

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091919\
 Data File : BN007758.D
 Acq On : 20 Sep 2019 01:20
 Operator : HP/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 20 01:56:58 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	7.70	152	5836	0.40	ng	0.00
7) Naphthalene-d8	10.47	136	24807	0.40	ng	0.00
13) Acenaphthene-d10	14.32	164	16318	0.40	ng	0.00
19) Phenanthrene-d10	17.07	188	36748	0.40	ng	0.00
27) Chrysene-d12	21.26	240	39695	0.40	ng	-0.01
34) Perylene-d12	23.48	264	42520	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.32	112	7552	0.38	ng	0.00
5) Phenol-d6	6.87	99	9980	0.40	ng	0.00
8) Nitrobenzene-d5	8.83	82	8278	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.06	152	16969	0.41	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	3220	0.36	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	24435	0.36	ng	0.00
25) Fluoranthene-d10	19.10	212	49895	0.40	ng	0.00
29) Terphenyl-d14	19.71	244	41621	0.43	ng	0.00

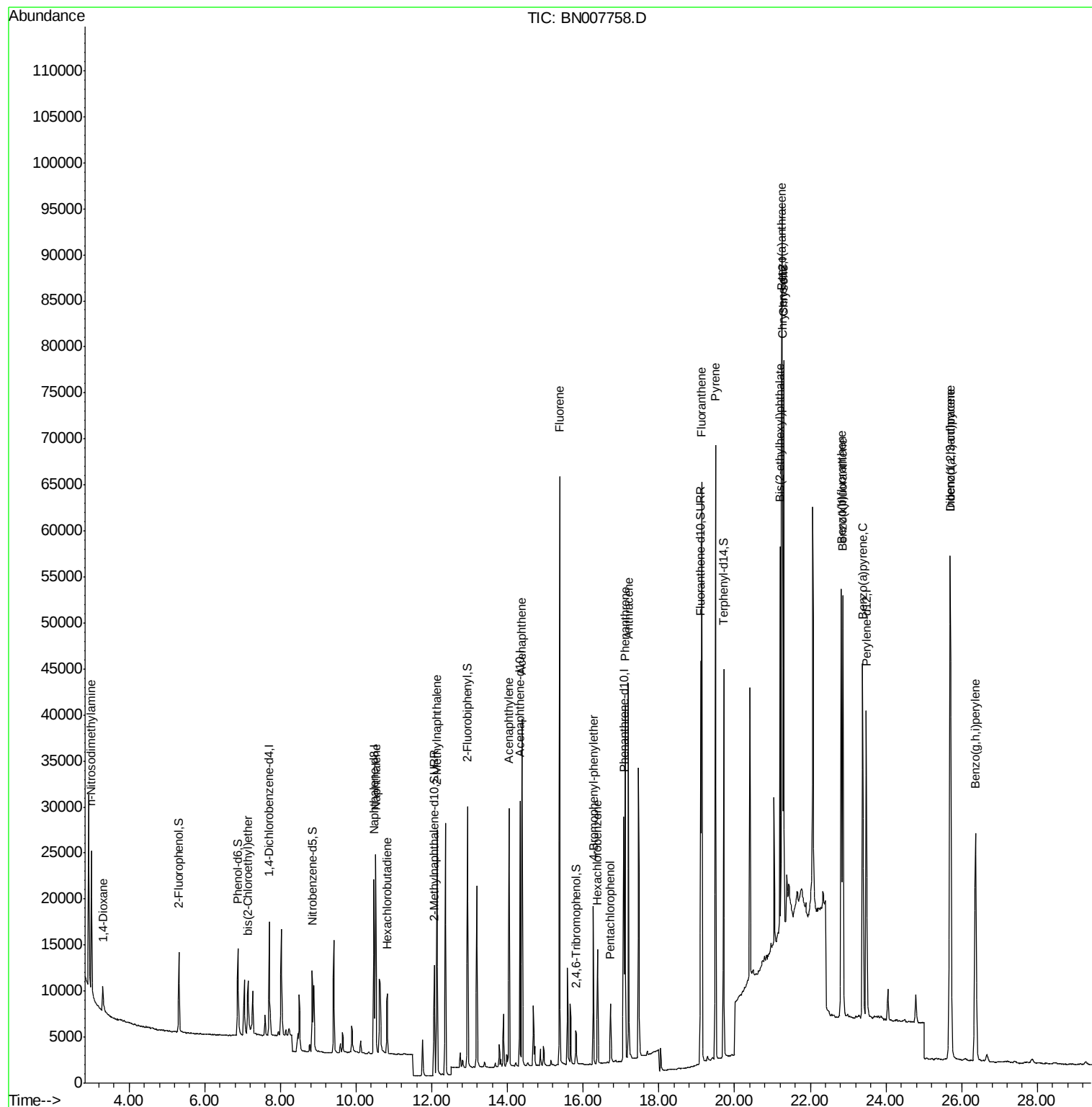
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	2220	0.341	ng	# 82
3) n-Nitrosodimethylamine	3.01	42	1575	0.529	ng	94
6) bis(2-Chloroethyl)ether	7.14	93	6239	0.378	ng	97
9) Naphthalene	10.52	128	27654	0.397	ng	99
10) Hexachlorobutadiene	10.82	225	5925	0.404	ng	# 100
12) 2-Methylnaphthalene	12.13	142	19365	0.412	ng	99
16) Acenaphthylene	14.03	152	31995	0.370	ng	99
17) Acenaphthene	14.38	154	19793	0.355	ng	97
18) Fluorene	15.37	166	26484	0.370	ng	99
20) 4-Bromophenyl-phenylether	16.26	248	8751	0.392	ng	# 76
21) Hexachlorobenzene	16.38	284	9802	0.402	ng	99
22) Pentachlorophenol	16.72	266	3518	0.391	ng	94
23) Phenanthrene	17.10	178	44760	0.391	ng	100
24) Anthracene	17.20	178	42144	0.408	ng	100
26) Fluoranthene	19.13	202	56394	0.396	ng	99
28) Pyrene	19.50	202	58357	0.431	ng	100
30) Benzo(a)anthracene	21.25	228	58905	0.403	ng	98
31) Chrysene	21.30	228	57047	0.400	ng	98
32) Bis(2-ethylhexyl)phthalate	21.20	149	35300	0.470	ng	98
33) Indeno(1,2,3-cd)pyrene	25.69	276	64546	0.362	ng	99
35) Benzo(b)fluoranthene	22.82	252	57188	0.387	ng	# 96
36) Benzo(k)fluoranthene	22.86	252	57657	0.395	ng	# 95
37) Benzo(a)pyrene	23.38	252	54165	0.390	ng	# 95
38) Dibenzo(a,h)anthracene	25.71	278	52558	0.370	ng	98
39) Benzo(g,h,i)perylene	26.37	276	52437	0.373	ng	98

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

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QLast Update : Wed Sep 18 18:24:40 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.70 min Scan# 605

Delta R.T. -0.00 min

Lab File: BN007758.D

Acq: 20 Sep 2019 01:20

Instrument :

BNA_N

ClientSampleId :

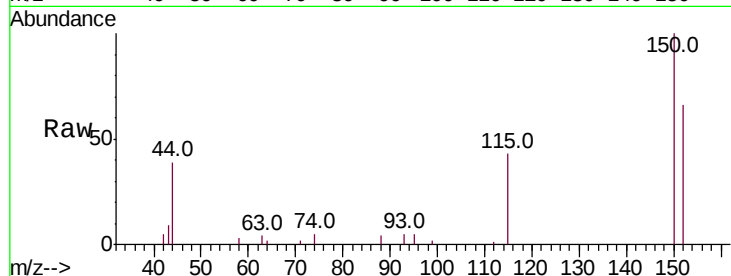
Tot Ion:152 Resp: 5836

Ion Ratio Lower Upper

152 100

150 152.0 125.6 188.4

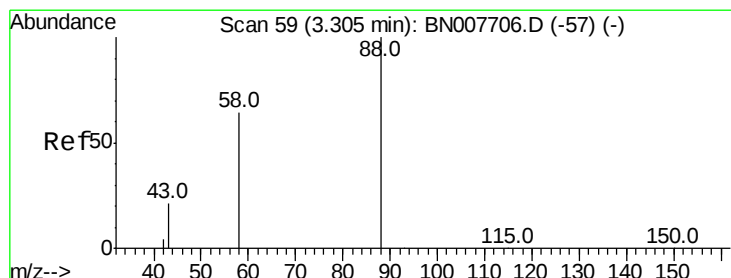
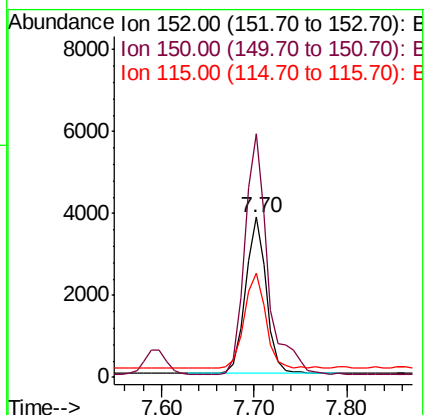
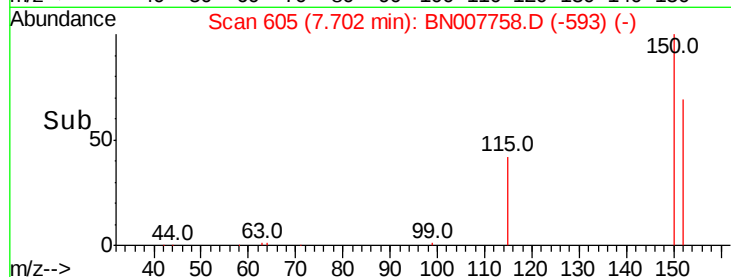
115 64.9 53.3 79.9



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: 0.341 ng

RT: 3.30 min Scan# 59

Delta R.T. -0.00 min

Lab File: BN007758.D

Acq: 20 Sep 2019 01:20

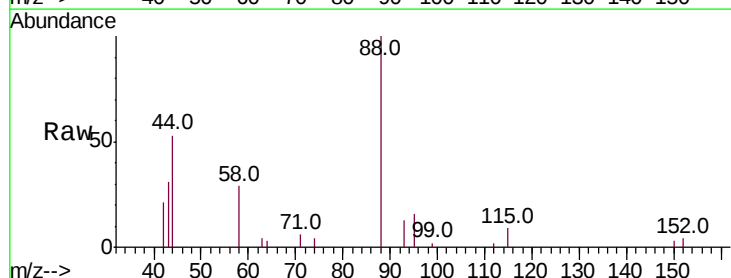
Tgt Ion: 88 Resp: 2220

Ion Ratio Lower Upper

88 100

58 70.7 44.6 66.8#

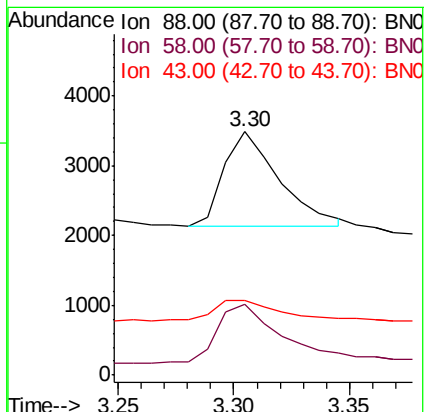
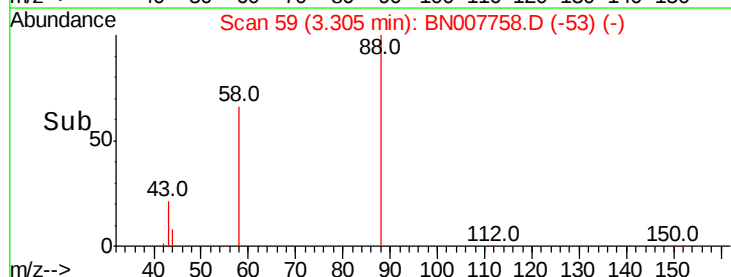
43 22.7 14.4 21.6#



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



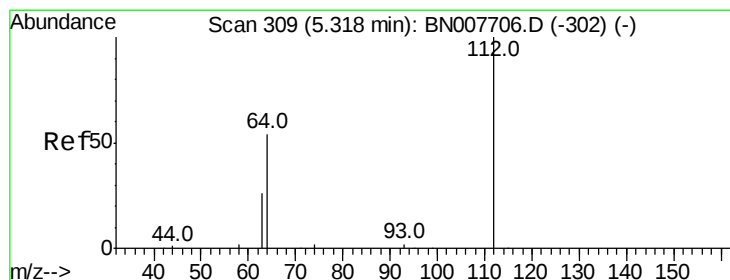
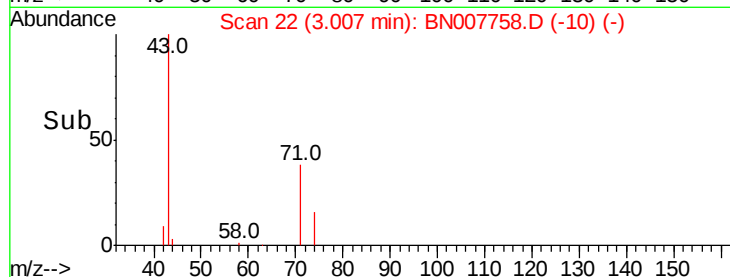
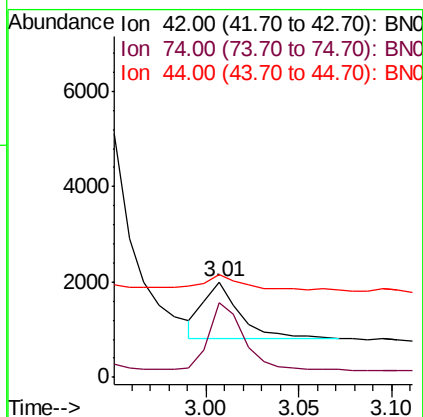
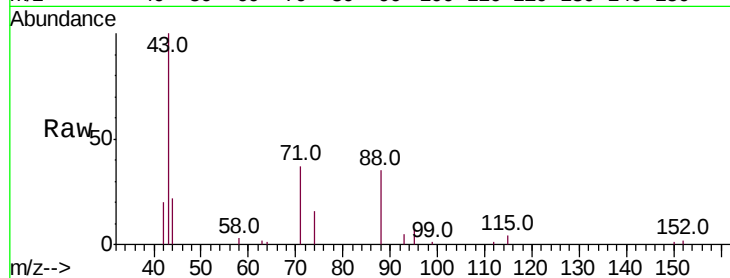


