

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004880.D
 Acq On : 22 Mar 2019 08:55
 Operator : JU/SJ
 Sample : K2013-11
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B122-031819

Quant Time: Mar 22 22:21:40 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	2157	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	10037	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	6344	0.40	ng	-0.01
19) Phenanthrene-d10	17.09	188	16023	0.40	ng	0.00
27) Chrysene-d12	21.29	240	20746	0.40	ng	0.00
34) Perylene-d12	23.54	264	22675	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.29	112	2703	0.46	ng	0.00
5) Phenol-d6	6.87	99	3747	0.51	ng	0.00
8) Nitrobenzene-d5	8.86	82	2457	0.37	ng	-0.01
11) 2-Methylnaphthalene-d10	12.08	152	6459	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	2738	0.62	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	10226	0.39	ng	-0.01
25) Fluoranthene-d10	19.13	212	17978	0.34	ng	0.00
29) Terphenyl-d14	19.72	244	19310	0.45	ng	0.00

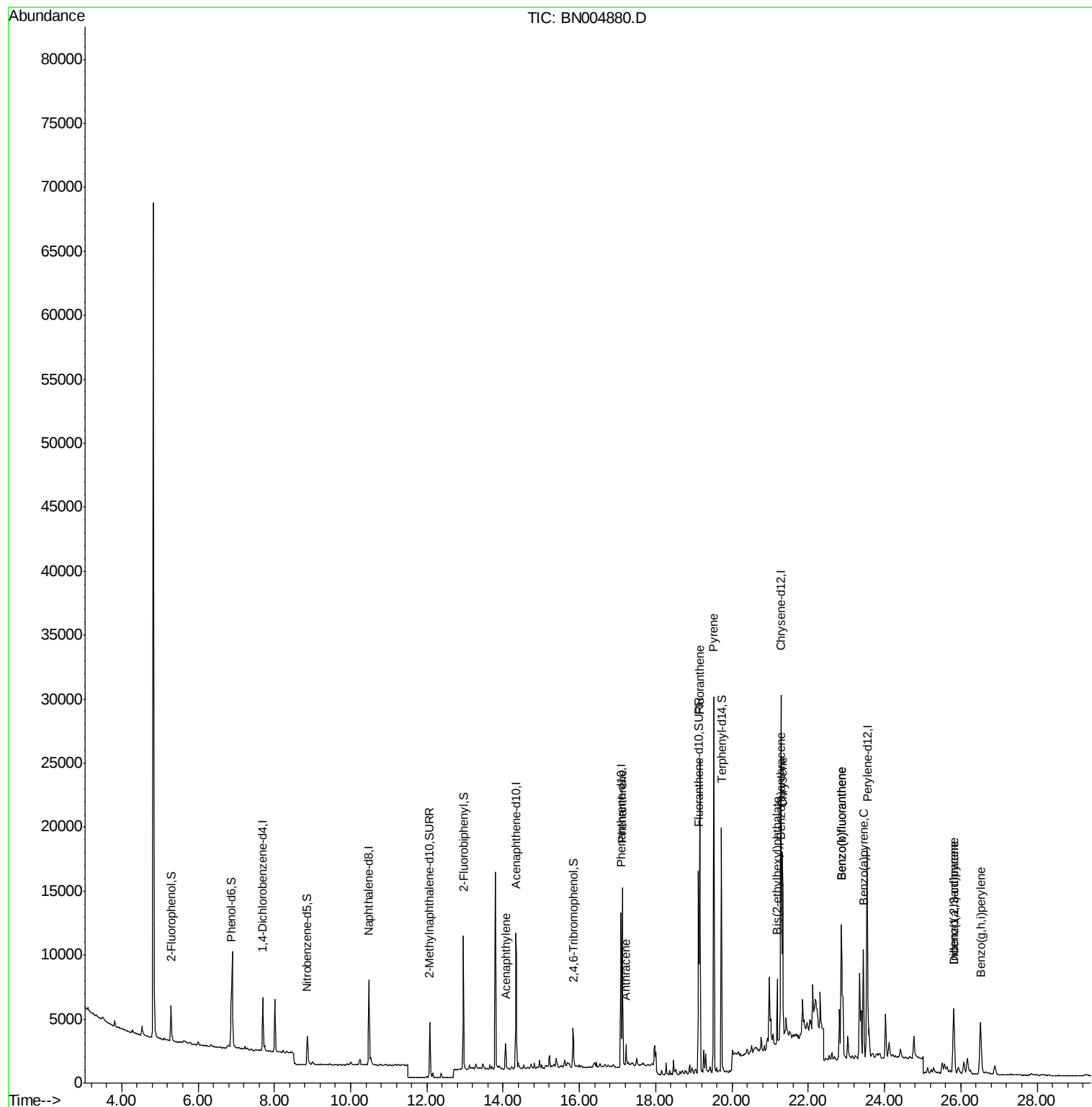
Target Compounds					Qvalue	
16) Acenaphthylene	14.07	152	2700	0.083	ng	99
23) Phenanthrene	17.13	178	13868	0.268	ng	99
24) Anthracene	17.23	178	1860	0.040	ng	99
26) Fluoranthene	19.16	202	21454	0.323	ng	98
28) Pyrene	19.52	202	26671	0.422	ng	97
30) Benzo(a)anthracene	21.27	228	11060	0.163	ng	93
31) Chrysene	21.32	228	14963	0.209	ng	96
32) Bis(2-ethylhexyl)phthalate	21.18	149	4289	0.158	ng	99
33) Indeno(1,2,3-cd)pyrene	25.81	276	7995	0.077	ng	98
35) Benzo(b)fluoranthene	22.87	252	15705	0.191	ng	# 81
36) Benzo(k)fluoranthene	22.87	252	15705	0.195	ng	# 82
37) Benzo(a)pyrene	23.45	252	12004	0.160	ng	# 91
38) Dibenzo(a,h)anthracene	25.82	278	2146	0.025	ng	# 40
39) Benzo(g,h,i)perylene	26.52	276	8648	0.097	ng	# 94

(#) = 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: BN004880.D

Acq: 22 Mar 2019 08:55

Instrument :

BNA_N

ClientSampleId :

PST-026-B122-031819

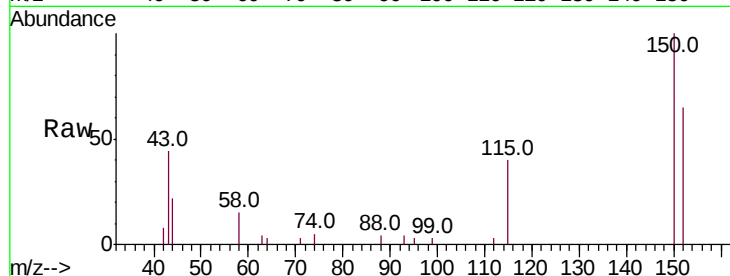
Tot Ion:152 Resp: 2157

Ion Ratio Lower Upper

152 100

150 154.8 126.2 189.4

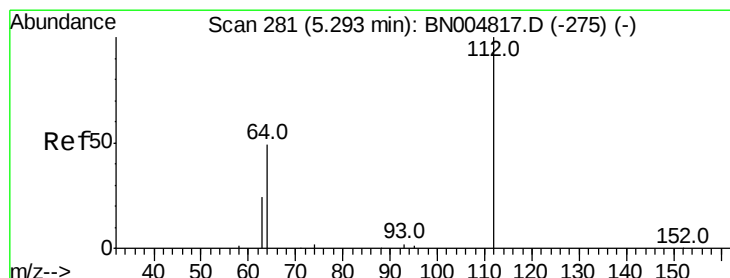
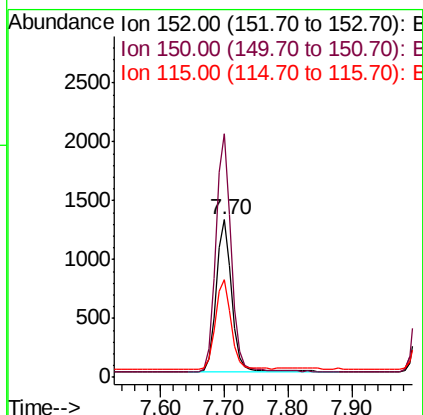
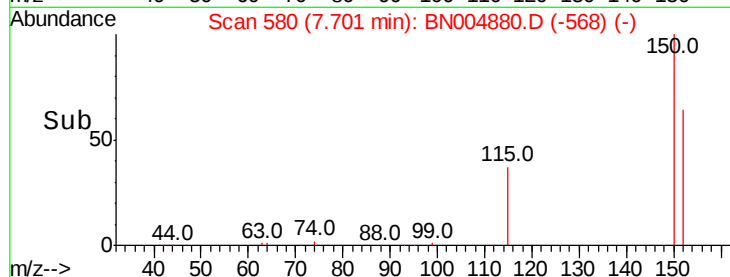
115 62.1 52.6 79.0



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: 0.461 ng

RT: 5.29 min Scan# 281

Delta R.T. 0.00 min

Lab File: BN004880.D

Acq: 22 Mar 2019 08:55

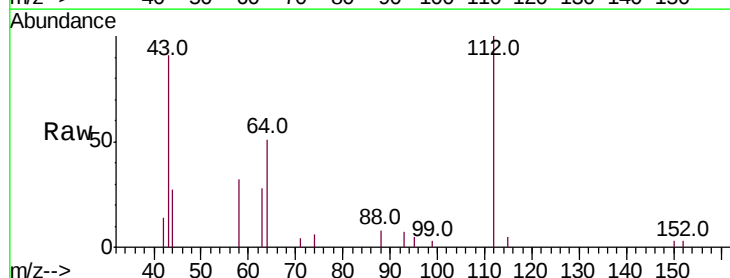
Tgt Ion:112 Resp: 2703

Ion Ratio Lower Upper

112 100

64 49.8 40.0 60.0

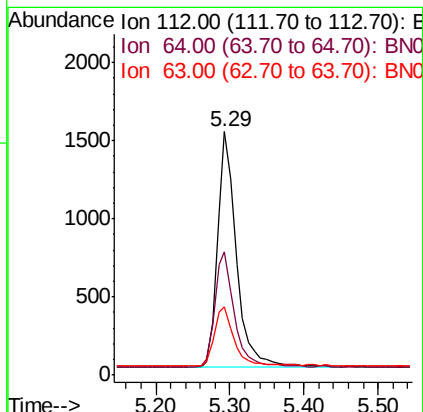
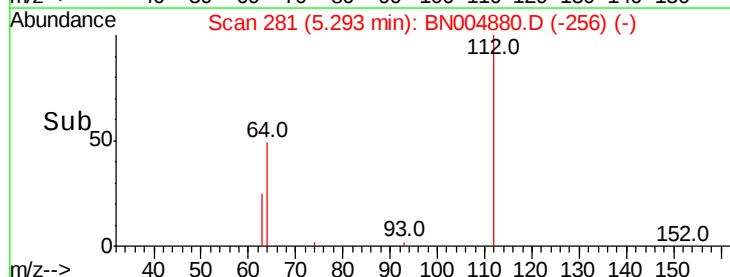
63 25.7 20.2 30.2



