

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092519\
 Data File : BN007861.D
 Acq On : 25 Sep 2019 19:29
 Operator : JU
 Sample : K4994-07MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-B231-091919-1MS

Quant Time: Sep 26 03:53:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 18 18:24:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	11191	0.40	ng	0.00
7) Naphthalene-d8	10.46	136	43136	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	24627	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	44783	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	33287	0.40	ng	-0.01
34) Perylene-d12	23.47	264	39214	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.31	112	10547	0.27	ng	0.00
5) Phenol-d6	6.86	99	14083	0.29	ng	0.00
8) Nitrobenzene-d5	8.82	82	12198	0.32	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	29620	0.41	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	2557	0.19	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	33043	0.33	ng	-0.01
25) Fluoranthene-d10	19.09	212	39938	0.26	ng	-0.01
29) Terphenyl-d14	19.70	244	31392	0.38	ng	-0.01

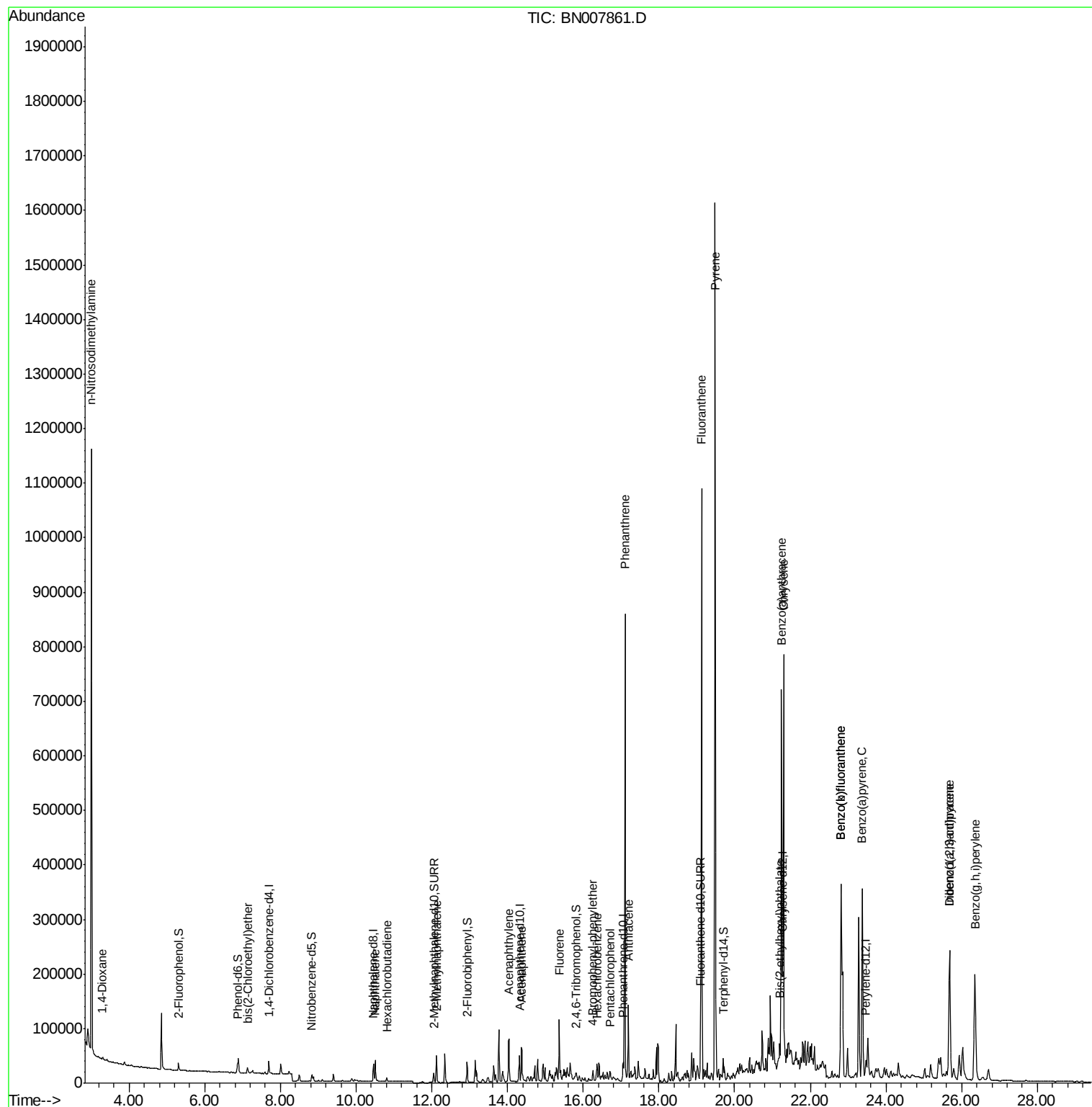
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	2886	0.231	ng	# 80
3) n-Nitrosodimethylamine	3.01	42	87924	15.390	ng	# 69
6) bis(2-Chloroethyl)ether	7.13	93	9689	0.306	ng	94
9) Naphthalene	10.51	128	49341	0.408	ng	99
10) Hexachlorobutadiene	10.81	225	6849	0.269	ng	# 100
12) 2-Methylnaphthalene	12.13	142	36321	0.444	ng	99
16) Acenaphthylene	14.03	152	100332	0.768	ng	98
17) Acenaphthene	14.37	154	35458	0.421	ng	95
18) Fluorene	15.36	166	53810	0.499	ng	93
20) 4-Bromophenyl-phenylether	16.25	248	8469	0.312	ng	# 74
21) Hexachlorobenzene	16.37	284	8236	0.277	ng	97
22) Pentachlorophenol	16.71	266	3844	0.351	ng	94
23) Phenanthrene	17.10	178	968771	6.944	ng	100
24) Anthracene	17.19	178	132931	1.055	ng	98
26) Fluoranthene	19.12	202	932485	5.376	ng	99
28) Pyrene	19.49	202	1419205	12.501	ng	96
30) Benzo(a)anthracene	21.24	228	565321	4.612	ng	97
31) Chrysene	21.29	228	660657	5.530	ng	98
32) Bis(2-ethylhexyl)phthalate	21.19	149	35533	0.564	ng	94
33) Indeno(1,2,3-cd)pyrene	25.68	276	340013	2.273	ng	98
35) Benzo(b)fluoranthene	22.81	252	595597	4.375	ng	99
36) Benzo(k)fluoranthene	22.81	252	595597	4.424	ng	99
37) Benzo(a)pyrene	23.37	252	494153	3.863	ng	98
38) Dibenzo(a,h)anthracene	25.69	278	127280	0.972	ng	96
39) Benzo(g,h,i)perylene	26.35	276	405875	3.133	ng	99

(#) = 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# 604

Delta R.T. -0.01 min

Lab File: BN007861.D

Acq: 25 Sep 2019 19:29

Instrument :

BNA_N

ClientSampleId :

PST-B231-091919-1MS

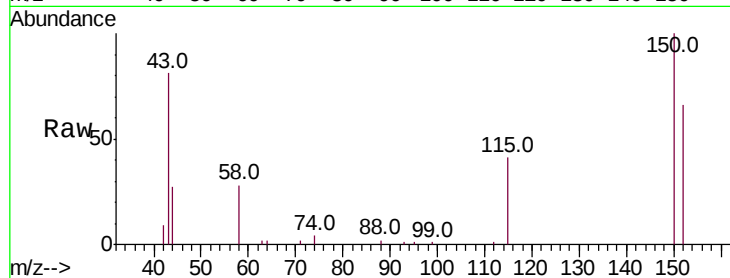
Tot Ion:152 Resp: 11191

Ion Ratio Lower Upper

152 100

150 152.2 125.6 188.4

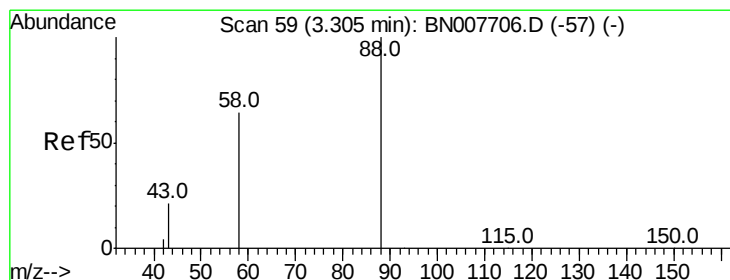
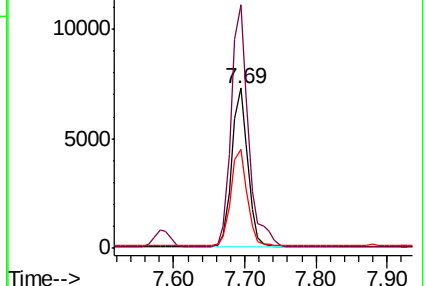
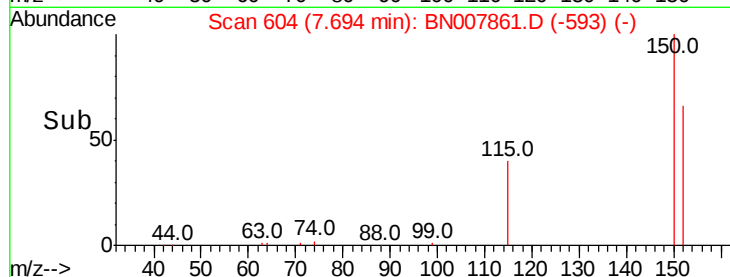
115 61.9 53.3 79.9



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



#2

1,4-Dioxane

Concen: 0.231 ng

RT: 3.30 min Scan# 59

Delta R.T. -0.00 min

Lab File: BN007861.D

Acq: 25 Sep 2019 19:29

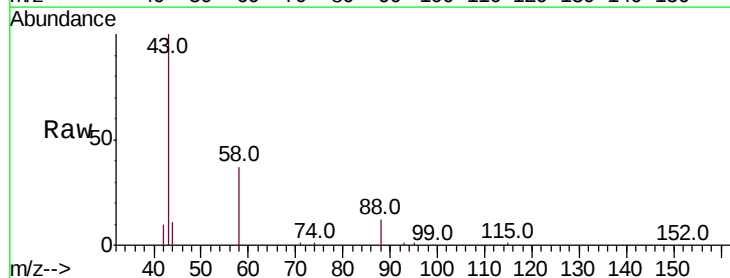
Tgt Ion: 88 Resp: 2886

Ion Ratio Lower Upper

88 100

58 65.4 44.6 66.8

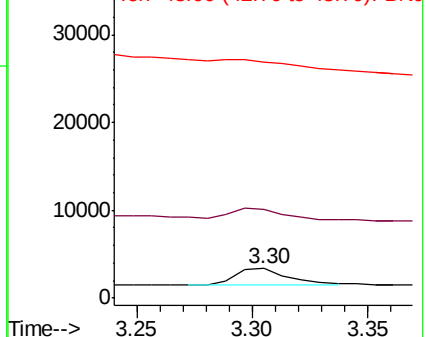
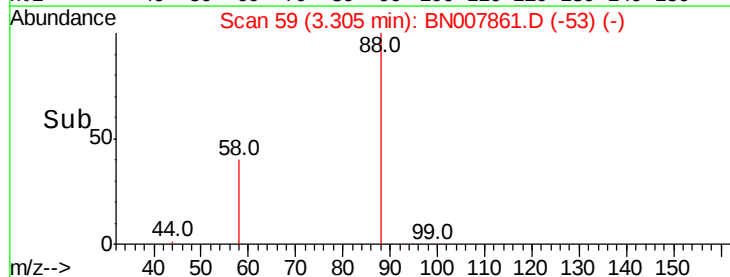
43 0.0 14.4 21.6#



Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC

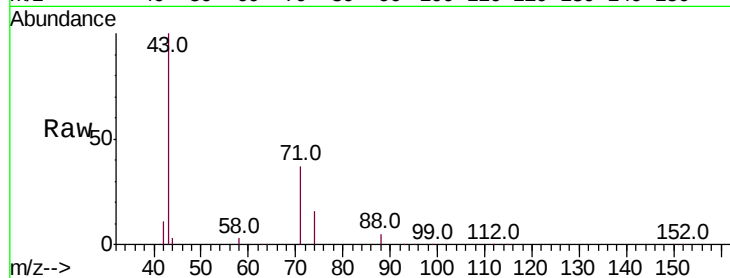




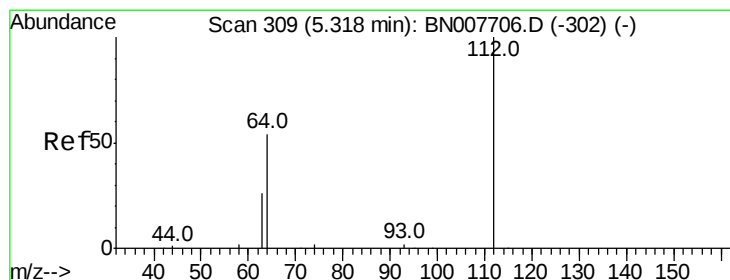
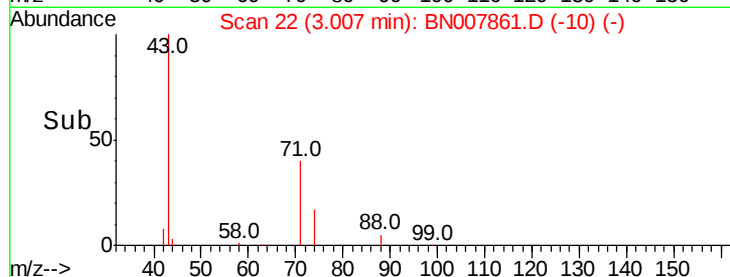
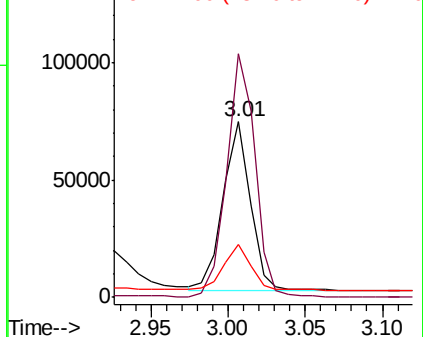
#3
n-Nitrosodimethylamine
Concen: 15.390 ng
RT: 3.01 min Scan# 22
Delta R.T. -0.00 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MS