#3

n-Nitrosodimethylamine
 Concen: 0.529 ng
 RT: 3.01 min Scan# 22
 Delta R.T. -0.00 min
 Lab File: BN007758.D
 Acq: 20 Sep 2019 01:20

Instrument :
 BNA_N
 ClientSampleId :

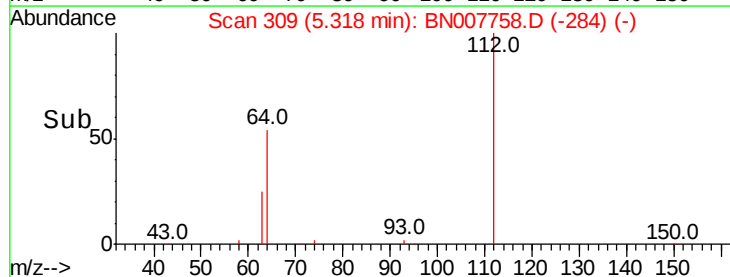
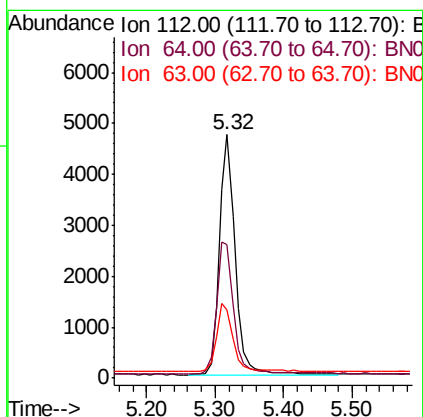
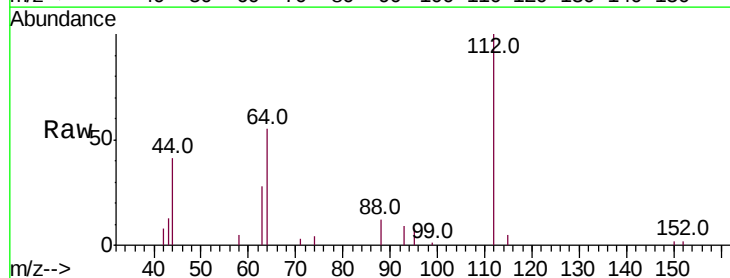
Tot Ion: 42 Resp: 1575
 Ion Ratio Lower Upper
 42 100
 74 114.7 87.9 131.9
 44 29.5 29.4 44.0

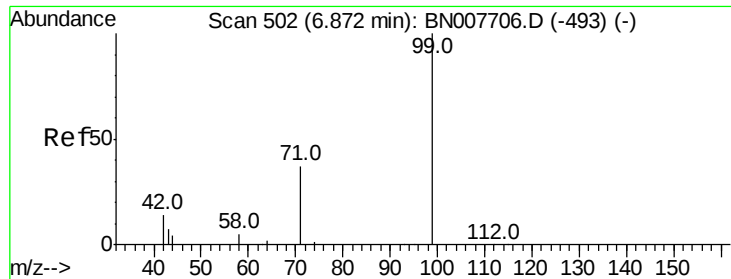


#4

2-Fluorophenol
 Concen: 0.376 ng
 RT: 5.32 min Scan# 309
 Delta R.T. -0.00 min
 Lab File: BN007758.D
 Acq: 20 Sep 2019 01:20

Tgt Ion: 112 Resp: 7552
 Ion Ratio Lower Upper
 112 100
 64 58.6 46.6 70.0
 63 29.2 23.1 34.7





#5

Phenol-d6

Concen: 0.399 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007758.D

Acq: 20 Sep 2019 01:20

Instrument :

BNA_N

ClientSampleId :

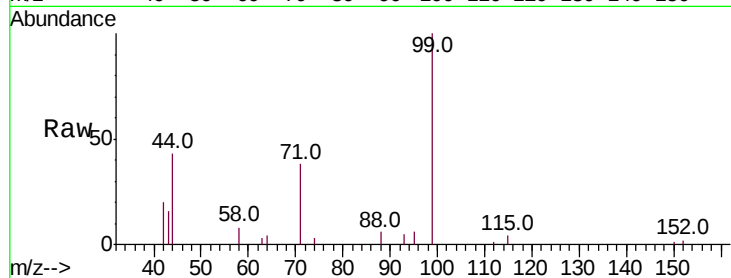
Tot Ion: 99 Resp: 9980

Ion Ratio Lower Upper

99 100

42 14.6 12.8 19.2

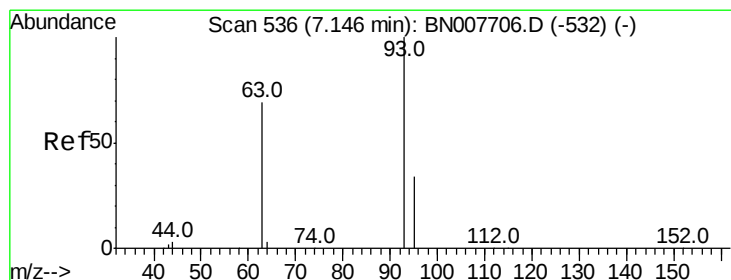
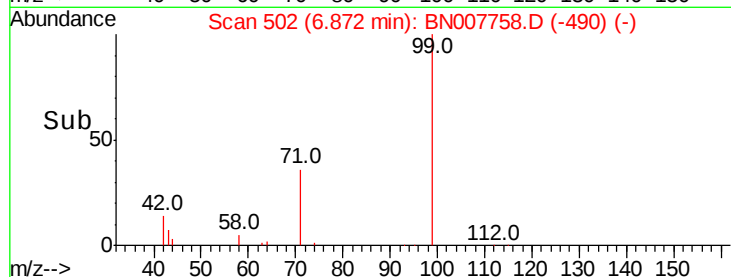
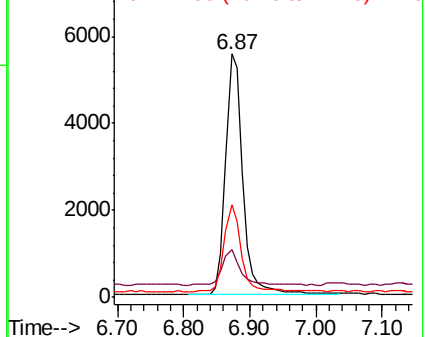
71 35.0 27.6 41.4



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: 0.378 ng

RT: 7.14 min Scan# 535

Delta R.T. -0.01 min

Lab File: BN007758.D

Acq: 20 Sep 2019 01:20

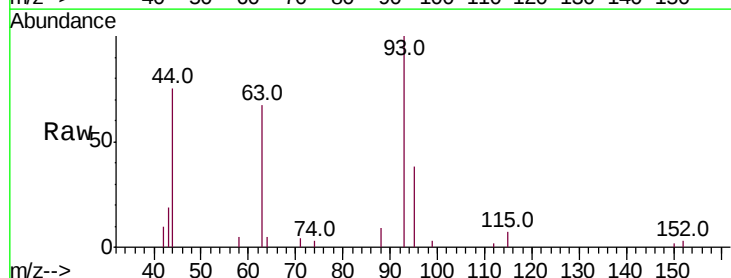
Tgt Ion: 93 Resp: 6239

Ion Ratio Lower Upper

93 100

63 75.1 59.3 88.9

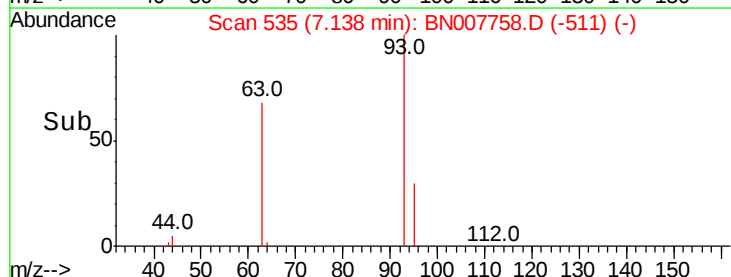
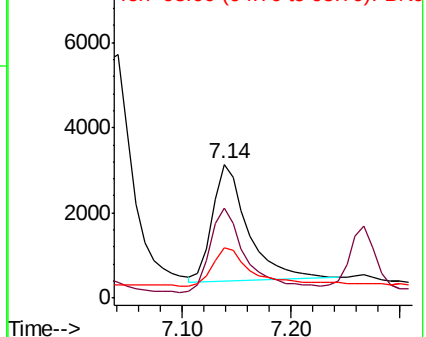
95 35.5 31.4 47.0

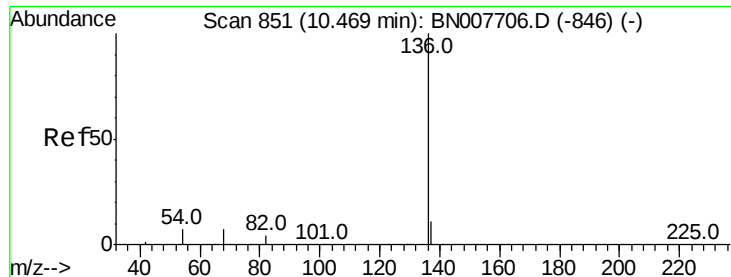


Abundance Ion 93.00 (92.70 to 93.70): BNC

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: 10.47 min Scan# 851

Delta R.T. -0.00 min

Lab File: BN007758.D

Acq: 20 Sep 2019 01:20

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 24807

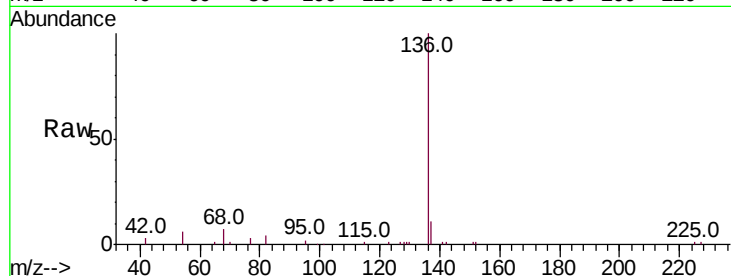
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	5.9	5.8	8.8
68	6.8	6.5	9.7

136 100

137 11.4 9.2 13.8

54 5.9 5.8 8.8

68 6.8 6.5 9.7

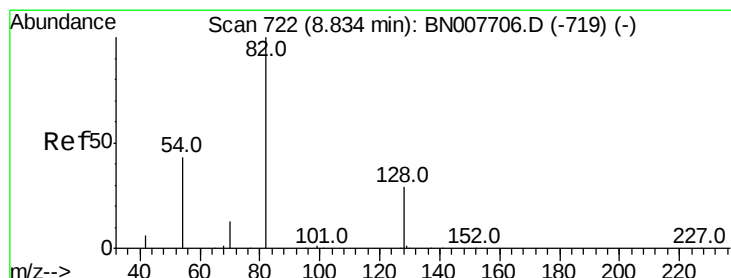
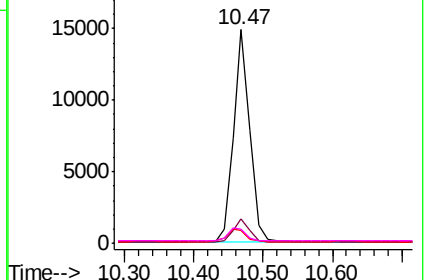
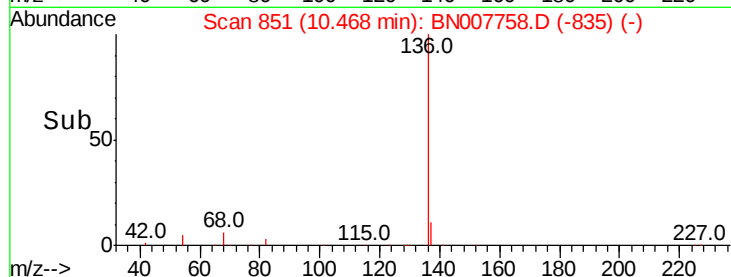


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.382 ng

RT: 8.83 min Scan# 722

Delta R.T. -0.00 min

Lab File: BN007758.D

Acq: 20 Sep 2019 01:20

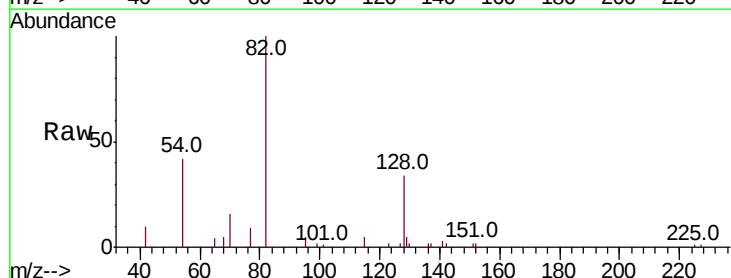
Tgt Ion: 82 Resp: 8278

Ion	Ratio	Lower	Upper
82	100		
128	33.8	24.5	36.7
54	42.1	35.2	52.8

82 100

128 33.8 24.5 36.7

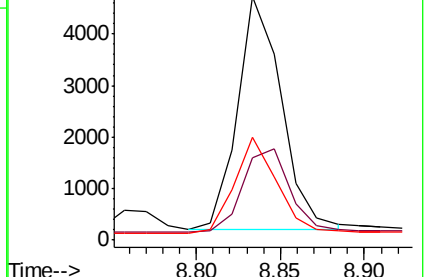
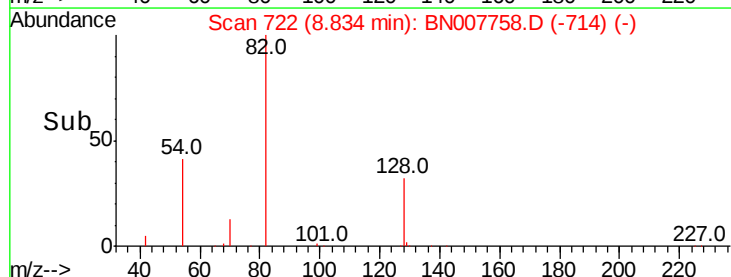
54 42.1 35.2 52.8