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: 0.513 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004880.D

Acq: 22 Mar 2019 08:55

Instrument :

BNA_N

ClientSampleId :

PST-026-B122-031819

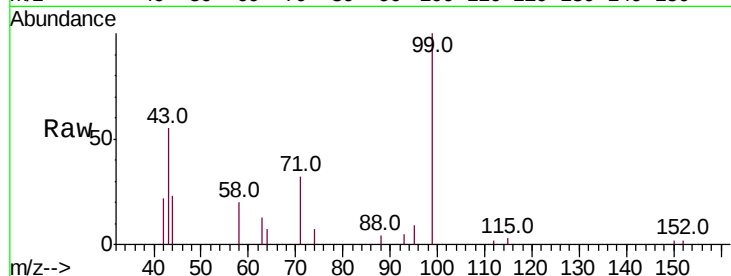
Tot Ion: 99 Resp: 3747

Ion Ratio Lower Upper

99 100

42 26.8 12.7 19.1#

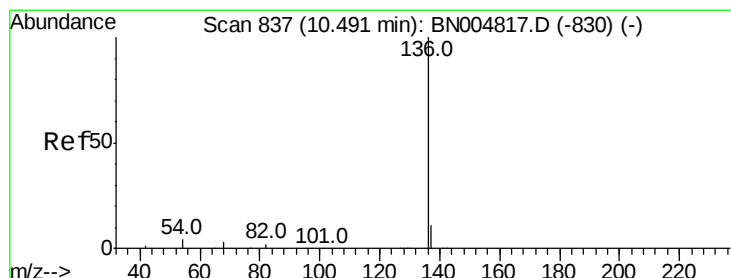
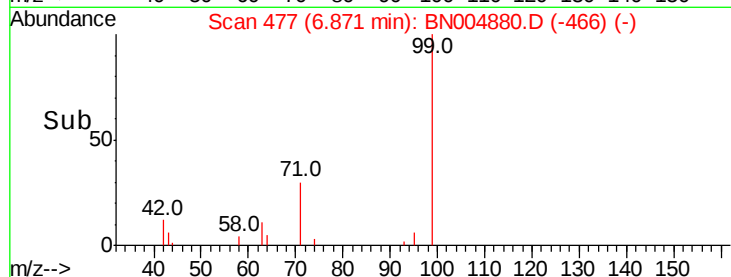
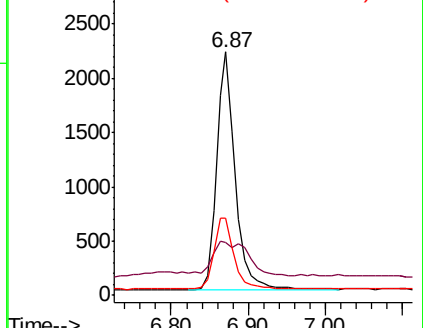
71 31.5 26.6 40.0



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: 10.48 min Scan# 836

Delta R.T. -0.01 min

Lab File: BN004880.D

Acq: 22 Mar 2019 08:55

Tgt Ion: 136 Resp: 10037

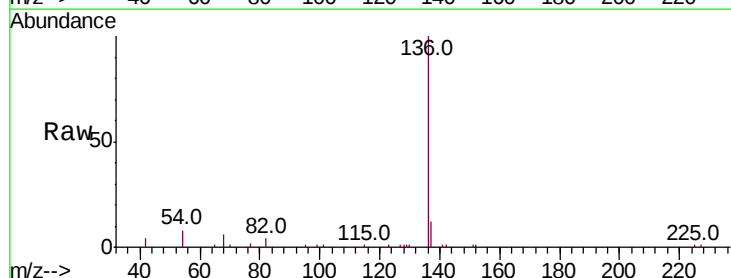
Ion Ratio Lower Upper

136 100

137 11.6 9.6 14.4

54 7.7 4.2 6.2#

68 6.4 3.9 5.9#

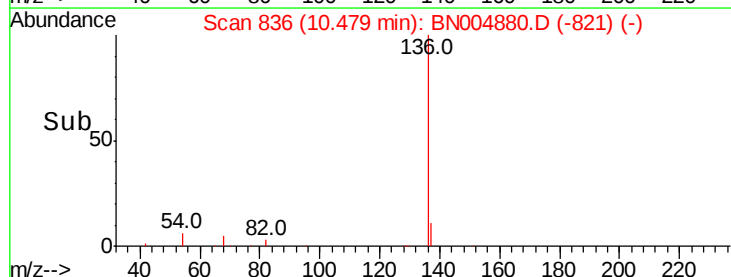
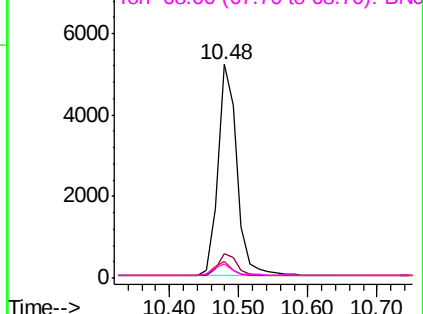


Abundance Ion 136.00 (135.70 to 136.70): BN004817.D (-830) (-)

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: 0.370 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004880.D

Acq: 22 Mar 2019 08:55

Instrument :

BNA_N

ClientSampleId :

PST-026-B122-031819

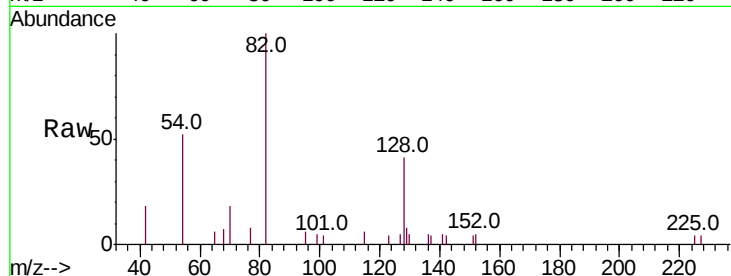
Tot Ion: 82 Resp: 2457

Ion Ratio Lower Upper

82 100

128 41.1 43.0 64.6#

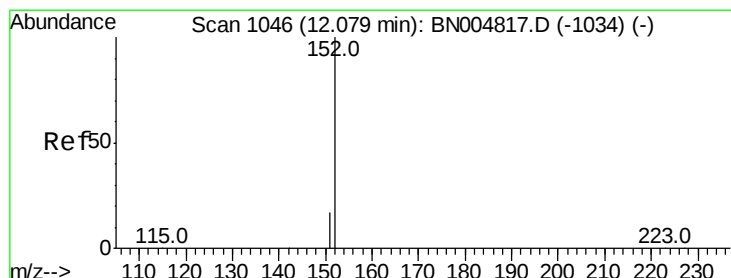
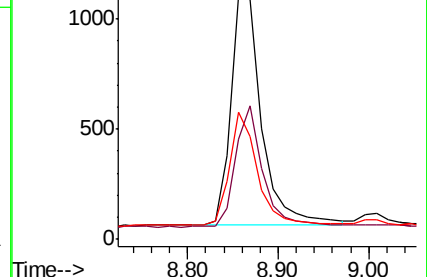
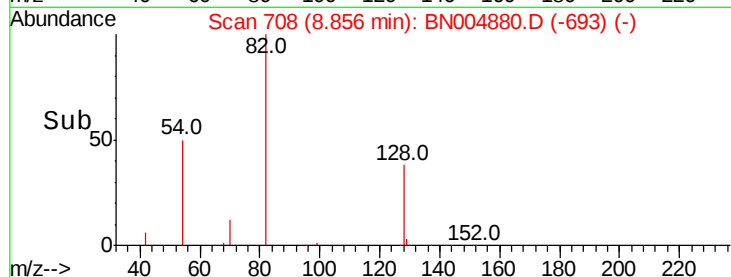
54 52.4 35.3 52.9



Abundance Ion 82.00 (81.70 to 82.70): BN004880.D (-693) (-)

Ion 128.00 (127.70 to 128.70): BN004880.D (-693) (-)

Ion 54.00 (53.70 to 54.70): BN004880.D (-693) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.369 ng

RT: 12.08 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BN004880.D

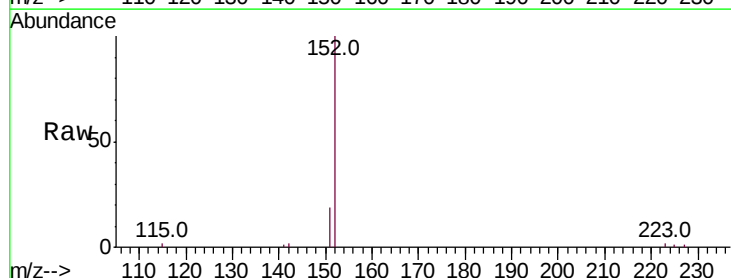
Acq: 22 Mar 2019 08:55

Tgt Ion: 152 Resp: 6459

Ion Ratio Lower Upper

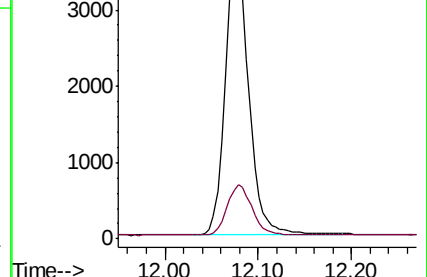
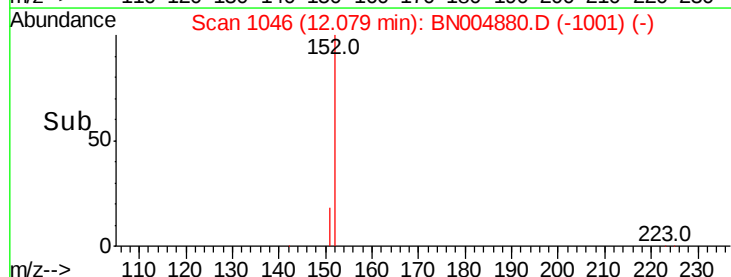
152 100

