

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100419\
 Data File : BN008021.D
 Acq On : 05 Oct 2019 01:44
 Operator : JU
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 05 04:26:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 03 18:39:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	4580	0.40	ng	-0.02
7) Naphthalene-d8	10.46	136	17963	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	10541	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	21874	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	23365	0.40	ng	-0.01
34) Perylene-d12	23.47	264	26166	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.31	112	5942	0.38	ng	0.00
5) Phenol-d6	6.89	99	7596	0.39	ng	0.02
8) Nitrobenzene-d5	8.82	82	6385	0.41	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	12498	0.41	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	2530	0.44	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	17017	0.39	ng	-0.01
25) Fluoranthene-d10	19.10	212	30256	0.41	ng	0.00
29) Terphenyl-d14	19.70	244	25387	0.44	ng	-0.01

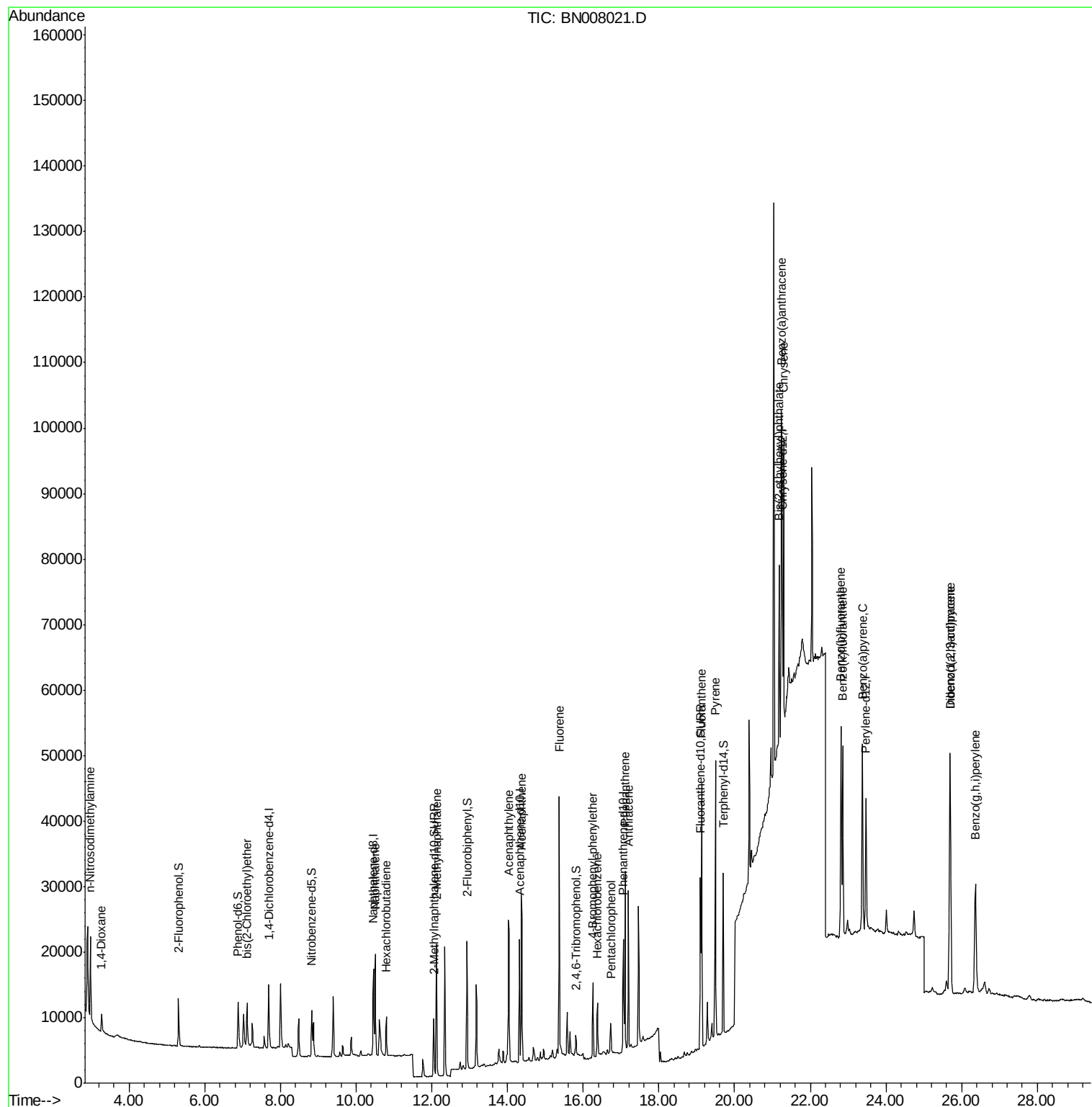
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.27	88	2133	0.418	ng	# 94
3) n-Nitrosodimethylamine	2.98	42	1508	0.645	ng	97
6) bis(2-Chloroethyl)ether	7.11	93	7235	0.558	ng	# 80
9) Naphthalene	10.51	128	20731	0.411	ng	99
10) Hexachlorobutadiene	10.80	225	4863	0.458	ng	# 99
12) 2-Methylnaphthalene	12.12	142	14338	0.421	ng	99
16) Acenaphthylene	14.02	152	32623	0.584	ng	99
17) Acenaphthene	14.37	154	14415	0.400	ng	97
18) Fluorene	15.36	166	20596	0.446	ng	97
20) 4-Bromophenyl-phenylether	16.25	248	5640	0.425	ng	# 81
21) Hexachlorobenzene	16.38	284	6233	0.429	ng	97
22) Pentachlorophenol	16.73	266	2742	0.512	ng	99
23) Phenanthrene	17.10	178	28764	0.422	ng	99
24) Anthracene	17.19	178	27357	0.445	ng	100
26) Fluoranthene	19.13	202	36234	0.428	ng	99
28) Pyrene	19.49	202	37335	0.469	ng	# 96
30) Benzo(a)anthracene	21.24	228	36659	0.426	ng	# 83
31) Chrysene	21.29	228	33824	0.403	ng	# 87
32) Bis(2-ethylhexyl)phthalate	21.17	149	18262	0.413	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.69	276	41296	0.393	ng	98
35) Benzo(b)fluoranthene	22.81	252	36228	0.399	ng	# 60
36) Benzo(k)fluoranthene	22.85	252	34577	0.385	ng	# 63
37) Benzo(a)pyrene	23.38	252	35222	0.413	ng	# 49
38) Dibenzo(a,h)anthracene	25.70	278	34084	0.390	ng	# 67
39) Benzo(g,h,i)perylene	26.36	276	34423	0.398	ng	# 74

