

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004883.D
 Acq On : 22 Mar 2019 11:16
 Operator : JU/SJ
 Sample : K2013-19
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW035-031819

Quant Time: Mar 22 22:18:18 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	2828	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	12988	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	8144	0.40	ng	-0.01
19) Phenanthrene-d10	17.09	188	20741	0.40	ng	0.00
27) Chrysene-d12	21.29	240	26786	0.40	ng	0.00
34) Perylene-d12	23.54	264	28063	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.29	112	3407	0.44	ng	0.00
5) Phenol-d6	6.87	99	4611	0.48	ng	0.00
8) Nitrobenzene-d5	8.86	82	3225	0.38	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	8225	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	1950	0.35	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	12519	0.37	ng	-0.01
25) Fluoranthene-d10	19.13	212	23396	0.34	ng	0.00
29) Terphenyl-d14	19.72	244	16553	0.30	ng	0.00

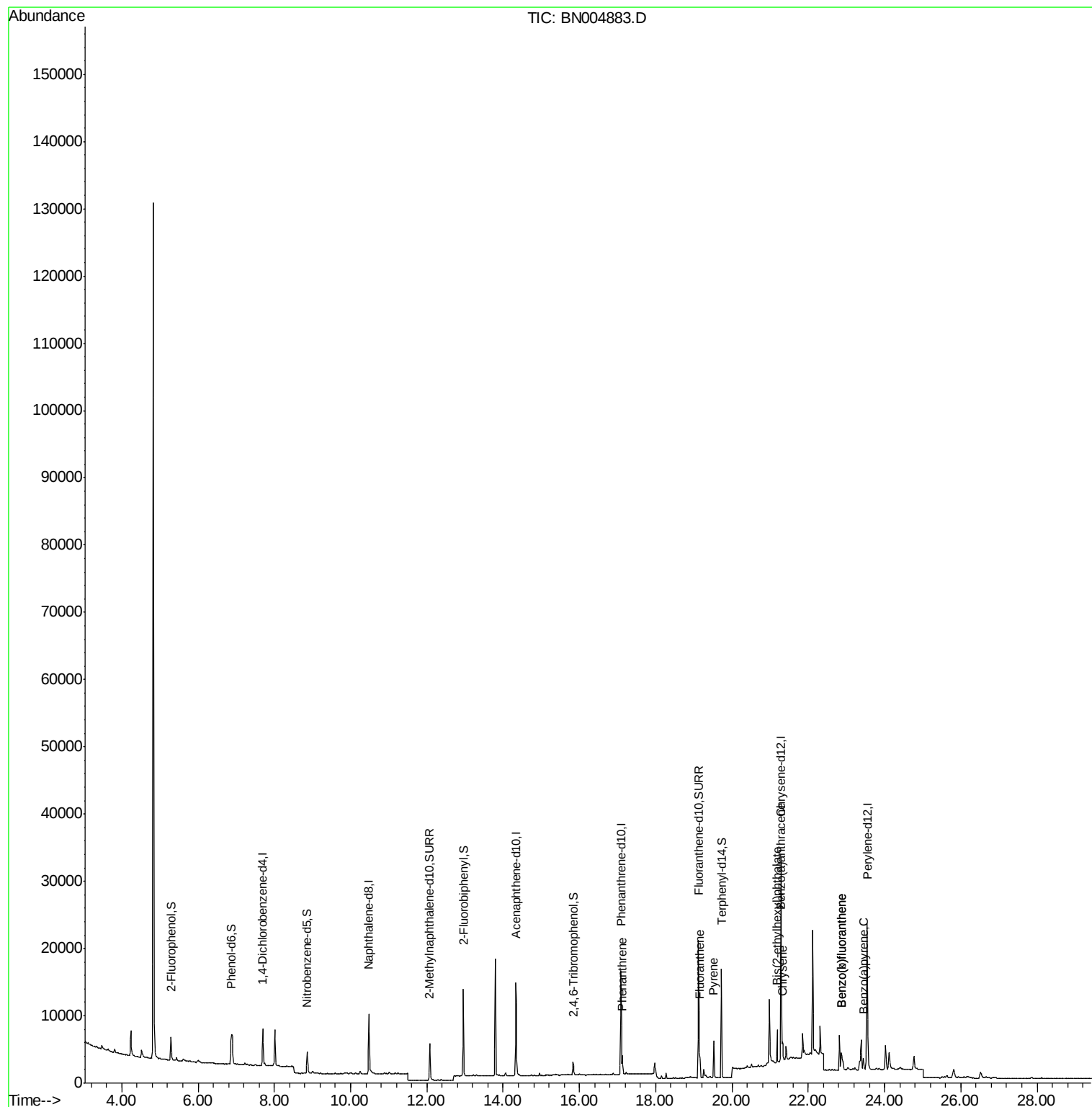
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
23) Phenanthrene	17.13	178	2787	0.042	ng	98
26) Fluoranthene	19.16	202	4198	0.049	ng	# 95
28) Pyrene	19.52	202	5003	0.061	ng	98
30) Benzo(a)anthracene	21.28	228	2125	0.024	ng	# 83
31) Chrysene	21.32	228	2854	0.031	ng	# 89
32) Bis(2-ethylhexyl)phthalate	21.18	149	4176	0.119	ng	98
35) Benzo(b)fluoranthene	22.87	252	3074	0.030	ng	# 30
36) Benzo(k)fluoranthene	22.87	252	3074	0.031	ng	# 32
37) Benzo(a)pyrene	23.45	252	2255	0.024	ng	# 40

(#) = 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: BN004883.D

Acq: 22 Mar 2019 11:16

Instrument :

BNA_N

ClientSampleId :

PST-026-SW035-031819

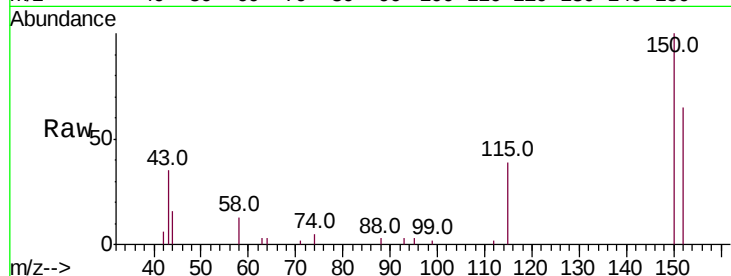
Tot Ion:152 Resp: 2828

Ion Ratio Lower Upper

152 100

150 152.7 126.2 189.4

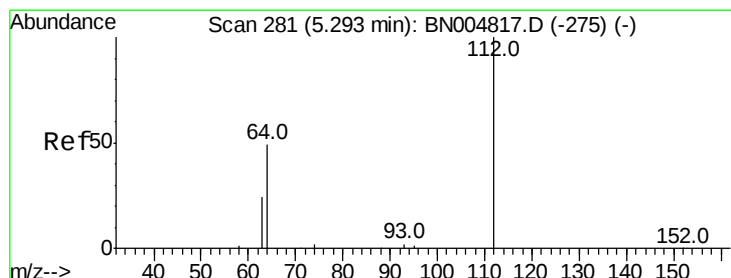
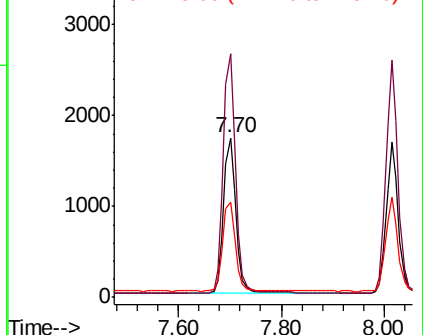
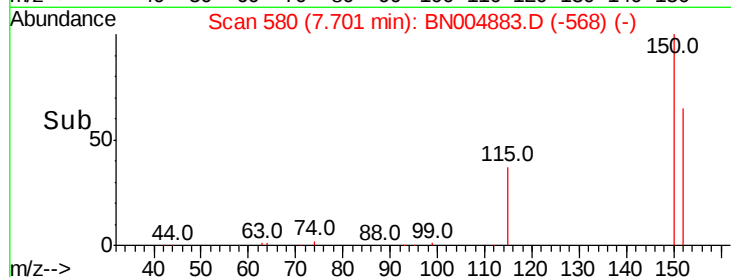
115 59.9 52.6 79.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol

