

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN073018\
 Data File : BN002188.D
 Acq On : 30 Jul 2018 16:19
 Operator : JU/SJ
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN073018

Quant Time: Jul 30 16:49:10 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 16:17:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	3069	0.40	ng	0.00
7) Naphthalene-d8	10.47	136	12600	0.40	ng	0.00
13) Acenaphthene-d10	14.32	164	7109	0.40	ng	0.00
19) Phenanthrene-d10	17.07	188	14640	0.40	ng	0.00
27) Chrysene-d12	21.27	240	11019	0.40	ng	0.00
34) Perylene-d12	23.50	264	9911	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.32	112	2788	0.39	ng	0.00
5) Phenol-d6	6.88	99	3389	0.39	ng	0.00
8) Nitrobenzene-d5	8.84	82	3778	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.06	152	7504	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.83	330	1051	0.35	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	11088	0.41	ng	0.00
25) Fluoranthene-d10	19.11	212	13169	0.36	ng	0.00
29) Terphenyl-d14	19.71	244	9974	0.42	ng	0.00

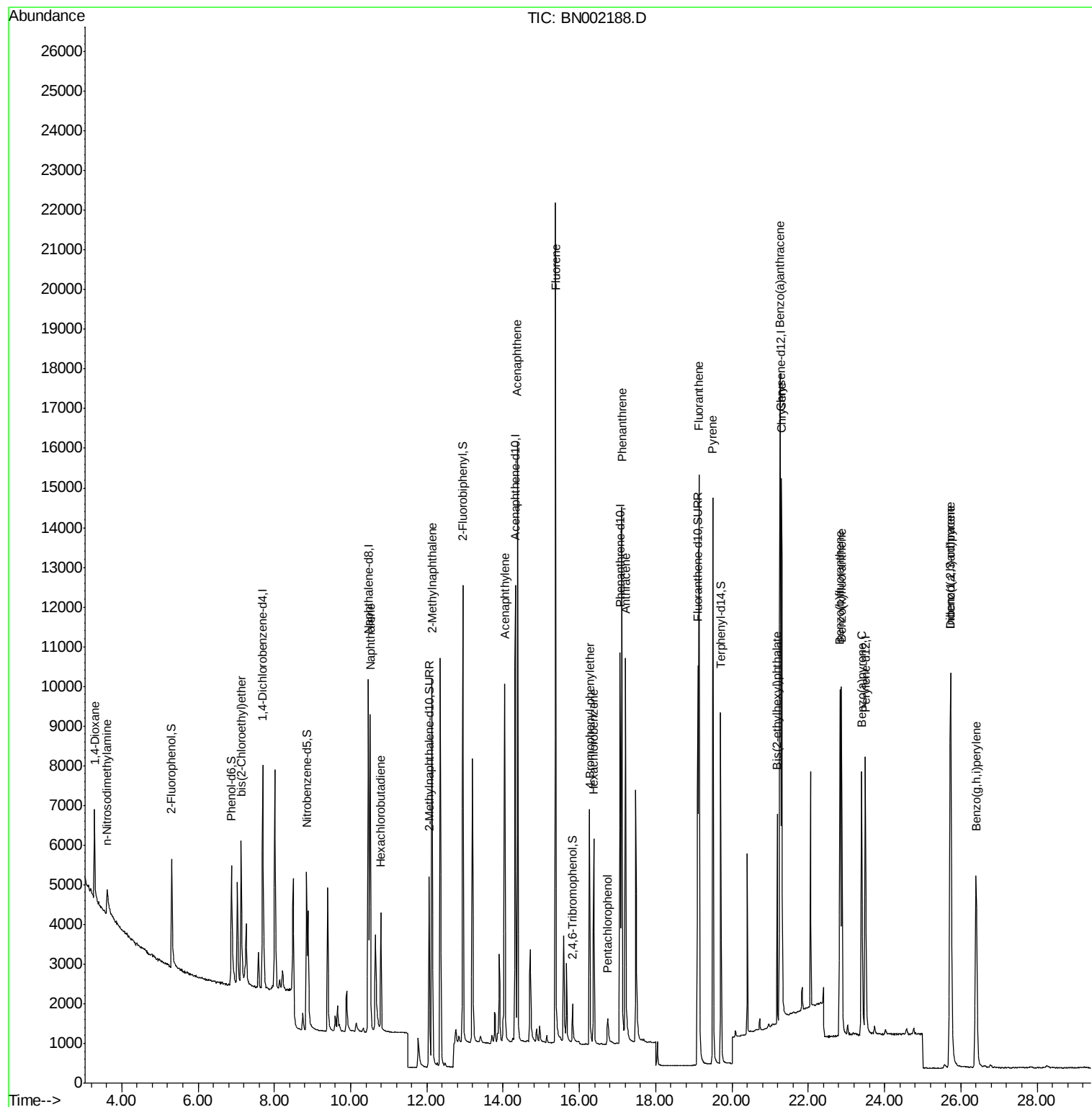
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.29	88	1340	0.388	ng	97
3) n-Nitrosodimethylamine	3.62	42	817	0.374	ng	# 88
6) bis(2-Chloroethyl)ether	7.13	93	3275	0.391	ng	89
9) Naphthalene	10.52	128	11657	0.410	ng	96
10) Hexachlorobutadiene	10.80	225	2521	0.410	ng	# 54
12) 2-Methylnaphthalene	12.13	142	7857	0.409	ng	98
16) Acenaphthylene	14.04	152	11920	0.392	ng	100
17) Acenaphthene	14.38	154	7857	0.402	ng	96
18) Fluorene	15.37	166	9638	0.401	ng	# 80
20) 4-Bromophenyl-phenylether	16.27	248	3406	0.411	ng	# 74
21) Hexachlorobenzene	16.38	284	3883	0.424	ng	96
22) Pentachlorophenol	16.74	266	554	0.335	ng	89
23) Phenanthrene	17.11	178	14744	0.405	ng	99
24) Anthracene	17.21	178	11553	0.383	ng	96
26) Fluoranthene	19.14	202	14406	0.363	ng	# 97
28) Pyrene	19.50	202	14379	0.441	ng	100
30) Benzo(a)anthracene	21.26	228	10874	0.392	ng	95
31) Chrysene	21.30	228	12792	0.412	ng	99
32) Bis(2-ethylhexyl)phthalate	21.18	149	4496	0.355	ng	# 94
33) Indeno(1,2,3-cd)pyrene	25.72	276	13093	0.448	ng	# 94
35) Benzo(b)fluoranthene	22.83	252	11473	0.394	ng	# 91
36) Benzo(k)fluoranthene	22.87	252	12120	0.401	ng	# 93
37) Benzo(a)pyrene	23.40	252	10716	0.406	ng	# 92
38) Dibenzo(a,h)anthracene	25.74	278	10834	0.422	ng	96
39) Benzo(g,h,i)perylene	26.40	276	11203	0.427	ng	# 90

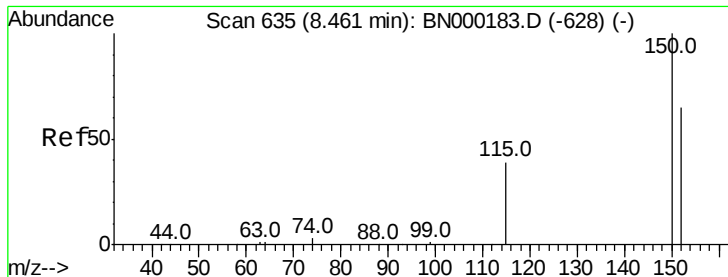
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jul 30 16:17:29 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.69 min Scan# 579

Delta R.T. -0.00 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

Instrument :

BNA_N

ClientSampleId :

ICVBN073018

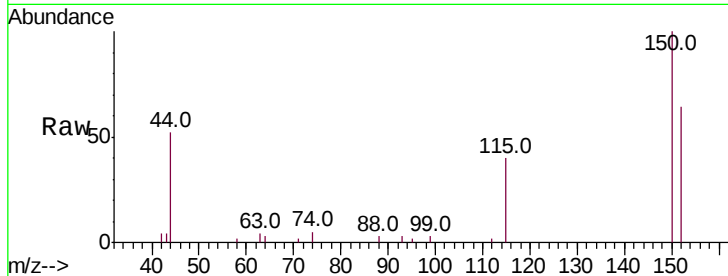
Tot Ion:152 Resp: 3069

Ion Ratio Lower Upper

152 100

150 157.4 117.2 175.8

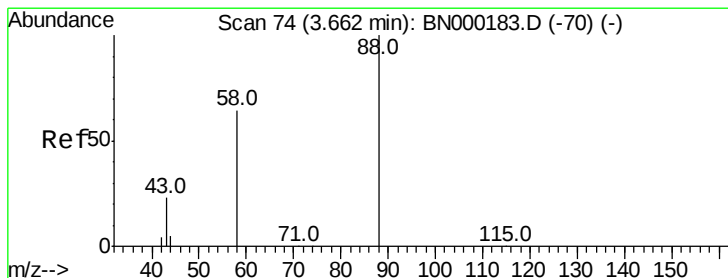
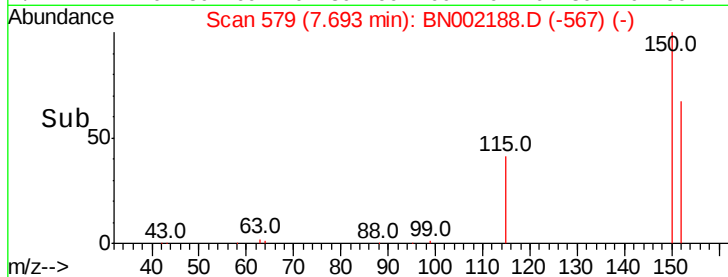
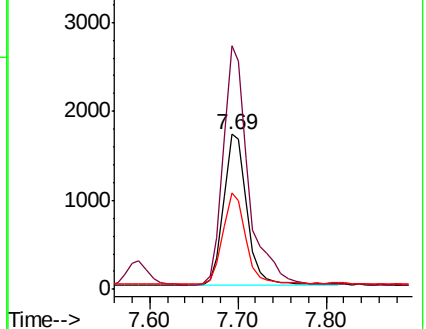
115 62.7 57.0 85.6



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: 0.388 ng

RT: 3.29 min Scan# 32

Delta R.T. -0.00 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

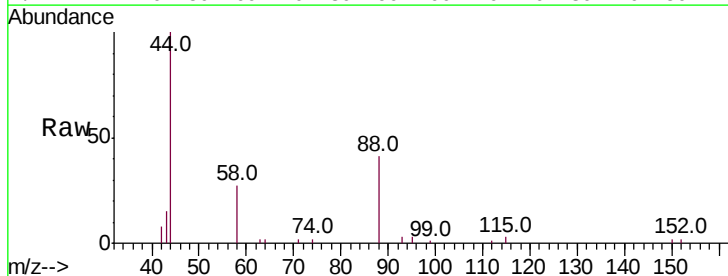
Tgt Ion: 88 Resp: 1340

Ion Ratio Lower Upper

88 100

58 88.4 72.0 108.0

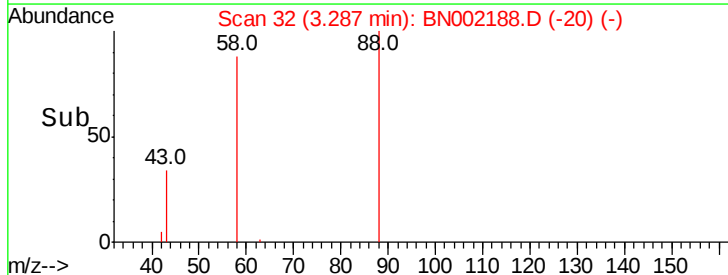
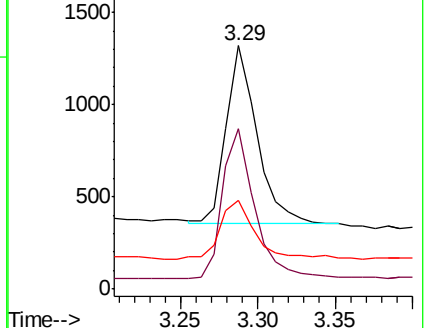
43 39.0 28.0 42.0

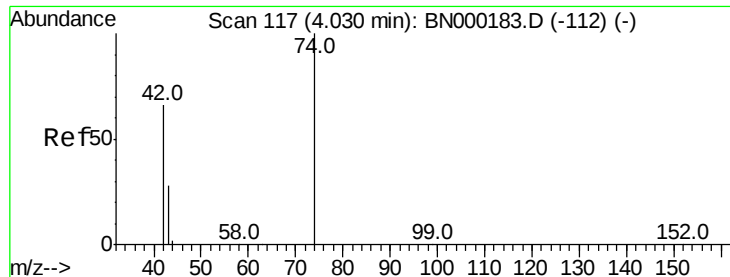


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.374 ng

RT: 3.62 min Scan# 73

Delta R.T. 0.01 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

Instrument :

BNA_N

ClientSampleId :

ICVBN073018

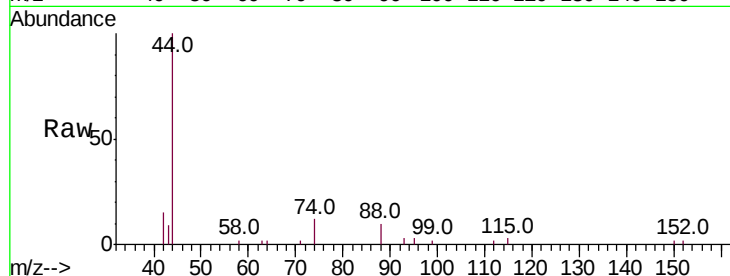
Tot Ion: 42 Resp: 817

Ion Ratio Lower Upper

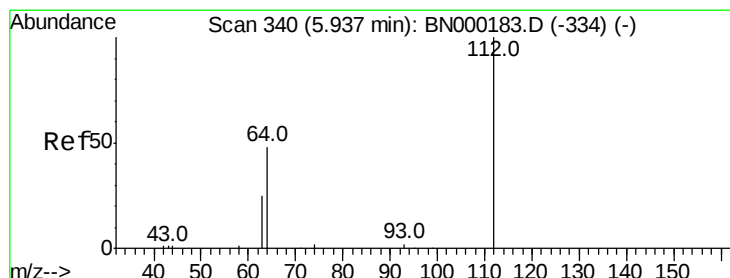
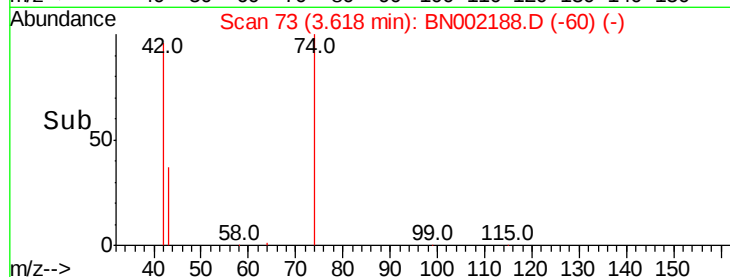
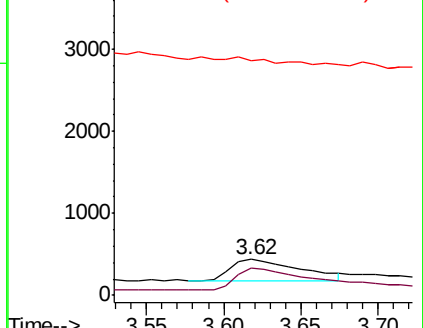
42 100

