

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
 Data File : BN004895.D
 Acq On : 22 Mar 2019 21:58
 Operator : JU/SJ
 Sample : K2013-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B021-031819

Quant Time: Mar 23 02:49:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 20 16:06:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	2975	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	12591	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	7416	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	18206	0.40	ng	-0.01
27) Chrysene-d12	21.29	240	23269	0.40	ng	0.00
34) Perylene-d12	23.53	264	25016	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.28	112	3117	0.39	ng	0.00
5) Phenol-d6	6.86	99	4225	0.42	ng	-0.02
8) Nitrobenzene-d5	8.86	82	2848	0.34	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	6667	0.30	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	2373	0.46	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	10639	0.35	ng	-0.01
25) Fluoranthene-d10	19.12	212	17284	0.28	ng	-0.01
29) Terphenyl-d14	19.72	244	18907	0.40	ng	-0.01

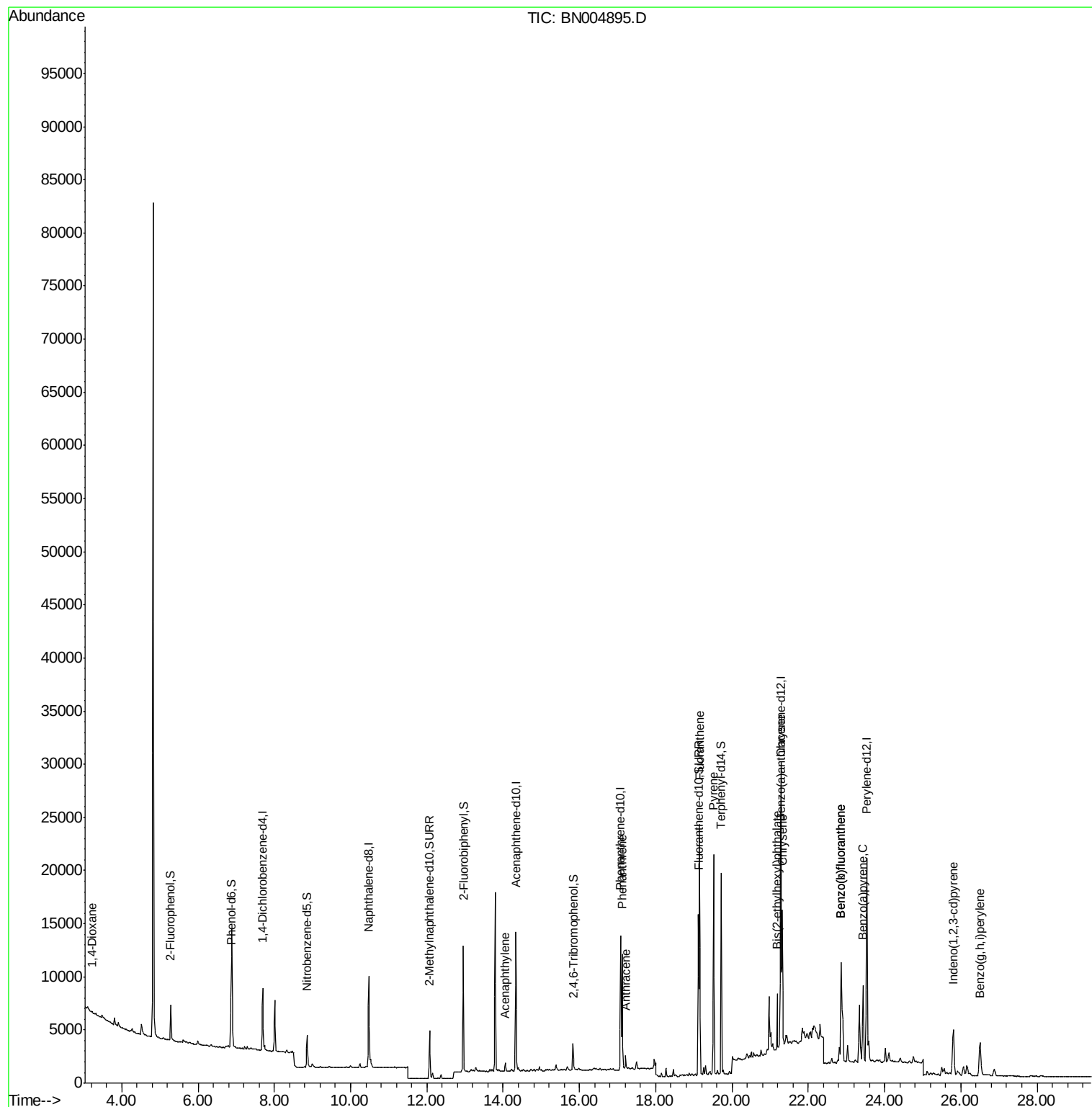
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.23	88	81	0.024	ng	# 56
16) Acenaphthylene	14.05	152	908	0.024	ng	97
23) Phenanthrene	17.12	178	11524	0.196	ng	99
24) Anthracene	17.22	178	1602	0.031	ng	# 94
26) Fluoranthene	19.15	202	20475	0.271	ng	98
28) Pyrene	19.52	202	19187	0.270	ng	97
30) Benzo(a)anthracene	21.27	228	10572	0.139	ng	95
31) Chrysene	21.32	228	11520	0.143	ng	96
32) Bis(2-ethylhexyl)phthalate	21.18	149	4398	0.144	ng	97
33) Indeno(1,2,3-cd)pyrene	25.80	276	7096	0.061	ng	98
35) Benzo(b)fluoranthene	22.86	252	15173	0.168	ng	# 85
36) Benzo(k)fluoranthene	22.86	252	15173	0.170	ng	# 85
37) Benzo(a)pyrene	23.43	252	10112	0.122	ng	# 88
39) Benzo(g,h,i)perylene	26.51	276	6868	0.070	ng	# 92

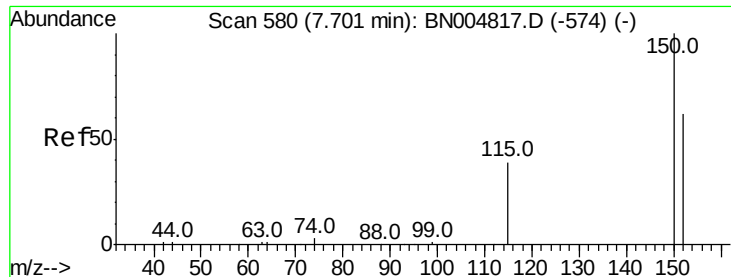
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.69 min Scan# 579

Delta R.T. -0.01 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

Instrument :

BNA_N

ClientSampleId :

PST-026-B021-031819

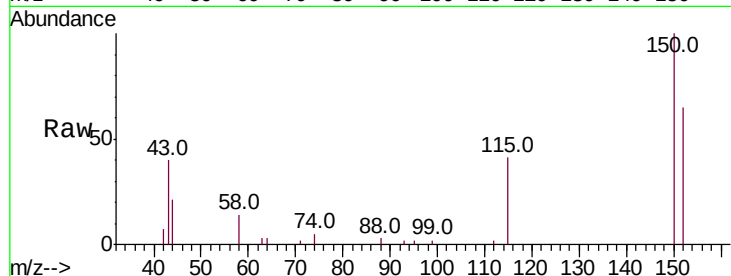
Tot Ion:152 Resp: 2975

Ion Ratio Lower Upper

152 100

150 153.9 126.2 189.4

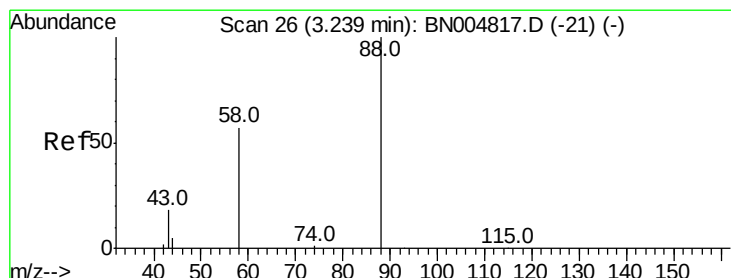
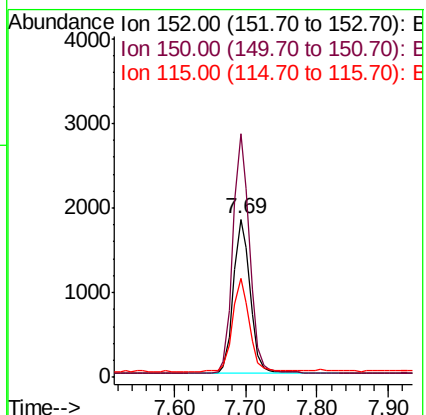
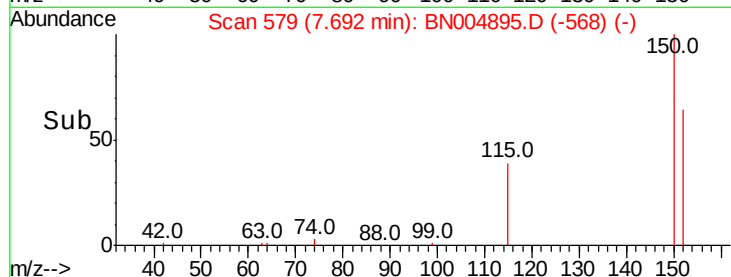
115 62.5 52.6 79.0