Concen: 0.443 ng

RT: 5.29 min Scan# 281

Delta R.T. 0.00 min

Lab File: BN004883.D

Acq: 22 Mar 2019 11:16

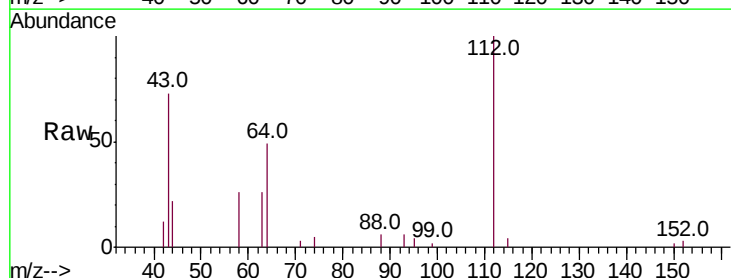
Tgt Ion:112 Resp: 3407

Ion Ratio Lower Upper

112 100

64 50.7 40.0 60.0

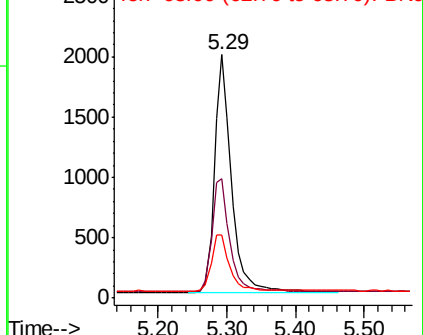
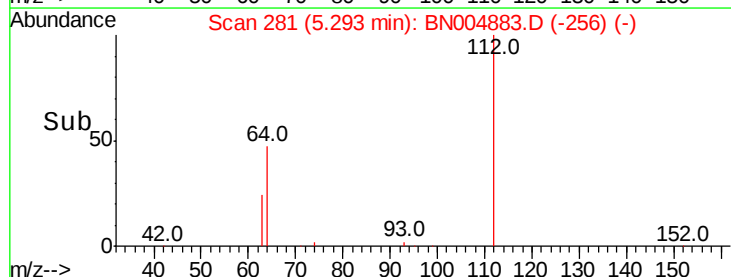
63 25.5 20.2 30.2

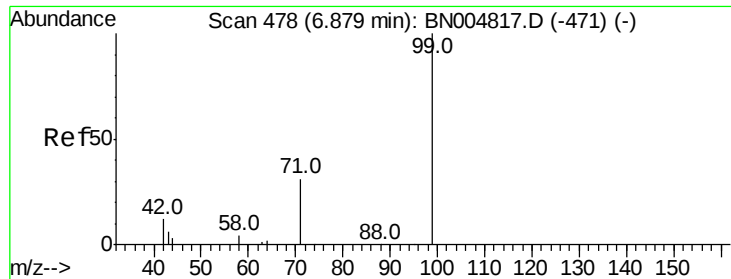


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.482 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004883.D

Acq: 22 Mar 2019 11:16

Instrument :

BNA_N

ClientSampleId :

PST-026-SW035-031819

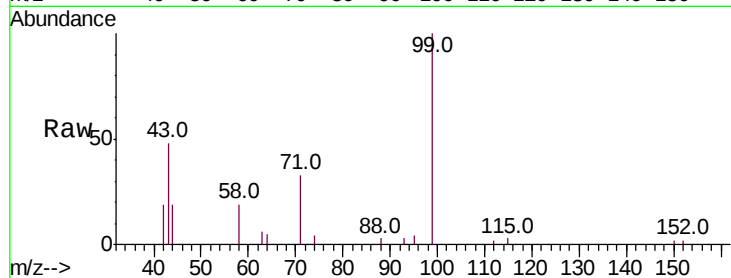
Tot Ion: 99 Resp: 4611

Ion Ratio Lower Upper

99 100

42 19.8 12.7 19.1#

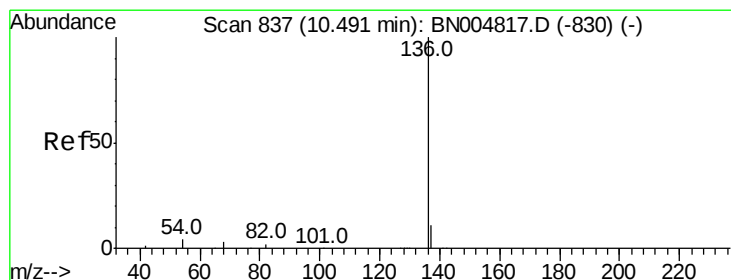
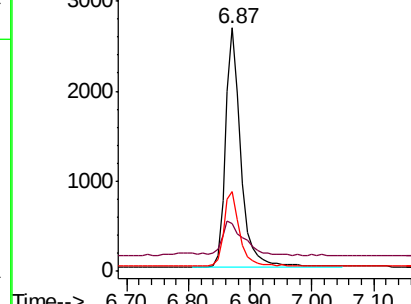
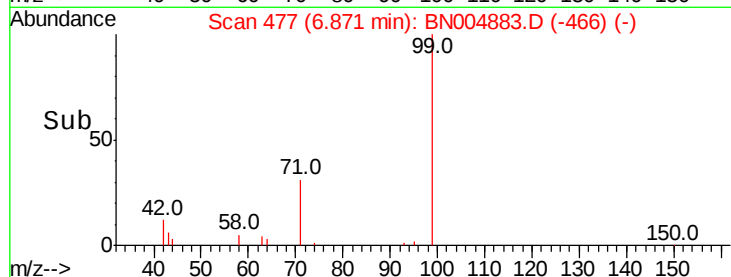
71 32.1 26.6 40.0



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: BN004883.D

Acq: 22 Mar 2019 11:16

Tgt Ion:136 Resp: 12988

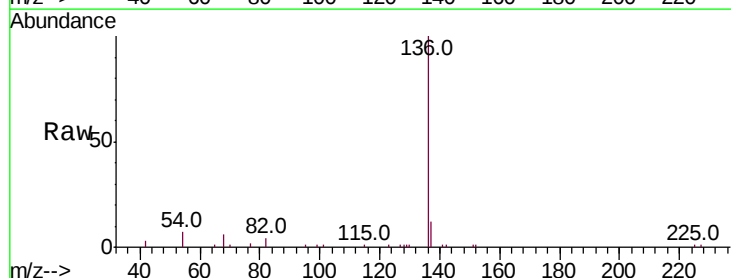
Ion Ratio Lower Upper

136 100

137 11.6 9.6 14.4

54 7.1 4.2 6.2#

68 6.3 3.9 5.9#

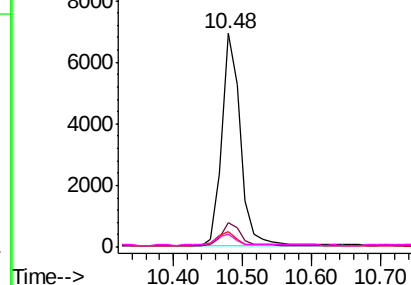
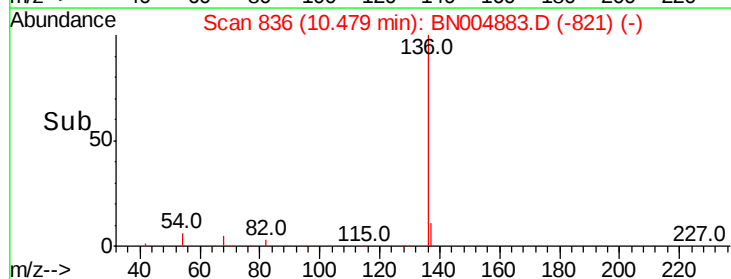


Abundance Ion 136.00 (135.70 to 136.70): BN004817.D (-830) (-)

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: 0.375 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004883.D

Acq: 22 Mar 2019 11:16

Instrument :

BNA_N

ClientSampleId :