74 103.9 88.0 132.0

44 0.0 16.0 24.0#



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: 0.389 ng

RT: 5.32 min Scan# 284

Delta R.T. 0.01 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

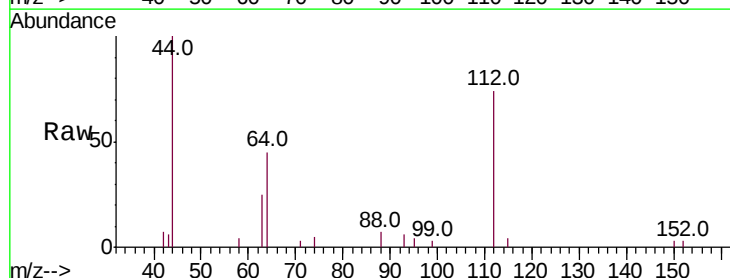
Tgt Ion: 112 Resp: 2788

Ion Ratio Lower Upper

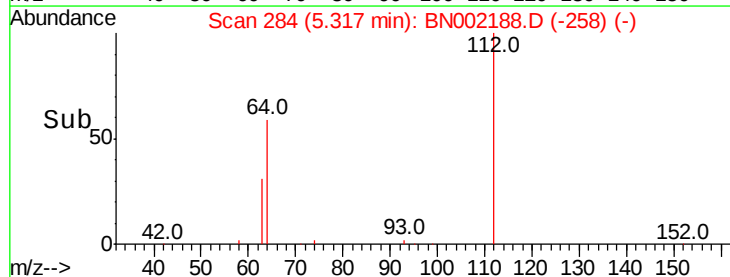
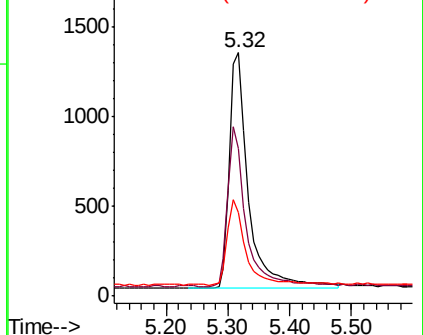
112 100

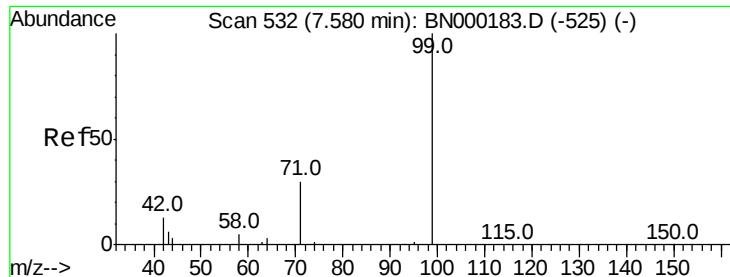
64 65.2 60.1 90.1

63 34.6 116.8 175.2#



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: 0.389 ng

RT: 6.88 min Scan# 478

Delta R.T. -0.00 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

Instrument :

BNA_N

ClientSampleId :

ICVBN073018

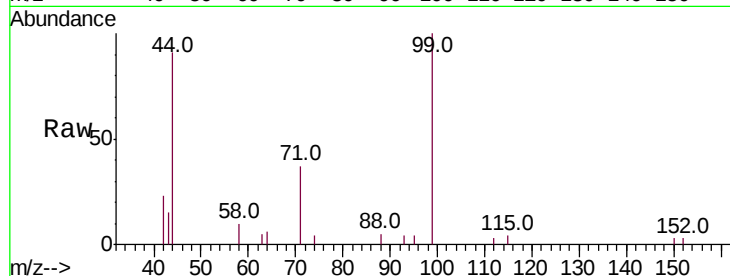
Tot Ion: 99 Resp: 3389

Ion Ratio Lower Upper

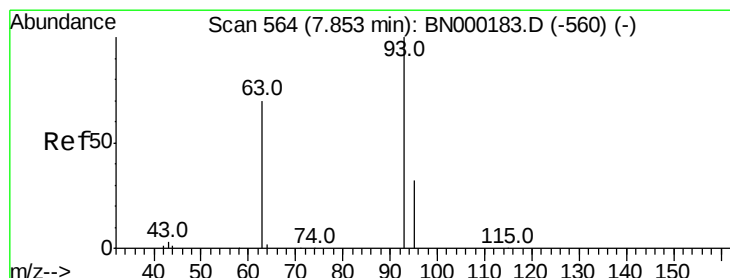
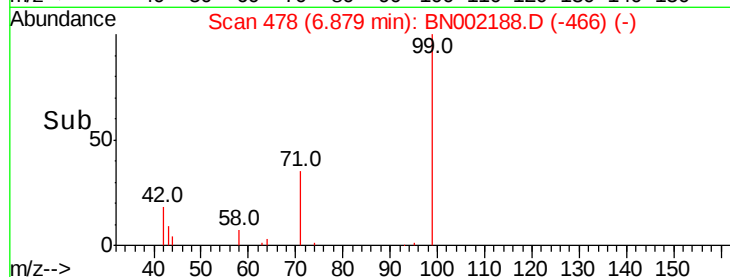
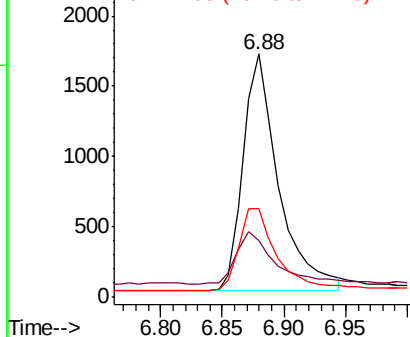
99 100

42 23.9 20.2 30.2

71 36.8 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BNC
Ion 42.00 (41.70 to 42.70): BNC
Ion 71.00 (70.70 to 71.70): BNC



#6

bis(2-Chloroethyl)ether

Concen: 0.391 ng

RT: 7.13 min Scan# 509

Delta R.T. -0.00 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

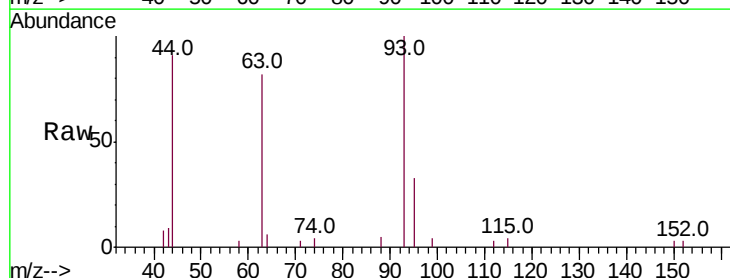
Tgt Ion: 93 Resp: 3275

Ion Ratio Lower Upper

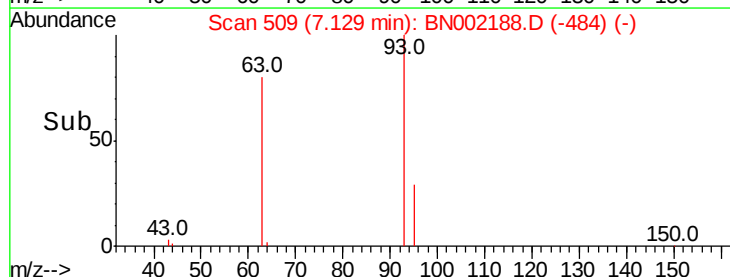
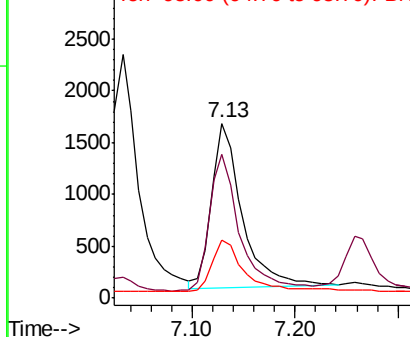
93 100

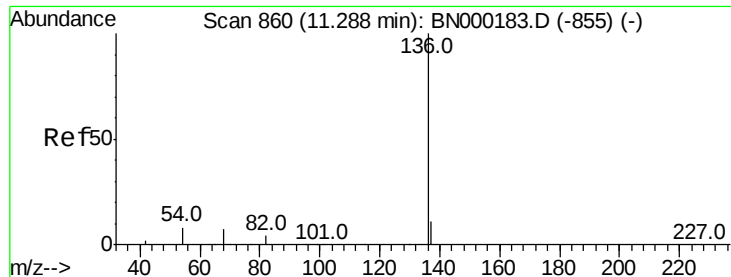
63 82.7 56.0 84.0

95 32.4 25.2 37.8



Abundance Ion 93.00 (92.70 to 93.70): BNC
Ion 63.00 (62.70 to 63.70): BNC
Ion 95.00 (94.70 to 95.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.47 min Scan# 835

Delta R.T. -0.00 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

Instrument :

BNA_N

ClientSampleId :

ICVBN073018

Tot Ion:136 Resp: 12600

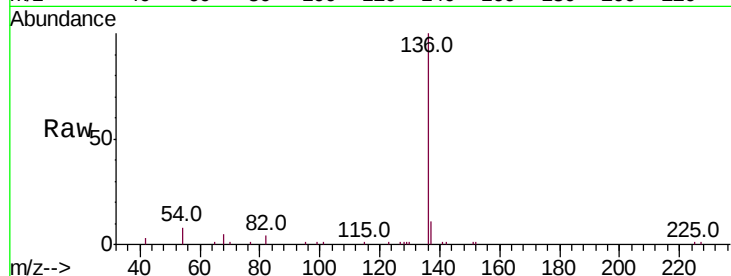
Ion Ratio Lower Upper

136 100

137 11.5 9.5 14.3

54 7.5 29.1 43.7#

68 5.4 6.2 9.2#

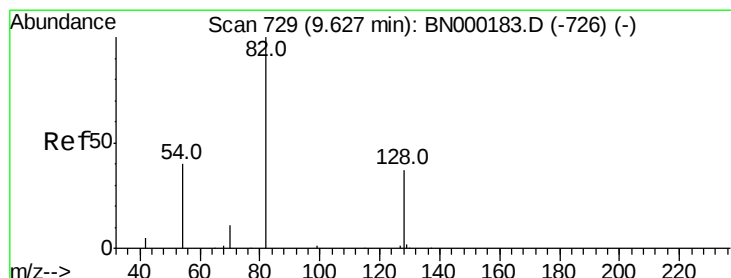
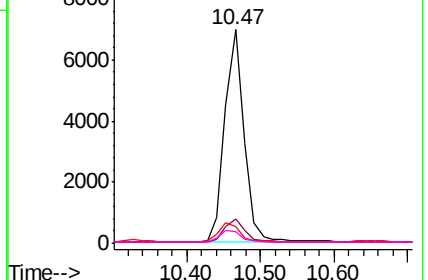
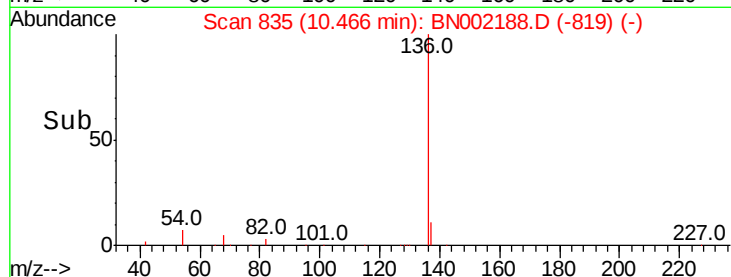


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.399 ng

RT: 8.84 min Scan# 707

Delta R.T. -0.00 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

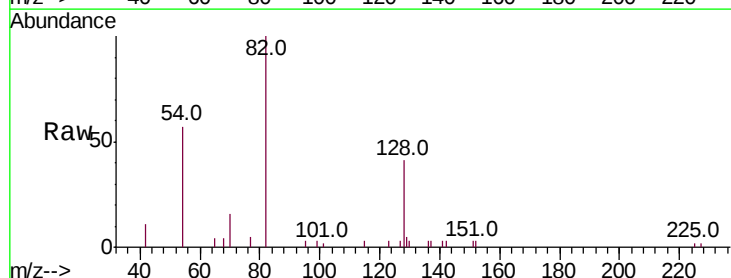
Tgt Ion: 82 Resp: 3778

Ion Ratio Lower Upper

82 100

128 41.0 150.0 225.0#

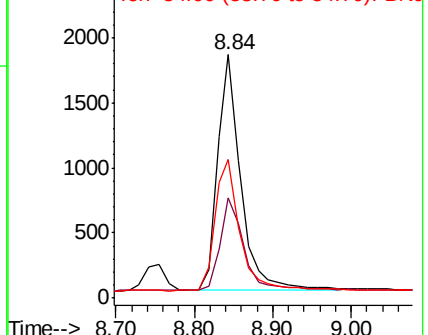
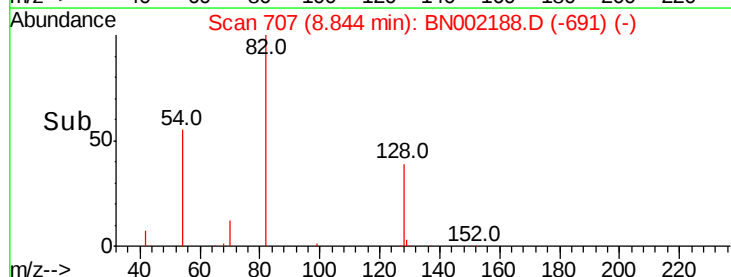
54 57.1 154.2 231.4#

