

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004866.D
 Acq On : 22 Mar 2019 00:41
 Operator : JU/SJ
 Sample : K1817-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-027-B115-030719

Quant Time: Mar 22 02:03:20 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	1766	0.40	ng	0.00
7) Naphthalene-d8	10.49	136	8140	0.40	ng	0.00
13) Acenaphthene-d10	14.33	164	5356	0.40	ng	-0.01
19) Phenanthrene-d10	17.09	188	14005	0.40	ng	0.00
27) Chrysene-d12	21.29	240	19099	0.40	ng	0.00
34) Perylene-d12	23.54	264	21346	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.29	112	1835	0.38	ng	0.00
5) Phenol-d6	6.87	99	2400	0.40	ng	0.00
8) Nitrobenzene-d5	8.87	82	1669	0.31	ng	0.00
11) 2-Methylnaphthalene-d10	12.08	152	4282	0.30	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	1059	0.29	ng	0.00
15) 2-Fluorobiphenyl	12.96	172	6482	0.29	ng	0.00
25) Fluoranthene-d10	19.13	212	11916	0.25	ng	0.00
29) Terphenyl-d14	19.72	244	9142	0.23	ng	0.00

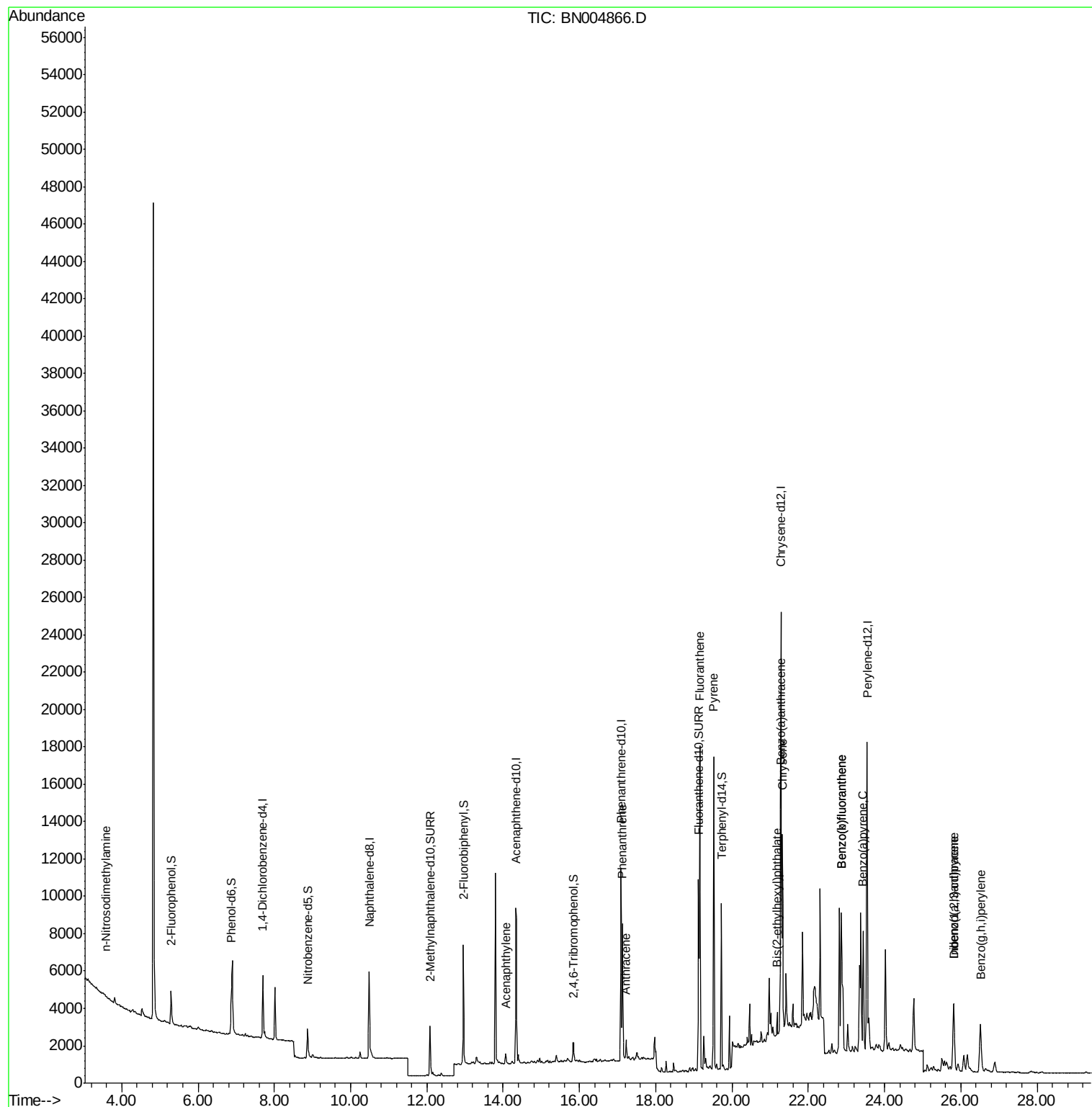
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.59	42	42	0.035	ng	# 3
16) Acenaphthylene	14.07	152	681	0.025	ng	96
23) Phenanthrene	17.13	178	7510	0.166	ng	99
24) Anthracene	17.23	178	1317	0.033	ng	98
26) Fluoranthene	19.16	202	15353	0.264	ng	99
28) Pyrene	19.52	202	15580	0.268	ng	# 96
30) Benzo(a)anthracene	21.27	228	9340	0.149	ng	96
31) Chrysene	21.32	228	9863	0.150	ng	96
32) Bis(2-ethylhexyl)phthalate	21.18	149	960	0.038	ng	# 97
33) Indeno(1,2,3-cd)pyrene	25.81	276	5844	0.061	ng	97
35) Benzo(b)fluoranthene	22.86	252	11389	0.147	ng	# 86
36) Benzo(k)fluoranthene	22.86	252	11389	0.150	ng	# 87
37) Benzo(a)pyrene	23.44	252	9178	0.130	ng	# 88
38) Dibenzo(a,h)anthracene	25.82	278	1746	0.021	ng	# 46
39) Benzo(a,h,i)perylene	26.51	276	5583	0.067	ng	# 92

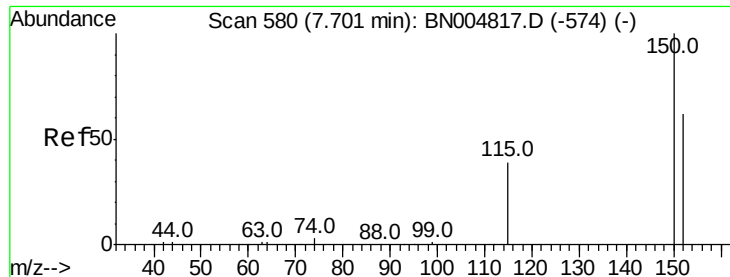
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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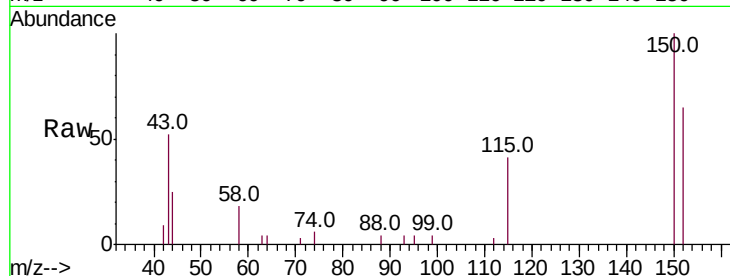


#1

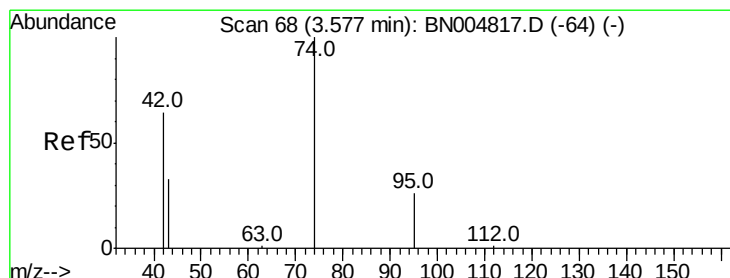
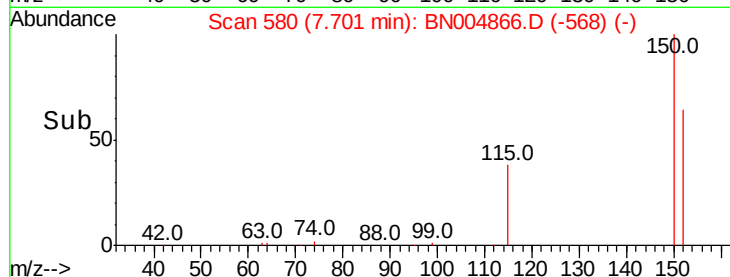
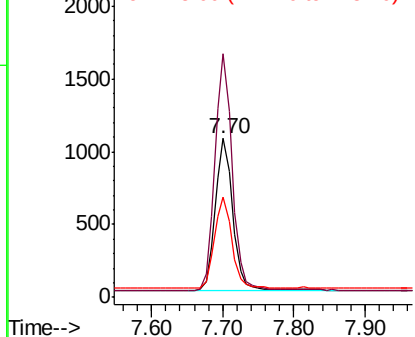
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.70 min Scan# 580
Delta R.T. -0.00 min
Lab File: BN004866.D
Acq: 22 Mar 2019 00:41

Instrument :
BNA_N
ClientSampleId :
PST-027-B115-030719

Tot Ion:152 Resp: 1766
Ion Ratio Lower Upper
152 100
150 153.3 126.2 189.4
115 62.9 52.6 79.0



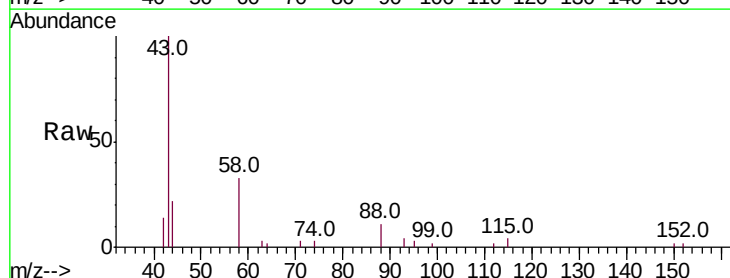
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



