

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092019\
 Data File : BN007778.D
 Acq On : 21 Sep 2019 00:43
 Operator : HP/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Sep 21 03:34:28 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	5821	0.40	ng	0.00
7) Naphthalene-d8	10.46	136	23097	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	14313	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	31813	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	35959	0.40	ng	-0.02
34) Perylene-d12	23.46	264	37982	0.40	ng	-0.03

System Monitoring Compounds						
4) 2-Fluorophenol	5.31	112	6054	0.30	ng	0.00
5) Phenol-d6	6.87	99	7738	0.31	ng	0.00
8) Nitrobenzene-d5	8.83	82	6755	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	15506	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.81	330	2117	0.27	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	22404	0.38	ng	0.00
25) Fluoranthene-d10	19.09	212	40366	0.38	ng	-0.02
29) Terphenyl-d14	19.70	244	34461	0.39	ng	-0.02

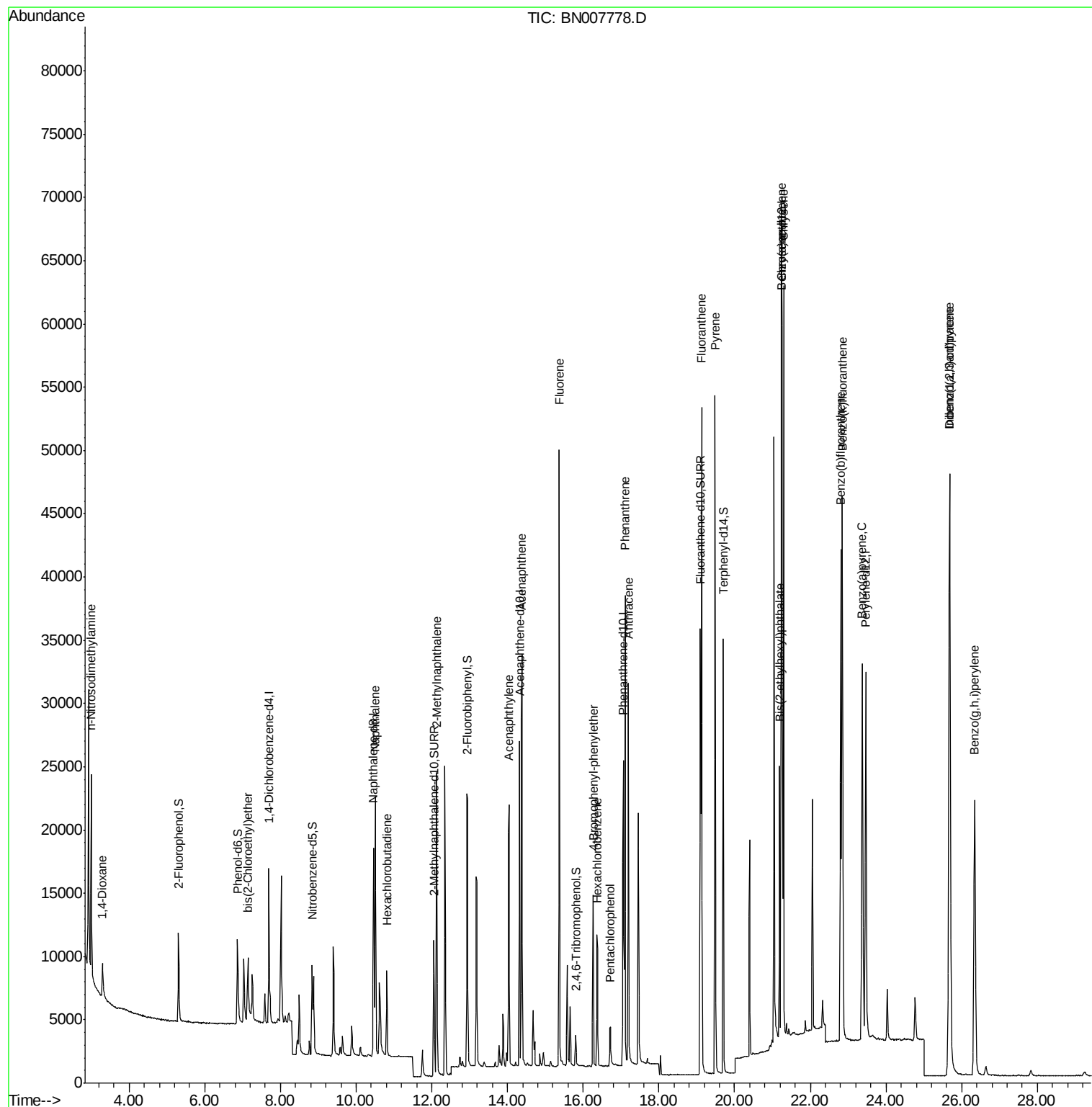
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.30	88	2253	0.347	ng	# 79
3) n-Nitrosodimethylamine	3.00	42	1710	0.575	ng	# 93
6) bis(2-Chloroethyl)ether	7.14	93	6065	0.368	ng	98
9) Naphthalene	10.51	128	26215	0.404	ng	99
10) Hexachlorobutadiene	10.81	225	5423	0.397	ng	# 100
12) 2-Methylnaphthalene	12.13	142	17688	0.404	ng	99
16) Acenaphthylene	14.03	152	25746	0.339	ng	100
17) Acenaphthene	14.38	154	17655	0.361	ng	98
18) Fluorene	15.36	166	22740	0.363	ng	100
20) 4-Bromophenyl-phenylether	16.26	248	7681	0.398	ng	100
21) Hexachlorobenzene	16.38	284	8760	0.415	ng	98
22) Pentachlorophenol	16.72	266	2217	0.285	ng	100
23) Phenanthrene	17.10	178	39730	0.401	ng	100
24) Anthracene	17.19	178	33233	0.371	ng	99
26) Fluoranthene	19.12	202	47485	0.385	ng	100
28) Pyrene	19.49	202	47766	0.389	ng	100
30) Benzo(a)anthracene	21.24	228	47181	0.356	ng	98
31) Chrysene	21.29	228	51801	0.401	ng	98
32) Bis(2-ethylhexyl)phthalate	21.19	149	18344	0.269	ng	99
33) Indeno(1,2,3-cd)pyrene	25.67	276	60125	0.372	ng	98
35) Benzo(b)fluoranthene	22.80	252	49726	0.377	ng	99
36) Benzo(k)fluoranthene	22.85	252	55047	0.422	ng	99
37) Benzo(a)pyrene	23.37	252	46290	0.374	ng	100
38) Dibenzo(a,h)anthracene	25.69	278	48278	0.381	ng	100
39) Benzo(g,h,i)perylene	26.34	276	46387	0.370	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: BN007778.D

Acq: 21 Sep 2019 00:43

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

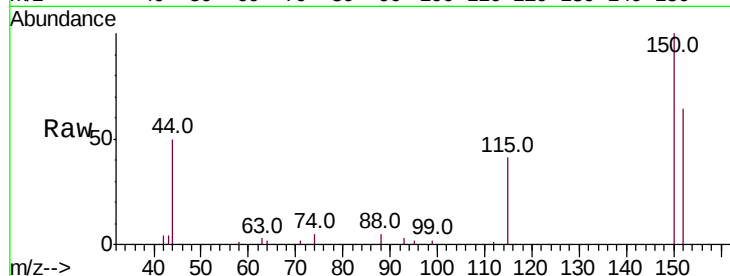
Tot Ion:152 Resp: 5821

Ion Ratio Lower Upper

152 100

150 155.6 125.6 188.4

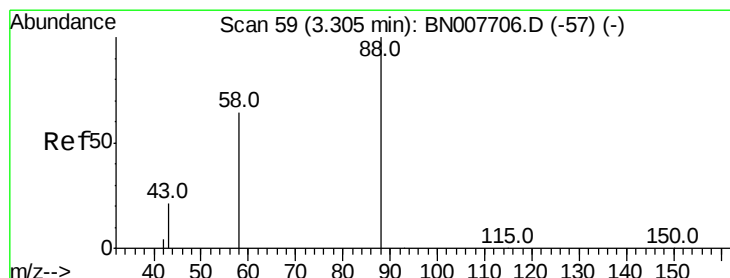
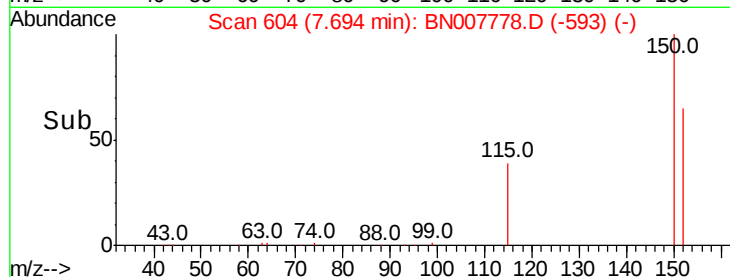
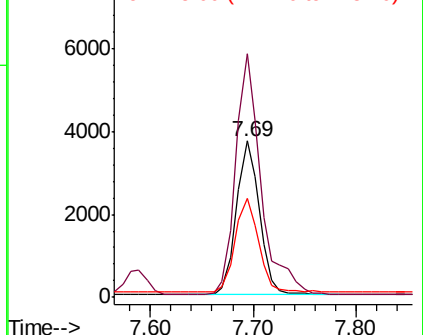
115 63.0 53.3 79.9



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: 0.347 ng

RT: 3.30 min Scan# 58

Delta R.T. -0.01 min

Lab File: BN007778.D

Acq: 21 Sep 2019 00:43

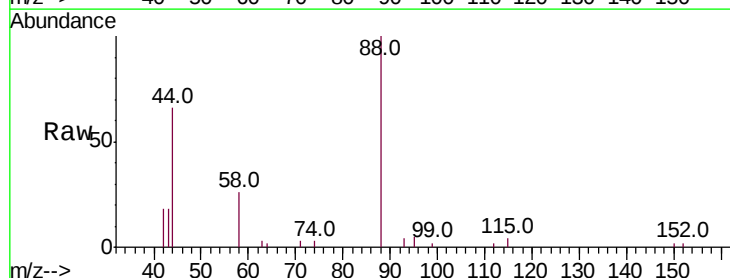
Tgt Ion: 88 Resp: 2253

Ion Ratio Lower Upper

88 100

58 71.9 44.6 66.8#

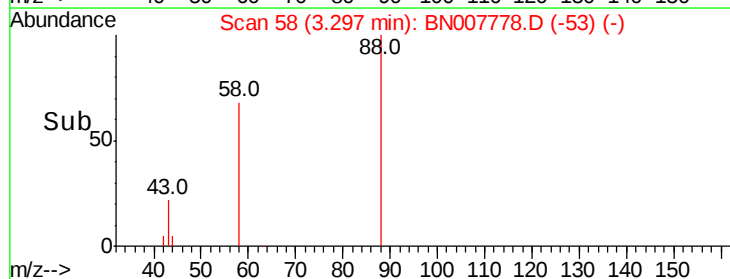
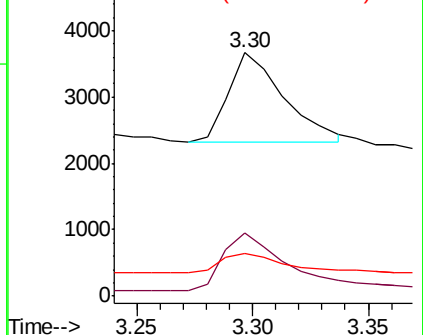
43 25.1 14.4 21.6#



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: 0.575 ng

RT: 3.00 min Scan# 21

Delta R.T. -0.01 min

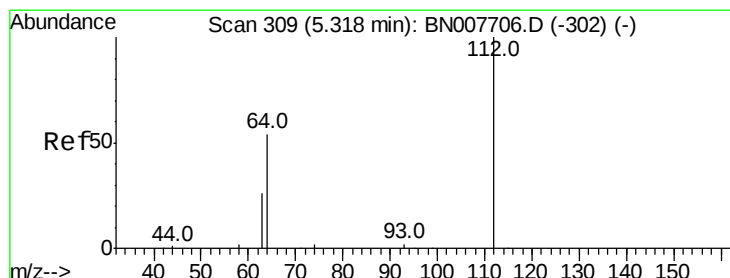
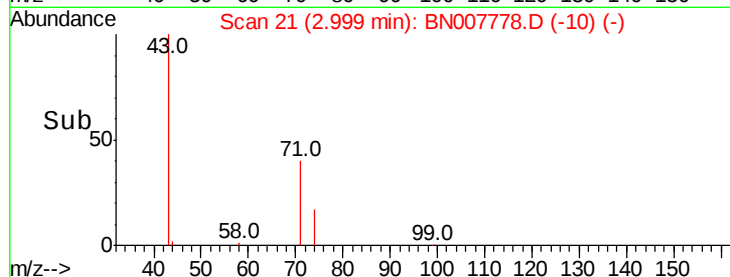
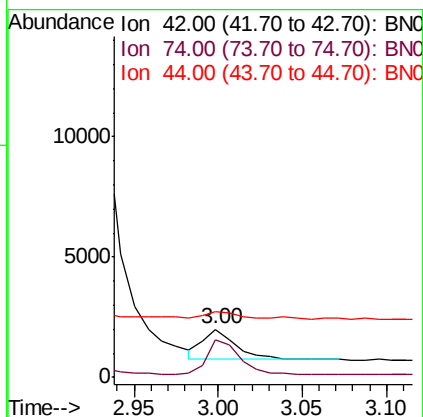
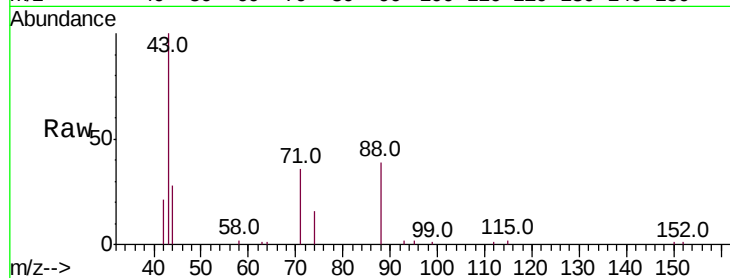
Lab File: BN007778.D

