

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032519\
 Data File : BN004969.D
 Acq On : 25 Mar 2019 20:04
 Operator : JU/SJ
 Sample : K2015-15 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-025-B030-031919

Quant Time: Mar 26 01:20:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 20 16:06:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	4525	0.40	ng	0.00
7) Naphthalene-d8	10.47	136	18581	0.40	ng	-0.03
13) Acenaphthene-d10	14.33	164	9329	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	18037	0.40	ng	-0.01
27) Chrysene-d12	21.29	240	18375	0.40	ng	0.00
34) Perylene-d12	23.54	264	20072	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.28	112	678	0.06	ng	0.00
5) Phenol-d6	6.87	99	877	0.06	ng	0.00
8) Nitrobenzene-d5	8.86	82	735	0.06	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	1527	0.05	ng	-0.01
14) 2,4,6-Tribromophenol	15.84	330	288	0.04	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	2080	0.05	ng	-0.01
25) Fluoranthene-d10	19.12	212	2287	0.04	ng	0.00
29) Terphenyl-d14	19.72	244	1784	0.05	ng	0.00

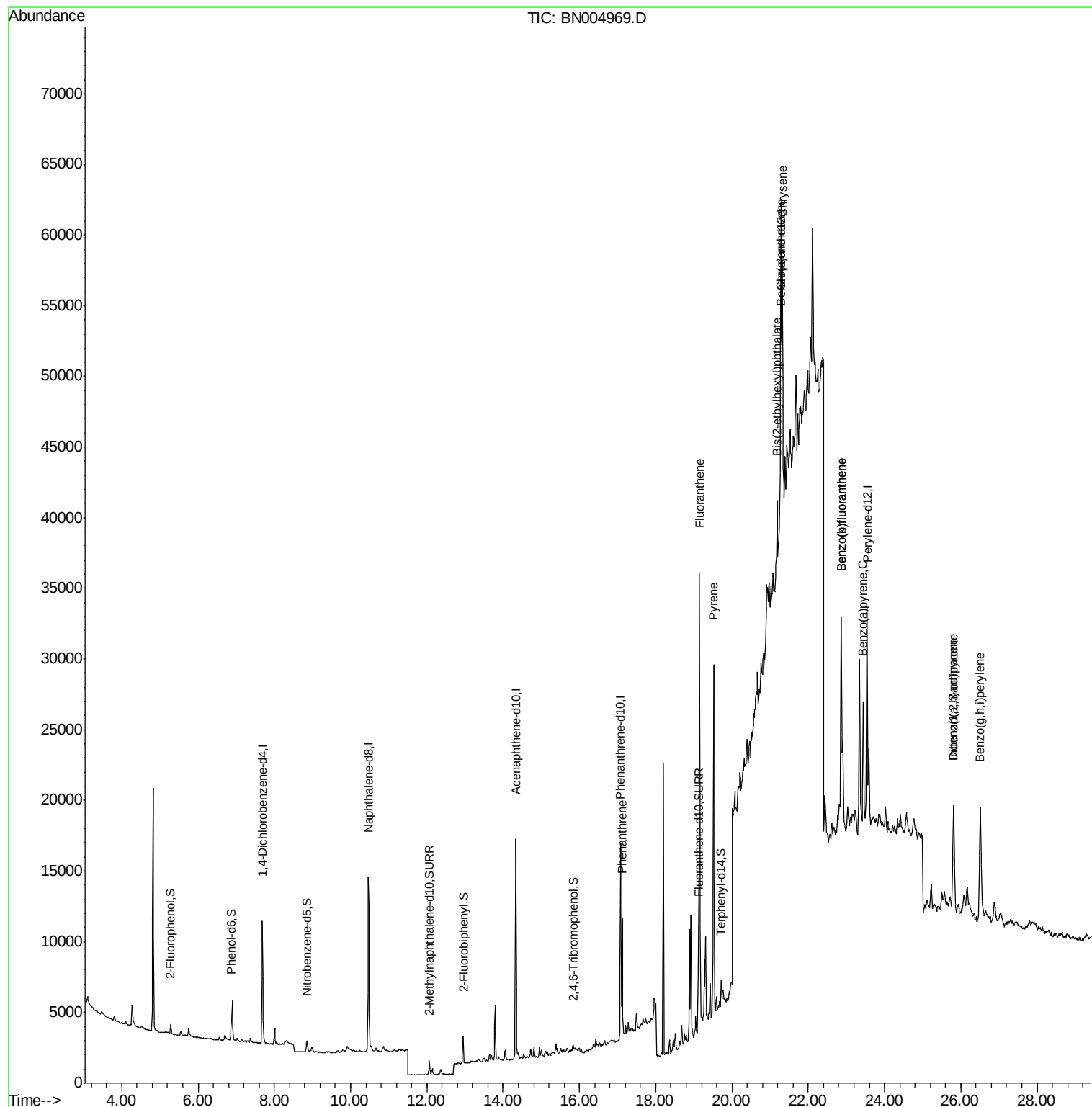
Target Compounds				Qvalue		
23) Phenanthrene	17.12	178	9034	0.155	ng	# 96
26) Fluoranthene	19.15	202	26362	0.352	ng	# 74
28) Pyrene	19.52	202	24077	0.430	ng	# 93
30) Benzo(a)anthracene	21.27	228	11201	0.186	ng	# 48
31) Chrysene	21.32	228	17638	0.278	ng	# 71
32) Bis(2-ethylhexyl)phthalate	21.18	149	3361	0.140	ng	# 70
33) Indeno(1,2,3-cd)pyrene	25.81	276	12006	0.131	ng	# 97
35) Benzo(b)fluoranthene	22.86	252	23892	0.329	ng	# 37
36) Benzo(k)fluoranthene	22.86	252	23892	0.334	ng	# 38
37) Benzo(a)pyrene	23.44	252	12078	0.181	ng	# 1
38) Dibenzo(a,h)anthracene	25.81	278	1606	0.021	ng	# 1
39) Benzo(g,h,i)perylene	26.51	276	16782	0.214	ng	# 53

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

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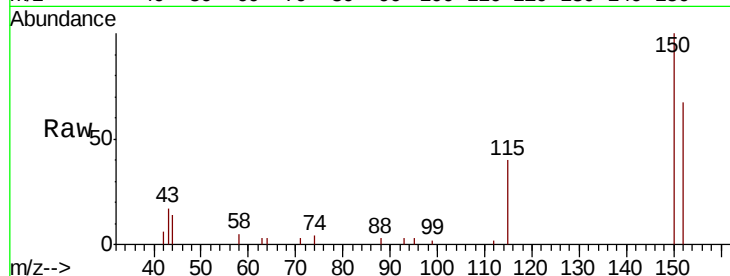


#1

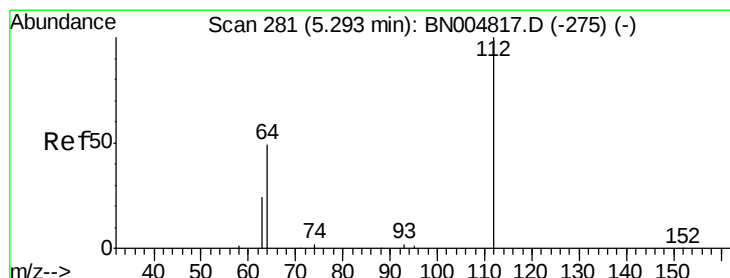
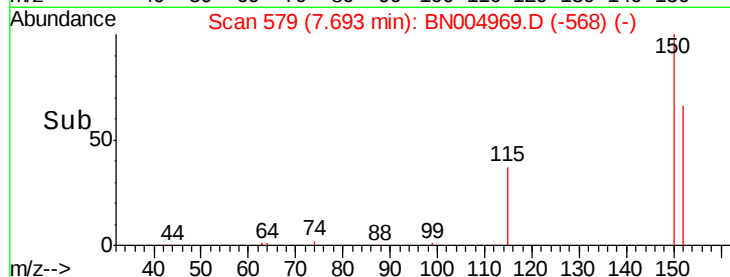
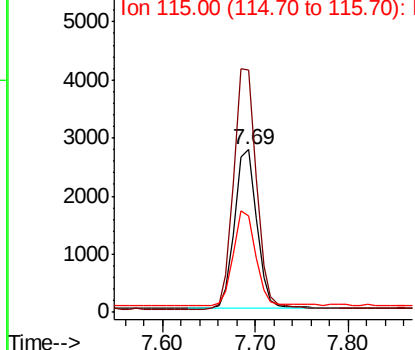
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 579
Delta R.T. -0.01 min
Lab File: BN004969.D
Acq: 25 Mar 2019 20:04

Instrument :
BNA_N
ClientSampleId :
PST-025-B030-031919

Tgt Ion:152 Resp: 4525
Ion Ratio Lower Upper
152 100
150 149.1 126.2 189.4
115 59.2 52.6 79.0



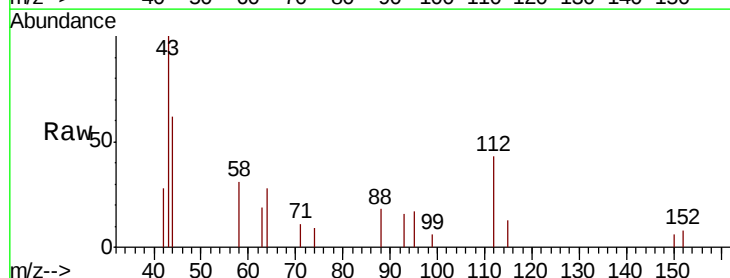
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