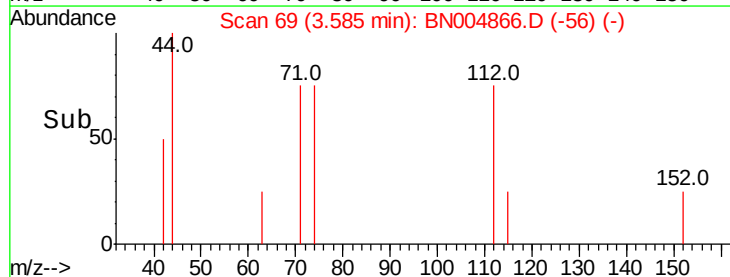
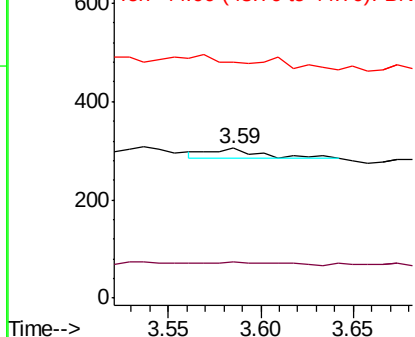
#3

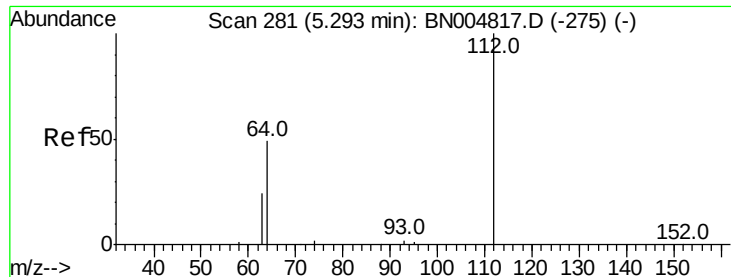
n-Nitrosodimethylamine
Concen: 0.035 ng
RT: 3.59 min Scan# 69
Delta R.T. 0.01 min
Lab File: BN004866.D
Acq: 22 Mar 2019 00:41

Tgt Ion: 42 Resp: 42
Ion Ratio Lower Upper
42 100
74 33.3 128.4 192.6#
44 50.0 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: 0.382 ng

RT: 5.29 min Scan# 281

Delta R.T. -0.00 min

Lab File: BN004866.D

Acq: 22 Mar 2019 00:41

Instrument :

BNA_N

ClientSampleId :

PST-027-B115-030719

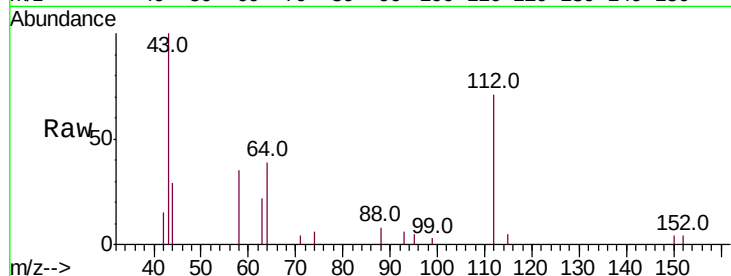
Tot Ion:112 Resp: 1835

Ion Ratio Lower Upper

112 100

64 49.5 40.0 60.0

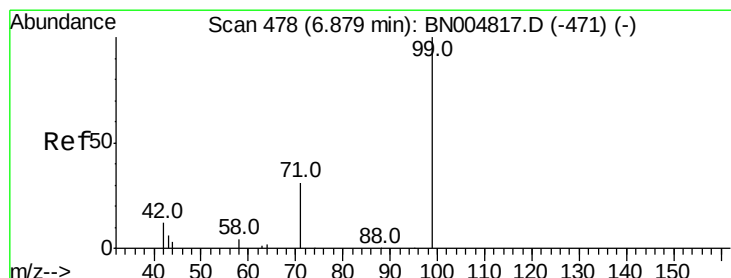
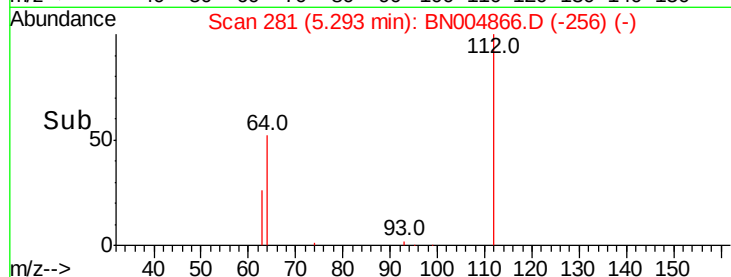
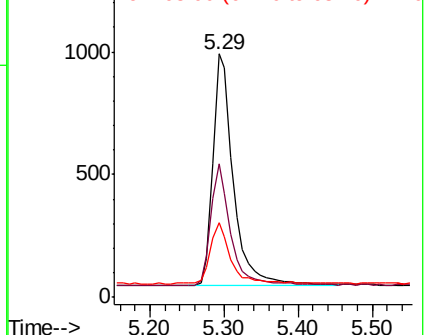
63 26.5 20.2 30.2



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: 0.402 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004866.D

Acq: 22 Mar 2019 00:41

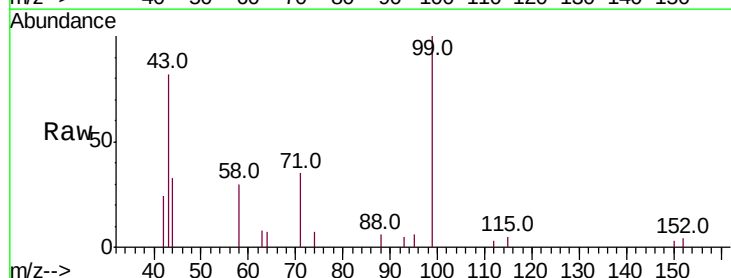
Tgt Ion: 99 Resp: 2400

Ion Ratio Lower Upper

99 100

42 25.7 12.7 19.1#

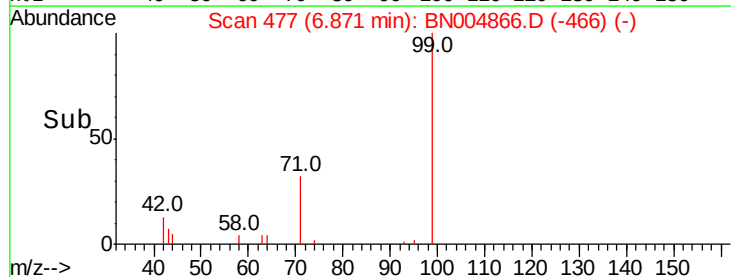
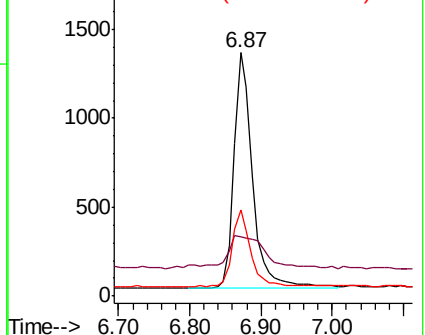
71 31.6 26.6 40.0

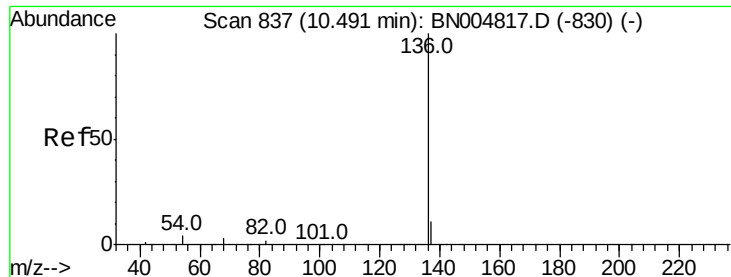


Abundance Ion 99.00 (98.70 to 99.70): BNC

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: 10.49 min Scan# 837

Delta R.T. -0.00 min

Lab File: BN004866.D

Acq: 22 Mar 2019 00:41

Instrument :

BNA_N

ClientSampleId :

PST-027-B115-030719

Tot Ion:136 Resp: 8140

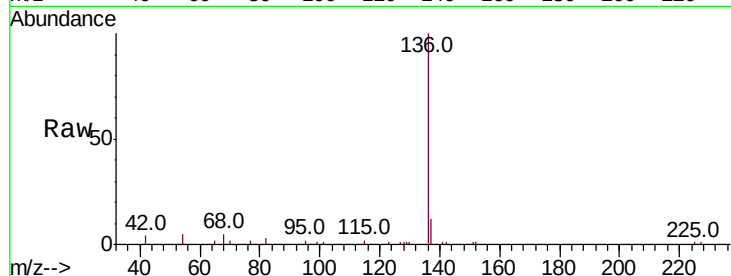
Ion Ratio Lower Upper

136 100

137 12.2 9.6 14.4

54 5.1 4.2 6.2

68 4.8 3.9 5.9

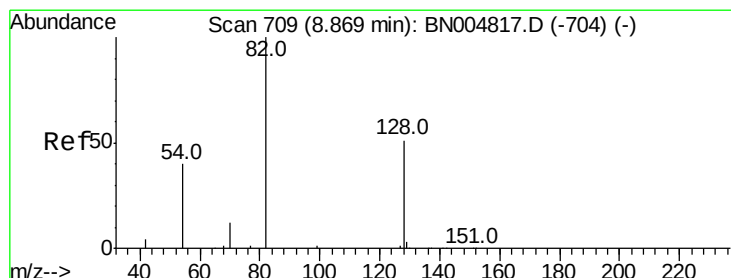
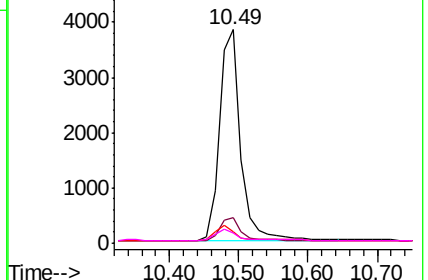
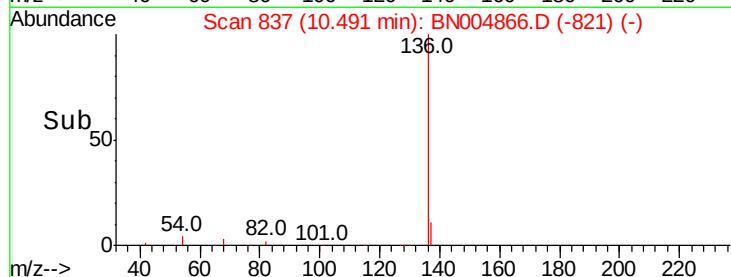


