

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032519\
 Data File : BN004964.D
 Acq On : 25 Mar 2019 17:07
 Operator : JU/SJ
 Sample : K2015-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-072-B156-031919

Quant Time: Mar 26 01:18:50 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	7.68	152	3846	0.40	ng	-0.02
7) Naphthalene-d8	10.47	136	15169	0.40	ng	-0.03
13) Acenaphthene-d10	14.32	164	7262	0.40	ng	-0.02
19) Phenanthrene-d10	17.08	188	14640	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	17124	0.40	ng	-0.01
34) Perylene-d12	23.53	264	19121	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.28	112	4481	0.43	ng	0.00
5) Phenol-d6	6.86	99	5463	0.42	ng	-0.02
8) Nitrobenzene-d5	8.84	82	4274	0.43	ng	-0.03
11) 2-Methylnaphthalene-d10	12.06	152	9368	0.35	ng	-0.02
14) 2,4,6-Tribromophenol	15.84	330	1584	0.32	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	12637	0.42	ng	-0.02
25) Fluoranthene-d10	19.12	212	18044	0.37	ng	-0.02
29) Terphenyl-d14	19.72	244	12781	0.36	ng	-0.01

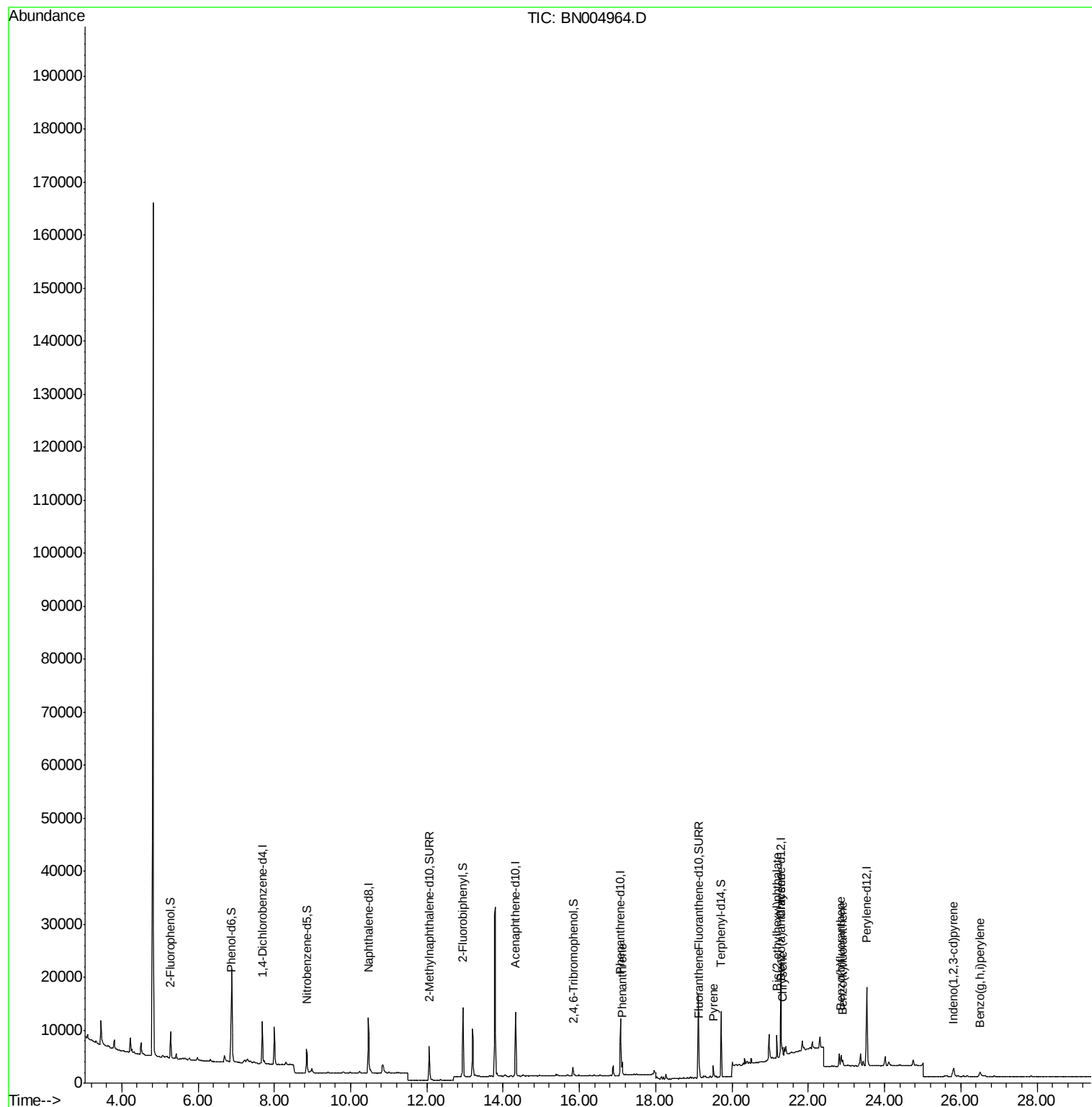
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
23) Phenanthrene	17.12	178	2536	0.054	ng	97
26) Fluoranthene	19.15	202	1969	0.032	ng	# 91
28) Pyrene	19.51	202	1965	0.038	ng	95
30) Benzo(a)anthracene	21.27	228	1270	0.023	ng	# 69
31) Chrysene	21.32	228	1412	0.024	ng	# 76
32) Bis(2-ethylhexyl)phthalate	21.17	149	4773	0.213	ng	97
33) Indeno(1,2,3-cd)pyrene	25.80	276	1939	0.023	ng	# 93
35) Benzo(b)fluoranthene	22.86	252	2515	0.036	ng	# 15
36) Benzo(k)fluoranthene	22.90	252	1423	0.021	ng	# 1
39) Benzo(a,h,i)perylene	26.51	276	1893	0.025	ng	# 47

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

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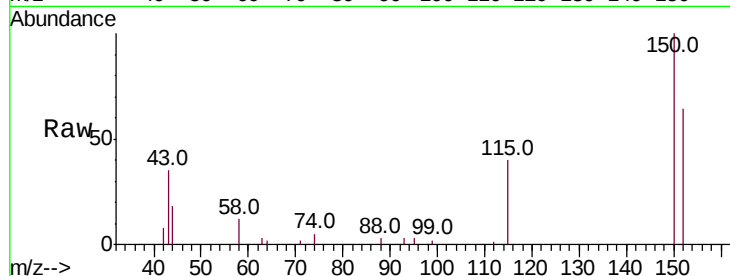


#1

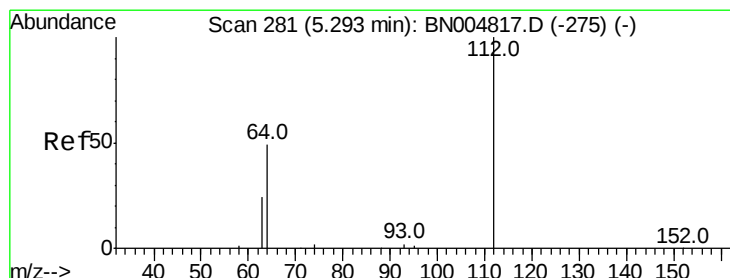
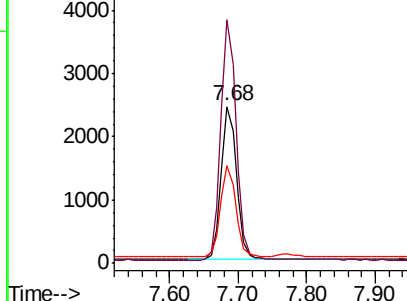
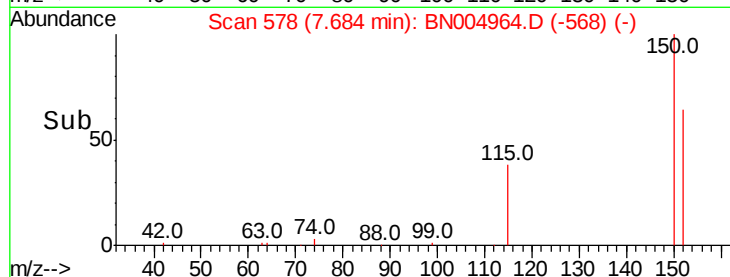
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 578
Delta R.T. -0.02 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

Instrument :
BNA_N
ClientSampleId :
PST-072-B156-031919

Tot Ion:152 Resp: 3846
Ion Ratio Lower Upper
152 100
150 155.5 126.2 189.4
115 62.7 52.6 79.0