PST-026-SW035-031819

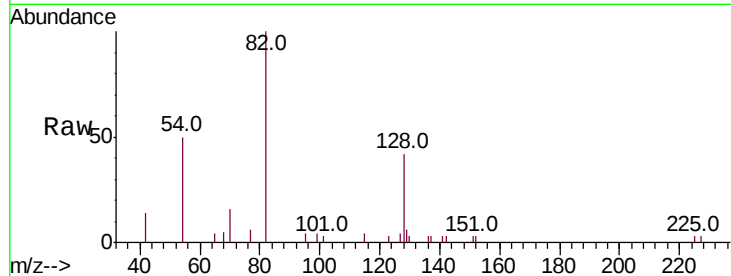
Tot Ion: 82 Resp: 3225

Ion Ratio Lower Upper

82 100

128 42.4 43.0 64.6#

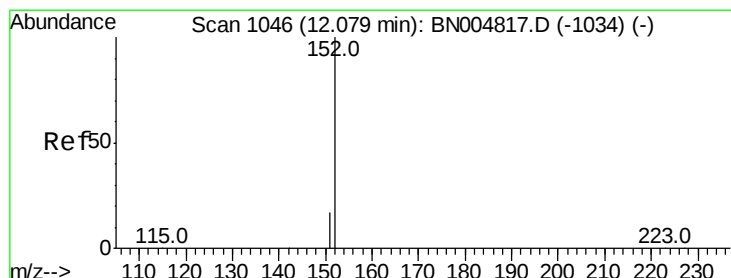
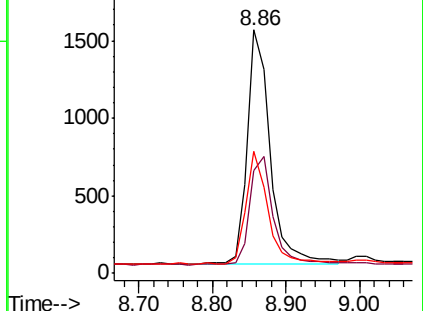
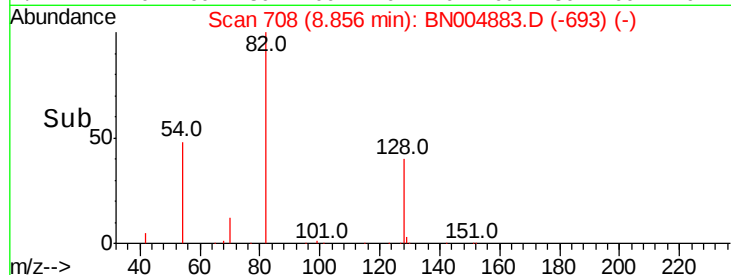
54 50.2 35.3 52.9



Abundance Ion 82.00 (81.70 to 82.70): BN004883.D (-693) (-)

Ion 128.00 (127.70 to 128.70): BN004883.D (-693) (-)

Ion 54.00 (53.70 to 54.70): BN004883.D (-693) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.363 ng

RT: 12.07 min Scan# 1045

Delta R.T. -0.00 min

Lab File: BN004883.D

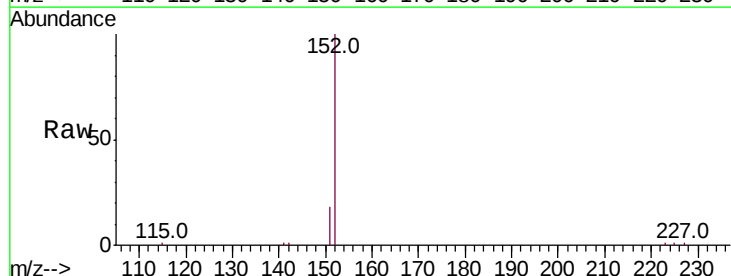
Acq: 22 Mar 2019 11:16

Tgt Ion: 152 Resp: 8225

Ion Ratio Lower Upper

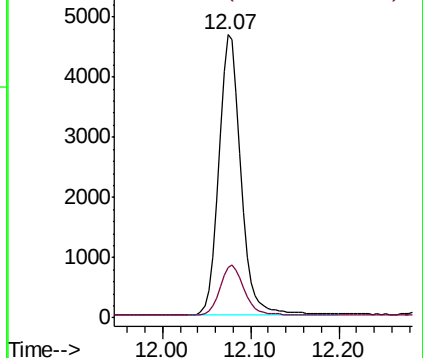
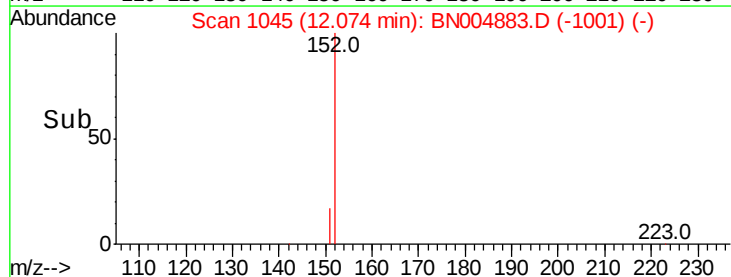
152 100

151 19.4 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): BN004883.D (-1001) (-)

Ion 151.00 (150.70 to 151.70): BN004883.D (-1001) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004883.D

Acq: 22 Mar 2019 11:16

Instrument :

BNA_N

ClientSampleId :

PST-026-SW035-031819

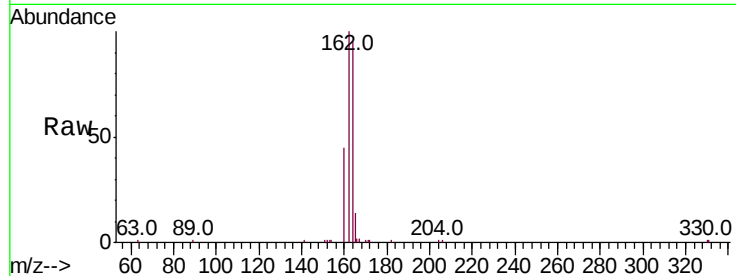
Tot Ion:164 Resp: 8144

Ion Ratio Lower Upper

164 100

162 105.3 81.9 122.9

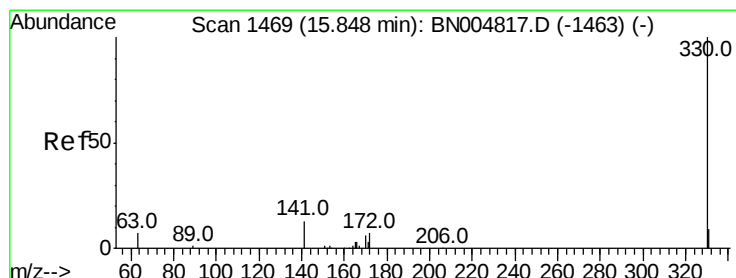
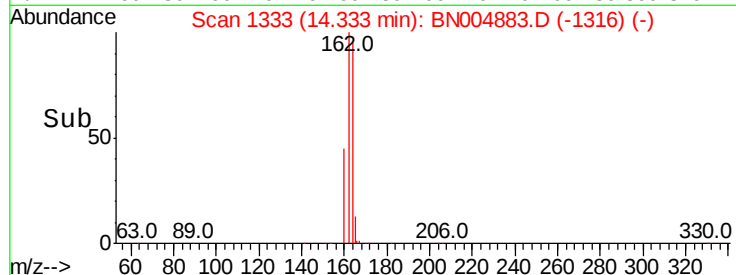
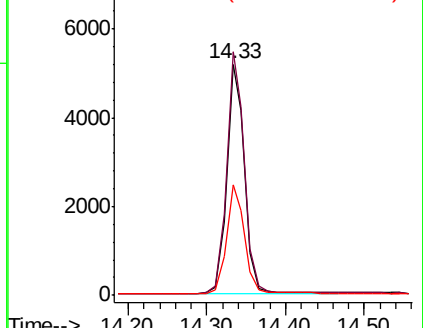
160 47.8 36.6 54.8



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: 0.347 ng

RT: 15.84 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BN004883.D

Acq: 22 Mar 2019 11:16

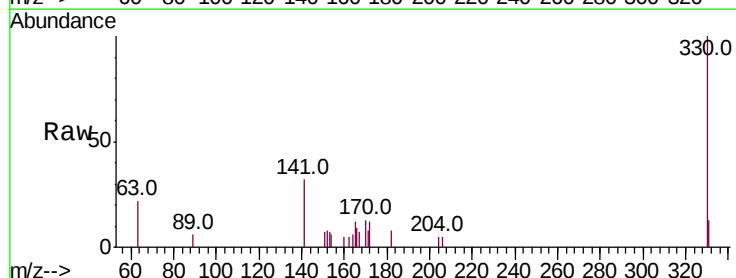
Tgt Ion:330 Resp: 1950

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

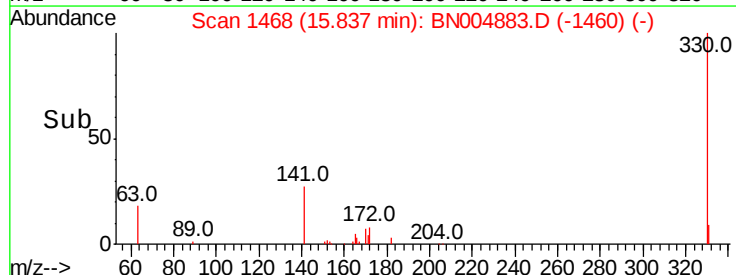
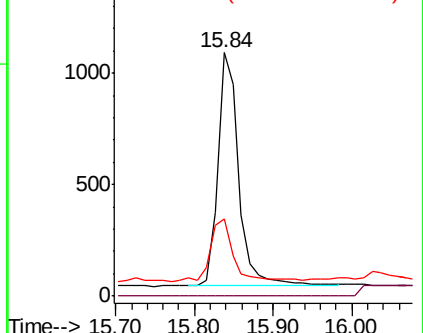
141 29.5 20.9 31.3

