

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032319\
 Data File : BN004928.D
 Acq On : 23 Mar 2019 19:40
 Operator : JU/SJ
 Sample : K1948-14
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-025-SW046-031319

Quant Time: Mar 24 01:01:50 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	1623	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	6638	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	3649	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	8532	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	12304	0.40	ng	-0.01
34) Perylene-d12	23.53	264	15623	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.28	112	1812	0.41	ng	0.00
5) Phenol-d6	6.86	99	2268	0.41	ng	-0.02
8) Nitrobenzene-d5	8.84	82	1811	0.41	ng	-0.03
11) 2-Methylnaphthalene-d10	12.07	152	3742	0.32	ng	-0.01
14) 2,4,6-Tribromophenol	15.84	330	838	0.33	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	5018	0.33	ng	-0.01
25) Fluoranthene-d10	19.12	212	9532	0.33	ng	-0.01
29) Terphenyl-d14	19.72	244	6026	0.24	ng	0.00

Target Compounds

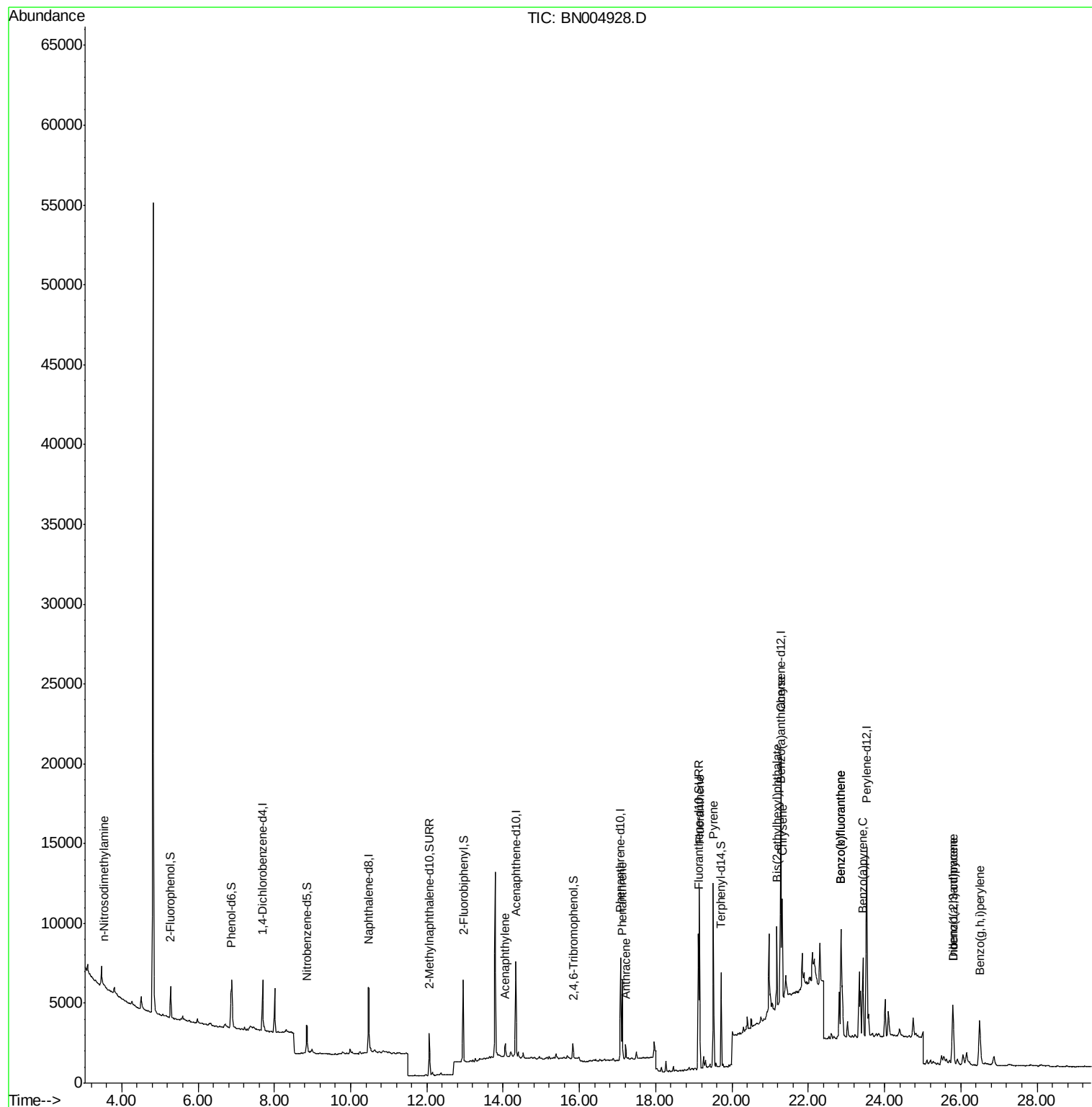
						Qvalue
3) n-Nitrosodimethylamine	3.55	42	36	0.033	ng	# 1
16) Acenaphthylene	14.05	152	1083	0.058	ng	97
23) Phenanthrene	17.12	178	5043	0.183	ng	98
24) Anthracene	17.22	178	1076	0.044	ng	98
26) Fluoranthene	19.15	202	10432	0.295	ng	# 97
28) Pyrene	19.51	202	10309	0.275	ng	# 96
30) Benzo(a)anthracene	21.27	228	6210	0.154	ng	# 88
31) Chrysene	21.32	228	6598	0.155	ng	# 90
32) Bis(2-ethylhexyl)phthalate	21.17	149	5605	0.348	ng	99
33) Indeno(1,2,3-cd)pyrene	25.79	276	5584	0.091	ng	97
35) Benzo(b)fluoranthene	22.85	252	9732	0.172	ng	# 68
36) Benzo(k)fluoranthene	22.85	252	9732	0.175	ng	# 69
37) Benzo(a)pyrene	23.43	252	7030	0.136	ng	# 72
38) Dibenzo(a,h)anthracene	25.80	278	1446	0.024	ng	# 1
39) Benzo(g,h,i)perylene	26.50	276	5937	0.097	ng	# 84

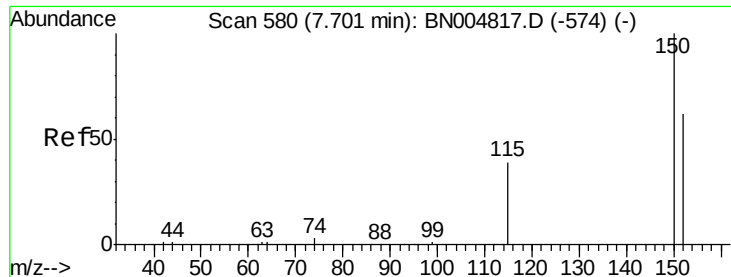
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BN004928.D

Acq: 23 Mar 2019 19:40

Instrument :

BNA_N

ClientSampleId :

PST-025-SW046-031319

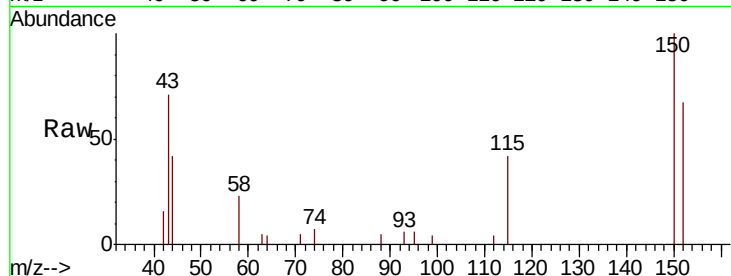
Tgt Ion: 152 Resp: 1623

Ion Ratio Lower Upper

152 100

150 148.9 126.2 189.4

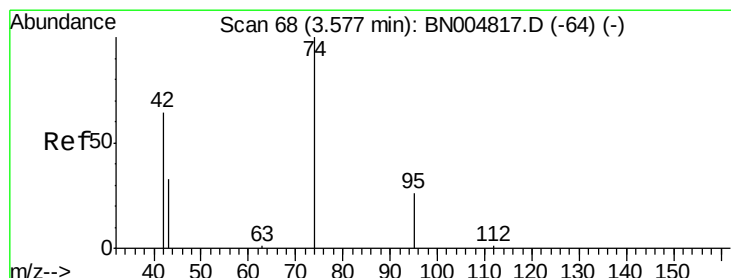
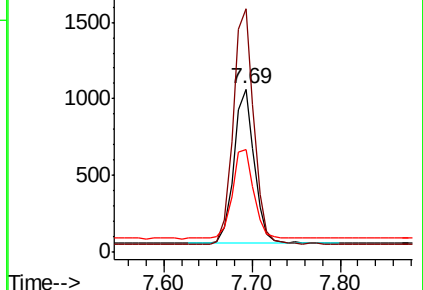
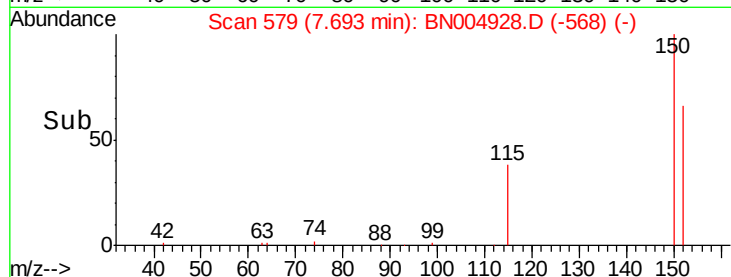
115 62.7 52.6 79.0



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: 0.033 ng

RT: 3.55 min Scan# 65

Delta R.T. -0.02 min

Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

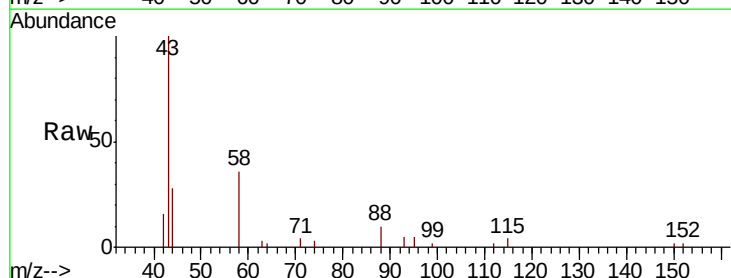
Tgt Ion: 42 Resp: 36

Ion Ratio Lower Upper

42 100

74 25.0 128.4 192.6#

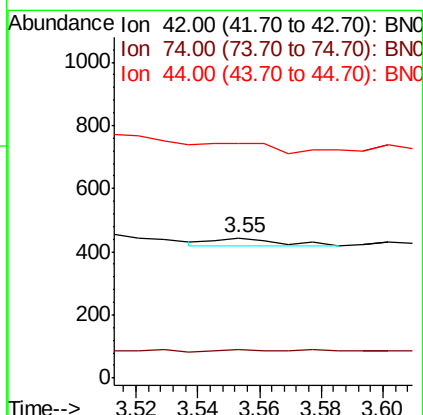
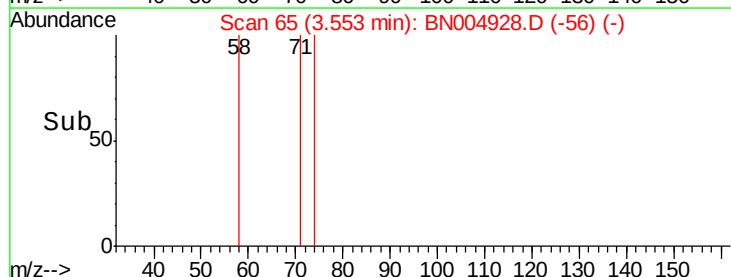
44 0.0 6.1 9.1#

