

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004881.D
 Acq On : 22 Mar 2019 09:30
 Operator : JU/SJ
 Sample : K2013-12
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW070-031819

Quant Time: Mar 22 22:21:51 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	1674	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	7775	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	5152	0.40	ng	-0.01
19) Phenanthrene-d10	17.09	188	13762	0.40	ng	0.00
27) Chrysene-d12	21.29	240	19233	0.40	ng	0.00
34) Perylene-d12	23.54	264	22154	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.29	112	3592	0.79	ng	0.00
5) Phenol-d6	6.87	99	6478	1.14	ng	0.00
8) Nitrobenzene-d5	8.87	82	2528	0.49	ng	0.00
11) 2-Methylnaphthalene-d10	12.08	152	4440	0.33	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	6027	1.69	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	14679	0.69	ng	-0.01
25) Fluoranthene-d10	19.13	212	15088	0.33	ng	0.00
29) Terphenyl-d14	19.72	244	51410	1.31	ng	0.00

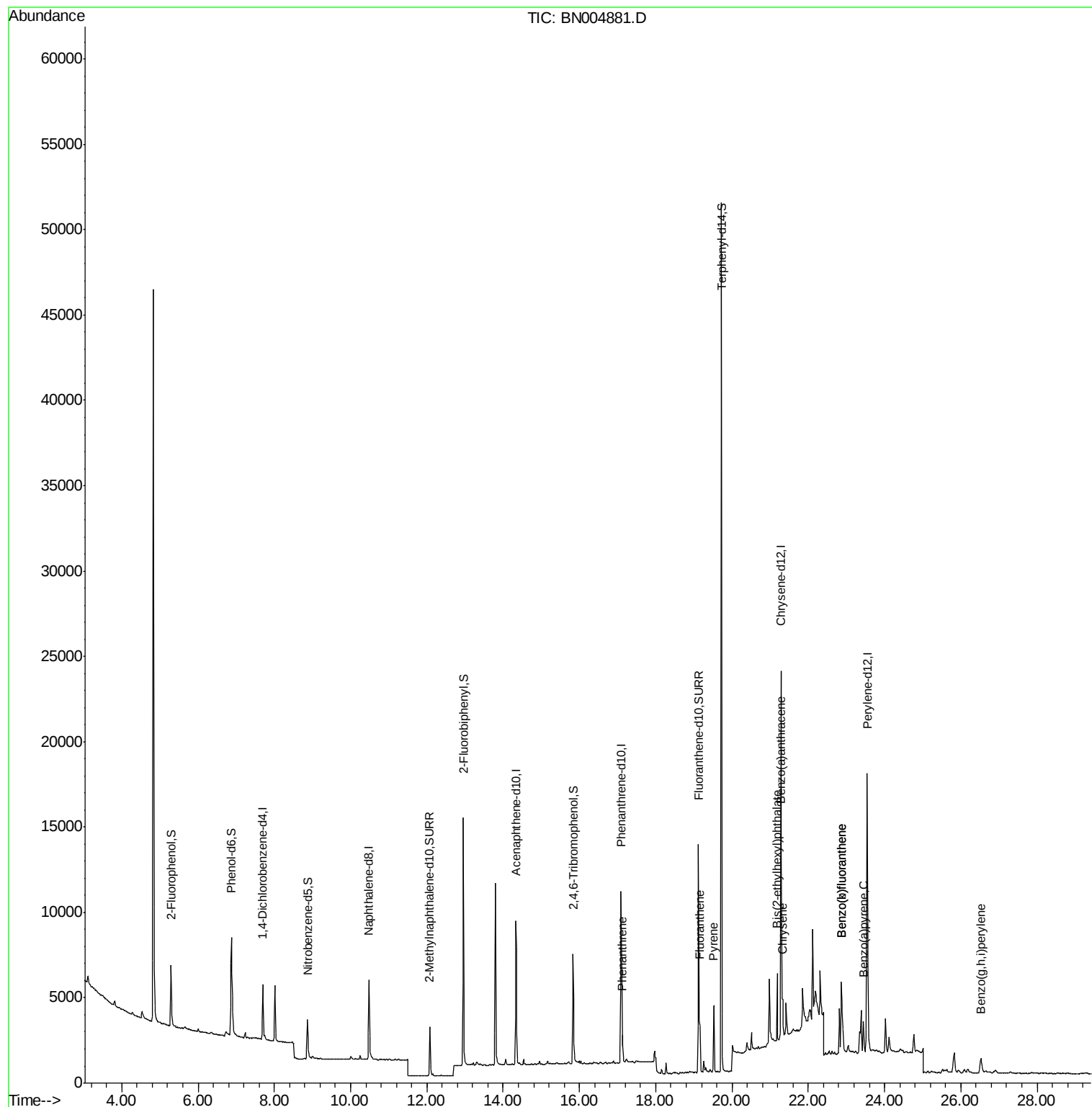
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
23) Phenanthrene	17.13	178	1598	0.036	ng	97
26) Fluoranthene	19.16	202	3539	0.062	ng	# 96
28) Pyrene	19.53	202	3741	0.064	ng	# 98
30) Benzo(a)anthracene	21.28	228	2283	0.036	ng	# 88
31) Chrysene	21.33	228	2251	0.034	ng	# 89
32) Bis(2-ethylhexyl)phthalate	21.18	149	3283	0.130	ng	# 99
35) Benzo(b)fluoranthene	22.87	252	3482	0.043	ng	# 1
36) Benzo(k)fluoranthene	22.87	252	3482	0.044	ng	# 1
37) Benzo(a)pyrene	23.45	252	2454	0.033	ng	# 44
39) Benzo(a,h,i)perylene	26.52	276	1948	0.022	ng	# 76

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

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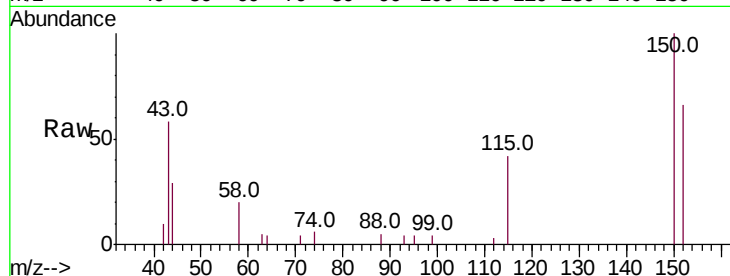


#1

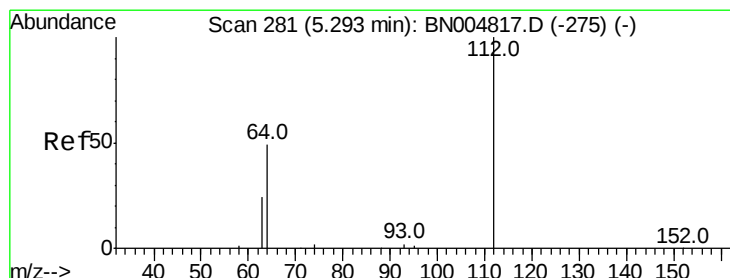
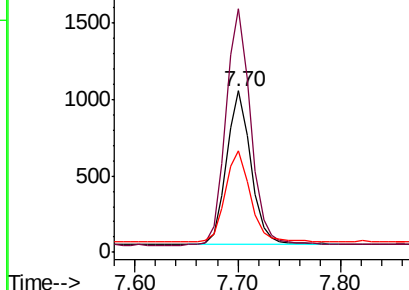
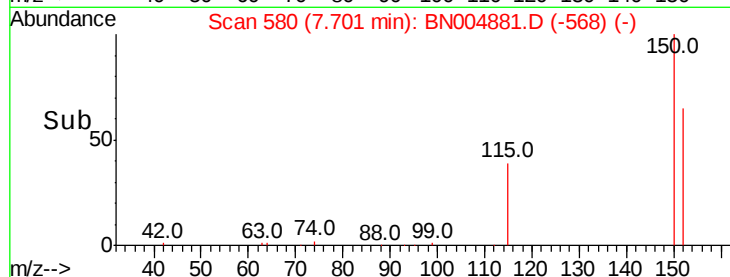
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.70 min Scan# 580
Delta R.T. -0.00 min
Lab File: BN004881.D
Acq: 22 Mar 2019 09:30

Instrument :
BNA_N
ClientSampleId :
PST-026-SW070-031819

Tot Ion:152 Resp: 1674
Ion Ratio Lower Upper
152 100
150 150.7 126.2 189.4
115 63.0 52.6 79.0



