

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070919\
 Data File : BN006765.D
 Acq On : 09 Jul 2019 10:58
 Operator : HP/JU
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 09 12:32:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN070919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 12:25:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	3243	0.40	ng	0.00
7) Naphthalene-d8	10.35	136	12618	0.40	ng	-0.01
13) Acenaphthene-d10	14.23	164	7152	0.40	ng	-0.01
19) Phenanthrene-d10	17.00	188	16204	0.40	ng	0.00
27) Chrysene-d12	21.24	240	16732	0.40	ng	0.00
34) Perylene-d12	23.49	264	17878	0.40	ng	0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.20	112	12094	1.37	ng	-0.02
5) Phenol-d6	6.78	99	16708	1.50	ng	-0.03
8) Nitrobenzene-d5	8.74	82	15045	1.55	ng	-0.04
11) 2-Methylnaphthalene-d10	11.96	152	30650	1.62	ng	-0.01
14) 2,4,6-Tribromophenol	15.75	330	5642	1.60	ng	-0.02
15) 2-Fluorobiphenyl	12.85	172	43970	1.57	ng	-0.01
25) Fluoranthene-d10	19.05	212	78540	1.69	ng	0.00
29) Terphenyl-d14	19.66	244	58787	1.53	ng	0.00

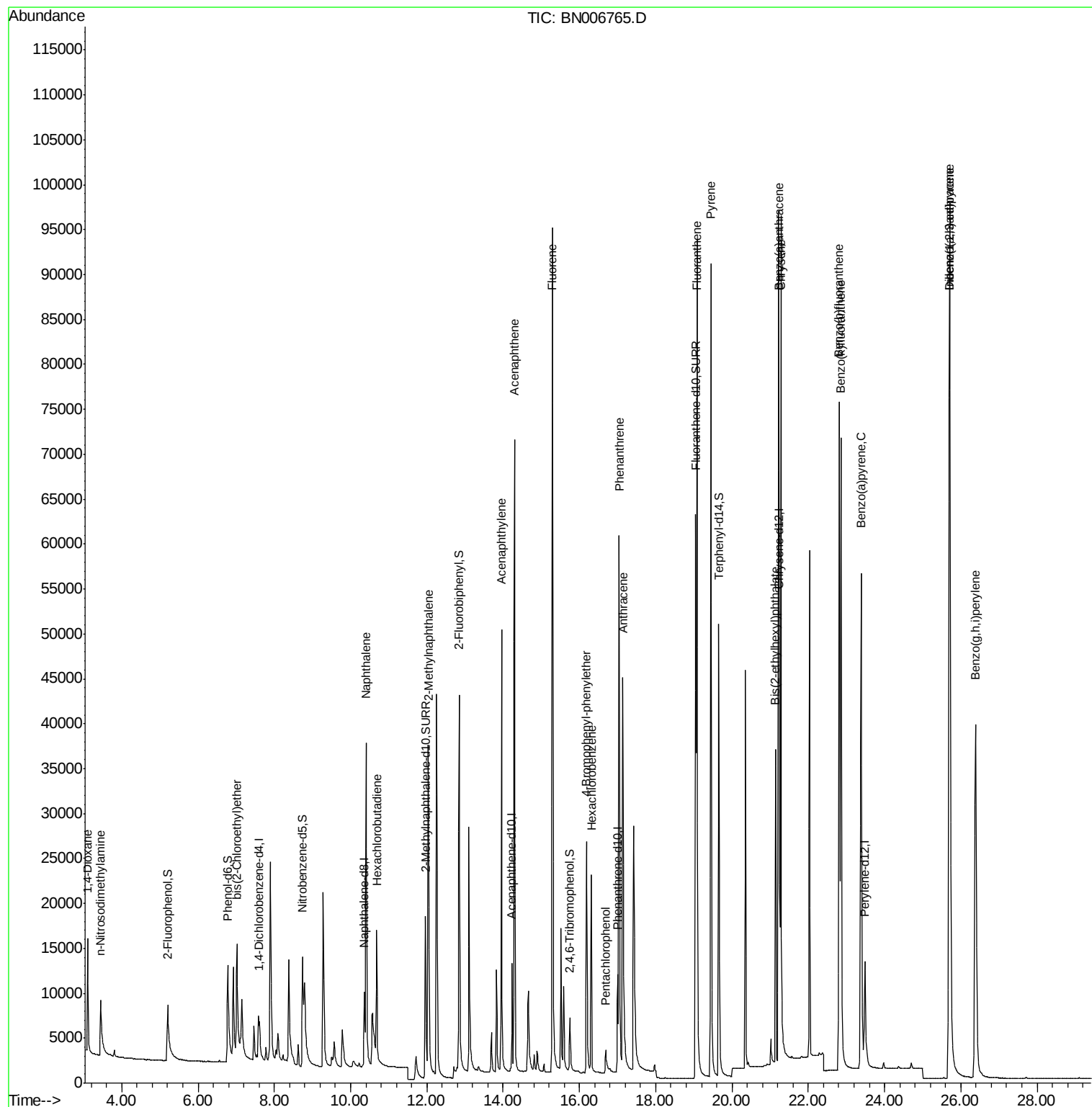
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.11	88	7850	1.549	ng	94
3) n-Nitrosodimethylamine	3.44	42	7276	1.903	ng	# 97
6) bis(2-Chloroethyl)ether	7.02	93	17149	1.820	ng	94
9) Naphthalene	10.40	128	54112	1.568	ng	98
10) Hexachlorobutadiene	10.68	225	11154	1.596	ng	# 99
12) 2-Methylnaphthalene	12.03	142	35710	1.394	ng	98
16) Acenaphthylene	13.95	152	56413	1.583	ng	100
17) Acenaphthene	14.30	154	36955	1.626	ng	98
18) Fluorene	15.29	166	46680	1.654	ng	100
20) 4-Bromophenyl-phenylether	16.19	248	15588	1.633	ng	93
21) Hexachlorobenzene	16.31	284	19276	1.697	ng	100
22) Pentachlorophenol	16.69	266	2959	1.817	ng	92
23) Phenanthrene	17.05	178	74860	1.603	ng	100
24) Anthracene	17.14	178	66934	1.586	ng	100
26) Fluoranthene	19.08	202	92262	1.682	ng	100
28) Pyrene	19.45	202	93578	1.398	ng	100
30) Benzo(a)anthracene	21.23	228	83756	1.451	ng	99
31) Chrysene	21.28	228	93894	1.579	ng	100
32) Bis(2-ethylhexyl)phthalate	21.14	149	35991	0.209	ng	100
33) Indeno(1,2,3-cd)pyrene	25.70	276	112722	1.585	ng	100
35) Benzo(b)fluoranthene	22.81	252	95274	1.660	ng	97
36) Benzo(k)fluoranthene	22.86	252	102103	1.641	ng	97
37) Benzo(a)pyrene	23.38	252	89775	1.615	ng	96
38) Dibenzo(a,h)anthracene	25.71	278	90478	1.638	ng	97
39) Benzo(g,h,i)perylene	26.39	276	93054	1.637	ng	99

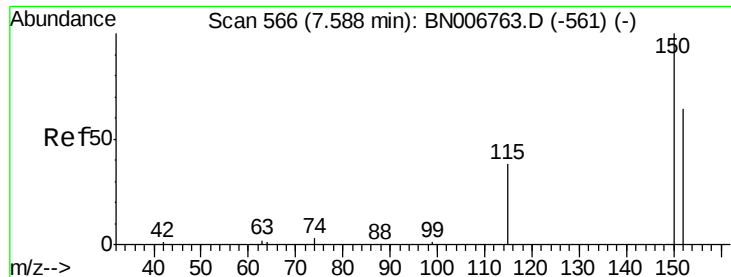
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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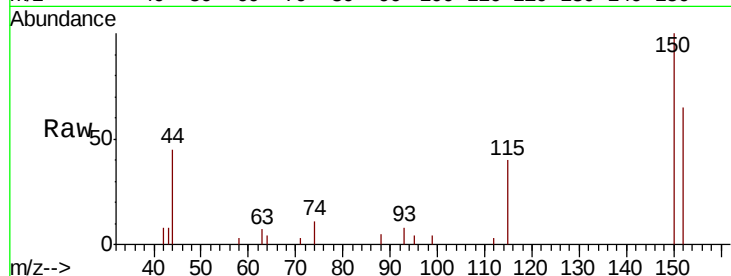


#1

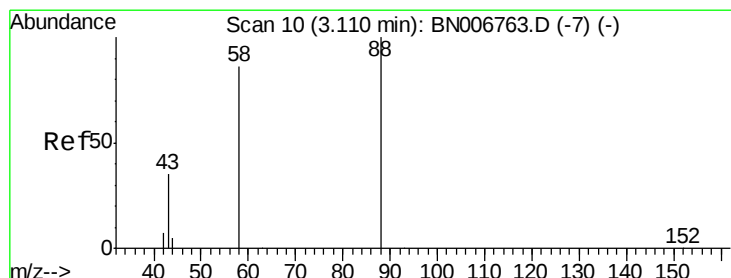
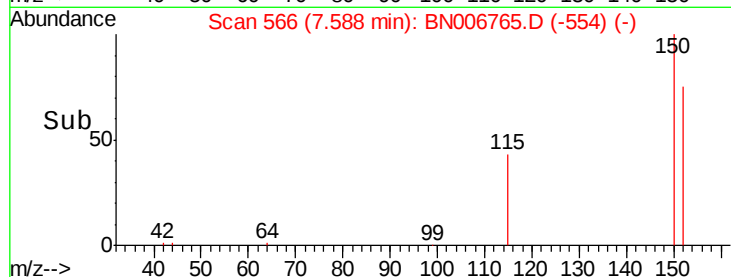
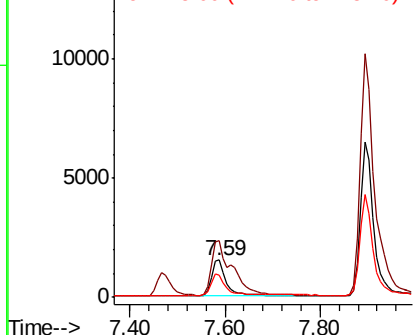
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.59 min Scan# 566
Delta R.T. 0.00 min
Lab File: BN006765.D
Acq: 09 Jul 2019 10:58

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 3243
Ion Ratio Lower Upper
152 100
150 153.0 123.6 185.4
115 61.4 52.5 78.7



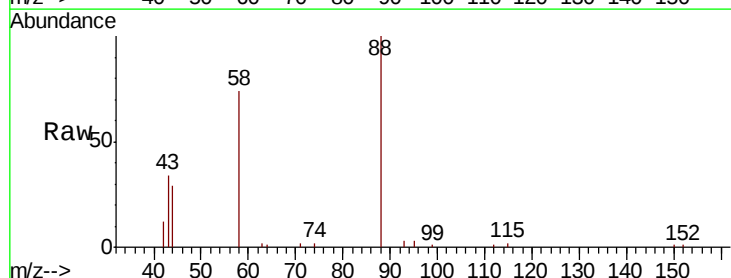
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



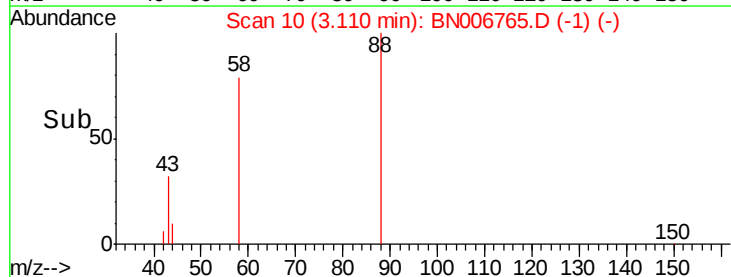
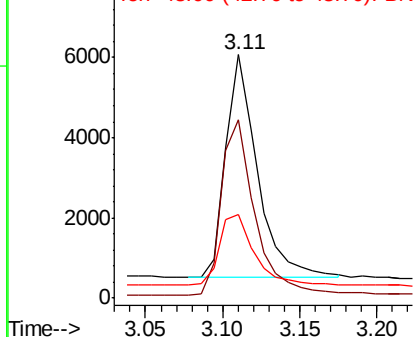
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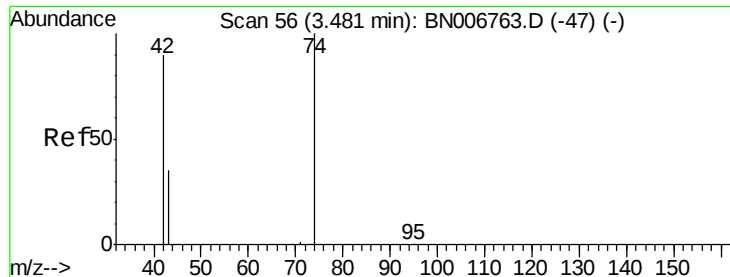
1,4-Dioxane
Concen: 1.549 ng
RT: 3.11 min Scan# 10
Delta R.T. 0.00 min
Lab File: BN006765.D
Acq: 09 Jul 2019 10:58

Tgt Ion: 88 Resp: 7850
Ion Ratio Lower Upper
88 100
58 84.1 61.8 92.6
43 34.3 27.9 41.9



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



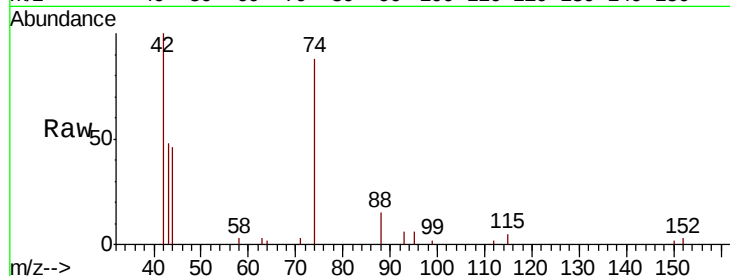


#3

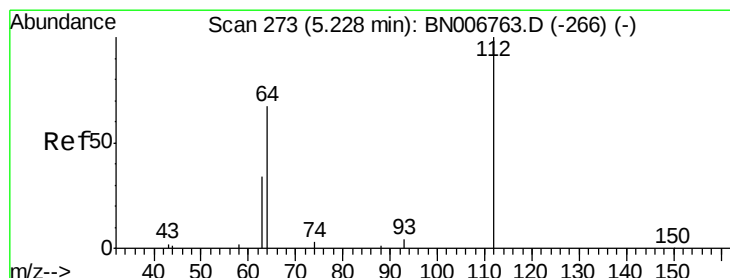
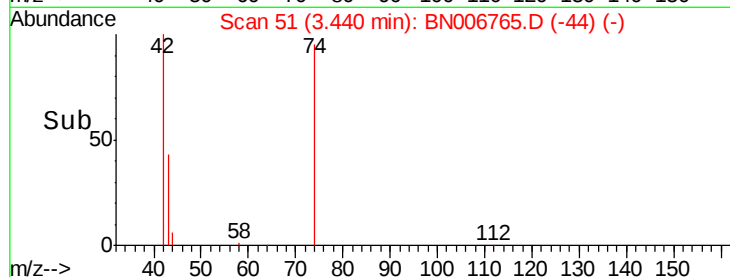
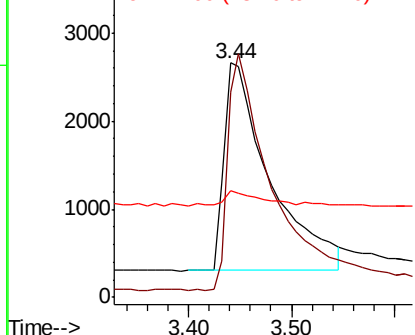
n-Nitrosodimethylamine
 Concen: 1.903 ng
 RT: 3.44 min Scan# 51
 Delta R.T. -0.04 min
 Lab File: BN006765.D
 Acq: 09 Jul 2019 10:58