Acq: 21 Sep 2019 00:43

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tot Ion: 42 Resp: 1710

Ion	Ratio	Lower	Upper
42	100		
74	111.2	87.9	131.9
44	22.4	29.4	44.0#



#4

2-Fluorophenol

Concen: 0.302 ng

RT: 5.31 min Scan# 308

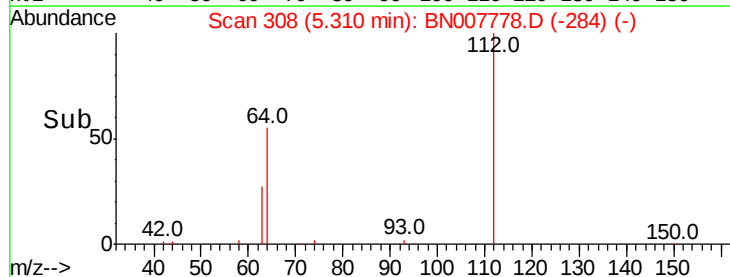
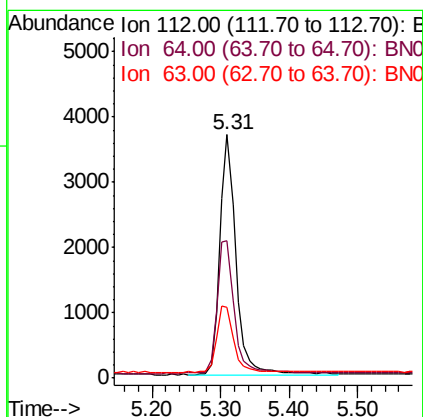
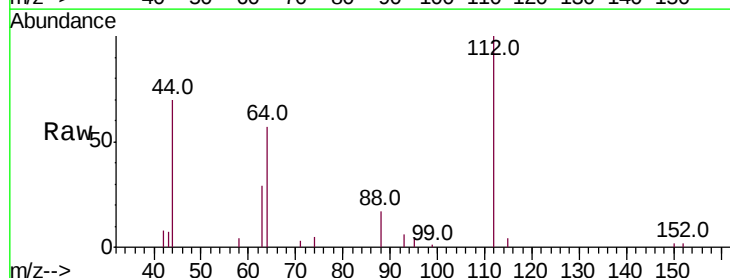
Delta R.T. -0.01 min

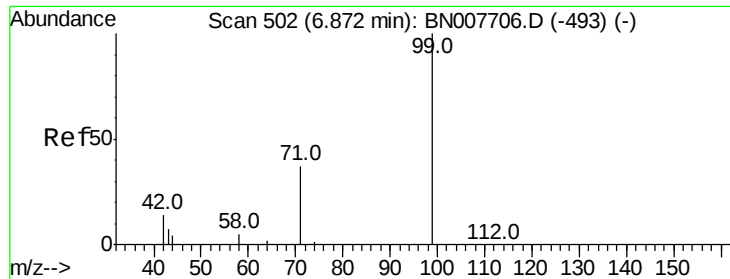
Lab File: BN007778.D

Acq: 21 Sep 2019 00:43

Tgt Ion: 112 Resp: 6054

Ion	Ratio	Lower	Upper
112	100		
64	59.7	46.6	70.0
63	29.7	23.1	34.7





#5

Phenol-d6

Concen: 0.308 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007778.D

Acq: 21 Sep 2019 00:43

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

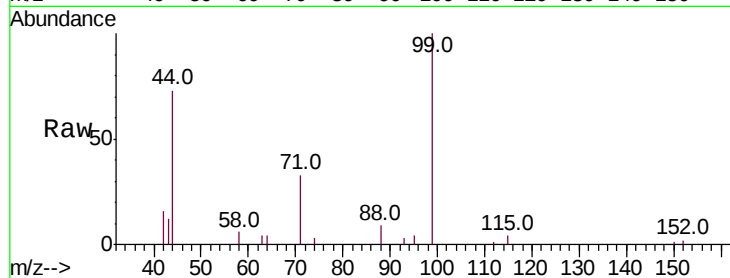
Tot Ion: 99 Resp: 7738

Ion Ratio Lower Upper

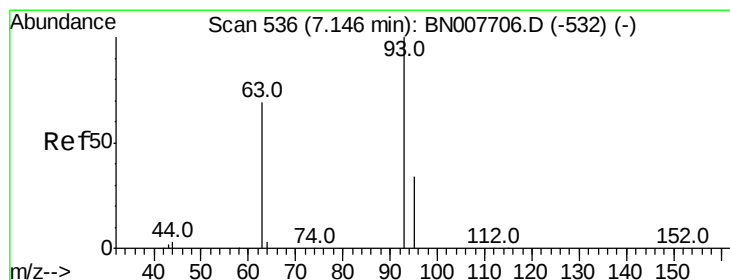
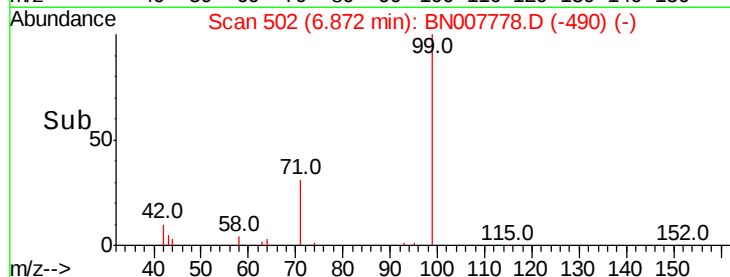
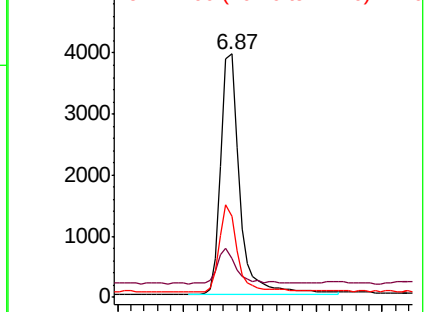
99 100

42 15.1 12.8 19.2

71 34.9 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: 0.368 ng

RT: 7.14 min Scan# 535

Delta R.T. -0.01 min

Lab File: BN007778.D

Acq: 21 Sep 2019 00:43

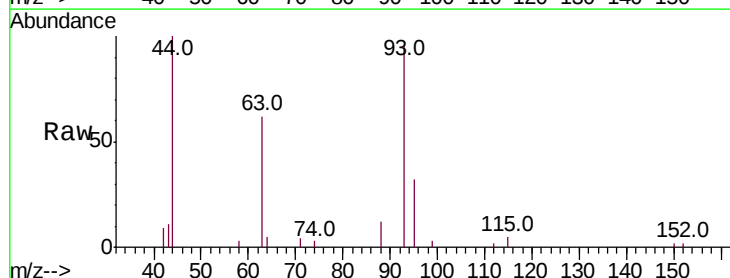
Tgt Ion: 93 Resp: 6065

Ion Ratio Lower Upper

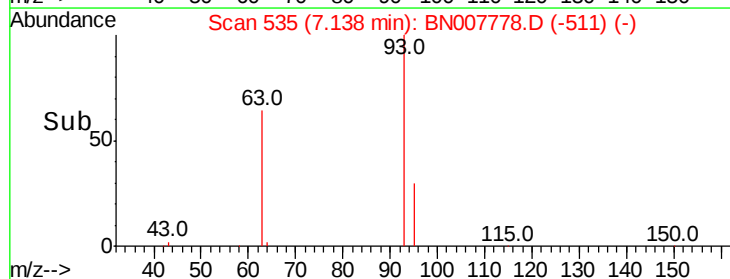
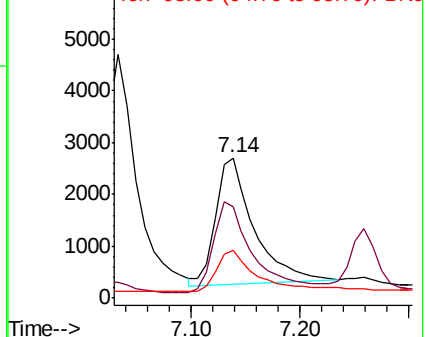
93 100

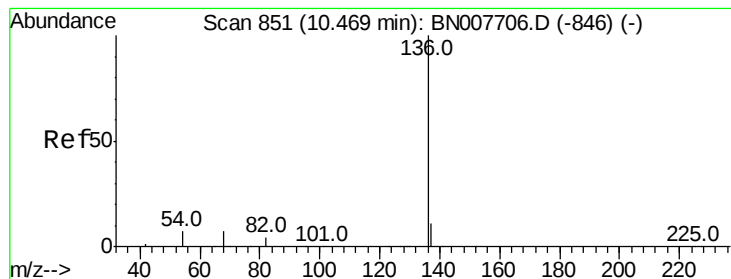
63 72.7 59.3 88.9

95 38.4 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: BN007778.D

Acq: 21 Sep 2019 00:43

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

Tot Ion:136 Resp: 23097

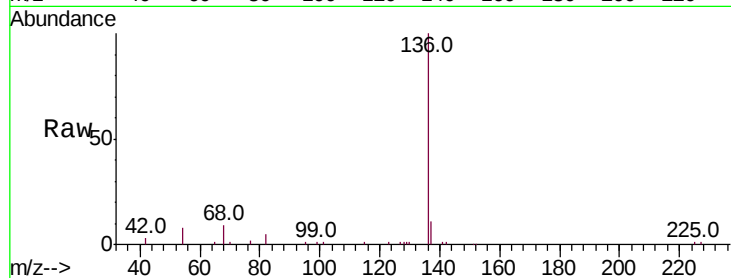
Ion Ratio Lower Upper

136 100

137 11.4 9.2 13.8

54 8.4 5.8 8.8

68 8.9 6.5 9.7

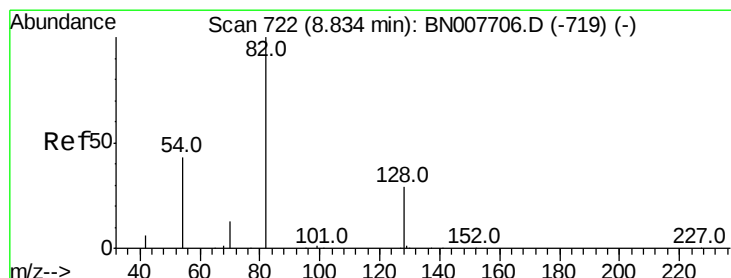
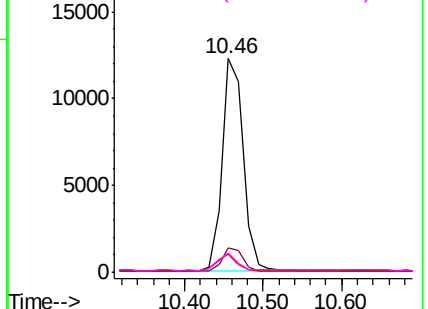
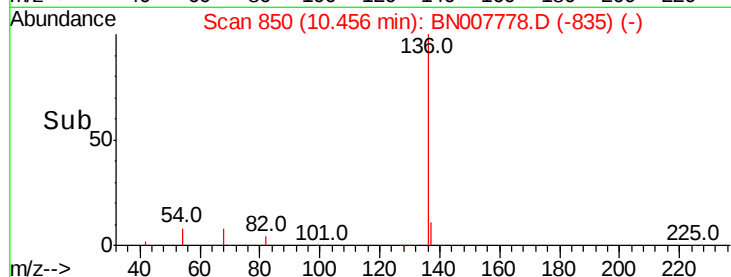


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.334 ng

RT: 8.83 min Scan# 722

Delta R.T. -0.00 min

Lab File: BN007778.D

Acq: 21 Sep 2019 00:43

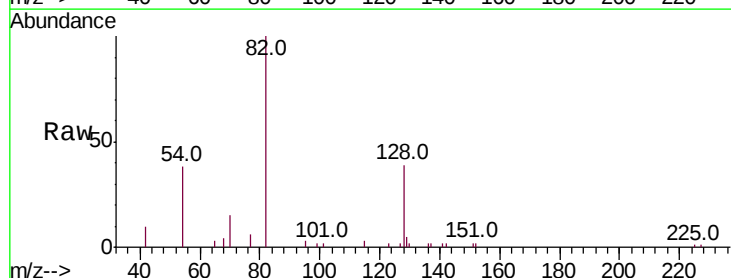
Tgt Ion: 82 Resp: 6755

Ion Ratio Lower Upper

82 100

128 39.1 24.5 36.7#

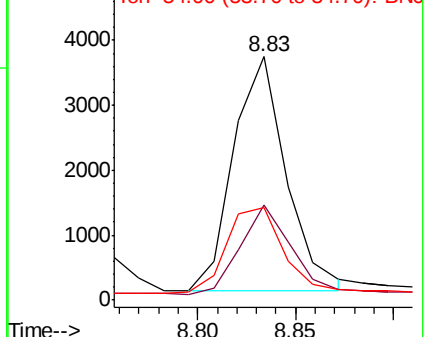
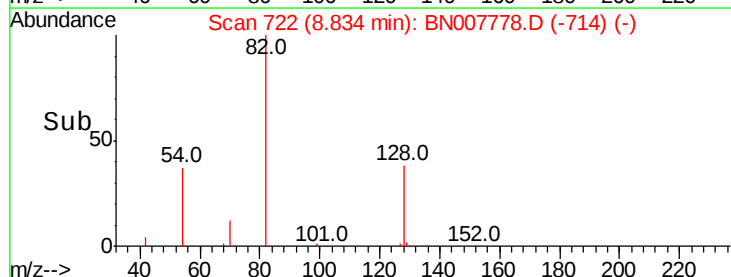
54 37.9 35.2 52.8