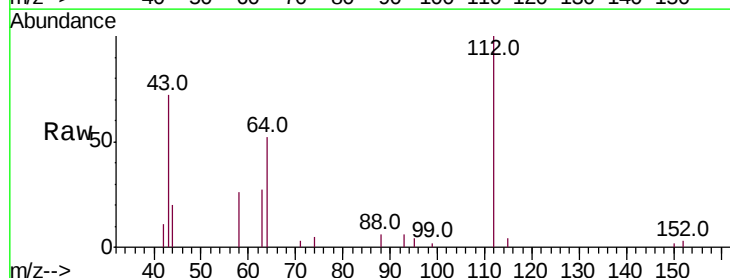
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



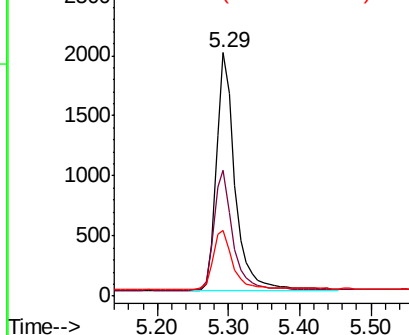
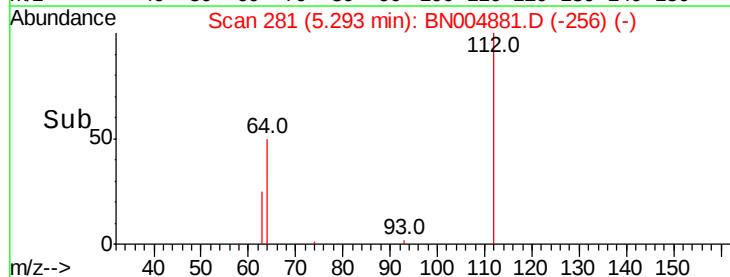
#4

2-Fluorophenol
Concen: 0.789 ng
RT: 5.29 min Scan# 281
Delta R.T. -0.00 min
Lab File: BN004881.D
Acq: 22 Mar 2019 09:30

Tgt Ion:112 Resp: 3592
Ion Ratio Lower Upper
112 100
64 51.2 40.0 60.0
63 25.8 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: 1.144 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004881.D

Acq: 22 Mar 2019 09:30

Instrument :

BNA_N

ClientSampleId :

PST-026-SW070-031819

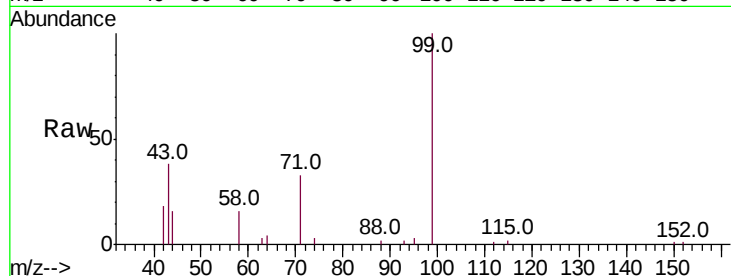
Tot Ion: 99 Resp: 6478

Ion Ratio Lower Upper

99 100

42 16.3 12.7 19.1

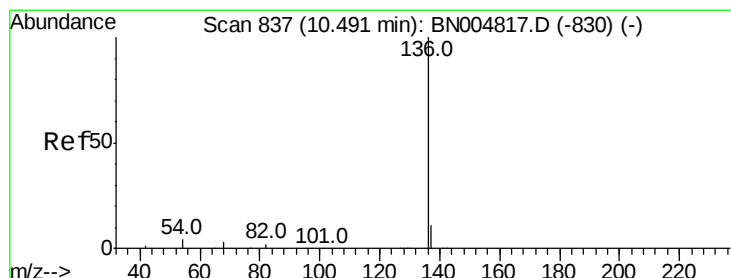
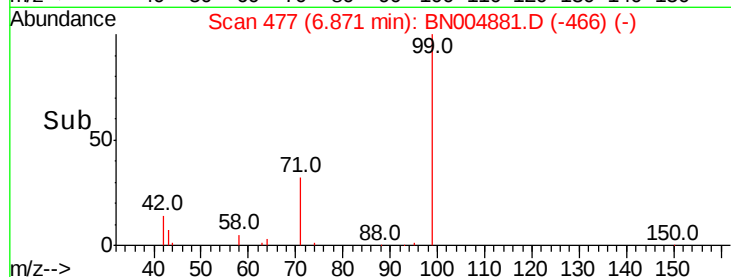
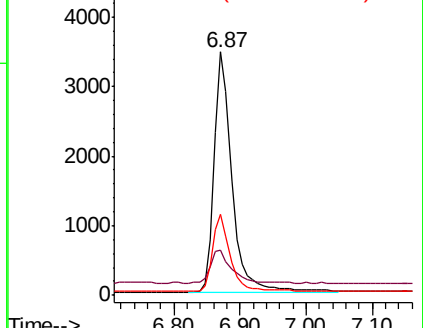
71 32.1 26.6 40.0



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: BN004881.D

Acq: 22 Mar 2019 09:30

Tgt Ion: 136 Resp: 7775

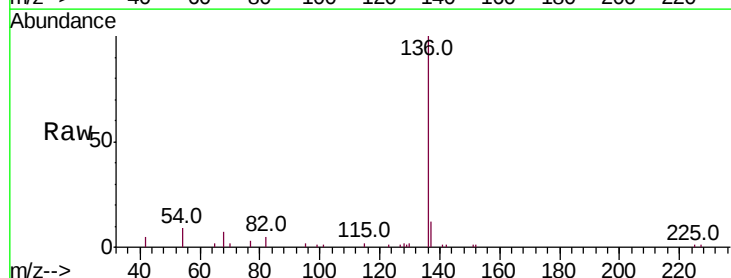
Ion Ratio Lower Upper

136 100

137 12.2 9.6 14.4

54 8.7 4.2 6.2#

68 7.3 3.9 5.9#

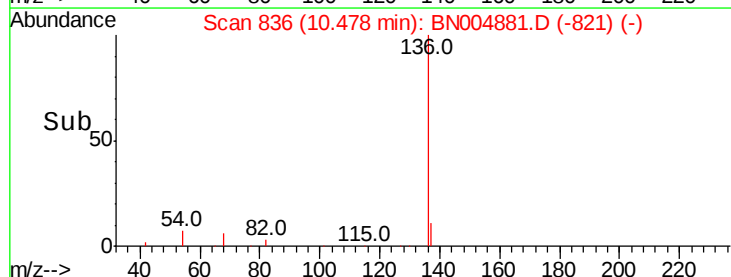
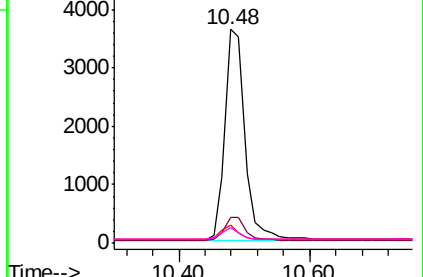


Abundance Ion 136.00 (135.70 to 136.70): BN004817.D (-830) (-)

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: 0.492 ng

RT: 8.87 min Scan# 709

Delta R.T. -0.00 min

Lab File: BN004881.D

Acq: 22 Mar 2019 09:30

Instrument :

BNA_N

ClientSampleId :

PST-026-SW070-031819

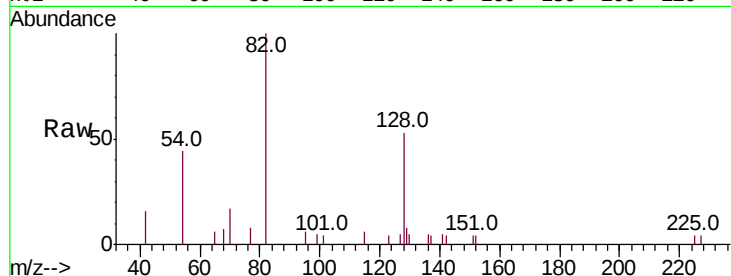
Tot Ion: 82 Resp: 2528

Ion Ratio Lower Upper

82 100

128 53.4 43.0 64.6

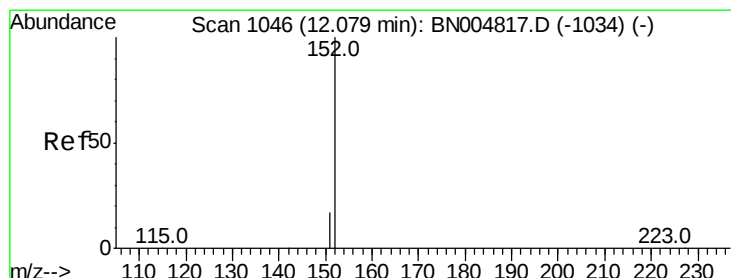
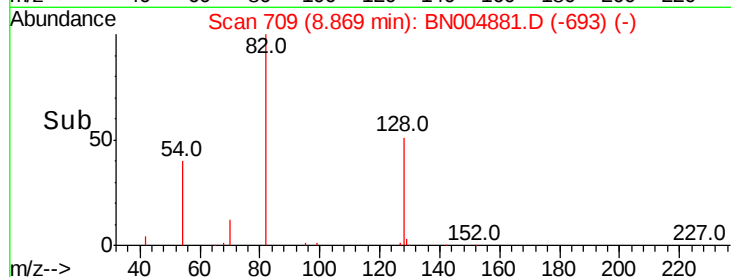
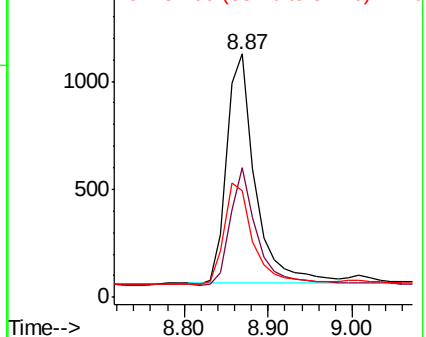
54 43.7 35.3 52.9



