

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN073018\
 Data File : BN002199.D
 Acq On : 30 Jul 2018 23:07
 Operator : JU/SJ
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 31 01:26:40 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	3102	0.40	ng	0.00
7) Naphthalene-d8	10.47	136	12617	0.40	ng	0.00
13) Acenaphthene-d10	14.32	164	6691	0.40	ng	0.00
19) Phenanthrene-d10	17.07	188	13465	0.40	ng	0.00
27) Chrysene-d12	21.27	240	10743	0.40	ng	0.00
34) Perylene-d12	23.50	264	9998	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.32	112	2621	0.36	ng	0.00
5) Phenol-d6	6.88	99	3113	0.35	ng	0.00
8) Nitrobenzene-d5	8.84	82	3572	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.06	152	6998	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.83	330	930	0.33	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	10287	0.40	ng	0.00
25) Fluoranthene-d10	19.11	212	11632	0.35	ng	0.00
29) Terphenyl-d14	19.71	244	8896	0.39	ng	0.00

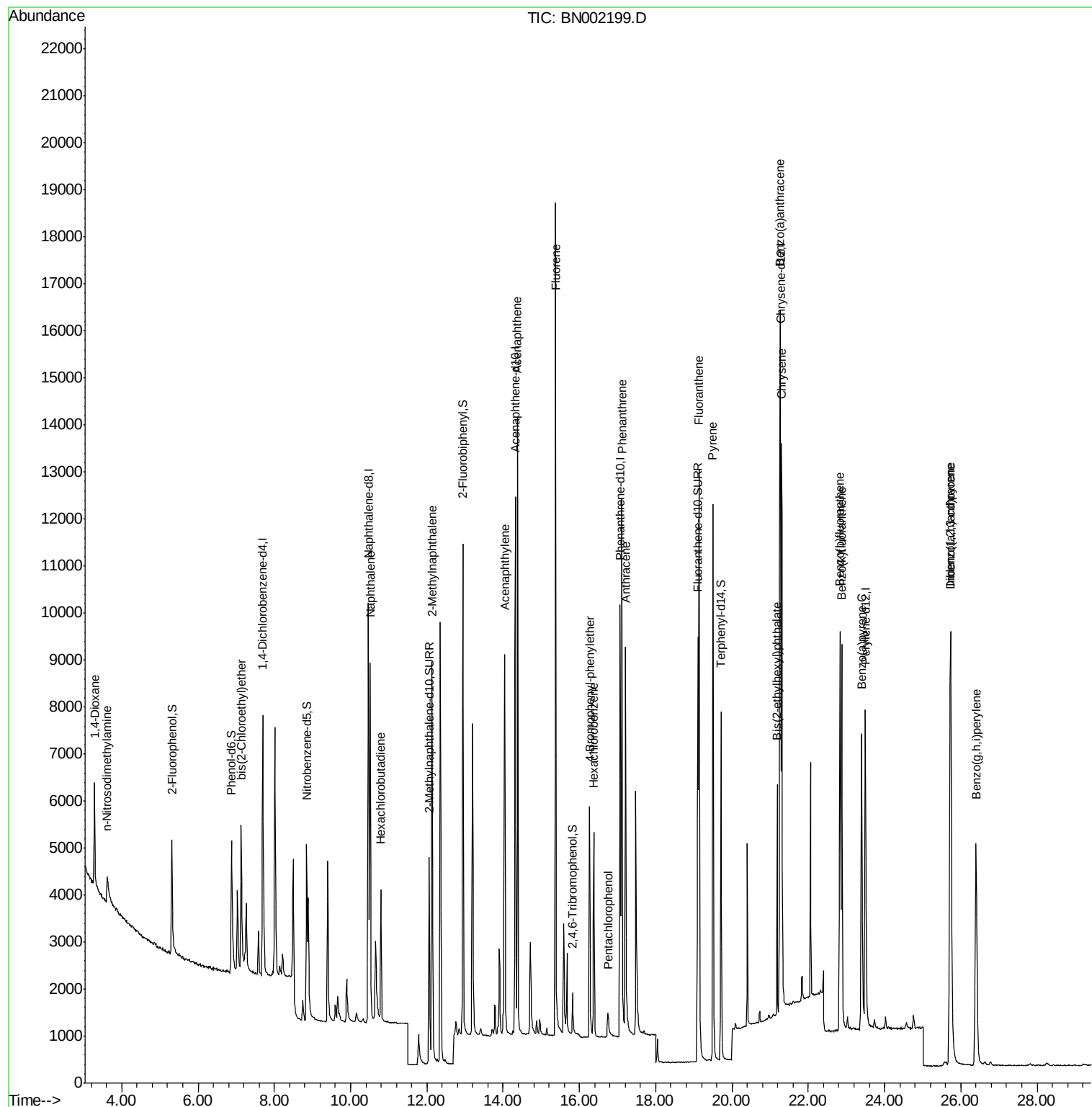
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.29	88	1300	0.372	ng	98
3) n-Nitrosodimethylamine	3.62	42	719	0.340	ng	# 86
6) bis(2-Chloroethyl)ether	7.13	93	3147	0.372	ng	91
9) Naphthalene	10.52	128	11082	0.390	ng	96
10) Hexachlorobutadiene	10.80	225	2448	0.398	ng	# 55
12) 2-Methylnaphthalene	12.14	142	7294	0.379	ng	98
16) Acenaphthylene	14.04	152	10727	0.375	ng	100
17) Acenaphthene	14.38	154	7160	0.389	ng	97
18) Fluorene	15.37	166	8405	0.372	ng	# 80
20) 4-Bromophenyl-phenylether	16.27	248	2975	0.390	ng	# 78
21) Hexachlorobenzene	16.38	284	3445	0.409	ng	95
22) Pentachlorophenol	16.75	266	486	0.324	ng	87
23) Phenanthrene	17.11	178	12745	0.380	ng	99
24) Anthracene	17.21	178	9947	0.359	ng	96
26) Fluoranthene	19.14	202	12645	0.347	ng	# 97
28) Pyrene	19.50	202	12718	0.400	ng	100
30) Benzo(a)anthracene	21.26	228	10033	0.371	ng	95
31) Chrysene	21.30	228	11884	0.393	ng	99
32) Bis(2-ethylhexyl)phthalate	21.18	149	4199	0.340	ng	# 94
33) Indeno(1,2,3-cd)pyrene	25.72	276	12736	0.447	ng	# 93
35) Benzo(b)fluoranthene	22.83	252	11234	0.382	ng	# 92
36) Benzo(k)fluoranthene	22.87	252	11586	0.380	ng	# 93
37) Benzo(a)pyrene	23.40	252	10475	0.393	ng	# 92
38) Dibenzo(a,h)anthracene	25.74	278	10466	0.404	ng	95
39) Benzo(g,h,i)perylene	26.40	276	10809	0.408	ng	# 90

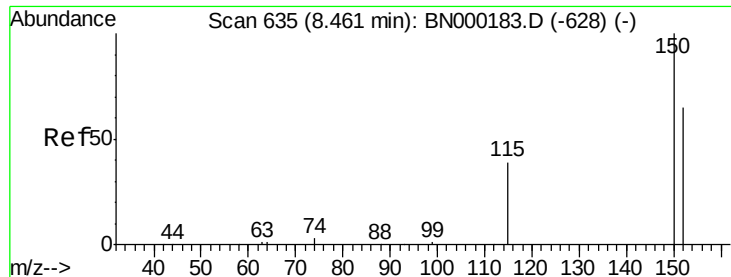
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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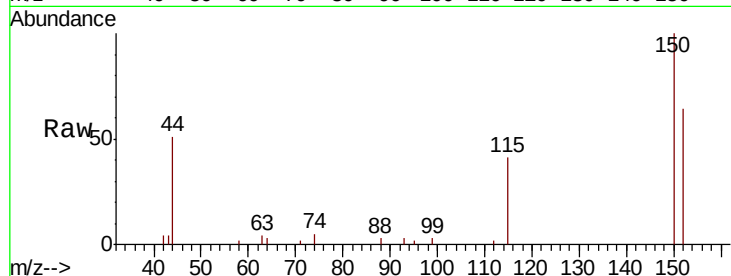


#1

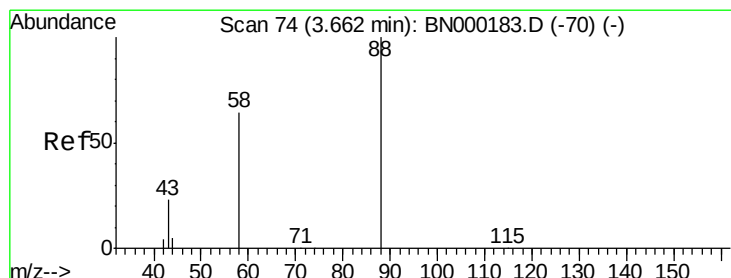
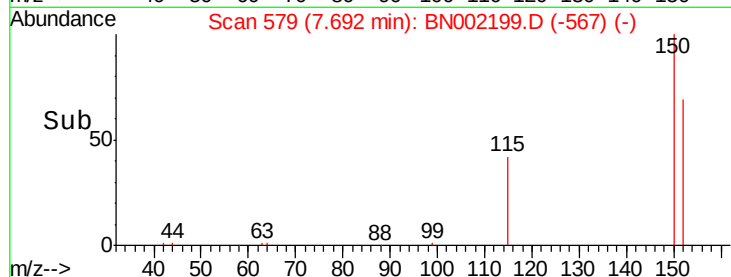
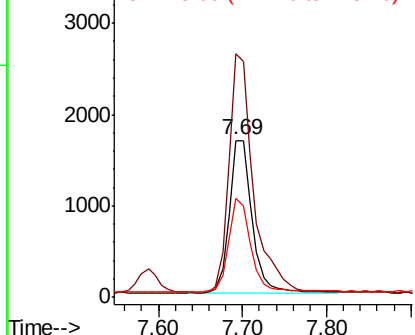
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 579
Delta R.T. -0.00 min
Lab File: BN002199.D
Acq: 30 Jul 2018 23:07

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 3102
Ion Ratio Lower Upper
152 100
150 155.4 117.2 175.8
115 63.1 57.0 85.6



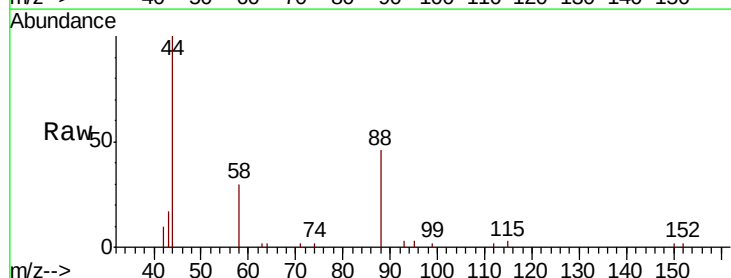
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



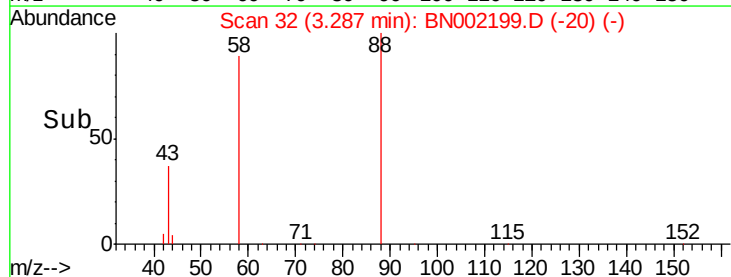
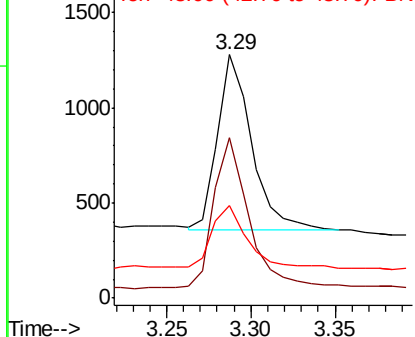
#2

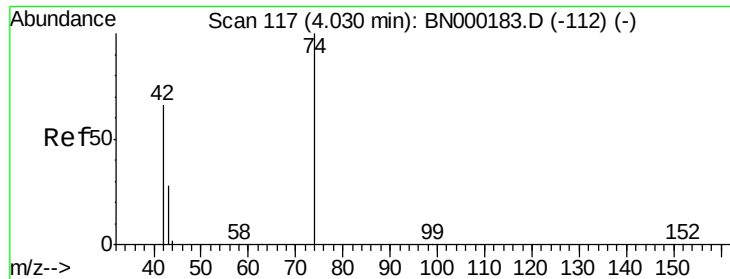
1,4-Dioxane
Concen: 0.372 ng
RT: 3.29 min Scan# 32
Delta R.T. -0.00 min
Lab File: BN002199.D
Acq: 30 Jul 2018 23:07

Tgt Ion: 88 Resp: 1300
Ion Ratio Lower Upper
88 100
58 88.3 72.0 108.0
43 37.2 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



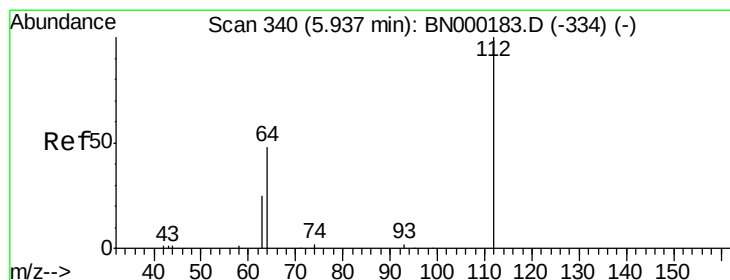
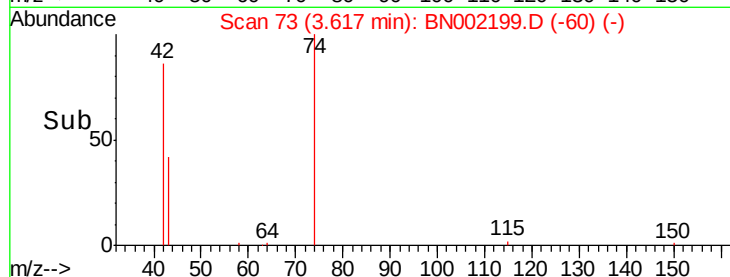
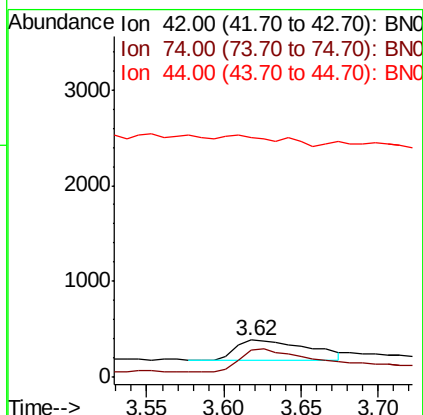
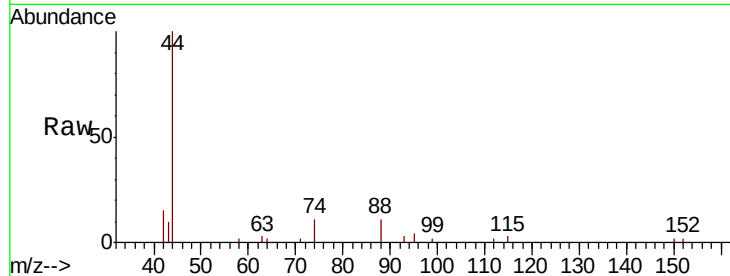


