

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032919\
 Data File : BN005029.D
 Acq On : 29 Mar 2019 11:43
 Operator : JU/SJ
 Sample : K1825-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WP

Quant Time: Mar 29 23:48:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 29 03:42:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	13263	0.40	ng	0.00
7) Naphthalene-d8	10.44	136	13481	0.40	ng	0.00
13) Acenaphthene-d10	14.30	164	7420	0.40	ng	0.00
19) Phenanthrene-d10	17.06	188	16181	0.40	ng	0.00
27) Chrysene-d12	21.26	240	16170	0.40	ng	0.00
34) Perylene-d12	23.49	264	13004	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	1307149	39.48	ng	0.00
5) Phenol-d6	6.84	99	1742411	44.44	ng	0.00
8) Nitrobenzene-d5	8.82	82	1046887	133.99	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	3	0.00	ng	0.00
14) 2,4,6-Tribromophenol	15.80	330	786008	188.86	ng	-0.01
15) 2-Fluorobiphenyl	12.92	172	2940313	104.95	ng	0.00
25) Fluoranthene-d10	19.09	212	23	0.00	ng	0.00
29) Terphenyl-d14	19.70	244	3802457	114.43	ng	0.00

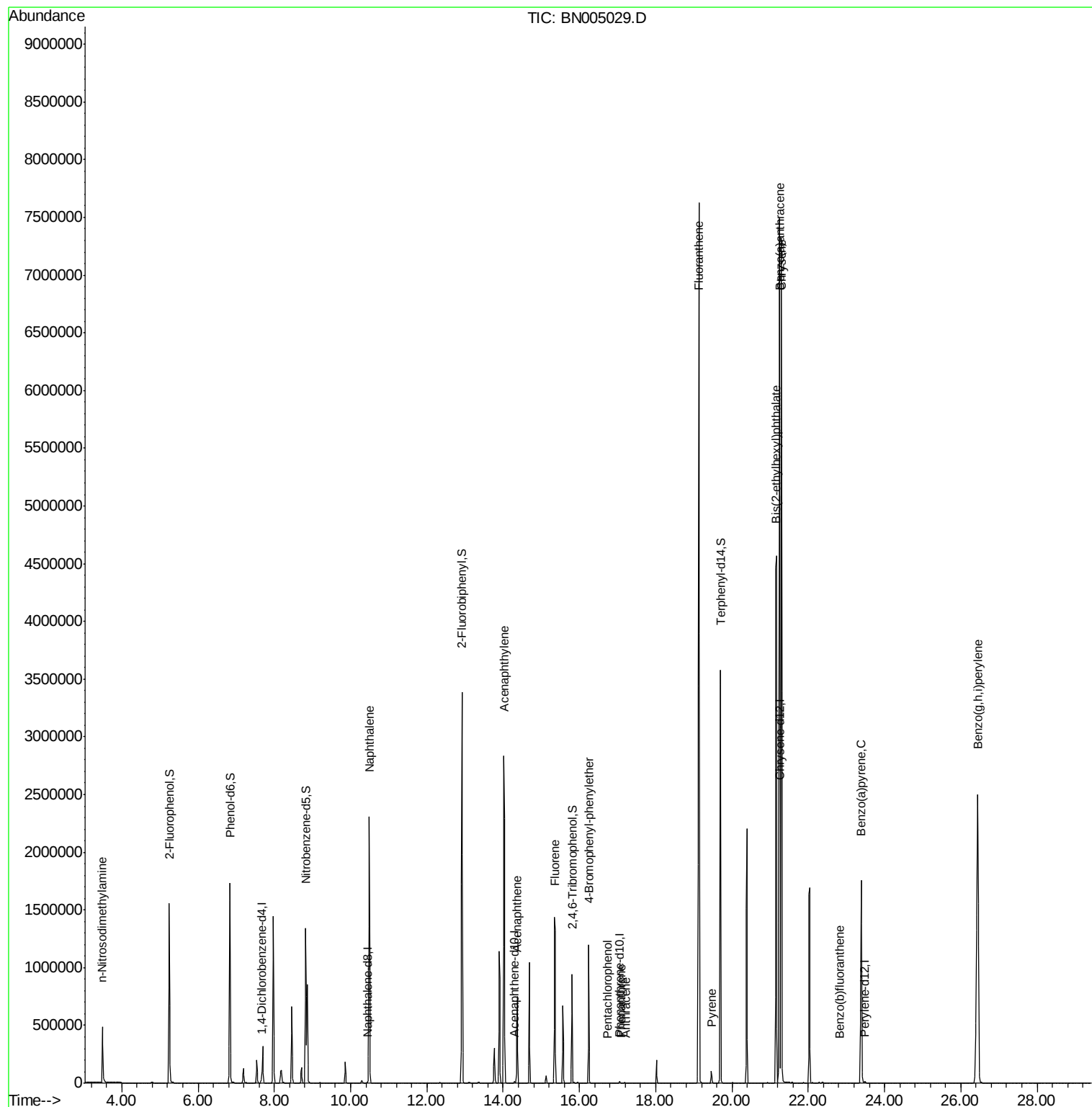
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.50	42	216004	24.818	ng	# 96
9) Naphthalene	10.49	128	2858752	84.357	ng	99
16) Acenaphthylene	14.02	152	3299541	94.206	ng	99
17) Acenaphthene	14.37	154	372561	16.751	ng	98
18) Fluorene	15.36	166	627	0.021	ng	# 1
20) 4-Bromophenyl-phenylether	16.25	248	652250	70.401	ng	# 90
22) Pentachlorophenol	16.73	266	67	0.122	ng	# 47
23) Phenanthrene	17.10	178	1858	0.041	ng	98
24) Anthracene	17.21	178	1024	0.025	ng	97
26) Fluoranthene	19.13	202	7475408	134.739	ng	97
28) Pyrene	19.46	202	44144	0.961	ng	# 1
30) Benzo(a)anthracene	21.25	228	6564637	143.973	ng	95
31) Chrysene	21.30	228	6074662	123.577	ng	94
32) Bis(2-ethylhexyl)phthalate	21.15	149	4678776	245.035	ng	94
35) Benzo(b)fluoranthene	22.82	252	834	0.020	ng	# 20
37) Benzo(a)pyrene	23.39	252	2387876	64.417	ng	95
39) Benzo(g,h,i)perylene	26.45	276	5645238	151.139	ng	99

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

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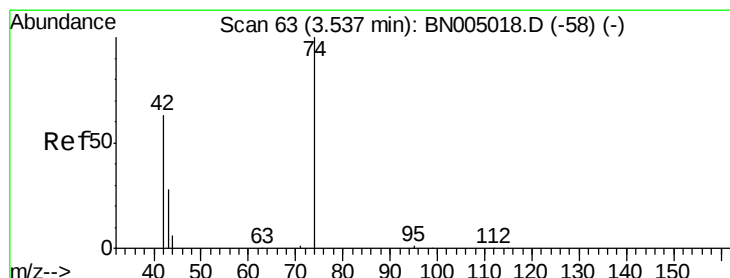
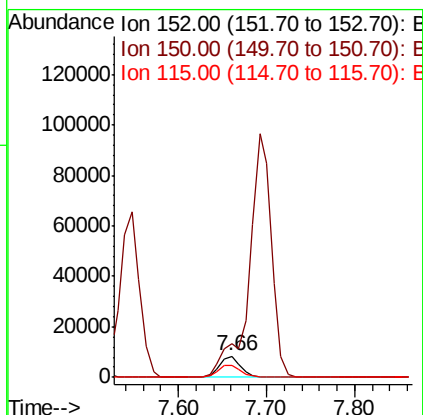
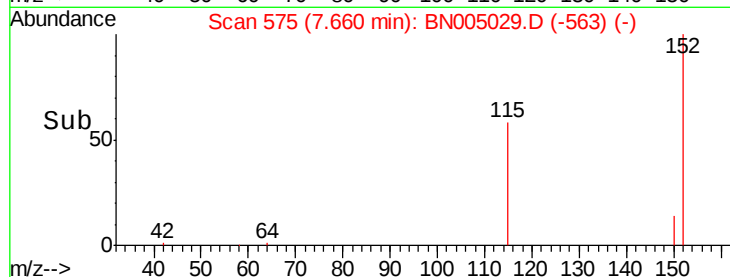
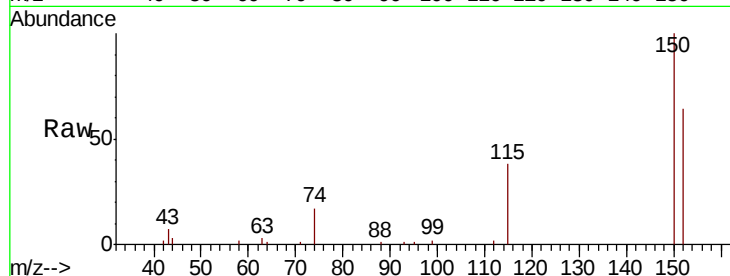


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.66 min Scan# 575
Delta R.T. -0.00 min
Lab File: BN005029.D
Acq: 29 Mar 2019 11:43

Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

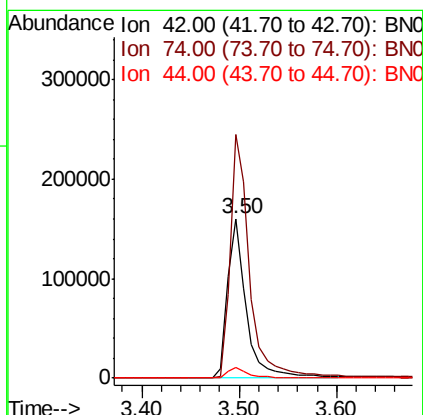
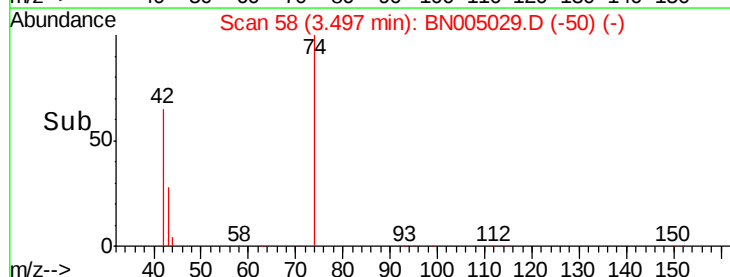
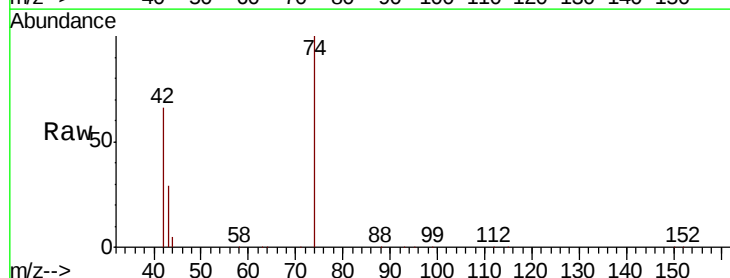
Tgt Ion:152 Resp: 13263
Ion Ratio Lower Upper
152 100
150 156.6 123.4 185.2
115 58.8 50.0 75.0