Tot Ion: 42 Resp: 87924
Ion Ratio Lower Upper
42 100
74 147.4 87.9 131.9#
44 26.9 29.4 44.0#

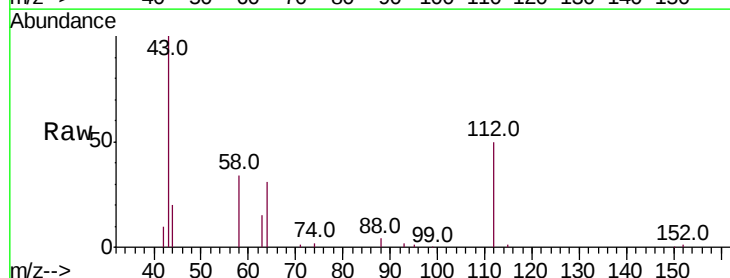


Abundance Ion 42.00 (41.70 to 42.70): BN0
Ion 74.00 (73.70 to 74.70): BN0
Ion 44.00 (43.70 to 44.70): BN0

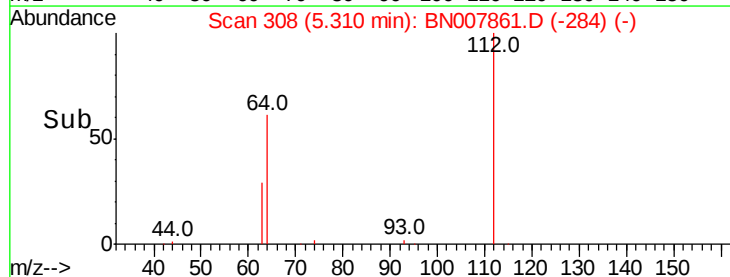
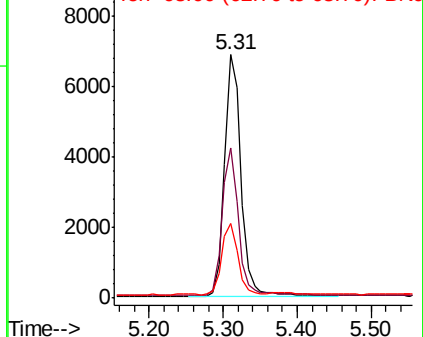


#4
2-Fluorophenol
Concen: 0.274 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion: 112 Resp: 10547
Ion Ratio Lower Upper
112 100
64 60.0 46.6 70.0
63 28.6 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BN0
Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.292 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN007861.D

Acq: 25 Sep 2019 19:29

Instrument :

BNA_N

ClientSampleId :

PST-B231-091919-1MS

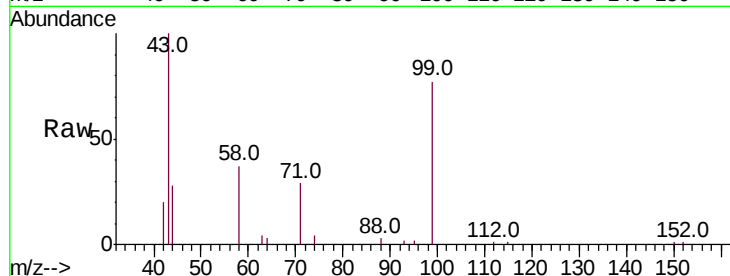
Tot Ion: 99 Resp: 14083

Ion Ratio Lower Upper

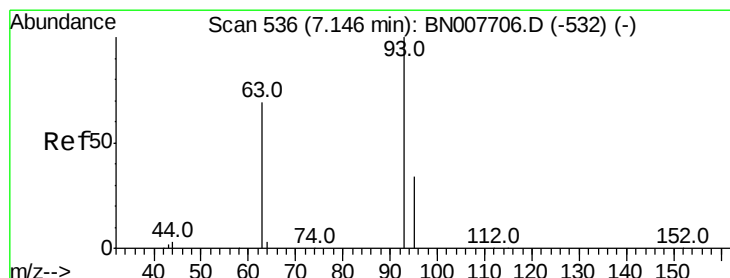
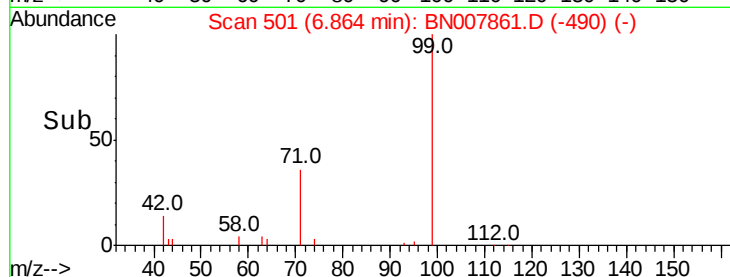
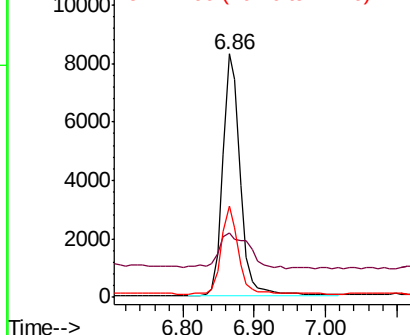
99 100

42 25.3 12.8 19.2#

71 35.4 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



#6

bis(2-Chloroethyl)ether

Concen: 0.306 ng

RT: 7.13 min Scan# 534

Delta R.T. -0.02 min

Lab File: BN007861.D

Acq: 25 Sep 2019 19:29

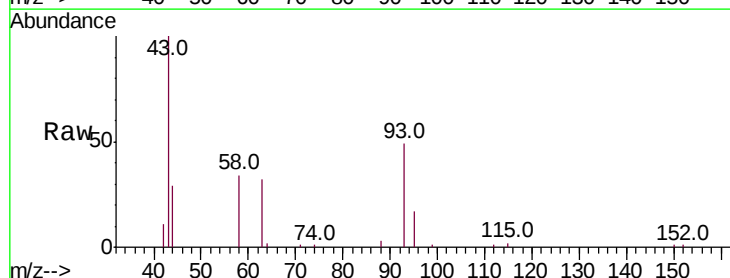
Tgt Ion: 93 Resp: 9689

Ion Ratio Lower Upper

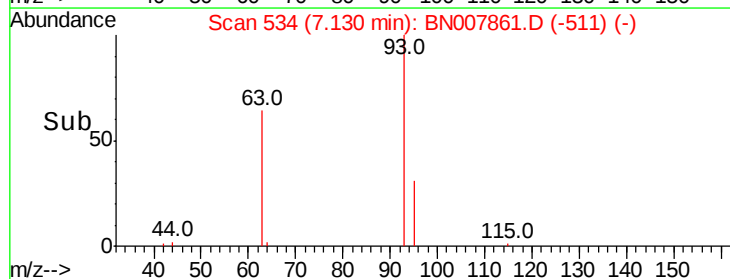
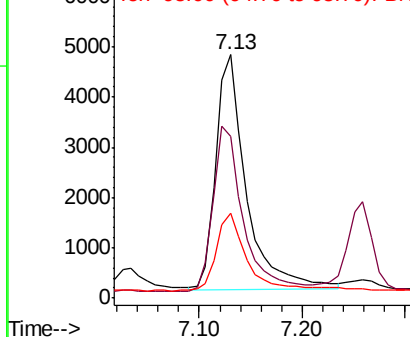
93 100

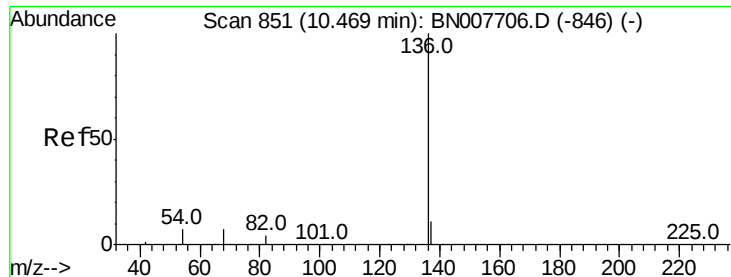
63 70.7 59.3 88.9

95 32.9 31.4 47.0



Abundance Ion 93.00 (92.70 to 93.70): BNC
Ion 63.00 (62.70 to 63.70): BNC
Ion 95.00 (94.70 to 95.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.46 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN007861.D

Acq: 25 Sep 2019 19:29

Instrument :

BNA_N

ClientSampleId :

PST-B231-091919-1MS

Tot Ion:136 Resp: 43136

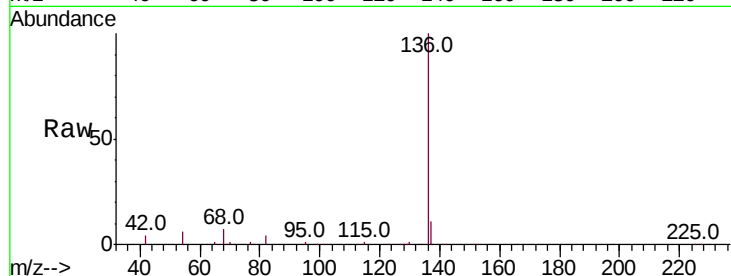
Ion Ratio Lower Upper

136 100

137 11.1 9.2 13.8

54 6.5 5.8 8.8

68 7.2 6.5 9.7

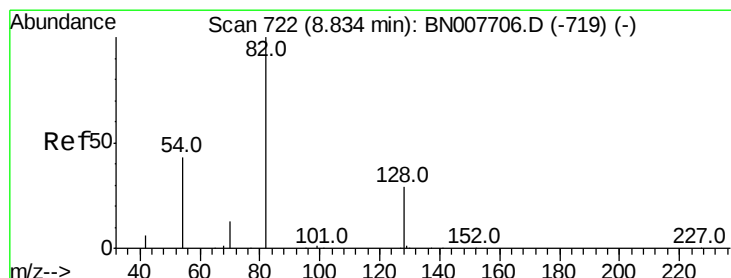
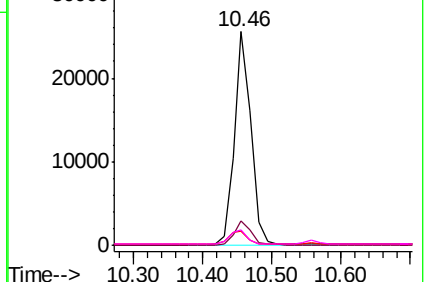
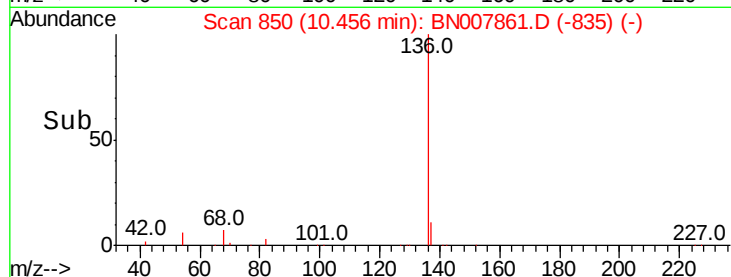


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.323 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN007861.D

Acq: 25 Sep 2019 19:29

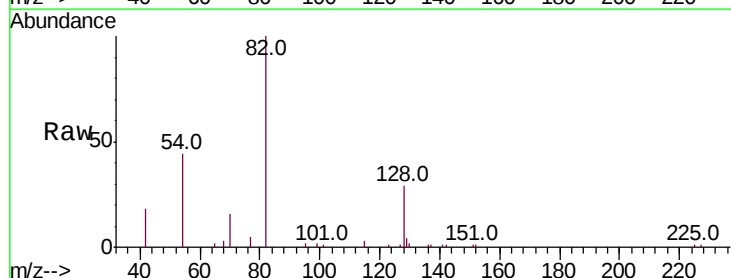
Tgt Ion: 82 Resp: 12198

Ion Ratio Lower Upper

82 100

128 29.0 24.5 36.7

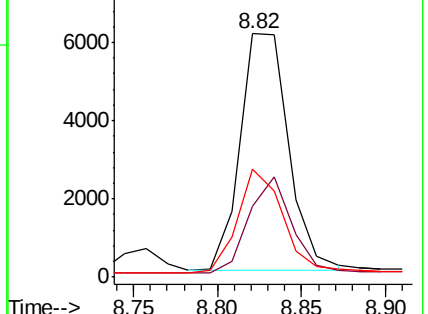
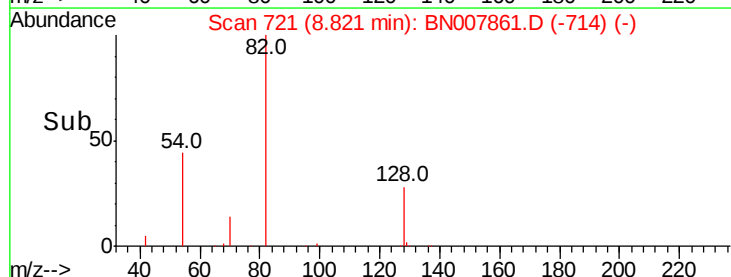
54 44.3 35.2 52.8

