

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004865.D
 Acq On : 22 Mar 2019 00:06
 Operator : JU/SJ
 Sample : K1817-18
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-028-SW066-030619

Quant Time: Mar 22 02:03:10 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	1714	0.40	ng	0.00
7) Naphthalene-d8	10.49	136	7906	0.40	ng	0.00
13) Acenaphthene-d10	14.33	164	5139	0.40	ng	-0.01
19) Phenanthrene-d10	17.09	188	13780	0.40	ng	0.00
27) Chrysene-d12	21.29	240	18615	0.40	ng	0.00
34) Perylene-d12	23.54	264	20709	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.29	112	1777	0.38	ng	0.00
5) Phenol-d6	6.87	99	2340	0.40	ng	0.00
8) Nitrobenzene-d5	8.87	82	1649	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.08	152	4445	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	1056	0.30	ng	0.00
15) 2-Fluorobiphenyl	12.96	172	6773	0.32	ng	0.00
25) Fluoranthene-d10	19.13	212	13333	0.29	ng	0.00
29) Terphenyl-d14	19.72	244	10055	0.26	ng	0.00

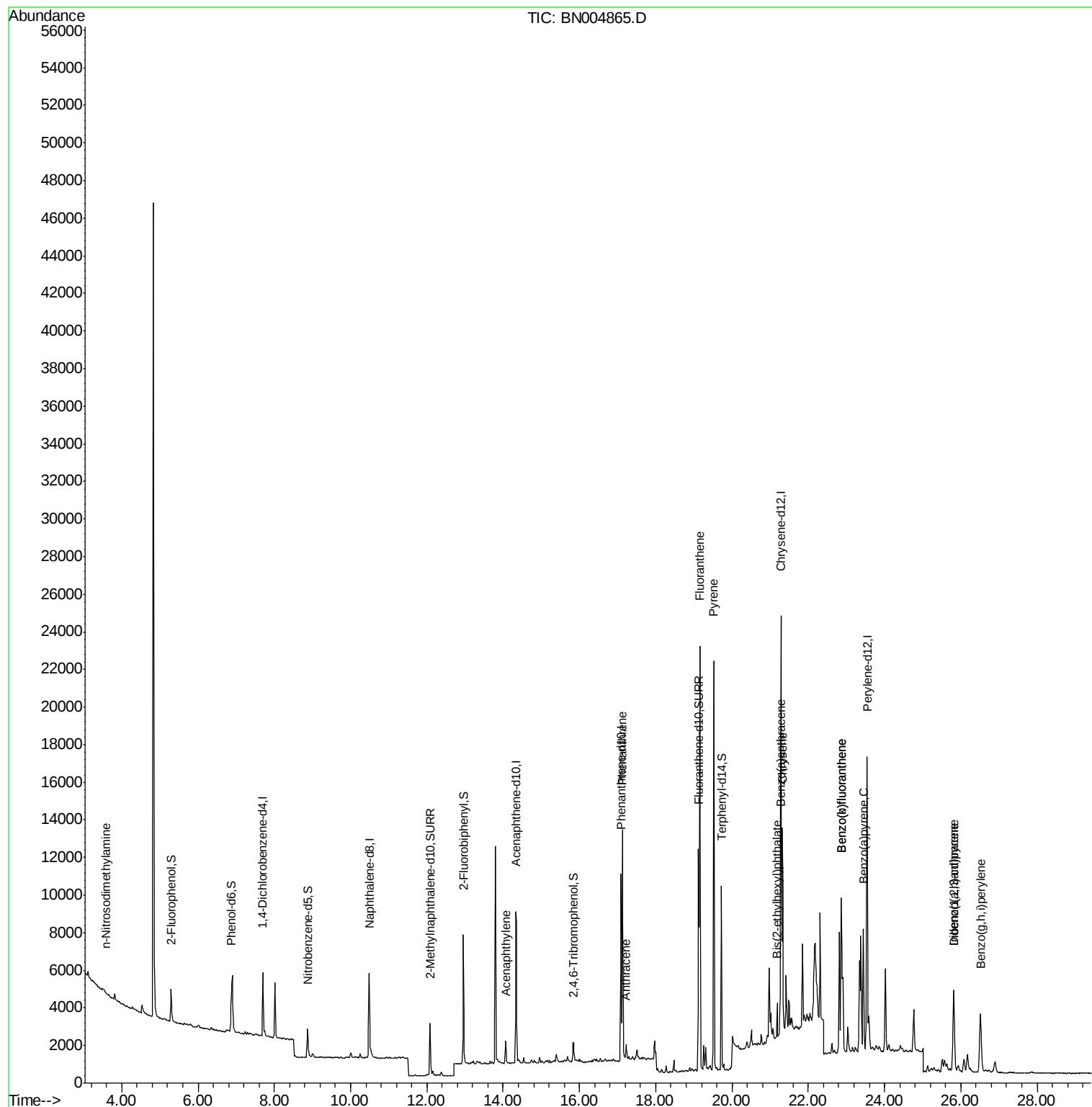
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.59	42	24	0.021	ng	# 1
16) Acenaphthylene	14.07	152	1535	0.058	ng	99
23) Phenanthrene	17.13	178	12838	0.289	ng	99
24) Anthracene	17.23	178	1046	0.026	ng	98
26) Fluoranthene	19.16	202	20732	0.363	ng	99
28) Pyrene	19.52	202	19703	0.347	ng	98
30) Benzo(a)anthracene	21.27	228	7974	0.131	ng	95
31) Chrysene	21.32	228	10588	0.165	ng	96
32) Bis(2-ethylhexyl)phthalate	21.18	149	1553	0.064	ng	# 98
33) Indeno(1,2,3-cd)pyrene	25.81	276	7019	0.075	ng	96
35) Benzo(b)fluoranthene	22.86	252	12630	0.169	ng	# 89
36) Benzo(k)fluoranthene	22.86	252	12630	0.171	ng	# 90
37) Benzo(a)pyrene	23.45	252	9113	0.133	ng	# 88
38) Dibenzo(a,h)anthracene	25.82	278	1657	0.021	ng	# 45
39) Benzo(a,h,i)perylene	26.52	276	6993	0.086	ng	94

(#) = 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: BN004865.D

Acq: 22 Mar 2019 00:06

Instrument :

BNA_N

ClientSampleId :

PST-028-SW066-030619

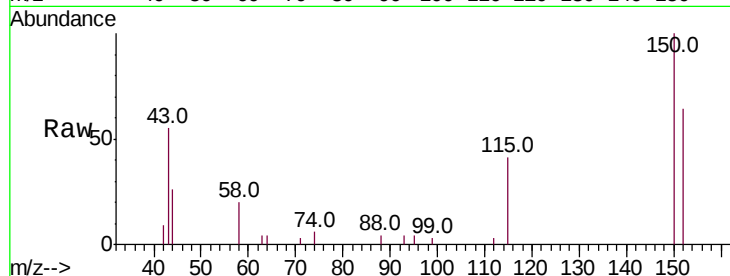
Tot Ion:152 Resp: 1714

Ion Ratio Lower Upper

152 100

150 156.3 126.2 189.4

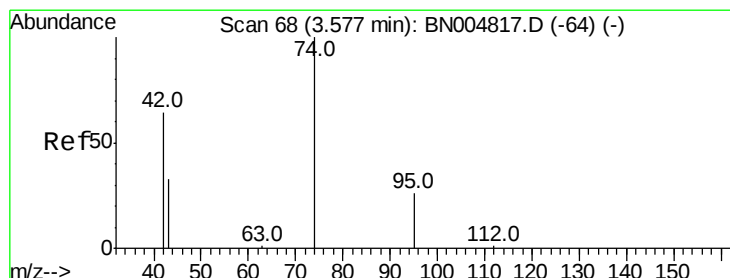
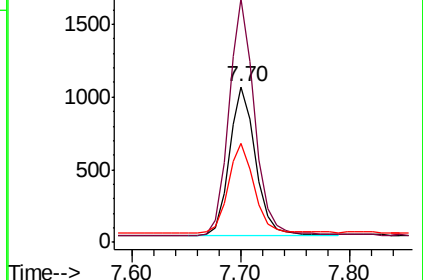
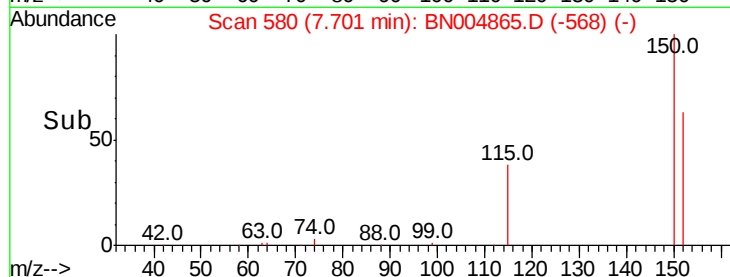
115 63.5 52.6 79.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#3

n-Nitrosodimethylamine

Concen: 0.021 ng

RT: 3.59 min Scan# 69

Delta R.T. 0.01 min

Lab File: BN004865.D

Acq: 22 Mar 2019 00:06

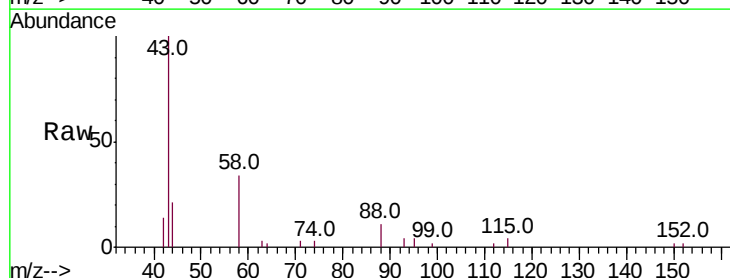
Tgt Ion: 42 Resp: 24

Ion Ratio Lower Upper

42 100

74 29.2 128.4 192.6#

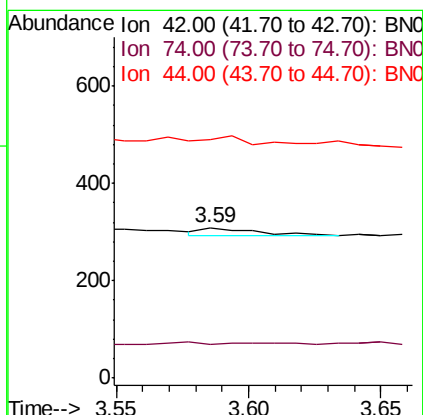
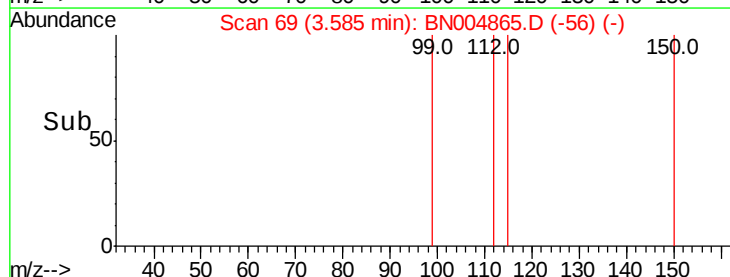
44 91.7 6.1 9.1#