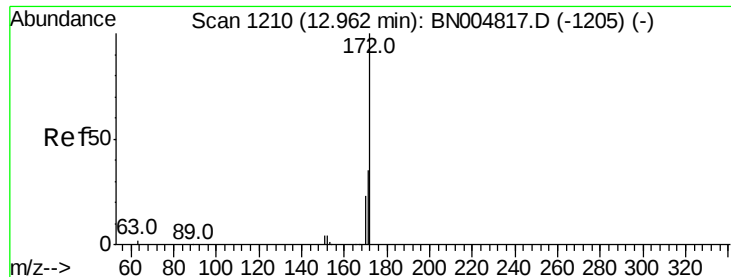


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

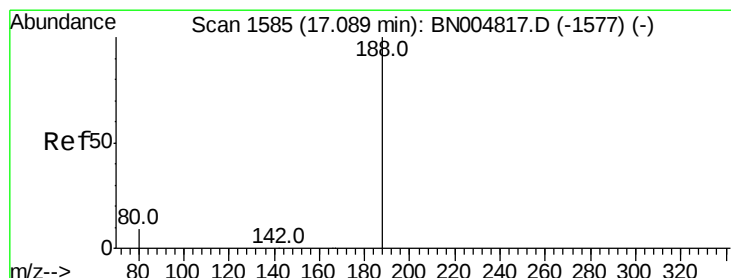
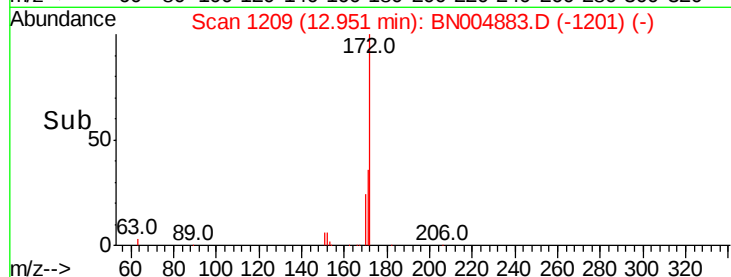
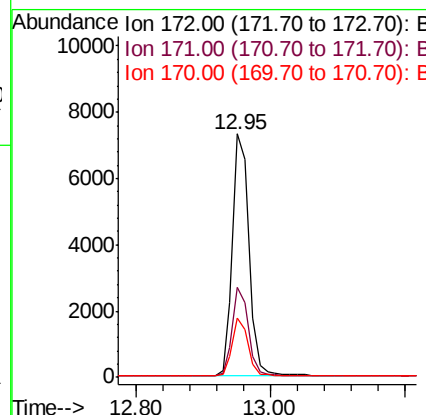
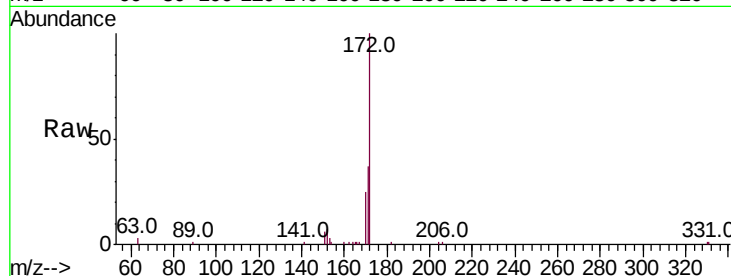




#15
2-Fluorobiphenyl
Concen: 0.372 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004883.D
Acq: 22 Mar 2019 11:16

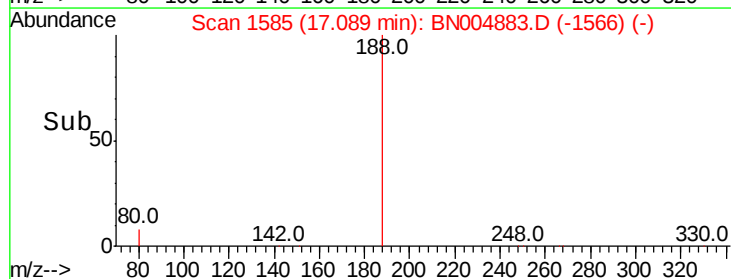
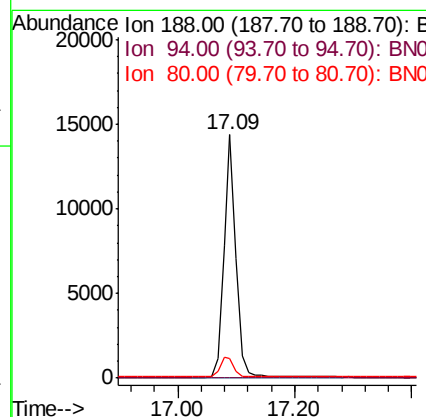
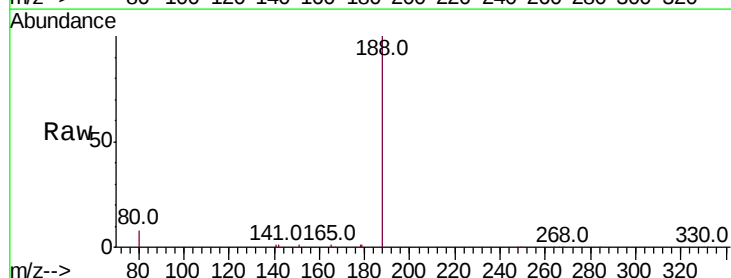
Instrument :
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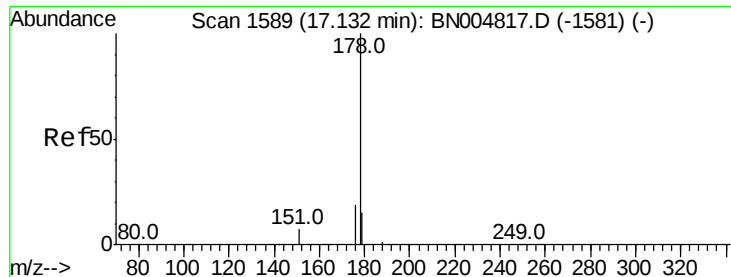
Tot Ion:172 Resp: 12519
Ion Ratio Lower Upper
172 100
171 36.9 28.7 43.1
170 24.6 18.7 28.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BN004883.D
Acq: 22 Mar 2019 11:16

Tgt Ion:188 Resp: 20741
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.0 7.4 11.2





#23

Phenanthrene

Concen: 0.042 ng

RT: 17.13 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BN004883.D

Acq: 22 Mar 2019 11:16

Instrument :

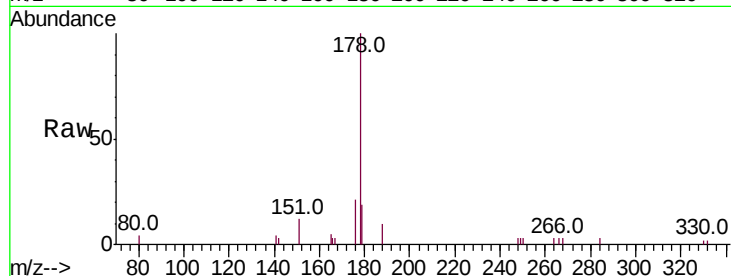
BNA_N

ClientSampleId :