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion: 42 Resp: 7276
 Ion Ratio Lower Upper
 42 100
 74 109.9 86.2 129.4
 44 5.5 7.0 10.6#



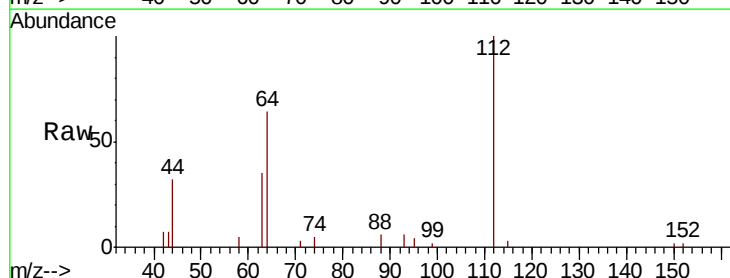
Abundance Ion 42.00 (41.70 to 42.70): BNC
 Ion 74.00 (73.70 to 74.70): BNC
 Ion 44.00 (43.70 to 44.70): BNC



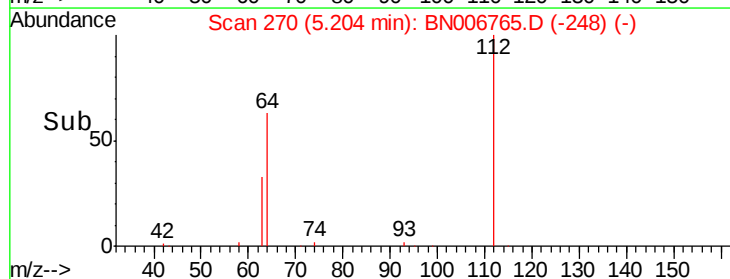
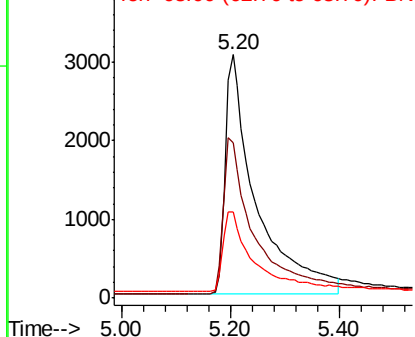
#4

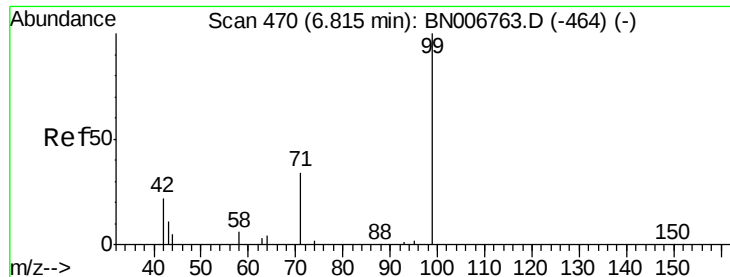
2-Fluorophenol
 Concen: 1.373 ng
 RT: 5.20 min Scan# 270
 Delta R.T. -0.02 min
 Lab File: BN006765.D
 Acq: 09 Jul 2019 10:58

Tgt Ion: 112 Resp: 12094
 Ion Ratio Lower Upper
 112 100
 64 65.3 52.7 79.1
 63 34.4 27.7 41.5



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





#5

Phenol-d6

Concen: 1.498 ng

RT: 6.78 min Scan# 466

Delta R.T. -0.03 min

Lab File: BN006765.D

Acq: 09 Jul 2019 10:58

Instrument :

BNA_N

ClientSampled :

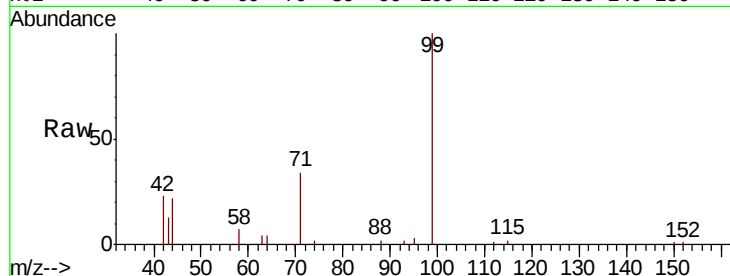
Tot Ion: 99 Resp: 16708

Ion Ratio Lower Upper

99 100

42 23.2 17.0 25.6

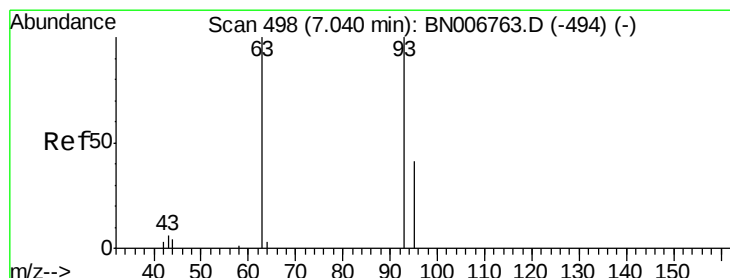
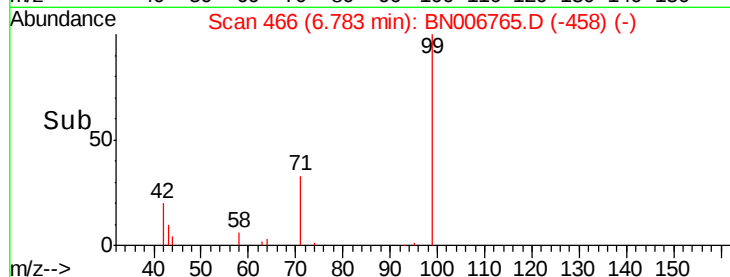
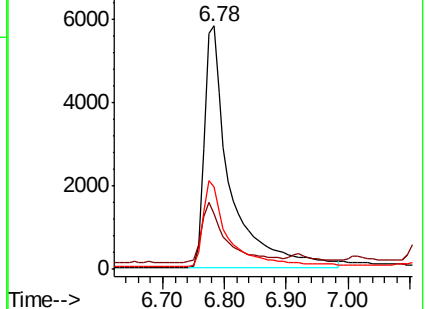
71 34.9 29.1 43.7



Abundance Ion 99.00 (98.70 to 99.70): BN006763.D (-464) (-)

Ion 42.00 (41.70 to 42.70): BN006763.D (-464) (-)

Ion 71.00 (70.70 to 71.70): BN006763.D (-464) (-)



#6

bis(2-Chloroethyl)ether

Concen: 1.820 ng

RT: 7.02 min Scan# 495

Delta R.T. -0.02 min

Lab File: BN006765.D

Acq: 09 Jul 2019 10:58

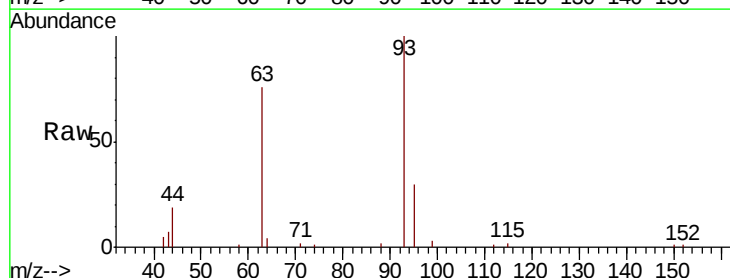
Tgt Ion: 93 Resp: 17149

Ion Ratio Lower Upper

93 100

63 66.9 48.6 73.0

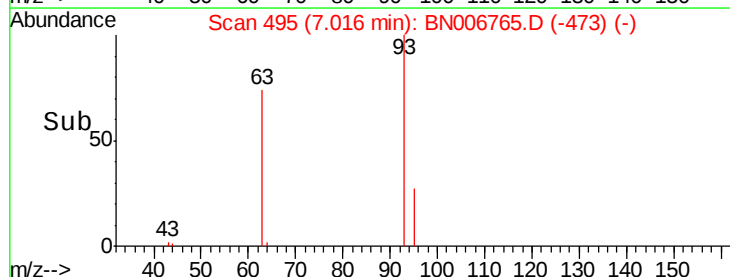
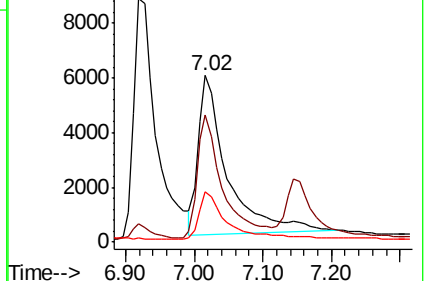
95 28.9 22.9 34.3

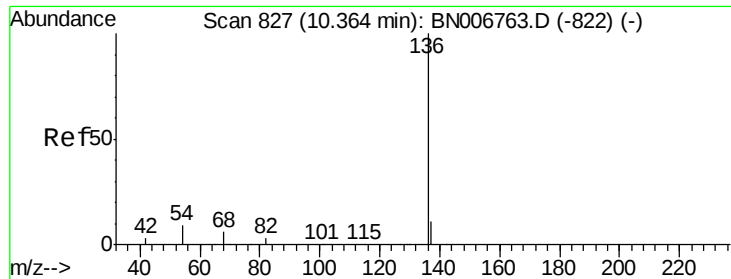


Abundance Ion 93.00 (92.70 to 93.70): BN006763.D (-494) (-)

Ion 63.00 (62.70 to 63.70): BN006763.D (-494) (-)

Ion 95.00 (94.70 to 95.70): BN006763.D (-494) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.35 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN006765.D

Acq: 09 Jul 2019 10:58

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 12618

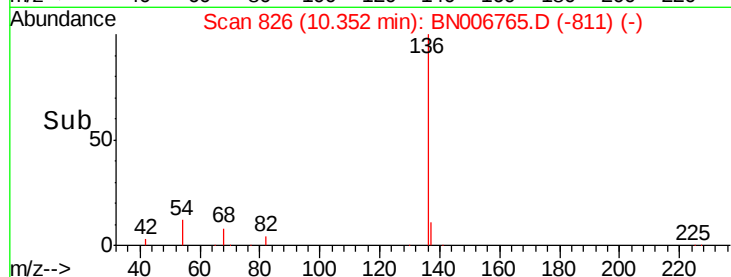
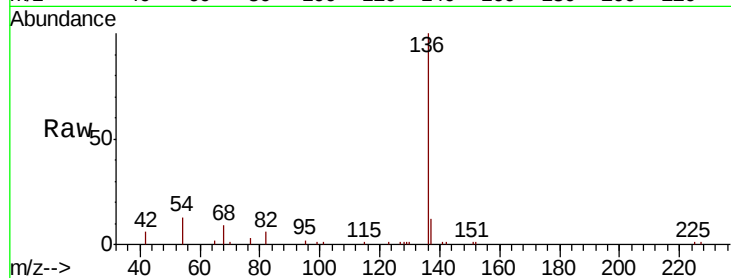
Ion Ratio Lower Upper

136 100

137 11.8 9.5 14.3

54 12.8 8.4 12.6#

68 9.1 6.4 9.6

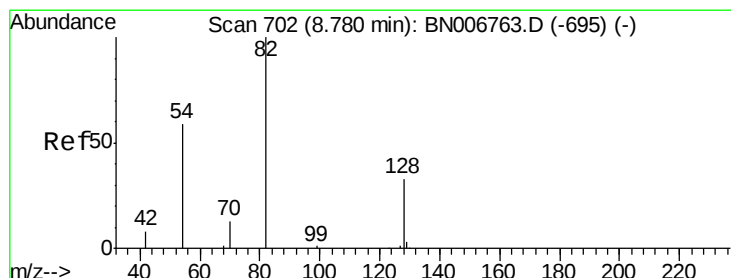
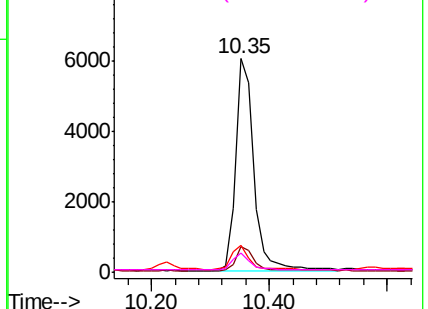


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.555 ng

RT: 8.74 min Scan# 699

Delta R.T. -0.04 min

Lab File: BN006765.D

Acq: 09 Jul 2019 10:58

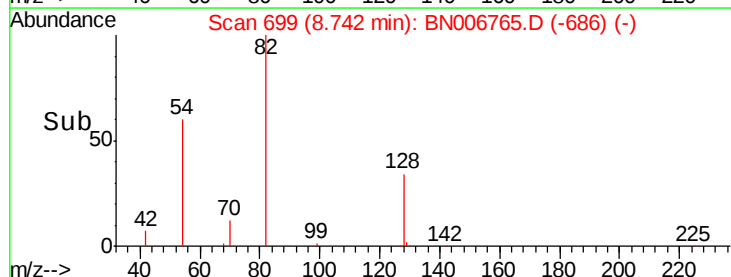
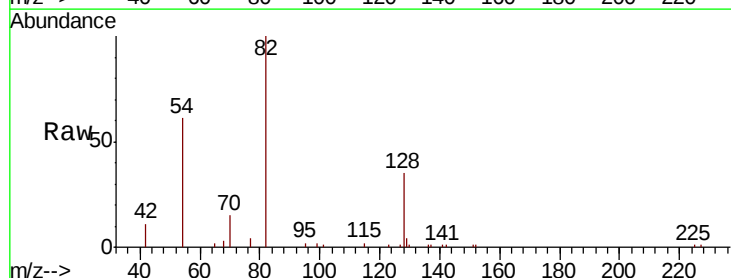
Tgt Ion: 82 Resp: 15045