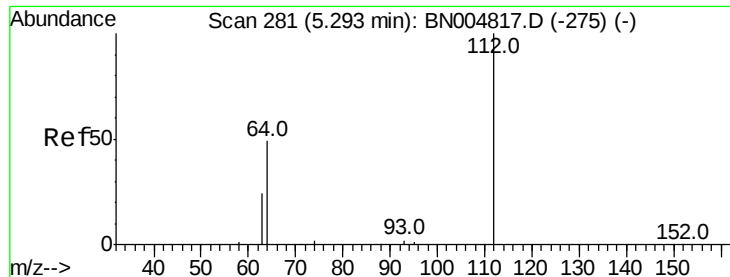


Abundance Ion 42.00 (41.70 to 42.70): BNC

Ion 74.00 (73.70 to 74.70): BNC

Ion 44.00 (43.70 to 44.70): BNC





#4

2-Fluorophenol

Concen: 0.381 ng

RT: 5.29 min Scan# 281

Delta R.T. 0.00 min

Lab File: BN004865.D

Acq: 22 Mar 2019 00:06

Instrument :

BNA_N

ClientSampleId :

PST-028-SW066-030619

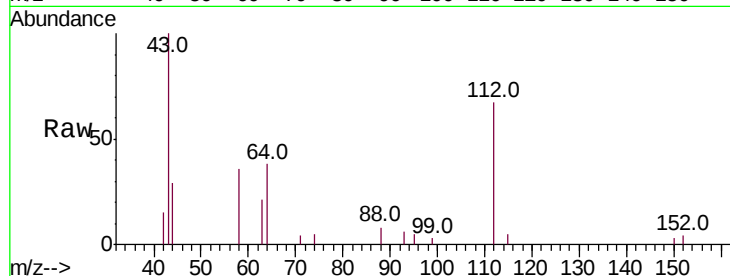
Tot Ion:112 Resp: 1777

Ion Ratio Lower Upper

112 100

64 51.5 40.0 60.0

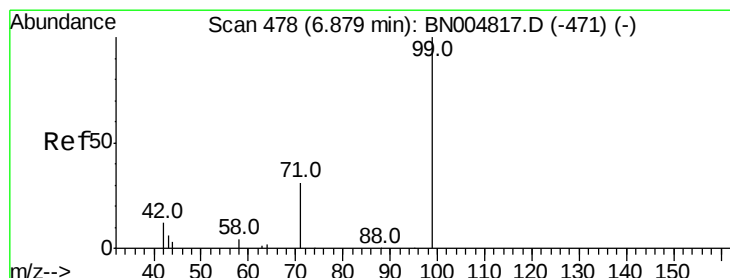
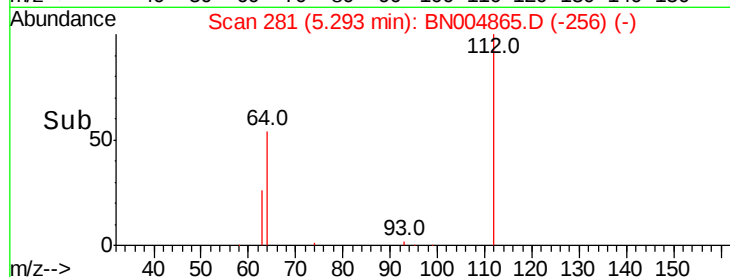
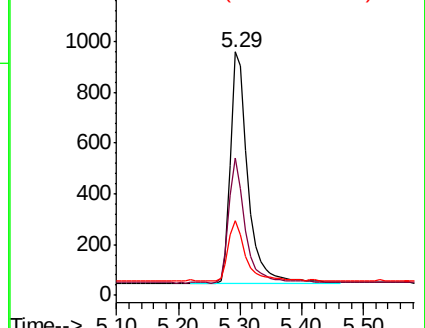
63 26.1 20.2 30.2



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#5

Phenol-d6

Concen: 0.403 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004865.D

Acq: 22 Mar 2019 00:06

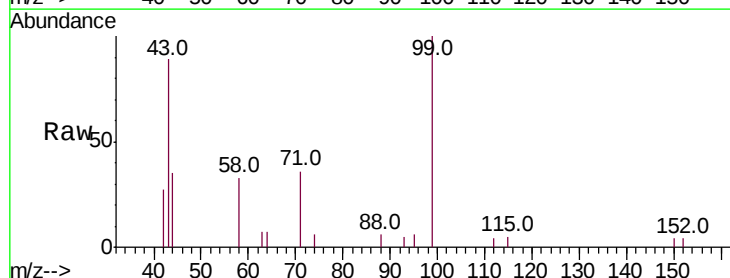
Tgt Ion: 99 Resp: 2340

Ion Ratio Lower Upper

99 100

42 24.2 12.7 19.1#

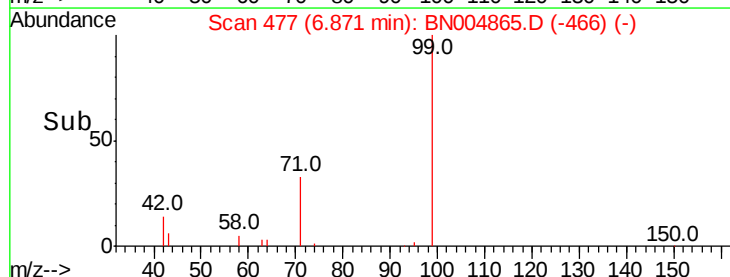
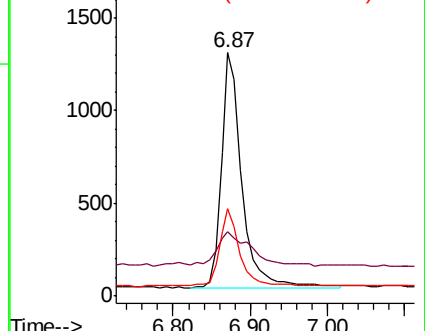
71 32.1 26.6 40.0

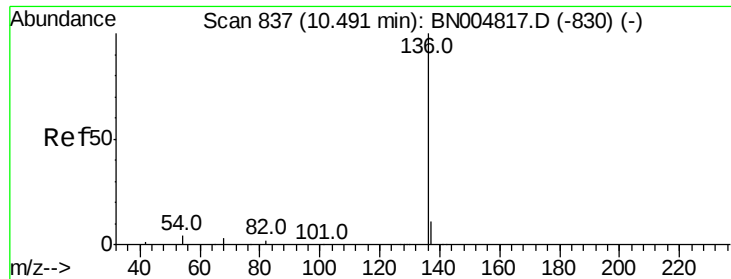


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.49 min Scan# 837

Delta R.T. 0.00 min

Lab File: BN004865.D

Acq: 22 Mar 2019 00:06

Instrument :

BNA_N

ClientSampleId :

PST-028-SW066-030619

Tot Ion:136 Resp: 7906

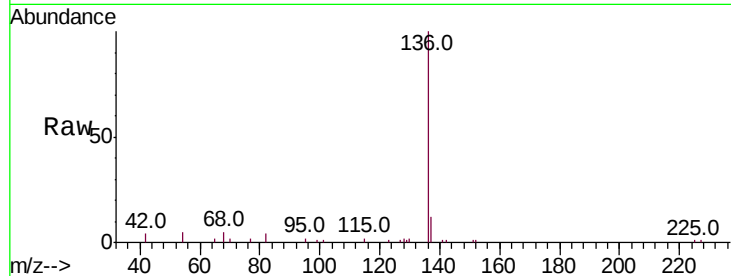
Ion Ratio Lower Upper

136 100

137 12.2 9.6 14.4

54 5.1 4.2 6.2

68 4.7 3.9 5.9

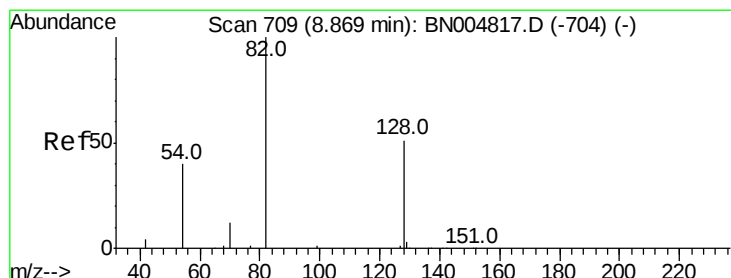
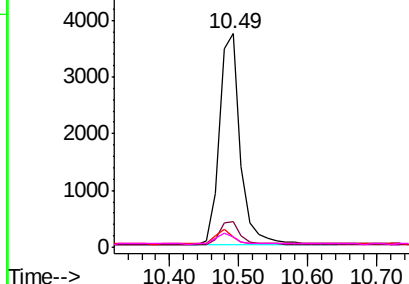
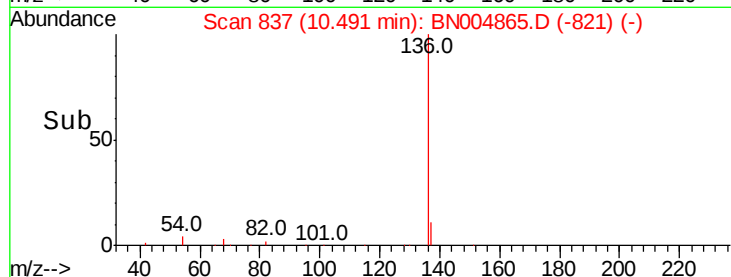