151 19.3 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): BN004880.D (-1001) (-)

Ion 151.00 (150.70 to 151.70): BN004880.D (-1001) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004880.D

Acq: 22 Mar 2019 08:55

Instrument :

BNA_N

ClientSampleId :

PST-026-B122-031819

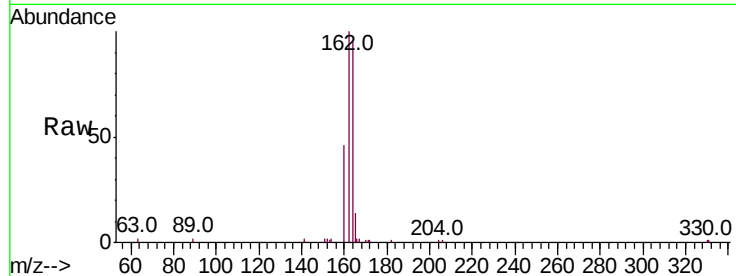
Tot Ion:164 Resp: 6344

Ion Ratio Lower Upper

164 100

162 105.2 81.9 122.9

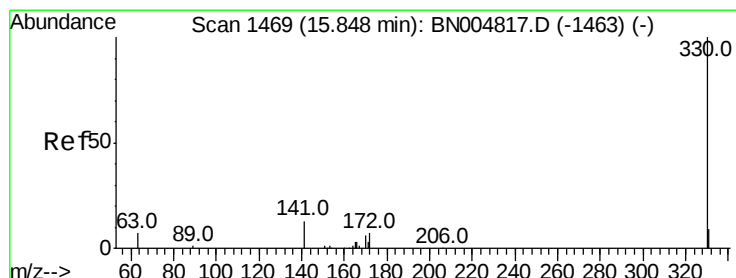
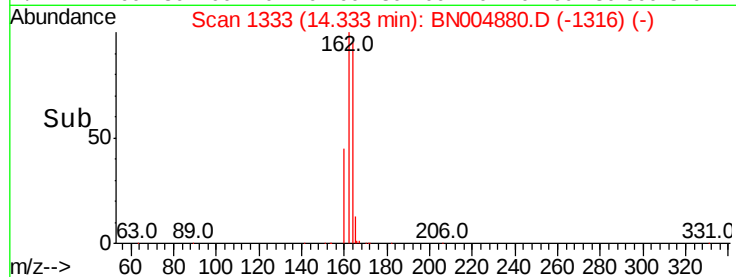
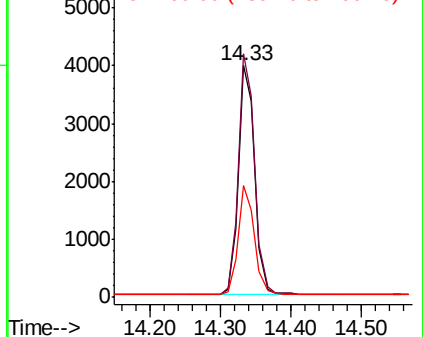
160 48.2 36.6 54.8



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: 0.625 ng

RT: 15.84 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BN004880.D

Acq: 22 Mar 2019 08:55

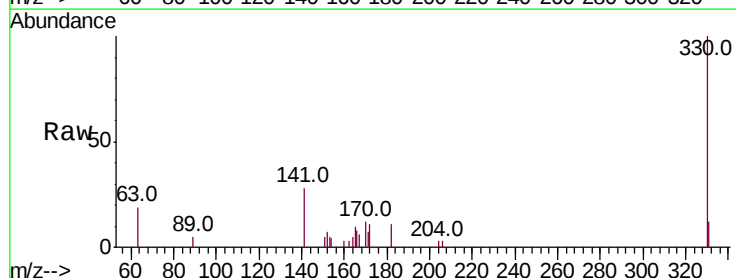
Tgt Ion:330 Resp: 2738

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

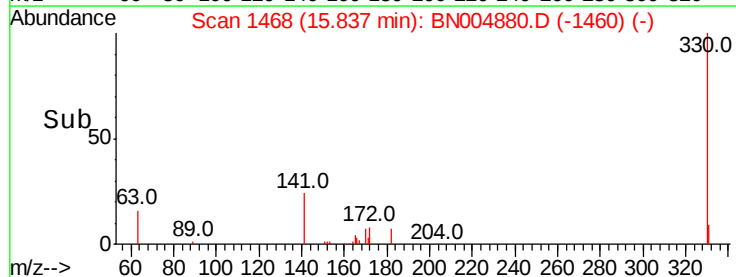
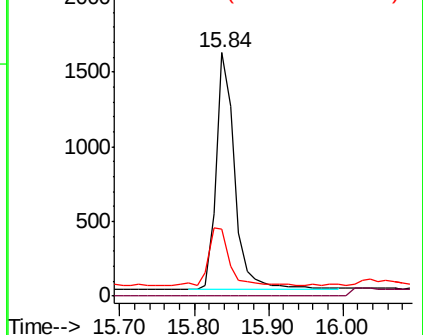
141 27.7 20.9 31.3

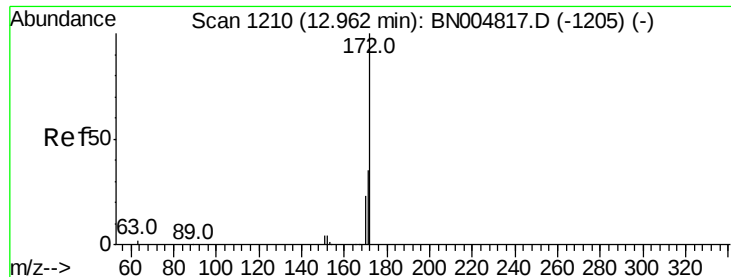


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

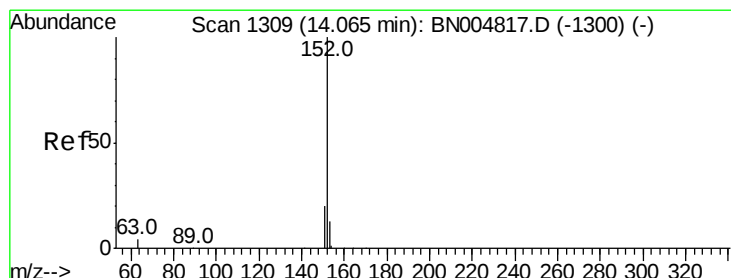
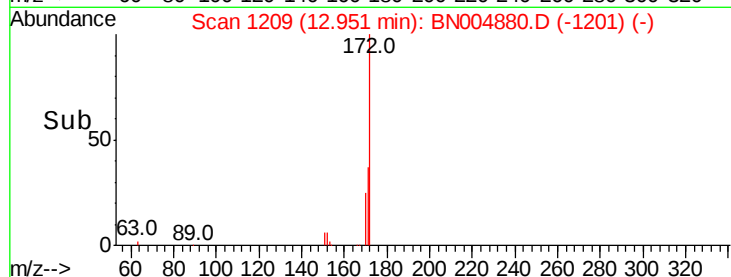
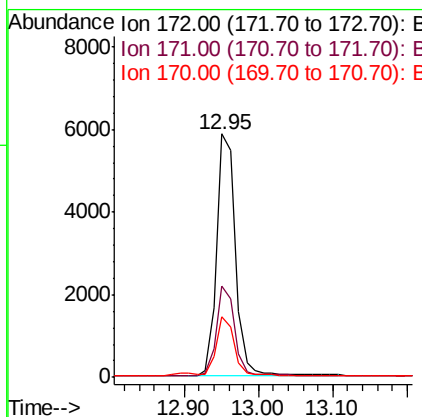
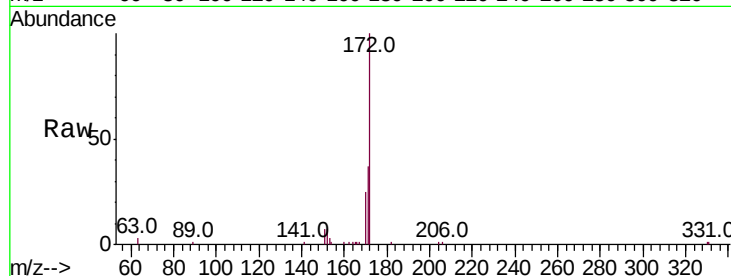




#15
2-Fluorobiphenyl
Concen: 0.390 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004880.D
Acq: 22 Mar 2019 08:55

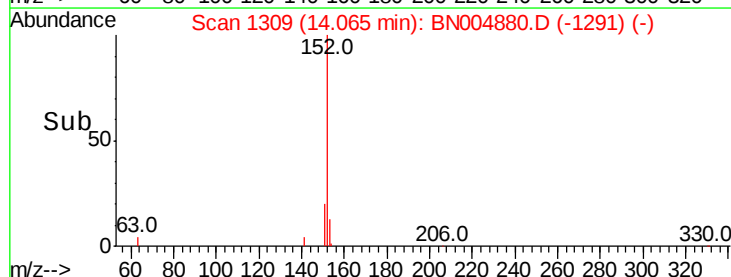
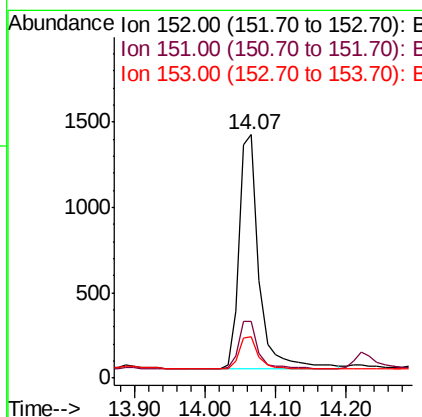
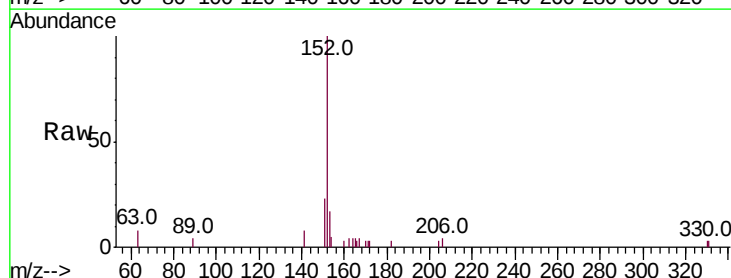
Instrument :
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PST-026-B122-031819

