

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004887.D
 Acq On : 22 Mar 2019 13:38
 Operator : JU/SJ
 Sample : K1817-12
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-028-B103-030619

Quant Time: Mar 22 22:19:04 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	7.70	152	2136	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	10094	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	6297	0.40	ng	-0.01
19) Phenanthrene-d10	17.09	188	15704	0.40	ng	0.00
27) Chrysene-d12	21.29	240	20396	0.40	ng	0.00
34) Perylene-d12	23.54	264	21178	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.29	112	2059	0.35	ng	0.00
5) Phenol-d6	6.87	99	2692	0.37	ng	0.00
8) Nitrobenzene-d5	8.87	82	1983	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	12.07	152	5078	0.29	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	1155	0.27	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	7713	0.30	ng	-0.01
25) Fluoranthene-d10	19.13	212	14047	0.27	ng	0.00
29) Terphenyl-d14	19.72	244	10942	0.26	ng	0.00

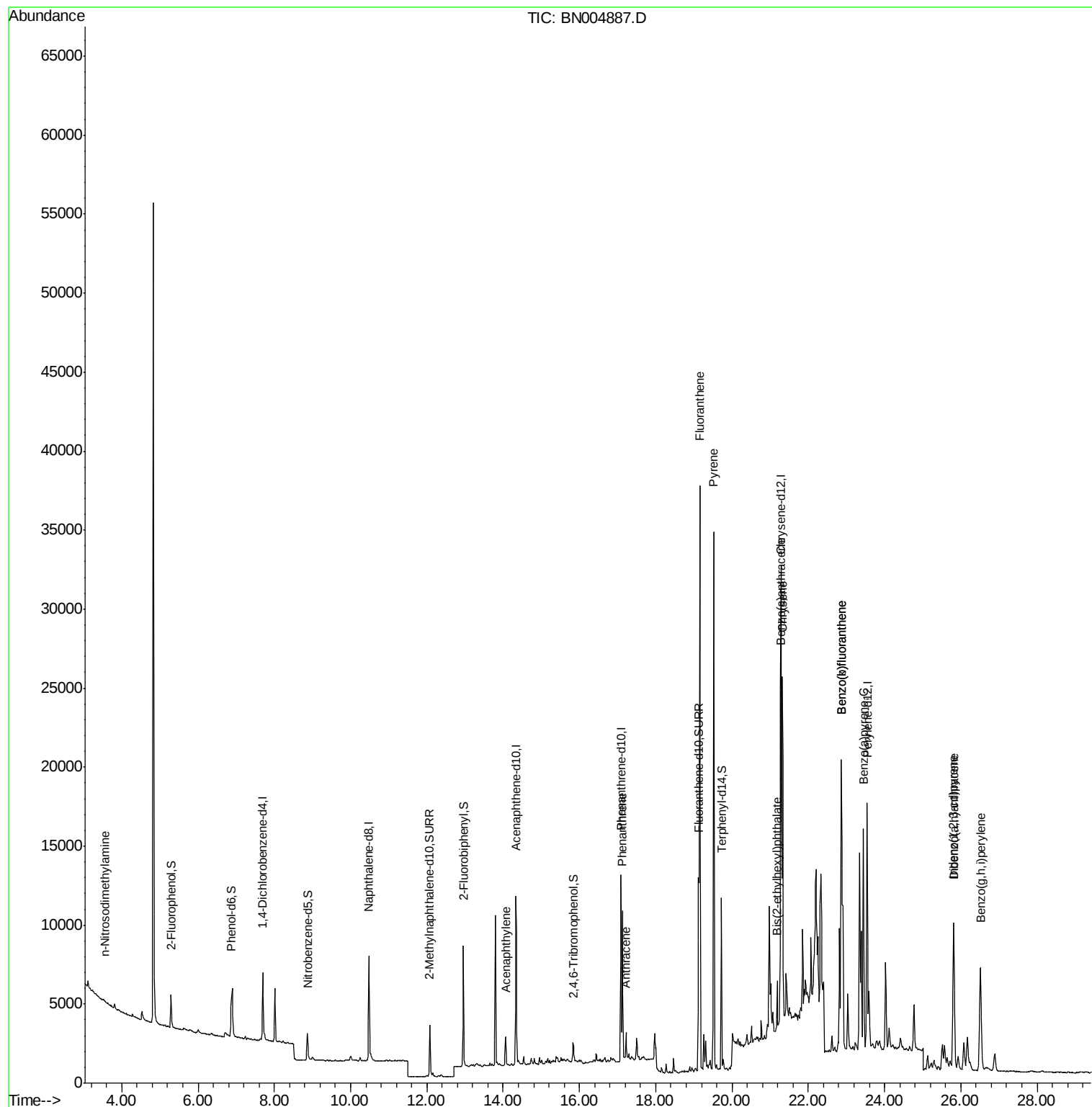
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.56	42	54	0.038	ng	# 1
16) Acenaphthylene	14.07	152	2520	0.078	ng	99
23) Phenanthrene	17.13	178	9605	0.189	ng	99
24) Anthracene	17.23	178	1918	0.042	ng	# 91
26) Fluoranthene	19.16	202	33045	0.507	ng	99
28) Pyrene	19.52	202	32146	0.517	ng	# 96
30) Benzo(a)anthracene	21.27	228	19307	0.289	ng	96
31) Chrysene	21.32	228	19825	0.281	ng	96
32) Bis(2-ethylhexyl)phthalate	21.18	149	2793	0.105	ng	97
33) Indeno(1,2,3-cd)pyrene	25.81	276	14505	0.142	ng	98
35) Benzo(b)fluoranthene	22.87	252	29555	0.386	ng	# 95
36) Benzo(k)fluoranthene	22.87	252	29555	0.392	ng	# 95
37) Benzo(a)pyrene	23.45	252	18802	0.268	ng	# 95
38) Dibenzo(a,h)anthracene	25.82	278	3911	0.048	ng	# 64
39) Benzo(g,h,i)perylene	26.51	276	14294	0.172	ng	97

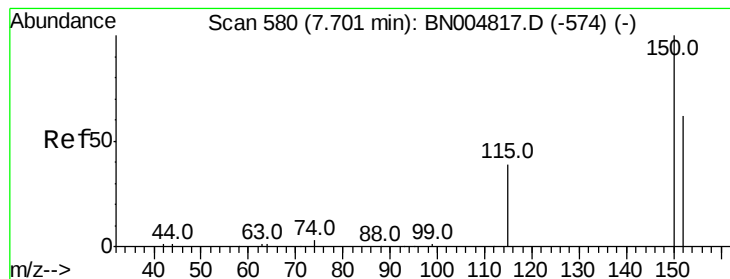
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.70 min Scan# 580

Delta R.T. -0.00 min

Lab File: BN004887.D

Acq: 22 Mar 2019 13:38

Instrument :

BNA_N

ClientSampleId :

PST-028-B103-030619

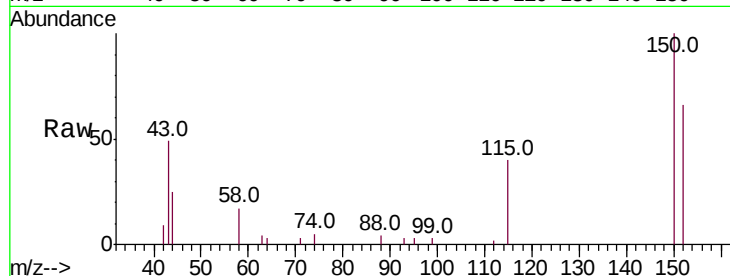
Tot Ion:152 Resp: 2136

Ion Ratio Lower Upper

152 100

150 152.5 126.2 189.4

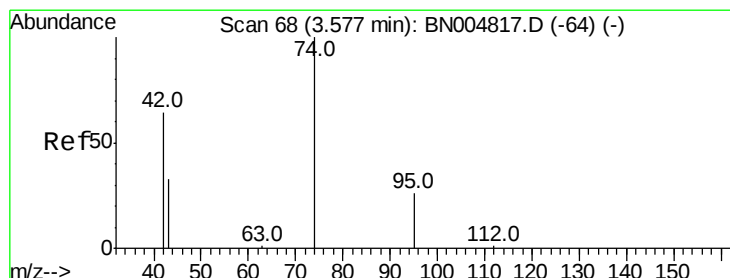
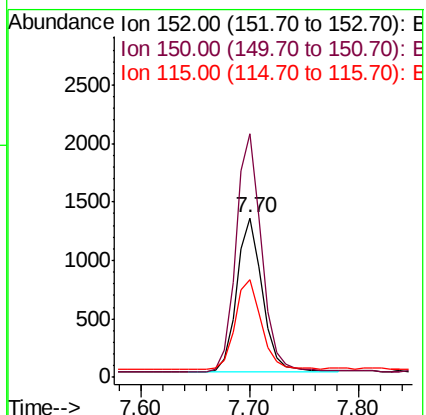
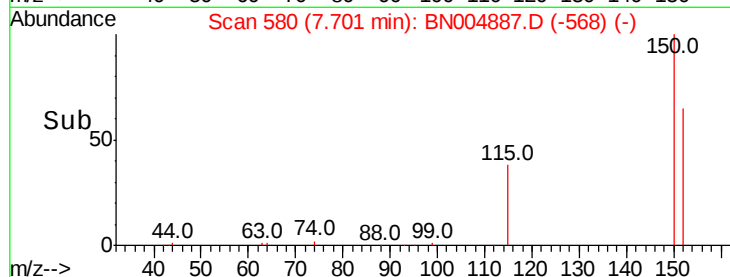
115 61.3 52.6 79.0



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



#3

n-Nitrosodimethylamine

Concen: 0.038 ng

RT: 3.56 min Scan# 66

Delta R.T. -0.02 min

Lab File: BN004887.D

Acq: 22 Mar 2019 13:38

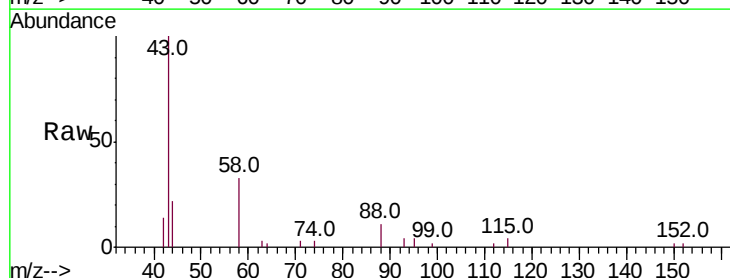
Tgt Ion: 42 Resp: 54

Ion Ratio Lower Upper

42 100

74 20.4 128.4 192.6#

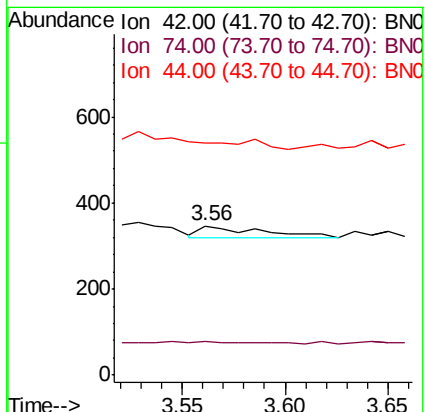
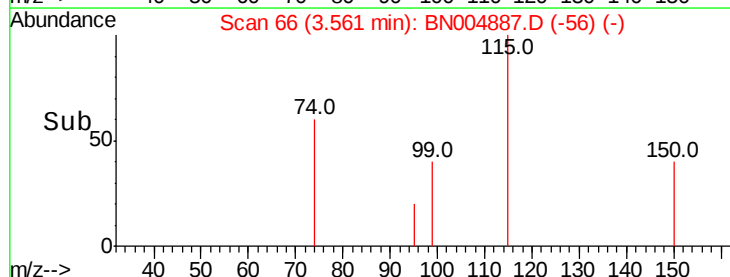
44 0.0 6.1 9.1#