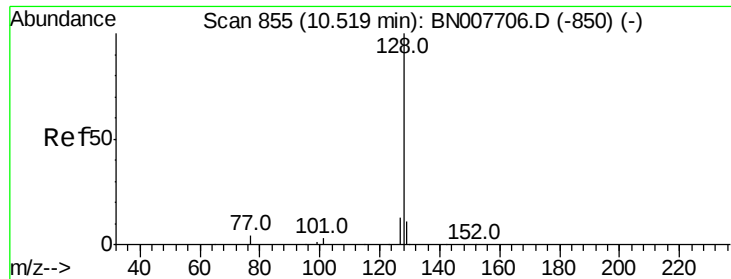


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.404 ng

RT: 10.51 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN007778.D

Acq: 21 Sep 2019 00:43

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

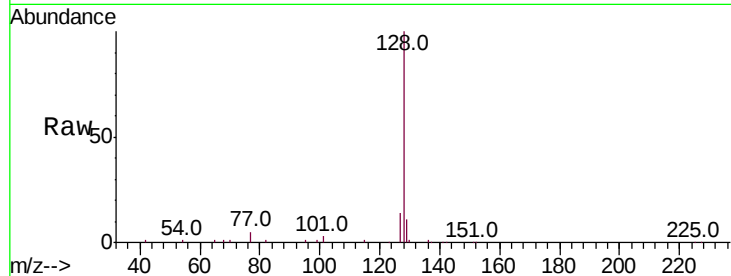
Tot Ion:128 Resp: 26215

Ion Ratio Lower Upper

128 100

129 11.2 9.1 13.7

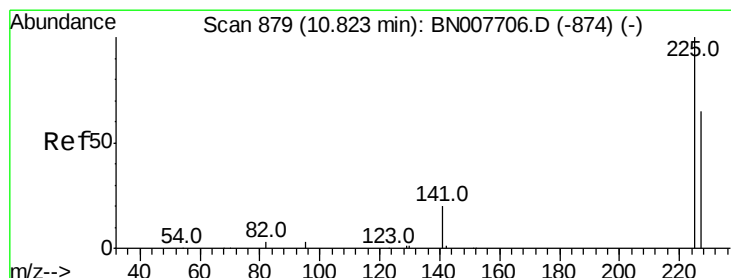
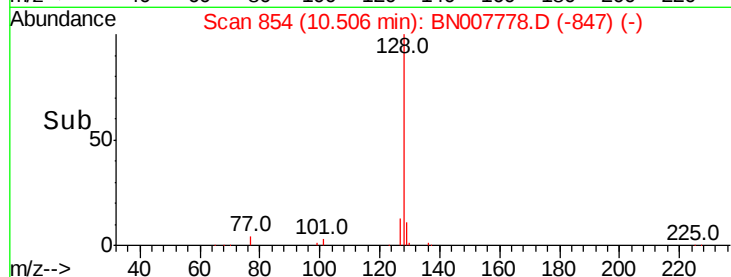
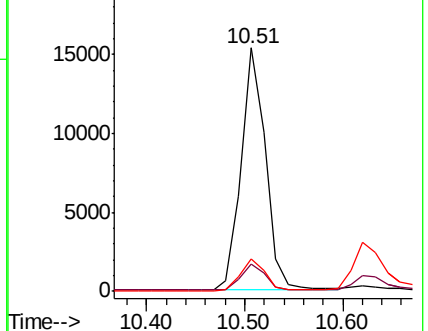
127 13.5 10.6 15.8



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: 0.397 ng

RT: 10.81 min Scan# 878

Delta R.T. -0.01 min

Lab File: BN007778.D

Acq: 21 Sep 2019 00:43

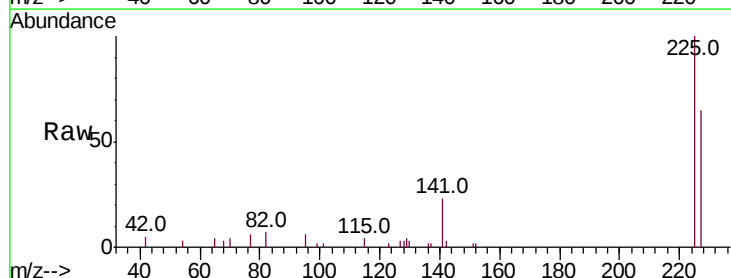
Tgt Ion:225 Resp: 5423

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

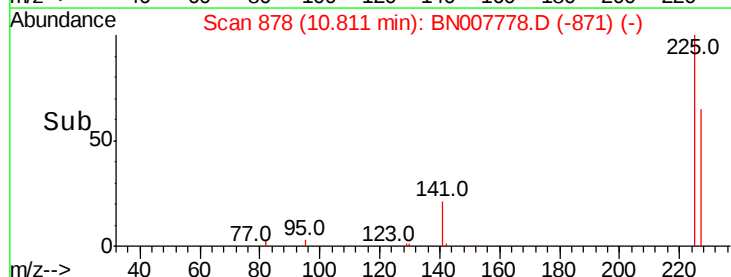
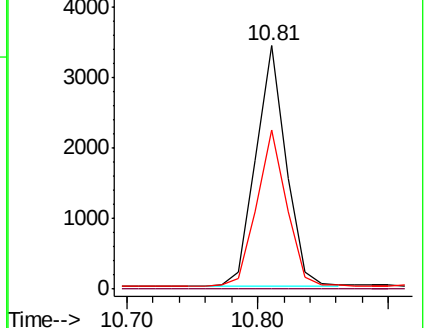
227 63.9 51.2 76.8

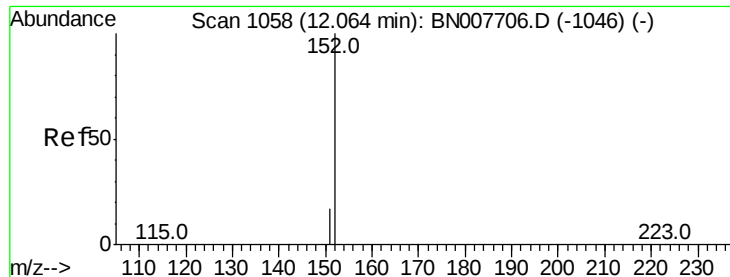


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

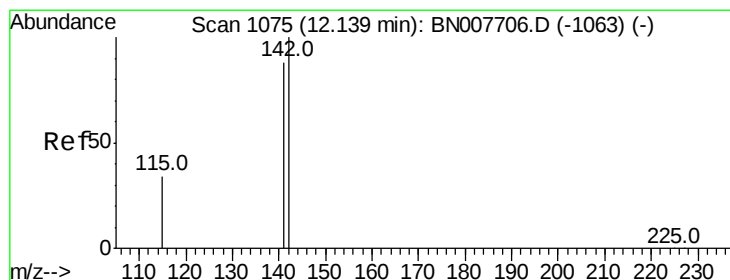
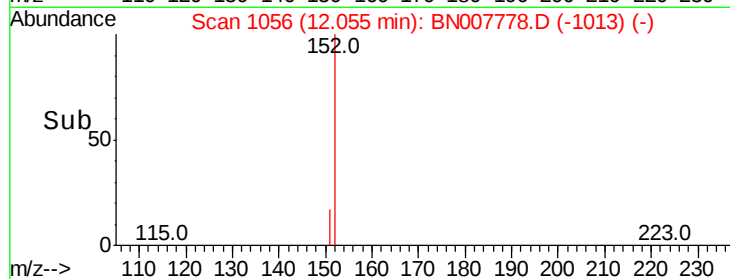
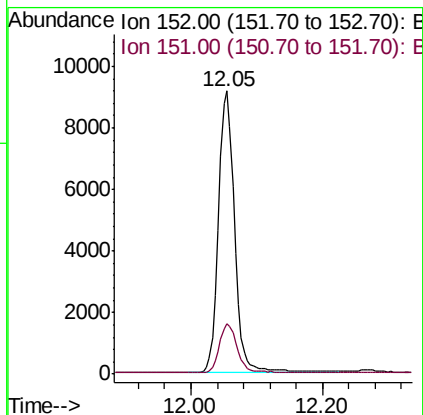
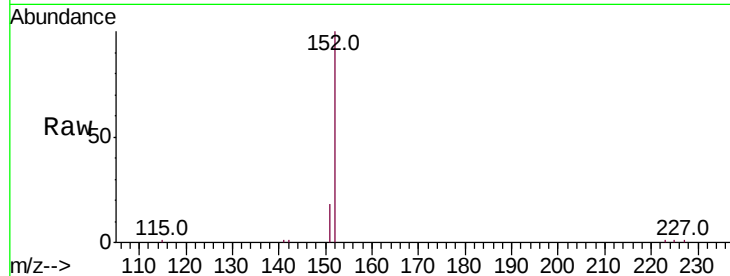




#11
 2-Methylnaphthalene-d10
 Concen: 0.398 ng
 RT: 12.05 min Scan# 1056
 Delta R.T. -0.01 min
 Lab File: BN007778.D
 Acq: 21 Sep 2019 00:43

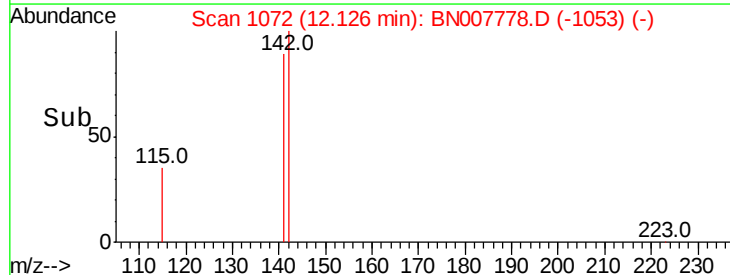
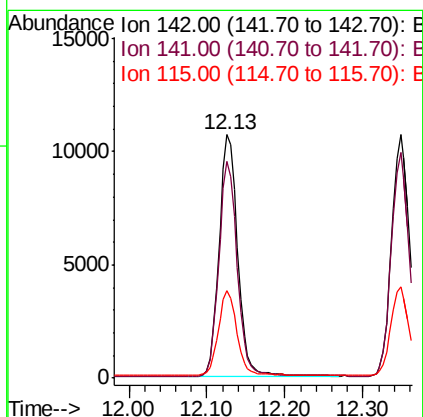
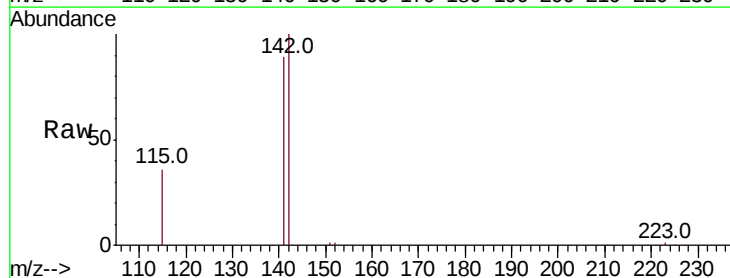
Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

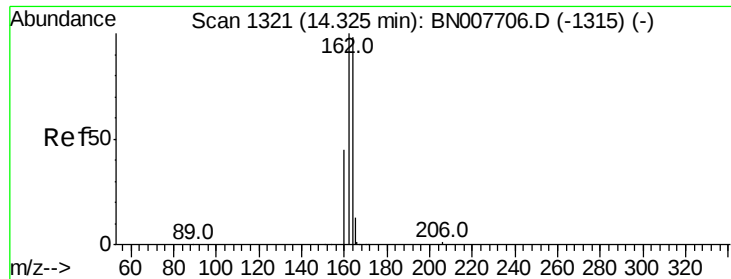
Tot Ion:152 Resp: 15506
 Ion Ratio Lower Upper
 152 100
 151 19.0 15.4 23.2



#12
 2-Methylnaphthalene
 Concen: 0.404 ng
 RT: 12.13 min Scan# 1072
 Delta R.T. -0.01 min
 Lab File: BN007778.D
 Acq: 21 Sep 2019 00:43

Tgt Ion:142 Resp: 17688
 Ion Ratio Lower Upper
 142 100
 141 89.3 70.6 106.0
 115 36.2 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: BN007778.D

Acq: 21 Sep 2019 00:43

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

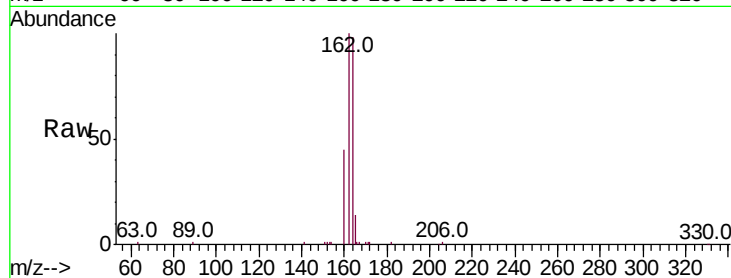
Tot Ion:164 Resp: 14313

Ion Ratio Lower Upper

164 100

162 101.9 81.7 122.5

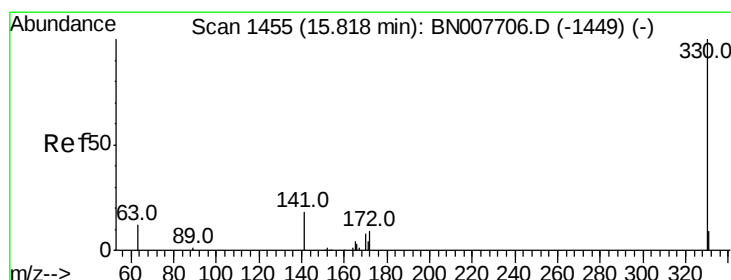
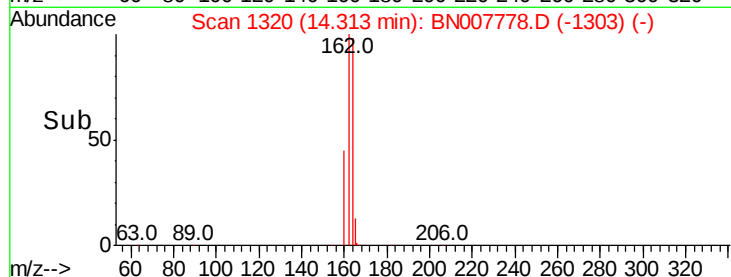
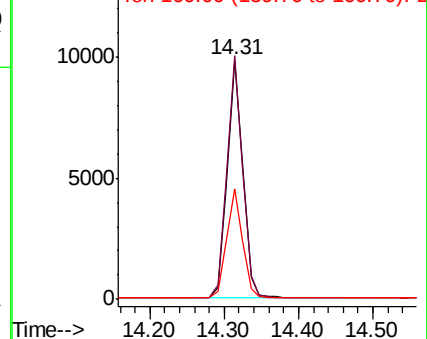
160 46.3 37.0 55.4