Abundance Ion 82.00 (81.70 to 82.70): BN004881.D (-693) (-)

Ion 128.00 (127.70 to 128.70): BN004881.D (-693) (-)

Ion 54.00 (53.70 to 54.70): BN004881.D (-693) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.327 ng

RT: 12.08 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BN004881.D

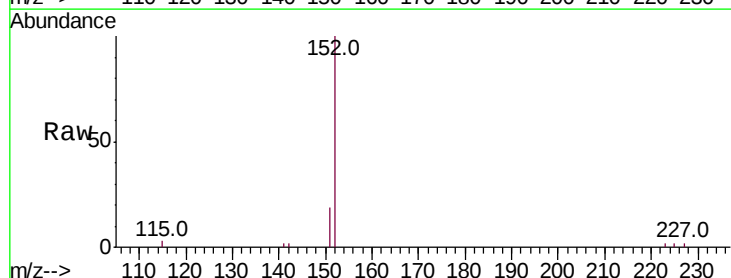
Acq: 22 Mar 2019 09:30

Tgt Ion: 152 Resp: 4440

Ion Ratio Lower Upper

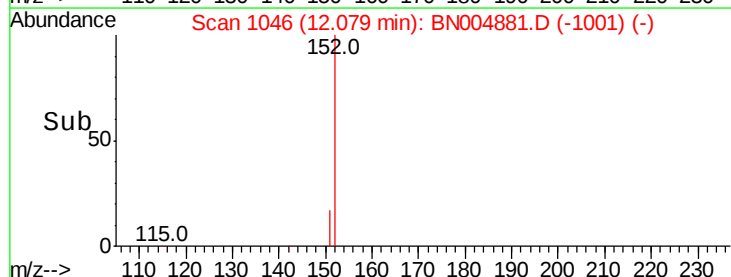
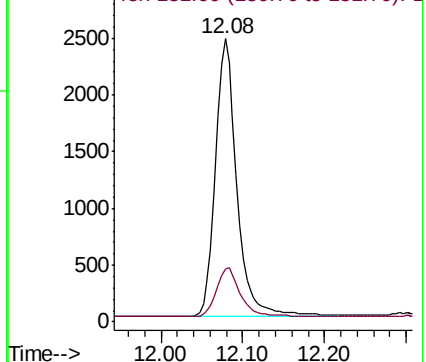
152 100

151 19.2 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): BN004881.D (-1001) (-)

Ion 151.00 (150.70 to 151.70): BN004881.D (-1001) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004881.D

Acq: 22 Mar 2019 09:30

Instrument :

BNA_N

ClientSampleId :

PST-026-SW070-031819

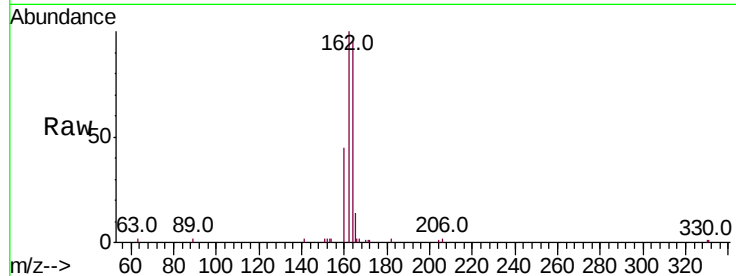
Tot Ion:164 Resp: 5152

Ion Ratio Lower Upper

164 100

162 105.6 81.9 122.9

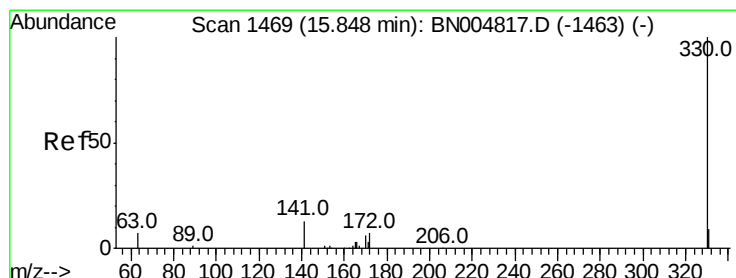
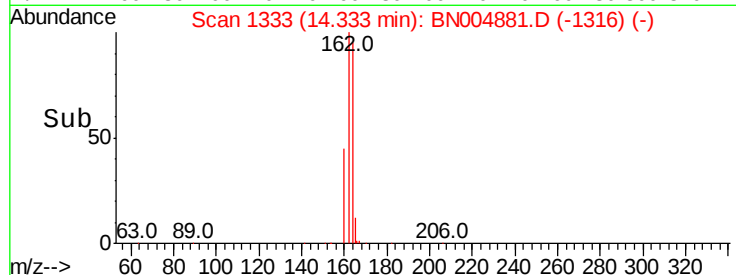
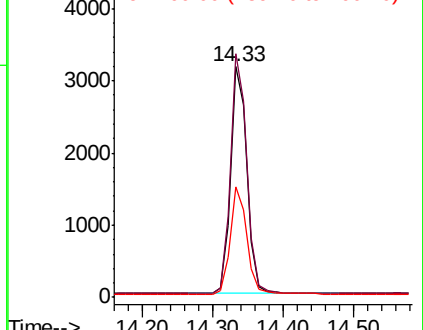
160 48.0 36.6 54.8



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: 1.694 ng

RT: 15.84 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BN004881.D

Acq: 22 Mar 2019 09:30

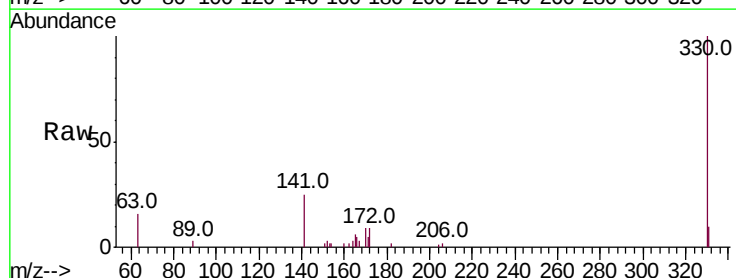
Tgt Ion:330 Resp: 6027

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

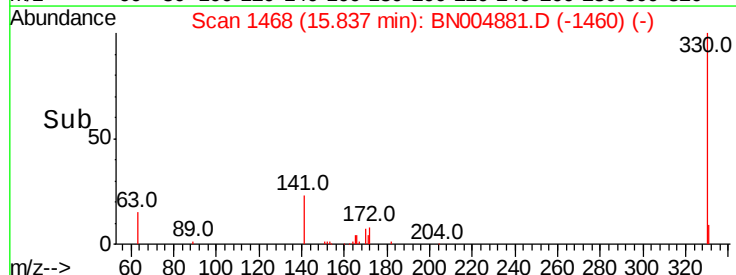
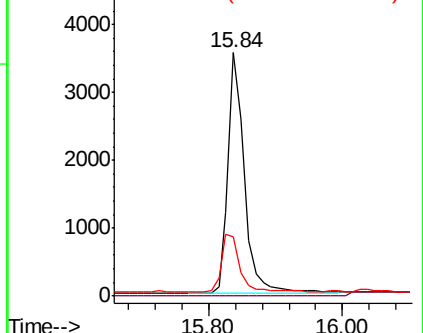
141 27.2 20.9 31.3



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: 0.689 ng

RT: 12.95 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BN004881.D

Acq: 22 Mar 2019 09:30

Instrument :

BNA_N

ClientSampleId :