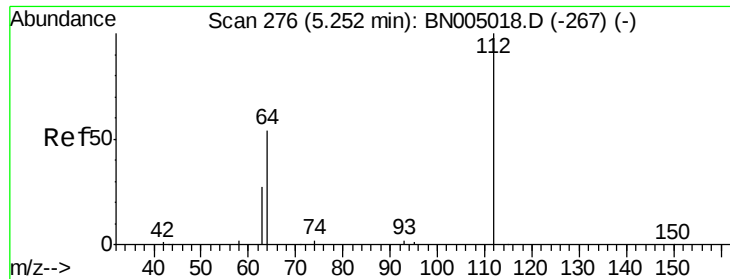


#3

n-Nitrosodimethylamine
Concen: 24.818 ng
RT: 3.50 min Scan# 58
Delta R.T. -0.04 min
Lab File: BN005029.D
Acq: 29 Mar 2019 11:43

Tgt Ion: 42 Resp: 216004
Ion Ratio Lower Upper
42 100
74 157.9 129.1 193.7
44 6.5 11.6 17.4#





#4

2-Fluorophenol

Concen: 39.478 ng

RT: 5.25 min Scan# 276

Delta R.T. -0.00 min

Lab File: BN005029.D

Acq: 29 Mar 2019 11:43

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP

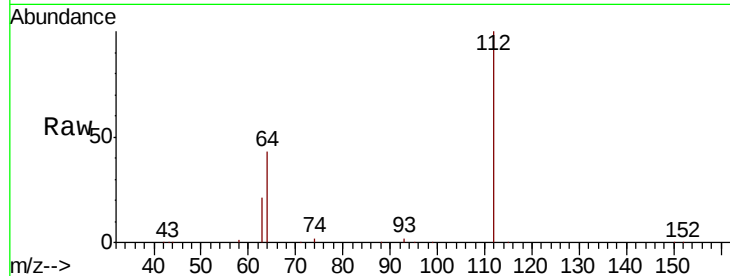
Tgt Ion: 112 Resp: 1307149

Ion Ratio Lower Upper

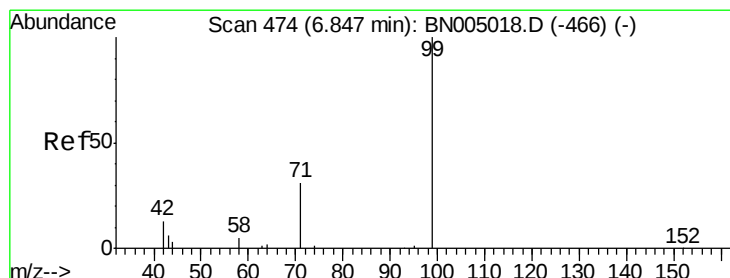
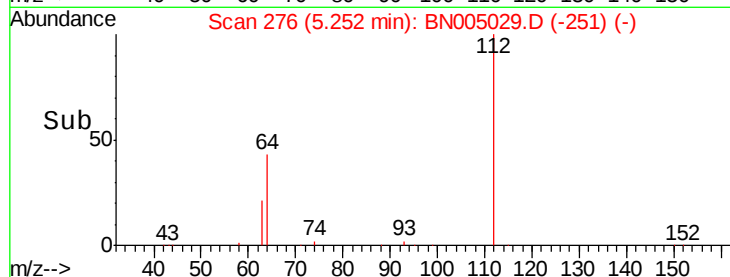
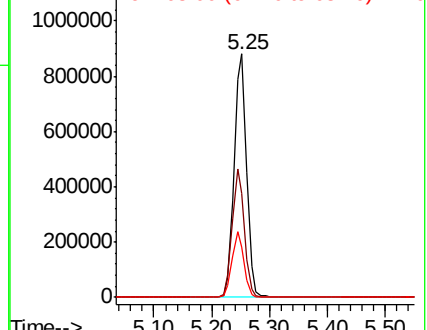
112 100

64 51.9 41.9 62.9

63 26.0 21.5 32.3



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: 44.435 ng

RT: 6.84 min Scan# 473

Delta R.T. -0.01 min

Lab File: BN005029.D

Acq: 29 Mar 2019 11:43

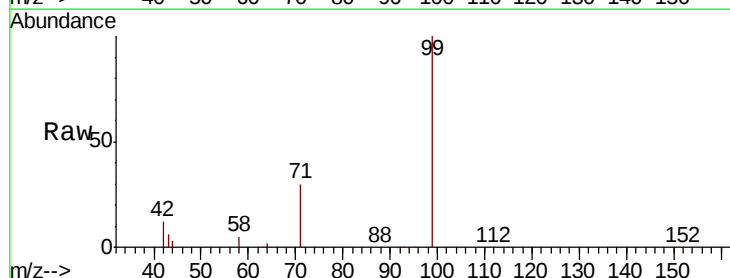
Tgt Ion: 99 Resp: 1742411

Ion Ratio Lower Upper

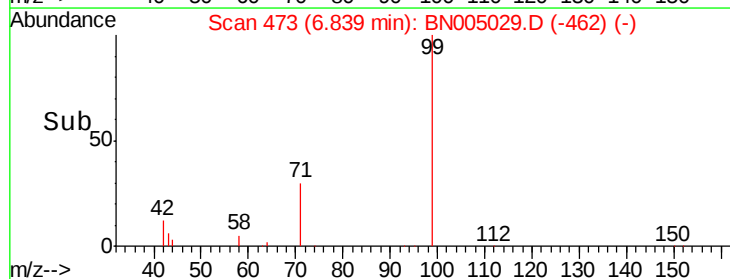
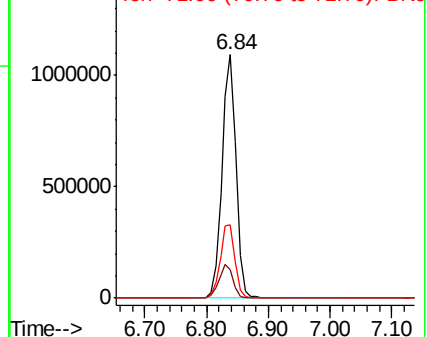
99 100

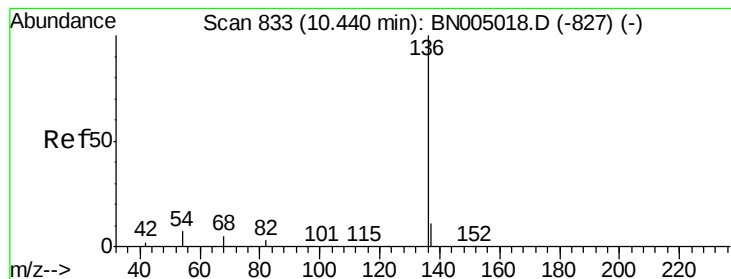
42 14.3 12.2 18.2

71 32.0 26.1 39.1



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





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.44 min Scan# 833

Delta R.T. -0.00 min

Lab File: BN005029.D

Acq: 29 Mar 2019 11:43

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP

Tgt Ion:136 Resp: 13481

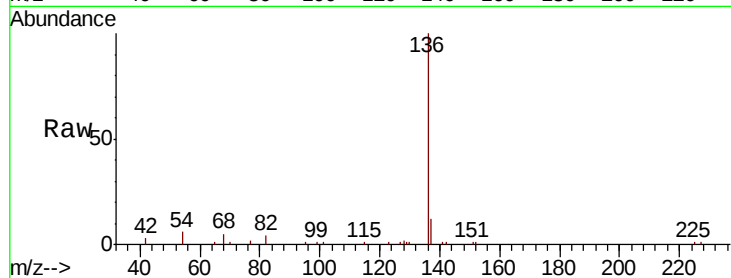
Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

54 6.0 6.0 9.0

68 5.1 5.0 7.6

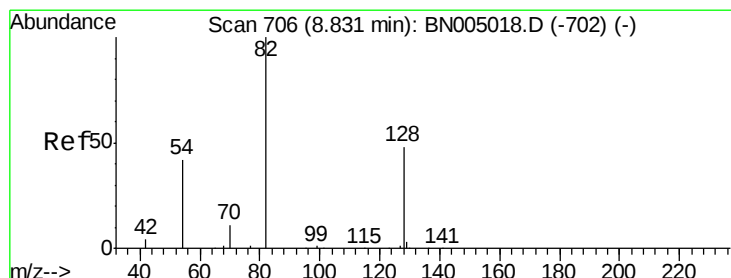
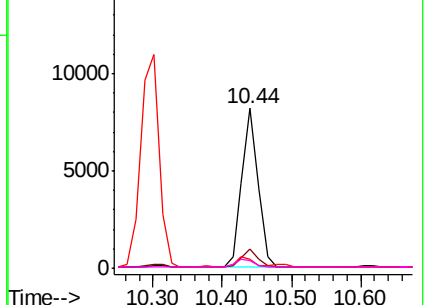
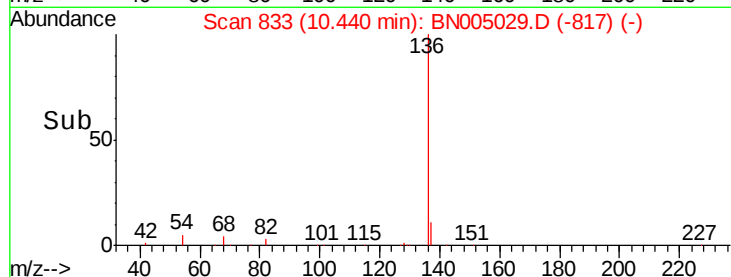


Abundance Ion 136.00 (135.70 to 136.70): E

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: 133.987 ng

RT: 8.82 min Scan# 705

Delta R.T. -0.01 min

Lab File: BN005029.D

Acq: 29 Mar 2019 11:43

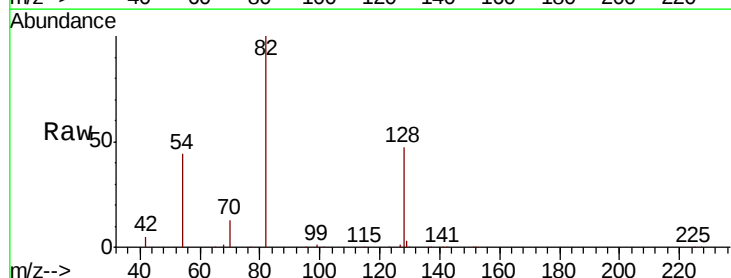
Tgt Ion: 82 Resp: 1046887

Ion Ratio Lower Upper

82 100

128 47.4 40.5 60.7

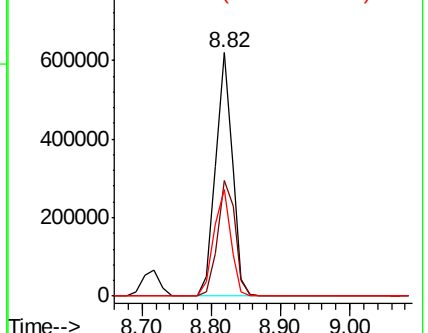
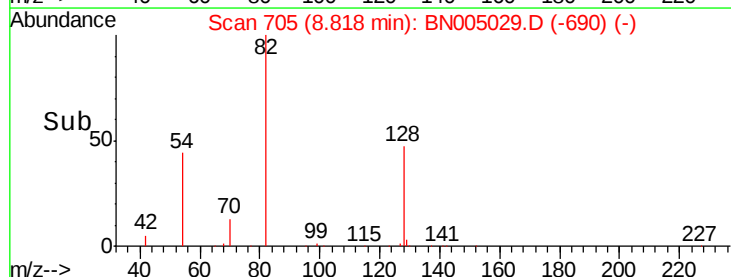
54 44.0 35.7 53.5