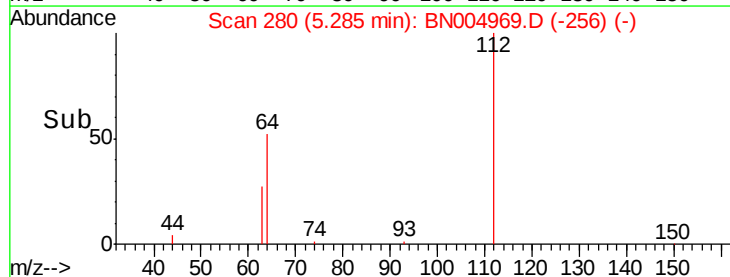
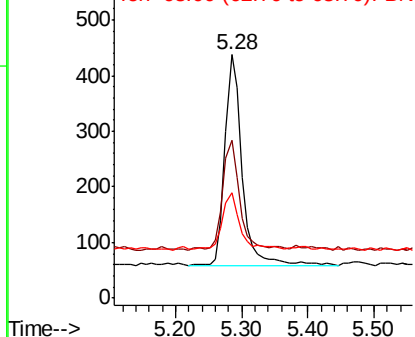
#4

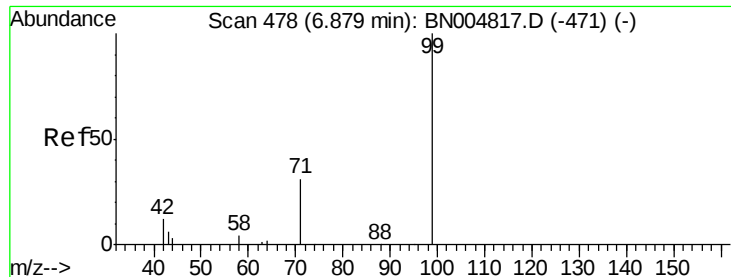
2-Fluorophenol
Concen: 0.055 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004969.D
Acq: 25 Mar 2019 20:04

Tgt Ion:112 Resp: 678
Ion Ratio Lower Upper
112 100
64 50.3 40.0 60.0
63 26.7 20.2 30.2



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





#5

Phenol-d6

Concen: 0.057 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004969.D

Acq: 25 Mar 2019 20:04

Instrument :

BNA_N

ClientSampleId :

PST-025-B030-031919

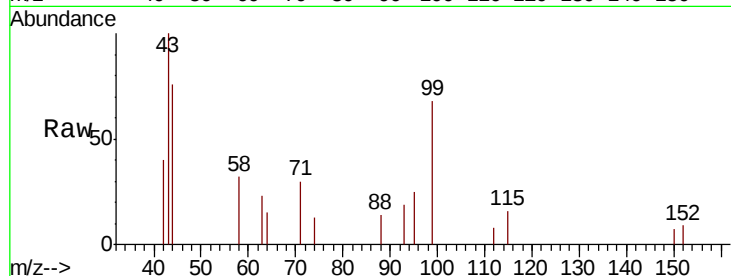
Tgt Ion: 99 Resp: 877

Ion Ratio Lower Upper

99 100

42 34.0 12.7 19.1#

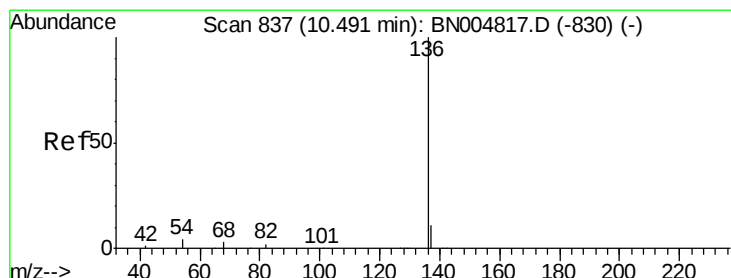
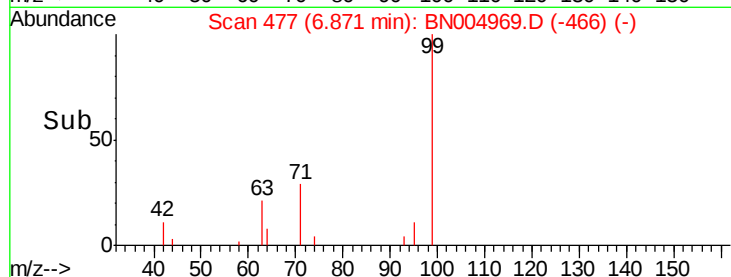
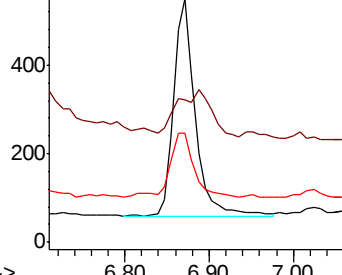
71 31.2 26.6 40.0



Abundance Ion 99.00 (98.70 to 99.70): BN004817.D (-471) (-)

Ion 42.00 (41.70 to 42.70): BN004817.D (-471) (-)

Ion 71.00 (70.70 to 71.70): BN004817.D (-471) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.47 min Scan# 835

Delta R.T. -0.03 min

Lab File: BN004969.D

Acq: 25 Mar 2019 20:04

Tgt Ion: 136 Resp: 18581

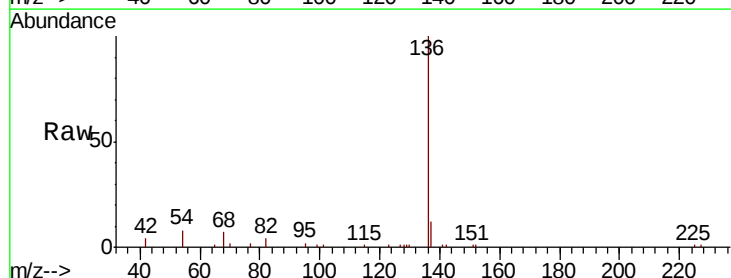
Ion Ratio Lower Upper

136 100

137 11.5 9.6 14.4

54 8.3 4.2 6.2#

68 7.2 3.9 5.9#

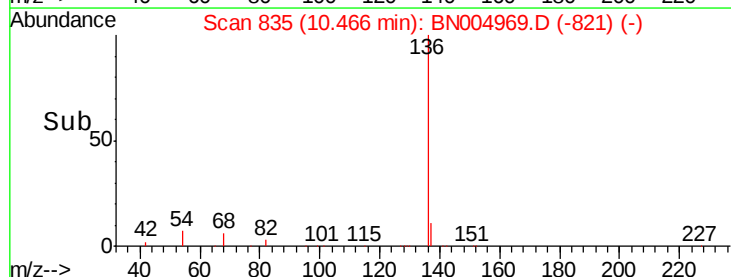
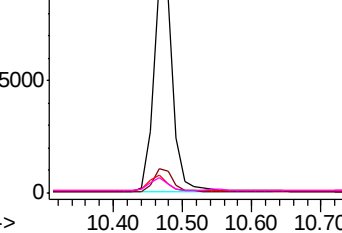


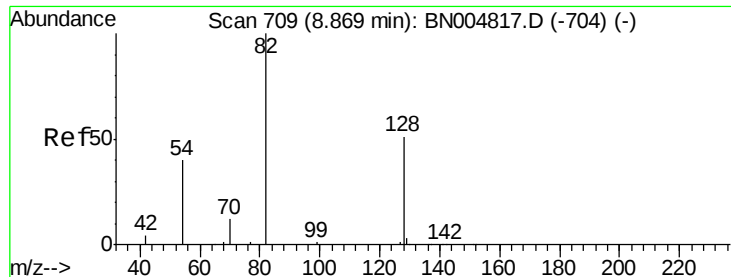
Abundance Ion 136.00 (135.70 to 136.70): BN004817.D (-830) (-)

Ion 137.00 (136.70 to 137.70): BN004817.D (-830) (-)

Ion 54.00 (53.70 to 54.70): BN004817.D (-830) (-)

Ion 68.00 (67.70 to 68.70): BN004817.D (-830) (-)





#8

Nitrobenzene-d5

Concen: 0.060 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004969.D

Acq: 25 Mar 2019 20:04

Instrument :

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PST-025-B030-031919

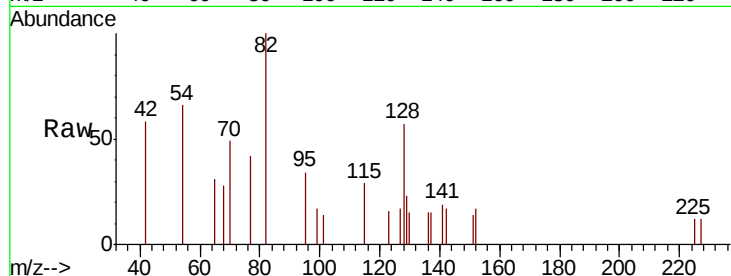
Tgt Ion: 82 Resp: 735

Ion Ratio Lower Upper

82 100

128 56.5 43.0 64.6

54 65.6 35.3 52.9#



Abundance Ion 82.00 (81.70 to 82.70): BN004817.D (-704) (-)

Ion 128.00 (127.70 to 128.70): BN004817.D (-704) (-)

Ion 54.00 (53.70 to 54.70): BN004817.D (-704) (-)

Time-->

8.86

400

300

200

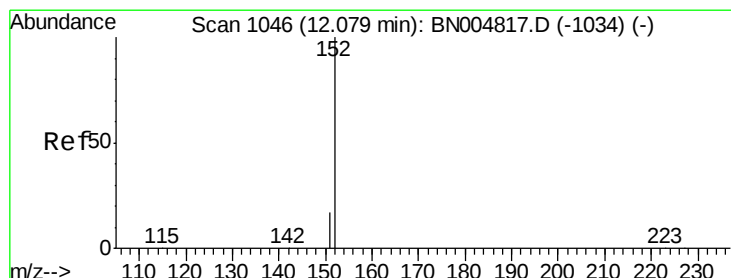
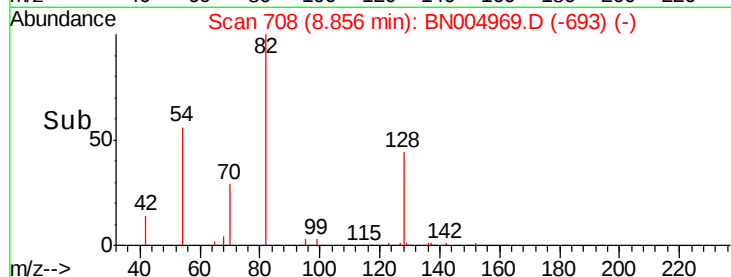
100