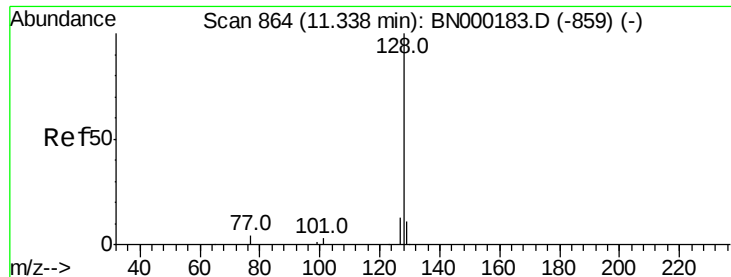


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.410 ng

RT: 10.52 min Scan# 839

Delta R.T. -0.00 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

Instrument :

BNA_N

ClientSampleId :

ICVBN073018

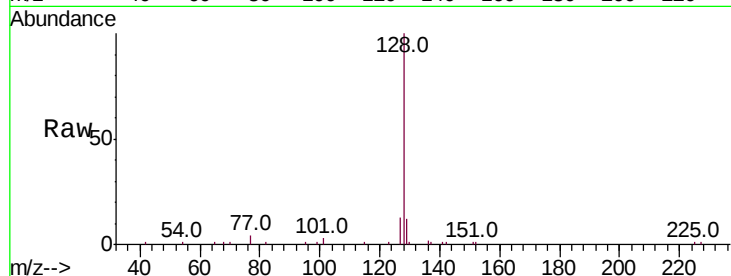
Tot Ion:128 Resp: 11657

Ion Ratio Lower Upper

128 100

129 11.8 8.0 12.0

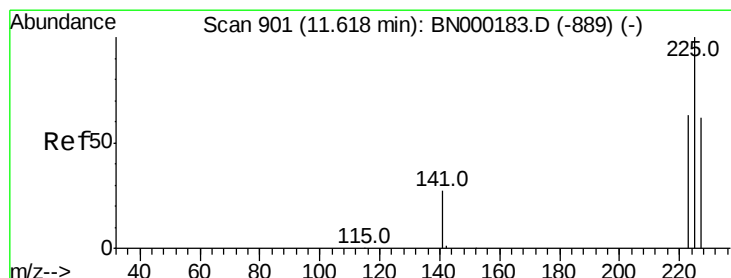
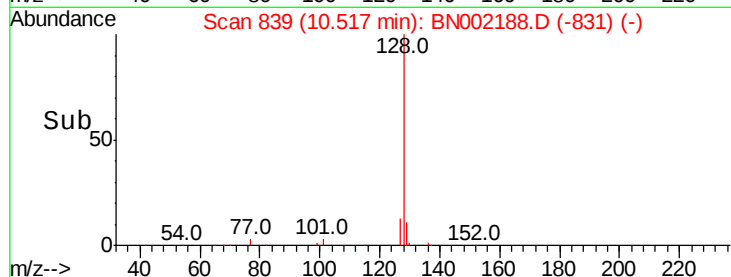
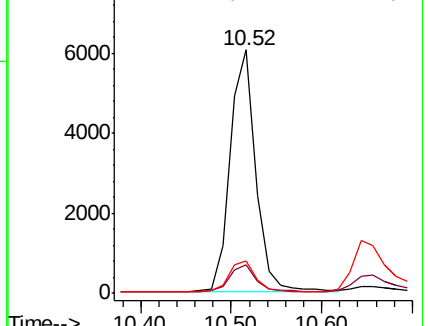
127 13.4 9.6 14.4



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



#10

Hexachlorobutadiene

Concen: 0.410 ng

RT: 10.80 min Scan# 861

Delta R.T. -0.00 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

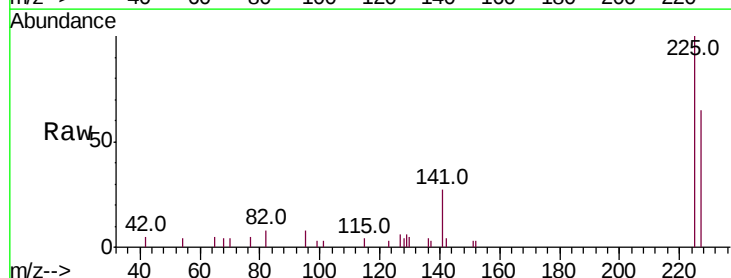
Tgt Ion:225 Resp: 2521

Ion Ratio Lower Upper

225 100

223 0.0 52.0 78.0#

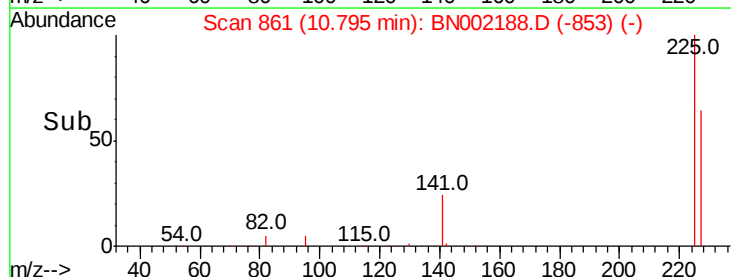
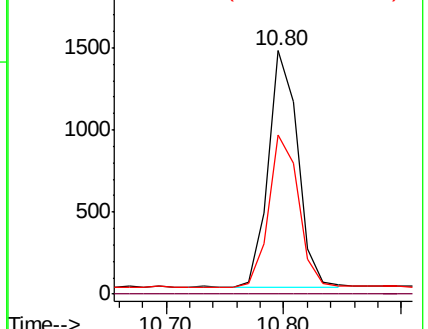
227 65.0 48.0 72.0

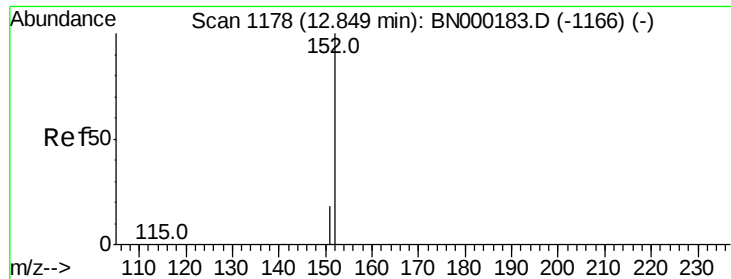


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

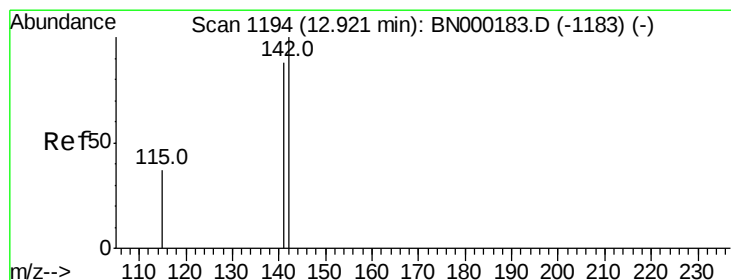
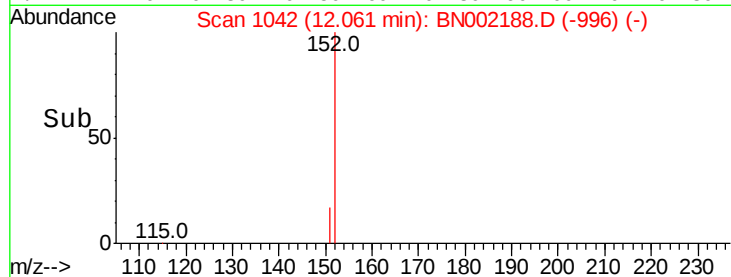
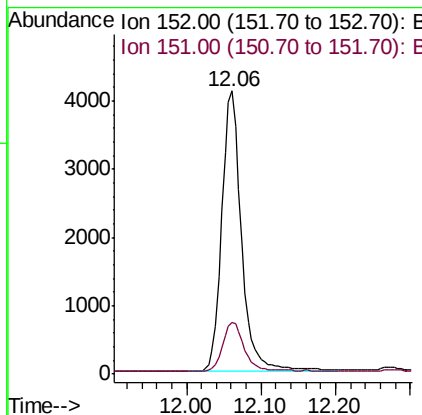
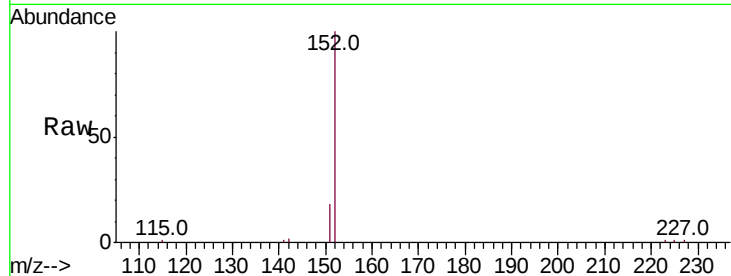




#11
2-Methylnaphthalene-d10
Concen: 0.404 ng
RT: 12.06 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BN002188.D
Acq: 30 Jul 2018 16:19

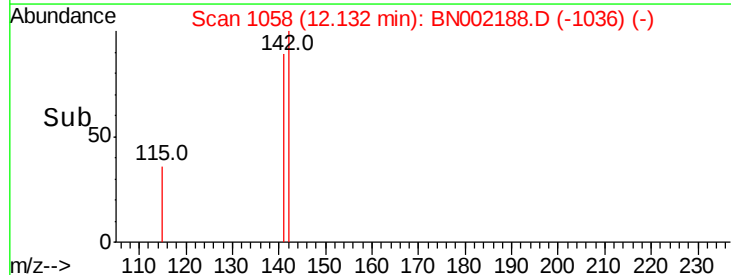
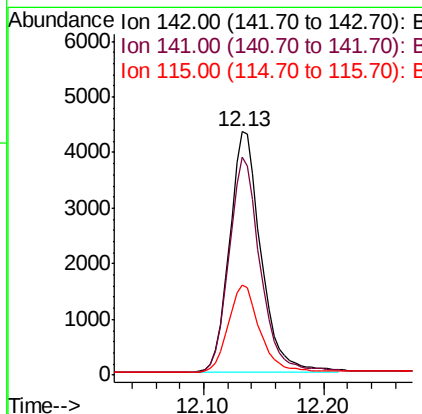
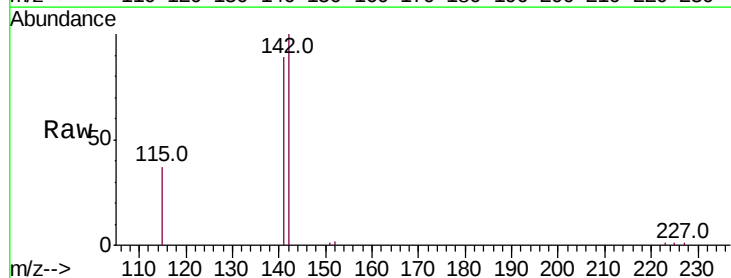
Instrument :
BNA_N
ClientSampleId :
ICVBN073018

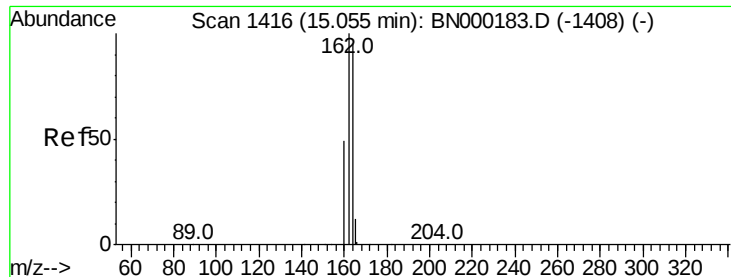
Tot Ion:152 Resp: 7504
Ion Ratio Lower Upper
152 100
151 18.8 15.4 23.0



#12
2-Methylnaphthalene
Concen: 0.409 ng
RT: 12.13 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BN002188.D
Acq: 30 Jul 2018 16:19

Tgt Ion:142 Resp: 7857
Ion Ratio Lower Upper
142 100
141 89.3 70.4 105.6
115 37.2 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.32 min Scan# 1332

Delta R.T. -0.00 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

Instrument :

BNA_N

ClientSampleId :

ICVBN073018

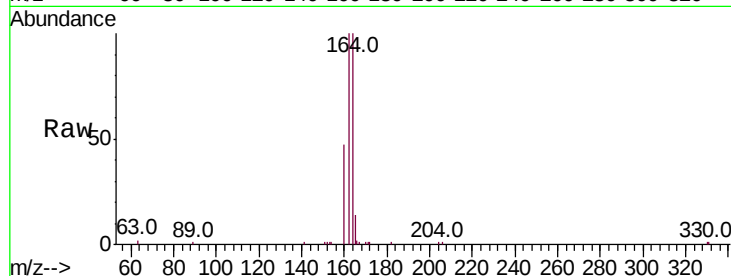
Tot Ion:164 Resp: 7109

Ion Ratio Lower Upper

164 100

162 100.4 83.1 124.7

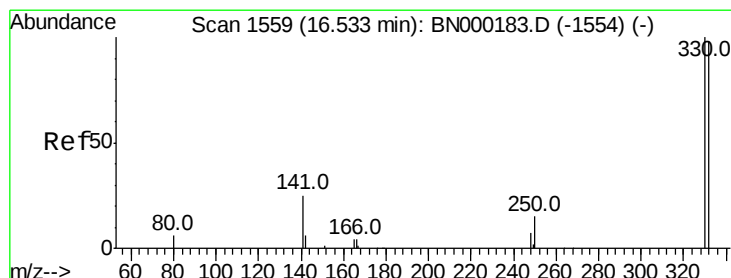
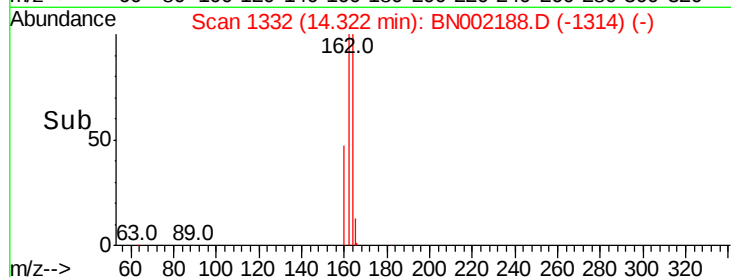
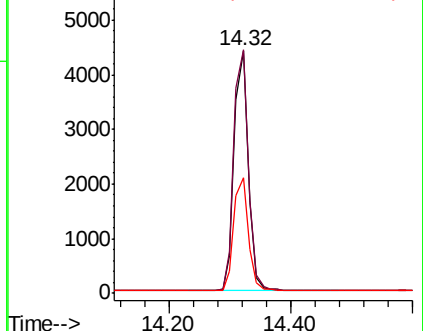
160 47.6 37.1 55.7