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



#2

1,4-Dioxane

Concen: 0.024 ng

RT: 3.23 min Scan# 25

Delta R.T. -0.01 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

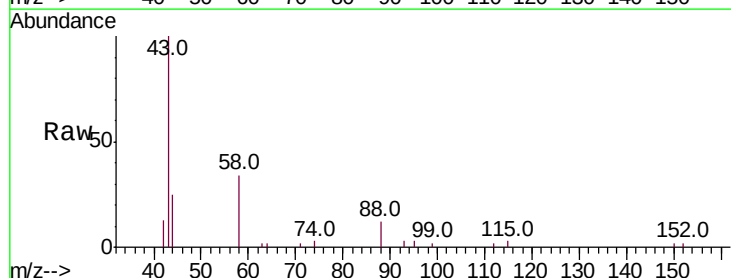
Tgt Ion: 88 Resp: 81

Ion Ratio Lower Upper

88 100

58 32.1 51.4 77.2#

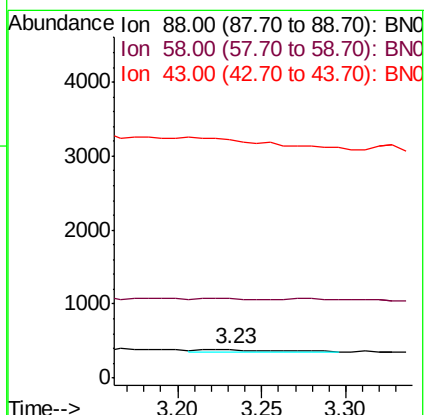
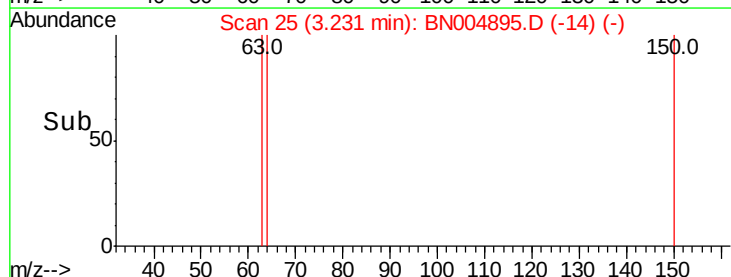
43 0.0 20.0 30.0#

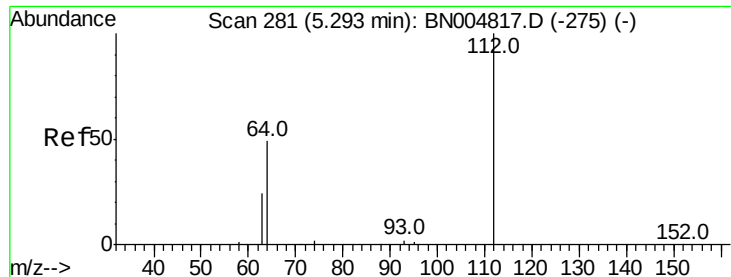


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#4

2-Fluorophenol

Concen: 0.385 ng

RT: 5.28 min Scan# 280

Delta R.T. -0.01 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

Instrument :

BNA_N

ClientSampleId :

PST-026-B021-031819

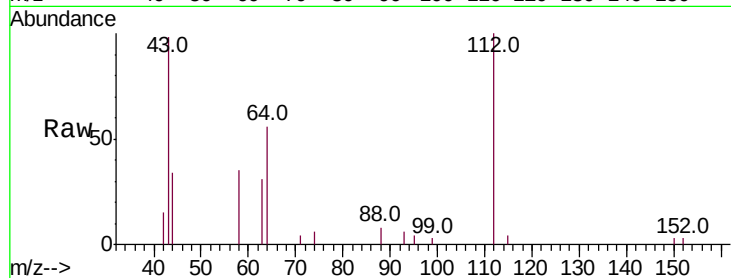
Tot Ion:112 Resp: 3117

Ion Ratio Lower Upper

112 100

64 51.2 40.0 60.0

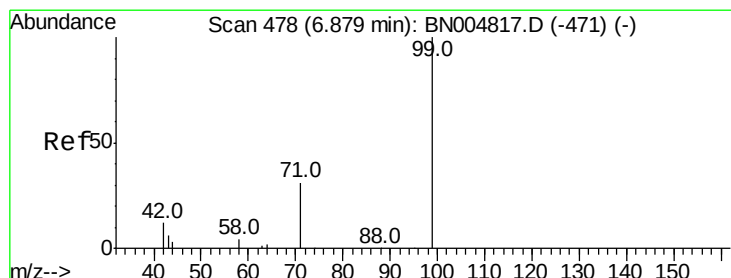
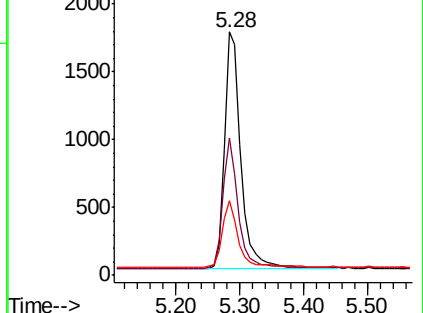
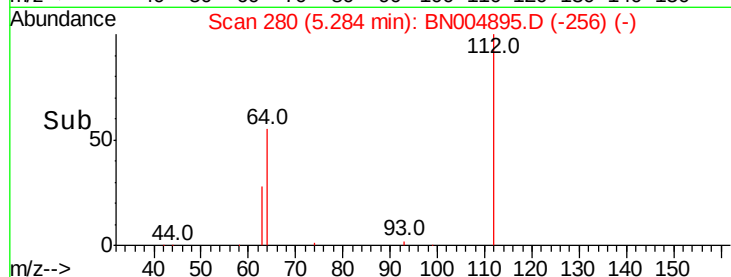
63 26.6 20.2 30.2



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: 0.420 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

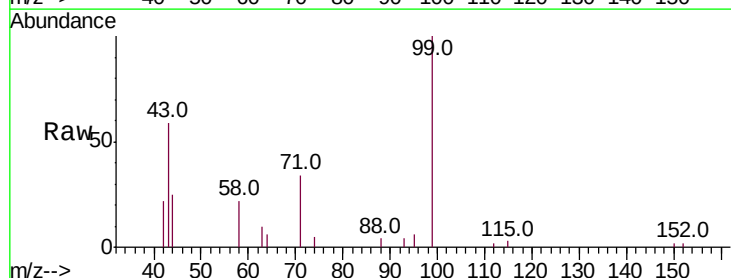
Tgt Ion: 99 Resp: 4225

Ion Ratio Lower Upper

99 100

42 0.0 12.7 19.1#

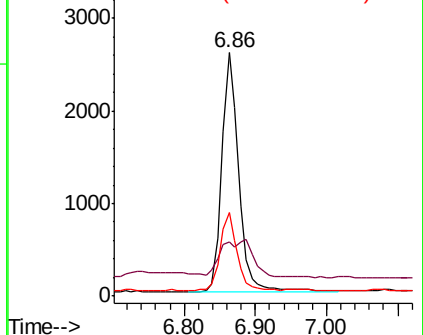
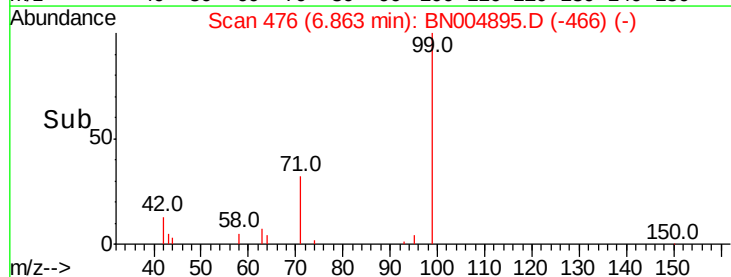
71 31.6 26.6 40.0

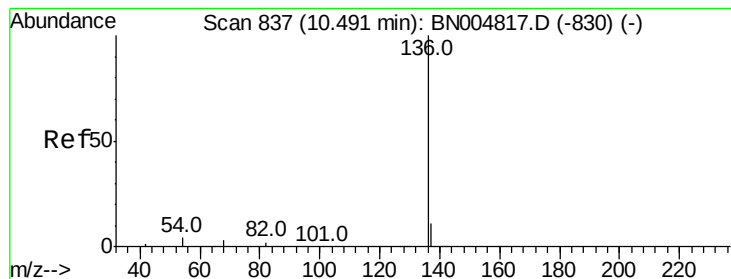


Abundance Ion 99.00 (98.70 to 99.70): BNC

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: 10.48 min Scan# 836

Delta R.T. -0.01 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

Instrument :

BNA_N

ClientSampleId :

PST-026-B021-031819

Tot Ion:136 Resp: 12591

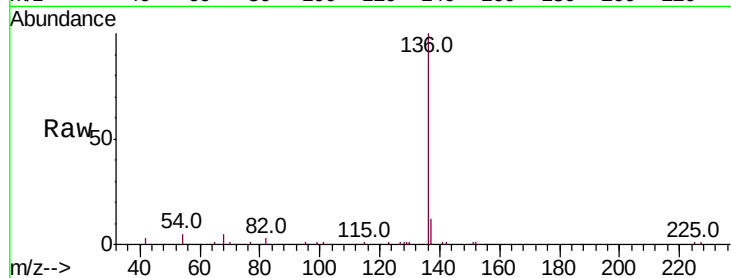
Ion Ratio Lower Upper

136 100

137 11.6 9.6 14.4

54 5.5 4.2 6.2

68 4.7 3.9 5.9

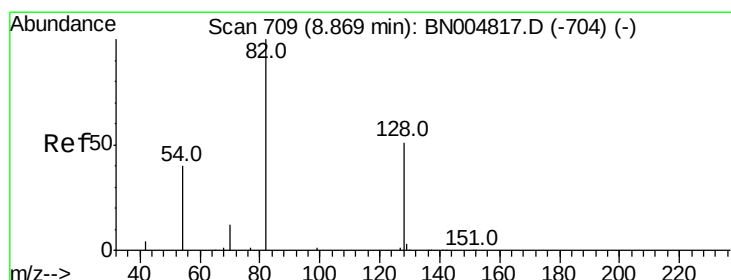
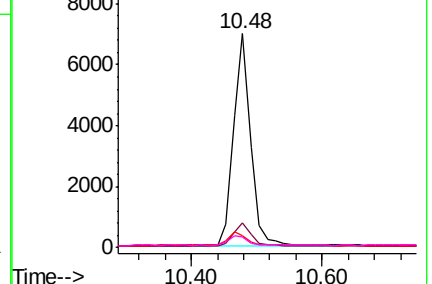
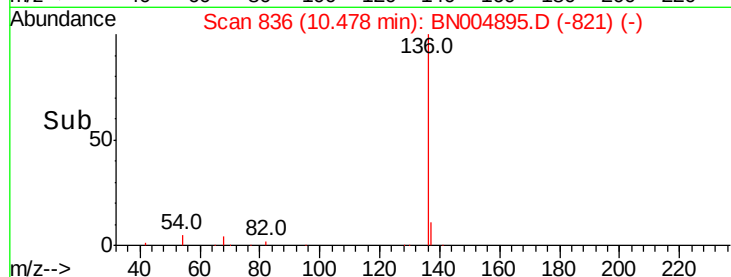


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.342 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