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.315 ng

RT: 8.87 min Scan# 709

Delta R.T. 0.00 min

Lab File: BN004865.D

Acq: 22 Mar 2019 00:06

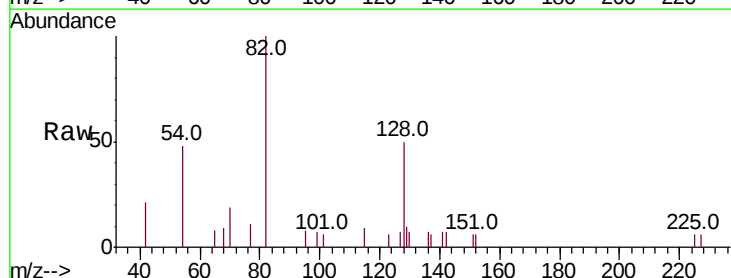
Tgt Ion: 82 Resp: 1649

Ion Ratio Lower Upper

82 100

128 50.5 43.0 64.6

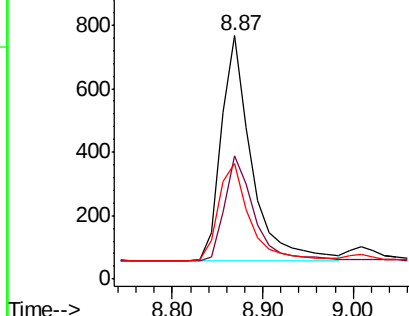
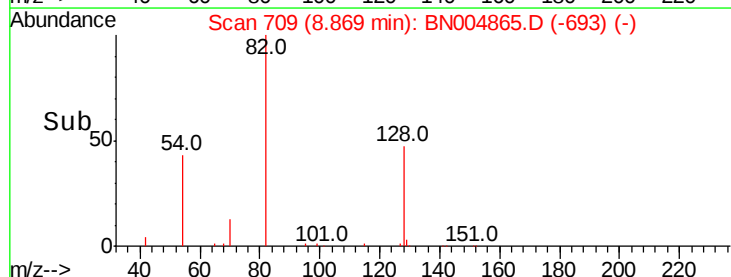
54 47.6 35.3 52.9

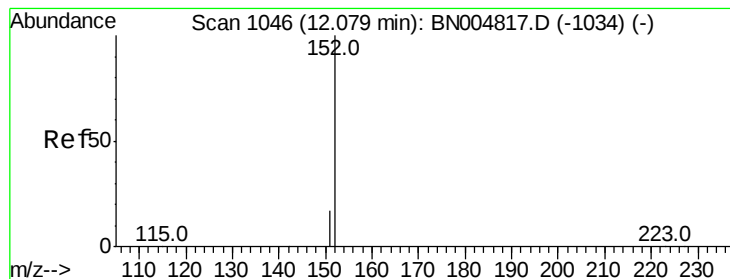


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

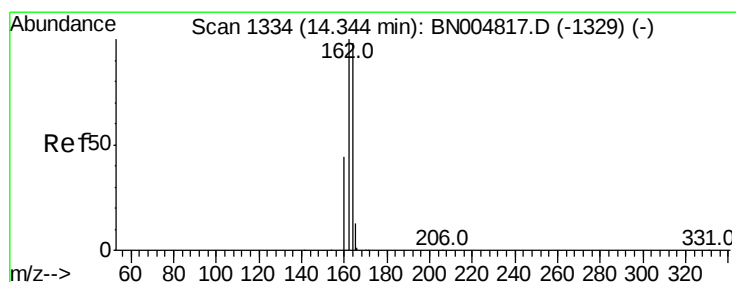
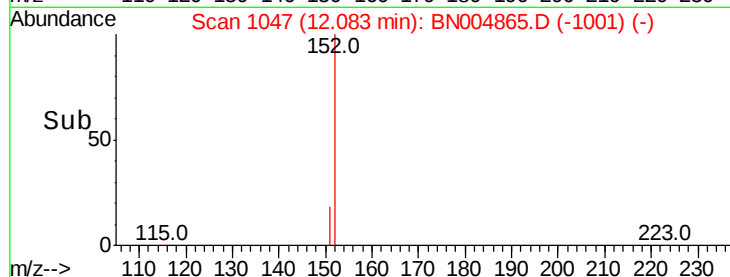
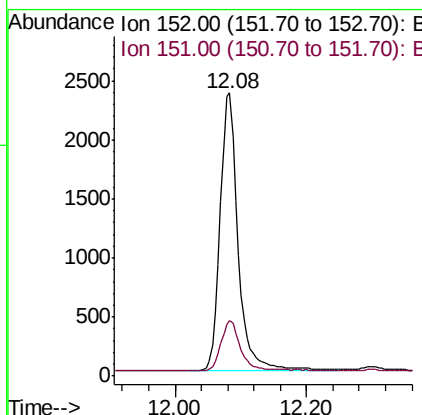
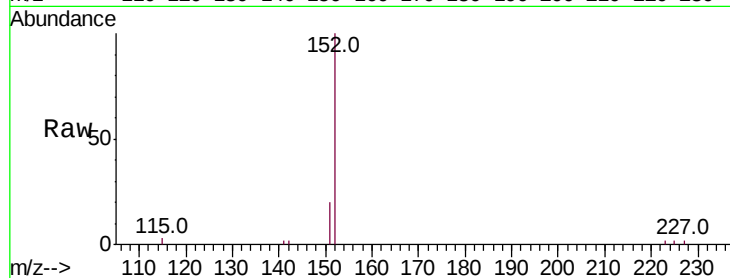




#11
 2-Methylnaphthalene-d10
 Concen: 0.322 ng
 RT: 12.08 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: BN004865.D
 Acq: 22 Mar 2019 00:06

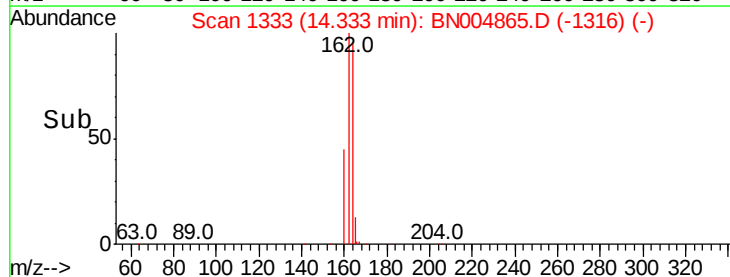
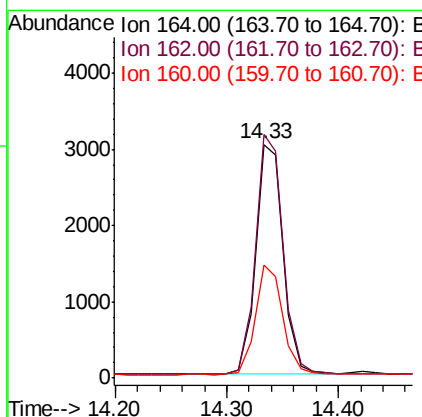
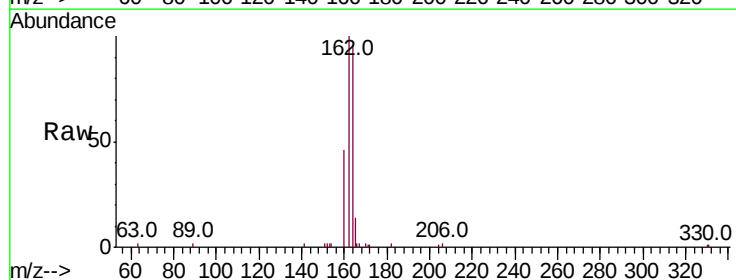
Instrument :
 BNA_N
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 PST-028-SW066-030619

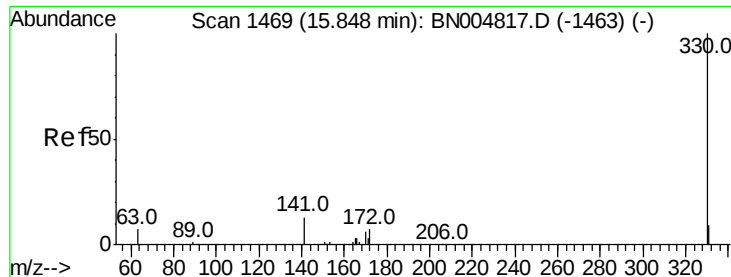
Tot Ion:152 Resp: 4445
 Ion Ratio Lower Upper
 152 100
 151 19.1 15.5 23.3



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.33 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BN004865.D
 Acq: 22 Mar 2019 00:06

Tgt Ion:164 Resp: 5139
 Ion Ratio Lower Upper
 164 100
 162 104.2 81.9 122.9
 160 48.1 36.6 54.8

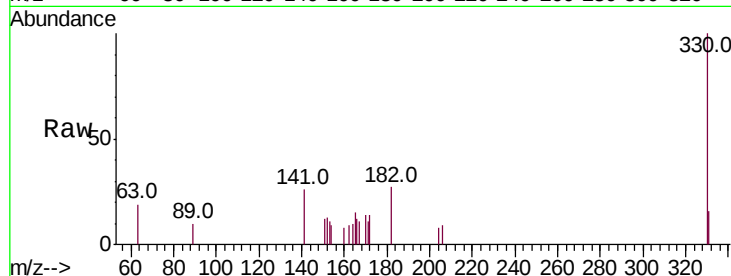




#14
 2,4,6-Tribromophenol
 Concen: 0.298 ng
 RT: 15.85 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: BN004865.D
 Acq: 22 Mar 2019 00:06

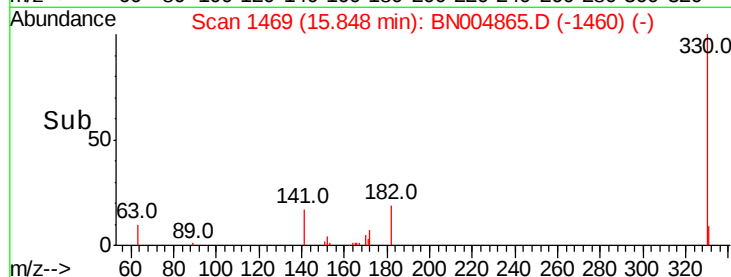
Instrument :
 BNA_N
 ClientSampleId :
 PST-028-SW066-030619

Tot Ion:330 Resp: 1056
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 27.6 20.9 31.3

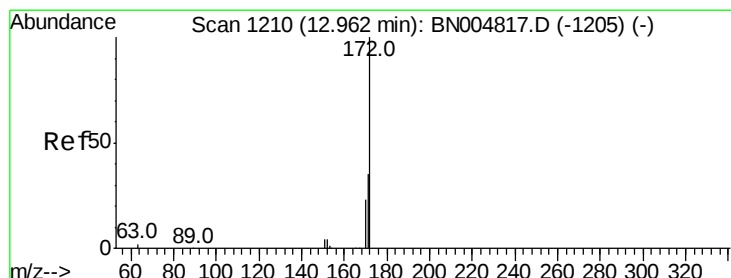


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

15.85

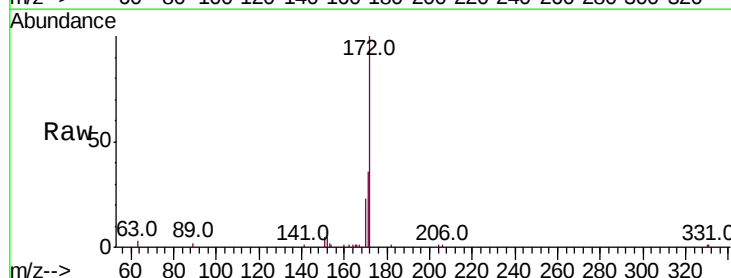


Time--> 15.70 15.80 15.90 16.00



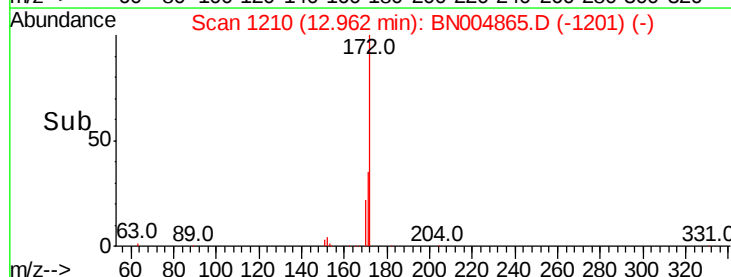
#15
 2-Fluorobiphenyl
 Concen: 0.319 ng
 RT: 12.96 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: BN004865.D
 Acq: 22 Mar 2019 00:06