0

8.80

8.90

9.00



#11

2-Methylnaphthalene-d10

Concen: 0.047 ng

RT: 12.07 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BN004969.D

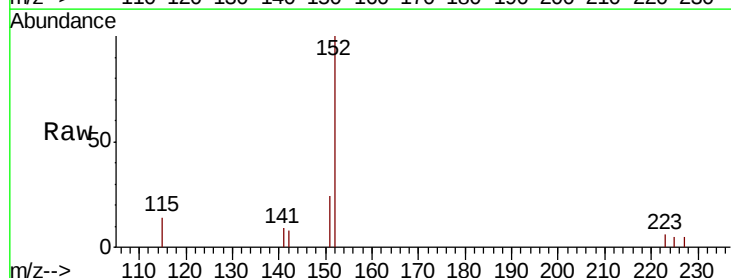
Acq: 25 Mar 2019 20:04

Tgt Ion: 152 Resp: 1527

Ion Ratio Lower Upper

152 100

151 19.8 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): BN004817.D (-1034) (-)

Ion 151.00 (150.70 to 151.70): BN004817.D (-1034) (-)

Time-->

12.07

1000

800

600

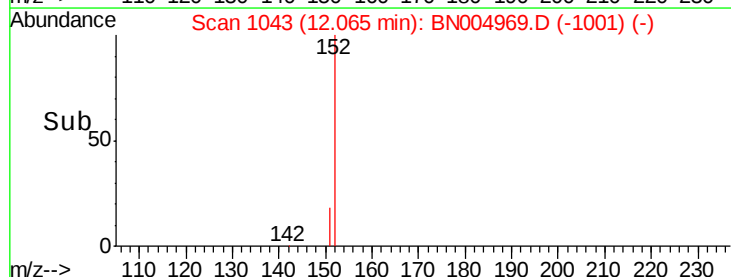
400

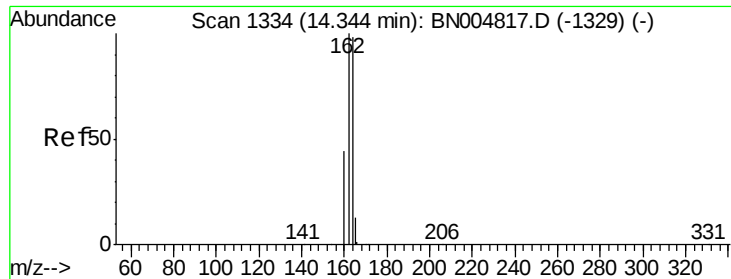
200

0

12.00

12.10





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004969.D

Acq: 25 Mar 2019 20:04

Instrument :

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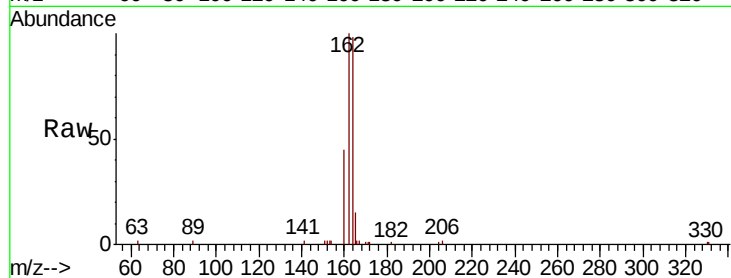
Tgt Ion:164 Resp: 9329

Ion Ratio Lower Upper

164 100

162 102.4 81.9 122.9

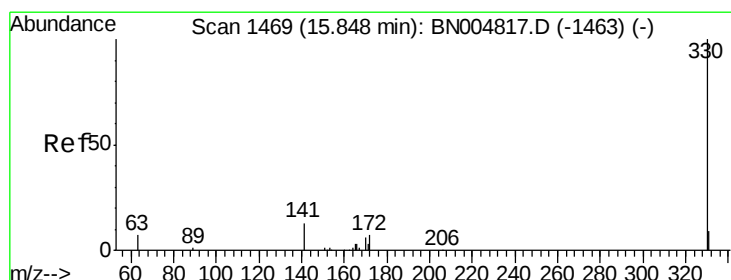
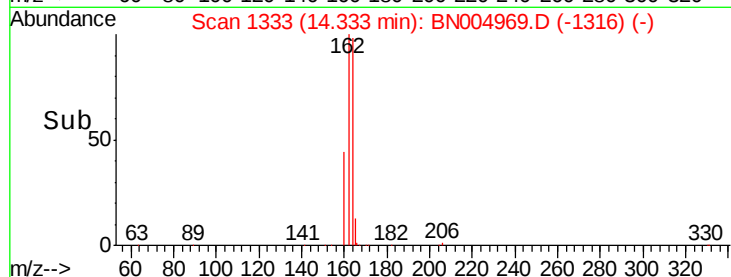
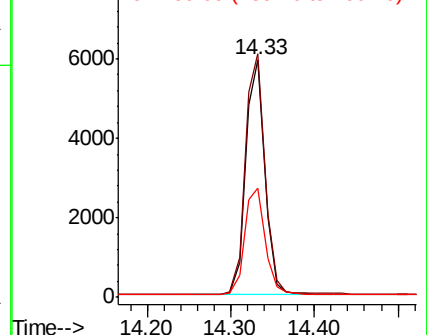
160 45.7 36.6 54.8



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: 0.045 ng

RT: 15.84 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BN004969.D

Acq: 25 Mar 2019 20:04

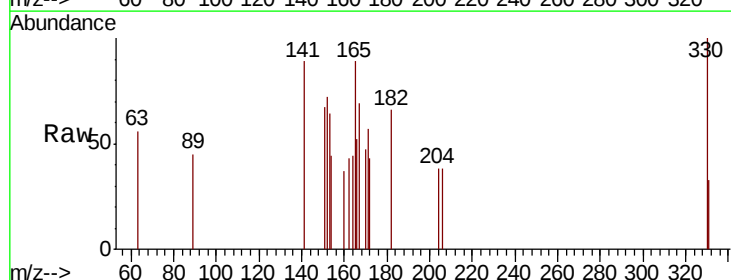
Tgt Ion:330 Resp: 288

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

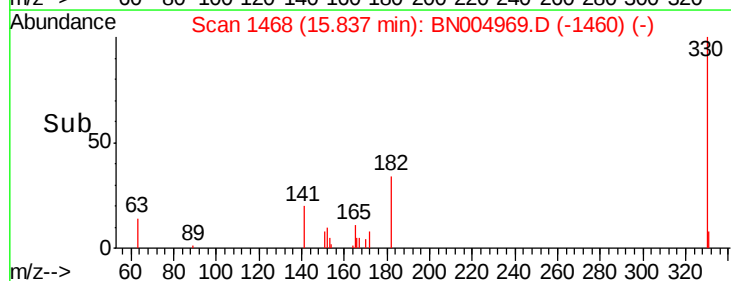
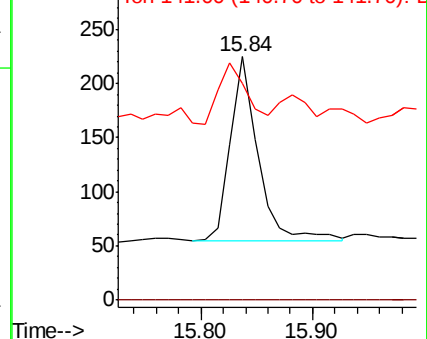
141 35.1 20.9 31.3#