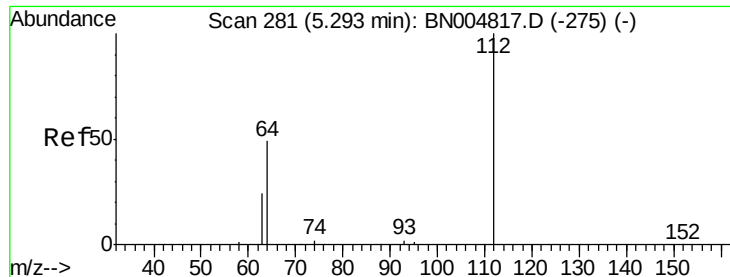


Abundance Ion 42.00 (41.70 to 42.70): BNC

Ion 74.00 (73.70 to 74.70): BNC

Ion 44.00 (43.70 to 44.70): BNC





#4

2-Fluorophenol

Concen: 0.411 ng

RT: 5.28 min Scan# 280

Delta R.T. -0.01 min

Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

Instrument :

BNA_N

ClientSampleId :

PST-025-SW046-031319

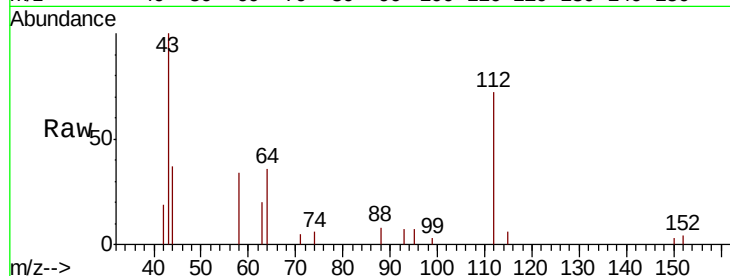
Tgt Ion: 112 Resp: 1812

Ion Ratio Lower Upper

112 100

64 51.4 40.0 60.0

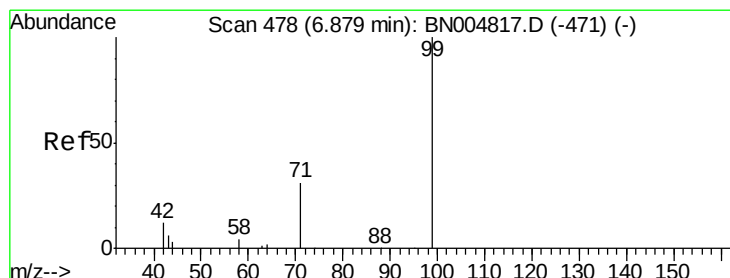
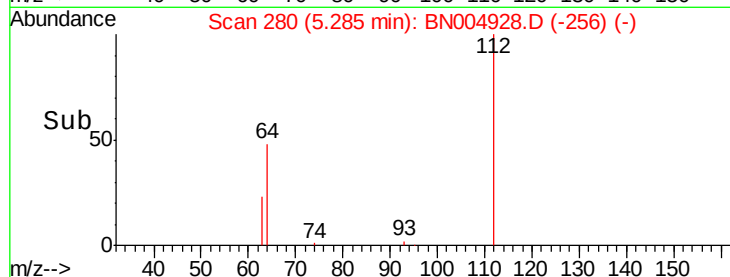
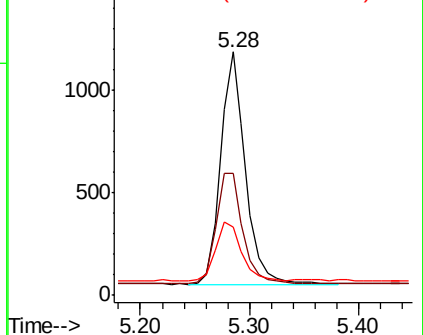
63 26.7 20.2 30.2



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#5

Phenol-d6

Concen: 0.413 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

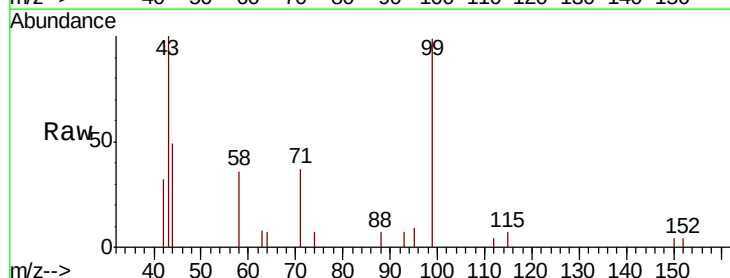
Tgt Ion: 99 Resp: 2268

Ion Ratio Lower Upper

99 100

42 23.0 12.7 19.1#

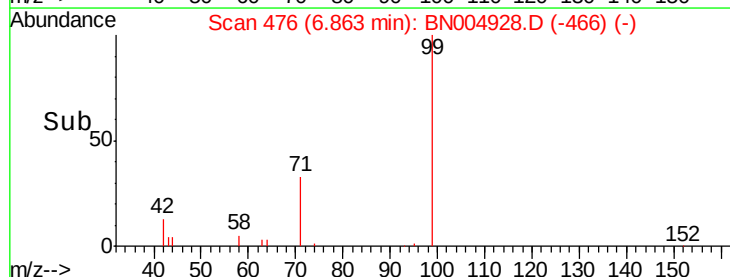
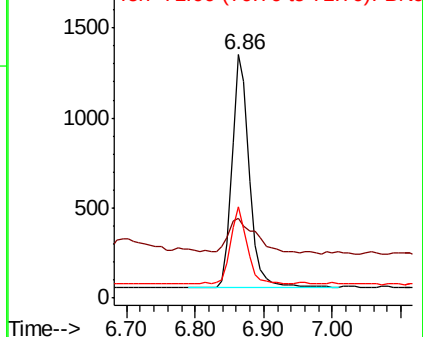
71 31.7 26.6 40.0

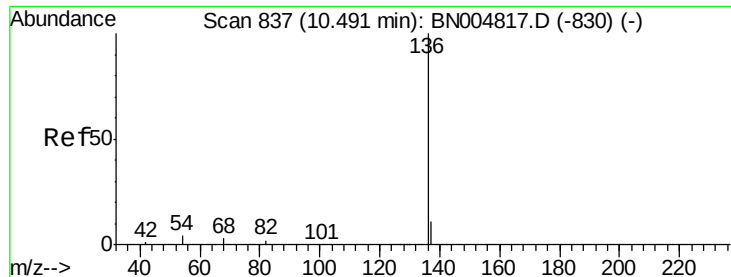


Abundance Ion 99.00 (98.70 to 99.70): BNC

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: BN004928.D

Acq: 23 Mar 2019 19:40

Instrument :

BNA_N

ClientSampleId :

PST-025-SW046-031319

Tgt Ion:136 Resp: 6638

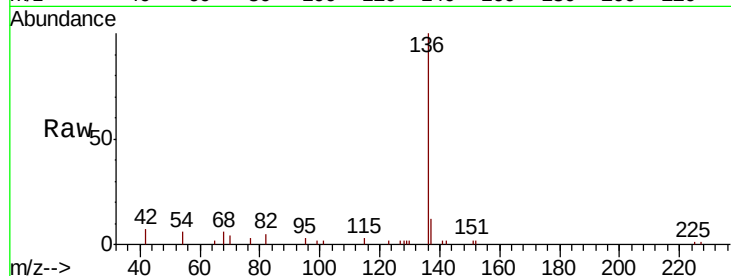
Ion Ratio Lower Upper

136 100

137 12.4 9.6 14.4

54 6.2 4.2 6.2

68 6.0 3.9 5.9#

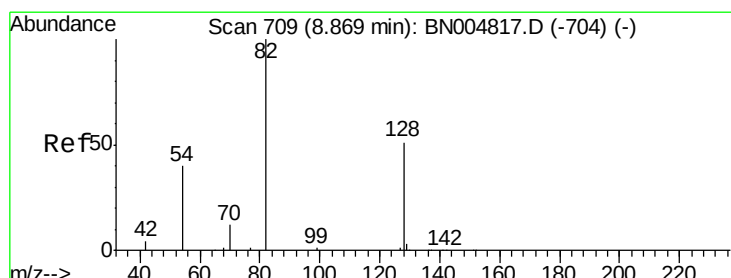
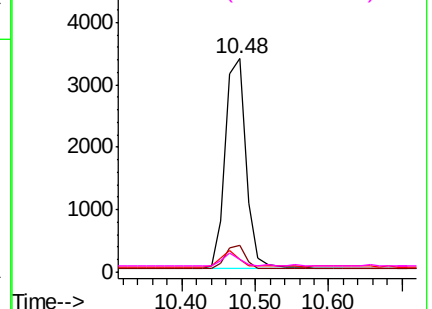
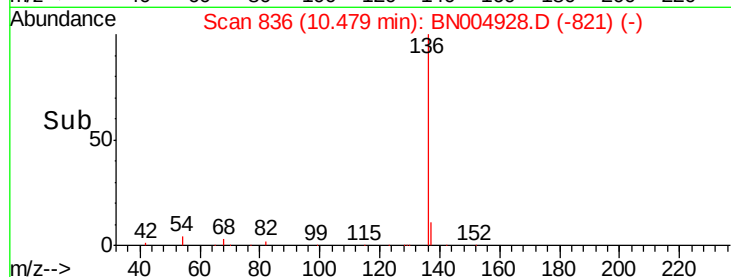