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: 0.272 ng

RT: 15.81 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BN007778.D

Acq: 21 Sep 2019 00:43

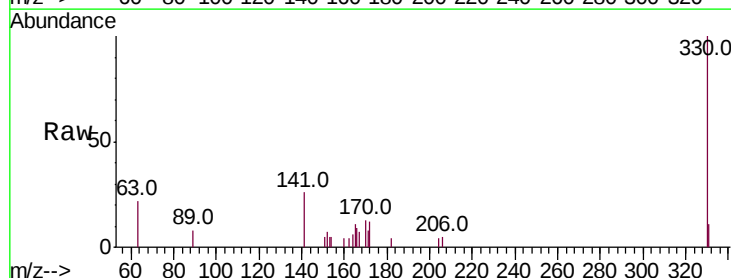
Tgt Ion:330 Resp: 2117

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

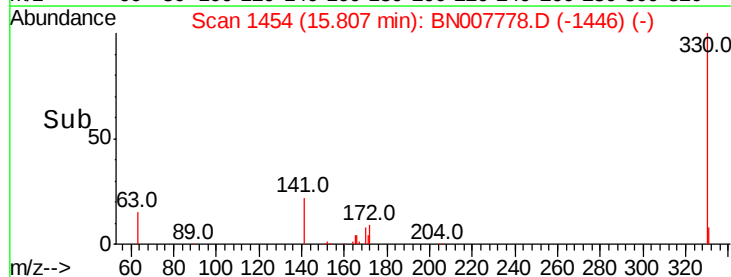
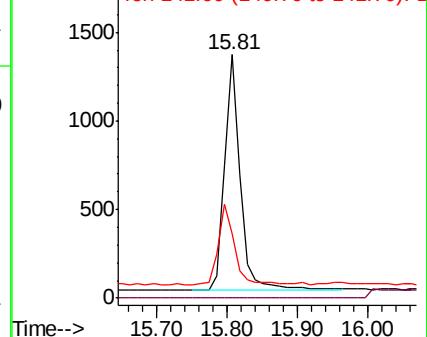
141 33.5 28.7 43.1



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

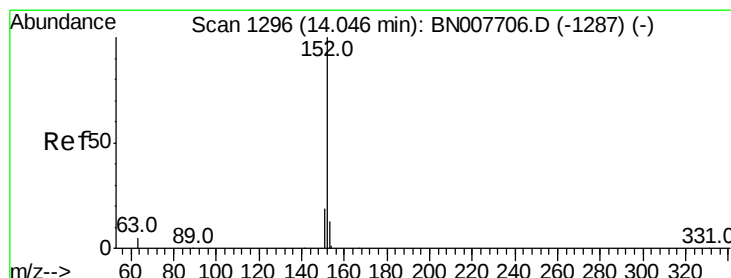
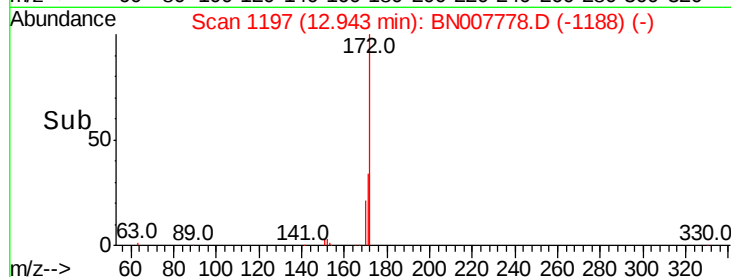
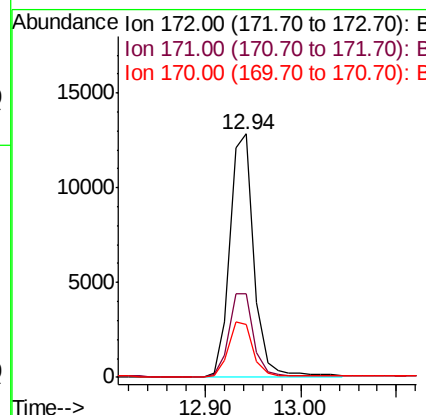
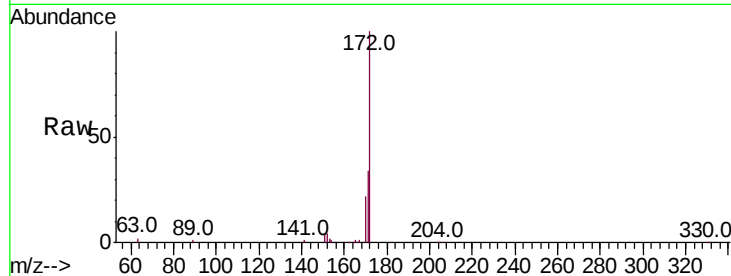




#15
2-Fluorobiphenyl
Concen: 0.380 ng
RT: 12.94 min Scan# 1197
Delta R.T. -0.00 min
Lab File: BN007778.D
Acq: 21 Sep 2019 00:43

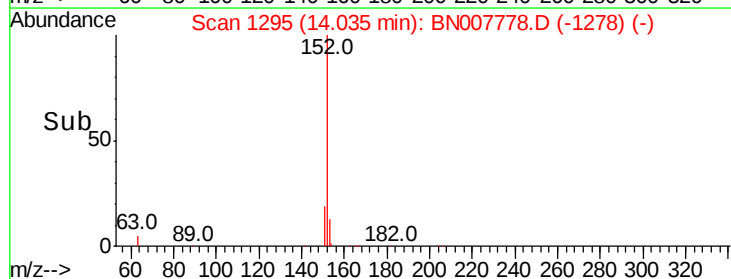
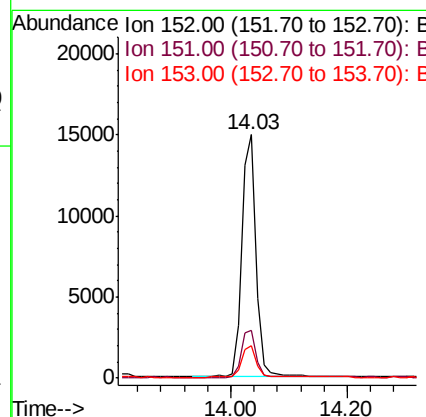
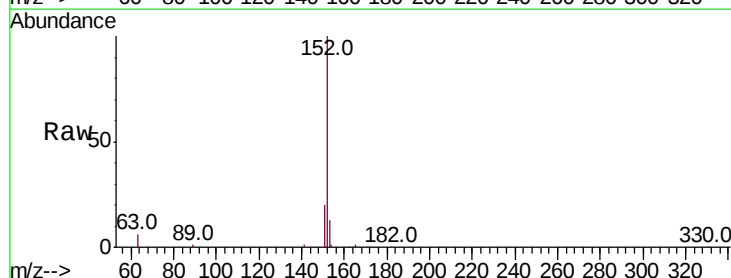
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

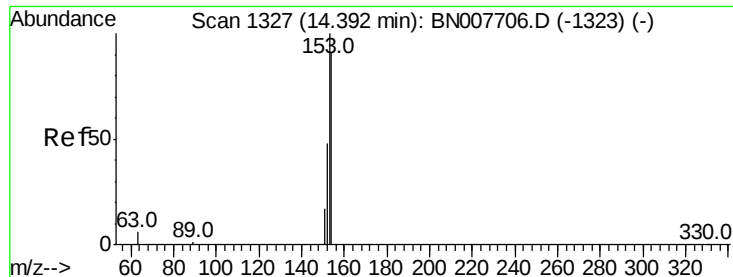
Tot Ion:172 Resp: 22404
Ion Ratio Lower Upper
172 100
171 34.3 28.8 43.2
170 21.8 19.5 29.3



#16
Acenaphthylene
Concen: 0.339 ng
RT: 14.03 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BN007778.D
Acq: 21 Sep 2019 00:43

Tgt Ion:152 Resp: 25746
Ion Ratio Lower Upper
152 100
151 19.7 15.5 23.3
153 13.0 10.4 15.6





#17

Acenaphthene

Concen: 0.361 ng

RT: 14.38 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BN007778.D

Acq: 21 Sep 2019 00:43

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

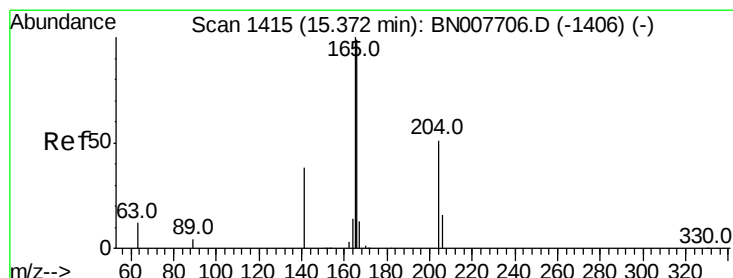
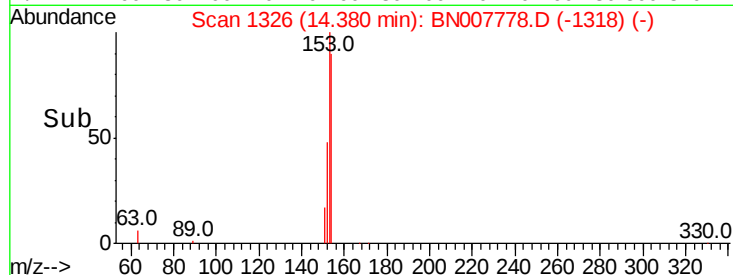
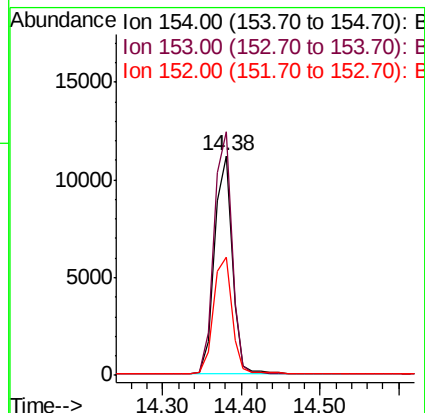
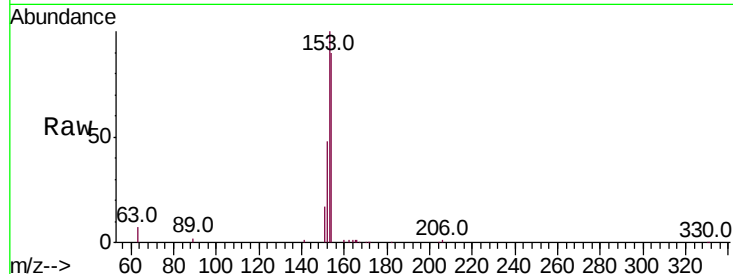
Tot Ion:154 Resp: 17655

Ion Ratio Lower Upper

154 100

153 110.9 87.0 130.4

152 55.3 42.7 64.1



#18

Fluorene

Concen: 0.363 ng

RT: 15.36 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BN007778.D

Acq: 21 Sep 2019 00:43

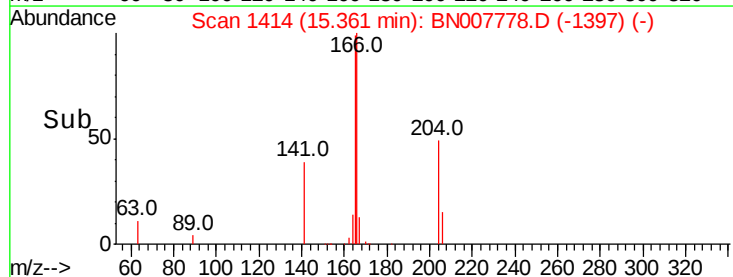
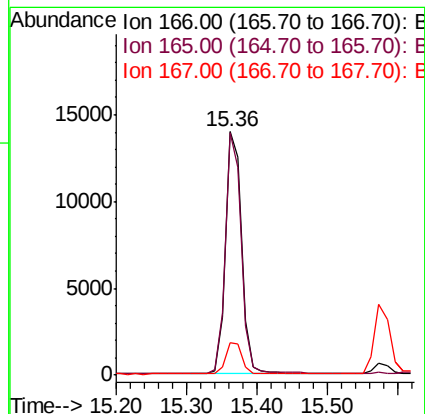
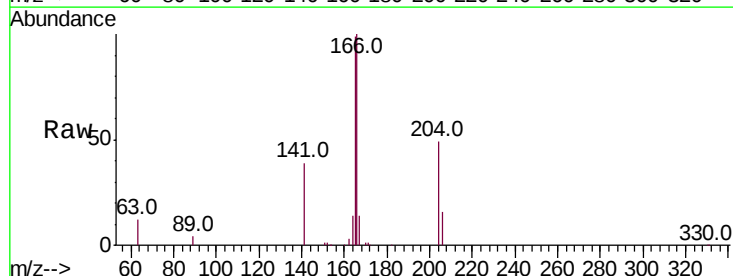
Tgt Ion:166 Resp: 22740

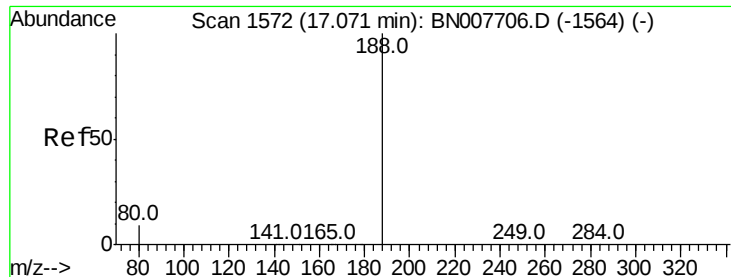
Ion Ratio Lower Upper

166 100

165 97.5 78.0 117.0

167 13.5 10.9 16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.06 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BN007778.D