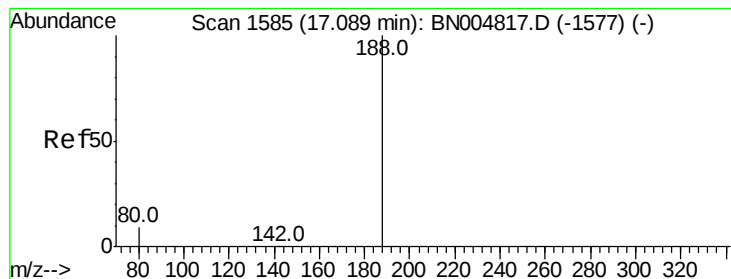
Tot Ion:172 Resp: 10226
Ion Ratio Lower Upper
172 100
171 37.3 28.7 43.1
170 25.1 18.7 28.1



#16
Acenaphthylene
Concen: 0.083 ng
RT: 14.07 min Scan# 1309
Delta R.T. 0.00 min
Lab File: BN004880.D
Acq: 22 Mar 2019 08:55

Tgt Ion:152 Resp: 2700
Ion Ratio Lower Upper
152 100
151 20.3 16.1 24.1
153 14.1 10.5 15.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.09 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BN004880.D

Acq: 22 Mar 2019 08:55

Instrument :

BNA_N

ClientSampleId :

PST-026-B122-031819

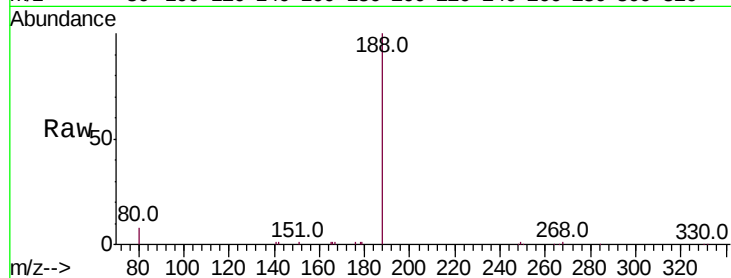
Tot Ion:188 Resp: 16023

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

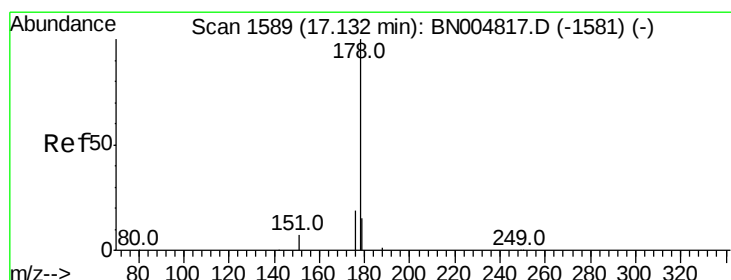
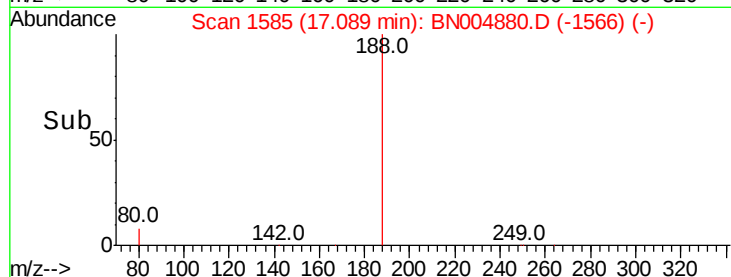
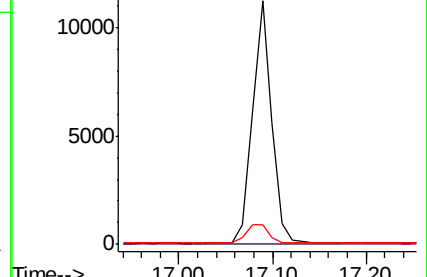
80 8.2 7.4 11.2



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: 0.268 ng

RT: 17.13 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BN004880.D

Acq: 22 Mar 2019 08:55

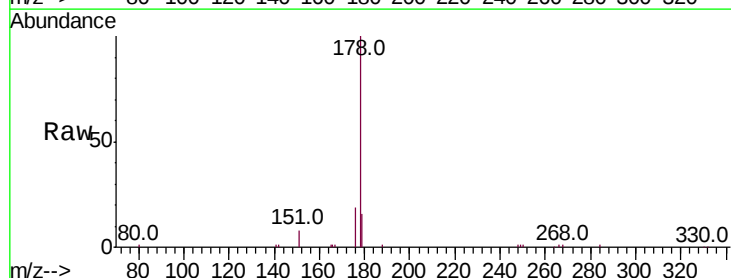
Tgt Ion:178 Resp: 13868

Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

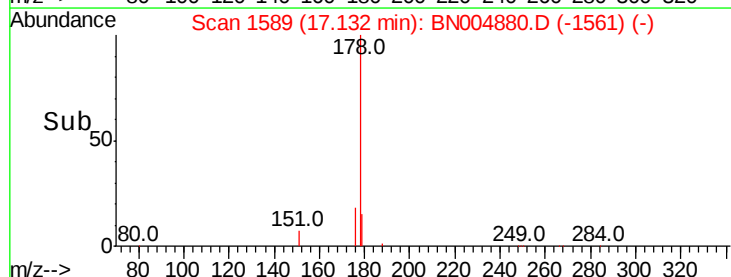
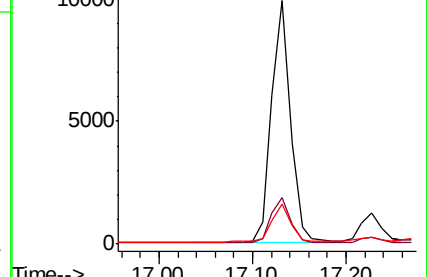
179 15.8 12.1 18.1

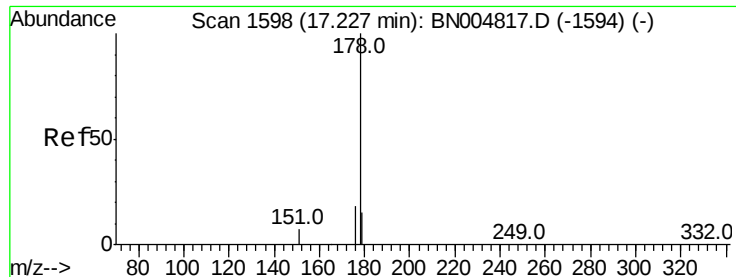


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.040 ng

RT: 17.23 min Scan# 1598

Delta R.T. 0.00 min

Lab File: BN004880.D

Acq: 22 Mar 2019 08:55

Instrument :

BNA_N

ClientSampleId :

PST-026-B122-031819

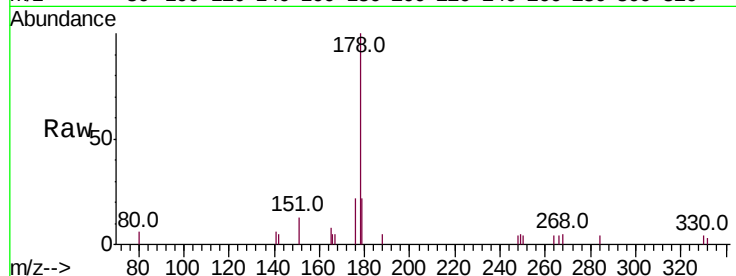
Tot Ion:178 Resp: 1860

Ion Ratio Lower Upper

178 100

176 18.1 14.5 21.7

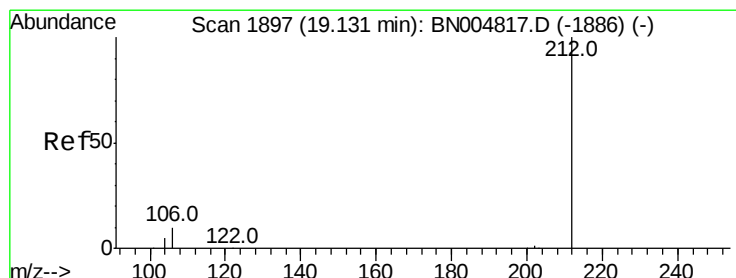
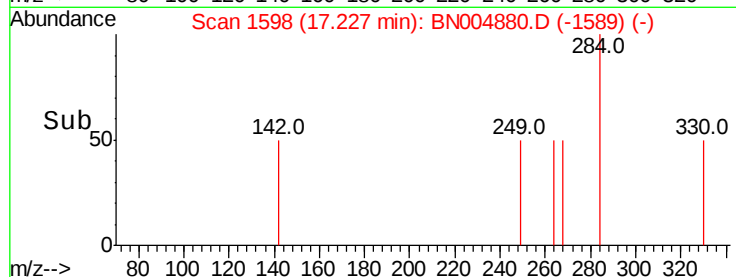
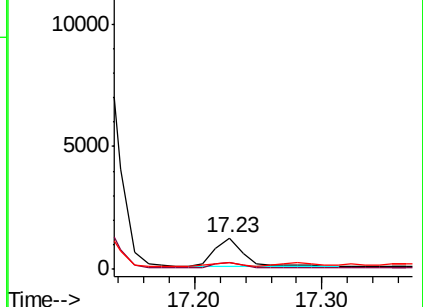
179 14.1 12.2 18.4