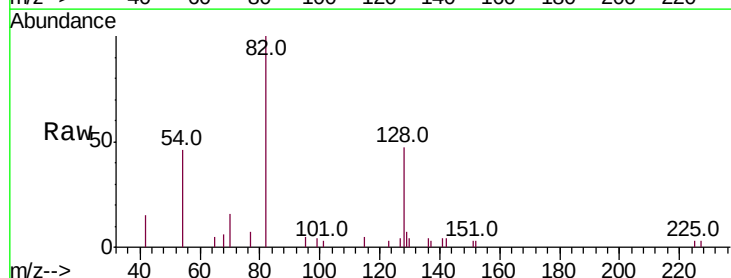
Tgt Ion: 82 Resp: 2848

Ion Ratio Lower Upper

82 100

128 47.1 43.0 64.6

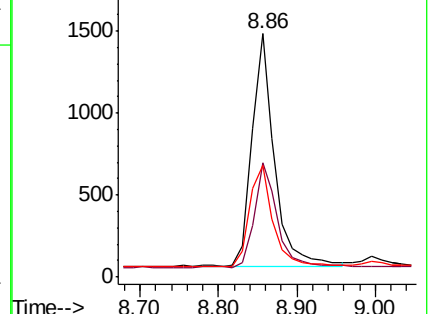
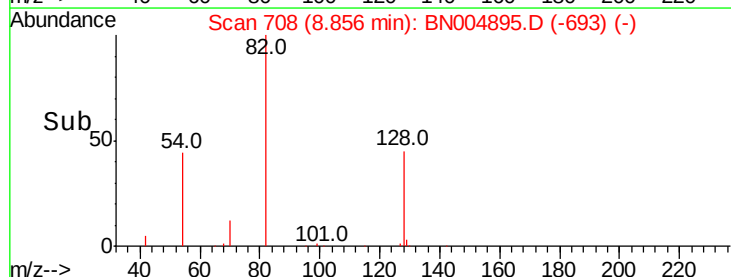
54 45.9 35.3 52.9

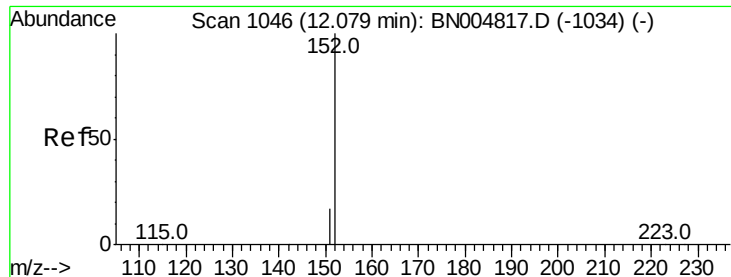


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

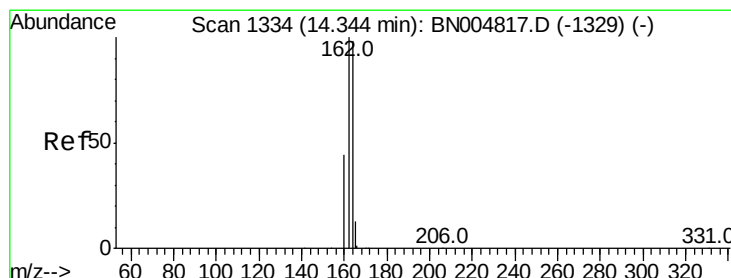
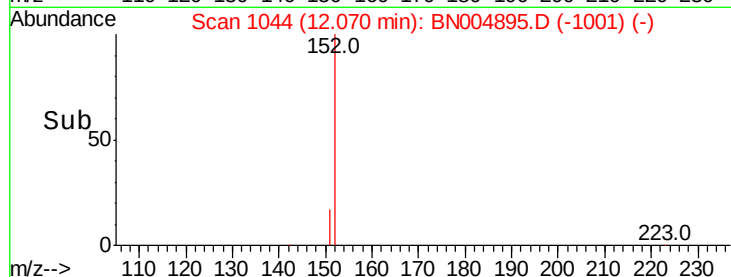
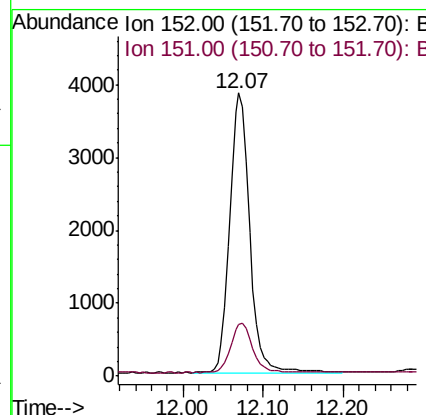
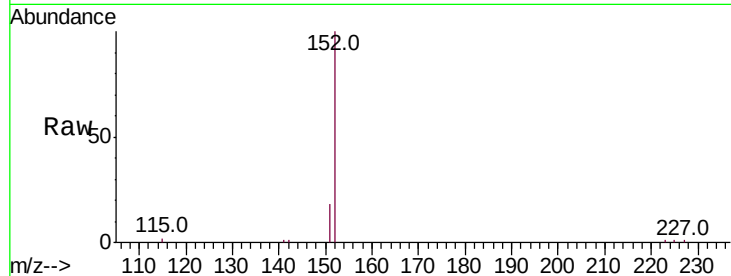




#11
 2-Methylnaphthalene-d10
 Concen: 0.303 ng
 RT: 12.07 min Scan# 1044
 Delta R.T. -0.01 min
 Lab File: BN004895.D
 Acq: 22 Mar 2019 21:58

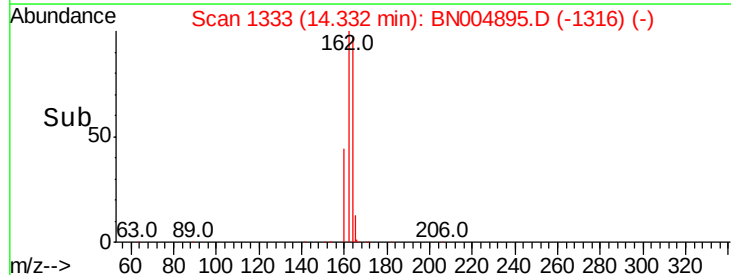
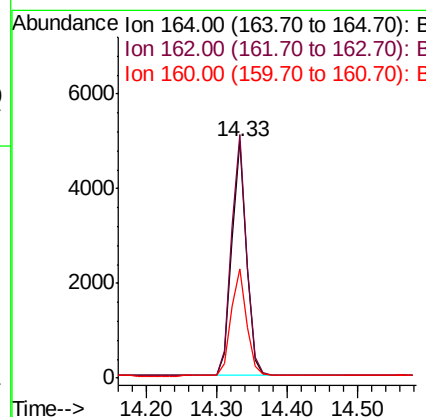
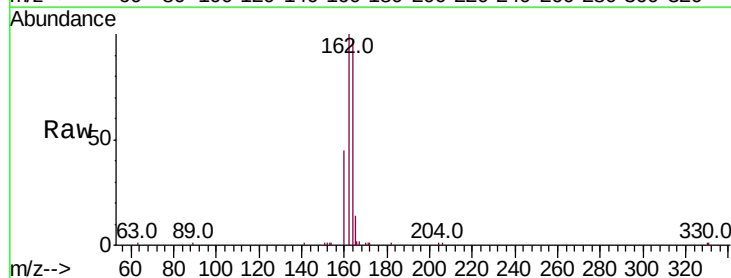
Instrument :
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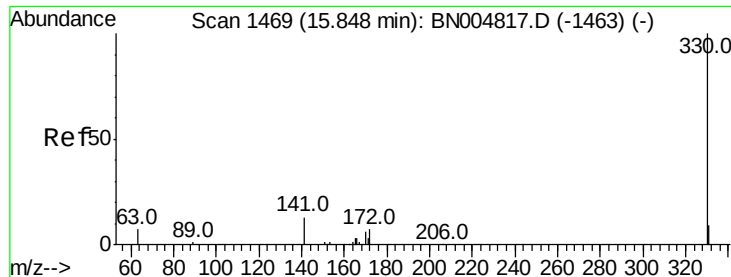
Tot Ion:152 Resp: 6667
 Ion Ratio Lower Upper
 152 100
 151 19.3 15.5 23.3



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.33 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BN004895.D
 Acq: 22 Mar 2019 21:58

Tgt Ion:164 Resp: 7416
 Ion Ratio Lower Upper
 164 100
 162 102.7 81.9 122.9
 160 46.0 36.6 54.8

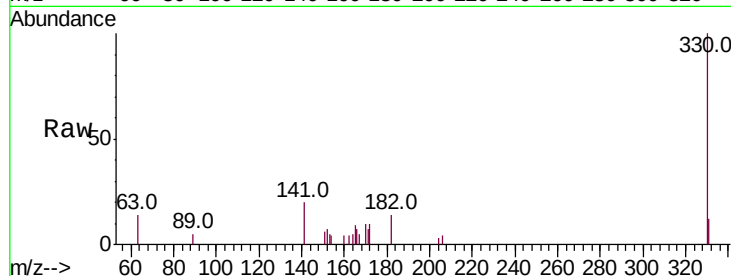




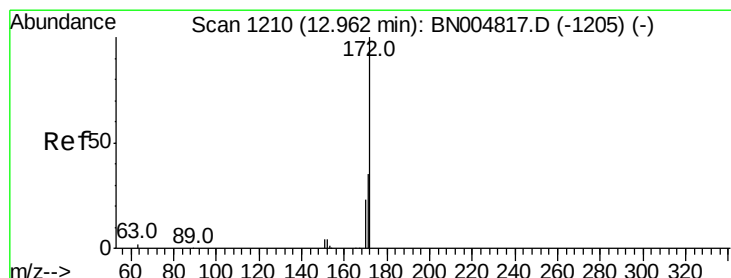
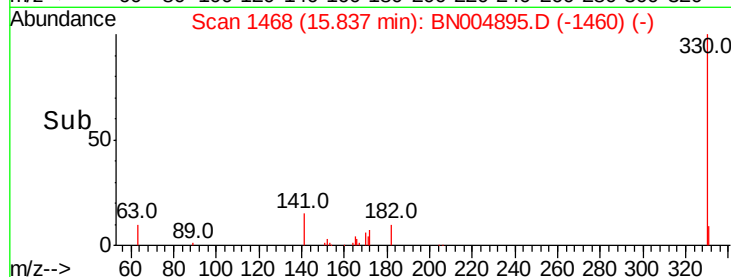
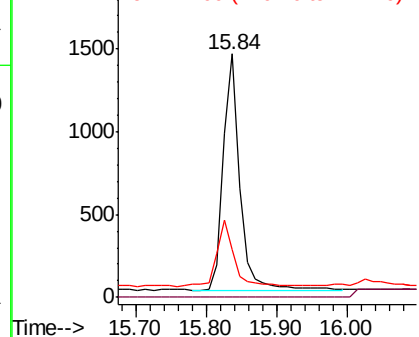
#14
2,4,6-Tribromophenol
Concen: 0.463 ng
RT: 15.84 min Scan# 1468
Delta R.T. -0.01 min
Lab File: BN004895.D
Acq: 22 Mar 2019 21:58