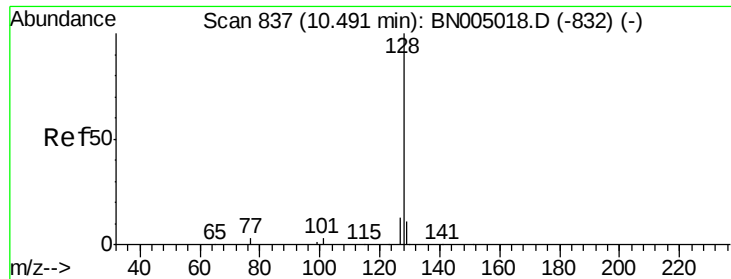


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

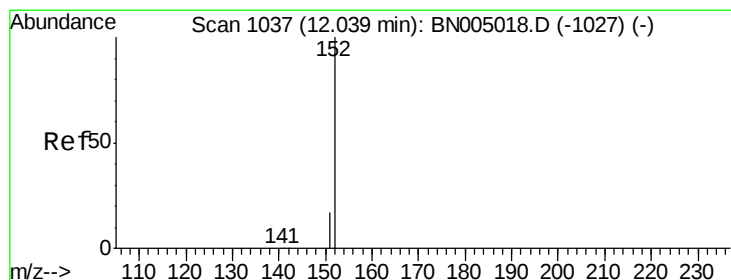
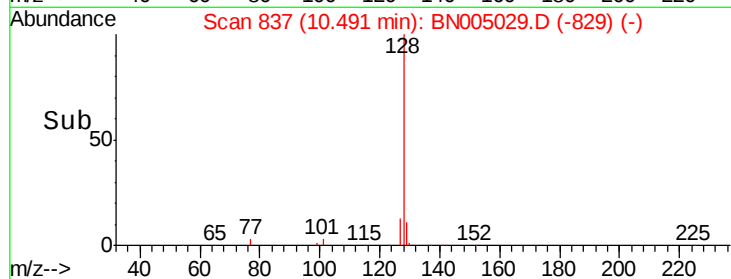
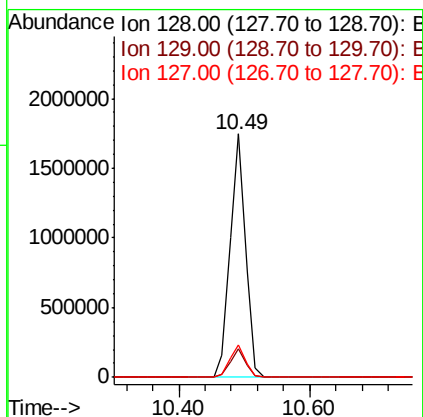
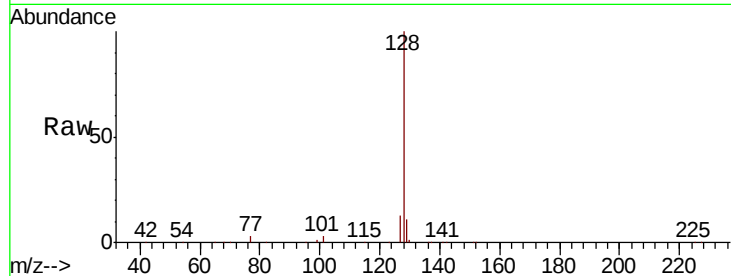




#9
Naphthalene
Concen: 84.357 ng
RT: 10.49 min Scan# 837
Delta R.T. -0.00 min
Lab File: BN005029.D
Acq: 29 Mar 2019 11:43

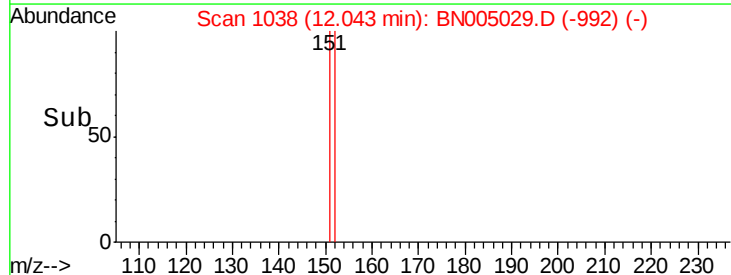
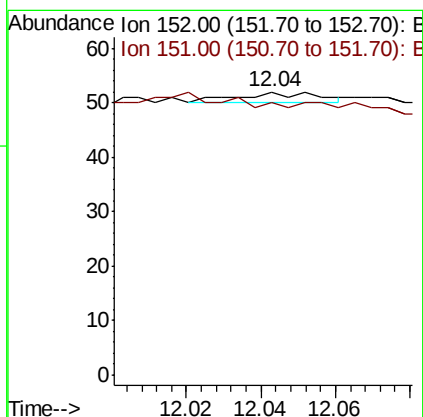
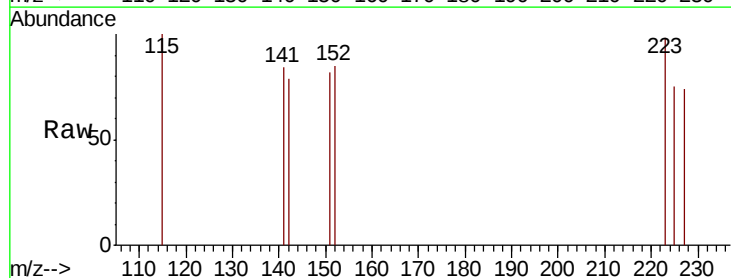
Instrument :
BNA_N
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PT-BN-WP

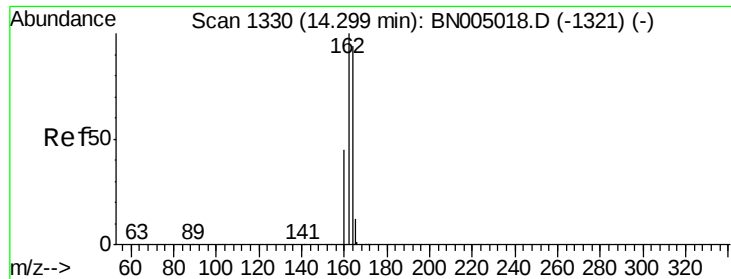
Tgt Ion:128 Resp: 2858752
Ion Ratio Lower Upper
128 100
129 11.5 9.4 14.2
127 13.3 11.0 16.6



#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
RT: 12.04 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BN005029.D
Acq: 29 Mar 2019 11:43

Tgt Ion:152 Resp: 3
Ion Ratio Lower Upper
152 100
151 0.0 15.3 22.9#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.30 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BN005029.D

Acq: 29 Mar 2019 11:43

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP

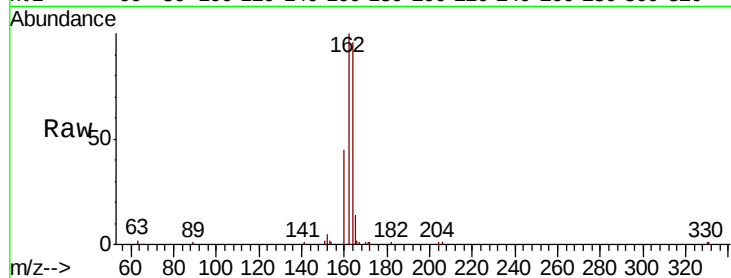
Tgt Ion:164 Resp: 7420

Ion Ratio Lower Upper

164 100

162 104.1 85.3 127.9

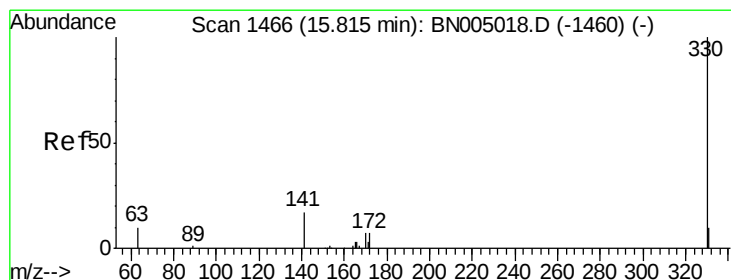
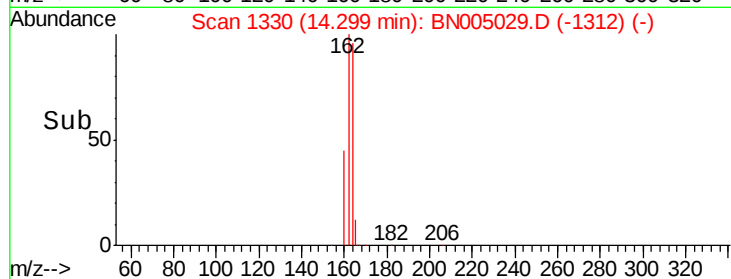
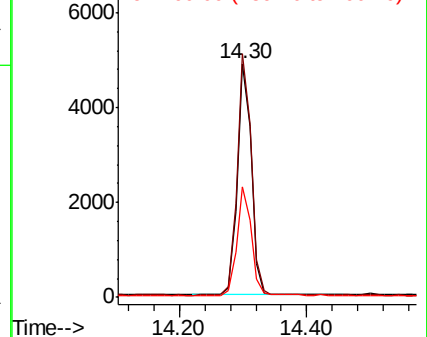
160 47.3 39.2 58.8



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: 188.861 ng

RT: 15.80 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BN005029.D

Acq: 29 Mar 2019 11:43

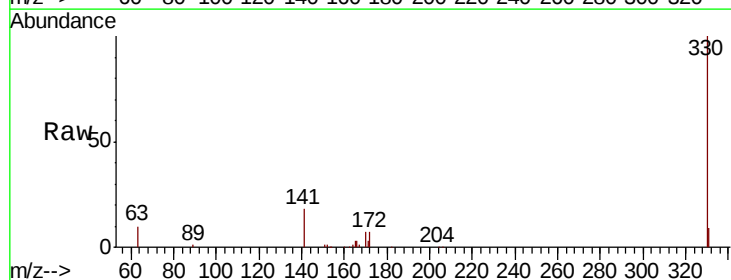
Tgt Ion:330 Resp: 786008

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

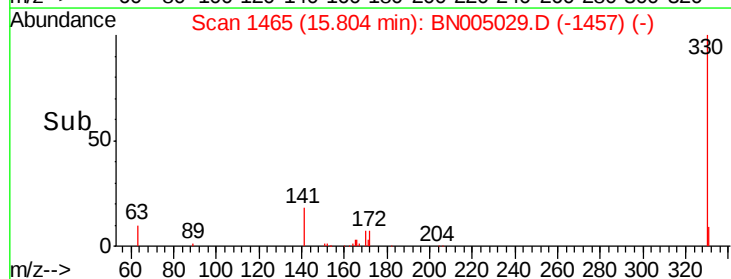
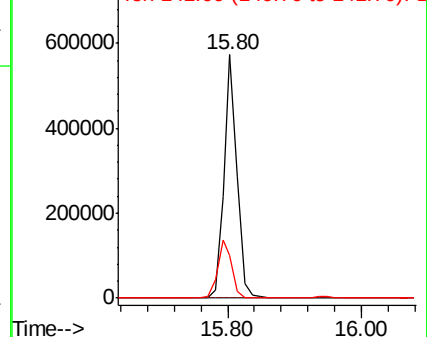
141 25.9 21.3 31.9