Tgt Ion:172 Resp: 6773
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.7 43.1
 170 22.9 18.7 28.1

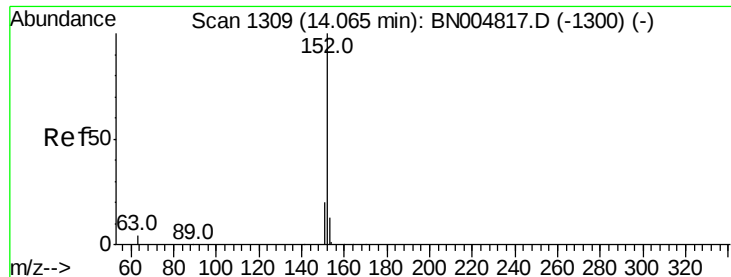


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

12.96



Time--> 12.90 13.00 13.10



#16

Acenaphthylene

Concen: 0.058 ng

RT: 14.07 min Scan# 1309

Delta R.T. 0.00 min

Lab File: BN004865.D

Acq: 22 Mar 2019 00:06

Instrument :

BNA_N

ClientSampleId :

PST-028-SW066-030619

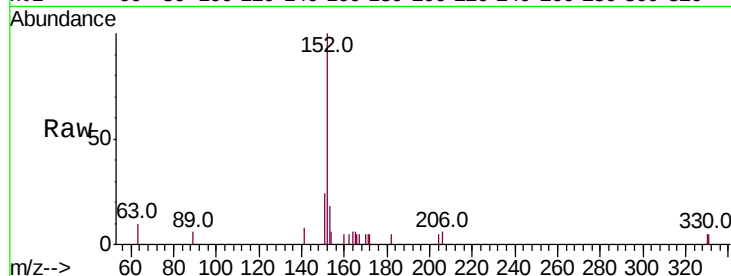
Tot Ion:152 Resp: 1535

Ion Ratio Lower Upper

152 100

151 20.5 16.1 24.1

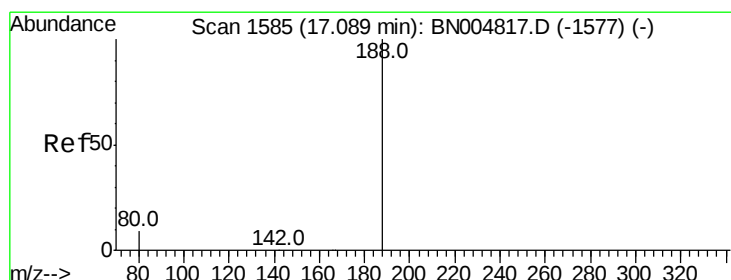
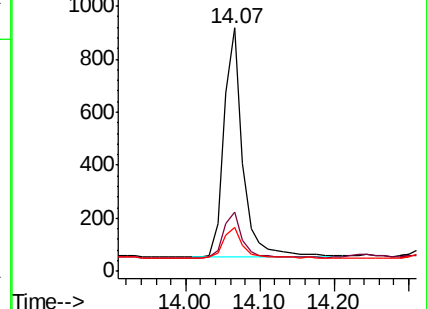
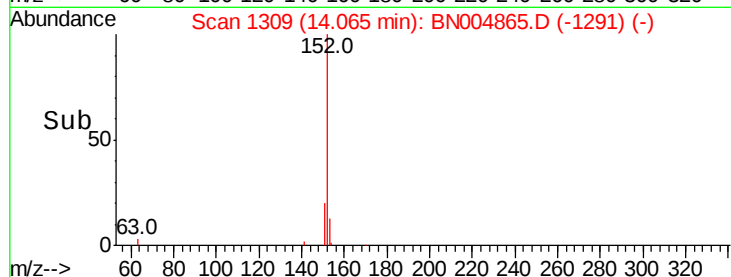
153 13.9 10.5 15.7



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: 17.09 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BN004865.D

Acq: 22 Mar 2019 00:06

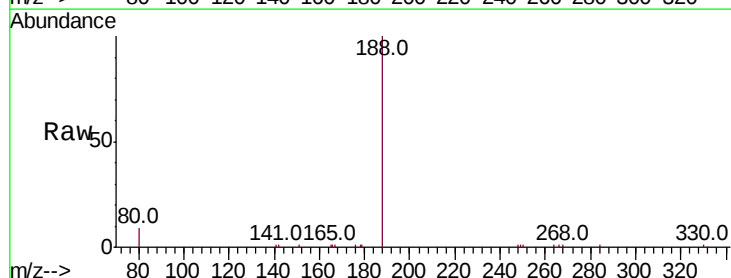
Tgt Ion:188 Resp: 13780

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

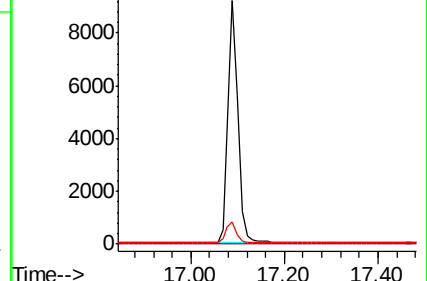
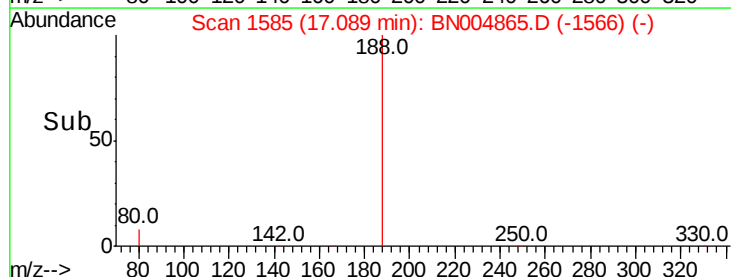
80 8.9 7.4 11.2

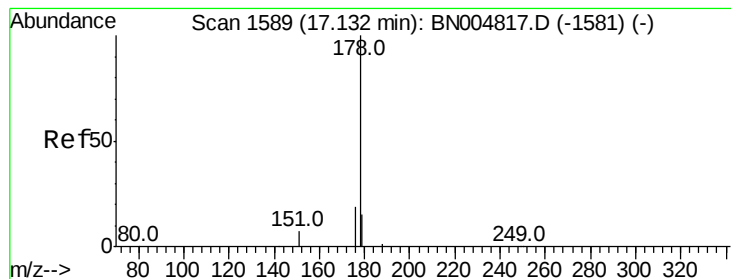


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#23

Phenanthrene

Concen: 0.289 ng

RT: 17.13 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BN004865.D

Acq: 22 Mar 2019 00:06

Instrument :

BNA_N

ClientSampleId :

PST-028-SW066-030619

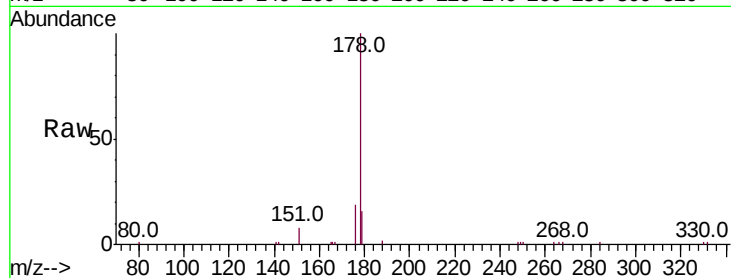
Tot Ion:178 Resp: 12838

Ion Ratio Lower Upper

178 100

176 18.9 14.9 22.3

179 15.7 12.1 18.1

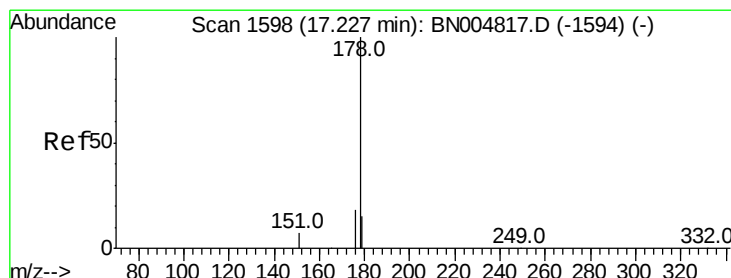
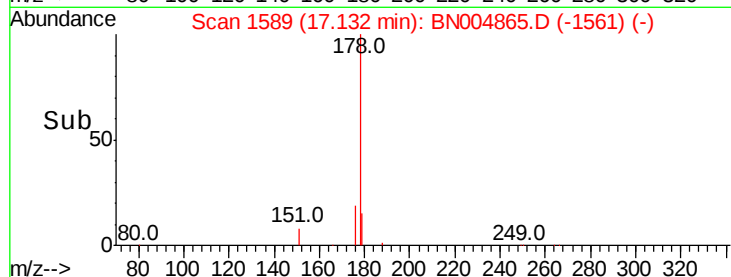
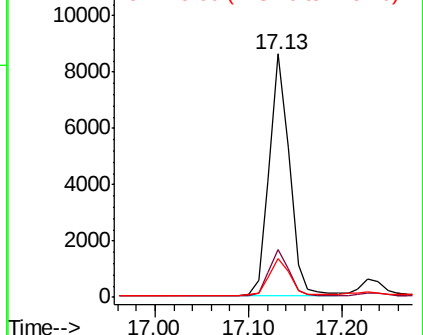


