgt Ion:228 Resp: 2342

Ion Ratio Lower Upper

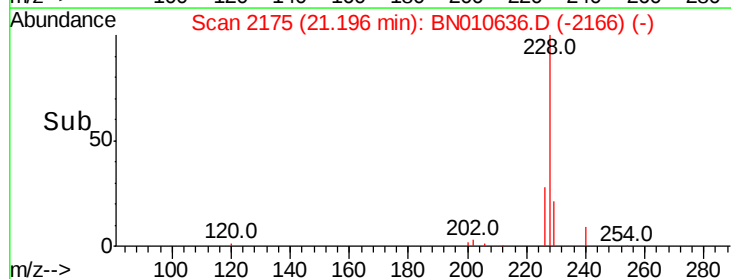
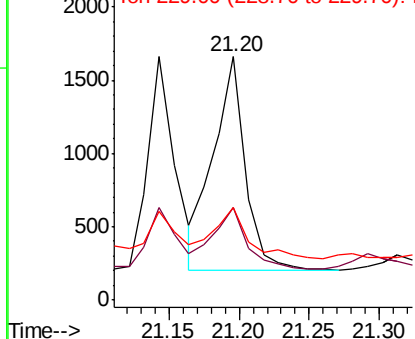
228 100

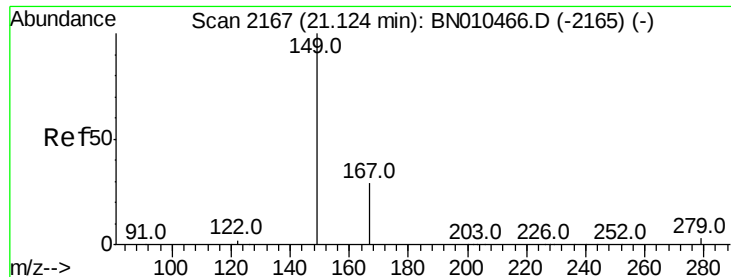
226 38.0 24.0 36.0#

229 38.0 15.8 23.6#



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: 2.734 ng

RT: 21.10 min Scan# 2166

Delta R.T. -0.00 min

Lab File: BN010636.D

Acq: 28 Apr 2020 23:03

Instrument :

BNA_N

ClientSampled :

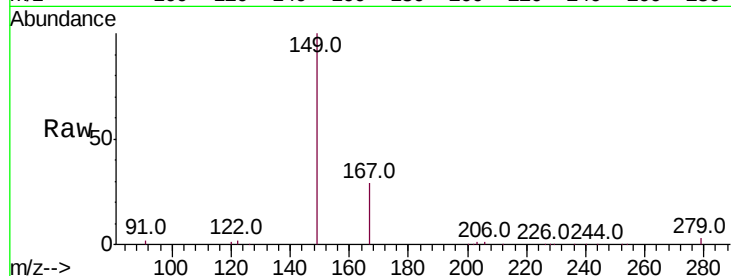
Tot Ion:149 Resp: 84221

Ion Ratio Lower Upper

149 100

167 29.0 23.4 35.0

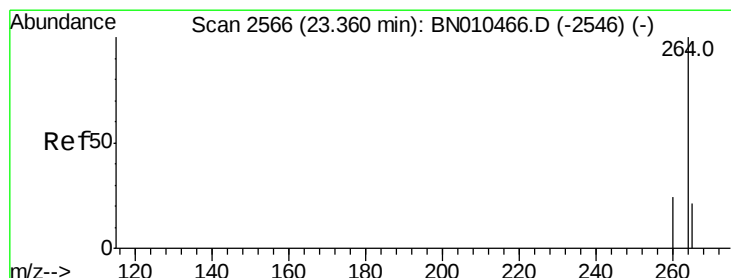
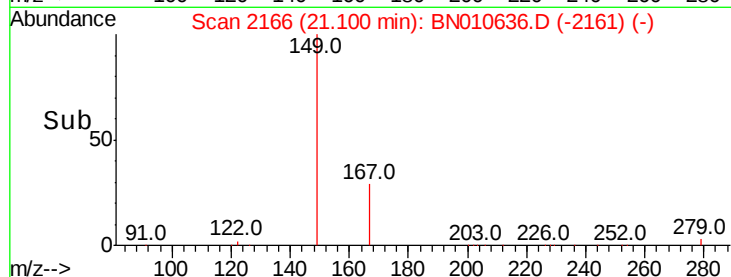
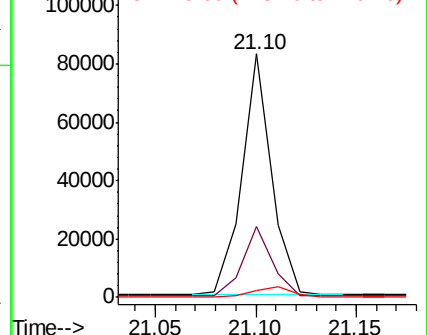
279 4.8 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.32 min Scan# 2557