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: 0.346 ng

RT: 15.83 min Scan# 1467

Delta R.T. -0.00 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

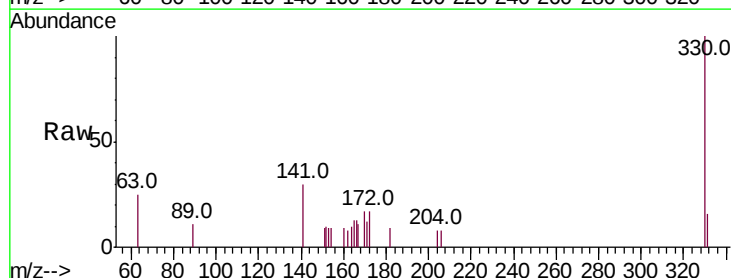
Tgt Ion:330 Resp: 1051

Ion Ratio Lower Upper

330 100

332 0.0 152.7 229.1#

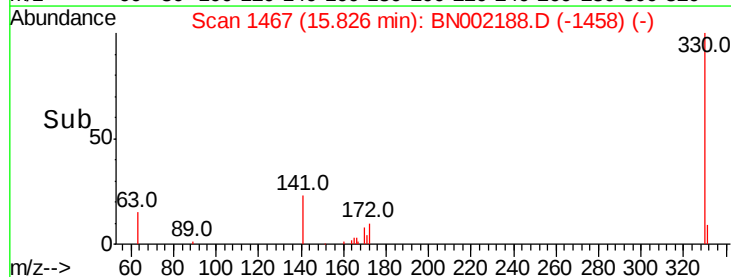
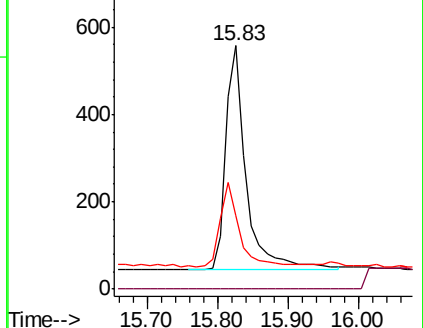
141 35.9 33.7 50.5

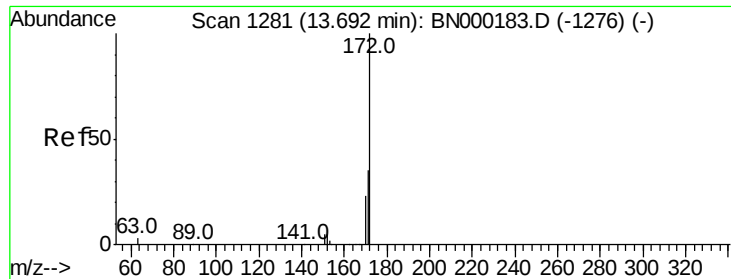


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

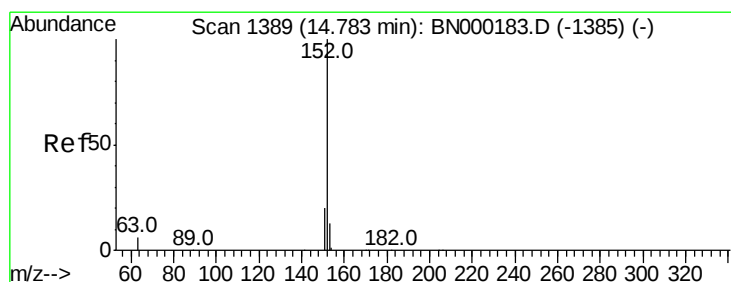
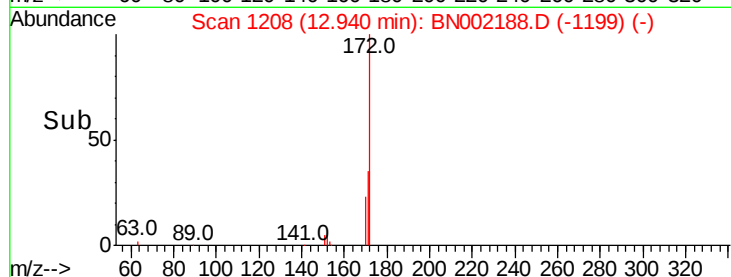
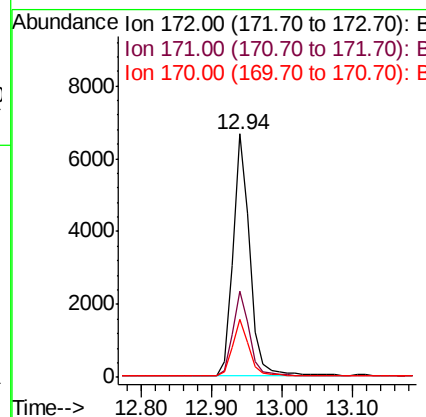
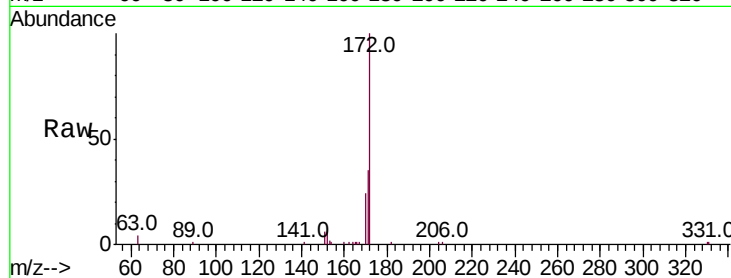




#15
2-Fluorobiphenyl
Concen: 0.406 ng
RT: 12.94 min Scan# 1208
Delta R.T. -0.00 min
Lab File: BN002188.D
Acq: 30 Jul 2018 16:19

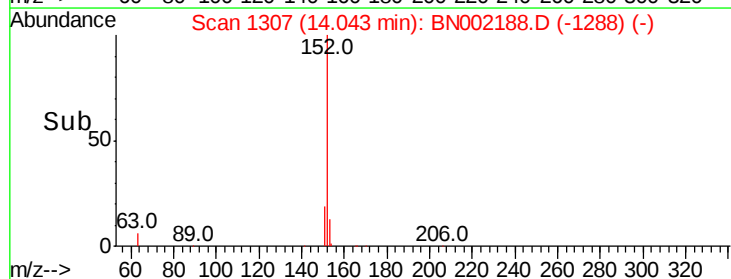
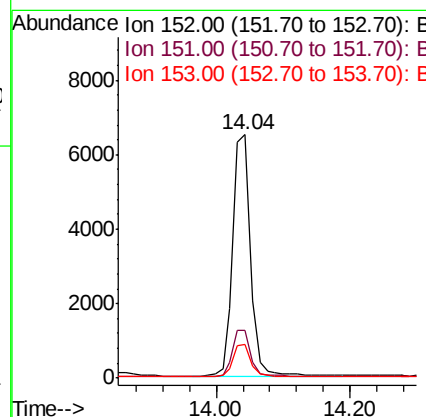
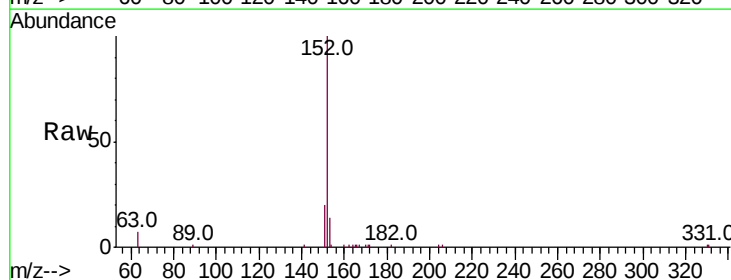
Instrument :
BNA_N
ClientSampleId :
ICVBN073018

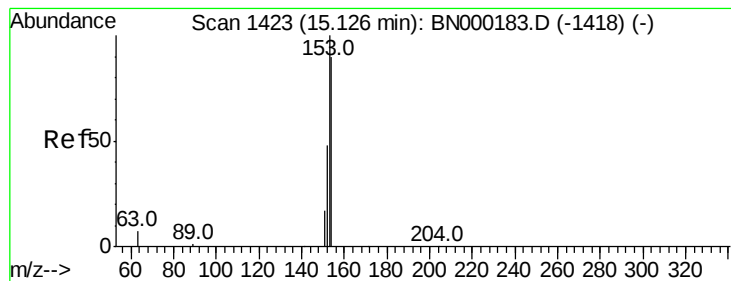
Tot Ion:172 Resp: 11088
Ion Ratio Lower Upper
172 100
171 35.4 29.9 44.9
170 23.8 21.8 32.8



#16
Acenaphthylene
Concen: 0.392 ng
RT: 14.04 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BN002188.D
Acq: 30 Jul 2018 16:19

Tgt Ion:152 Resp: 11920
Ion Ratio Lower Upper
152 100
151 19.5 15.7 23.5
153 13.2 10.5 15.7





#17

Acenaphthene

Concen: 0.402 ng

RT: 14.38 min Scan# 1337

Delta R.T. -0.00 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

Instrument :

BNA_N

ClientSampleId :

ICVBN073018

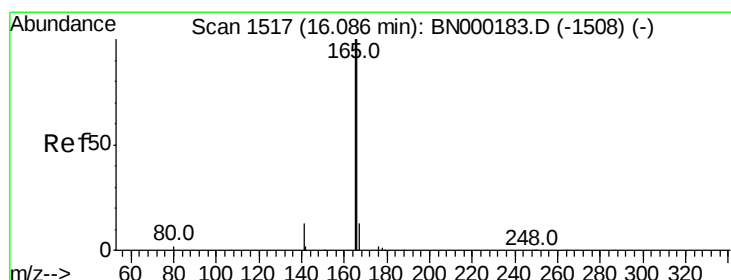
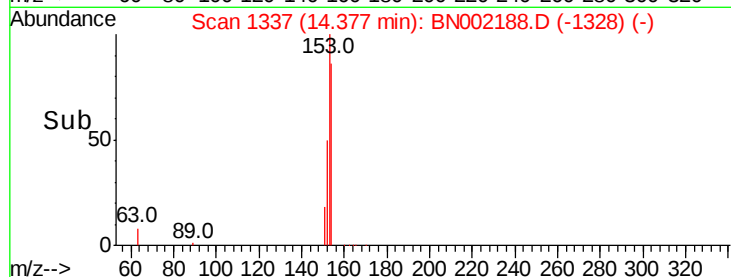
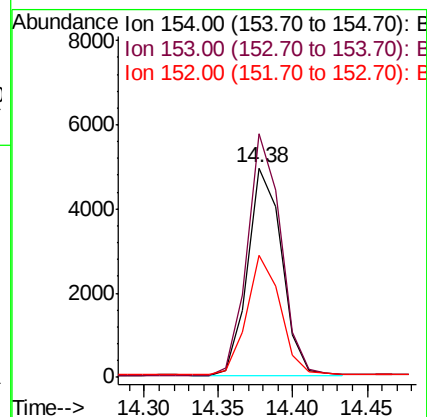
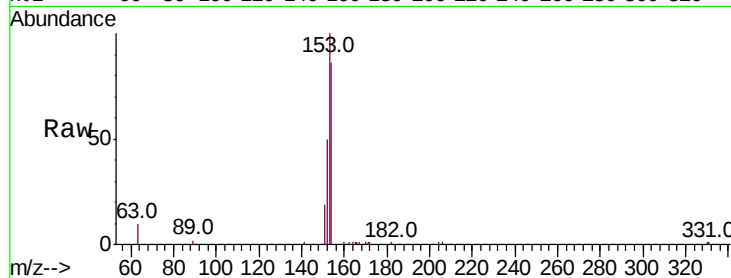
Tot Ion:154 Resp: 7857

Ion Ratio Lower Upper

154 100

153 114.5 89.2 133.8

152 56.9 42.0 63.0



#18

Fluorene

Concen: 0.401 ng

RT: 15.37 min Scan# 1426

Delta R.T. -0.00 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

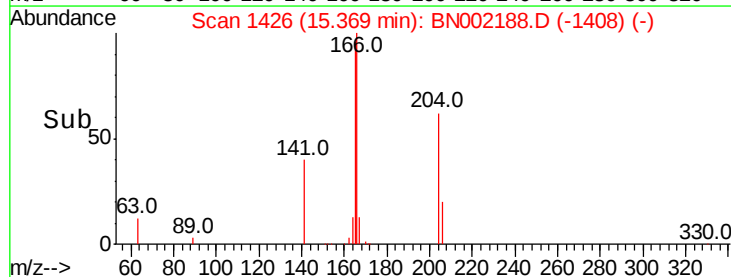
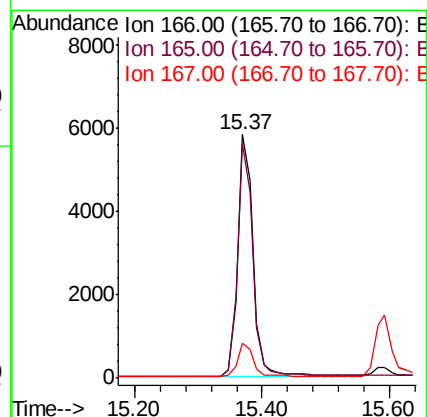
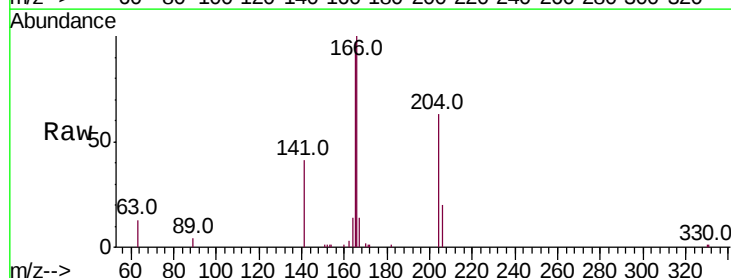
Tgt Ion:166 Resp: 9638