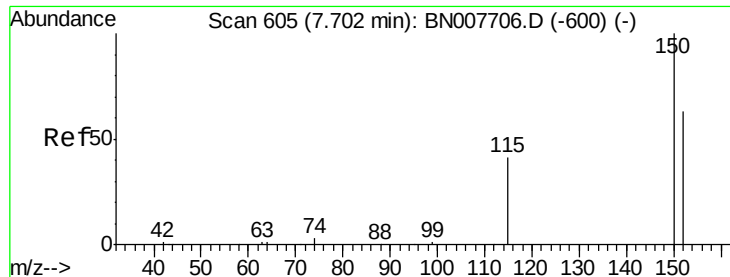
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100419\
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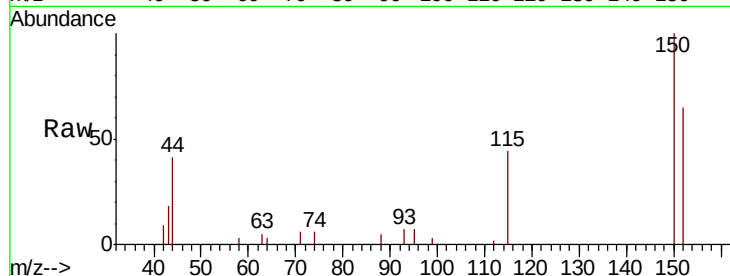


