

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 30 00:10:26 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

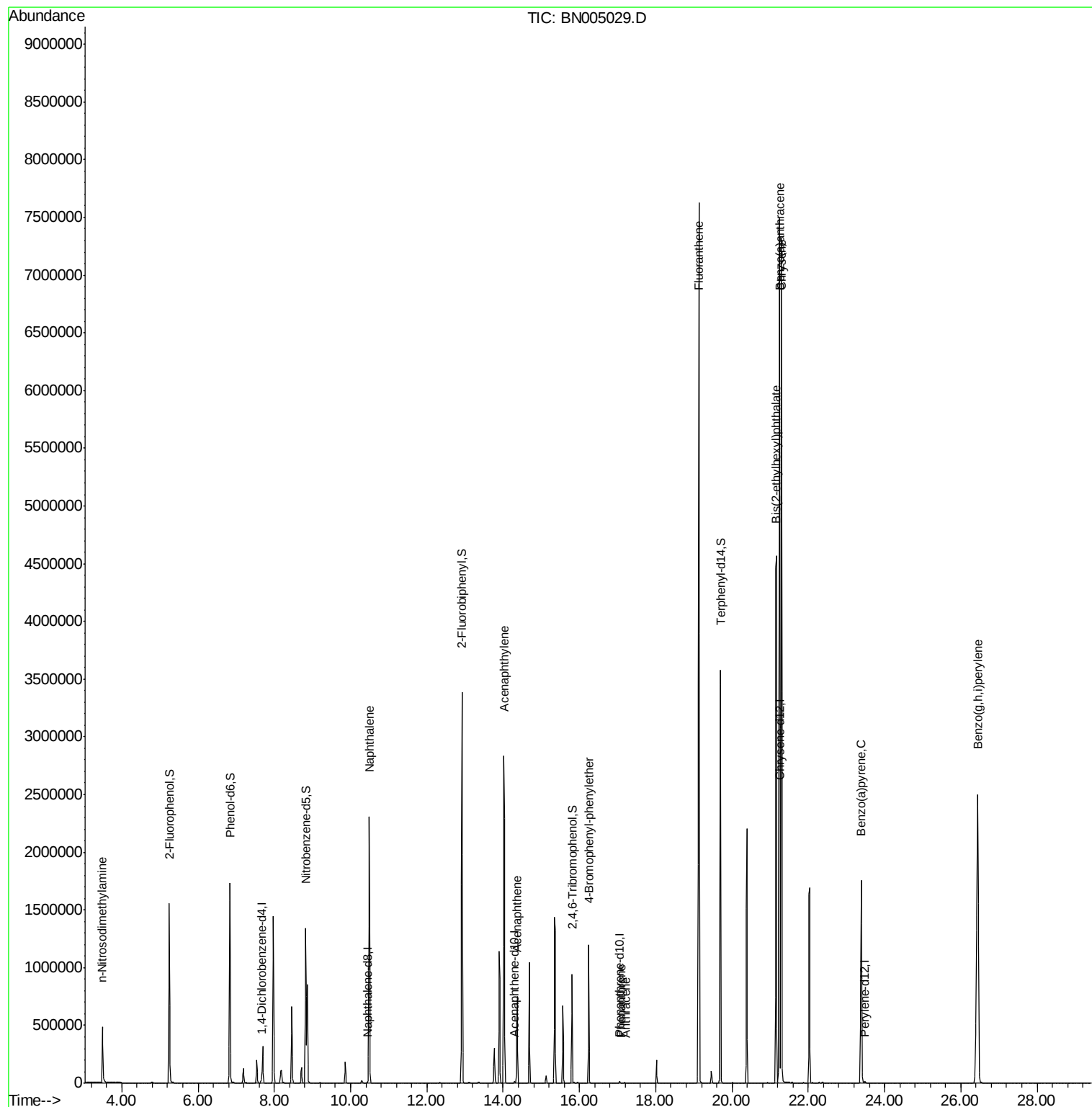
Target Compounds					Qvalue	
3) n-Nitrosodimethylamine	3.50	42	216004	24.818	ng	# 96
9) Naphthalene	10.49	128	2858752	84.357	ng	99
16) Acenaphthylene	14.02	152	3299541	94.206	ng	99
17) Acenaphthene	14.37	154	372561	16.751	ng	98
20) 4-Bromophenyl-phenylether	16.25	248	652250	70.401	ng	# 90
23) Phenanthrene	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
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
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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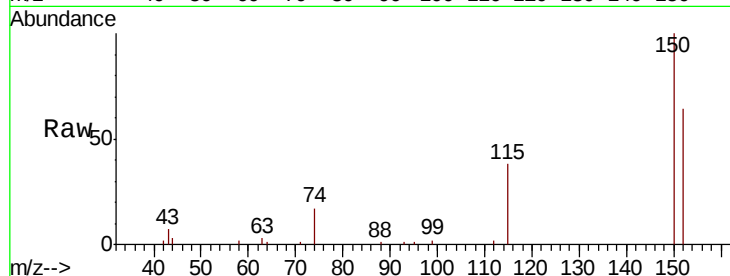


#1

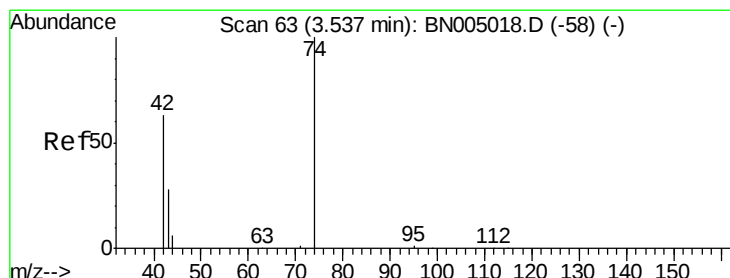
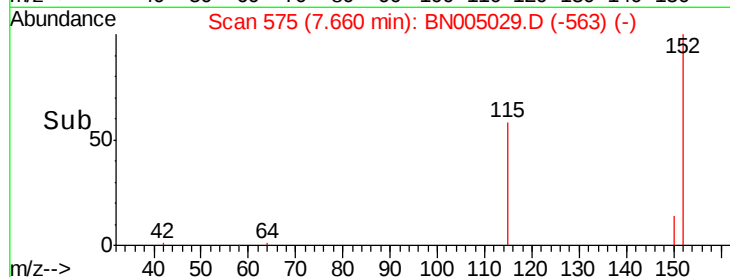
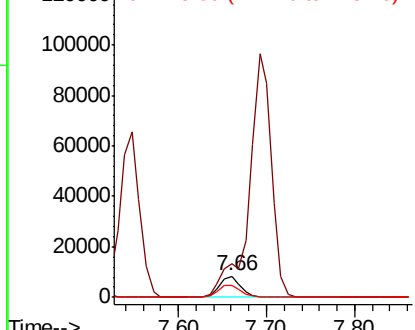
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.66 min Scan# 575
Delta R.T. -0.00 min
Lab File: BN005029.D
Acq: 29 Mar 2019 11:43

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



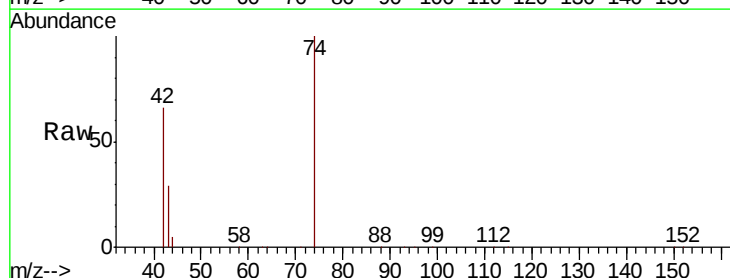
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



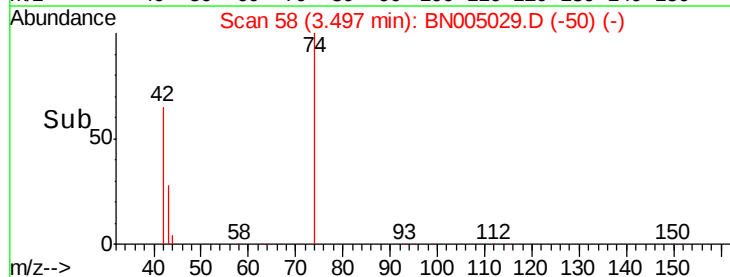
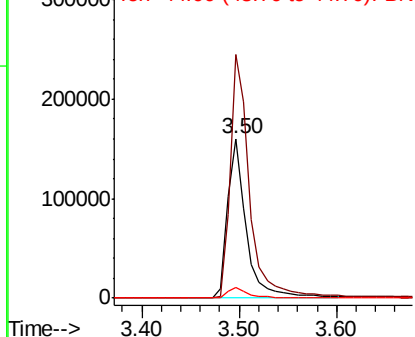
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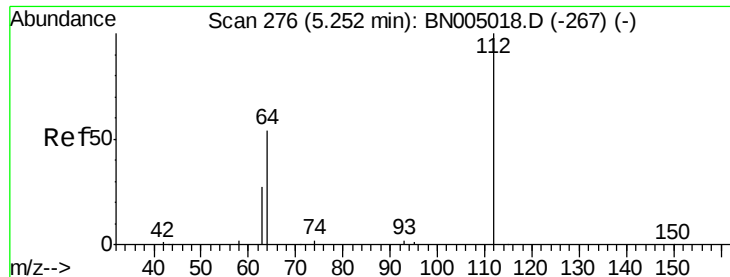
n-Nitrosodimethylamine
Concen: 24.818 ng
RT: 3.50 min Scan# 58
Delta R.T. -0.04 min
Lab File: BN005029.D
Acq: 29 Mar 2019 11:43