#3

n-Nitrosodimethylamine
 Concen: 0.340 ng
 RT: 3.62 min Scan# 73
 Delta R.T. 0.01 min
 Lab File: BN002199.D
 Acq: 30 Jul 2018 23:07

Instrument :
 BNA_N
 ClientSampleId :

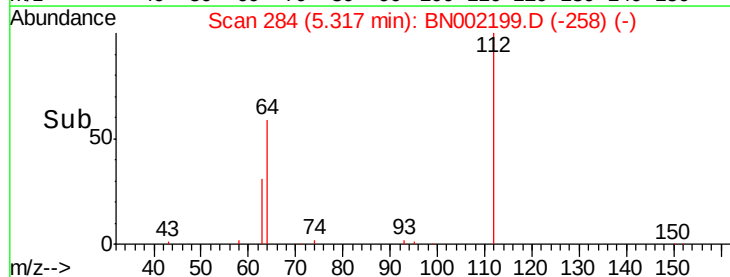
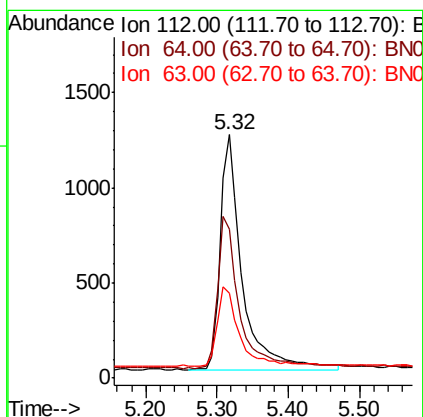
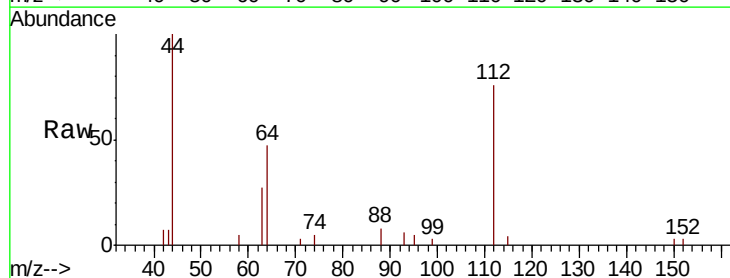
Tot Ion: 42 Resp: 719
 Ion Ratio Lower Upper
 42 100
 74 100.4 88.0 132.0
 44 0.0 16.0 24.0#

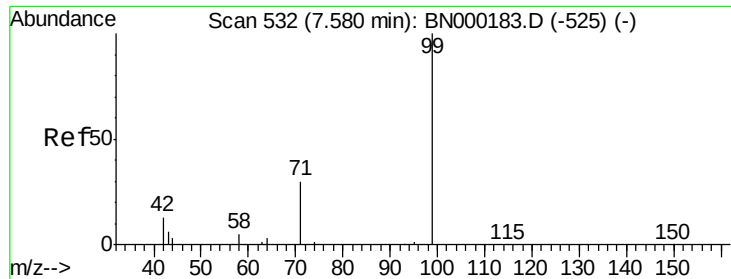


#4

2-Fluorophenol
 Concen: 0.362 ng
 RT: 5.32 min Scan# 284
 Delta R.T. 0.01 min
 Lab File: BN002199.D
 Acq: 30 Jul 2018 23:07

Tgt Ion: 112 Resp: 2621
 Ion Ratio Lower Upper
 112 100
 64 66.1 60.1 90.1
 63 35.1 116.8 175.2#





#5

Phenol-d6

Concen: 0.354 ng

RT: 6.88 min Scan# 478

Delta R.T. -0.00 min

Lab File: BN002199.D

Acq: 30 Jul 2018 23:07

Instrument :

BNA_N

ClientSampleId :

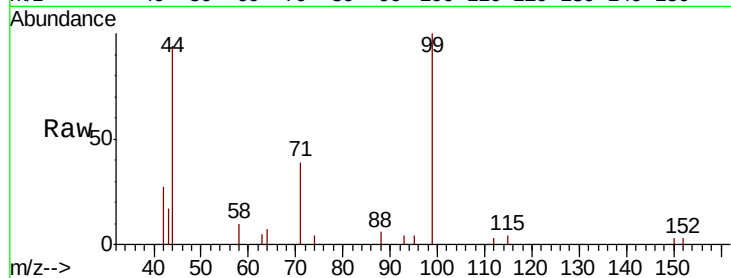
Tot Ion: 99 Resp: 3113

Ion Ratio Lower Upper

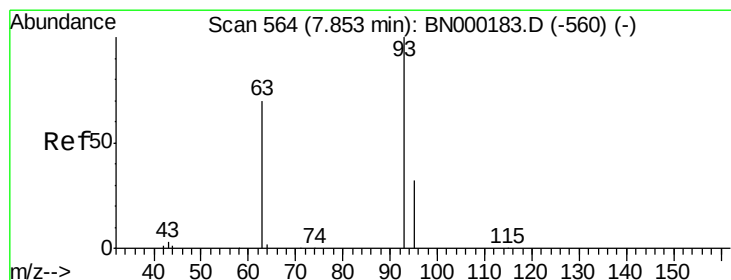
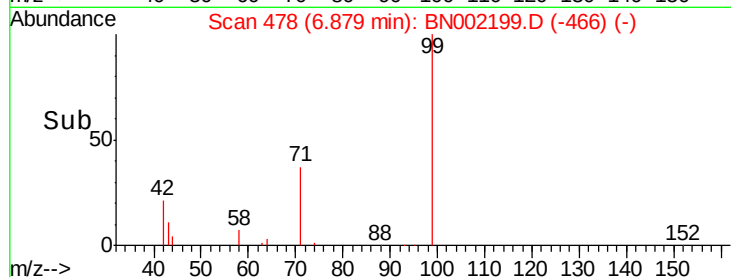
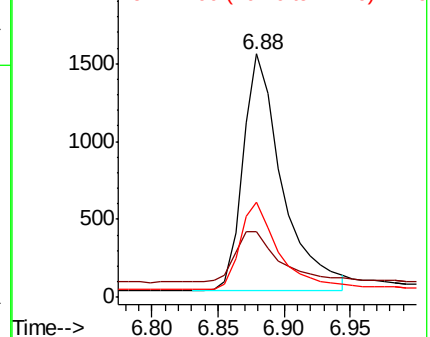
99 100

42 24.3 20.2 30.2

71 36.7 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BN0
Ion 42.00 (41.70 to 42.70): BN0
Ion 71.00 (70.70 to 71.70): BN0



#6

bis(2-Chloroethyl)ether

Concen: 0.372 ng

RT: 7.13 min Scan# 509

Delta R.T. -0.00 min

Lab File: BN002199.D

Acq: 30 Jul 2018 23:07

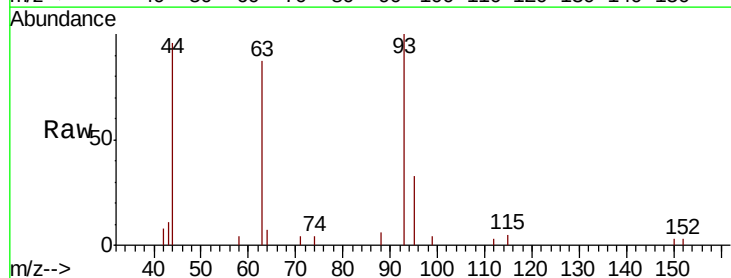
Tgt Ion: 93 Resp: 3147

Ion Ratio Lower Upper

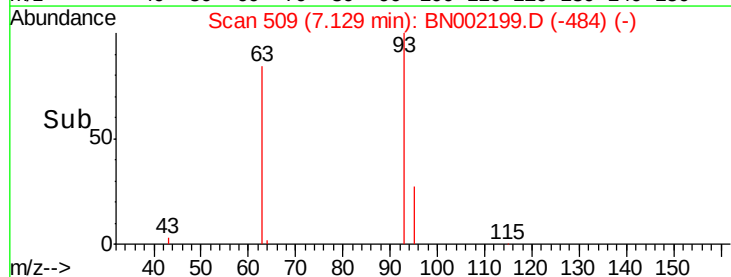
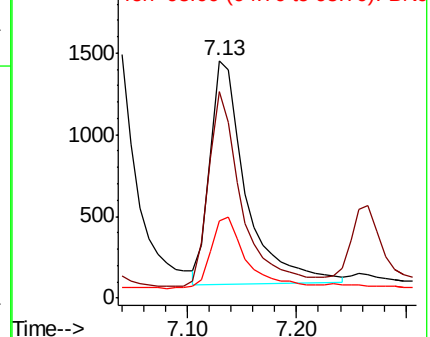
93 100

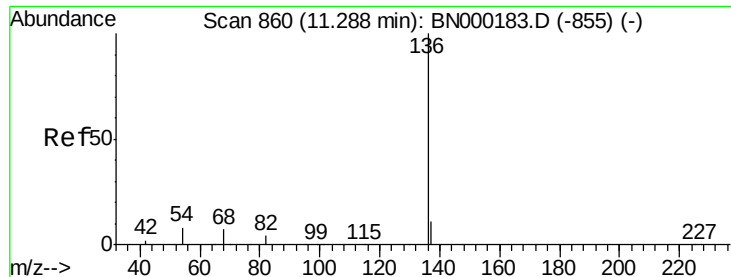
63 80.6 56.0 84.0

95 31.6 25.2 37.8



Abundance Ion 93.00 (92.70 to 93.70): BN0
Ion 63.00 (62.70 to 63.70): BN0
Ion 95.00 (94.70 to 95.70): BN0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.47 min Scan# 835

Delta R.T. -0.00 min

Lab File: BN002199.D

Acq: 30 Jul 2018 23:07

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 12617

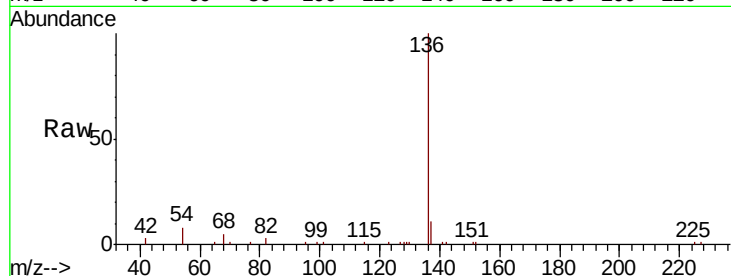
Ion Ratio Lower Upper

136 100

137 11.5 9.5 14.3

54 7.7 29.1 43.7#

68 5.3 6.2 9.2#

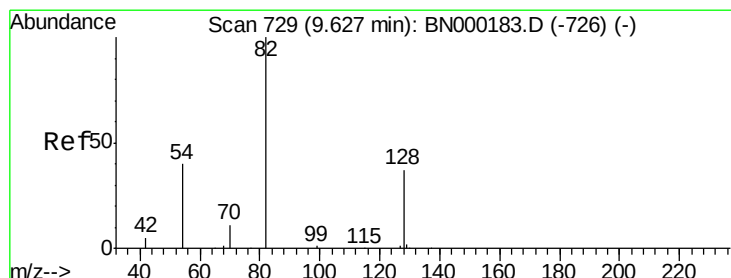
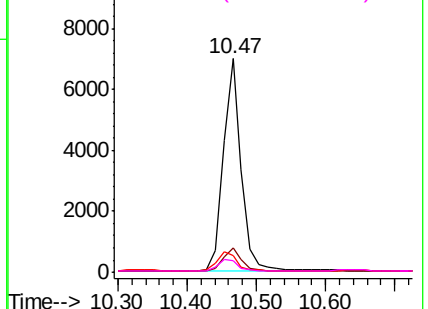
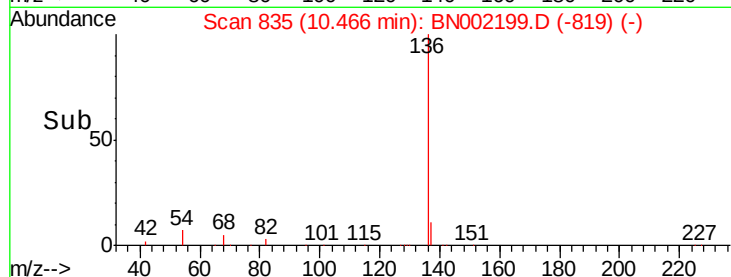


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.376 ng

RT: 8.84 min Scan# 707

Delta R.T. -0.00 min

Lab File: BN002199.D

Acq: 30 Jul 2018 23:07

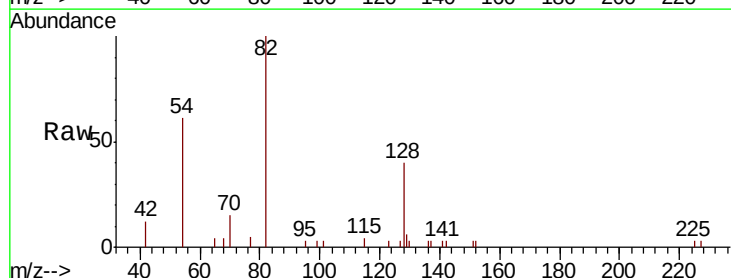
Tgt Ion: 82 Resp: 3572

Ion Ratio Lower Upper

82 100

128 40.1 150.0 225.0#

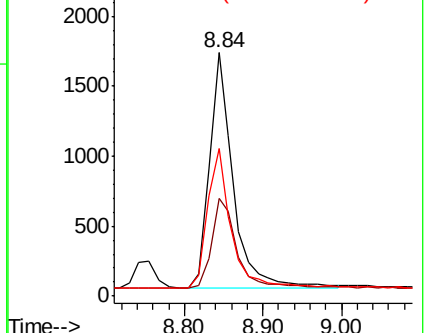
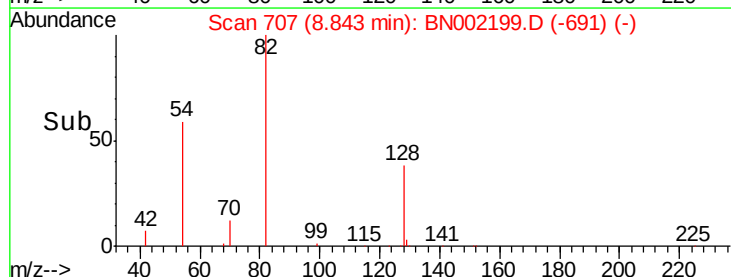
54 60.8 154.2 231.4#