Acq: 21 Sep 2019 00:43

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

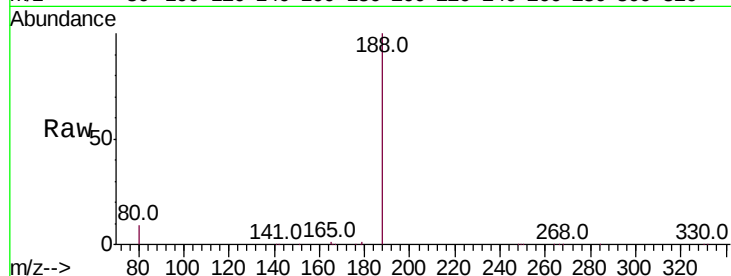
Tot Ion:188 Resp: 31813

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

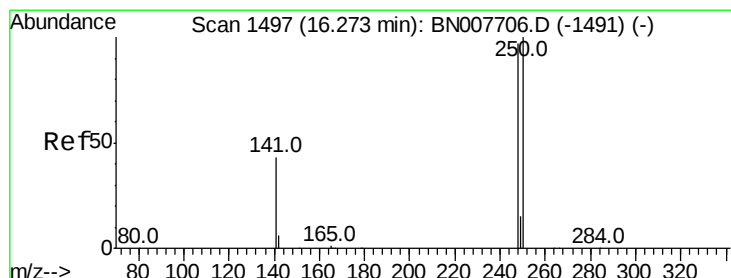
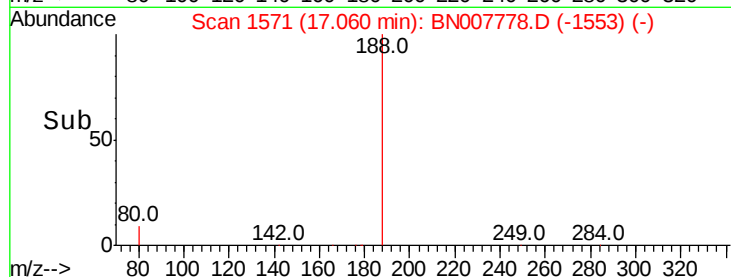
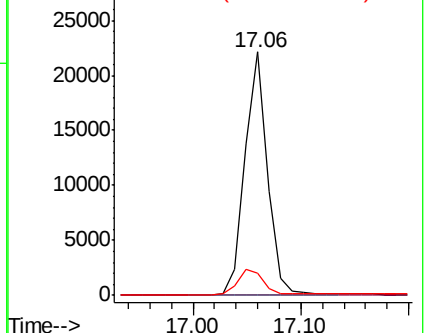
80 9.2 7.4 11.2



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: 0.398 ng

RT: 16.26 min Scan# 1496

Delta R.T. -0.01 min

Lab File: BN007778.D

Acq: 21 Sep 2019 00:43

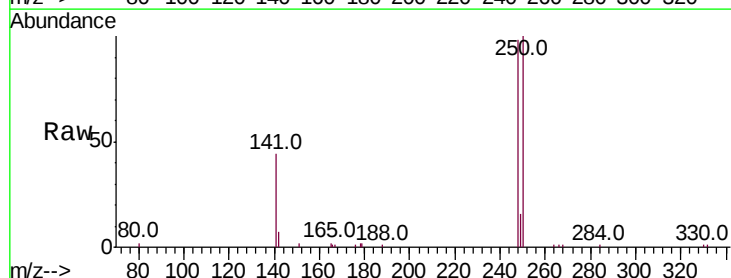
Tgt Ion:248 Resp: 7681

Ion Ratio Lower Upper

248 100

250 102.5 82.2 123.4

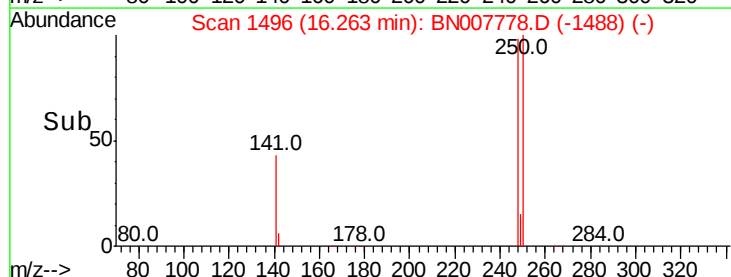
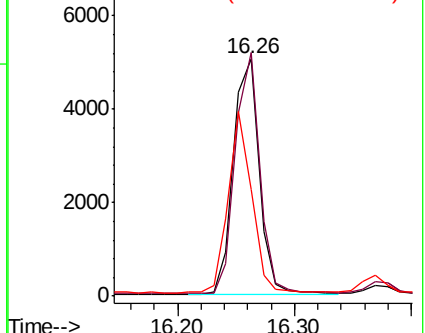
141 44.9 36.3 54.5

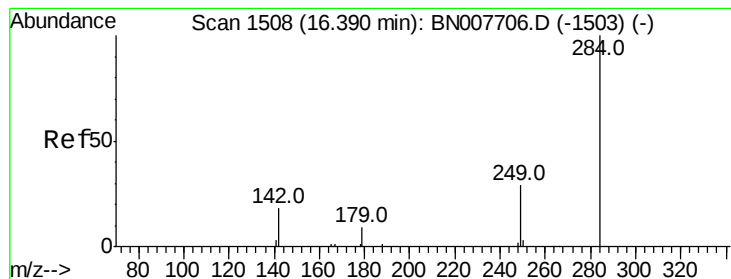


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.415 ng

RT: 16.38 min Scan# 1507

Delta R.T. -0.01 min

Lab File: BN007778.D

Acq: 21 Sep 2019 00:43

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

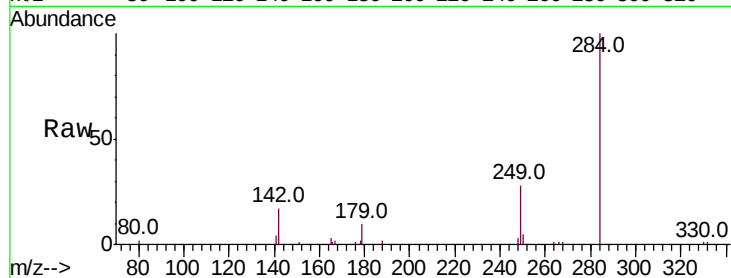
Tot Ion:284 Resp: 8760

Ion Ratio Lower Upper

284 100

142 33.4 25.8 38.6

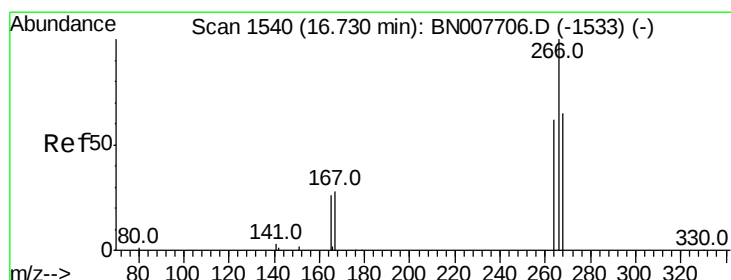
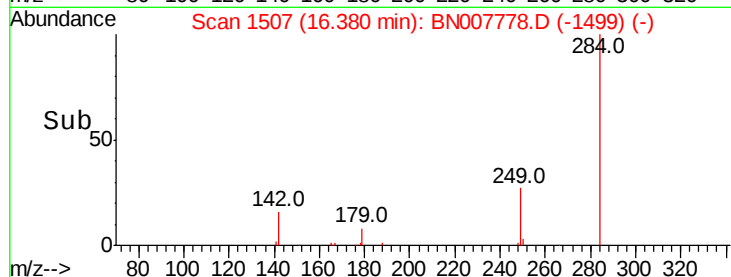
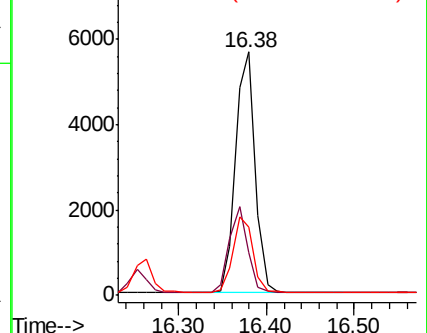
249 31.3 25.9 38.9



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.285 ng

RT: 16.72 min Scan# 1539

Delta R.T. -0.01 min

Lab File: BN007778.D

Acq: 21 Sep 2019 00:43

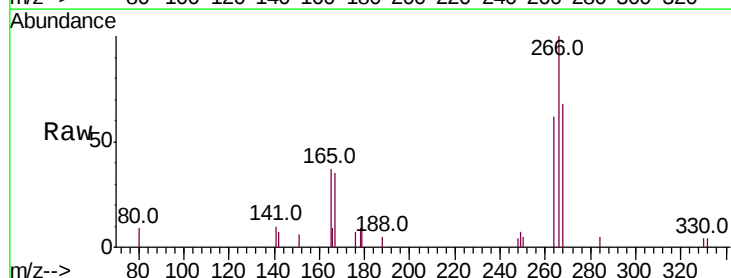
Tgt Ion:266 Resp: 2217

Ion Ratio Lower Upper

266 100

264 62.1 50.0 75.0

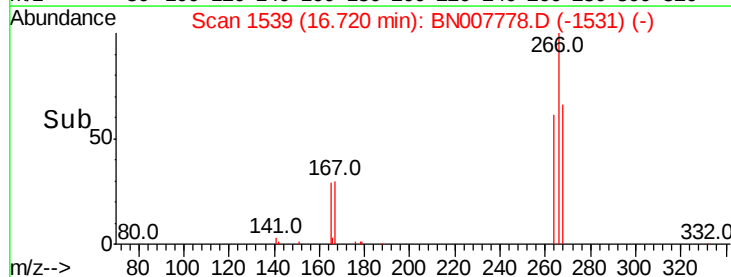
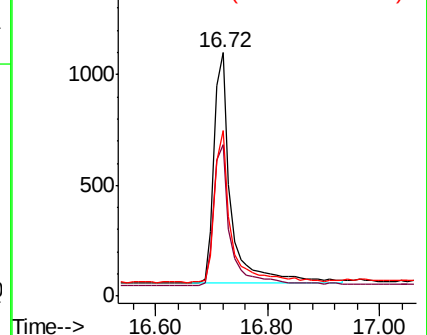
268 68.0 54.2 81.4

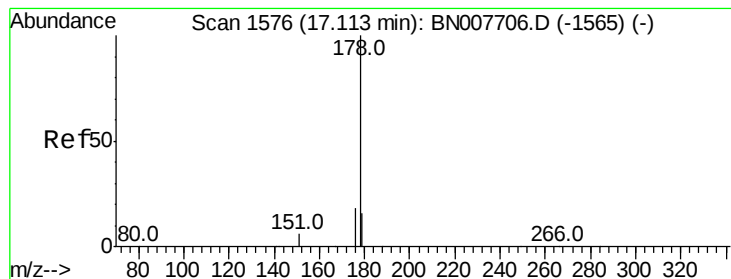


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.401 ng

RT: 17.10 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BN007778.D

Acq: 21 Sep 2019 00:43

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

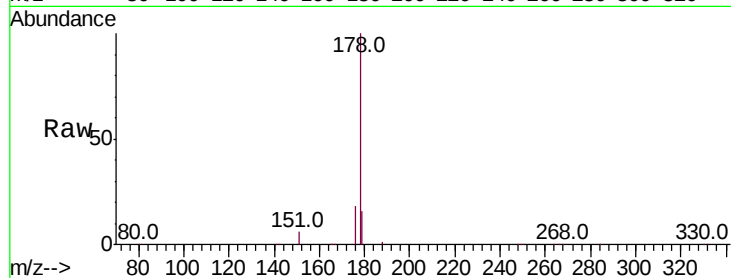
Tot Ion:178 Resp: 39730

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

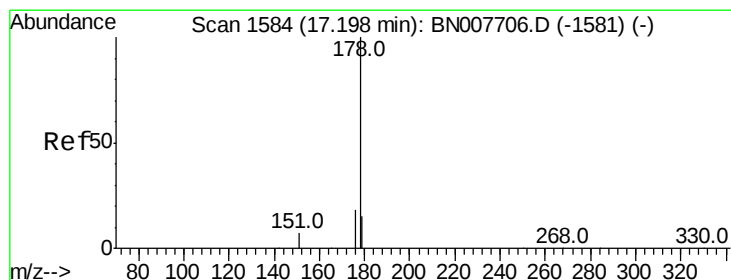
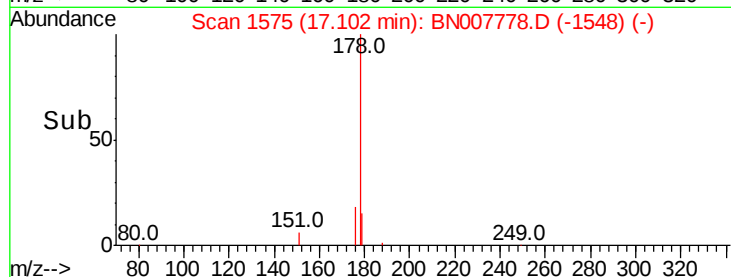
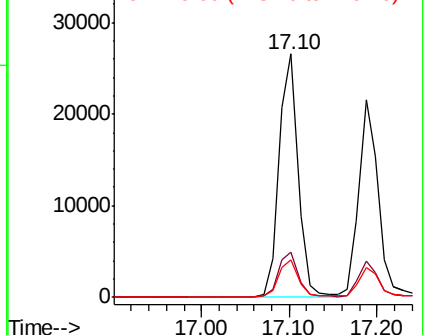
179 15.4 12.5 18.7



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: 0.371 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BN007778.D

