

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100319\
 Data File : BN008000.D
 Acq On : 04 Oct 2019 02:59
 Operator : JU
 Sample : K5077-13
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B263-092519

Quant Time: Oct 04 05:42:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 03 18:39:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	4650	0.40	ng	-0.02
7) Naphthalene-d8	10.46	136	19617	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	12544	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	27265	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	29104	0.40	ng	-0.02
34) Perylene-d12	23.46	264	31124	0.40	ng	-0.03

System Monitoring Compounds						
4) 2-Fluorophenol	5.31	112	5243	0.33	ng	0.00
5) Phenol-d6	6.87	99	7556	0.38	ng	0.00
8) Nitrobenzene-d5	8.82	82	5631	0.33	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	11967	0.36	ng	-0.02
14) 2,4,6-Tribromophenol	15.81	330	2352	0.34	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	16280	0.32	ng	-0.01
25) Fluoranthene-d10	19.09	212	32990	0.36	ng	-0.01
29) Terphenyl-d14	19.69	244	26896	0.38	ng	-0.02

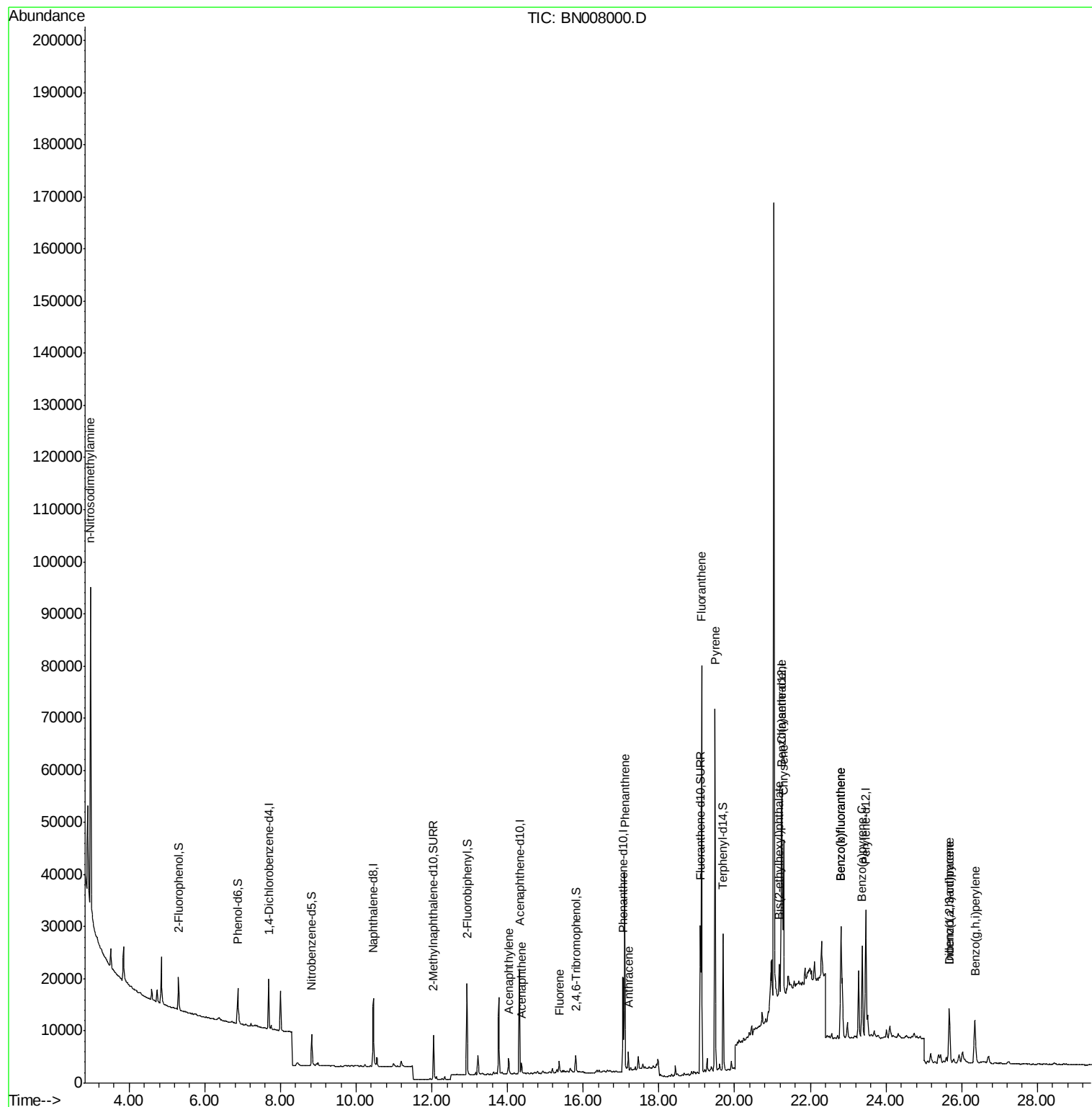
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	2.98	42	5760	2.426	ng	# 78
16) Acenaphthylene	14.02	152	4422	0.066	ng	99
17) Acenaphthene	14.37	154	1167	0.027	ng	96
18) Fluorene	15.36	166	1748	0.032	ng	# 88
23) Phenanthrene	17.09	178	41854	0.493	ng	100
24) Anthracene	17.19	178	3699	0.048	ng	# 88
26) Fluoranthene	19.12	202	69723	0.660	ng	99
28) Pyrene	19.49	202	62484	0.629	ng	96
30) Benzo(a)anthracene	21.24	228	23798	0.222	ng	# 88
31) Chrysene	21.29	228	28126	0.269	ng	# 94
32) Bis(2-ethylhexyl)phthalate	21.17	149	6665	0.121	ng	94
33) Indeno(1,2,3-cd)pyrene	25.68	276	17102	0.131	ng	96
35) Benzo(b)fluoranthene	22.81	252	34015	0.315	ng	# 80
36) Benzo(k)fluoranthene	22.81	252	34015	0.318	ng	# 81
37) Benzo(a)pyrene	23.37	252	23113	0.228	ng	# 73
38) Dibenzo(a,h)anthracene	25.68	278	3970	0.038	ng	# 12
39) Benzo(g,h,i)perylene	26.35	276	16892	0.164	ng	# 85

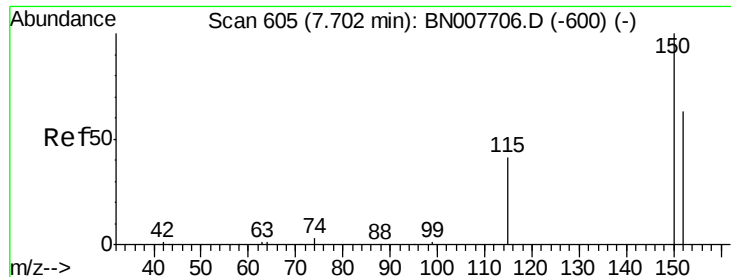
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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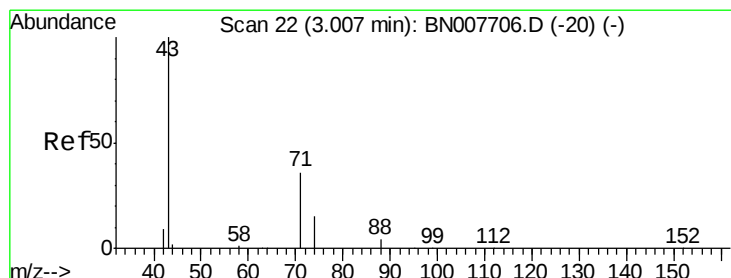
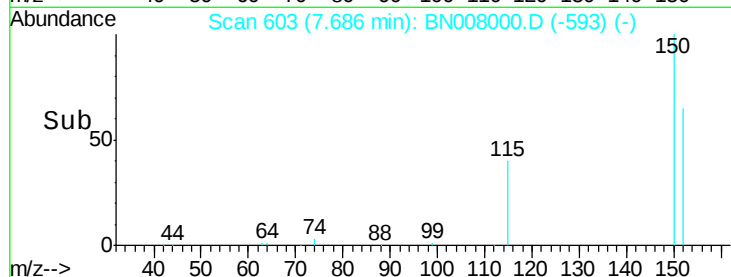
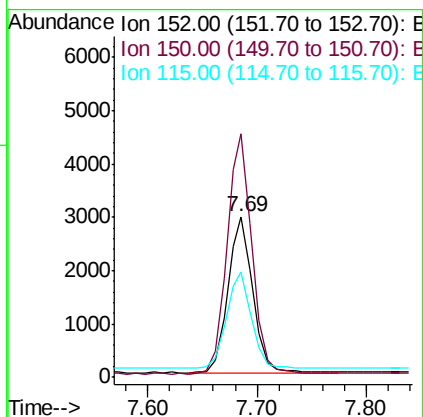
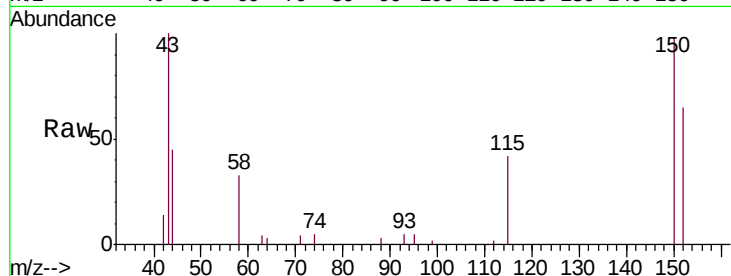


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 603
Delta R.T. -0.02 min
Lab File: BN008000.D
Acq: 04 Oct 2019 02:59

Instrument :
BNA_N
ClientSampleId :
PST-024-B263-092519

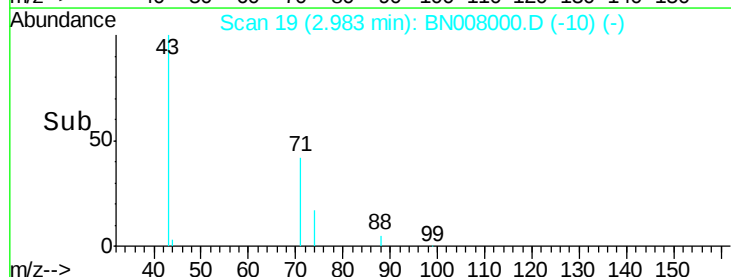
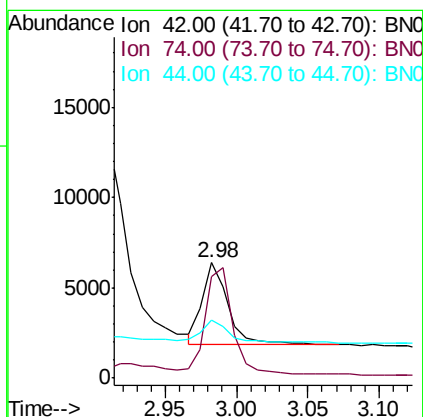
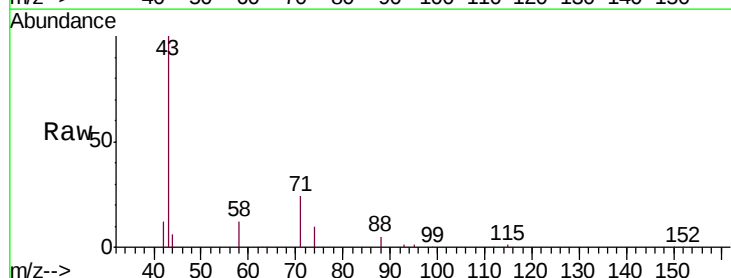
Tgt Ion: 152 Resp: 4650
Ion Ratio Lower Upper
152 100
150 151.4 125.6 188.4
115 65.5 53.3 79.9