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: 0.335 ng

RT: 19.13 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BN004880.D

Acq: 22 Mar 2019 08:55

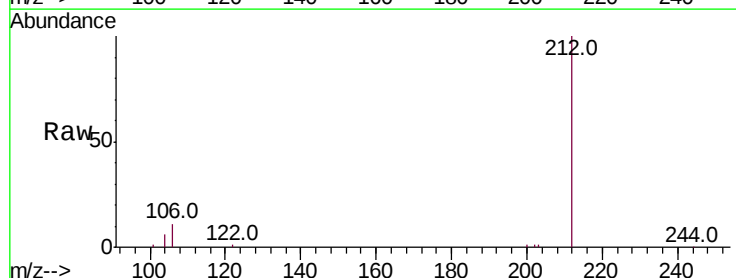
Tgt Ion:212 Resp: 17978

Ion Ratio Lower Upper

212 100

106 11.6 8.6 13.0

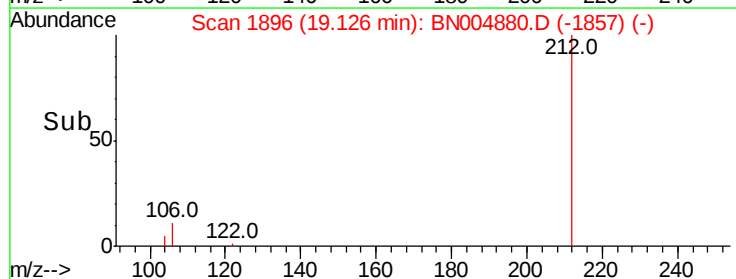
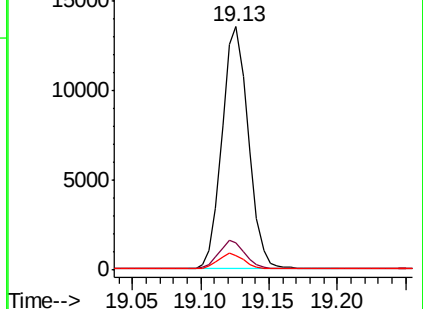
104 6.4 4.7 7.1

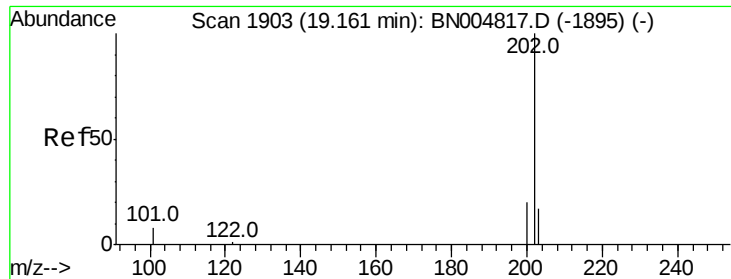


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

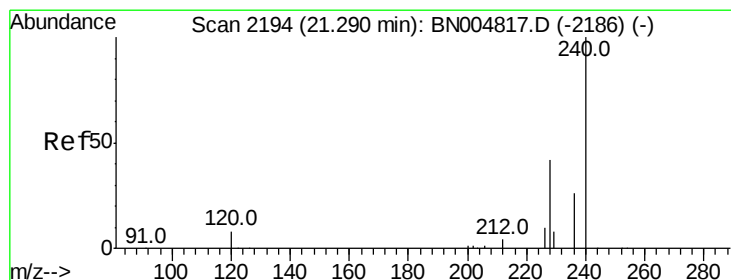
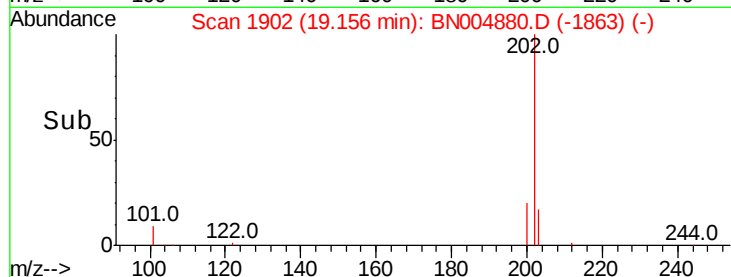
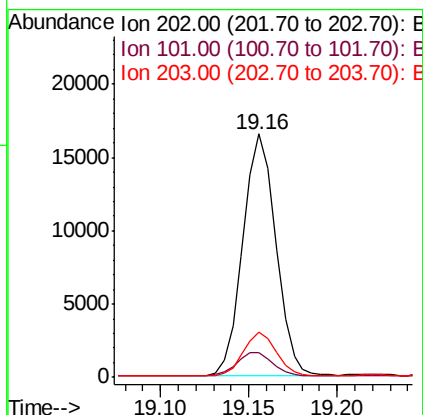
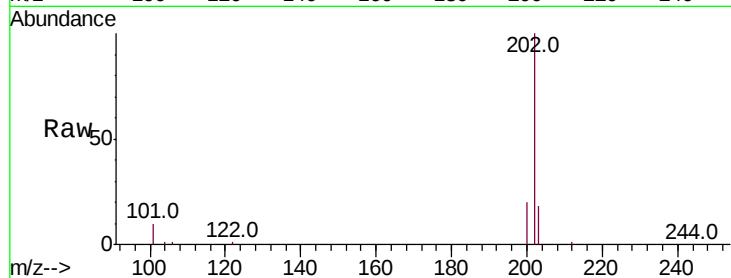




#26
Fluoranthene
Concen: 0.323 ng
RT: 19.16 min Scan# 1902
Delta R.T. -0.00 min
Lab File: BN004880.D
Acq: 22 Mar 2019 08:55

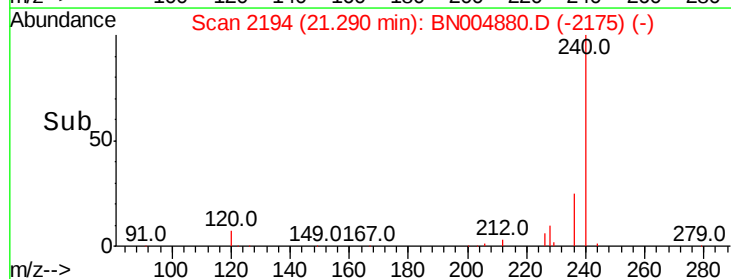
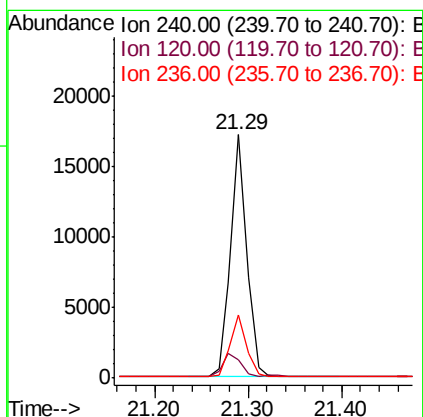
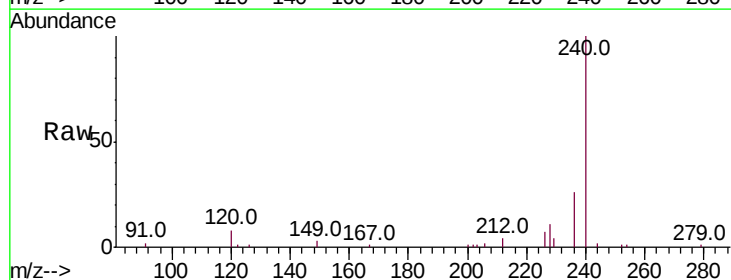
Instrument :
BNA_N
ClientSampleId :
PST-026-B122-031819

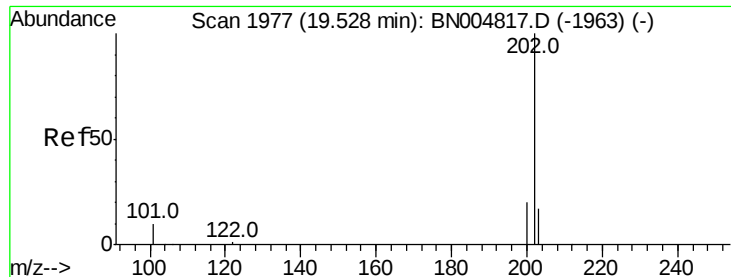
Tot Ion:202 Resp: 21454
Ion Ratio Lower Upper
202 100
101 10.7 7.5 11.3
203 17.9 13.8 20.6



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.29 min Scan# 2194
Delta R.T. 0.00 min
Lab File: BN004880.D
Acq: 22 Mar 2019 08:55

Tgt Ion:240 Resp: 20746
Ion Ratio Lower Upper
240 100
120 7.6 7.2 10.8
236 25.9 20.9 31.3





#28

Pvrene

Concen: 0.422 ng

RT: 19.52 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BN004880.D

Acq: 22 Mar 2019 08:55

Instrument :

BNA_N

ClientSampleId :

PST-026-B122-031819

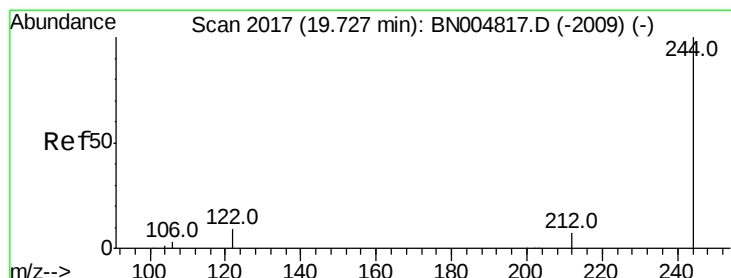
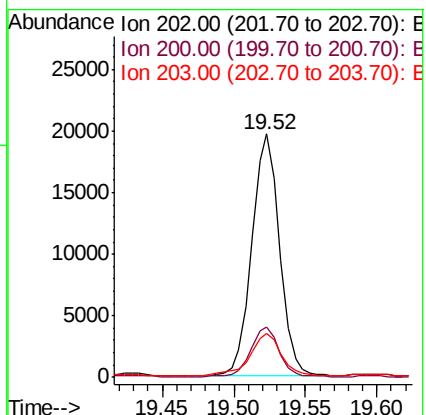
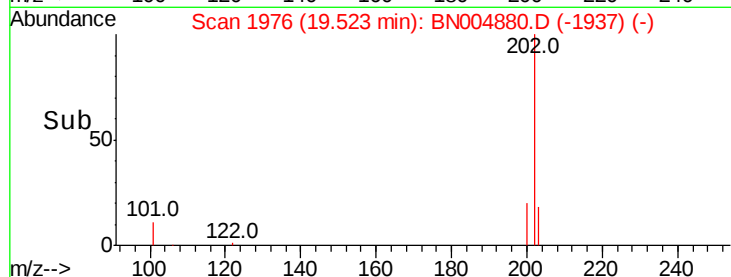
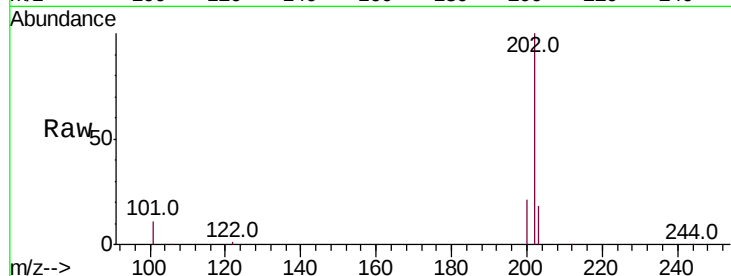
Tot Ion:202 Resp: 26671