Delta R.T. -0.01 min

Lab File: BN010636.D

Acq: 28 Apr 2020 23:03

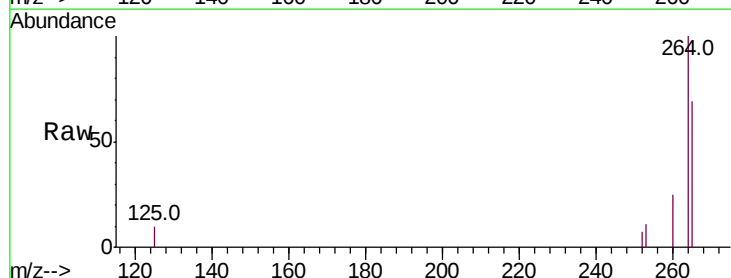
Tgt Ion:264 Resp: 16435

Ion Ratio Lower Upper

264 100

260 25.3 19.8 29.8

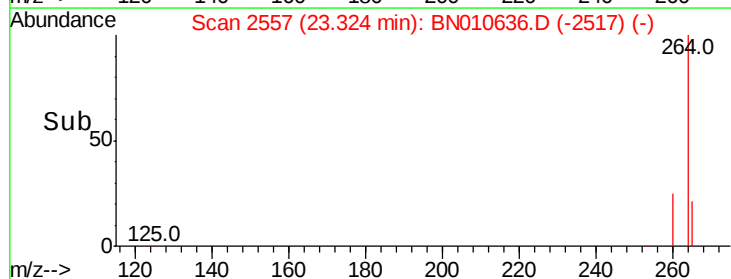
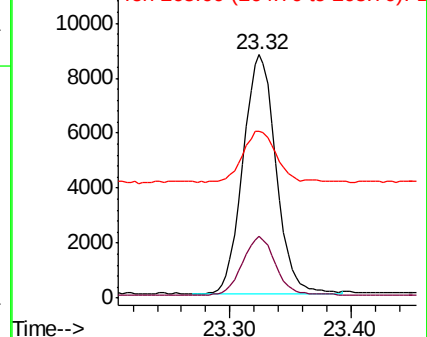
265 68.8 42.3 63.5#

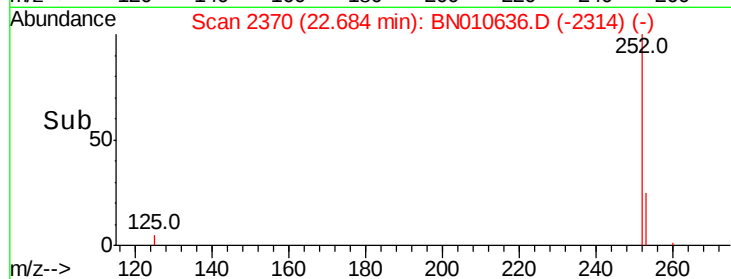
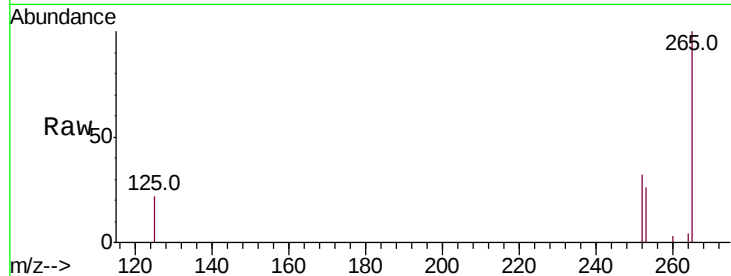
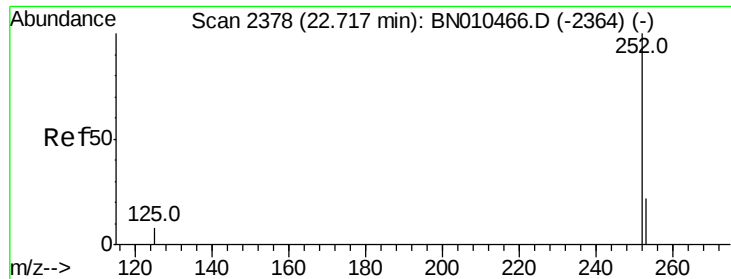


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35
Benzo(b)fluoranthene
Concen: 0.025 ng
RT: 22.68 min Scan# 2370
Delta R.T. -0.01 min
Lab File: BN010636.D
Acq: 28 Apr 2020 23:03

Instrument :
BNA_N
ClientSampleId :

Tot Ion: 252 Resp: 1364
Ion Ratio Lower Upper
252 100
253 81.0 20.2 30.4#
125 67.1 9.2 13.8#