Instrument :
BNA_N
ClientSampleId :
PST-026-B021-031819

Tot Ion:330 Resp: 2373
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 28.7 20.9 31.3

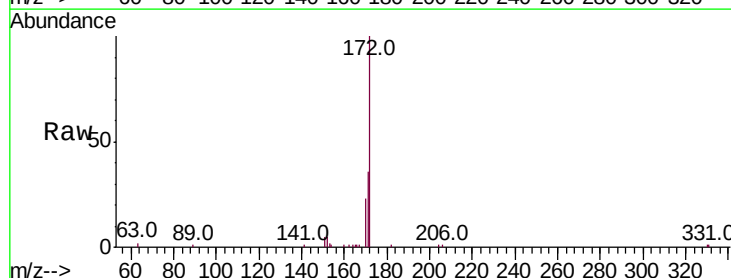


Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

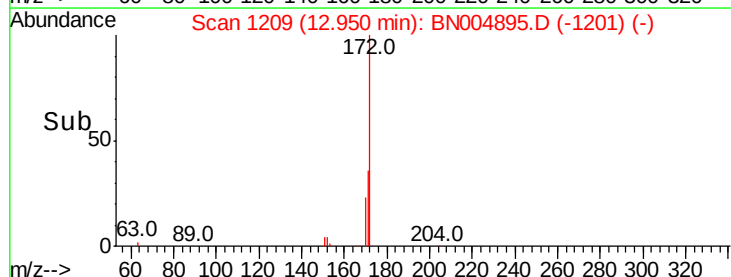
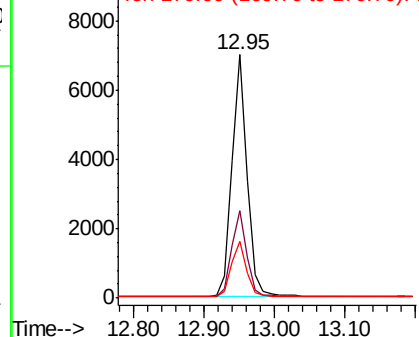


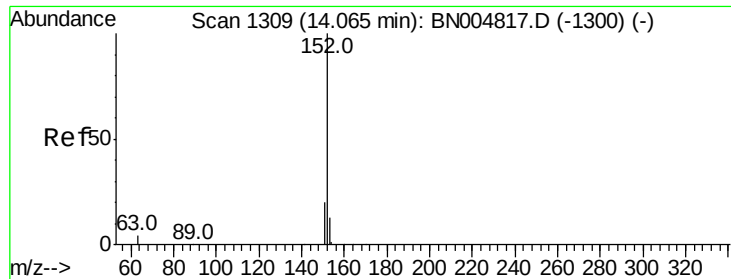
#15
2-Fluorobiphenyl
Concen: 0.347 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004895.D
Acq: 22 Mar 2019 21:58

Tgt Ion:172 Resp: 10639
Ion Ratio Lower Upper
172 100
171 36.0 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: 0.024 ng

RT: 14.05 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

Instrument :

BNA_N

ClientSampleId :

PST-026-B021-031819

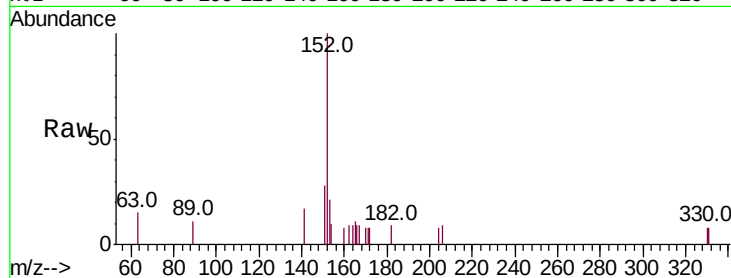
Tot Ion:152 Resp: 908

Ion Ratio Lower Upper

152 100

151 22.1 16.1 24.1

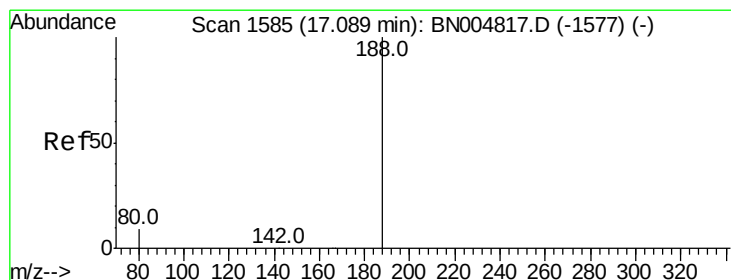
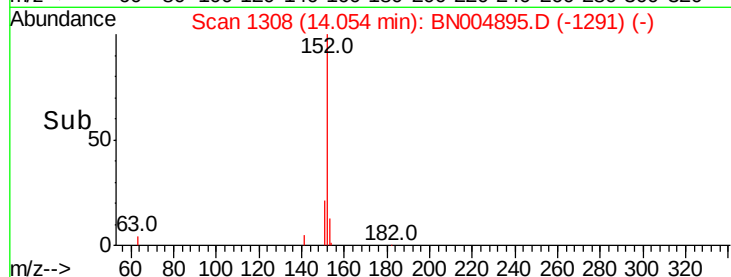
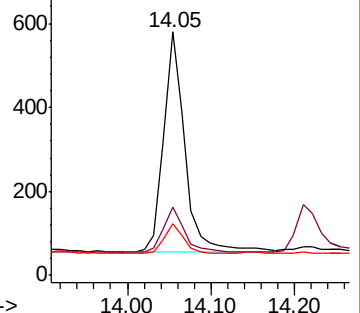
153 13.0 10.5 15.7



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: 17.08 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

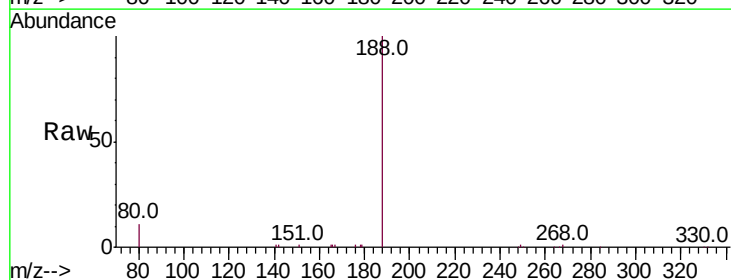
Tgt Ion:188 Resp: 18206

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

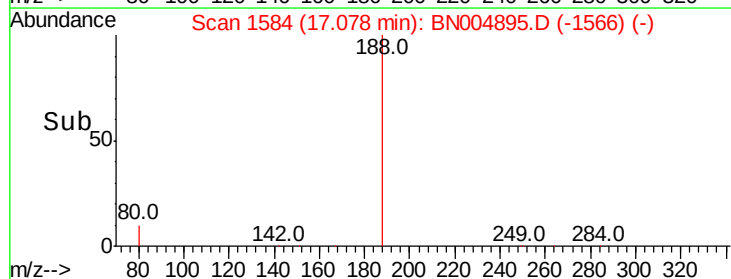
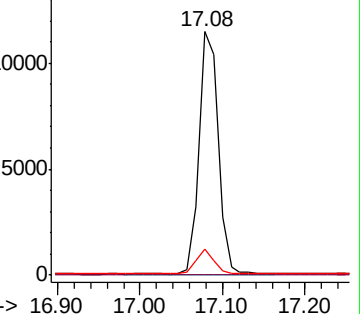
80 10.7 7.4 11.2

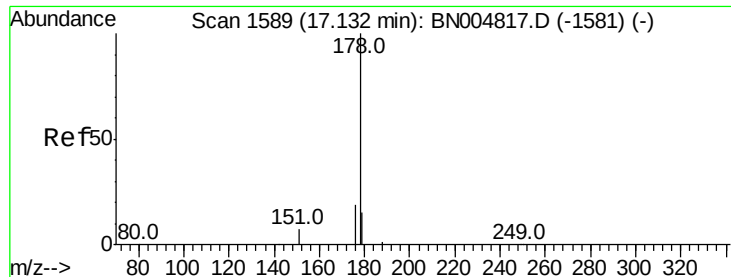


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#23

Phenanthrene

Concen: 0.196 ng

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

Instrument :

BNA_N

ClientSampleId :