#3

n-Nitrosodimethylamine
Concen: 2.426 ng
RT: 2.98 min Scan# 19
Delta R.T. -0.02 min
Lab File: BN008000.D
Acq: 04 Oct 2019 02:59

Tgt Ion: 42 Resp: 5760
Ion Ratio Lower Upper
42 100
74 137.2 87.9 131.9#
44 31.6 29.4 44.0





#4

2-Fluorophenol

Concen: 0.328 ng

RT: 5.31 min Scan# 308

Delta R.T. -0.01 min

Lab File: BN008000.D

Acq: 04 Oct 2019 02:59

Instrument :

BNA_N

ClientSampleId :

PST-024-B263-092519

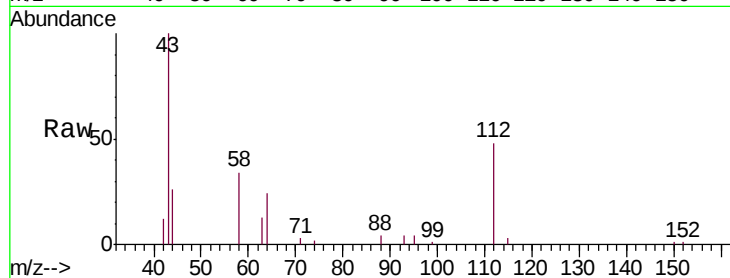
Tgt Ion: 112 Resp: 5243

Ion Ratio Lower Upper

112 100

64 58.5 46.6 70.0

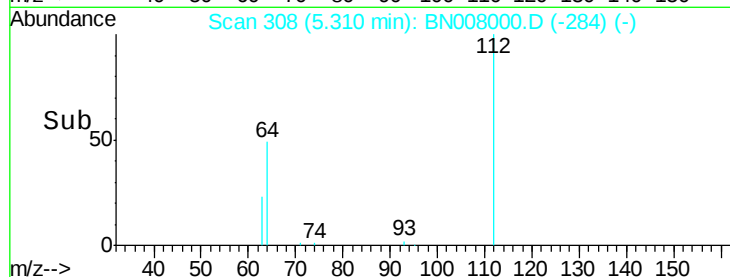
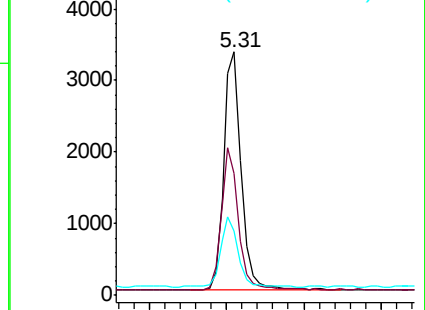
63 29.9 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#5

Phenol-d6

Concen: 0.378 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN008000.D

Acq: 04 Oct 2019 02:59

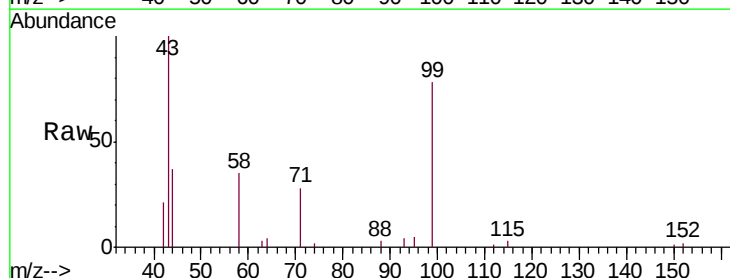
Tgt Ion: 99 Resp: 7556

Ion Ratio Lower Upper

99 100

42 15.4 12.8 19.2

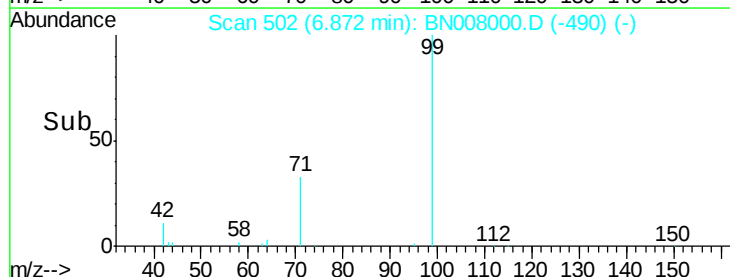
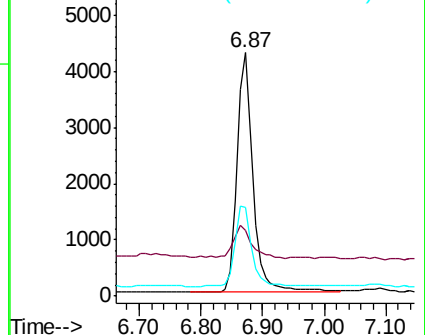
71 35.7 27.6 41.4



Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.46 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN008000.D

Acq: 04 Oct 2019 02:59

Instrument :

BNA_N

ClientSampleId :

PST-024-B263-092519

Tgt Ion:136 Resp: 19617

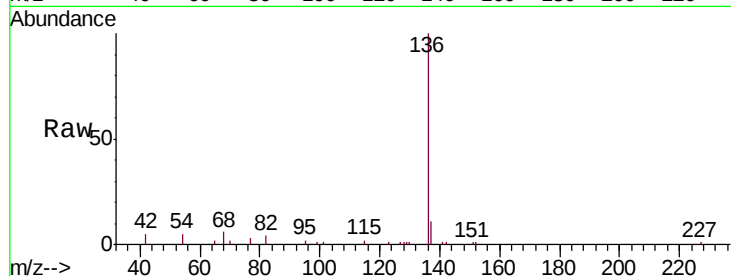
Ion Ratio Lower Upper

136 100

137 11.5 9.2 13.8

54 5.4 5.8 8.8#

68 6.0 6.5 9.7#

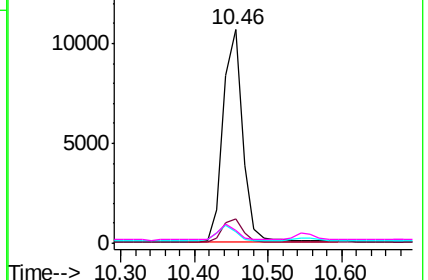
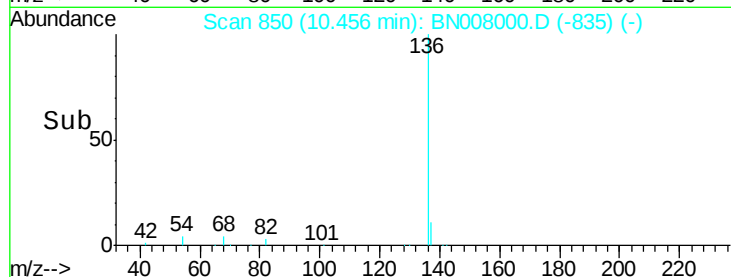


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.328 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN008000.D

Acq: 04 Oct 2019 02:59

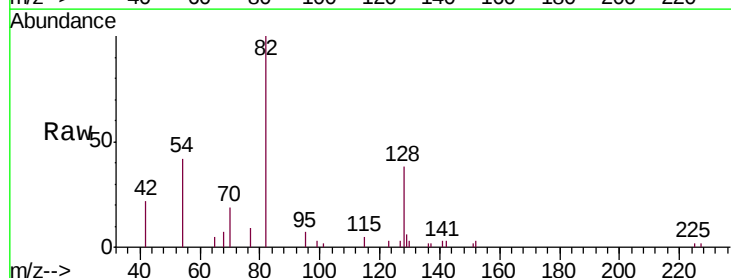
Tgt Ion: 82 Resp: 5631

Ion Ratio Lower Upper

82 100

128 37.6 24.5 36.7#

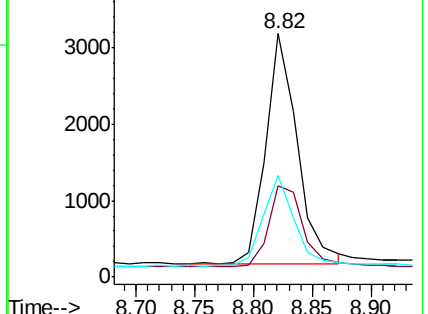
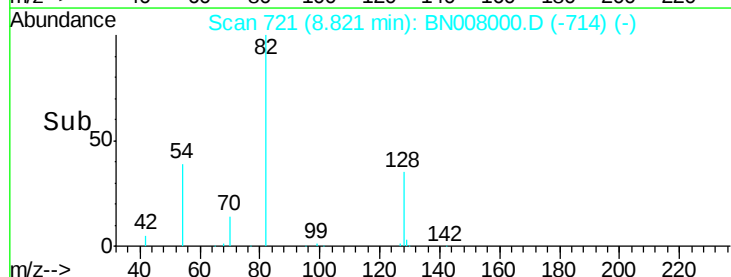
54 41.6 35.2 52.8



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

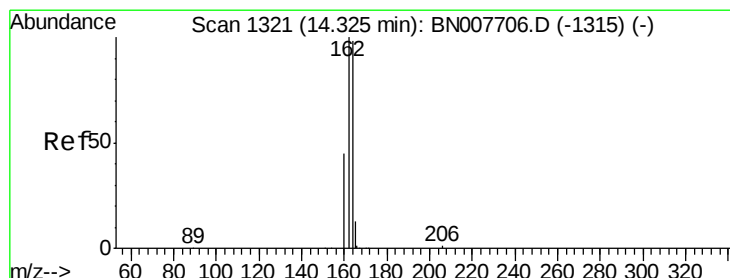
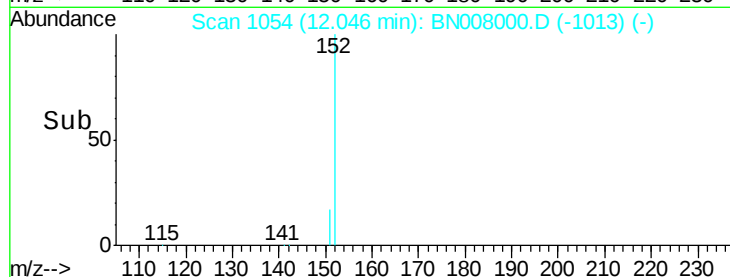
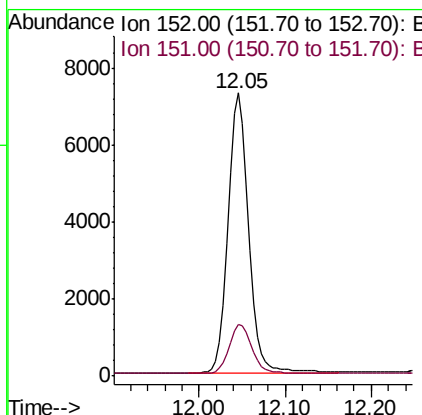
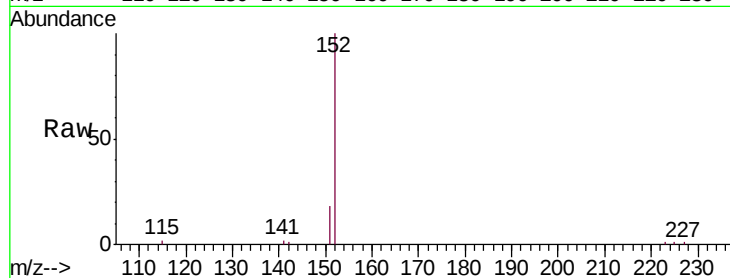