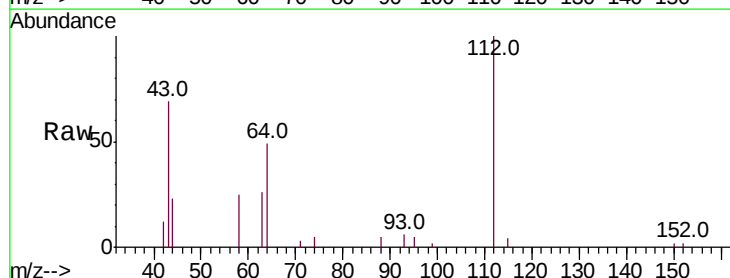
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



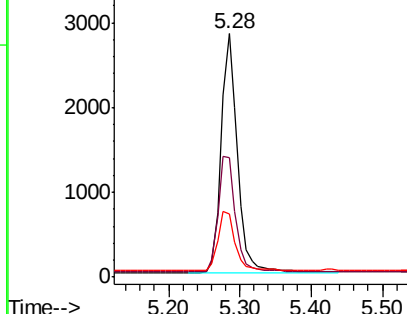
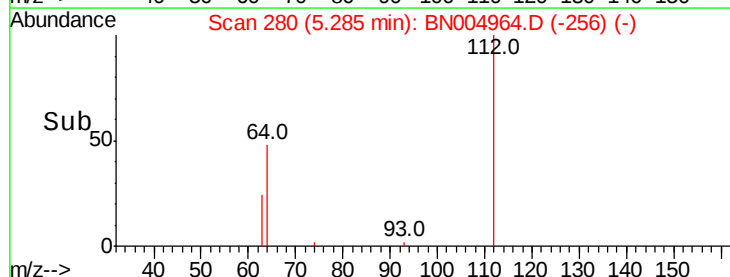
#4

2-Fluorophenol
Concen: 0.429 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

Tgt Ion:112 Resp: 4481
Ion Ratio Lower Upper
112 100
64 52.0 40.0 60.0
63 26.5 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: 0.420 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004964.D

Acq: 25 Mar 2019 17:07

Instrument :

BNA_N

ClientSampleId :

PST-072-B156-031919

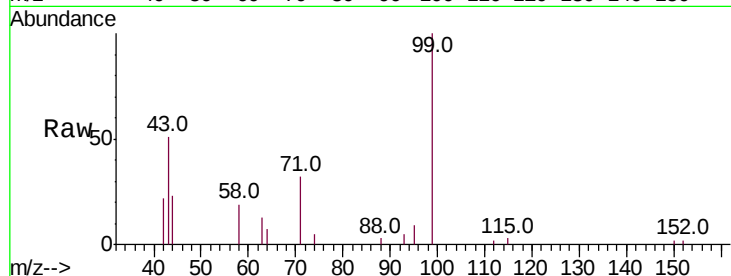
Tot Ion: 99 Resp: 5463

Ion Ratio Lower Upper

99 100

42 0.0 12.7 19.1#

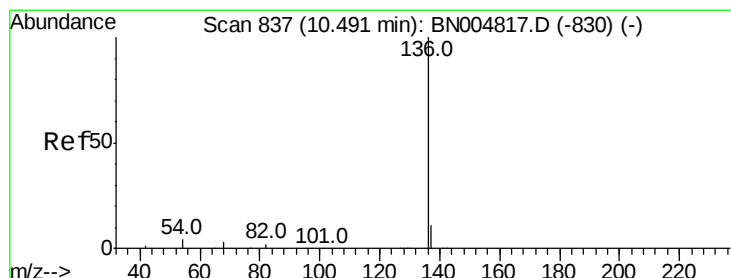
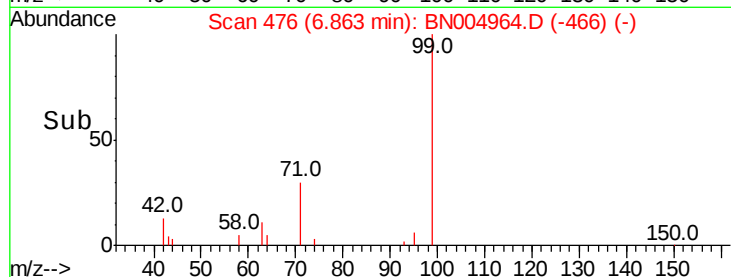
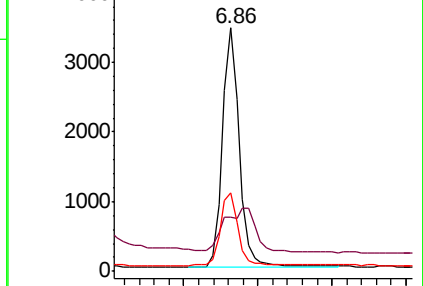
71 31.4 26.6 40.0



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: 10.47 min Scan# 835

Delta R.T. -0.03 min

Lab File: BN004964.D

Acq: 25 Mar 2019 17:07

Tgt Ion: 136 Resp: 15169

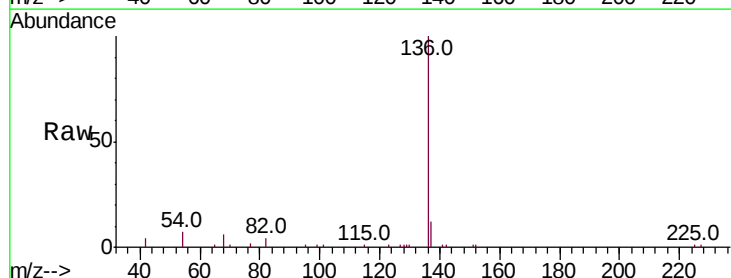
Ion Ratio Lower Upper

136 100

137 11.7 9.6 14.4

54 7.5 4.2 6.2#

68 6.4 3.9 5.9#

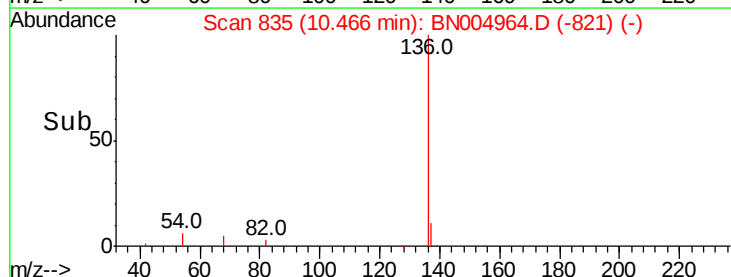
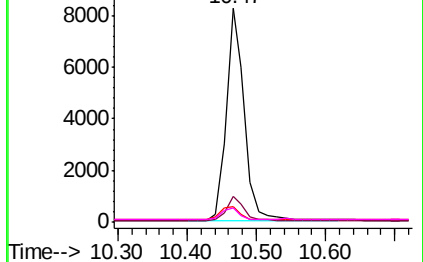


Abundance Ion 136.00 (135.70 to 136.70): BN004817.D (-830) (-)

Ion 137.00 (136.70 to 137.70): BN004817.D (-830) (-)

Ion 54.00 (53.70 to 54.70): BN004817.D (-830) (-)

Ion 68.00 (67.70 to 68.70): BN004817.D (-830) (-)





#8

Nitrobenzene-d5

Concen: 0.426 ng

RT: 8.84 min Scan# 707

Delta R.T. -0.03 min

Lab File: BN004964.D

Acq: 25 Mar 2019 17:07

Instrument :

BNA_N

ClientSampleId :

PST-072-B156-031919

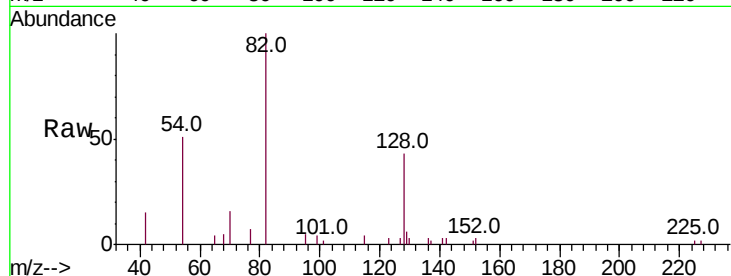
Tot Ion: 82 Resp: 4274

Ion Ratio Lower Upper

82 100

128 42.9 43.0 64.6#

54 50.8 35.3 52.9



Abundance Ion 82.00 (81.70 to 82.70): BN004817.D (-704) (-)

Ion 128.00 (127.70 to 128.70): BN004817.D (-704) (-)

Ion 54.00 (53.70 to 54.70): BN004817.D (-704) (-)