PST-026-SW070-031819

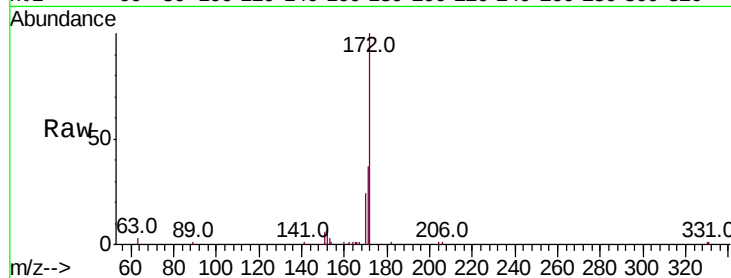
Tot Ion:172 Resp: 14679

Ion Ratio Lower Upper

172 100

171 36.5 28.7 43.1

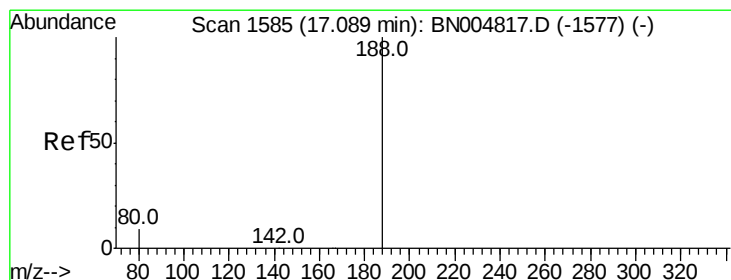
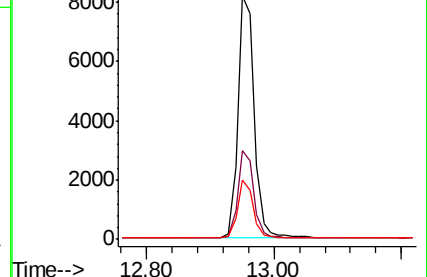
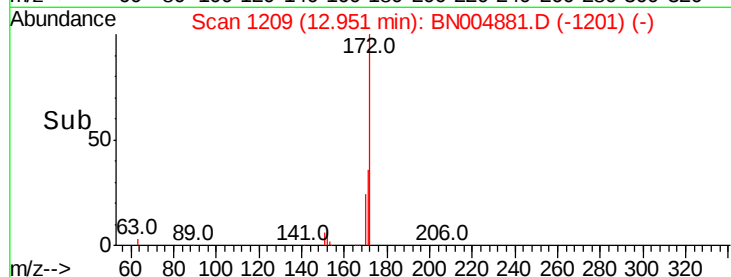
170 24.5 18.7 28.1



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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.09 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BN004881.D

Acq: 22 Mar 2019 09:30

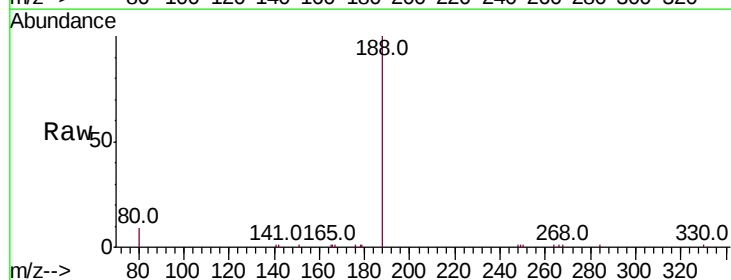
Tgt Ion:188 Resp: 13762

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

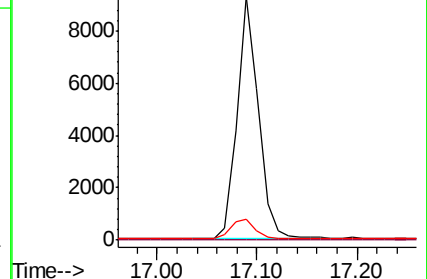
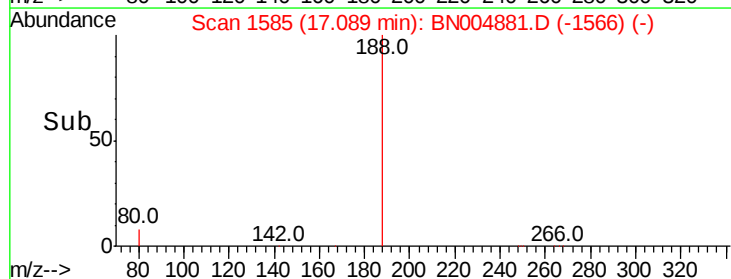
80 8.8 7.4 11.2

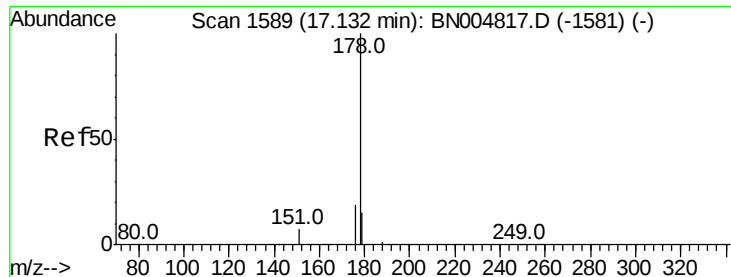


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#23

Phenanthrene

Concen: 0.036 ng

RT: 17.13 min Scan# 1589

Delta R.T. -0.00 min

Lab File: BN004881.D

Acq: 22 Mar 2019 09:30

Instrument :

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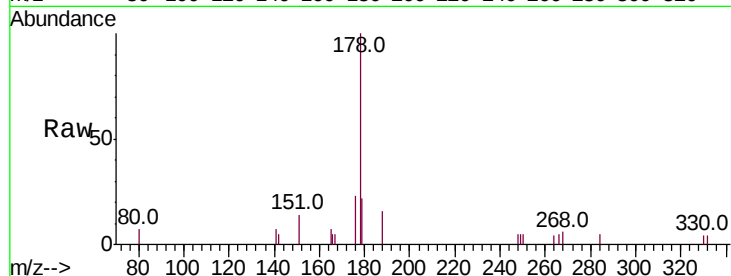
Tot Ion:178 Resp: 1598

Ion Ratio Lower Upper

178 100

176 19.0 14.9 22.3

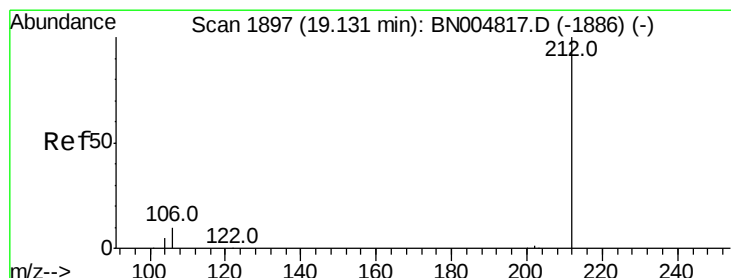
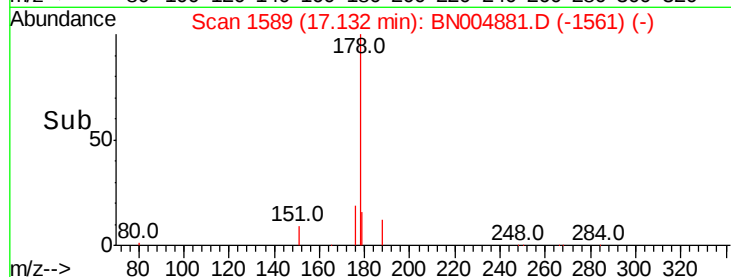
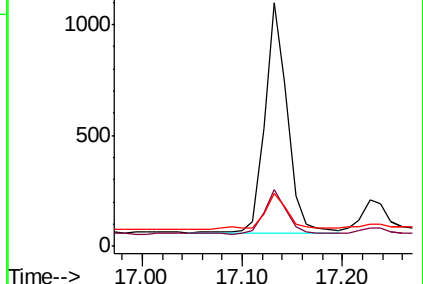
179 17.1 12.1 18.1