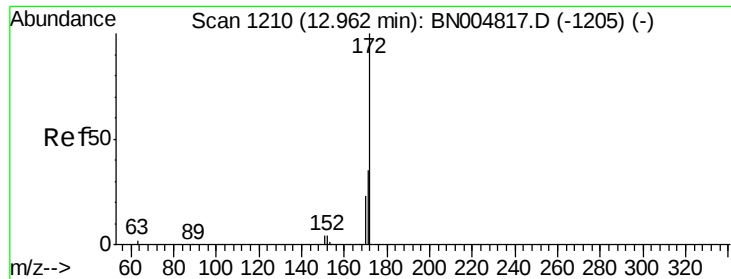


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

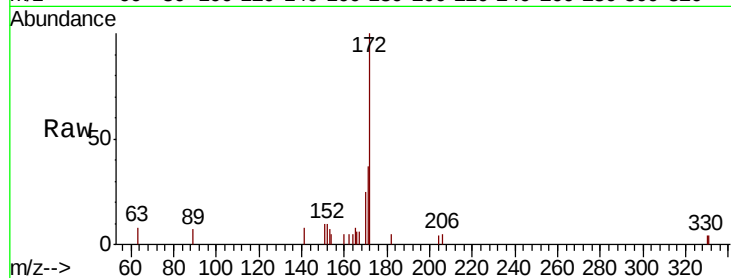




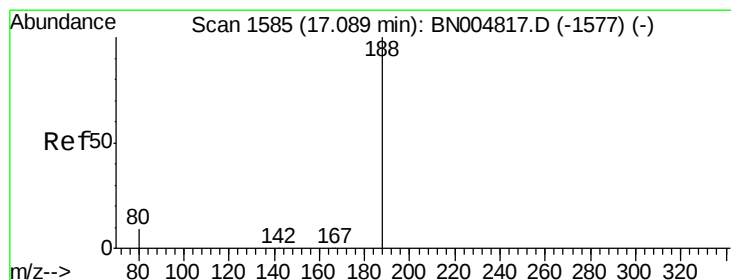
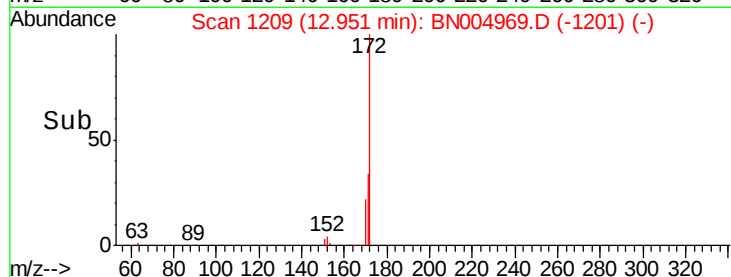
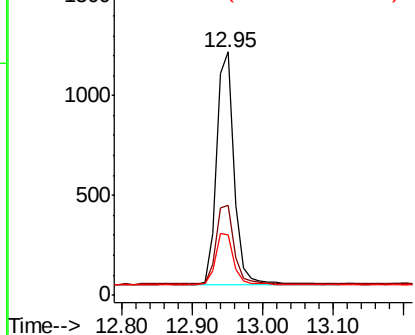
#15
 2-Fluorobiphenyl
 Concen: 0.054 ng
 RT: 12.95 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BN004969.D
 Acq: 25 Mar 2019 20:04

Instrument :
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Tgt Ion:172 Resp: 2080
 Ion Ratio Lower Upper
 172 100
 171 36.9 28.7 43.1
 170 25.0 18.7 28.1

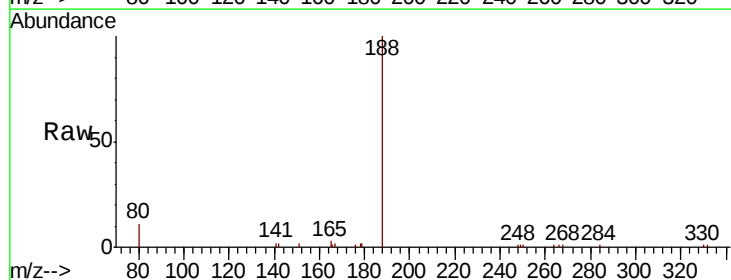


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

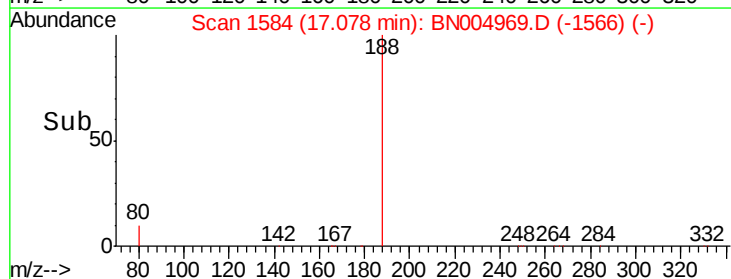
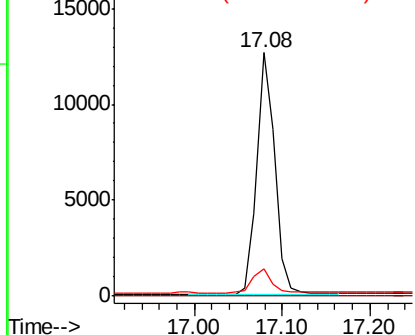


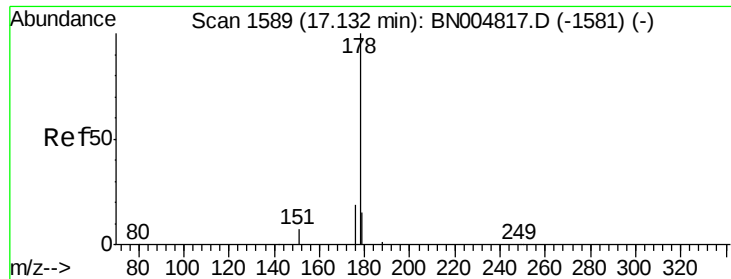
#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.08 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BN004969.D
 Acq: 25 Mar 2019 20:04

Tgt Ion:188 Resp: 18037
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 11.0 7.4 11.2



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





#23

Phenanthrene

Concen: 0.155 ng

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004969.D

Acq: 25 Mar 2019 20:04

Instrument :

BNA_N

ClientSampleId :

PST-025-B030-031919

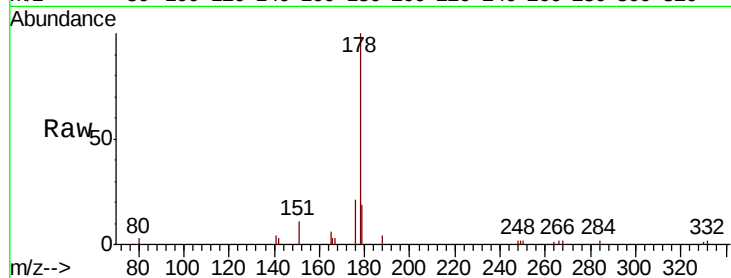
Tgt Ion:178 Resp: 9034

Ion Ratio Lower Upper

178 100

176 19.1 14.9 22.3

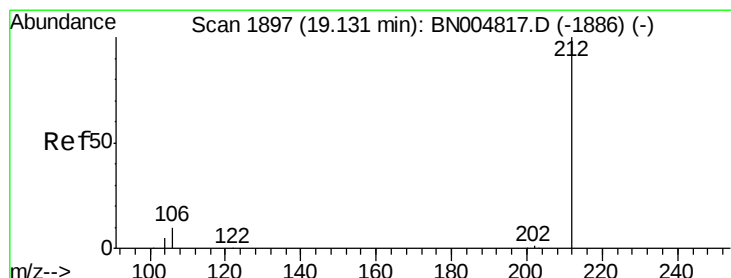
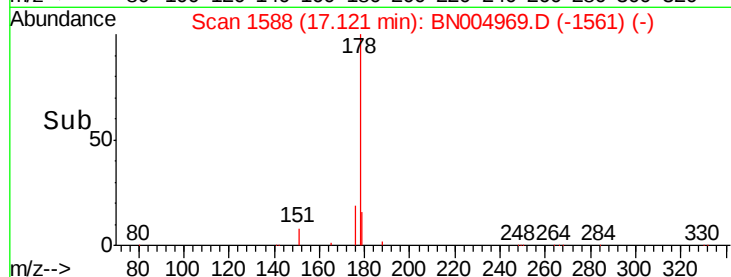
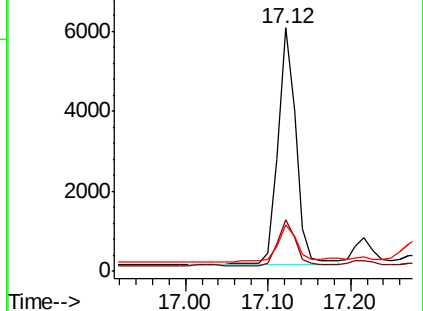
179 18.3 12.1 18.1#



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: 0.038 ng

RT: 19.12 min Scan# 1895

Delta R.T. -0.01 min

Lab File: BN004969.D

Acq: 25 Mar 2019 20:04

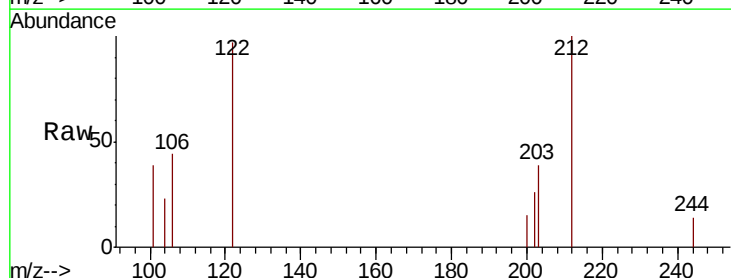
Tgt Ion:212 Resp: 2287

Ion Ratio Lower Upper

212 100

106 81.8 8.6 13.0#

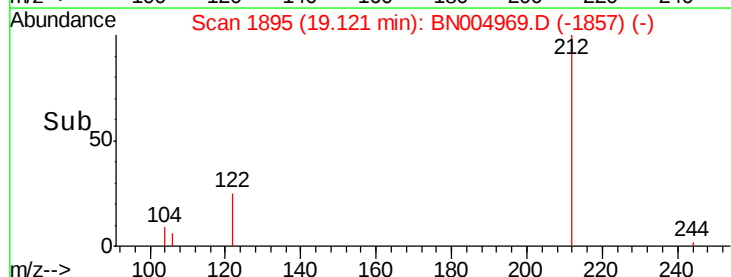
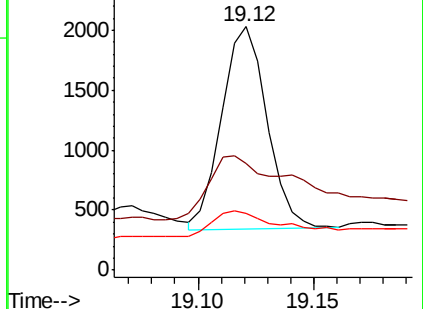
104 20.1 4.7 7.1#