8.84

2500

2000

1500

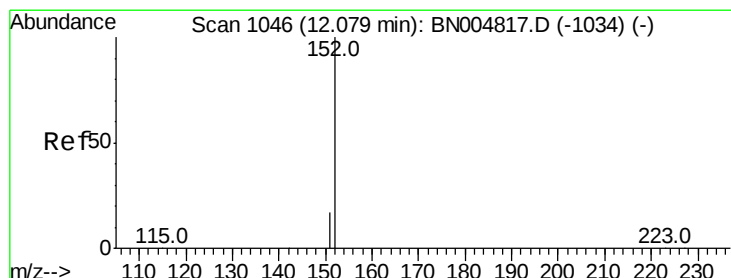
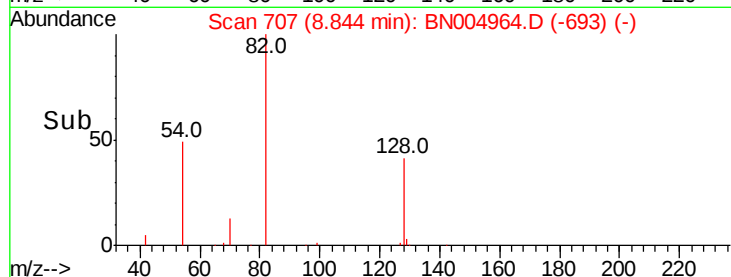
1000

500

0

Time-->

8.80 8.90 9.00



#11

2-Methylnaphthalene-d10

Concen: 0.354 ng

RT: 12.06 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BN004964.D

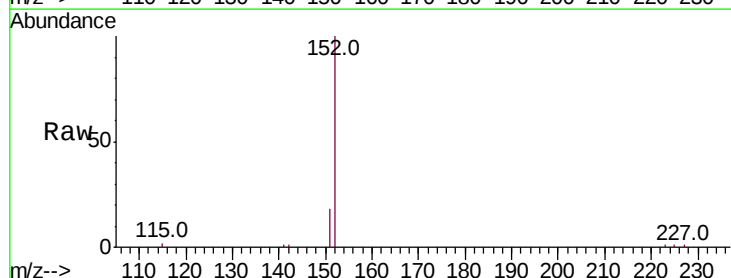
Acq: 25 Mar 2019 17:07

Tgt Ion: 152 Resp: 9368

Ion Ratio Lower Upper

152 100

151 19.7 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): BN004817.D (-1034) (-)

Ion 151.00 (150.70 to 151.70): BN004817.D (-1034) (-)

12.06

6000

5000

4000

3000

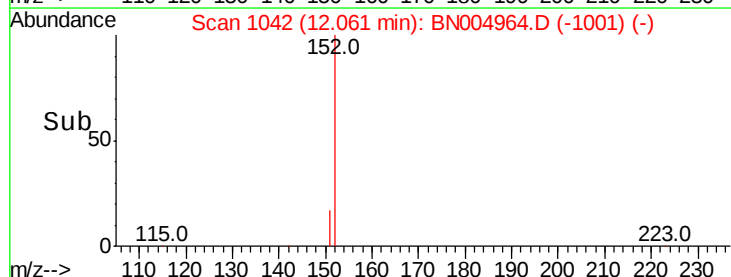
2000

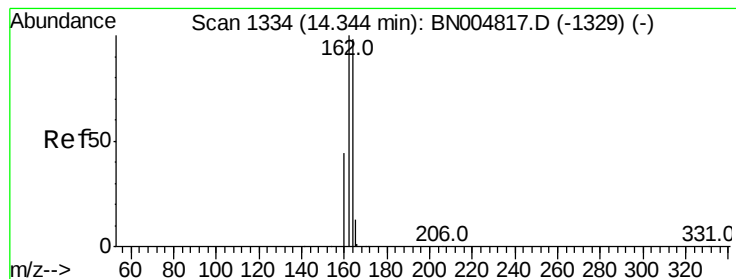
1000

0

Time-->

12.00 12.20





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.32 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BN004964.D

Acq: 25 Mar 2019 17:07

Instrument :

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ClientSampleId :

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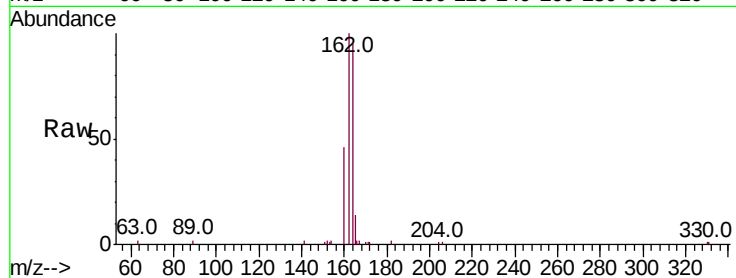
Tot Ion:164 Resp: 7262

Ion Ratio Lower Upper

164 100

162 105.2 81.9 122.9

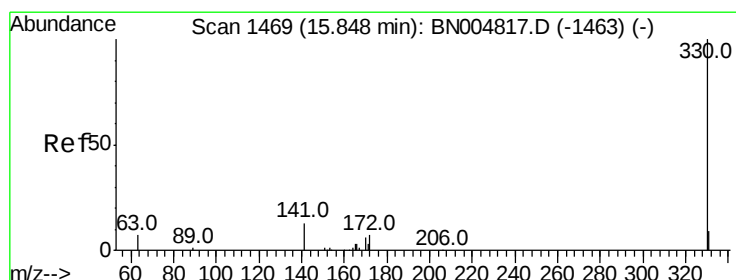
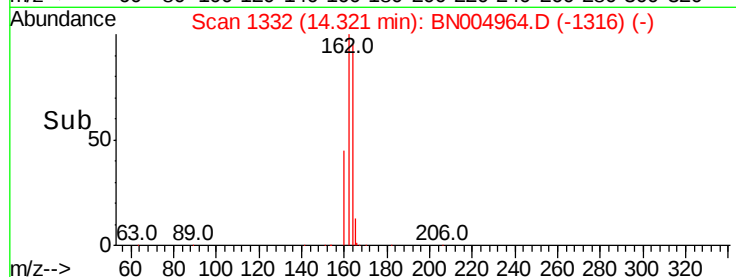
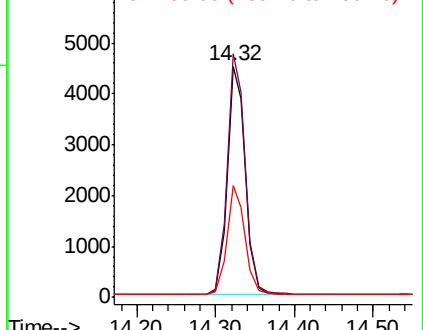
160 48.3 36.6 54.8



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: 0.316 ng

RT: 15.84 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BN004964.D

Acq: 25 Mar 2019 17:07

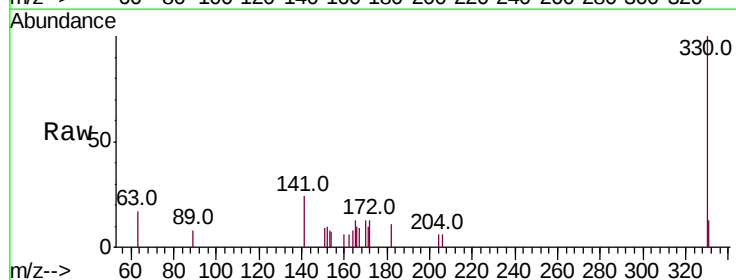
Tgt Ion:330 Resp: 1584

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

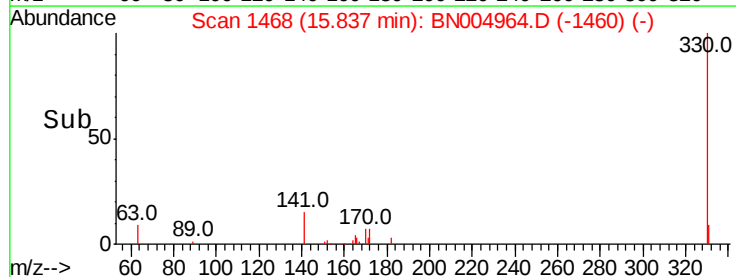
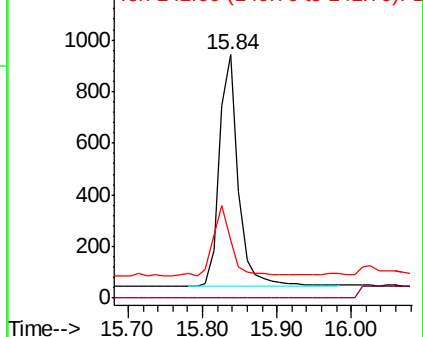
141 29.7 20.9 31.3