Ion Ratio Lower Upper

82 100

128 34.6 33.0 49.6

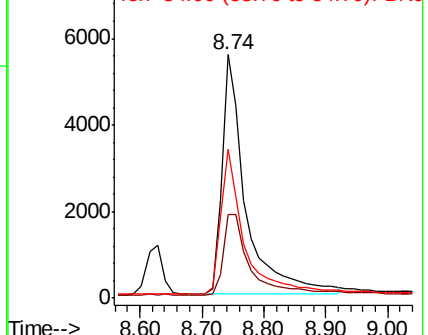
54 61.1 52.2 78.2

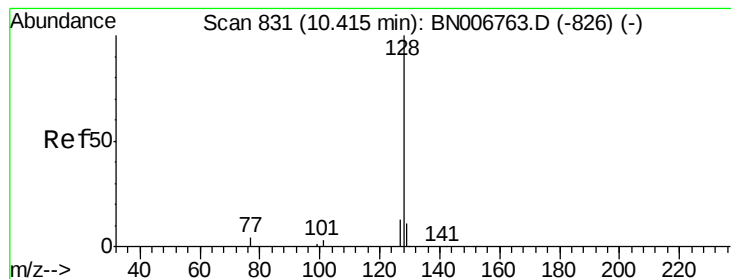


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 1.568 ng

RT: 10.40 min Scan# 830

Delta R.T. -0.01 min

Lab File: BN006765.D

Acq: 09 Jul 2019 10:58

Instrument :

BNA_N

ClientSampleId :

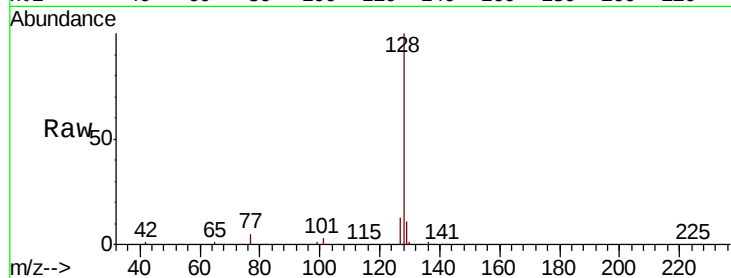
Tot Ion:128 Resp: 54112

Ion Ratio Lower Upper

128 100

129 11.1 9.6 14.4

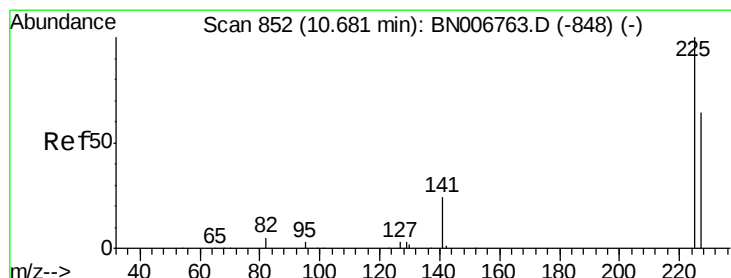
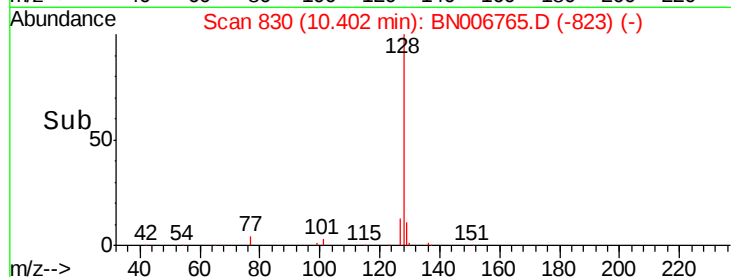
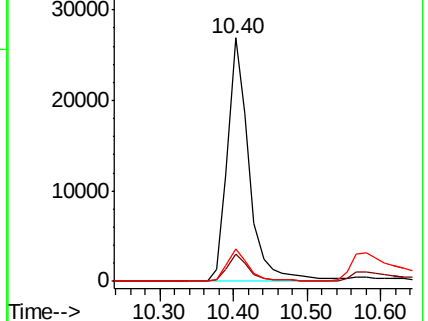
127 13.3 11.0 16.4



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: 1.596 ng

RT: 10.68 min Scan# 852

Delta R.T. 0.00 min

Lab File: BN006765.D

Acq: 09 Jul 2019 10:58

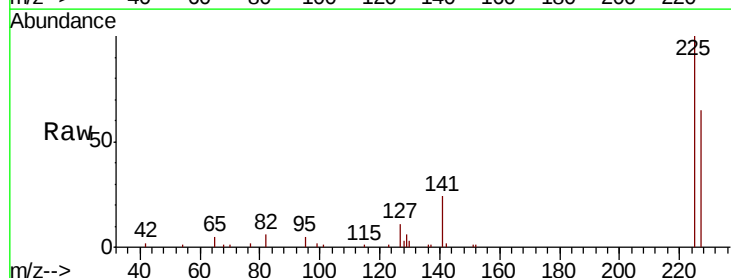
Tgt Ion:225 Resp: 11154

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

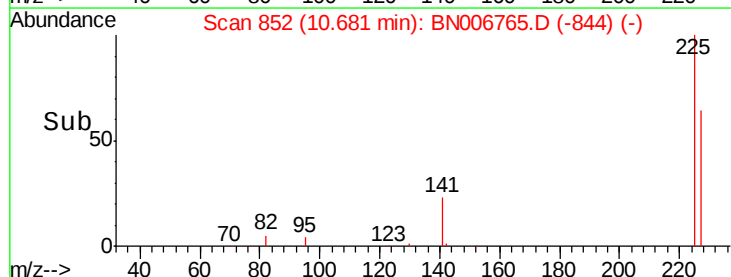
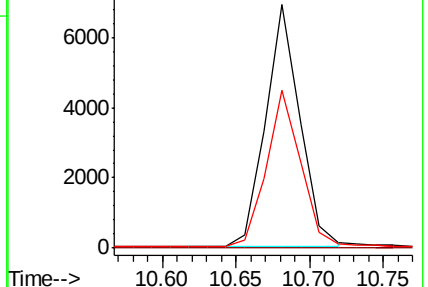
227 64.0 50.8 76.2

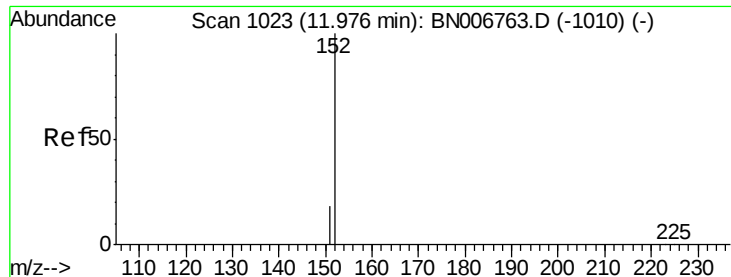


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

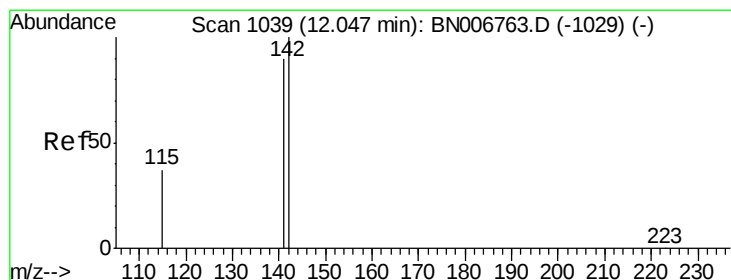
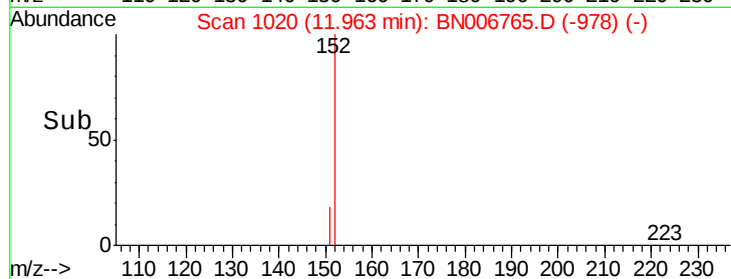
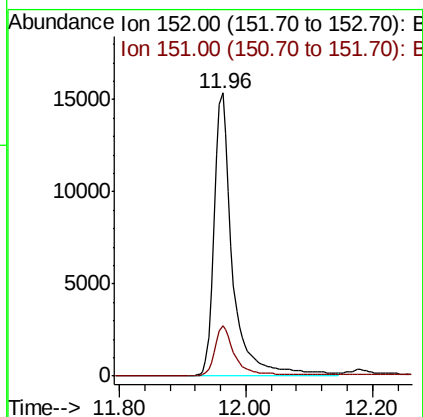
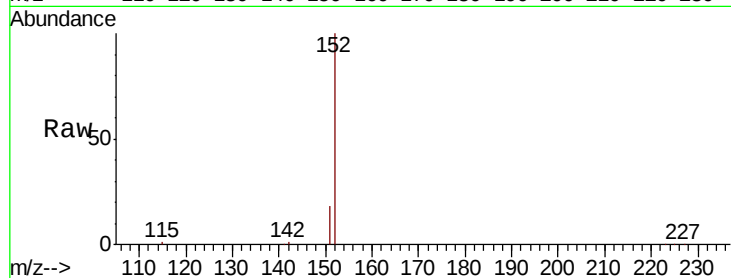




#11
2-Methylnaphthalene-d10
Concen: 1.616 ng
RT: 11.96 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BN006765.D
Acq: 09 Jul 2019 10:58

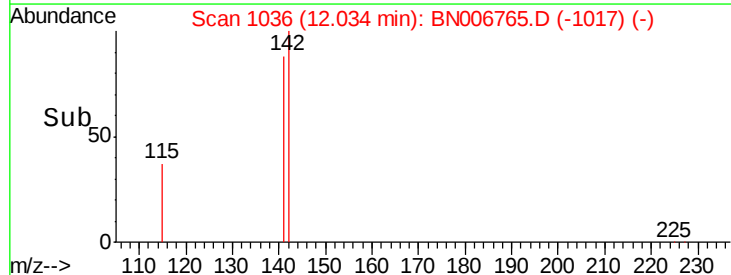
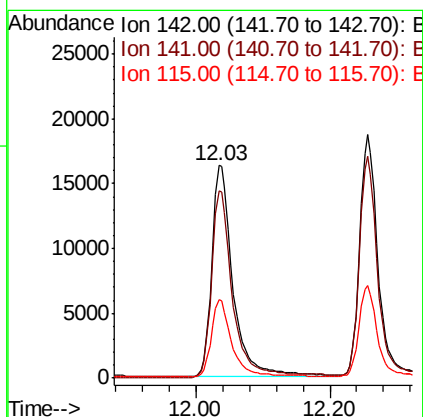
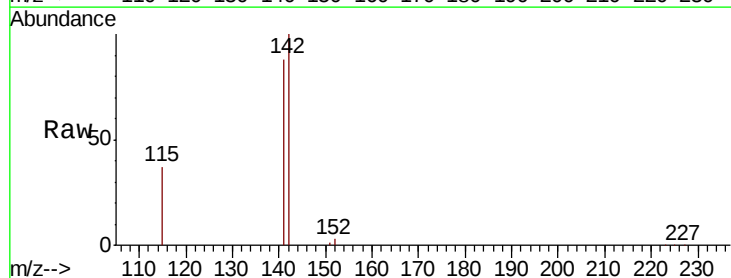
Instrument :
BNA_N
ClientSampleId :

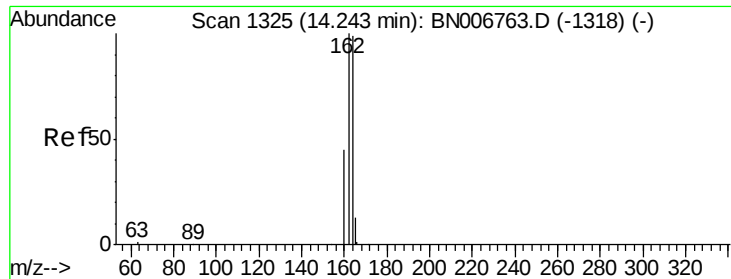
Tot Ion:152 Resp: 30650
Ion Ratio Lower Upper
152 100
151 19.1 15.1 22.7



#12
2-Methylnaphthalene
Concen: 1.394 ng
RT: 12.03 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BN006765.D
Acq: 09 Jul 2019 10:58

Tgt Ion:142 Resp: 35710
Ion Ratio Lower Upper
142 100
141 88.1 71.7 107.5
115 36.9 31.2 46.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.23 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BN006765.D

Acq: 09 Jul 2019 10:58

Instrument :

BNA_N

ClientSampleId :

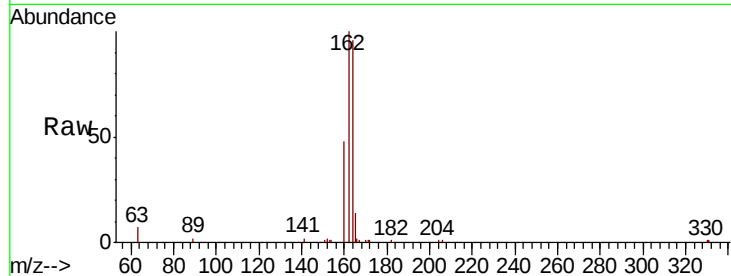
Tot Ion:164 Resp: 7152

Ion Ratio Lower Upper

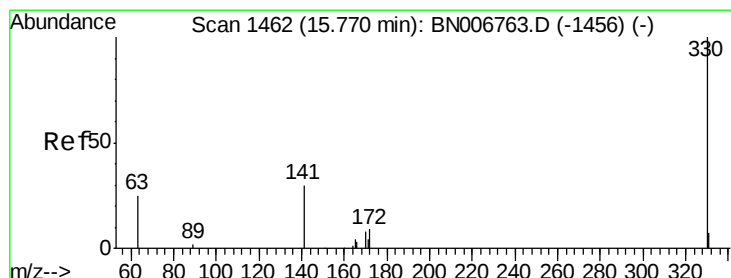
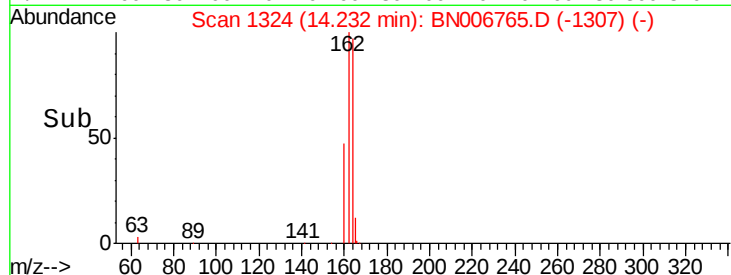
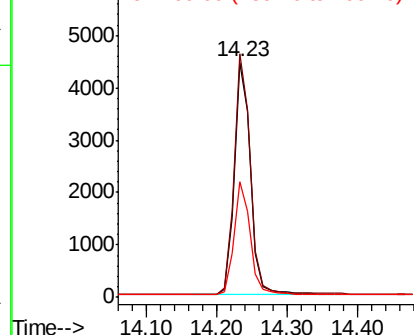
164 100