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#



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: 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

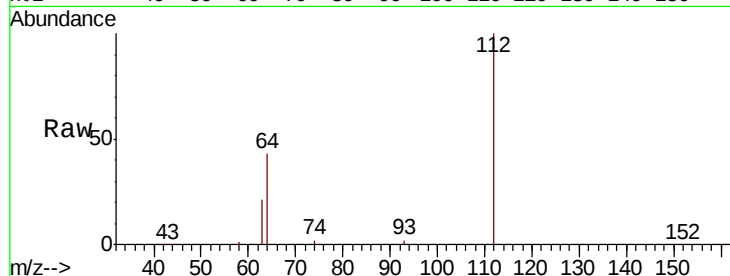
Tgt Ion: 112 Resp: 1307149

Ion Ratio Lower Upper

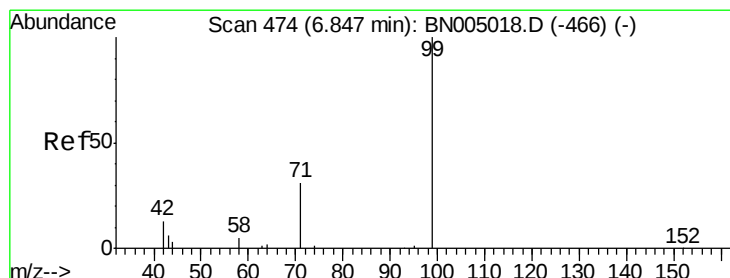
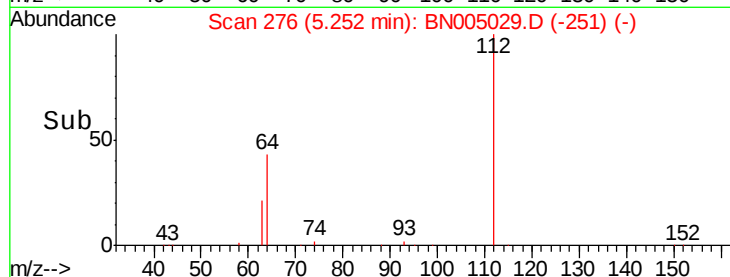
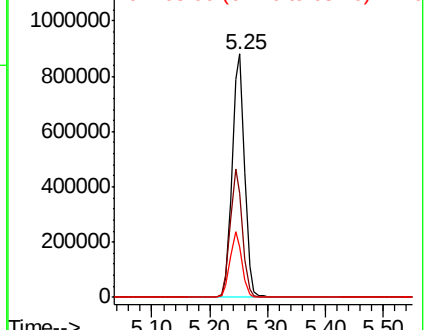
112 100

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

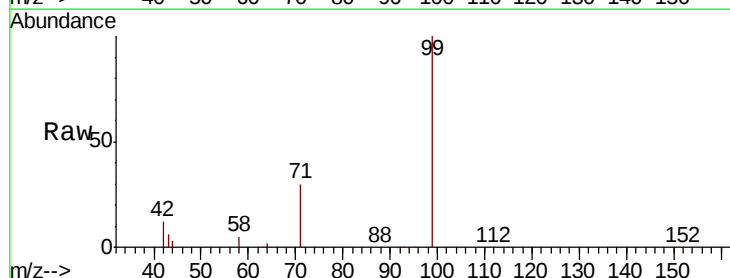
Tgt Ion: 99 Resp: 1742411

Ion Ratio Lower Upper

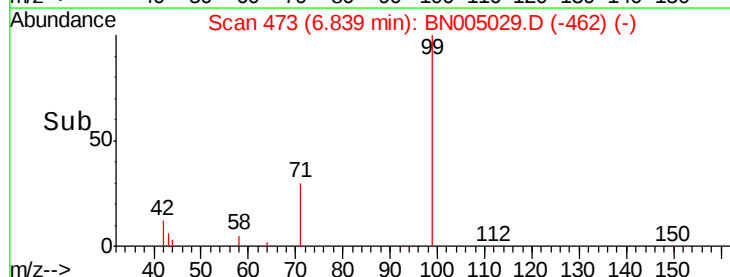
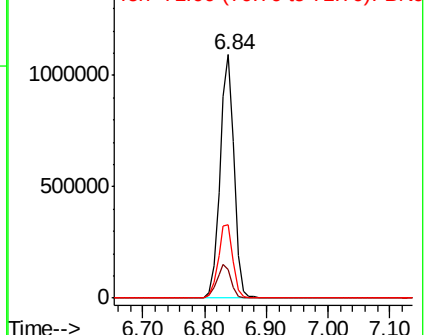
99 100

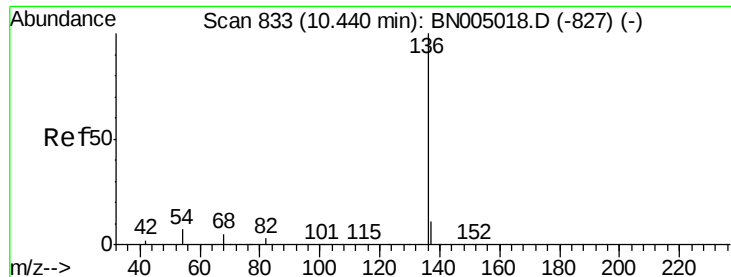
42 14.3 12.2 18.2

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

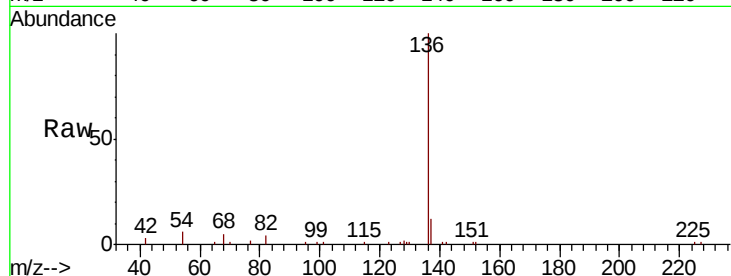
Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

54 6.0 6.0 9.0

68 5.1 5.0 7.6

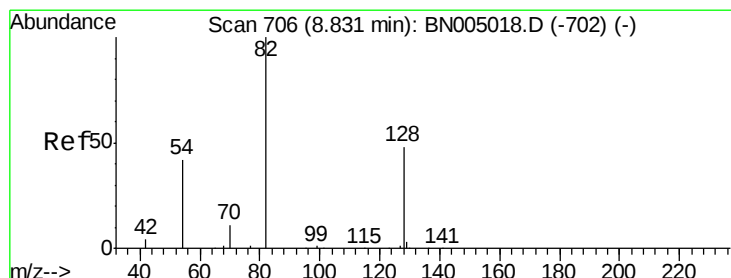
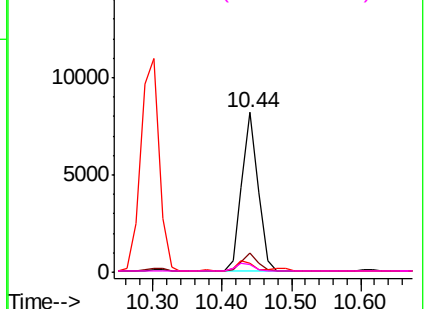
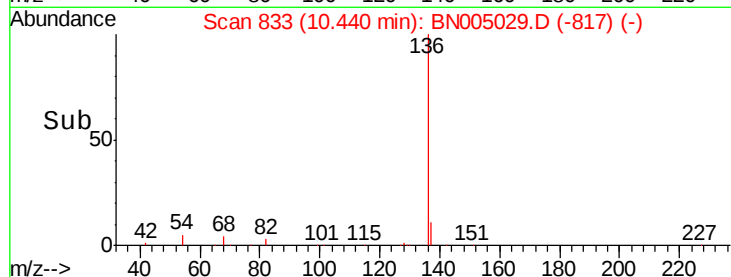


Abundance Ion 136.00 (135.70 to 136.70): E

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

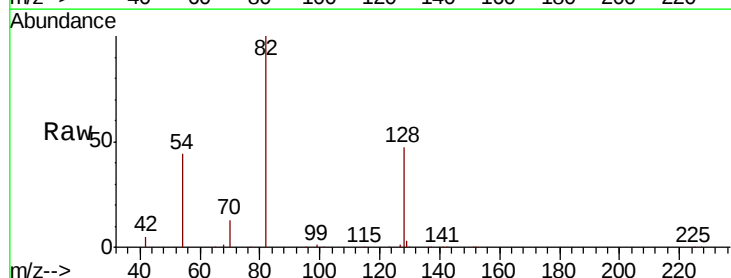
Tgt Ion: 82 Resp: 1046887

Ion Ratio Lower Upper

82 100

128 47.4 40.5 60.7

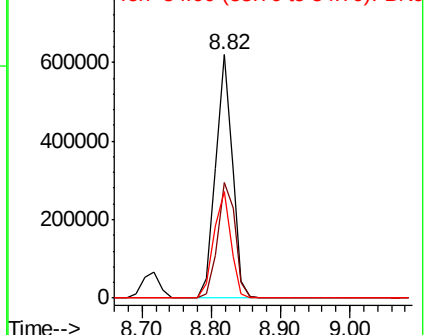
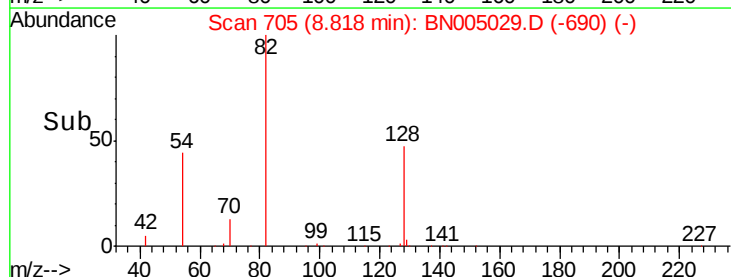
54 44.0 35.7 53.5