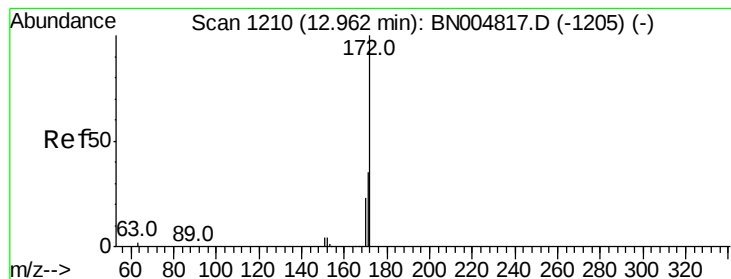


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.421 ng

RT: 12.94 min Scan# 1208

Delta R.T. -0.02 min

Lab File: BN004964.D

Acq: 25 Mar 2019 17:07

Instrument :

BNA_N

ClientSampleId :

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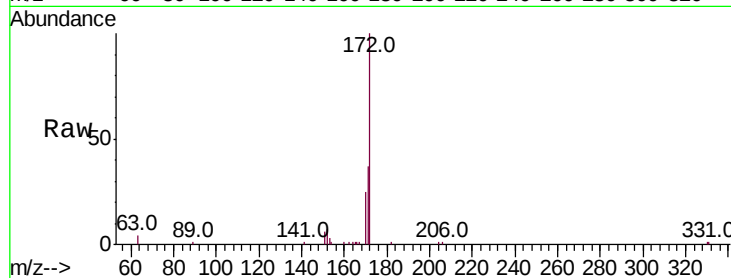
Tot Ion:172 Resp: 12637

Ion Ratio Lower Upper

172 100

171 36.6 28.7 43.1

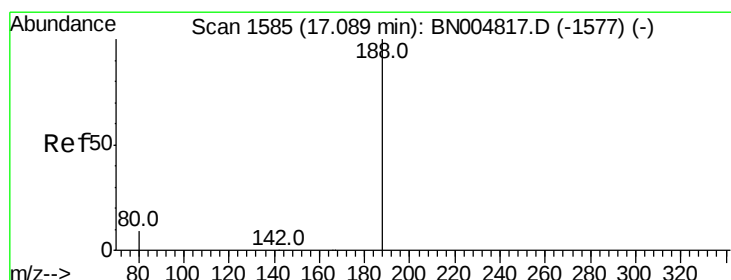
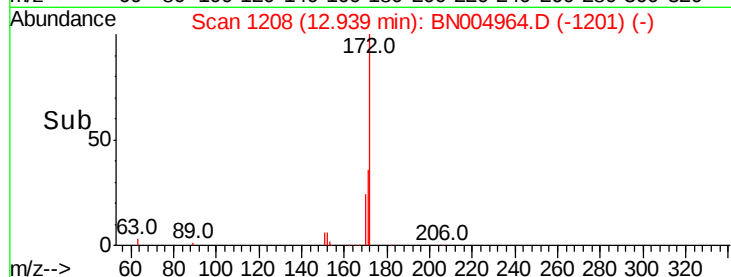
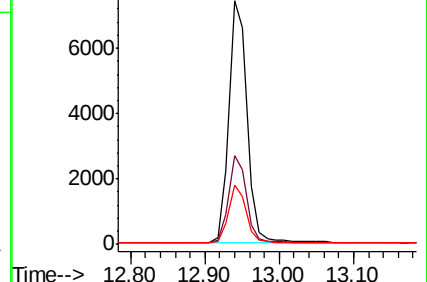
170 24.6 18.7 28.1



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: 17.08 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BN004964.D

Acq: 25 Mar 2019 17:07

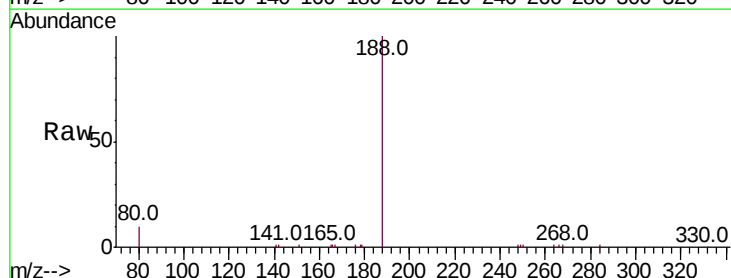
Tgt Ion:188 Resp: 14640

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

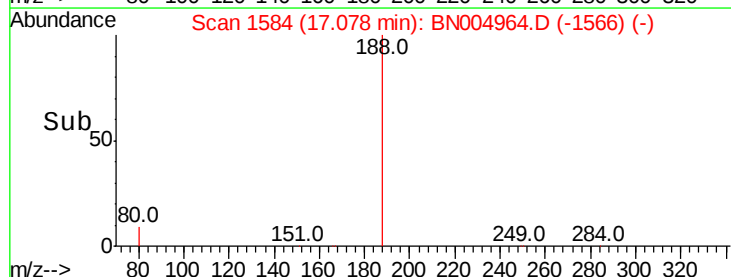
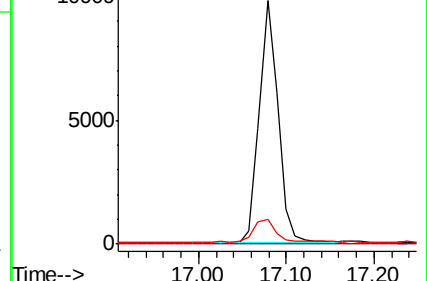
80 10.4 7.4 11.2

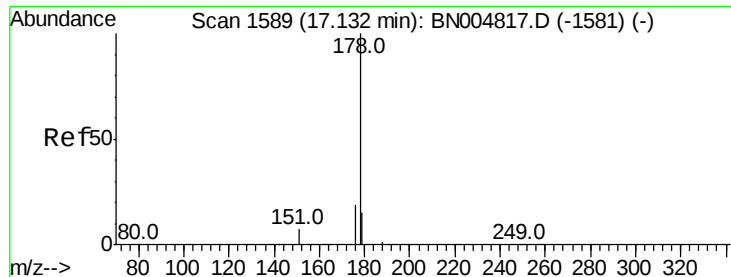


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#23

Phenanthrene

Concen: 0.054 ng

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004964.D

Acq: 25 Mar 2019 17:07

Instrument :

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ClientSampleId :

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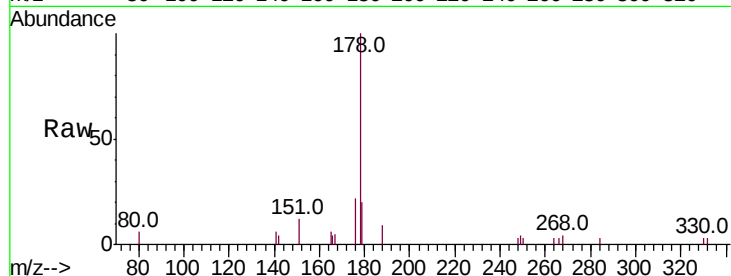
Tot Ion:178 Resp: 2536

Ion Ratio Lower Upper

178 100

176 18.5 14.9 22.3

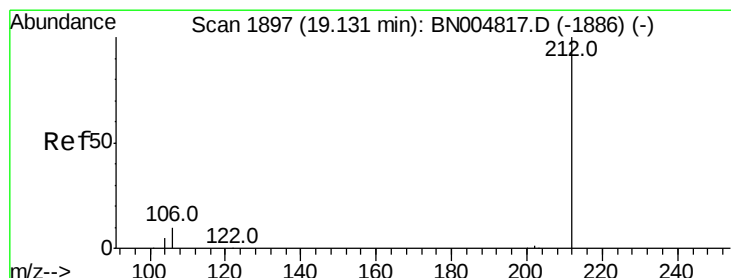
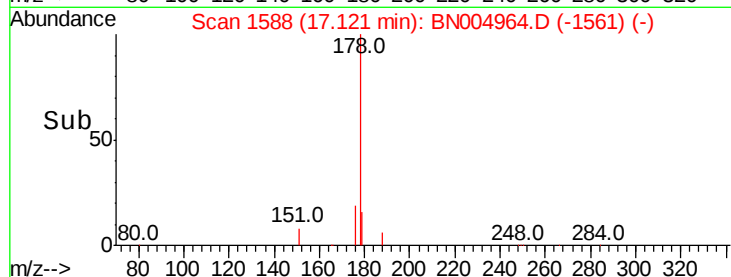
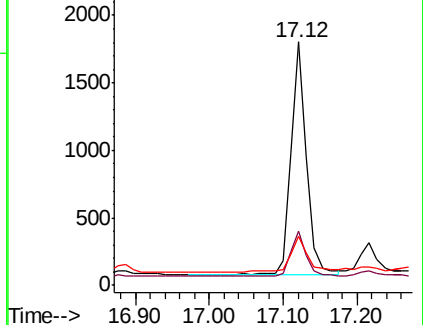
179 17.6 12.1 18.1