162 103.7 81.0 121.4

160 49.3 37.4 56.0



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: 1.605 ng

RT: 15.75 min Scan# 1460

Delta R.T. -0.02 min

Lab File: BN006765.D

Acq: 09 Jul 2019 10:58

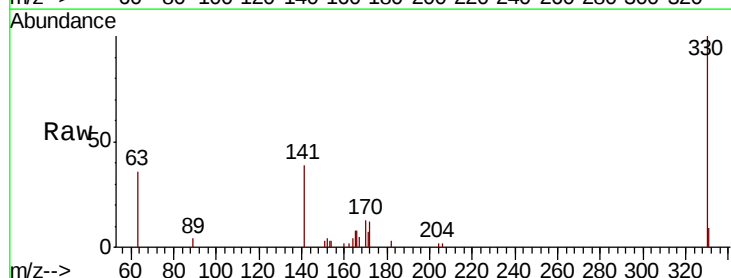
Tgt Ion:330 Resp: 5642

Ion Ratio Lower Upper

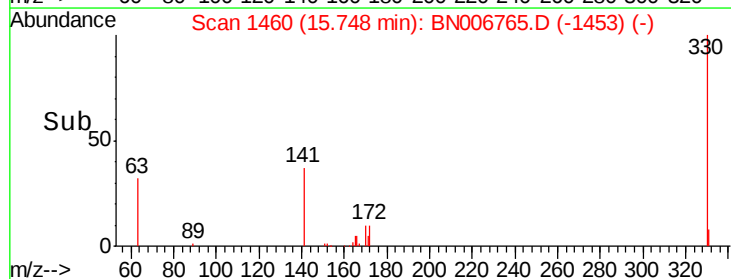
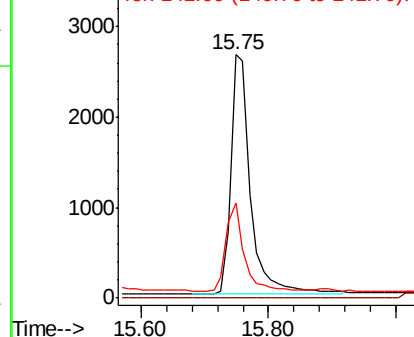
330 100

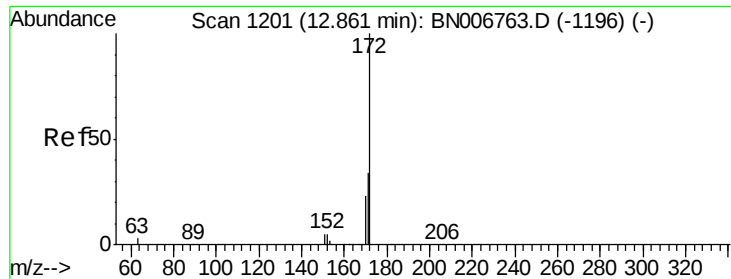
332 0.0 0.0 0.0

141 33.5 26.6 39.8



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

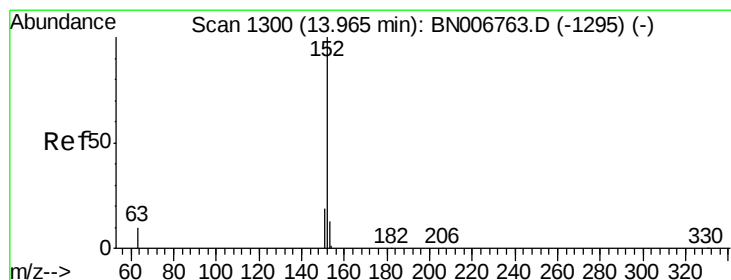
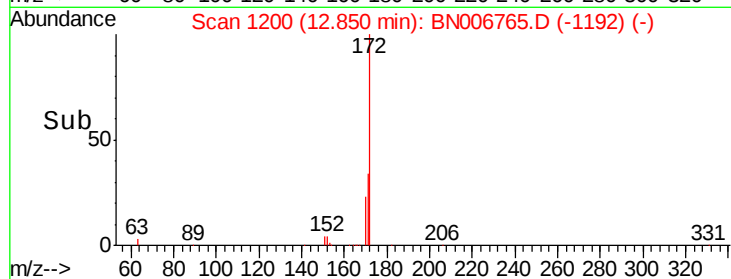
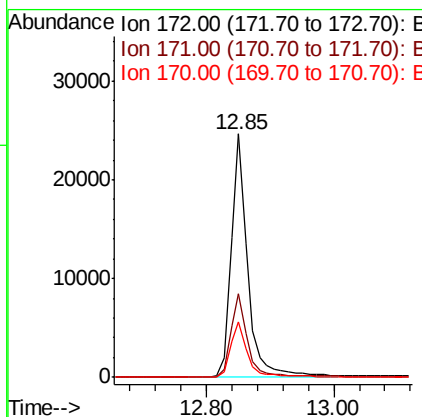
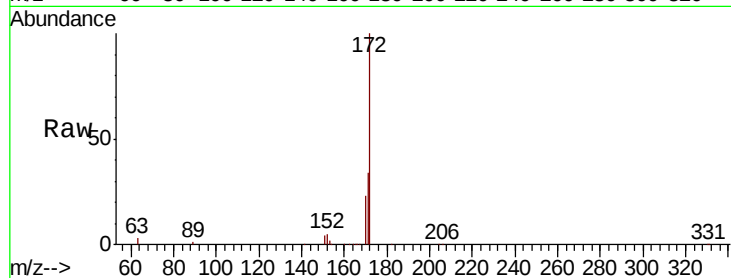




#15
2-Fluorobiphenyl
Concen: 1.572 ng
RT: 12.85 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BN006765.D
Acq: 09 Jul 2019 10:58

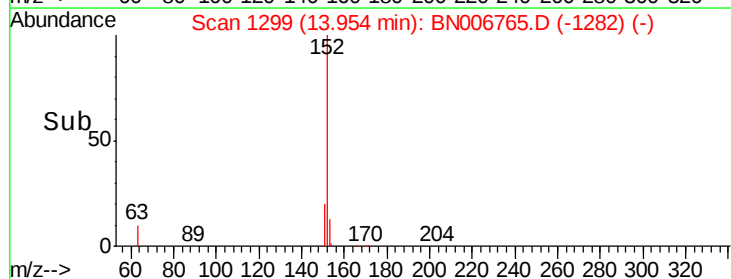
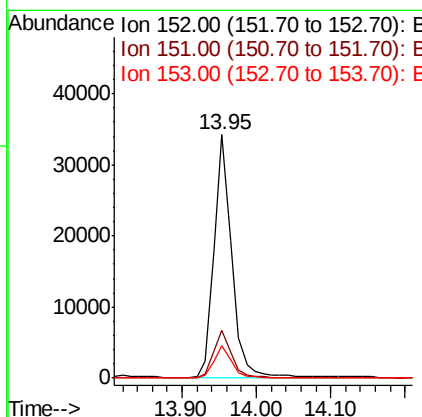
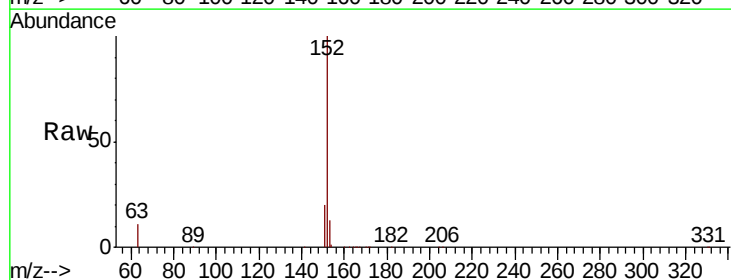
Instrument :
BNA_N
ClientSampleId :

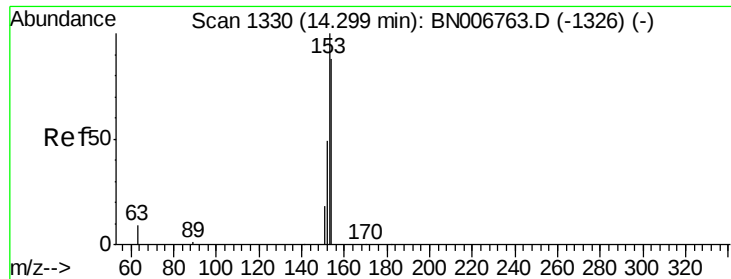
Tot Ion:172 Resp: 43970
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.6
170 22.8 19.0 28.6



#16
Acenaphthylene
Concen: 1.583 ng
RT: 13.95 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BN006765.D
Acq: 09 Jul 2019 10:58

Tgt Ion:152 Resp: 56413
Ion Ratio Lower Upper
152 100
151 19.6 15.8 23.8
153 13.0 10.5 15.7





#17

Acenaphthene

Concen: 1.626 ng

RT: 14.30 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BN006765.D

Acq: 09 Jul 2019 10:58

Instrument :

BNA_N

ClientSampleId :

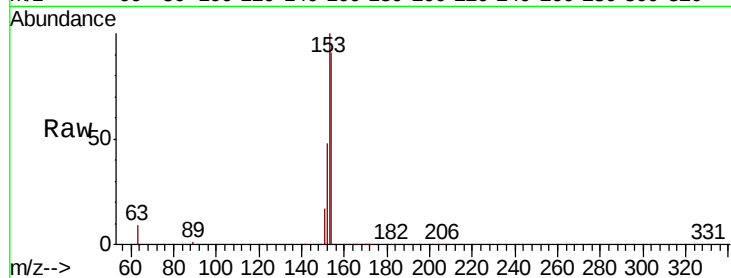
Tot Ion:154 Resp: 36955

Ion Ratio Lower Upper

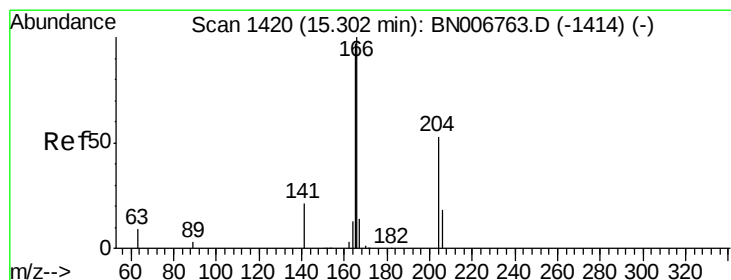
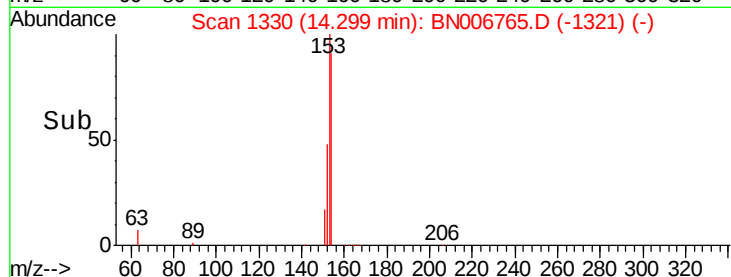
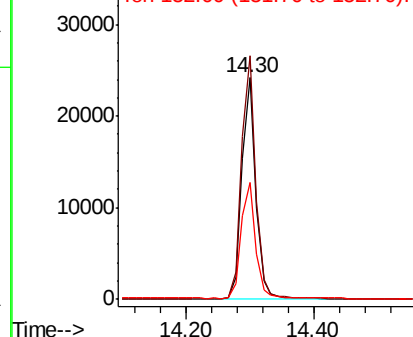
154 100

153 111.4 90.8 136.2

152 54.0 44.9 67.3



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: 1.654 ng

RT: 15.29 min Scan# 1419

Delta R.T. -0.01 min

Lab File: BN006765.D

Acq: 09 Jul 2019 10:58

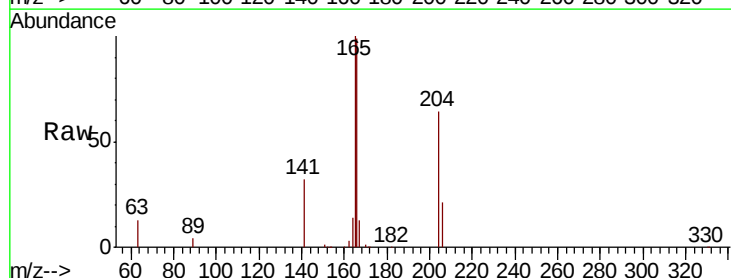
Tgt Ion:166 Resp: 46680

Ion Ratio Lower Upper

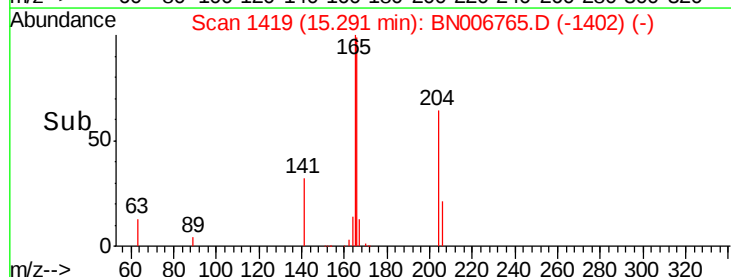
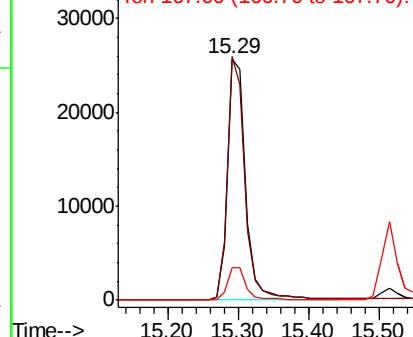
166 100

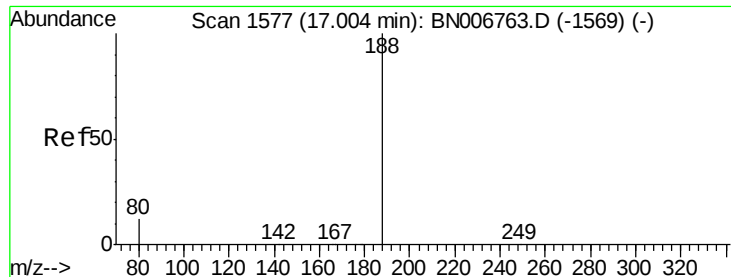
165 97.4 78.2 117.4

167 13.5 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: 17.00 min Scan# 1577