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.412 ng

RT: 8.84 min Scan# 707

Delta R.T. -0.03 min

Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

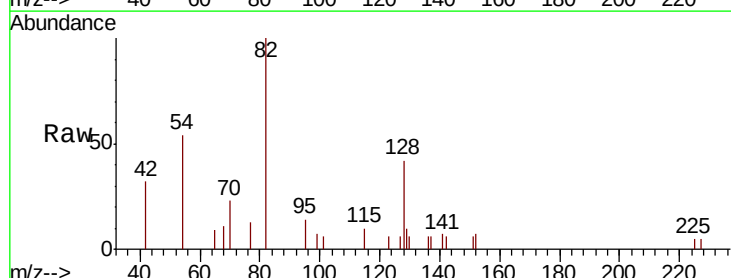
Tgt Ion: 82 Resp: 1811

Ion Ratio Lower Upper

82 100

128 41.8 43.0 64.6#

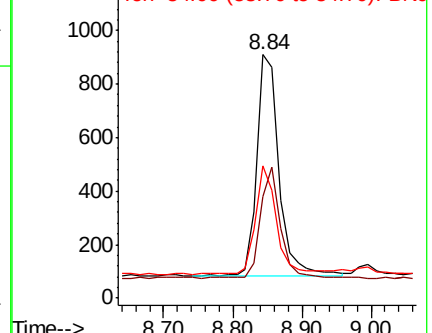
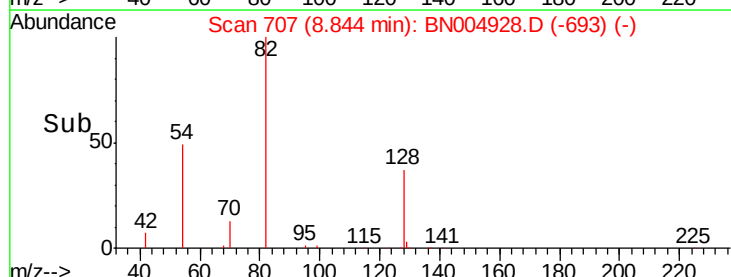
54 54.3 35.3 52.9#

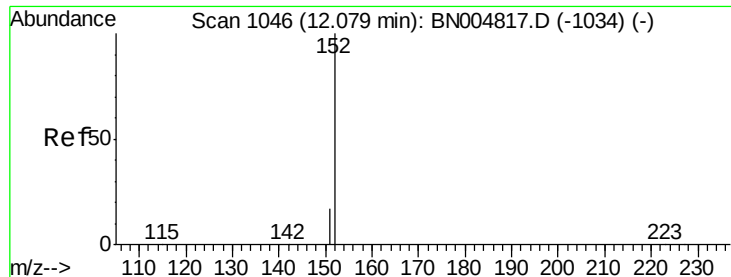


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

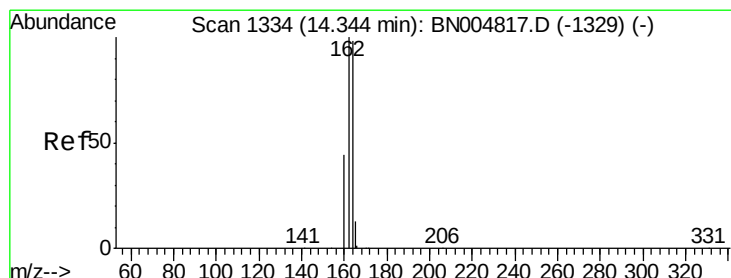
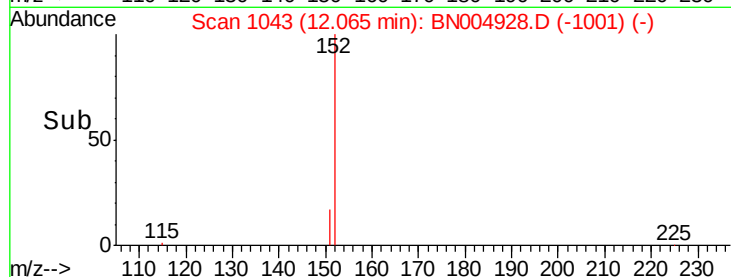
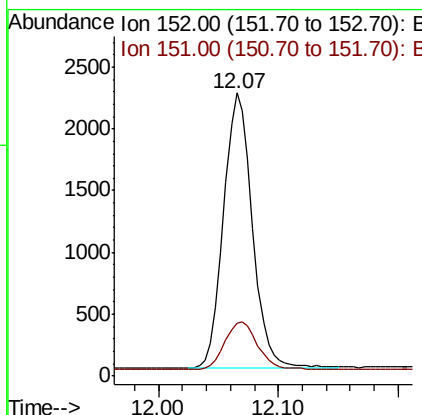
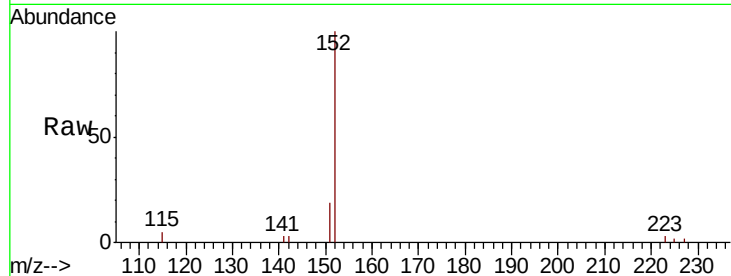




#11
2-Methylnaphthalene-d10
Concen: 0.323 ng
RT: 12.07 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BN004928.D
Acq: 23 Mar 2019 19:40

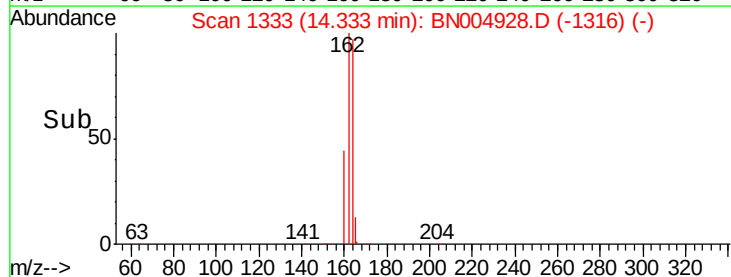
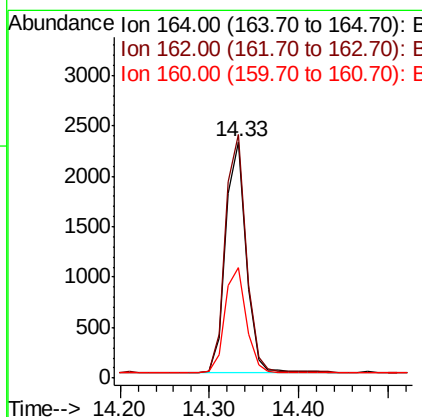
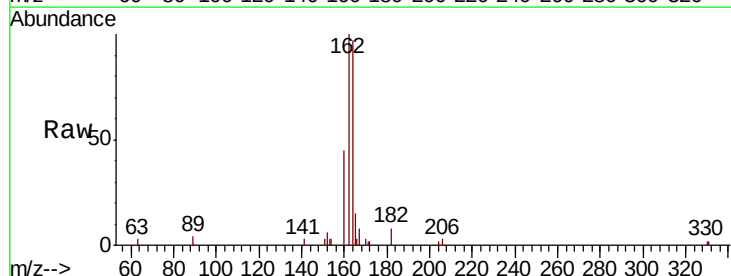
Instrument :
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PST-025-SW046-031319

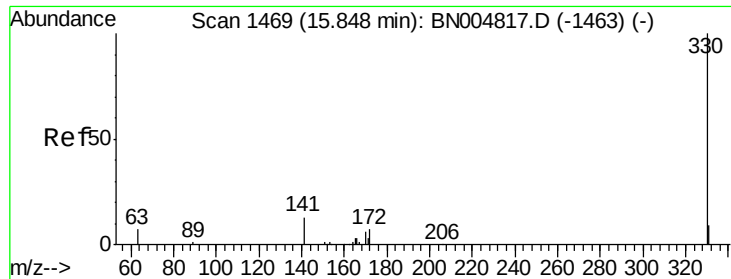
Tgt Ion:152 Resp: 3742
Ion Ratio Lower Upper
152 100
151 19.6 15.5 23.3



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.33 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BN004928.D
Acq: 23 Mar 2019 19:40

Tgt Ion:164 Resp: 3649
Ion Ratio Lower Upper
164 100
162 103.0 81.9 122.9
160 46.5 36.6 54.8





#14

2,4,6-Tribromophenol

Concen: 0.333 ng

RT: 15.84 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

Instrument :

BNA_N

ClientSampleId :

PST-025-SW046-031319

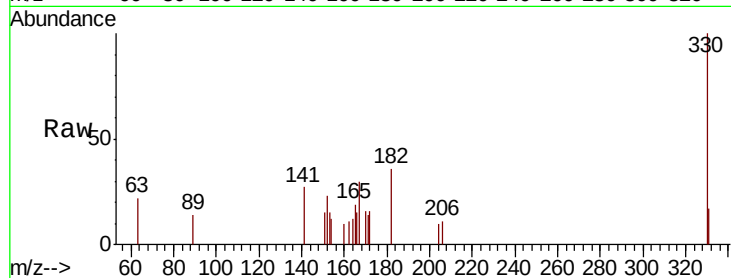
Tgt Ion:330 Resp: 838

Ion Ratio Lower Upper

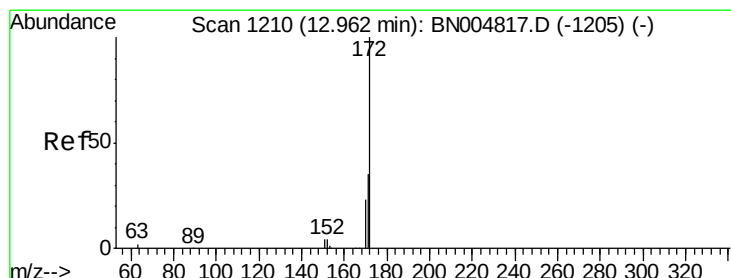
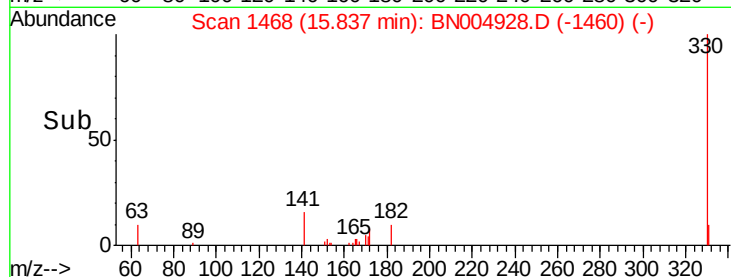
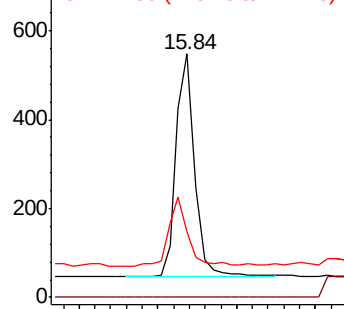
330 100