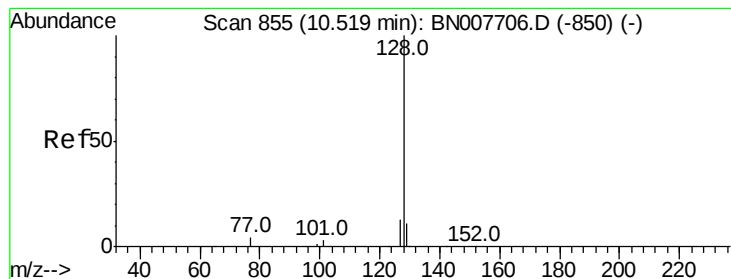


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.397 ng

RT: 10.52 min Scan# 855

Delta R.T. -0.00 min

Lab File: BN007758.D

Acq: 20 Sep 2019 01:20

Instrument :

BNA_N

ClientSampled :

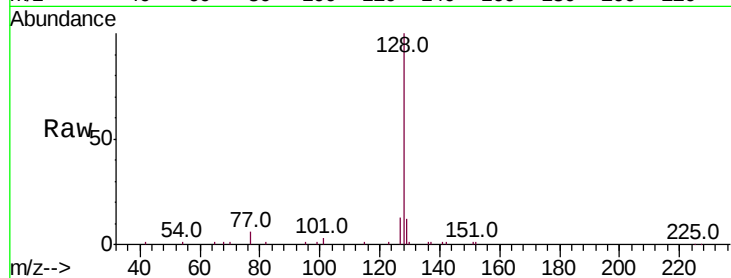
Tot Ion:128 Resp: 27654

Ion Ratio Lower Upper

128 100

129 11.7 9.1 13.7

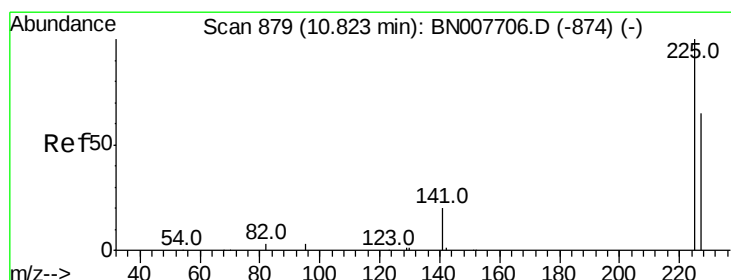
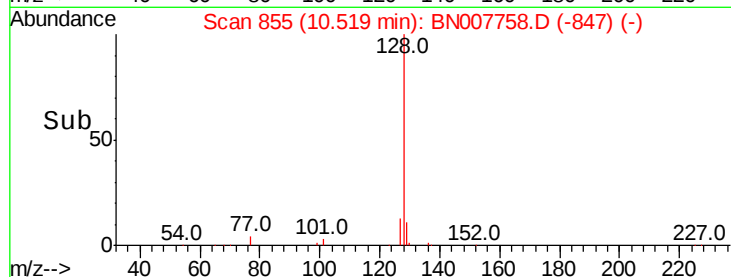
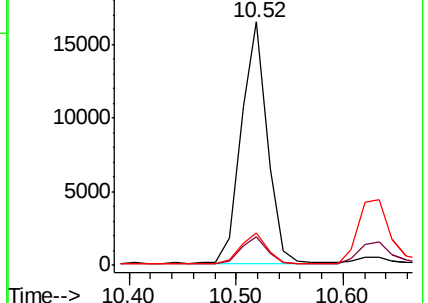
127 13.1 10.6 15.8



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: 0.404 ng

RT: 10.82 min Scan# 879

Delta R.T. -0.00 min

Lab File: BN007758.D

Acq: 20 Sep 2019 01:20

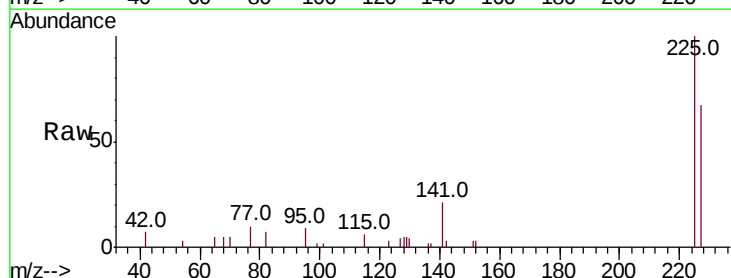
Tgt Ion:225 Resp: 5925

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

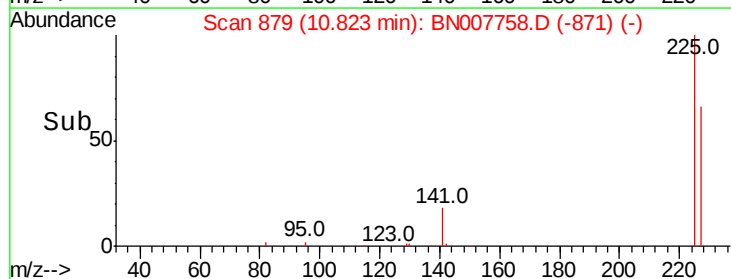
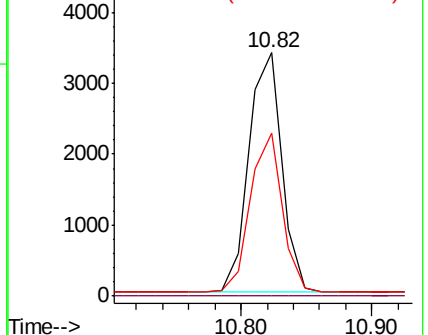
227 63.7 51.2 76.8

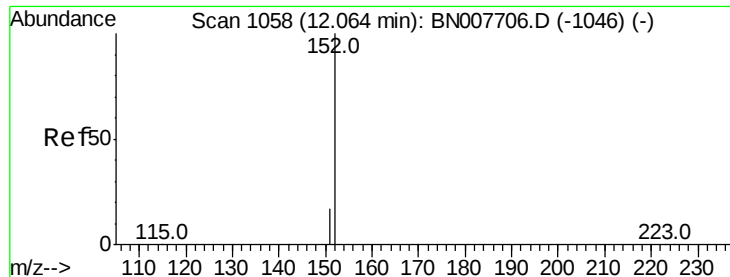


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

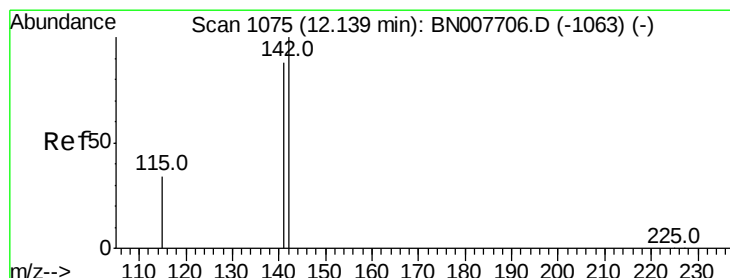
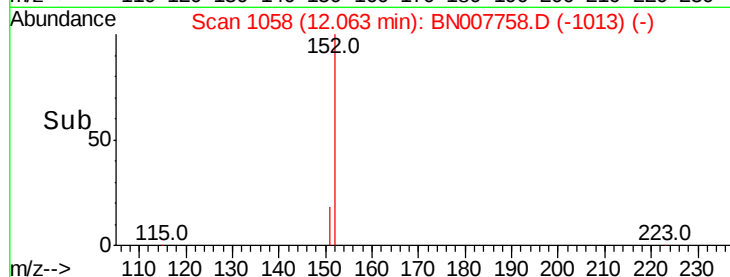
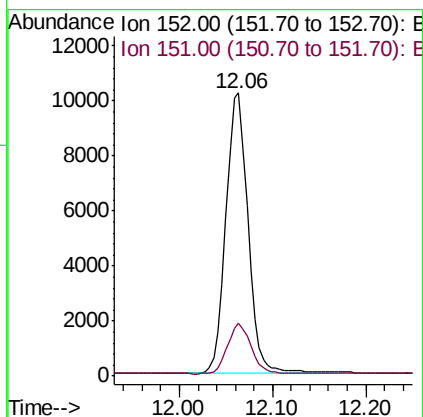
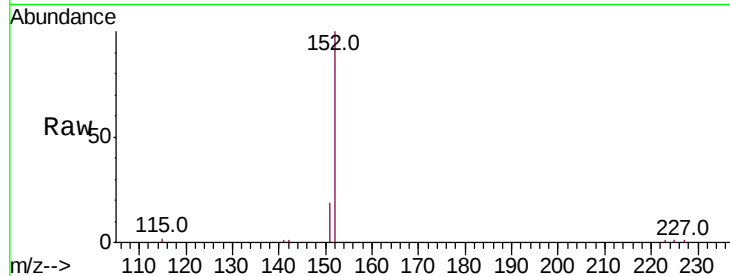




#11
2-Methylnaphthalene-d10
Concen: 0.406 ng
RT: 12.06 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BN007758.D
Acq: 20 Sep 2019 01:20

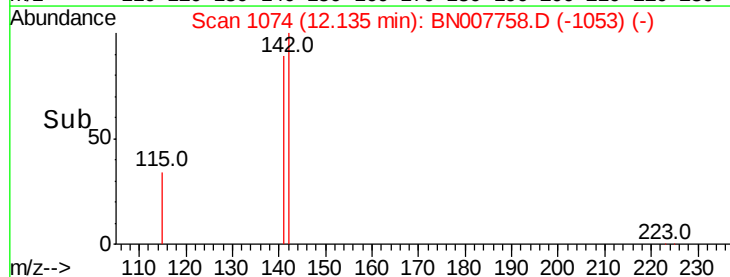
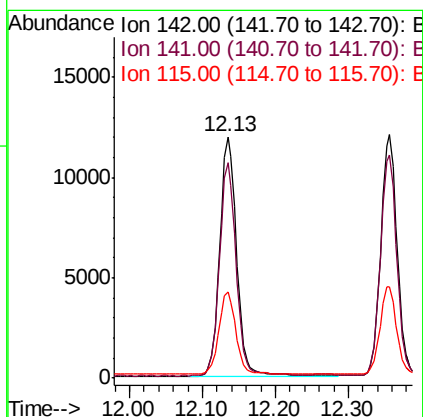
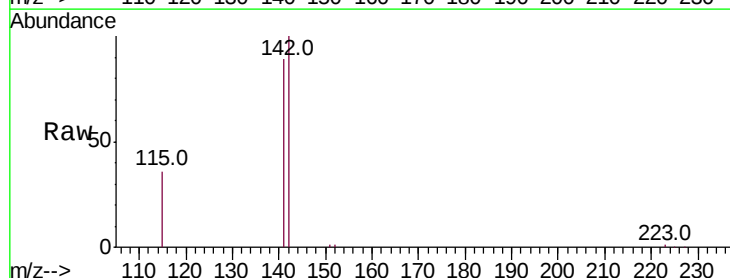
Instrument :
BNA_N
ClientSampleId :

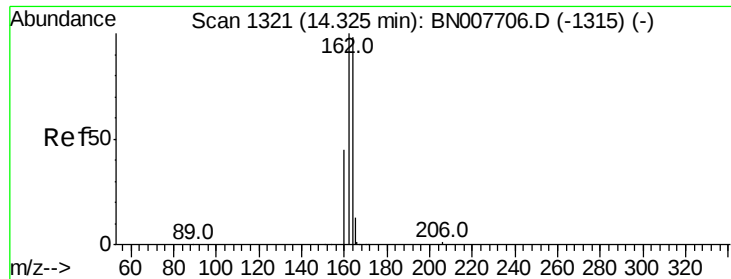
Tot Ion:152 Resp: 16969
Ion Ratio Lower Upper
152 100
151 19.1 15.4 23.2



#12
2-Methylnaphthalene
Concen: 0.412 ng
RT: 12.13 min Scan# 1074
Delta R.T. -0.00 min
Lab File: BN007758.D
Acq: 20 Sep 2019 01:20

Tgt Ion:142 Resp: 19365
Ion Ratio Lower Upper
142 100
141 89.2 70.6 106.0
115 35.5 28.3 42.5

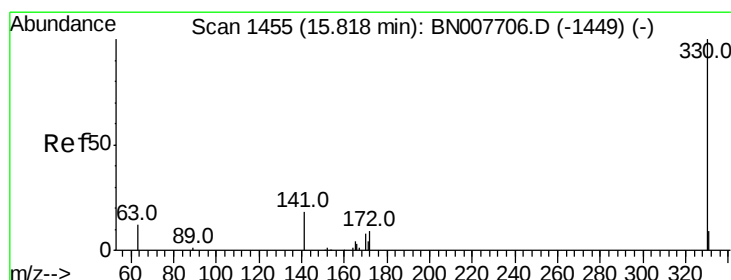
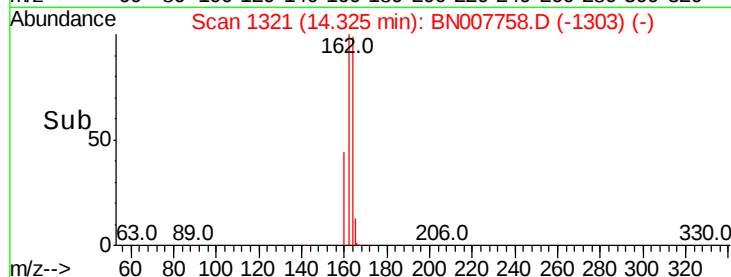
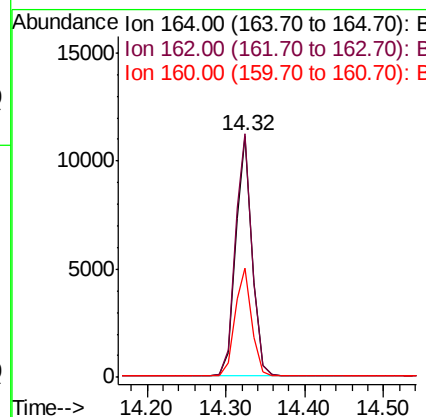
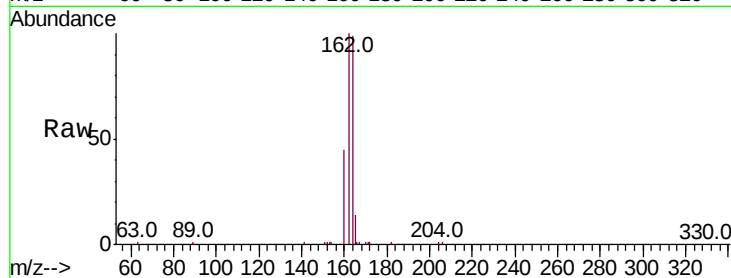