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.310 ng

RT: 8.87 min Scan# 709

Delta R.T. -0.00 min

Lab File: BN004866.D

Acq: 22 Mar 2019 00:41

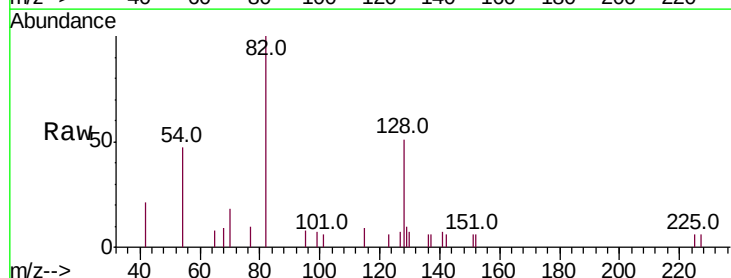
Tgt Ion: 82 Resp: 1669

Ion Ratio Lower Upper

82 100

128 50.7 43.0 64.6

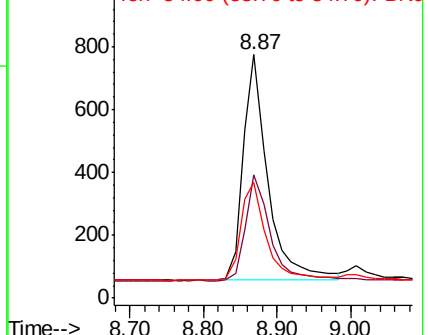
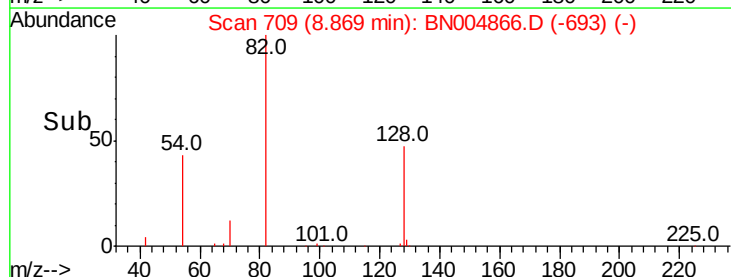
54 47.5 35.3 52.9

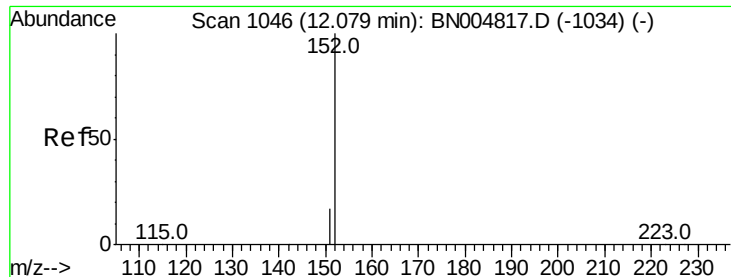


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

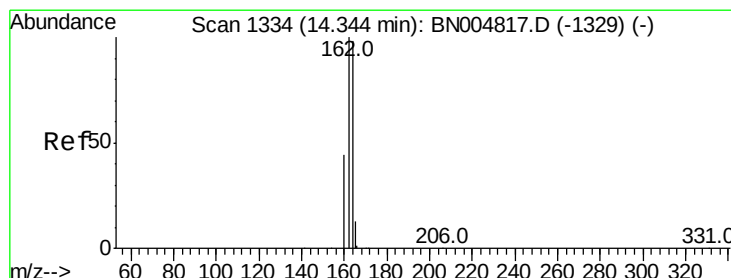
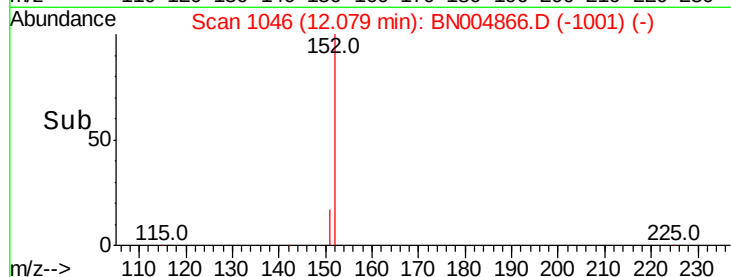
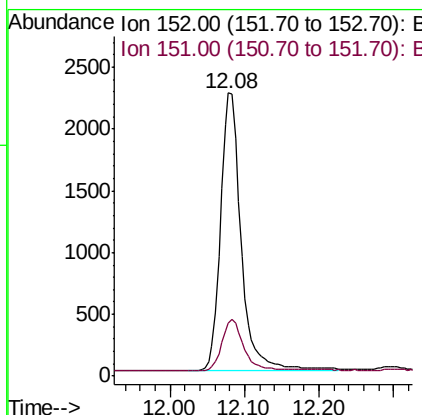
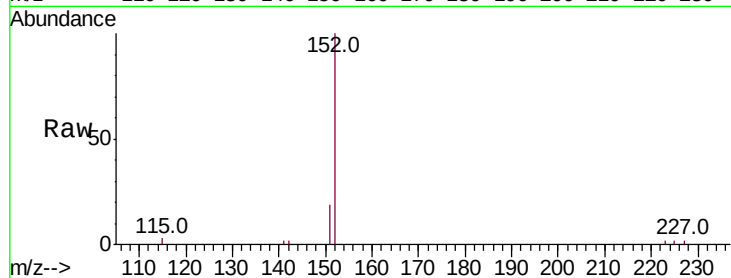




#11
2-Methylnaphthalene-d10
Concen: 0.301 ng
RT: 12.08 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BN004866.D
Acq: 22 Mar 2019 00:41

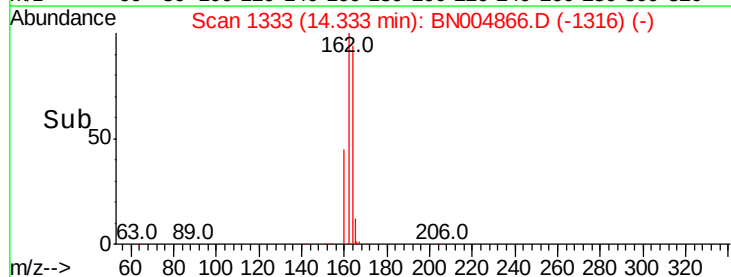
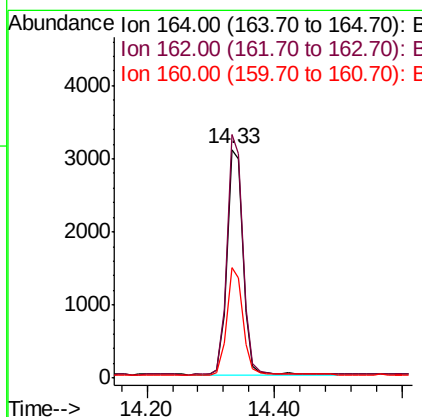
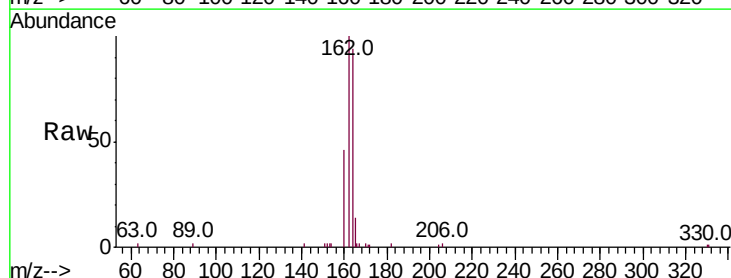
Instrument :
BNA_N
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PST-027-B115-030719

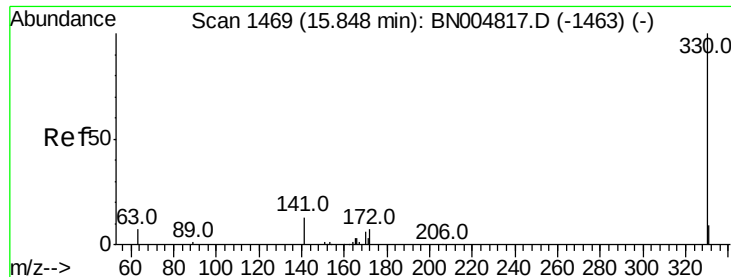
Tot Ion:152 Resp: 4282
Ion Ratio Lower Upper
152 100
151 19.3 15.5 23.3



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.33 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BN004866.D
Acq: 22 Mar 2019 00:41

Tgt Ion:164 Resp: 5356
Ion Ratio Lower Upper
164 100
162 106.6 81.9 122.9
160 48.5 36.6 54.8

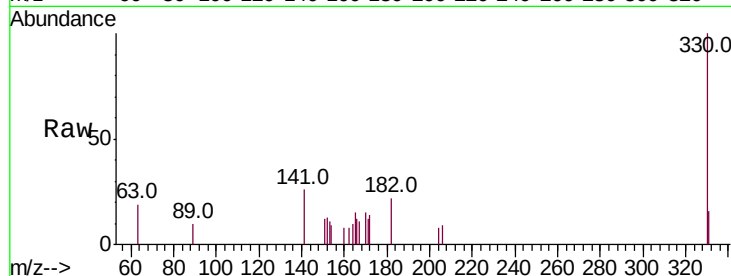




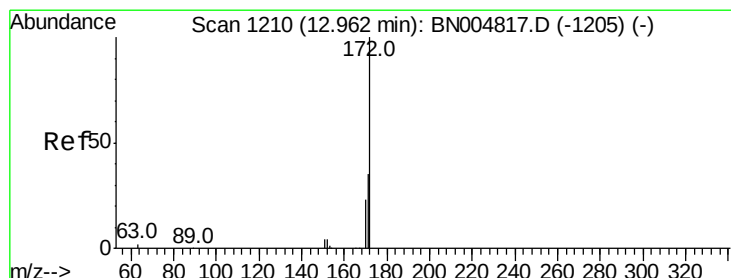
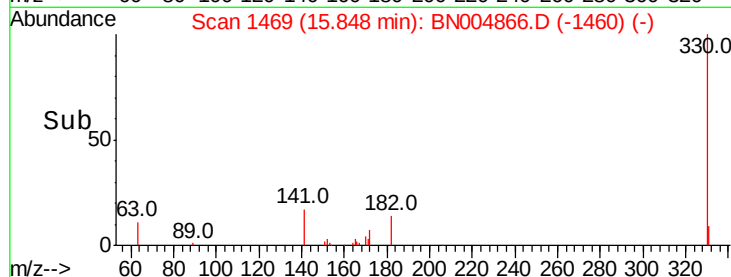
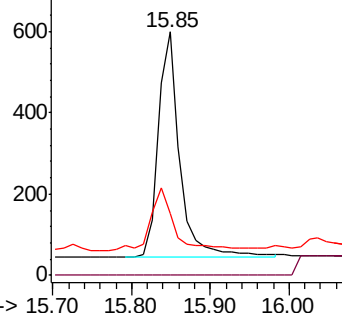
#14
 2,4,6-Tribromophenol
 Concen: 0.286 ng
 RT: 15.85 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: BN004866.D
 Acq: 22 Mar 2019 00:41

Instrument :
 BNA_N
 ClientSampleId :
 PST-027-B115-030719

Tot Ion:330 Resp: 1059
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 30.8 20.9 31.3