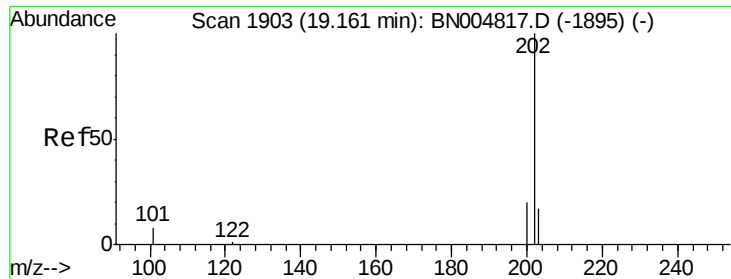


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.352 ng

RT: 19.15 min Scan# 1901

Delta R.T. -0.01 min

Lab File: BN004969.D

Acq: 25 Mar 2019 20:04

Instrument :

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PST-025-B030-031919

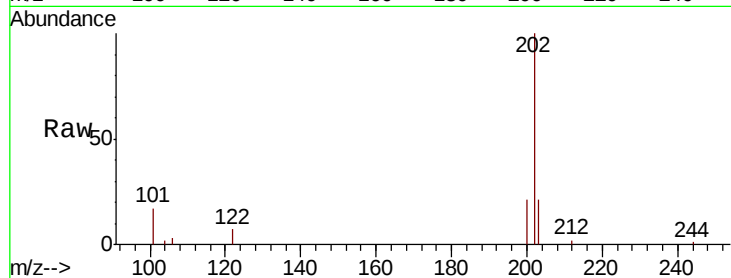
Tgt Ion:202 Resp: 26362

Ion Ratio Lower Upper

202 100

101 31.8 7.5 11.3#

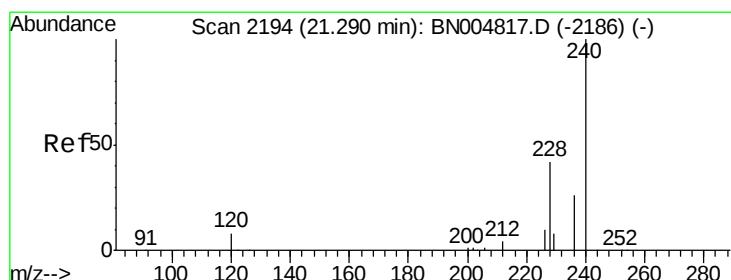
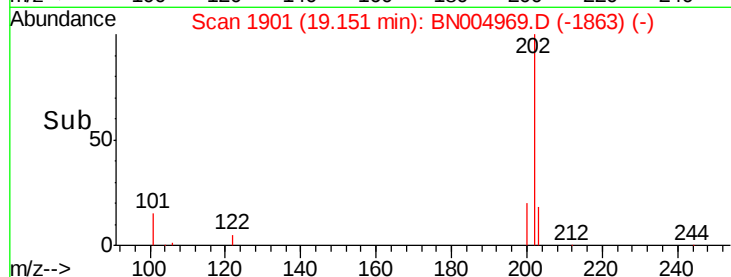
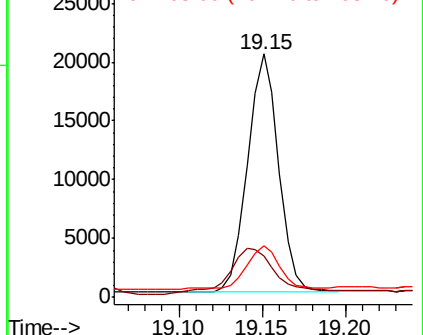
203 20.3 13.8 20.6



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: 21.29 min Scan# 2194

Delta R.T. -0.00 min

Lab File: BN004969.D

Acq: 25 Mar 2019 20:04

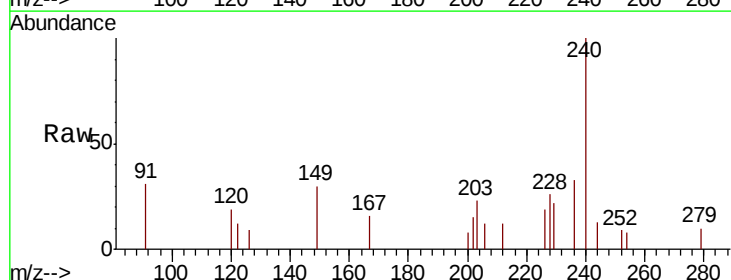
Tgt Ion:240 Resp: 18375

Ion Ratio Lower Upper

240 100

120 19.3 7.2 10.8#

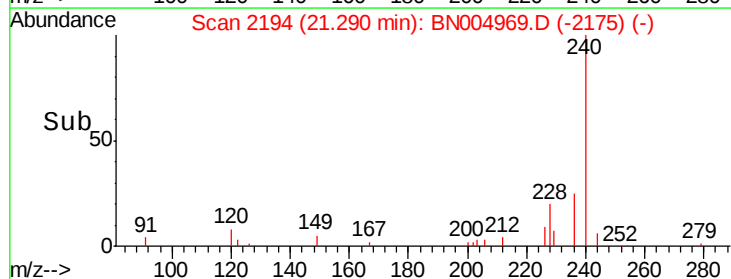
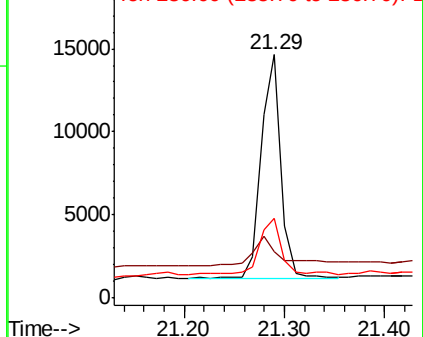
236 32.7 20.9 31.3#

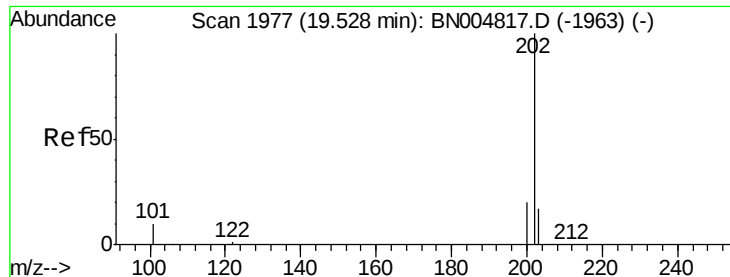


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pyrene

Concen: 0.430 ng

RT: 19.52 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BN004969.D

Acq: 25 Mar 2019 20:04

Instrument :

BNA_N

ClientSampleId :

PST-025-B030-031919

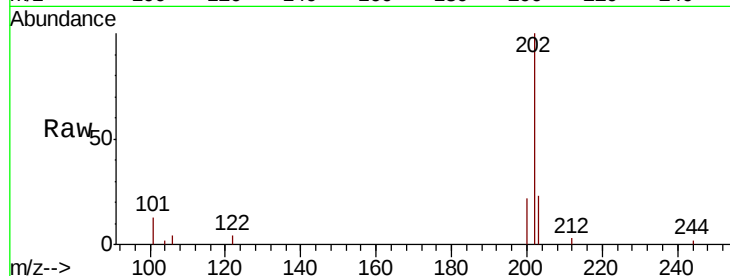
Tgt Ion:202 Resp: 24077

Ion Ratio Lower Upper

202 100

200 20.9 16.3 24.5

203 23.5 14.0 21.0#

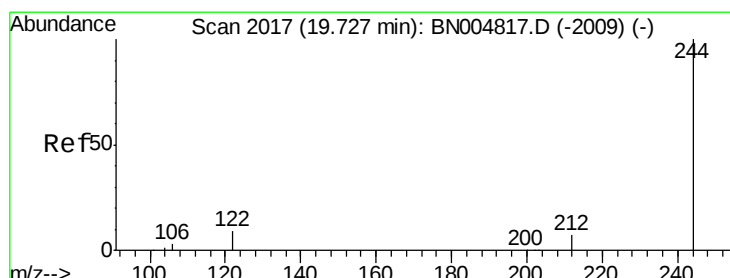
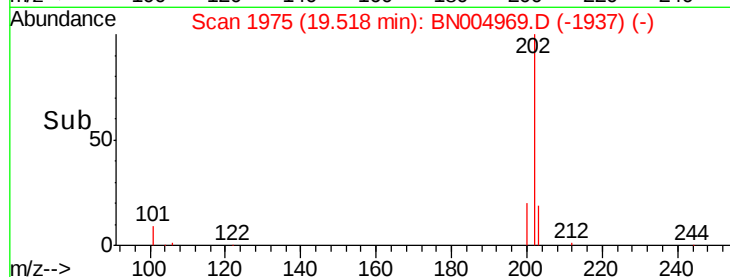
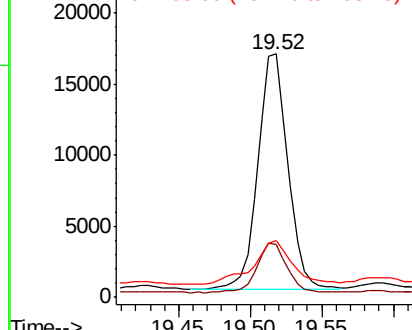