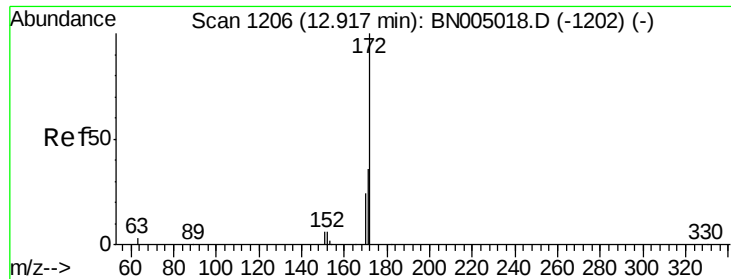


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

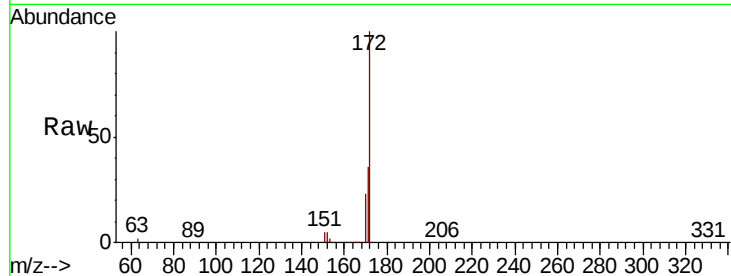




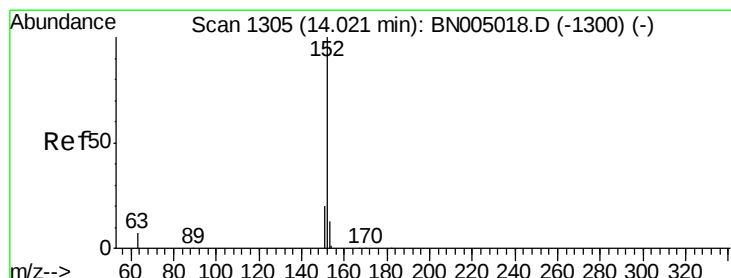
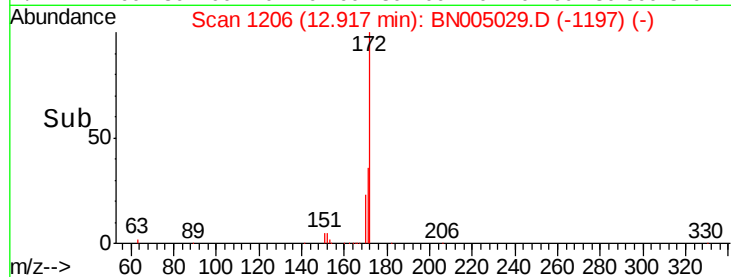
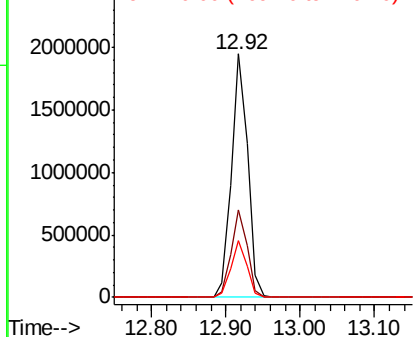
#15
 2-Fluorobiphenyl
 Concen: 104.955 ng
 RT: 12.92 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: BN005029.D
 Acq: 29 Mar 2019 11:43

Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WP

Tgt Ion:172 Resp: 2940313
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.4 44.0
 170 23.3 20.0 30.0

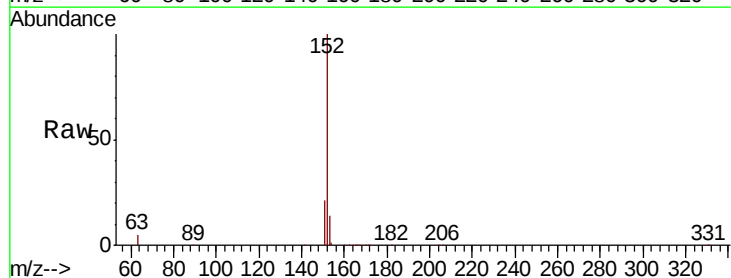


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

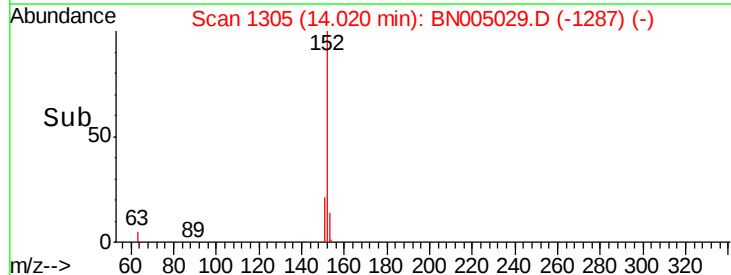
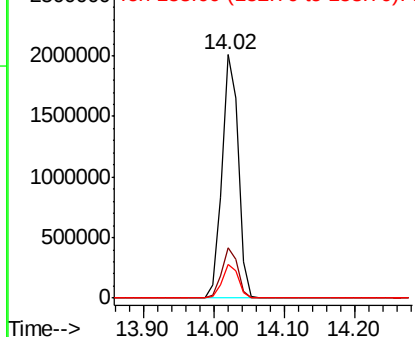


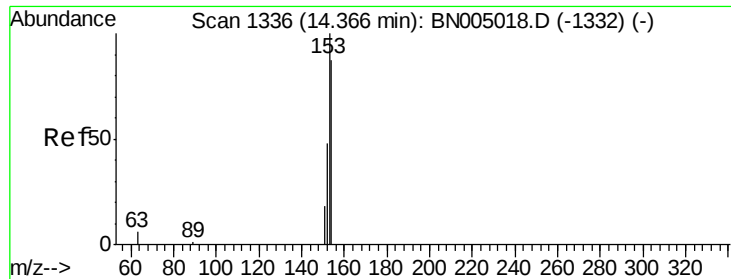
#16
 Acenaphthylene
 Concen: 94.206 ng
 RT: 14.02 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: BN005029.D
 Acq: 29 Mar 2019 11:43

Tgt Ion:152 Resp: 3299541
 Ion Ratio Lower Upper
 152 100
 151 20.2 15.8 23.6
 153 13.7 10.6 15.8



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 16.751 ng

RT: 14.37 min Scan# 1336

Delta R.T. -0.00 min

Lab File: BN005029.D

Acq: 29 Mar 2019 11:43

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP

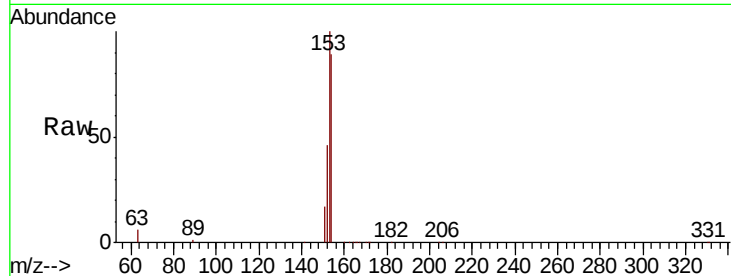
Tgt Ion:154 Resp: 372561

Ion Ratio Lower Upper

154 100

153 113.4 92.1 138.1

152 53.1 44.2 66.2

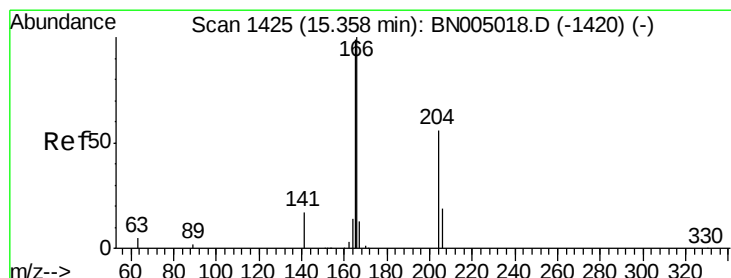
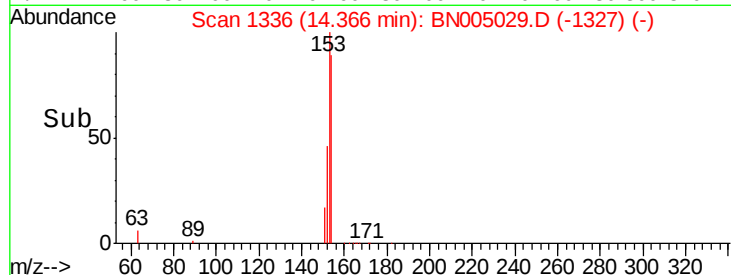
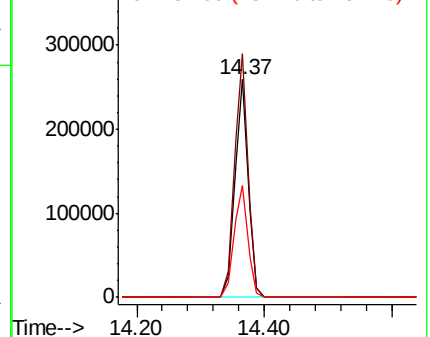


Abundance

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: 0.021 ng

RT: 15.36 min Scan# 1425

Delta R.T. -0.00 min

Lab File: BN005029.D

Acq: 29 Mar 2019 11:43

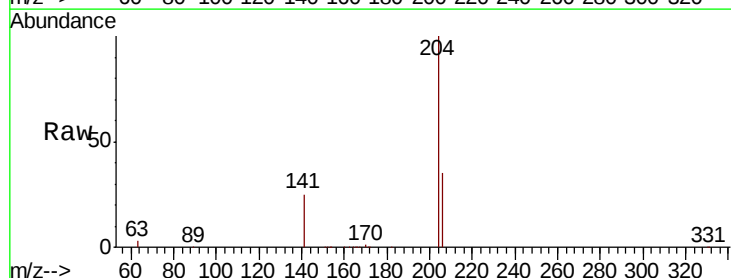
Tgt Ion:166 Resp: 627

Ion Ratio Lower Upper

166 100

165 221.4 78.7 118.1#

167 831.7 10.9 16.3#

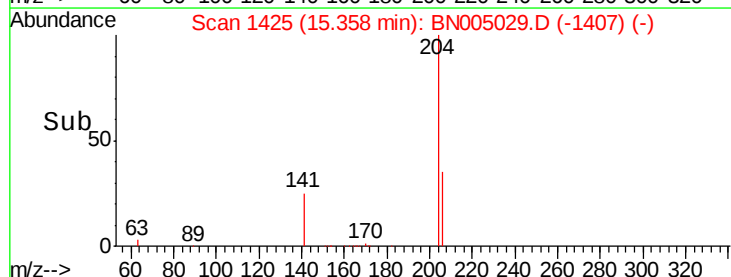
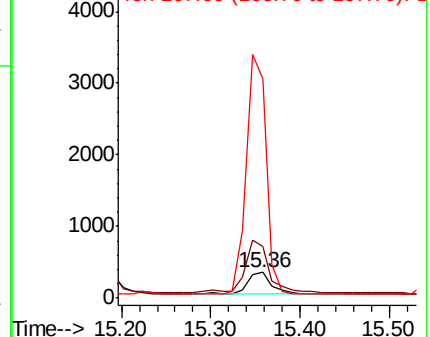


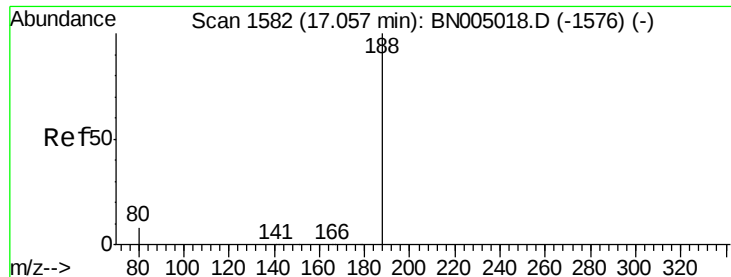
Abundance

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: 17.06 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BN005029.D