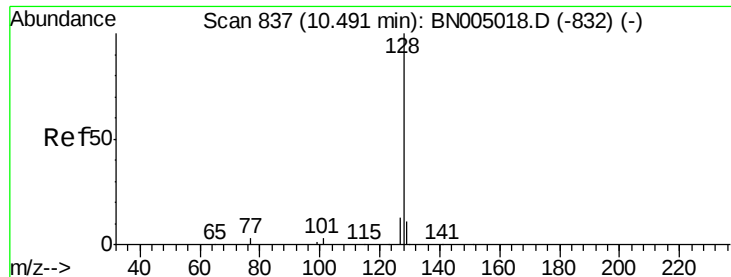


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

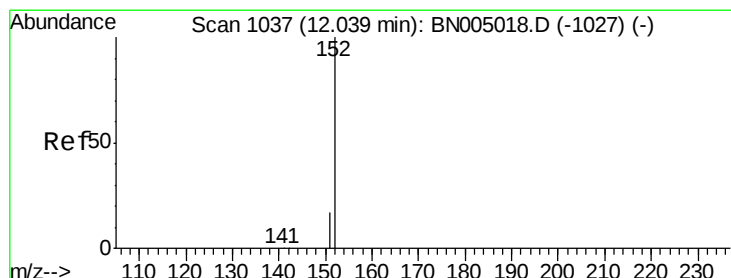
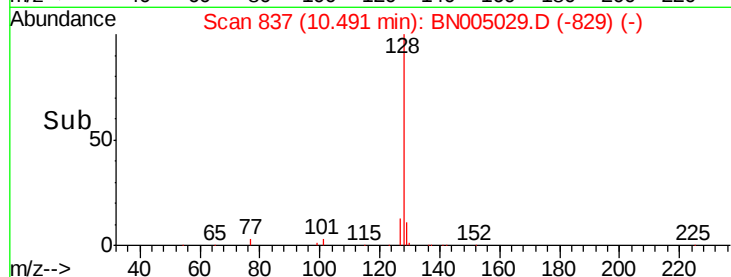
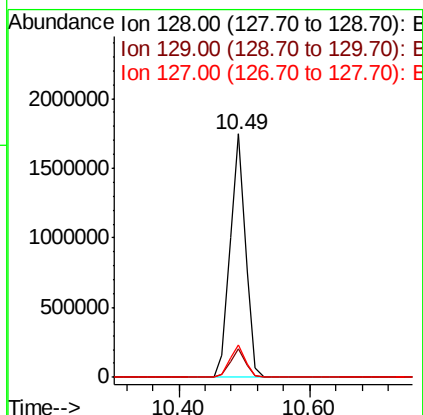
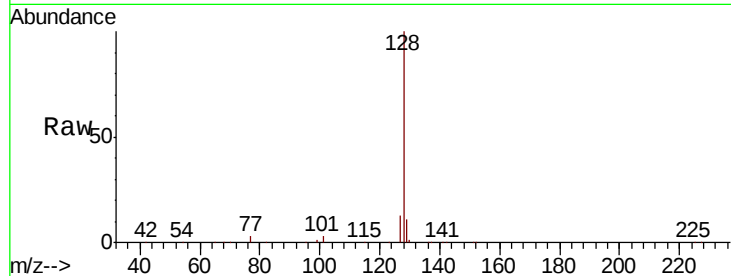




#9
Naphthalene
Concen: 84.357 ng
RT: 10.49 min Scan# 837
Delta R.T. -0.00 min
Lab File: BN005029.D
Acq: 29 Mar 2019 11:43

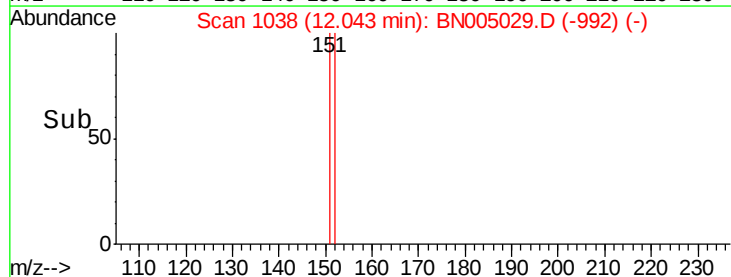
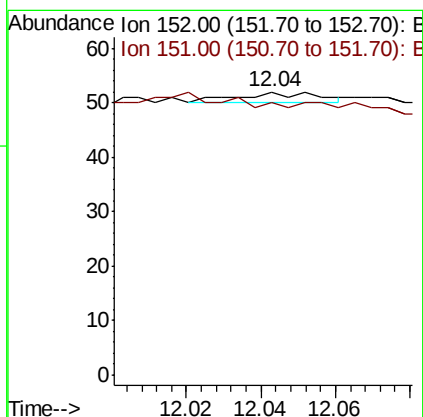
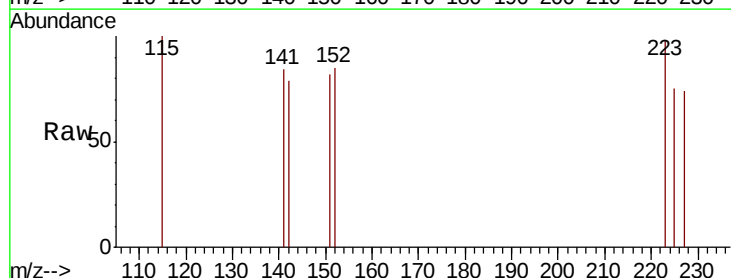
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

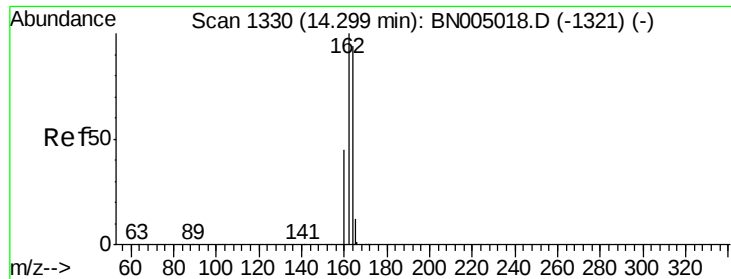
Tgt Ion:128 Resp: 2858752
Ion Ratio Lower Upper
128 100
129 11.5 9.4 14.2
127 13.3 11.0 16.6



#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

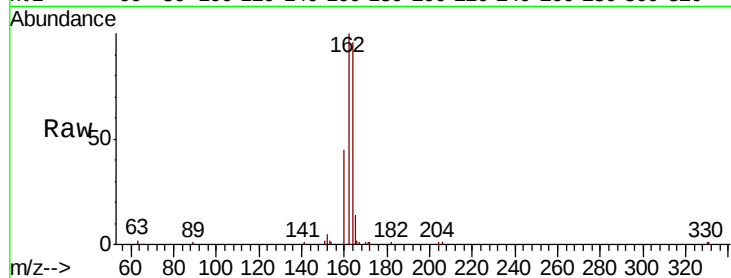
Tgt Ion:164 Resp: 7420

Ion Ratio Lower Upper

164 100

162 104.1 85.3 127.9

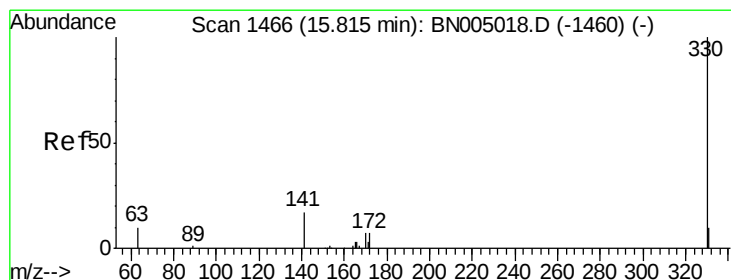
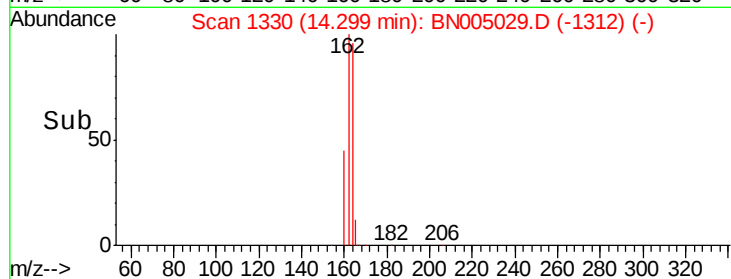
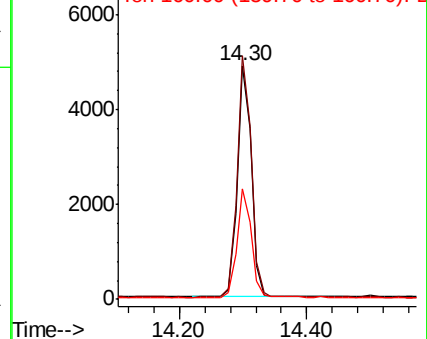
160 47.3 39.2 58.8