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29

Terphenyl-d14

Concen: 0.047 ng

RT: 19.72 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BN004969.D

Acq: 25 Mar 2019 20:04

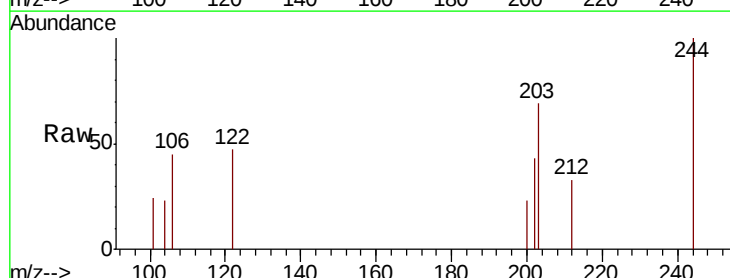
Tgt Ion:244 Resp: 1784

Ion Ratio Lower Upper

244 100

212 33.1 5.8 8.6#

122 47.5 7.9 11.9#

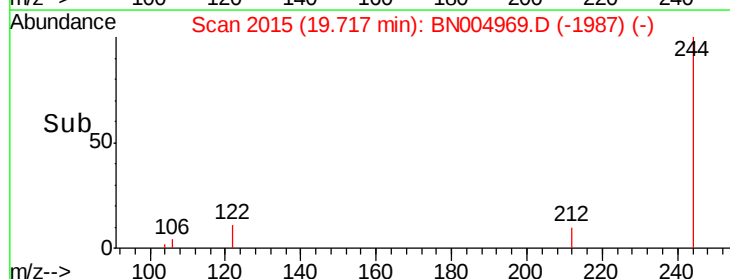
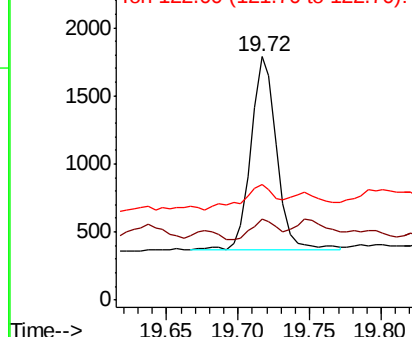


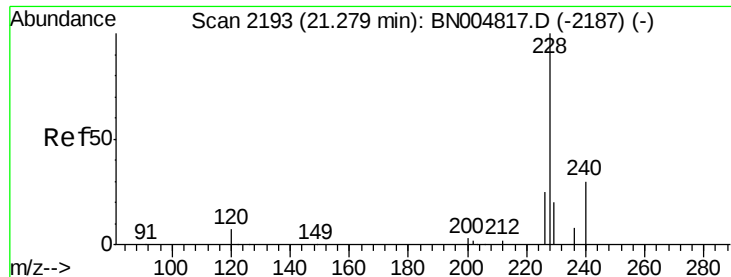
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.186 ng

RT: 21.27 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BN004969.D

Acq: 25 Mar 2019 20:04

Instrument :

BNA_N

ClientSampleId :

PST-025-B030-031919

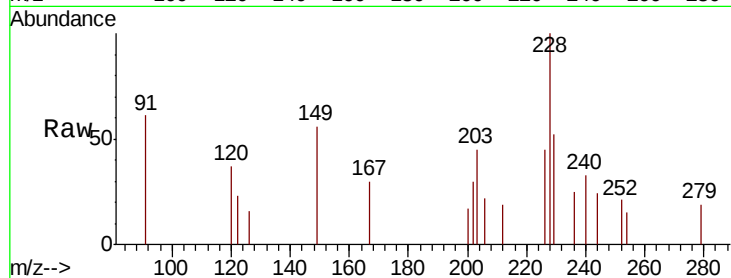
Tgt Ion:228 Resp: 11201

Ion Ratio Lower Upper

228 100

226 45.4 20.6 31.0#

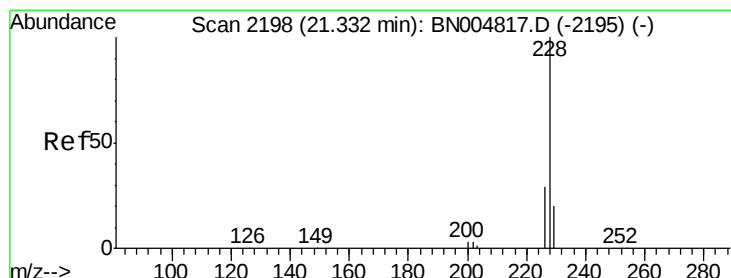
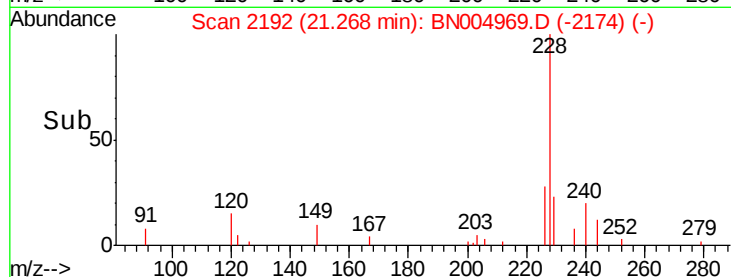
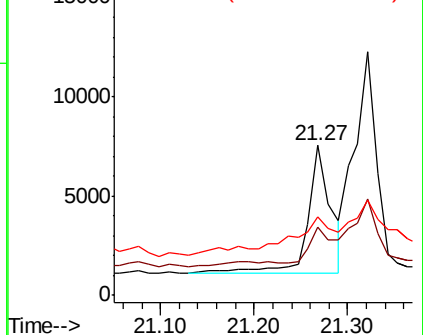
229 52.1 16.2 24.4#



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



#31

Chrysene

Concen: 0.278 ng

RT: 21.32 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BN004969.D

Acq: 25 Mar 2019 20:04

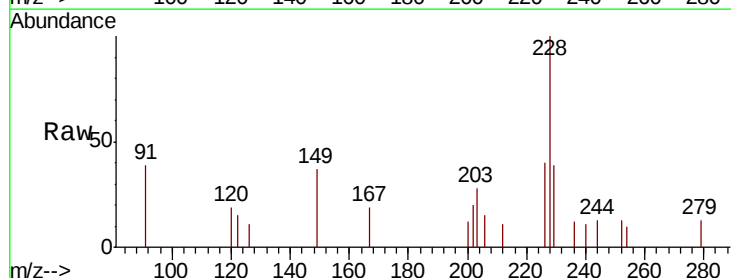
Tgt Ion:228 Resp: 17638

Ion Ratio Lower Upper

228 100

226 39.6 23.0 34.6#

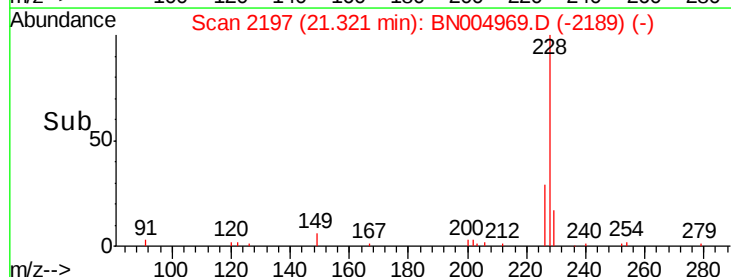
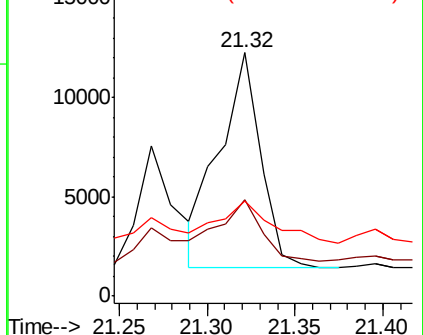
229 39.1 16.2 24.2#

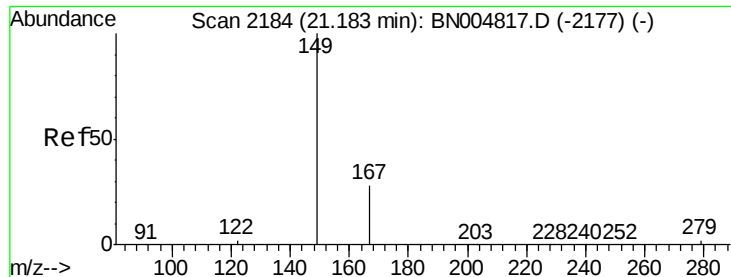


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.140 ng

RT: 21.18 min Scan# 2184

Delta R.T. -0.00 min

Lab File: BN004969.D

Acq: 25 Mar 2019 20:04

Instrument :

BNA_N

ClientSampleId :

PST-025-B030-031919

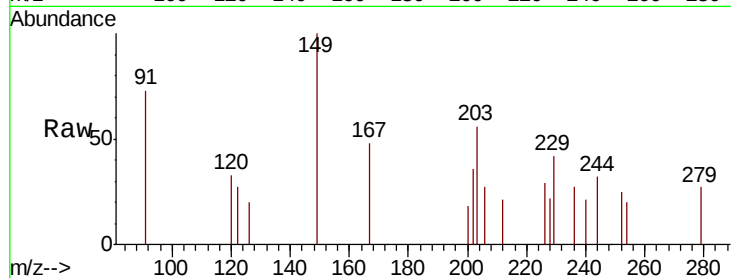
Tgt Ion:149 Resp: 3361

Ion Ratio Lower Upper

149 100

167 45.5 23.0 34.4#

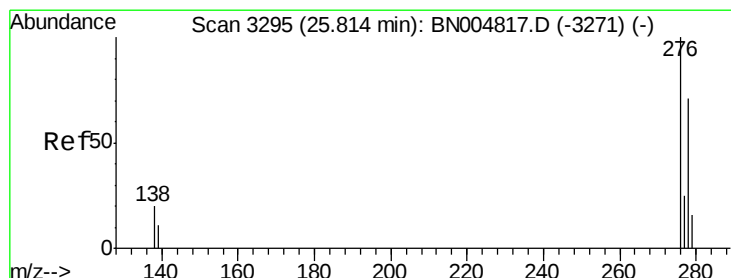
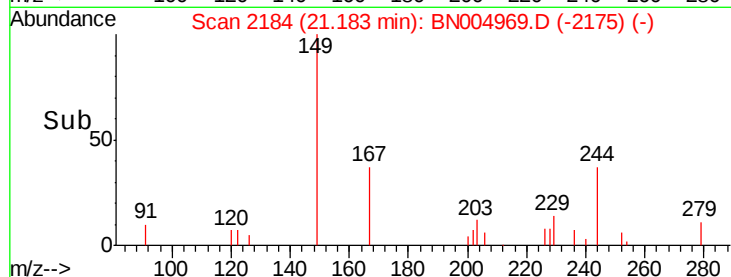
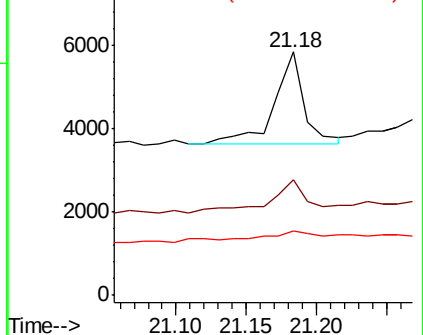
279 12.8 4.6 6.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.131 ng