#1

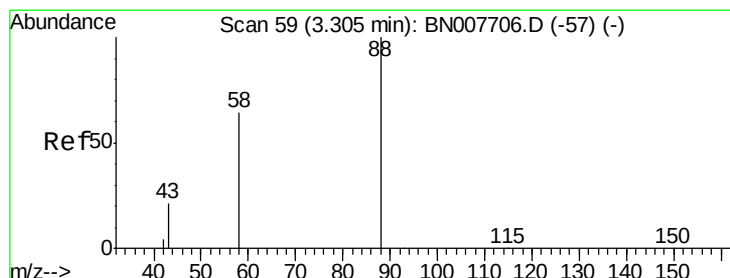
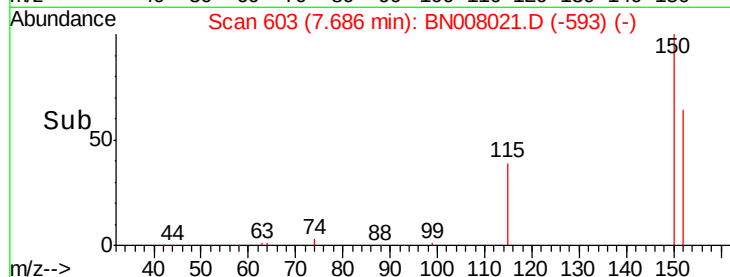
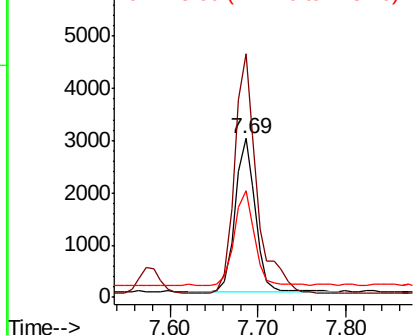
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 603
Delta R.T. -0.02 min
Lab File: BN008021.D
Acq: 05 Oct 2019 01:44

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 4580
Ion Ratio Lower Upper
152 100
150 153.0 125.6 188.4
115 66.7 53.3 79.9



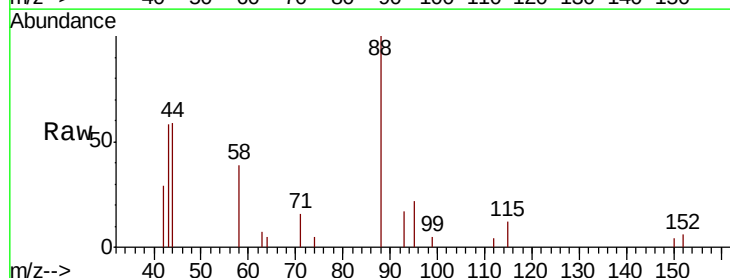
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



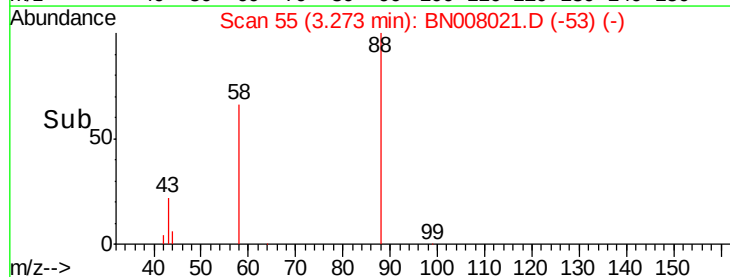
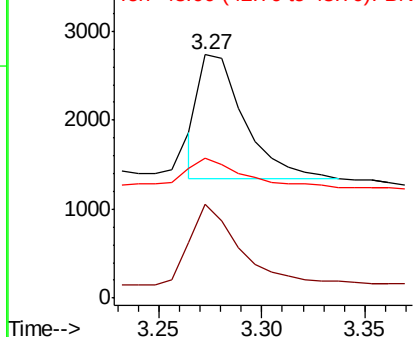
#2

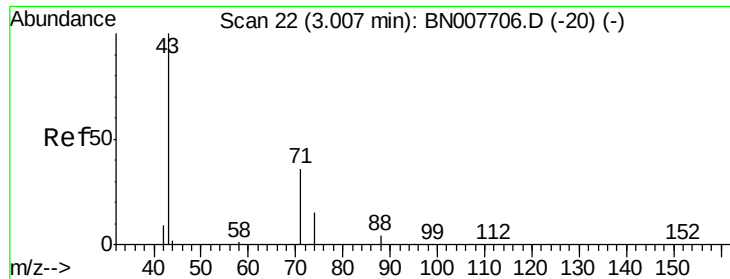
1,4-Dioxane
Concen: 0.418 ng
RT: 3.27 min Scan# 55
Delta R.T. -0.03 min
Lab File: BN008021.D
Acq: 05 Oct 2019 01:44

Tgt Ion: 88 Resp: 2133
Ion Ratio Lower Upper
88 100
58 52.1 44.6 66.8
43 22.4 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