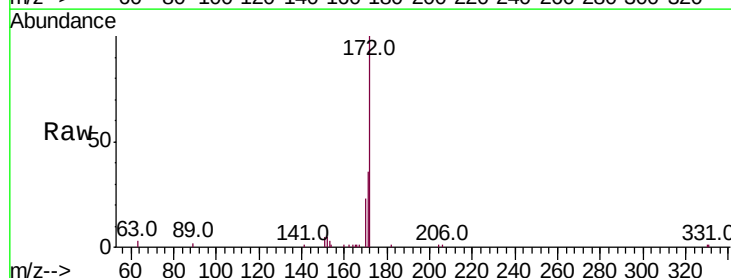


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

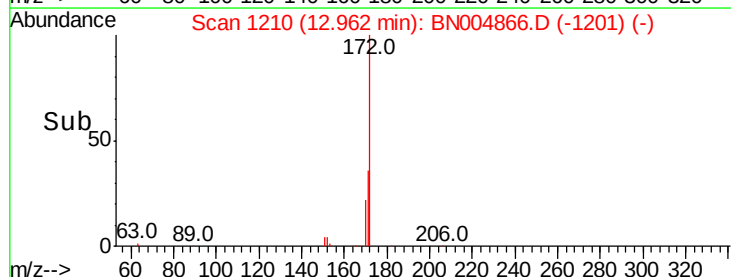
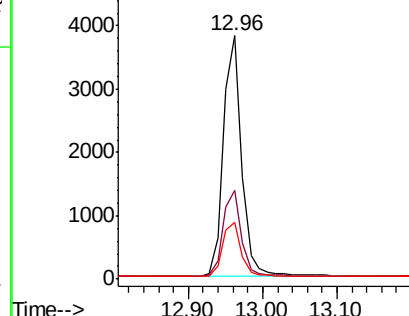


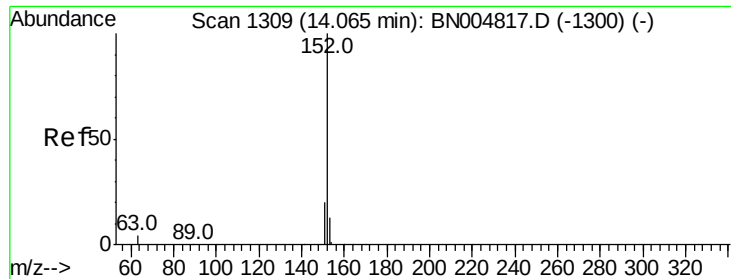
#15
 2-Fluorobiphenyl
 Concen: 0.293 ng
 RT: 12.96 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: BN004866.D
 Acq: 22 Mar 2019 00:41

Tgt Ion:172 Resp: 6482
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.7 43.1
 170 23.3 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: 0.025 ng

RT: 14.07 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BN004866.D

Acq: 22 Mar 2019 00:41

Instrument :

BNA_N

ClientSampleId :

PST-027-B115-030719

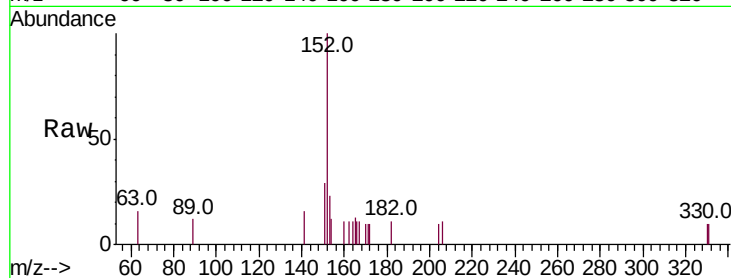
Tot Ion:152 Resp: 681

Ion Ratio Lower Upper

152 100

151 22.5 16.1 24.1

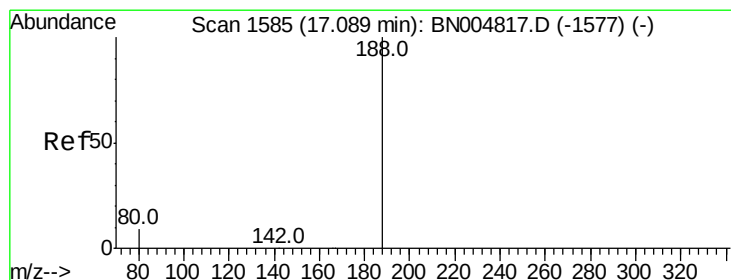
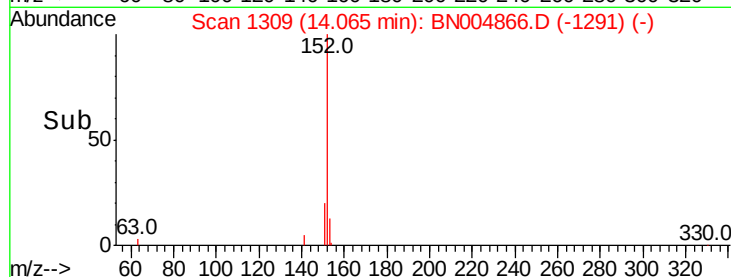
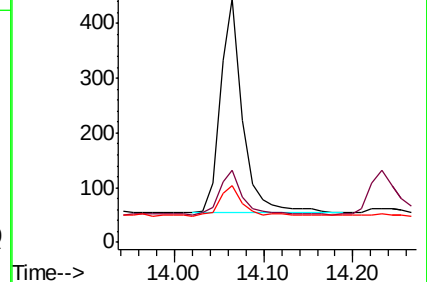
153 13.5 10.5 15.7



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: BN004866.D

Acq: 22 Mar 2019 00:41

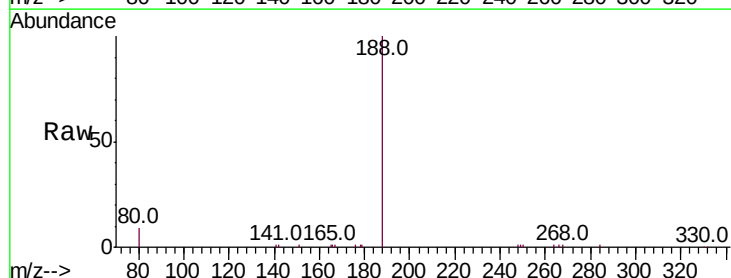
Tgt Ion:188 Resp: 14005

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

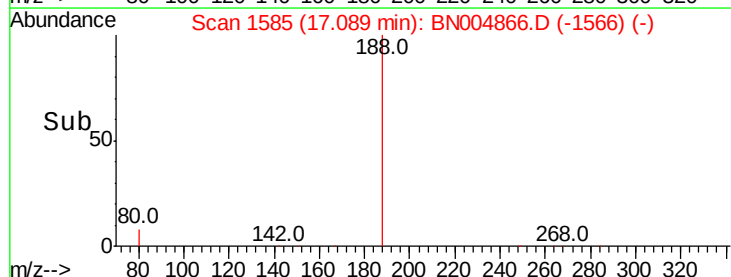
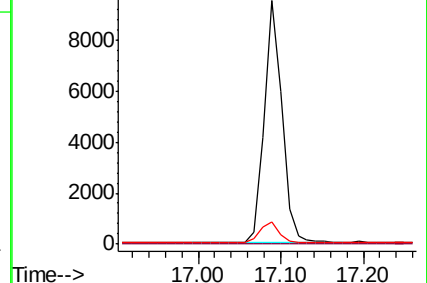
80 9.0 7.4 11.2

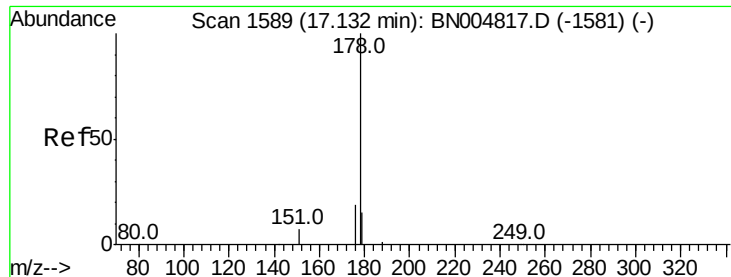


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#23

Phenanthrene

Concen: 0.166 ng

RT: 17.13 min Scan# 1589

Delta R.T. -0.00 min

Lab File: BN004866.D

Acq: 22 Mar 2019 00:41

Instrument :

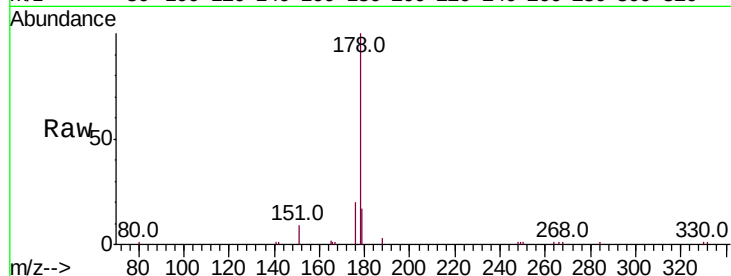
BNA_N

ClientSampleId :

PST-027-B115-030719

Tot Ion:178 Resp: 7510

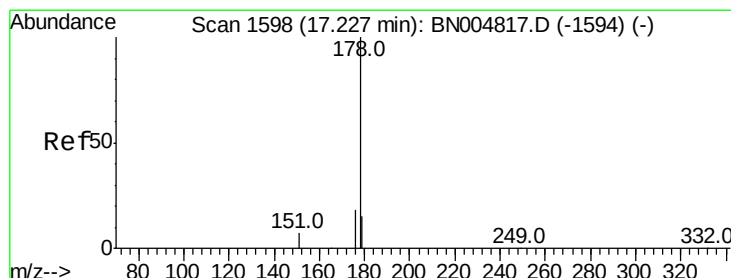
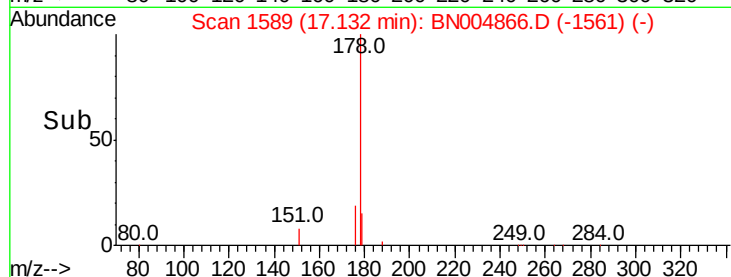
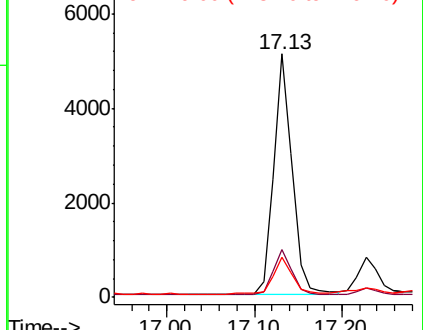
Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.9	22.3
179	15.8	12.1	18.1