Acq: 29 Mar 2019 11:43

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP

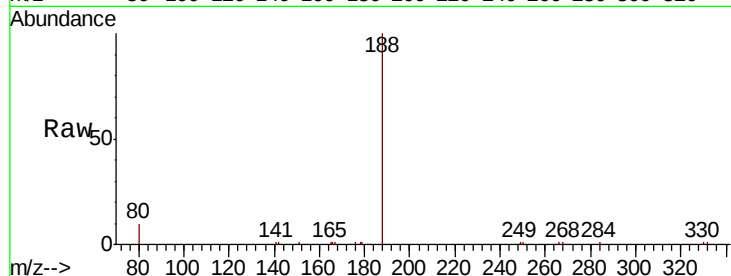
Tgt Ion:188 Resp: 16181

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

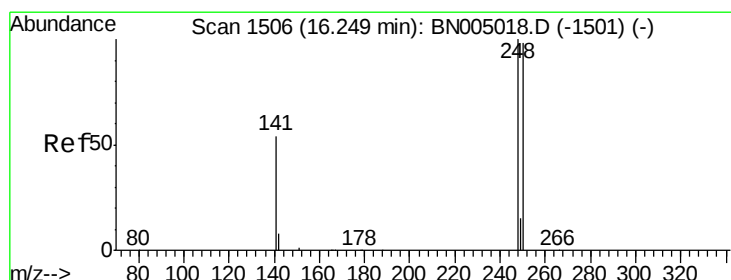
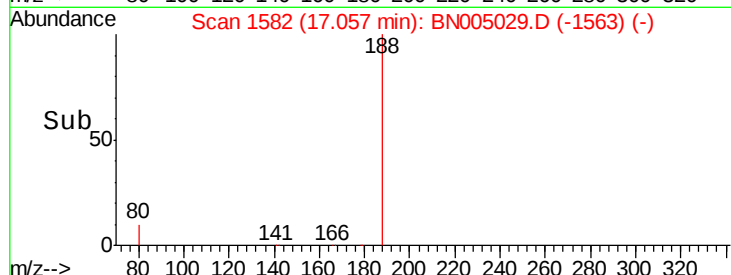
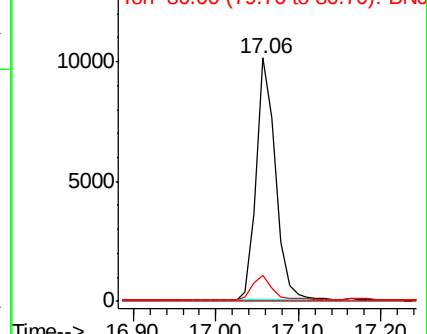
80 10.5 6.9 10.3#



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: 70.401 ng

RT: 16.25 min Scan# 1506

Delta R.T. -0.00 min

Lab File: BN005029.D

Acq: 29 Mar 2019 11:43

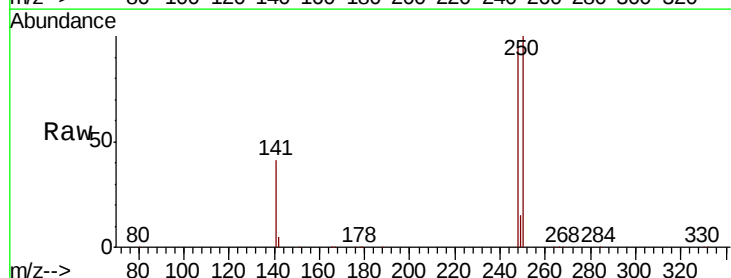
Tgt Ion:248 Resp: 652250

Ion Ratio Lower Upper

248 100

250 104.7 78.6 117.8

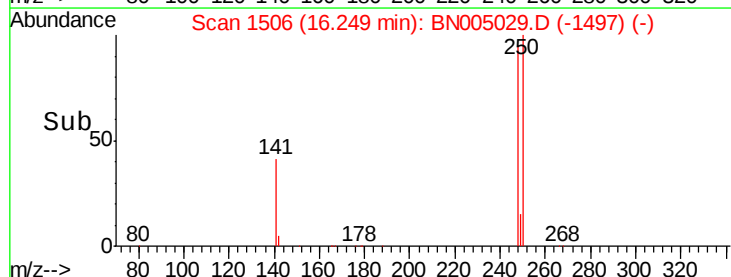
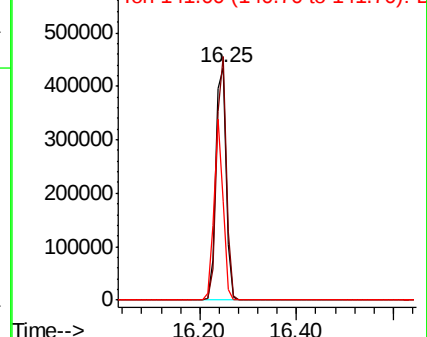
141 42.6 43.6 65.4#

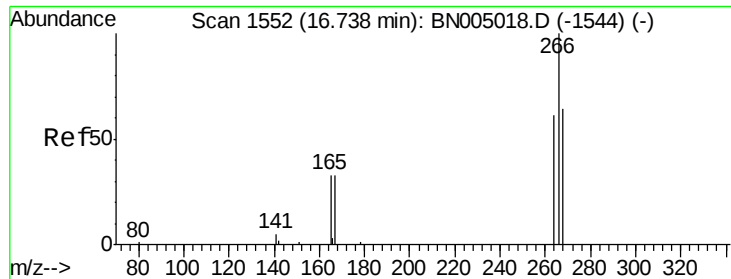


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

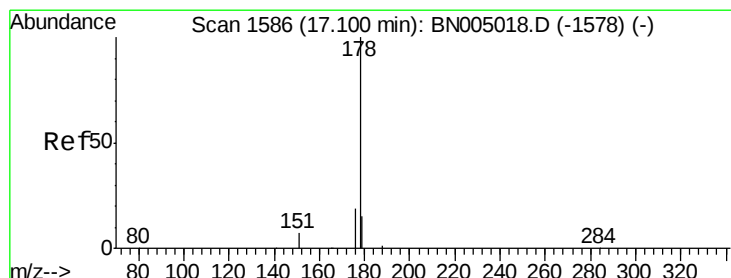
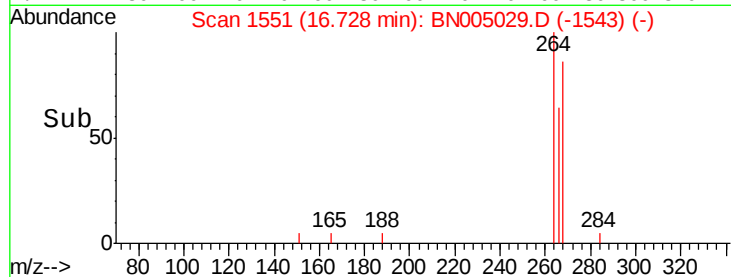
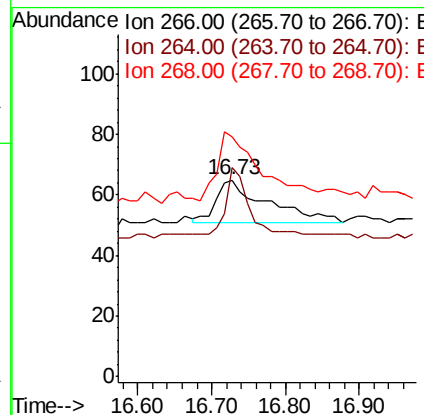
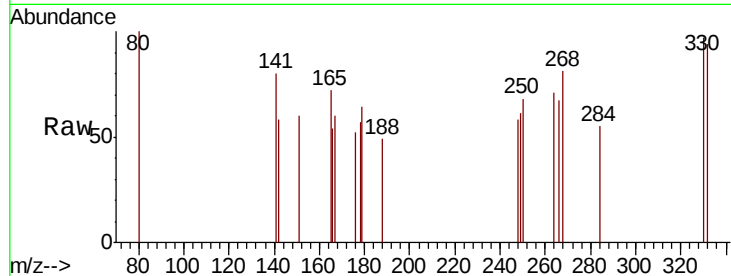




#22
 Pentachlorophenol
 Concen: 0.122 ng
 RT: 16.73 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BN005029.D
 Acq: 29 Mar 2019 11:43

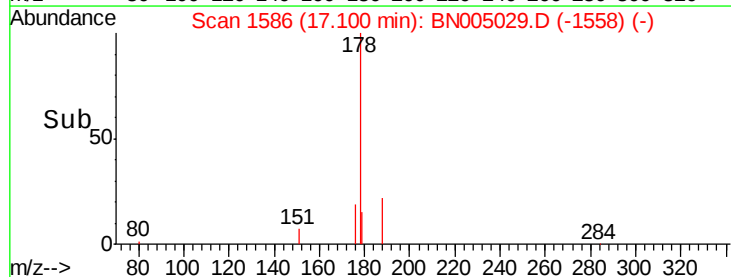
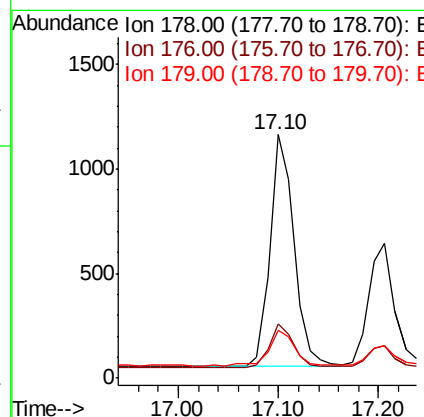
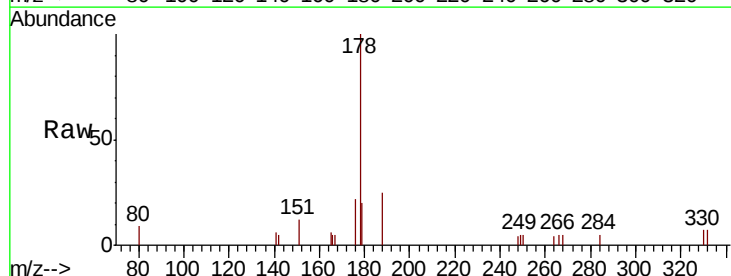
Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WP

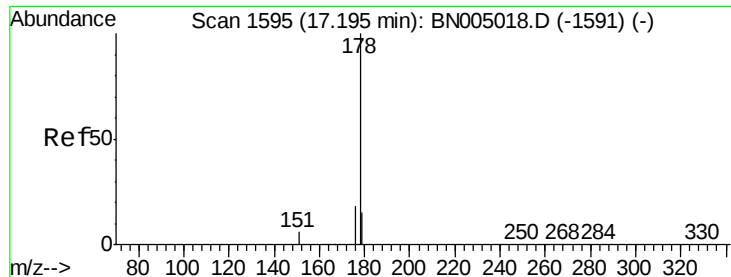
Tgt Ion:266 Resp: 67
 Ion Ratio Lower Upper
 266 100
 264 106.2 53.4 80.0#
 268 121.5 58.9 88.3#



#23
 Phenanthrene
 Concen: 0.041 ng
 RT: 17.10 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BN005029.D
 Acq: 29 Mar 2019 11:43

Tgt Ion:178 Resp: 1858
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.1 22.7
 179 16.6 12.2 18.2