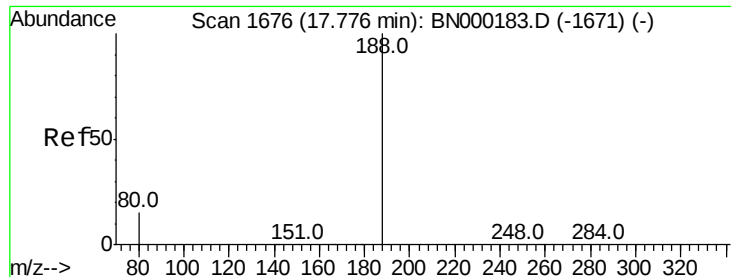
Ion Ratio Lower Upper

166 100

165 97.0 77.8 116.6

167 13.7 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.07 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

Instrument :

BNA_N

ClientSampleId :

ICVBN073018

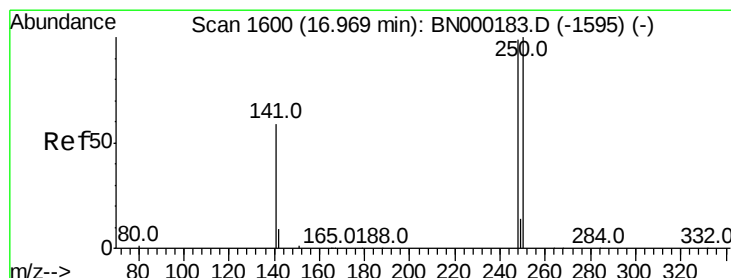
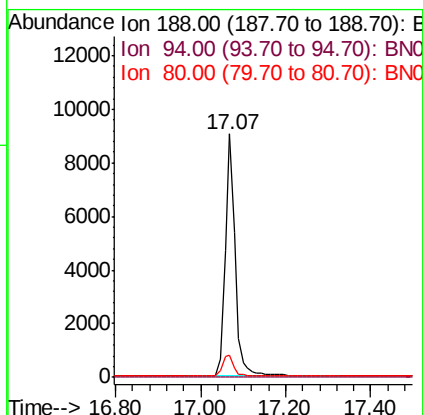
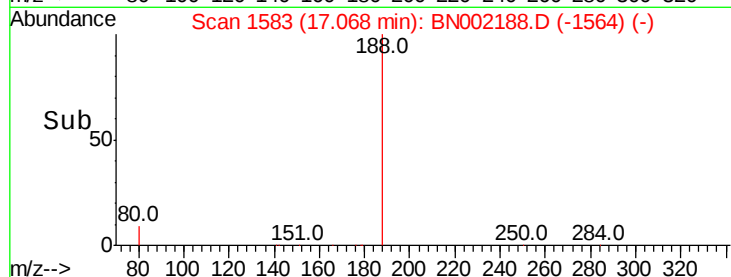
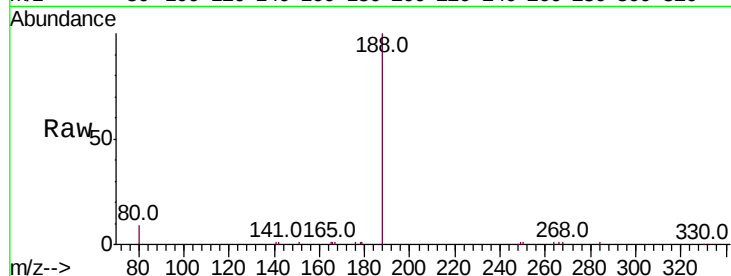
Tot Ion:188 Resp: 14640

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 9.3 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.411 ng

RT: 16.27 min Scan# 1508

Delta R.T. 0.01 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

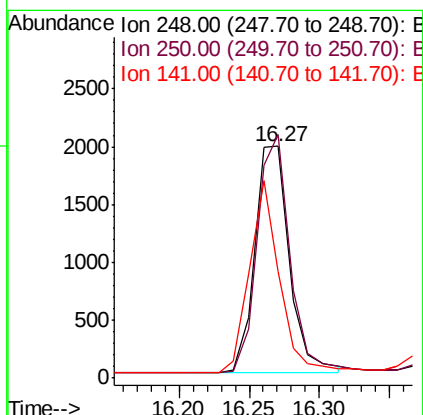
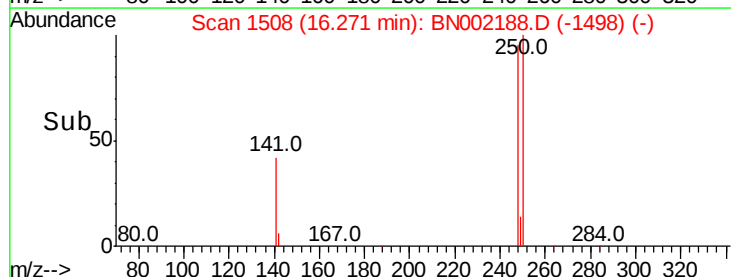
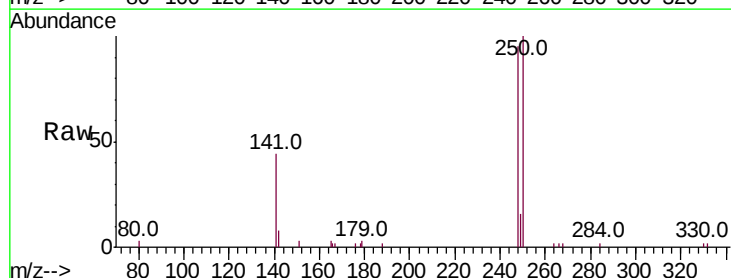
Tgt Ion:248 Resp: 3406

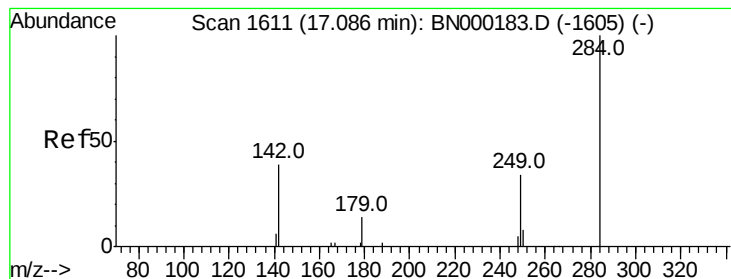
Ion Ratio Lower Upper

248 100

250 105.0 62.7 94.1#

141 45.8 48.2 72.2#





#21

Hexachlorobenzene

Concen: 0.424 ng

RT: 16.38 min Scan# 1518

Delta R.T. -0.00 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

Instrument :

BNA_N

ClientSampleId :

ICVBN073018

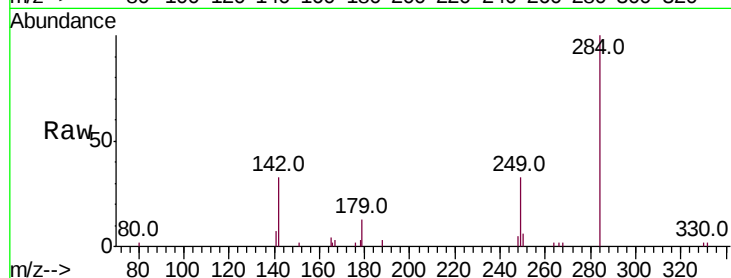
Tot Ion:284 Resp: 3883

Ion Ratio Lower Upper

284 100

142 36.4 32.0 48.0

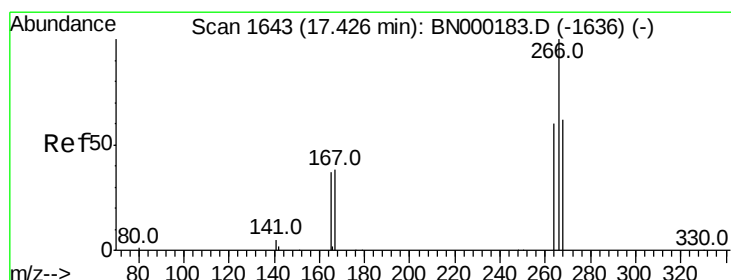
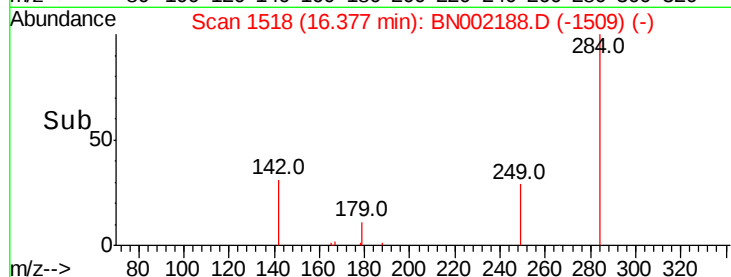
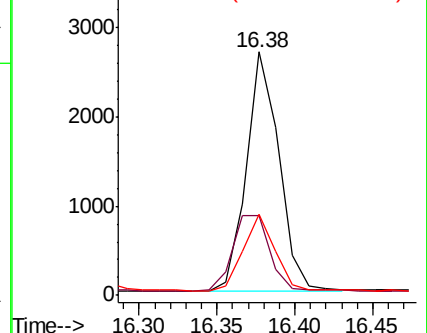
249 31.3 24.0 36.0



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.335 ng

RT: 16.74 min Scan# 1552

Delta R.T. 0.00 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

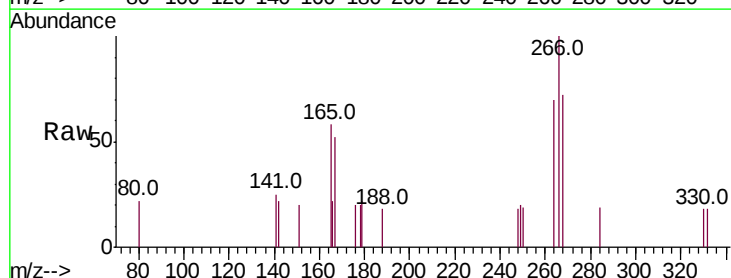
Tgt Ion:266 Resp: 554

Ion Ratio Lower Upper

266 100

264 70.0 48.0 72.0

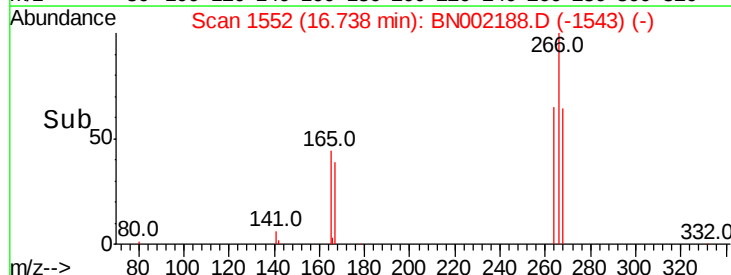
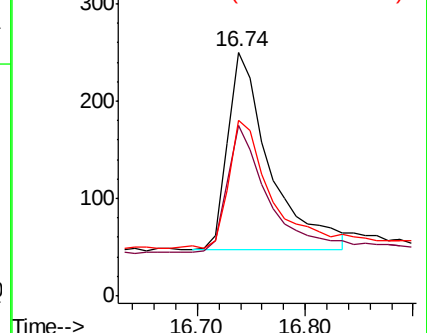
268 72.0 52.0 78.0

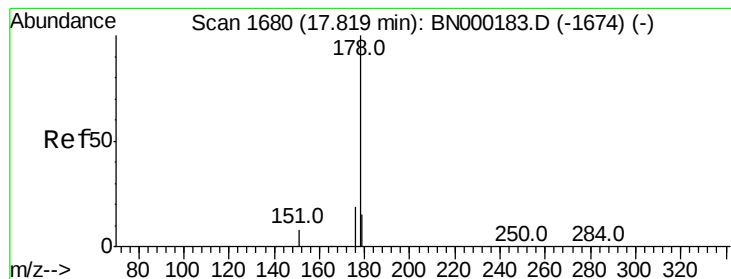


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.405 ng

RT: 17.11 min Scan# 1587

Delta R.T. -0.00 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

Instrument :

BNA_N

ClientSampleId :

ICVBN073018

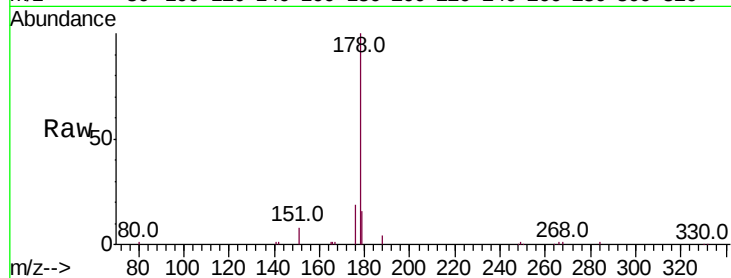
Tot Ion:178 Resp: 14744

Ion Ratio Lower Upper

178 100

176 19.1 15.1 22.7

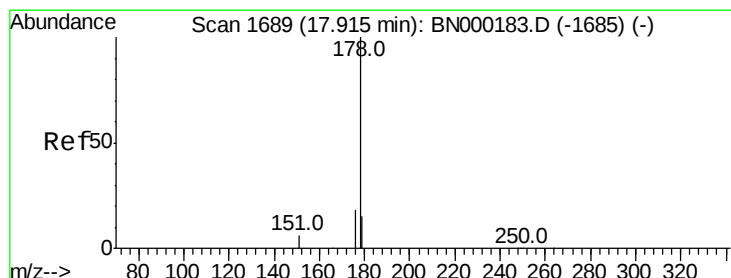
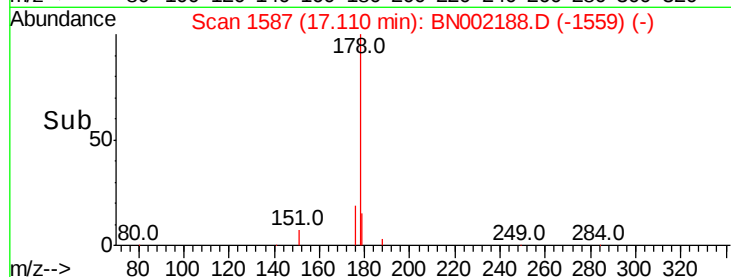
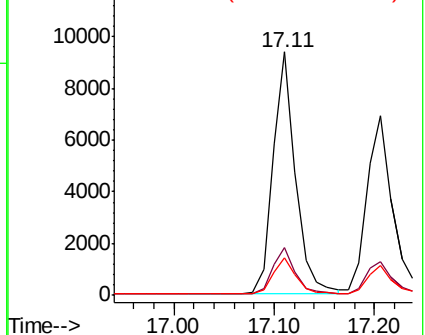
179 15.2 11.8 17.6