Delta R.T. 0.00 min

Lab File: BN006765.D

Acq: 09 Jul 2019 10:58

Instrument :

BNA_N

ClientSampleId :

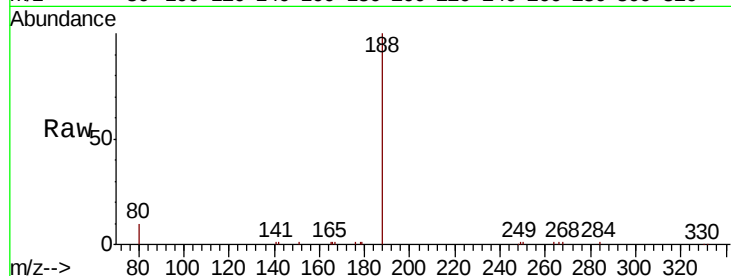
Tot Ion:188 Resp: 16204

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

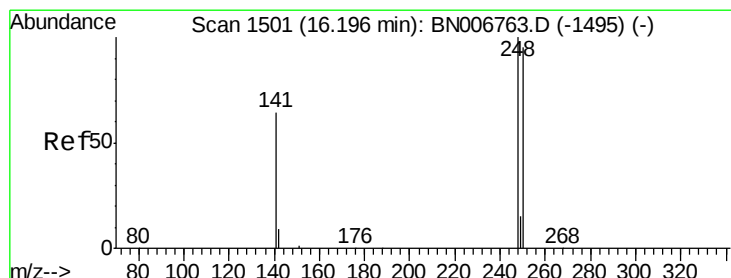
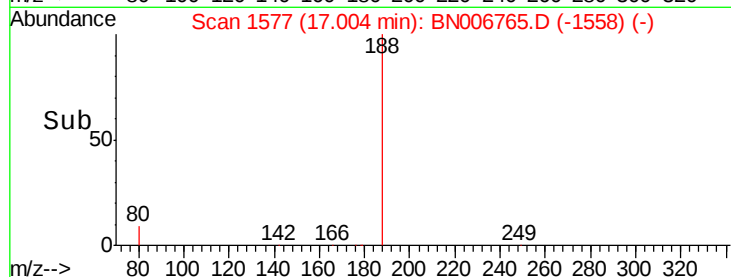
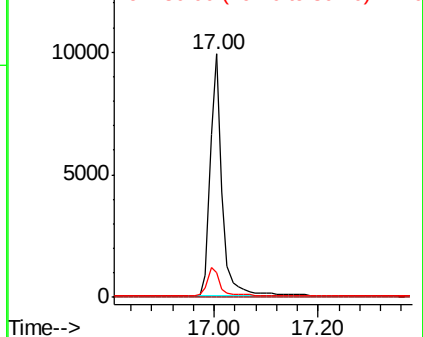
80 10.3 10.1 15.1



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: 1.633 ng

RT: 16.19 min Scan# 1500

Delta R.T. -0.01 min

Lab File: BN006765.D

Acq: 09 Jul 2019 10:58

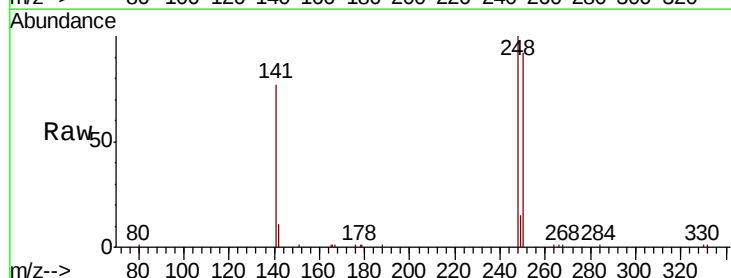
Tgt Ion:248 Resp: 15588

Ion Ratio Lower Upper

248 100

250 92.1 76.5 114.7

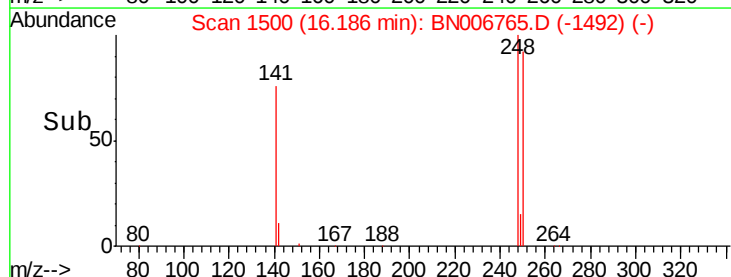
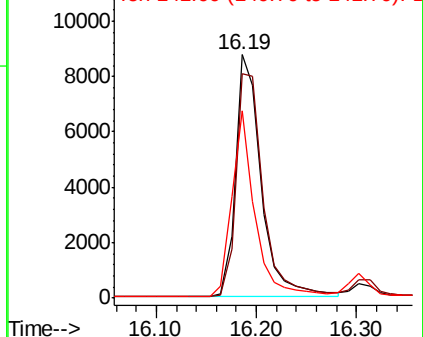
141 76.7 53.2 79.8

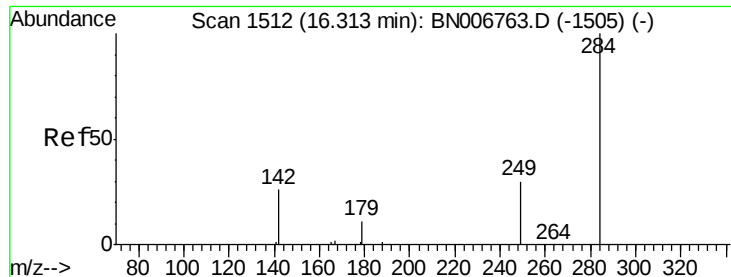


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 1.697 ng

RT: 16.31 min Scan# 1512

Delta R.T. 0.00 min

Lab File: BN006765.D

Acq: 09 Jul 2019 10:58

Instrument :

BNA_N

ClientSampleId :

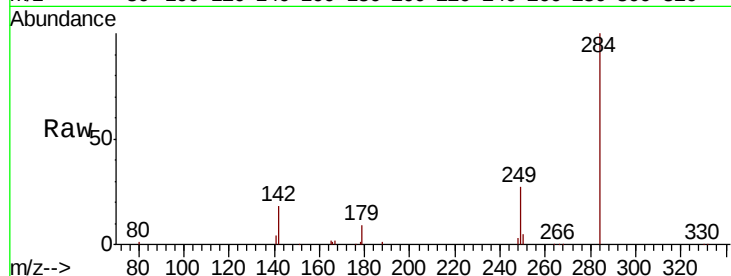
Tot Ion:284 Resp: 19276

Ion Ratio Lower Upper

284 100

142 33.6 27.0 40.4

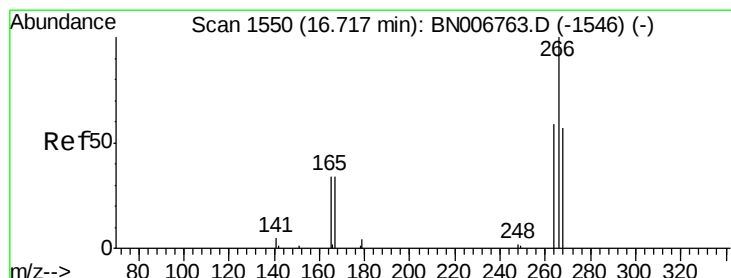
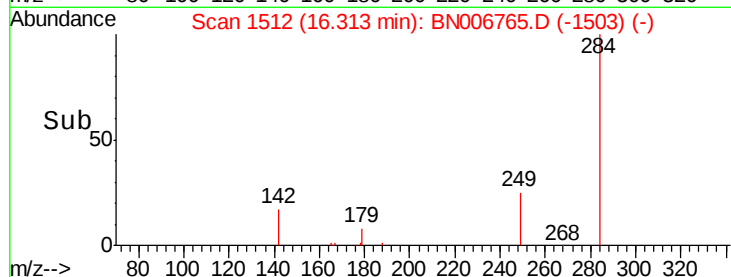
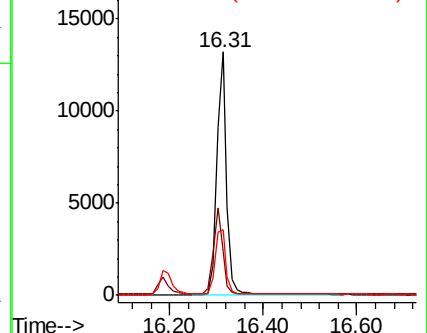
249 30.2 24.3 36.5



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: 1.817 ng

RT: 16.69 min Scan# 1547

Delta R.T. -0.03 min

Lab File: BN006765.D

Acq: 09 Jul 2019 10:58

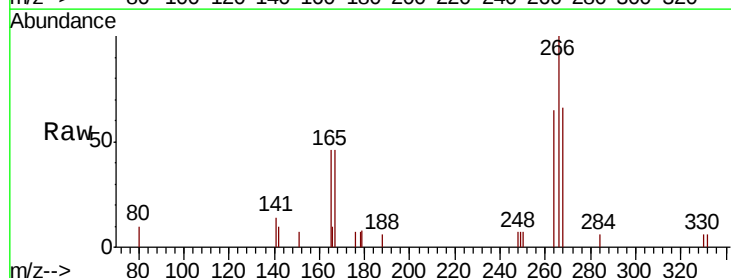
Tgt Ion:266 Resp: 2959

Ion Ratio Lower Upper

266 100

264 65.2 56.2 84.4

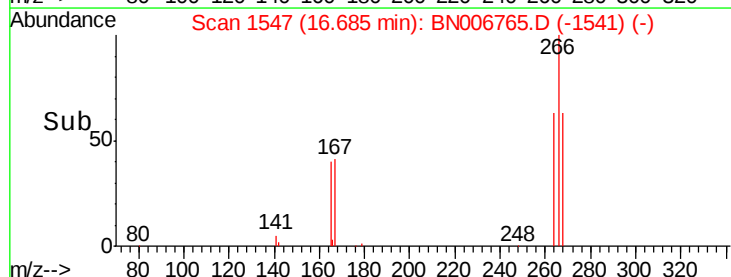
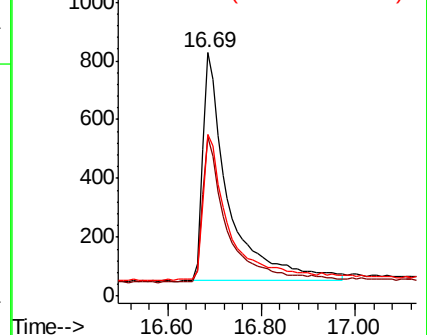
268 66.2 60.2 90.2

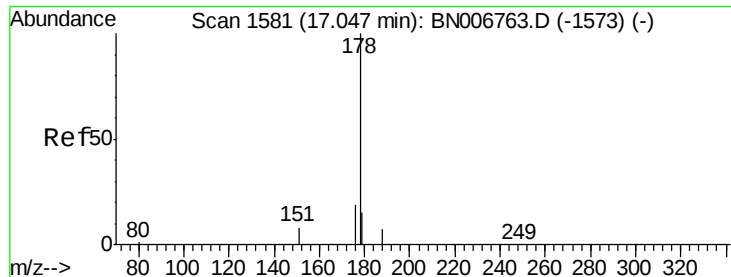


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 1.603 ng

RT: 17.05 min Scan# 1581

Delta R.T. 0.00 min

Lab File: BN006765.D

Acq: 09 Jul 2019 10:58

Instrument :

BNA_N

ClientSampleId :

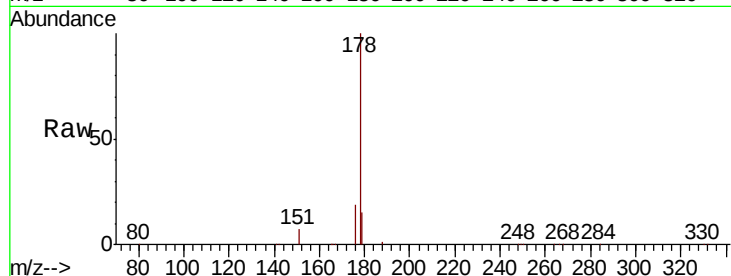
Tot Ion:178 Resp: 74860

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

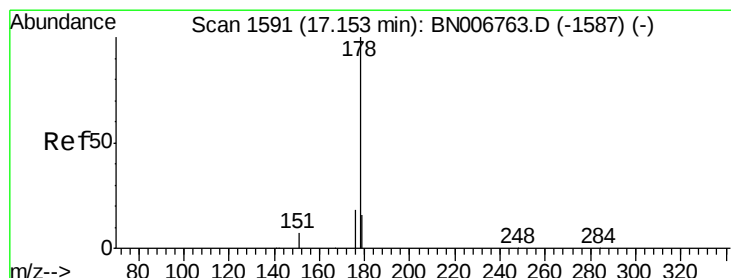
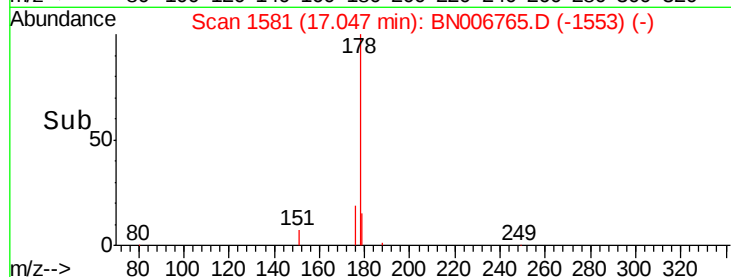
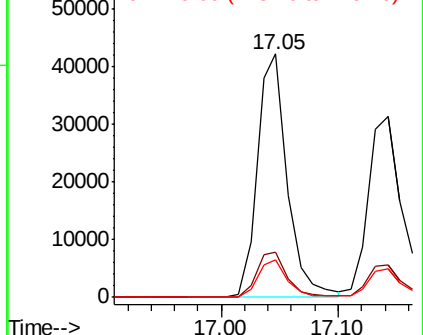
179 15.1 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 1.586 ng