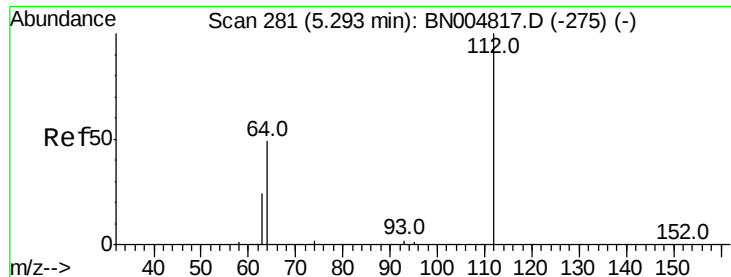


Abundance Ion 42.00 (41.70 to 42.70): BNC

Ion 74.00 (73.70 to 74.70): BNC

Ion 44.00 (43.70 to 44.70): BNC





#4

2-Fluorophenol

Concen: 0.355 ng

RT: 5.29 min Scan# 281

Delta R.T. -0.00 min

Lab File: BN004887.D

Acq: 22 Mar 2019 13:38

Instrument :

BNA_N

ClientSampleId :

PST-028-B103-030619

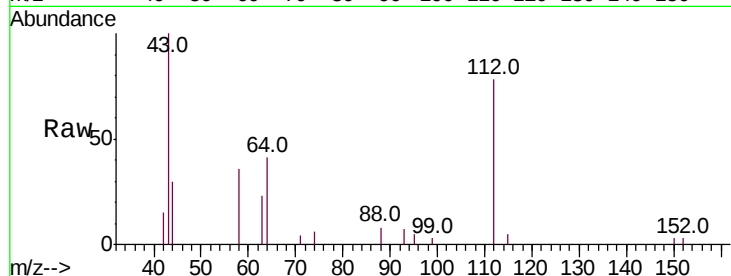
Tot Ion:112 Resp: 2059

Ion Ratio Lower Upper

112 100

64 51.8 40.0 60.0

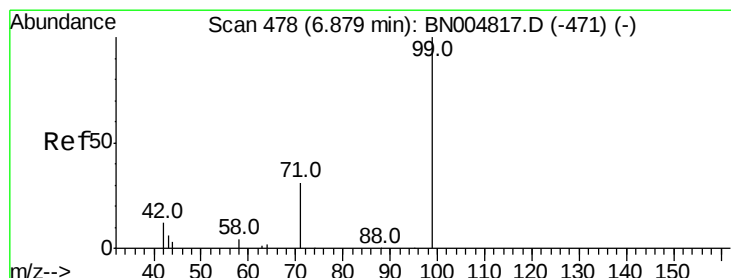
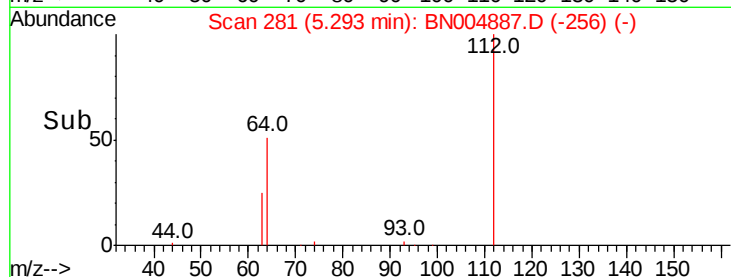
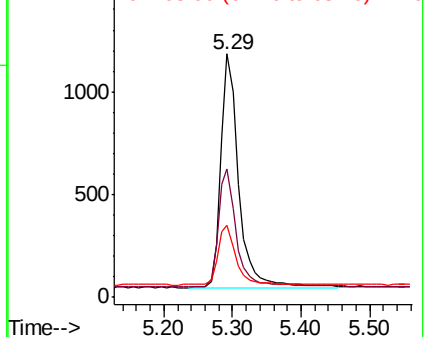
63 25.8 20.2 30.2



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: 0.372 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004887.D

Acq: 22 Mar 2019 13:38

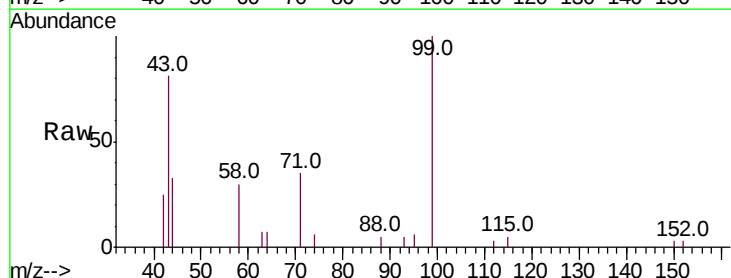
Tgt Ion: 99 Resp: 2692

Ion Ratio Lower Upper

99 100

42 22.7 12.7 19.1#

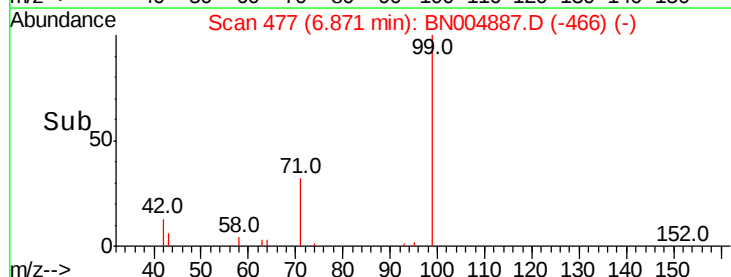
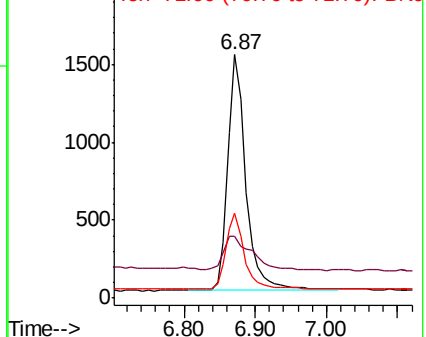
71 31.9 26.6 40.0

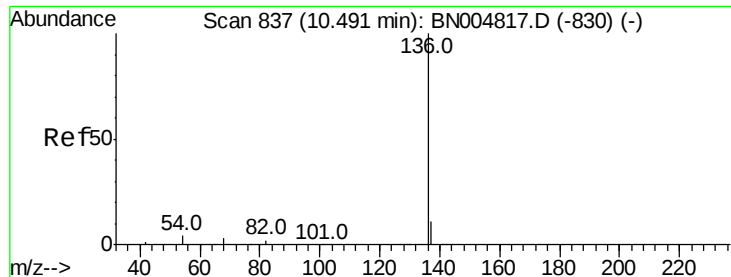


Abundance Ion 99.00 (98.70 to 99.70): BNC

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: 10.48 min Scan# 836

Delta R.T. -0.01 min

Lab File: BN004887.D

Acq: 22 Mar 2019 13:38

Instrument :

BNA_N

ClientSampleId :

PST-028-B103-030619

Tot Ion:136 Resp: 10094

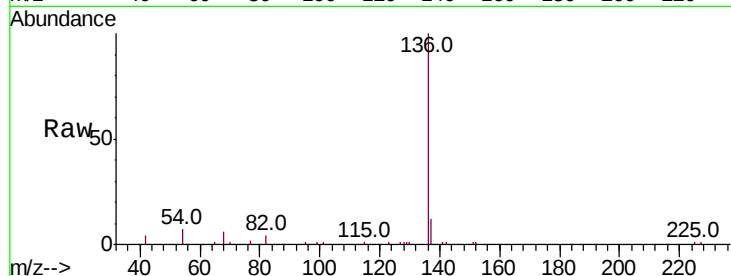
Ion Ratio Lower Upper

136 100

137 11.6 9.6 14.4

54 7.5 4.2 6.2#

68 6.3 3.9 5.9#

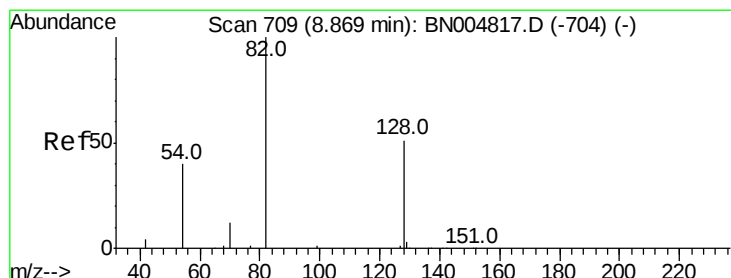
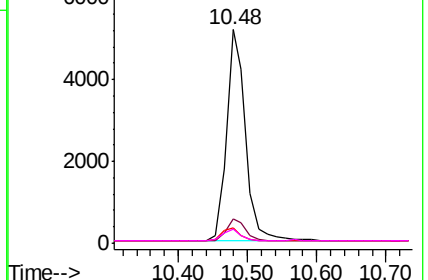
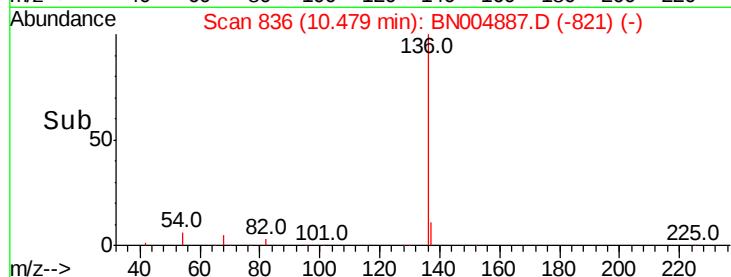