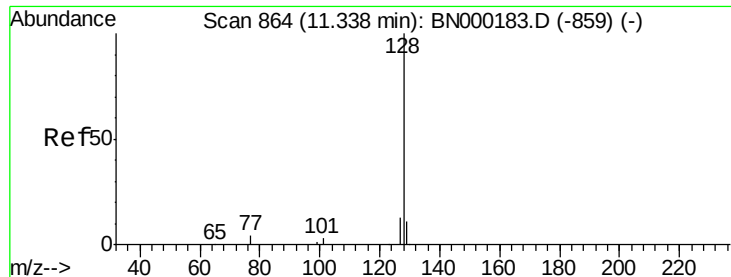


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.390 ng

RT: 10.52 min Scan# 839

Delta R.T. -0.00 min

Lab File: BN002199.D

Acq: 30 Jul 2018 23:07

Instrument :

BNA_N

ClientSampleId :

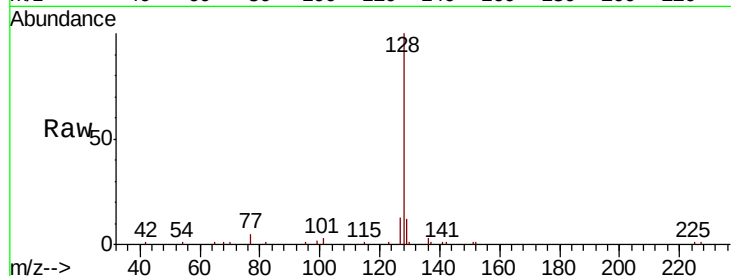
Tot Ion:128 Resp: 11082

Ion Ratio Lower Upper

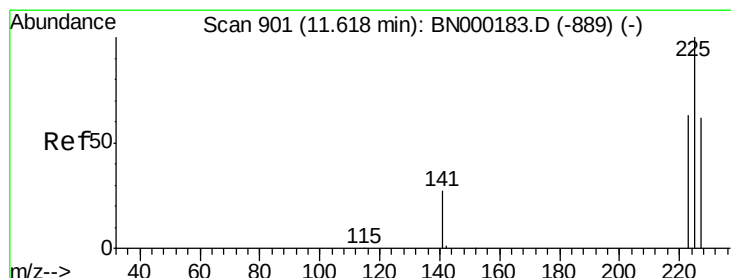
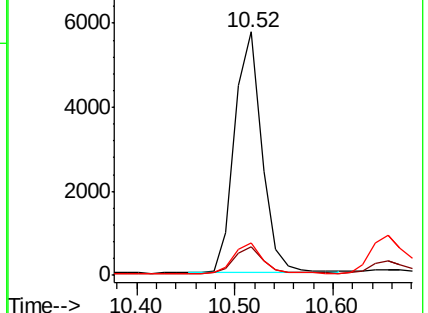
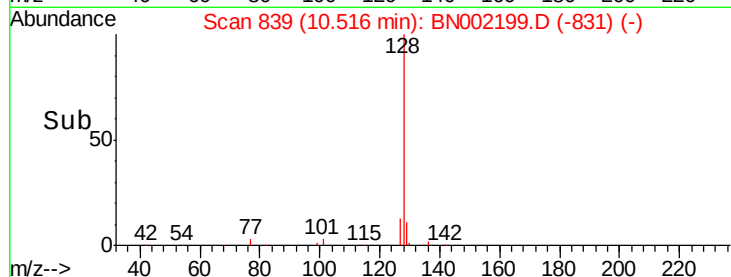
128 100

129 11.8 8.0 12.0

127 13.5 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: 0.398 ng

RT: 10.80 min Scan# 861

Delta R.T. -0.00 min

Lab File: BN002199.D

Acq: 30 Jul 2018 23:07

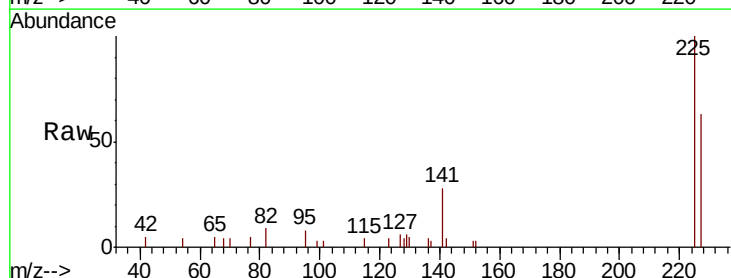
Tgt Ion:225 Resp: 2448

Ion Ratio Lower Upper

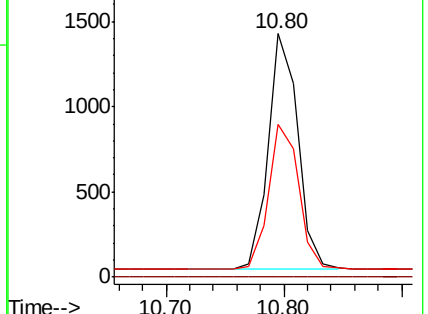
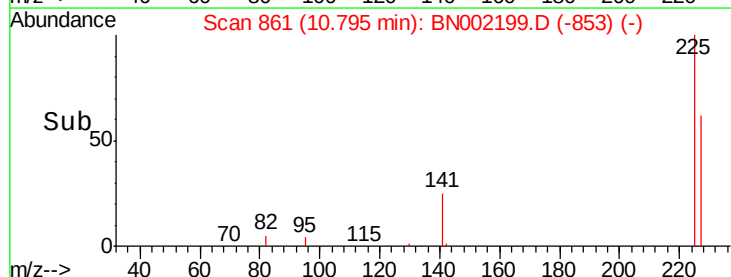
225 100

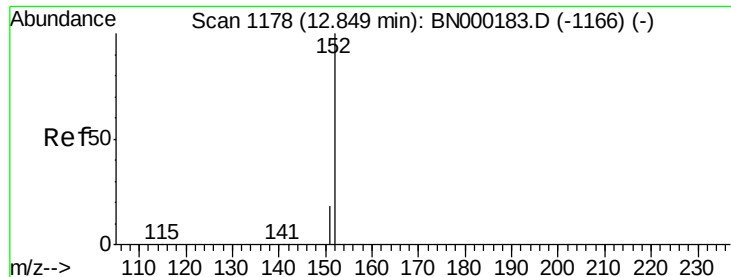
223 0.0 52.0 78.0#

227 63.1 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

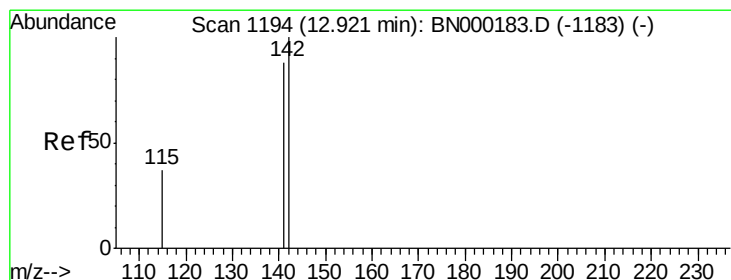
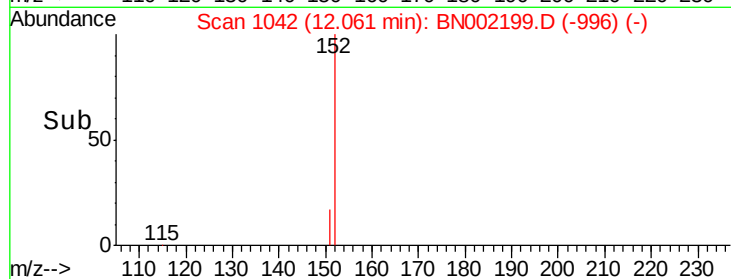
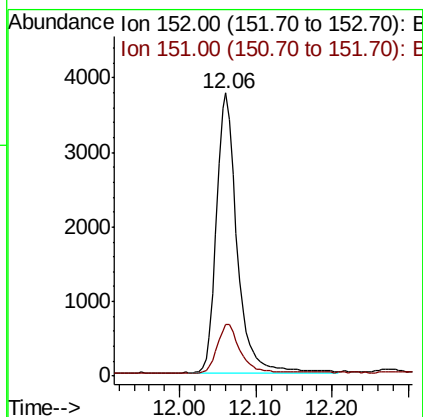
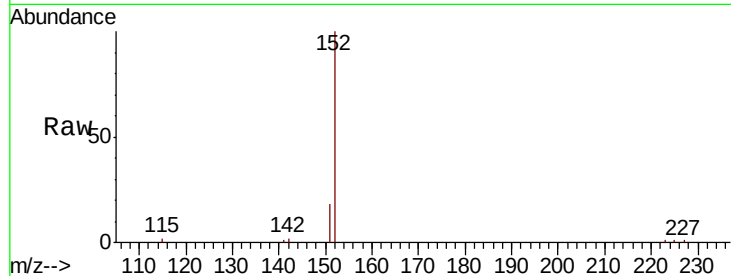




#11
2-Methylnaphthalene-d10
Concen: 0.377 ng
RT: 12.06 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BN002199.D
Acq: 30 Jul 2018 23:07

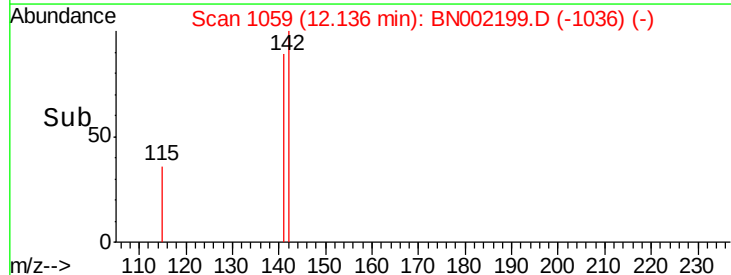
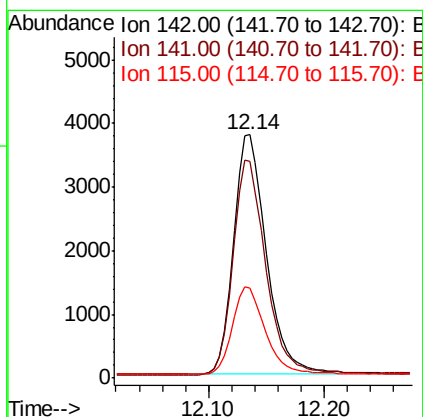
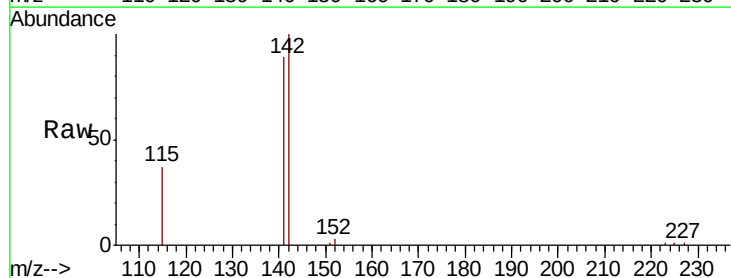
Instrument :
BNA_N
ClientSampleId :

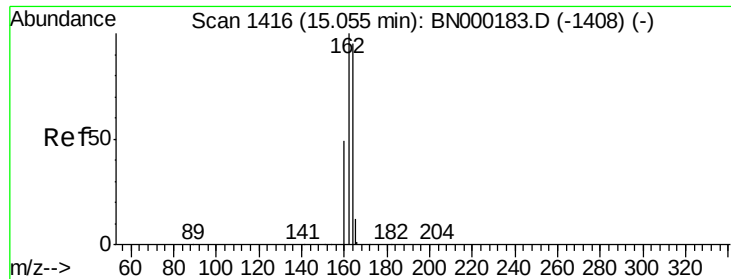
Tot Ion:152 Resp: 6998
Ion Ratio Lower Upper
152 100
151 18.7 15.4 23.0



#12
2-Methylnaphthalene
Concen: 0.379 ng
RT: 12.14 min Scan# 1059
Delta R.T. 0.00 min
Lab File: BN002199.D
Acq: 30 Jul 2018 23:07

Tgt Ion:142 Resp: 7294
Ion Ratio Lower Upper
142 100
141 88.9 70.4 105.6
115 37.0 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: BN002199.D

Acq: 30 Jul 2018 23:07

Instrument :

BNA_N

ClientSampleId :

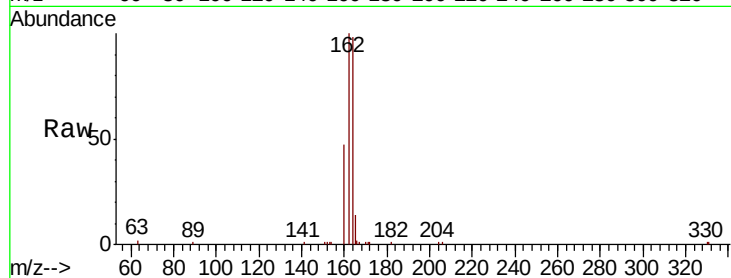
Tot Ion:164 Resp: 6691

Ion Ratio Lower Upper

164 100

162 102.4 83.1 124.7

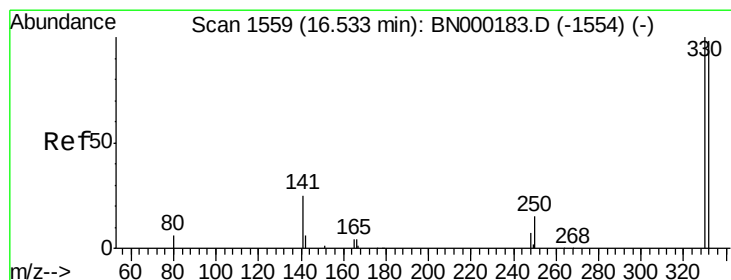
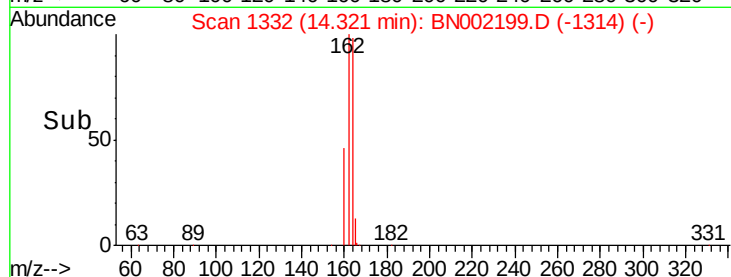
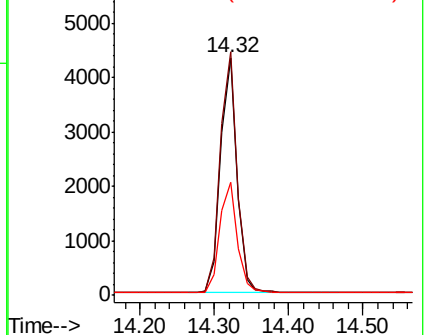
160 47.6 37.1 55.7