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

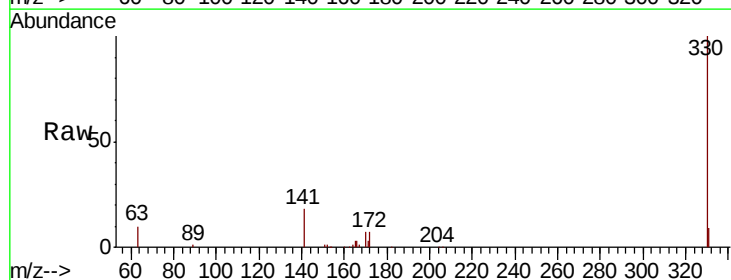
Tgt Ion:330 Resp: 786008

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

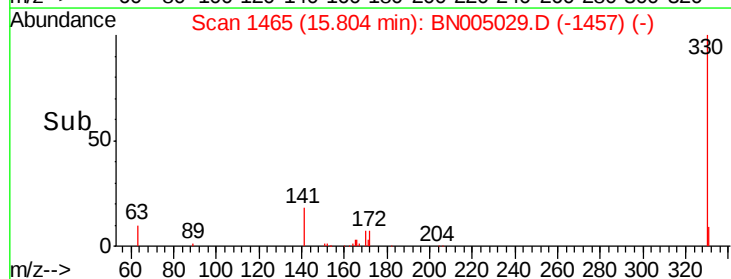
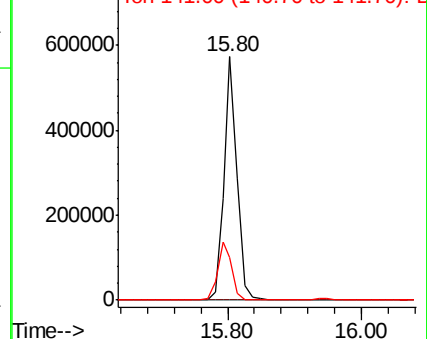
141 25.9 21.3 31.9

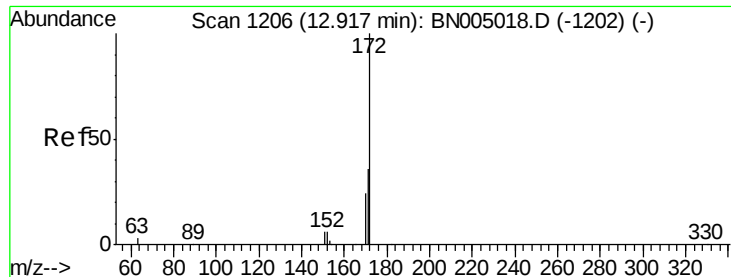


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

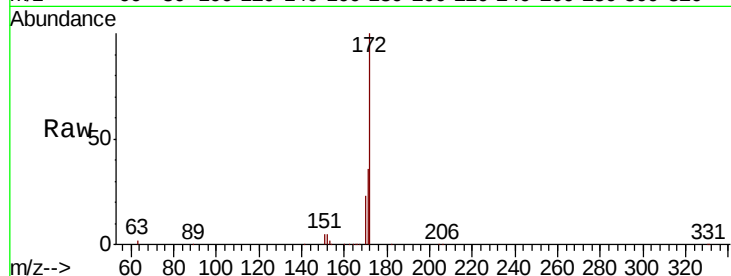




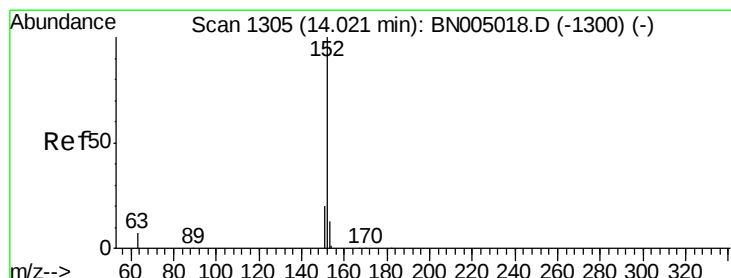
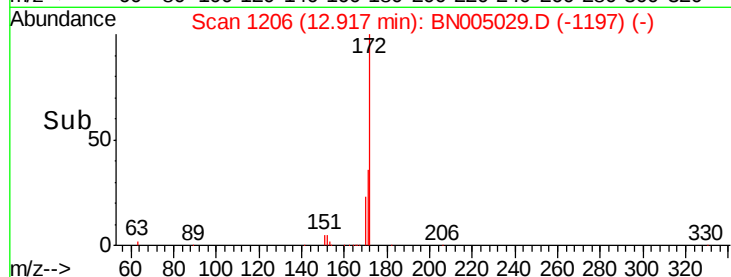
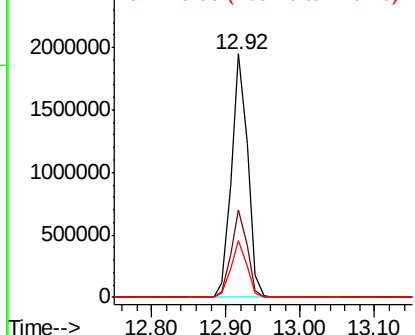
#15
2-Fluorobiphenyl
Concen: 104.955 ng
RT: 12.92 min Scan# 1206
Delta R.T. -0.00 min
Lab File: BN005029.D
Acq: 29 Mar 2019 11:43

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

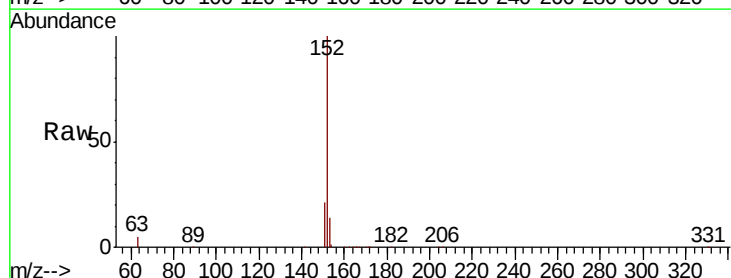


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

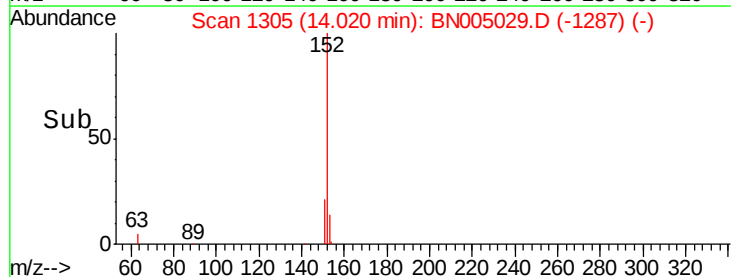
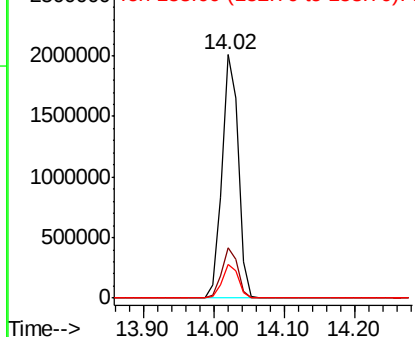


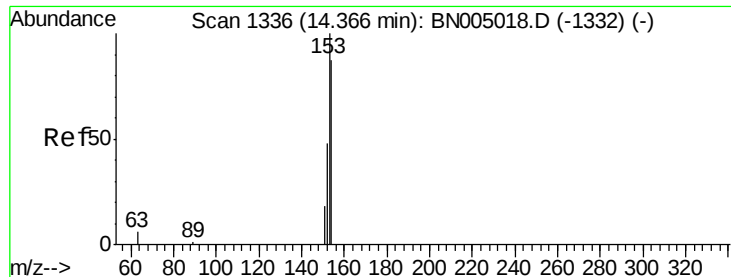
#16
Acenaphthylene
Concen: 94.206 ng
RT: 14.02 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BN005029.D
Acq: 29 Mar 2019 11:43