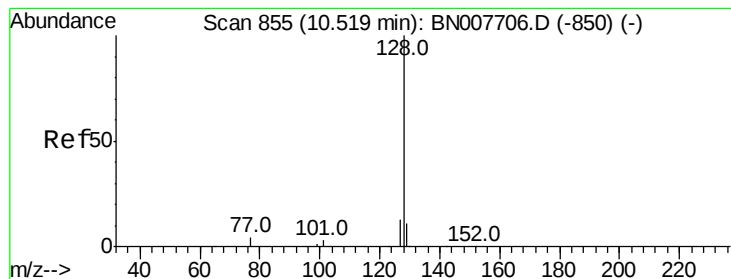


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.408 ng

RT: 10.51 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN007861.D

Acq: 25 Sep 2019 19:29

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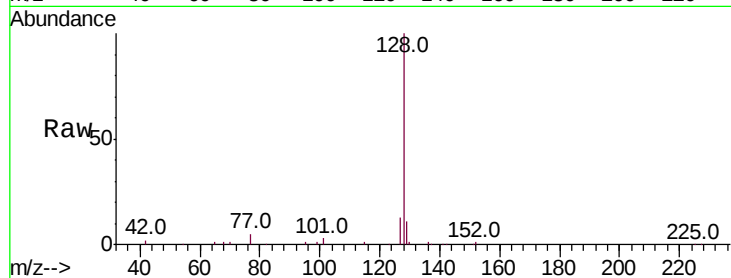
Tot Ion:128 Resp: 49341

Ion Ratio Lower Upper

128 100

129 11.1 9.1 13.7

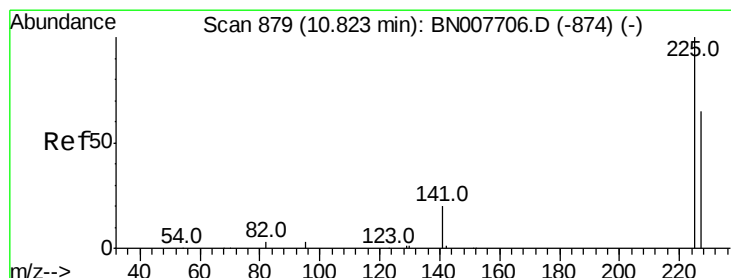
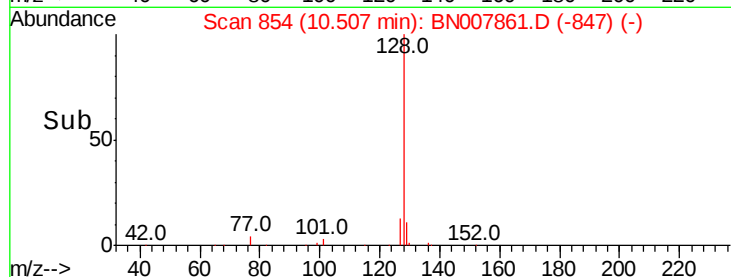
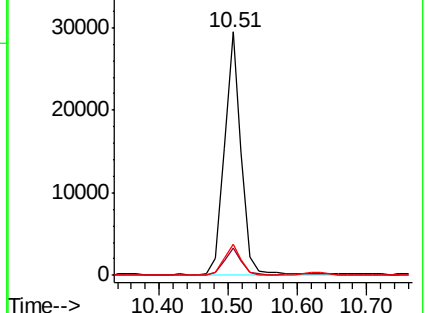
127 13.0 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.269 ng

RT: 10.81 min Scan# 878

Delta R.T. -0.01 min

Lab File: BN007861.D

Acq: 25 Sep 2019 19:29

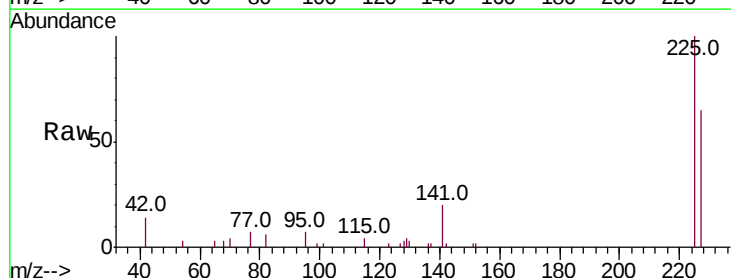
Tgt Ion:225 Resp: 6849

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

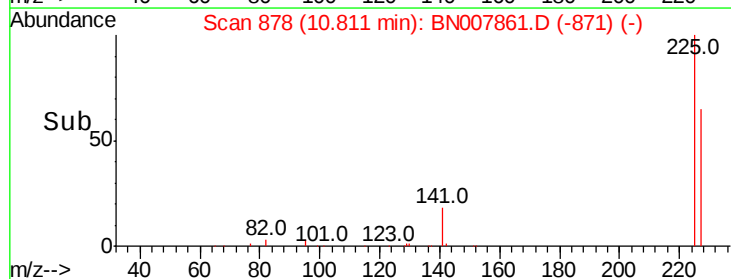
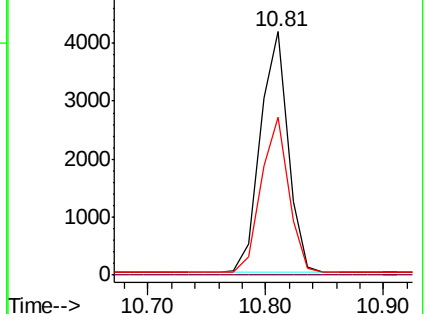
227 64.1 51.2 76.8

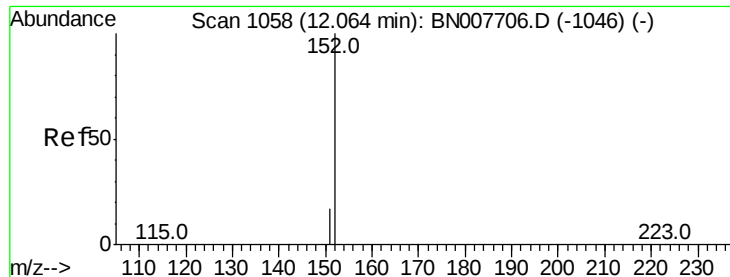


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

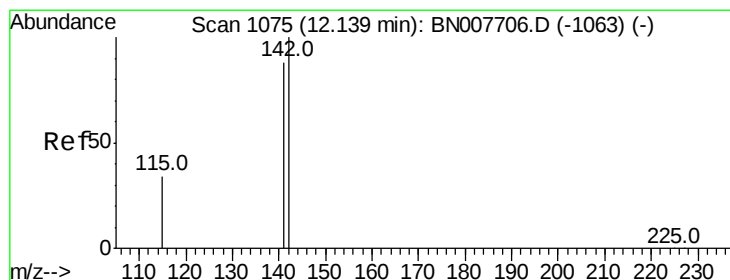
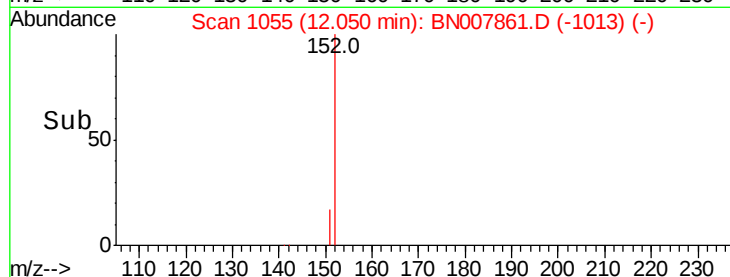
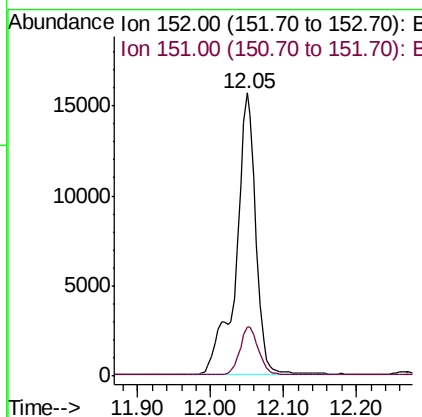
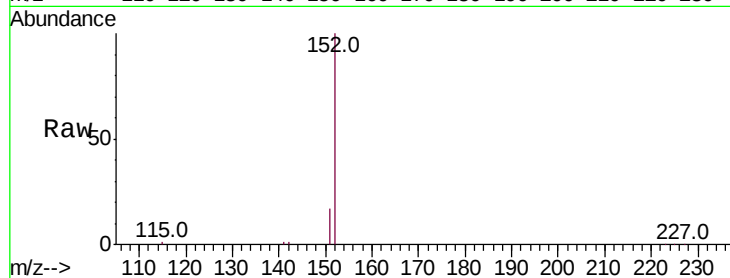




#11
 2-Methylnaphthalene-d10
 Concen: 0.408 ng
 RT: 12.05 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: BN007861.D
 Acq: 25 Sep 2019 19:29

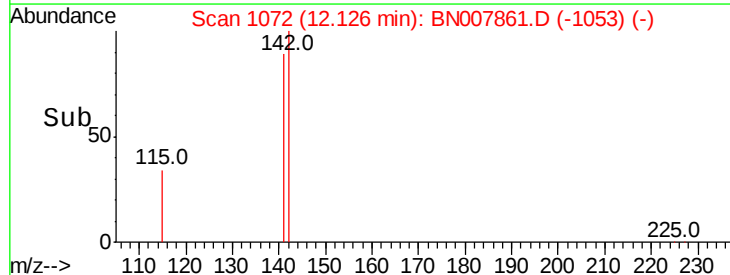
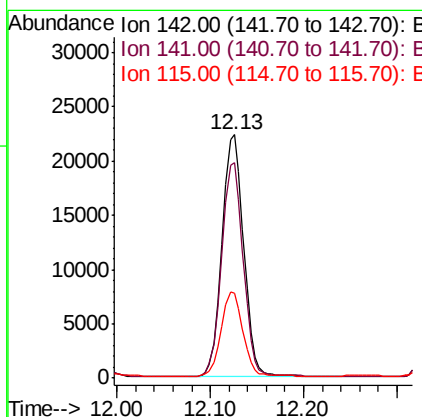
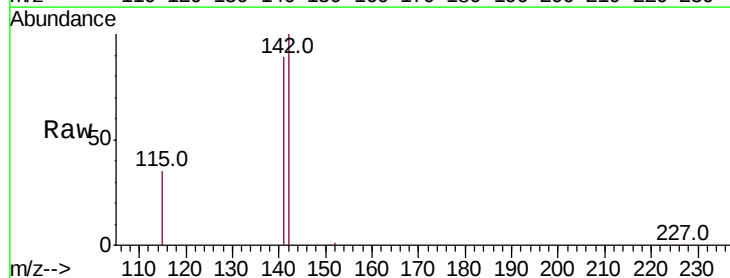
Instrument :
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 PST-B231-091919-1MS

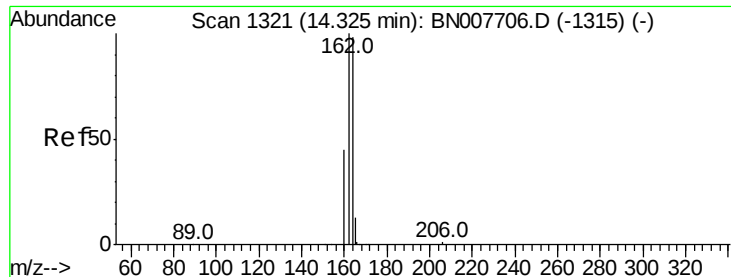
Tot Ion:152 Resp: 29620
 Ion Ratio Lower Upper
 152 100
 151 16.1 15.4 23.2



#12
 2-Methylnaphthalene
 Concen: 0.444 ng
 RT: 12.13 min Scan# 1072
 Delta R.T. -0.01 min
 Lab File: BN007861.D
 Acq: 25 Sep 2019 19:29

Tgt Ion:142 Resp: 36321
 Ion Ratio Lower Upper
 142 100
 141 88.7 70.6 106.0
 115 34.6 28.3 42.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.31 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BN007861.D

Acq: 25 Sep 2019 19:29

Instrument :

BNA_N

ClientSampleId :

PST-B231-091919-1MS

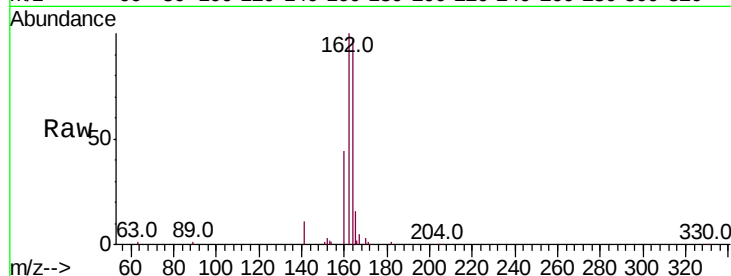
Tot Ion:164 Resp: 24627

Ion Ratio Lower Upper

164 100

162 102.6 81.7 122.5

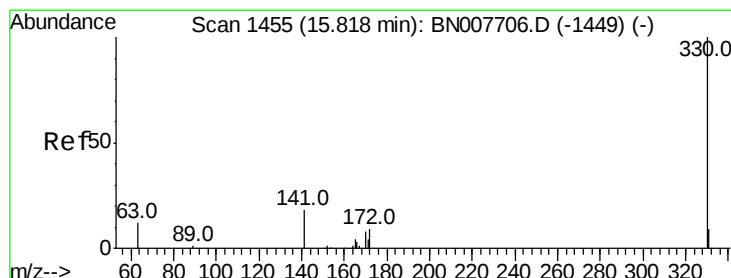
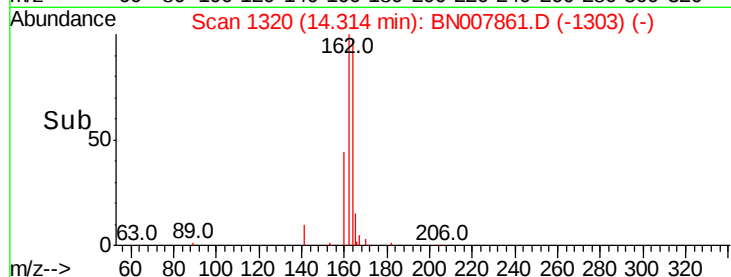
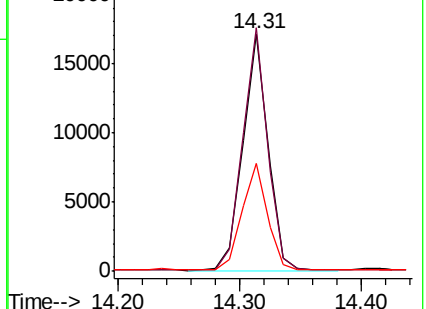
160 45.5 37.0 55.4