Ion Ratio Lower Upper

202 100

200 20.5 16.3 24.5

203 19.8 14.0 21.0



#29

Terphenyl-d14

Concen: 0.455 ng

RT: 19.72 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BN004880.D

Acq: 22 Mar 2019 08:55

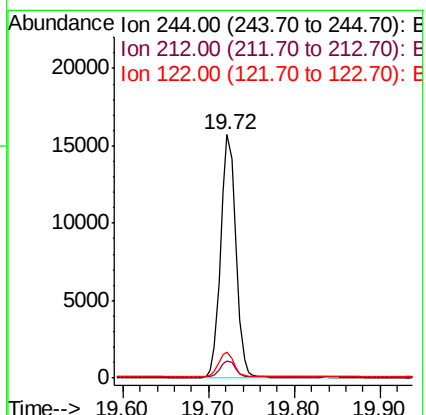
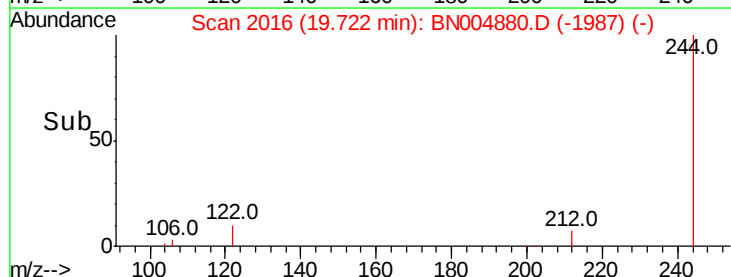
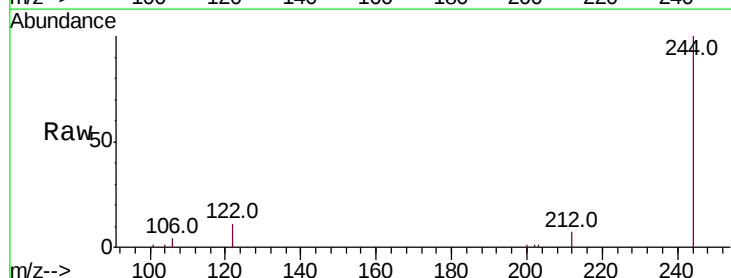
Tgt Ion:244 Resp: 19310

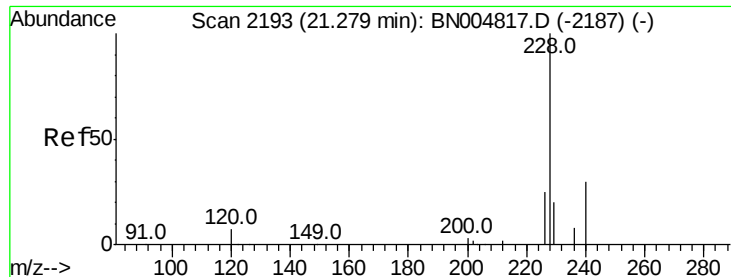
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

122 10.5 7.9 11.9





#30

Benzo(a)anthracene

Concen: 0.163 ng

RT: 21.27 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BN004880.D

Acq: 22 Mar 2019 08:55

Instrument :

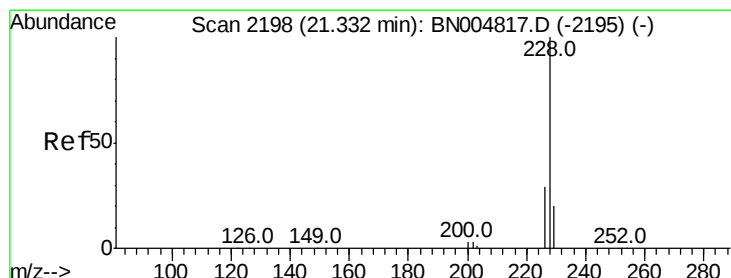
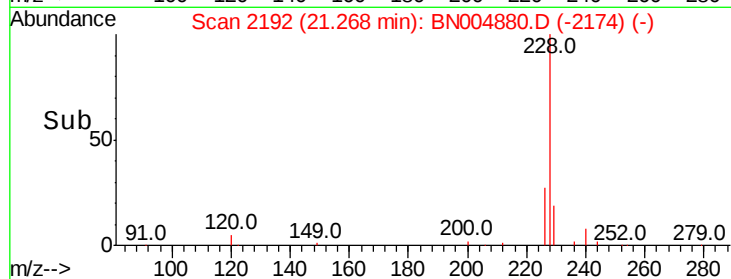
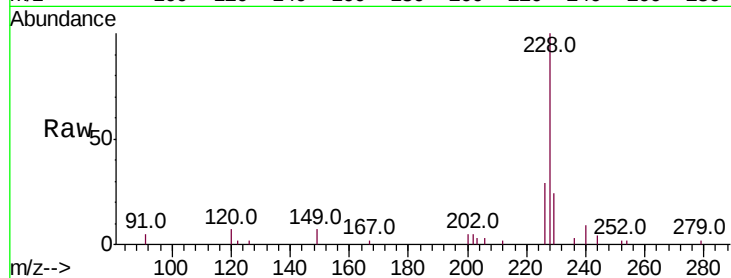
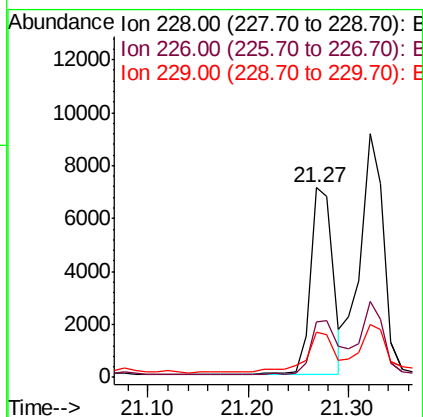
BNA_N

ClientSampleId :

PST-026-B122-031819

Tot Ion:228 Resp: 11060

Ion	Ratio	Lower	Upper
228	100		
226	29.1	20.6	31.0
229	23.5	16.2	24.4



#31

Chrysene

Concen: 0.209 ng

RT: 21.32 min Scan# 2197

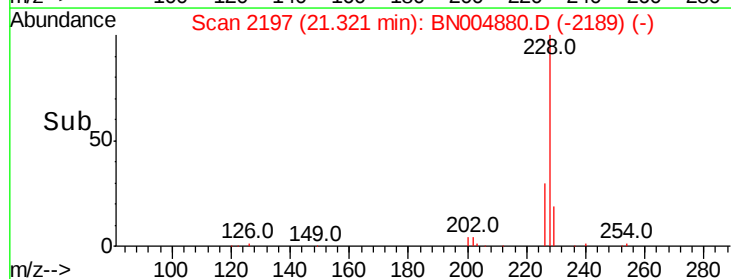
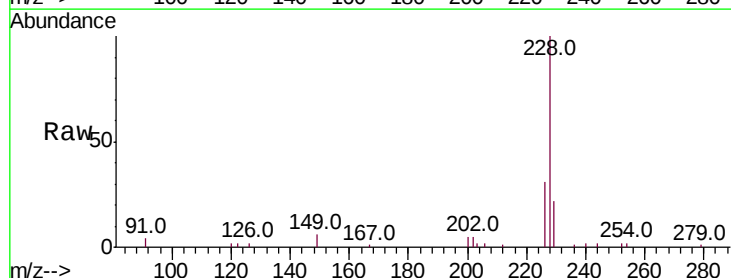
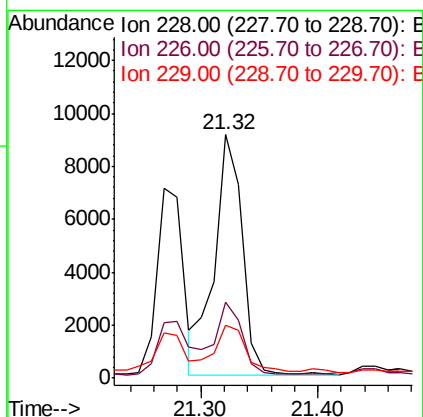
Delta R.T. -0.01 min

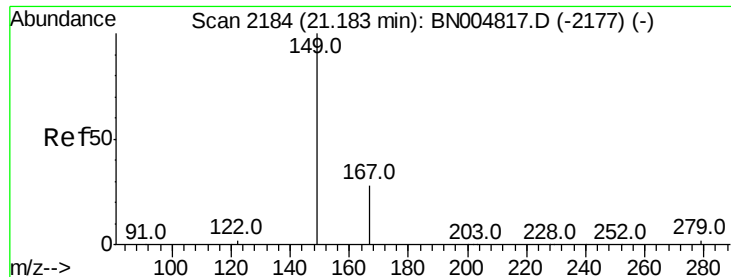
Lab File: BN004880.D

Acq: 22 Mar 2019 08:55

Tgt Ion:228 Resp: 14963

Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.0	34.6
229	21.9	16.2	24.2





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.158 ng

RT: 21.18 min Scan# 2184

Delta R.T. 0.00 min

Lab File: BN004880.D

Acq: 22 Mar 2019 08:55

Instrument :

BNA_N

ClientSampleId :