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: 0.325 ng

RT: 15.83 min Scan# 1467

Delta R.T. -0.00 min

Lab File: BN002199.D

Acq: 30 Jul 2018 23:07

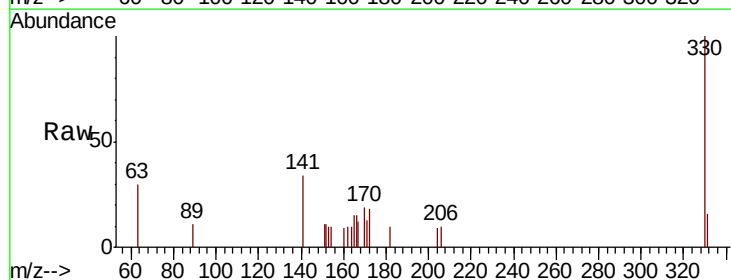
Tgt Ion:330 Resp: 930

Ion Ratio Lower Upper

330 100

332 0.0 152.7 229.1#

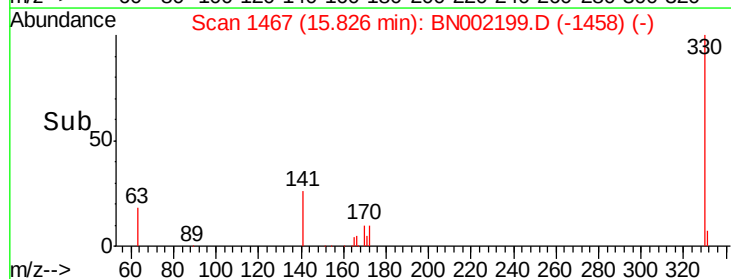
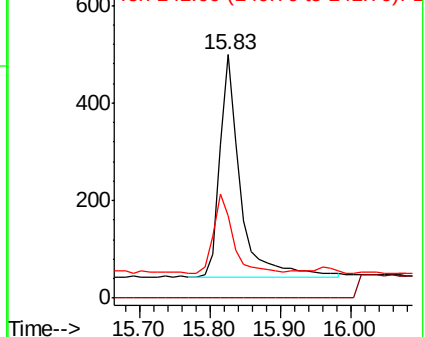
141 34.3 33.7 50.5

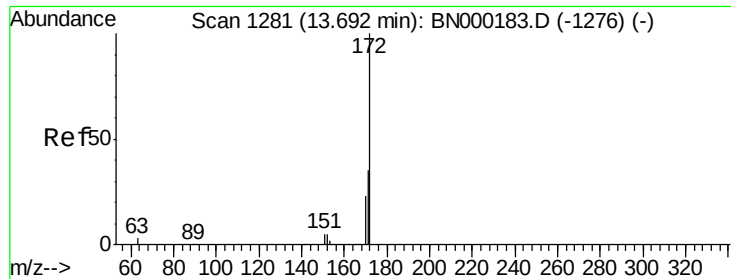


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

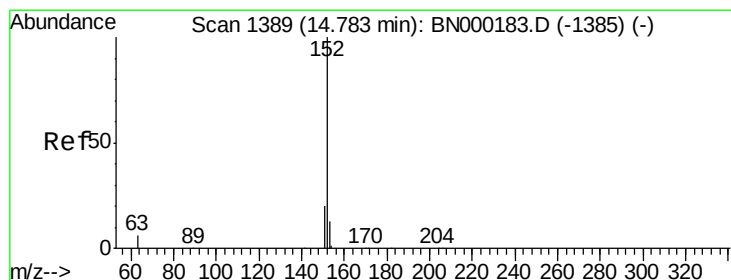
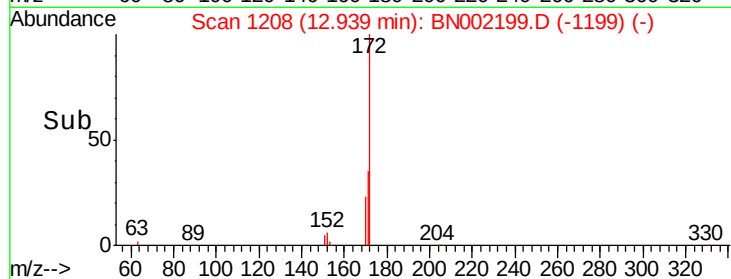
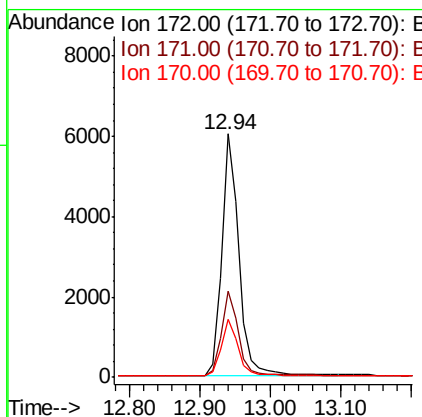
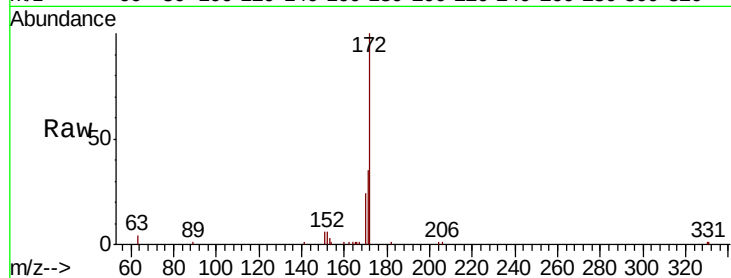




#15
2-Fluorobiphenyl
Concen: 0.400 ng
RT: 12.94 min Scan# 1208
Delta R.T. -0.00 min
Lab File: BN002199.D
Acq: 30 Jul 2018 23:07

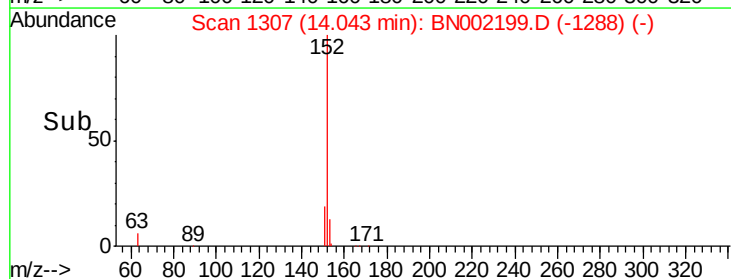
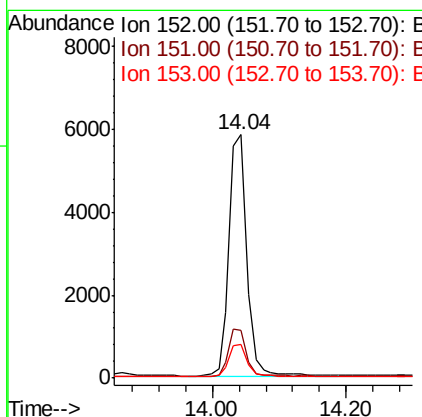
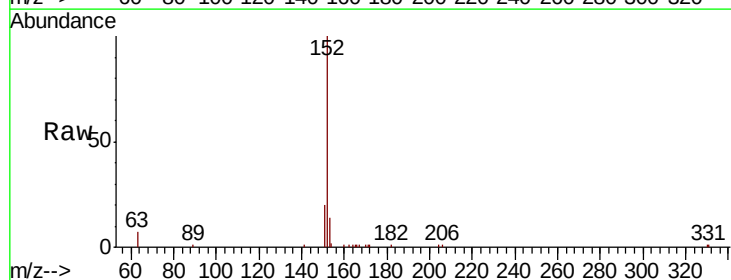
Instrument :
BNA_N
ClientSampleId :

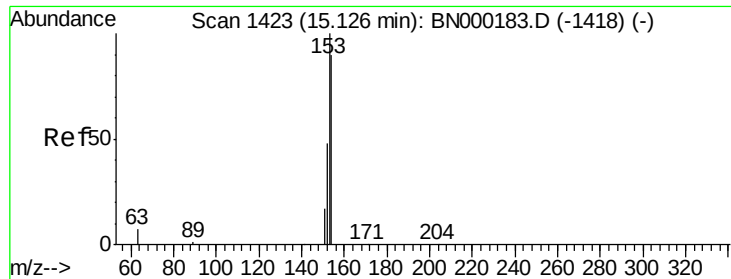
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.9	44.9
170	23.7	21.8	32.8



#16
Acenaphthylene
Concen: 0.375 ng
RT: 14.04 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BN002199.D
Acq: 30 Jul 2018 23:07

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.7	23.5
153	13.1	10.5	15.7





#17

Acenaphthene

Concen: 0.389 ng

RT: 14.38 min Scan# 1337

Delta R.T. -0.00 min

Lab File: BN002199.D

Acq: 30 Jul 2018 23:07

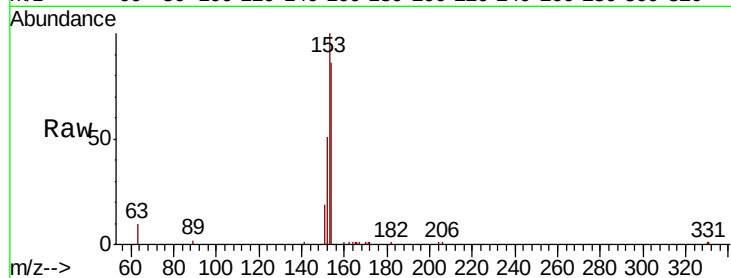
Instrument :

BNA_N

ClientSampleId :

Tot Ion:154 Resp: 7160

Ion	Ratio	Lower	Upper
154	100		
153	113.4	89.2	133.8
152	56.7	42.0	63.0

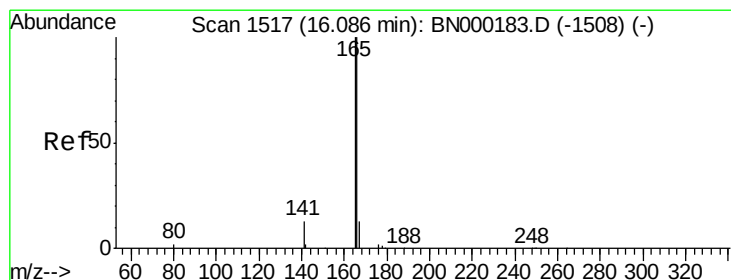
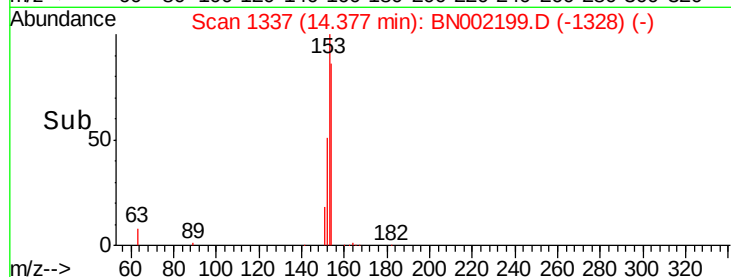
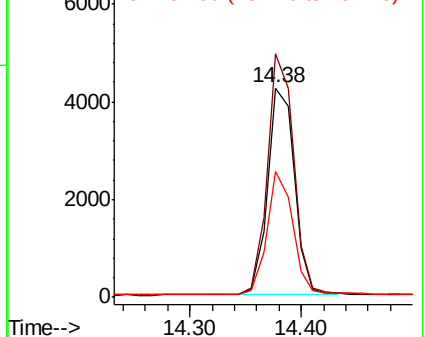


Abundance

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: 0.372 ng

RT: 15.37 min Scan# 1426

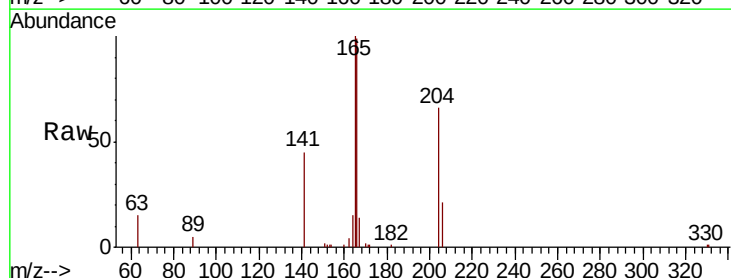
Delta R.T. -0.00 min

Lab File: BN002199.D

Acq: 30 Jul 2018 23:07

Tgt Ion:166 Resp: 8405

Ion	Ratio	Lower	Upper
166	100		
165	98.1	77.8	116.6
167	13.3	42.4	63.6#

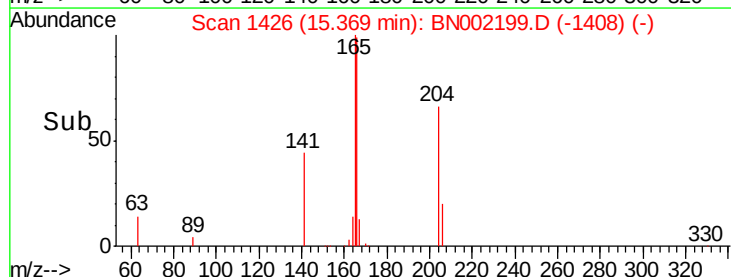
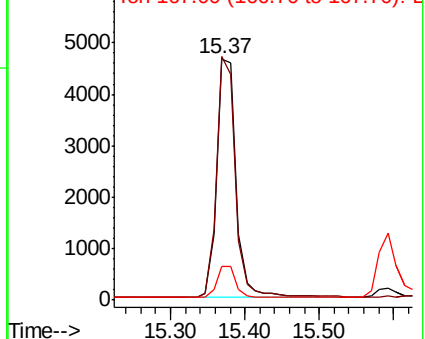