PST-026-SW035-031819

Tot Ion:178 Resp: 2787

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	16.7	12.1	18.1

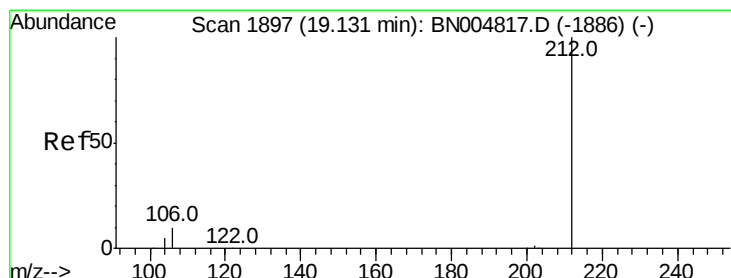
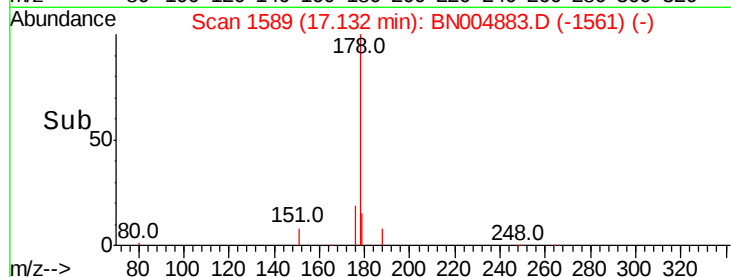
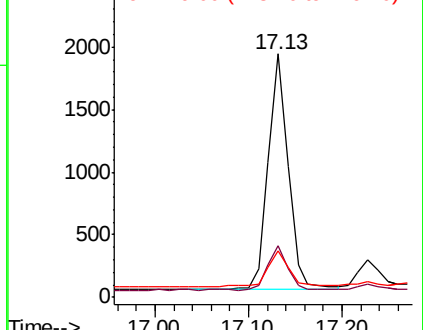


Abundance

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: 0.337 ng

RT: 19.13 min Scan# 1896

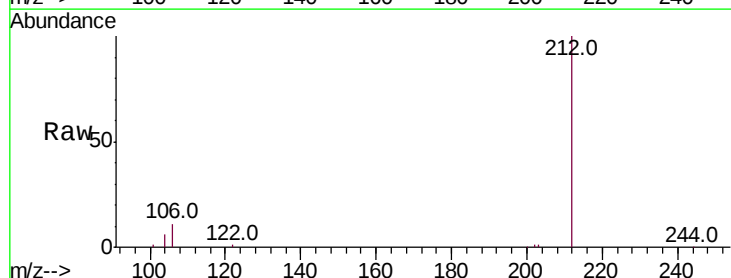
Delta R.T. -0.00 min

Lab File: BN004883.D

Acq: 22 Mar 2019 11:16

Tgt Ion:212 Resp: 23396

Ion	Ratio	Lower	Upper
212	100		
106	11.4	8.6	13.0
104	6.3	4.7	7.1

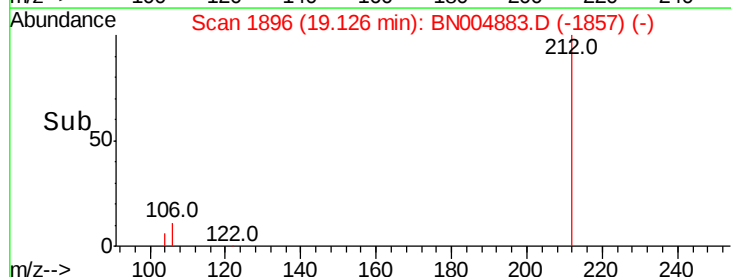
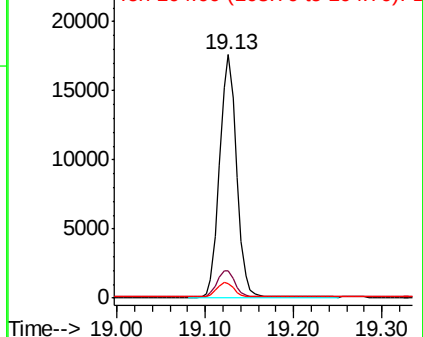


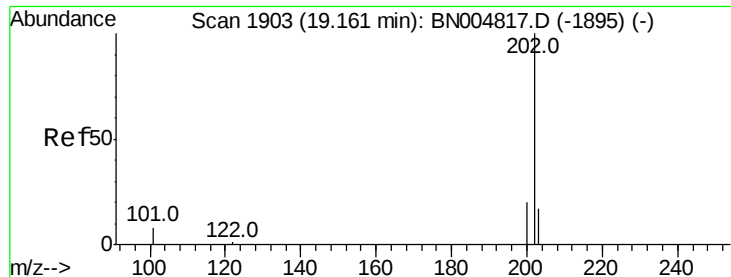
Abundance

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

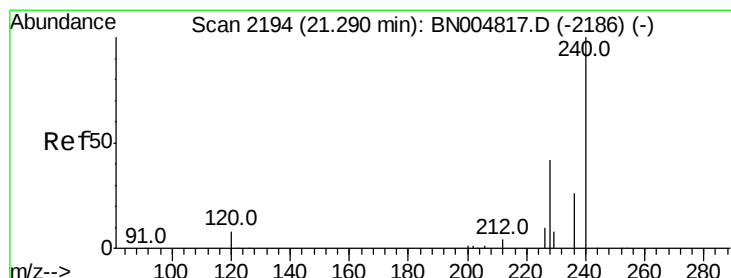
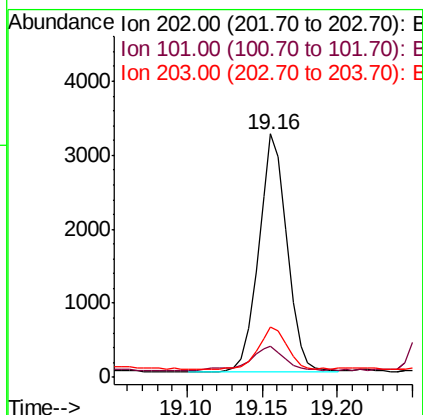
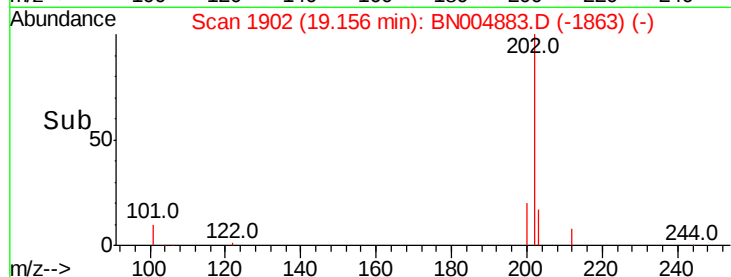
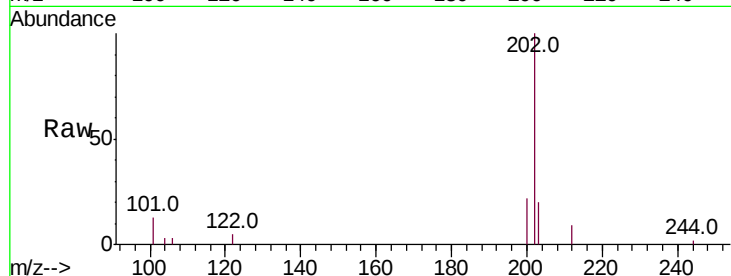




#26
Fluoranthene
Concen: 0.049 ng
RT: 19.16 min Scan# 1902
Delta R.T. -0.00 min
Lab File: BN004883.D
Acq: 22 Mar 2019 11:16

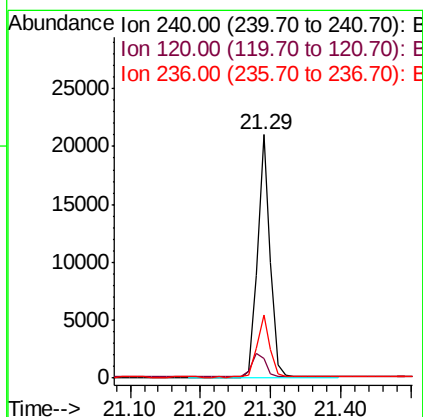
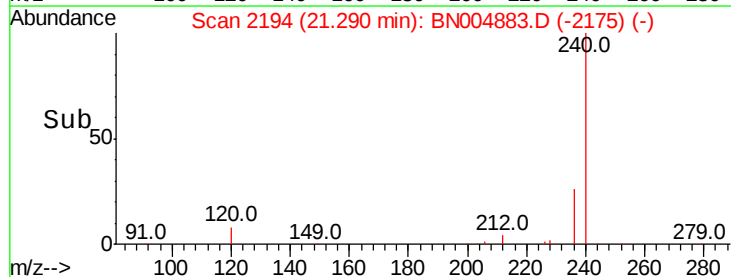
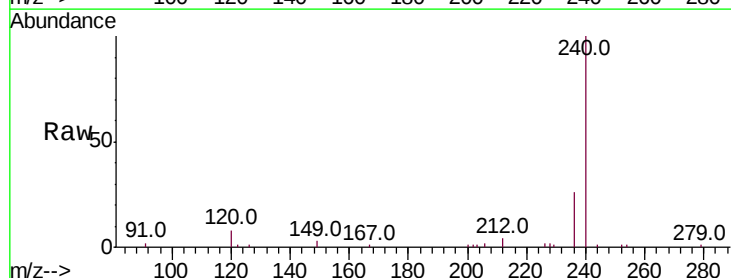
Instrument :
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PST-026-SW035-031819