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.32 min Scan# 1321
Delta R.T. -0.00 min
Lab File: BN007758.D
Acq: 20 Sep 2019 01:20

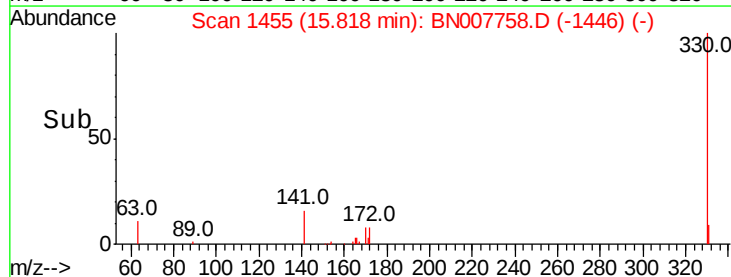
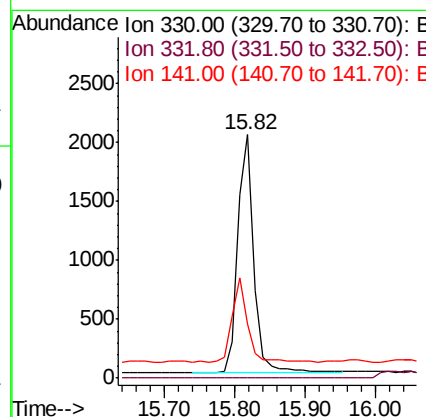
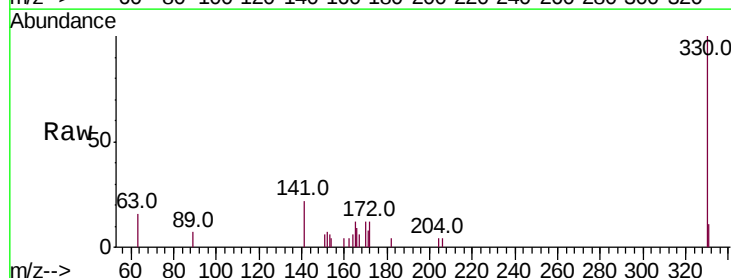
Instrument :
BNA_N
ClientSampleId :

Tot Ion:164 Resp: 16318
Ion Ratio Lower Upper
164 100
162 101.0 81.7 122.5
160 45.3 37.0 55.4



#14
2,4,6-Tribromophenol
Concen: 0.362 ng
RT: 15.82 min Scan# 1455
Delta R.T. -0.00 min
Lab File: BN007758.D
Acq: 20 Sep 2019 01:20

Tgt Ion:330 Resp: 3220
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 33.4 28.7 43.1

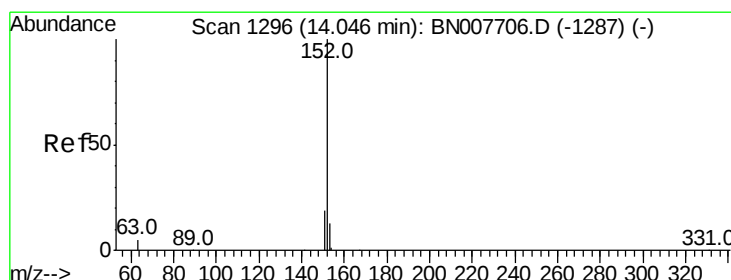
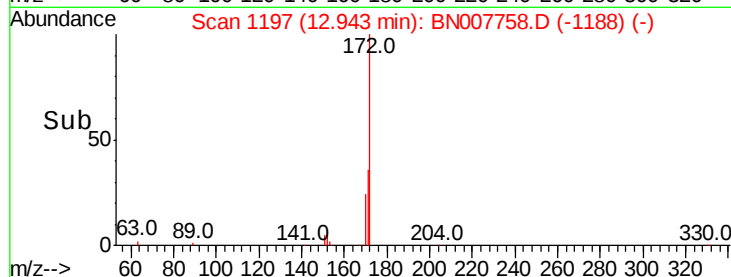
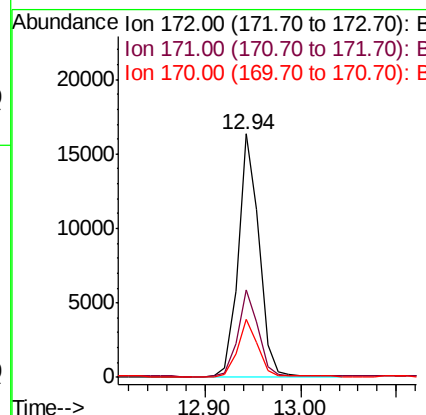
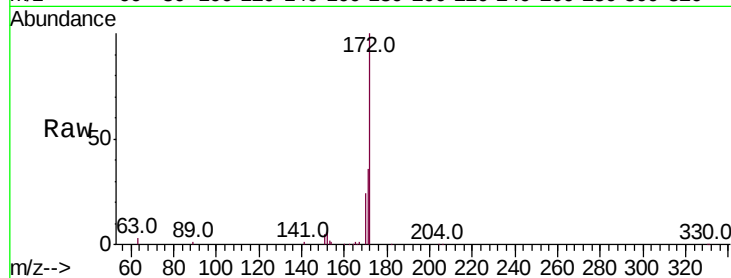




#15
2-Fluorobiphenyl
Concen: 0.364 ng
RT: 12.94 min Scan# 1197
Delta R.T. -0.00 min
Lab File: BN007758.D
Acq: 20 Sep 2019 01:20

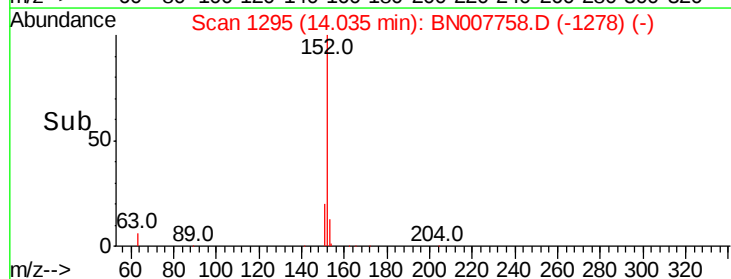
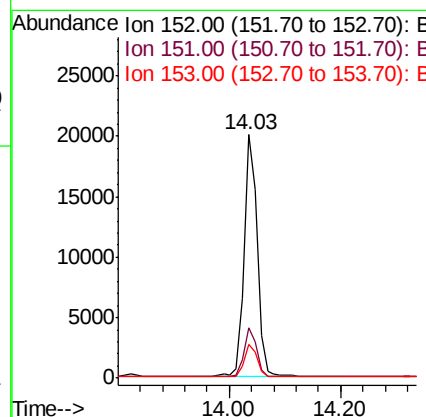
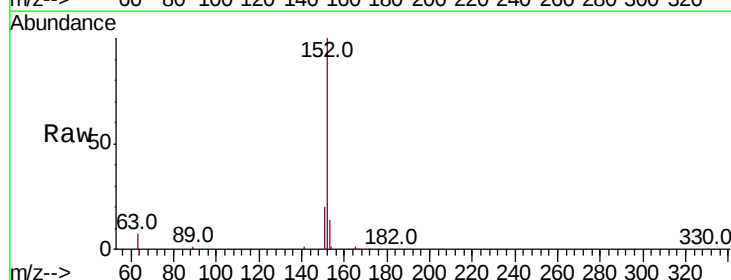
Instrument :
BNA_N
ClientSampleId :

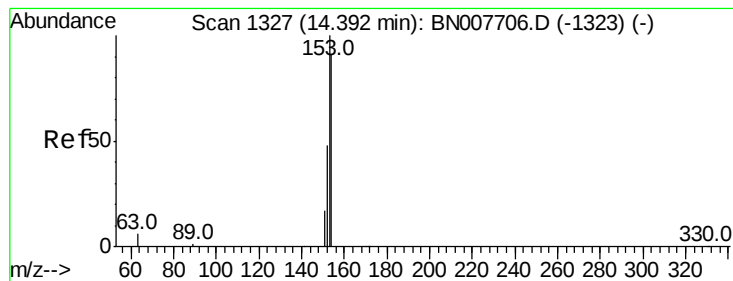
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	23.8	19.5	29.3



#16
Acenaphthylene
Concen: 0.370 ng
RT: 14.03 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BN007758.D
Acq: 20 Sep 2019 01:20

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.5	23.3
153	13.1	10.4	15.6





#17

Acenaphthene

Concen: 0.355 ng

RT: 14.38 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BN007758.D

Acq: 20 Sep 2019 01:20

Instrument :

BNA_N

ClientSampleId :

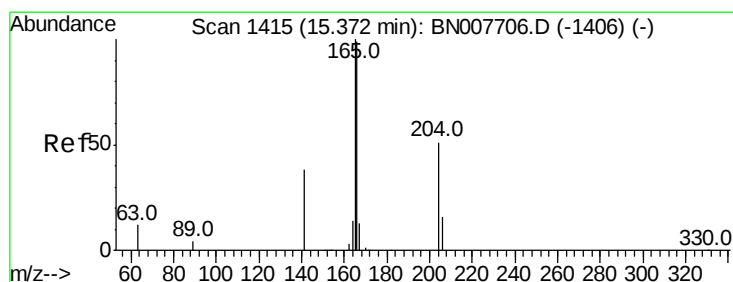
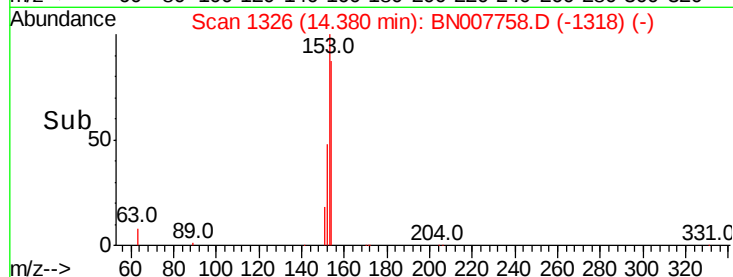
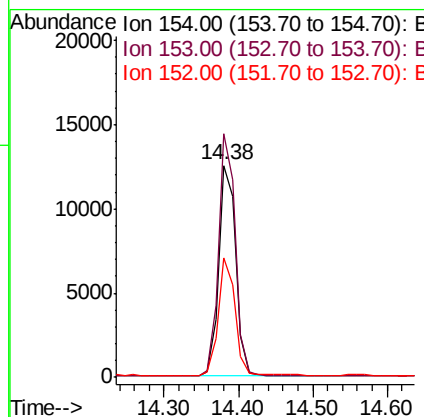
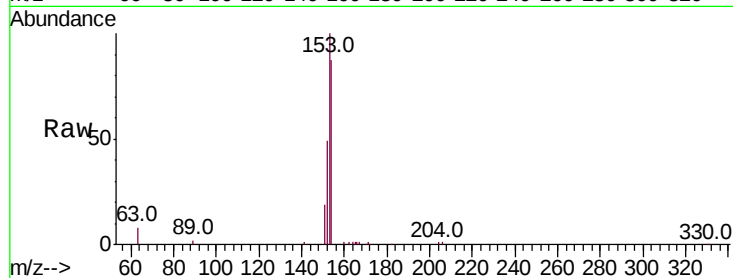
Tot Ion:154 Resp: 19793

Ion Ratio Lower Upper

154 100

153 112.6 87.0 130.4

152 54.5 42.7 64.1



#18

Fluorene

Concen: 0.370 ng

RT: 15.37 min Scan# 1415

Delta R.T. -0.00 min

Lab File: BN007758.D

Acq: 20 Sep 2019 01:20

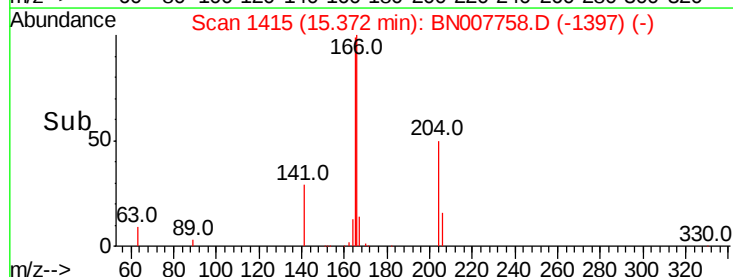
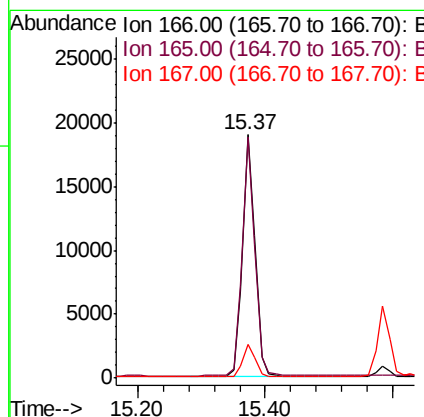
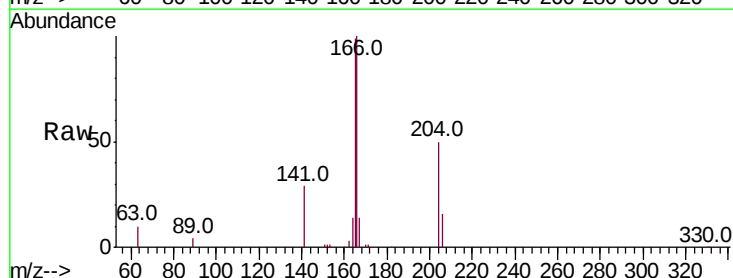
Tgt Ion:166 Resp: 26484

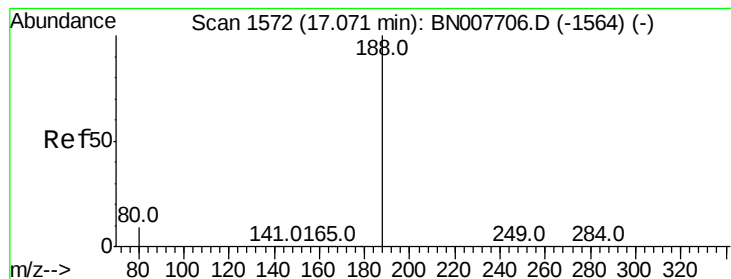
Ion Ratio Lower Upper

166 100

165 98.4 78.0 117.0

167 13.7 10.9 16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.07 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BN007758.D