#11
2-Methylnaphthalene-d10
Concen: 0.362 ng
RT: 12.05 min Scan# 1054
Delta R.T. -0.02 min
Lab File: BN008000.D
Acq: 04 Oct 2019 02:59

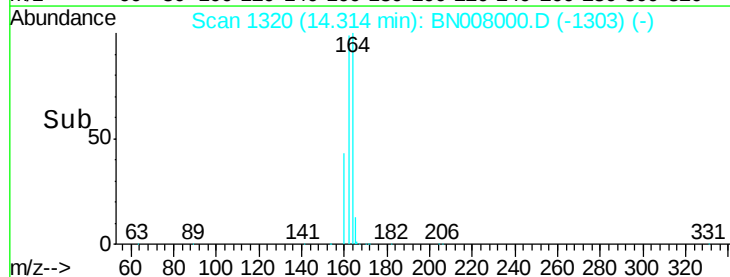
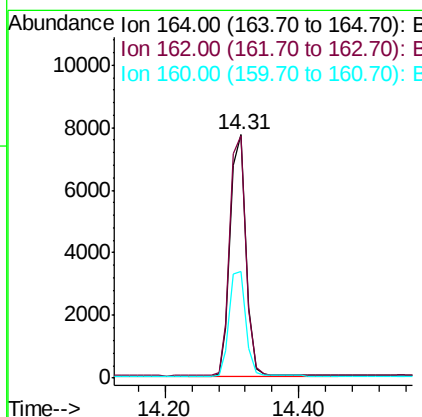
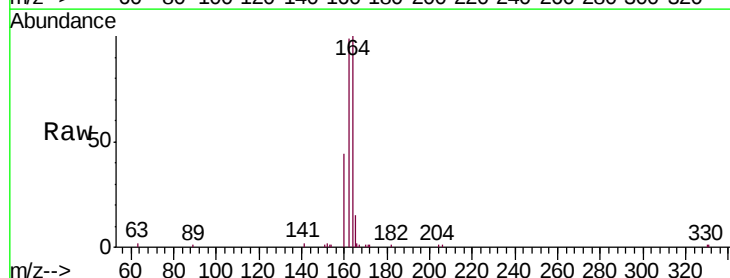
Instrument :
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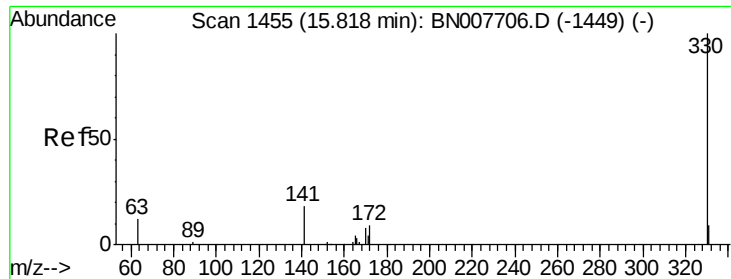
Tgt Ion:152 Resp: 11967
Ion Ratio Lower Upper
152 100
151 19.4 15.4 23.2



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BN008000.D
Acq: 04 Oct 2019 02:59

Tgt Ion:164 Resp: 12544
Ion Ratio Lower Upper
164 100
162 99.4 81.7 122.5
160 43.6 37.0 55.4

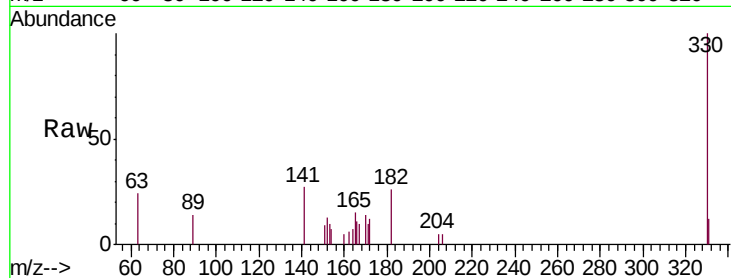




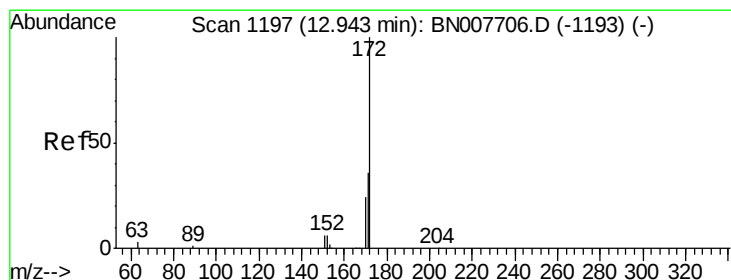
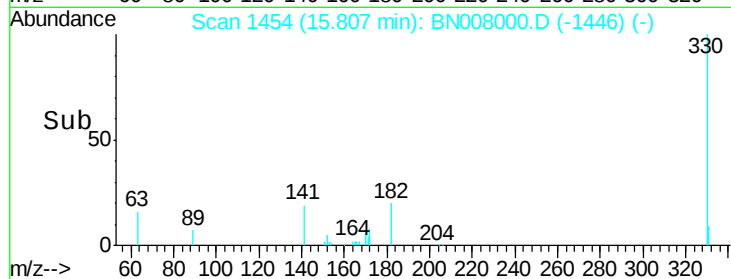
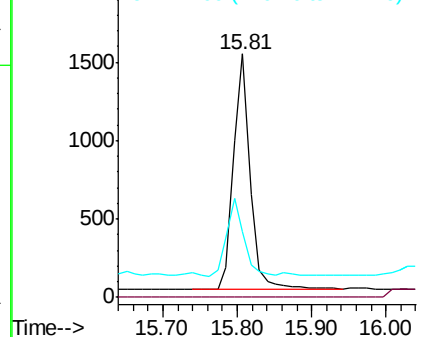
#14
 2,4,6-Tribromophenol
 Concen: 0.344 ng
 RT: 15.81 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BN008000.D
 Acq: 04 Oct 2019 02:59

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B263-092519

Tgt Ion: 330 Resp: 2352
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 33.5 28.7 43.1

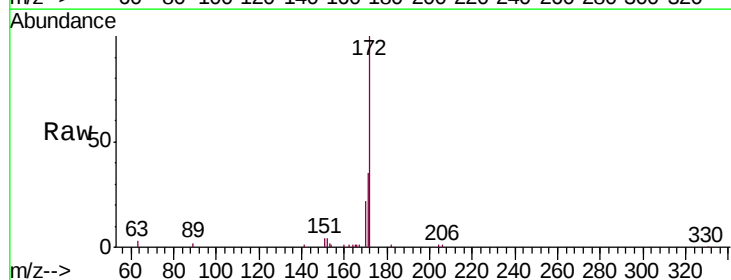


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

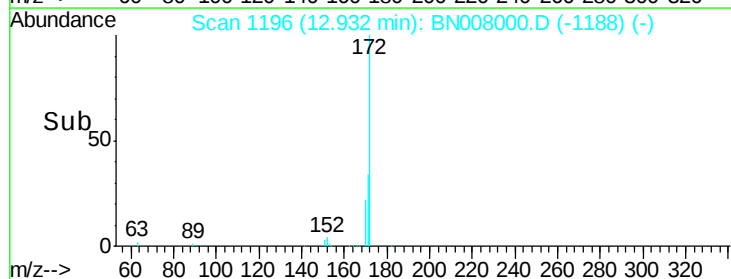
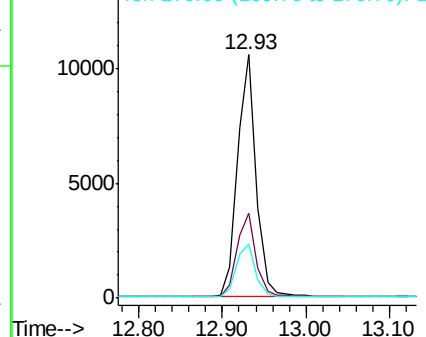


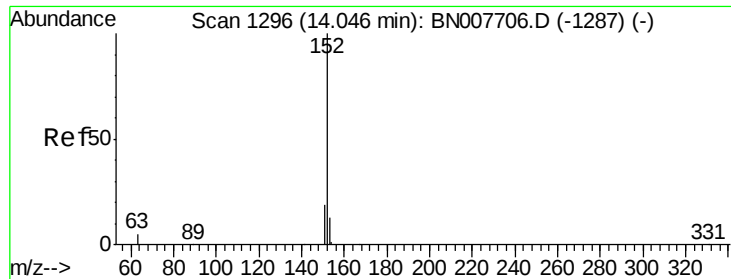
#15
 2-Fluorobiphenyl
 Concen: 0.315 ng
 RT: 12.93 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BN008000.D
 Acq: 04 Oct 2019 02:59

Tgt Ion: 172 Resp: 16280
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.8 43.2
 170 22.3 19.5 29.3



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





#16

Acenaphthylene

Concen: 0.066 ng

RT: 14.02 min Scan# 1294

Delta R.T. -0.02 min

Lab File: BN008000.D

Acq: 04 Oct 2019 02:59

Instrument :

BNA_N

ClientSampleId :

PST-024-B263-092519

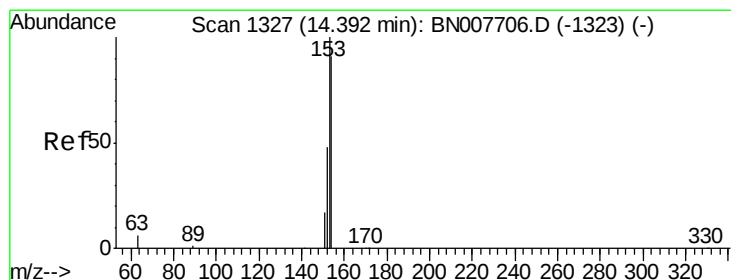
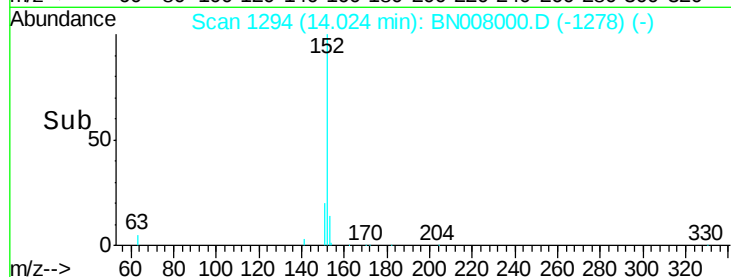
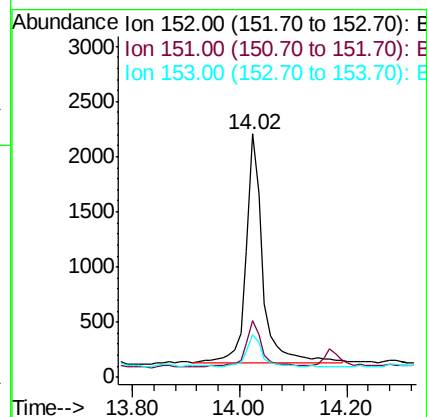
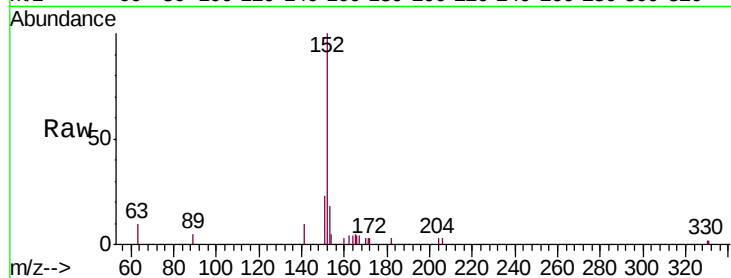
Tgt Ion:152 Resp: 4422