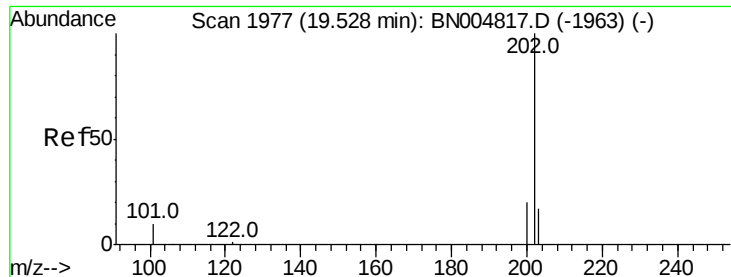
Tot Ion:202 Resp: 4198
Ion Ratio Lower Upper
202 100
101 13.1 7.5 11.3#
203 18.1 13.8 20.6



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.29 min Scan# 2194
Delta R.T. 0.00 min
Lab File: BN004883.D
Acq: 22 Mar 2019 11:16

Tgt Ion:240 Resp: 26786
Ion Ratio Lower Upper
240 100
120 8.3 7.2 10.8
236 26.0 20.9 31.3





#28

Pvrene

Concen: 0.061 ng

RT: 19.52 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BN004883.D

Acq: 22 Mar 2019 11:16

Instrument :

BNA_N

ClientSampleId :

PST-026-SW035-031819

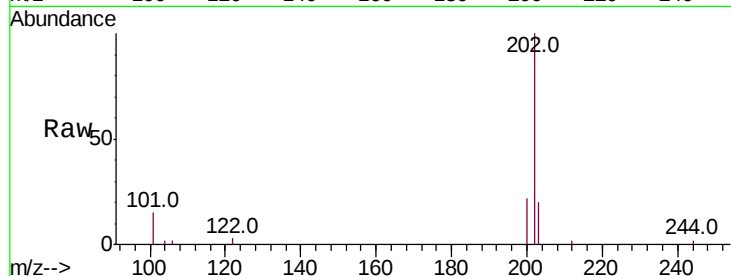
Tot Ion:202 Resp: 5003

Ion Ratio Lower Upper

202 100

200 20.6 16.3 24.5

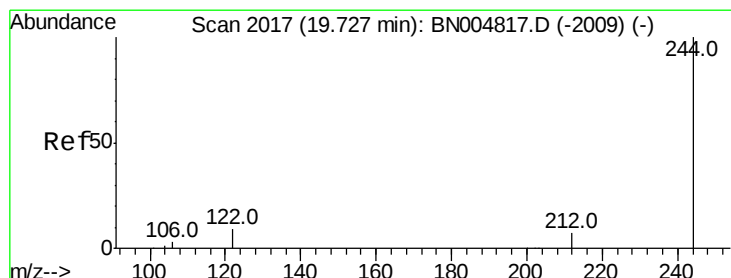
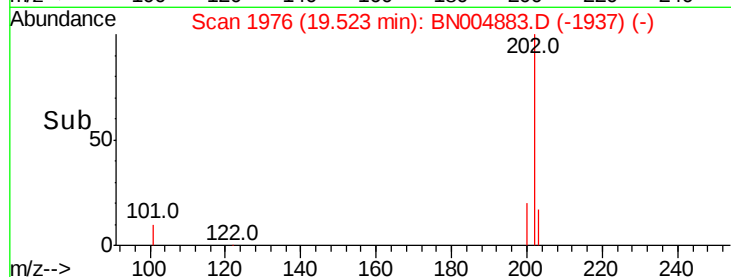
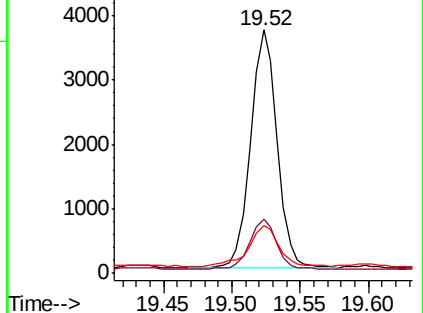
203 19.0 14.0 21.0



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: 0.302 ng

RT: 19.72 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BN004883.D

Acq: 22 Mar 2019 11:16

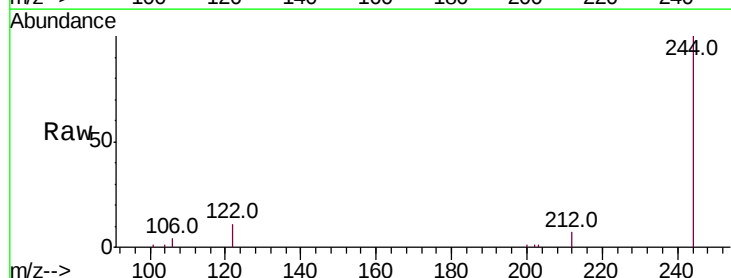
Tgt Ion:244 Resp: 16553

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

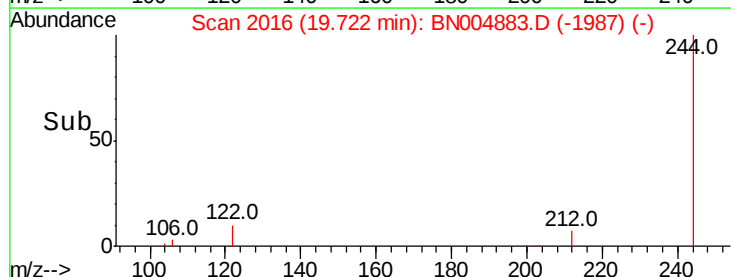
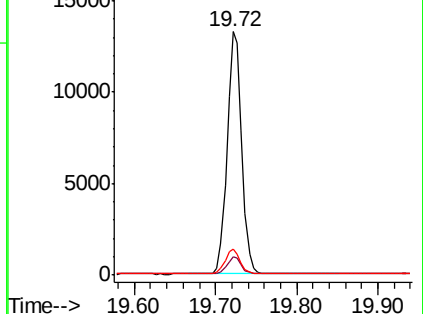
122 10.9 7.9 11.9

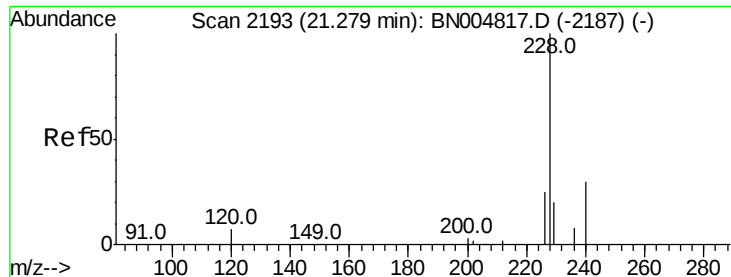


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.024 ng

RT: 21.28 min Scan# 2193

Delta R.T. 0.00 min

Lab File: BN004883.D

Acq: 22 Mar 2019 11:16

Instrument :

BNA_N

ClientSampleId :