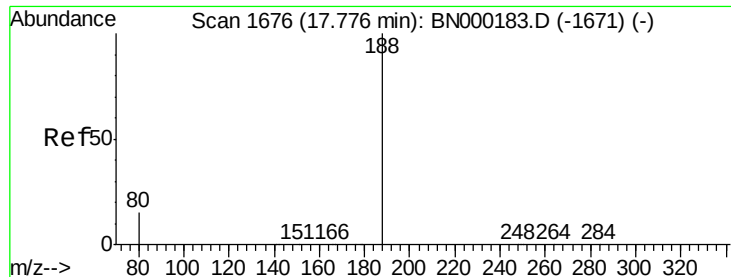
Abundance

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: 17.07 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BN002199.D

Acq: 30 Jul 2018 23:07

Instrument :

BNA_N

ClientSampled :

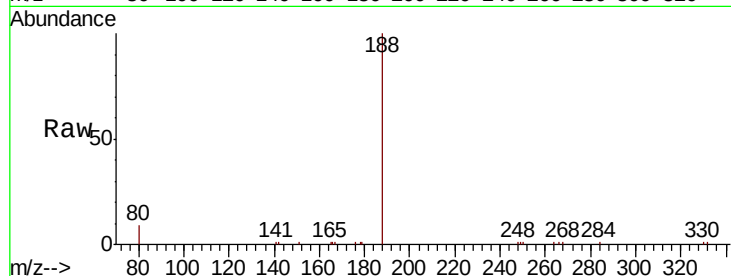
Tot Ion:188 Resp: 13465

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

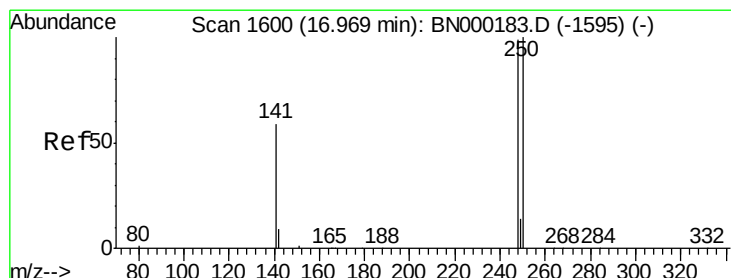
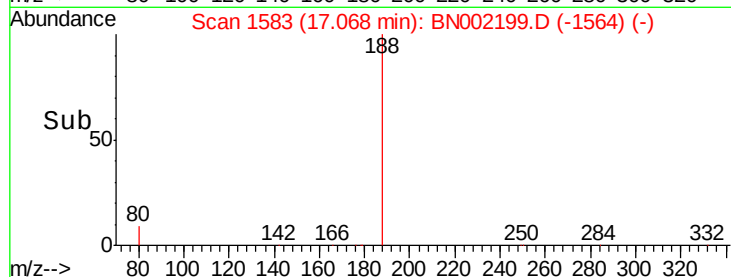
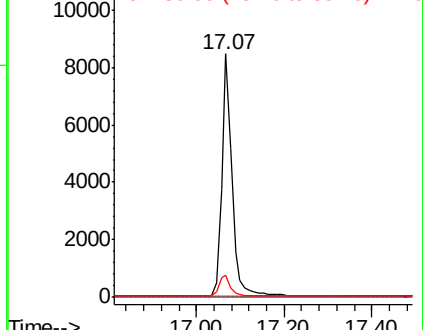
80 9.2 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.390 ng

RT: 16.27 min Scan# 1508

Delta R.T. 0.01 min

Lab File: BN002199.D

Acq: 30 Jul 2018 23:07

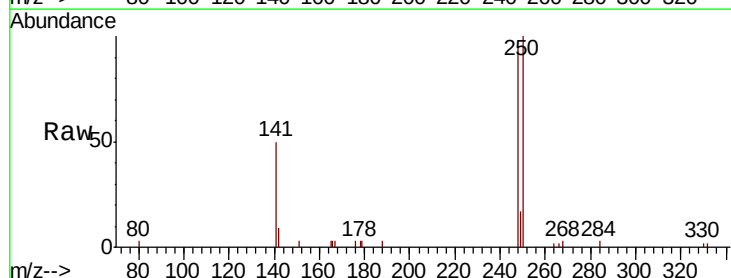
Tgt Ion:248 Resp: 2975

Ion Ratio Lower Upper

248 100

250 104.8 62.7 94.1#

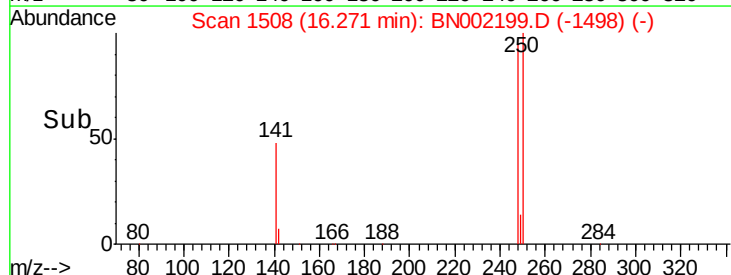
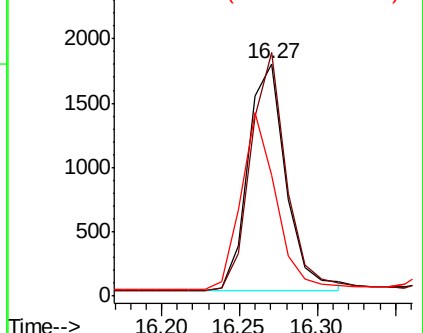
141 52.0 48.2 72.2

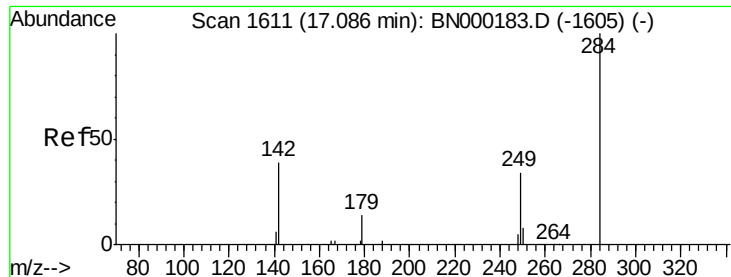


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.409 ng

RT: 16.38 min Scan# 1518

Delta R.T. -0.00 min

Lab File: BN002199.D

Acq: 30 Jul 2018 23:07

Instrument :

BNA_N

ClientSampleId :

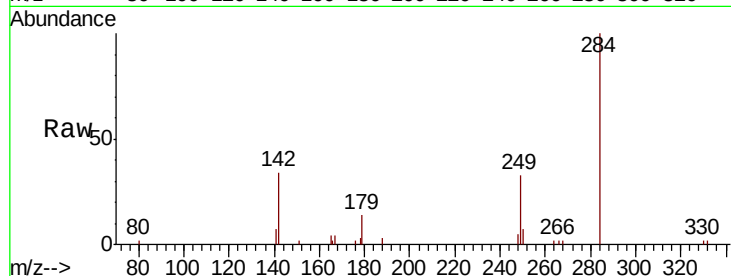
Tot Ion:284 Resp: 3445

Ion Ratio Lower Upper

284 100

142 35.9 32.0 48.0

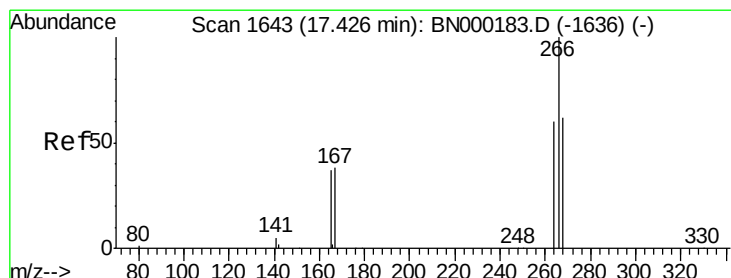
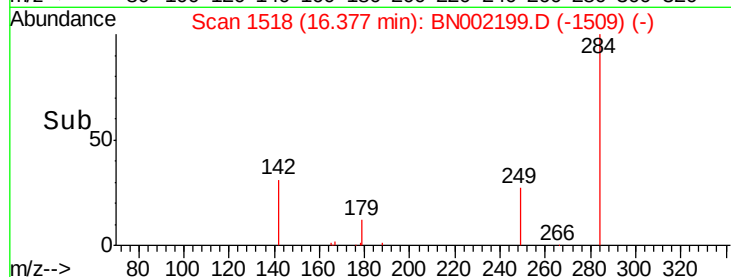
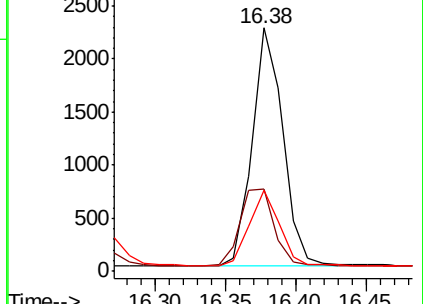
249 31.1 24.0 36.0



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: 0.324 ng

RT: 16.75 min Scan# 1553

Delta R.T. 0.01 min

Lab File: BN002199.D

Acq: 30 Jul 2018 23:07

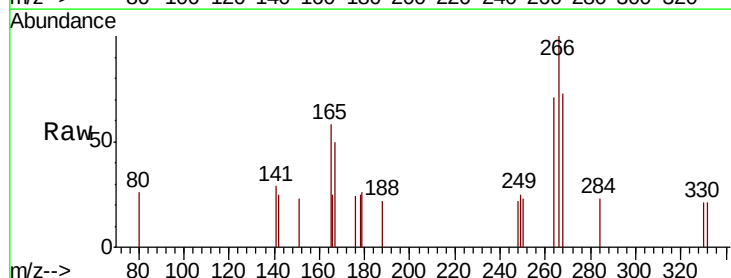
Tgt Ion:266 Resp: 486

Ion Ratio Lower Upper

266 100

264 71.5 48.0 72.0

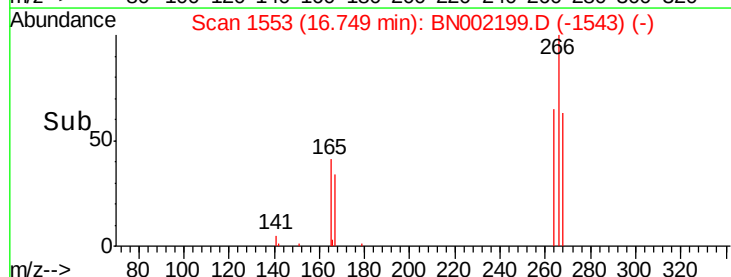
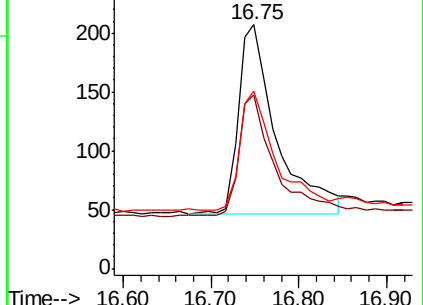
268 72.9 52.0 78.0

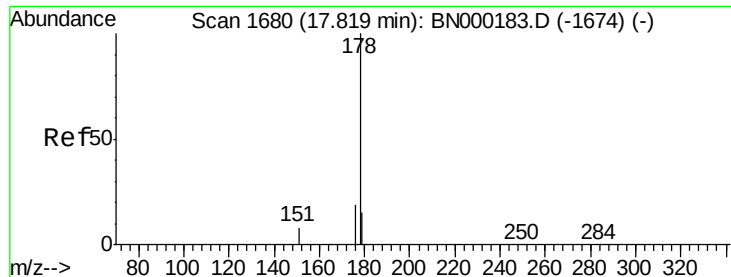


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.380 ng

RT: 17.11 min Scan# 1587

Delta R.T. -0.00 min

Lab File: BN002199.D

Acq: 30 Jul 2018 23:07

Instrument :

BNA_N

ClientSampleId :

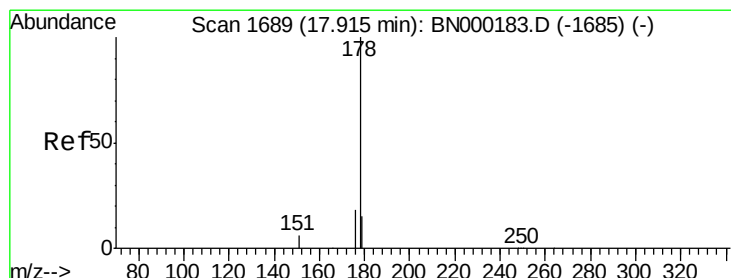
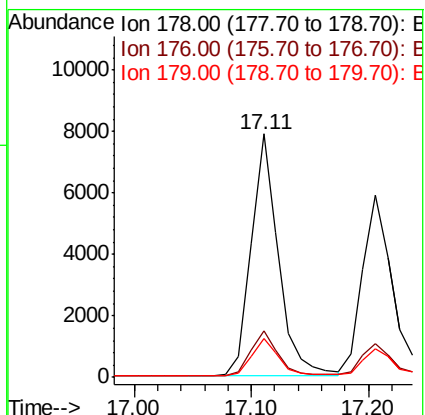
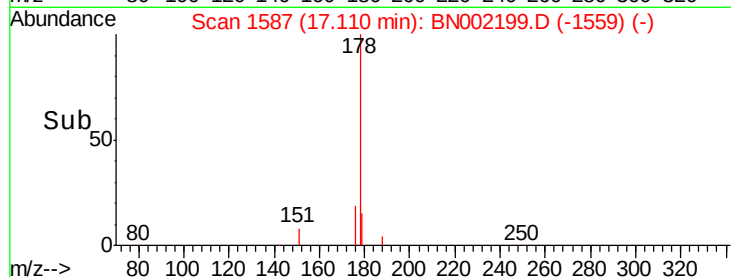
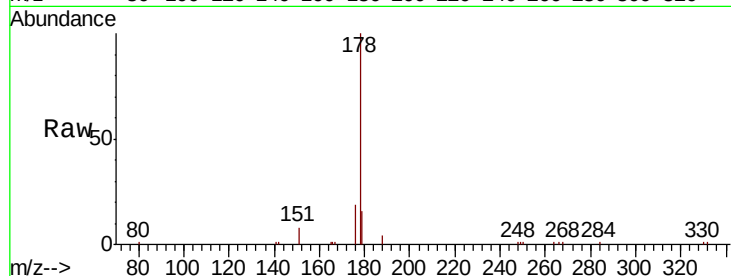
Tot Ion:178 Resp: 12745