Ion Ratio Lower Upper

152 100

151 20.2 15.5 23.3

153 13.3 10.4 15.6



#17

Acenaphthene

Concen: 0.027 ng

RT: 14.37 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BN008000.D

Acq: 04 Oct 2019 02:59

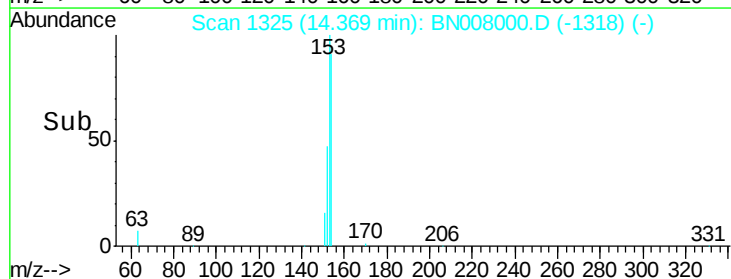
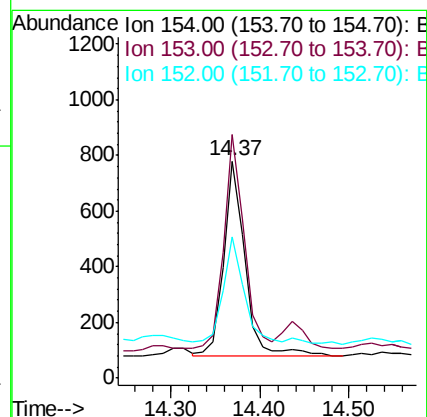
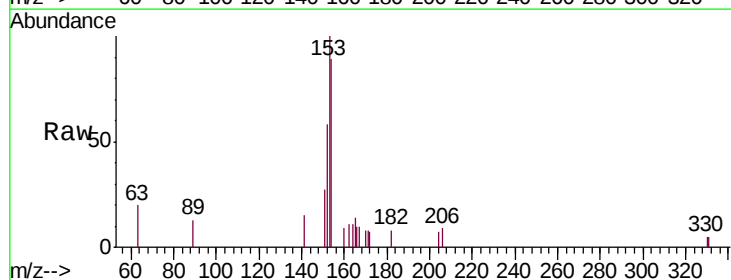
Tgt Ion:154 Resp: 1167

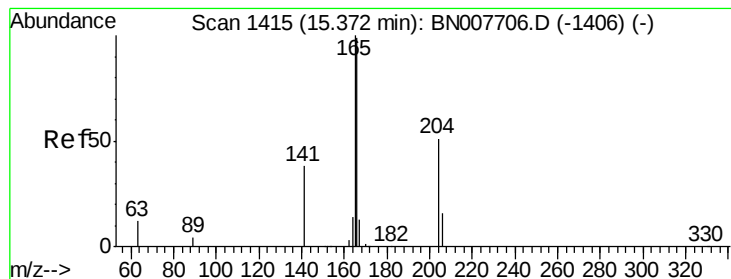
Ion Ratio Lower Upper

154 100

153 104.0 87.0 130.4

152 50.3 42.7 64.1





#18

Fluorene

Concen: 0.032 ng

RT: 15.36 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BN008000.D

Acq: 04 Oct 2019 02:59

Instrument :

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PST-024-B263-092519

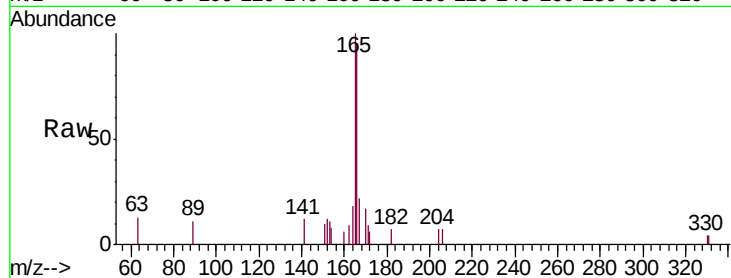
Tgt Ion:166 Resp: 1748

Ion Ratio Lower Upper

166 100

165 109.8 78.0 117.0

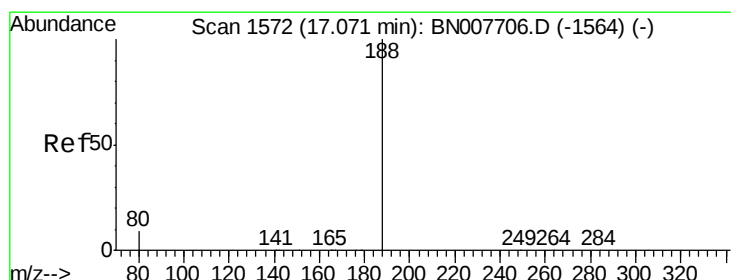
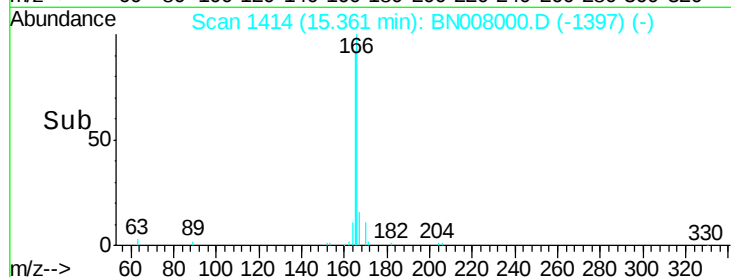
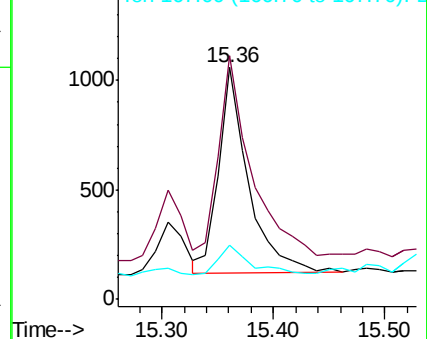
167 16.4 10.9 16.3#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.06 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BN008000.D

Acq: 04 Oct 2019 02:59

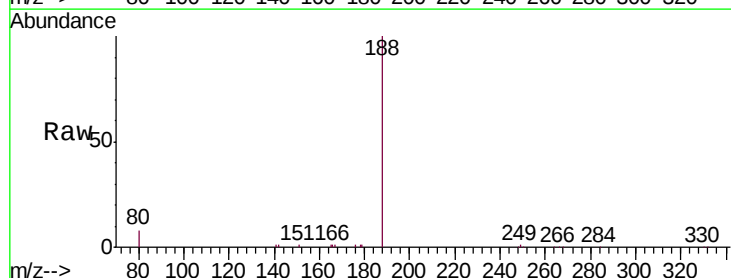
Tgt Ion:188 Resp: 27265

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

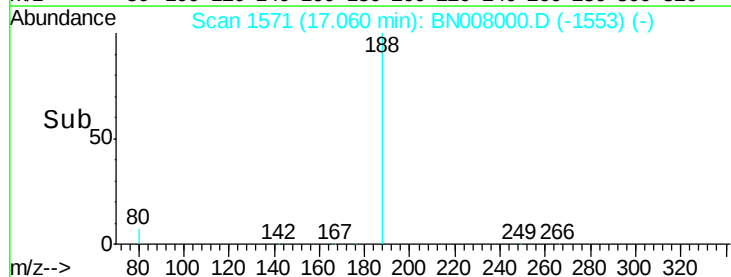
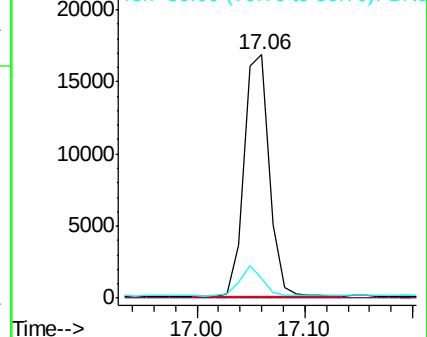
80 8.0 7.4 11.2

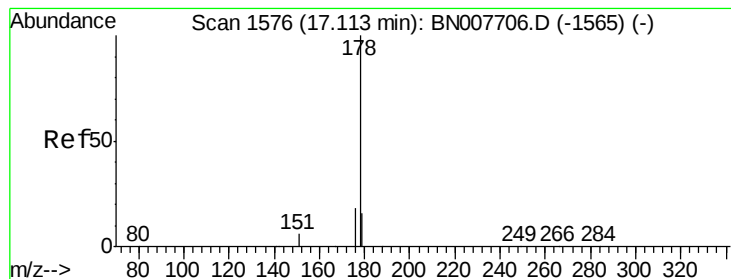


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#23

Phenanthrene

Concen: 0.493 ng

RT: 17.09 min Scan# 1574

Delta R.T. -0.02 min

Lab File: BN008000.D

Acq: 04 Oct 2019 02:59

Instrument :

BNA_N

ClientSampleId :

PST-024-B263-092519

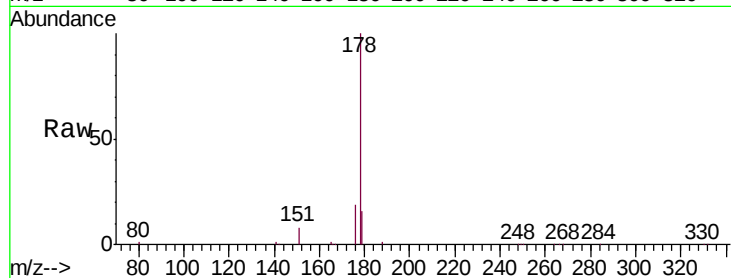
Tgt Ion:178 Resp: 41854

Ion Ratio Lower Upper

178 100

176 18.5 14.9 22.3

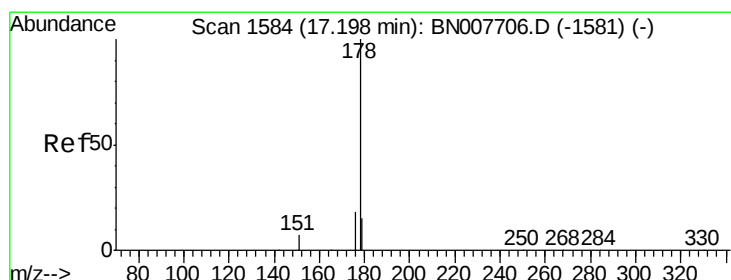
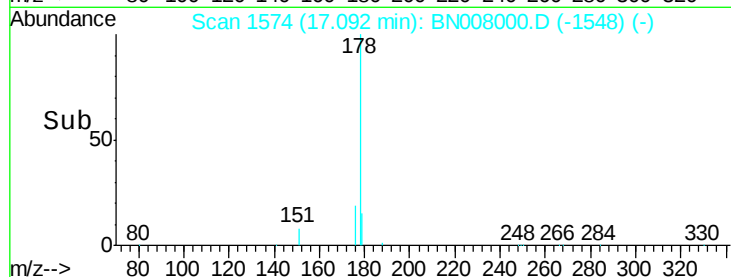
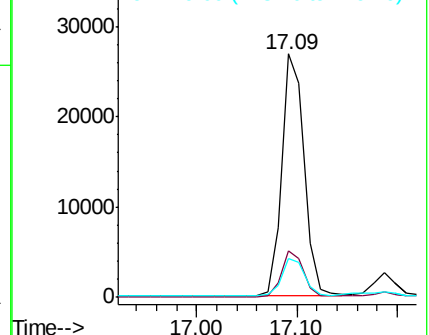
179 15.7 12.5 18.7