PST-026-SW035-031819

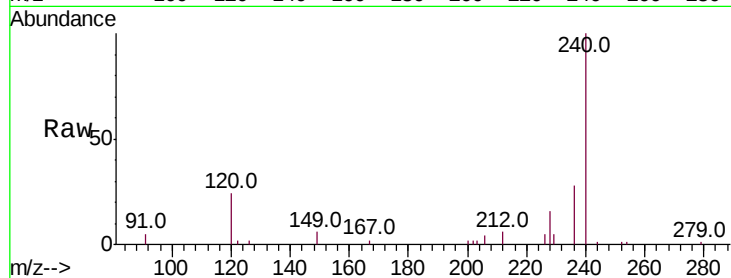
Tot Ion:228 Resp: 2125

Ion Ratio Lower Upper

228 100

226 34.1 20.6 31.0#

229 28.8 16.2 24.4#

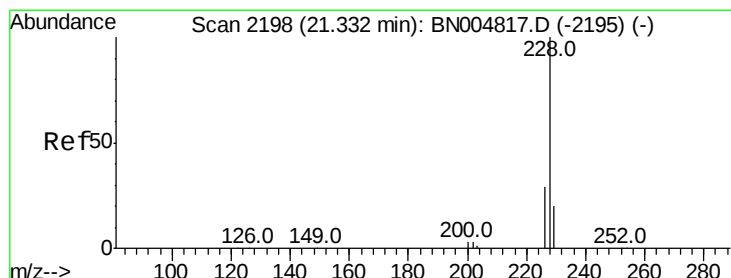
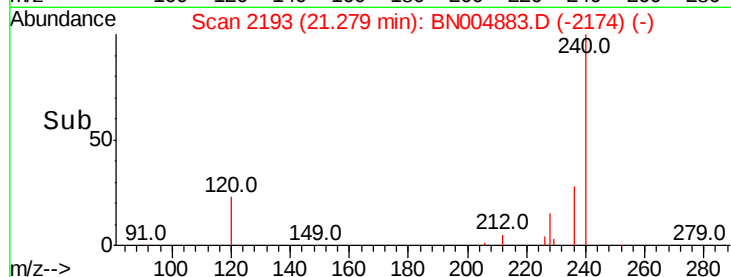
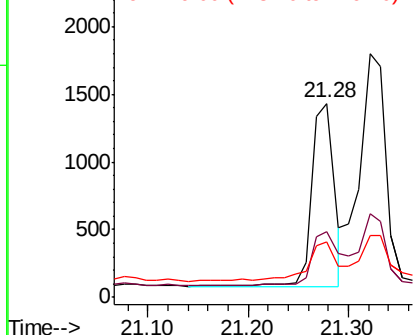


Abundance

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: 0.031 ng

RT: 21.32 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BN004883.D

Acq: 22 Mar 2019 11:16

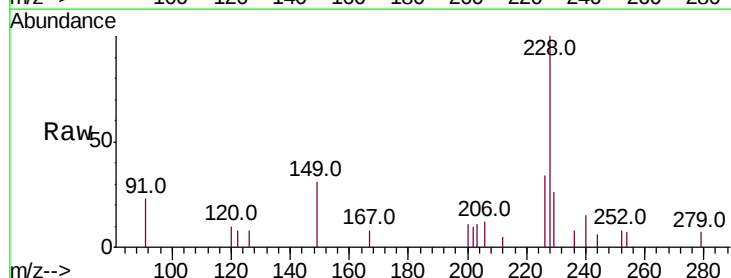
Tgt Ion:228 Resp: 2854

Ion Ratio Lower Upper

228 100

226 34.1 23.0 34.6

229 25.6 16.2 24.2#

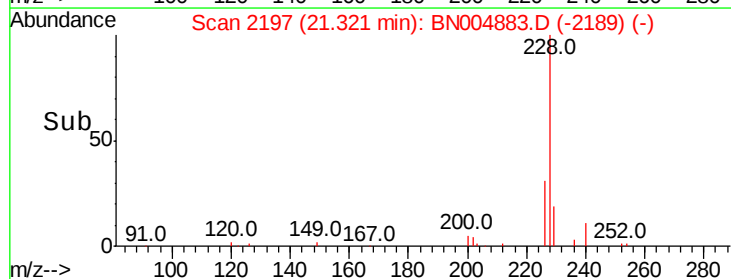
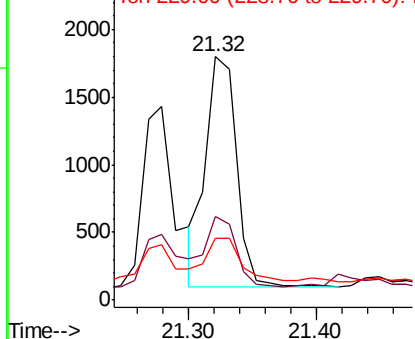


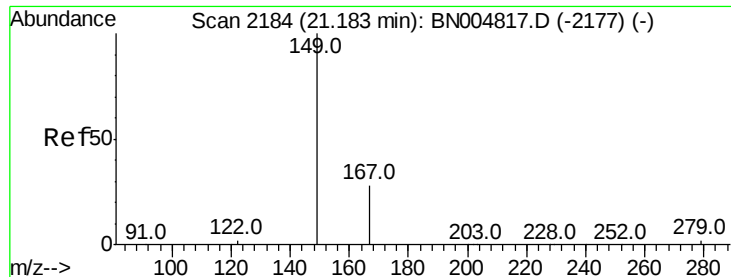
Abundance

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: 0.119 ng

RT: 21.18 min Scan# 2184

Delta R.T. 0.00 min

Lab File: BN004883.D

Acq: 22 Mar 2019 11:16

Instrument :

BNA_N

ClientSampleId :

PST-026-SW035-031819

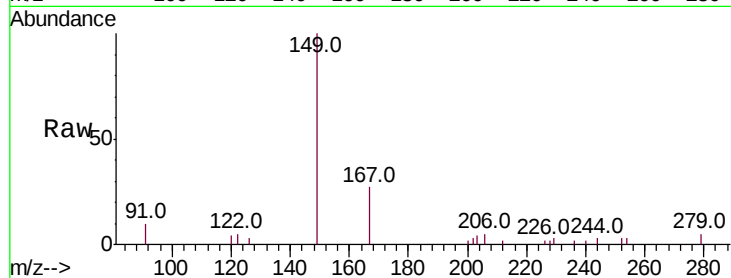
Tot Ion:149 Resp: 4176

Ion Ratio Lower Upper

149 100

167 27.3 23.0 34.4

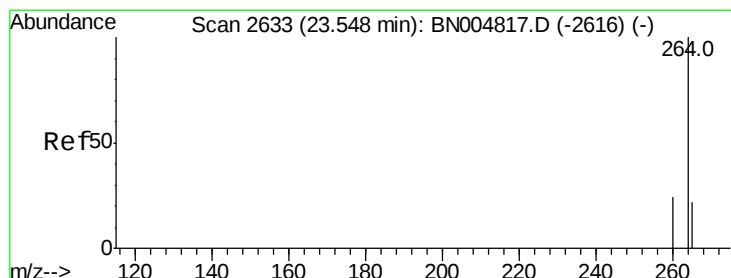
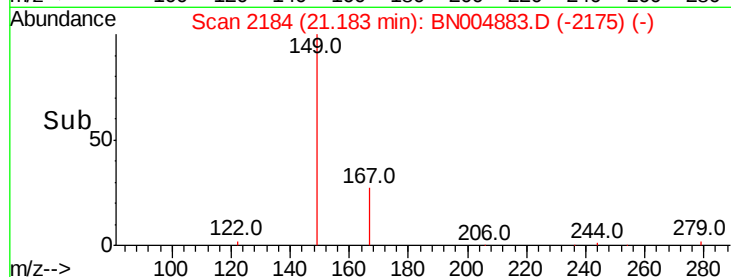
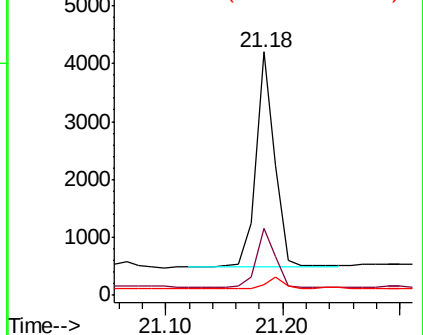
279 5.6 4.6 6.8



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: BN004883.D

Acq: 22 Mar 2019 11:16

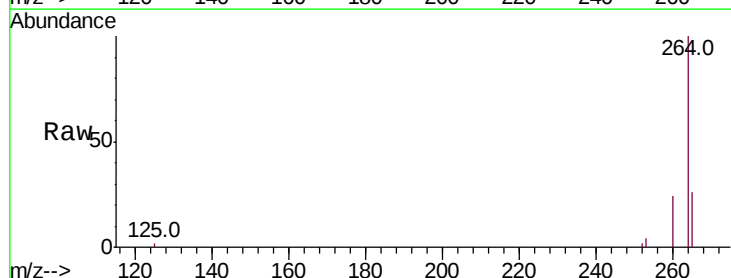
Tgt Ion:264 Resp: 28063

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

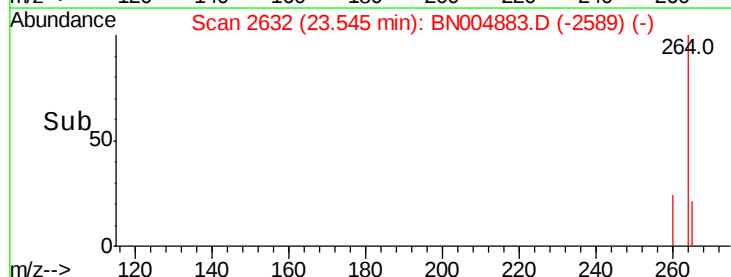
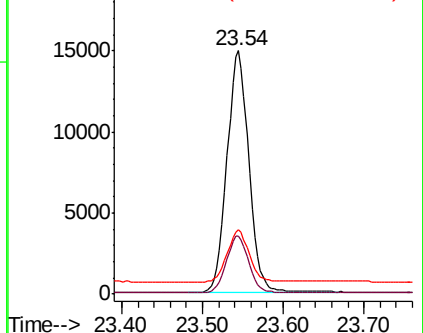
265 26.3 23.1 34.7