PST-026-B122-031819

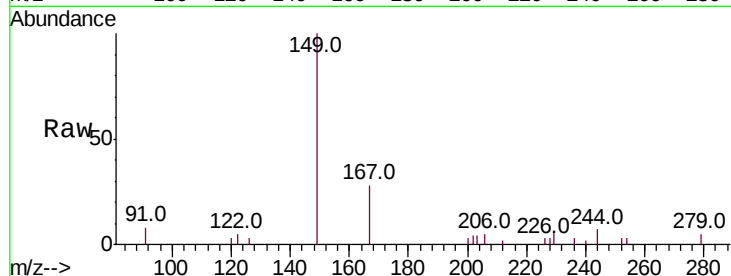
Tot Ion:149 Resp: 4289

Ion Ratio Lower Upper

149 100

167 28.3 23.0 34.4

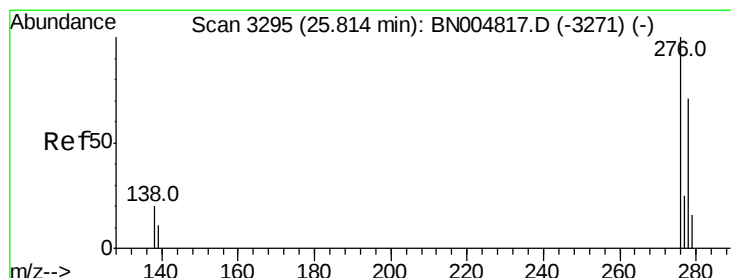
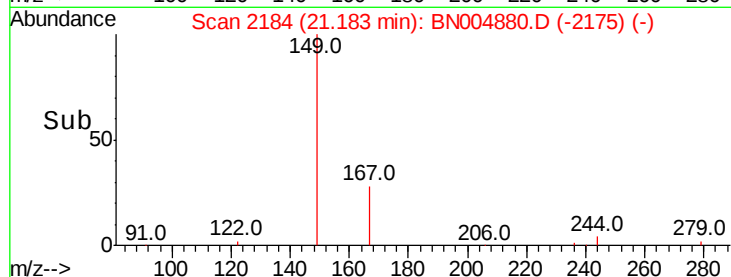
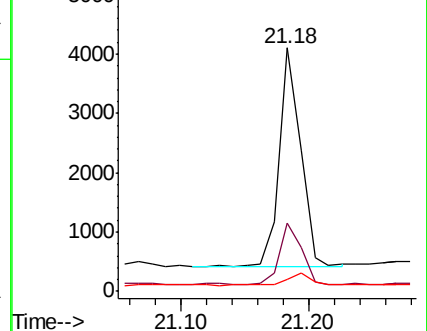
279 5.5 4.6 6.8



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: 0.077 ng

RT: 25.81 min Scan# 3295

Delta R.T. 0.00 min

Lab File: BN004880.D

Acq: 22 Mar 2019 08:55

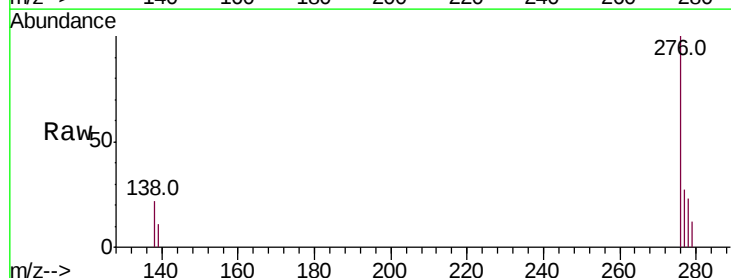
Tgt Ion:276 Resp: 7995

Ion Ratio Lower Upper

276 100

138 19.5 16.6 24.8

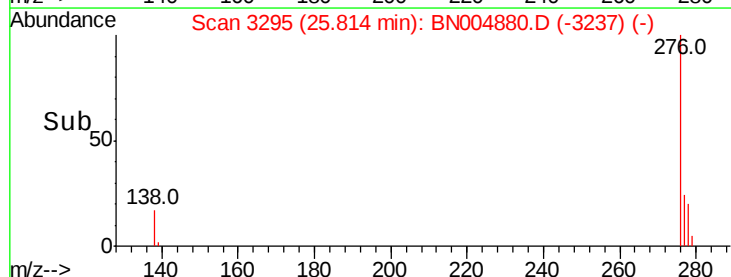
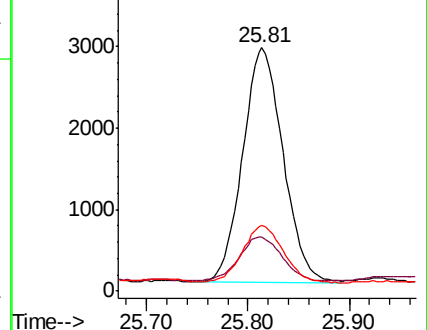
277 24.7 20.3 30.5

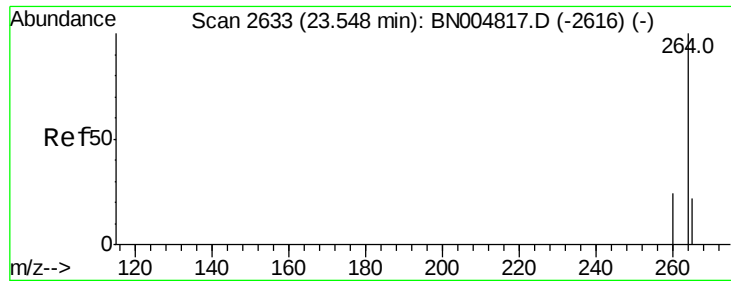


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



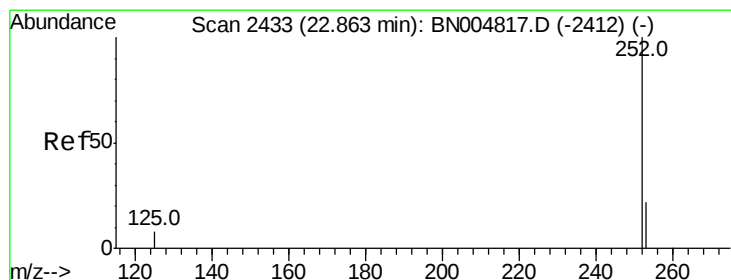
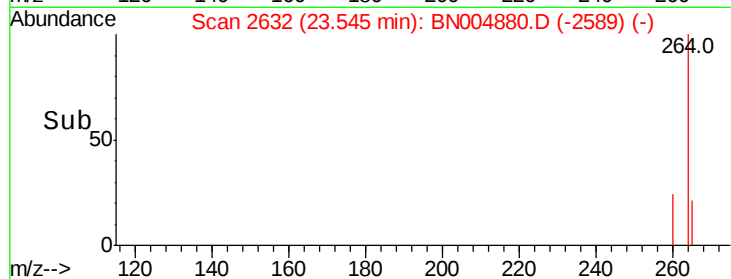
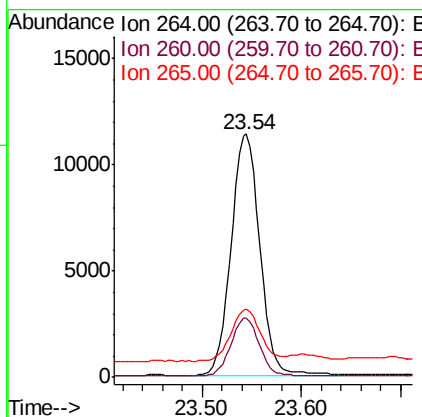
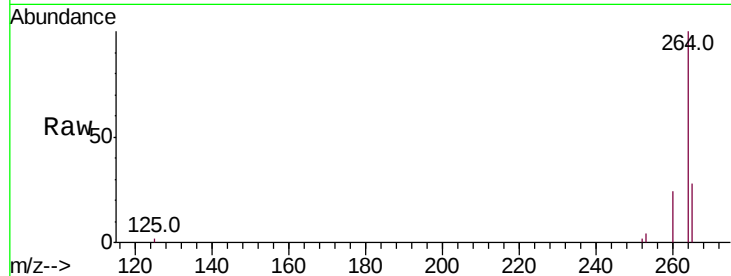


#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.54 min Scan# 2632
Delta R.T. -0.00 min
Lab File: BN004880.D
Acq: 22 Mar 2019 08:55

Instrument :
BNA_N
ClientSampleId :
PST-026-B122-031819

Tot Ion:264 Resp: 22675

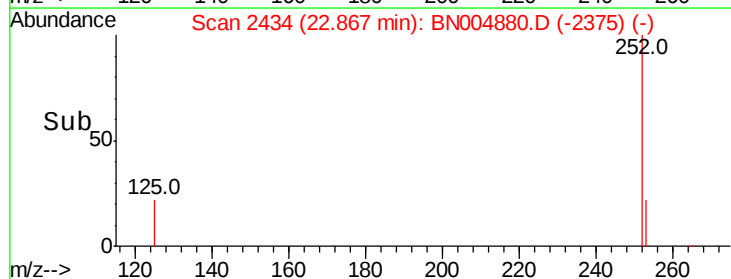
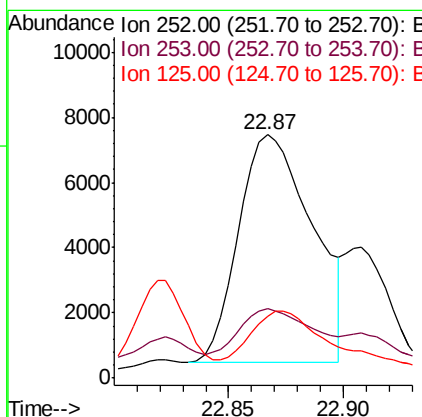
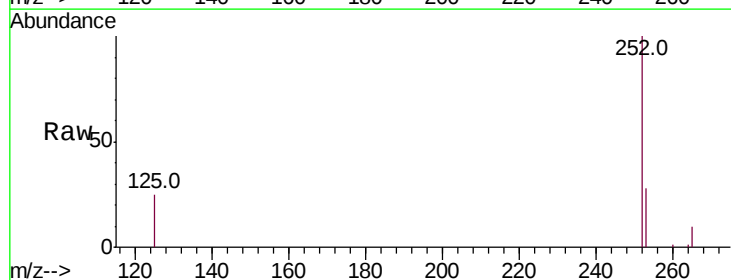
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	28.0	23.1	34.7

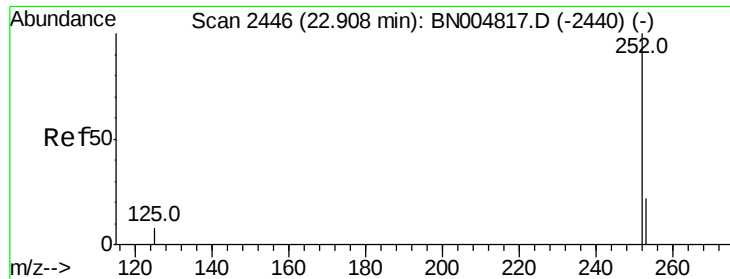


#35
Benzo(b)fluoranthene
Concen: 0.191 ng
RT: 22.87 min Scan# 2434
Delta R.T. 0.00 min
Lab File: BN004880.D
Acq: 22 Mar 2019 08:55