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: 0.191 ng

RT: 15.81 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BN007861.D

Acq: 25 Sep 2019 19:29

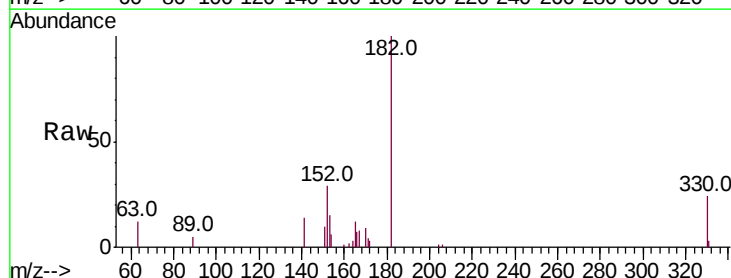
Tgt Ion:330 Resp: 2557

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

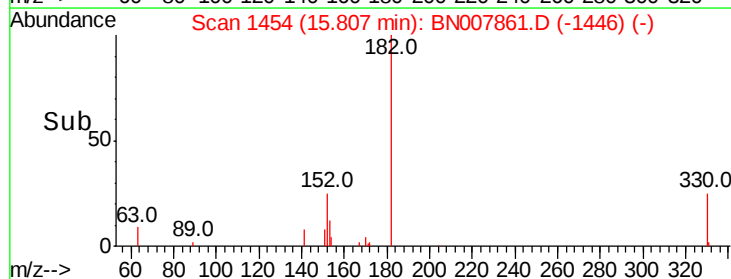
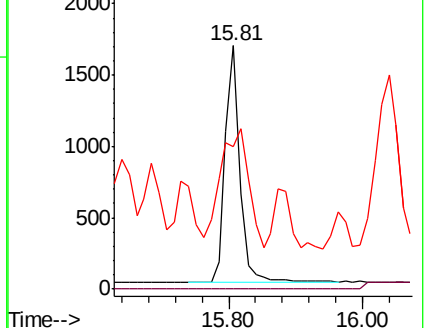
141 94.2 28.7 43.1#



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

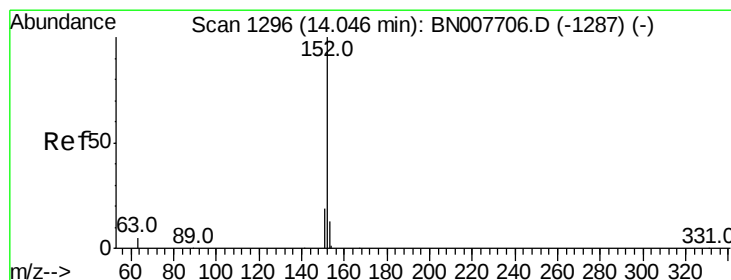
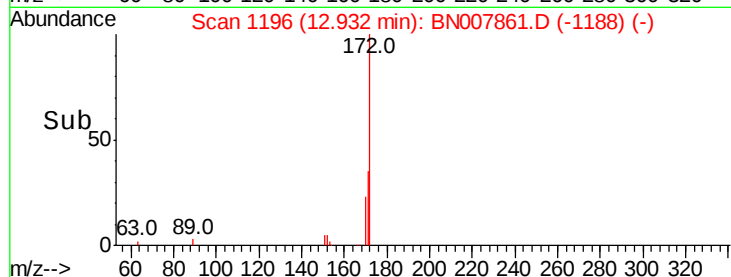
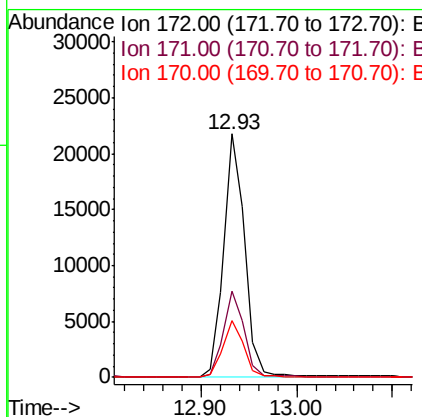
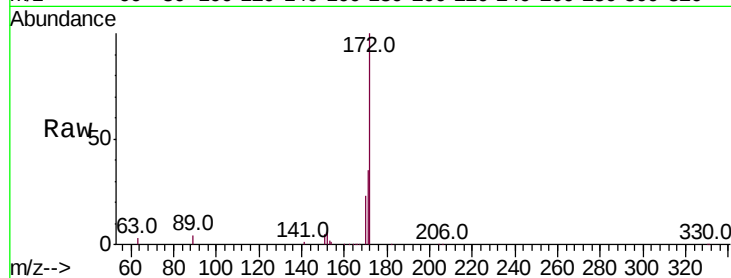




#15
2-Fluorobiphenyl
Concen: 0.326 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

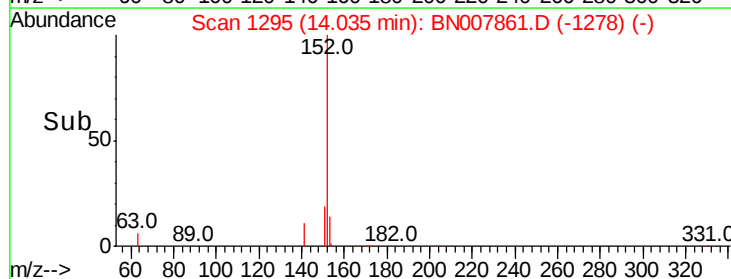
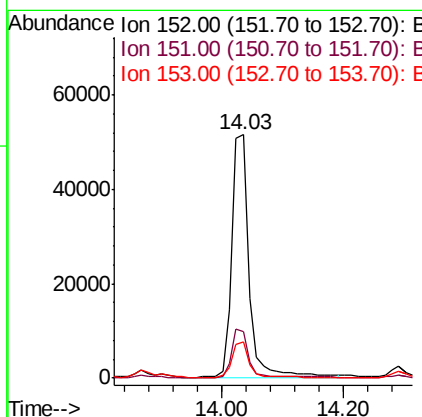
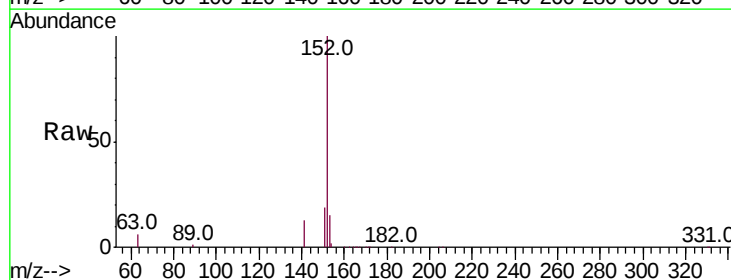
Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MS

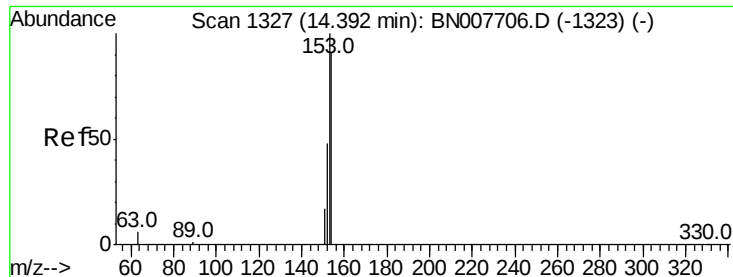
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.8	43.2
170	23.3	19.5	29.3



#16
Acenaphthylene
Concen: 0.768 ng
RT: 14.03 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.5	23.3
153	14.3	10.4	15.6





#17

Acenaphthene

Concen: 0.421 ng

RT: 14.37 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BN007861.D

Acq: 25 Sep 2019 19:29

Instrument :

BNA_N

ClientSampleId :

PST-B231-091919-1MS

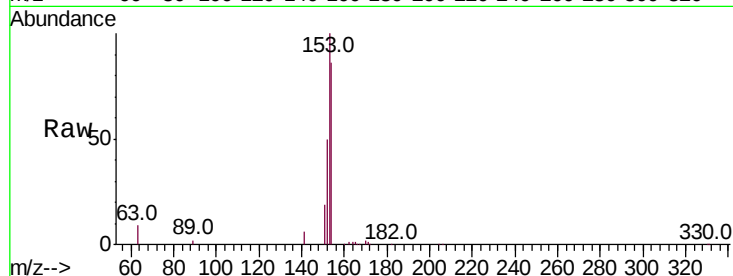
Tot Ion:154 Resp: 35458

Ion Ratio Lower Upper

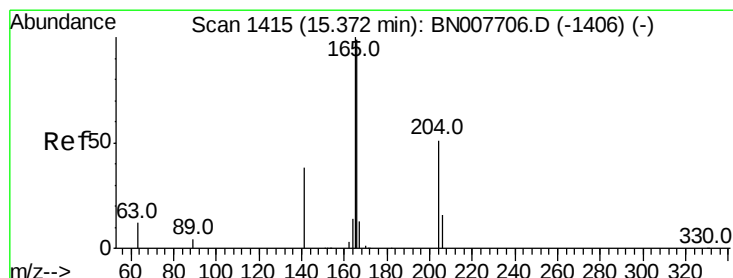
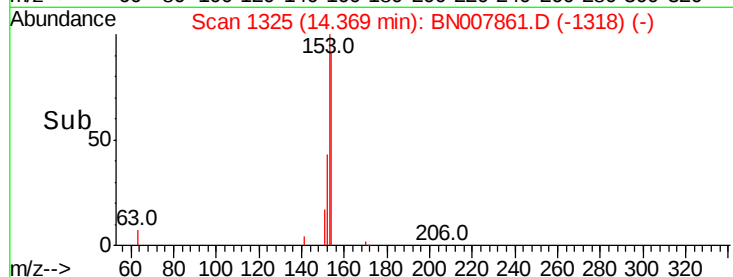
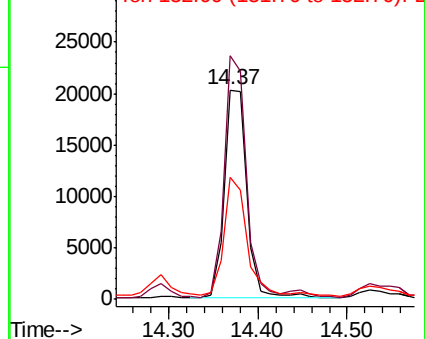
154 100

153 113.7 87.0 130.4

152 56.9 42.7 64.1



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.499 ng

RT: 15.36 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BN007861.D

Acq: 25 Sep 2019 19:29

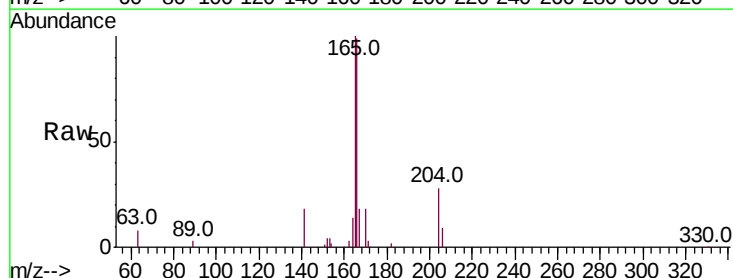
Tgt Ion:166 Resp: 53810

Ion Ratio Lower Upper

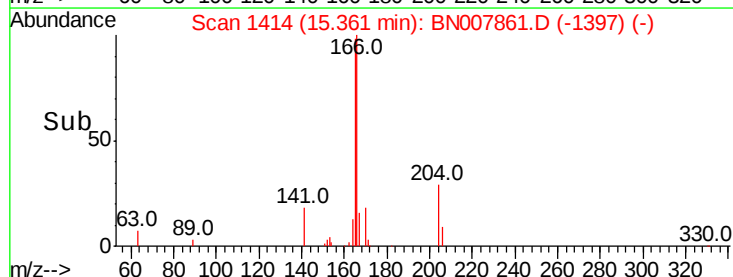
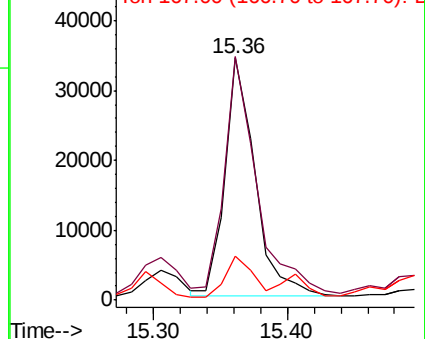
166 100

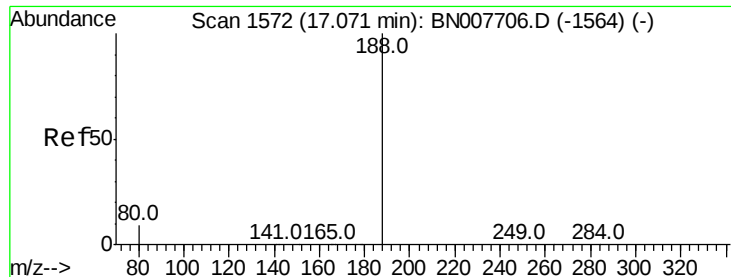
165 105.0 78.0 117.0

167 16.0 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: BN007861.D

Acq: 25 Sep 2019 19:29

Instrument :

BNA_N

ClientSampleId :