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



#25

Fluoranthene-d10

Concen: 0.368 ng

RT: 19.12 min Scan# 1894

Delta R.T. -0.02 min

Lab File: BN004964.D

Acq: 25 Mar 2019 17:07

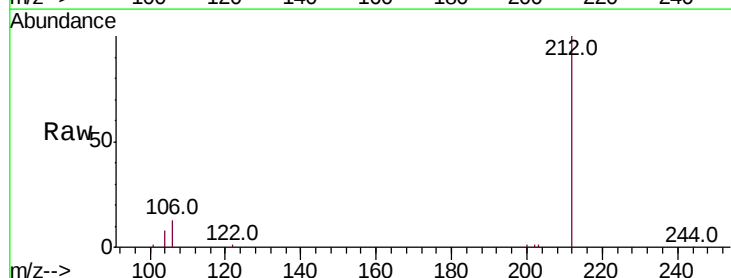
Tgt Ion:212 Resp: 18044

Ion Ratio Lower Upper

212 100

106 12.2 8.6 13.0

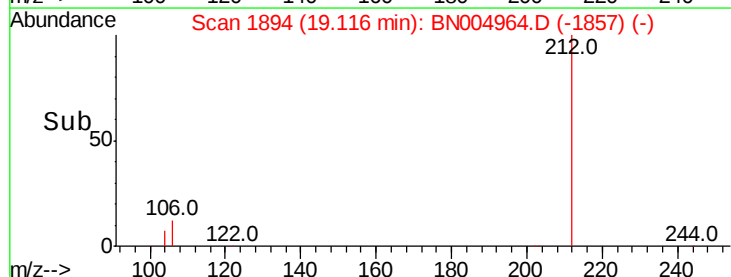
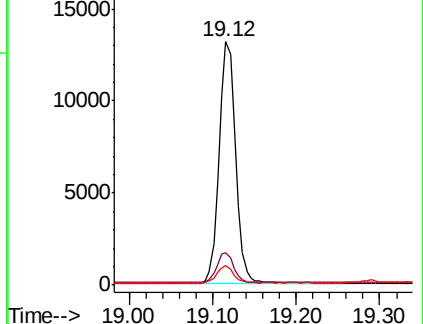
104 7.3 4.7 7.1#

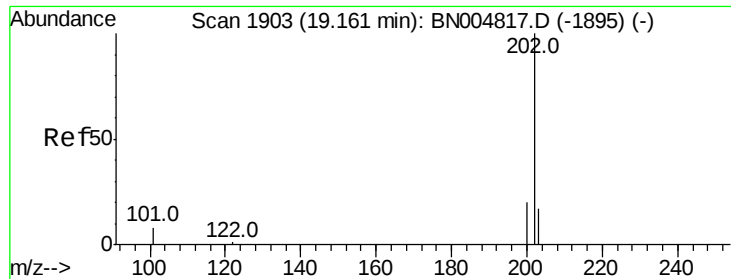


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

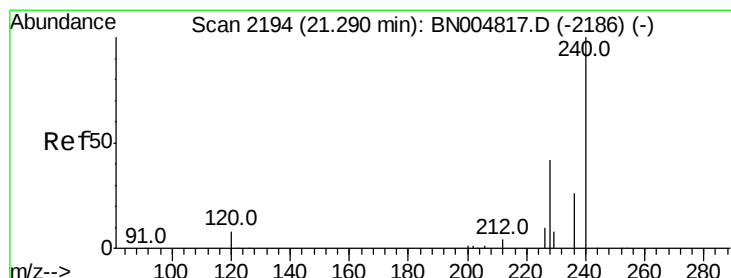
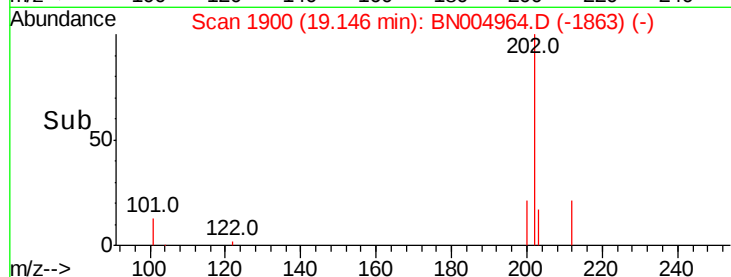
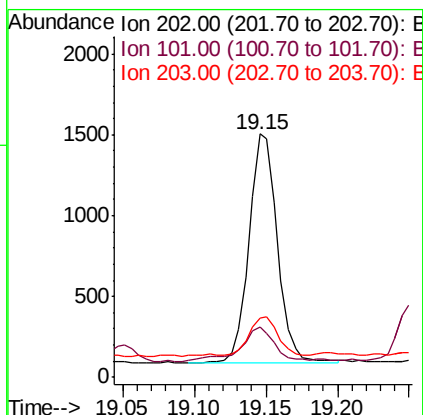
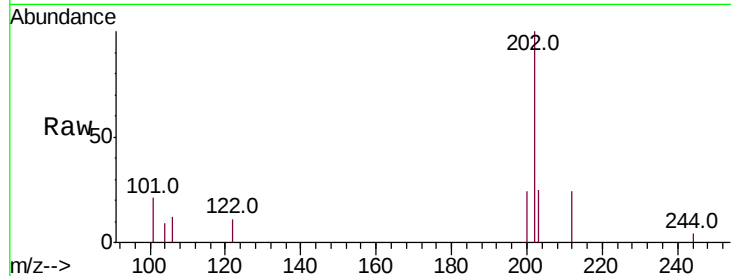




#26
 Fluoranthene
 Concen: 0.032 ng
 RT: 19.15 min Scan# 1900
 Delta R.T. -0.02 min
 Lab File: BN004964.D
 Acq: 25 Mar 2019 17:07

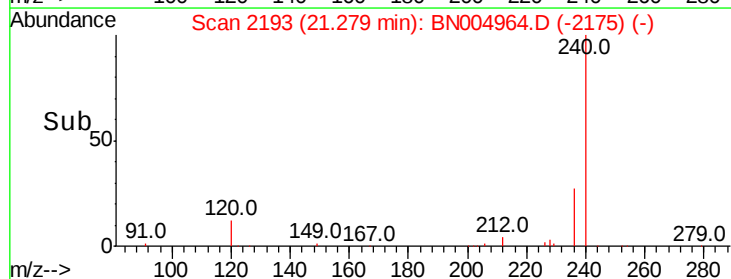
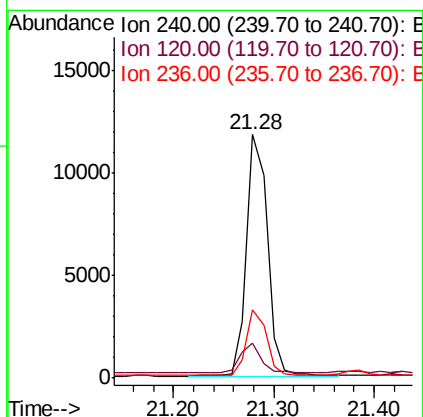
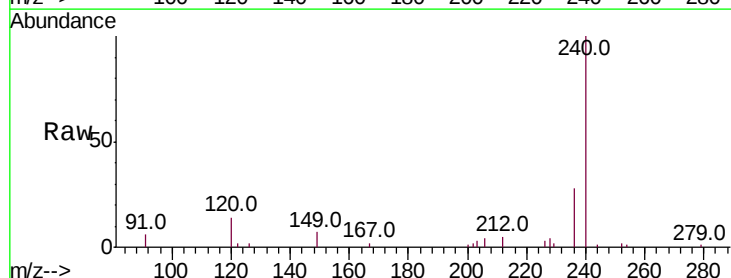
Instrument :
 BNA_N
 ClientSampleId :
 PST-072-B156-031919

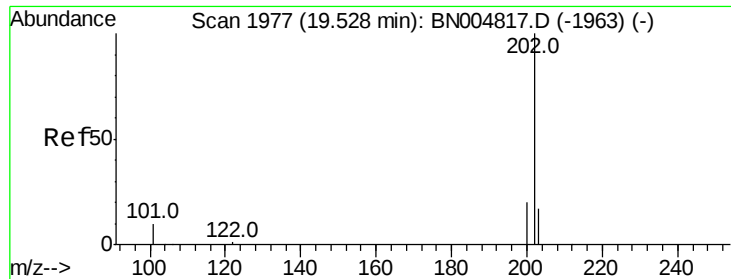
Tot Ion:202 Resp: 1969
 Ion Ratio Lower Upper
 202 100
 101 17.8 7.5 11.3#
 203 17.5 13.8 20.6



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.28 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BN004964.D
 Acq: 25 Mar 2019 17:07