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: 0.383 ng

RT: 17.21 min Scan# 1596

Delta R.T. -0.00 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

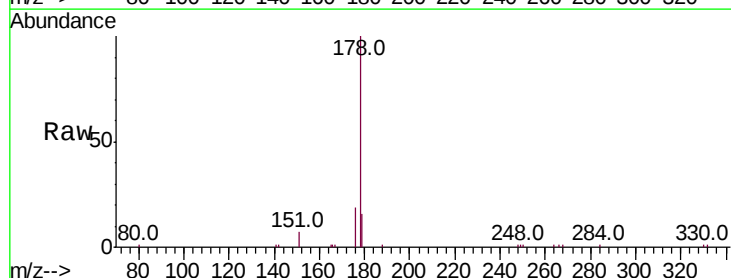
Tgt Ion:178 Resp: 11553

Ion Ratio Lower Upper

178 100

176 18.2 12.8 19.2

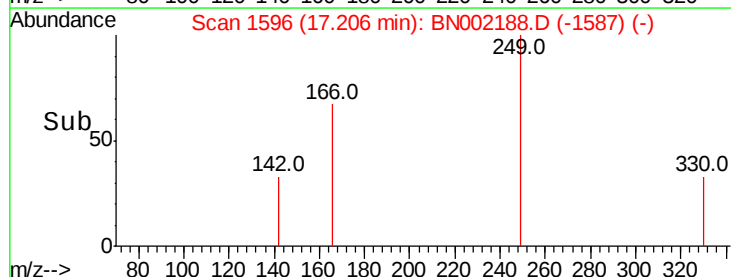
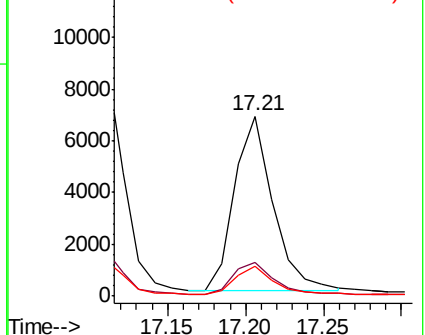
179 15.4 13.0 19.6

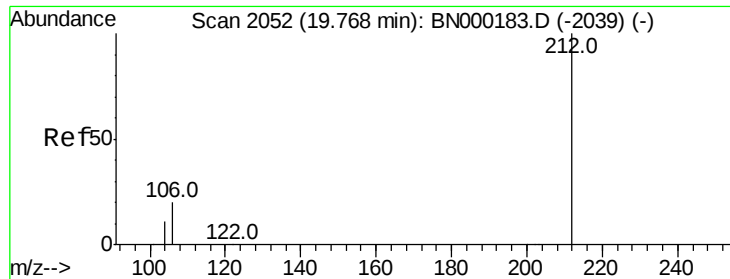


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.364 ng

RT: 19.11 min Scan# 1892

Delta R.T. -0.00 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

Instrument :

BNA_N

ClientSampleId :

ICVBN073018

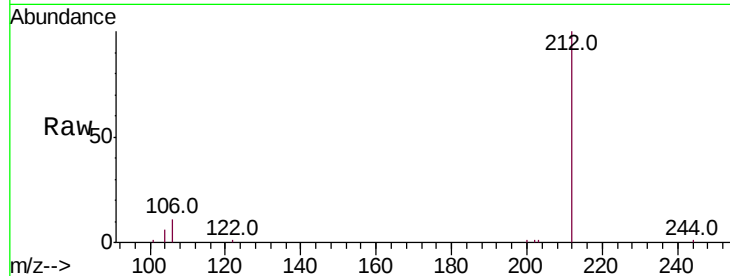
Tot Ion:212 Resp: 13169

Ion Ratio Lower Upper

212 100

106 11.5 2.8 4.2#

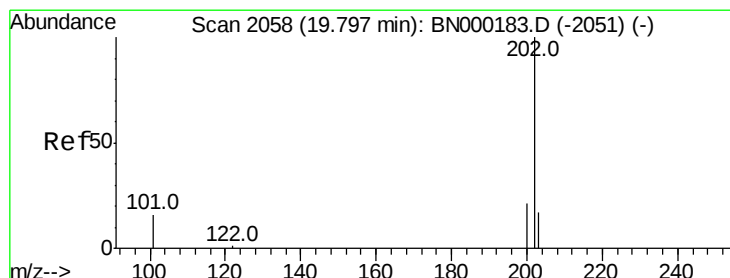
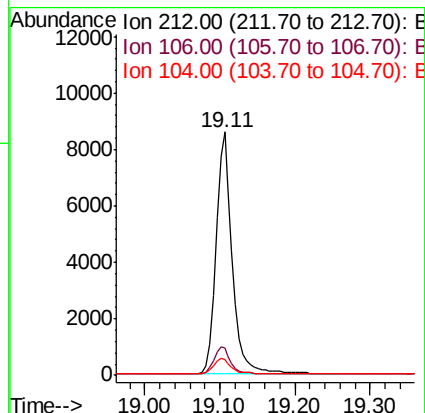
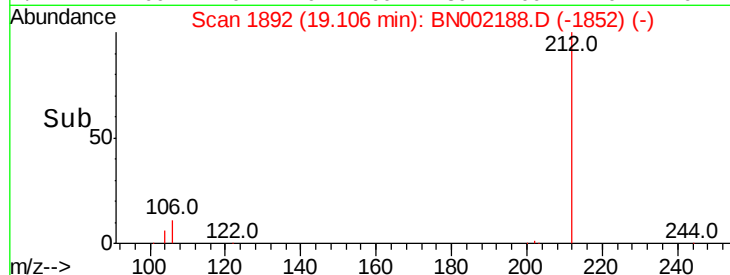
104 6.4 1.6 2.4#



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: 0.363 ng

RT: 19.14 min Scan# 1898

Delta R.T. -0.00 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

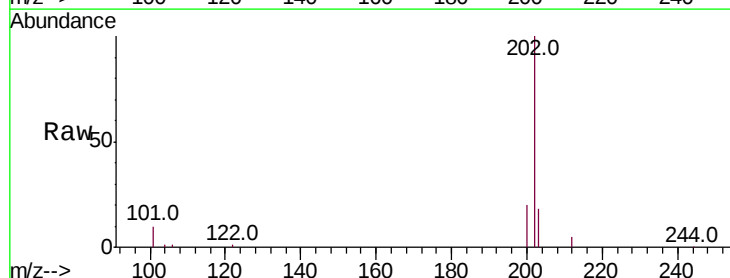
Tgt Ion:202 Resp: 14406

Ion Ratio Lower Upper

202 100

101 9.8 9.8 14.8#

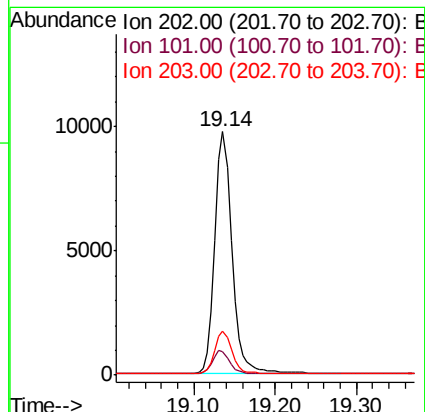
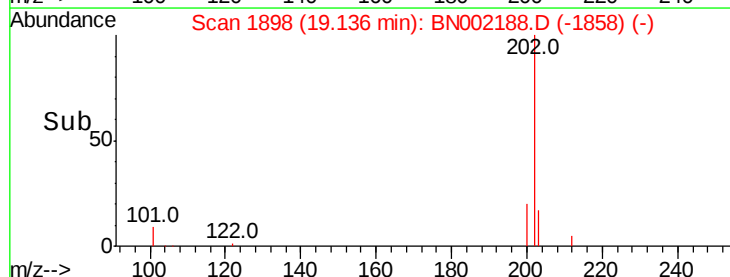
203 17.1 13.7 20.5

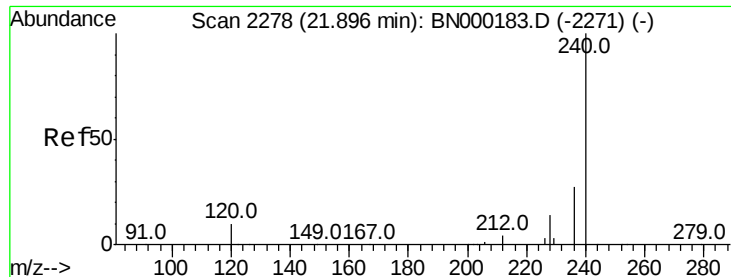


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.27 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

Instrument :

BNA_N

ClientSampleId :

ICVBN073018

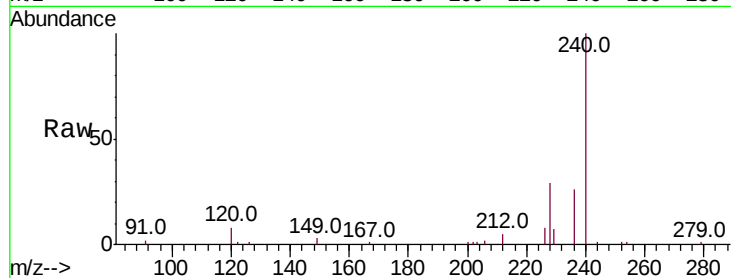
Tot Ion:240 Resp: 11019

Ion Ratio Lower Upper

240 100

120 8.3 5.5 8.3

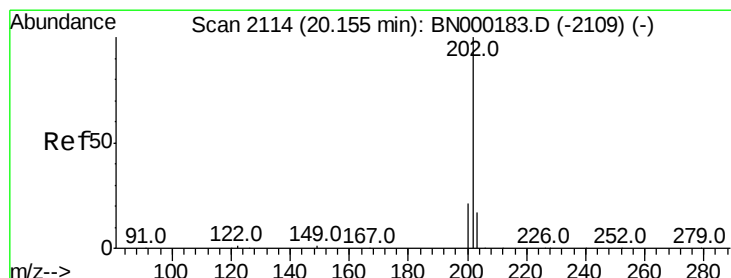
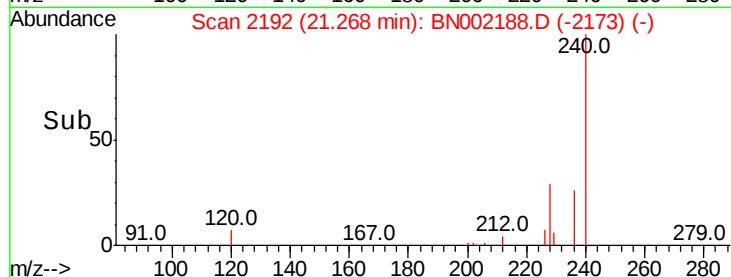
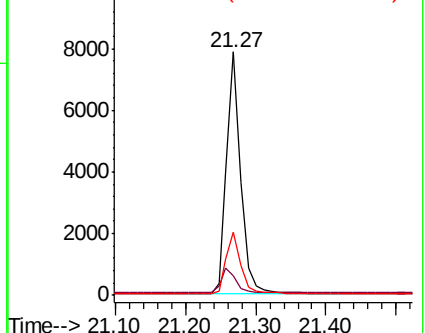
236 26.1 20.7 31.1



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: 0.441 ng

RT: 19.50 min Scan# 1971

Delta R.T. -0.00 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

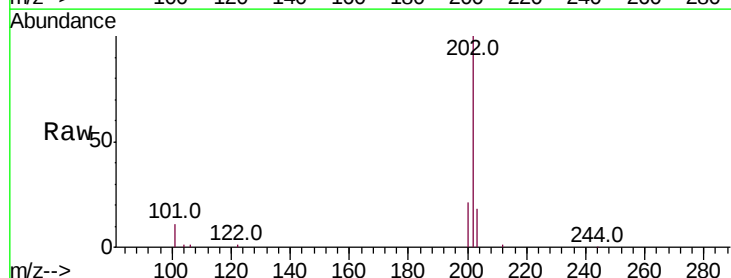
Tgt Ion:202 Resp: 14379

Ion Ratio Lower Upper

202 100

200 20.5 16.6 25.0

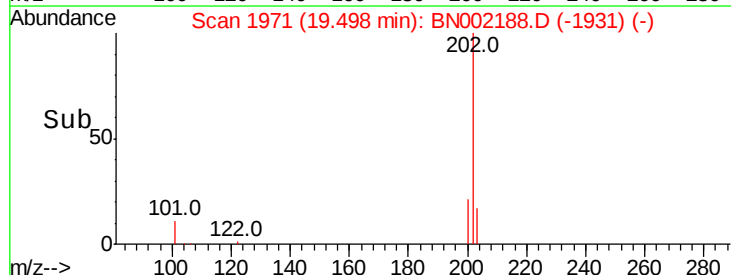
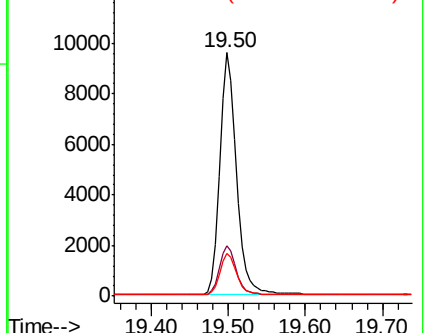
203 17.4 13.8 20.8

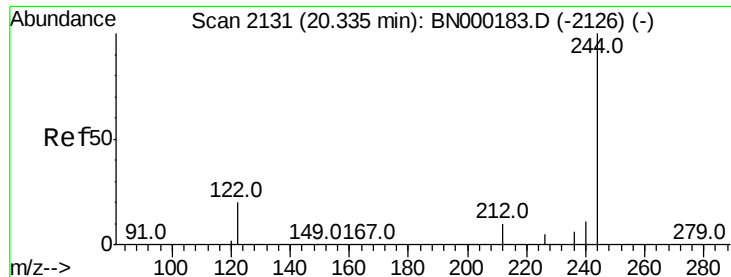


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.424 ng

RT: 19.71 min Scan# 2013

Delta R.T. -0.00 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

Instrument :