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



#25

Fluoranthene-d10

Concen: 0.327 ng

RT: 19.13 min Scan# 1896

Delta R.T. -0.01 min

Lab File: BN004881.D

Acq: 22 Mar 2019 09:30

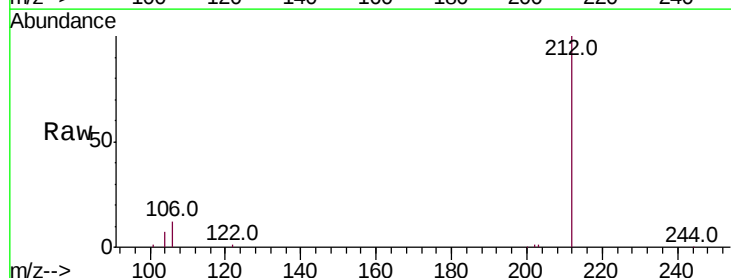
Tgt Ion:212 Resp: 15088

Ion Ratio Lower Upper

212 100

106 11.3 8.6 13.0

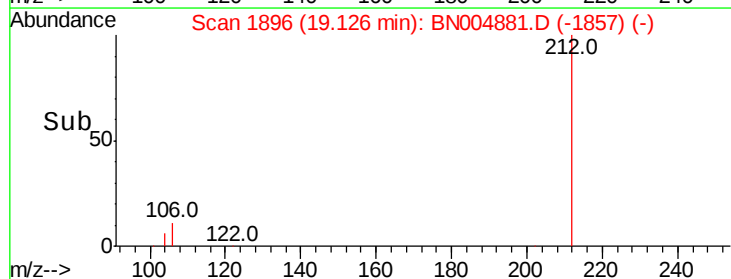
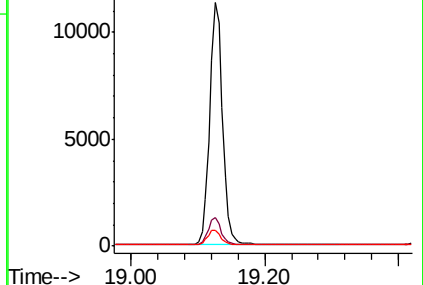
104 6.2 4.7 7.1

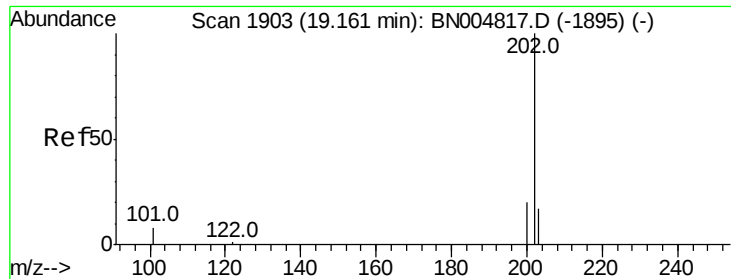


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

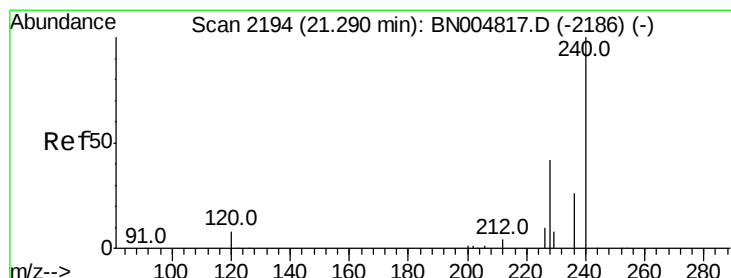
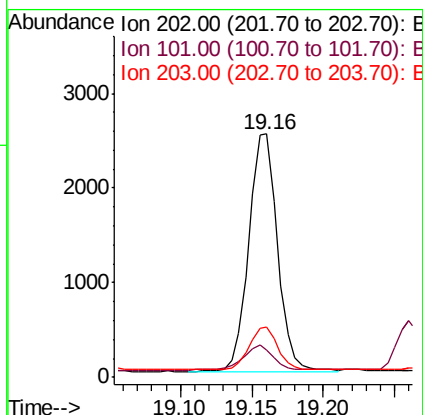
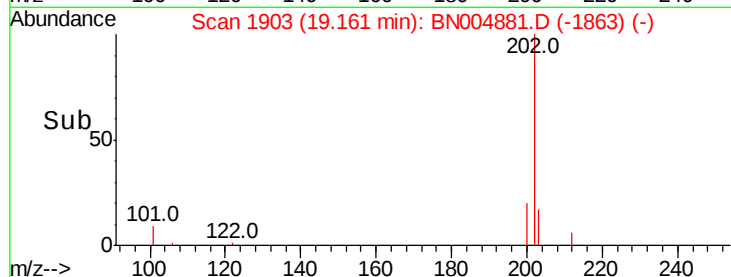
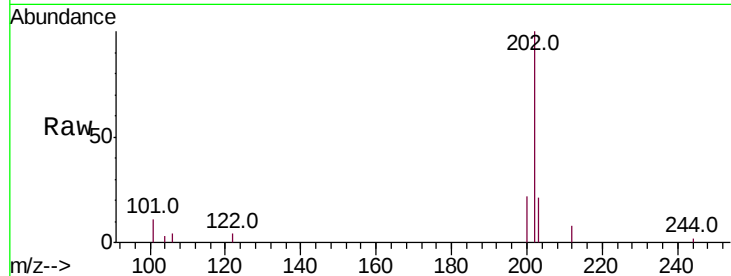




#26
Fluoranthene
Concen: 0.062 ng
RT: 19.16 min Scan# 1903
Delta R.T. -0.00 min
Lab File: BN004881.D
Acq: 22 Mar 2019 09:30

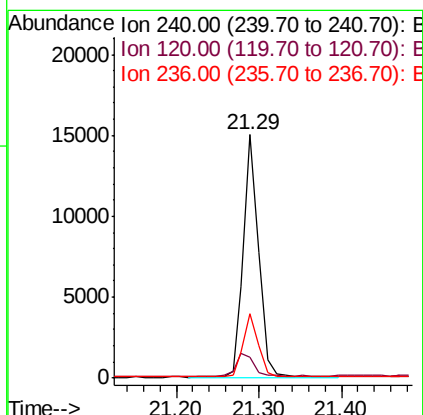
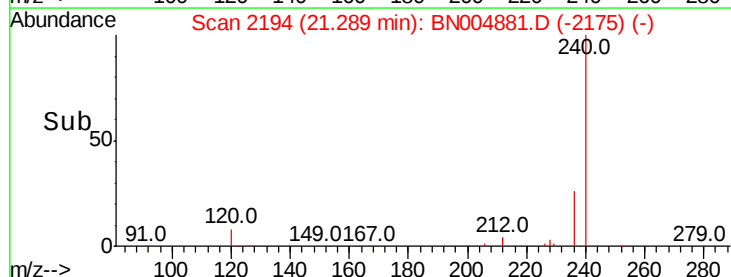
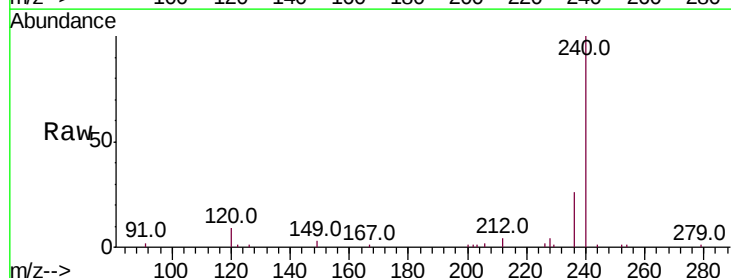
Instrument :
BNA_N
ClientSampleId :
PST-026-SW070-031819

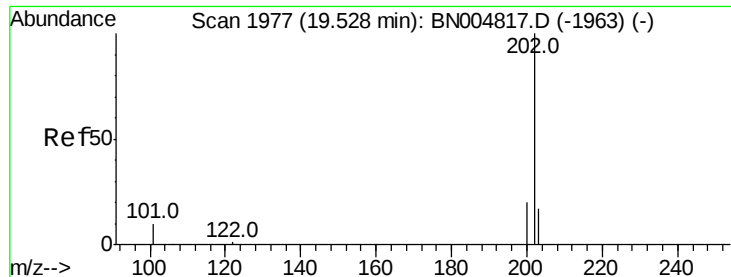
Tot Ion:202 Resp: 3539
Ion Ratio Lower Upper
202 100
101 12.5 7.5 11.3#
203 17.8 13.8 20.6



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.29 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BN004881.D
Acq: 22 Mar 2019 09:30

Tgt Ion:240 Resp: 19233
Ion Ratio Lower Upper
240 100
120 8.5 7.2 10.8
236 26.3 20.9 31.3