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.297 ng

RT: 8.87 min Scan# 709

Delta R.T. -0.00 min

Lab File: BN004887.D

Acq: 22 Mar 2019 13:38

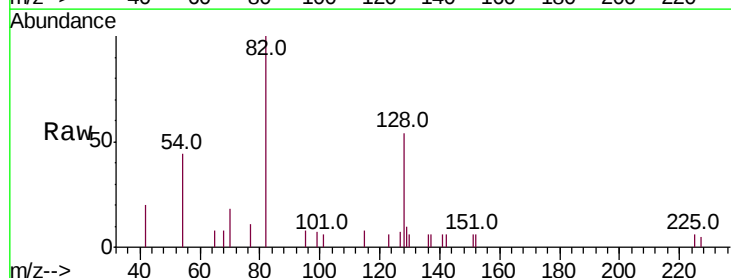
Tgt Ion: 82 Resp: 1983

Ion Ratio Lower Upper

82 100

128 54.4 43.0 64.6

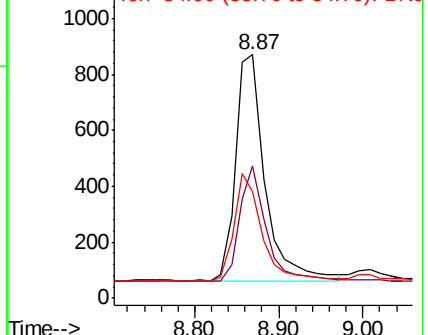
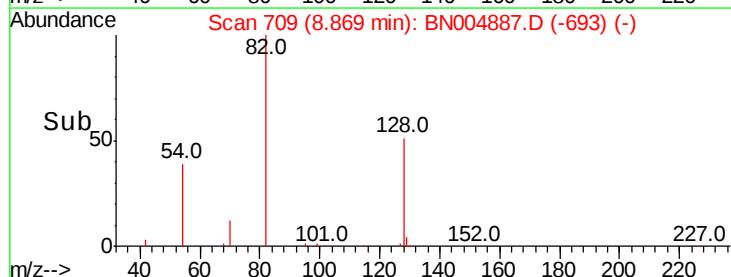
54 44.0 35.3 52.9

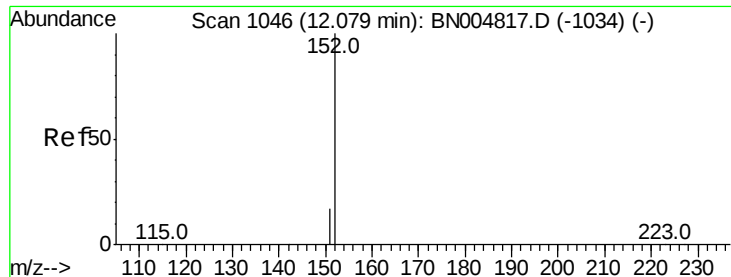


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

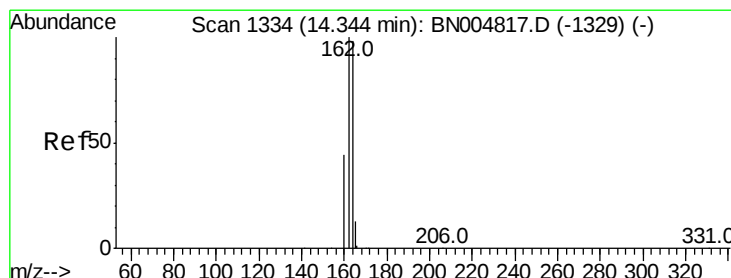
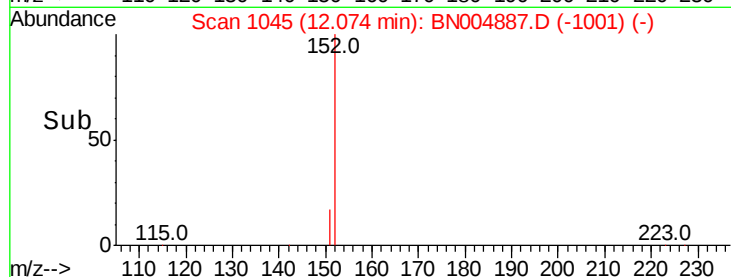
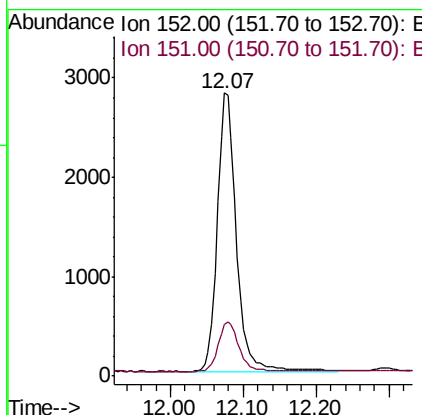
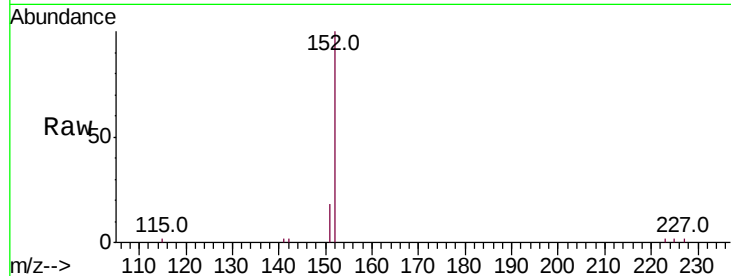




#11
2-Methylnaphthalene-d10
Concen: 0.288 ng
RT: 12.07 min Scan# 1045
Delta R.T. -0.00 min
Lab File: BN004887.D
Acq: 22 Mar 2019 13:38

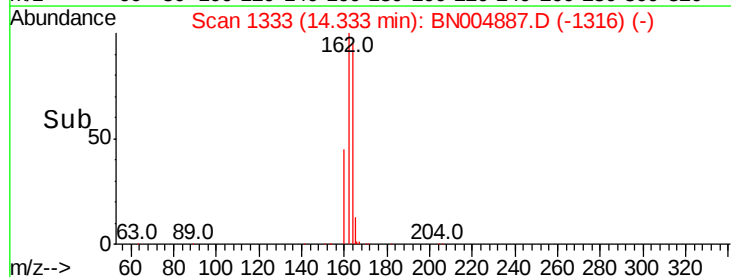
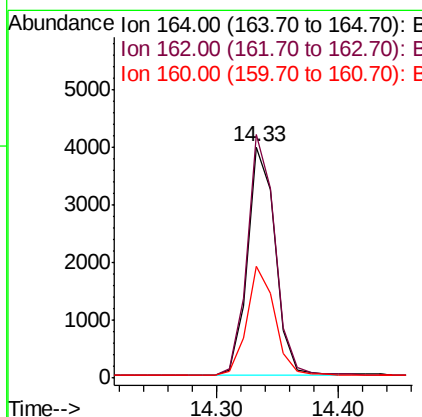
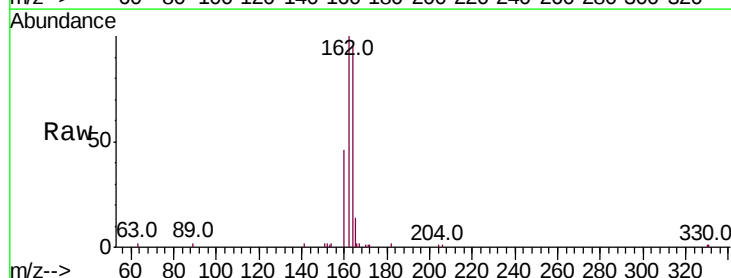
Instrument :
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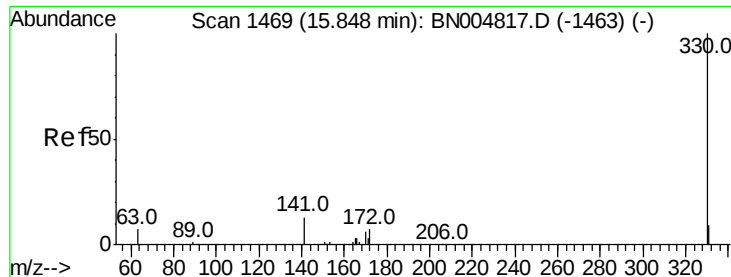
Tot Ion:152 Resp: 5078
Ion Ratio Lower Upper
152 100
151 19.5 15.5 23.3



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.33 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BN004887.D
Acq: 22 Mar 2019 13:38

Tgt Ion:164 Resp: 6297
Ion Ratio Lower Upper
164 100
162 105.2 81.9 122.9
160 48.3 36.6 54.8

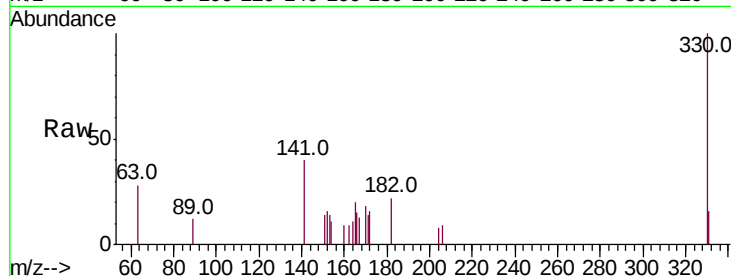




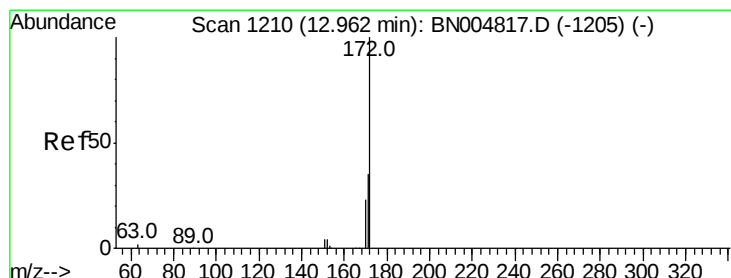
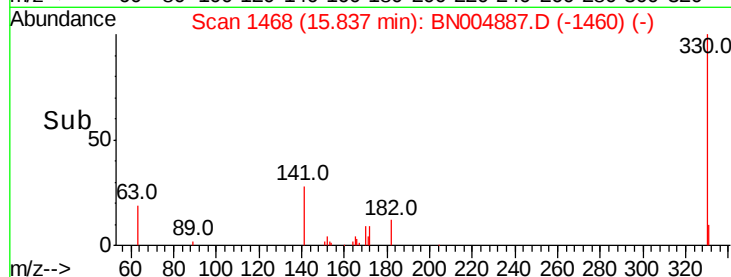
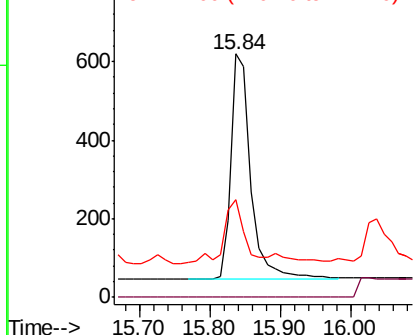
#14
 2,4,6-Tribromophenol
 Concen: 0.266 ng
 RT: 15.84 min Scan# 1468
 Delta R.T. -0.01 min
 Lab File: BN004887.D
 Acq: 22 Mar 2019 13:38

Instrument :
 BNA_N
 ClientSampleId :
 PST-028-B103-030619

Tot Ion:330 Resp: 1155
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 28.4 20.9 31.3