RT: 17.14 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BN006765.D

Acq: 09 Jul 2019 10:58

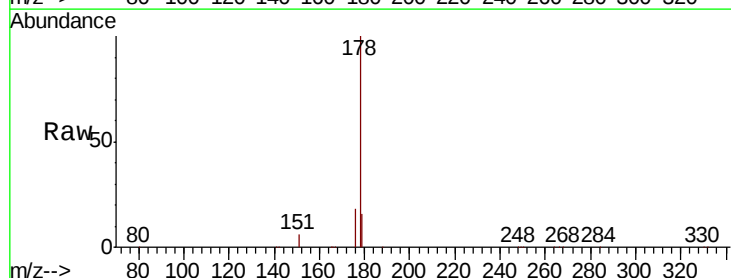
Tgt Ion:178 Resp: 66934

Ion Ratio Lower Upper

178 100

176 18.4 14.6 22.0

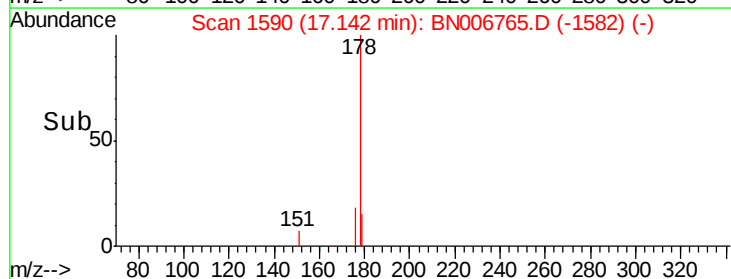
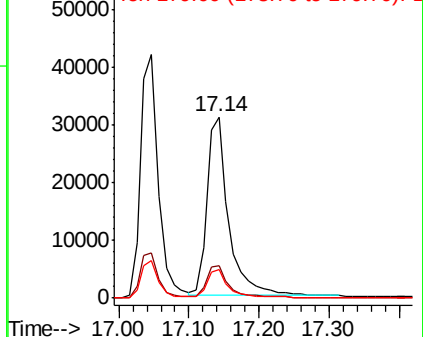
179 15.2 12.1 18.1

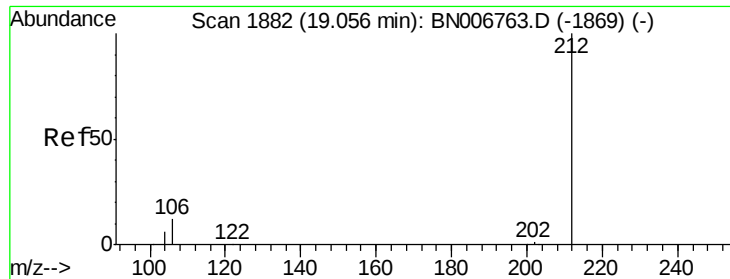


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 1.694 ng

RT: 19.05 min Scan# 1881

Delta R.T. -0.00 min

Lab File: BN006765.D

Acq: 09 Jul 2019 10:58

Instrument :

BNA_N

ClientSampleId :

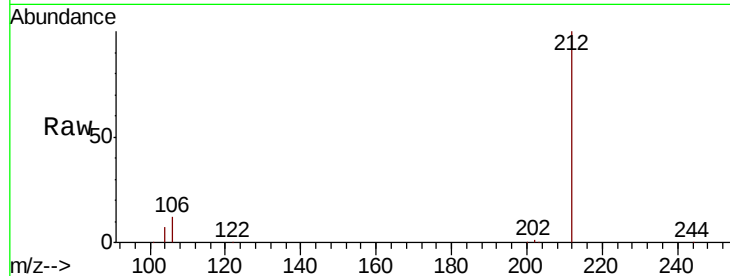
Tot Ion:212 Resp: 78540

Ion Ratio Lower Upper

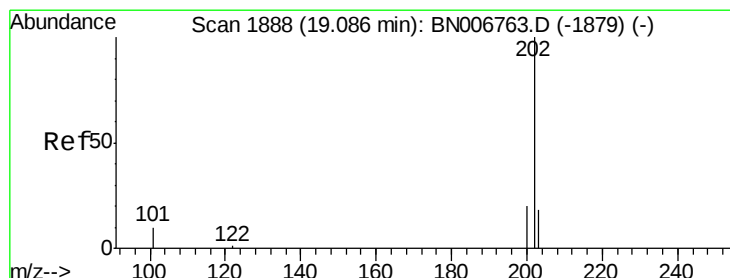
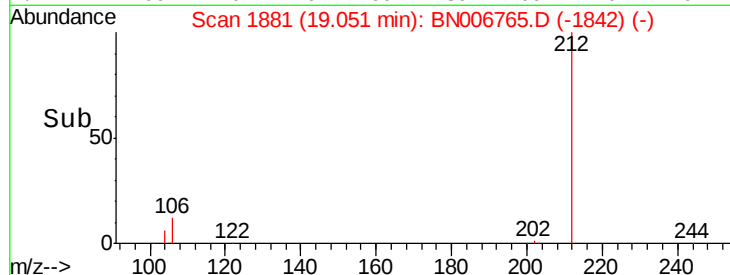
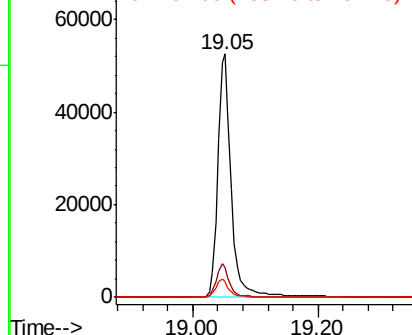
212 100

106 13.2 10.5 15.7

104 7.2 5.9 8.9



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: 1.682 ng

RT: 19.08 min Scan# 1887

Delta R.T. -0.00 min

Lab File: BN006765.D

Acq: 09 Jul 2019 10:58

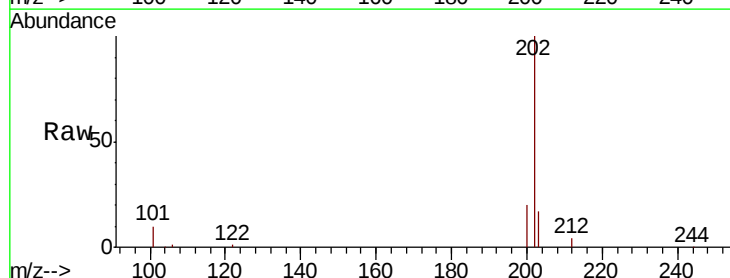
Tgt Ion:202 Resp: 92262

Ion Ratio Lower Upper

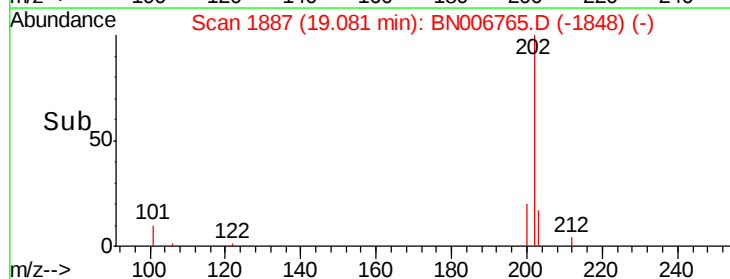
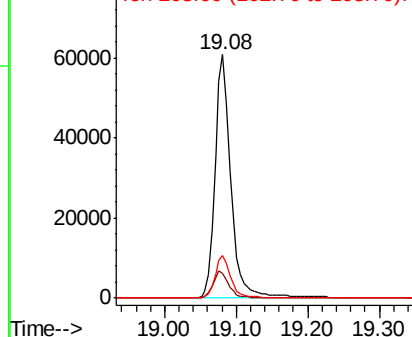
202 100

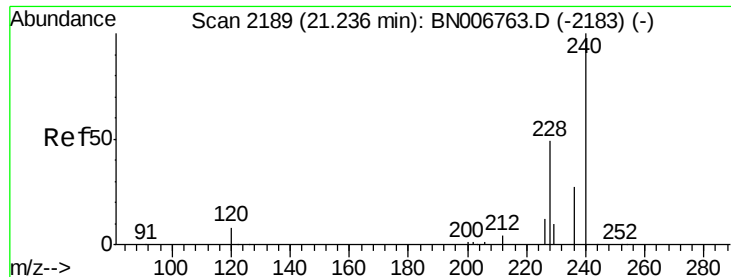
101 11.3 8.8 13.2

203 17.0 13.6 20.4



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

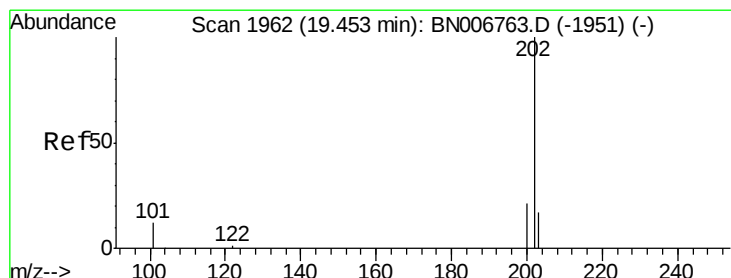
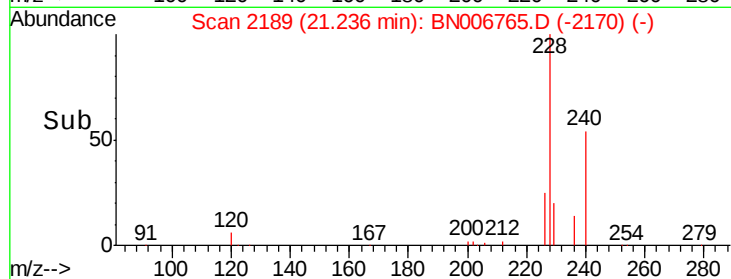
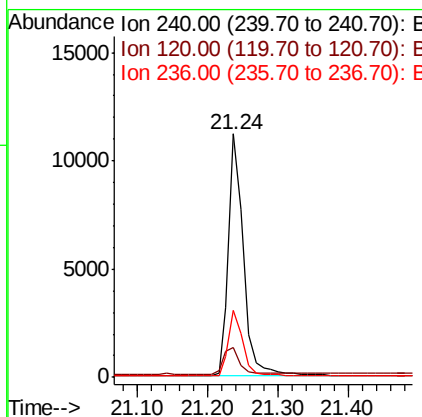
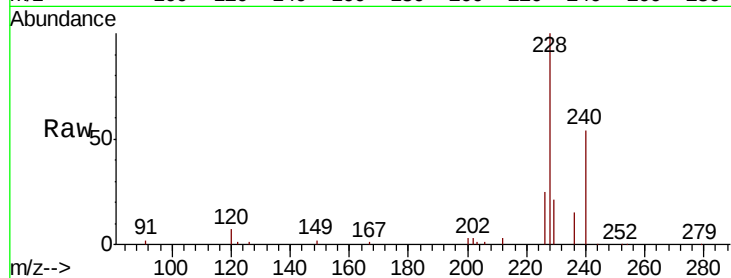




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.24 min Scan# 2189
 Delta R.T. 0.00 min
 Lab File: BN006765.D
 Acq: 09 Jul 2019 10:58

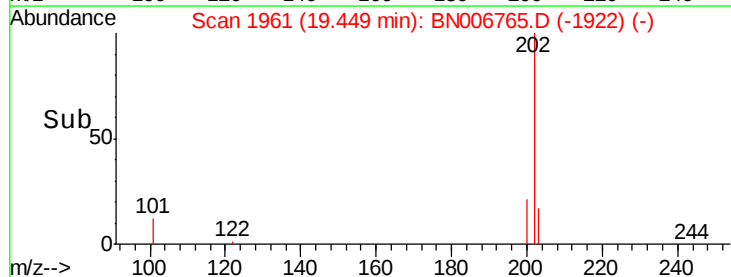
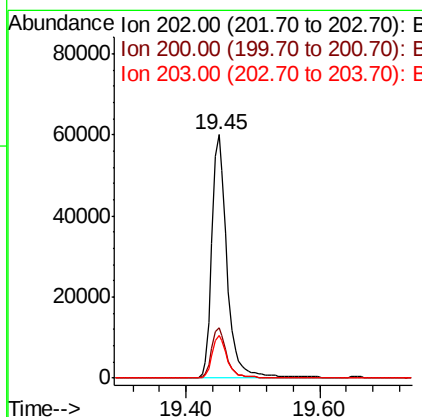
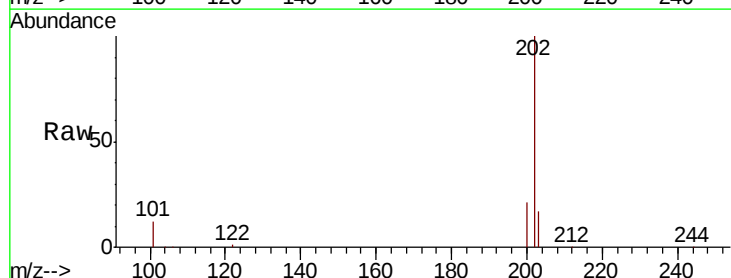
Instrument :
 BNA_N
 ClientSampleId :

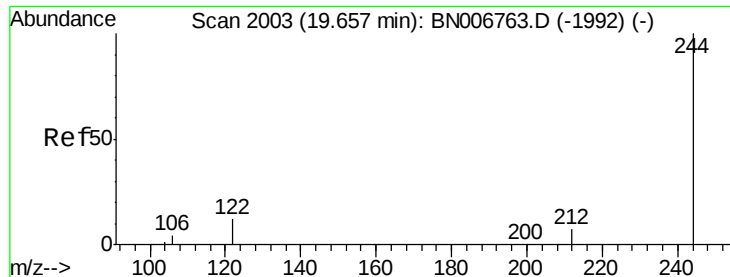
Tot Ion:240 Resp: 16732
 Ion Ratio Lower Upper
 240 100
 120 12.4 8.1 12.1#
 236 27.3 21.8 32.6



#28
 Pyrene
 Concen: 1.398 ng
 RT: 19.45 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: BN006765.D
 Acq: 09 Jul 2019 10:58

Tgt Ion:202 Resp: 93578
 Ion Ratio Lower Upper
 202 100
 200 20.8 16.7 25.1
 203 17.4 14.0 21.0





#29

Terphenyl-d14

Concen: 1.526 ng

RT: 19.66 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BN006765.D

Acq: 09 Jul 2019 10:58

Instrument :

BNA_N

ClientSampled :