Abundance

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



#24

Anthracene

Concen: 0.026 ng

RT: 17.23 min Scan# 1598

Delta R.T. 0.00 min

Lab File: BN004865.D

Acq: 22 Mar 2019 00:06

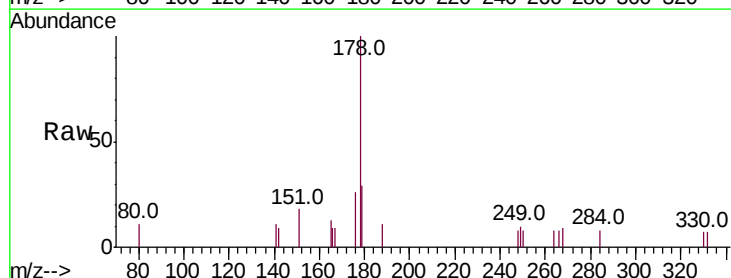
Tgt Ion:178 Resp: 1046

Ion Ratio Lower Upper

178 100

176 17.9 14.5 21.7

179 17.1 12.2 18.4

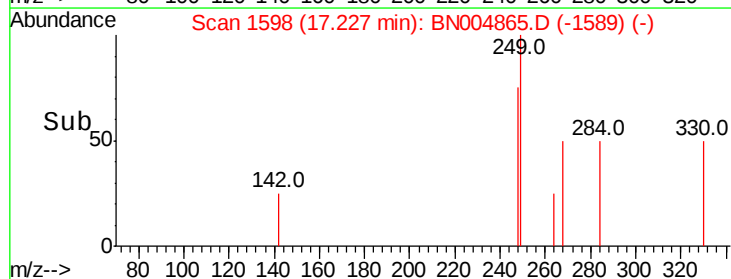
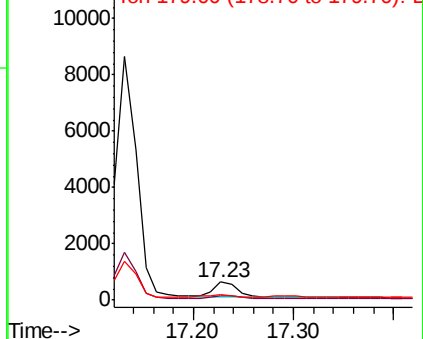


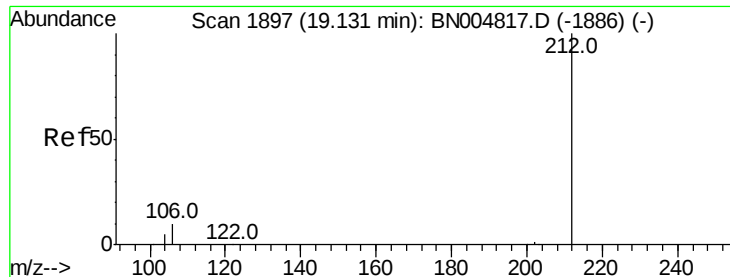
Abundance

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: 0.289 ng

RT: 19.13 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BN004865.D

Acq: 22 Mar 2019 00:06

Instrument :

BNA_N

ClientSampleId :

PST-028-SW066-030619

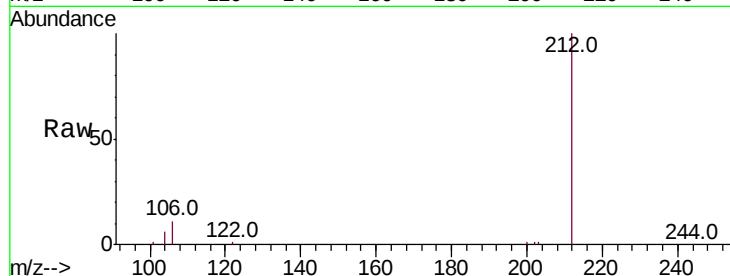
Tot Ion:212 Resp: 13333

Ion Ratio Lower Upper

212 100

106 11.3 8.6 13.0

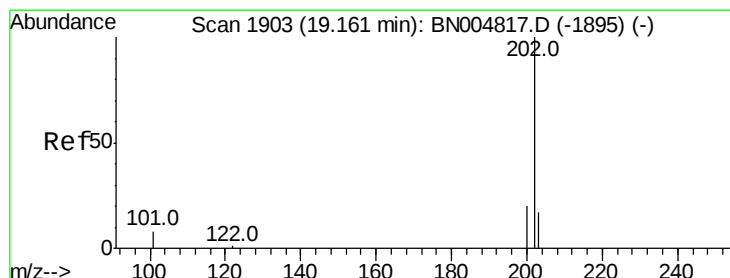
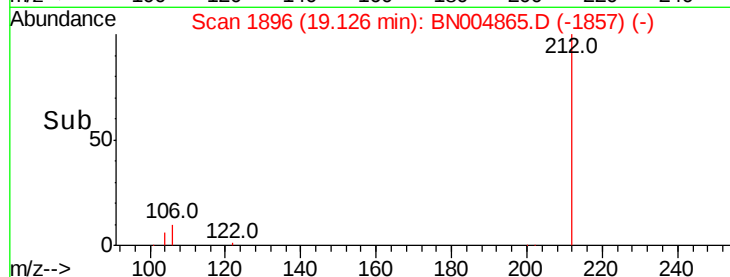
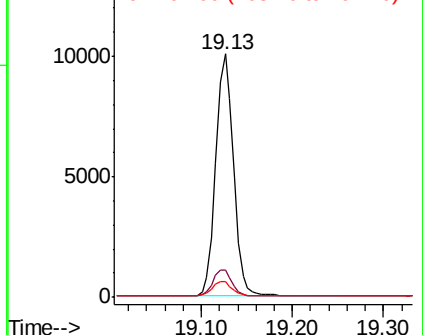
104 6.2 4.7 7.1



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: 0.363 ng

RT: 19.16 min Scan# 1902

Delta R.T. -0.00 min

Lab File: BN004865.D

Acq: 22 Mar 2019 00:06

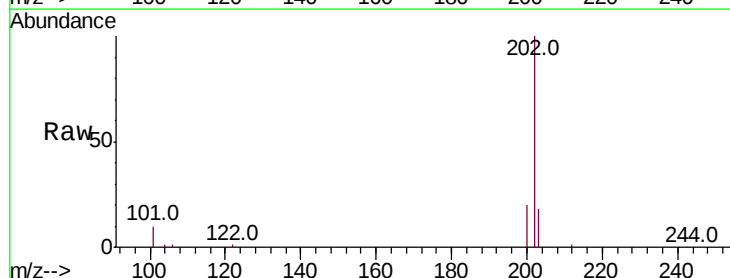
Tgt Ion:202 Resp: 20732

Ion Ratio Lower Upper

202 100

101 10.0 7.5 11.3

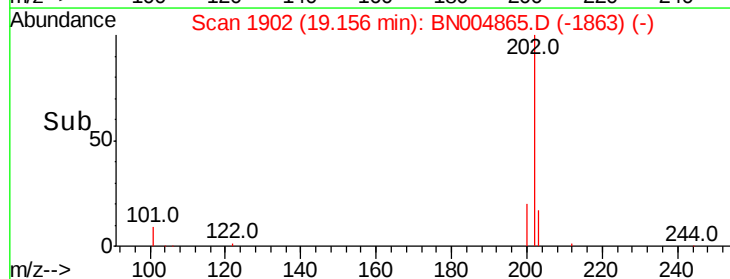
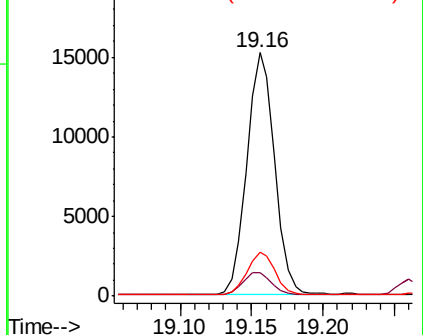
203 17.5 13.8 20.6

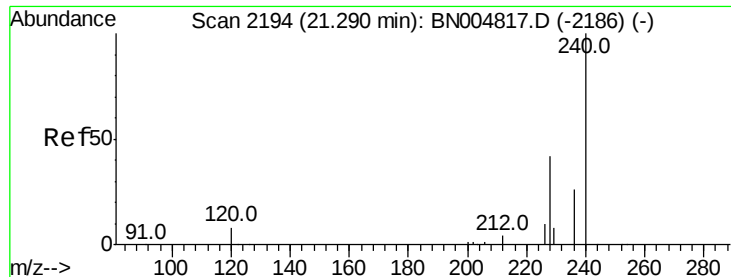


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.29 min Scan# 2194

Delta R.T. 0.00 min

Lab File: BN004865.D

Acq: 22 Mar 2019 00:06

Instrument :

BNA_N

ClientSampleId :

PST-028-SW066-030619

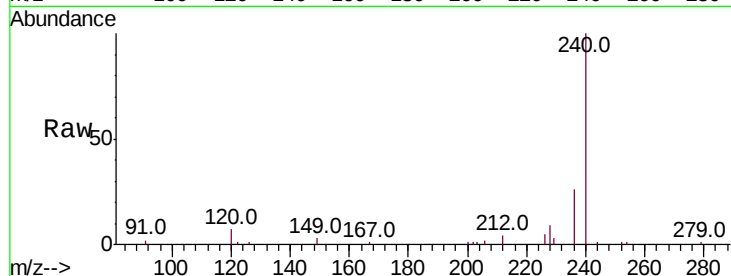
Tot Ion:240 Resp: 18615

Ion Ratio Lower Upper

240 100

120 7.3 7.2 10.8

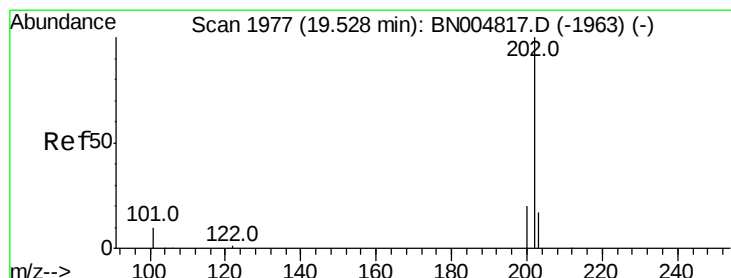
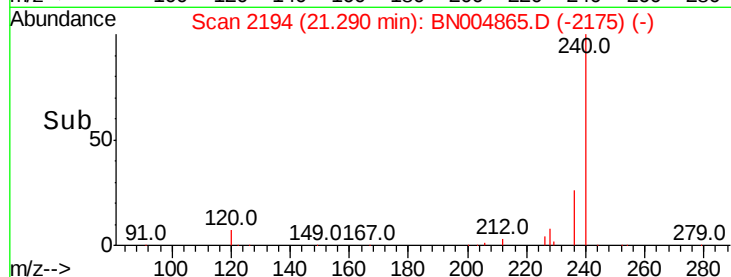
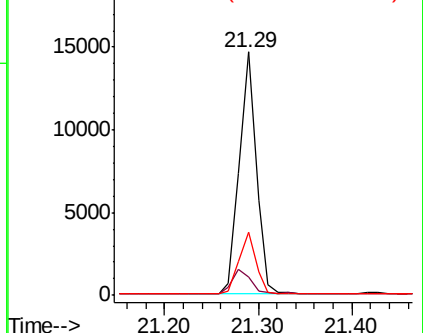
236 26.1 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