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: 0.033 ng

RT: 17.23 min Scan# 1598

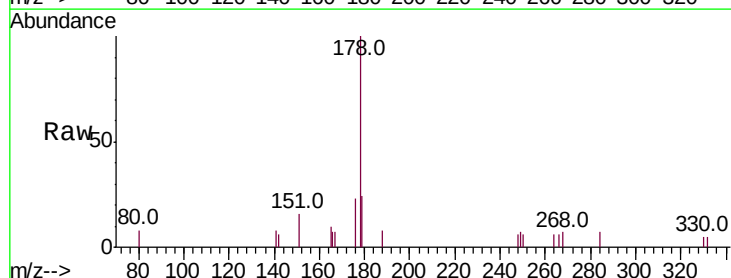
Delta R.T. -0.00 min

Lab File: BN004866.D

Acq: 22 Mar 2019 00:41

Tgt Ion:178 Resp: 1317

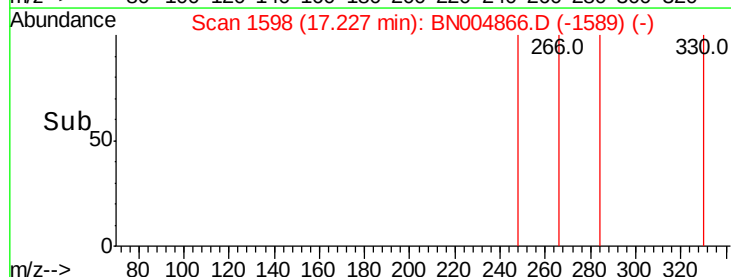
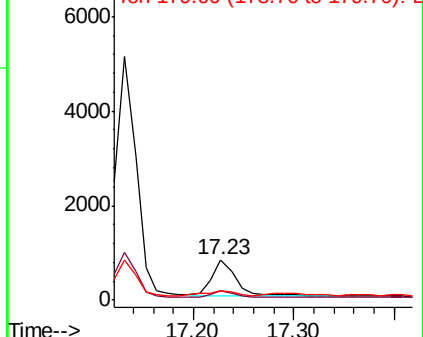
Ion	Ratio	Lower	Upper
178	100		
176	17.2	14.5	21.7
179	16.2	12.2	18.4

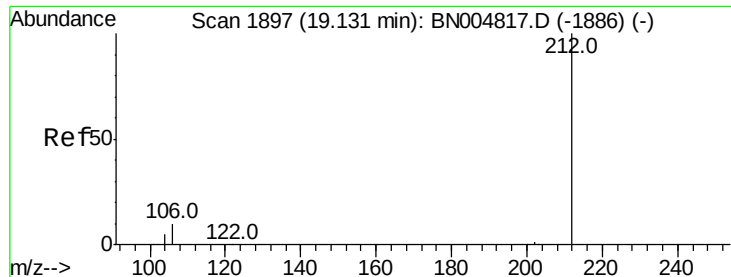


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

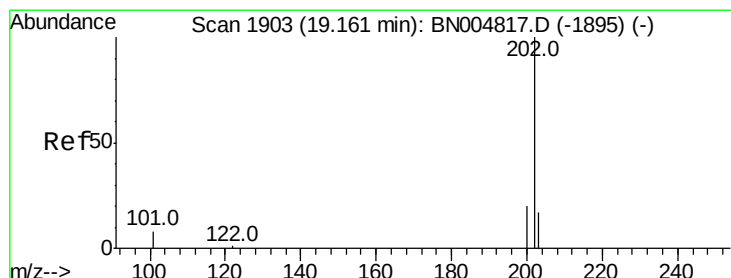
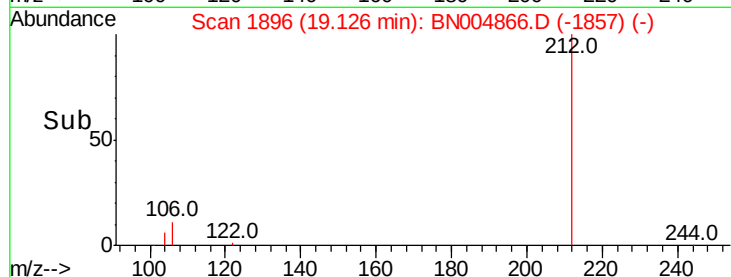
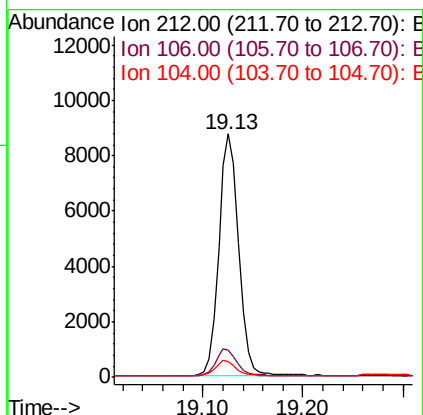
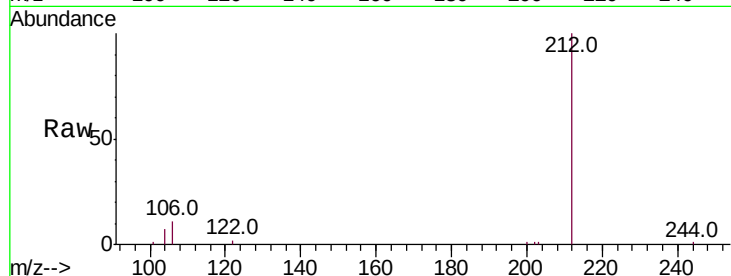




#25
Fluoranthene-d10
Concen: 0.254 ng
RT: 19.13 min Scan# 1896
Delta R.T. -0.01 min
Lab File: BN004866.D
Acq: 22 Mar 2019 00:41

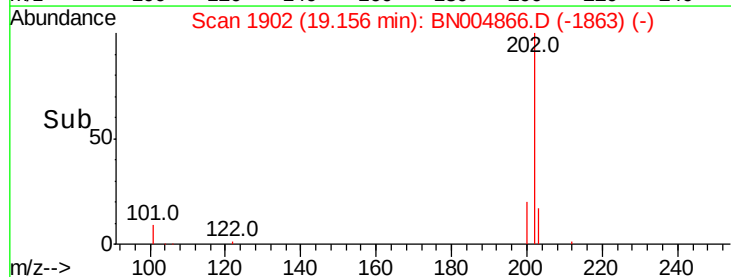
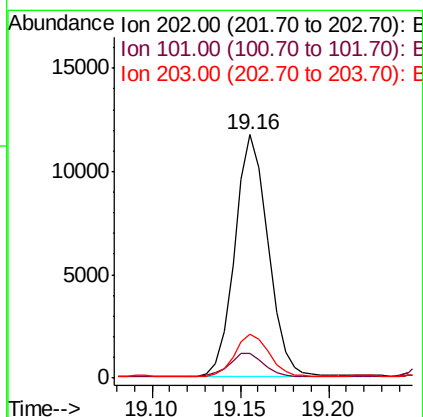
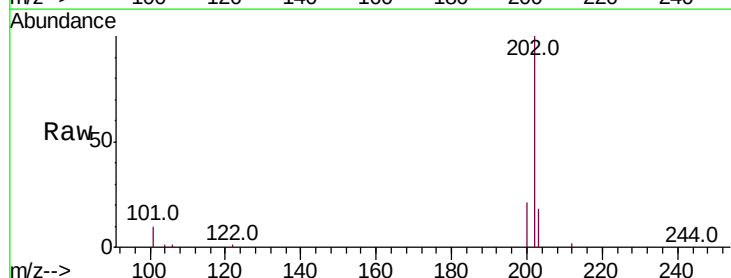
Instrument :
BNA_N
ClientSampleId :
PST-027-B115-030719

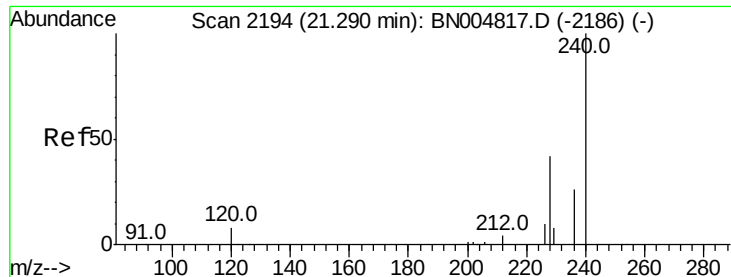
Tot Ion:212 Resp: 11916
Ion Ratio Lower Upper
212 100
106 11.5 8.6 13.0
104 6.2 4.7 7.1



#26
Fluoranthene
Concen: 0.264 ng
RT: 19.16 min Scan# 1902
Delta R.T. -0.01 min
Lab File: BN004866.D
Acq: 22 Mar 2019 00:41

Tgt Ion:202 Resp: 15353
Ion Ratio Lower Upper
202 100
101 10.2 7.5 11.3
203 17.6 13.8 20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.29 min Scan# 2194

Delta R.T. -0.00 min

Lab File: BN004866.D

Acq: 22 Mar 2019 00:41

Instrument :

BNA_N

ClientSampleId :

PST-027-B115-030719

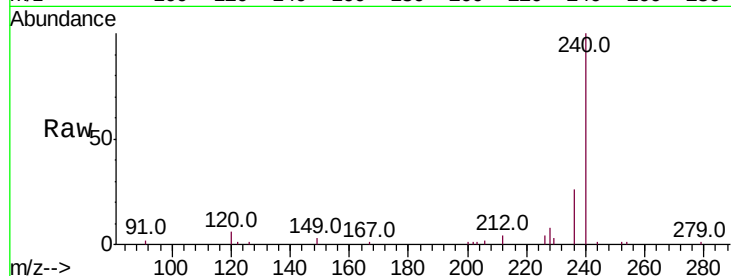
Tot Ion:240 Resp: 19099

Ion Ratio Lower Upper

240 100

120 6.5 7.2 10.8#

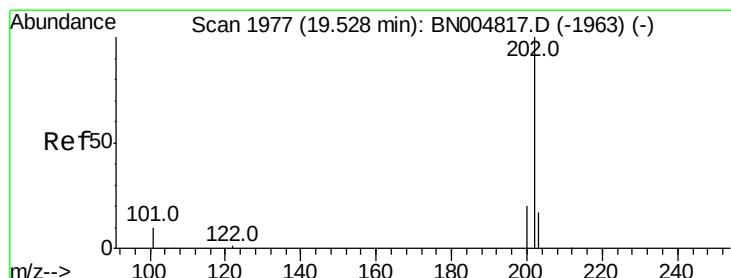
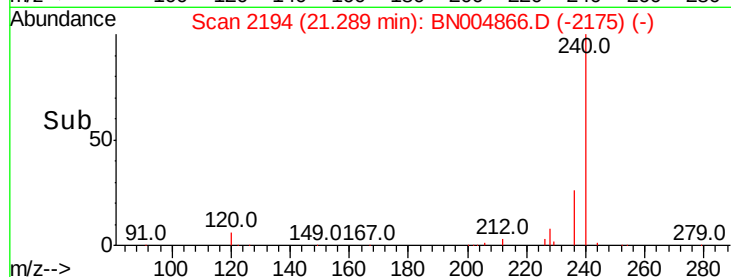
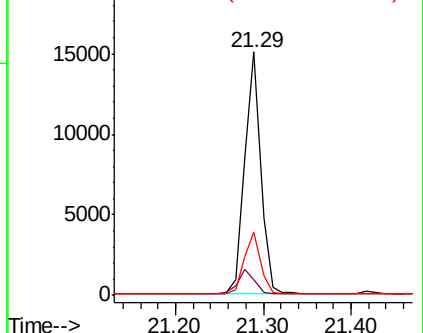
236 26.0 20.9 31.3