PST-B231-091919-1MS

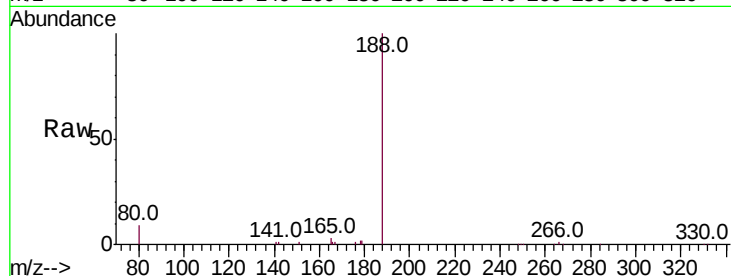
Tot Ion:188 Resp: 44783

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

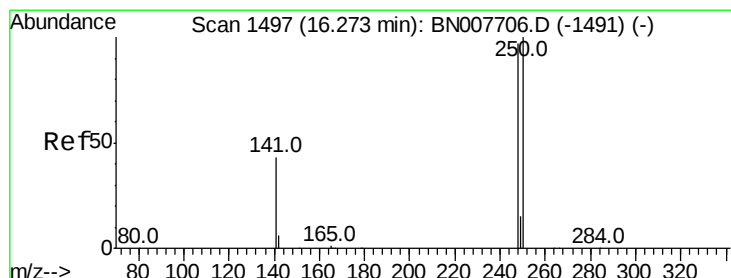
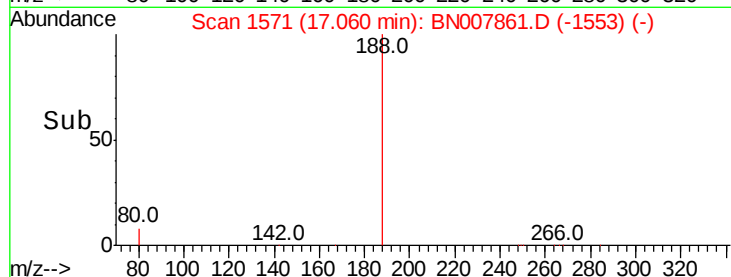
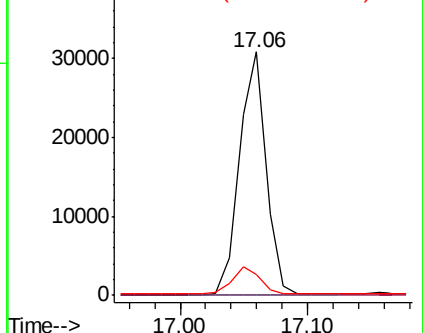
80 8.5 7.4 11.2



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



#20

4-Bromophenyl-phenylether

Concen: 0.312 ng

RT: 16.25 min Scan# 1495

Delta R.T. -0.02 min

Lab File: BN007861.D

Acq: 25 Sep 2019 19:29

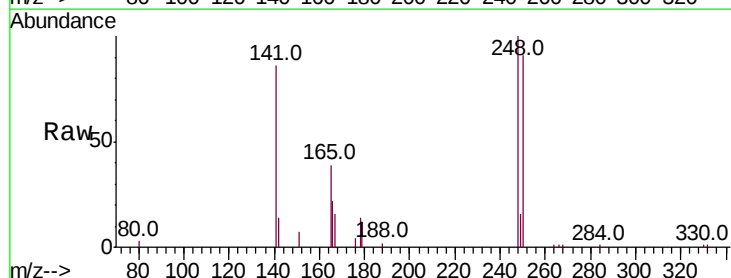
Tgt Ion:248 Resp: 8469

Ion Ratio Lower Upper

248 100

250 91.4 82.2 123.4

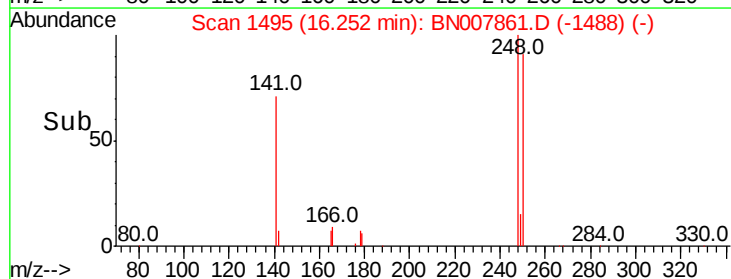
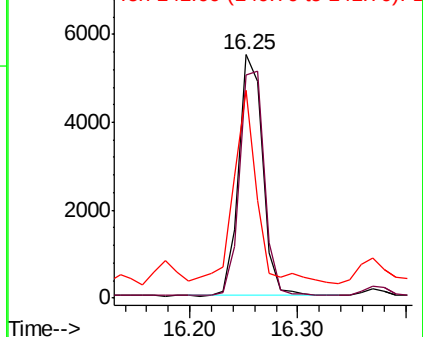
141 85.5 36.3 54.5#

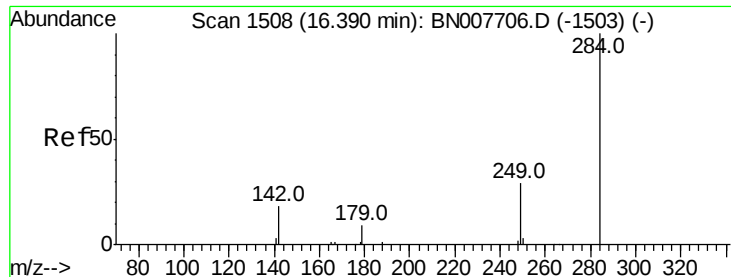


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

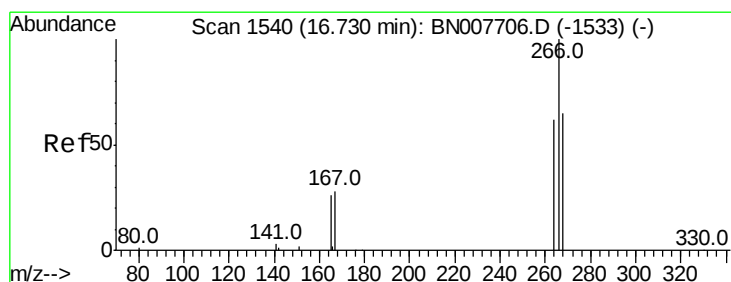
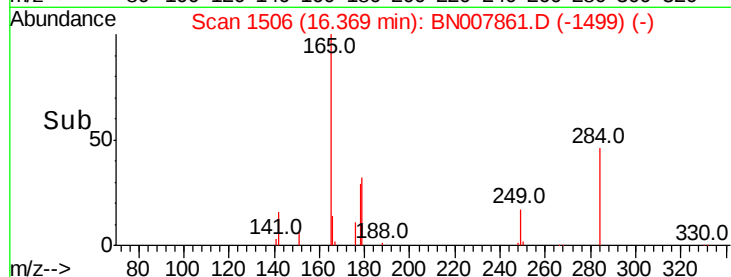
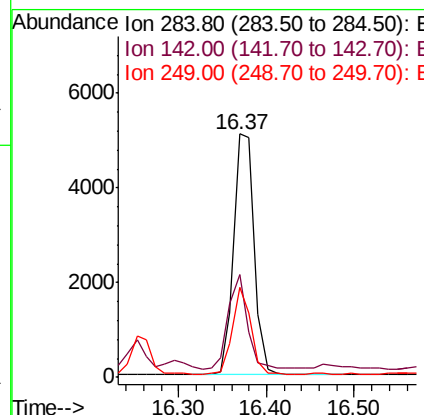
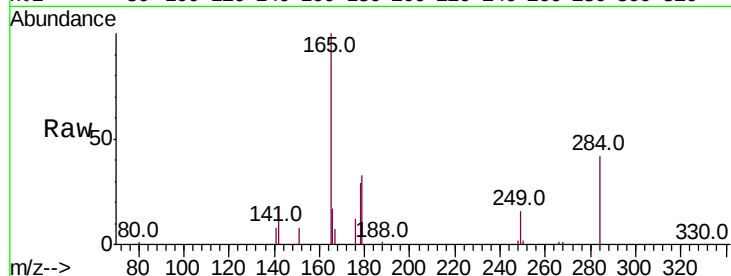




#21
Hexachlorobenzene
Concen: 0.277 ng
RT: 16.37 min Scan# 1506
Delta R.T. -0.02 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

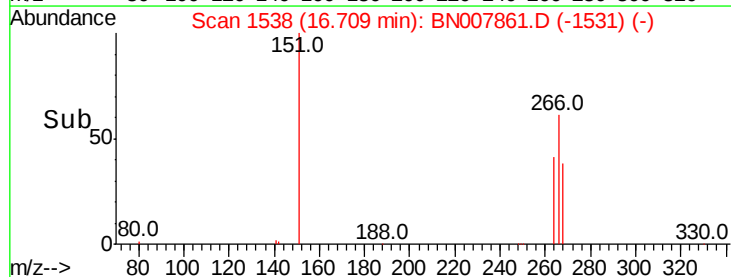
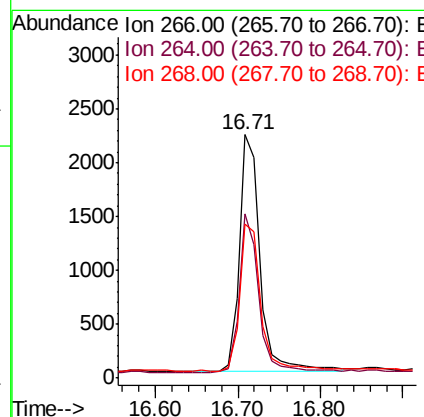
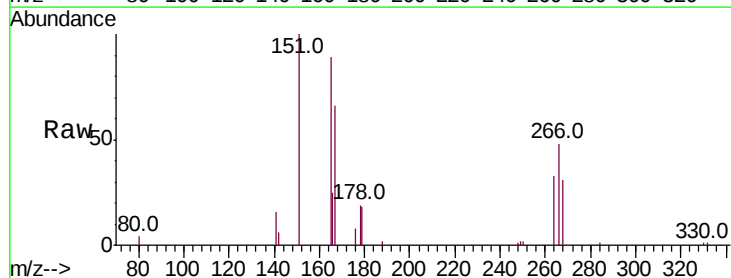
Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MS

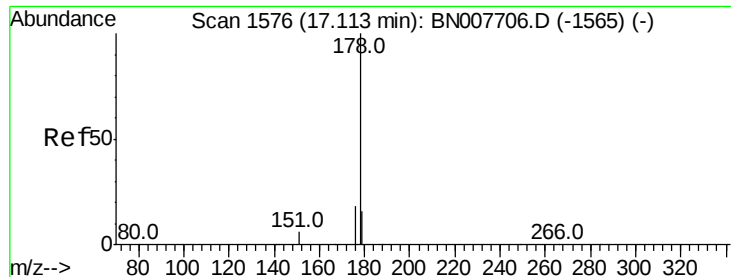
Tot Ion	Ratio	Lower	Upper
284	100		
142	35.4	25.8	38.6
249	32.0	25.9	38.9



#22
Pentachlorophenol
Concen: 0.351 ng
RT: 16.71 min Scan# 1538
Delta R.T. -0.02 min
Lab File: BN007861.D
Acq: 25 Sep 2019 19:29

Tgt Ion	Ratio	Lower	Upper
266	100		
264	67.4	50.0	75.0
268	63.5	54.2	81.4





#23

Phenanthrene

Concen: 6.944 ng

RT: 17.10 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BN007861.D

Acq: 25 Sep 2019 19:29

Instrument:

BNA_N

ClientSampleId:

PST-B231-091919-1MS

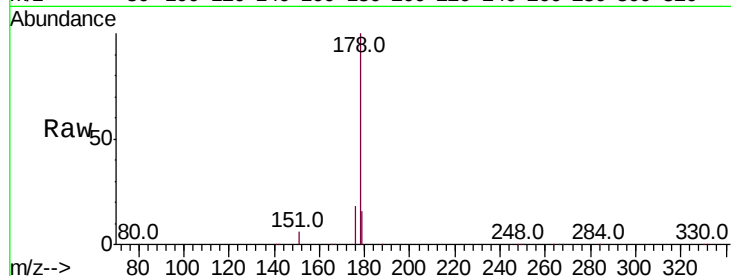
Tot Ion:178 Resp: 968771

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

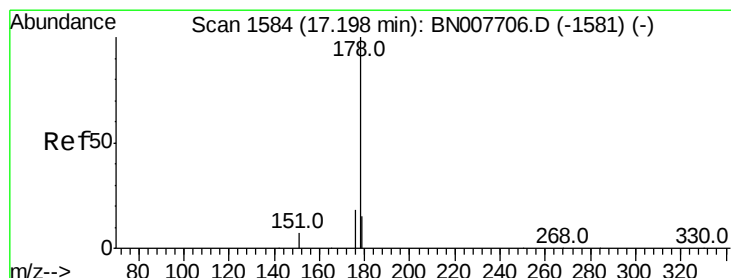
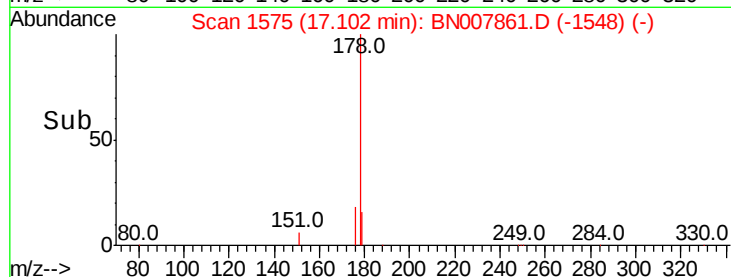
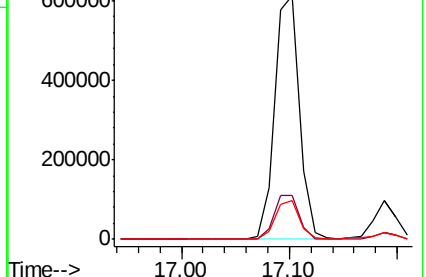
179 15.6 12.5 18.7



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: 1.055 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BN007861.D