Tgt Ion:252 Resp: 15705

Ion	Ratio	Lower	Upper
252	100		
253	28.3	19.0	28.4
125	25.2	7.4	11.2#

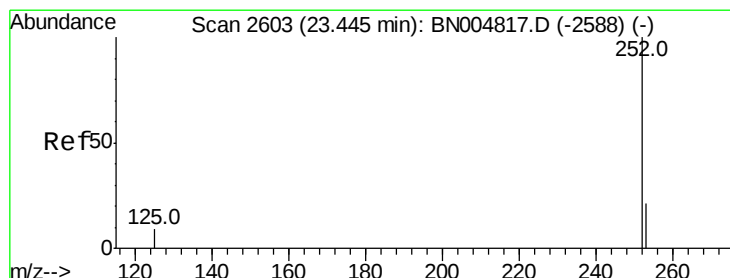
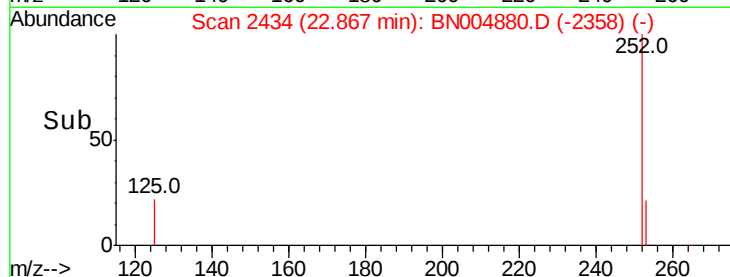
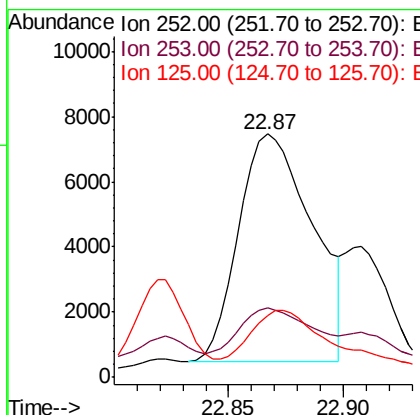
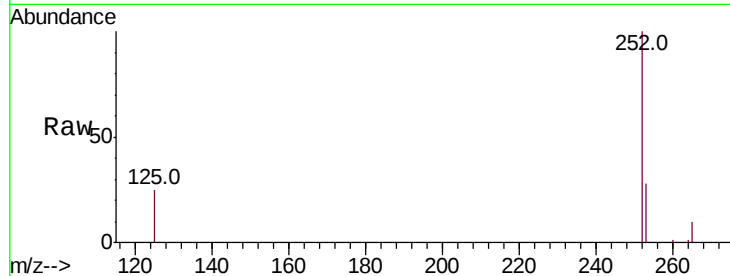




#36
Benzo(k)fluoranthene
Concen: 0.195 ng
RT: 22.87 min Scan# 2434
Delta R.T. -0.04 min
Lab File: BN004880.D
Acq: 22 Mar 2019 08:55

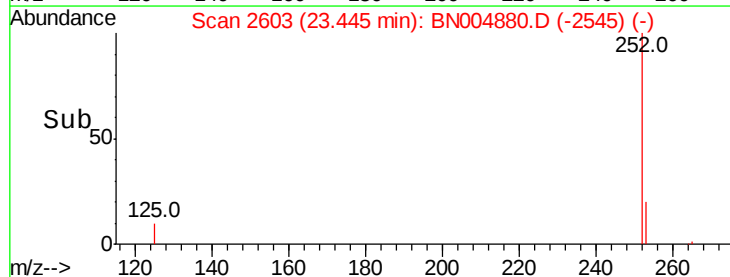
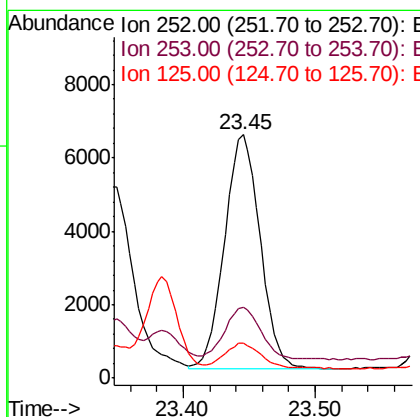
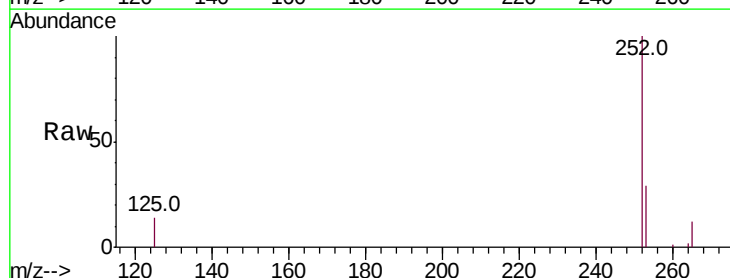
Instrument :
BNA_N
ClientSampleId :
PST-026-B122-031819

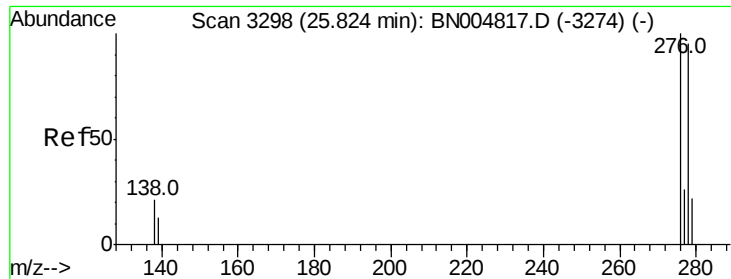
Tot Ion:252 Resp: 15705
Ion Ratio Lower Upper
252 100
253 28.3 19.3 28.9
125 25.2 7.4 11.0#



#37
Benzo(a)pyrene
Concen: 0.160 ng
RT: 23.45 min Scan# 2603
Delta R.T. 0.00 min
Lab File: BN004880.D
Acq: 22 Mar 2019 08:55

Tgt Ion:252 Resp: 12004
Ion Ratio Lower Upper
252 100
253 28.9 19.7 29.5
125 14.2 8.3 12.5#





#38

Dibenzo(a,h)anthracene

Concen: 0.025 ng

RT: 25.82 min Scan# 3296

Delta R.T. -0.01 min

Lab File: BN004880.D

Acq: 22 Mar 2019 08:55

Instrument :

BNA_N

ClientSampleId :

PST-026-B122-031819

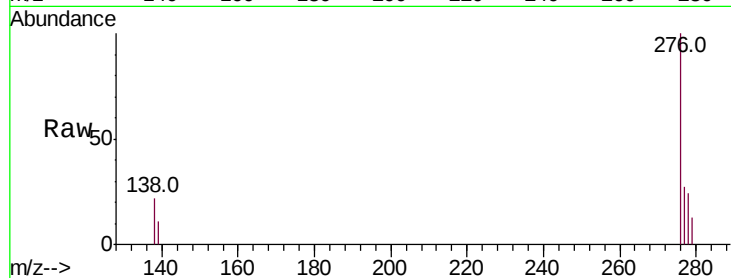
Tot Ion:278 Resp: 2146

Ion Ratio Lower Upper

278 100

139 44.1 11.7 17.5#

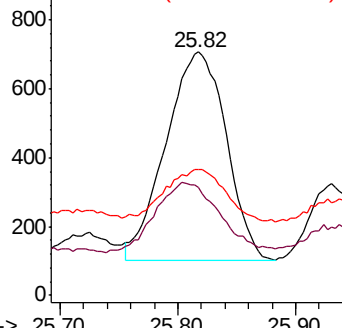
279 51.9 19.9 29.9#



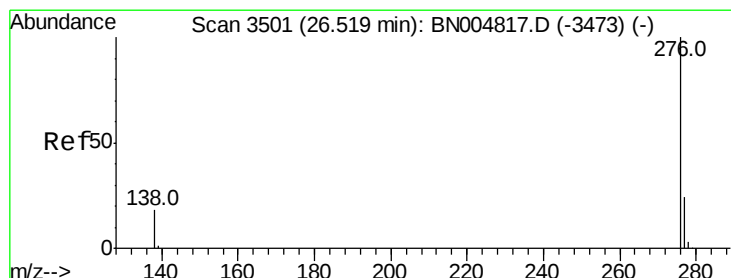
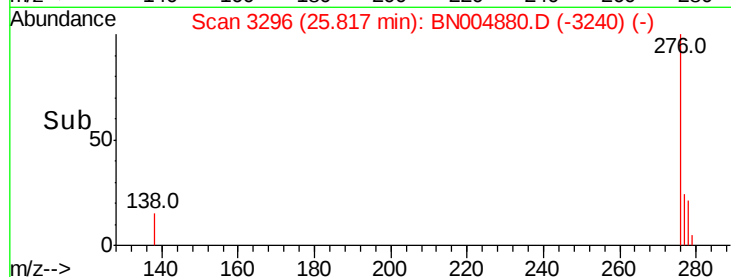
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time--> 25.70 25.80 25.90



#39

Benzo(g,h,i)perylene

Concen: 0.097 ng

RT: 26.52 min Scan# 3501

Delta R.T. 0.00 min

Lab File: BN004880.D

Acq: 22 Mar 2019 08:55

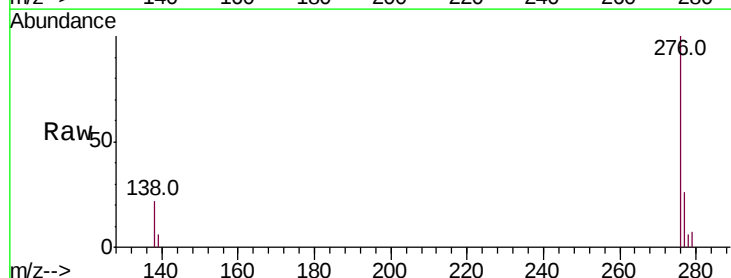
Tgt Ion:276 Resp: 8648

Ion Ratio Lower Upper

276 100

277 26.5 19.7 29.5

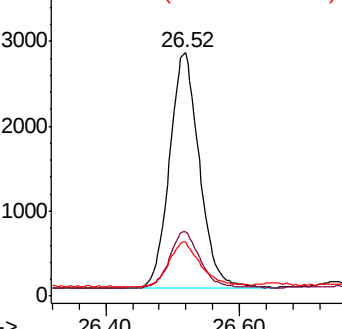
138 22.1 14.6 22.0#



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



Time--> 26.40 26.60