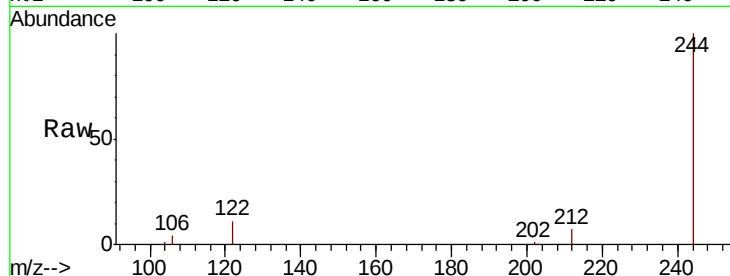
Tot Ion:244 Resp: 58787

Ion Ratio Lower Upper

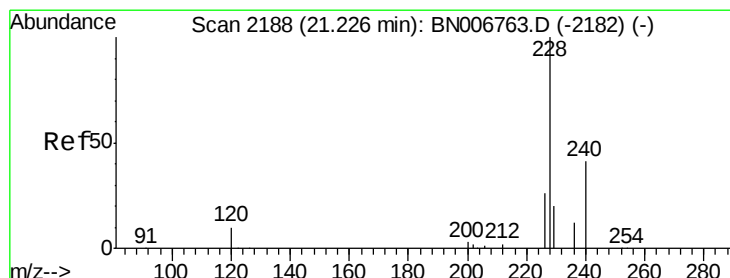
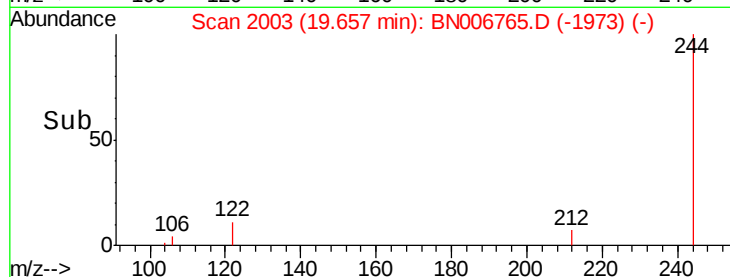
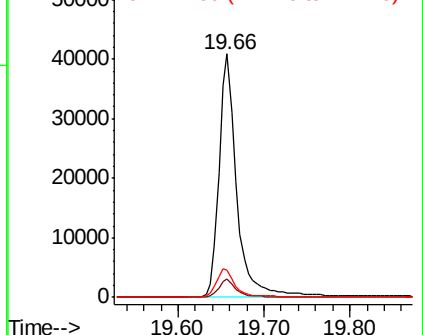
244 100

212 7.3 6.3 9.5

122 11.0 10.3 15.5



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: 1.451 ng

RT: 21.23 min Scan# 2188

Delta R.T. 0.00 min

Lab File: BN006765.D

Acq: 09 Jul 2019 10:58

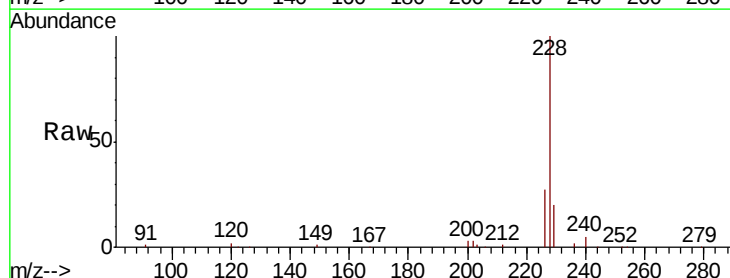
Tgt Ion:228 Resp: 83756

Ion Ratio Lower Upper

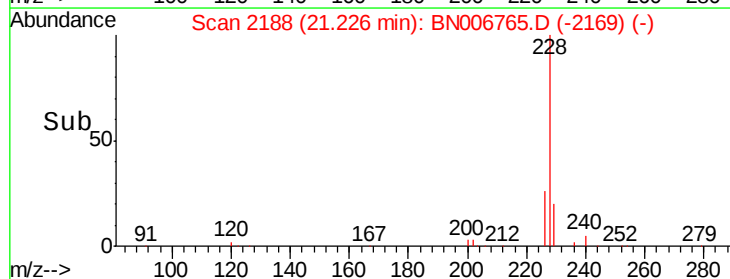
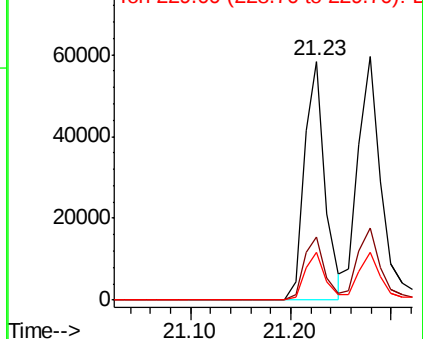
228 100

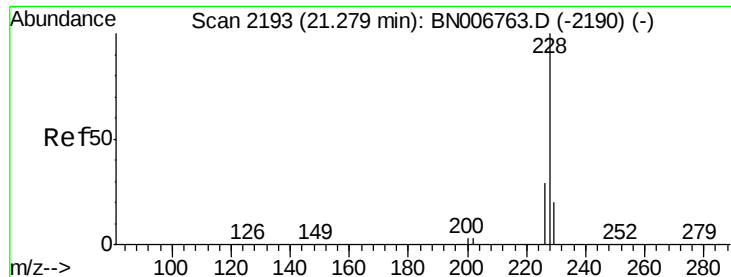
226 26.5 21.2 31.8

229 19.8 16.4 24.6



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





#31

Chrysene

Concen: 1.579 ng

RT: 21.28 min Scan# 2193

Delta R.T. 0.00 min

Lab File: BN006765.D

Acq: 09 Jul 2019 10:58

Instrument :

BNA_N

ClientSampled :

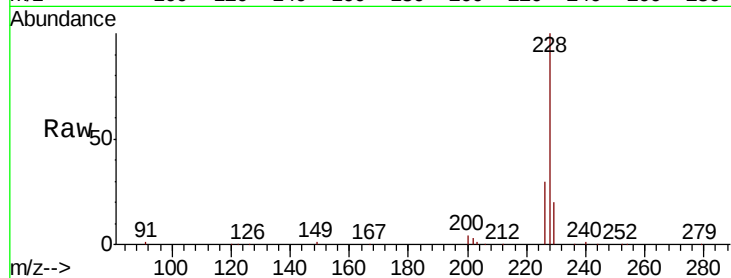
Tot Ion:228 Resp: 93894

Ion Ratio Lower Upper

228 100

226 29.6 23.5 35.3

229 19.7 16.0 24.0

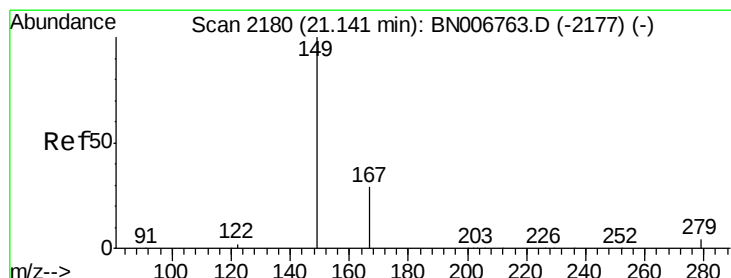
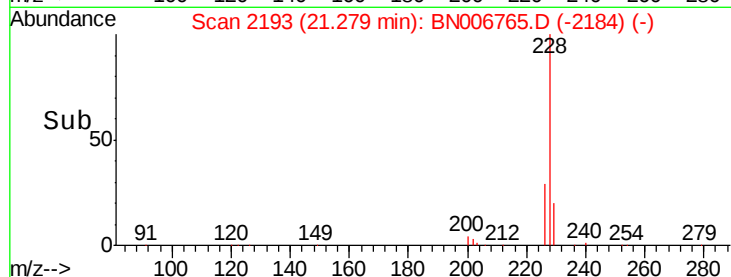
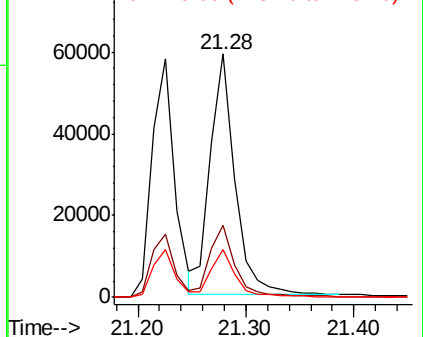


Abundance

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: 0.209 ng

RT: 21.14 min Scan# 2180

Delta R.T. 0.00 min

Lab File: BN006765.D

Acq: 09 Jul 2019 10:58

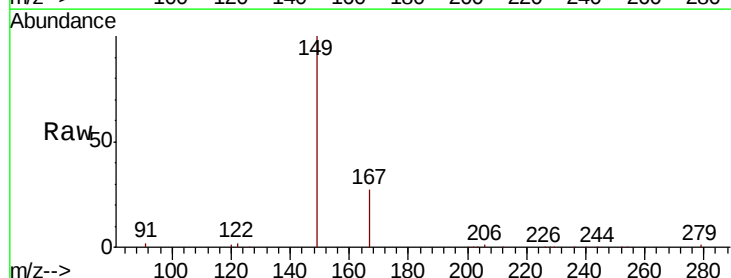
Tgt Ion:149 Resp: 35991

Ion Ratio Lower Upper

149 100

167 28.6 22.9 34.3

279 4.3 3.7 5.5

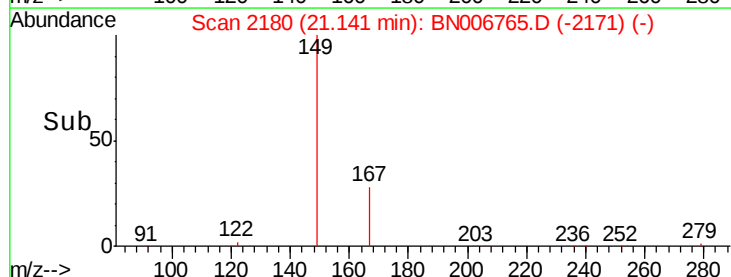
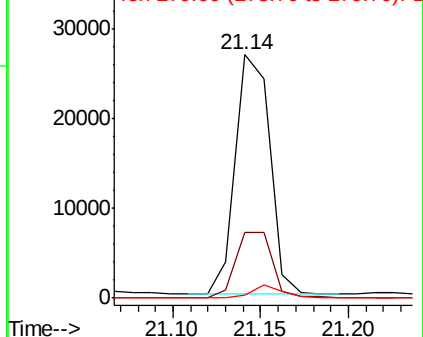


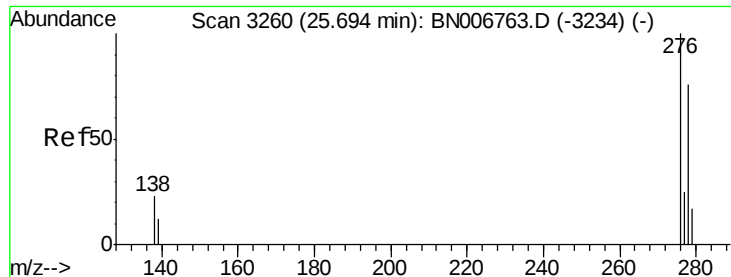
Abundance

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: 1.585 ng

RT: 25.70 min Scan# 3263

Delta R.T. 0.01 min

Lab File: BN006765.D

Acq: 09 Jul 2019 10:58

Instrument :

BNA_N

ClientSampleId :

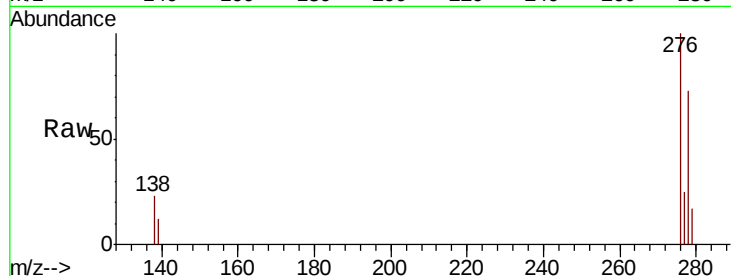
Tot Ion:276 Resp: 112722

Ion Ratio Lower Upper

276 100

138 22.4 17.9 26.9

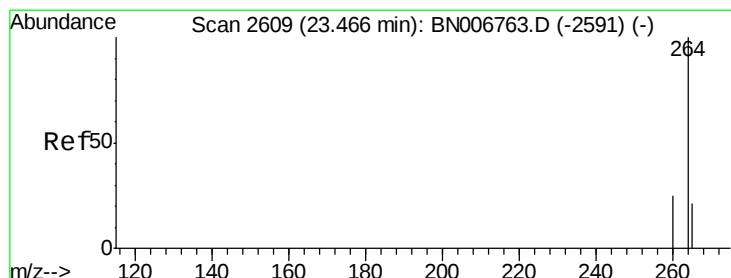
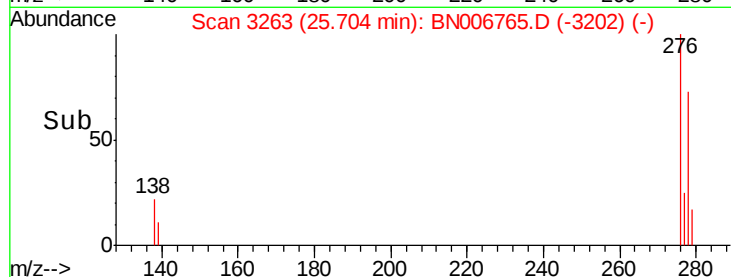
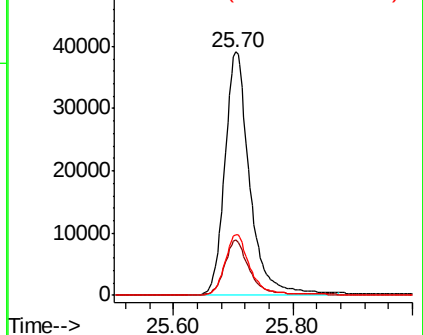
277 25.0 19.8 29.8



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: 23.49 min Scan# 2615

Delta R.T. 0.02 min

Lab File: BN006765.D

Acq: 09 Jul 2019 10:58

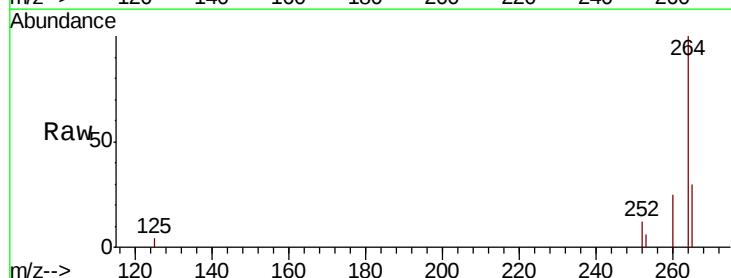
Tgt Ion:264 Resp: 17878

Ion Ratio Lower Upper

264 100

260 24.8 20.2 30.4

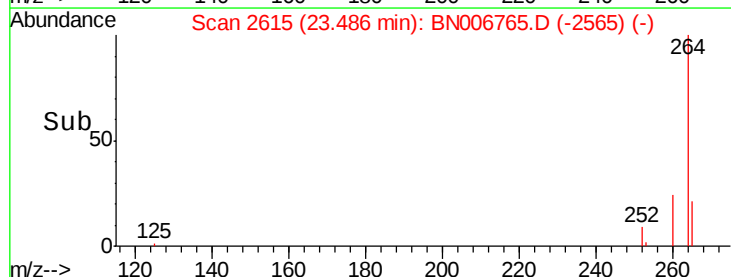
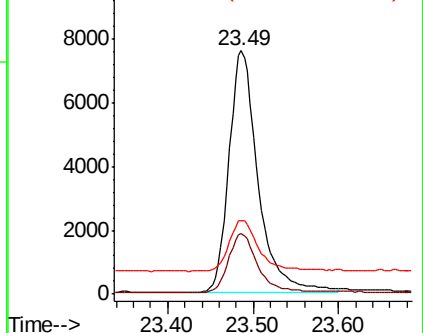
265 30.3 24.6 37.0