Tgt Ion:240 Resp: 17124
 Ion Ratio Lower Upper
 240 100
 120 14.2 7.2 10.8#
 236 27.9 20.9 31.3

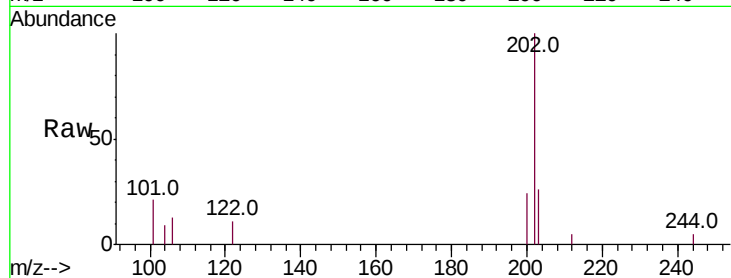




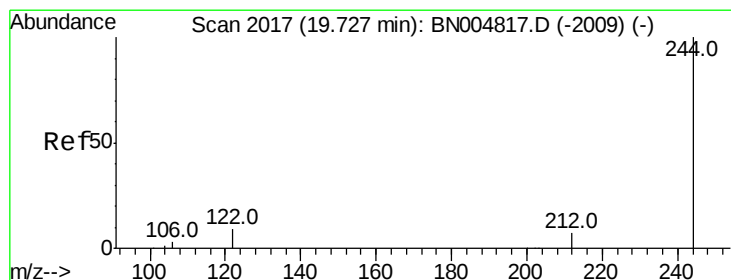
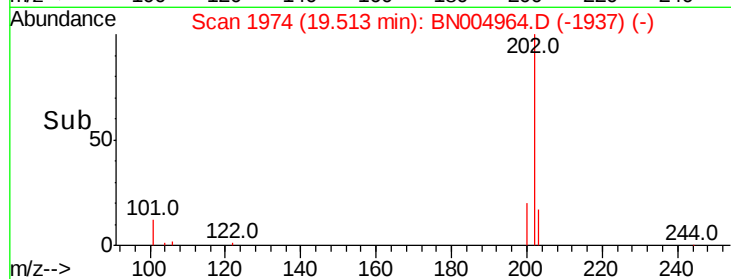
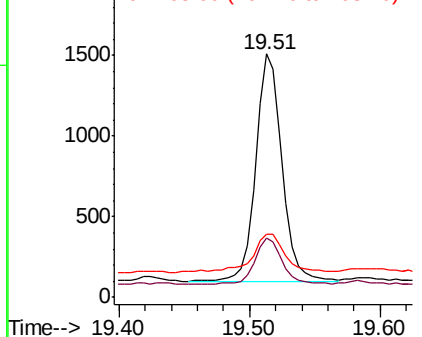
#28
Pvrene
Concen: 0.038 ng
RT: 19.51 min Scan# 1974
Delta R.T. -0.02 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

Instrument :
BNA_N
ClientSampleId :
PST-072-B156-031919

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.3	24.5
203	20.5	14.0	21.0

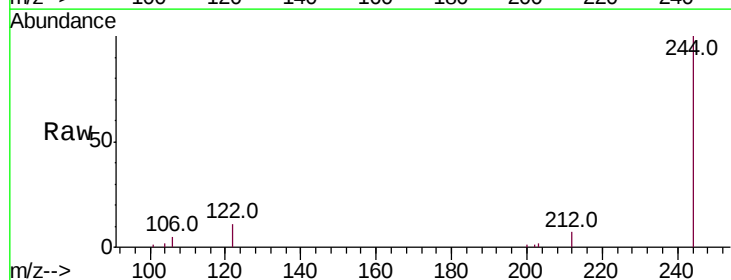


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

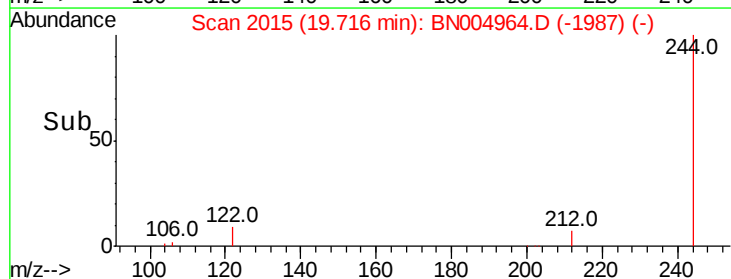
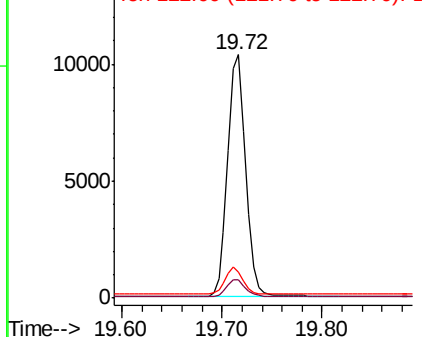


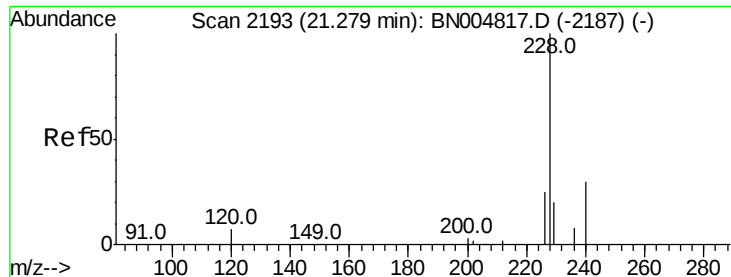
#29
Terphenyl-d14
Concen: 0.365 ng
RT: 19.72 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	10.8	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: 0.023 ng

RT: 21.27 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BN004964.D

Acq: 25 Mar 2019 17:07

Instrument :

BNA_N

ClientSampleId :

PST-072-B156-031919

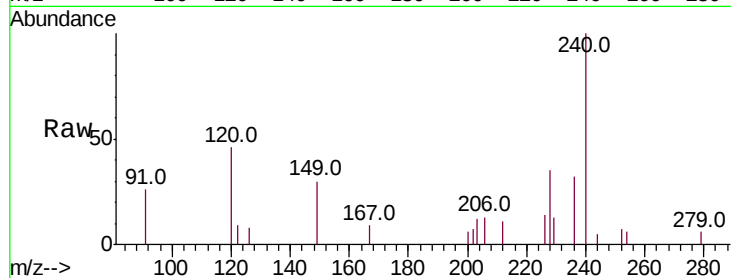
Tot Ion:228 Resp: 1270

Ion Ratio Lower Upper

228 100

226 40.1 20.6 31.0#

229 36.3 16.2 24.4#

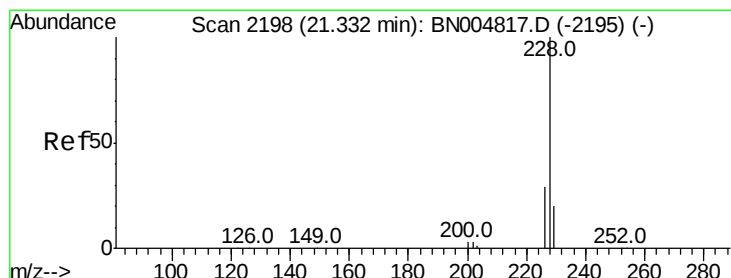
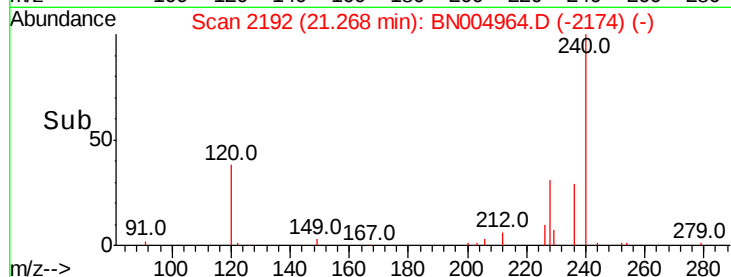
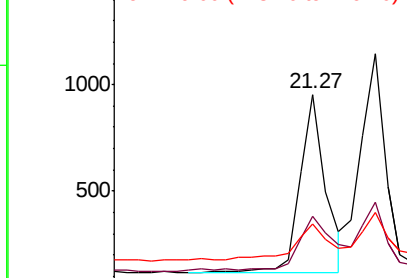