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

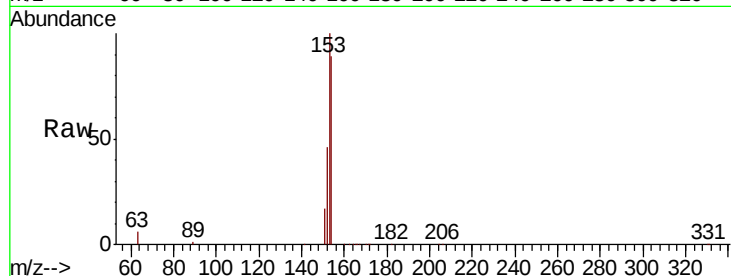
Tgt Ion:154 Resp: 372561

Ion Ratio Lower Upper

154 100

153 113.4 92.1 138.1

152 53.1 44.2 66.2

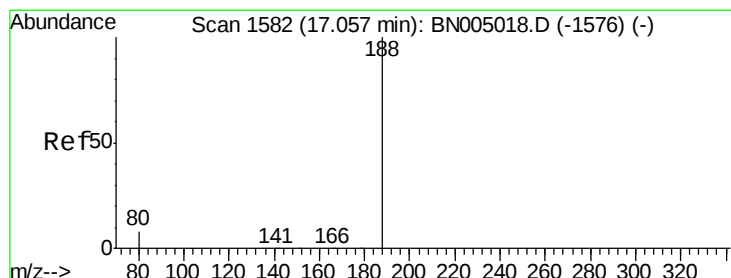
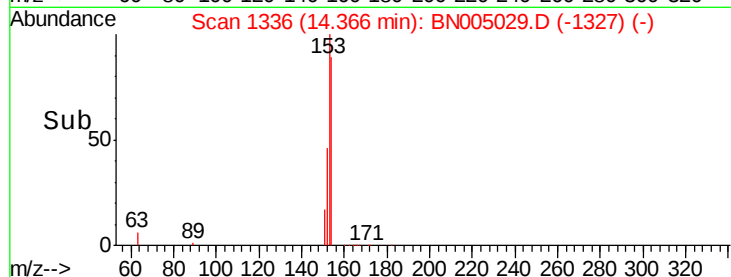
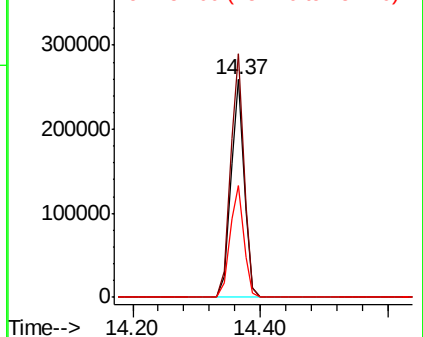


Abundance

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



#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

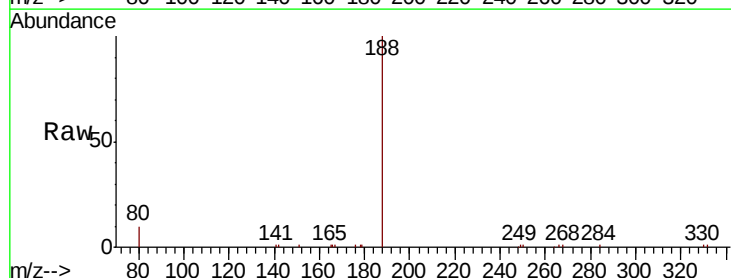
Tgt Ion:188 Resp: 16181

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.5 6.9 10.3#

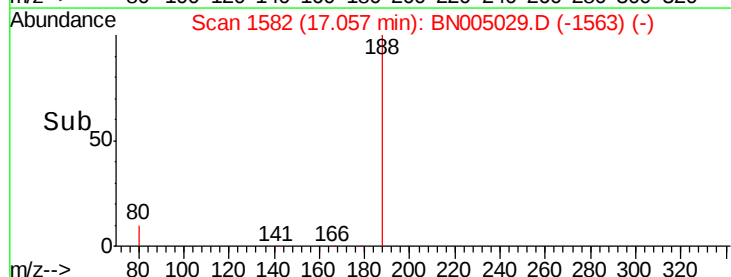
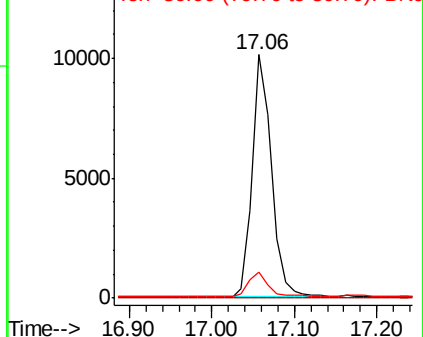


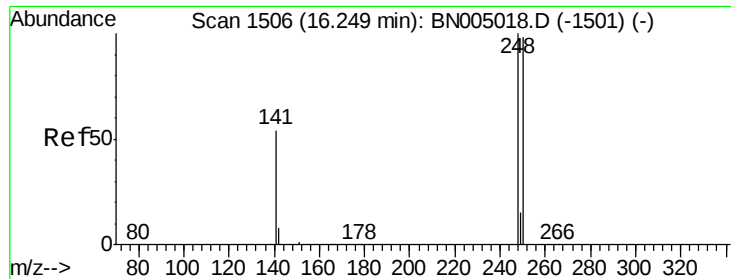
Abundance

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

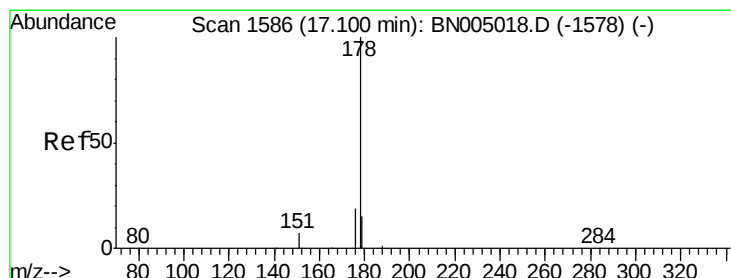
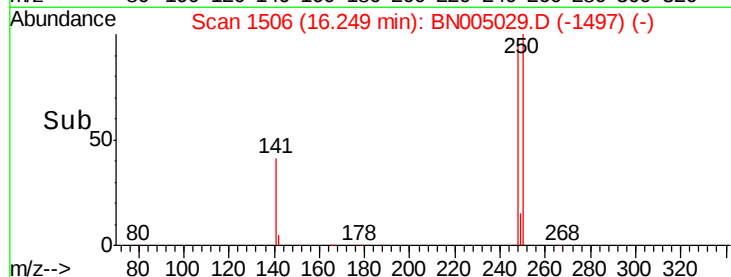
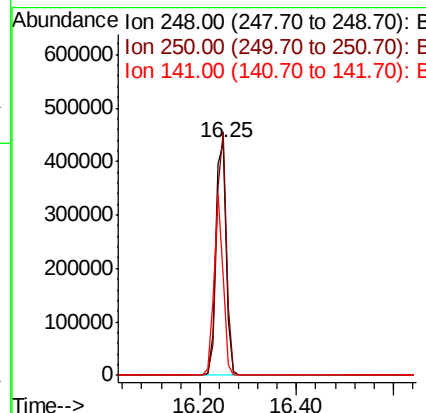
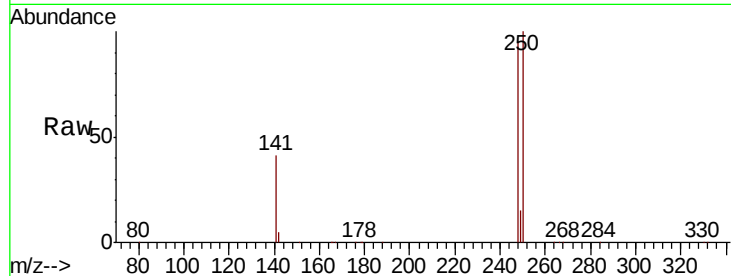




#20
4-Bromophenyl-phenylether
Concen: 70.401 ng
RT: 16.25 min Scan# 1506
Delta R.T. -0.00 min
Lab File: BN005029.D
Acq: 29 Mar 2019 11:43

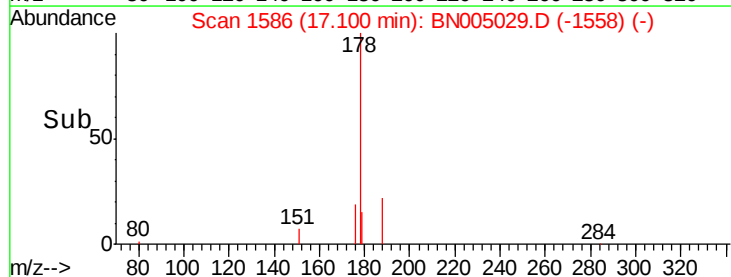
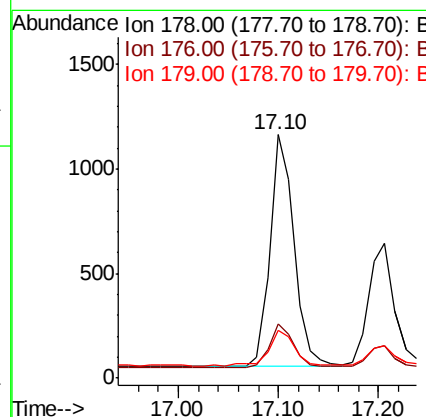
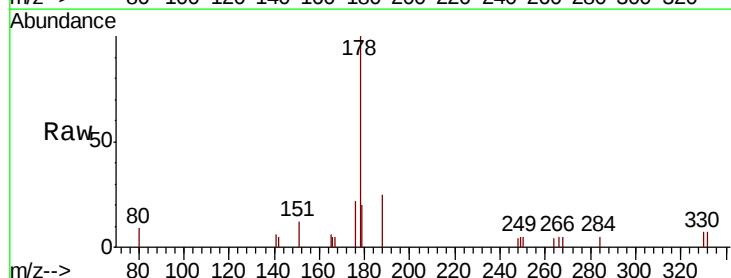
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