Acq: 21 Sep 2019 00:43

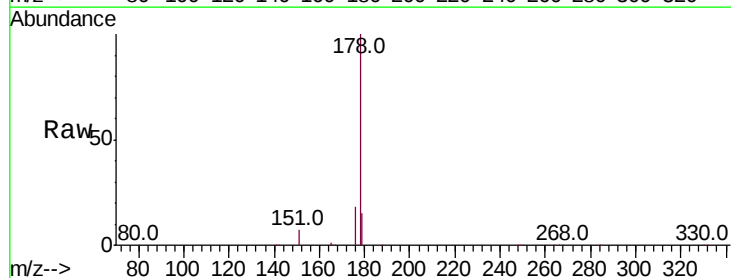
Tgt Ion:178 Resp: 33233

Ion Ratio Lower Upper

178 100

176 17.9 14.6 21.8

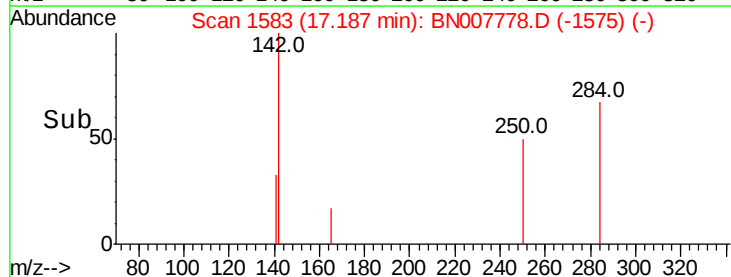
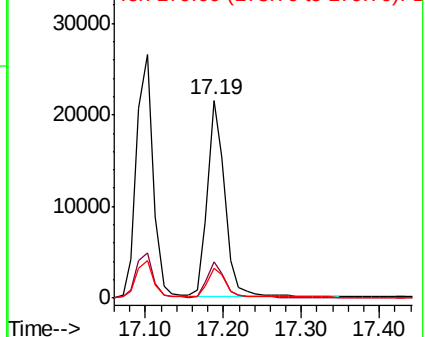
179 15.5 12.2 18.4

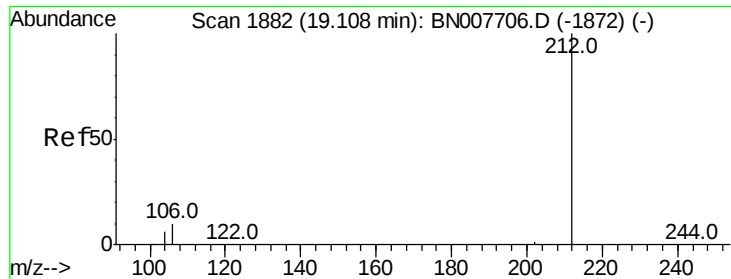


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

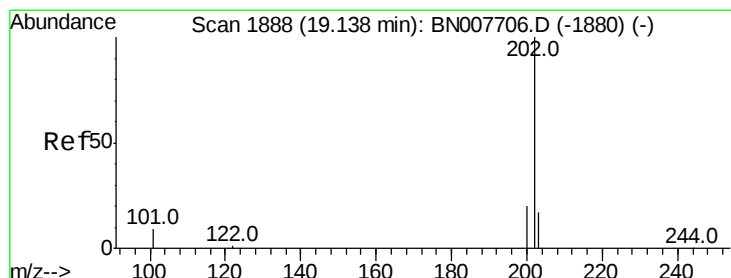
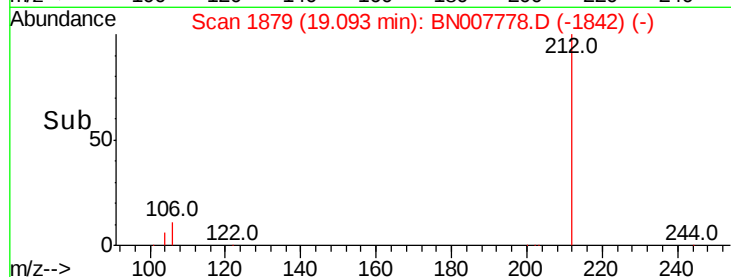
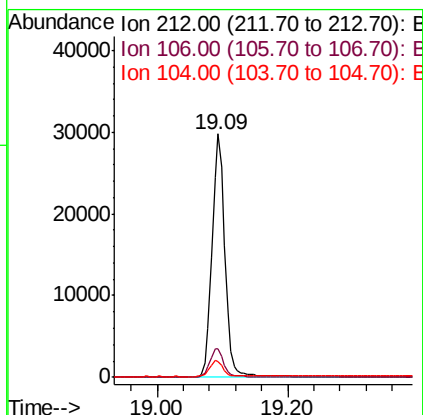
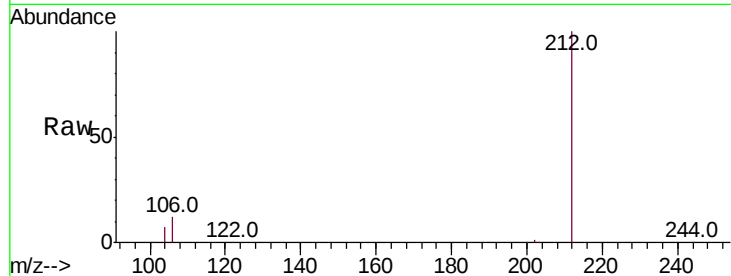




#25
 Fluoranthene-d10
 Concen: 0.376 ng
 RT: 19.09 min Scan# 1879
 Delta R.T. -0.02 min
 Lab File: BN007778.D
 Acq: 21 Sep 2019 00:43

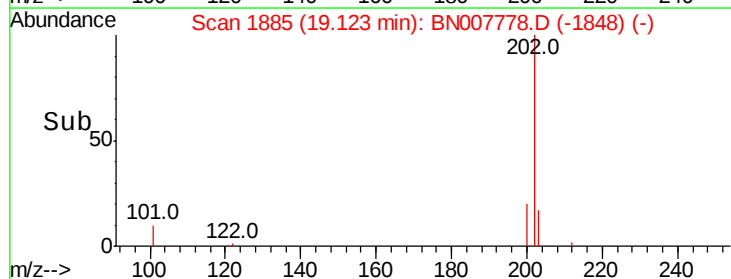
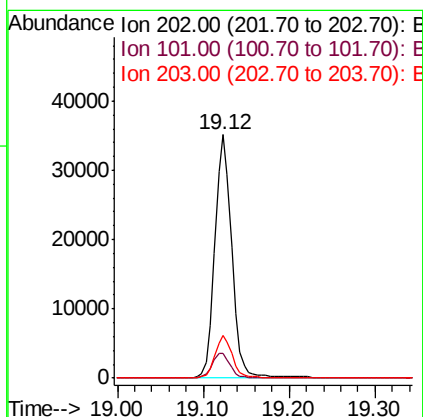
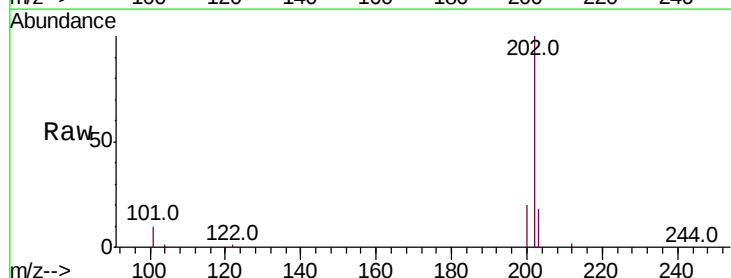
Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

Tot Ion:212 Resp: 40366
 Ion Ratio Lower Upper
 212 100
 106 11.8 9.4 14.0
 104 6.7 5.3 7.9



#26
 Fluoranthene
 Concen: 0.385 ng
 RT: 19.12 min Scan# 1885
 Delta R.T. -0.02 min
 Lab File: BN007778.D
 Acq: 21 Sep 2019 00:43

Tgt Ion:202 Resp: 47485
 Ion Ratio Lower Upper
 202 100
 101 10.6 8.4 12.6
 203 17.3 13.8 20.8





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.25 min Scan# 2180

Delta R.T. -0.02 min

Lab File: BN007778.D

Acq: 21 Sep 2019 00:43

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

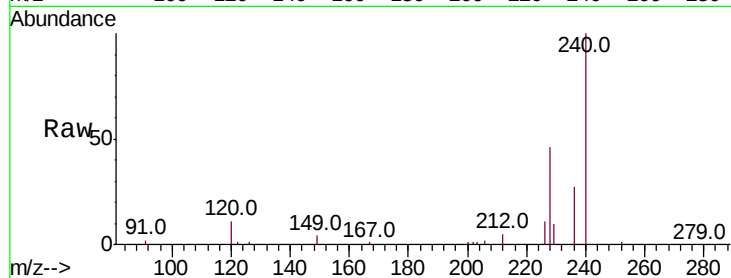
Tot Ion:240 Resp: 35959

Ion Ratio Lower Upper

240 100

120 10.8 5.4 8.2#

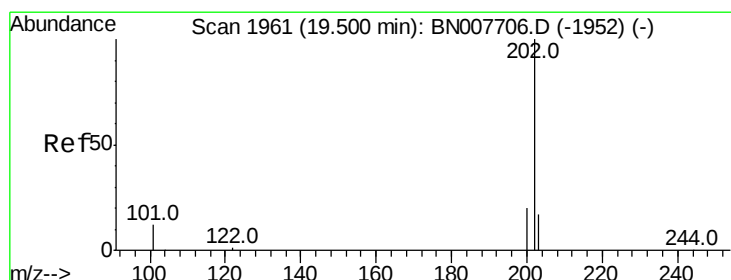
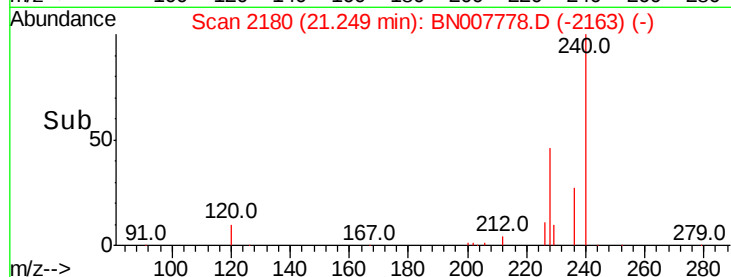
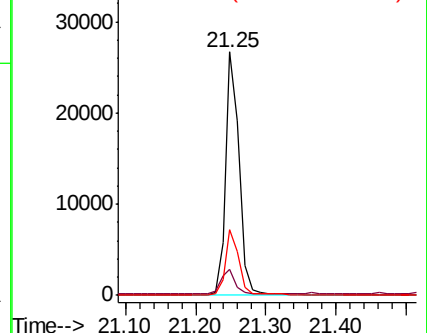
236 26.9 21.0 31.4



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: 0.389 ng

RT: 19.49 min Scan# 1958

Delta R.T. -0.02 min

Lab File: BN007778.D

Acq: 21 Sep 2019 00:43

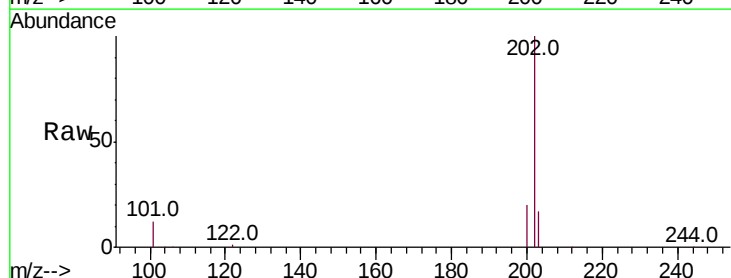
Tgt Ion:202 Resp: 47766

Ion Ratio Lower Upper

202 100

200 20.3 16.4 24.6

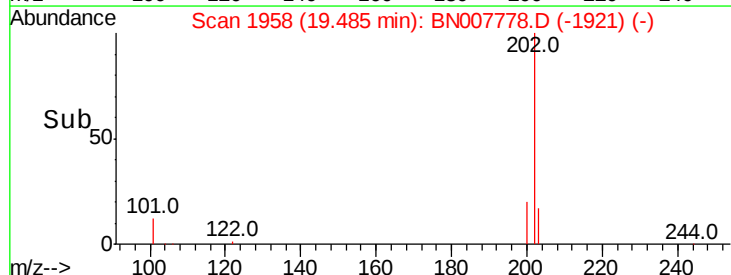
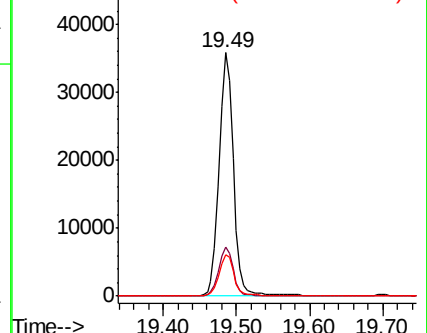
203 17.4 14.1 21.1

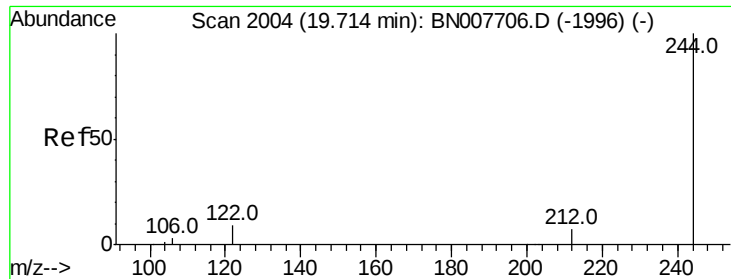


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.390 ng

RT: 19.70 min Scan# 2001

Delta R.T. -0.02 min

Lab File: BN007778.D

Acq: 21 Sep 2019 00:43

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

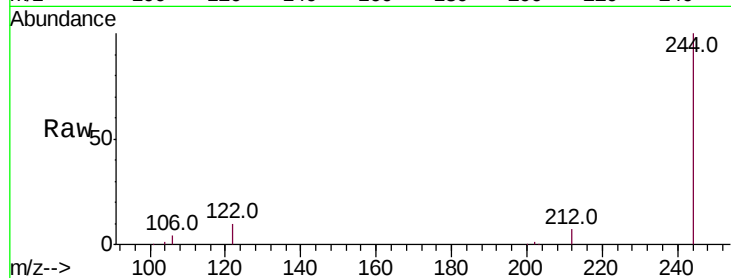
Tot Ion:244 Resp: 34461

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

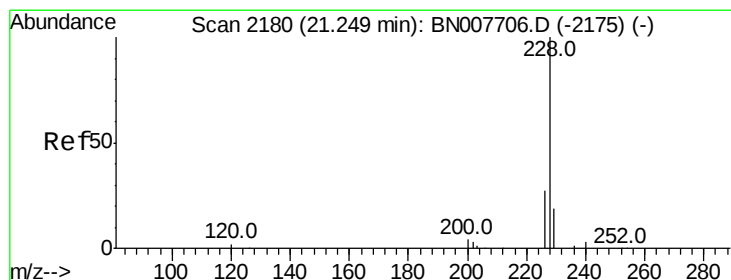
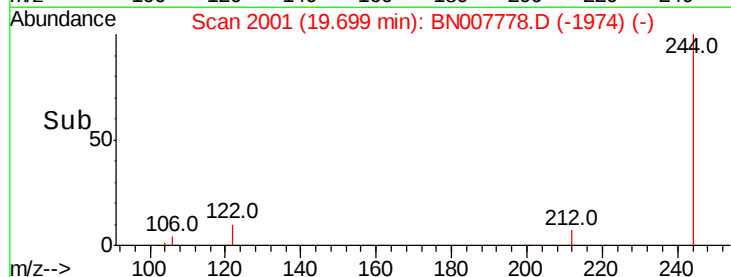
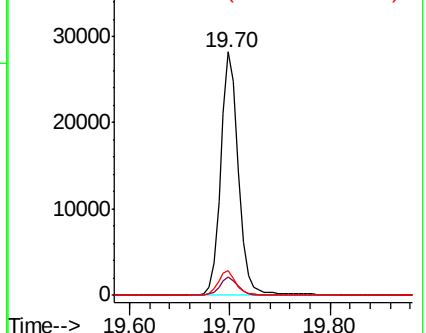
122 10.1 7.4 11.2