Acq: 20 Sep 2019 01:20

Instrument :

BNA_N

ClientSampleId :

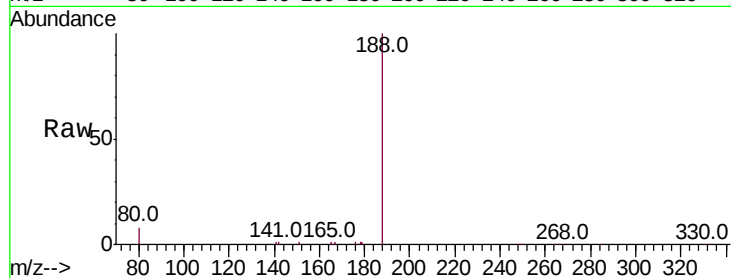
Tot Ion:188 Resp: 36748

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

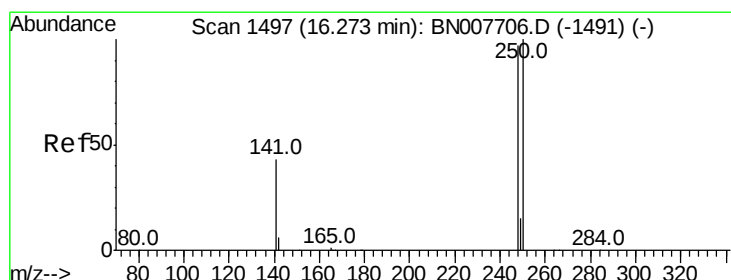
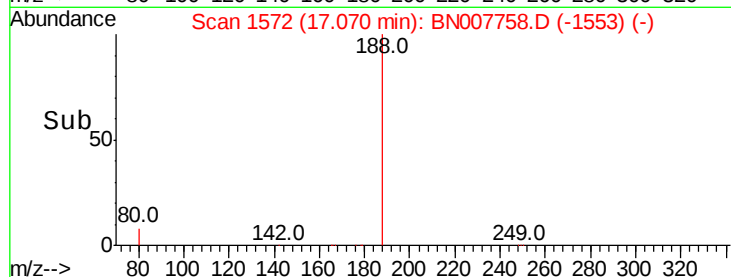
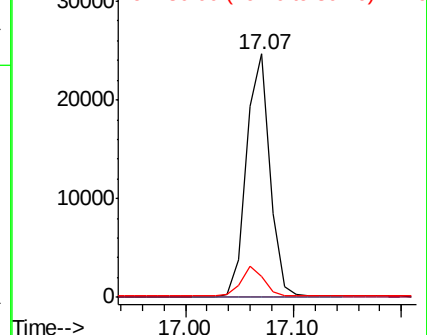
80 8.4 7.4 11.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.392 ng

RT: 16.26 min Scan# 1496

Delta R.T. -0.01 min

Lab File: BN007758.D

Acq: 20 Sep 2019 01:20

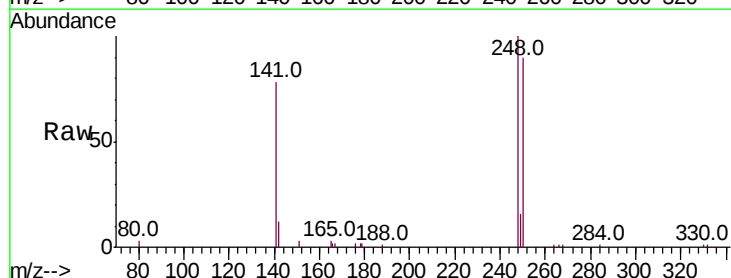
Tgt Ion:248 Resp: 8751

Ion Ratio Lower Upper

248 100

250 89.5 82.2 123.4

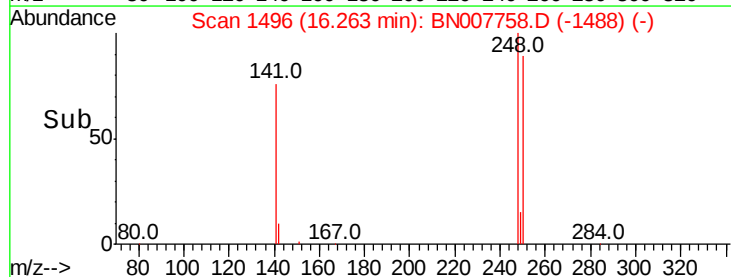
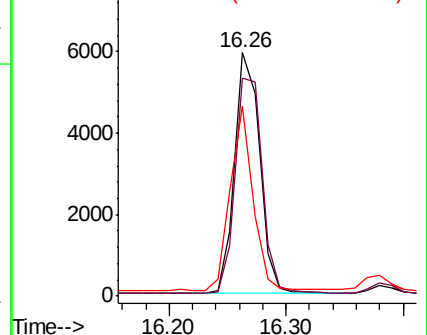
141 77.7 36.3 54.5#

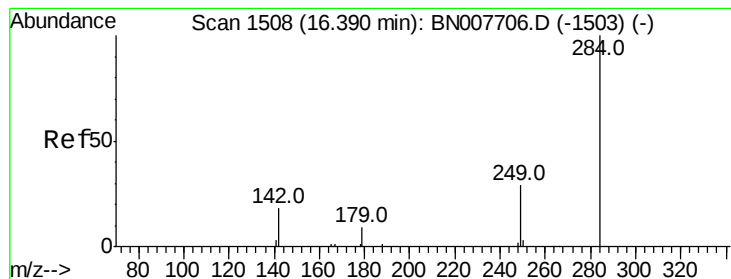


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.402 ng

RT: 16.38 min Scan# 1507

Delta R.T. -0.01 min

Lab File: BN007758.D

Acq: 20 Sep 2019 01:20

Instrument :

BNA_N

ClientSampleId :

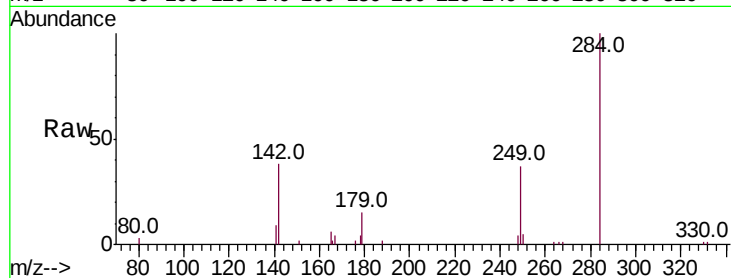
Tot Ion:284 Resp: 9802

Ion Ratio Lower Upper

284 100

142 32.2 25.8 38.6

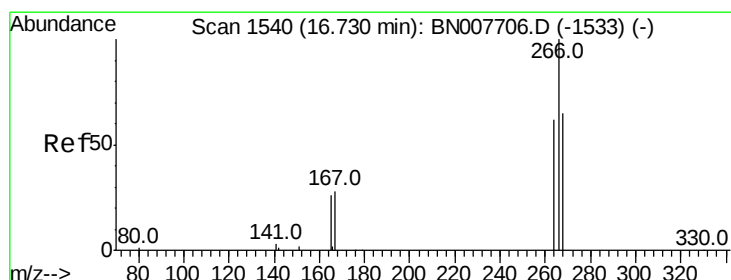
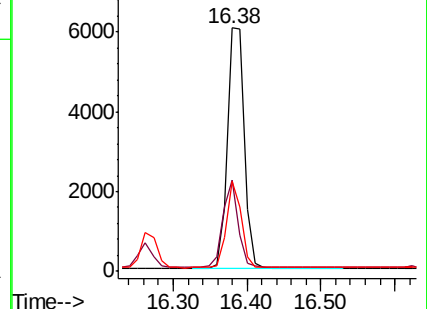
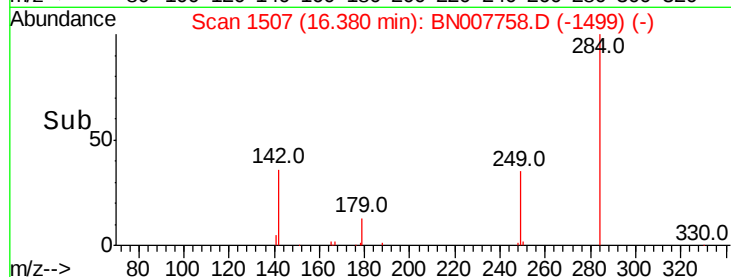
249 31.7 25.9 38.9



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: 0.391 ng

RT: 16.72 min Scan# 1539

Delta R.T. -0.01 min

Lab File: BN007758.D

Acq: 20 Sep 2019 01:20

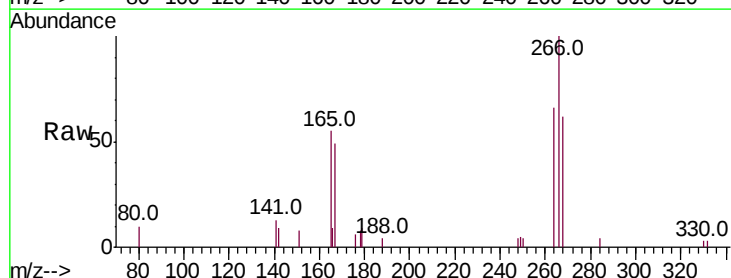
Tgt Ion:266 Resp: 3518

Ion Ratio Lower Upper

266 100

264 65.9 50.0 75.0

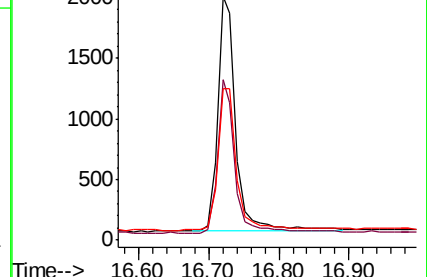
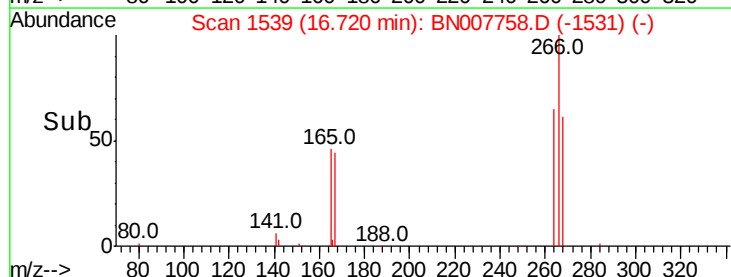
268 62.5 54.2 81.4

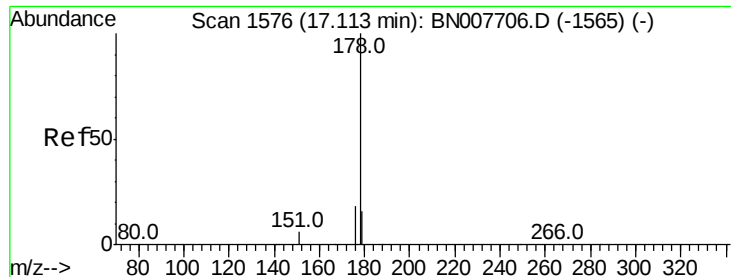


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.391 ng

RT: 17.10 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BN007758.D

Acq: 20 Sep 2019 01:20

Instrument :

BNA_N

ClientSampleId :

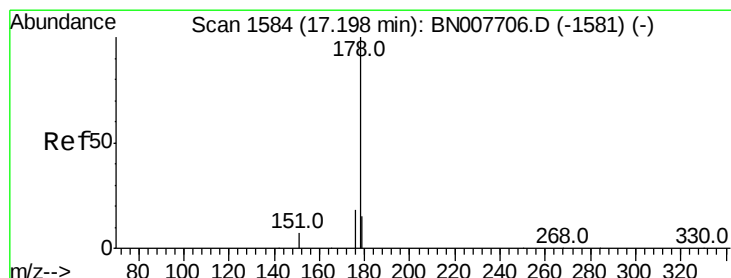
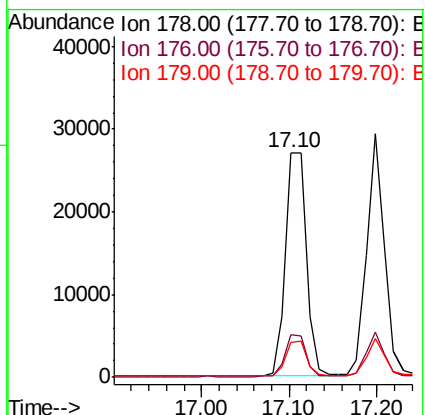
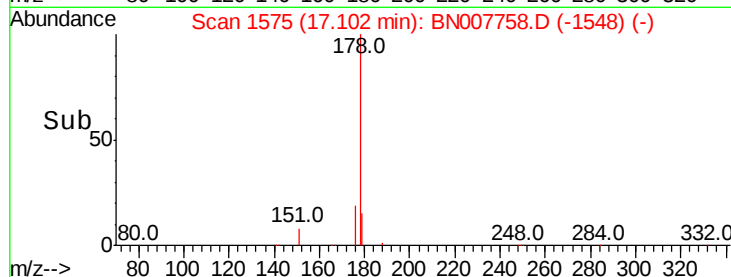
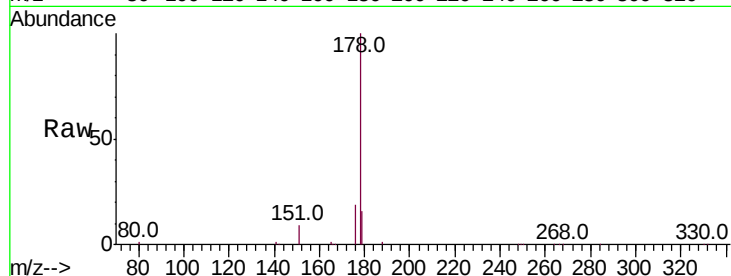
Tot Ion:178 Resp: 44760