PST-026-B021-031819

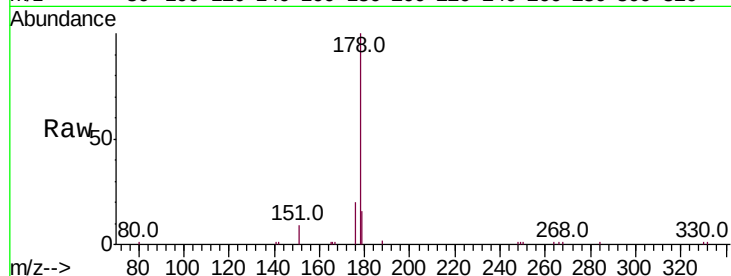
Tot Ion:178 Resp: 11524

Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

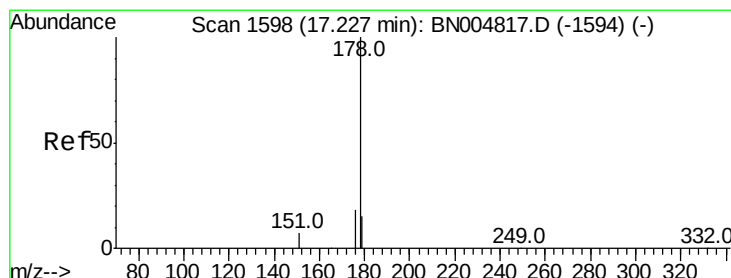
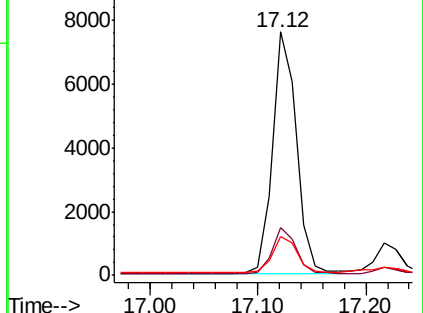
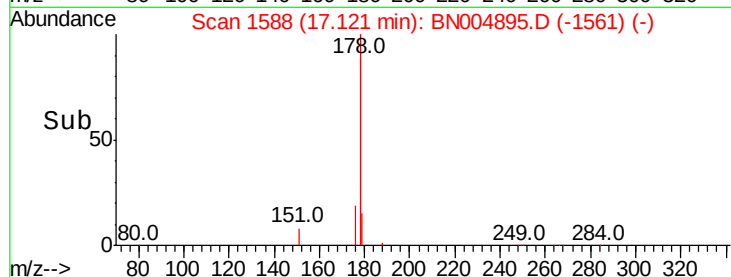
179 15.6 12.1 18.1



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: 0.031 ng

RT: 17.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

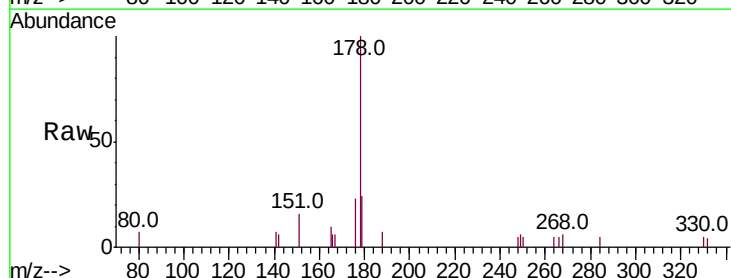
Tgt Ion:178 Resp: 1602

Ion Ratio Lower Upper

178 100

176 17.0 14.5 21.7

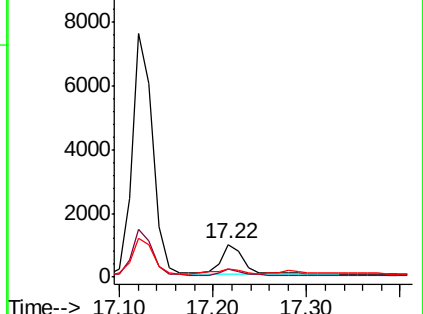
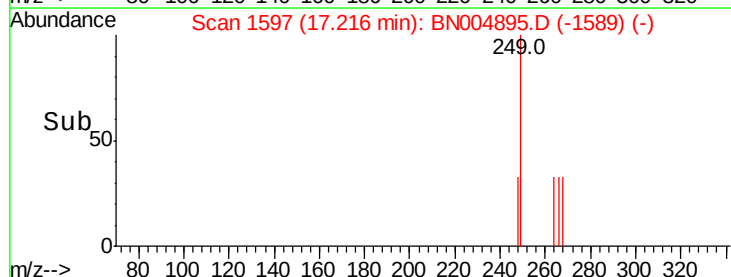
179 19.7 12.2 18.4#

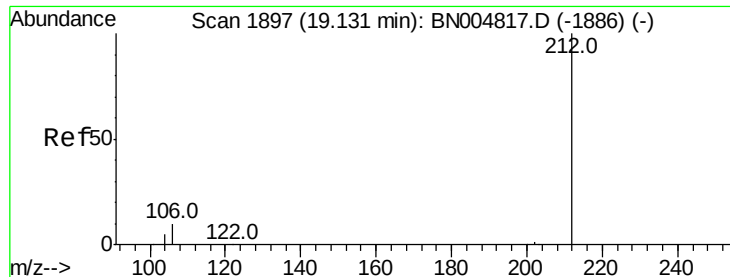


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.284 ng

RT: 19.12 min Scan# 1895

Delta R.T. -0.01 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

Instrument :

BNA_N

ClientSampleId :

PST-026-B021-031819

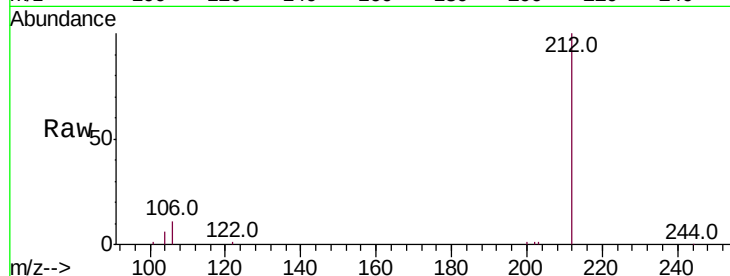
Tot Ion:212 Resp: 17284

Ion Ratio Lower Upper

212 100

106 11.8 8.6 13.0

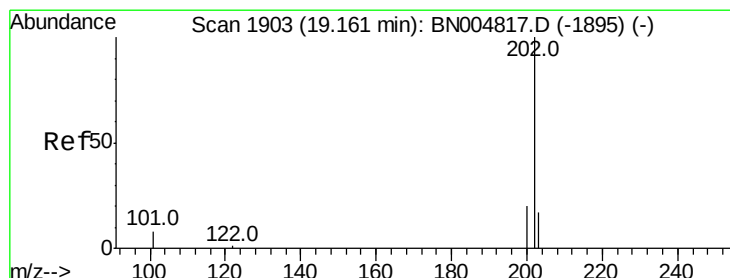
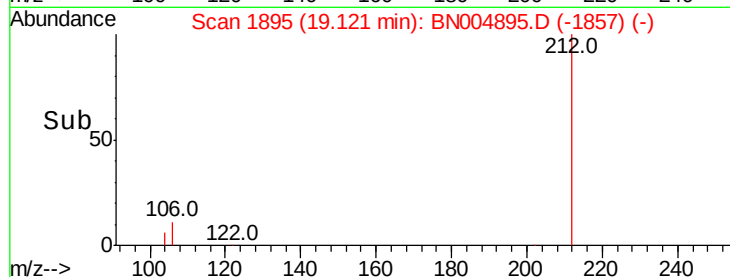
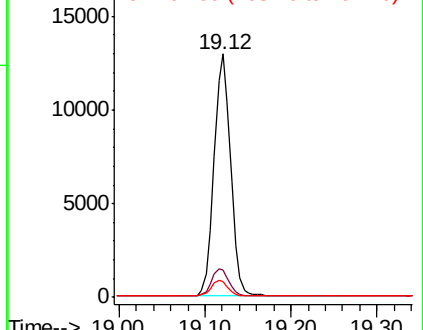
104 6.6 4.7 7.1



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: 0.271 ng

RT: 19.15 min Scan# 1901

Delta R.T. -0.01 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

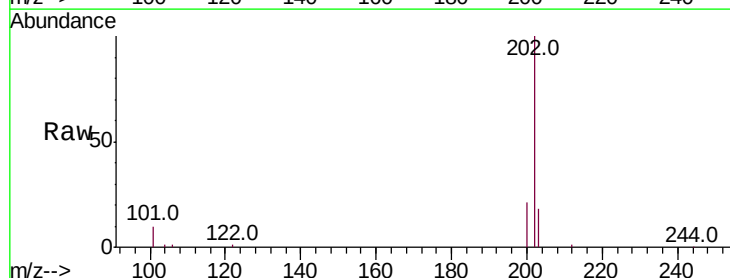
Tgt Ion:202 Resp: 20475

Ion Ratio Lower Upper

202 100

101 10.5 7.5 11.3

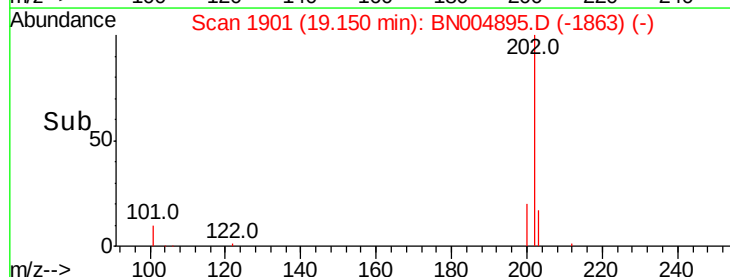
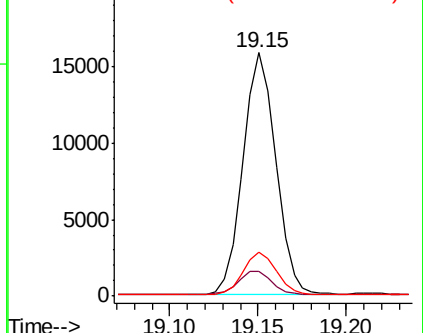
203 17.5 13.8 20.6