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

179 15.5 11.8 17.6



#24

Anthracene

Concen: 0.359 ng

RT: 17.21 min Scan# 1596

Delta R.T. -0.00 min

Lab File: BN002199.D

Acq: 30 Jul 2018 23:07

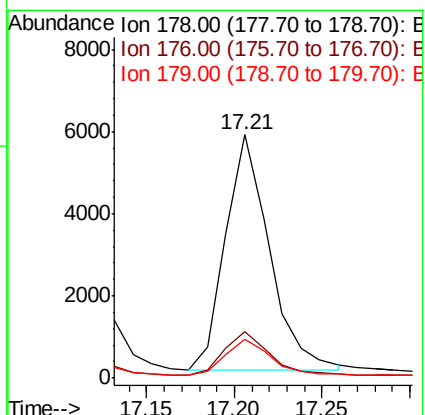
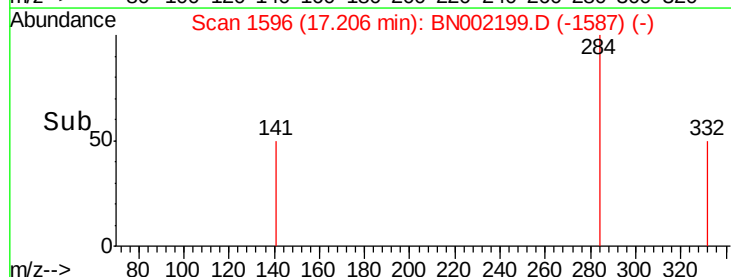
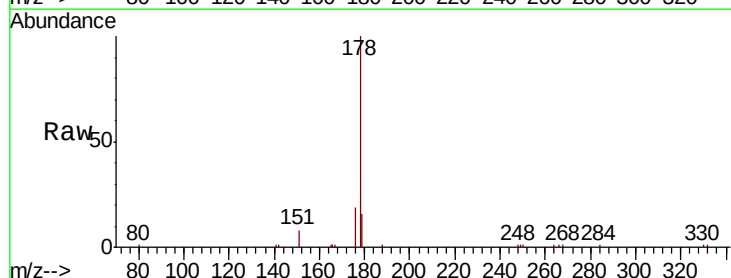
Tgt Ion:178 Resp: 9947

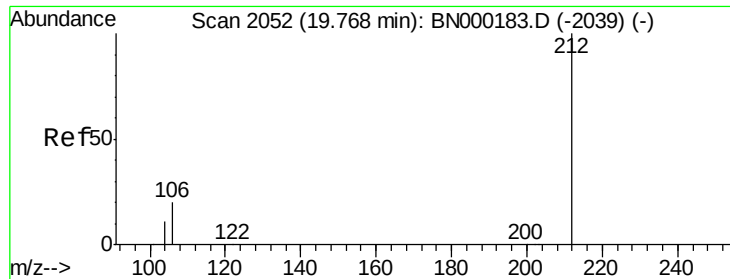
Ion Ratio Lower Upper

178 100

176 18.4 12.8 19.2

179 15.2 13.0 19.6





#25

Fluoranthene-d10

Concen: 0.350 ng

RT: 19.11 min Scan# 1892

Delta R.T. -0.00 min

Lab File: BN002199.D

Acq: 30 Jul 2018 23:07

Instrument :

BNA_N

ClientSampleId :

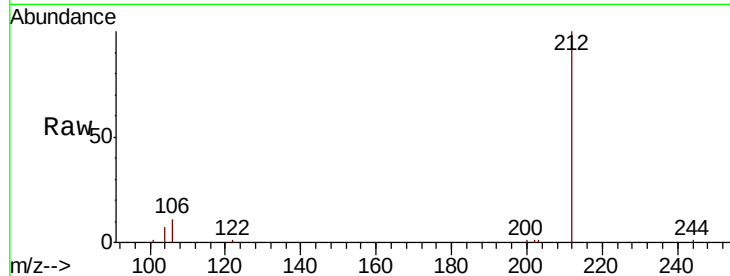
Tot Ion:212 Resp: 11632

Ion Ratio Lower Upper

212 100

106 11.3 2.8 4.2#

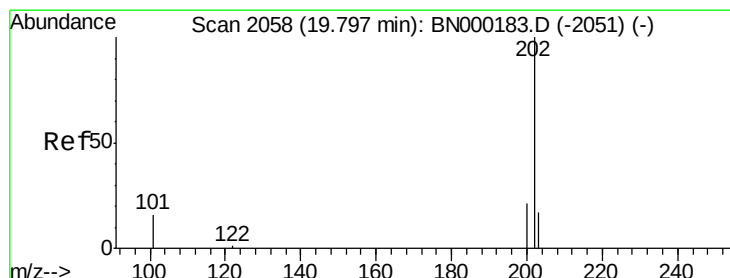
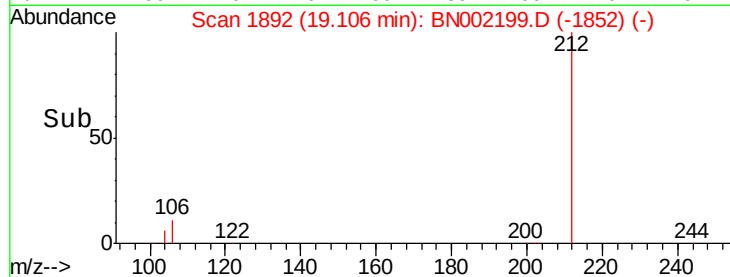
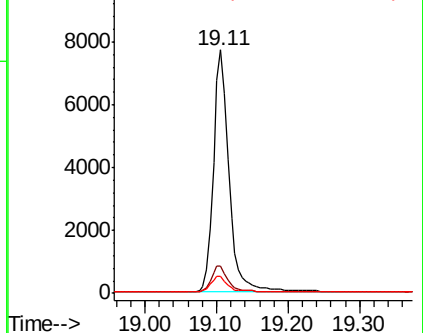
104 6.4 1.6 2.4#



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: 0.347 ng

RT: 19.14 min Scan# 1898

Delta R.T. -0.00 min

Lab File: BN002199.D

Acq: 30 Jul 2018 23:07

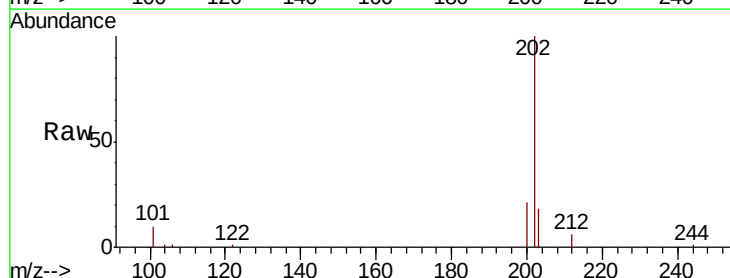
Tgt Ion:202 Resp: 12645

Ion Ratio Lower Upper

202 100

101 9.7 9.8 14.8#

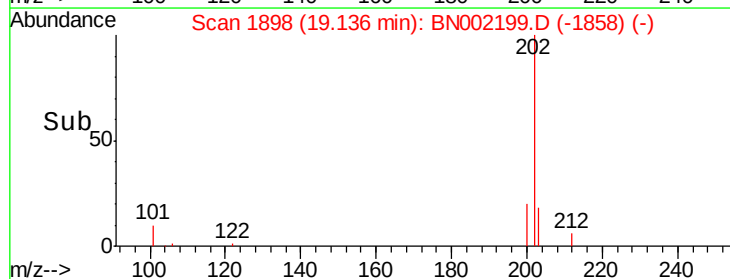
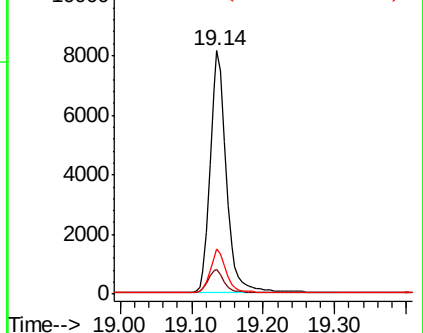
203 17.2 13.7 20.5

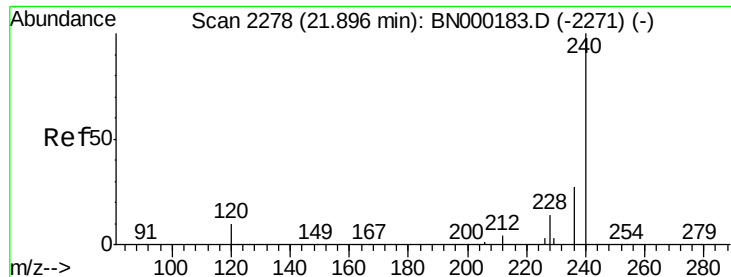


Abundance Ion 202.00 (201.70 to 202.70): E

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: BN002199.D

Acq: 30 Jul 2018 23:07

Instrument :

BNA_N

ClientSampleId :

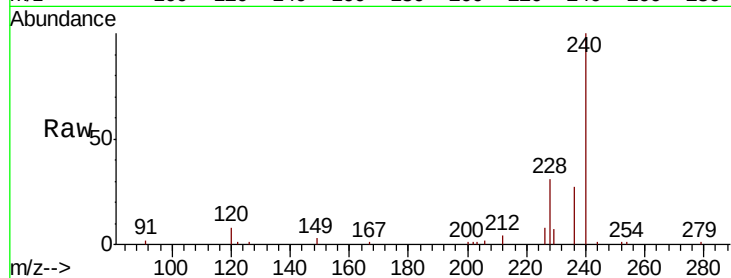
Tot Ion:240 Resp: 10743

Ion Ratio Lower Upper

240 100

120 8.0 5.5 8.3

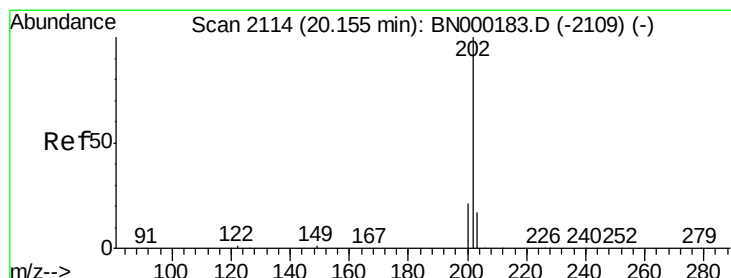
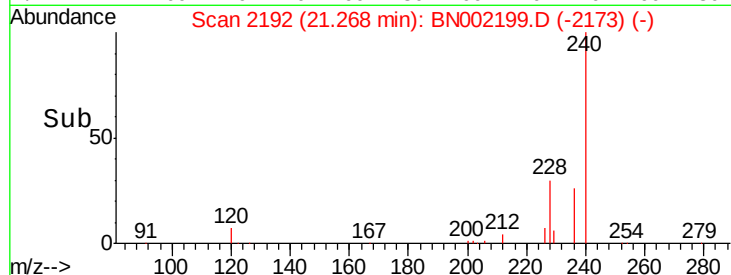
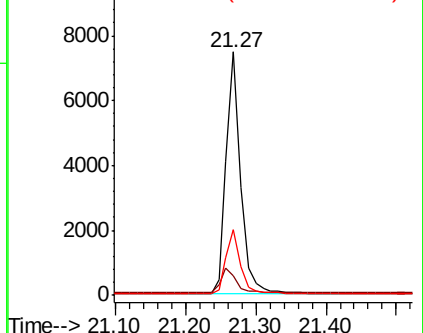
236 26.7 20.7 31.1



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: 0.400 ng

RT: 19.50 min Scan# 1971

Delta R.T. -0.00 min

Lab File: BN002199.D

Acq: 30 Jul 2018 23:07

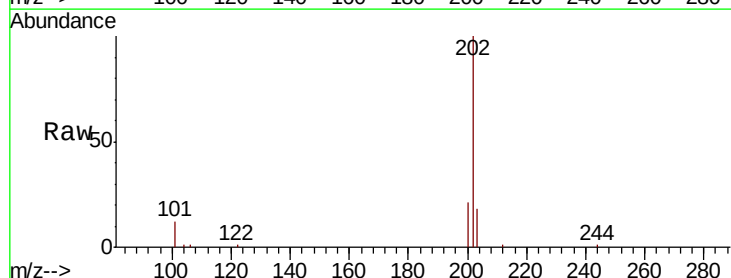
Tgt Ion:202 Resp: 12718

Ion Ratio Lower Upper

202 100

200 20.5 16.6 25.0

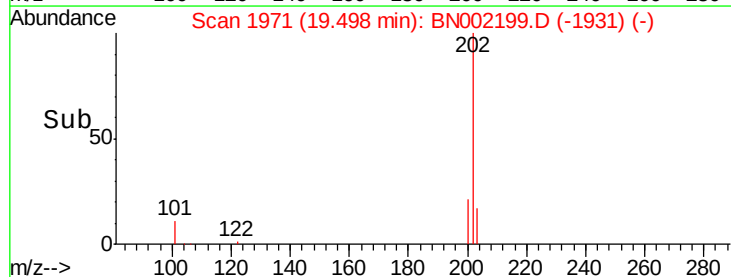
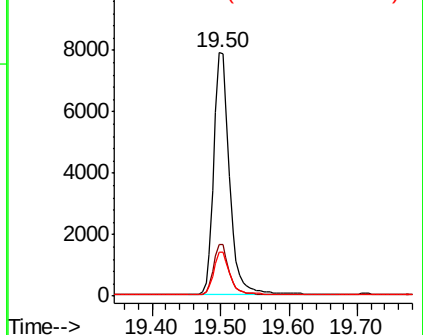
203 17.4 13.8 20.8

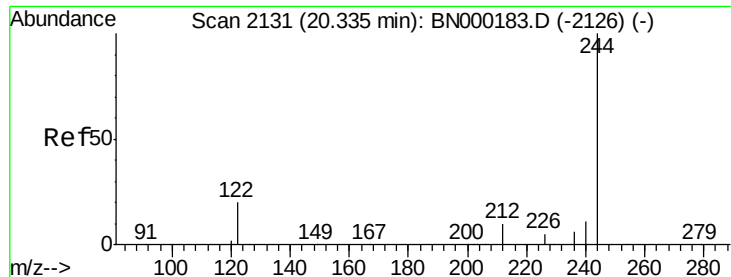


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.388 ng

RT: 19.71 min Scan# 2014

Delta R.T. -0.00 min

Lab File: BN002199.D

Acq: 30 Jul 2018 23:07

Instrument :

BNA_N

ClientSampleId :