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: 0.048 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BN008000.D

Acq: 04 Oct 2019 02:59

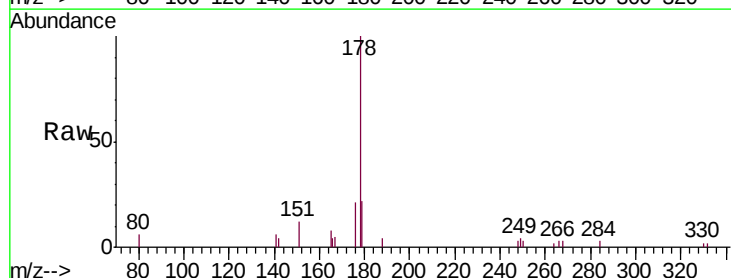
Tgt Ion:178 Resp: 3699

Ion Ratio Lower Upper

178 100

176 19.7 14.6 21.8

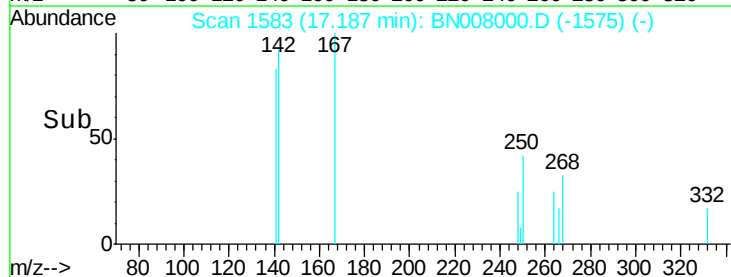
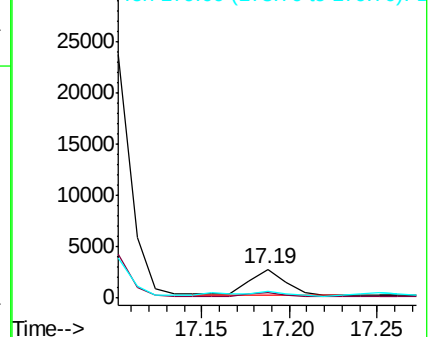
179 24.6 12.2 18.4#

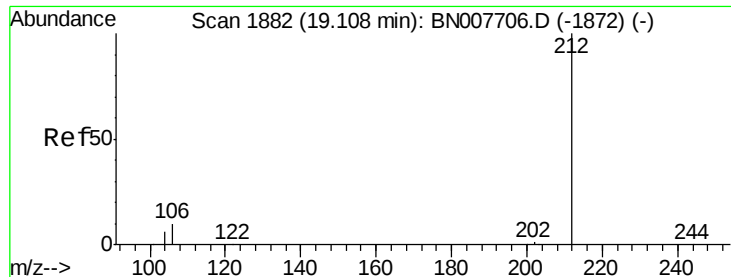


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.359 ng

RT: 19.09 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BN008000.D

Acq: 04 Oct 2019 02:59

Instrument :

BNA_N

ClientSampleId :

PST-024-B263-092519

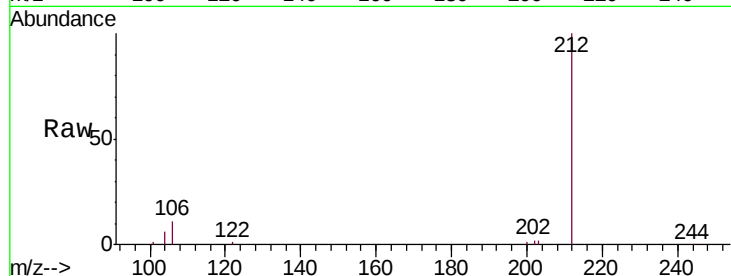
Tgt Ion:212 Resp: 32990

Ion Ratio Lower Upper

212 100

106 11.5 9.4 14.0

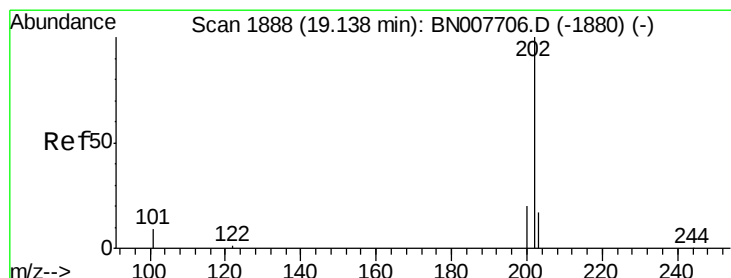
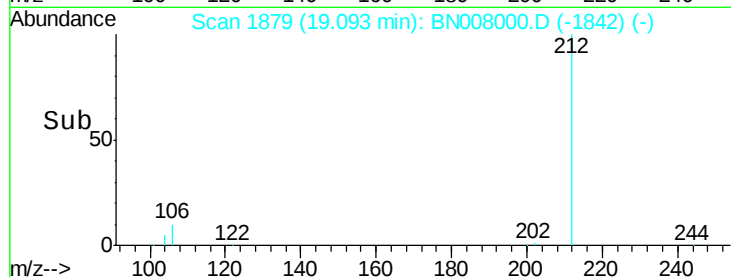
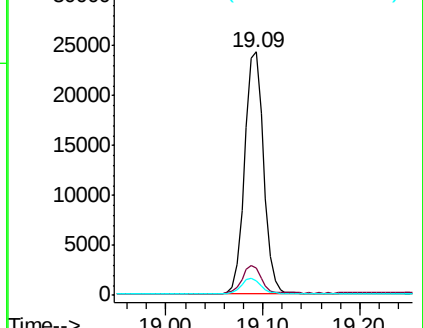
104 6.7 5.3 7.9



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: 0.660 ng

RT: 19.12 min Scan# 1885

Delta R.T. -0.02 min

Lab File: BN008000.D

Acq: 04 Oct 2019 02:59

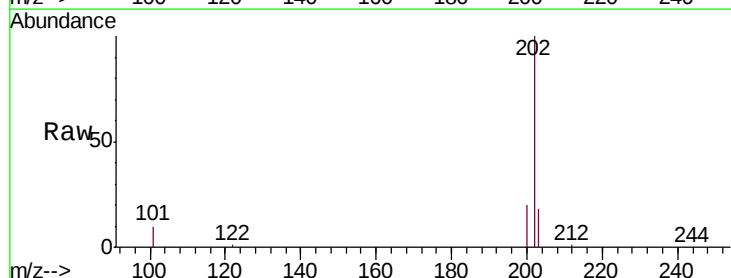
Tgt Ion:202 Resp: 69723

Ion Ratio Lower Upper

202 100

101 10.2 8.4 12.6

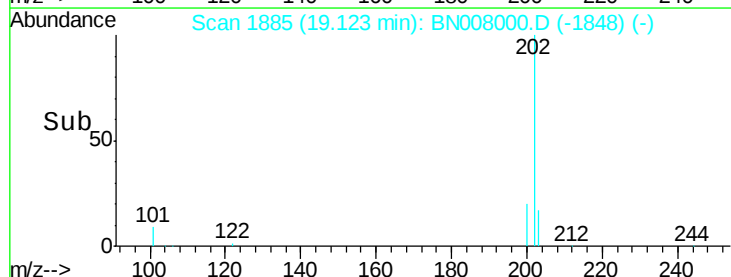
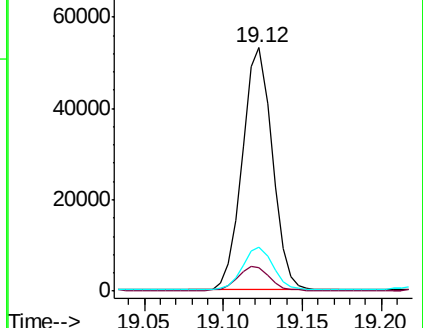
203 17.5 13.8 20.8

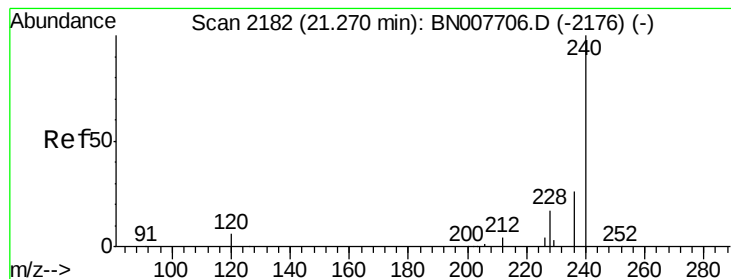


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.25 min Scan# 2180

Delta R.T. -0.02 min

Lab File: BN008000.D

Acq: 04 Oct 2019 02:59

Instrument :

BNA_N

ClientSampleId :

PST-024-B263-092519

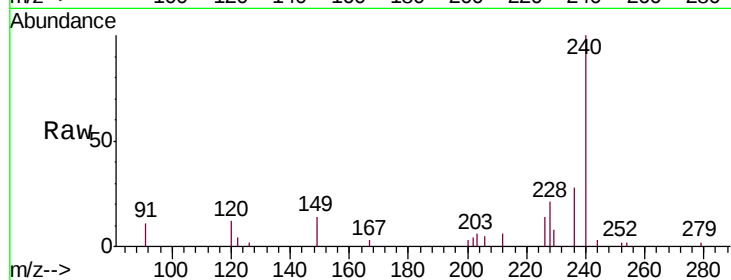
Tgt Ion:240 Resp: 29104

Ion Ratio Lower Upper

240 100

120 11.5 5.4 8.2#

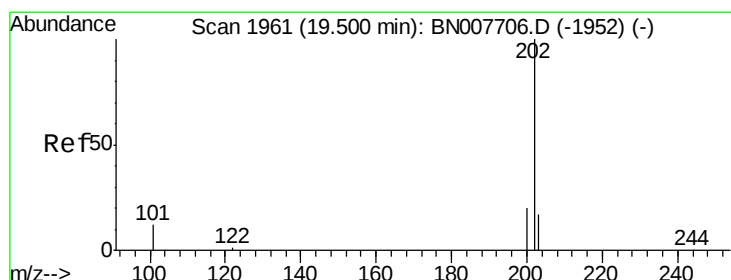
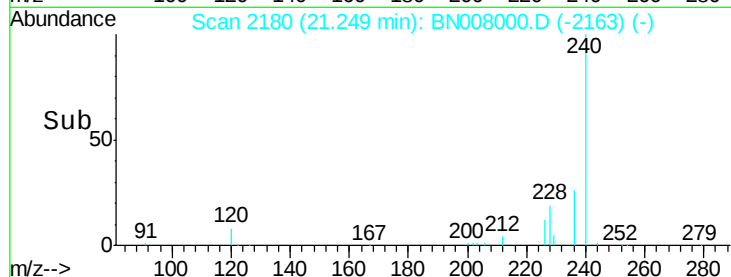
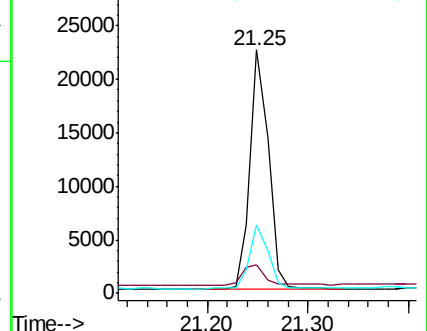
236 27.9 21.0 31.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.629 ng