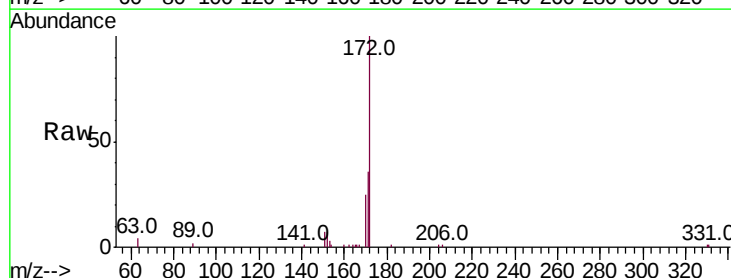


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

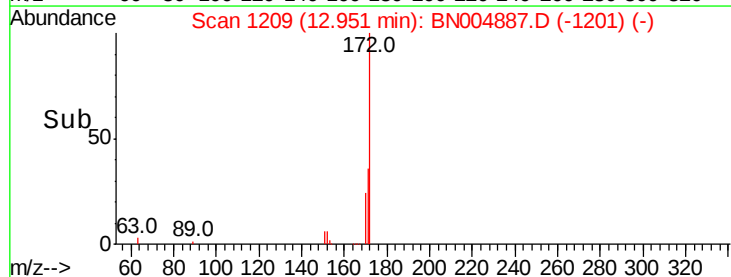
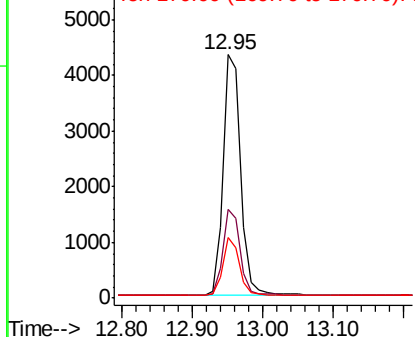


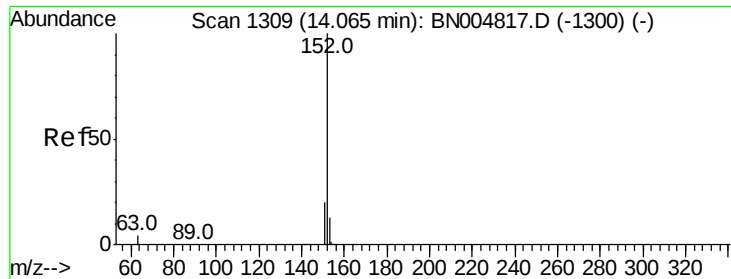
#15
 2-Fluorobiphenyl
 Concen: 0.296 ng
 RT: 12.95 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BN004887.D
 Acq: 22 Mar 2019 13:38

Tgt Ion:172 Resp: 7713
 Ion Ratio Lower Upper
 172 100
 171 36.4 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





#16

Acenaphthylene

Concen: 0.078 ng

RT: 14.07 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BN004887.D

Acq: 22 Mar 2019 13:38

Instrument :

BNA_N

ClientSampleId :

PST-028-B103-030619

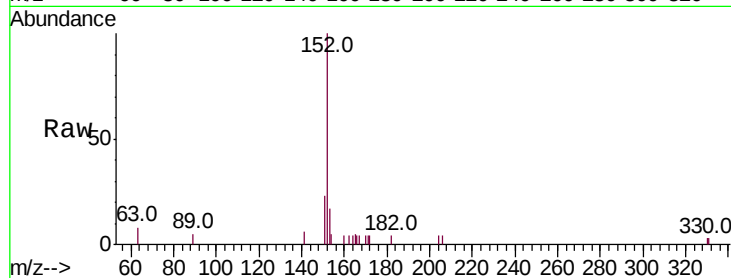
Tot Ion:152 Resp: 2520

Ion Ratio Lower Upper

152 100

151 20.5 16.1 24.1

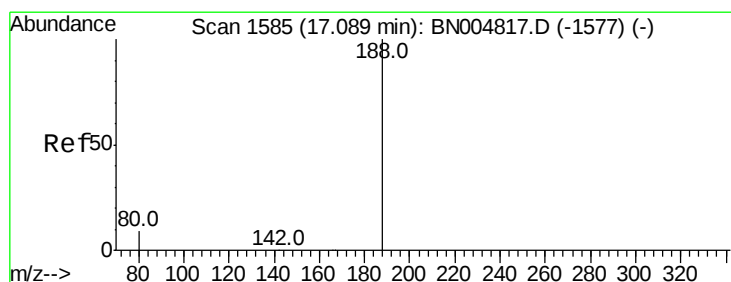
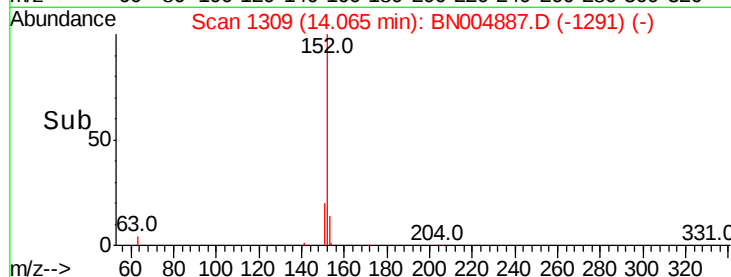
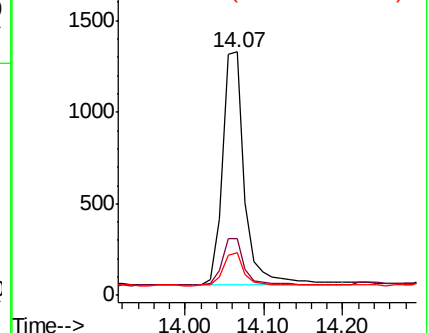
153 13.9 10.5 15.7



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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.09 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BN004887.D

Acq: 22 Mar 2019 13:38

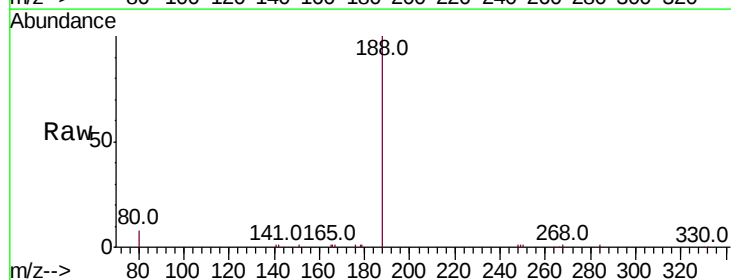
Tgt Ion:188 Resp: 15704

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

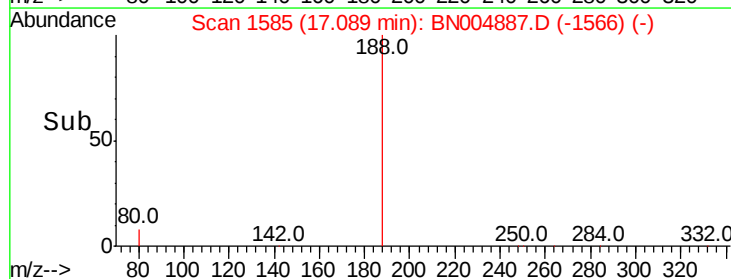
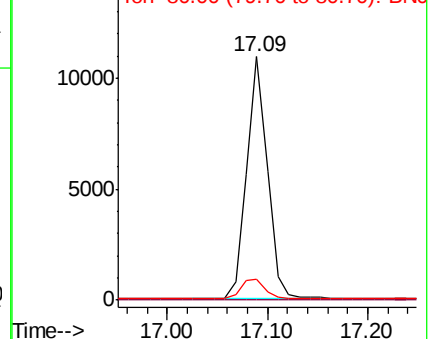
80 8.5 7.4 11.2

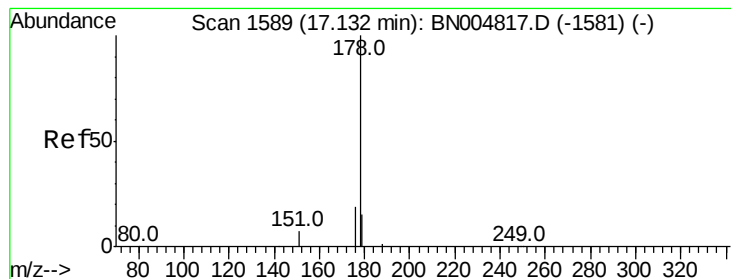


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#23

Phenanthrene

Concen: 0.189 ng

RT: 17.13 min Scan# 1589

Delta R.T. -0.00 min

Lab File: BN004887.D

Acq: 22 Mar 2019 13:38

Instrument :

BNA_N

ClientSampleId :

PST-028-B103-030619

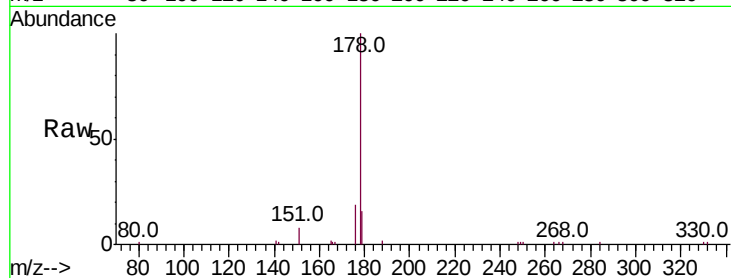
Tot Ion:178 Resp: 9605

Ion Ratio Lower Upper

178 100

176 19.0 14.9 22.3

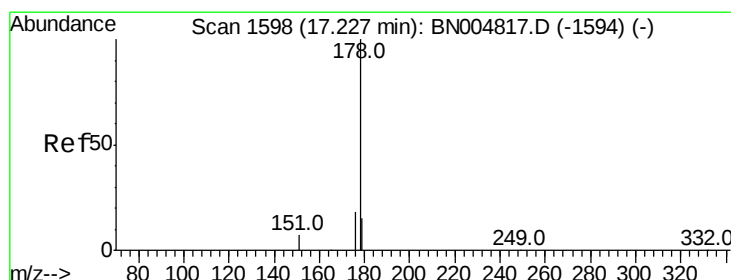
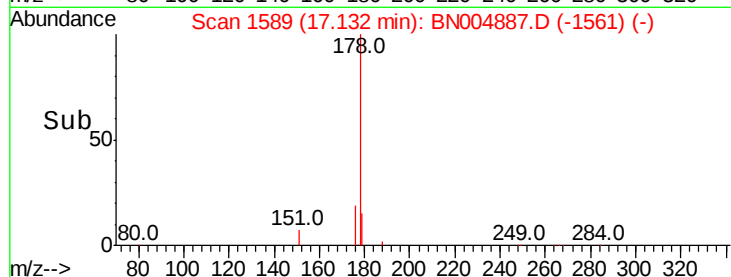
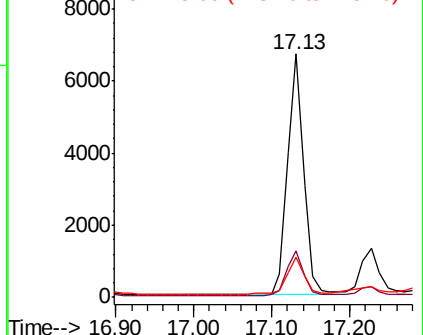
179 15.9 12.1 18.1