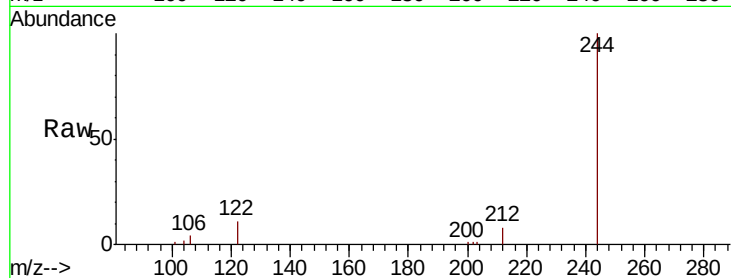
Tot Ion:244 Resp: 8896

Ion Ratio Lower Upper

244 100

212 8.3 25.4 38.0#

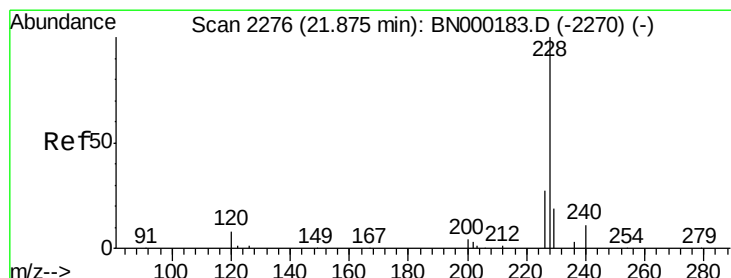
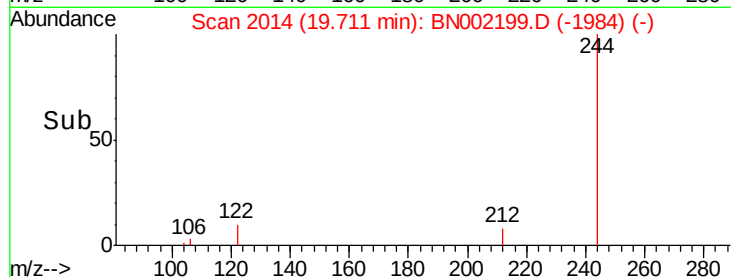
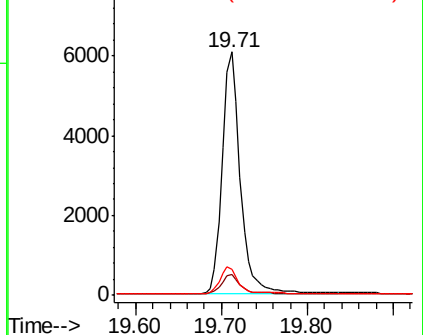
122 10.8 8.1 12.1



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: 0.371 ng

RT: 21.26 min Scan# 2191

Delta R.T. -0.00 min

Lab File: BN002199.D

Acq: 30 Jul 2018 23:07

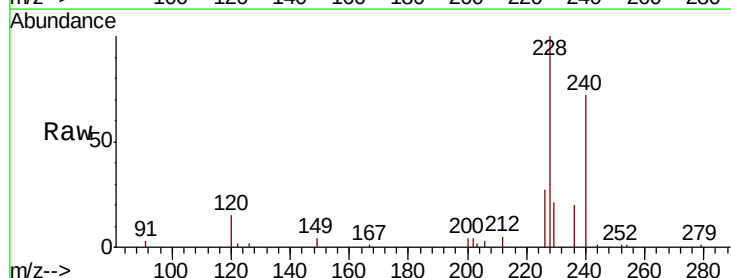
Tgt Ion:228 Resp: 10033

Ion Ratio Lower Upper

228 100

226 26.5 24.0 36.0

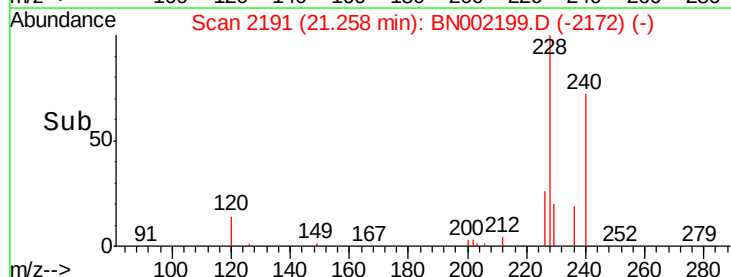
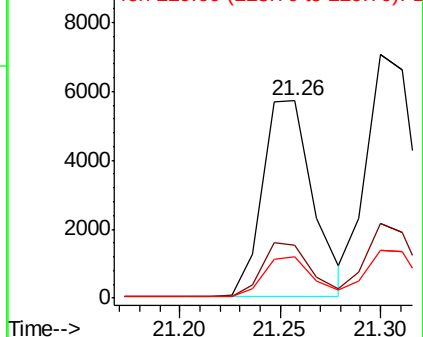
229 21.0 16.0 24.0

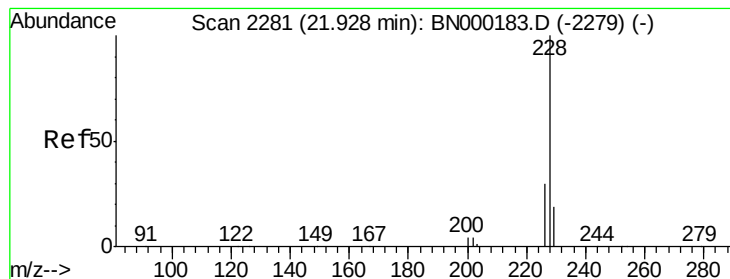


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.393 ng

RT: 21.30 min Scan# 2195

Delta R.T. -0.00 min

Lab File: BN002199.D

Acq: 30 Jul 2018 23:07

Instrument :

BNA_N

ClientSampleId :

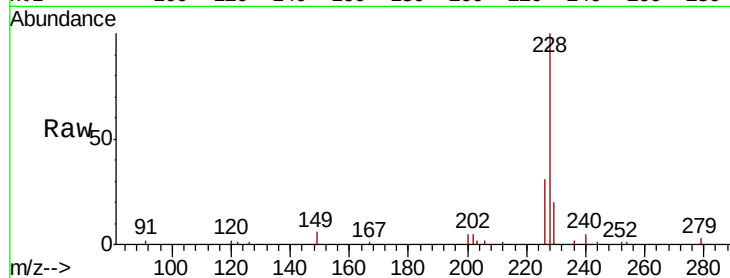
Tot Ion:228 Resp: 11884

Ion Ratio Lower Upper

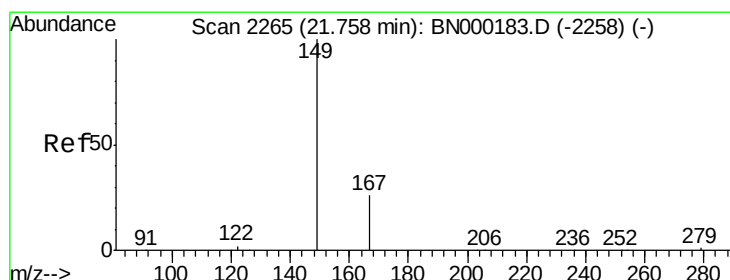
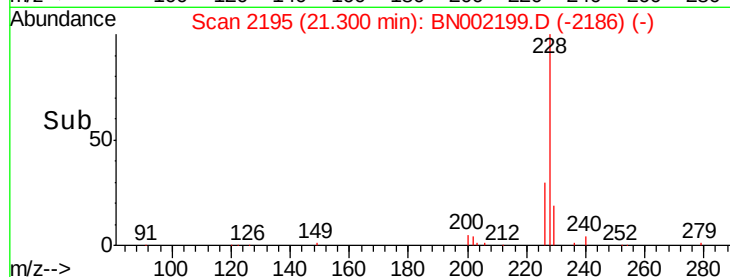
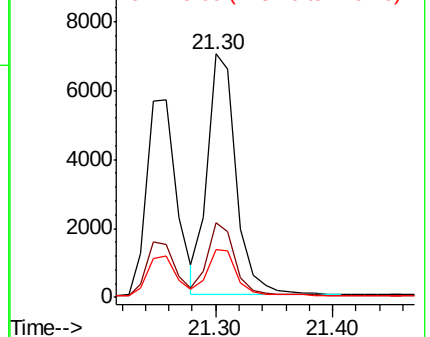
228 100

226 30.8 24.0 36.0

229 19.8 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: 0.340 ng

RT: 21.18 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BN002199.D

Acq: 30 Jul 2018 23:07

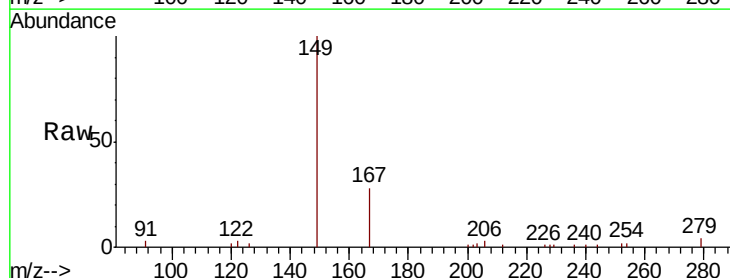
Tgt Ion:149 Resp: 4199

Ion Ratio Lower Upper

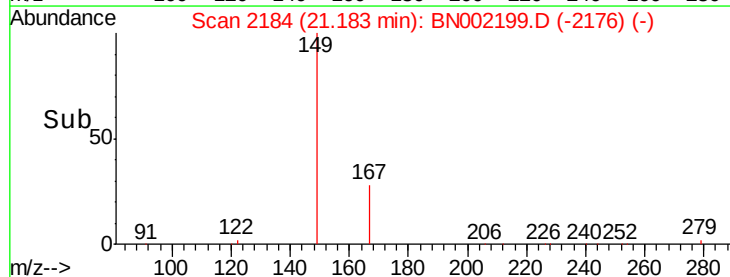
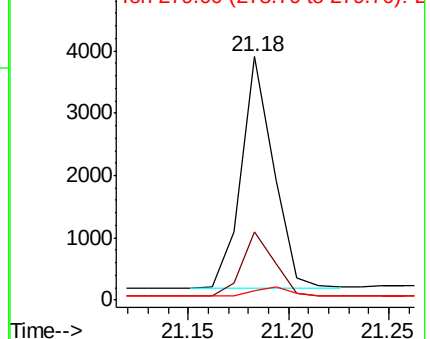
149 100

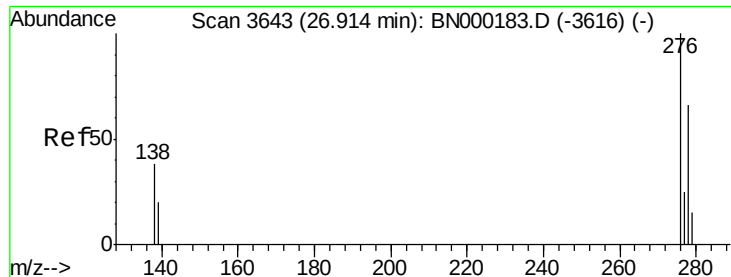
167 27.9 20.0 30.0

279 4.4 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

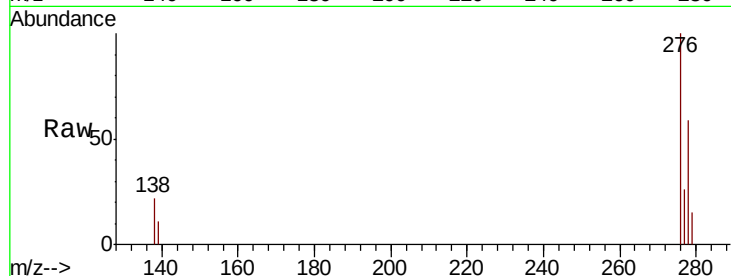




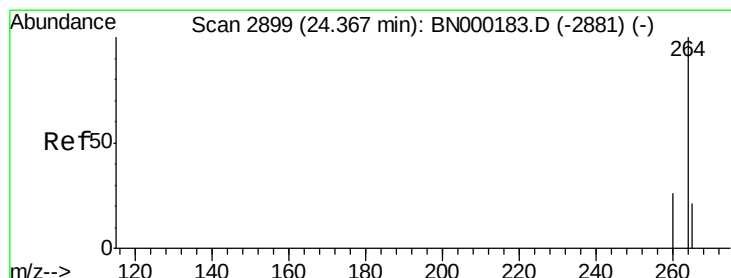
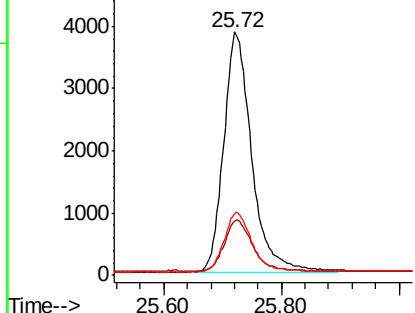
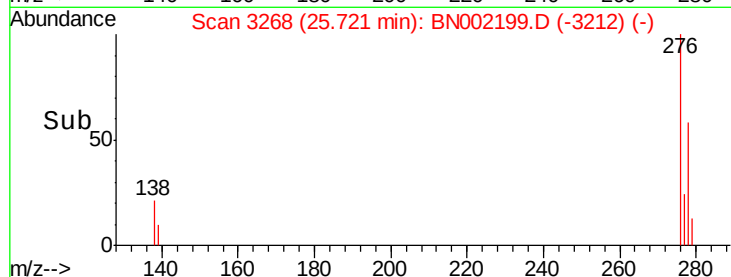
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.447 ng
 RT: 25.72 min Scan# 3268
 Delta R.T. -0.01 min
 Lab File: BN002199.D
 Acq: 30 Jul 2018 23:07

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:276 Resp: 12736
 Ion Ratio Lower Upper
 276 100
 138 21.8 22.5 33.7#
 277 24.6 19.9 29.9