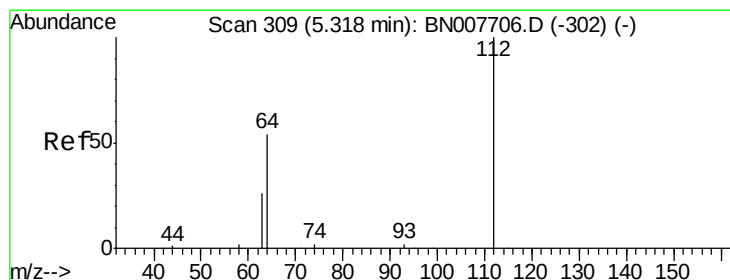
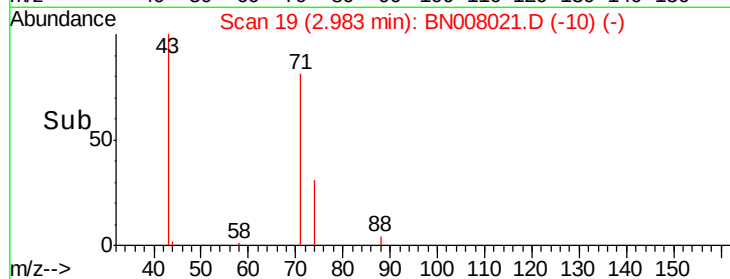
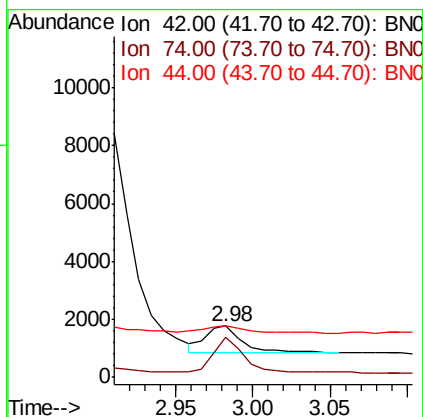
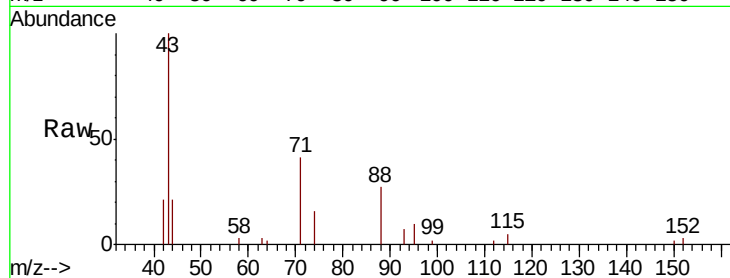




#3
n-Nitrosodimethylamine
Concen: 0.645 ng
RT: 2.98 min Scan# 19
Delta R.T. -0.02 min
Lab File: BN008021.D
Acq: 05 Oct 2019 01:44

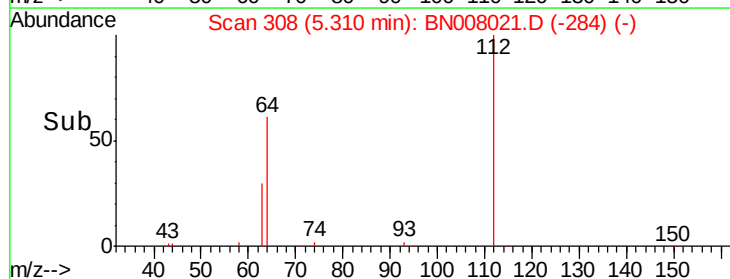
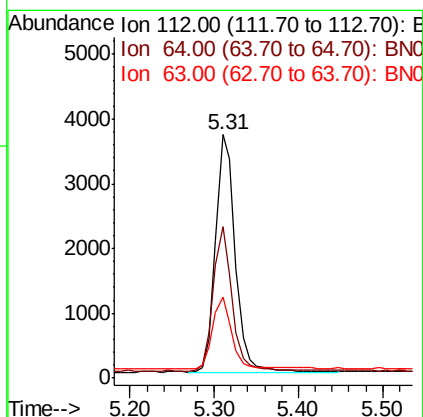
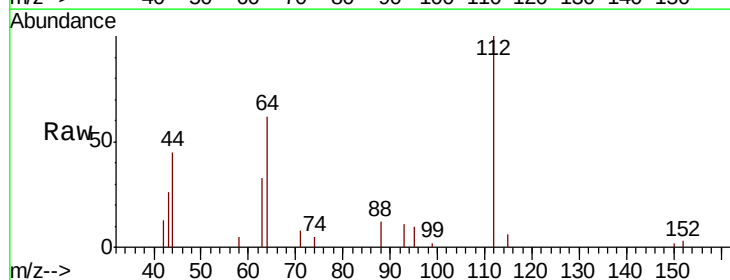
Instrument :
BNA_N
ClientSampleId :