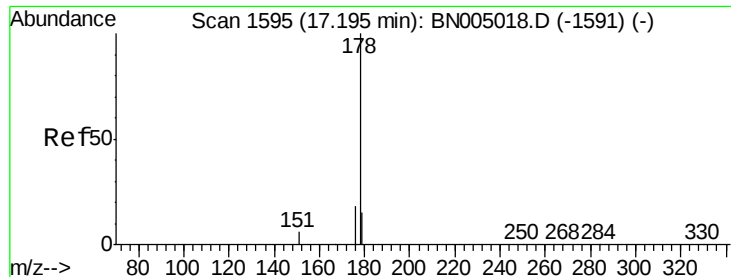
Tgt Ion:248 Resp: 652250
Ion Ratio Lower Upper
248 100
250 104.7 78.6 117.8
141 42.6 43.6 65.4#



#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

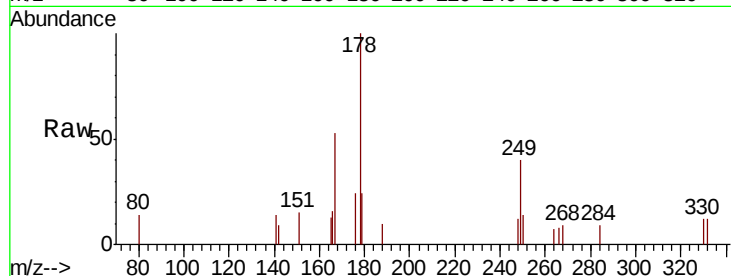
Tgt Ion:178 Resp: 1024

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

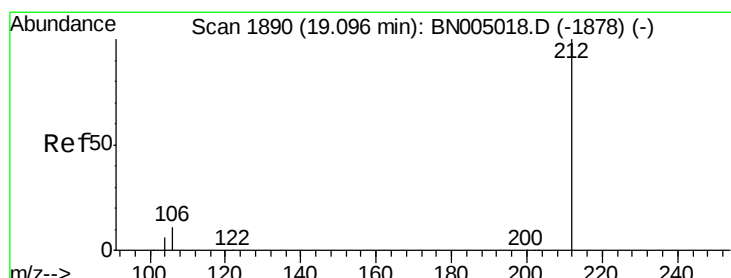
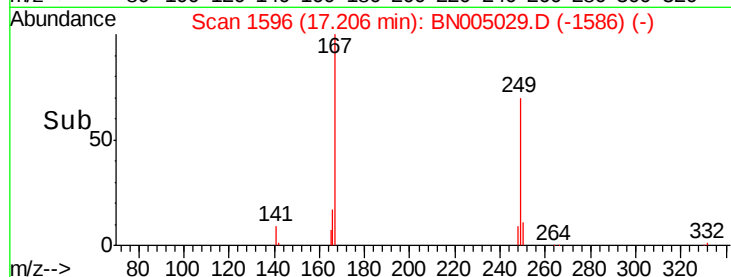
600

400

200

0

Time-->



#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

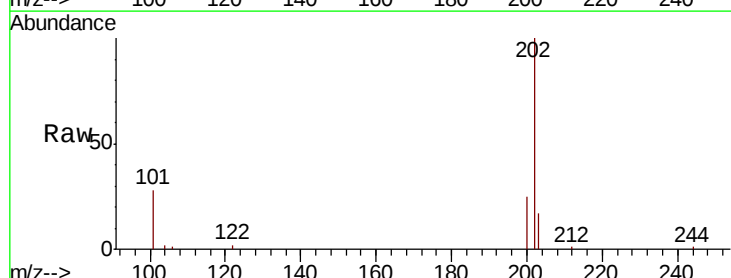
Tgt Ion:212 Resp: 23

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

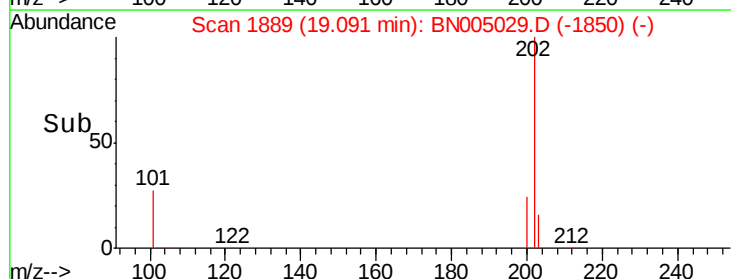
19.09

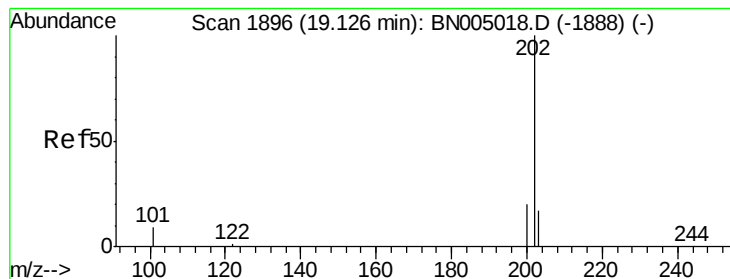
100

50

0

Time-->





#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

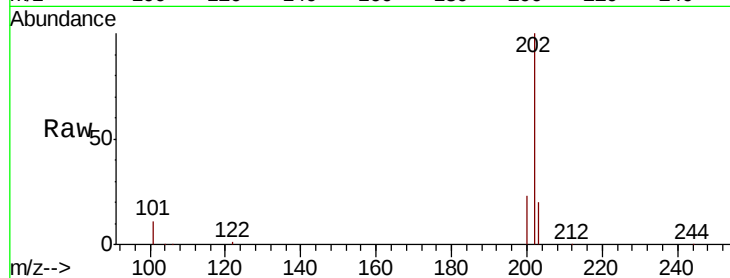
Tgt Ion:202 Resp: 7475408

Ion Ratio Lower Upper

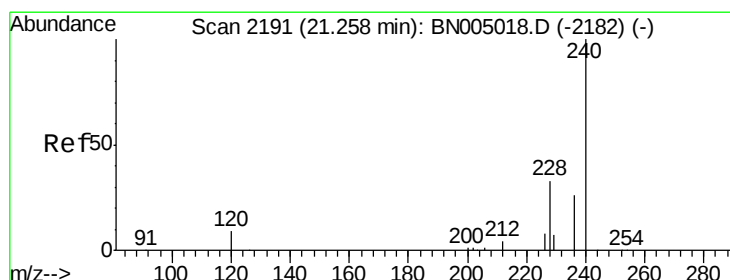
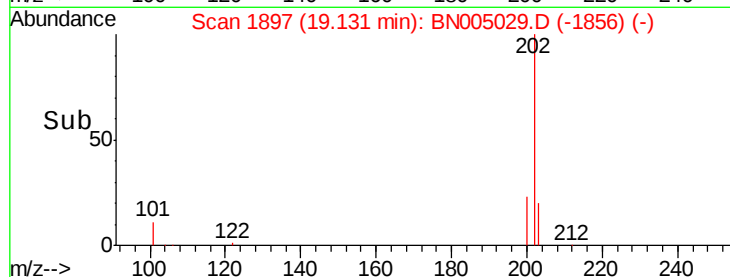
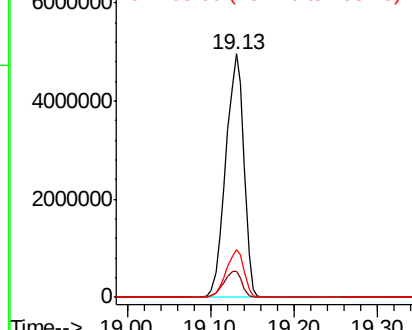
202 100

101 10.8 8.2 12.2

203 19.1 13.8 20.8



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: 21.26 min Scan# 2191

Delta R.T. -0.00 min

Lab File: BN005029.D

Acq: 29 Mar 2019 11:43

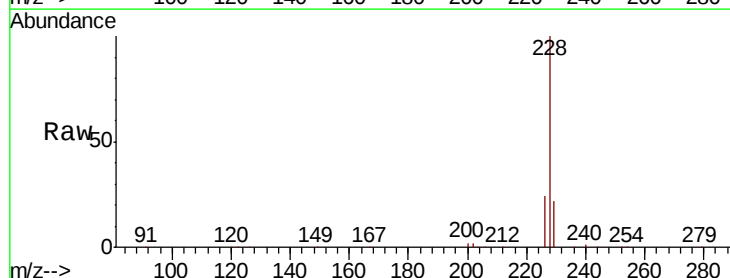
Tgt Ion:240 Resp: 16170

Ion Ratio Lower Upper

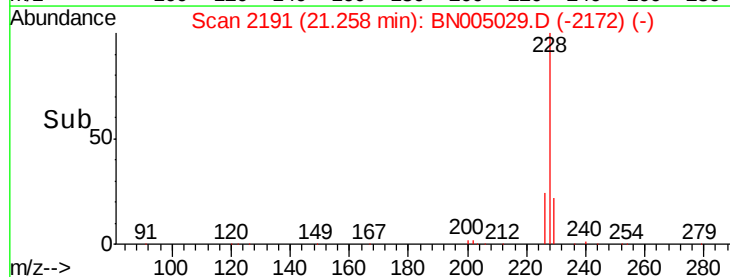
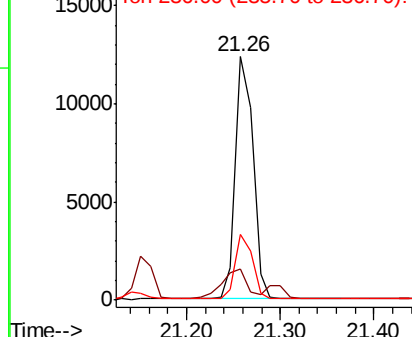
240 100