#24

Anthracene

Concen: 0.025 ng

RT: 17.21 min Scan# 1596

Delta R.T. 0.01 min

Lab File: BN005029.D

Acq: 29 Mar 2019 11:43

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP

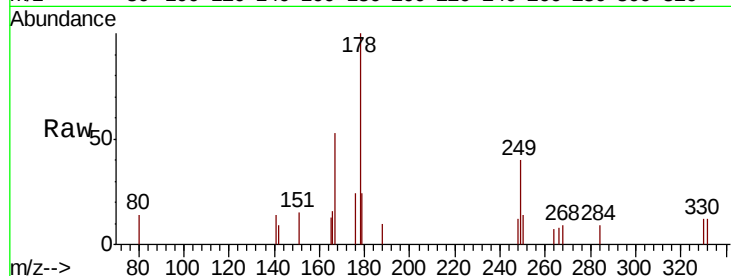
Tgt Ion:178 Resp: 1024

Ion Ratio Lower Upper

178 100

176 19.8 14.6 22.0

179 16.1 12.3 18.5



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

17.21

600

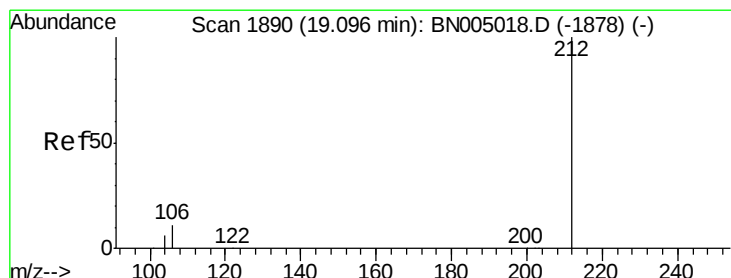
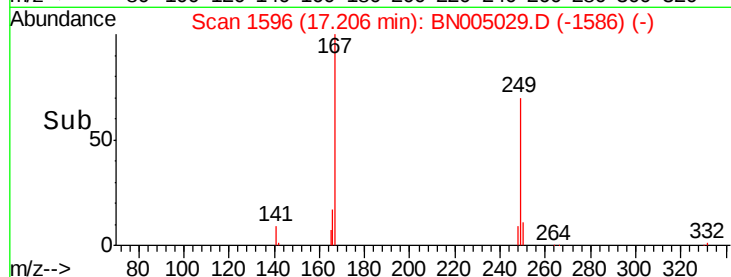
400

200

0

Time-->

17.15 17.20 17.25



#25

Fluoranthene-d10

Concen: 0.000 ng

RT: 19.09 min Scan# 1889

Delta R.T. -0.01 min

Lab File: BN005029.D

Acq: 29 Mar 2019 11:43

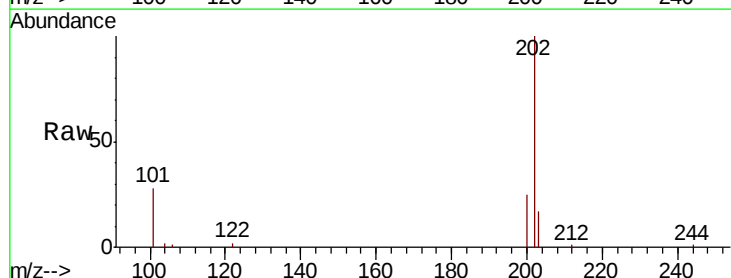
Tgt Ion:212 Resp: 23

Ion Ratio Lower Upper

212 100

106 26.1 9.4 14.2#

104 134.8 5.4 8.0#



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

19.09

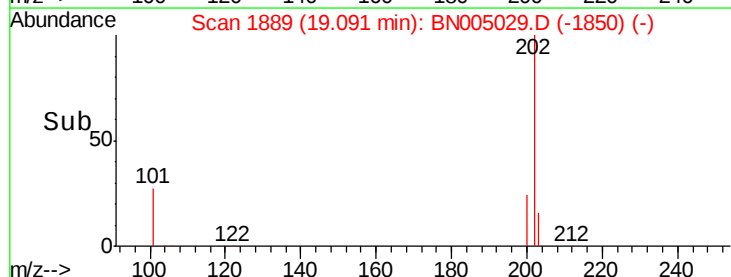
100

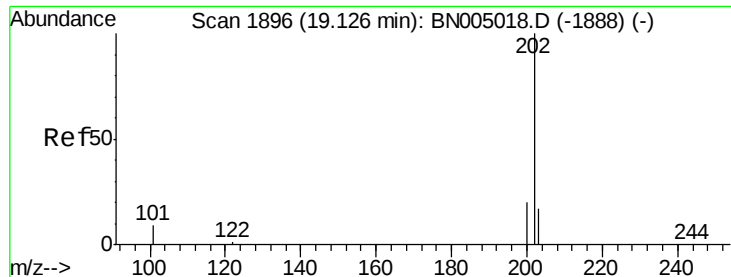
50

0

Time-->

19.05 19.10 19.15

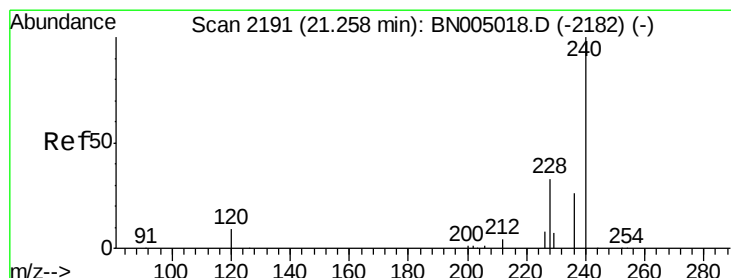
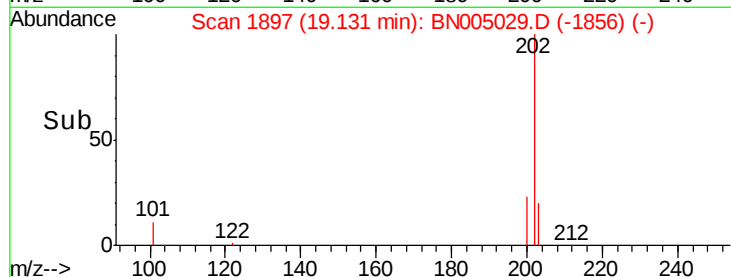
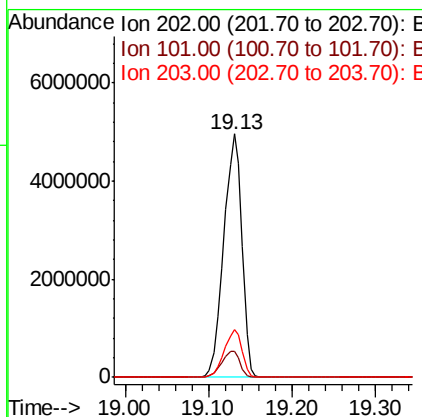
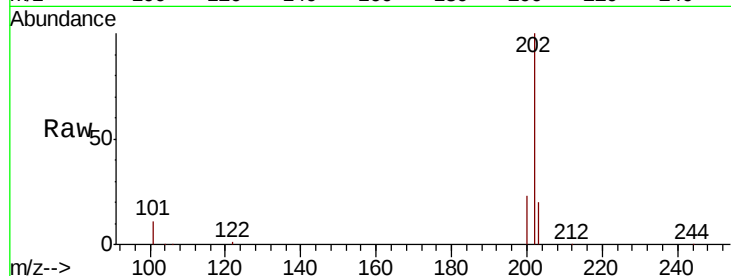




#26
Fluoranthene
Concen: 134.739 ng
RT: 19.13 min Scan# 1897
Delta R.T. 0.00 min
Lab File: BN005029.D
Acq: 29 Mar 2019 11:43

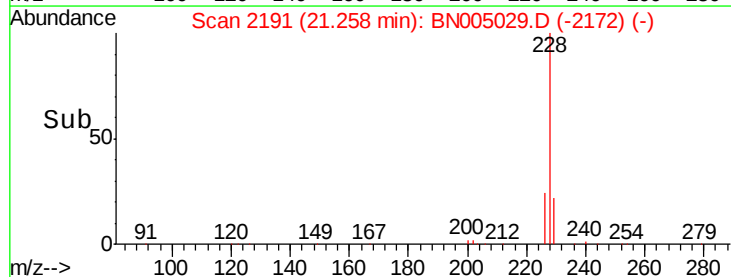
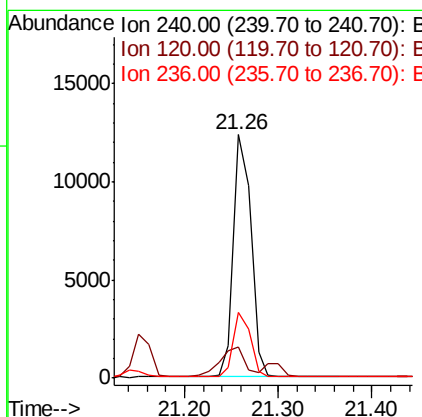
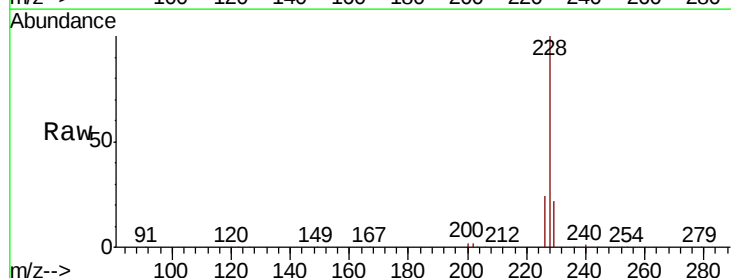
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

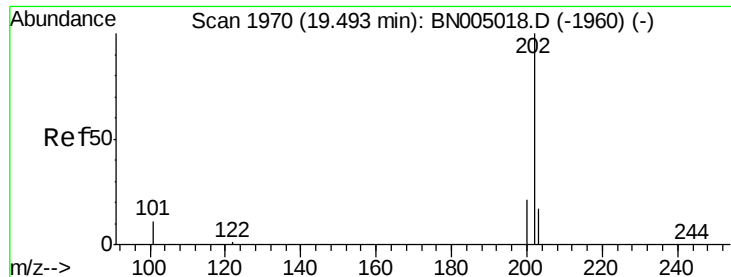
Tgt Ion:202 Resp: 7475408
Ion Ratio Lower Upper
202 100
101 10.8 8.2 12.2
203 19.1 13.8 20.8



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.26 min Scan# 2191
Delta R.T. -0.00 min
Lab File: BN005029.D
Acq: 29 Mar 2019 11:43

Tgt Ion:240 Resp: 16170
Ion Ratio Lower Upper
240 100
120 12.6 7.4 11.0#
236 27.0 21.0 31.6