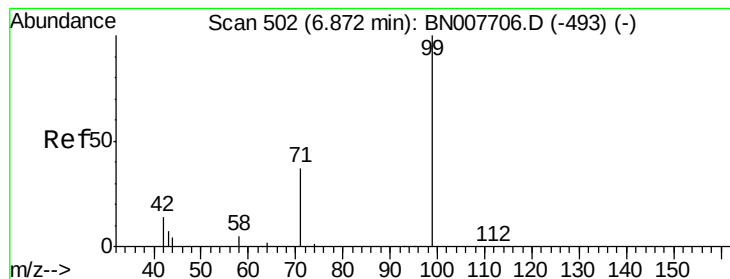
Tot Ion: 42 Resp: 1508
Ion Ratio Lower Upper
42 100
74 105.6 87.9 131.9
44 36.7 29.4 44.0



#4
2-Fluorophenol
Concen: 0.377 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN008021.D
Acq: 05 Oct 2019 01:44

Tgt Ion: 112 Resp: 5942
Ion Ratio Lower Upper
112 100
64 58.4 46.6 70.0
63 29.1 23.1 34.7





#5

Phenol-d6

Concen: 0.386 ng

RT: 6.89 min Scan# 504

Delta R.T. 0.02 min

Lab File: BN008021.D

Acq: 05 Oct 2019 01:44

Instrument :

BNA_N

ClientSampled :

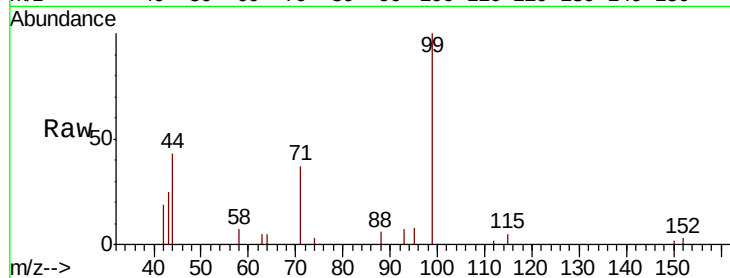
Tot Ion: 99 Resp: 7596

Ion Ratio Lower Upper

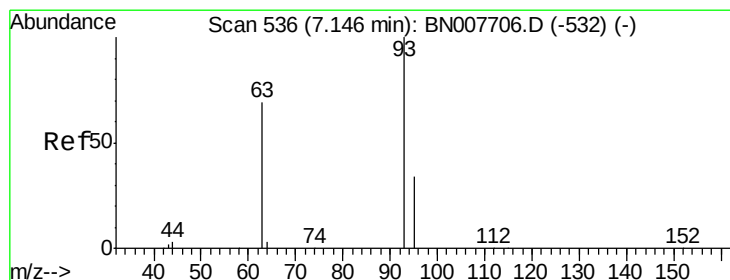
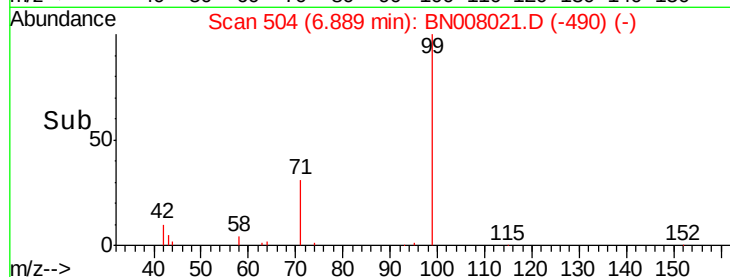
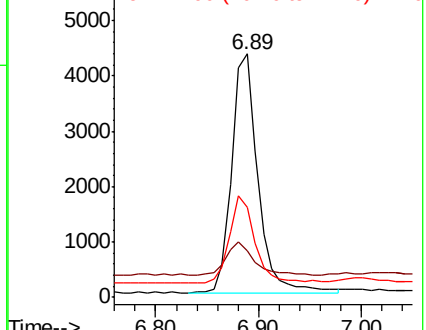
99 100