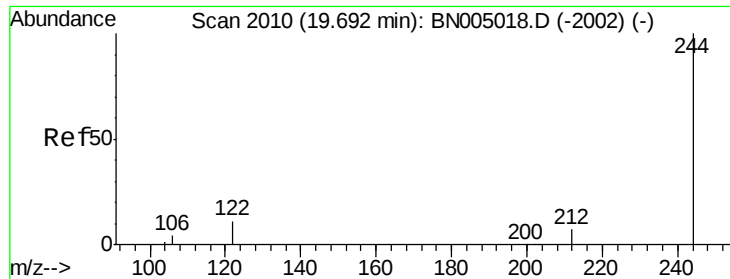
120 12.6 7.4 11.0#

236 27.0 21.0 31.6



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

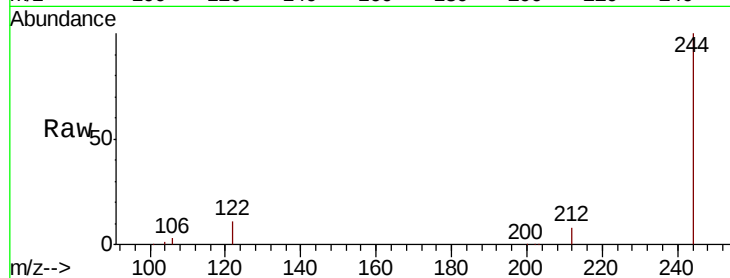




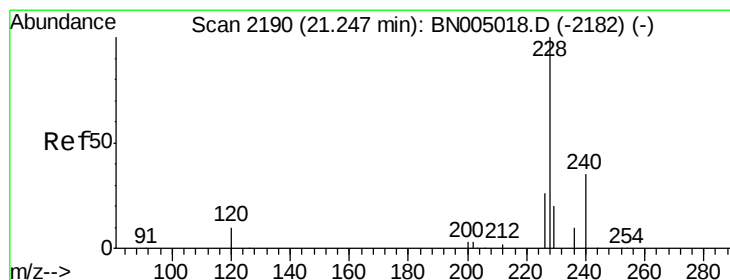
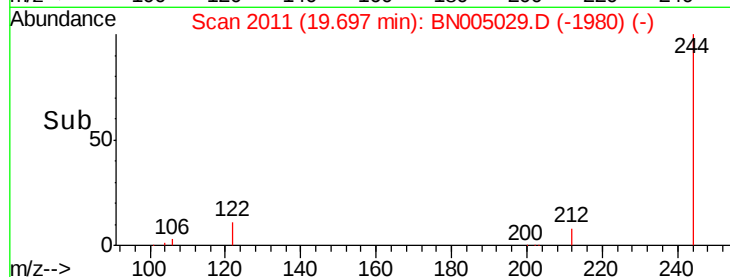
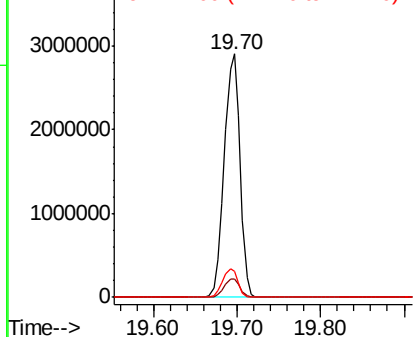
#29
 Terphenyl-d14
 Concen: 114.432 ng
 RT: 19.70 min Scan# 2011
 Delta R.T. 0.00 min
 Lab File: BN005029.D
 Acq: 29 Mar 2019 11:43

Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WP

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

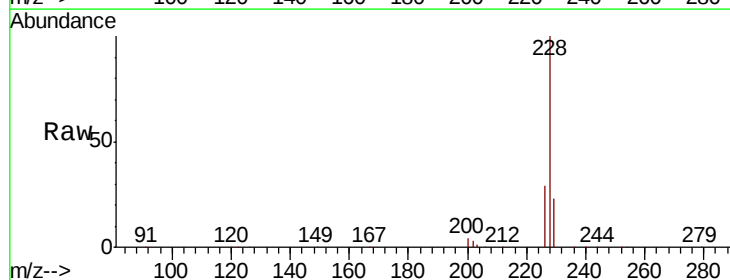


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

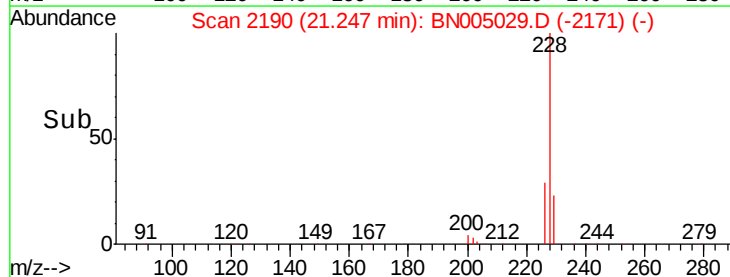
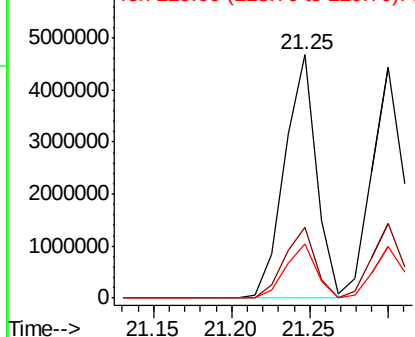


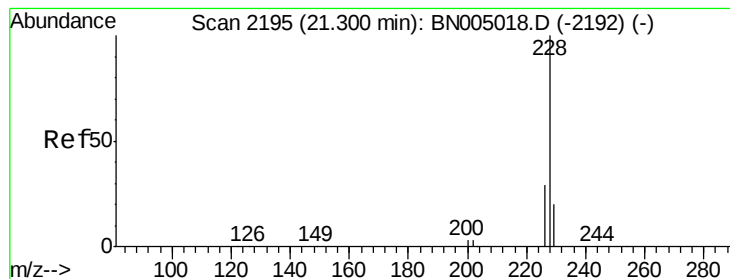
#30
 Benzo(a)anthracene
 Concen: 143.973 ng
 RT: 21.25 min Scan# 2190
 Delta R.T. -0.00 min
 Lab File: BN005029.D
 Acq: 29 Mar 2019 11:43

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



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: 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

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP

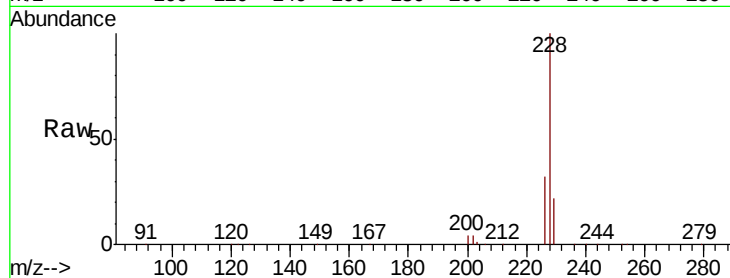
Tgt Ion:228 Resp: 6074662

Ion Ratio Lower Upper

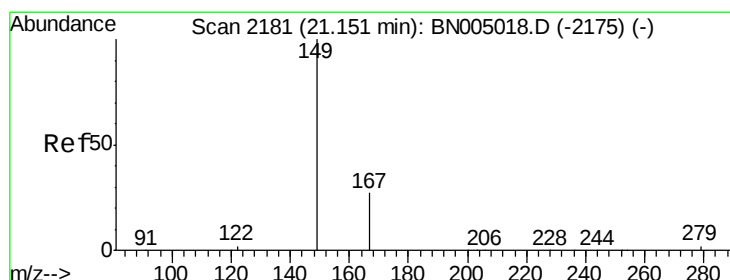
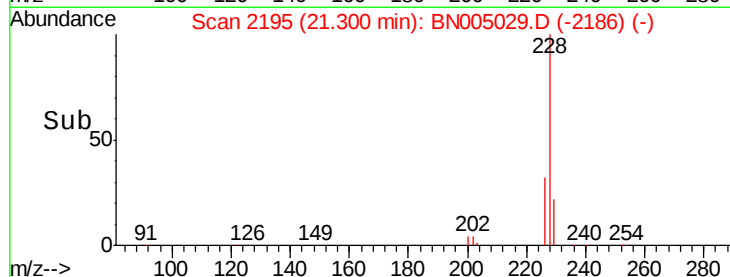
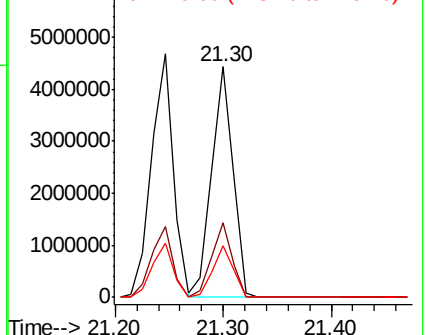
228 100