332 0.0 0.0 0.0

141 33.5 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: 0.333 ng

RT: 12.95 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

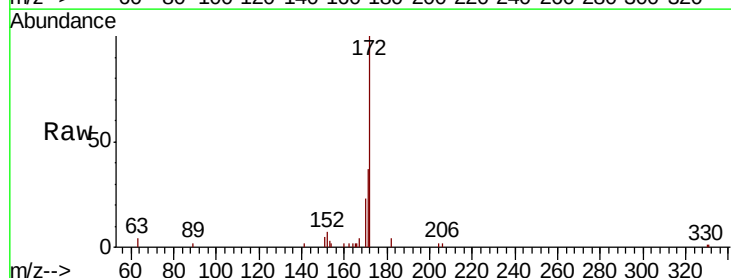
Tgt Ion:172 Resp: 5018

Ion Ratio Lower Upper

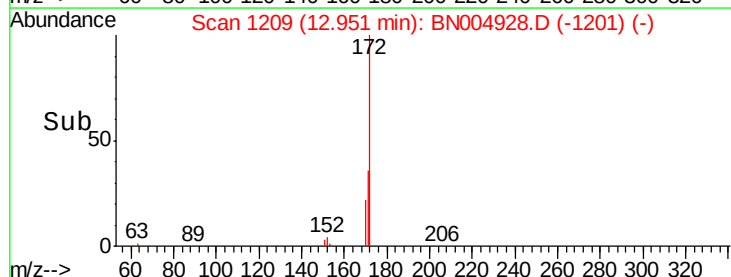
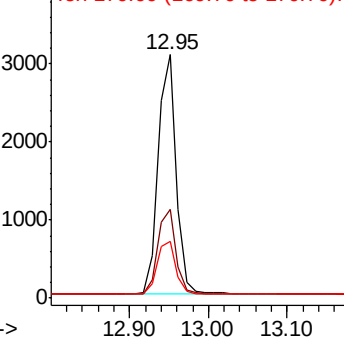
172 100

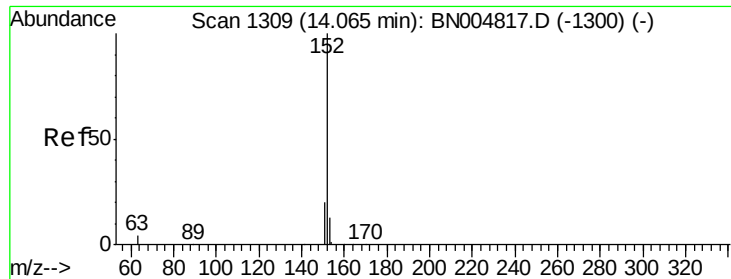
171 36.6 28.7 43.1

170 23.1 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: 0.058 ng

RT: 14.05 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

Instrument :

BNA_N

ClientSampleId :

PST-025-SW046-031319

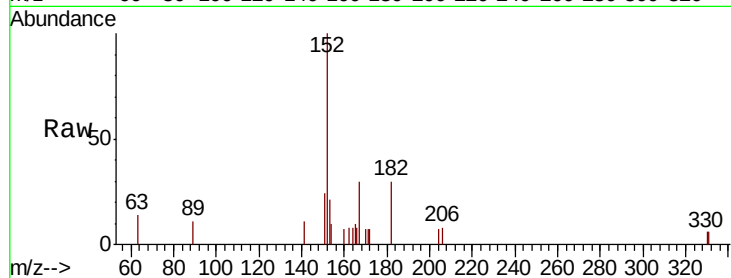
Tgt Ion:152 Resp: 1083

Ion Ratio Lower Upper

152 100

151 20.4 16.1 24.1

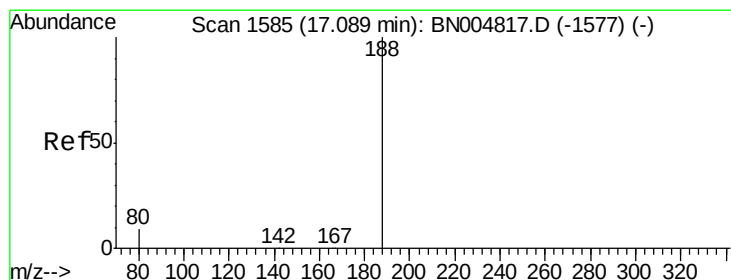
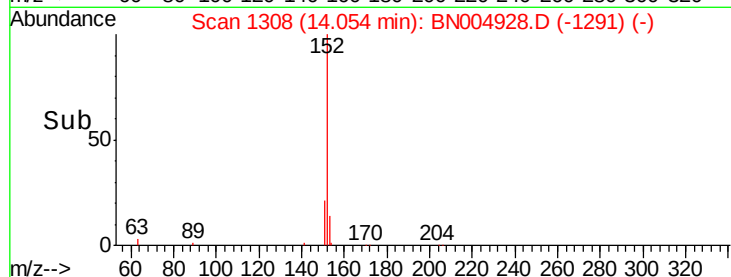
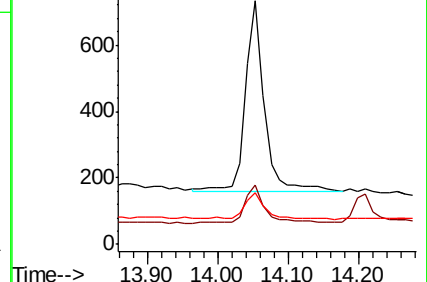
153 15.3 10.5 15.7



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: BN004928.D

Acq: 23 Mar 2019 19:40

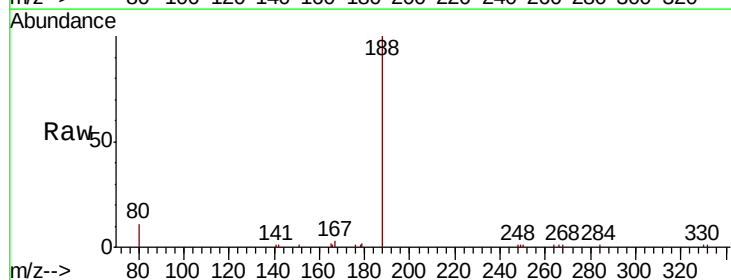
Tgt Ion:188 Resp: 8532

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

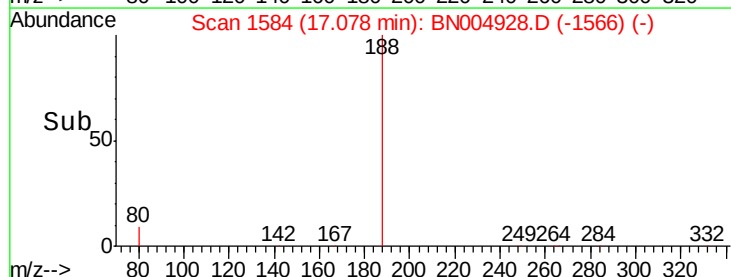
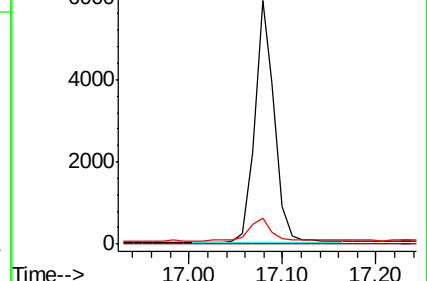
80 10.6 7.4 11.2

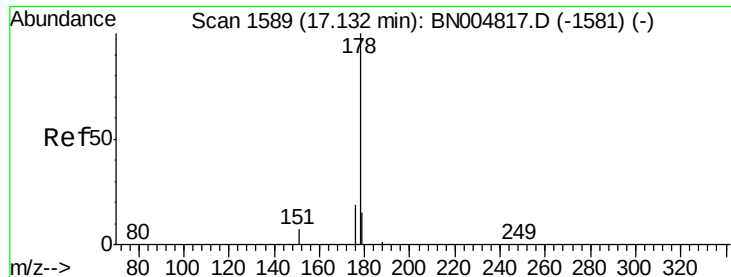


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#23

Phenanthrene

Concen: 0.183 ng

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

Instrument :

BNA_N

ClientSampleId :

PST-025-SW046-031319

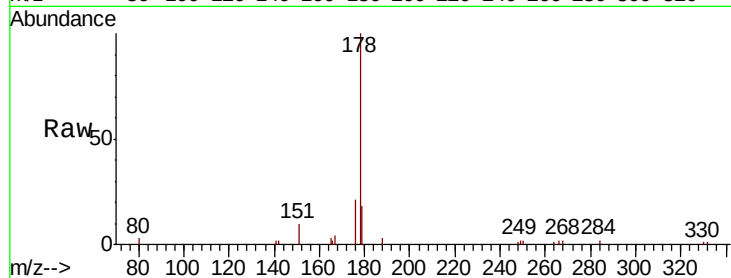
Tgt Ion:178 Resp: 5043

Ion Ratio Lower Upper

178 100

176 19.2 14.9 22.3

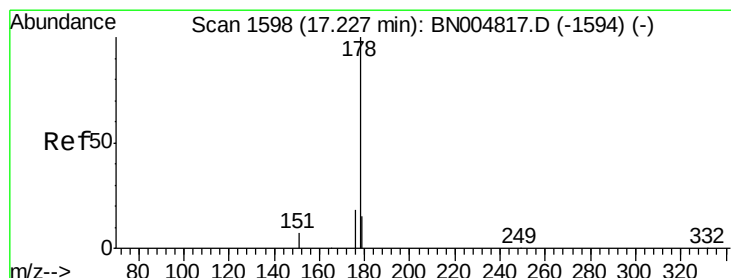
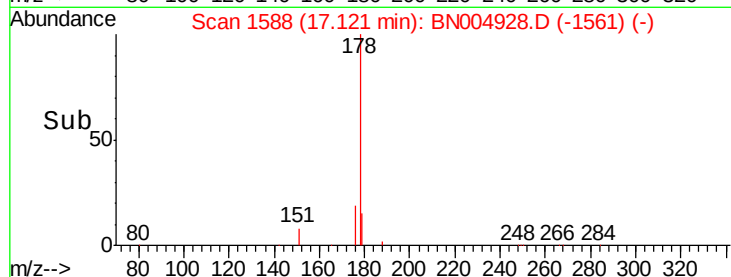
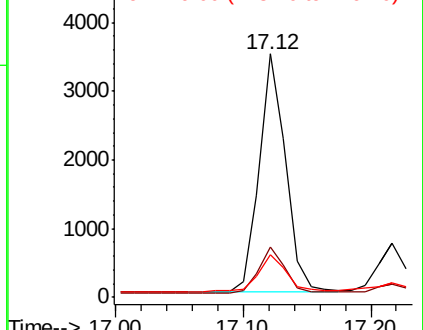
179 16.3 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.044 ng