42 14.7 12.8 19.2

71 36.6 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: 0.558 ng

RT: 7.11 min Scan# 532

Delta R.T. -0.03 min

Lab File: BN008021.D

Acq: 05 Oct 2019 01:44

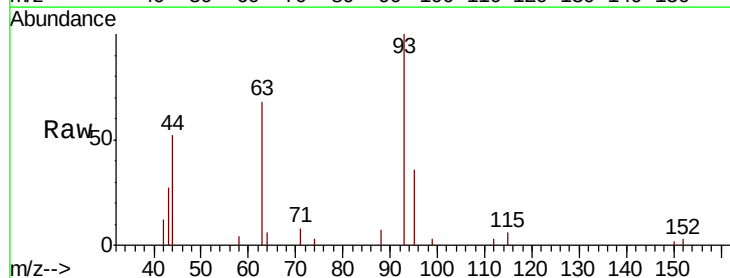
Tgt Ion: 93 Resp: 7235

Ion Ratio Lower Upper

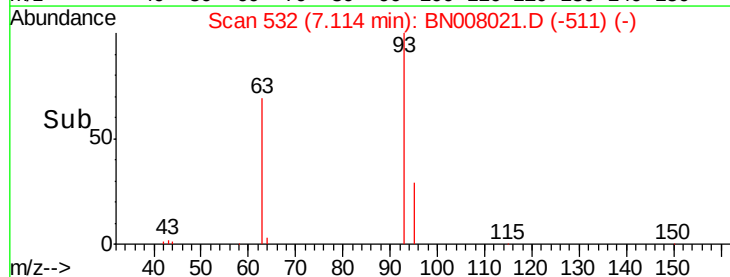
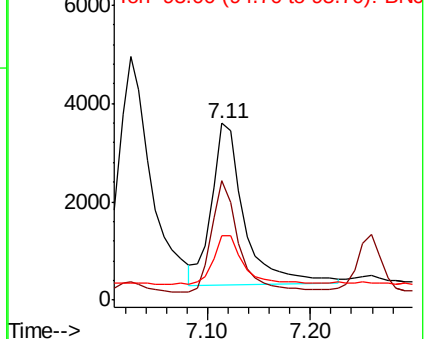
93 100

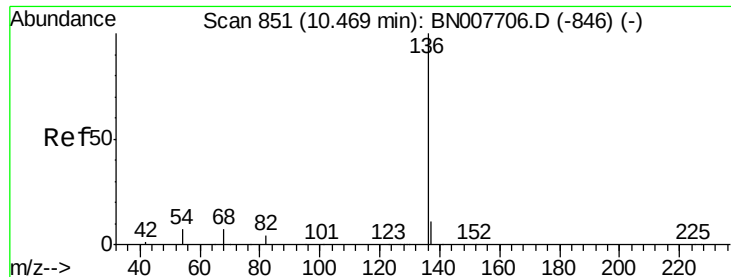
63 57.5 59.3 88.9#

95 27.4 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: BN008021.D

Acq: 05 Oct 2019 01:44

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 17963

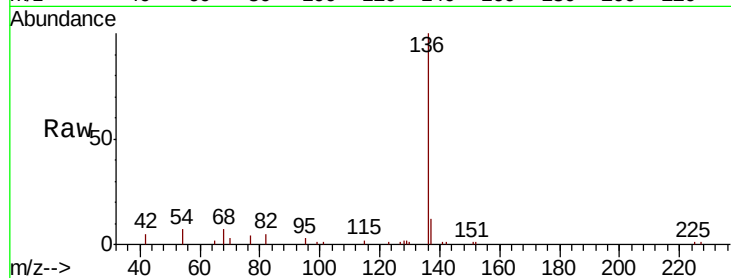
Ion Ratio Lower Upper

136 100

137 11.9 9.2 13.8

54 6.6 5.8 8.8

68 7.3 6.5 9.7

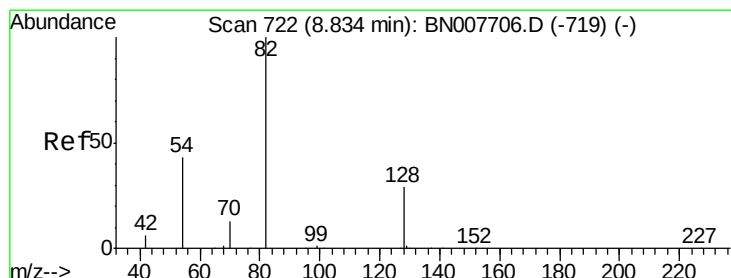
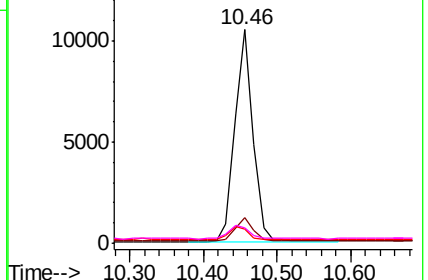
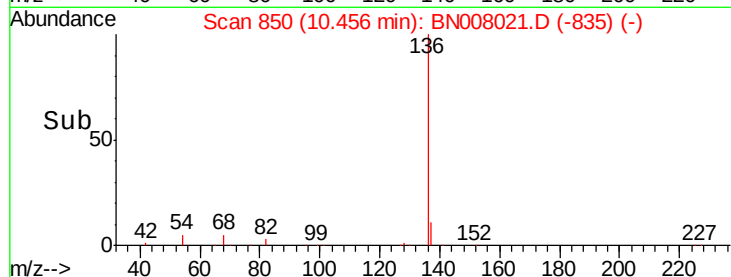