Acq: 25 Sep 2019 19:29

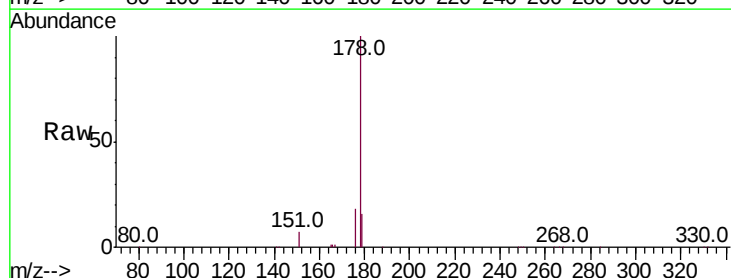
Tgt Ion:178 Resp: 132931

Ion Ratio Lower Upper

178 100

176 18.1 14.6 21.8

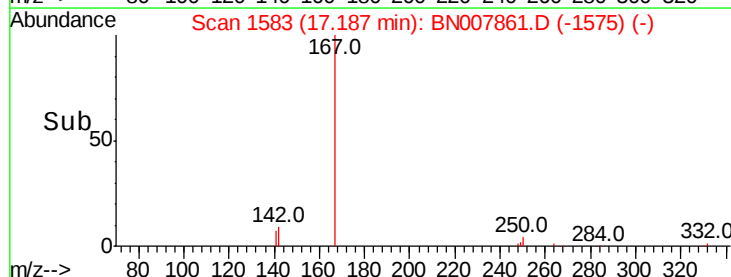
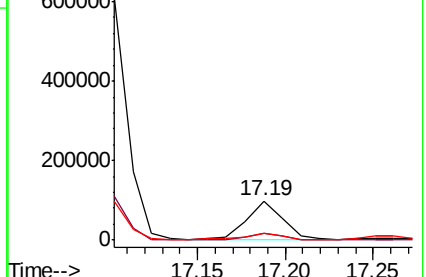
179 16.6 12.2 18.4

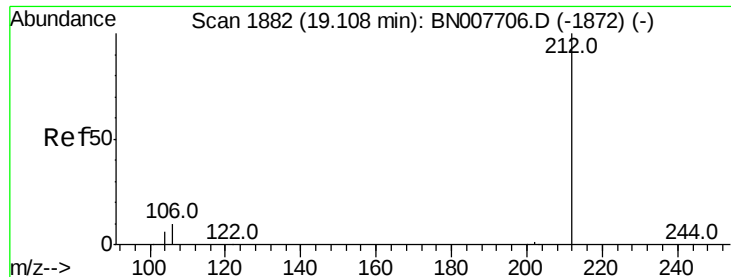


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.265 ng

RT: 19.09 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BN007861.D

Acq: 25 Sep 2019 19:29

Instrument :

BNA_N

ClientSampleId :

PST-B231-091919-1MS

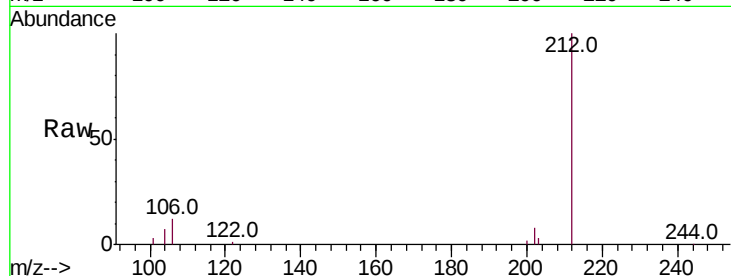
Tot Ion:212 Resp: 39938

Ion Ratio Lower Upper

212 100

106 11.8 9.4 14.0

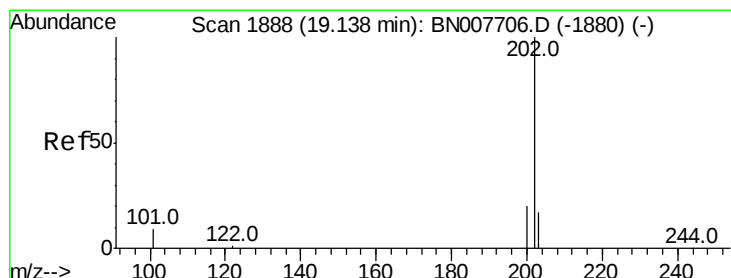
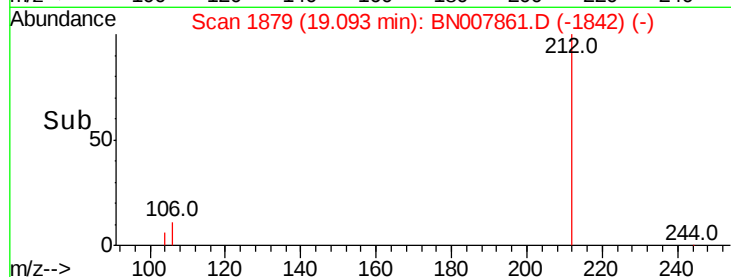
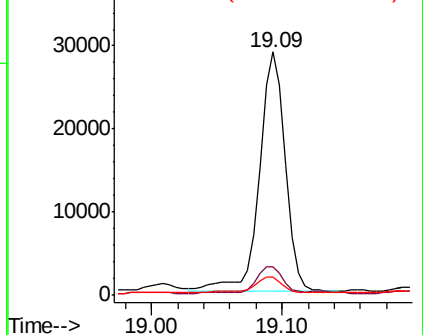
104 7.7 5.3 7.9



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: 5.376 ng

RT: 19.12 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BN007861.D

Acq: 25 Sep 2019 19:29

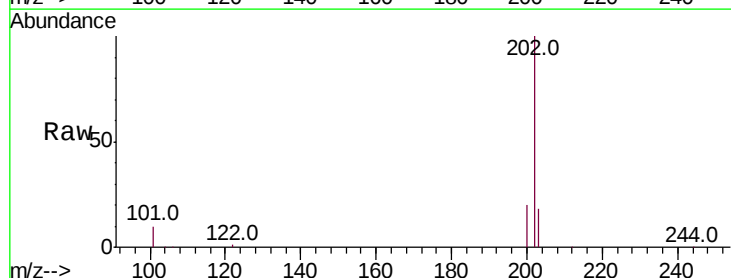
Tgt Ion:202 Resp: 932485

Ion Ratio Lower Upper

202 100

101 10.7 8.4 12.6

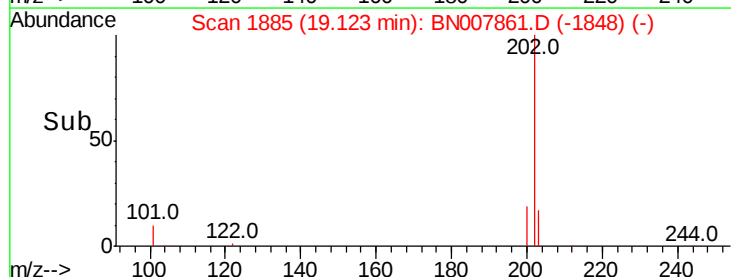
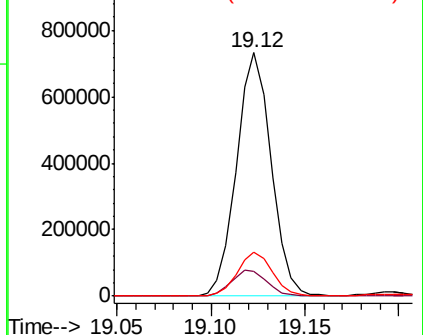
203 18.1 13.8 20.8



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: 21.26 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BN007861.D

Acq: 25 Sep 2019 19:29

Instrument :

BNA_N

ClientSampleId :

PST-B231-091919-1MS

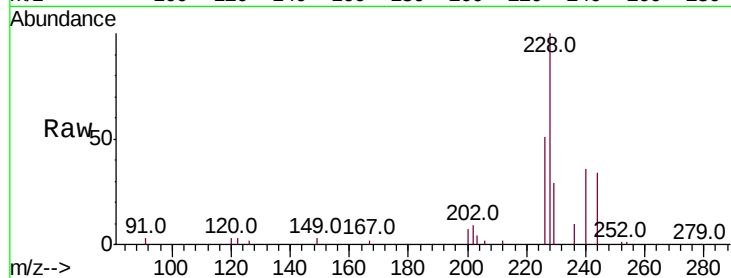
Tot Ion:240 Resp: 33287

Ion Ratio Lower Upper

240 100

120 7.3 5.4 8.2

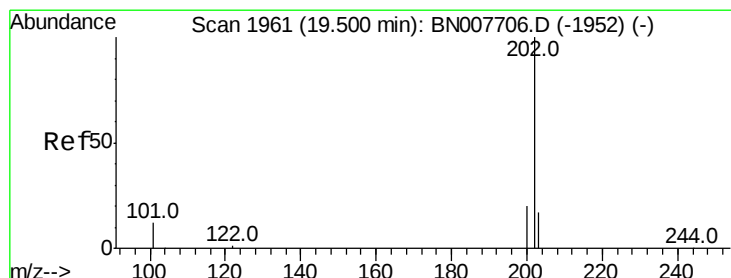
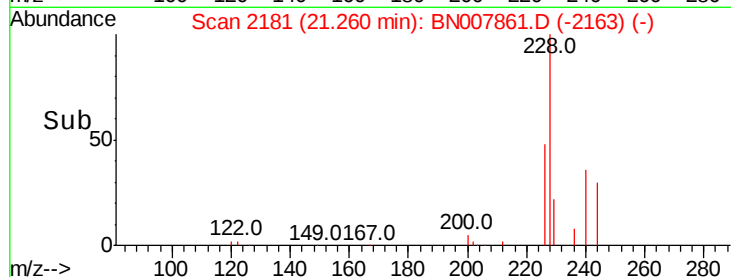
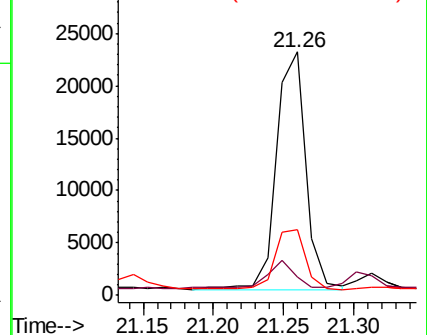
236 27.1 21.0 31.4



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: 12.501 ng

RT: 19.49 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BN007861.D

Acq: 25 Sep 2019 19:29

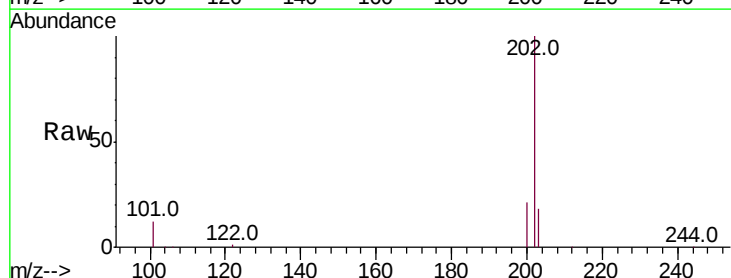
Tgt Ion:202 Resp: 1419205

Ion Ratio Lower Upper

202 100

200 20.5 16.4 24.6

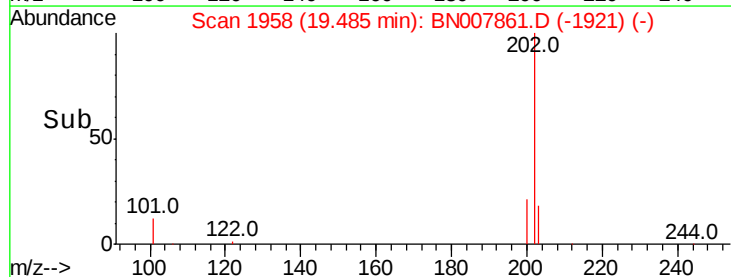
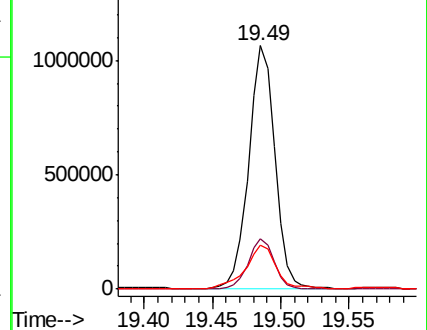
203 21.1 14.1 21.1

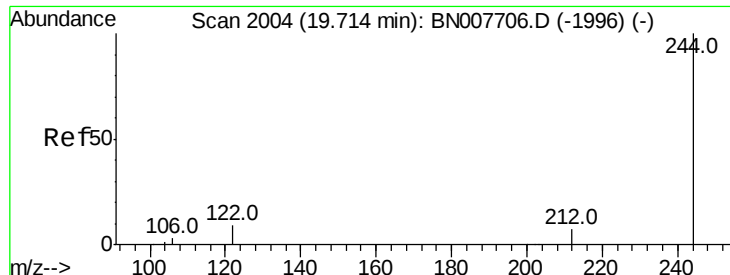


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

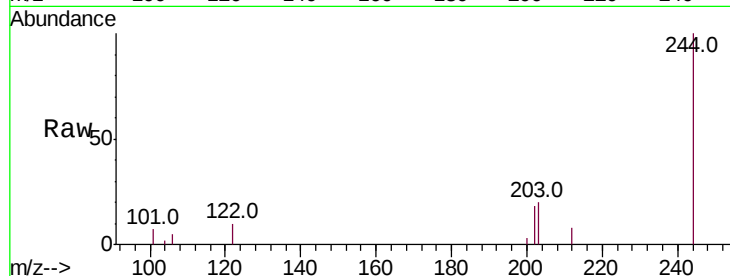




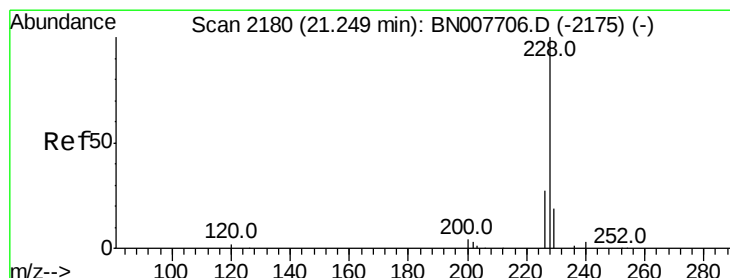
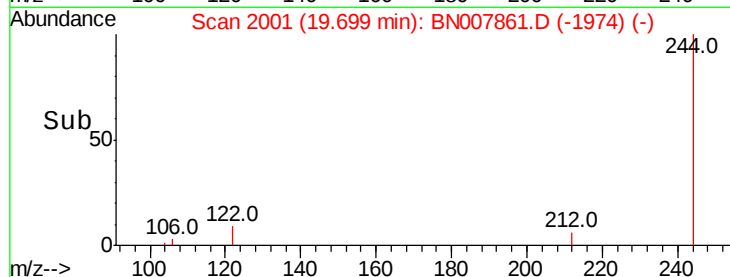
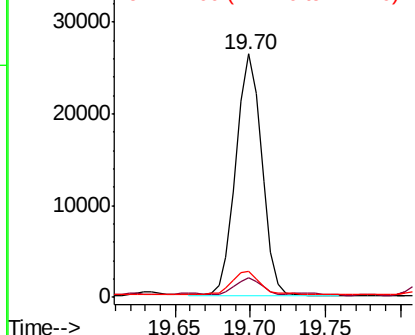
#29
 Terphenyl-d14
 Concen: 0.384 ng
 RT: 19.70 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BN007861.D
 Acq: 25 Sep 2019 19:29