RT: 17.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

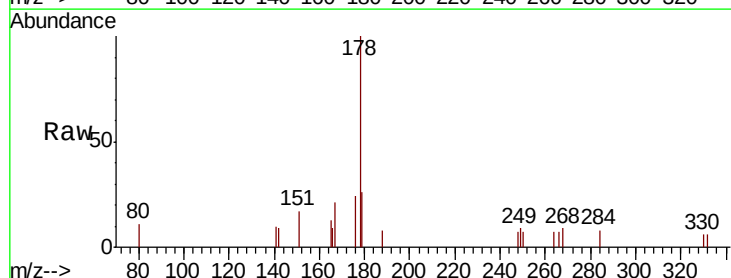
Tgt Ion:178 Resp: 1076

Ion Ratio Lower Upper

178 100

176 18.0 14.5 21.7

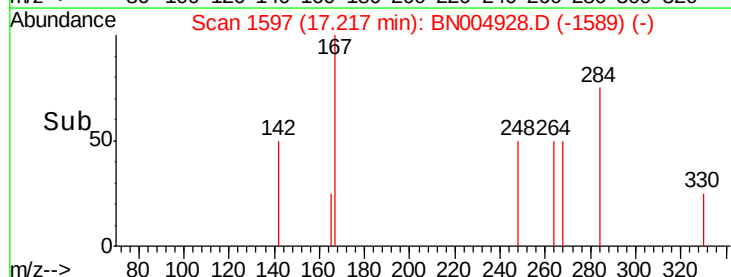
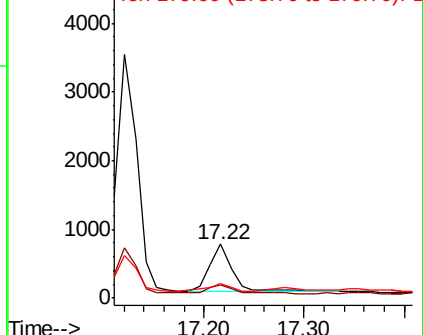
179 16.6 12.2 18.4

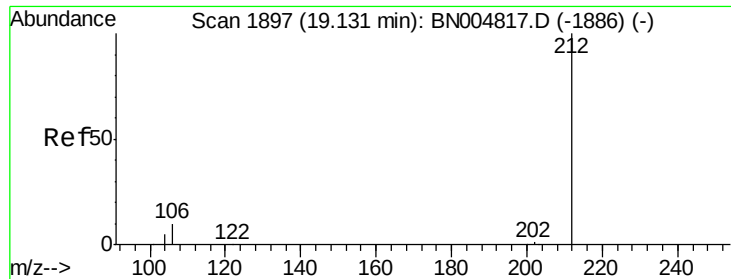


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.334 ng

RT: 19.12 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

Instrument :

BNA_N

ClientSampleId :

PST-025-SW046-031319

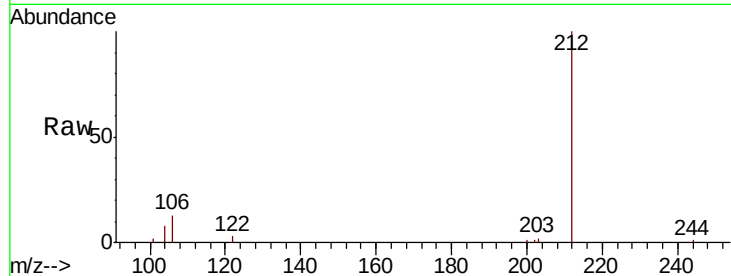
Tgt Ion: 212 Resp: 9532

Ion Ratio Lower Upper

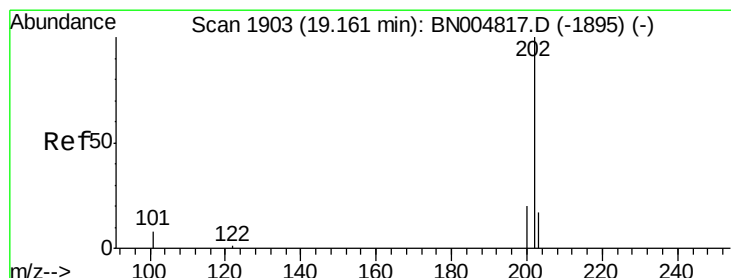
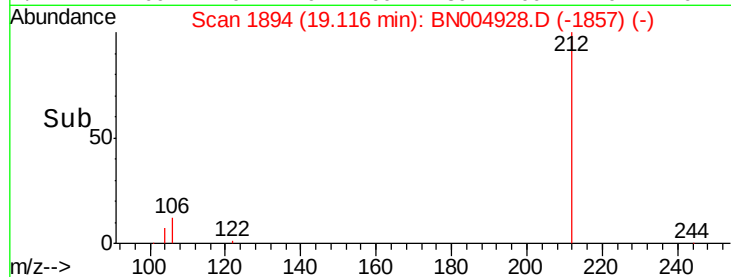
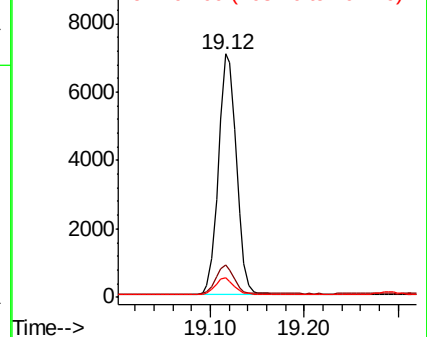
212 100

106 12.3 8.6 13.0

104 6.9 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: 0.295 ng

RT: 19.15 min Scan# 1901

Delta R.T. -0.01 min

Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

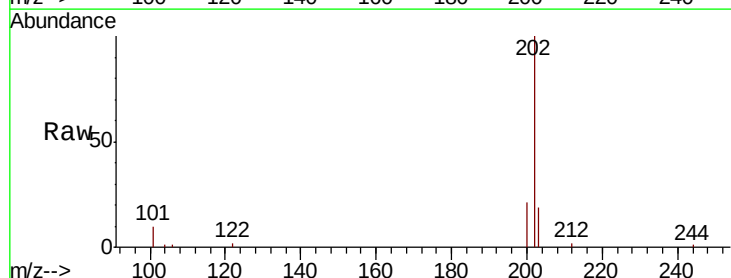
Tgt Ion: 202 Resp: 10432

Ion Ratio Lower Upper

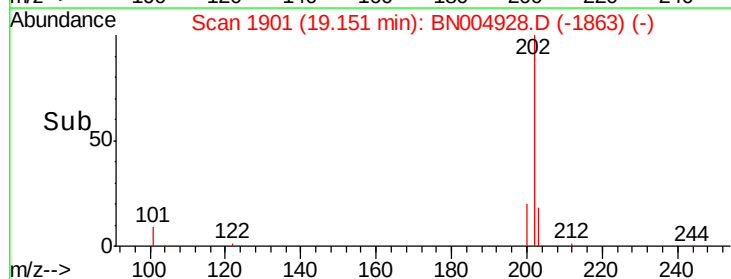
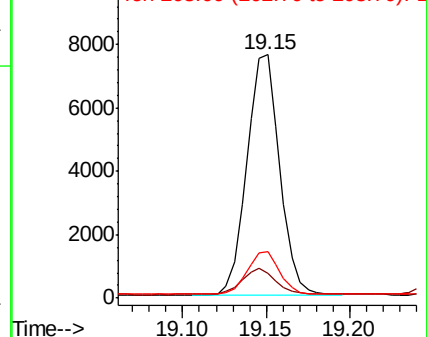
202 100

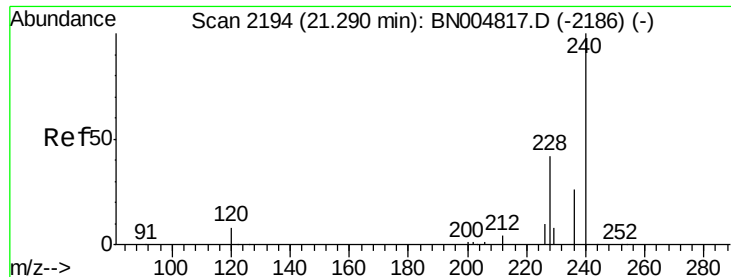
101 11.5 7.5 11.3#

203 17.6 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: 21.28 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

Instrument :

BNA_N

ClientSampleId :

PST-025-SW046-031319

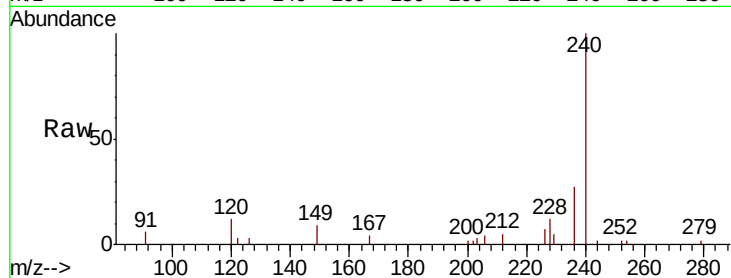
Tgt Ion:240 Resp: 12304

Ion Ratio Lower Upper

240 100

120 11.9 7.2 10.8#

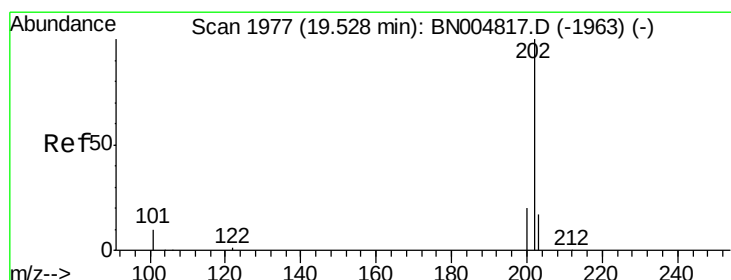
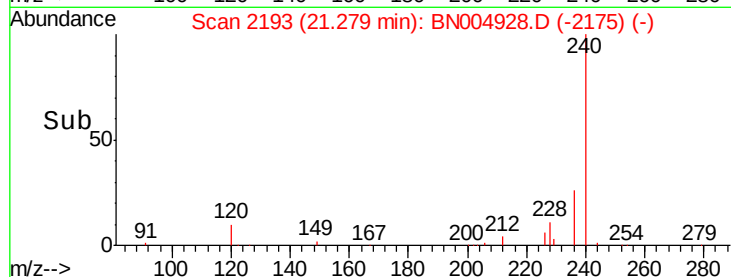
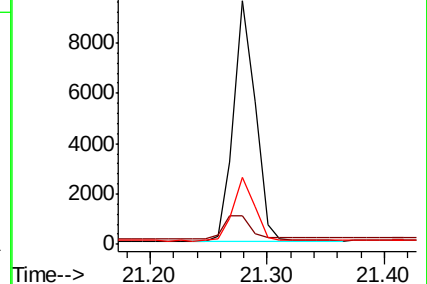
236 27.4 20.9 31.3