BNA_N

ClientSampleId :

ICVBN073018

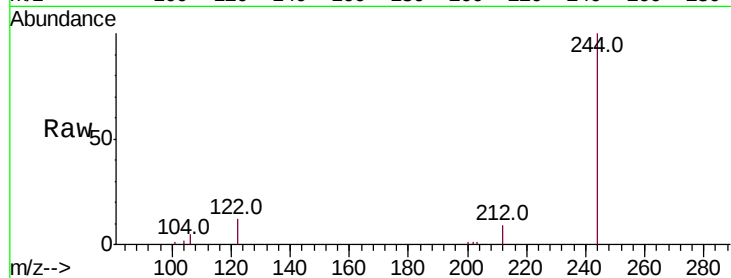
Tot Ion:244 Resp: 9974

Ion Ratio Lower Upper

244 100

212 8.6 25.4 38.0#

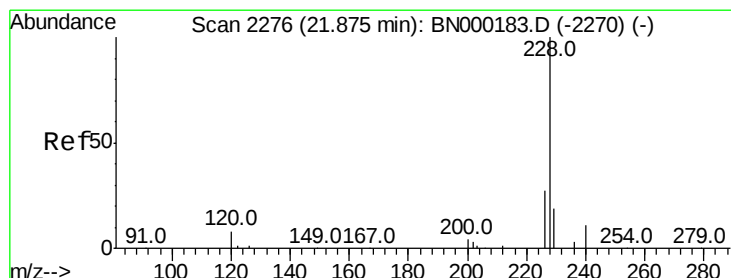
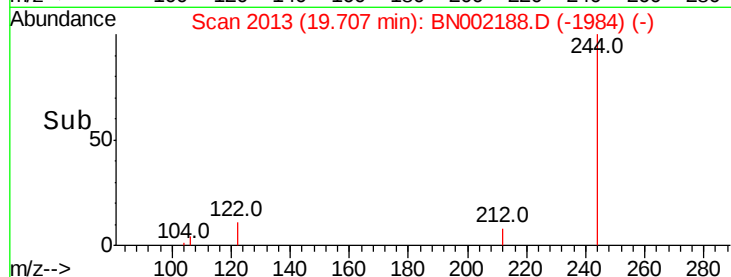
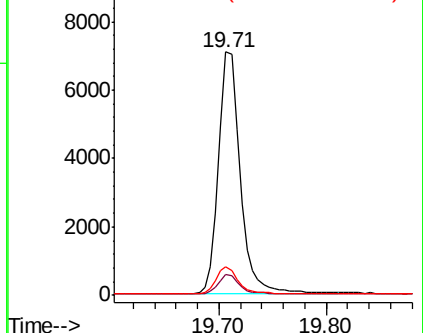
122 11.8 8.1 12.1



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: 0.392 ng

RT: 21.26 min Scan# 2191

Delta R.T. -0.00 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

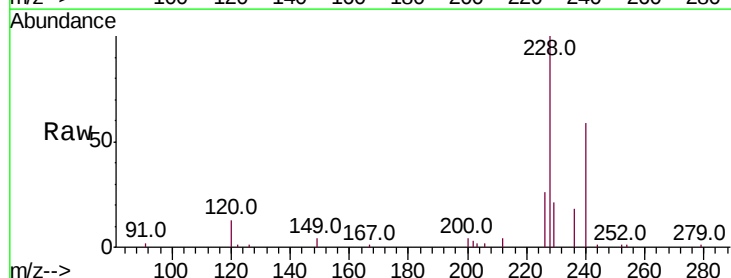
Tgt Ion:228 Resp: 10874

Ion Ratio Lower Upper

228 100

226 26.1 24.0 36.0

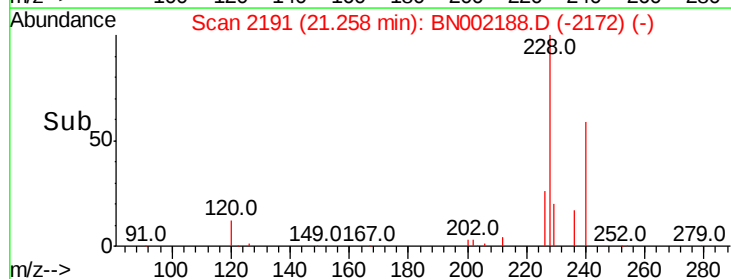
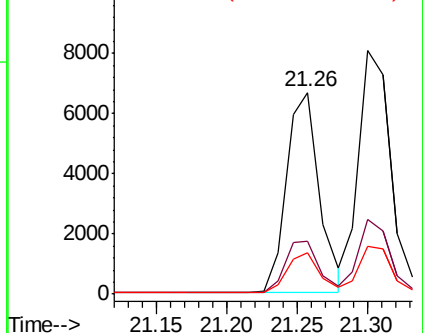
229 20.7 16.0 24.0

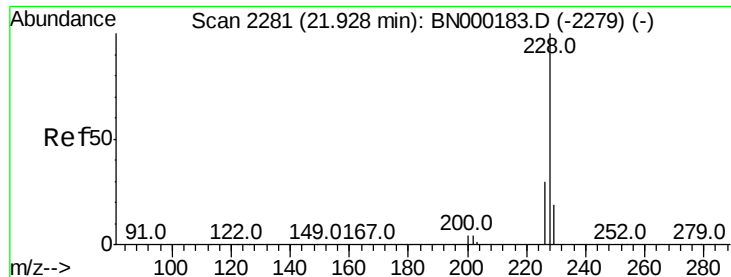


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.412 ng

RT: 21.30 min Scan# 2195

Delta R.T. -0.00 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

Instrument :

BNA_N

ClientSampleId :

ICVBN073018

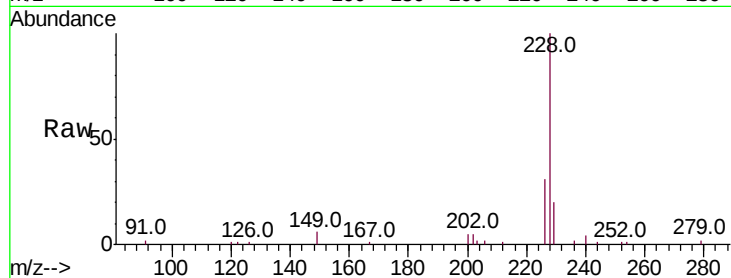
Tot Ion:228 Resp: 12792

Ion Ratio Lower Upper

228 100

226 30.6 24.0 36.0

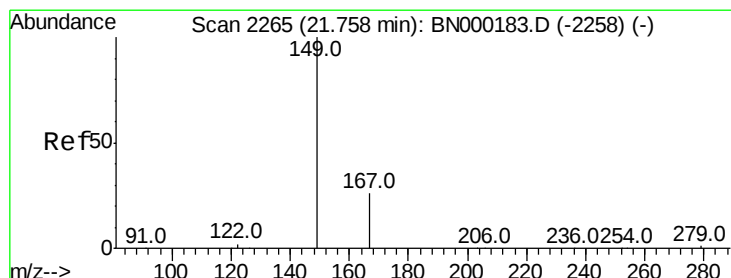
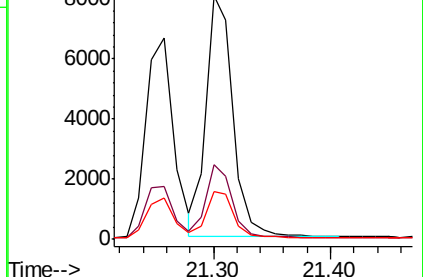
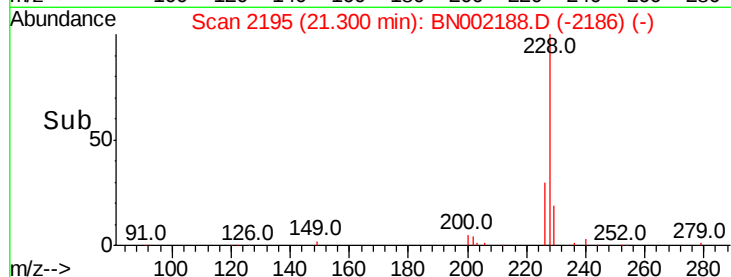
229 19.7 16.0 24.0



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: 0.355 ng

RT: 21.18 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

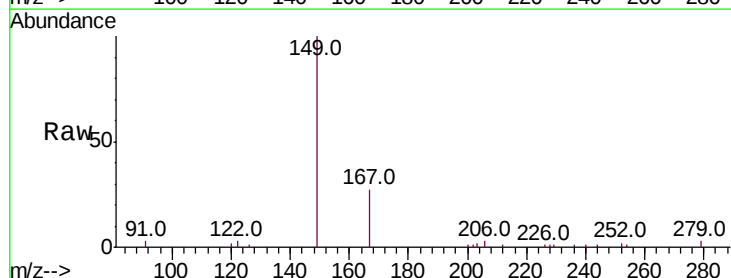
Tgt Ion:149 Resp: 4496

Ion Ratio Lower Upper

149 100

167 27.8 20.0 30.0

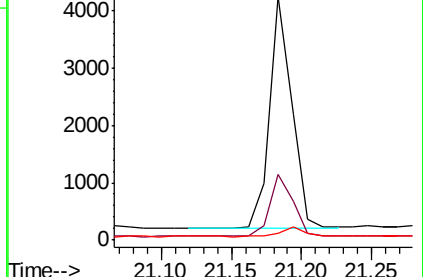
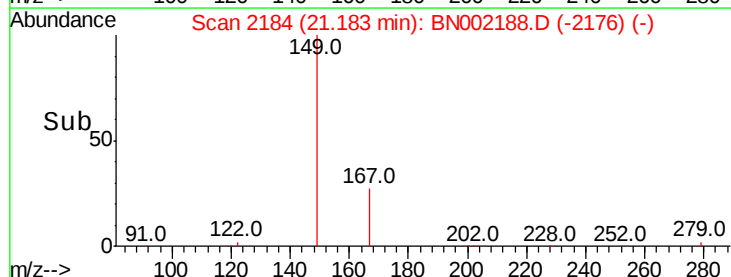
279 4.2 1.6 2.4#

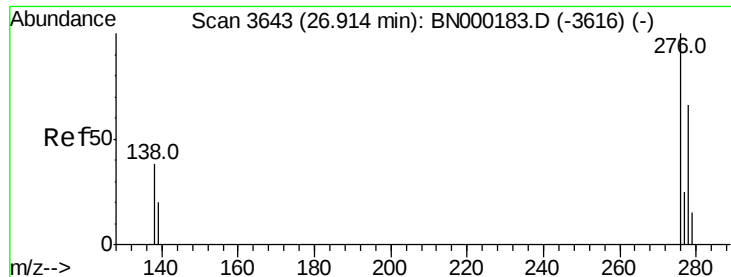


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

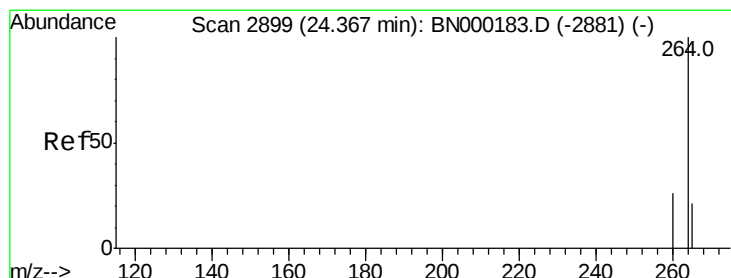
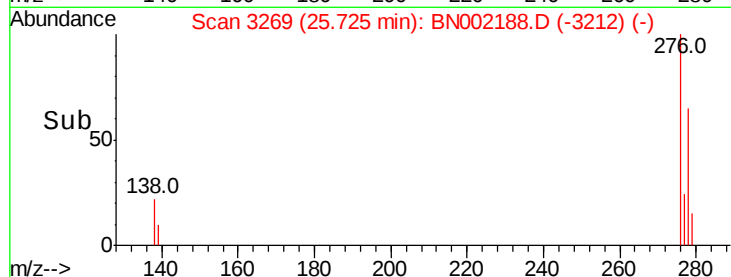
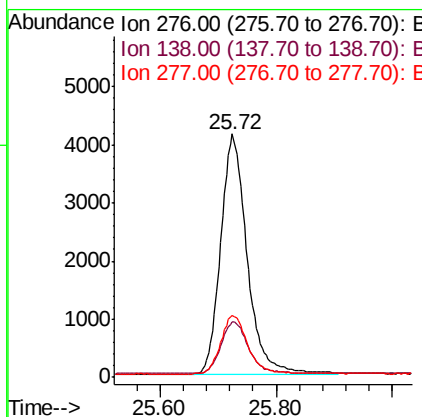
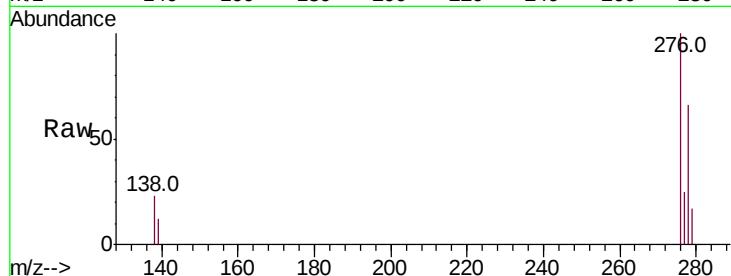




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.448 ng
 RT: 25.72 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: BN002188.D
 Acq: 30 Jul 2018 16:19