Instrument :
 BNA_N
 ClientSampleId :
 PST-B231-091919-1MS

Tot Ion:244 Resp: 31392
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.9 8.9
 122 10.5 7.4 11.2

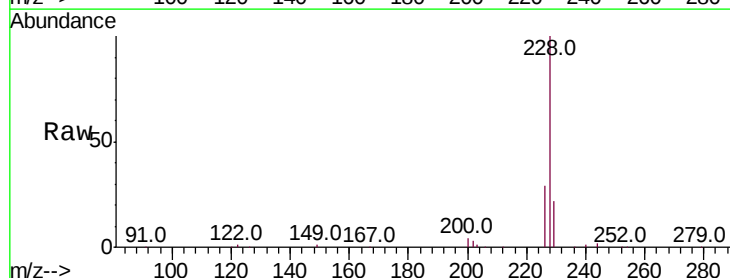


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

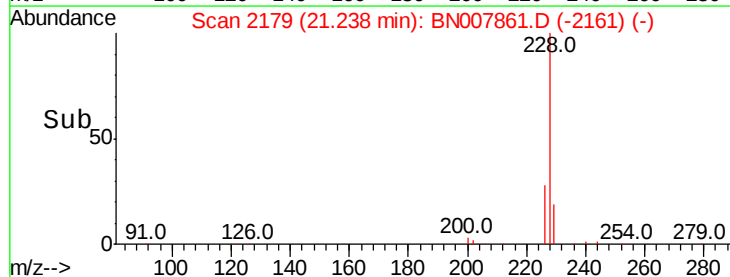
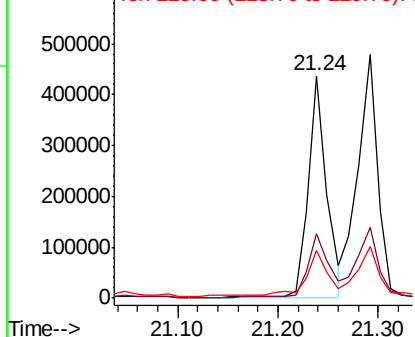


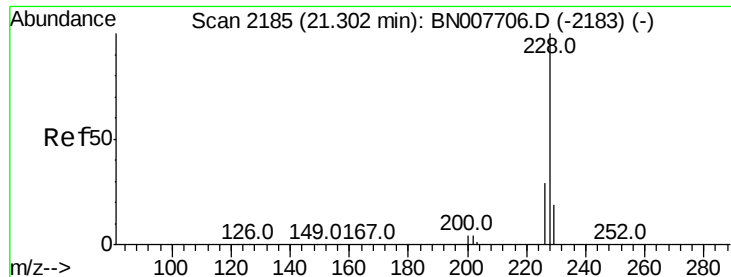
#30
 Benzo(a)anthracene
 Concen: 4.612 ng
 RT: 21.24 min Scan# 2179
 Delta R.T. -0.01 min
 Lab File: BN007861.D
 Acq: 25 Sep 2019 19:29

Tgt Ion:228 Resp: 565321
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.1 33.1
 229 21.7 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





#31

Chrysene

Concen: 5.530 ng

RT: 21.29 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BN007861.D

Acq: 25 Sep 2019 19:29

Instrument :

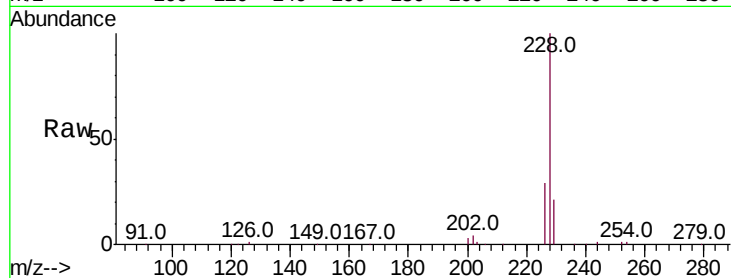
BNA_N

ClientSampleId :

PST-B231-091919-1MS

Tot Ion:228 Resp: 660657

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.9	35.9
229	21.3	15.8	23.6

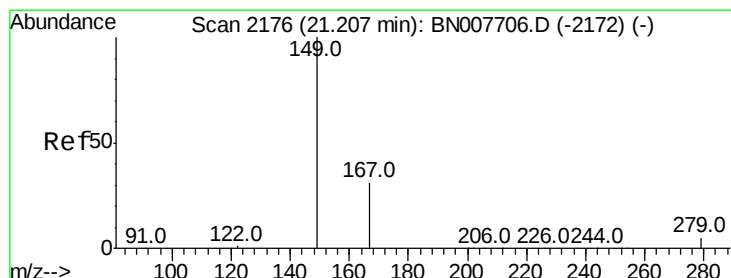
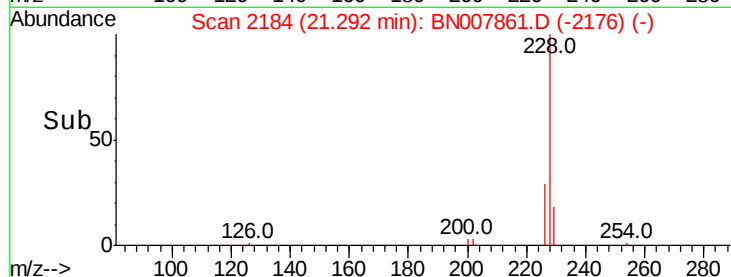
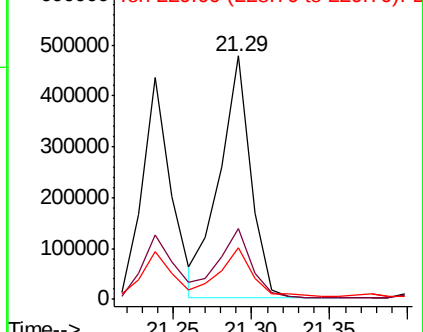


Abundance

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: 0.564 ng

RT: 21.19 min Scan# 2174

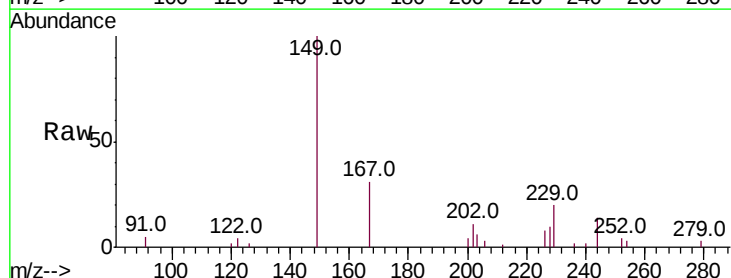
Delta R.T. -0.02 min

Lab File: BN007861.D

Acq: 25 Sep 2019 19:29

Tgt Ion:149 Resp: 35533

Ion	Ratio	Lower	Upper
149	100		
167	33.6	23.7	35.5
279	5.0	4.2	6.2

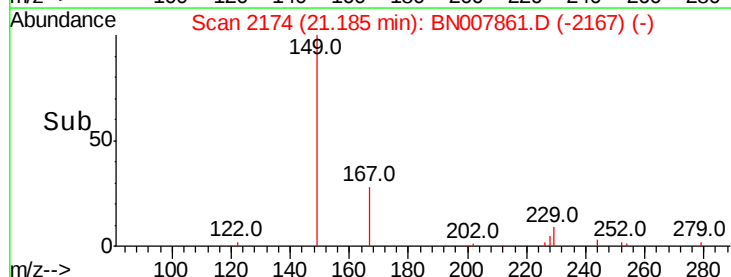
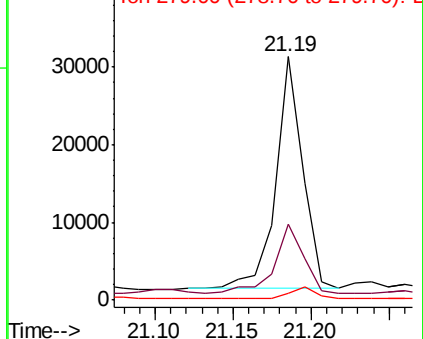


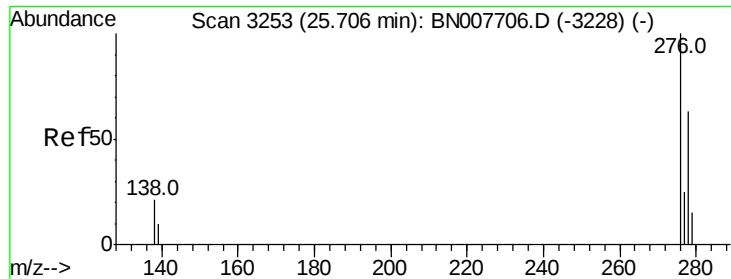
Abundance

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: 2.273 ng

RT: 25.68 min Scan# 3245

Delta R.T. -0.03 min

Lab File: BN007861.D

Acq: 25 Sep 2019 19:29

Instrument :

BNA_N

ClientSampleId :

PST-B231-091919-1MS

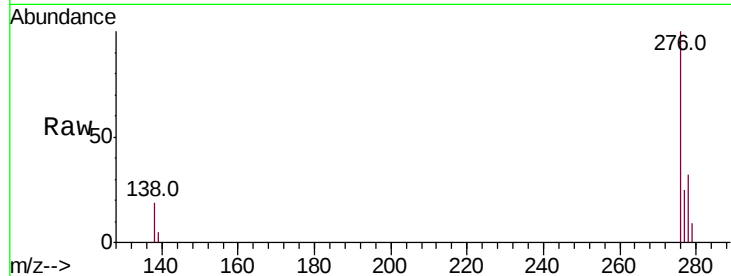
Tot Ion:276 Resp: 340013

Ion Ratio Lower Upper

276 100

138 19.3 17.1 25.7

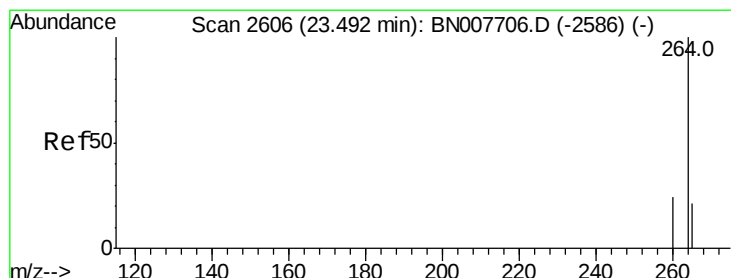
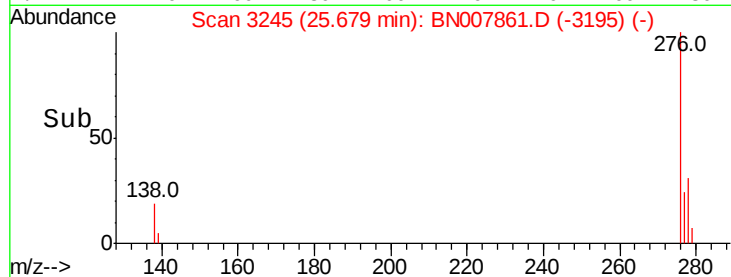
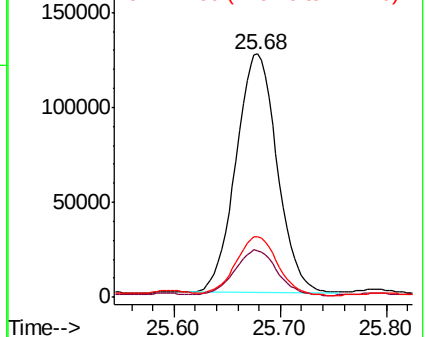
277 24.7 20.0 30.0



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: 23.47 min Scan# 2600

Delta R.T. -0.02 min

Lab File: BN007861.D

Acq: 25 Sep 2019 19:29

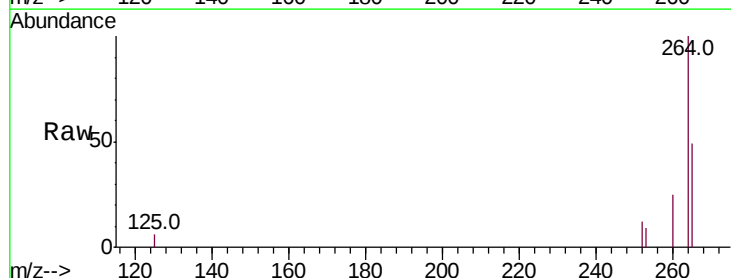
Tgt Ion:264 Resp: 39214

Ion Ratio Lower Upper

264 100

260 24.7 19.3 28.9

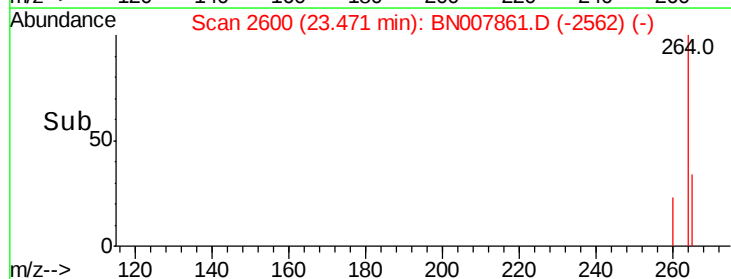
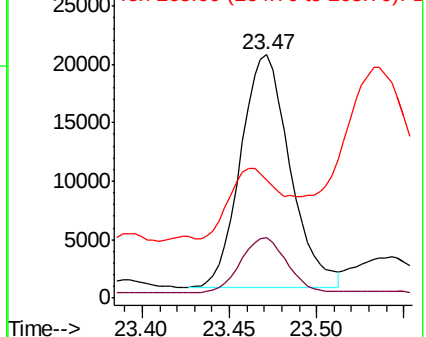
265 48.6 26.9 40.3#