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: 0.275 ng

RT: 19.51 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

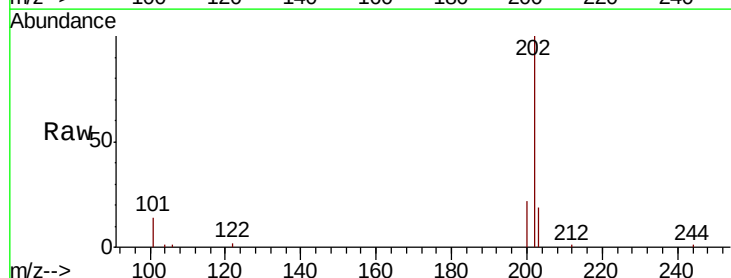
Tgt Ion:202 Resp: 10309

Ion Ratio Lower Upper

202 100

200 20.7 16.3 24.5

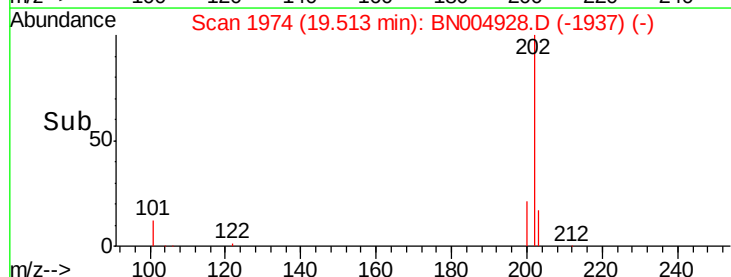
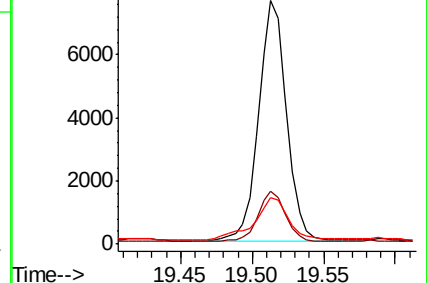
203 21.1 14.0 21.0#

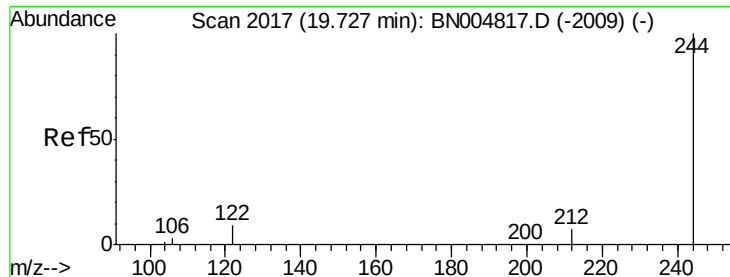


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.239 ng

RT: 19.72 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

Instrument :

BNA_N

ClientSampleId :

PST-025-SW046-031319

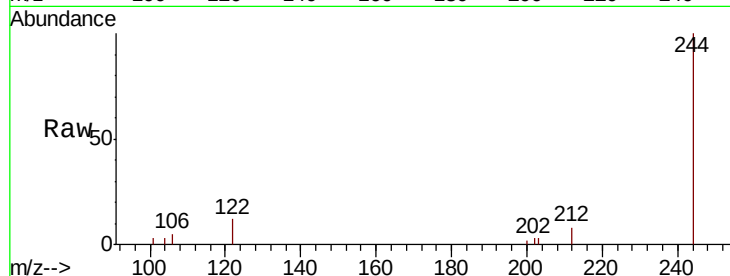
Tgt Ion:244 Resp: 6026

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.6

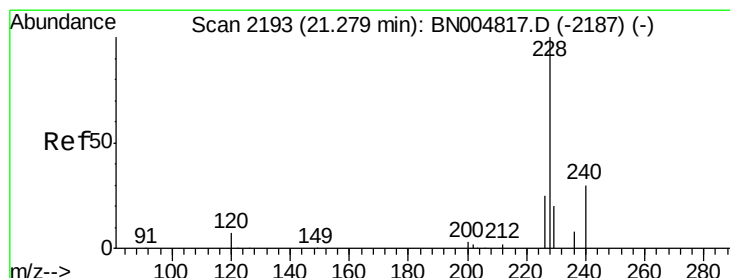
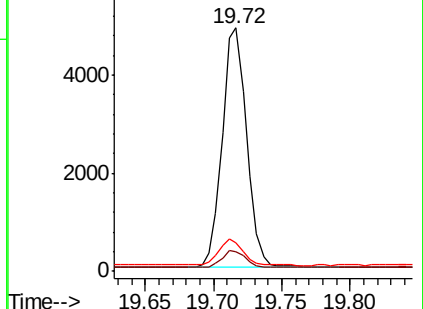
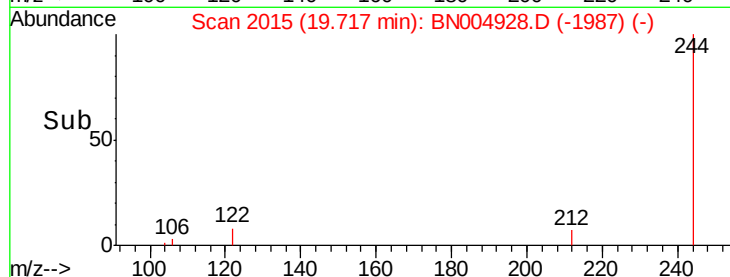
122 11.8 7.9 11.9



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: 0.154 ng

RT: 21.27 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

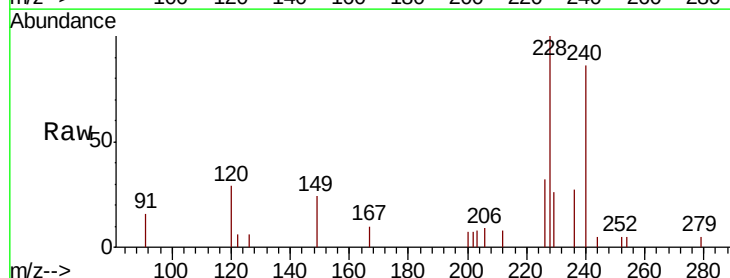
Tgt Ion:228 Resp: 6210

Ion Ratio Lower Upper

228 100

226 31.6 20.6 31.0#

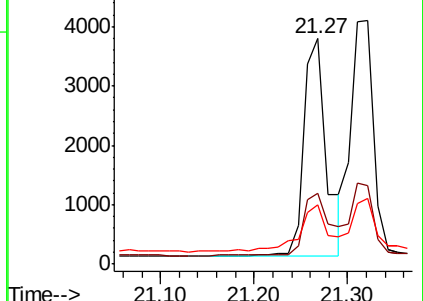
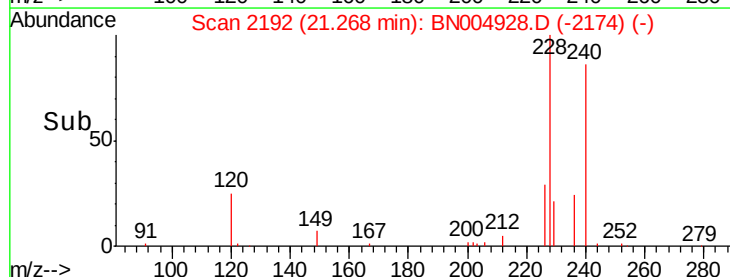
229 26.1 16.2 24.4#

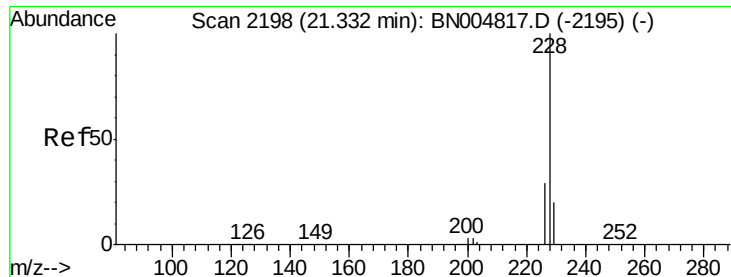


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.155 ng

RT: 21.32 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

Instrument :

BNA_N

ClientSampleId :

PST-025-SW046-031319

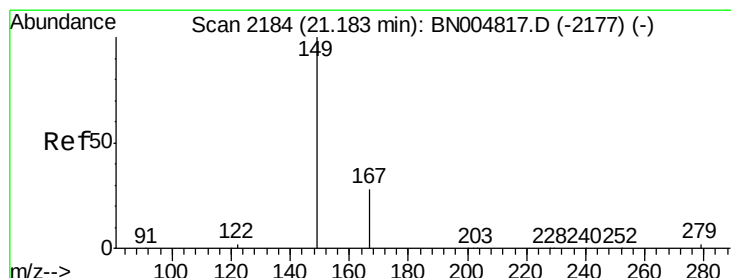
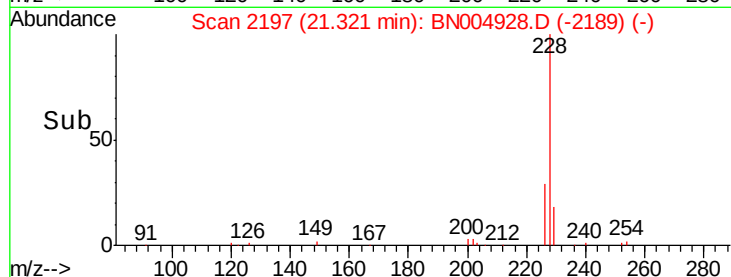
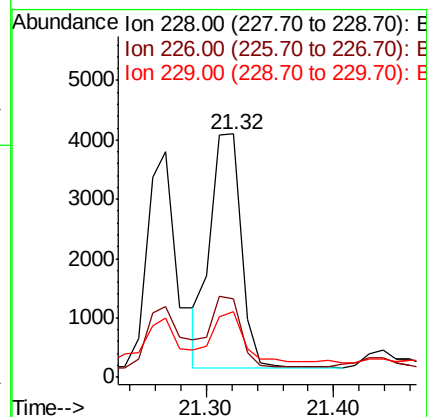
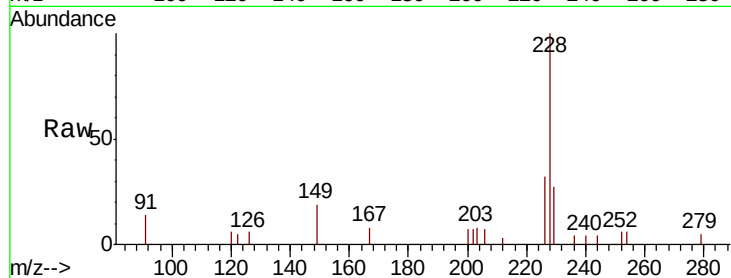
Tgt Ion: 228 Resp: 6598