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: 0.268 ng

RT: 19.52 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BN004866.D

Acq: 22 Mar 2019 00:41

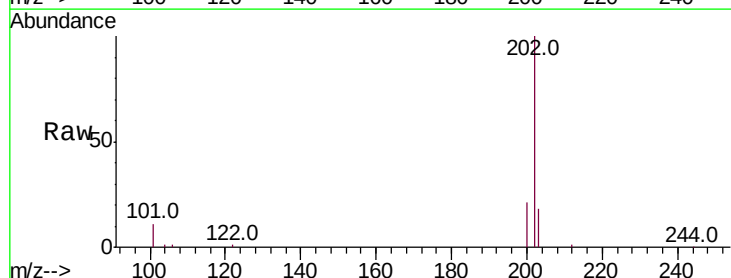
Tgt Ion:202 Resp: 15580

Ion Ratio Lower Upper

202 100

200 20.6 16.3 24.5

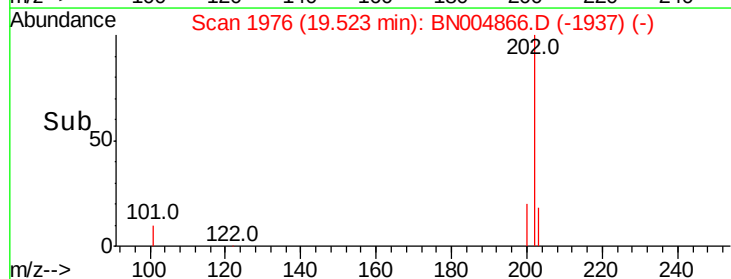
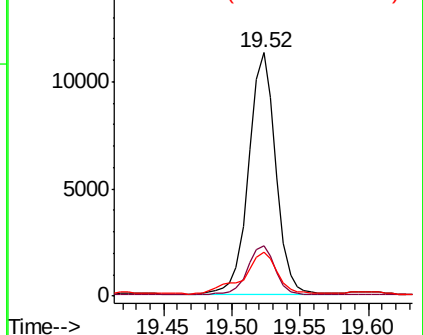
203 21.2 14.0 21.0#

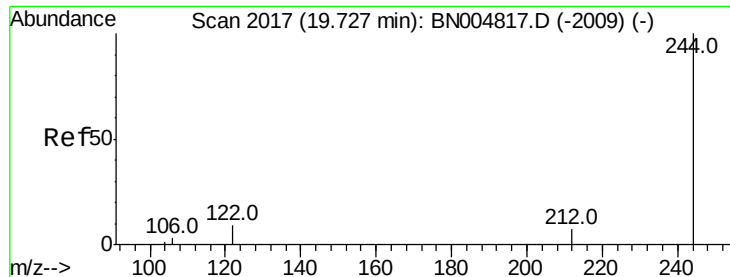


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.234 ng

RT: 19.72 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BN004866.D

Acq: 22 Mar 2019 00:41

Instrument :

BNA_N

ClientSampleId :

PST-027-B115-030719

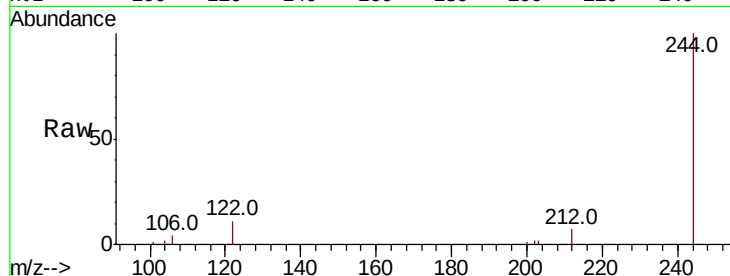
Tot Ion:244 Resp: 9142

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

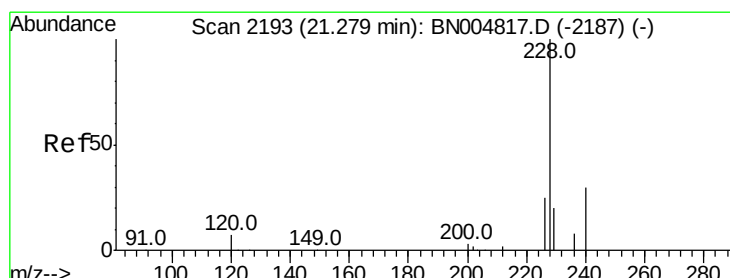
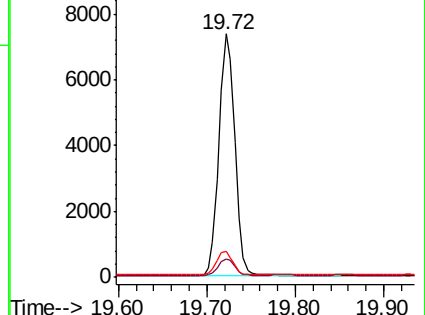
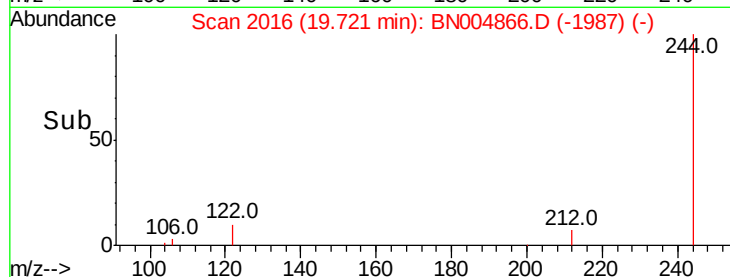
122 10.7 7.9 11.9



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: 0.149 ng

RT: 21.27 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BN004866.D

Acq: 22 Mar 2019 00:41

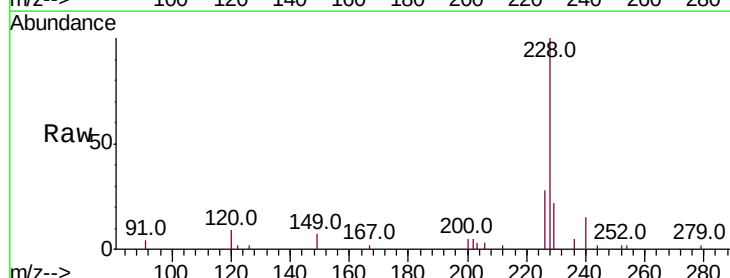
Tgt Ion:228 Resp: 9340

Ion Ratio Lower Upper

228 100

226 28.4 20.6 31.0

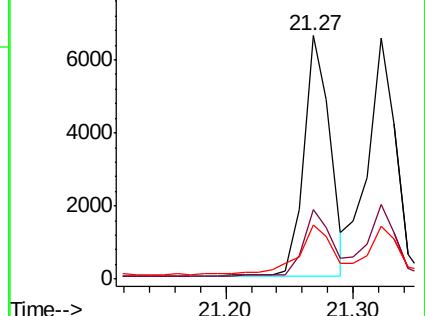
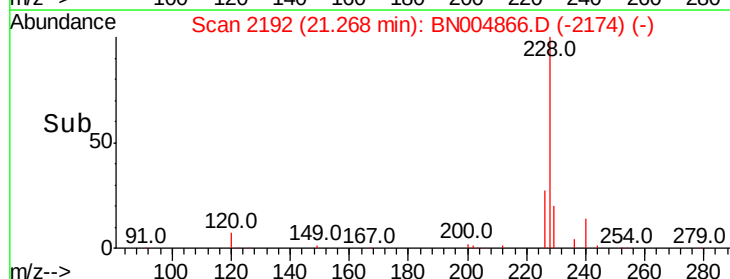
229 22.0 16.2 24.4

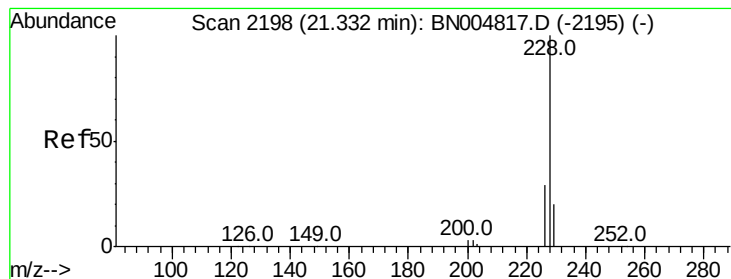


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.150 ng

RT: 21.32 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BN004866.D

Acq: 22 Mar 2019 00:41

Instrument :

BNA_N

ClientSampleId :

PST-027-B115-030719

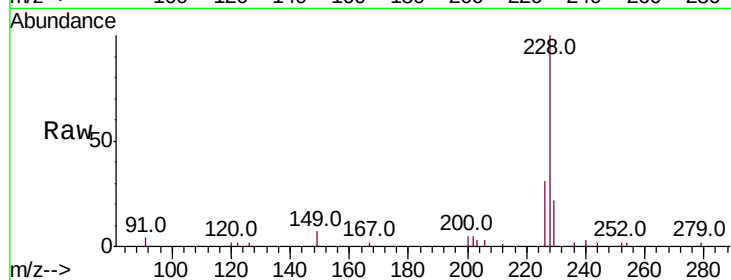
Tot Ion:228 Resp: 9863

Ion Ratio Lower Upper

228 100

226 31.0 23.0 34.6

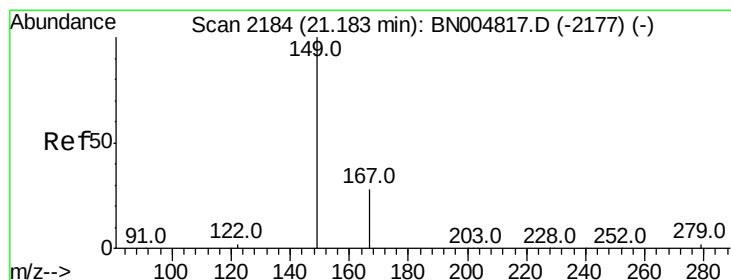
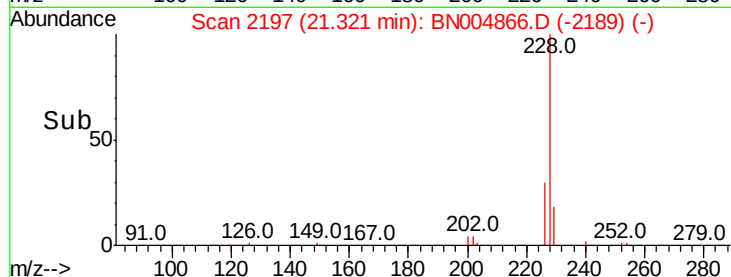
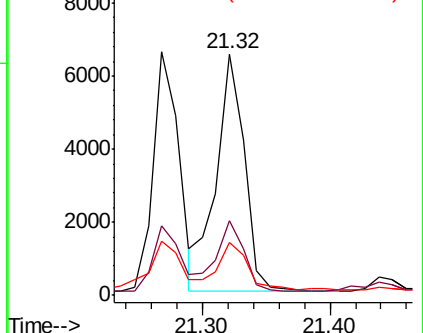
229 21.9 16.2 24.2