Abundance

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: 0.024 ng

RT: 21.32 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BN004964.D

Acq: 25 Mar 2019 17:07

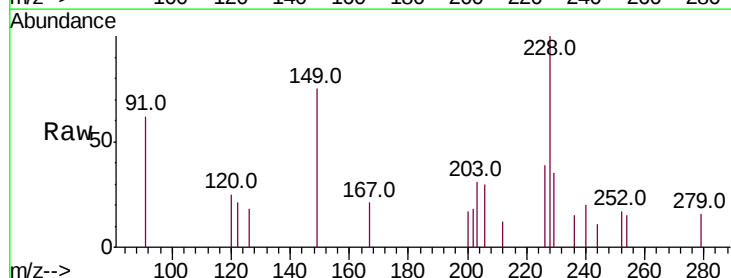
Tgt Ion:228 Resp: 1412

Ion Ratio Lower Upper

228 100

226 38.9 23.0 34.6#

229 34.7 16.2 24.2#

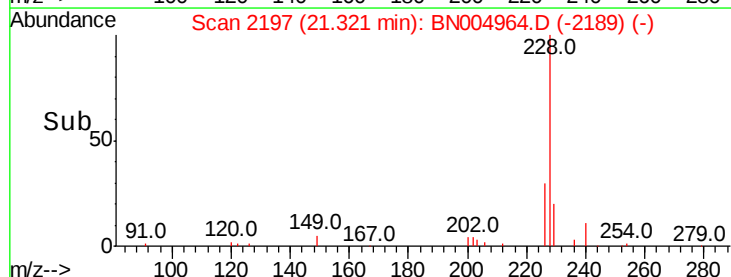
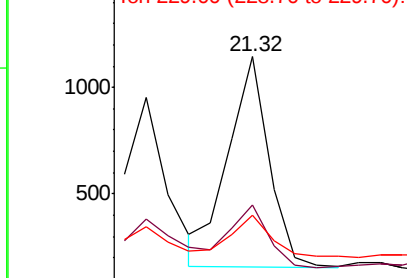


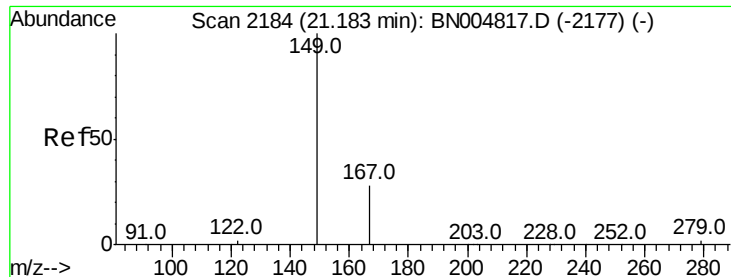
Abundance

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

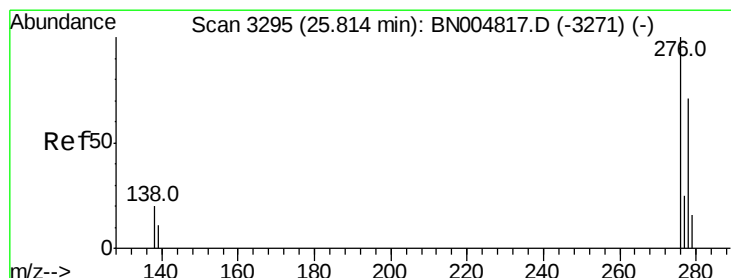
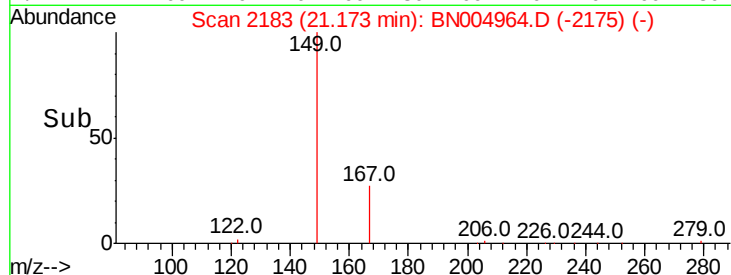
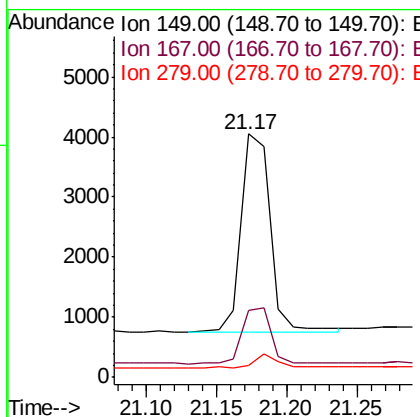
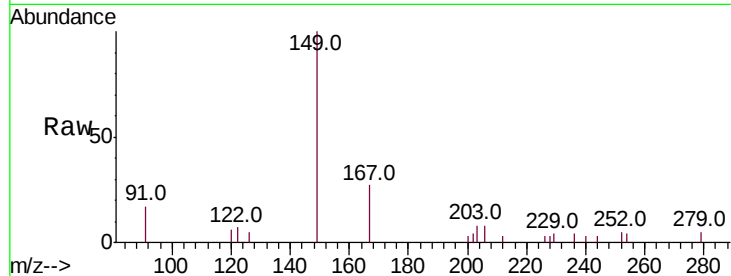




#32
Bis(2-ethylhexyl)phthalate
Concen: 0.213 ng
RT: 21.17 min Scan# 2183
Delta R.T. -0.01 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

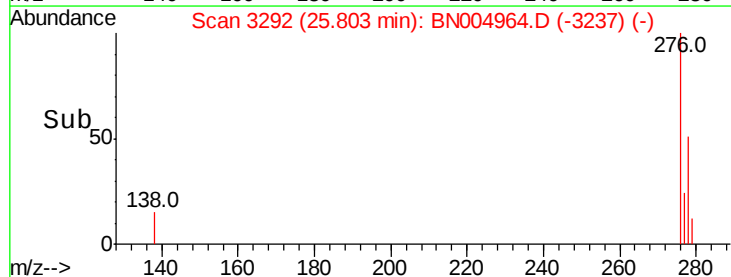
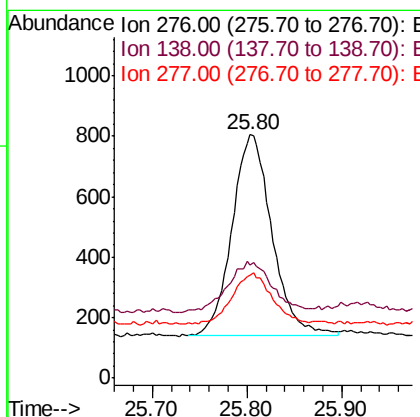
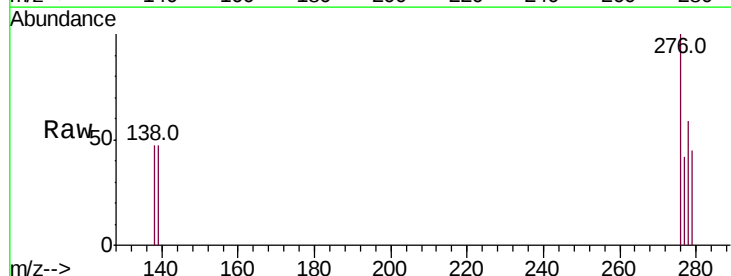
Instrument :
BNA_N
ClientSampleId :
PST-072-B156-031919

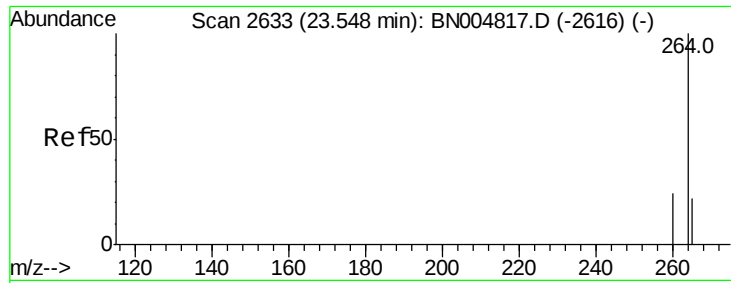
Tot Ion:149 Resp: 4773
Ion Ratio Lower Upper
149 100
167 27.2 23.0 34.4
279 6.4 4.6 6.8



#33
Indeno(1,2,3-cd)pyrene
Concen: 0.023 ng
RT: 25.80 min Scan# 3292
Delta R.T. -0.01 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

Tgt Ion:276 Resp: 1939
Ion Ratio Lower Upper
276 100
138 27.9 16.6 24.8#
277 25.5 20.3 30.5