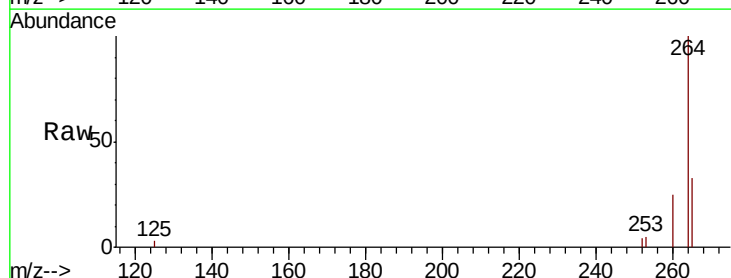


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

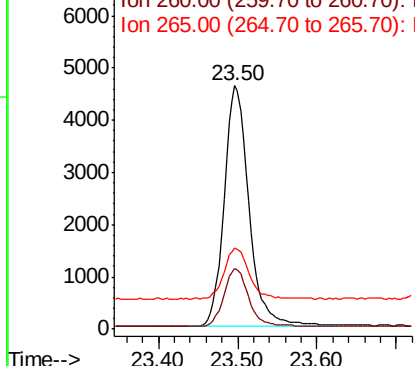
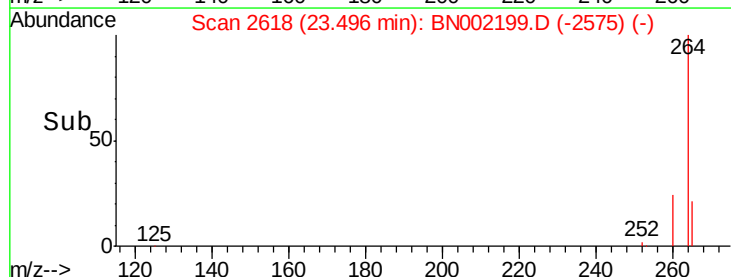


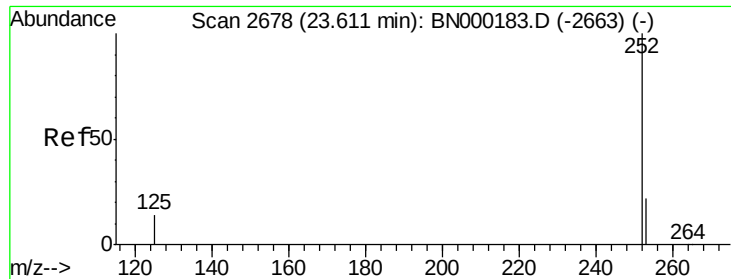
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.50 min Scan# 2618
 Delta R.T. -0.00 min
 Lab File: BN002199.D
 Acq: 30 Jul 2018 23:07

Tgt Ion:264 Resp: 9998
 Ion Ratio Lower Upper
 264 100
 260 25.0 20.5 30.7
 265 33.1 22.8 34.2



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

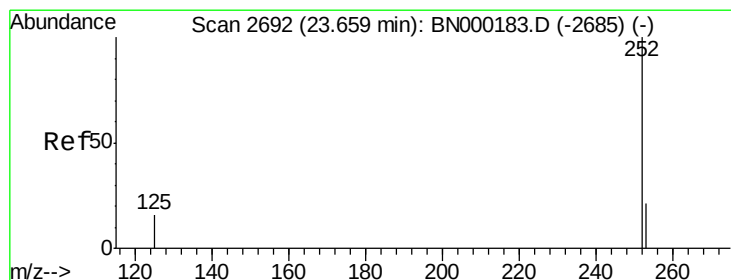
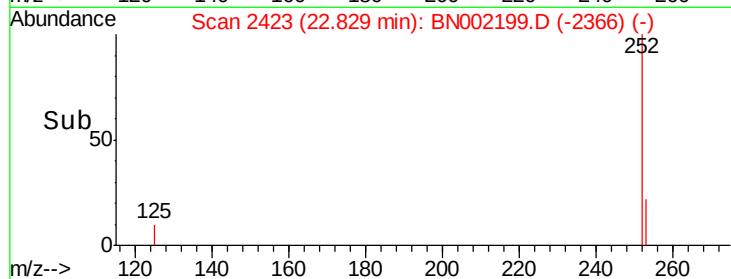
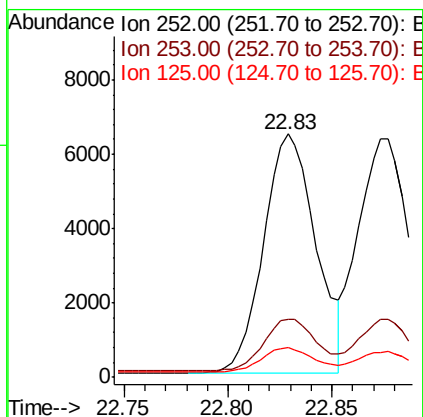
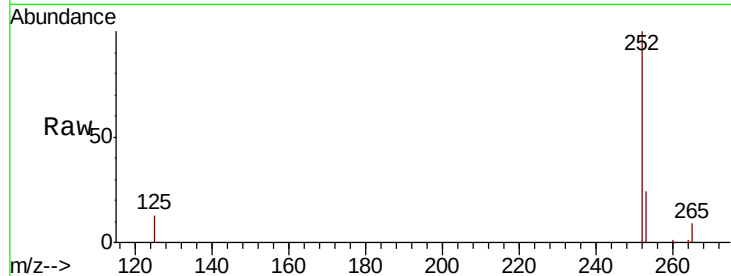




#35
Benzo(b)fluoranthene
Concen: 0.382 ng
RT: 22.83 min Scan# 2423
Delta R.T. -0.00 min
Lab File: BN002199.D
Acq: 30 Jul 2018 23:07

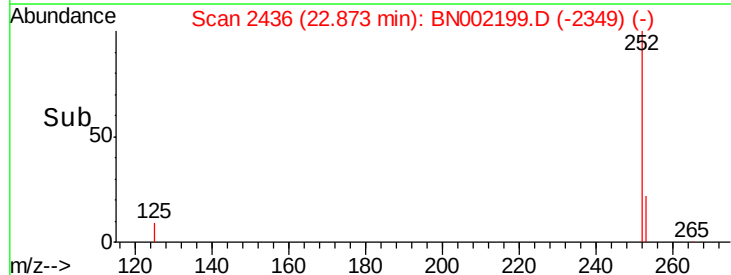
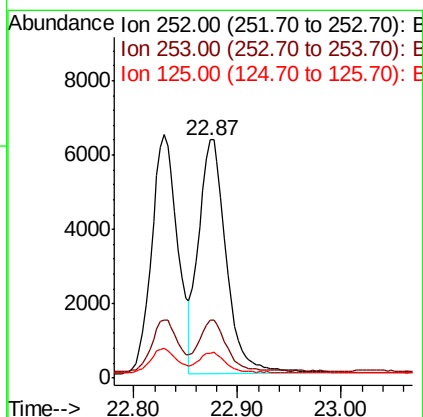
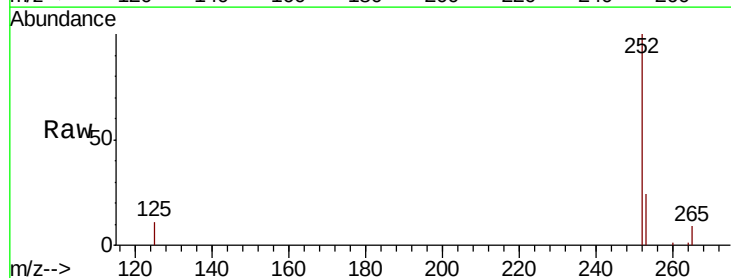
Instrument :
BNA_N
ClientSampleId :

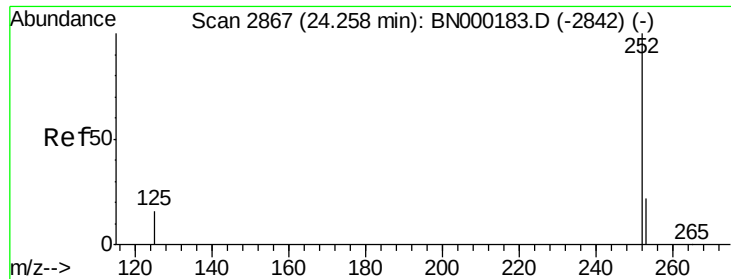
Tot Ion:252 Resp: 11234
Ion Ratio Lower Upper
252 100
253 24.1 20.0 30.0
125 12.5 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.380 ng
RT: 22.87 min Scan# 2436
Delta R.T. -0.00 min
Lab File: BN002199.D
Acq: 30 Jul 2018 23:07

Tgt Ion:252 Resp: 11586
Ion Ratio Lower Upper
252 100
253 24.2 16.0 24.0#
125 10.6 8.0 12.0





#37

Benzo(a)pyrene

Concen: 0.393 ng

RT: 23.40 min Scan# 2590

Delta R.T. -0.00 min

Lab File: BN002199.D

Acq: 30 Jul 2018 23:07

Instrument :

BNA_N

ClientSampleId :

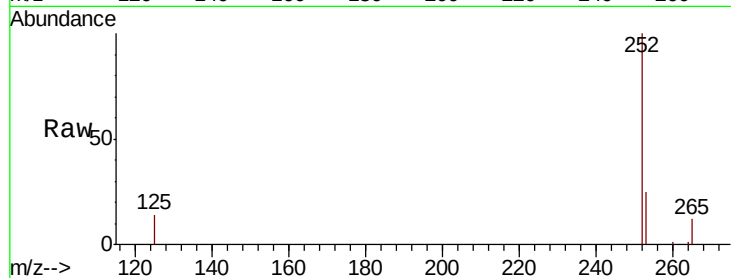
Tot Ion:252 Resp: 10475

Ion Ratio Lower Upper

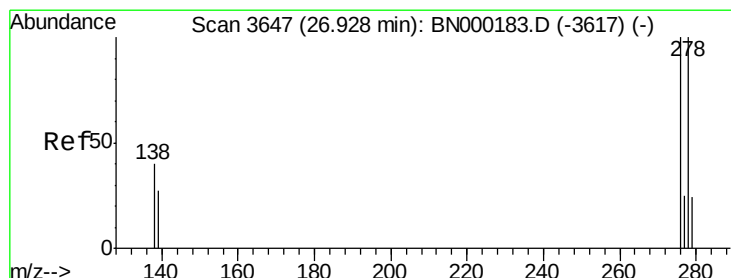
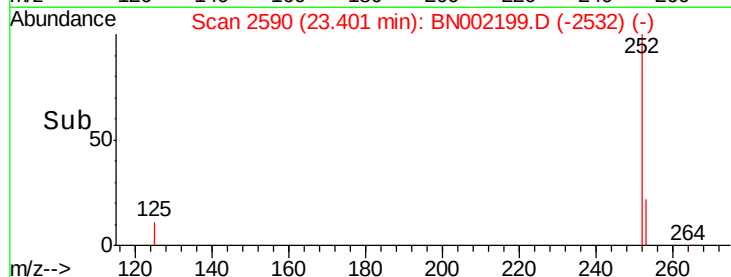
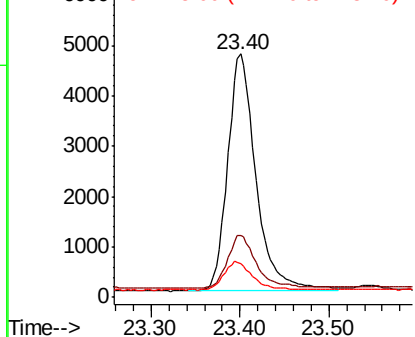
252 100

253 25.4 16.0 24.0#

125 13.7 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: 0.404 ng

RT: 25.74 min Scan# 3273

Delta R.T. -0.00 min

Lab File: BN002199.D

Acq: 30 Jul 2018 23:07

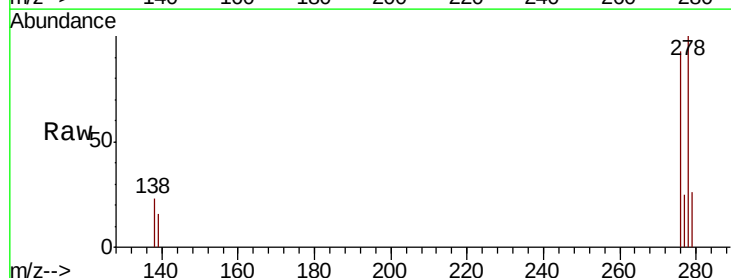
Tgt Ion:278 Resp: 10466

Ion Ratio Lower Upper

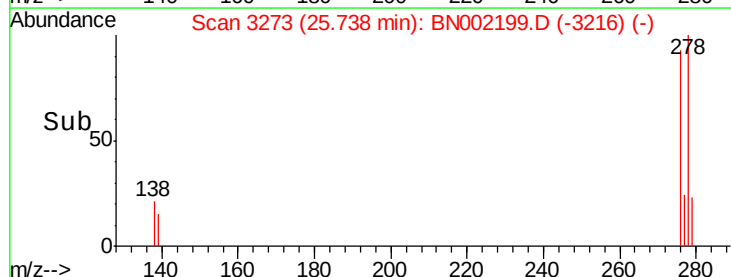
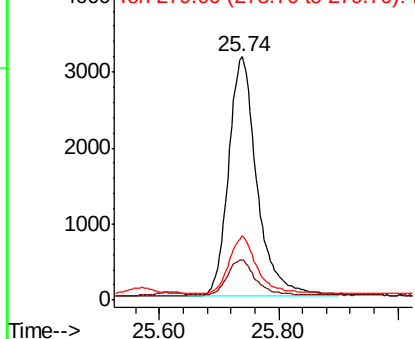
278 100

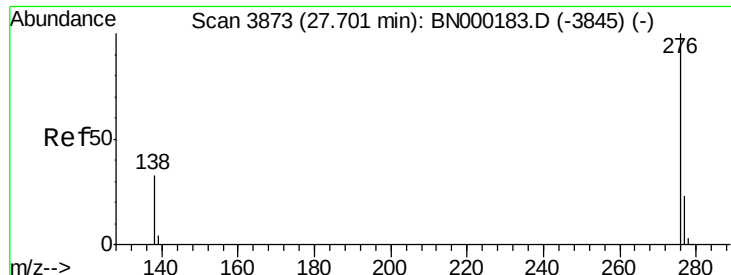
139 16.3 16.0 24.0

279 26.4 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: 0.408 ng

RT: 26.40 min Scan# 3466

Delta R.T. -0.01 min

Lab File: BN002199.D

Acq: 30 Jul 2018 23:07

Instrument :

BNA_N

ClientSampleId :

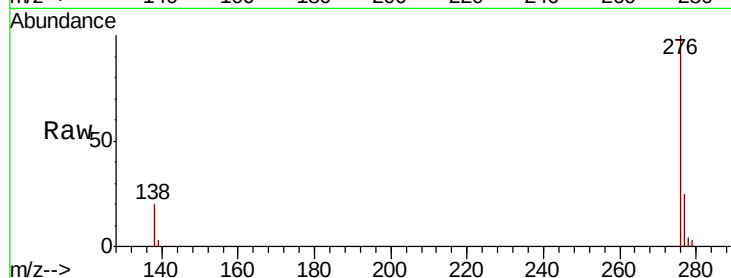
Tot Ion: 276 Resp: 10809

Ion Ratio Lower Upper

276 100

277 25.2 16.0 24.0#

138 20.2 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