20000 Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.347 ng

RT: 19.52 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BN004865.D

Acq: 22 Mar 2019 00:06

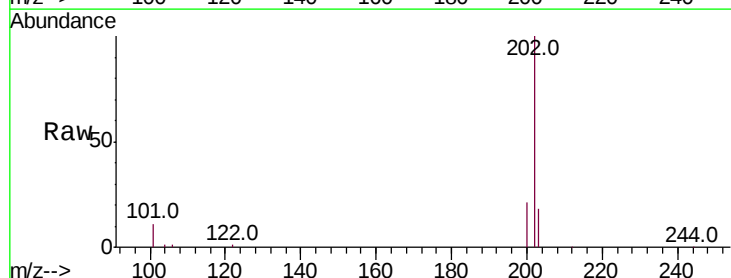
Tgt Ion:202 Resp: 19703

Ion Ratio Lower Upper

202 100

200 20.6 16.3 24.5

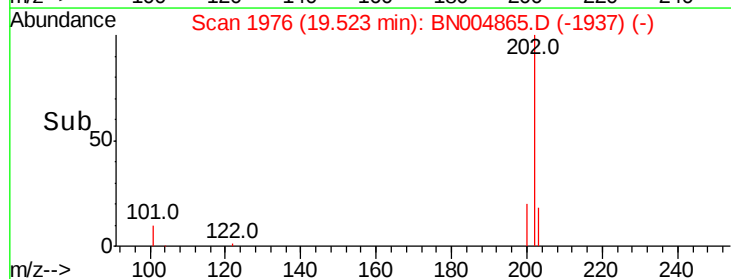
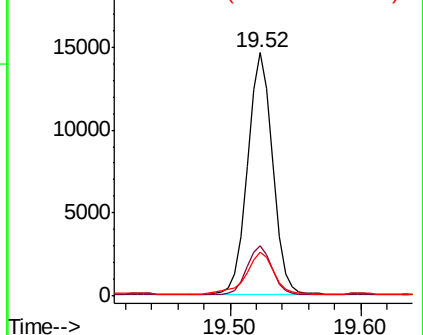
203 19.3 14.0 21.0

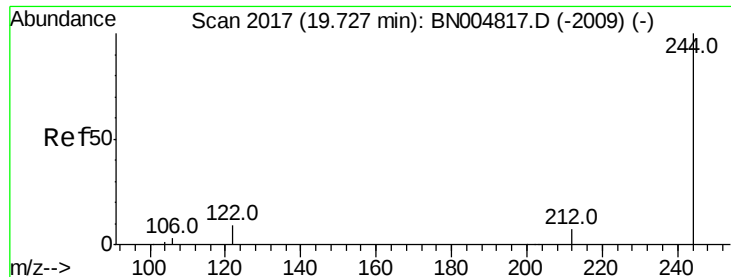


Abundance Ion 202.00 (201.70 to 202.70): E

20000 Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.264 ng

RT: 19.72 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BN004865.D

Acq: 22 Mar 2019 00:06

Instrument :

BNA_N

ClientSampleId :

PST-028-SW066-030619

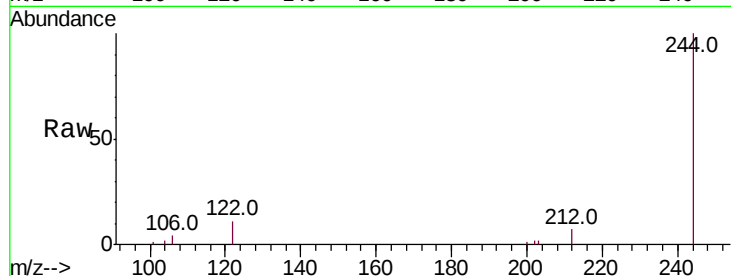
Tot Ion:244 Resp: 10055

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.6

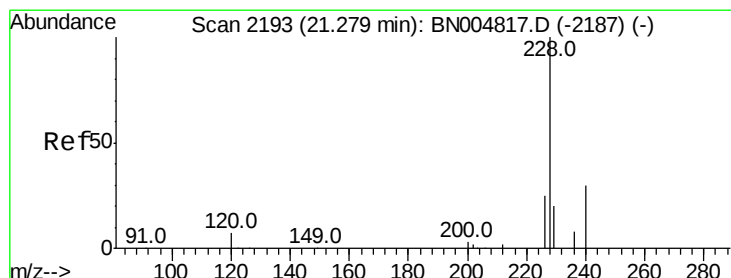
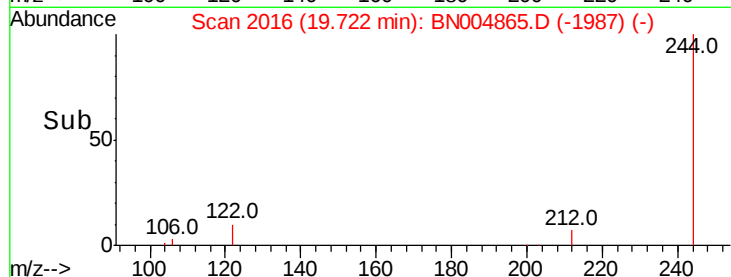
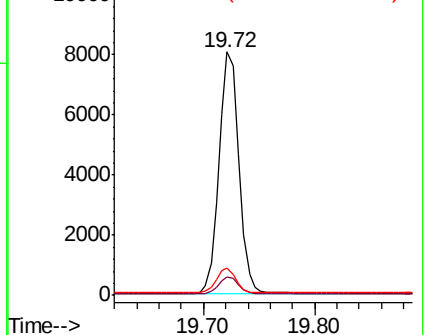
122 11.1 7.9 11.9



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: 0.131 ng

RT: 21.27 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BN004865.D

Acq: 22 Mar 2019 00:06

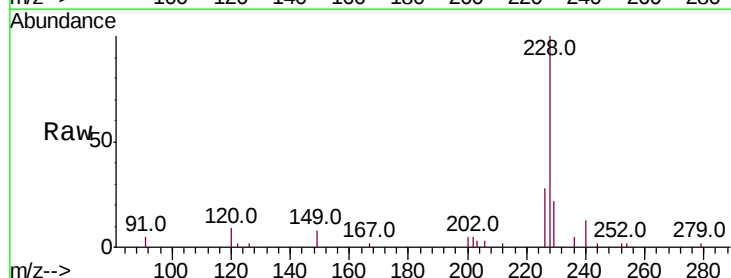
Tgt Ion:228 Resp: 7974

Ion Ratio Lower Upper

228 100

226 28.4 20.6 31.0

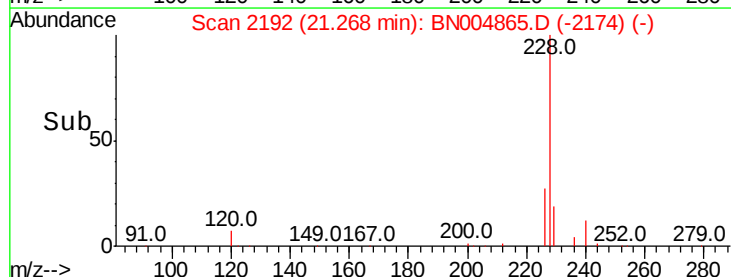
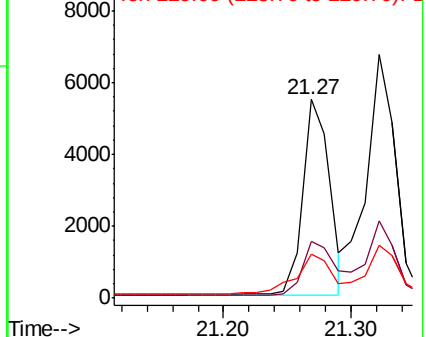
229 22.1 16.2 24.4

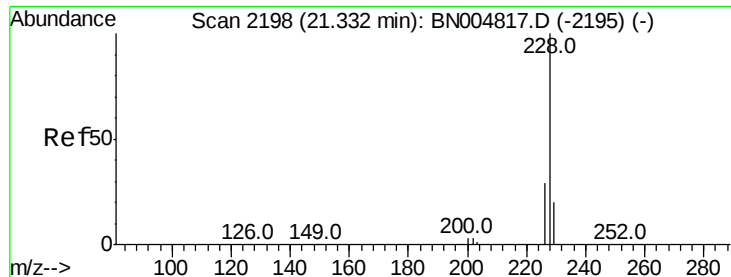


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.165 ng

RT: 21.32 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BN004865.D

Acq: 22 Mar 2019 00:06

Instrument :

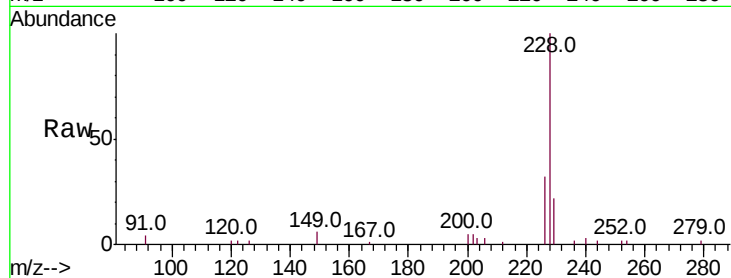
BNA_N

ClientSampleId :

PST-028-SW066-030619

Tot Ion:228 Resp: 10588

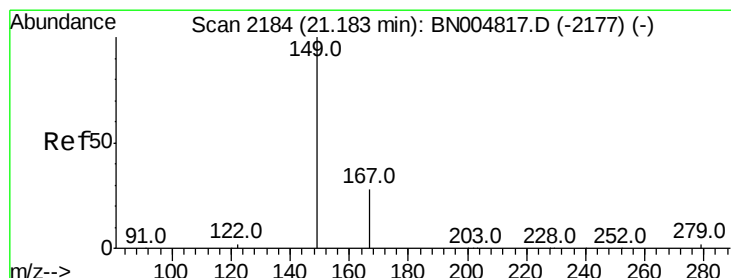
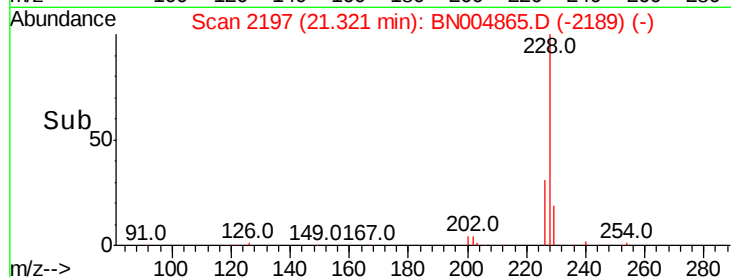
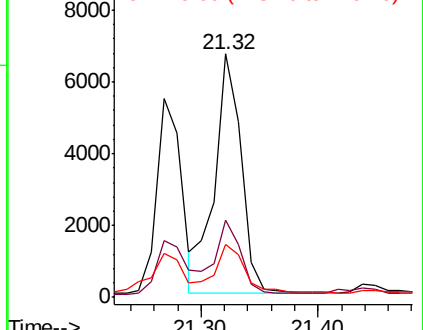
Ion	Ratio	Lower	Upper
228	100		
226	31.5	23.0	34.6
229	21.8	16.2	24.2