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.406 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN008021.D

Acq: 05 Oct 2019 01:44

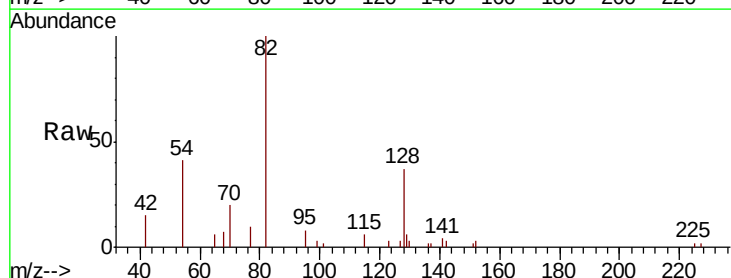
Tgt Ion: 82 Resp: 6385

Ion Ratio Lower Upper

82 100

128 36.8 24.5 36.7#

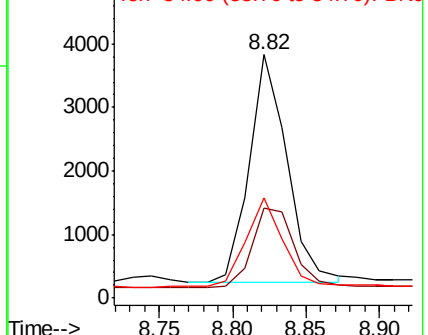
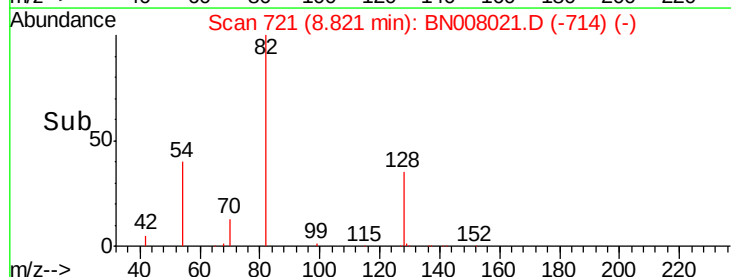
54 41.0 35.2 52.8

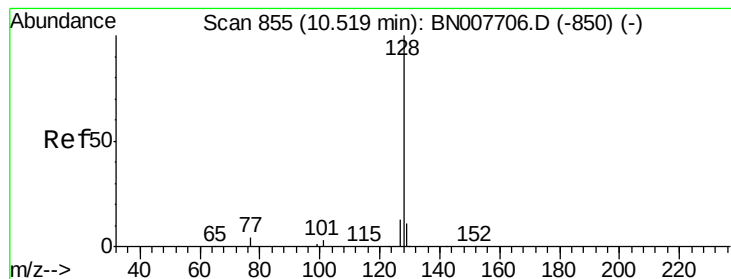


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.411 ng

RT: 10.51 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN008021.D

Acq: 05 Oct 2019 01:44

Instrument :

BNA_N

ClientSampleId :