Ion Ratio Lower Upper

178 100

176 18.5 14.9 22.3

179 15.4 12.5 18.7



#24

Anthracene

Concen: 0.408 ng

RT: 17.20 min Scan# 1584

Delta R.T. -0.00 min

Lab File: BN007758.D

Acq: 20 Sep 2019 01:20

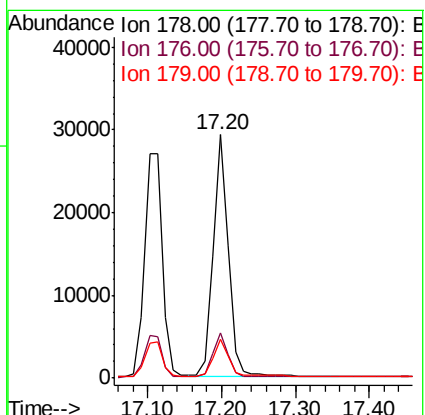
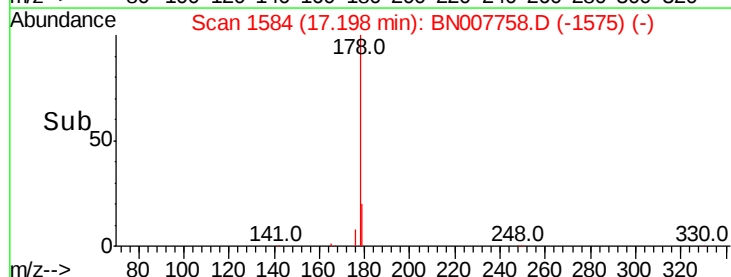
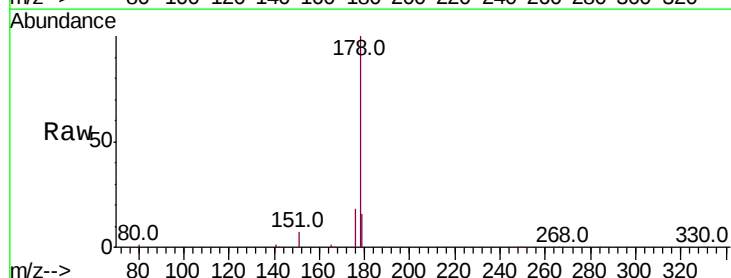
Tgt Ion:178 Resp: 42144

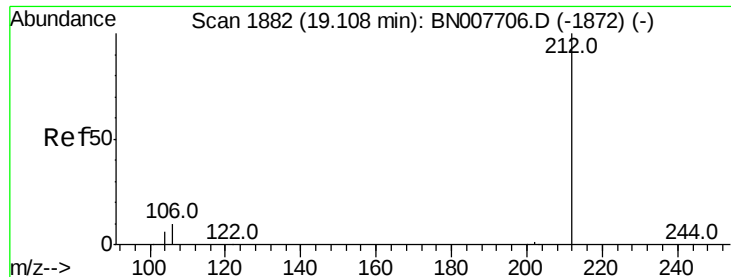
Ion Ratio Lower Upper

178 100

176 18.1 14.6 21.8

179 15.3 12.2 18.4





#25

Fluoranthene-d10

Concen: 0.403 ng

RT: 19.10 min Scan# 1881

Delta R.T. -0.01 min

Lab File: BN007758.D

Acq: 20 Sep 2019 01:20

Instrument :

BNA_N

ClientSampleId :

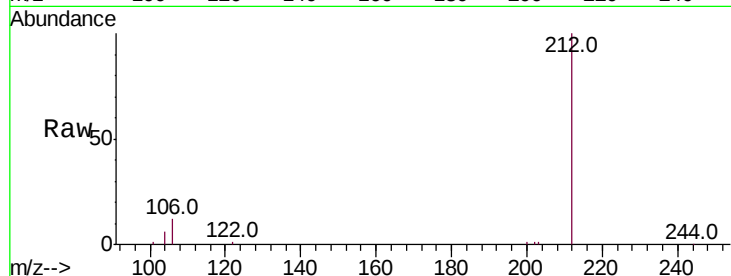
Tot Ion:212 Resp: 49895

Ion Ratio Lower Upper

212 100

106 11.8 9.4 14.0

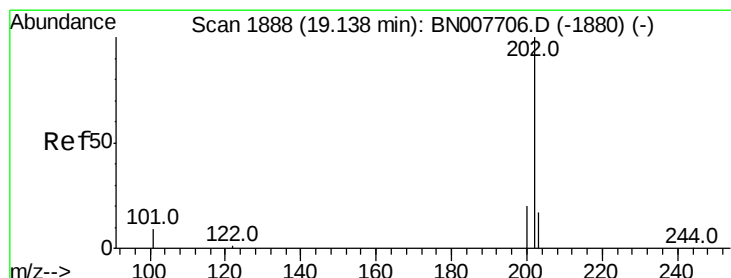
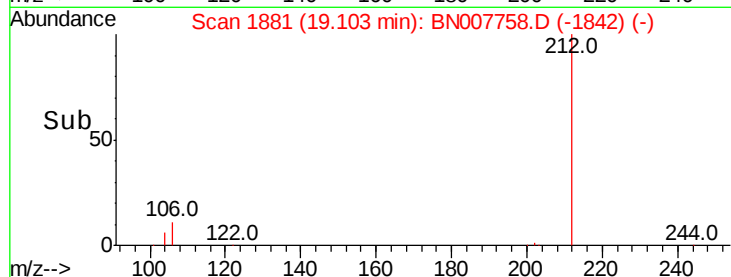
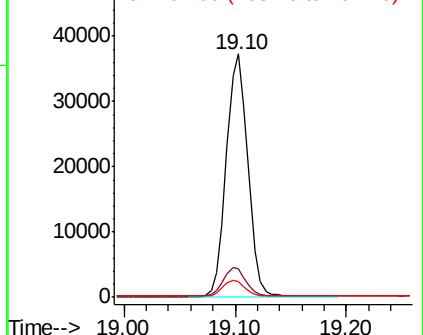
104 6.6 5.3 7.9



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: 0.396 ng

RT: 19.13 min Scan# 1887

Delta R.T. -0.01 min

Lab File: BN007758.D

Acq: 20 Sep 2019 01:20

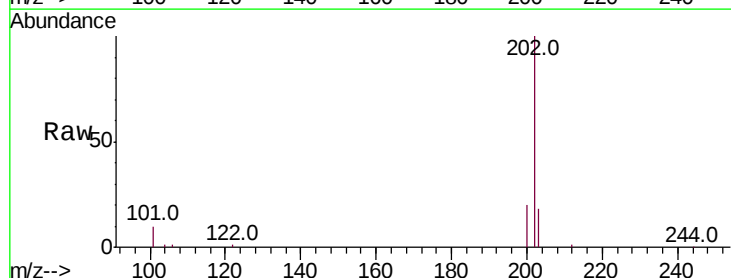
Tgt Ion:202 Resp: 56394

Ion Ratio Lower Upper

202 100

101 10.9 8.4 12.6

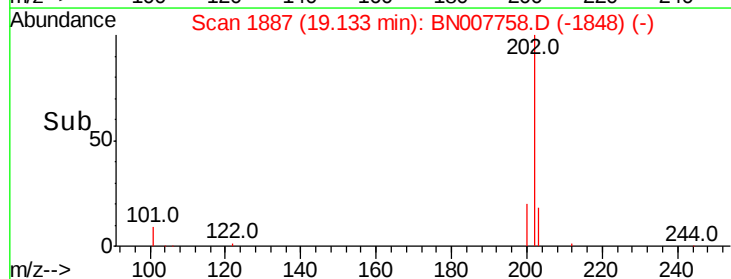
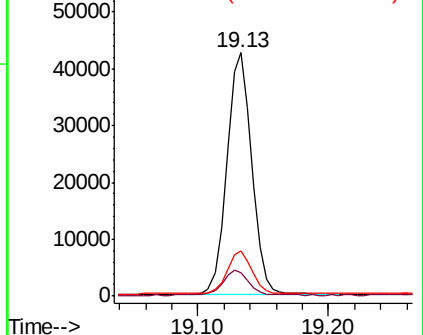
203 17.8 13.8 20.8



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: BN007758.D

Acq: 20 Sep 2019 01:20

Instrument :

BNA_N

ClientSampleId :

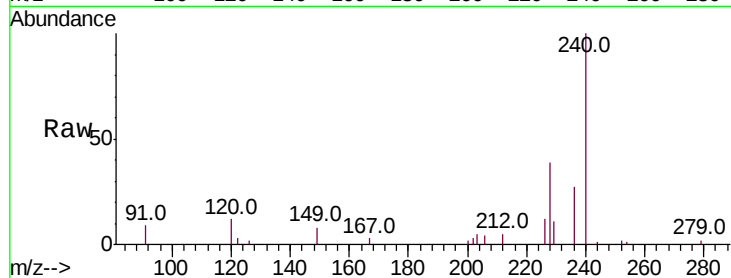
Tot Ion:240 Resp: 39695

Ion Ratio Lower Upper

240 100

120 12.1 5.4 8.2#

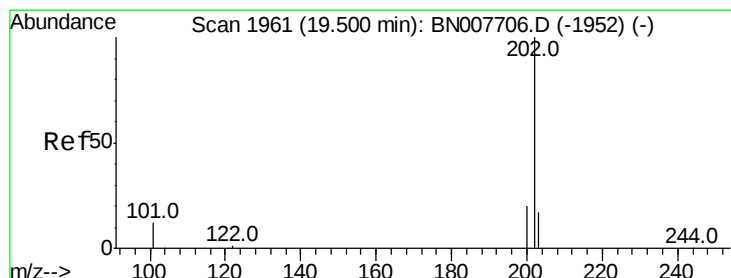
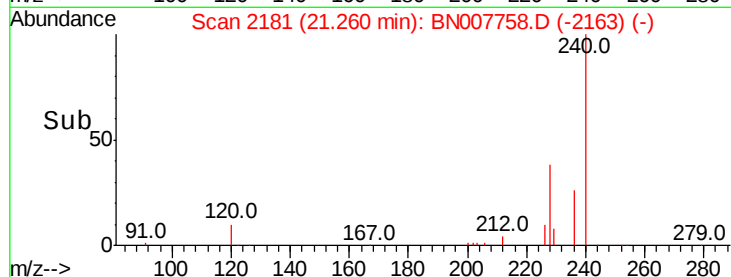
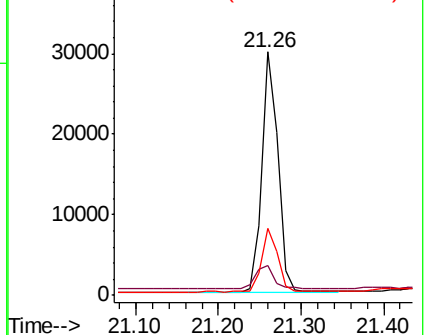
236 27.5 21.0 31.4



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: 0.431 ng

RT: 19.50 min Scan# 1960

Delta R.T. -0.01 min

Lab File: BN007758.D

Acq: 20 Sep 2019 01:20

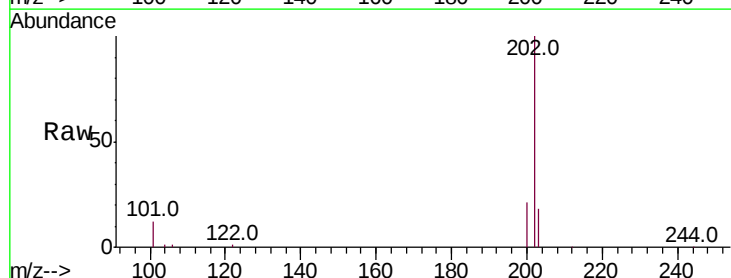
Tgt Ion:202 Resp: 58357

Ion Ratio Lower Upper

202 100

200 20.4 16.4 24.6

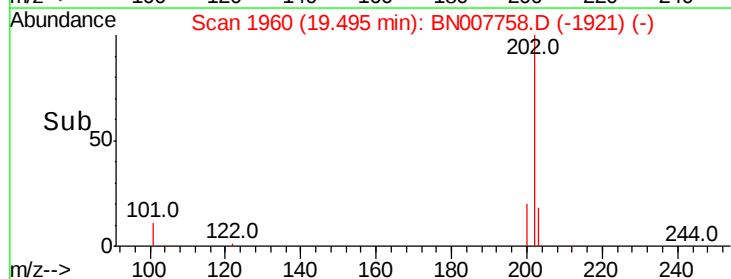
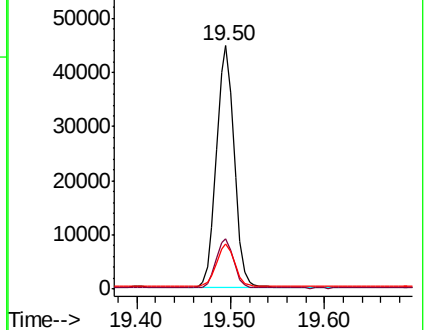
203 17.7 14.1 21.1

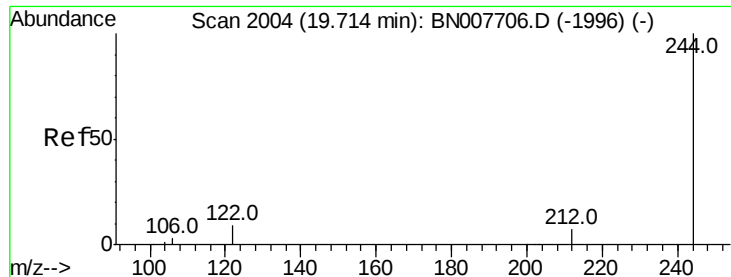


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.427 ng

RT: 19.71 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BN007758.D

Acq: 20 Sep 2019 01:20

Instrument :

BNA_N

ClientSampleId :