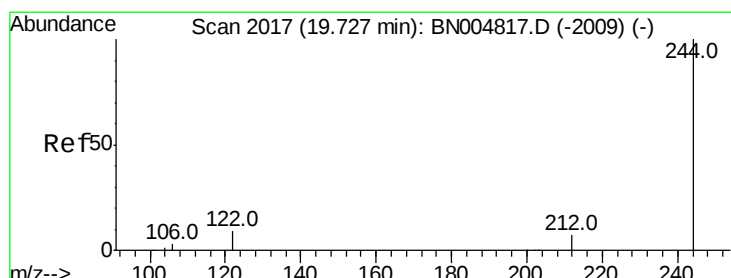
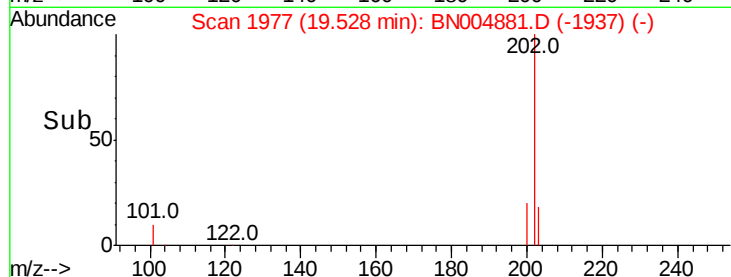
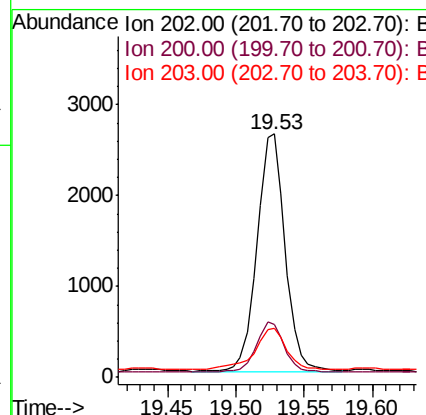
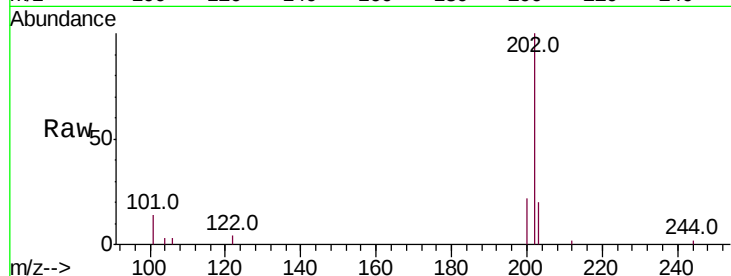




#28
Pvrene
Concen: 0.064 ng
RT: 19.53 min Scan# 1977
Delta R.T. -0.00 min
Lab File: BN004881.D
Acq: 22 Mar 2019 09:30

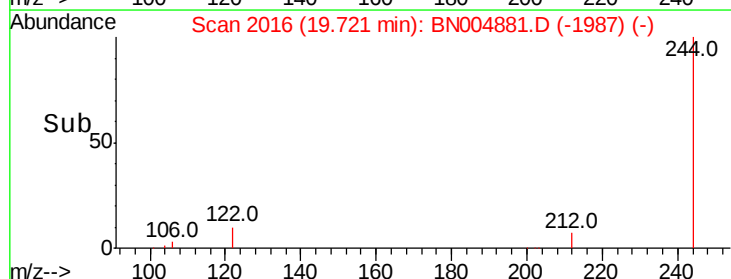
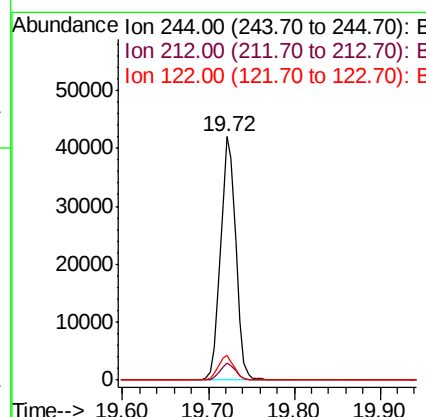
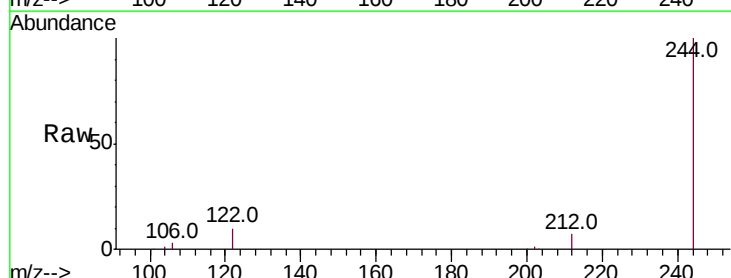
Instrument :
BNA_N
ClientSampleId :
PST-026-SW070-031819

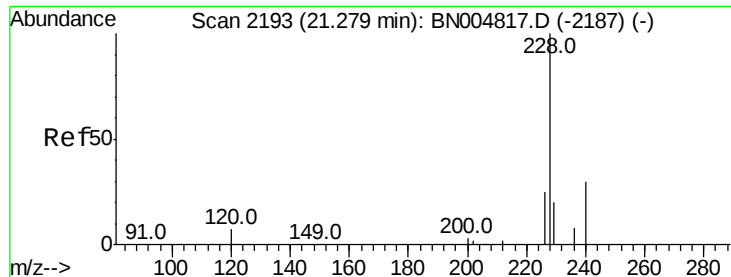
Tot Ion:202 Resp: 3741
Ion Ratio Lower Upper
202 100
200 20.4 16.3 24.5
203 19.8 14.0 21.0



#29
Terphenyl-d14
Concen: 1.306 ng
RT: 19.72 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BN004881.D
Acq: 22 Mar 2019 09:30

Tgt Ion:244 Resp: 51410
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.6
122 10.0 7.9 11.9





#30

Benzo(a)anthracene

Concen: 0.036 ng

RT: 21.28 min Scan# 2193

Delta R.T. -0.00 min

Lab File: BN004881.D

Acq: 22 Mar 2019 09:30

Instrument :

BNA_N

ClientSampleId :

PST-026-SW070-031819

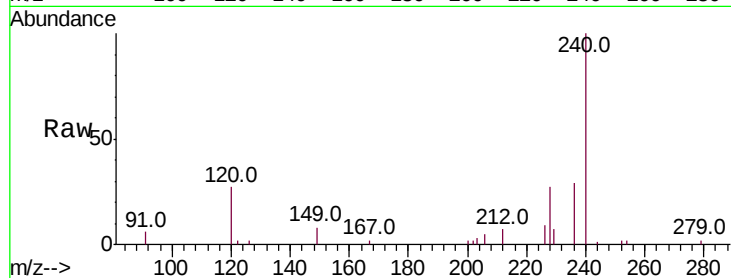
Tot Ion:228 Resp: 2283

Ion Ratio Lower Upper

228 100

226 32.1 20.6 31.0#

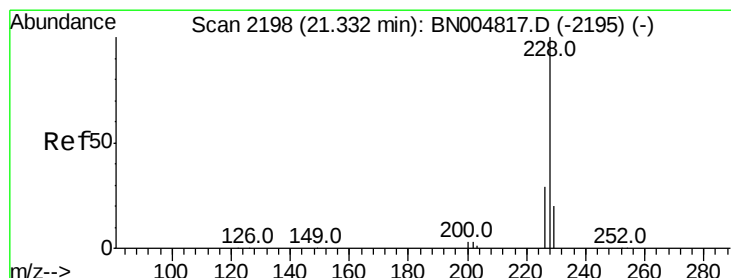
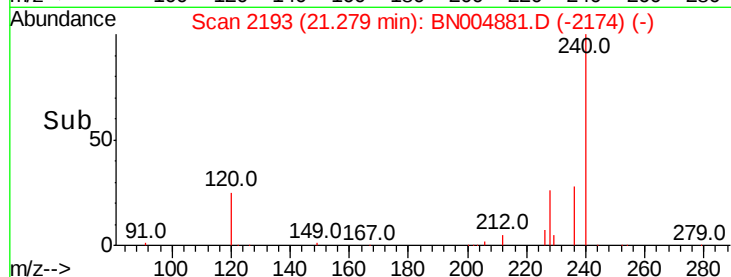
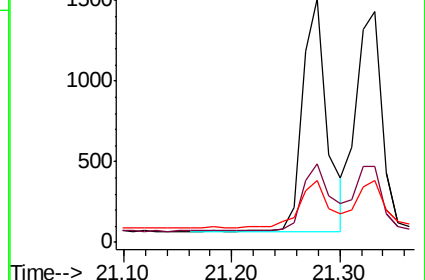
229 25.5 16.2 24.4#