#28

Pyrene

Concen: 0.961 ng

RT: 19.46 min Scan# 1964

Delta R.T. -0.03 min

Lab File: BN005029.D

Acq: 29 Mar 2019 11:43

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP

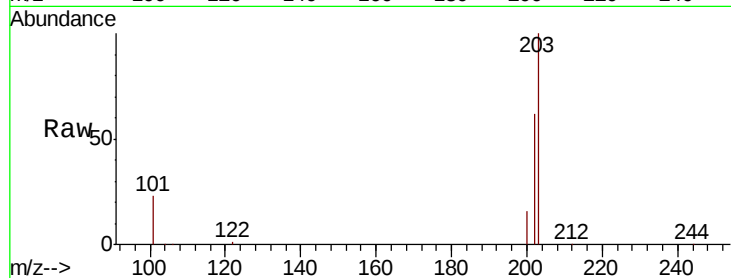
Tgt Ion:202 Resp: 44144

Ion Ratio Lower Upper

202 100

200 25.3 16.5 24.7#

203 145.2 13.9 20.9#

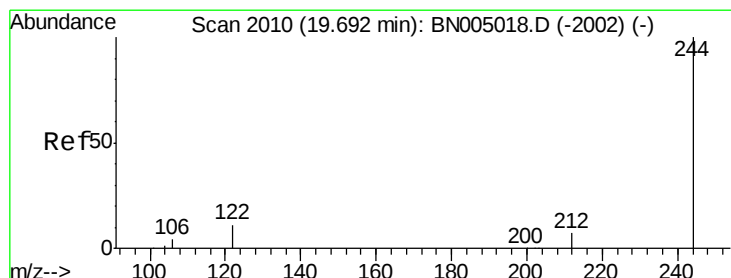
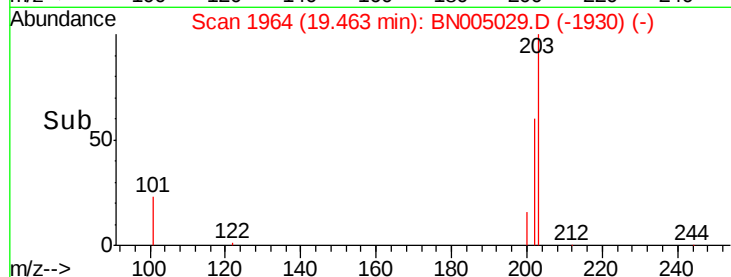
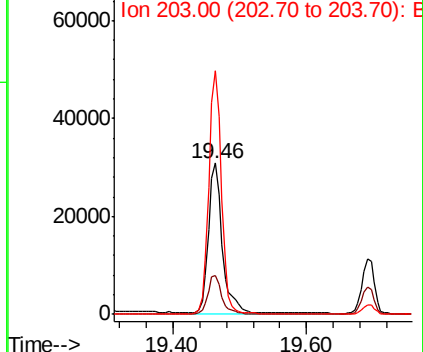


Abundance

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: 114.432 ng

RT: 19.70 min Scan# 2011

Delta R.T. 0.00 min

Lab File: BN005029.D

Acq: 29 Mar 2019 11:43

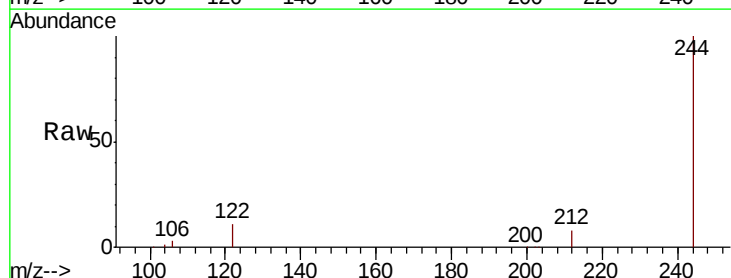
Tgt Ion:244 Resp: 3802457

Ion Ratio Lower Upper

244 100

212 7.8 5.9 8.9

122 10.6 9.0 13.4

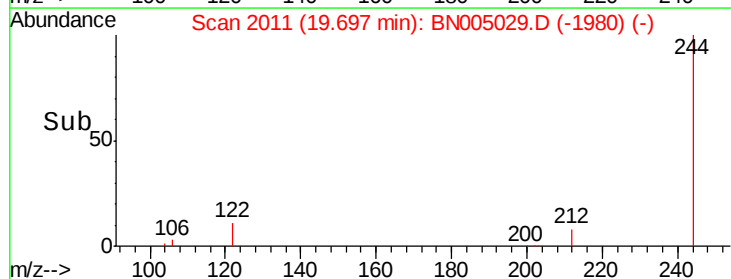
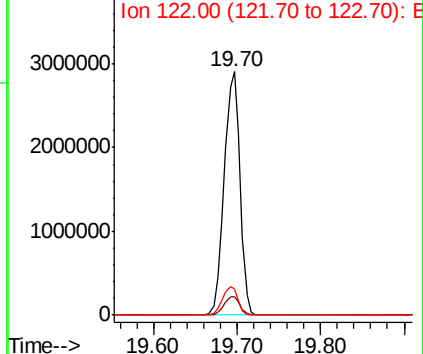


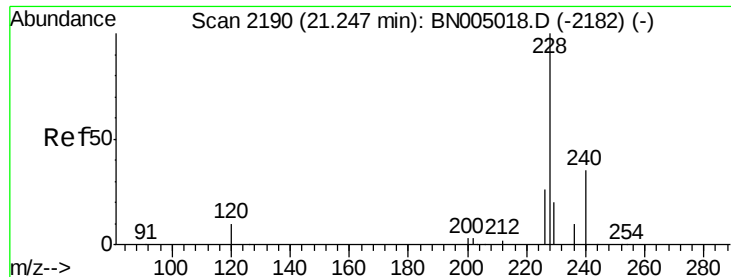
Abundance

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

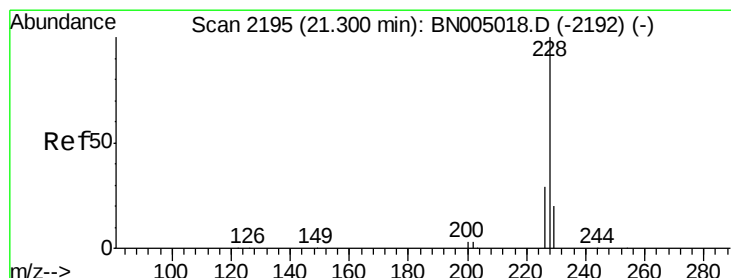
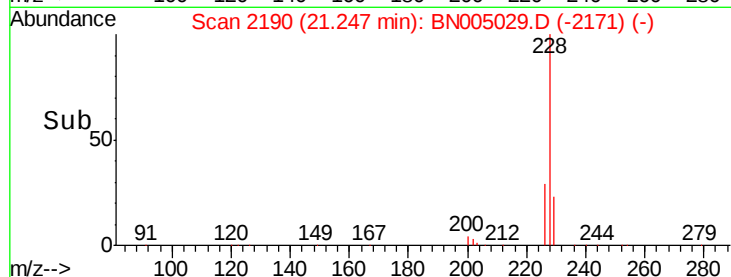
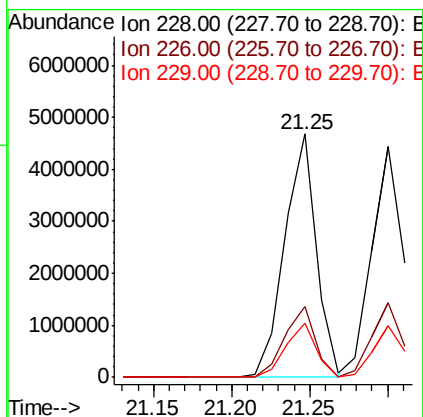
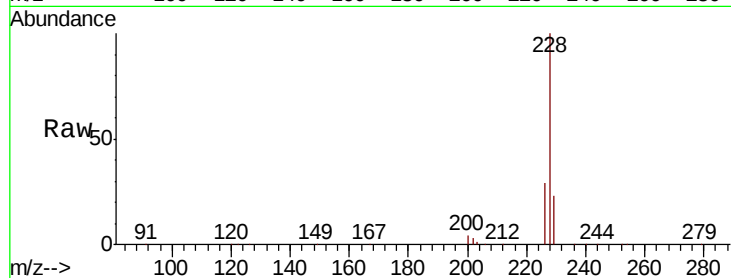




#30
Benzo(a)anthracene
Concen: 143.973 ng
RT: 21.25 min Scan# 2190
Delta R.T. -0.00 min
Lab File: BN005029.D
Acq: 29 Mar 2019 11:43

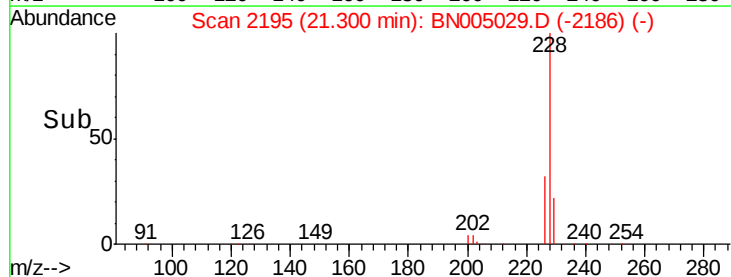
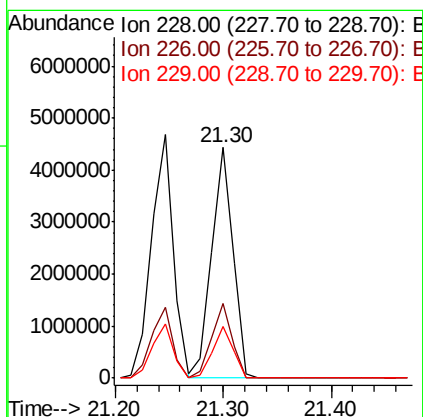
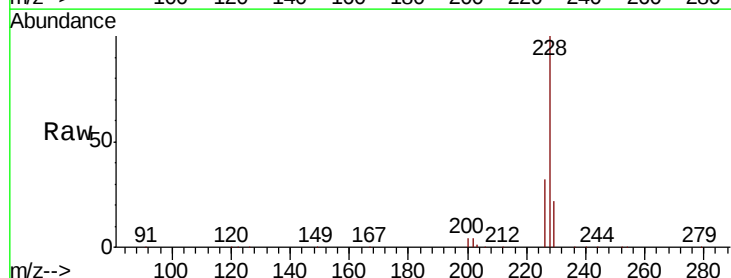
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

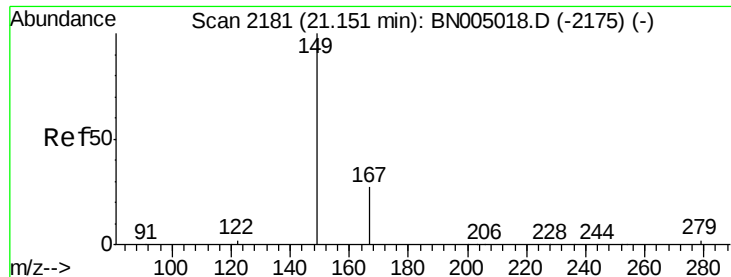
Tgt Ion:228 Resp: 6564637
Ion Ratio Lower Upper
228 100
226 29.0 20.9 31.3
229 22.5 16.2 24.2



#31
Chrysene
Concen: 123.577 ng
RT: 21.30 min Scan# 2195
Delta R.T. -0.00 min
Lab File: BN005029.D
Acq: 29 Mar 2019 11:43

Tgt Ion:228 Resp: 6074662
Ion Ratio Lower Upper
228 100
226 32.2 22.8 34.2
229 22.3 16.2 24.4