RT: 25.81 min Scan# 3293

Delta R.T. -0.01 min

Lab File: BN004969.D

Acq: 25 Mar 2019 20:04

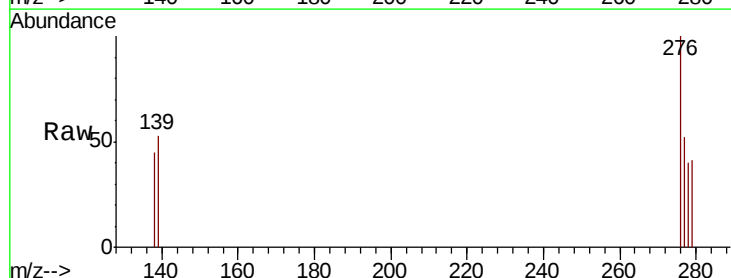
Tgt Ion:276 Resp: 12006

Ion Ratio Lower Upper

276 100

138 23.0 16.6 24.8

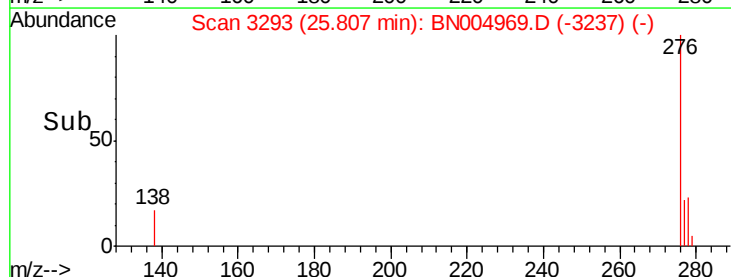
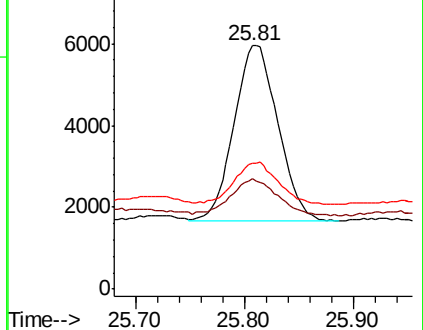
277 24.9 20.3 30.5

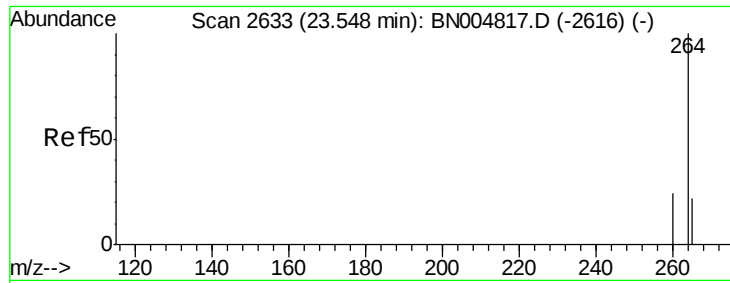


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

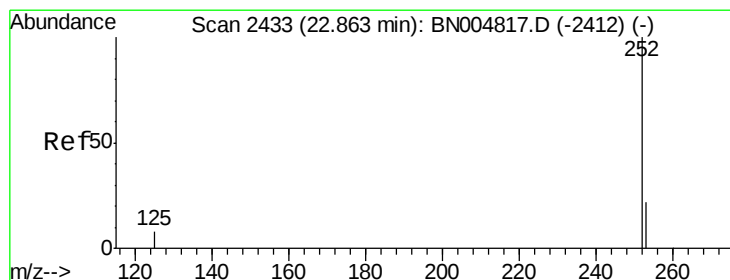
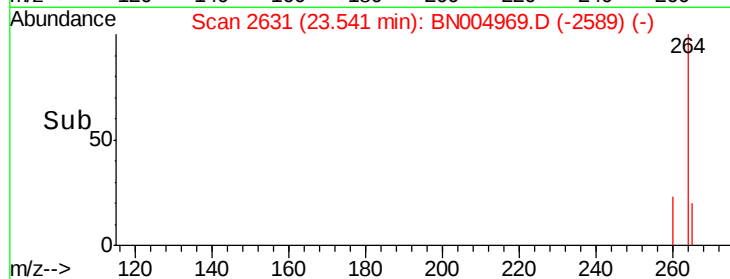
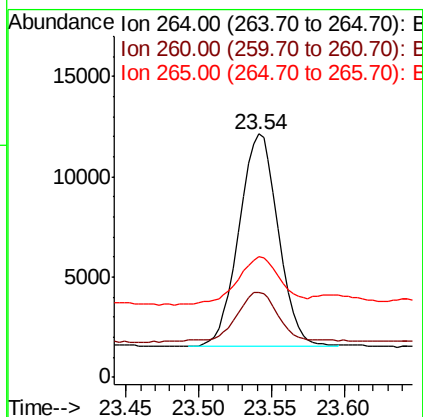
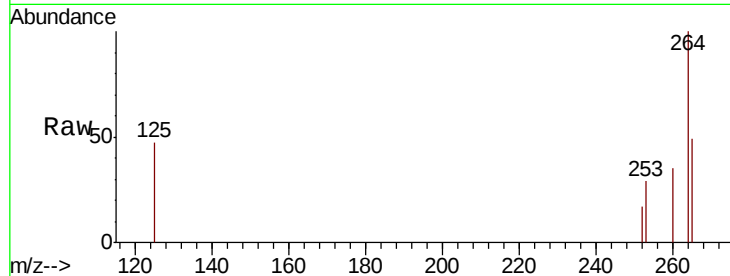




#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.54 min Scan# 2631
 Delta R.T. -0.01 min
 Lab File: BN004969.D
 Acq: 25 Mar 2019 20:04

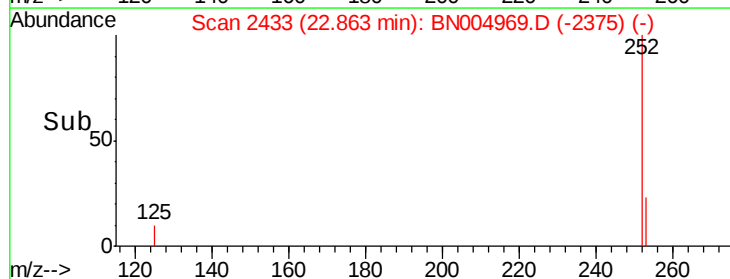
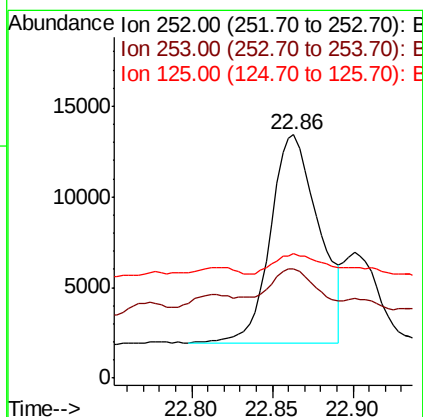
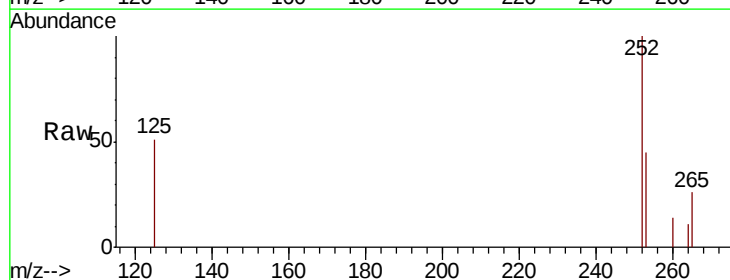
Instrument :
 BNA_N
 ClientSampleId :
 PST-025-B030-031919

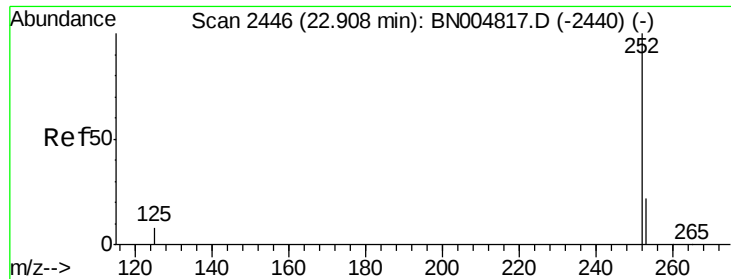
Tgt Ion: 264 Resp: 20072
 Ion Ratio Lower Upper
 264 100
 260 35.1 19.5 29.3#
 265 49.5 23.1 34.7#



#35
Benzo(b)fluoranthene
 Concen: 0.329 ng
 RT: 22.86 min Scan# 2433
 Delta R.T. -0.00 min
 Lab File: BN004969.D
 Acq: 25 Mar 2019 20:04

Tgt Ion: 252 Resp: 23892
 Ion Ratio Lower Upper
 252 100
 253 44.7 19.0 28.4#
 125 50.9 7.4 11.2#