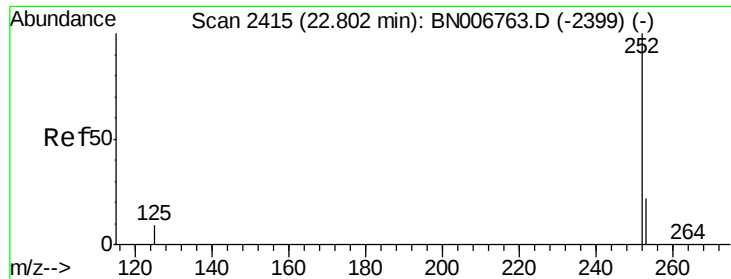


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 1.660 ng

RT: 22.81 min Scan# 2418

Delta R.T. 0.01 min

Lab File: BN006765.D

Acq: 09 Jul 2019 10:58

Instrument :

BNA_N

ClientSampleId :

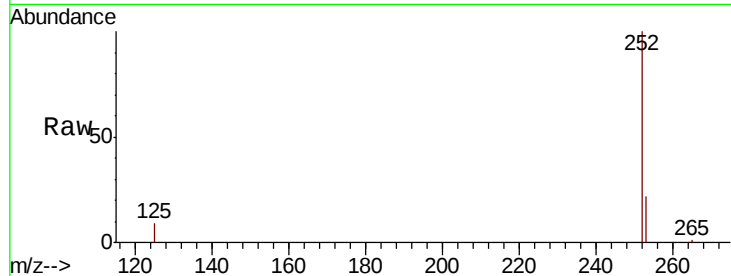
Tot Ion:252 Resp: 95274

Ion Ratio Lower Upper

252 100

253 22.2 18.9 28.3

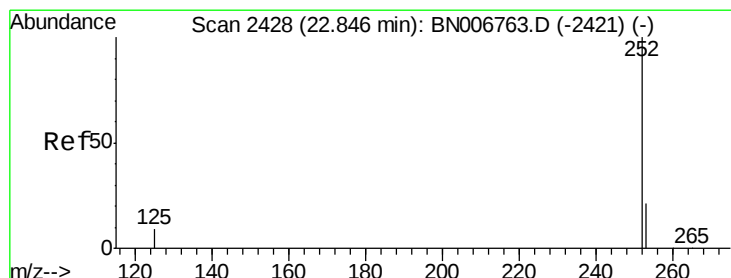
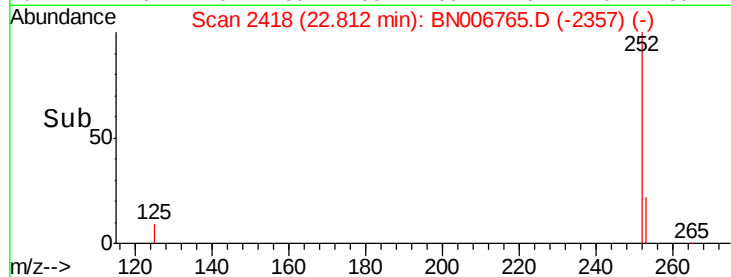
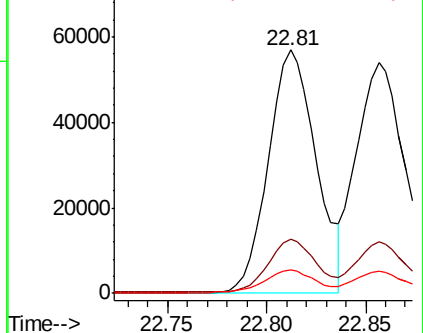
125 9.4 8.5 12.7



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: 1.641 ng

RT: 22.86 min Scan# 2431

Delta R.T. 0.01 min

Lab File: BN006765.D

Acq: 09 Jul 2019 10:58

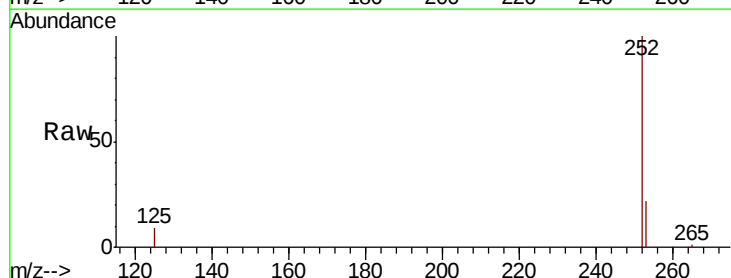
Tgt Ion:252 Resp: 102103

Ion Ratio Lower Upper

252 100

253 22.1 18.9 28.3

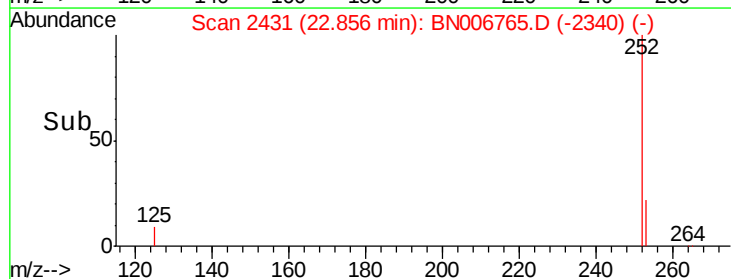
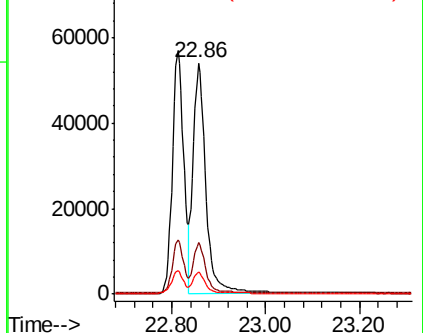
125 9.3 8.4 12.6

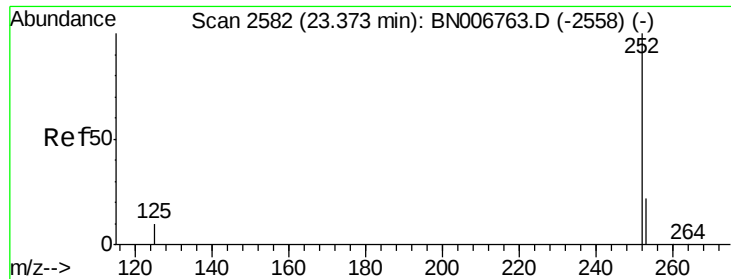


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 1.615 ng

RT: 23.38 min Scan# 2585

Delta R.T. 0.01 min

Lab File: BN006765.D

Acq: 09 Jul 2019 10:58

Instrument :

BNA_N

ClientSampled :

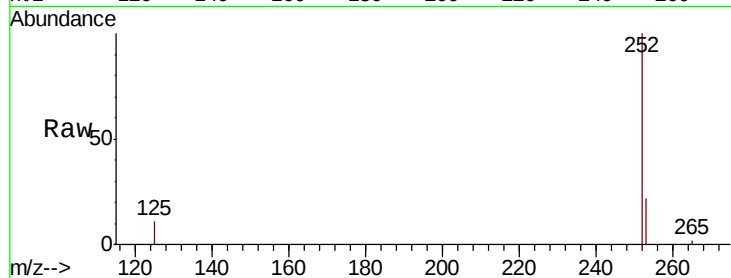
Tot Ion:252 Resp: 89775

Ion Ratio Lower Upper

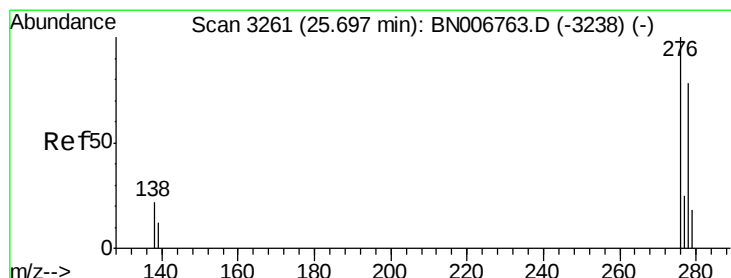
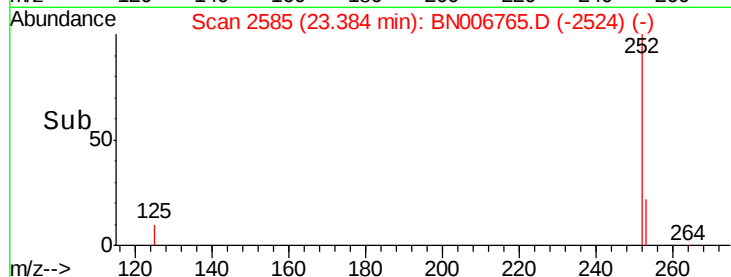
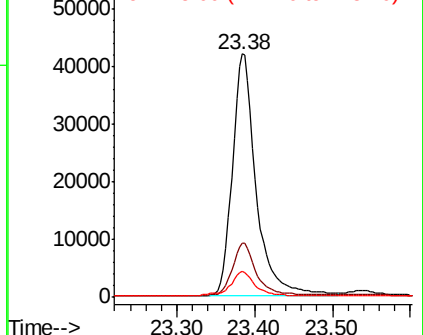
252 100

253 22.3 19.5 29.3

125 10.5 9.5 14.3



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: 1.638 ng

RT: 25.71 min Scan# 3264

Delta R.T. 0.01 min

Lab File: BN006765.D

Acq: 09 Jul 2019 10:58

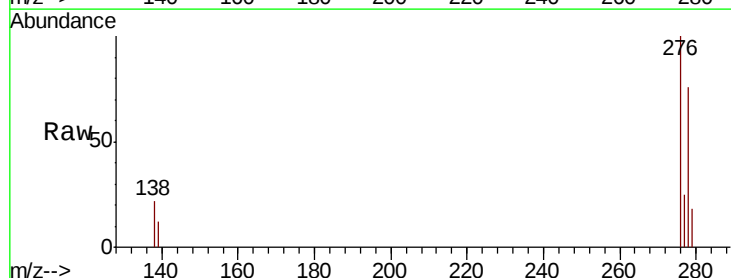
Tgt Ion:278 Resp: 90478

Ion Ratio Lower Upper

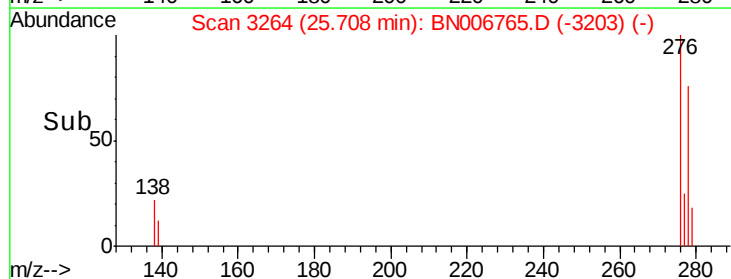
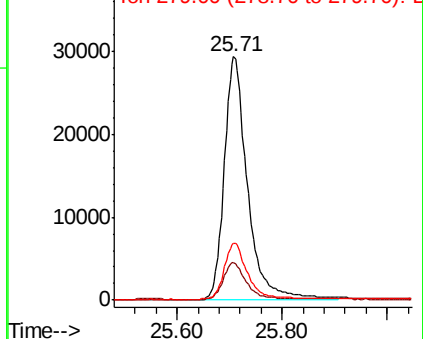
278 100

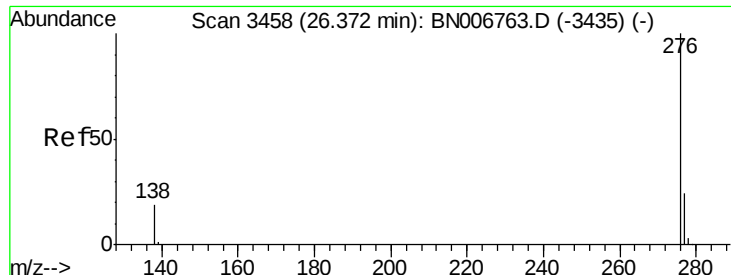
139 15.6 13.1 19.7

279 23.5 20.2 30.4



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: 1.637 ng

RT: 26.39 min Scan# 3463

Delta R.T. 0.02 min

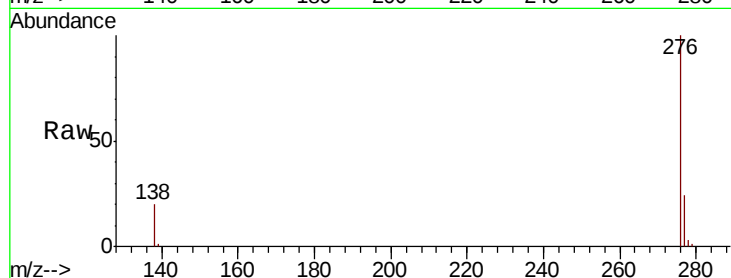
Lab File: BN006765.D

Acq: 09 Jul 2019 10:58

Instrument :

BNA_N

ClientSampleId :



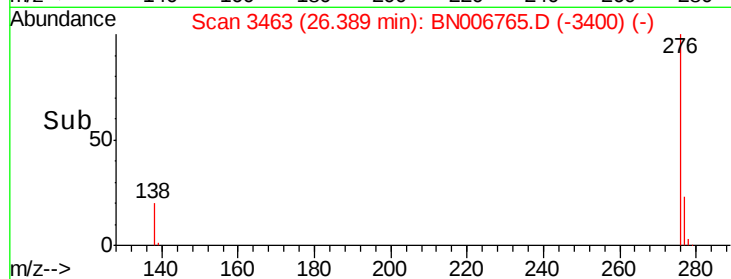
Tot Ion: 276 Resp: 93054

Ion Ratio Lower Upper

276 100

277 23.7 19.4 29.2

138 19.8 16.2 24.4



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