#32

Bis(2-ethylhexyl)phthalate

Concen: 245.035 ng

RT: 21.15 min Scan# 2181

Delta R.T. -0.00 min

Lab File: BN005029.D

Acq: 29 Mar 2019 11:43

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP

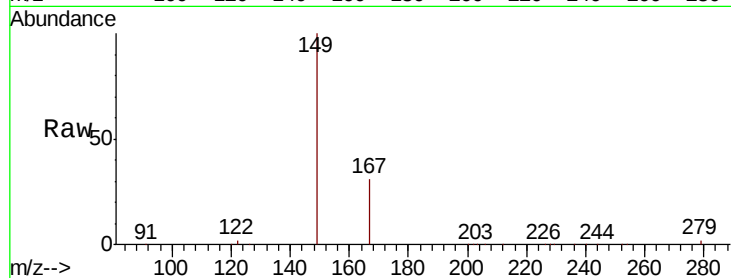
Tgt Ion:149 Resp: 4678776

Ion Ratio Lower Upper

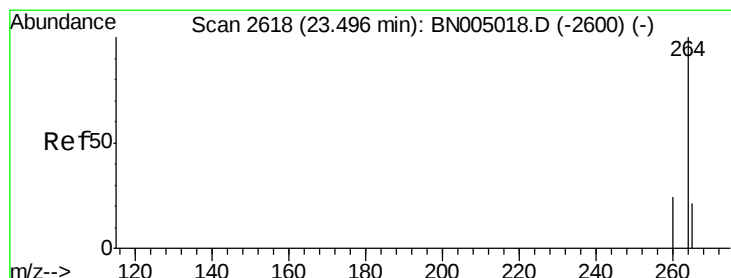
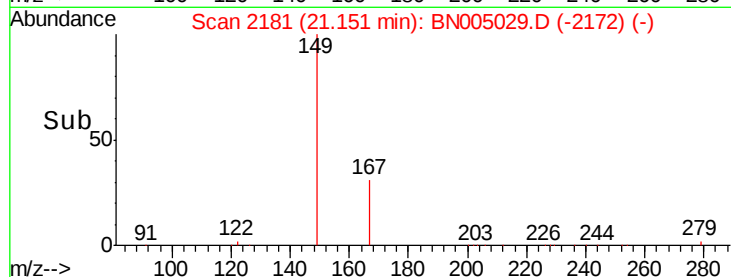
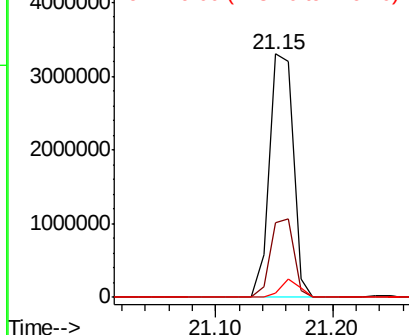
149 100

167 31.5 22.2 33.4

279 6.2 4.2 6.4



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.49 min Scan# 2615

Delta R.T. -0.01 min

Lab File: BN005029.D

Acq: 29 Mar 2019 11:43

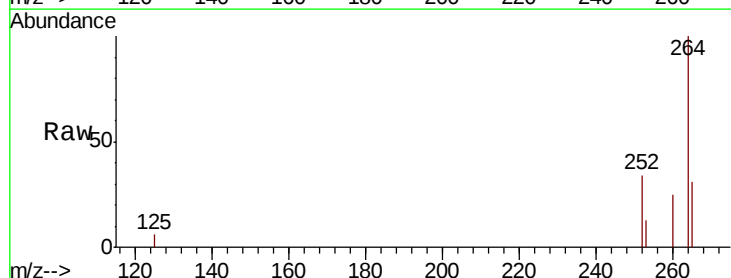
Tgt Ion:264 Resp: 13004

Ion Ratio Lower Upper

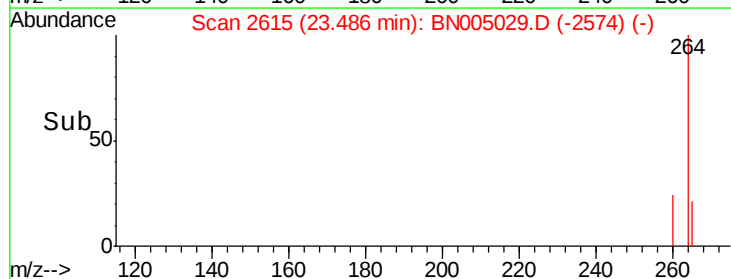
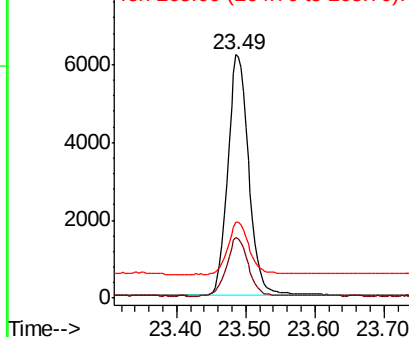
264 100

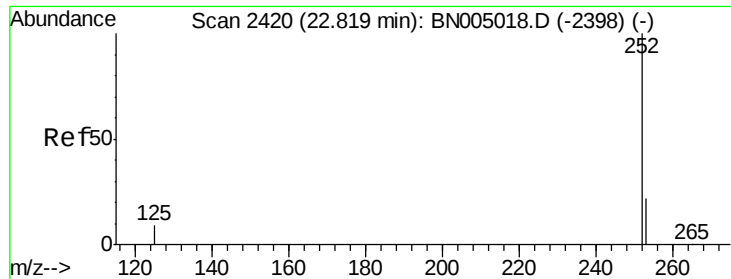
260 24.8 19.4 29.0

265 31.2 22.5 33.7



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: 0.020 ng

RT: 22.82 min Scan# 2421

Delta R.T. 0.00 min

Lab File: BN005029.D

Acq: 29 Mar 2019 11:43

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP

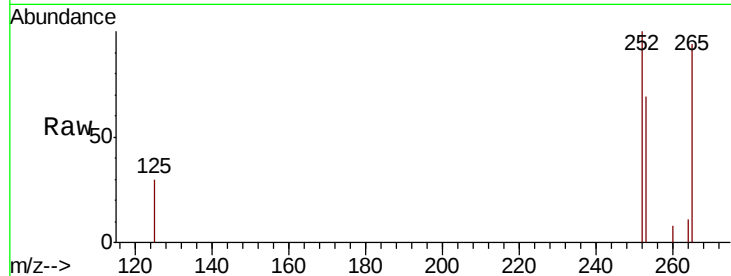
Tgt Ion:252 Resp: 834

Ion Ratio Lower Upper

252 100

253 69.2 19.2 28.8#

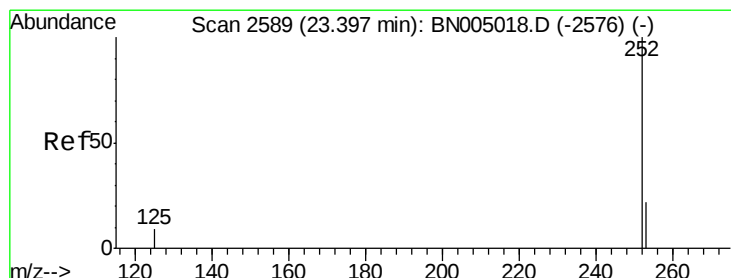
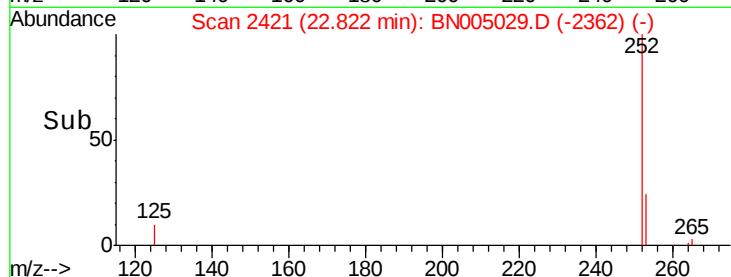
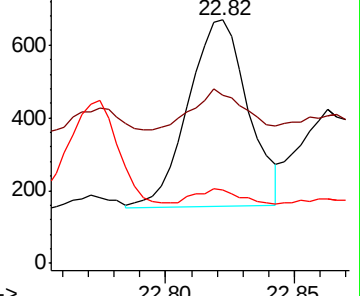
125 30.2 8.2 12.2#



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: 64.417 ng

RT: 23.39 min Scan# 2587

Delta R.T. -0.01 min

Lab File: BN005029.D

Acq: 29 Mar 2019 11:43

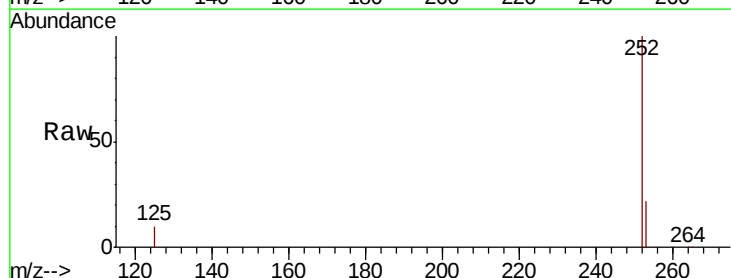
Tgt Ion:252 Resp: 2387876

Ion Ratio Lower Upper

252 100

253 22.3 20.2 30.2

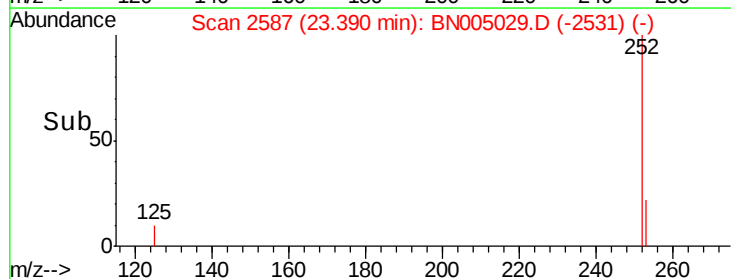
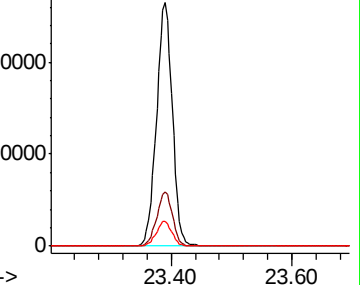
125 10.0 9.2 13.8

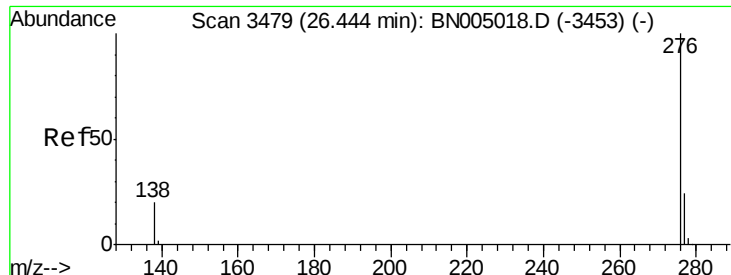


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Benzo(g,h,i)perylene

Concen: 151.139 ng

RT: 26.45 min Scan# 3480

Delta R.T. 0.00 min

Lab File: BN005029.D

Acq: 29 Mar 2019 11:43

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP

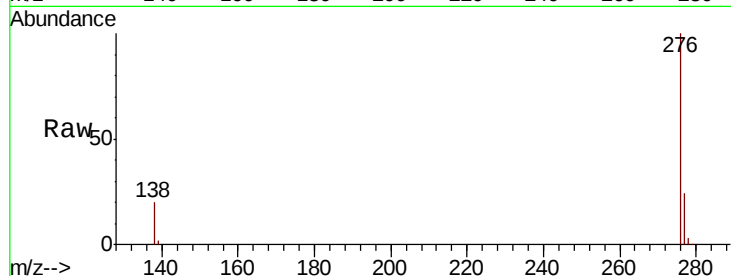
Tgt Ion:276 Resp: 5645238

Ion Ratio Lower Upper

276 100

277 24.4 19.8 29.6

138 19.8 16.4 24.6



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