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



#24

Anthracene

Concen: 0.042 ng

RT: 17.23 min Scan# 1598

Delta R.T. -0.00 min

Lab File: BN004887.D

Acq: 22 Mar 2019 13:38

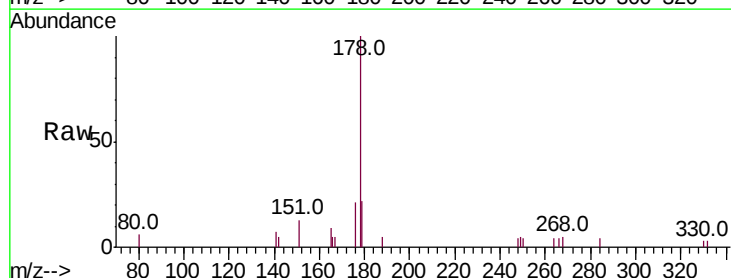
Tgt Ion:178 Resp: 1918

Ion Ratio Lower Upper

178 100

176 18.7 14.5 21.7

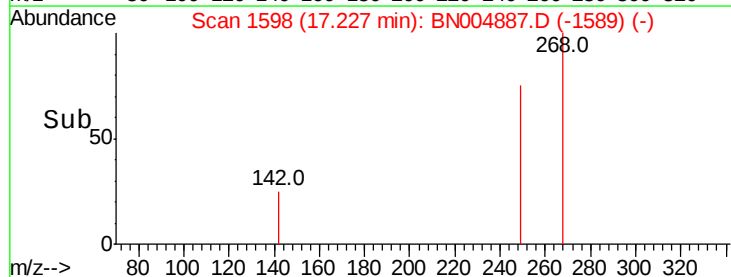
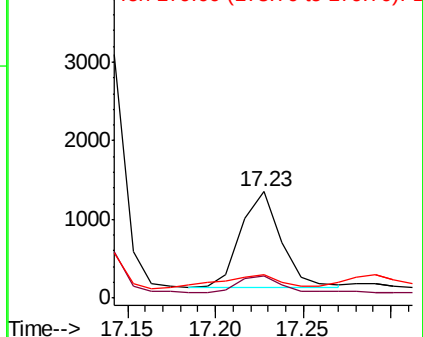
179 22.5 12.2 18.4#

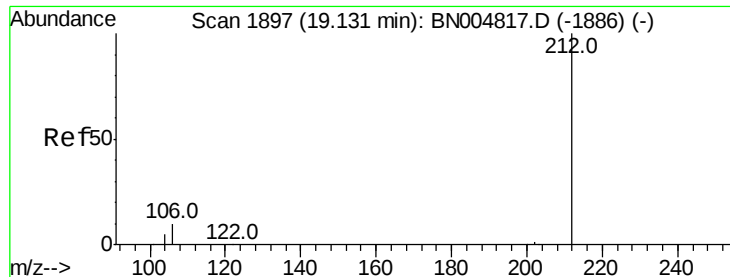


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.267 ng

RT: 19.13 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BN004887.D

Acq: 22 Mar 2019 13:38

Instrument :

BNA_N

ClientSampleId :

PST-028-B103-030619

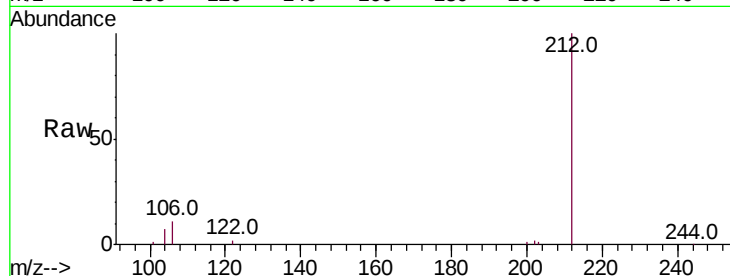
Tot Ion:212 Resp: 14047

Ion Ratio Lower Upper

212 100

106 11.6 8.6 13.0

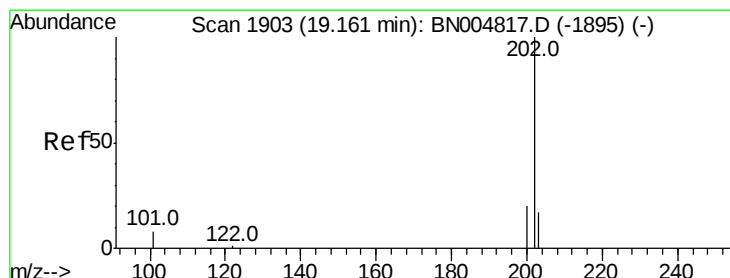
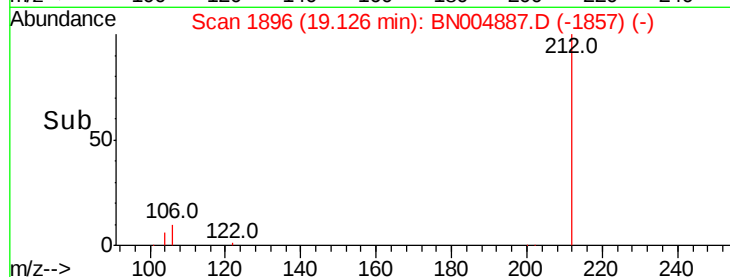
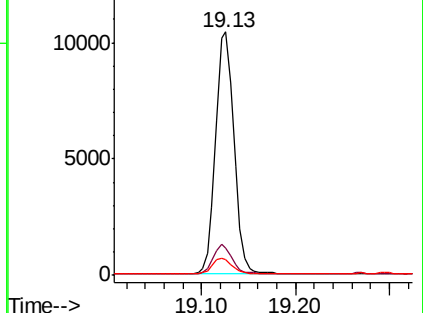
104 6.4 4.7 7.1



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: 0.507 ng

RT: 19.16 min Scan# 1902

Delta R.T. -0.00 min

Lab File: BN004887.D

Acq: 22 Mar 2019 13:38

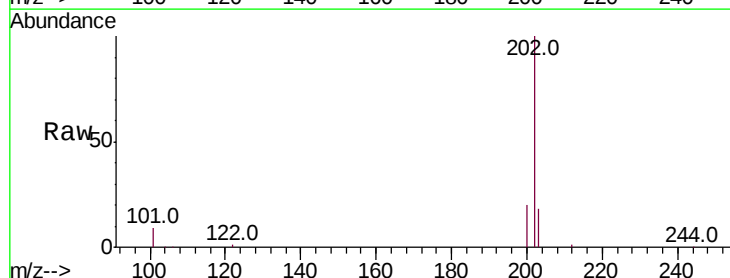
Tgt Ion:202 Resp: 33045

Ion Ratio Lower Upper

202 100

101 10.1 7.5 11.3

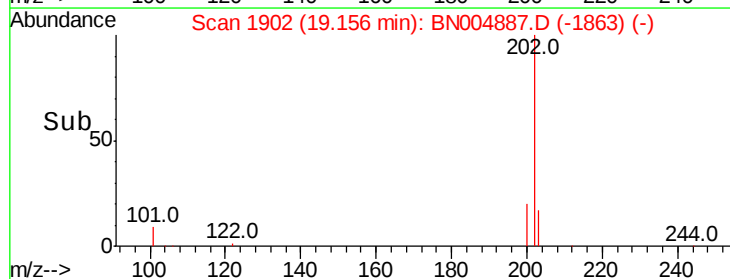
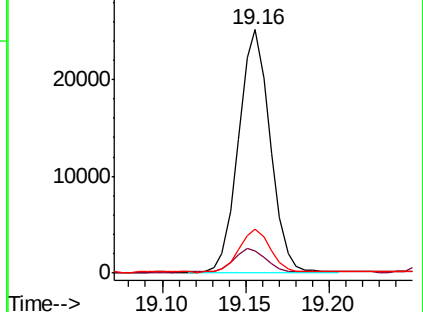
203 17.4 13.8 20.6

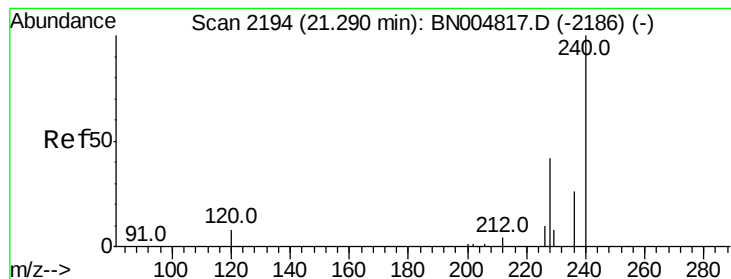


Abundance Ion 202.00 (201.70 to 202.70): E

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: BN004887.D

Acq: 22 Mar 2019 13:38

Instrument :

BNA_N

ClientSampleId :

PST-028-B103-030619

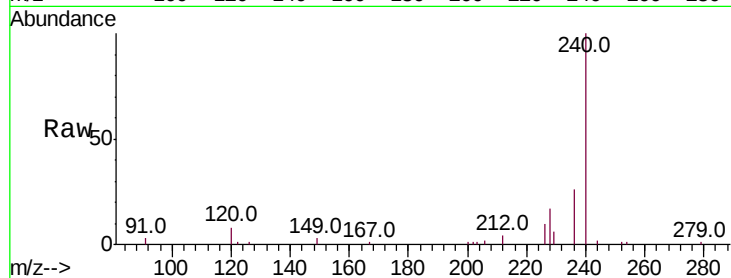
Tot Ion:240 Resp: 20396

Ion Ratio Lower Upper

240 100

120 8.4 7.2 10.8

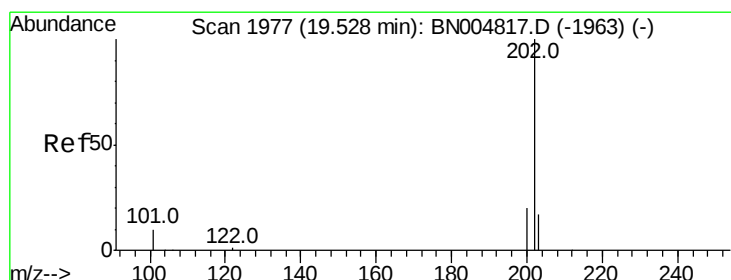
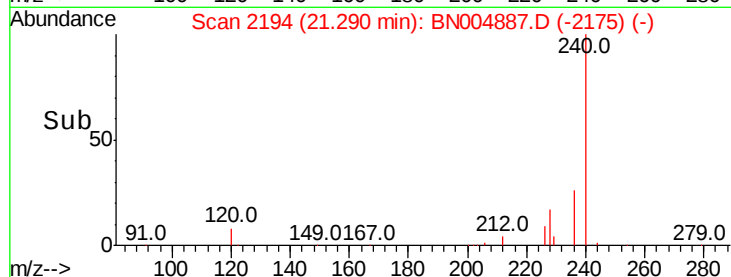
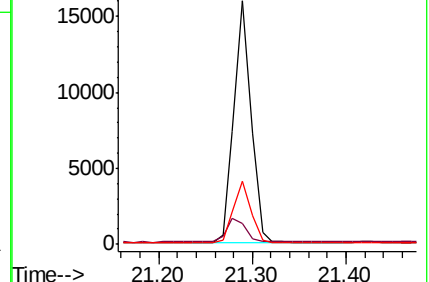
236 26.1 20.9 31.3