#36

Benzo(k)fluoranthene

Concen: 0.334 ng

RT: 22.86 min Scan# 2433

Delta R.T. -0.04 min

Lab File: BN004969.D

Acq: 25 Mar 2019 20:04

Instrument :

BNA_N

ClientSampleId :

PST-025-B030-031919

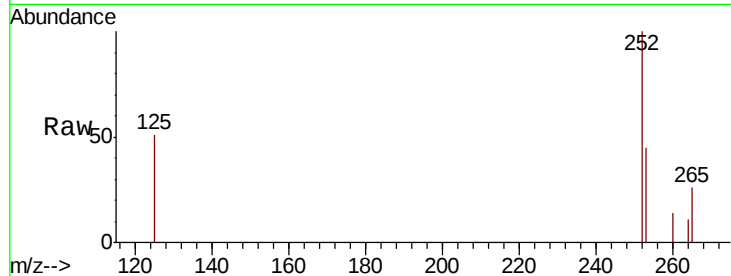
Tgt Ion:252 Resp: 23892

Ion Ratio Lower Upper

252 100

253 44.7 19.3 28.9#

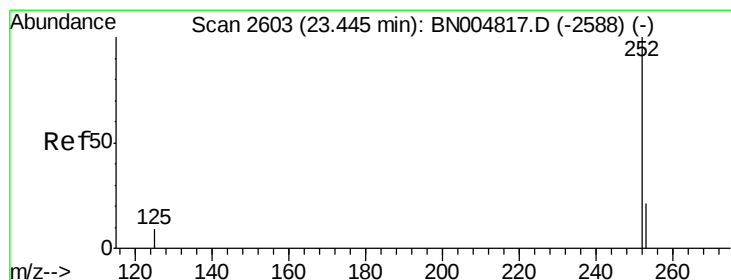
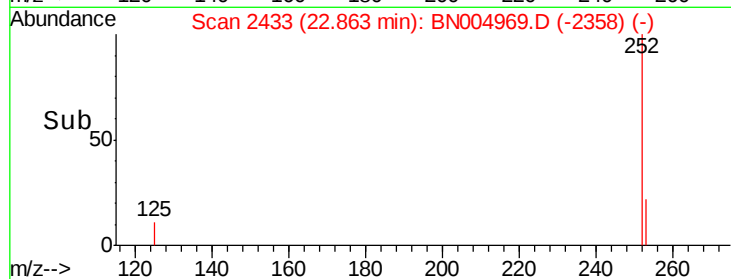
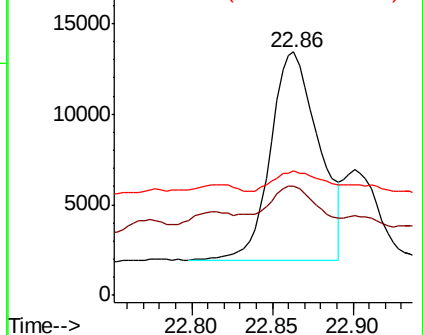
125 50.9 7.4 11.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#37

Benzo(a)pyrene

Concen: 0.181 ng

RT: 23.44 min Scan# 2602

Delta R.T. -0.00 min

Lab File: BN004969.D

Acq: 25 Mar 2019 20:04

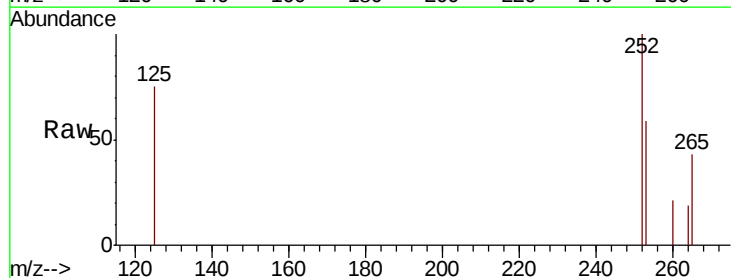
Tgt Ion:252 Resp: 12078

Ion Ratio Lower Upper

252 100

253 59.0 19.7 29.5#

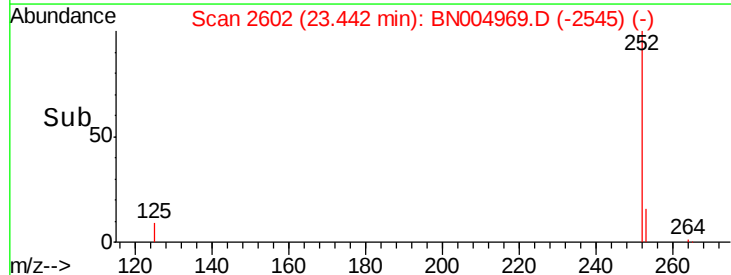
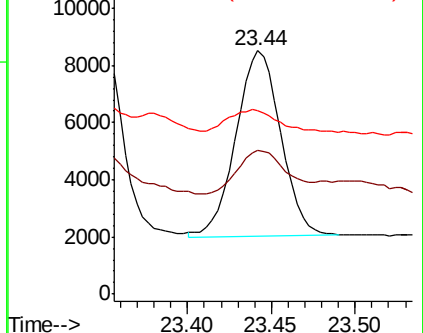
125 75.3 8.3 12.5#

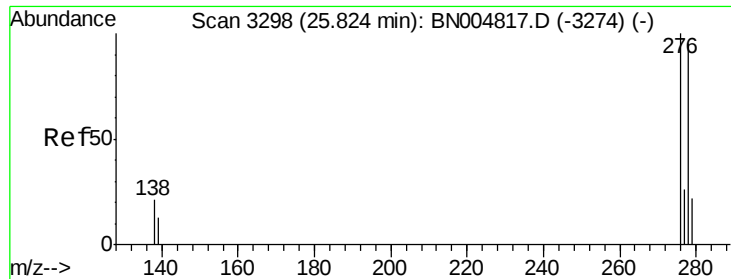


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.021 ng

RT: 25.81 min Scan# 3293

Delta R.T. -0.02 min

Lab File: BN004969.D

Acq: 25 Mar 2019 20:04

Instrument :

BNA_N

ClientSampleId :

PST-025-B030-031919

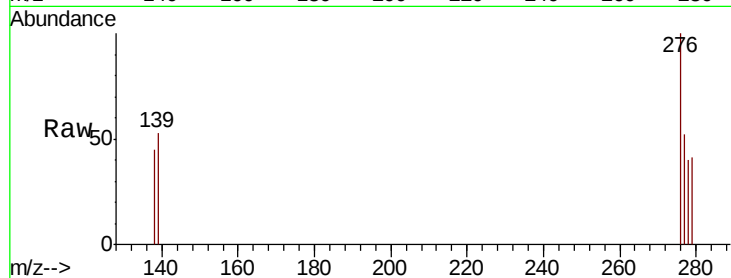
Tgt Ion: 278 Resp: 1606

Ion Ratio Lower Upper

278 100

139 131.8 11.7 17.5#

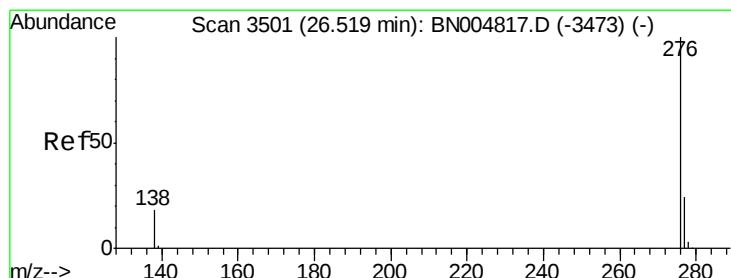
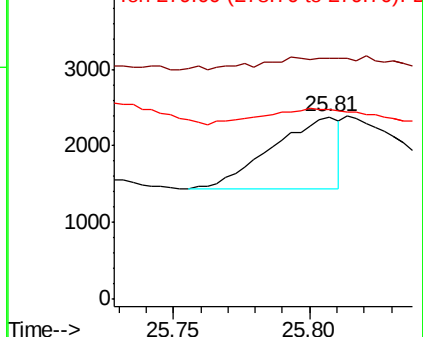
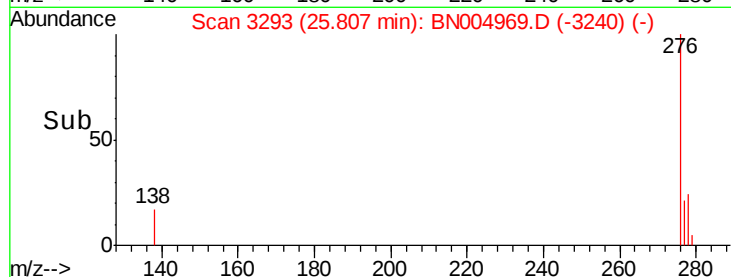
279 103.7 19.9 29.9#



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(g,h,i)perylene

Concen: 0.214 ng

RT: 26.51 min Scan# 3499

Delta R.T. -0.01 min

Lab File: BN004969.D

Acq: 25 Mar 2019 20:04

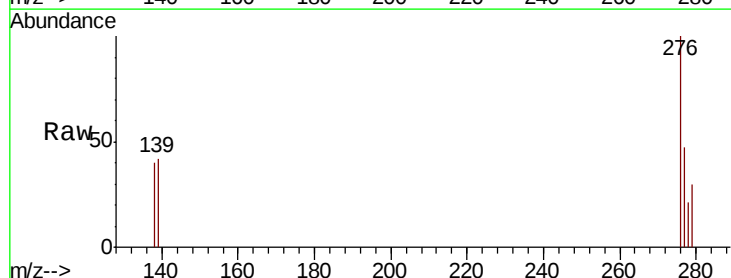
Tgt Ion: 276 Resp: 16782

Ion Ratio Lower Upper

276 100

277 47.3 19.7 29.5#

138 40.0 14.6 22.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