RT: 19.49 min Scan# 1958

Delta R.T. -0.02 min

Lab File: BN008000.D

Acq: 04 Oct 2019 02:59

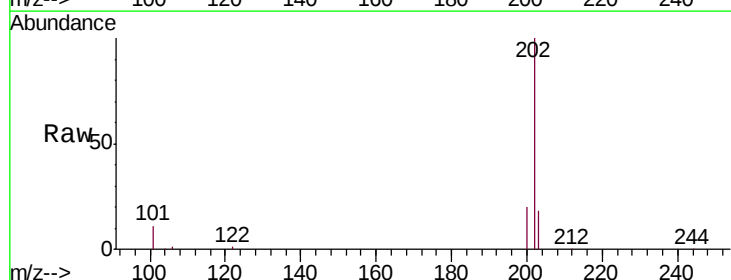
Tgt Ion:202 Resp: 62484

Ion Ratio Lower Upper

202 100

200 20.6 16.4 24.6

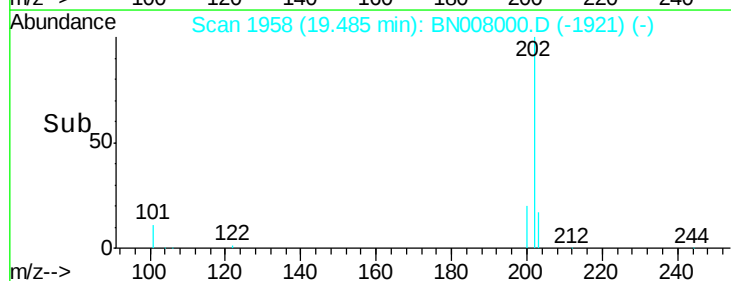
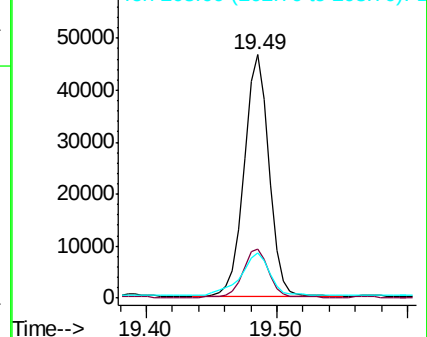
203 20.9 14.1 21.1

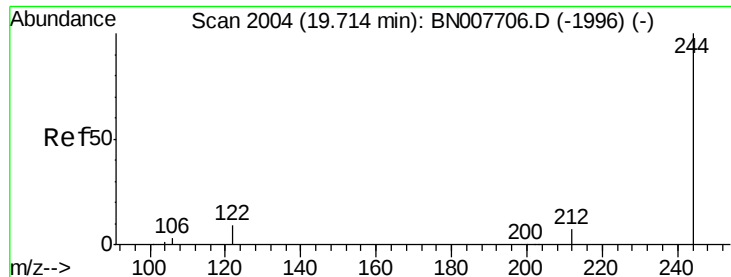


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

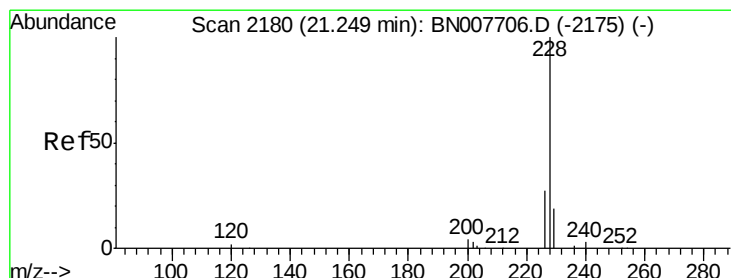
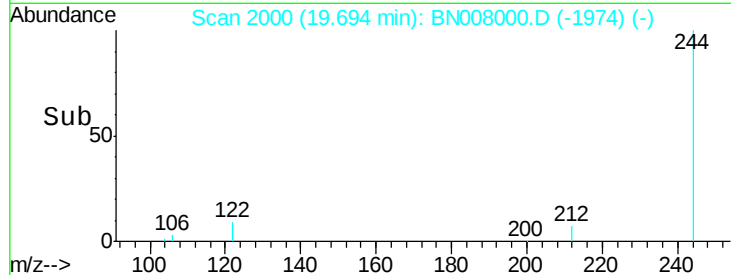
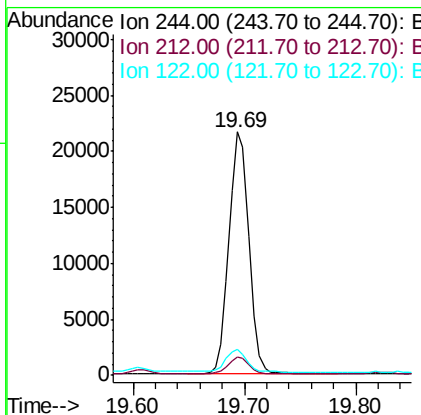
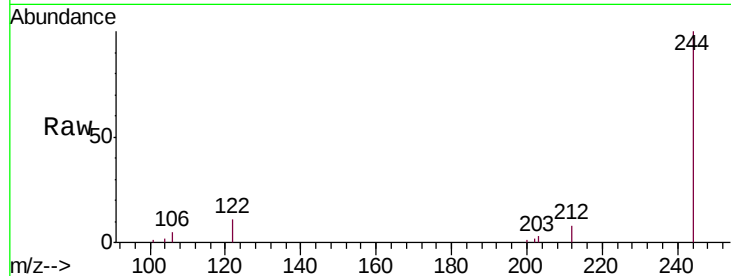




#29
 Terphenyl-d14
 Concen: 0.376 ng
 RT: 19.69 min Scan# 2000
 Delta R.T. -0.02 min
 Lab File: BN008000.D
 Acq: 04 Oct 2019 02:59

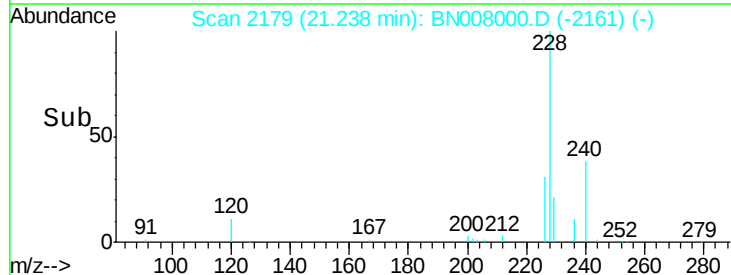
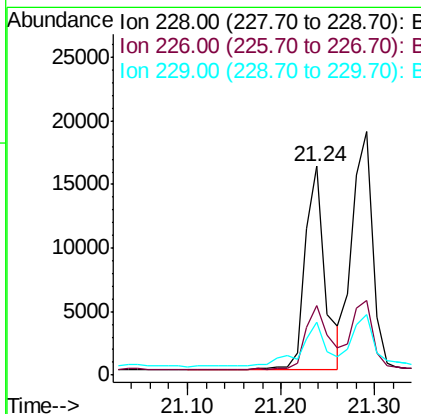
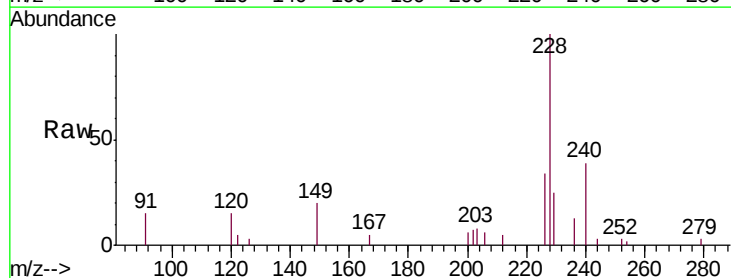
Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B263-092519

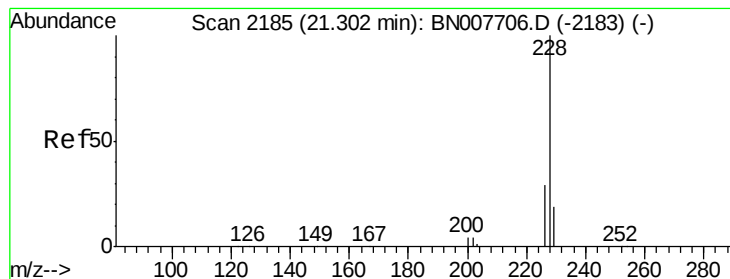
Tgt Ion: 244 Resp: 26896
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.9 8.9
 122 10.8 7.4 11.2



#30
 Benzo(a)anthracene
 Concen: 0.222 ng
 RT: 21.24 min Scan# 2179
 Delta R.T. -0.01 min
 Lab File: BN008000.D
 Acq: 04 Oct 2019 02:59

Tgt Ion: 228 Resp: 23798
 Ion Ratio Lower Upper
 228 100
 226 33.5 22.1 33.1#
 229 25.3 15.8 23.6#





#31

Chrysene

Concen: 0.269 ng

RT: 21.29 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BN008000.D

Acq: 04 Oct 2019 02:59

Instrument :

BNA_N

ClientSampleId :

PST-024-B263-092519

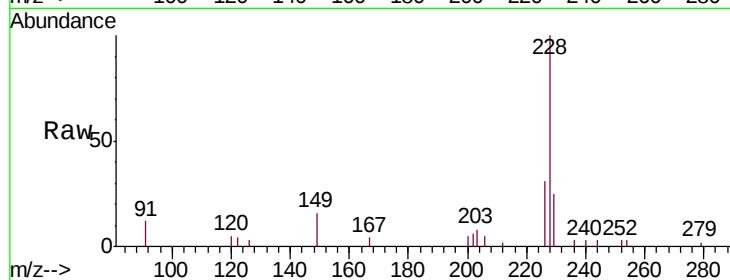
Tgt Ion:228 Resp: 28126

Ion Ratio Lower Upper

228 100

226 30.7 23.9 35.9

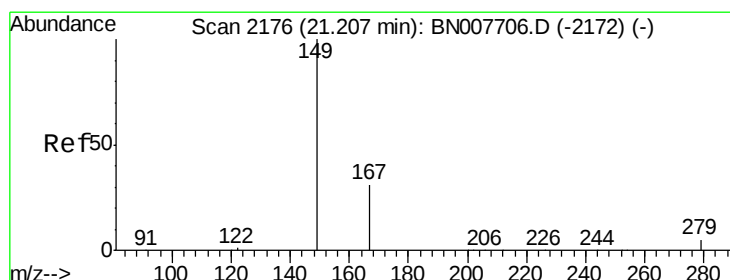
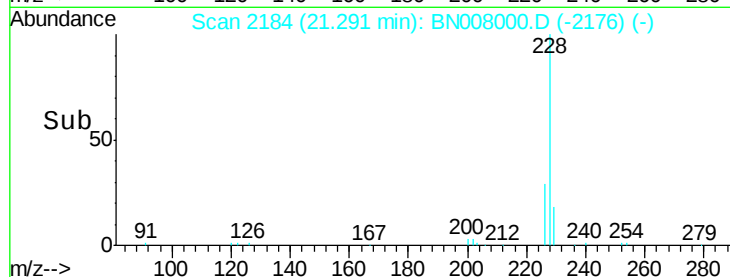
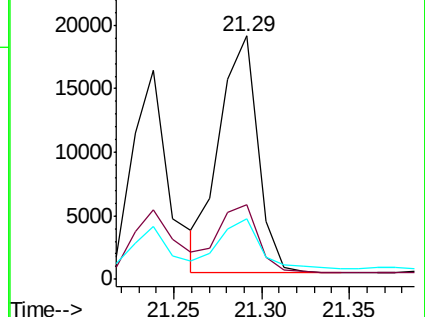
229 25.1 15.8 23.6#