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: 0.356 ng

RT: 21.24 min Scan# 2179

Delta R.T. -0.01 min

Lab File: BN007778.D

Acq: 21 Sep 2019 00:43

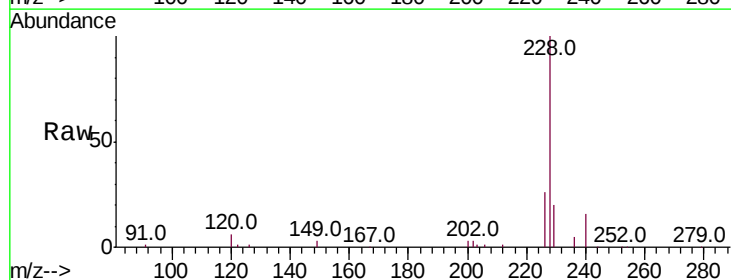
Tgt Ion:228 Resp: 47181

Ion Ratio Lower Upper

228 100

226 26.1 22.1 33.1

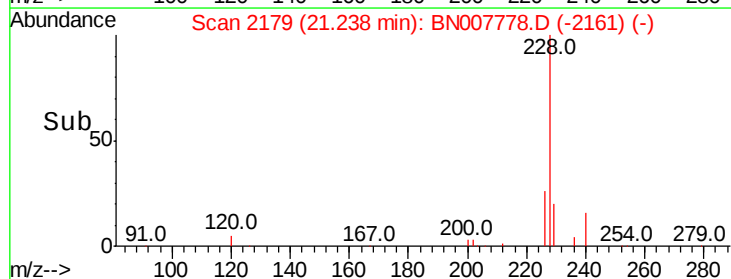
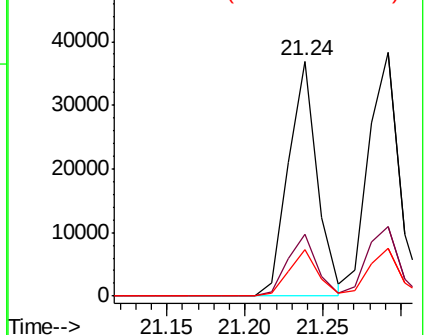
229 19.9 15.8 23.6

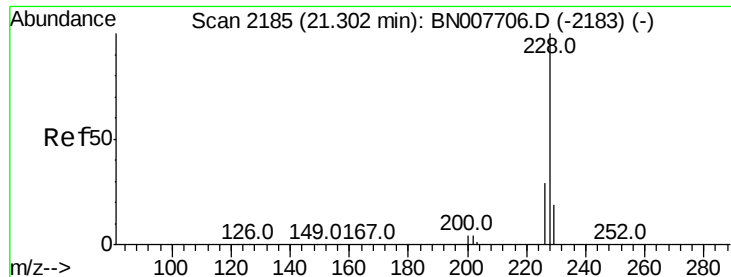


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.401 ng

RT: 21.29 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BN007778.D

Acq: 21 Sep 2019 00:43

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

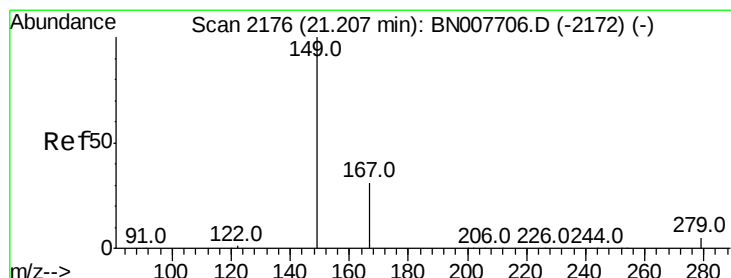
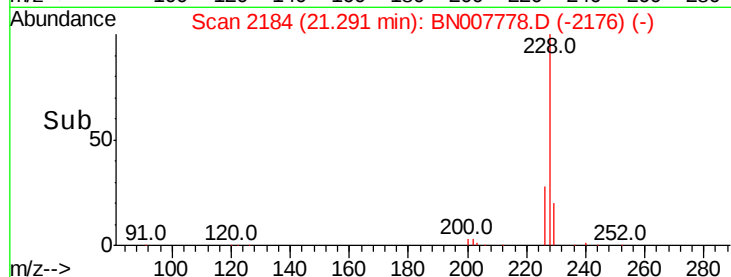
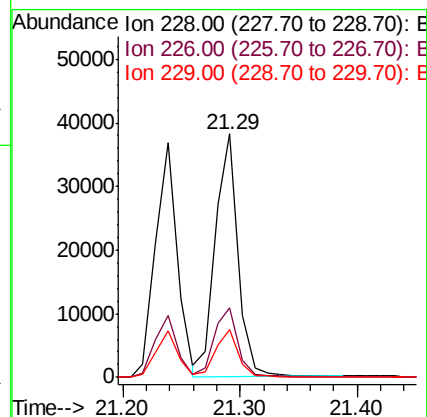
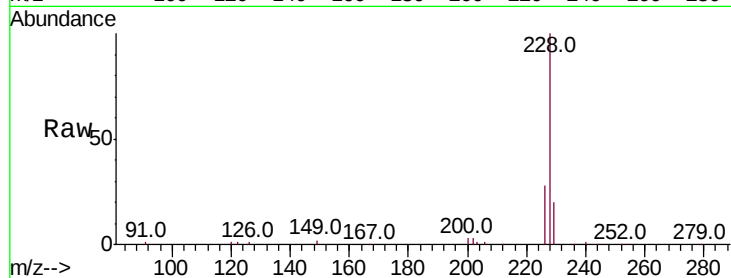
Tot Ion:228 Resp: 51801

Ion Ratio Lower Upper

228 100

226 28.4 23.9 35.9

229 19.8 15.8 23.6



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.269 ng

RT: 21.19 min Scan# 2174

Delta R.T. -0.02 min

Lab File: BN007778.D

Acq: 21 Sep 2019 00:43

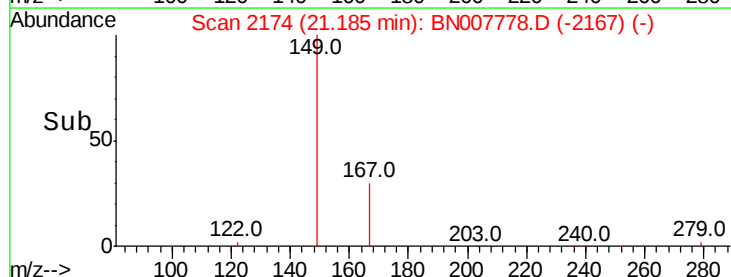
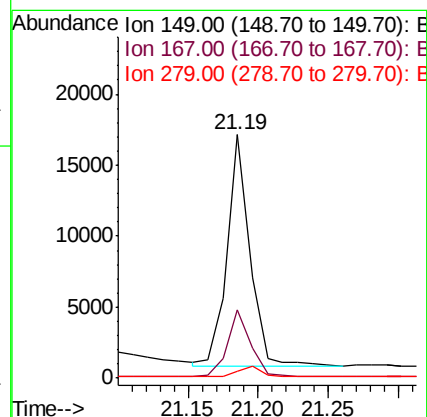
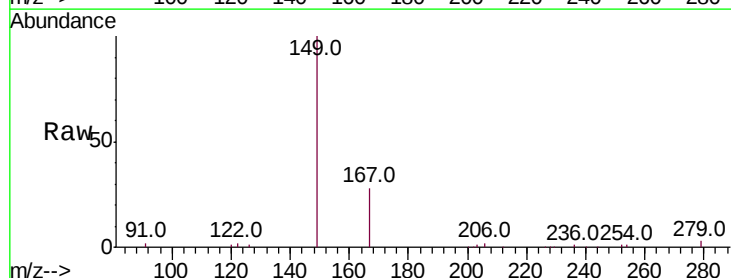
Tgt Ion:149 Resp: 18344

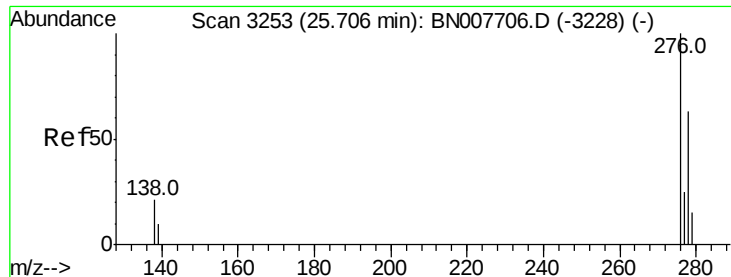
Ion Ratio Lower Upper

149 100

167 28.7 23.7 35.5

279 5.0 4.2 6.2

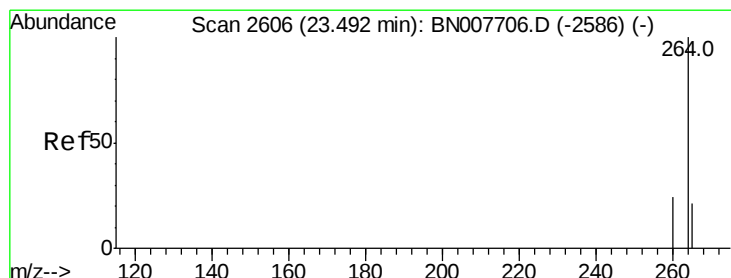
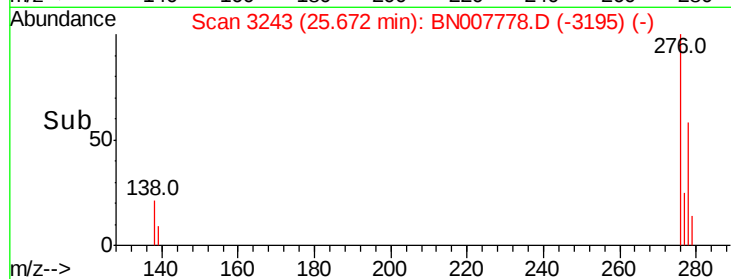
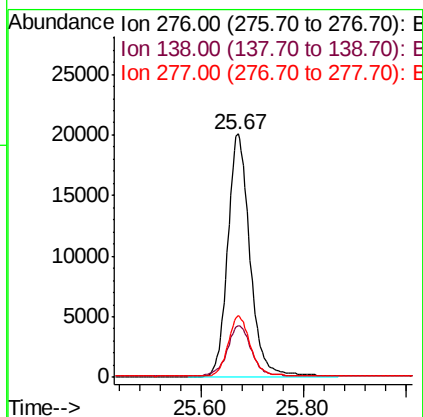
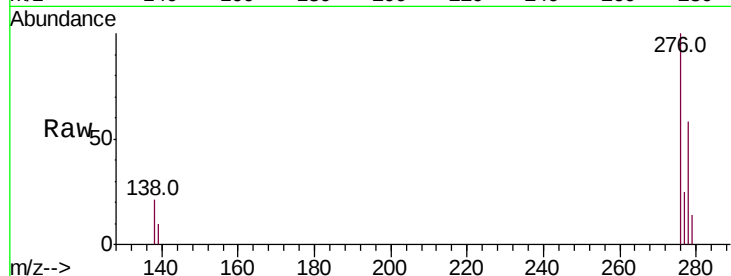




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.372 ng
 RT: 25.67 min Scan# 3243
 Delta R.T. -0.03 min
 Lab File: BN007778.D
 Acq: 21 Sep 2019 00:43

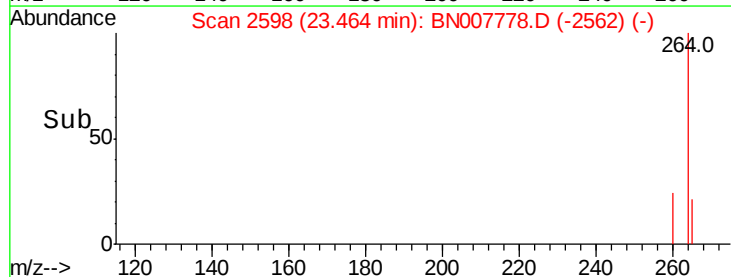
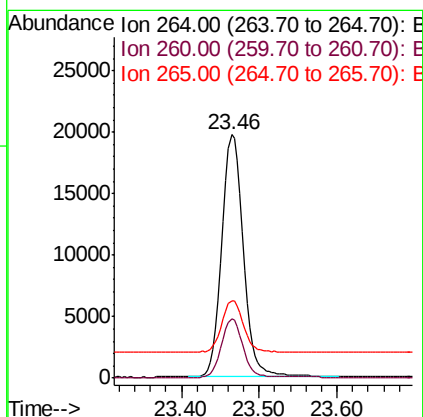
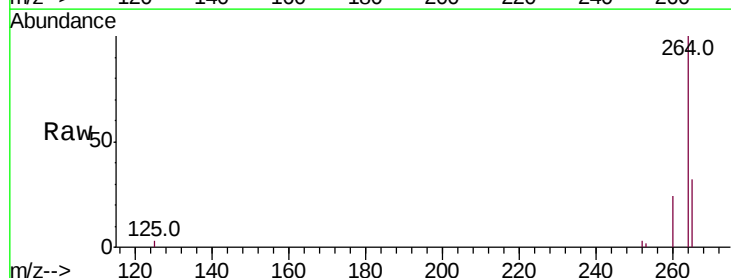
Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