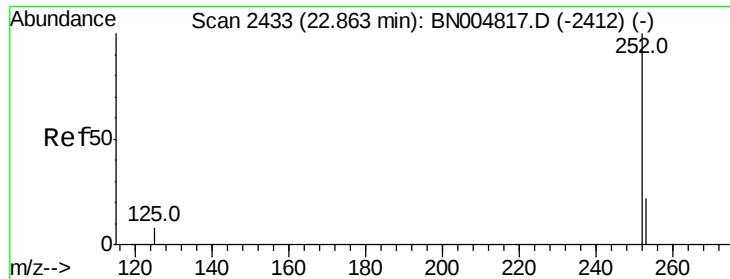


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

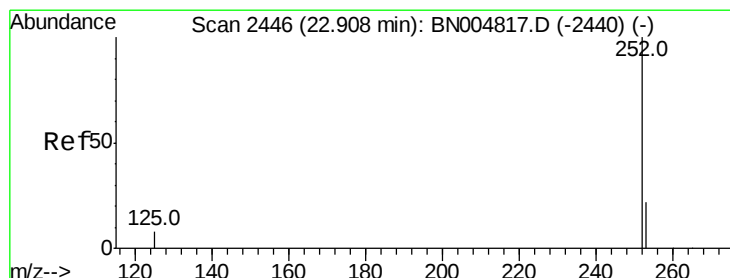
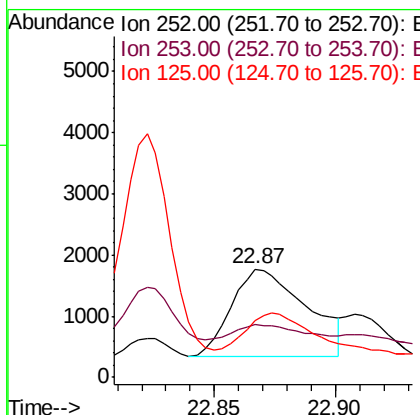
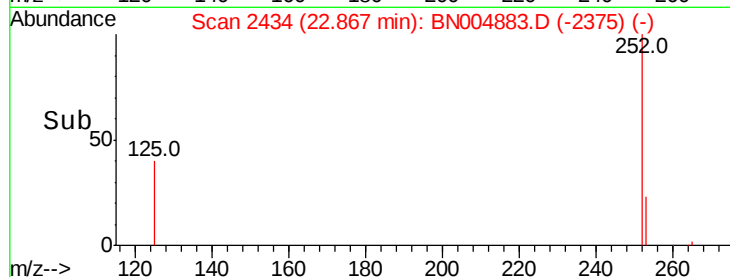
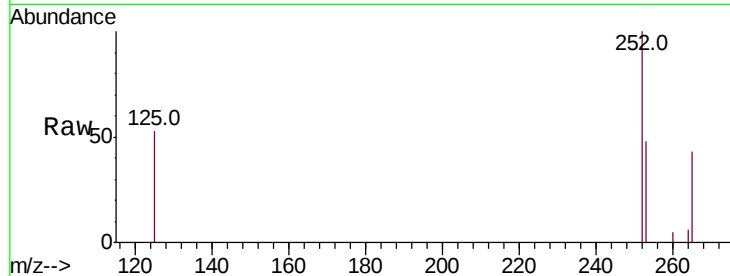




#35
Benzo(b)fluoranthene
Concen: 0.030 ng
RT: 22.87 min Scan# 2434
Delta R.T. 0.00 min
Lab File: BN004883.D
Acq: 22 Mar 2019 11:16

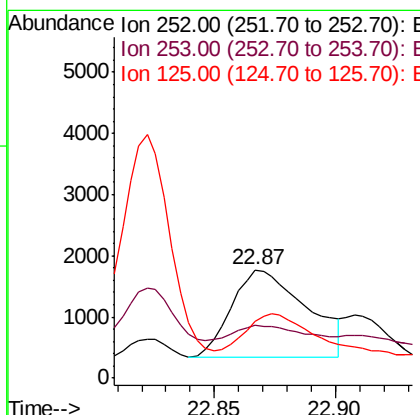
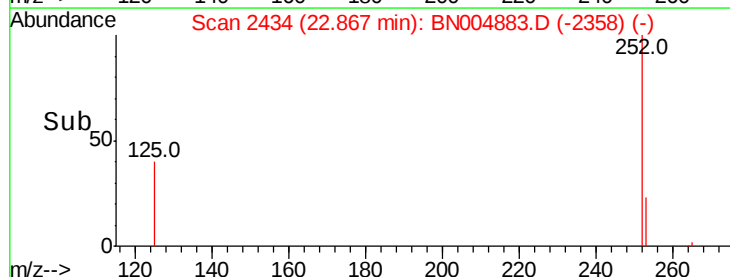
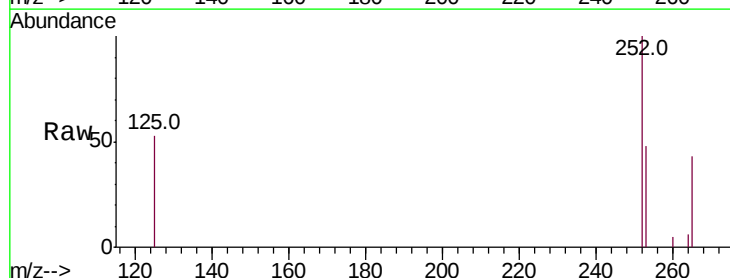
Instrument :
BNA_N
ClientSampleId :
PST-026-SW035-031819

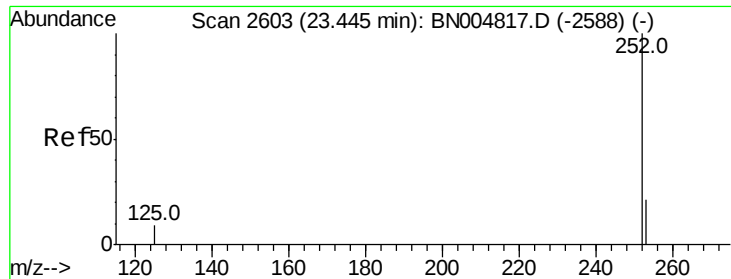
Tot Ion:252 Resp: 3074
Ion Ratio Lower Upper
252 100
253 48.4 19.0 28.4#
125 52.5 7.4 11.2#



#36
Benzo(k)fluoranthene
Concen: 0.031 ng
RT: 22.87 min Scan# 2434
Delta R.T. -0.04 min
Lab File: BN004883.D
Acq: 22 Mar 2019 11:16

Tgt Ion:252 Resp: 3074
Ion Ratio Lower Upper
252 100
253 48.4 19.3 28.9#
125 52.5 7.4 11.0#





#37

Benzo(a)pyrene

Concen: 0.024 ng

RT: 23.45 min Scan# 2603

Delta R.T. 0.00 min

Lab File: BN004883.D

Acq: 22 Mar 2019 11:16

Instrument :

BNA_N

ClientSampleId :

PST-026-SW035-031819

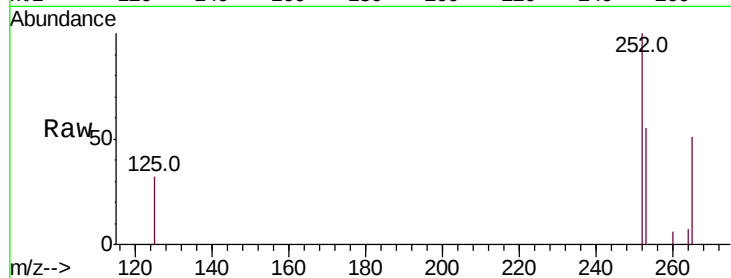
Tot Ion:252 Resp: 2255

Ion Ratio Lower Upper

252 100

253 55.0 19.7 29.5#

125 31.9 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