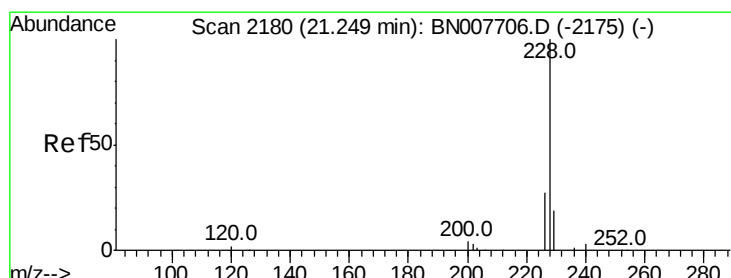
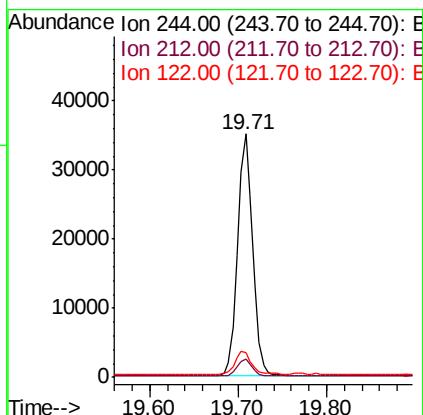
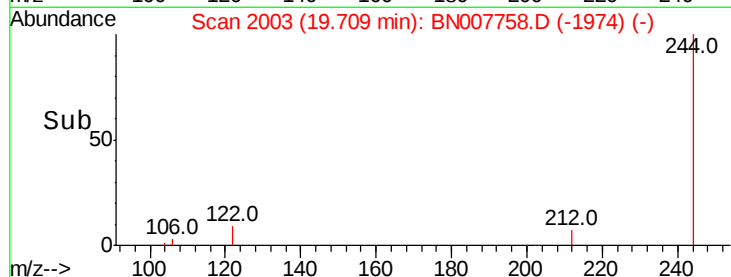
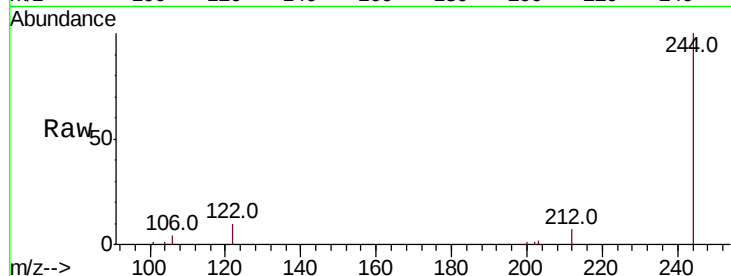
Tot Ion:244 Resp: 41621

Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

122 10.2 7.4 11.2



#30

Benzo(a)anthracene

Concen: 0.403 ng

RT: 21.25 min Scan# 2180

Delta R.T. -0.00 min

Lab File: BN007758.D

Acq: 20 Sep 2019 01:20

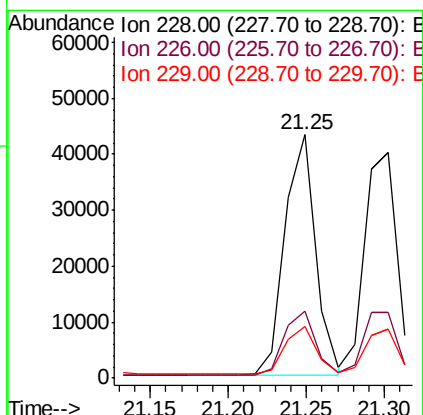
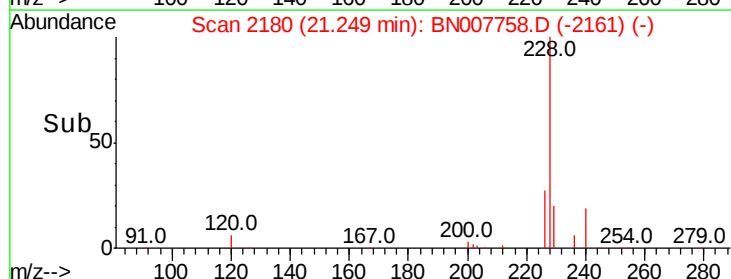
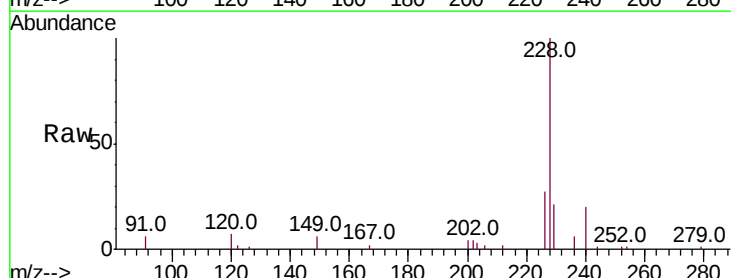
Tgt Ion:228 Resp: 58905

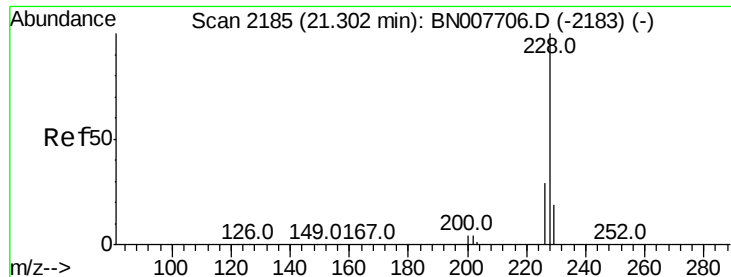
Ion Ratio Lower Upper

228 100

226 27.4 22.1 33.1

229 21.4 15.8 23.6





#31

Chrysene

Concen: 0.400 ng

RT: 21.30 min Scan# 2185

Delta R.T. -0.00 min

Lab File: BN007758.D

Acq: 20 Sep 2019 01:20

Instrument :

BNA_N

ClientSampleId :

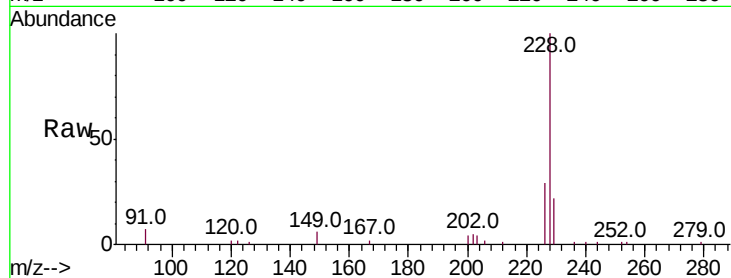
Tot Ion:228 Resp: 57047

Ion Ratio Lower Upper

228 100

226 29.2 23.9 35.9

229 21.5 15.8 23.6

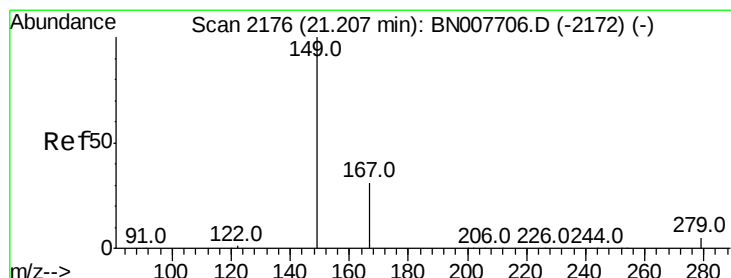
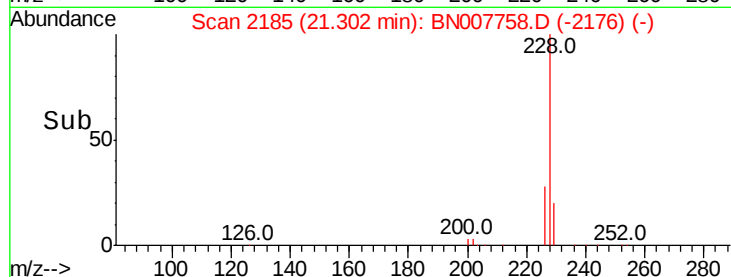
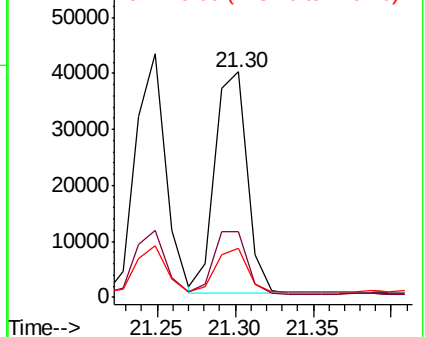


Abundance

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: 0.470 ng

RT: 21.20 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BN007758.D

Acq: 20 Sep 2019 01:20

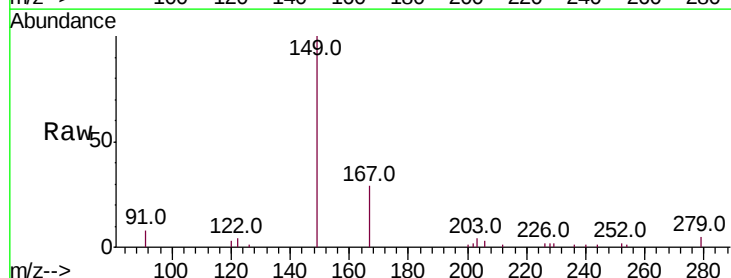
Tgt Ion:149 Resp: 35300

Ion Ratio Lower Upper

149 100

167 28.6 23.7 35.5

279 5.2 4.2 6.2

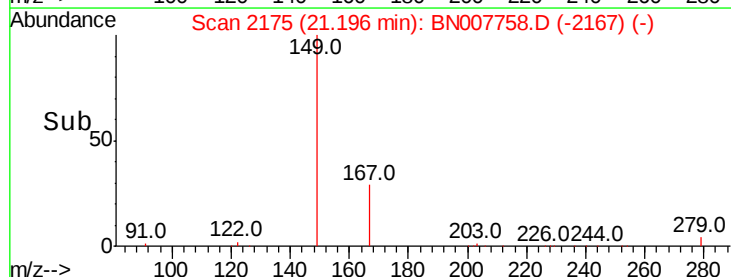
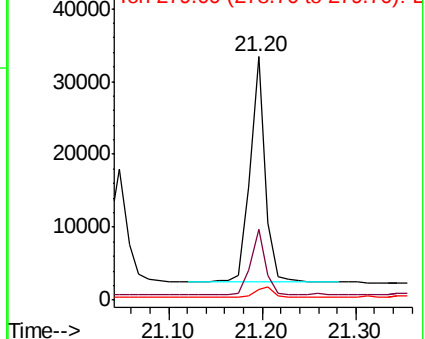


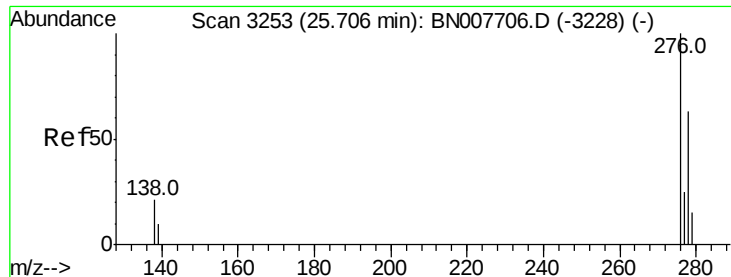
Abundance

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: 0.362 ng

RT: 25.69 min Scan# 3249

Delta R.T. -0.01 min

Lab File: BN007758.D

Acq: 20 Sep 2019 01:20

Instrument :

BNA_N

ClientSampleId :

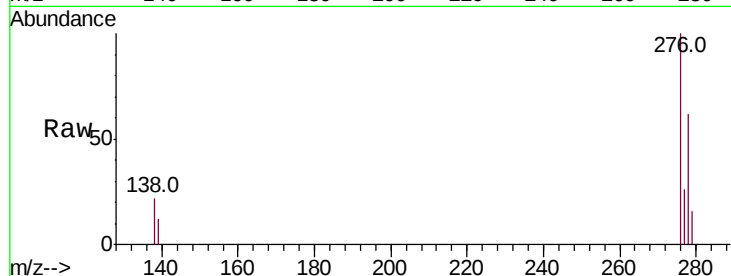
Tot Ion:276 Resp: 64546

Ion Ratio Lower Upper

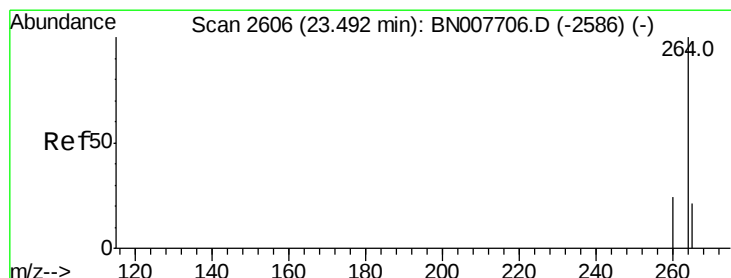
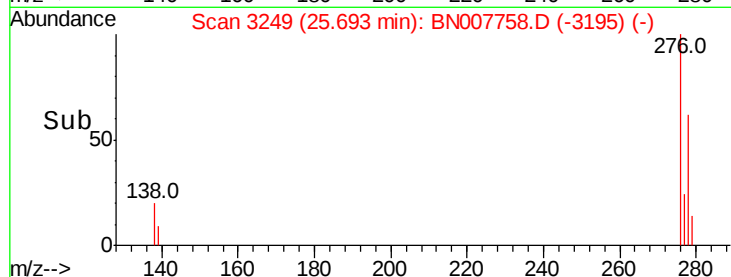
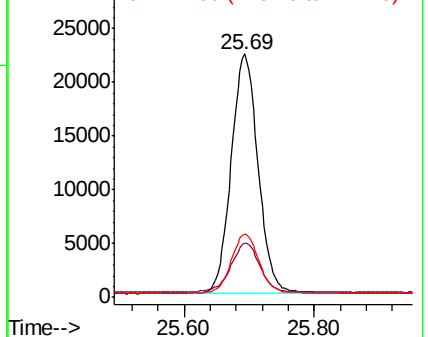
276 100

138 22.1 17.1 25.7

277 24.9 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: 23.48 min Scan# 2602