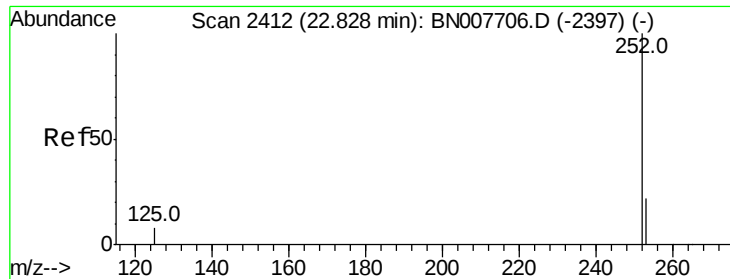


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 4.375 ng

RT: 22.81 min Scan# 2408

Delta R.T. -0.01 min

Lab File: BN007861.D

Acq: 25 Sep 2019 19:29

Instrument :

BNA_N

ClientSampleId :

PST-B231-091919-1MS

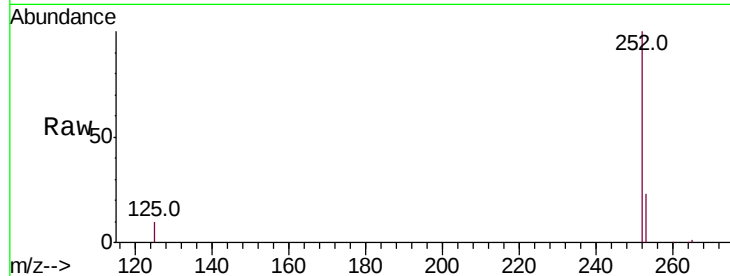
Tot Ion:252 Resp: 595597

Ion Ratio Lower Upper

252 100

253 22.8 18.3 27.5

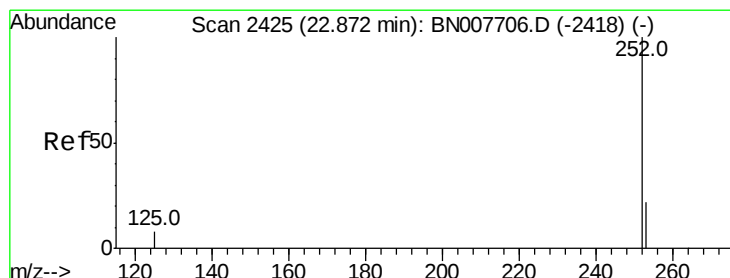
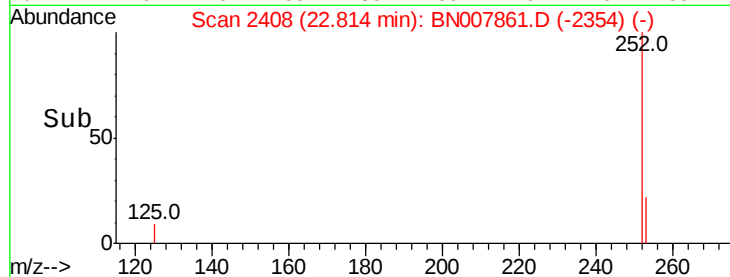
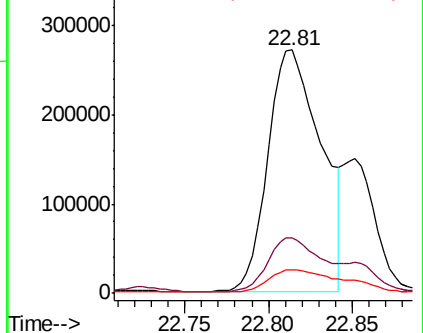
125 9.6 8.2 12.4



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: 4.424 ng

RT: 22.81 min Scan# 2408

Delta R.T. -0.06 min

Lab File: BN007861.D

Acq: 25 Sep 2019 19:29

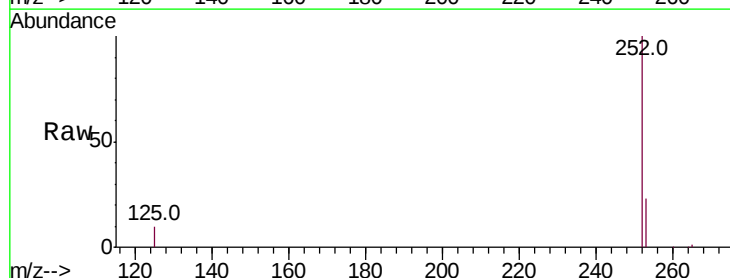
Tgt Ion:252 Resp: 595597

Ion Ratio Lower Upper

252 100

253 22.8 18.5 27.7

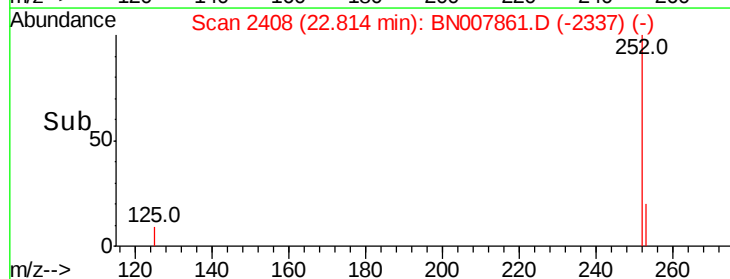
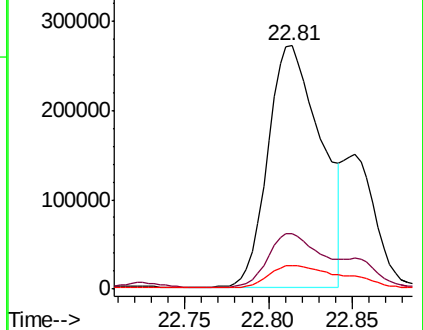
125 9.6 8.4 12.6

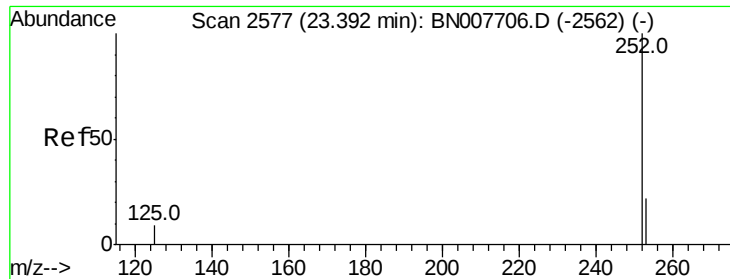


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 3.863 ng

RT: 23.37 min Scan# 2571

Delta R.T. -0.02 min

Lab File: BN007861.D

Acq: 25 Sep 2019 19:29

Instrument :

BNA_N

ClientSampleId :

PST-B231-091919-1MS

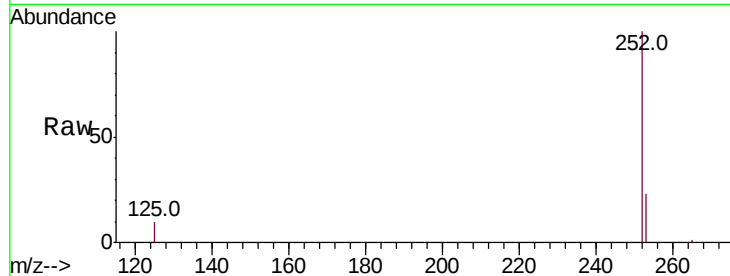
Tot Ion:252 Resp: 494153

Ion Ratio Lower Upper

252 100

253 22.6 18.6 27.8

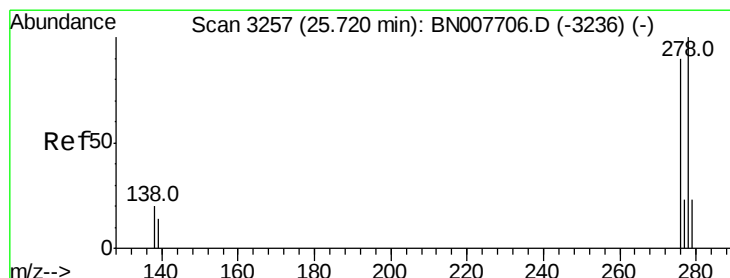
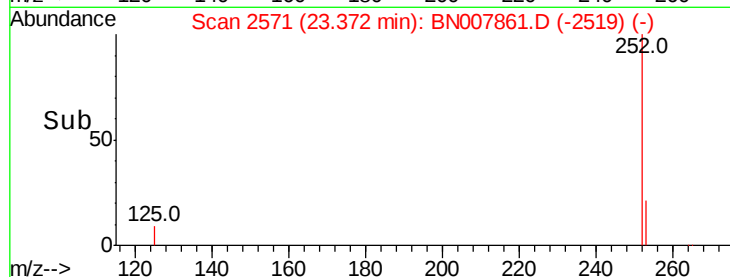
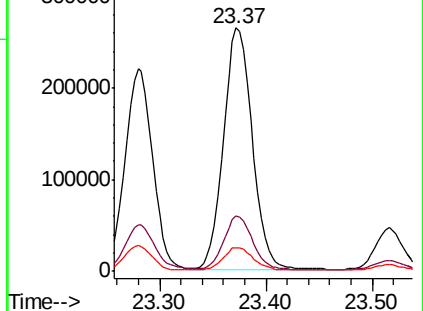
125 9.9 9.4 14.0



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: 0.972 ng

RT: 25.69 min Scan# 3247

Delta R.T. -0.03 min

Lab File: BN007861.D

Acq: 25 Sep 2019 19:29

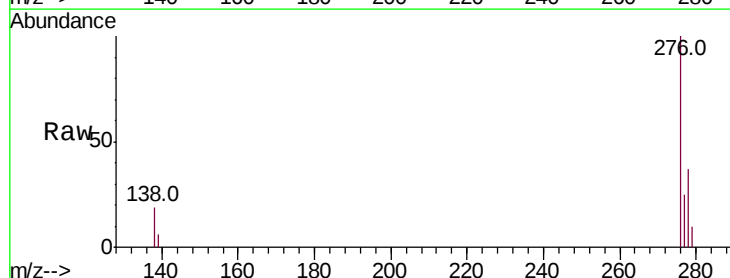
Tgt Ion:278 Resp: 127280

Ion Ratio Lower Upper

278 100

139 15.6 11.8 17.6

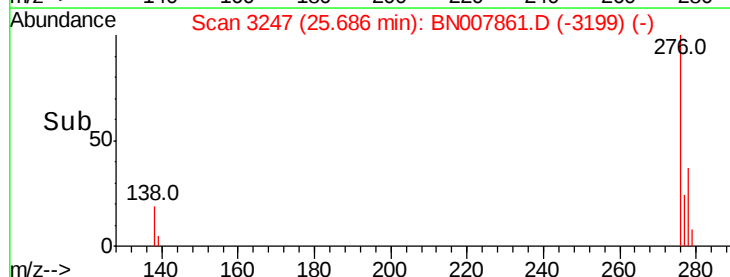
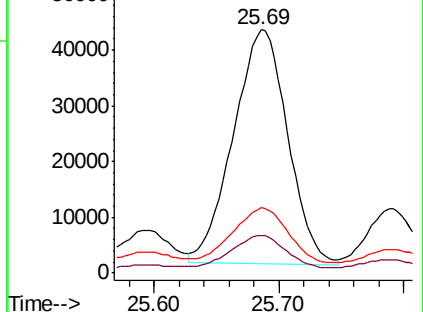
279 27.0 19.4 29.2

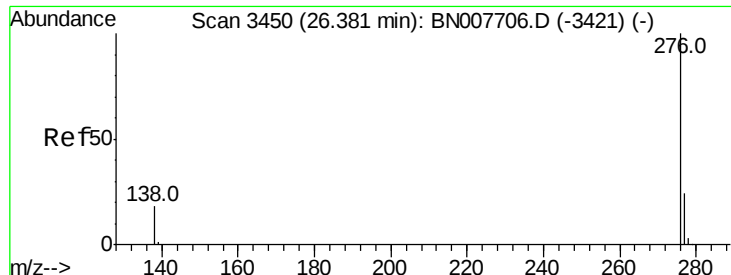


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 3.133 ng

RT: 26.35 min Scan# 3441

Delta R.T. -0.03 min

Lab File: BN007861.D

Acq: 25 Sep 2019 19:29

Instrument :

BNA_N

ClientSampleId :

PST-B231-091919-1MS

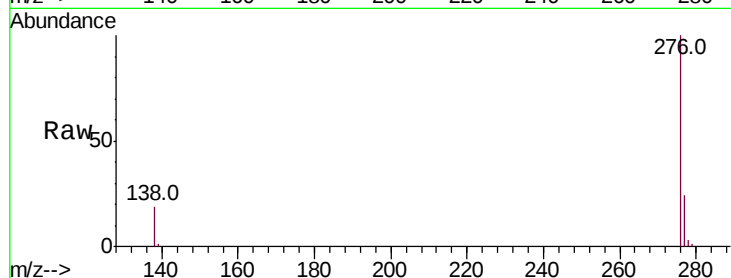
Tot Ion:276 Resp: 405875

Ion Ratio Lower Upper

276 100

277 24.1 19.8 29.8

138 18.9 15.1 22.7



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