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: 0.517 ng

RT: 19.52 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BN004887.D

Acq: 22 Mar 2019 13:38

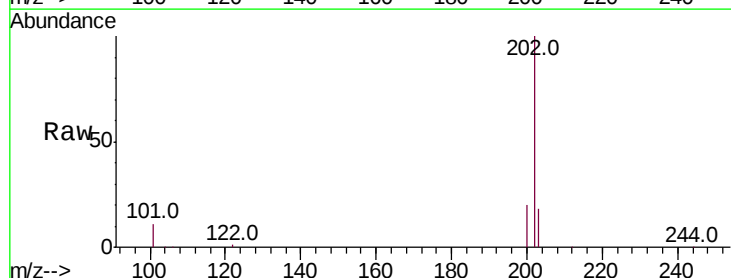
Tgt Ion:202 Resp: 32146

Ion Ratio Lower Upper

202 100

200 20.6 16.3 24.5

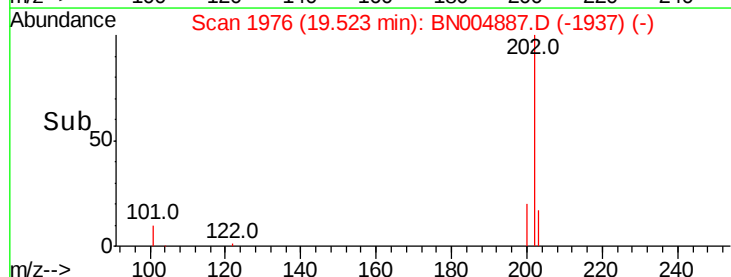
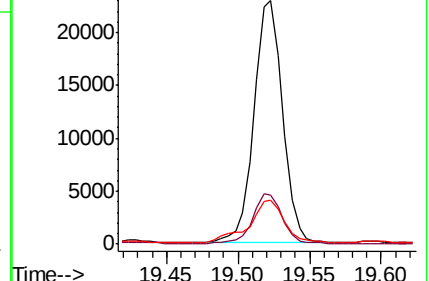
203 21.2 14.0 21.0#

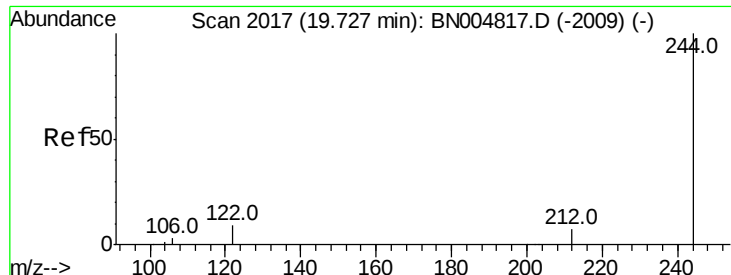


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.262 ng

RT: 19.72 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BN004887.D

Acq: 22 Mar 2019 13:38

Instrument :

BNA_N

ClientSampleId :

PST-028-B103-030619

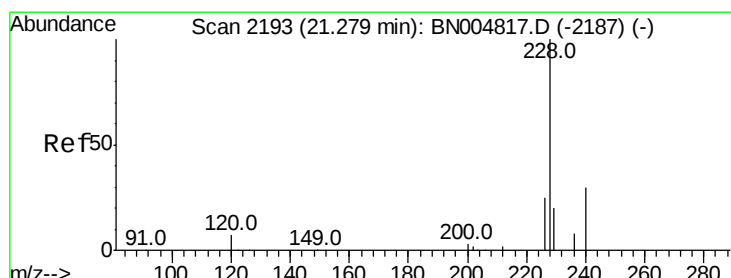
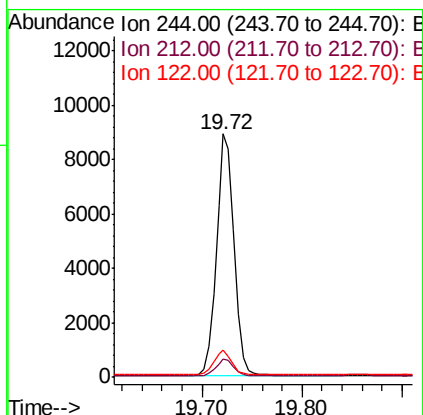
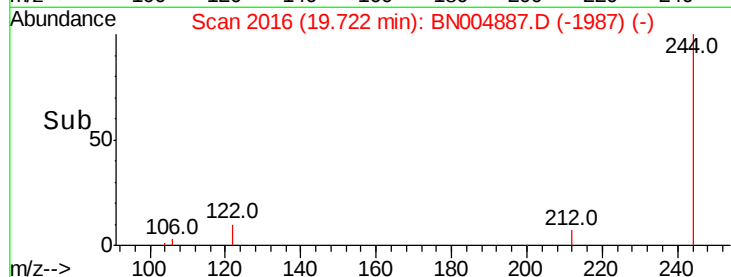
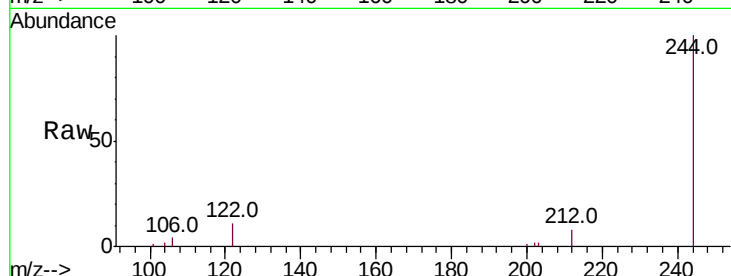
Tot Ion:244 Resp: 10942

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.6

122 11.3 7.9 11.9



#30

Benzo(a)anthracene

Concen: 0.289 ng

RT: 21.27 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BN004887.D

Acq: 22 Mar 2019 13:38

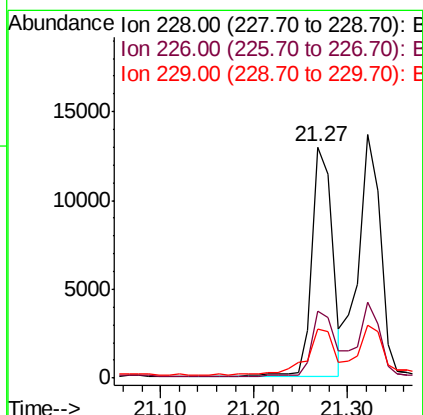
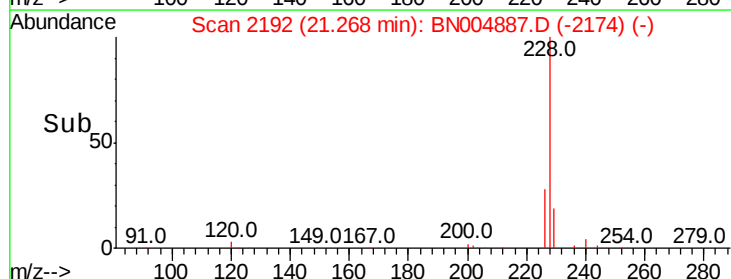
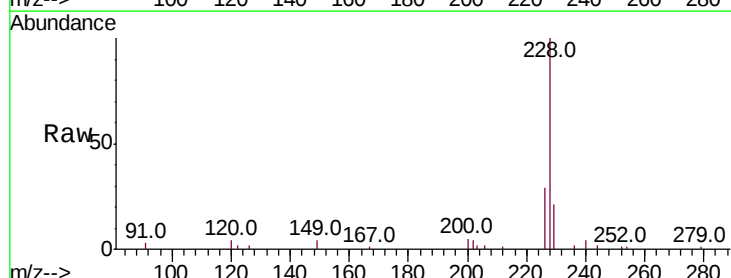
Tgt Ion:228 Resp: 19307

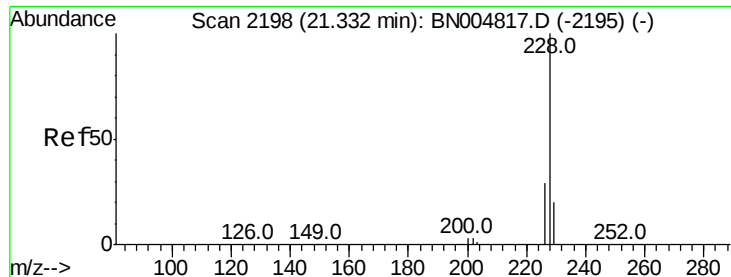
Ion Ratio Lower Upper

228 100

226 28.8 20.6 31.0

229 21.1 16.2 24.4





#31

Chrysene

Concen: 0.281 ng

RT: 21.32 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BN004887.D

Acq: 22 Mar 2019 13:38

Instrument :

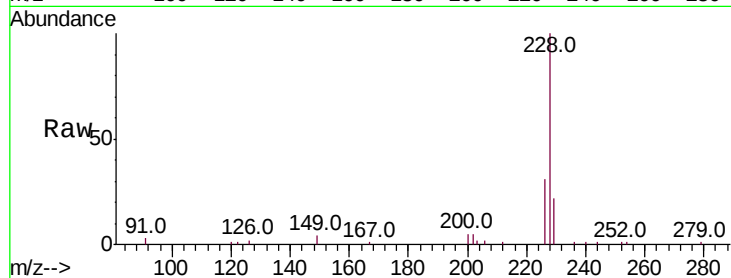
BNA_N

ClientSampleId :

PST-028-B103-030619

Tot Ion:228 Resp: 19825

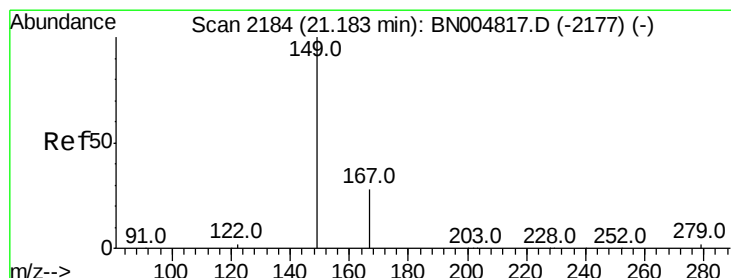
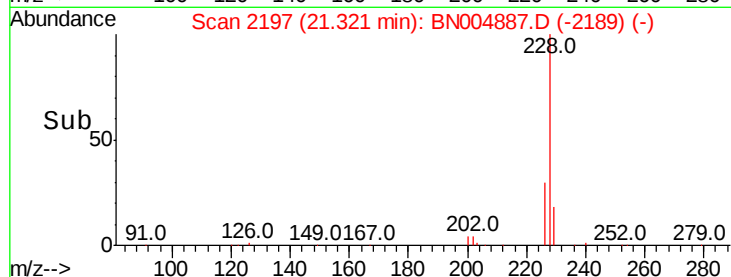
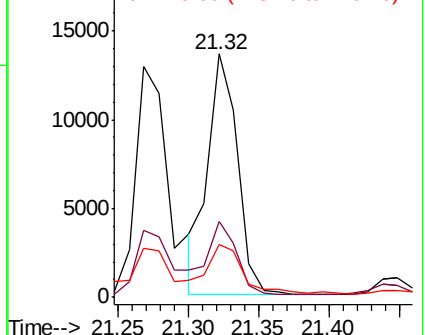
Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.0	34.6
229	21.7	16.2	24.2