Delta R.T. -0.01 min

Lab File: BN007758.D

Acq: 20 Sep 2019 01:20

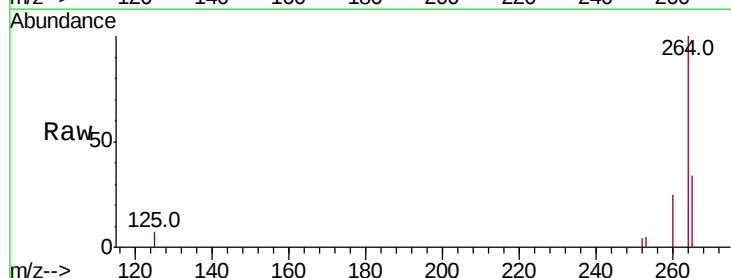
Tgt Ion:264 Resp: 42520

Ion Ratio Lower Upper

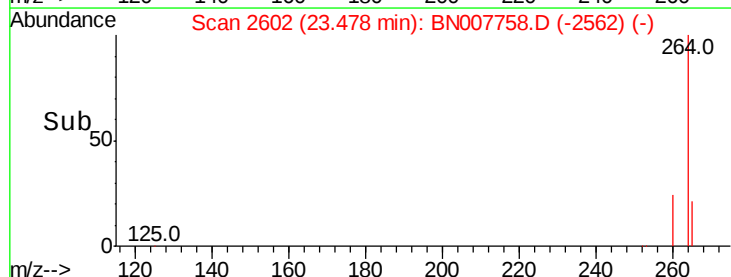
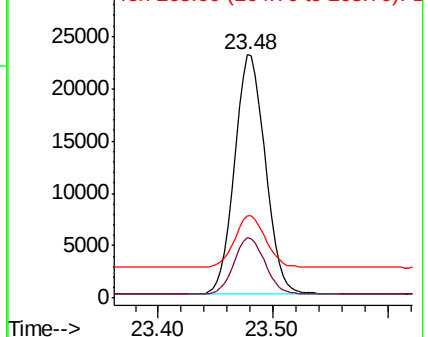
264 100

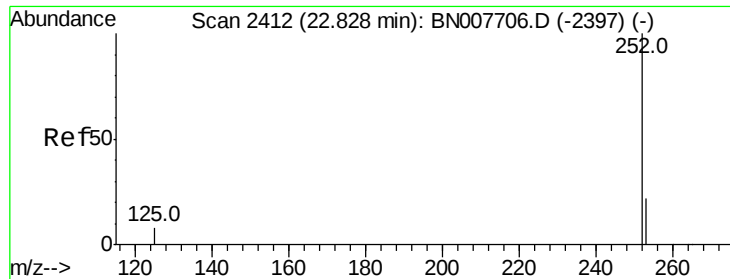
260 24.9 19.3 28.9

265 33.6 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: 0.387 ng

RT: 22.82 min Scan# 2409

Delta R.T. -0.01 min

Lab File: BN007758.D

Acq: 20 Sep 2019 01:20

Instrument :

BNA_N

ClientSampleId :

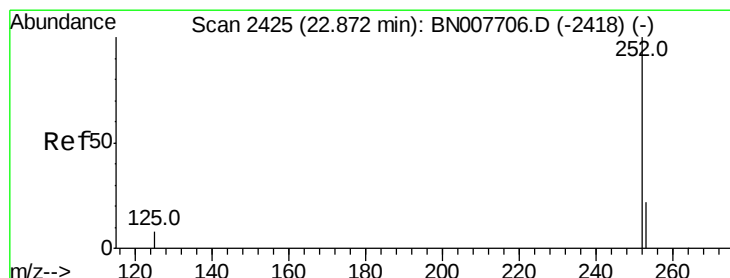
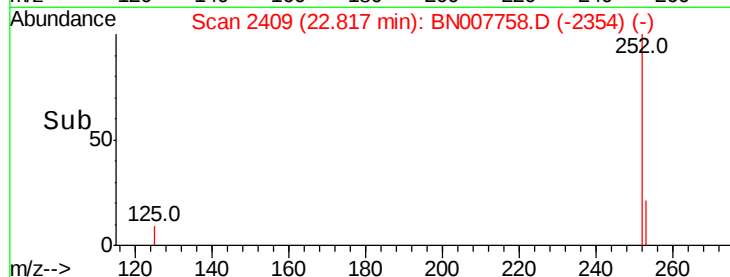
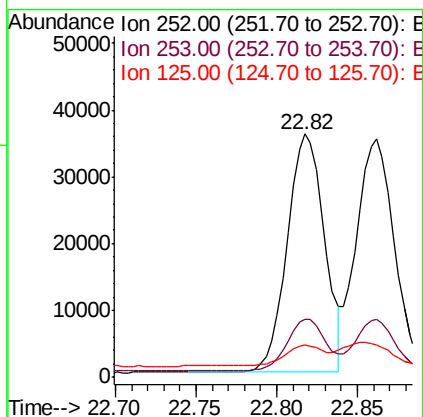
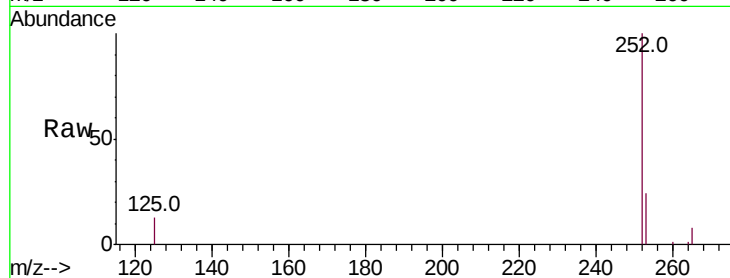
Tot Ion:252 Resp: 57188

Ion Ratio Lower Upper

252 100

253 23.9 18.3 27.5

125 13.3 8.2 12.4#



#36

Benzo(k)fluoranthene

Concen: 0.395 ng

RT: 22.86 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BN007758.D

Acq: 20 Sep 2019 01:20

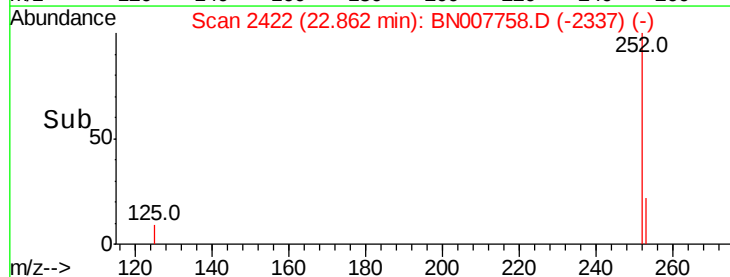
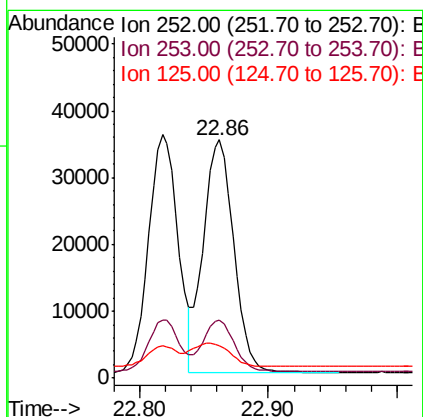
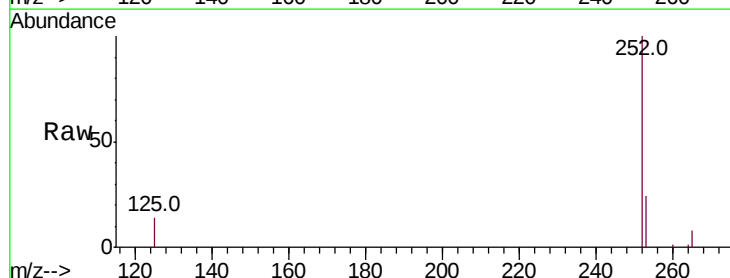
Tgt Ion:252 Resp: 57657

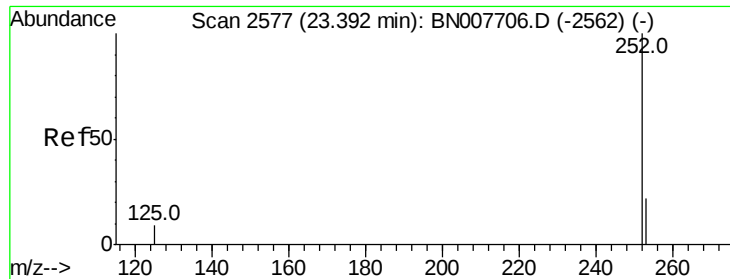
Ion Ratio Lower Upper

252 100

253 24.4 18.5 27.7

125 13.7 8.4 12.6#





#37

Benzo(a)pyrene

Concen: 0.390 ng

RT: 23.38 min Scan# 2574

Delta R.T. -0.01 min

Lab File: BN007758.D

Acq: 20 Sep 2019 01:20

Instrument :

BNA_N

ClientSampleId :

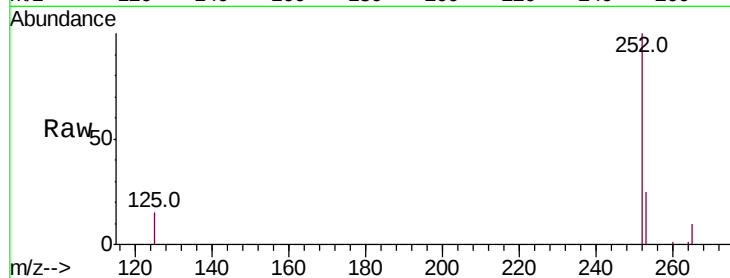
Tot Ion:252 Resp: 54165

Ion Ratio Lower Upper

252 100

253 24.8 18.6 27.8

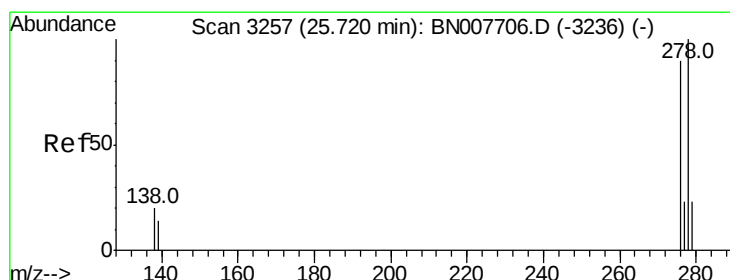
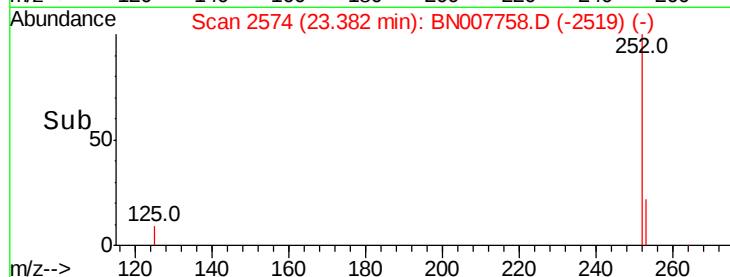
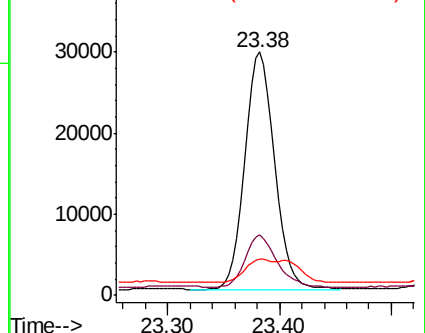
125 14.7 9.4 14.0#



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: 0.370 ng

RT: 25.71 min Scan# 3253

Delta R.T. -0.01 min

Lab File: BN007758.D

Acq: 20 Sep 2019 01:20

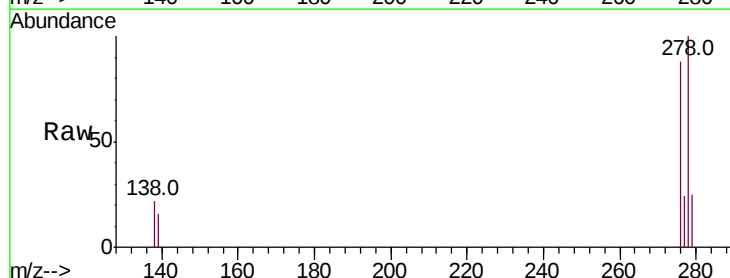
Tgt Ion:278 Resp: 52558

Ion Ratio Lower Upper

278 100

139 16.1 11.8 17.6

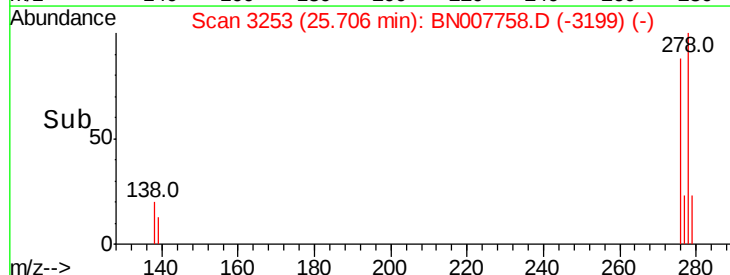
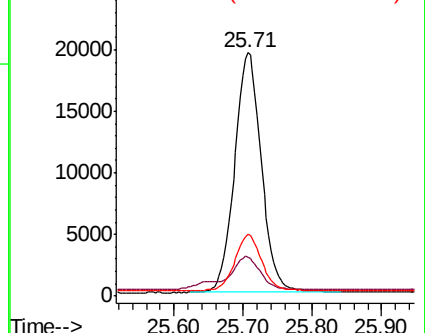
279 25.3 19.4 29.2

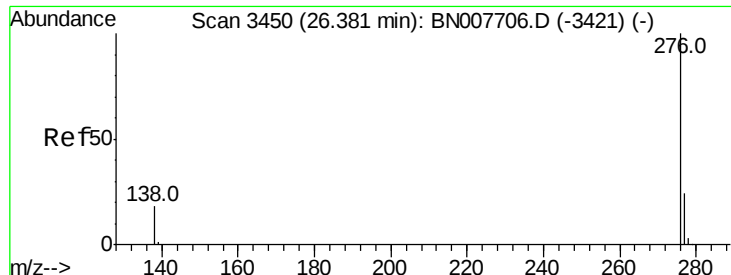


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.373 ng

RT: 26.37 min Scan# 3446

Delta R.T. -0.01 min

Lab File: BN007758.D

Acq: 20 Sep 2019 01:20

Instrument :

BNA_N

ClientSampleId :

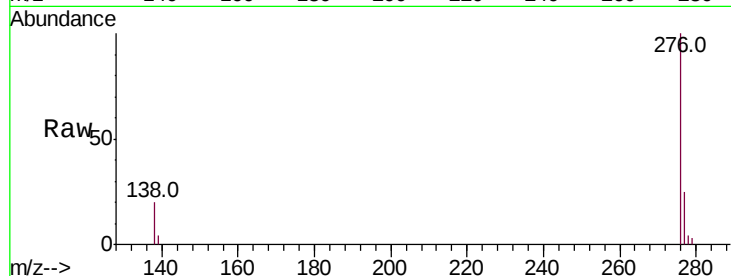
Tot Ion:276 Resp: 52437

Ion Ratio Lower Upper

276 100

277 25.1 19.8 29.8

138 20.4 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