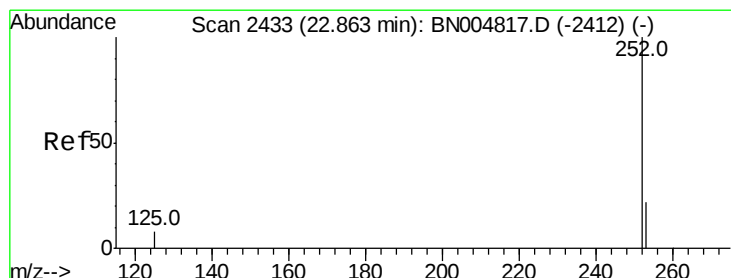
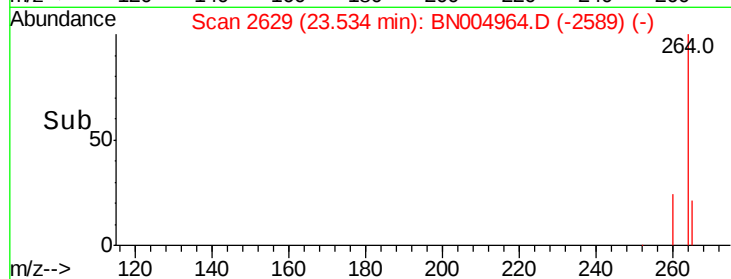
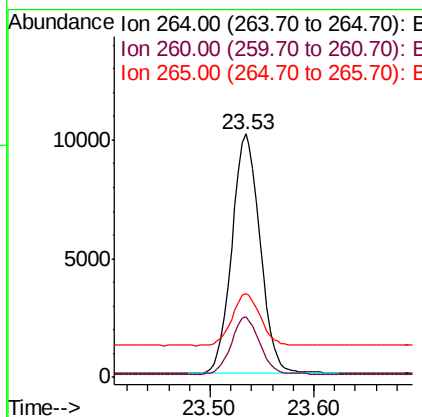
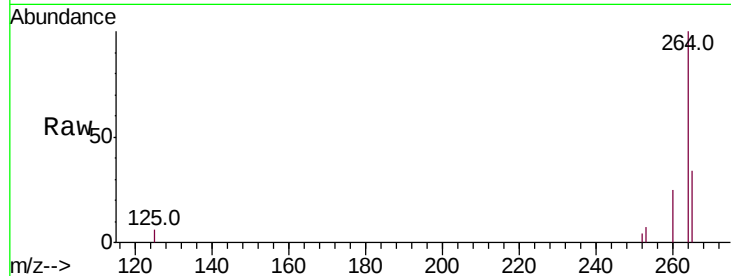




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.53 min Scan# 2629
Delta R.T. -0.01 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

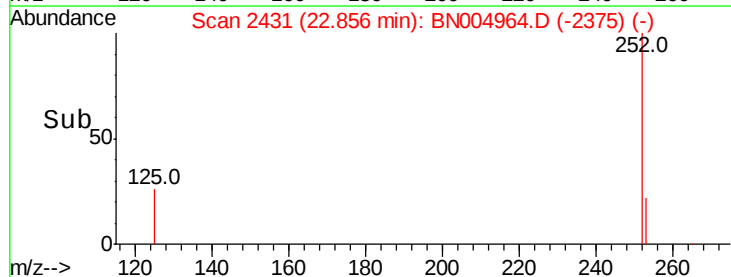
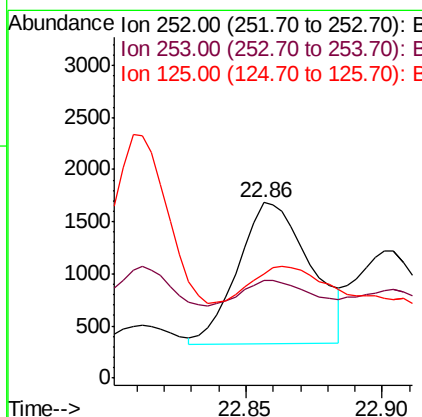
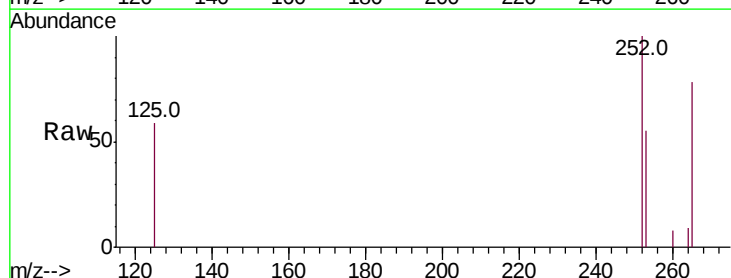
Instrument :
BNA_N
ClientSampleId :
PST-072-B156-031919

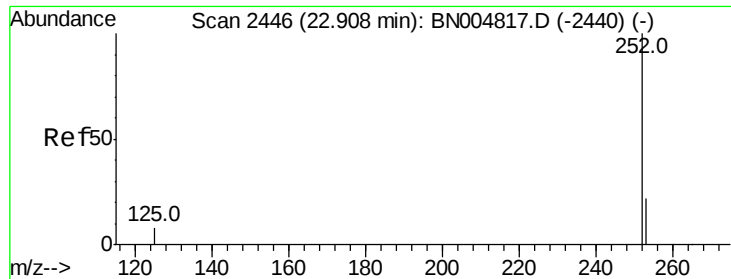
Tot Ion:264 Resp: 19121
Ion Ratio Lower Upper
264 100
260 24.9 19.5 29.3
265 34.3 23.1 34.7



#35
Benzo(b)fluoranthene
Concen: 0.036 ng
RT: 22.86 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

Tgt Ion:252 Resp: 2515
Ion Ratio Lower Upper
252 100
253 55.3 19.0 28.4#
125 59.2 7.4 11.2#

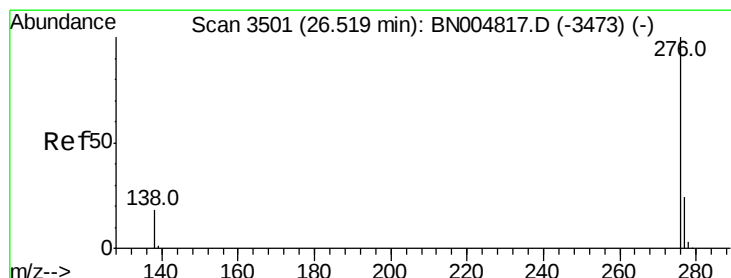
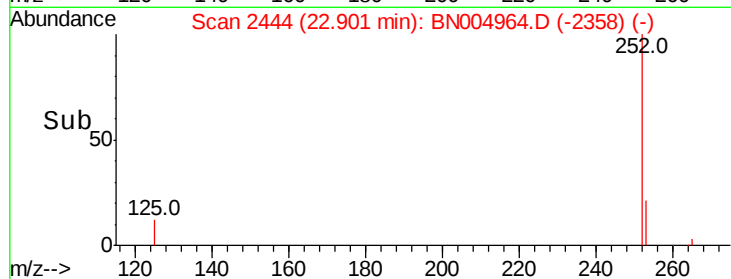
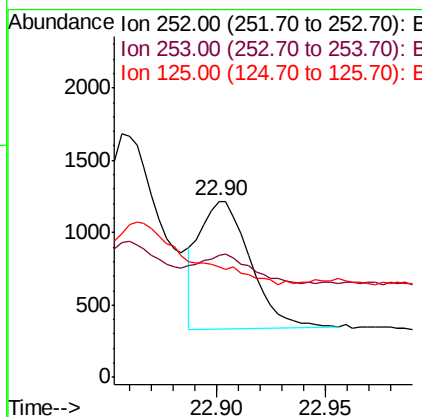
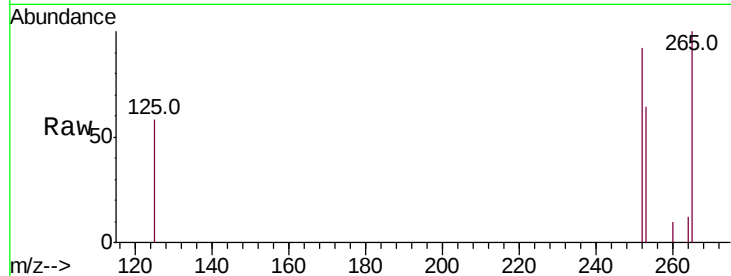




#36
Benzo(k)fluoranthene
Concen: 0.021 ng
RT: 22.90 min Scan# 2444
Delta R.T. -0.01 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

Instrument :
BNA_N
ClientSampleId :
PST-072-B156-031919

Tot Ion:252 Resp: 1423
Ion Ratio Lower Upper
252 100
253 69.3 19.3 28.9#
125 62.8 7.4 11.0#



#39
Benzo(g,h,i)perylene
Concen: 0.025 ng
RT: 26.51 min Scan# 3497
Delta R.T. -0.01 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

Tgt Ion:276 Resp: 1893
Ion Ratio Lower Upper
276 100
277 45.6 19.7 29.5#
138 48.1 14.6 22.0#