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: 0.105 ng

RT: 21.18 min Scan# 2184

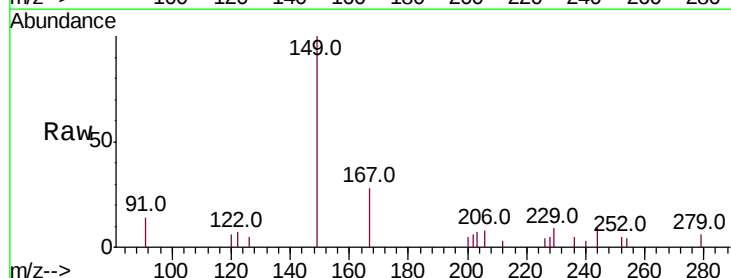
Delta R.T. -0.00 min

Lab File: BN004887.D

Acq: 22 Mar 2019 13:38

Tgt Ion:149 Resp: 2793

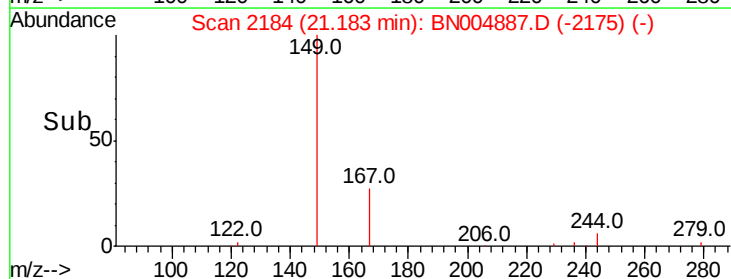
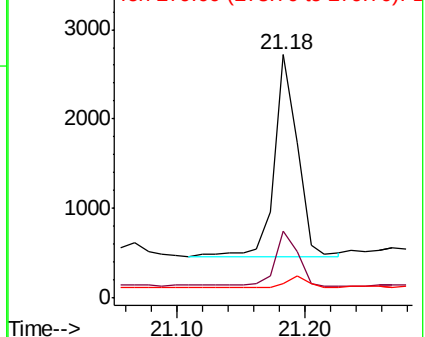
Ion	Ratio	Lower	Upper
149	100		
167	27.1	23.0	34.4
279	5.8	4.6	6.8

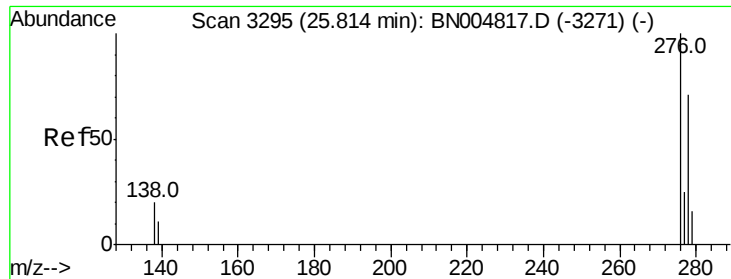


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.142 ng

RT: 25.81 min Scan# 3294

Delta R.T. -0.00 min

Lab File: BN004887.D

Acq: 22 Mar 2019 13:38

Instrument :

BNA_N

ClientSampleId :

PST-028-B103-030619

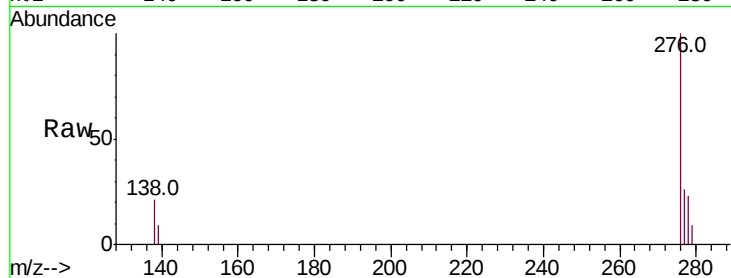
Tot Ion:276 Resp: 14505

Ion Ratio Lower Upper

276 100

138 19.6 16.6 24.8

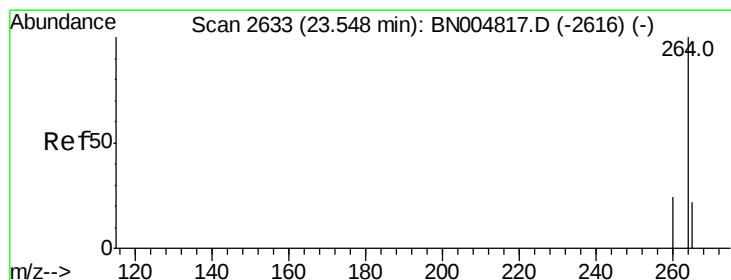
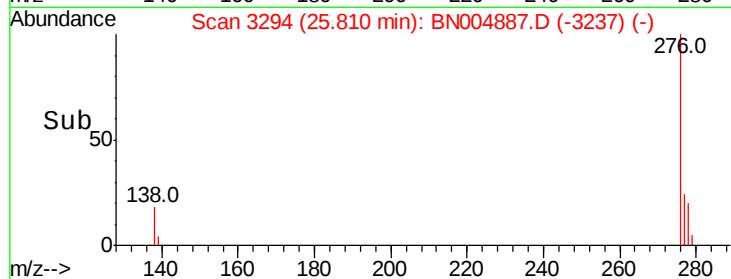
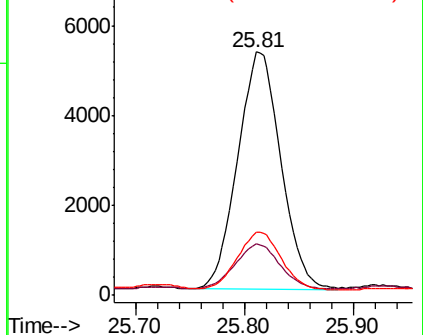
277 25.0 20.3 30.5



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# 2632

Delta R.T. -0.00 min

Lab File: BN004887.D

Acq: 22 Mar 2019 13:38

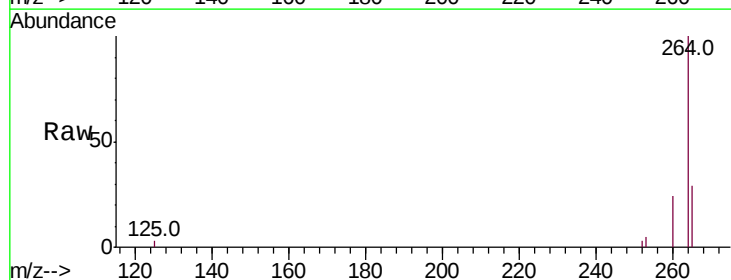
Tgt Ion:264 Resp: 21178

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

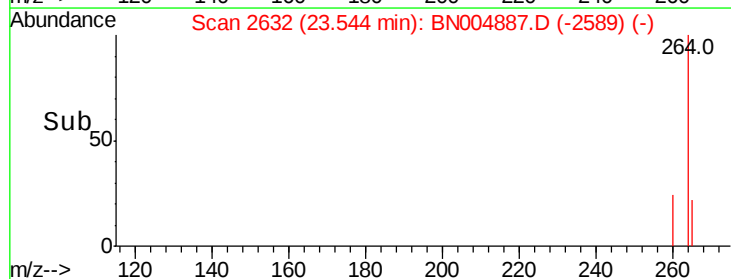
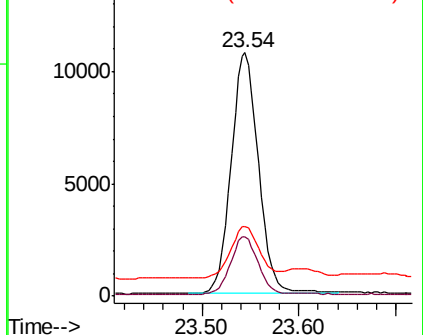
265 28.8 23.1 34.7

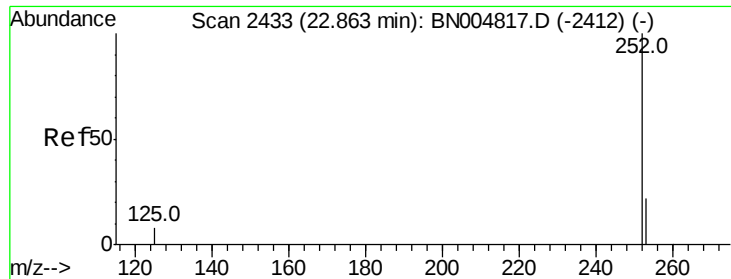


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

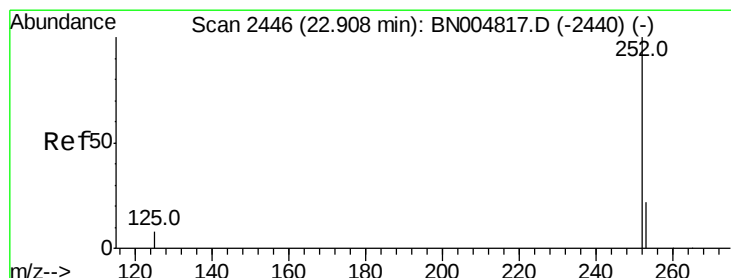
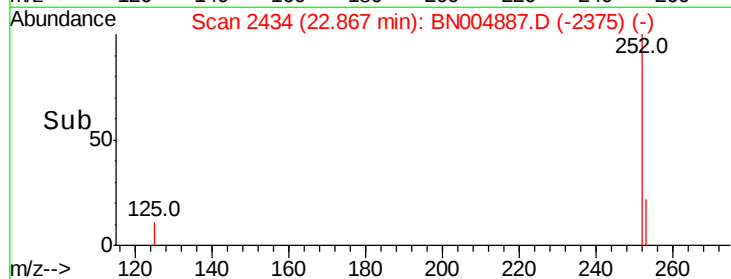
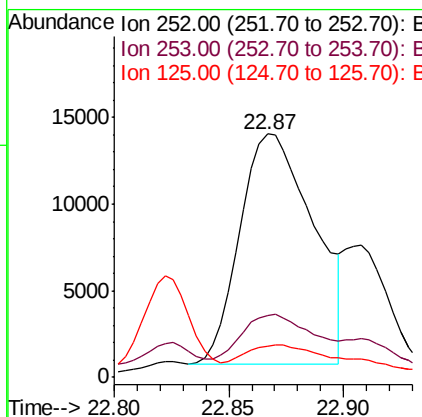
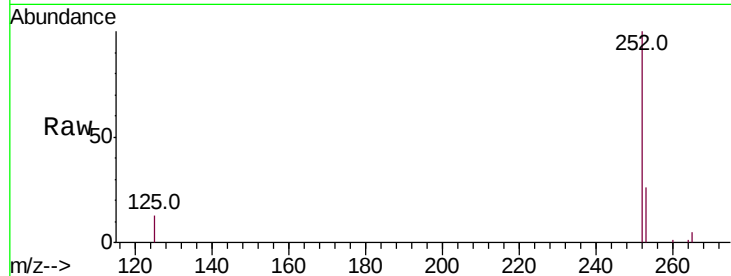