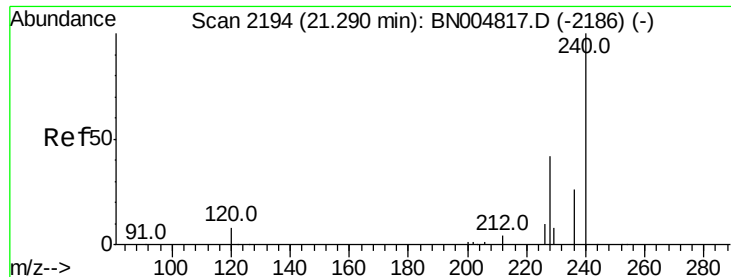


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

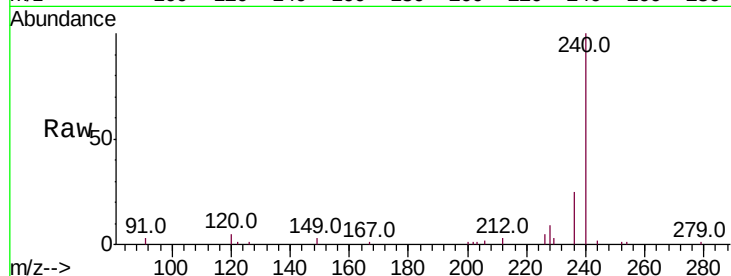




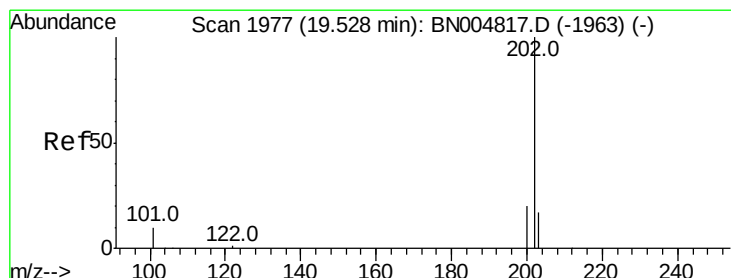
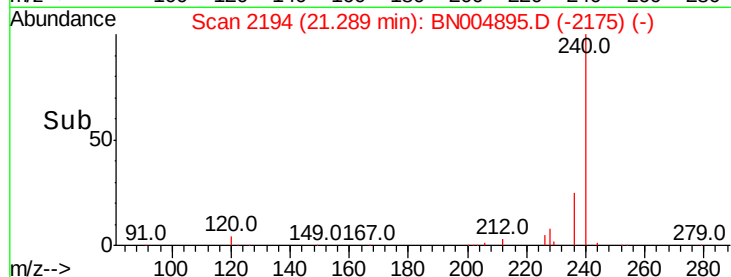
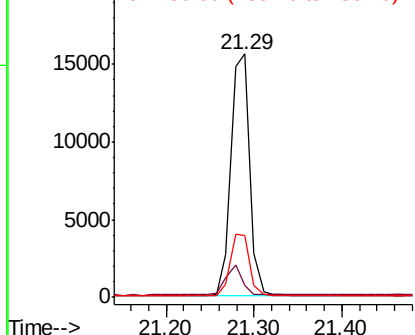
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.29 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BN004895.D
Acq: 22 Mar 2019 21:58

Instrument :
BNA_N
ClientSampleId :
PST-026-B021-031819

Tot Ion:240 Resp: 23269
Ion Ratio Lower Upper
240 100
120 5.1 7.2 10.8#
236 25.2 20.9 31.3

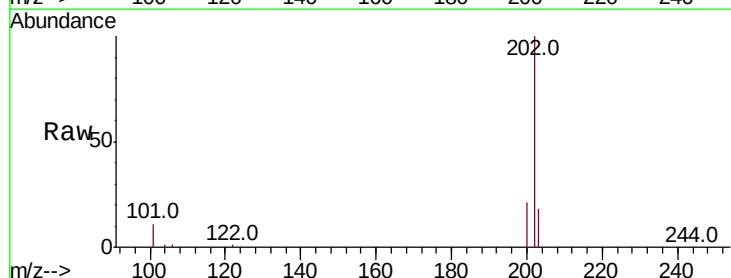


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

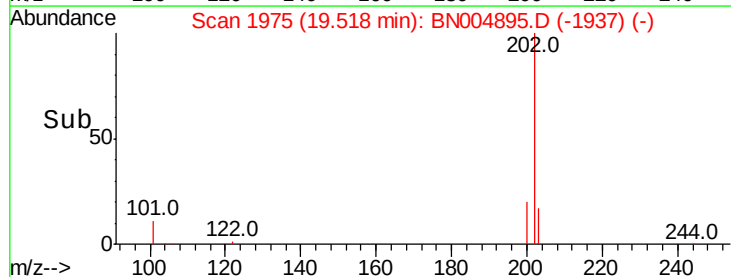
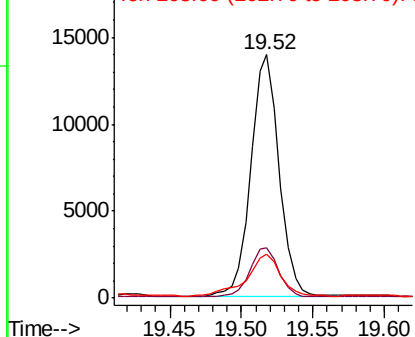


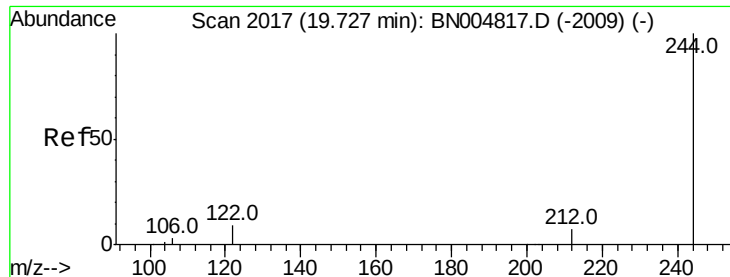
#28
Pyrene
Concen: 0.270 ng
RT: 19.52 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BN004895.D
Acq: 22 Mar 2019 21:58

Tgt Ion:202 Resp: 19187
Ion Ratio Lower Upper
202 100
200 20.7 16.3 24.5
203 20.4 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: 0.397 ng

RT: 19.72 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

Instrument :

BNA_N

ClientSampleId :

PST-026-B021-031819

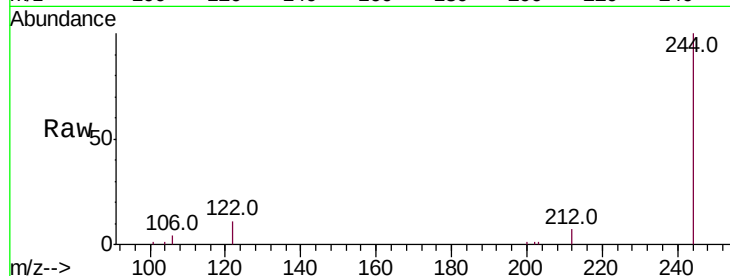
Tot Ion:244 Resp: 18907

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

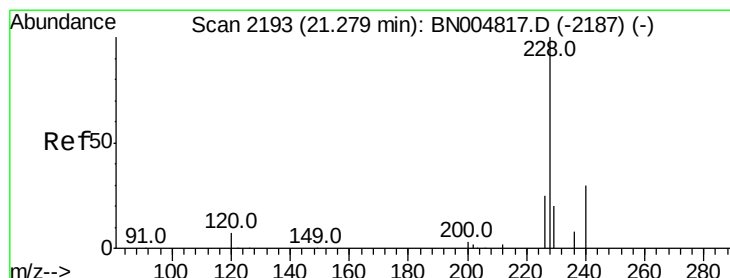
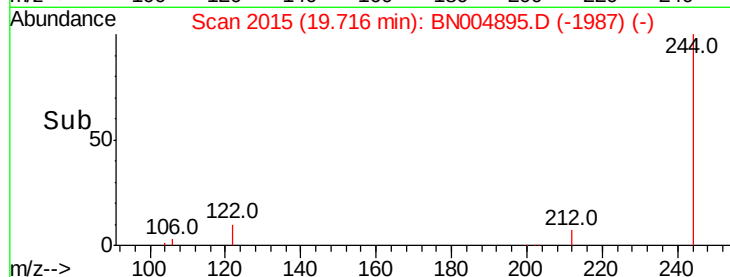
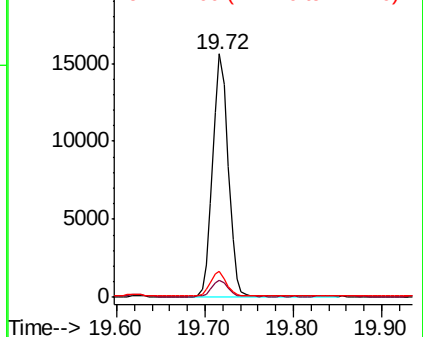
122 10.6 7.9 11.9



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: 0.139 ng

RT: 21.27 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

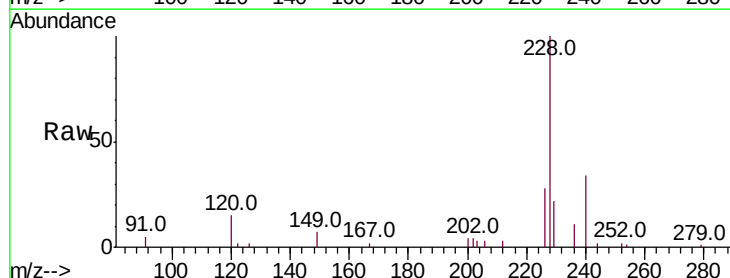
Tgt Ion:228 Resp: 10572

Ion Ratio Lower Upper

228 100

226 28.5 20.6 31.0

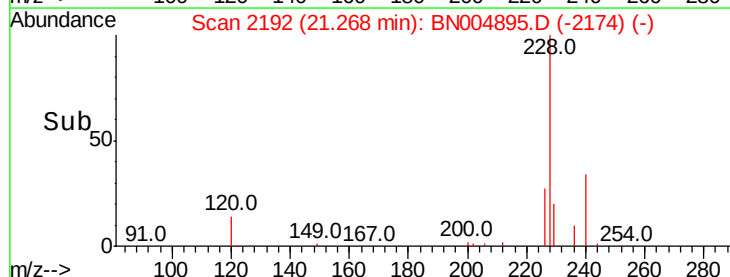
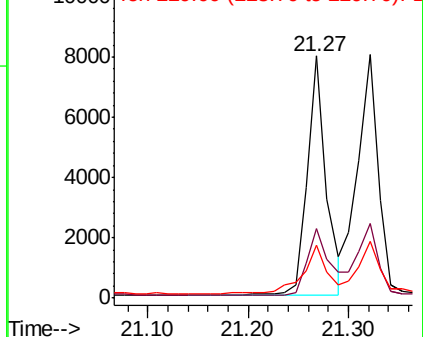
229 21.9 16.2 24.4

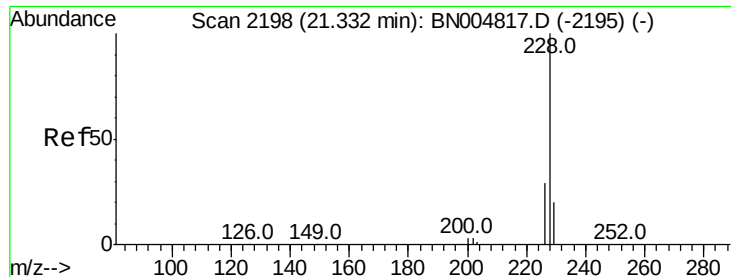


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.143 ng

RT: 21.32 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

Instrument :