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: 0.034 ng

RT: 21.33 min Scan# 2198

Delta R.T. -0.00 min

Lab File: BN004881.D

Acq: 22 Mar 2019 09:30

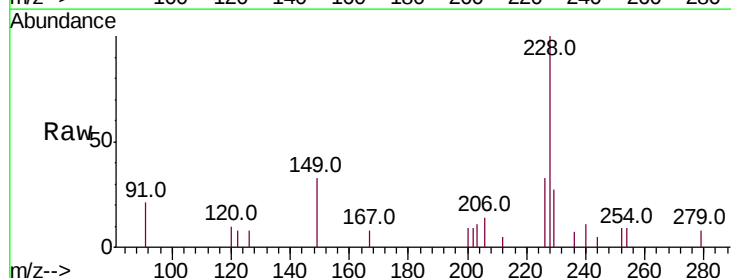
Tgt Ion:228 Resp: 2251

Ion Ratio Lower Upper

228 100

226 32.8 23.0 34.6

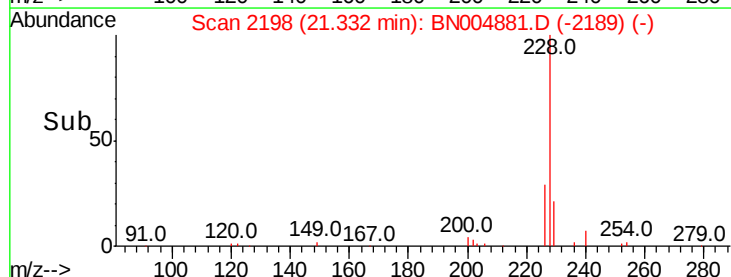
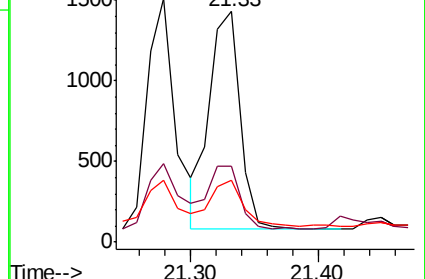
229 27.1 16.2 24.2#

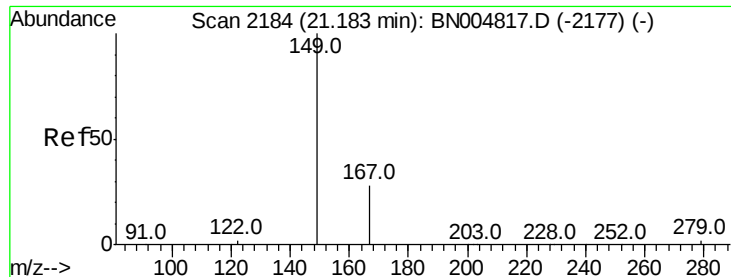


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.130 ng

RT: 21.18 min Scan# 2184

Delta R.T. -0.00 min

Lab File: BN004881.D

Acq: 22 Mar 2019 09:30

Instrument :

BNA_N

ClientSampleId :

PST-026-SW070-031819

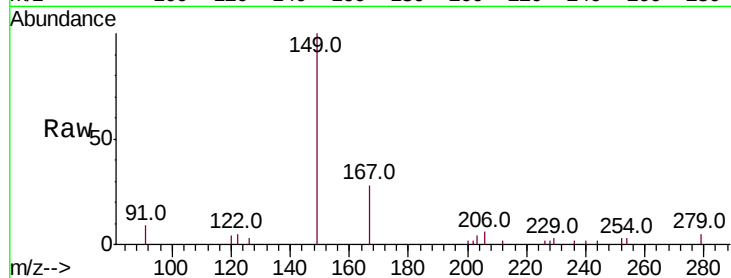
Tot Ion:149 Resp: 3283

Ion Ratio Lower Upper

149 100

167 27.9 23.0 34.4

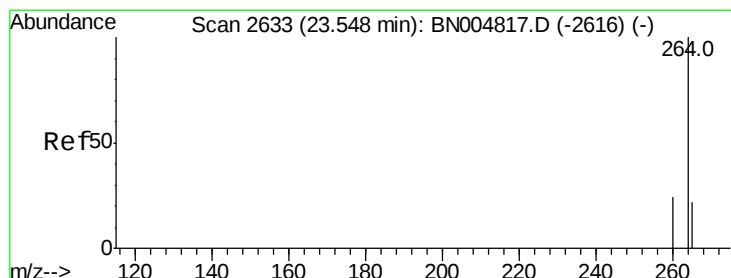
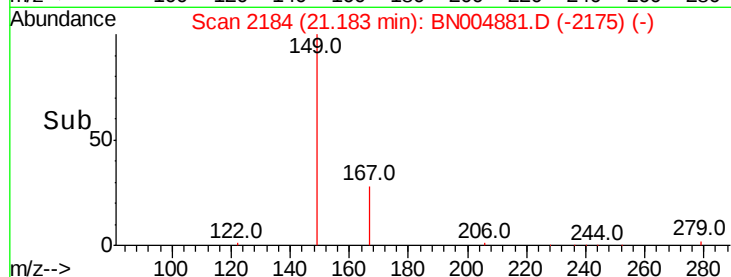
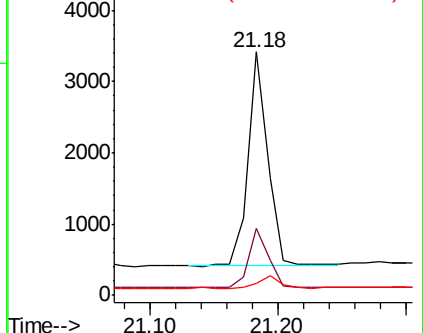
279 6.2 4.6 6.8



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.54 min Scan# 2632

Delta R.T. -0.00 min

Lab File: BN004881.D

Acq: 22 Mar 2019 09:30

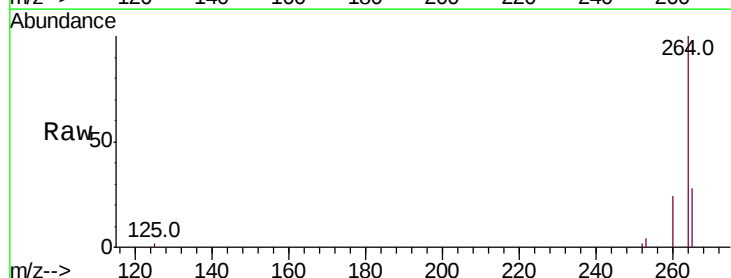
Tgt Ion:264 Resp: 22154

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

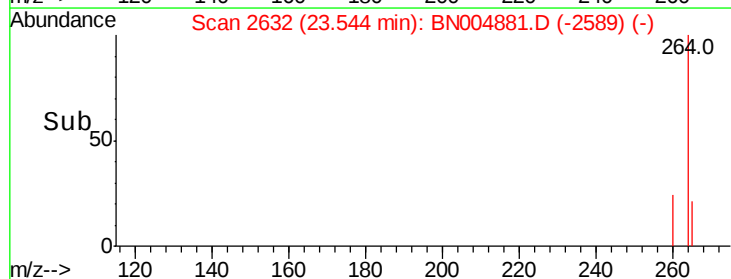
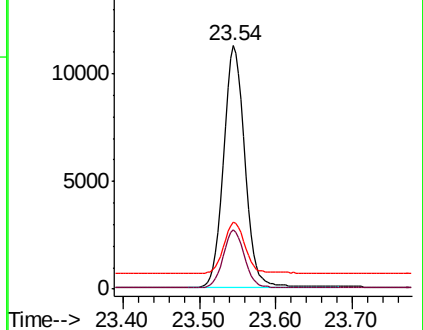
265 27.6 23.1 34.7

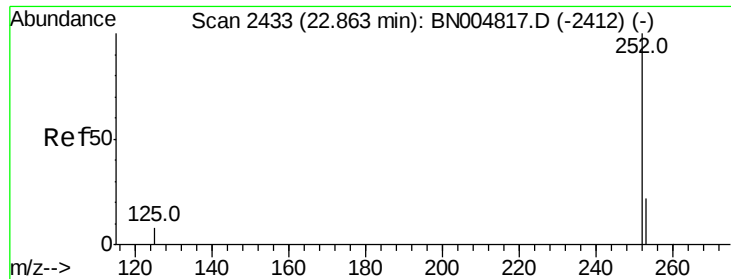


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.043 ng

RT: 22.87 min Scan# 2435

Delta R.T. 0.01 min

Lab File: BN004881.D

Acq: 22 Mar 2019 09:30

Instrument :

BNA_N

ClientSampleId :