#35
Benzo(b)fluoranthene
Concen: 0.386 ng
RT: 22.87 min Scan# 2434
Delta R.T. 0.00 min
Lab File: BN004887.D
Acq: 22 Mar 2019 13:38

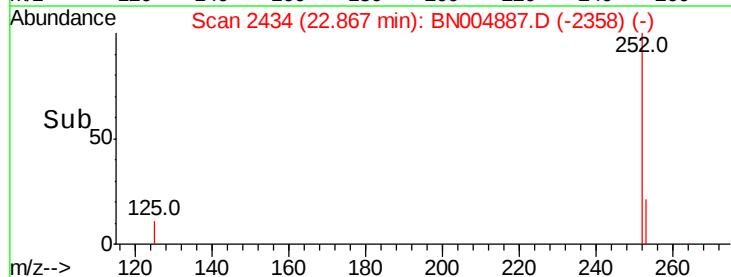
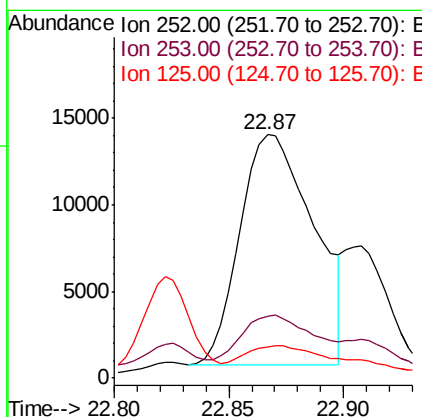
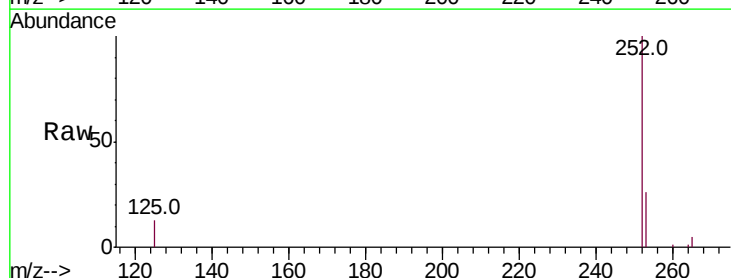
Instrument :
BNA_N
ClientSampleId :
PST-028-B103-030619

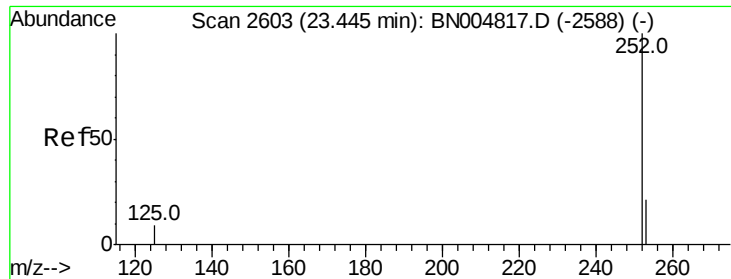
Tot Ion:252 Resp: 29555
Ion Ratio Lower Upper
252 100
253 25.5 19.0 28.4
125 12.9 7.4 11.2#



#36
Benzo(k)fluoranthene
Concen: 0.392 ng
RT: 22.87 min Scan# 2434
Delta R.T. -0.04 min
Lab File: BN004887.D
Acq: 22 Mar 2019 13:38

Tgt Ion:252 Resp: 29555
Ion Ratio Lower Upper
252 100
253 25.5 19.3 28.9
125 12.9 7.4 11.0#

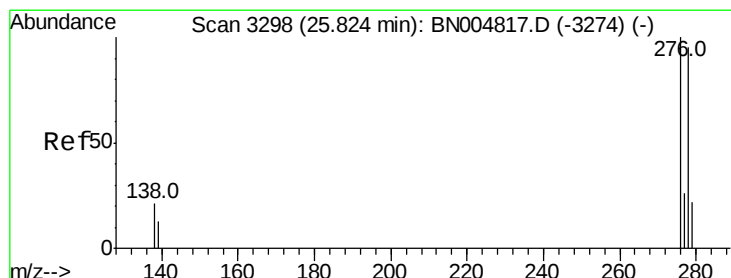
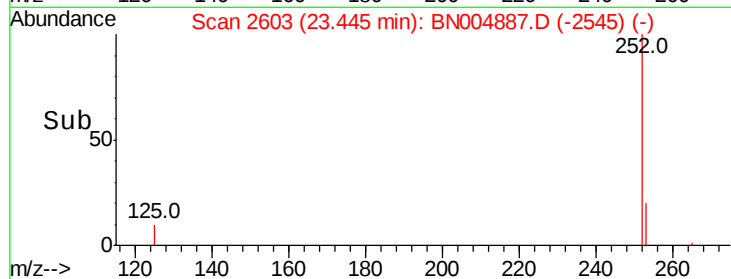
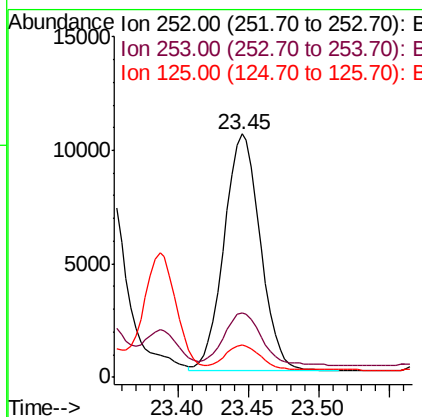
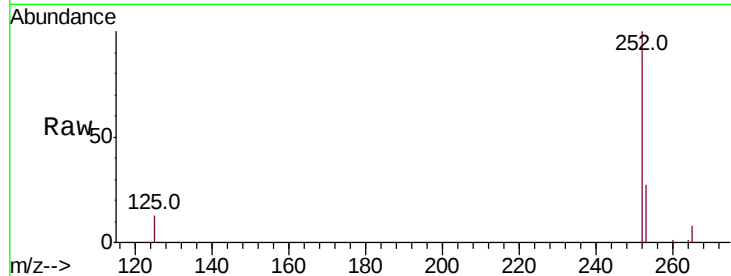




#37
Benzo(a)pyrene
Concen: 0.268 ng
RT: 23.45 min Scan# 2603
Delta R.T. -0.00 min
Lab File: BN004887.D
Acq: 22 Mar 2019 13:38

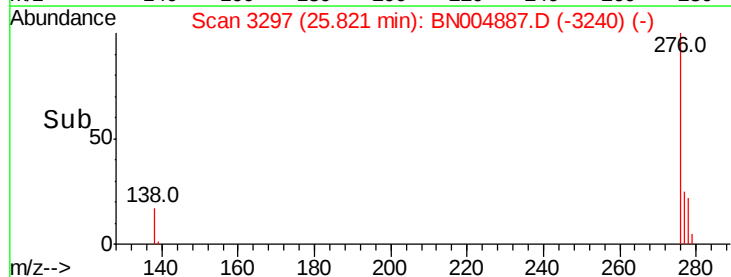
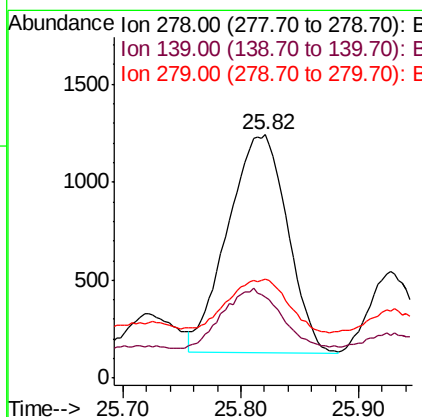
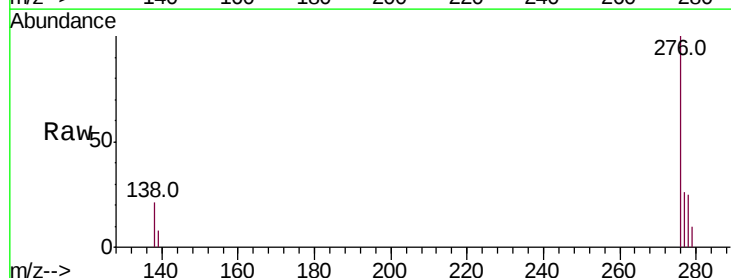
Instrument :
BNA_N
ClientSampleId :
PST-028-B103-030619

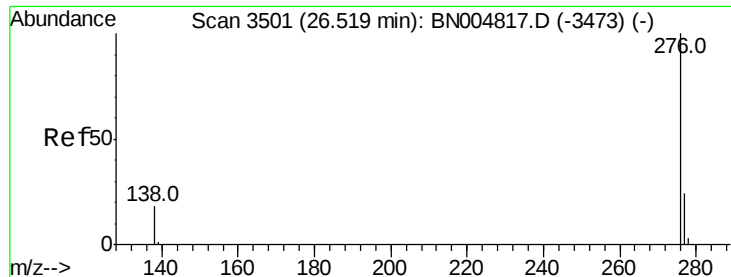
Tot Ion:252 Resp: 18802
Ion Ratio Lower Upper
252 100
253 26.7 19.7 29.5
125 13.4 8.3 12.5#



#38
Dibenzo(a,h)anthracene
Concen: 0.048 ng
RT: 25.82 min Scan# 3297
Delta R.T. -0.00 min
Lab File: BN004887.D
Acq: 22 Mar 2019 13:38

Tgt Ion:278 Resp: 3911
Ion Ratio Lower Upper
278 100
139 33.1 11.7 17.5#
279 40.5 19.9 29.9#





#39

Benzo(a,h,i)perylene

Concen: 0.172 ng

RT: 26.51 min Scan# 3499

Delta R.T. -0.01 min

Lab File: BN004887.D

Acq: 22 Mar 2019 13:38

Instrument :

BNA_N

ClientSampleId :

PST-028-B103-030619

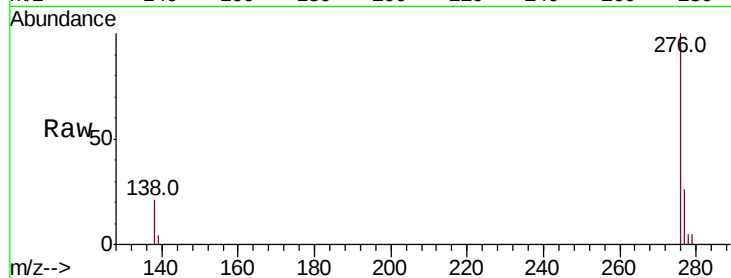
Tot Ion:276 Resp: 14294

Ion Ratio Lower Upper

276 100

277 25.6 19.7 29.5

138 20.8 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