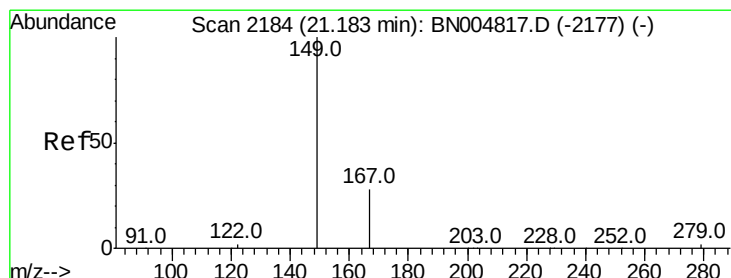
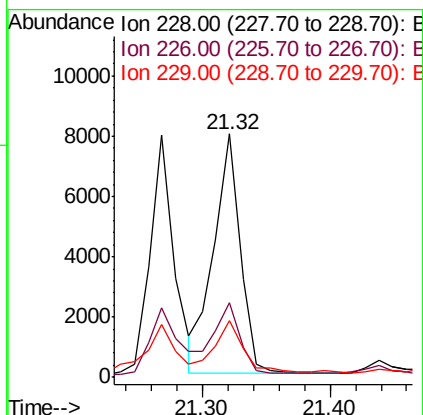
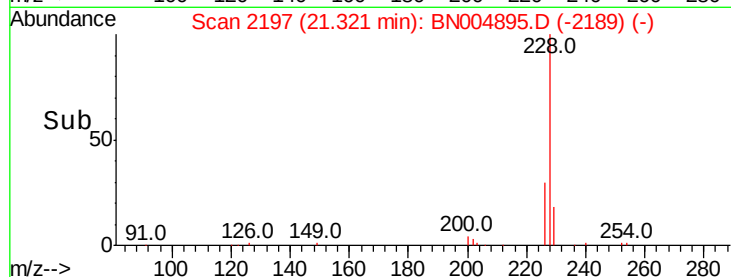
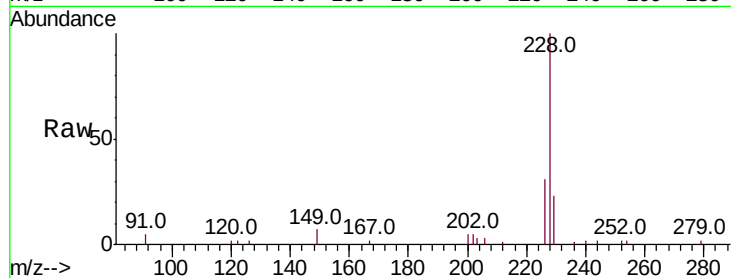
BNA_N

ClientSampleId :

PST-026-B021-031819

Tot Ion:228 Resp: 11520

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.0	34.6
229	23.1	16.2	24.2



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.144 ng

RT: 21.18 min Scan# 2184

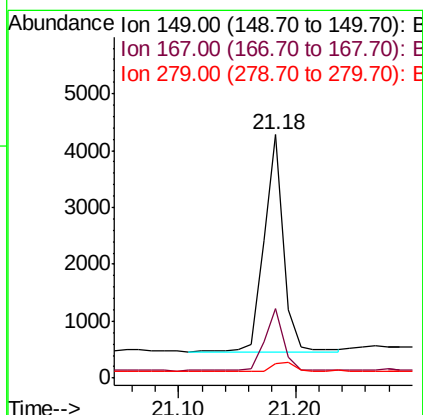
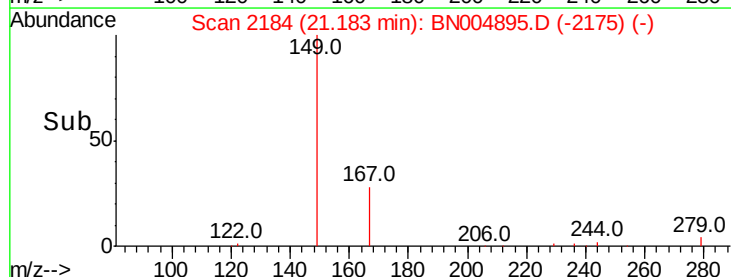
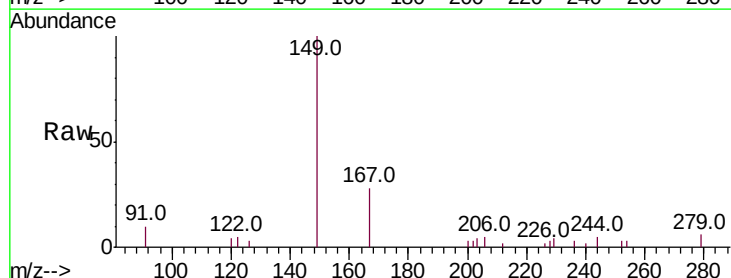
Delta R.T. -0.00 min

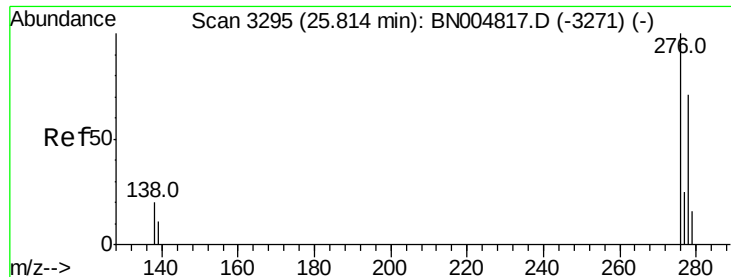
Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

Tgt Ion:149 Resp: 4398

Ion	Ratio	Lower	Upper
149	100		
167	26.7	23.0	34.4
279	5.1	4.6	6.8





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.061 ng

RT: 25.80 min Scan# 3291

Delta R.T. -0.01 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

Instrument :

BNA_N

ClientSampleId :

PST-026-B021-031819

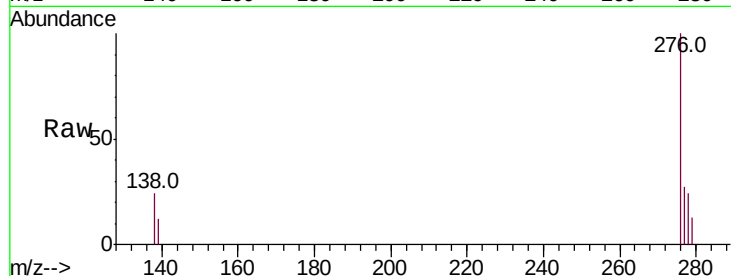
Tot Ion:276 Resp: 7096

Ion Ratio Lower Upper

276 100

138 20.1 16.6 24.8

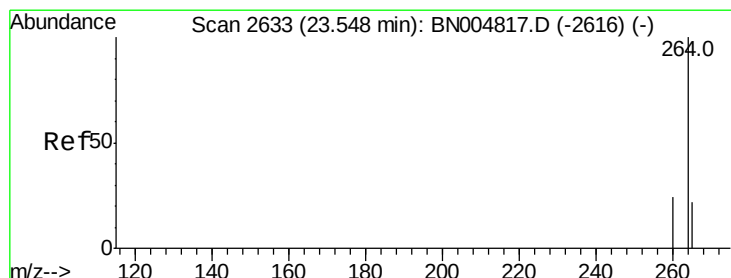
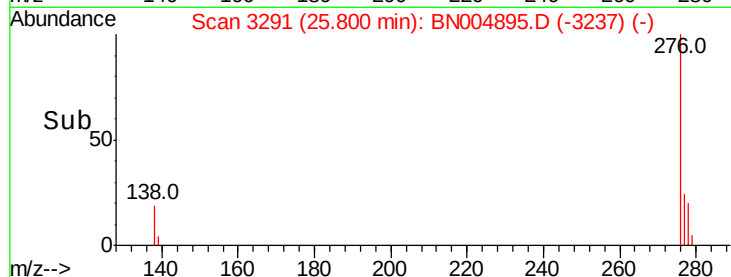
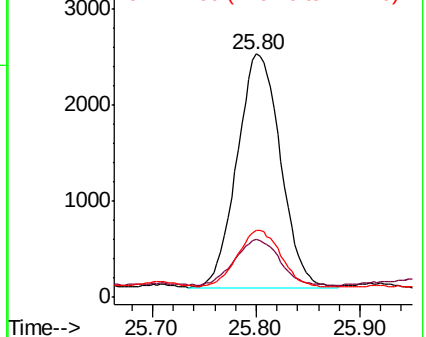
277 24.3 20.3 30.5



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: 23.53 min Scan# 2629

Delta R.T. -0.01 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

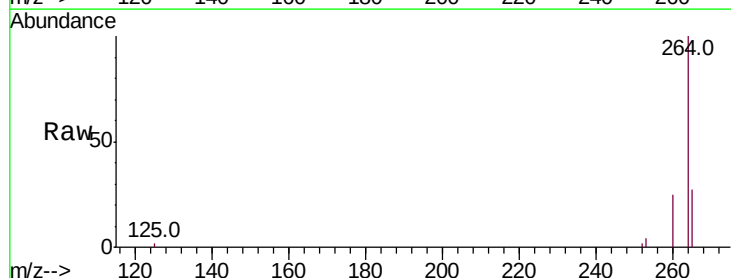
Tgt Ion:264 Resp: 25016

Ion Ratio Lower Upper

264 100

260 24.6 19.5 29.3

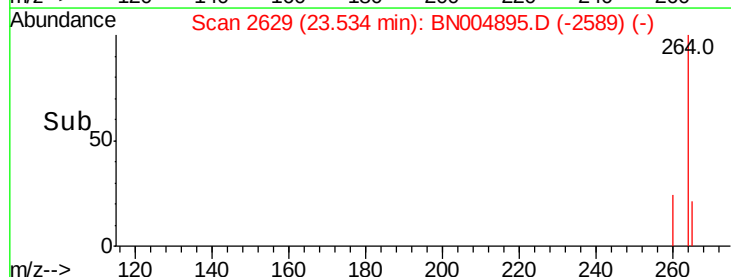
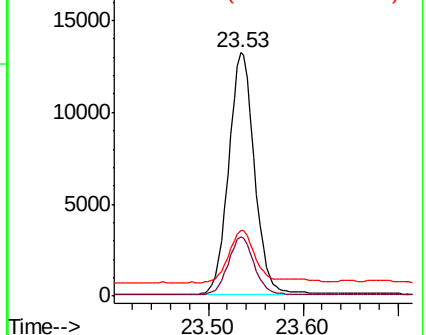
265 26.8 23.1 34.7