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: 0.121 ng

RT: 21.17 min Scan# 2173

Delta R.T. -0.03 min

Lab File: BN008000.D

Acq: 04 Oct 2019 02:59

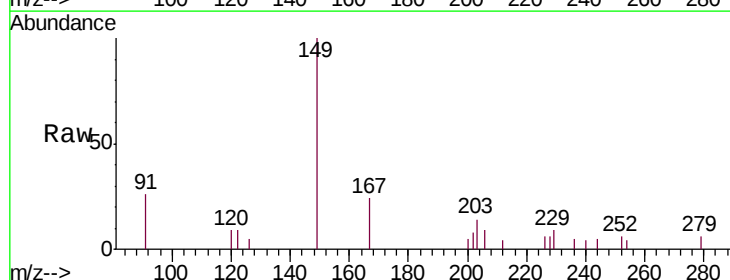
Tgt Ion:149 Resp: 6665

Ion Ratio Lower Upper

149 100

167 25.8 23.7 35.5

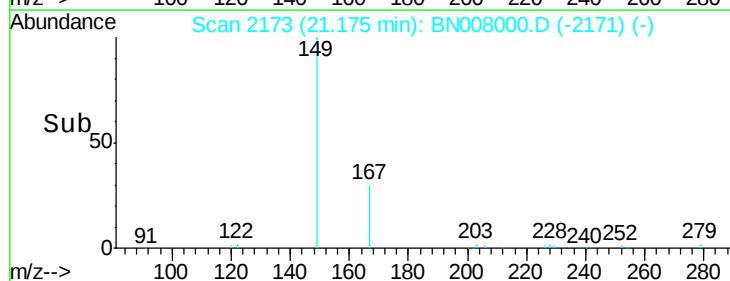
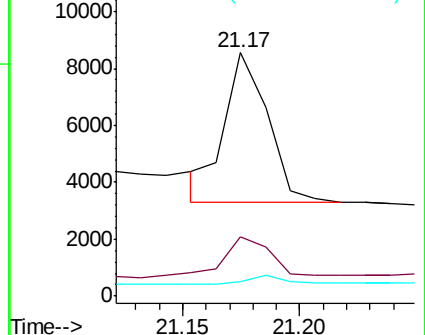
279 5.5 4.2 6.2

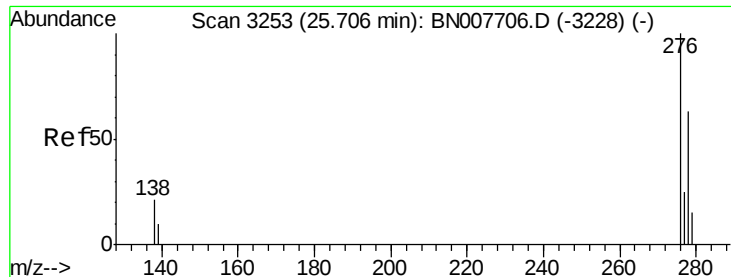


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.131 ng

RT: 25.68 min Scan# 3244

Delta R.T. -0.03 min

Lab File: BN008000.D

Acq: 04 Oct 2019 02:59

Instrument :

BNA_N

ClientSampleId :

PST-024-B263-092519

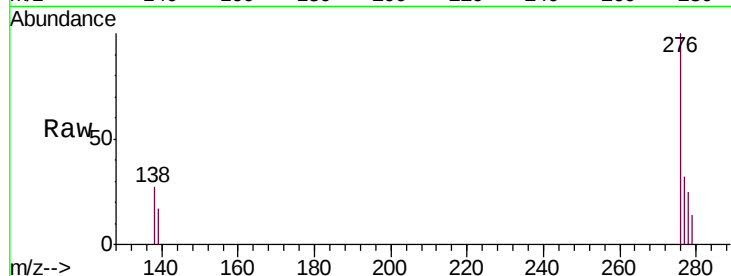
Tgt Ion:276 Resp: 17102

Ion Ratio Lower Upper

276 100

138 17.8 17.1 25.7

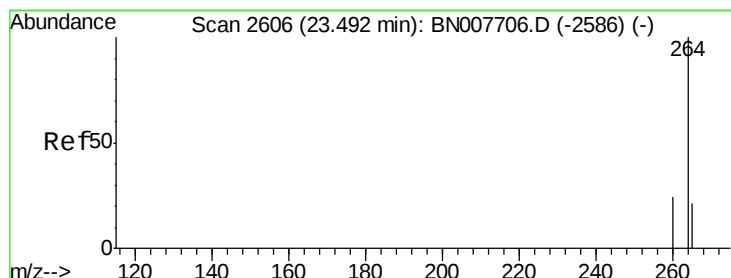
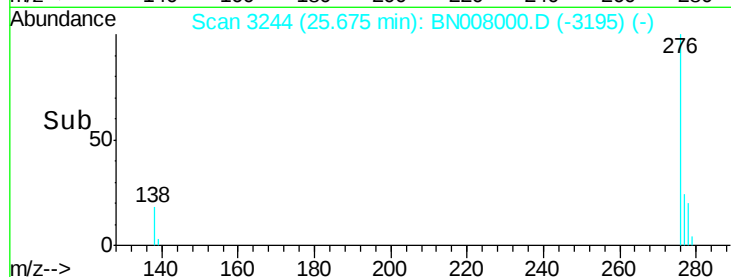
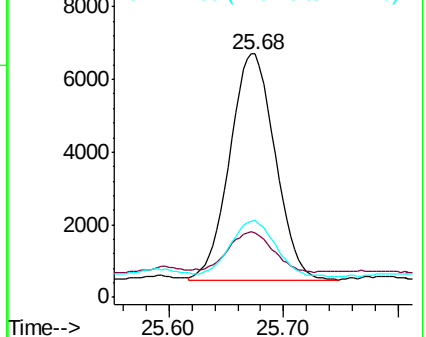
277 24.8 20.0 30.0



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: 23.46 min Scan# 2598

Delta R.T. -0.03 min

Lab File: BN008000.D

Acq: 04 Oct 2019 02:59

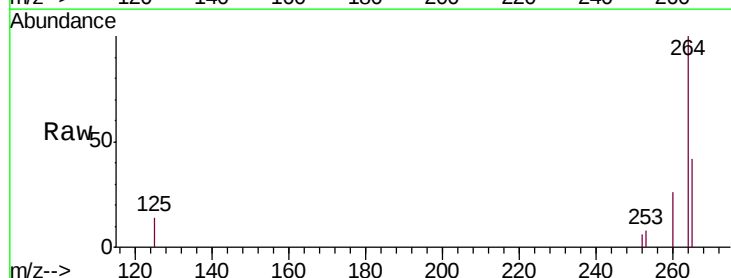
Tgt Ion:264 Resp: 31124

Ion Ratio Lower Upper

264 100

260 25.5 19.3 28.9

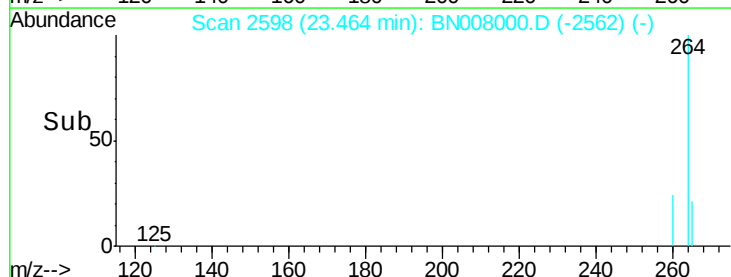
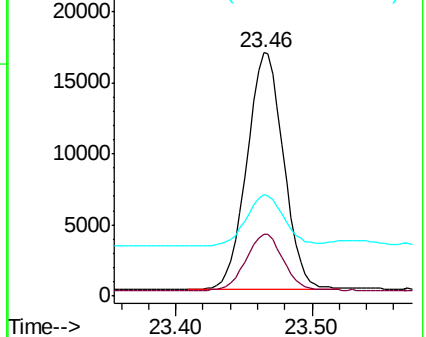
265 41.6 26.9 40.3#

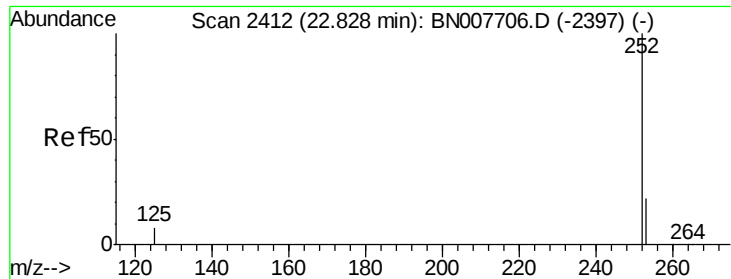


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.315 ng

RT: 22.81 min Scan# 2406

Delta R.T. -0.02 min

Lab File: BN008000.D

Acq: 04 Oct 2019 02:59

Instrument :

BNA_N

ClientSampleId :