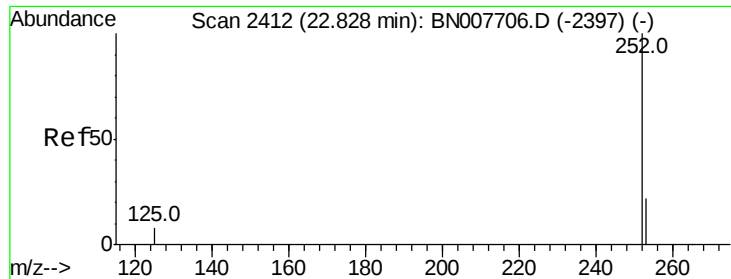
Tot Ion:276 Resp: 60125
 Ion Ratio Lower Upper
 276 100
 138 23.0 17.1 25.7
 277 25.0 20.0 30.0



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.46 min Scan# 2598
 Delta R.T. -0.03 min
 Lab File: BN007778.D
 Acq: 21 Sep 2019 00:43

Tgt Ion:264 Resp: 37982
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.3 28.9
 265 31.7 26.9 40.3





#35

Benzo(b)fluoranthene

Concen: 0.377 ng

RT: 22.80 min Scan# 2405

Delta R.T. -0.02 min

Lab File: BN007778.D

Acq: 21 Sep 2019 00:43

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

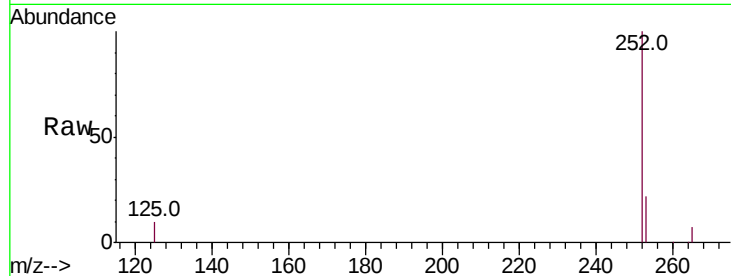
Tot Ion:252 Resp: 49726

Ion Ratio Lower Upper

252 100

253 22.4 18.3 27.5

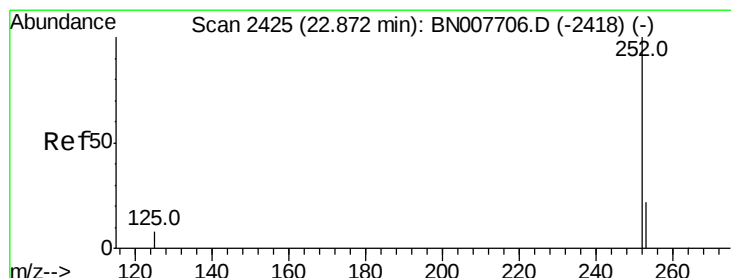
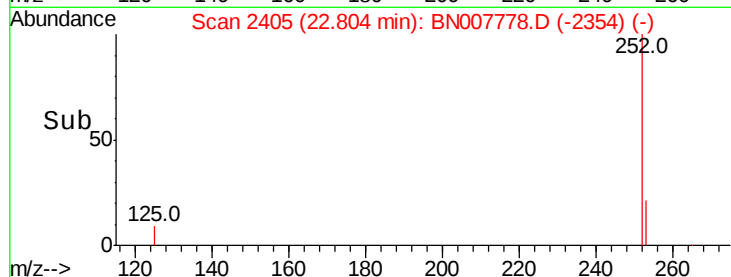
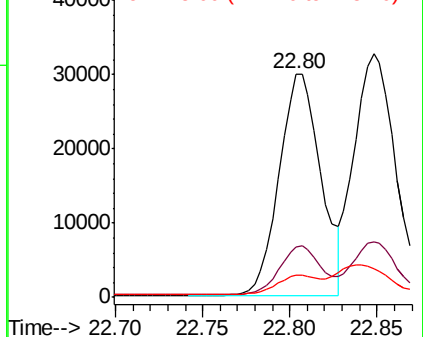
125 10.2 8.2 12.4



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: 0.422 ng

RT: 22.85 min Scan# 2418

Delta R.T. -0.02 min

Lab File: BN007778.D

Acq: 21 Sep 2019 00:43

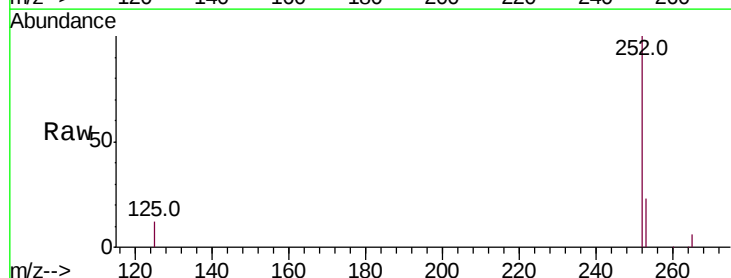
Tgt Ion:252 Resp: 55047

Ion Ratio Lower Upper

252 100

253 22.9 18.5 27.7

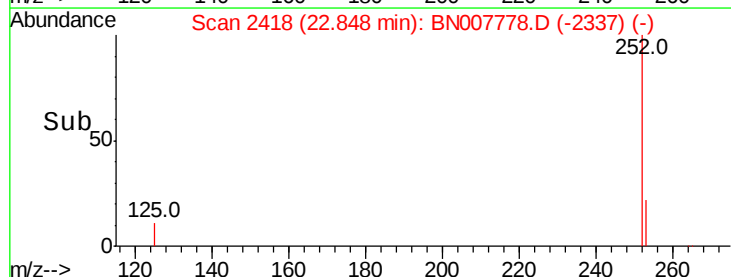
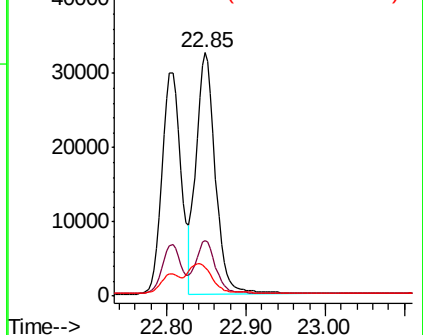
125 11.8 8.4 12.6

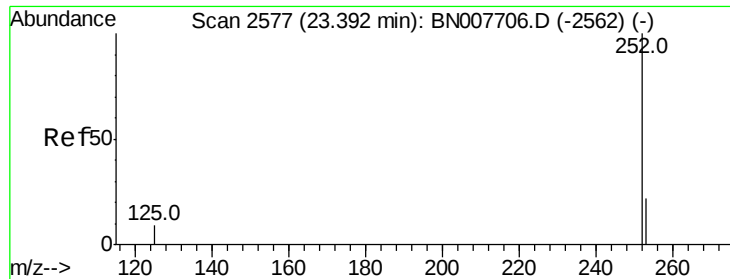


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.374 ng

RT: 23.37 min Scan# 2570

Delta R.T. -0.02 min

Lab File: BN007778.D

Acq: 21 Sep 2019 00:43

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

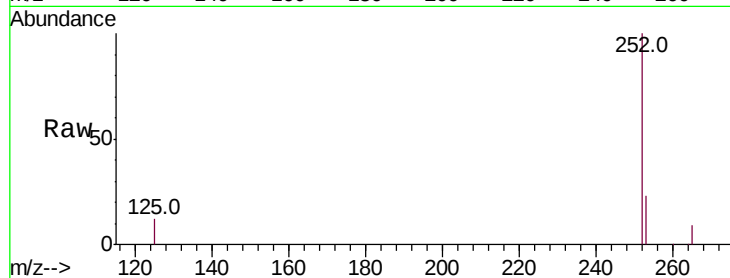
Tot Ion:252 Resp: 46290

Ion Ratio Lower Upper

252 100

253 23.2 18.6 27.8

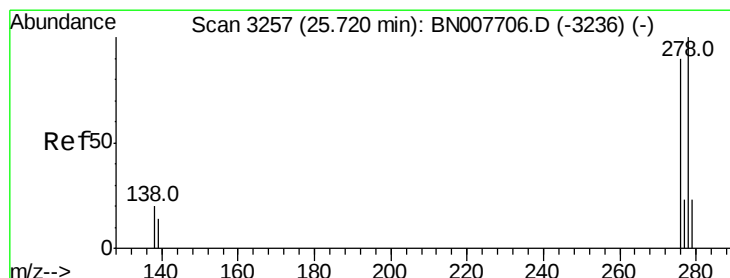
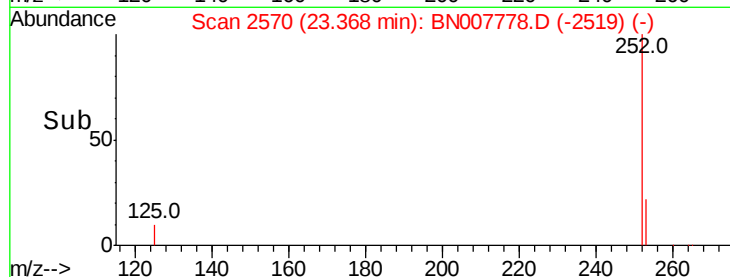
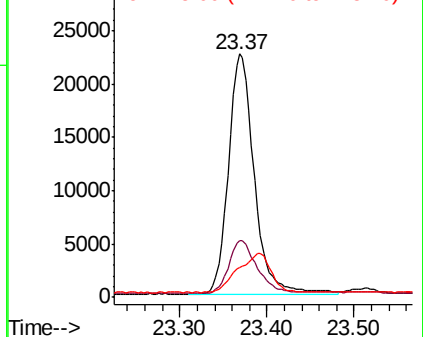
125 12.2 9.4 14.0



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: 0.381 ng

RT: 25.69 min Scan# 3247

Delta R.T. -0.03 min

Lab File: BN007778.D

Acq: 21 Sep 2019 00:43

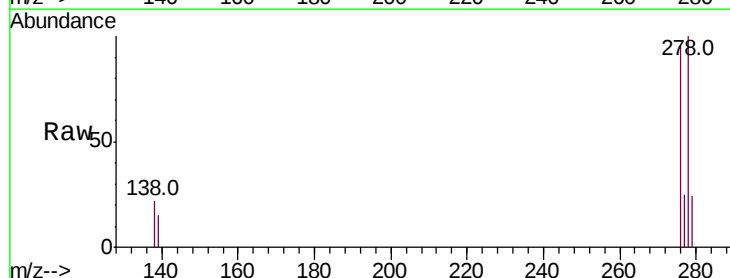
Tgt Ion:278 Resp: 48278

Ion Ratio Lower Upper

278 100

139 14.8 11.8 17.6

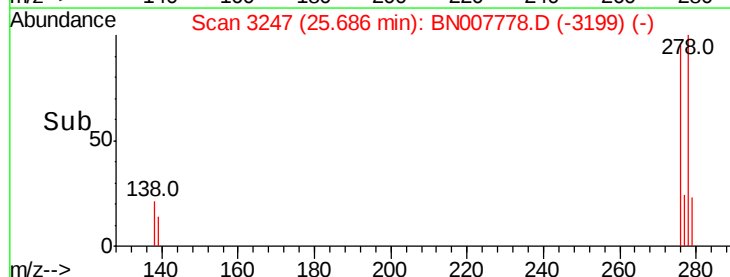
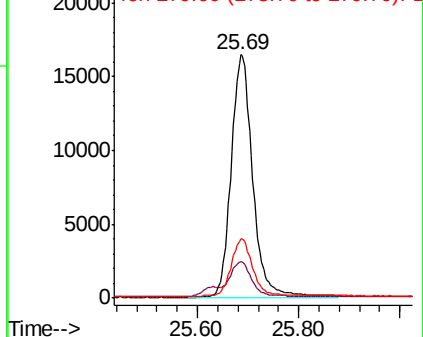
279 24.1 19.4 29.2

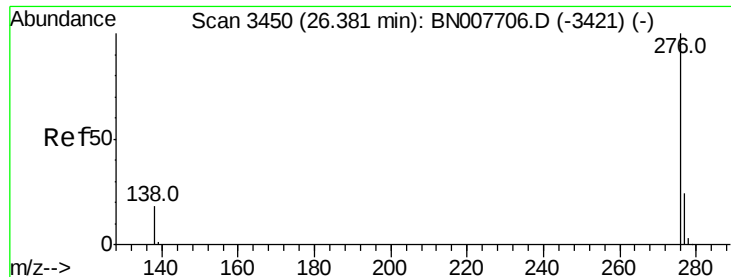


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.370 ng

RT: 26.34 min Scan# 3439

Delta R.T. -0.04 min

Lab File: BN007778.D

Acq: 21 Sep 2019 00:43

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

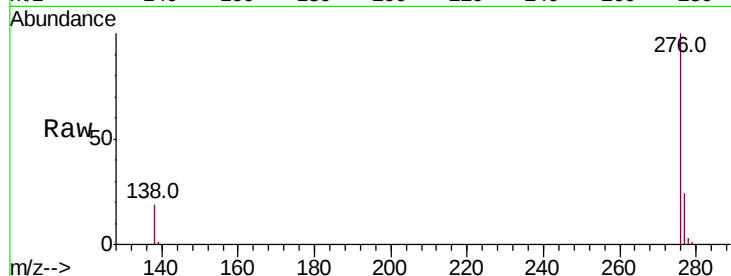
Tot Ion:276 Resp: 46387

Ion Ratio Lower Upper

276 100

277 24.1 19.8 29.8

138 19.5 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