Ion Ratio Lower Upper

228 100

226 32.1 23.0 34.6

229 26.9 16.2 24.2#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.348 ng

RT: 21.17 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

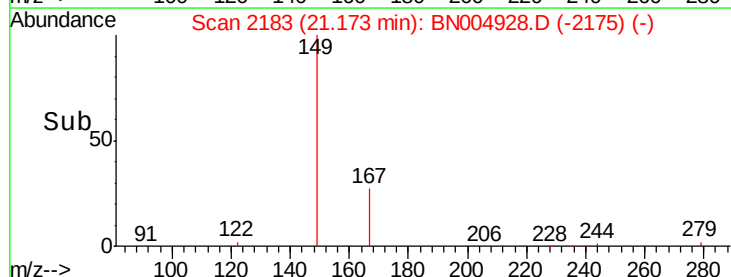
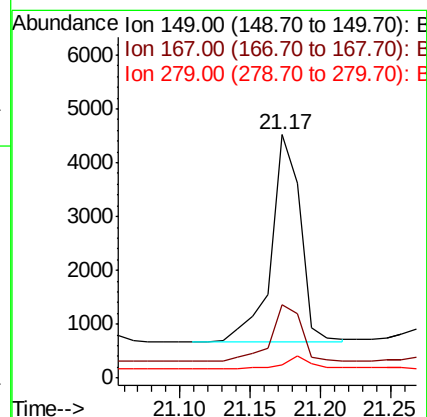
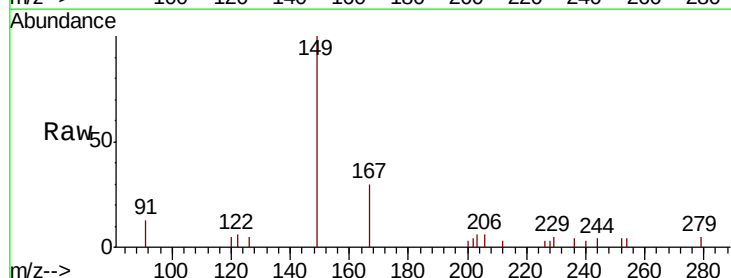
Tgt Ion: 149 Resp: 5605

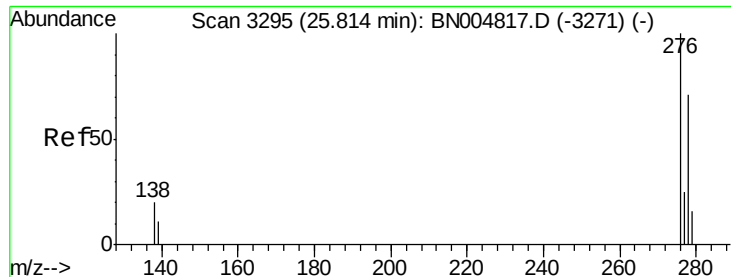
Ion Ratio Lower Upper

149 100

167 28.1 23.0 34.4

279 5.9 4.6 6.8





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.091 ng

RT: 25.79 min Scan# 3289

Delta R.T. -0.02 min

Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

Instrument :

BNA_N

ClientSampleId :

PST-025-SW046-031319

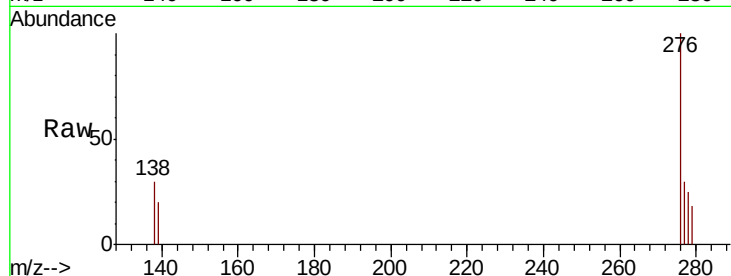
Tgt Ion:276 Resp: 5584

Ion Ratio Lower Upper

276 100

138 23.0 16.6 24.8

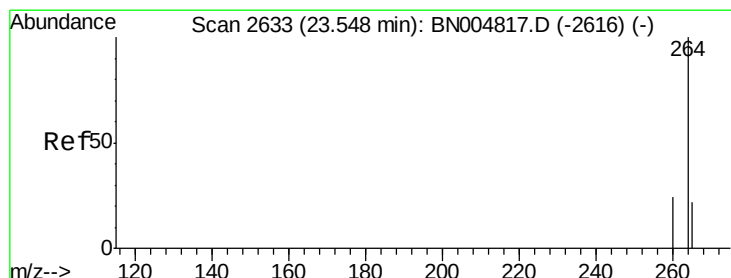
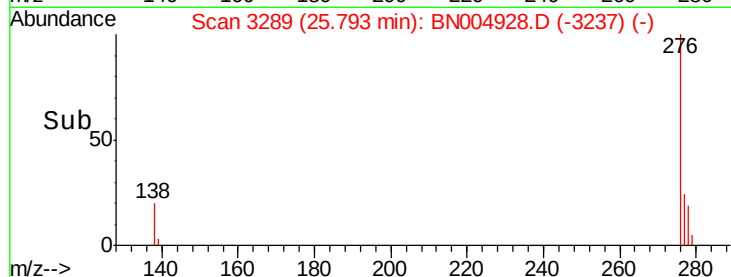
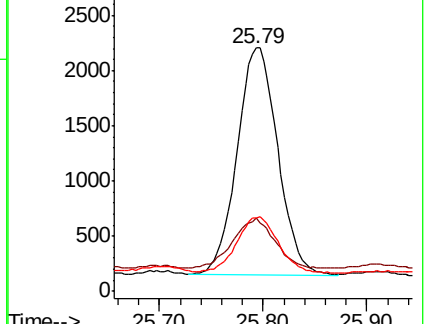
277 25.0 20.3 30.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.53 min Scan# 2628

Delta R.T. -0.02 min

Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

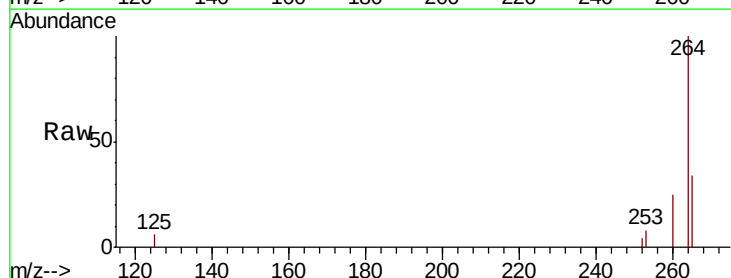
Tgt Ion:264 Resp: 15623

Ion Ratio Lower Upper

264 100

260 24.7 19.5 29.3

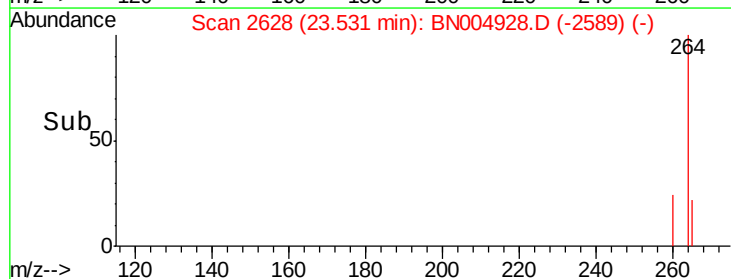
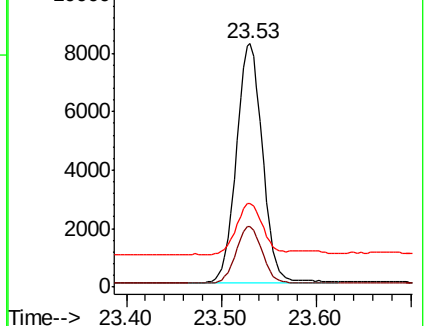
265 34.5 23.1 34.7

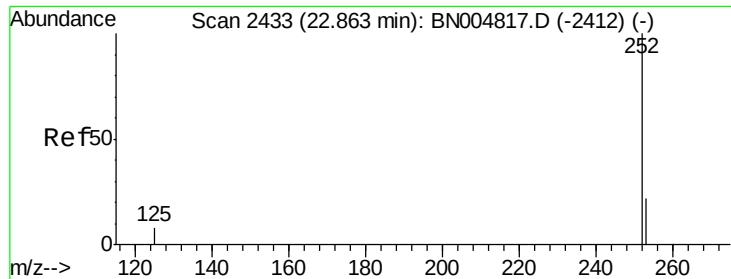


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.172 ng

RT: 22.85 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

Instrument :

BNA_N

ClientSampleId :

PST-025-SW046-031319

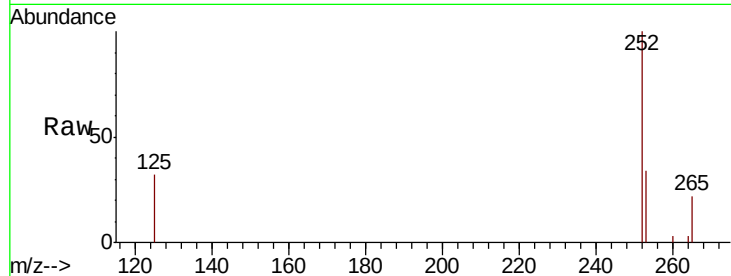
Tgt Ion:252 Resp: 9732

Ion Ratio Lower Upper

252 100

253 33.7 19.0 28.4#

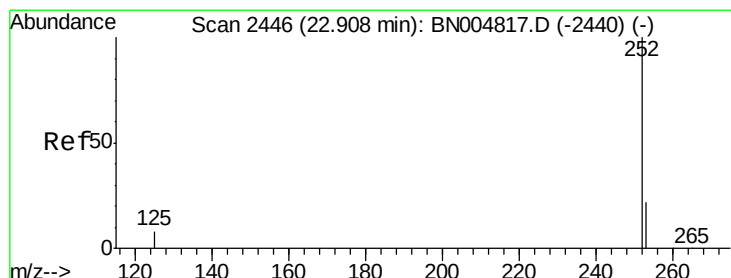
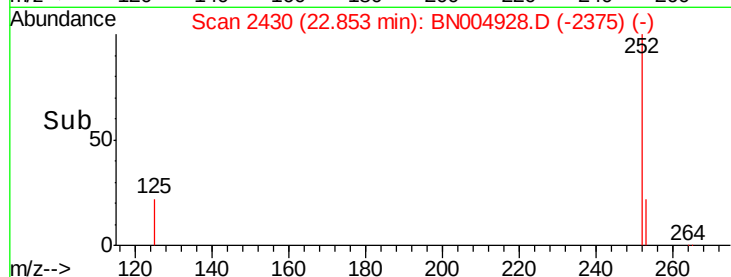
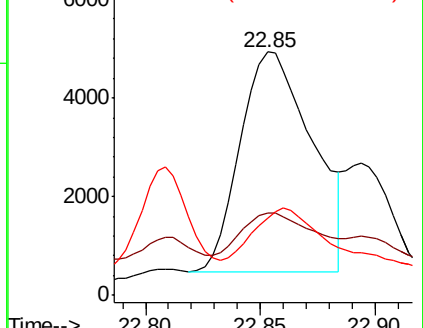
125 31.9 7.4 11.2#