PST-026-SW070-031819

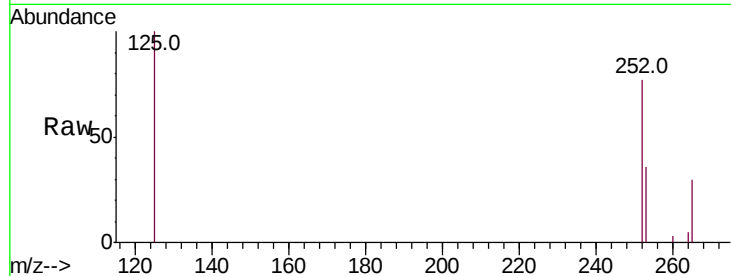
Tot Ion:252 Resp: 3482

Ion Ratio Lower Upper

252 100

253 45.9 19.0 28.4#

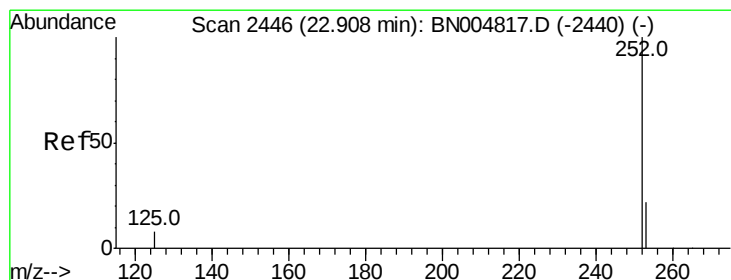
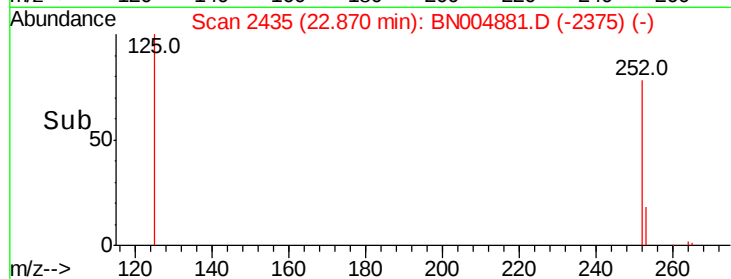
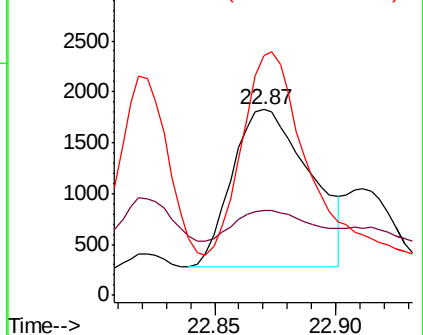
125 129.4 7.4 11.2#



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: 0.044 ng

RT: 22.87 min Scan# 2435

Delta R.T. -0.04 min

Lab File: BN004881.D

Acq: 22 Mar 2019 09:30

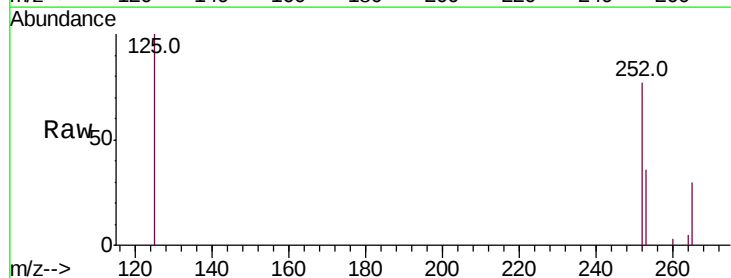
Tgt Ion:252 Resp: 3482

Ion Ratio Lower Upper

252 100

253 45.9 19.3 28.9#

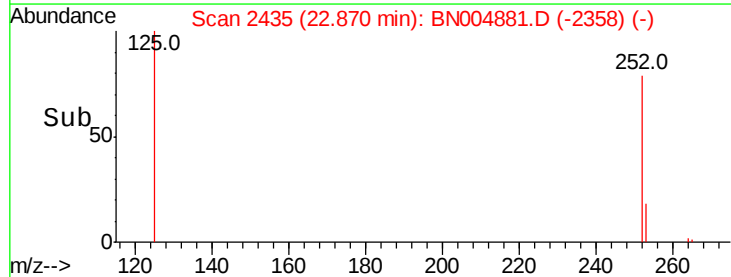
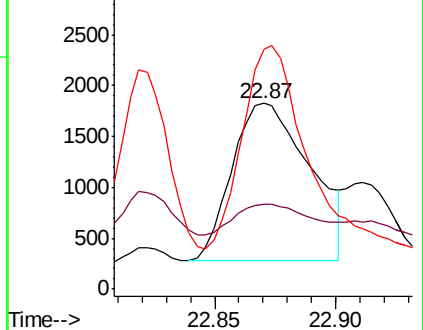
125 129.4 7.4 11.0#

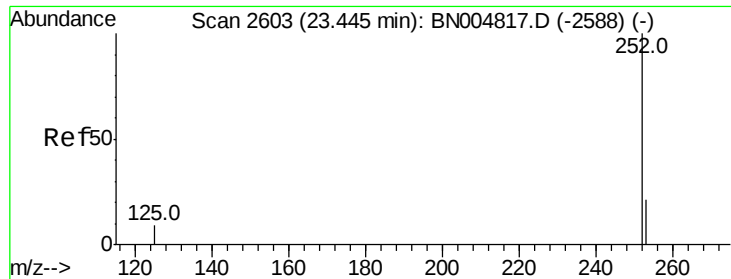


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.033 ng

RT: 23.45 min Scan# 2604

Delta R.T. 0.00 min

Lab File: BN004881.D

Acq: 22 Mar 2019 09:30

Instrument :

BNA_N

ClientSampleId :

PST-026-SW070-031819

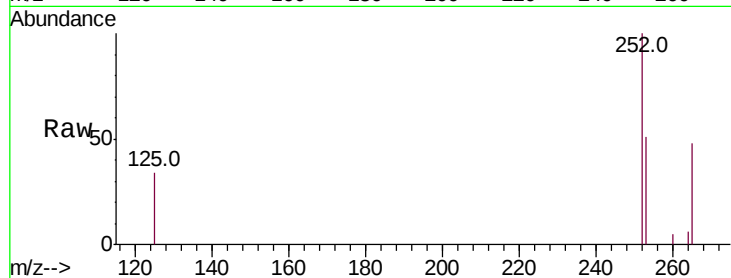
Tot Ion:252 Resp: 2454

Ion Ratio Lower Upper

252 100

253 51.3 19.7 29.5#

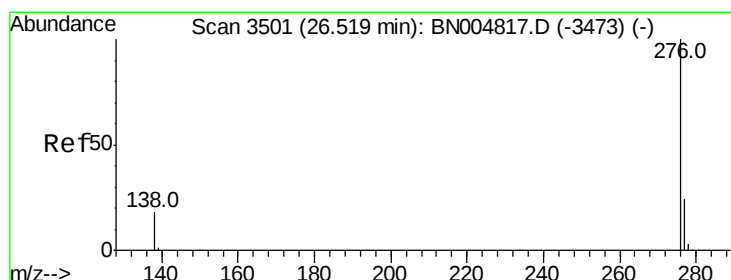
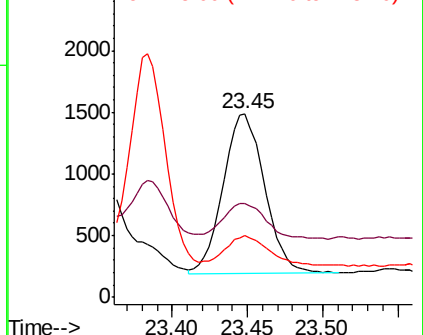
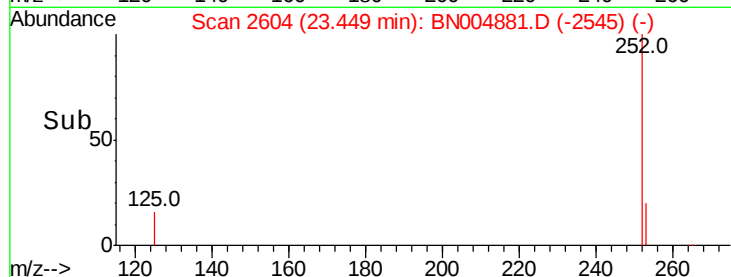
125 33.6 8.3 12.5#



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



#39

Benzo(g,h,i)perylene

Concen: 0.022 ng

RT: 26.52 min Scan# 3502

Delta R.T. 0.00 min

Lab File: BN004881.D

Acq: 22 Mar 2019 09:30

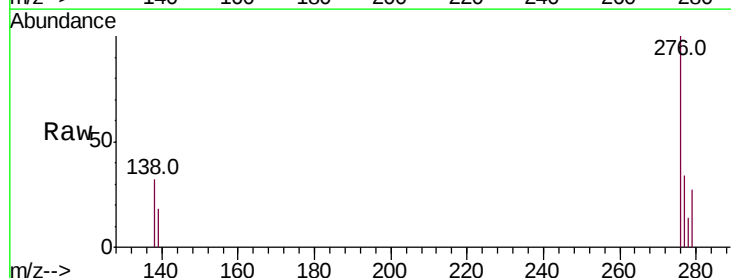
Tgt Ion:276 Resp: 1948

Ion Ratio Lower Upper

276 100

277 33.8 19.7 29.5#

138 32.3 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