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: 0.038 ng

RT: 21.18 min Scan# 2184

Delta R.T. -0.00 min

Lab File: BN004866.D

Acq: 22 Mar 2019 00:41

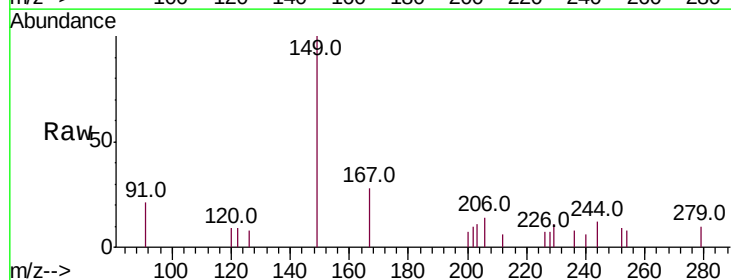
Tgt Ion:149 Resp: 960

Ion Ratio Lower Upper

149 100

167 28.0 23.0 34.4

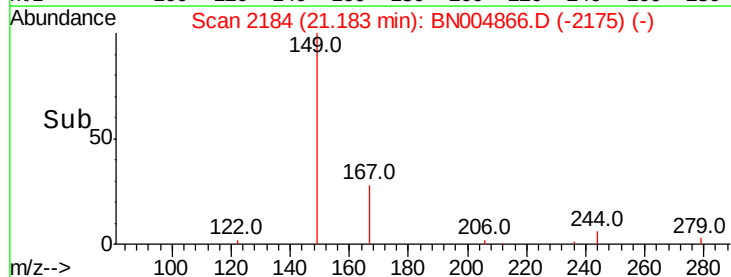
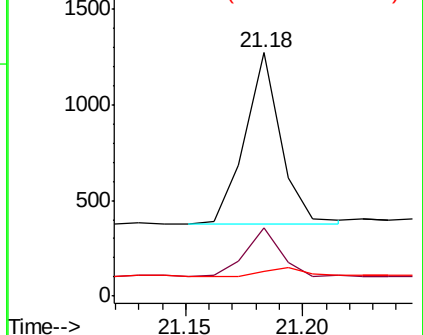
279 9.8 4.6 6.8#

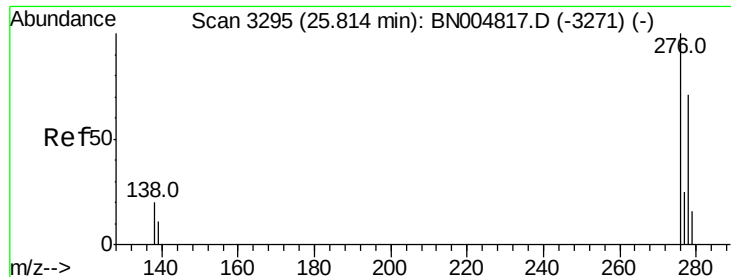


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.061 ng

RT: 25.81 min Scan# 3295

Delta R.T. -0.00 min

Lab File: BN004866.D

Acq: 22 Mar 2019 00:41

Instrument :

BNA_N

ClientSampleId :

PST-027-B115-030719

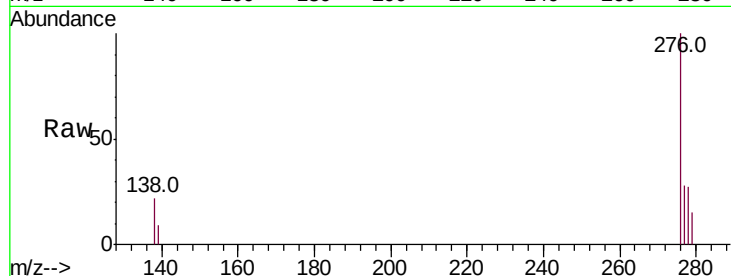
Tot Ion:276 Resp: 5844

Ion Ratio Lower Upper

276 100

138 18.9 16.6 24.8

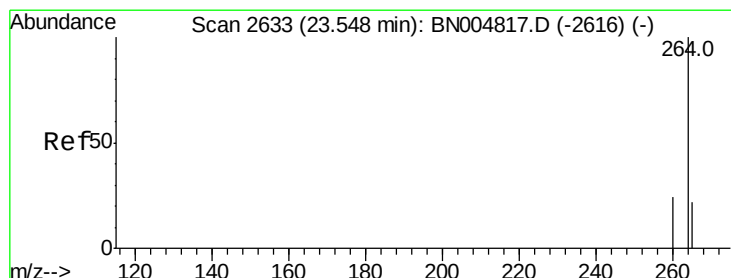
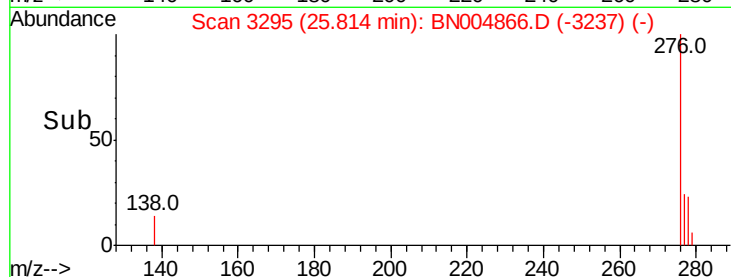
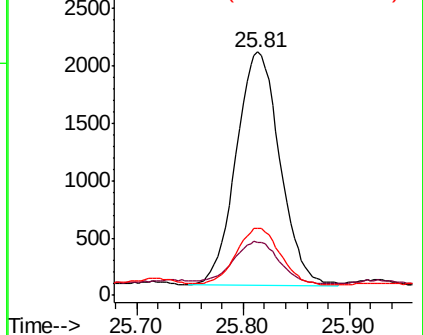
277 24.3 20.3 30.5



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: BN004866.D

Acq: 22 Mar 2019 00:41

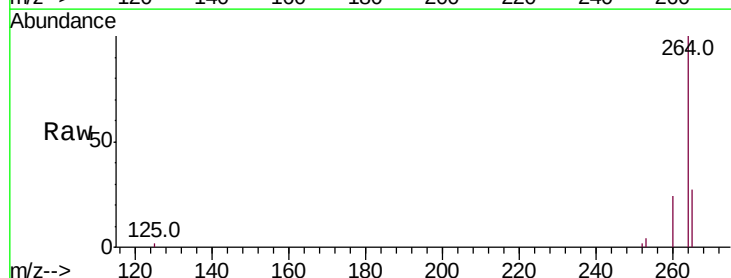
Tgt Ion:264 Resp: 21346

Ion Ratio Lower Upper

264 100

260 23.9 19.5 29.3

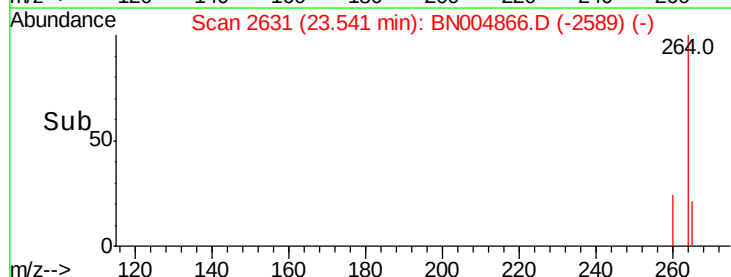
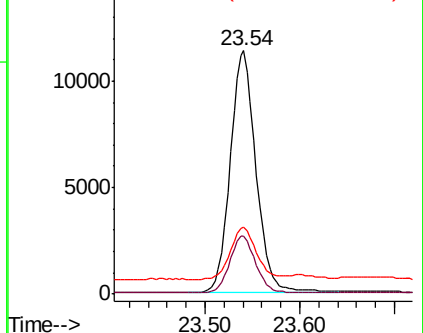
265 27.4 23.1 34.7

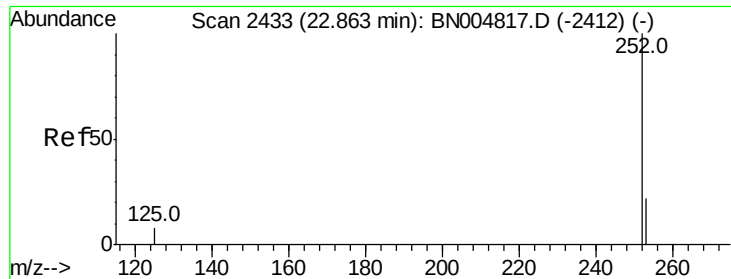


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

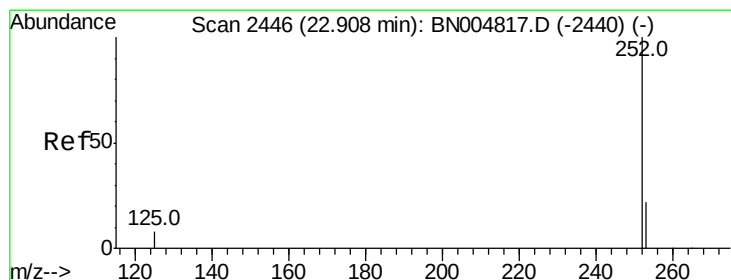
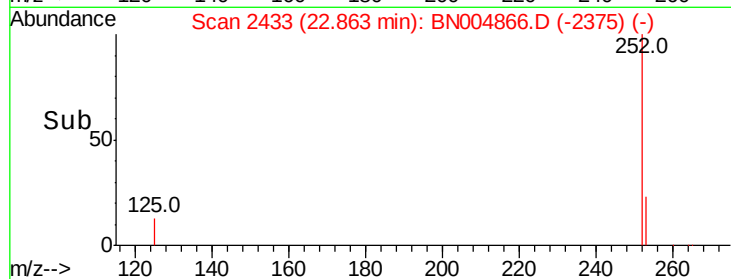
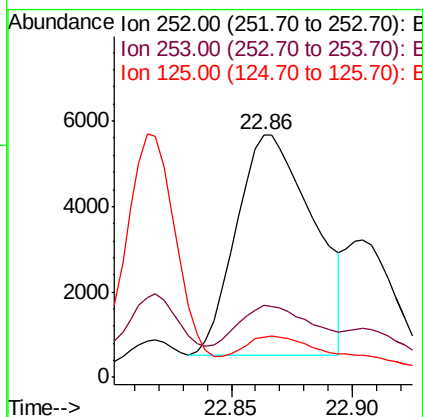
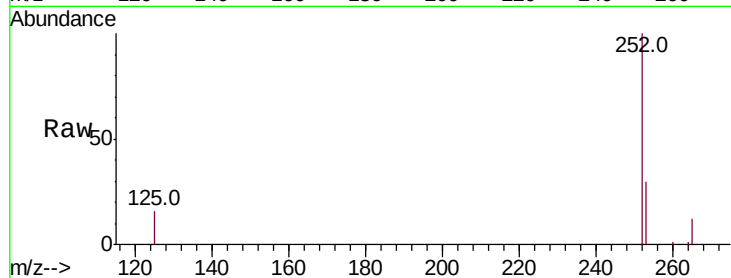