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: 0.175 ng

RT: 22.85 min Scan# 2430

Delta R.T. -0.05 min

Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

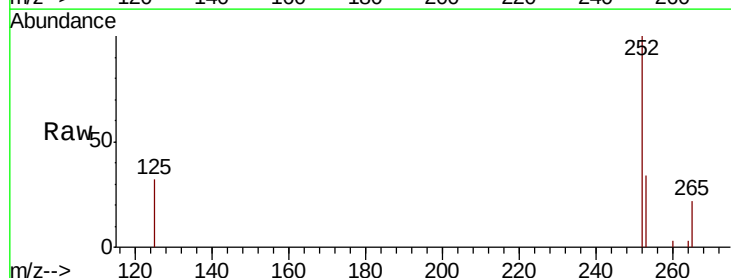
Tgt Ion:252 Resp: 9732

Ion Ratio Lower Upper

252 100

253 33.7 19.3 28.9#

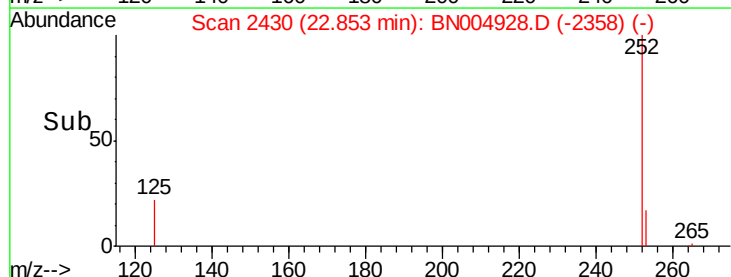
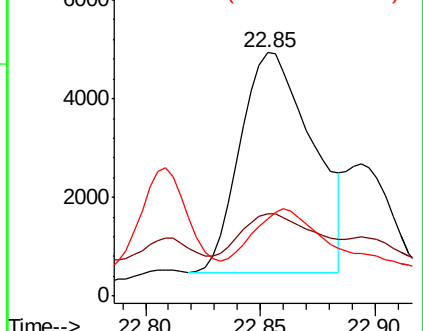
125 31.9 7.4 11.0#

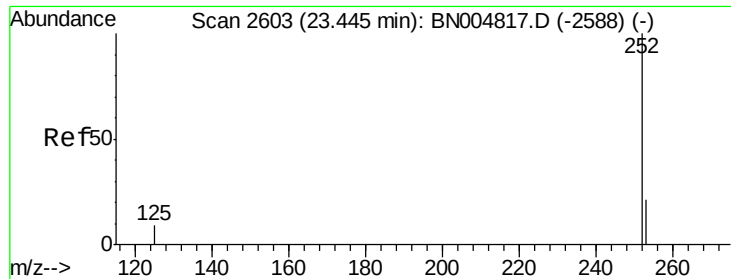


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.136 ng

RT: 23.43 min Scan# 2599

Delta R.T. -0.01 min

Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

Instrument :

BNA_N

ClientSampleId :

PST-025-SW046-031319

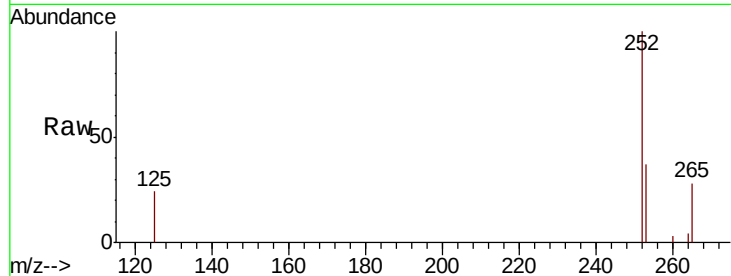
Tgt Ion: 252 Resp: 7030

Ion Ratio Lower Upper

252 100

253 37.3 19.7 29.5#

125 23.6 8.3 12.5#

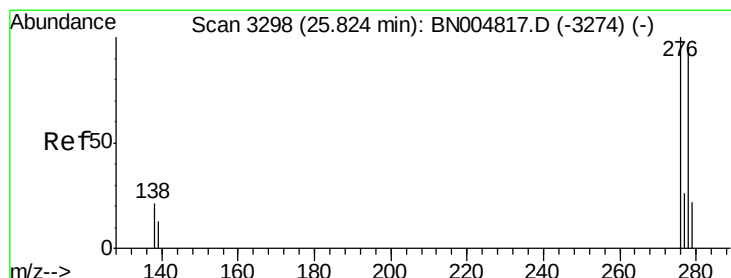
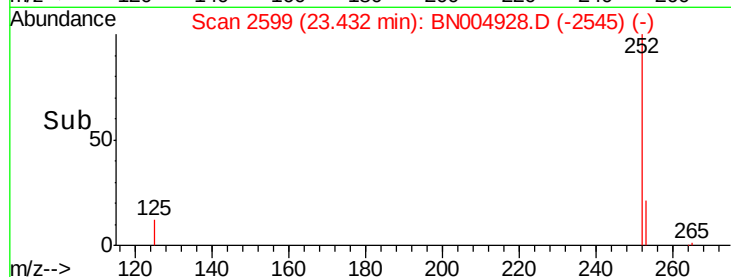
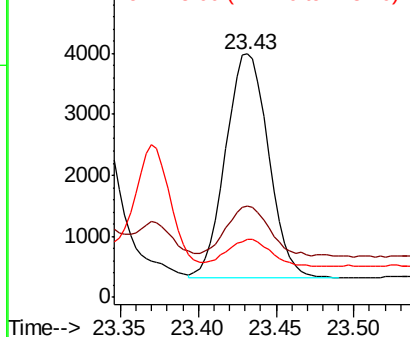


Abundance

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: 0.024 ng

RT: 25.80 min Scan# 3291

Delta R.T. -0.02 min

Lab File: BN004928.D

Acq: 23 Mar 2019 19:40

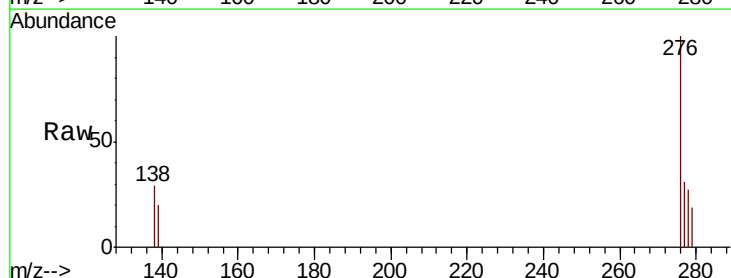
Tgt Ion: 278 Resp: 1446

Ion Ratio Lower Upper

278 100

139 73.3 11.7 17.5#

279 69.2 19.9 29.9#

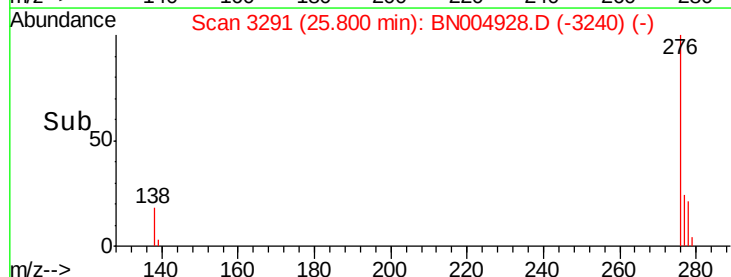
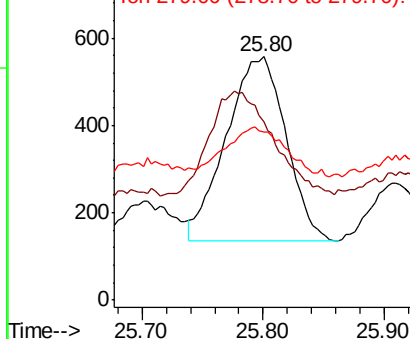


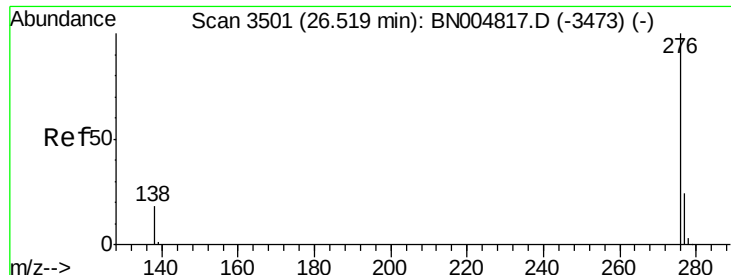
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.097 ng

RT: 26.50 min Scan# 3494

Delta R.T. -0.02 min

Lab File: BN004928.D

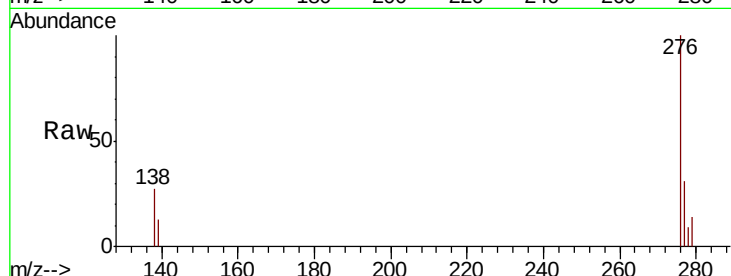
Acq: 23 Mar 2019 19:40

Instrument :

BNA_N

ClientSampleId :

PST-025-SW046-031319



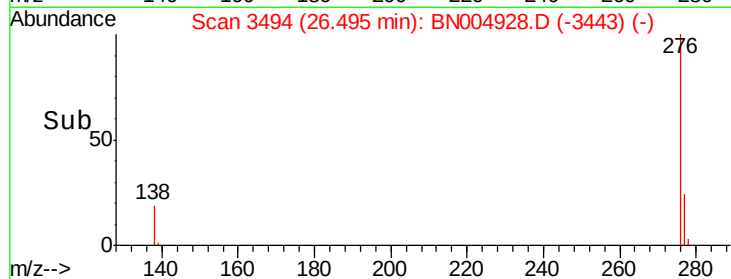
Tgt Ion: 276 Resp: 5937

Ion Ratio Lower Upper

276 100

277 30.9 19.7 29.5#

138 27.3 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