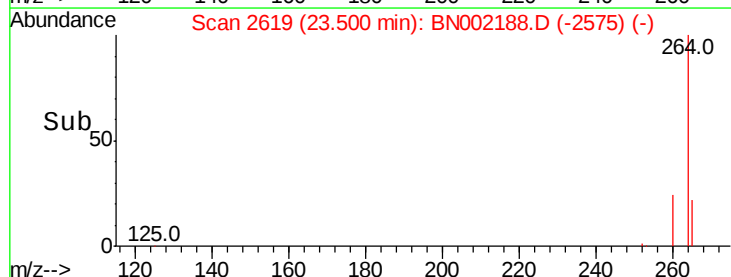
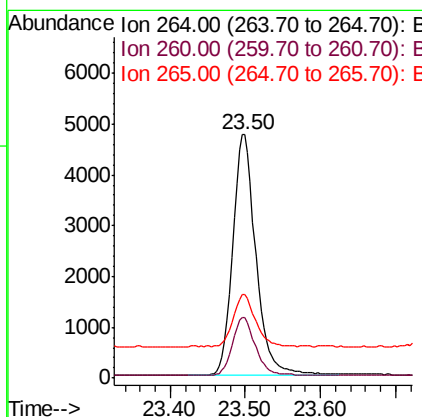
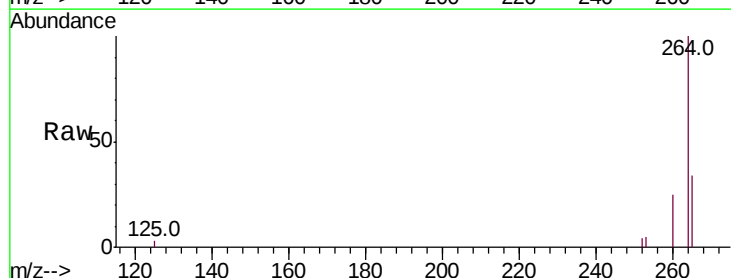
Instrument :
 BNA_N
 ClientSampleId :
 ICVBN073018

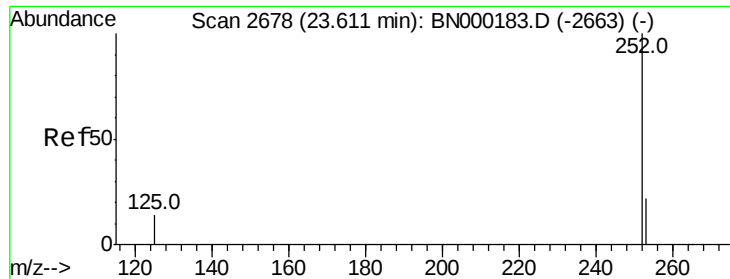
Tot Ion:276 Resp: 13093
 Ion Ratio Lower Upper
 276 100
 138 22.2 22.5 33.7#
 277 24.7 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.50 min Scan# 2619
 Delta R.T. -0.00 min
 Lab File: BN002188.D
 Acq: 30 Jul 2018 16:19

Tgt Ion:264 Resp: 9911
 Ion Ratio Lower Upper
 264 100
 260 24.9 20.5 30.7
 265 34.4 22.8 34.2#





#35

Benzo(b)fluoranthene

Concen: 0.394 ng

RT: 22.83 min Scan# 2424

Delta R.T. -0.00 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

Instrument :

BNA_N

ClientSampleId :

ICVBN073018

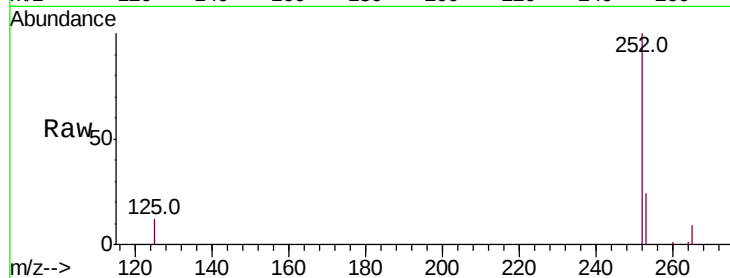
Tot Ion:252 Resp: 11473

Ion Ratio Lower Upper

252 100

253 24.5 20.0 30.0

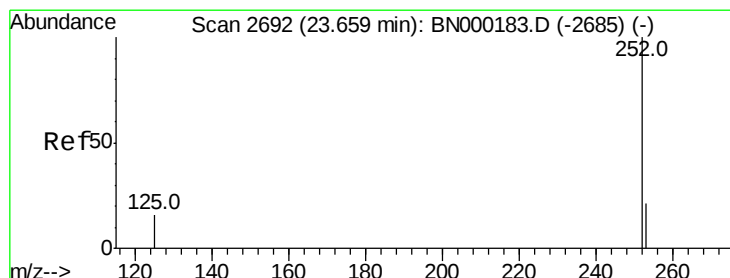
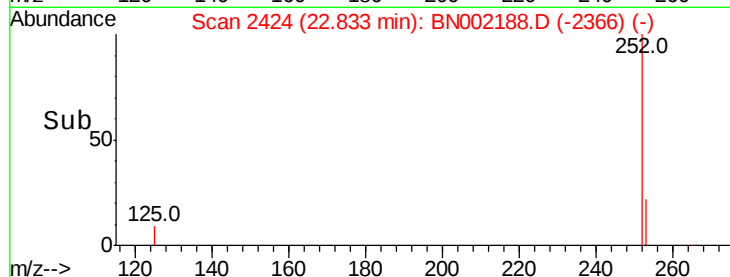
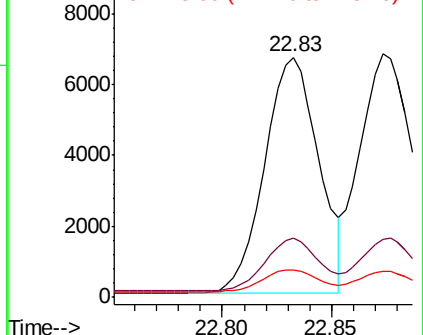
125 11.6 16.0 24.0#



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



#36

Benzo(k)fluoranthene

Concen: 0.401 ng

RT: 22.87 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

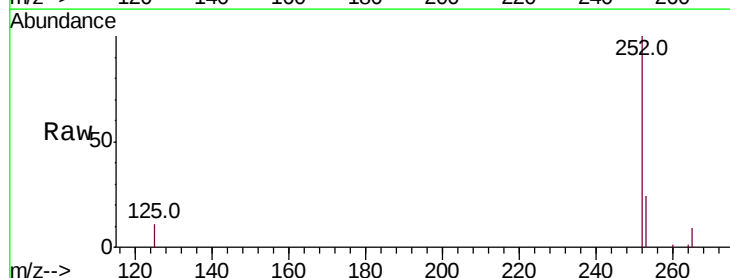
Tgt Ion:252 Resp: 12120

Ion Ratio Lower Upper

252 100

253 24.0 16.0 24.0#

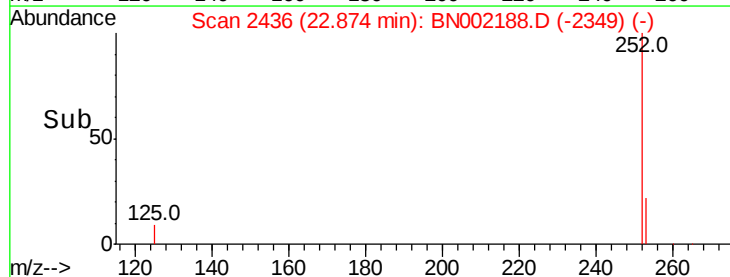
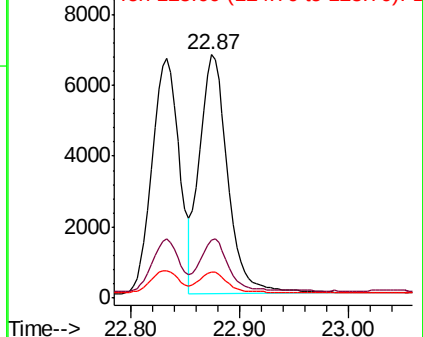
125 10.9 8.0 12.0

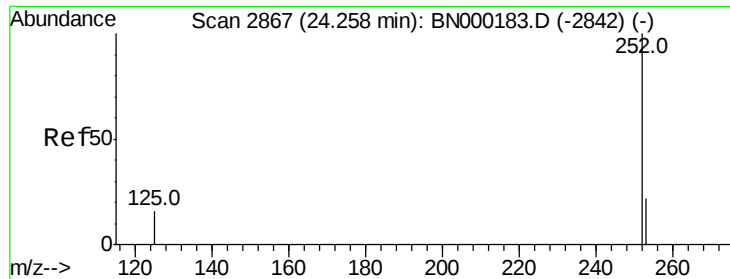


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.406 ng

RT: 23.40 min Scan# 2590

Delta R.T. -0.00 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

Instrument :

BNA_N

ClientSampleId :

ICVBN073018

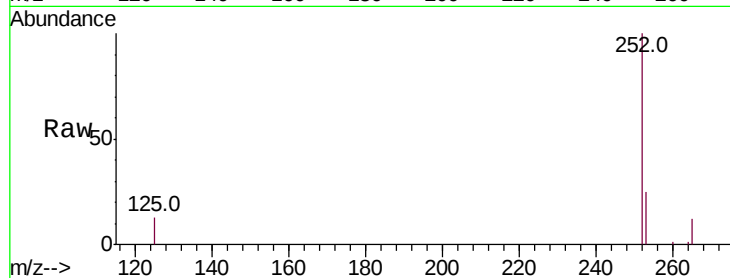
Tot Ion:252 Resp: 10716

Ion Ratio Lower Upper

252 100

253 25.3 16.0 24.0#

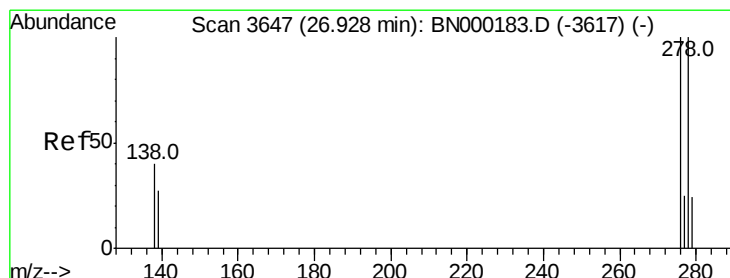
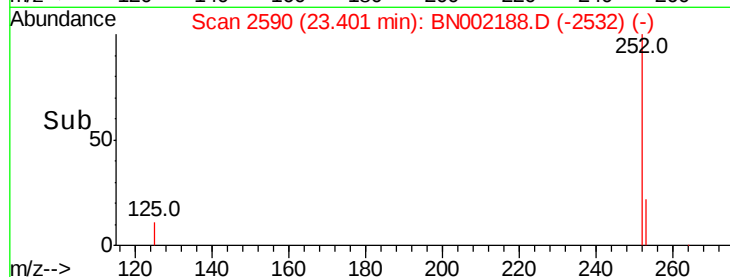
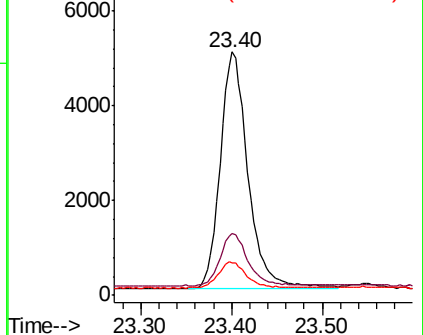
125 13.4 12.0 18.0



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: 0.422 ng

RT: 25.74 min Scan# 3273

Delta R.T. -0.00 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

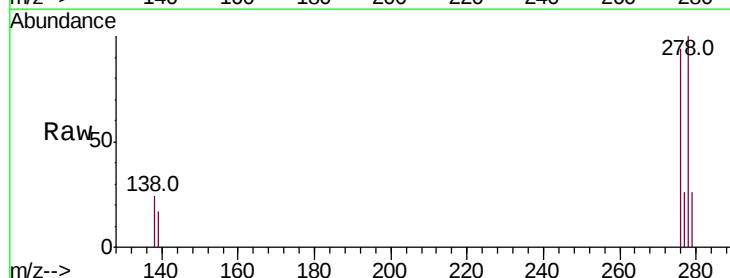
Tgt Ion:278 Resp: 10834

Ion Ratio Lower Upper

278 100

139 16.9 16.0 24.0

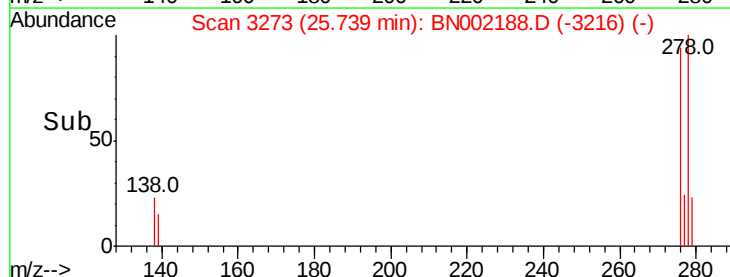
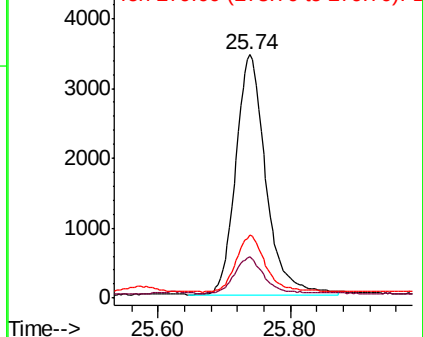
279 26.0 20.0 30.0

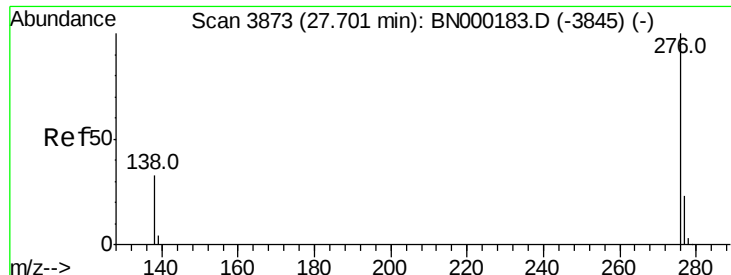


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.427 ng

RT: 26.40 min Scan# 3467

Delta R.T. -0.00 min

Lab File: BN002188.D

Acq: 30 Jul 2018 16:19

Instrument :

BNA_N

ClientSampleId :

ICVBN073018

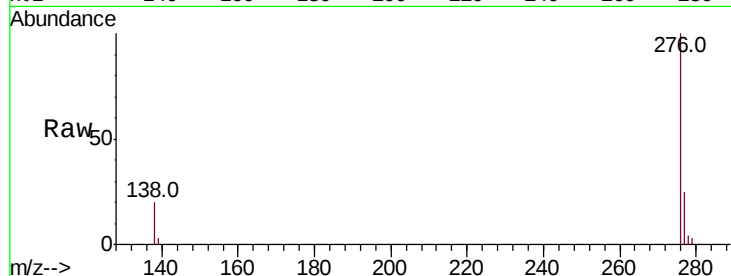
Tot Ion:276 Resp: 11203

Ion Ratio Lower Upper

276 100

277 25.0 16.0 24.0#

138 20.4 20.0 30.0



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