#35
Benzo(b)fluoranthene
Concen: 0.147 ng
RT: 22.86 min Scan# 2433
Delta R.T. -0.00 min
Lab File: BN004866.D
Acq: 22 Mar 2019 00:41

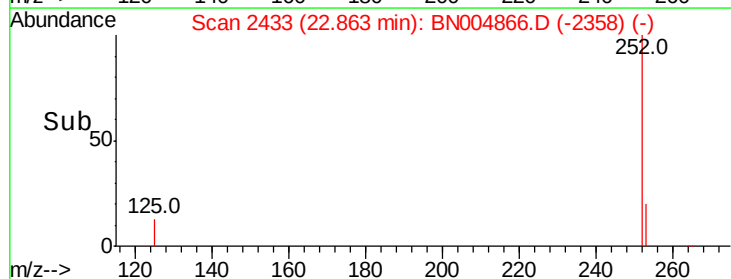
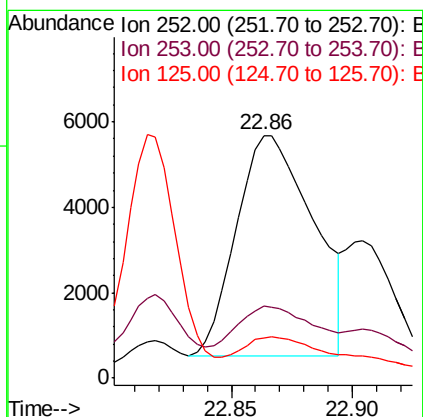
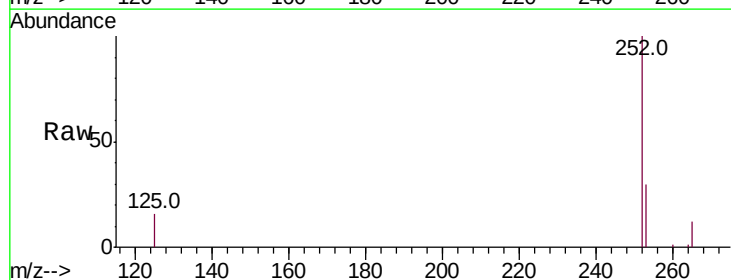
Instrument :
BNA_N
ClientSampleId :
PST-027-B115-030719

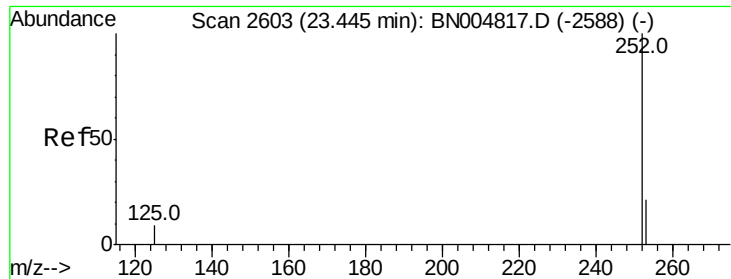
Tot Ion:252 Resp: 11389
Ion Ratio Lower Upper
252 100
253 29.5 19.0 28.4#
125 16.3 7.4 11.2#



#36
Benzo(k)fluoranthene
Concen: 0.150 ng
RT: 22.86 min Scan# 2433
Delta R.T. -0.04 min
Lab File: BN004866.D
Acq: 22 Mar 2019 00:41

Tgt Ion:252 Resp: 11389
Ion Ratio Lower Upper
252 100
253 29.5 19.3 28.9#
125 16.3 7.4 11.0#





#37

Benzo(a)pyrene

Concen: 0.130 ng

RT: 23.44 min Scan# 2602

Delta R.T. -0.00 min

Lab File: BN004866.D

Acq: 22 Mar 2019 00:41

Instrument :

BNA_N

ClientSampleId :

PST-027-B115-030719

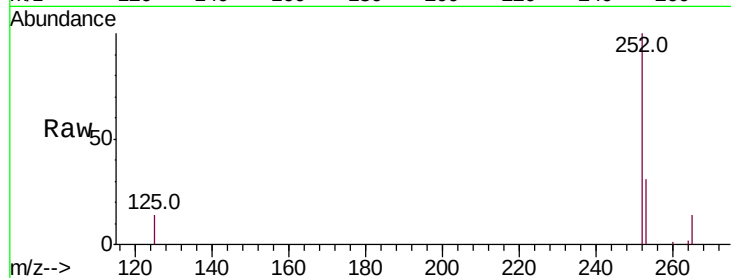
Tot Ion:252 Resp: 9178

Ion Ratio Lower Upper

252 100

253 31.2 19.7 29.5#

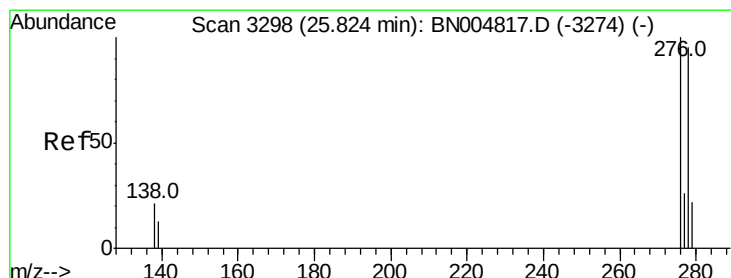
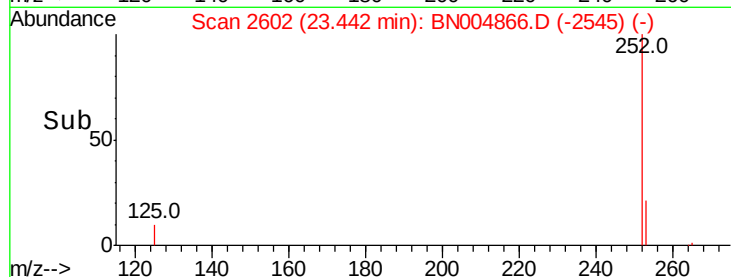
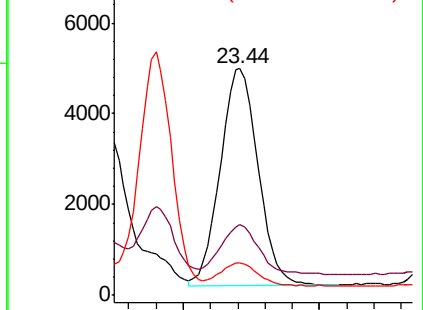
125 14.2 8.3 12.5#



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: 25.82 min Scan# 3296

Delta R.T. -0.01 min

Lab File: BN004866.D

Acq: 22 Mar 2019 00:41

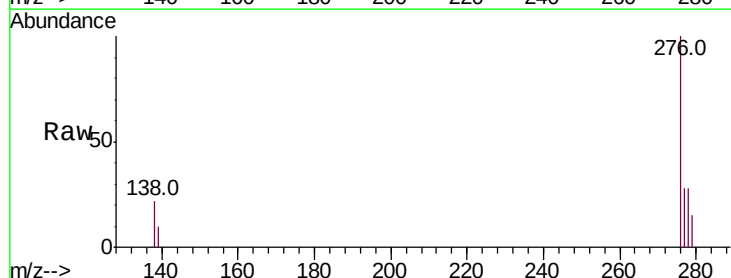
Tgt Ion:278 Resp: 1746

Ion Ratio Lower Upper

278 100

139 35.9 11.7 17.5#

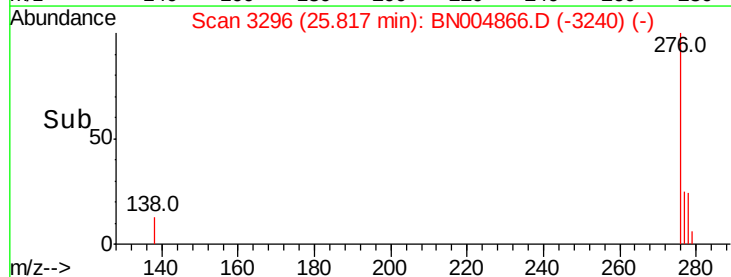
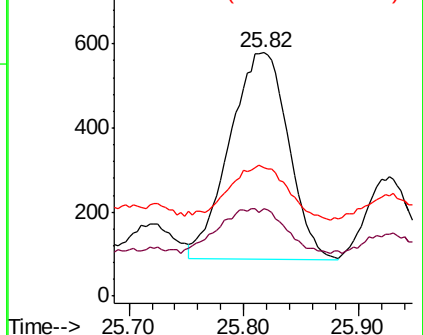
279 52.8 19.9 29.9#

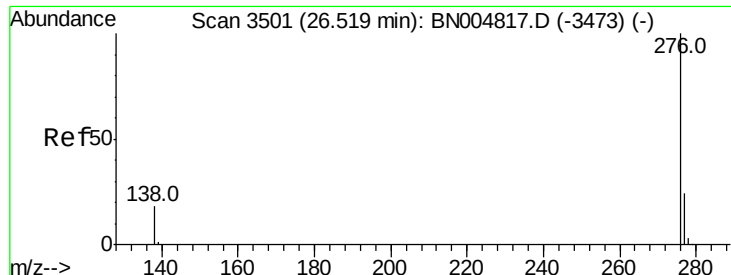


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.067 ng

RT: 26.51 min Scan# 3499

Delta R.T. -0.01 min

Lab File: BN004866.D

Acq: 22 Mar 2019 00:41

Instrument :

BNA_N

ClientSampleId :

PST-027-B115-030719

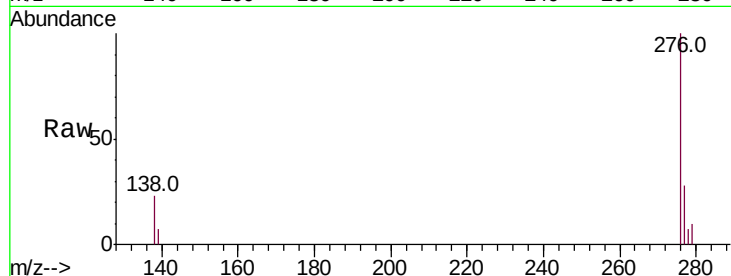
Tot Ion: 276 Resp: 5583

Ion Ratio Lower Upper

276 100

277 27.5 19.7 29.5

138 23.0 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