226 32.2 22.8 34.2

229 22.3 16.2 24.4



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: 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

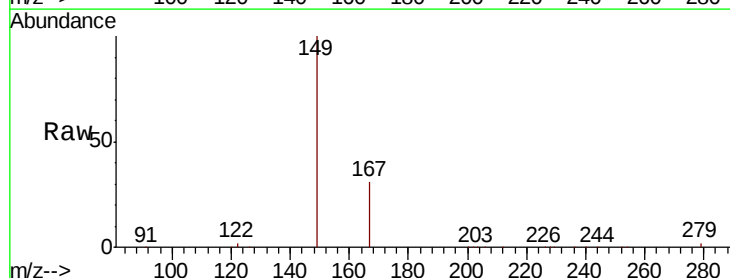
Tgt Ion:149 Resp: 4678776

Ion Ratio Lower Upper

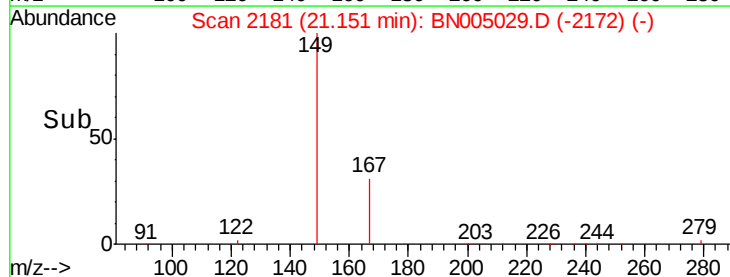
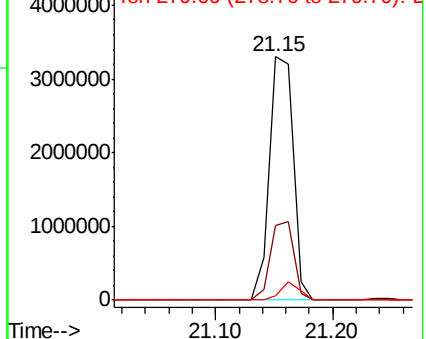
149 100

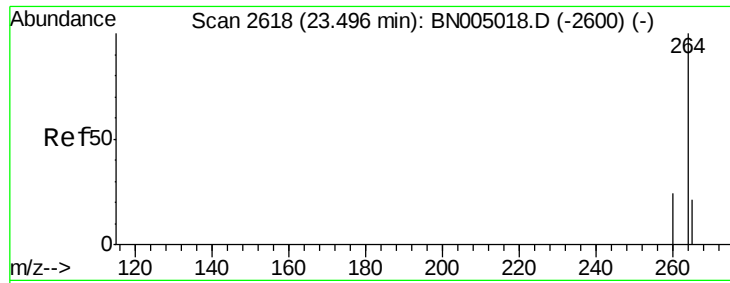
167 31.5 22.2 33.4

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

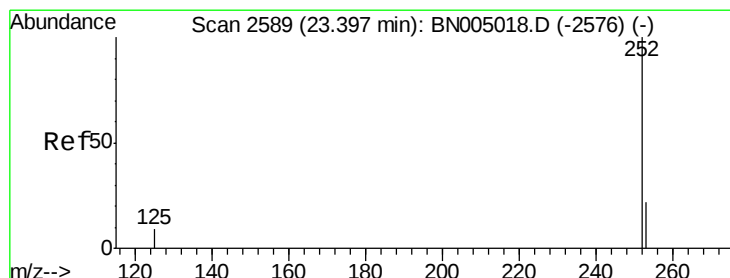
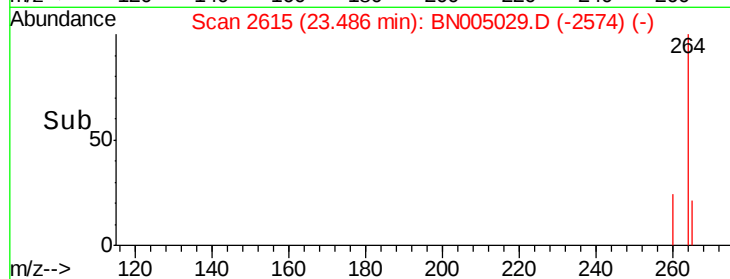
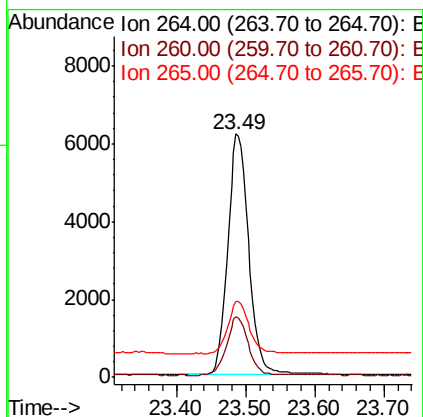
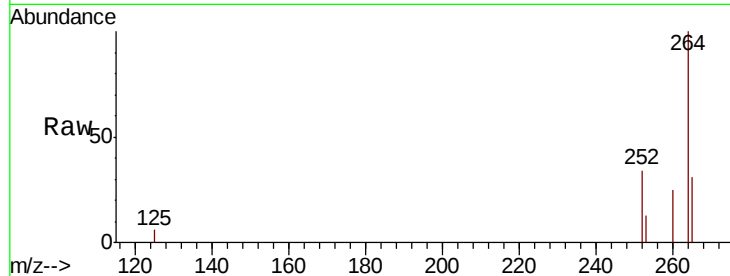




#34
Perylene-d12
Concen: 0.400 ng
RT: 23.49 min Scan# 2615
Delta R.T. -0.01 min
Lab File: BN005029.D
Acq: 29 Mar 2019 11:43

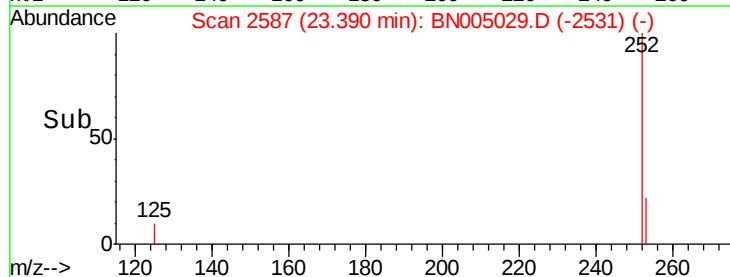
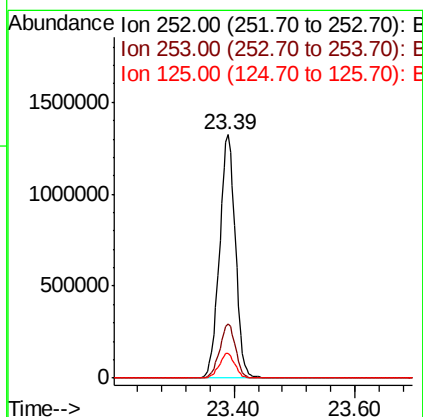
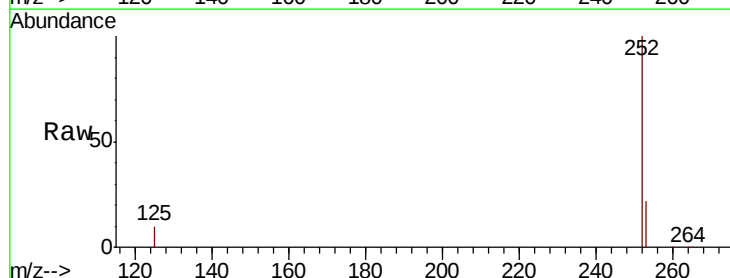
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

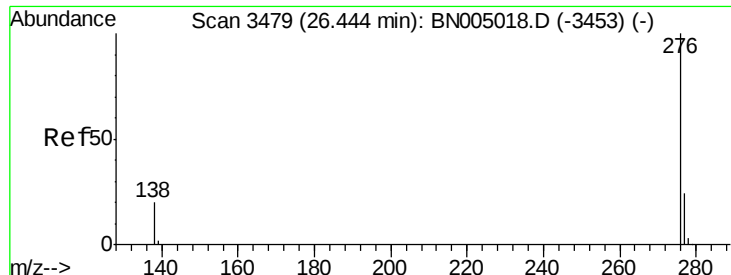
Tgt Ion:264 Resp: 13004
Ion Ratio Lower Upper
264 100
260 24.8 19.4 29.0
265 31.2 22.5 33.7



#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





#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

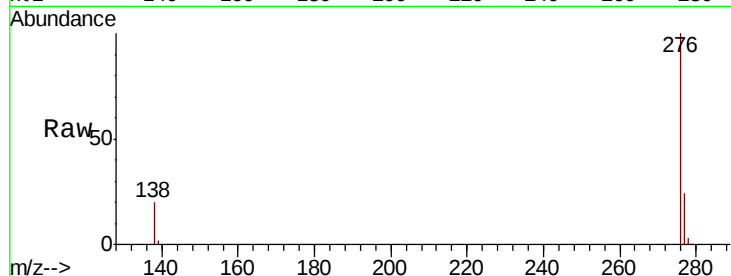
Tgt Ion: 276 Resp: 5645238

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