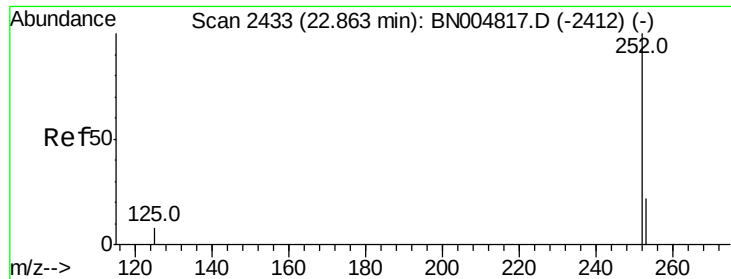


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.168 ng

RT: 22.86 min Scan# 2432

Delta R.T. -0.00 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

Instrument :

BNA_N

ClientSampleId :

PST-026-B021-031819

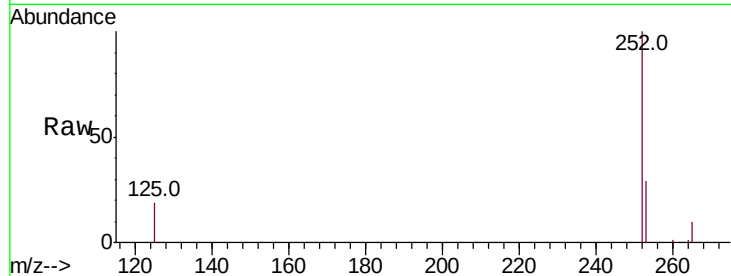
Tot Ion:252 Resp: 15173

Ion Ratio Lower Upper

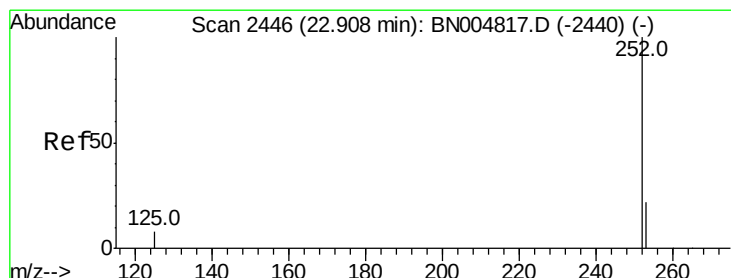
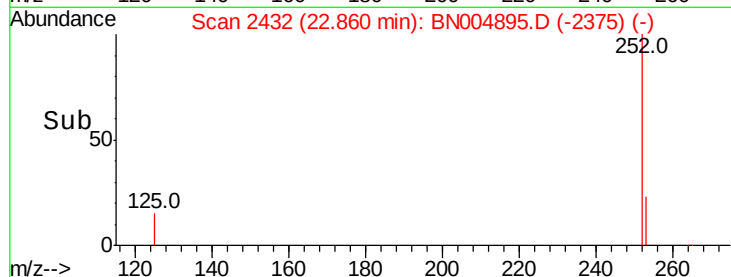
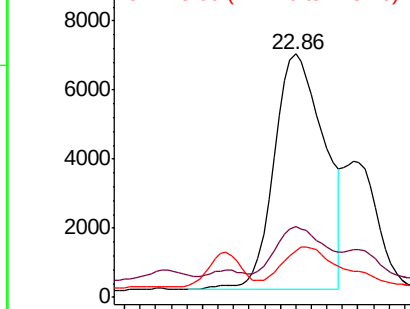
252 100

253 29.0 19.0 28.4#

125 19.2 7.4 11.2#



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



#36

Benzo(k)fluoranthene

Concen: 0.170 ng

RT: 22.86 min Scan# 2432

Delta R.T. -0.05 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

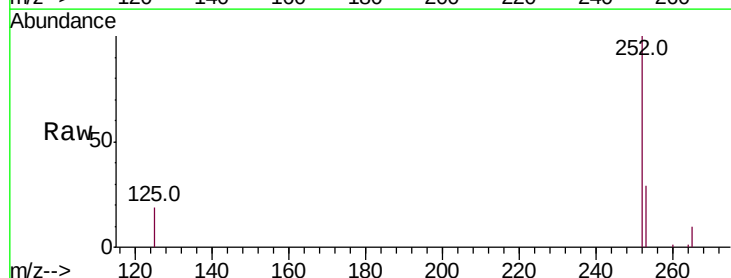
Tgt Ion:252 Resp: 15173

Ion Ratio Lower Upper

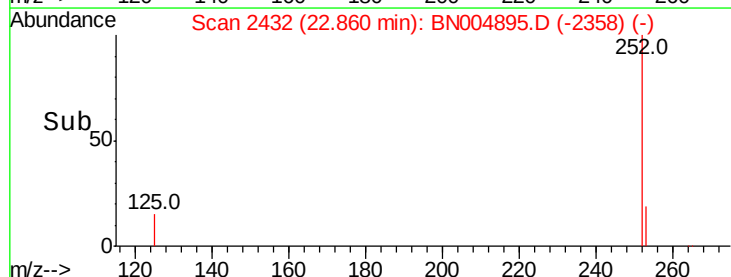
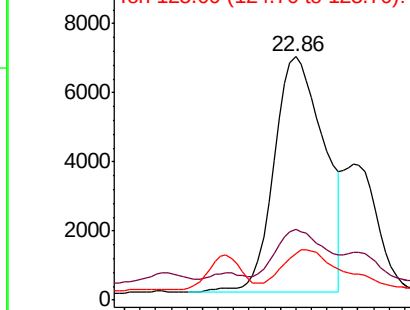
252 100

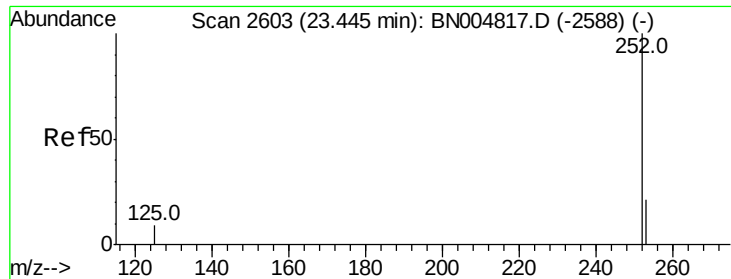
253 29.0 19.3 28.9#

125 19.2 7.4 11.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.122 ng

RT: 23.43 min Scan# 2600

Delta R.T. -0.01 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

Instrument :

BNA_N

ClientSampleId :

PST-026-B021-031819

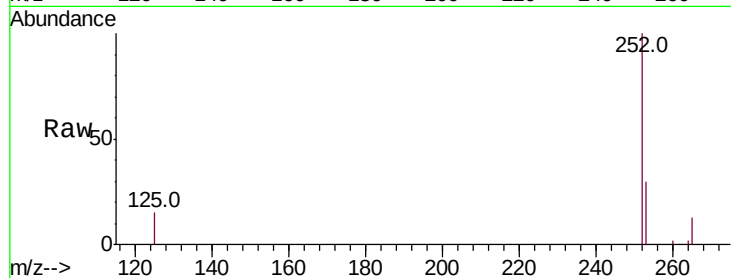
Tot Ion:252 Resp: 10112

Ion Ratio Lower Upper

252 100

253 30.4 19.7 29.5#

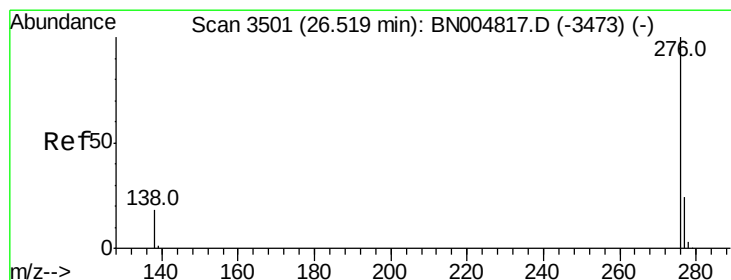
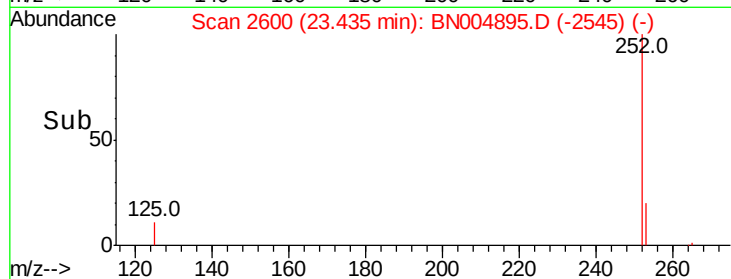
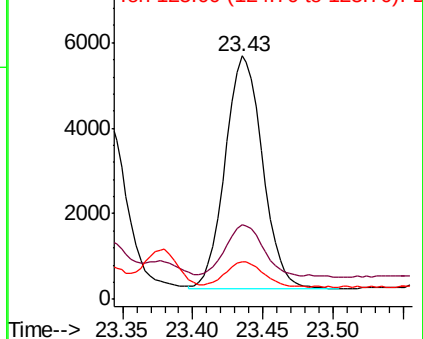
125 15.4 8.3 12.5#



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



#39

Benzo(g,h,i)perylene

Concen: 0.070 ng

RT: 26.51 min Scan# 3497

Delta R.T. -0.01 min

Lab File: BN004895.D

Acq: 22 Mar 2019 21:58

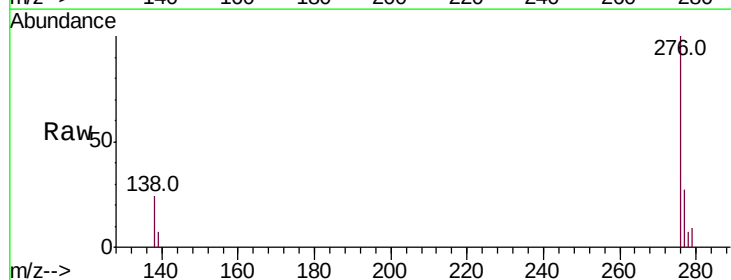
Tgt Ion:276 Resp: 6868

Ion Ratio Lower Upper

276 100

277 27.4 19.7 29.5

138 23.5 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