PST-024-B263-092519

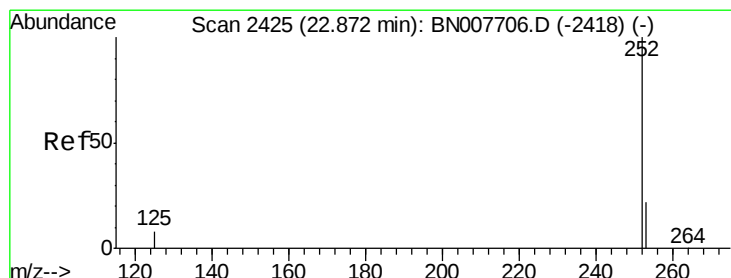
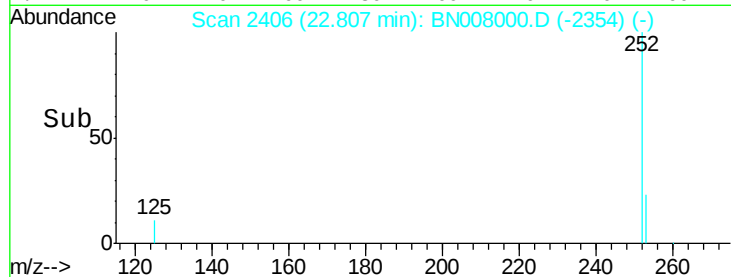
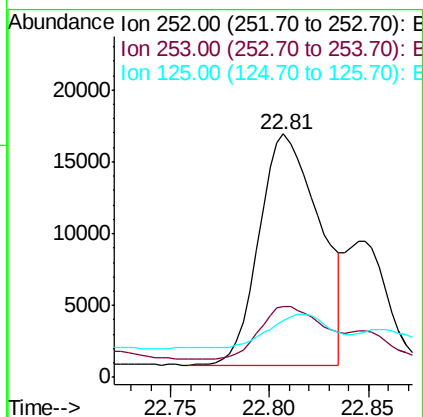
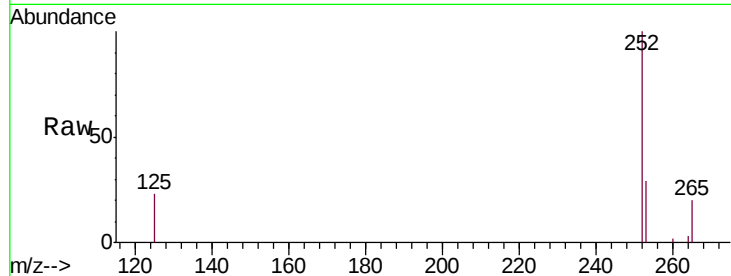
Tgt Ion:252 Resp: 34015

Ion Ratio Lower Upper

252 100

253 29.3 18.3 27.5#

125 23.1 8.2 12.4#



#36

Benzo(k)fluoranthene

Concen: 0.318 ng

RT: 22.81 min Scan# 2406

Delta R.T. -0.07 min

Lab File: BN008000.D

Acq: 04 Oct 2019 02:59

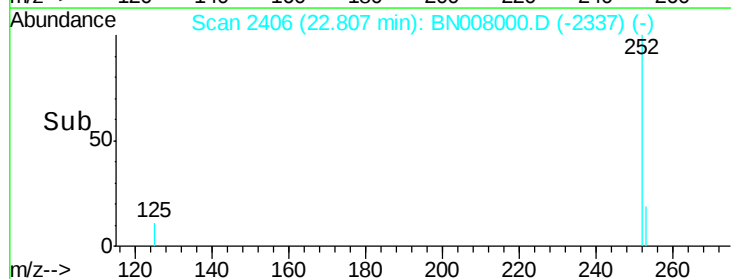
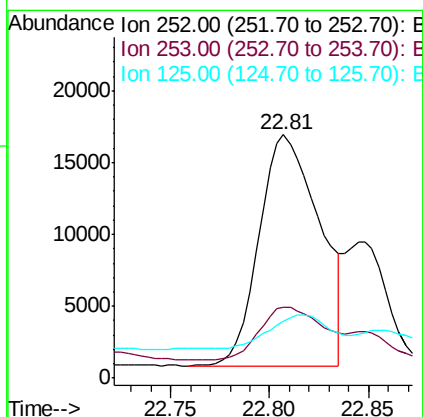
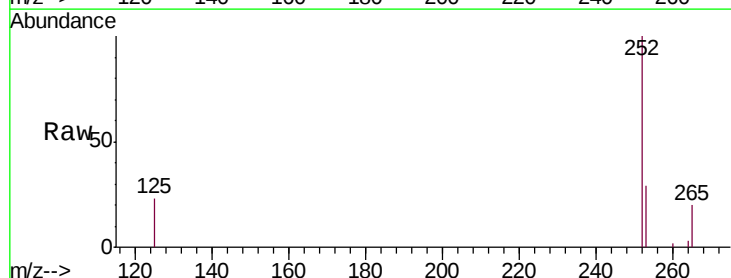
Tgt Ion:252 Resp: 34015

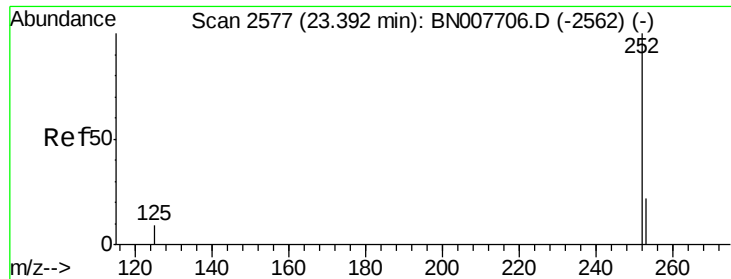
Ion Ratio Lower Upper

252 100

253 29.3 18.5 27.7#

125 23.1 8.4 12.6#





#37

Benzo(a)pyrene

Concen: 0.228 ng

RT: 23.37 min Scan# 2570

Delta R.T. -0.02 min

Lab File: BN008000.D

Acq: 04 Oct 2019 02:59

Instrument :

BNA_N

ClientSampleId :

PST-024-B263-092519

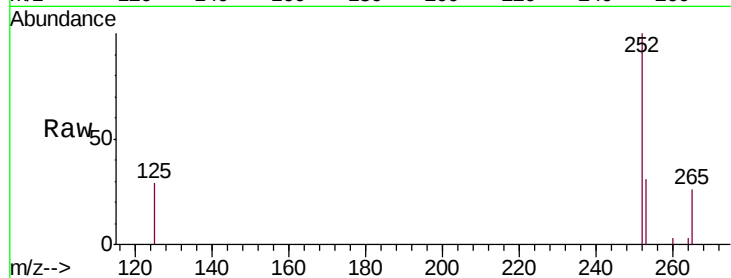
Tgt Ion:252 Resp: 23113

Ion Ratio Lower Upper

252 100

253 31.5 18.6 27.8#

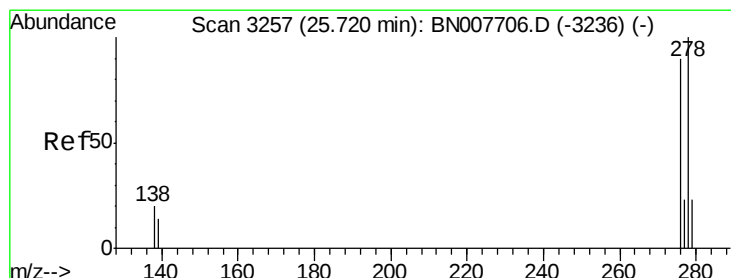
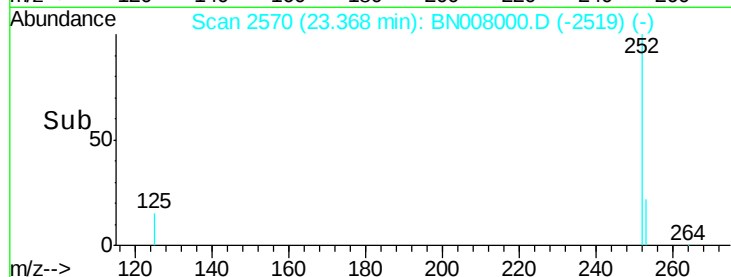
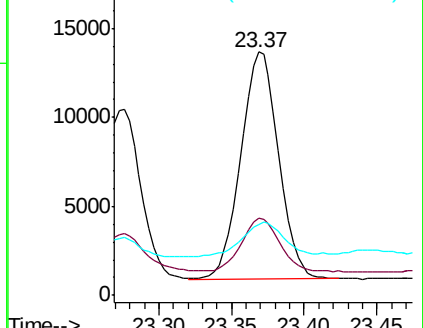
125 29.3 9.4 14.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.038 ng

RT: 25.68 min Scan# 3246

Delta R.T. -0.04 min

Lab File: BN008000.D

Acq: 04 Oct 2019 02:59

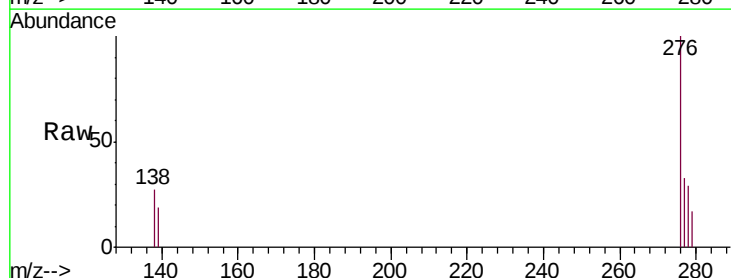
Tgt Ion:278 Resp: 3970

Ion Ratio Lower Upper

278 100

139 65.1 11.8 17.6#

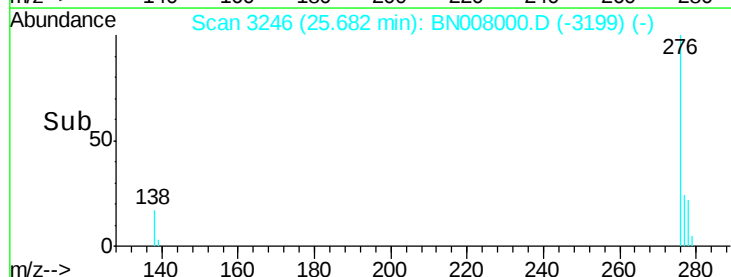
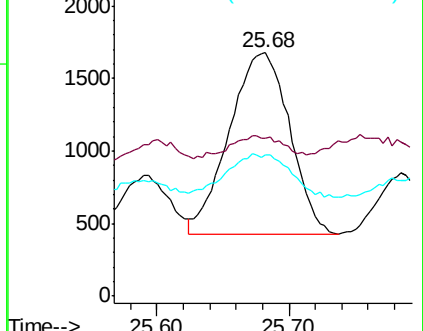
279 58.1 19.4 29.2#

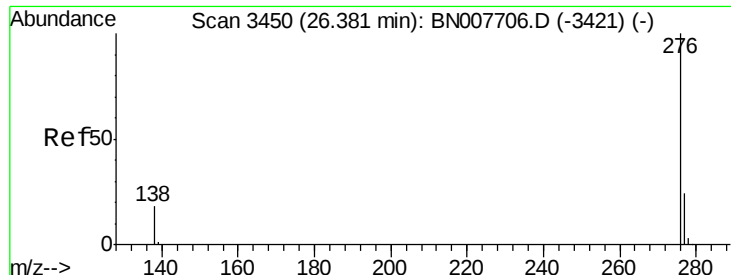


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.164 ng

RT: 26.35 min Scan# 3441

Delta R.T. -0.03 min

Lab File: BN008000.D

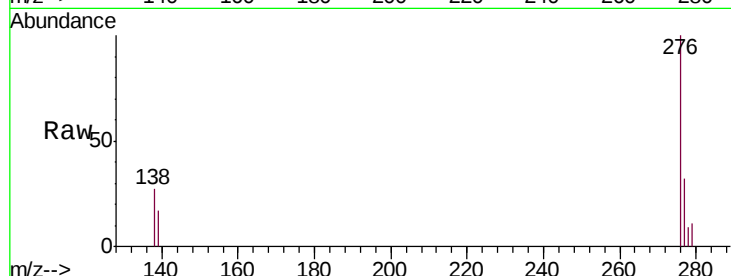
Acq: 04 Oct 2019 02:59

Instrument :

BNA_N

ClientSampleId :

PST-024-B263-092519



Tgt Ion: 276 Resp: 16892

Ion Ratio Lower Upper

276 100

277 31.6 19.8 29.8#

138 26.7 15.1 22.7#