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: 0.064 ng

RT: 21.18 min Scan# 2184

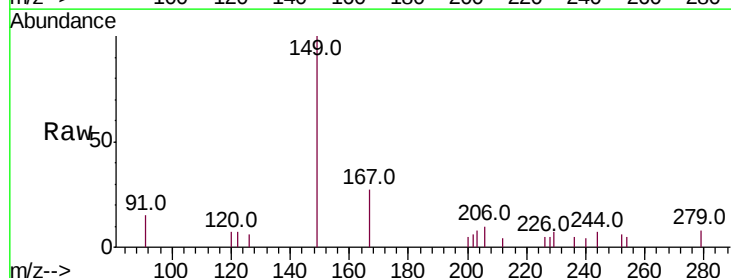
Delta R.T. 0.00 min

Lab File: BN004865.D

Acq: 22 Mar 2019 00:06

Tgt Ion:149 Resp: 1553

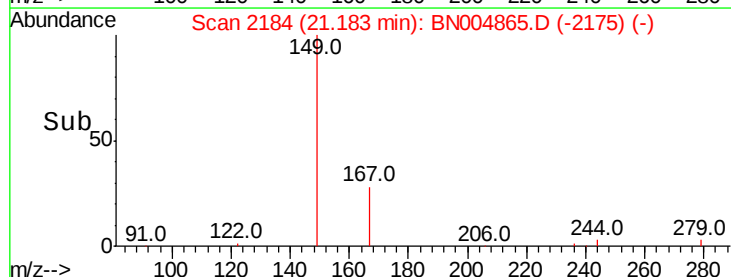
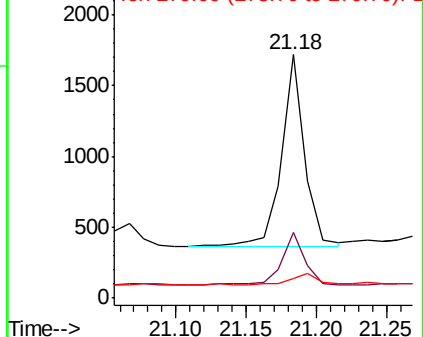
Ion	Ratio	Lower	Upper
149	100		
167	27.9	23.0	34.4
279	7.5	4.6	6.8#

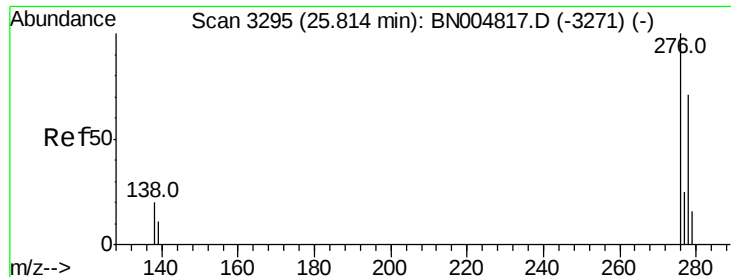


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.075 ng

RT: 25.81 min Scan# 3295

Delta R.T. 0.00 min

Lab File: BN004865.D

Acq: 22 Mar 2019 00:06

Instrument :

BNA_N

ClientSampleId :

PST-028-SW066-030619

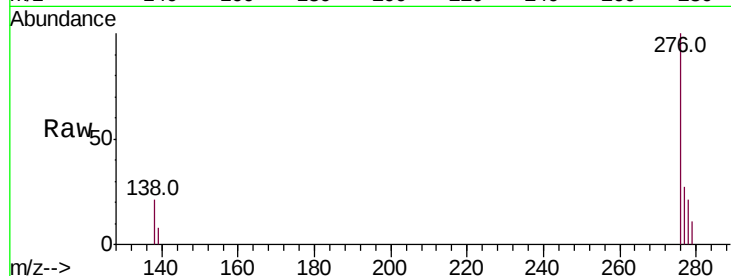
Tot Ion:276 Resp: 7019

Ion Ratio Lower Upper

276 100

138 18.0 16.6 24.8

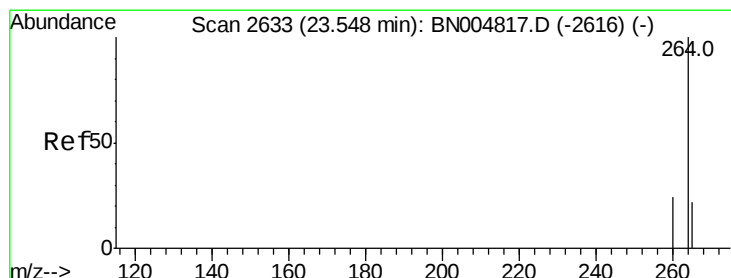
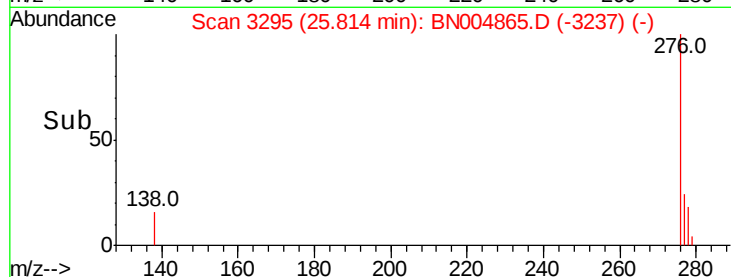
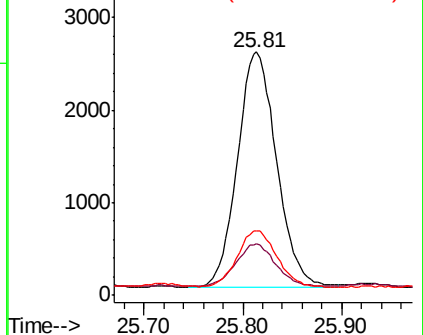
277 24.2 20.3 30.5



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: 23.54 min Scan# 2631

Delta R.T. -0.01 min

Lab File: BN004865.D

Acq: 22 Mar 2019 00:06

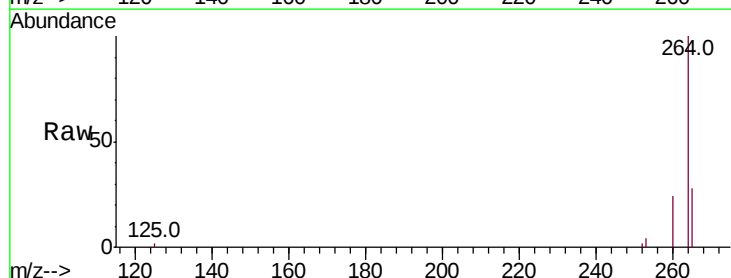
Tgt Ion:264 Resp: 20709

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

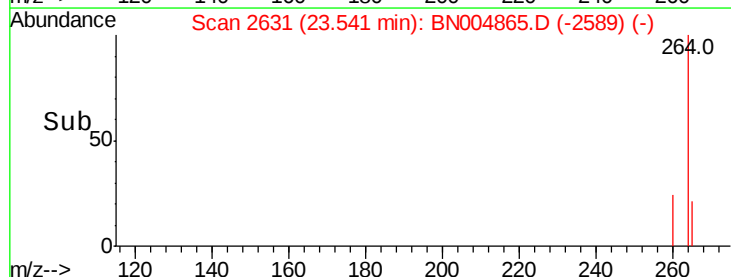
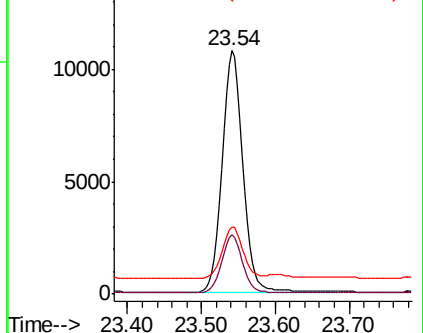
265 27.6 23.1 34.7

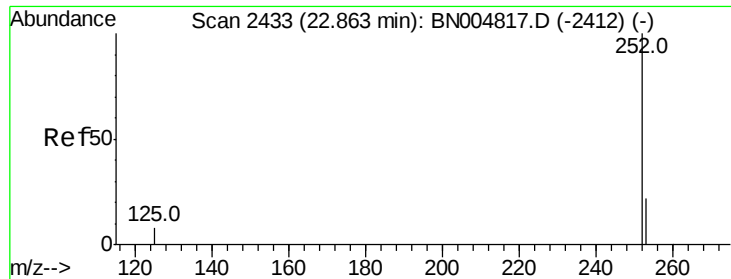


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.169 ng

RT: 22.86 min Scan# 2433

Delta R.T. 0.00 min

Lab File: BN004865.D

Acq: 22 Mar 2019 00:06

Instrument :

BNA_N

ClientSampleId :

PST-028-SW066-030619

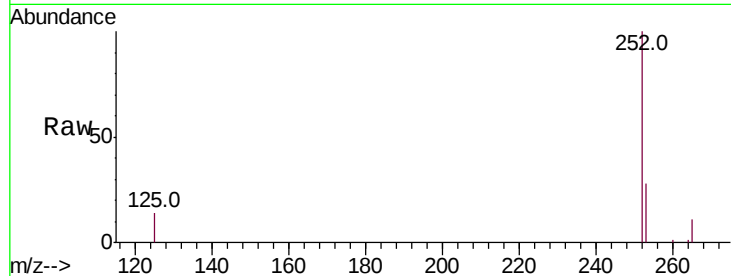
Tot Ion:252 Resp: 12630

Ion Ratio Lower Upper

252 100

253 28.4 19.0 28.4

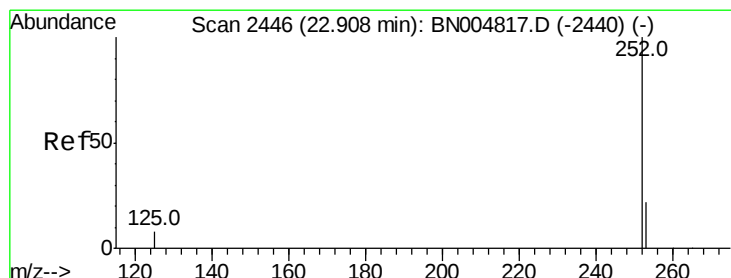
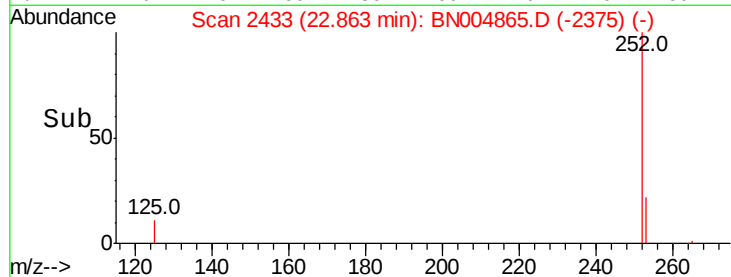
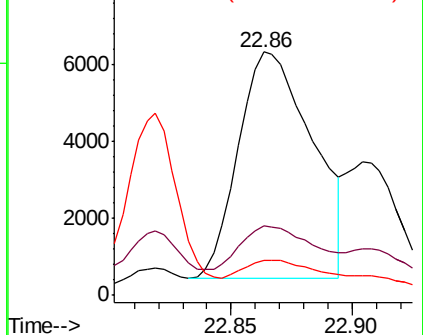
125 14.3 7.4 11.2#



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: 0.171 ng

RT: 22.86 min Scan# 2433

Delta R.T. -0.04 min

Lab File: BN004865.D

Acq: 22 Mar 2019 00:06

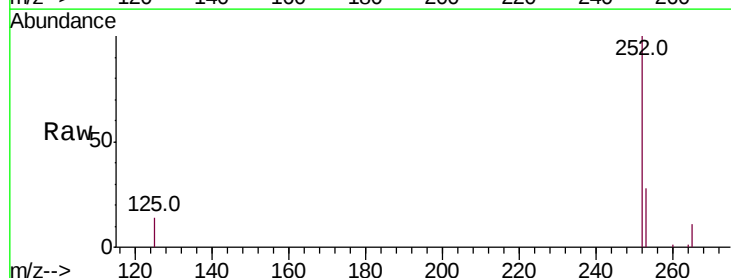
Tgt Ion:252 Resp: 12630

Ion Ratio Lower Upper

252 100

253 28.4 19.3 28.9

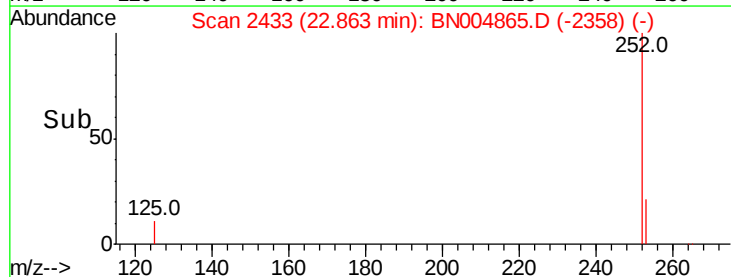
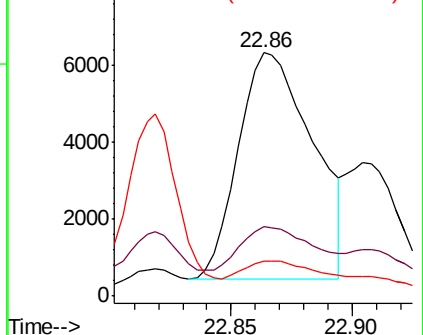
125 14.3 7.4 11.0#

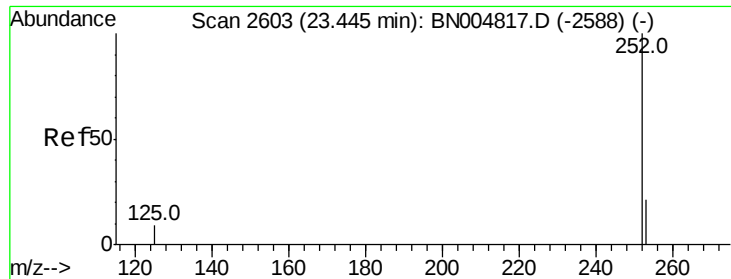


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.133 ng

RT: 23.45 min Scan# 2603

Delta R.T. 0.00 min

Lab File: BN004865.D

Acq: 22 Mar 2019 00:06

Instrument :

BNA_N

ClientSampleId :

PST-028-SW066-030619

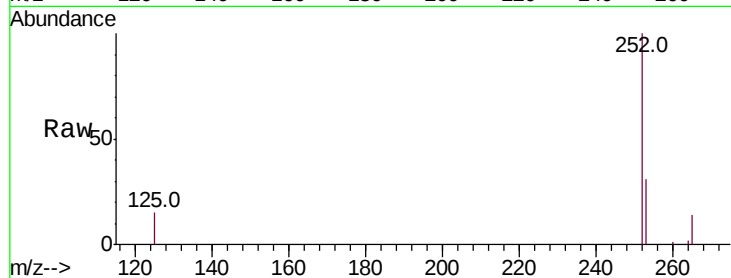
Tot Ion:252 Resp: 9113

Ion Ratio Lower Upper

252 100

253 30.9 19.7 29.5#

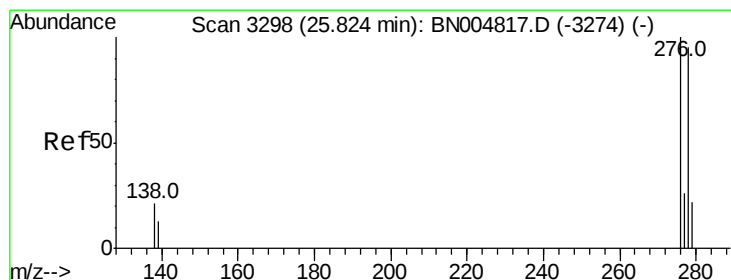
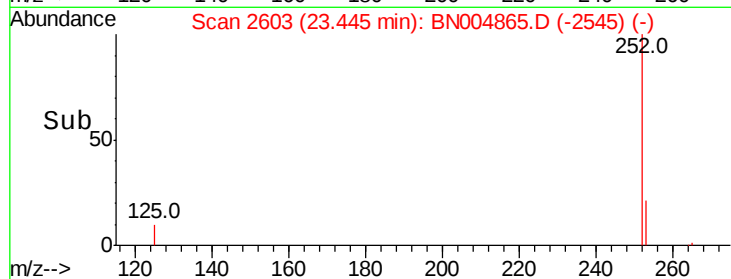
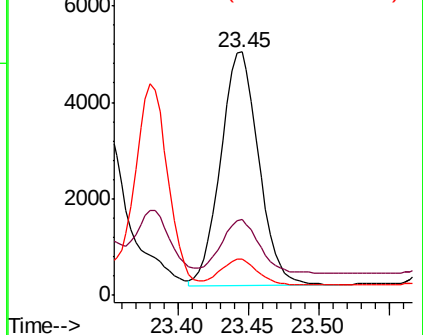
125 14.7 8.3 12.5#



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: 0.021 ng

RT: 25.82 min Scan# 3296

Delta R.T. -0.01 min

Lab File: BN004865.D

Acq: 22 Mar 2019 00:06

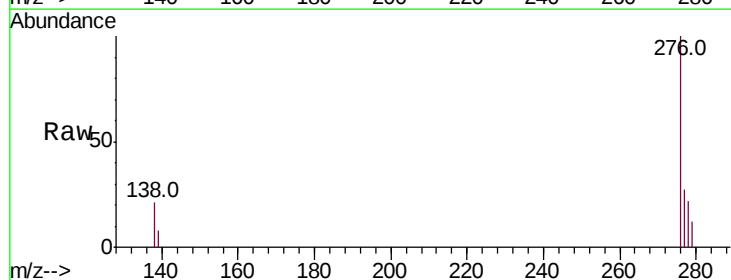
Tgt Ion:278 Resp: 1657

Ion Ratio Lower Upper

278 100

139 35.3 11.7 17.5#

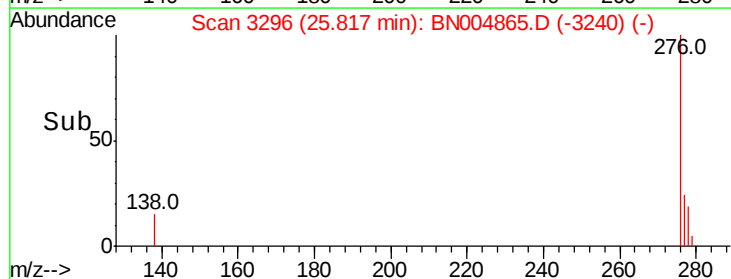
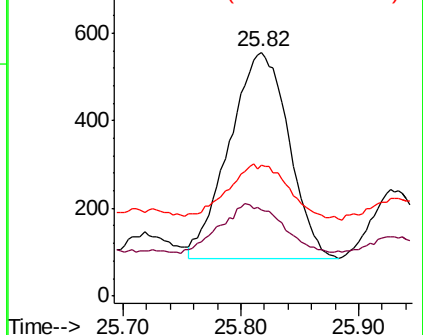
279 54.0 19.9 29.9#

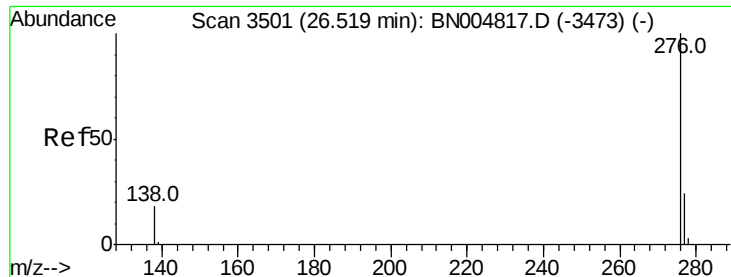


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.086 ng

RT: 26.52 min Scan# 3500

Delta R.T. -0.00 min

Lab File: BN004865.D

Acq: 22 Mar 2019 00:06

Instrument :

BNA_N

ClientSampleId :

PST-028-SW066-030619

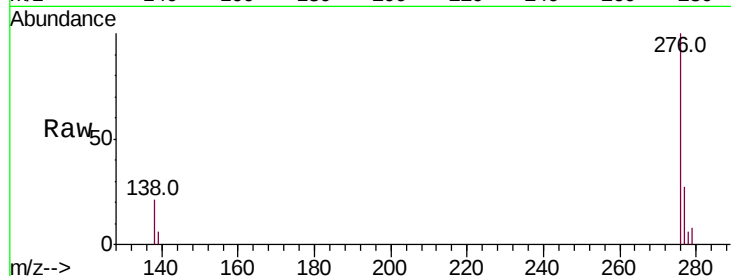
Tot Ion:276 Resp: 6993

Ion Ratio Lower Upper

276 100

277 26.8 19.7 29.5

138 21.5 14.6 22.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