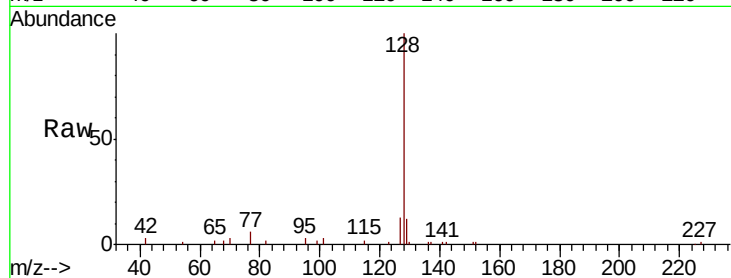
Tot Ion:128 Resp: 20731

Ion Ratio Lower Upper

128 100

129 12.4 9.1 13.7

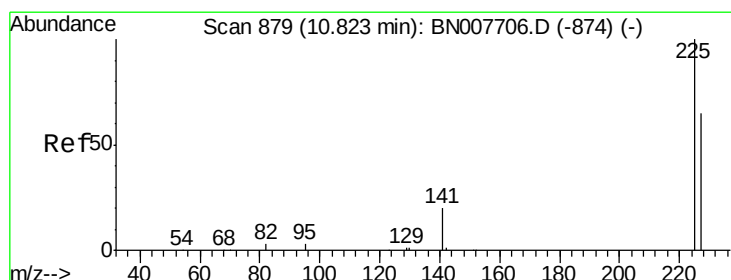
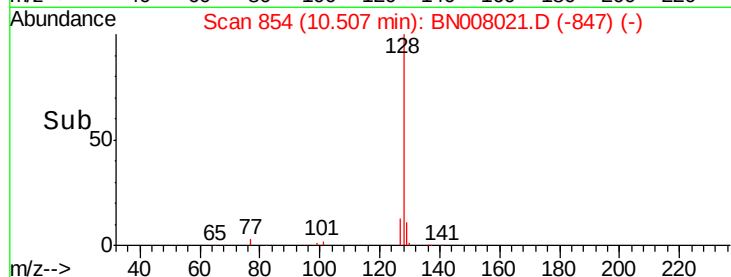
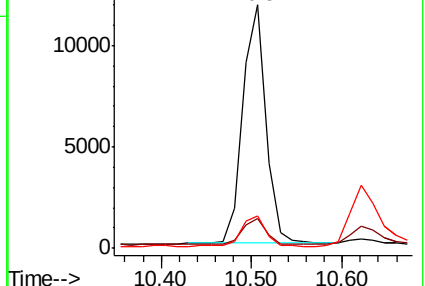
127 13.4 10.6 15.8



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: 0.458 ng

RT: 10.80 min Scan# 877

Delta R.T. -0.03 min

Lab File: BN008021.D

Acq: 05 Oct 2019 01:44

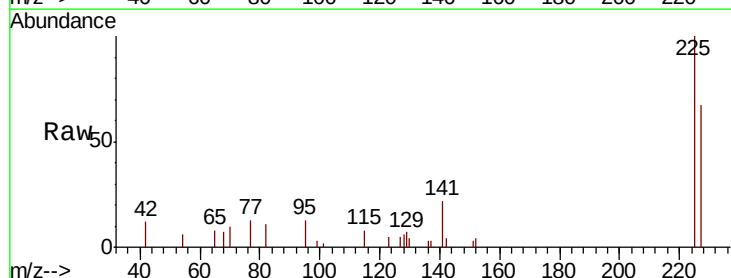
Tgt Ion:225 Resp: 4863

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

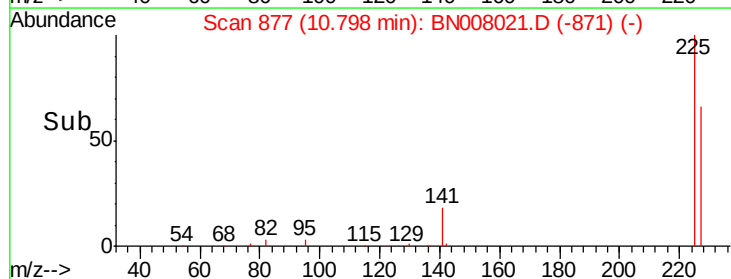
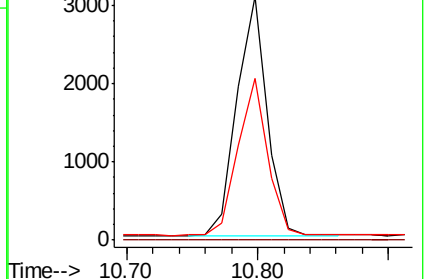
227 64.8 51.2 76.8

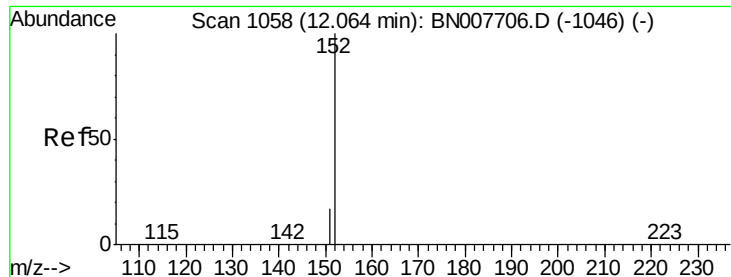


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

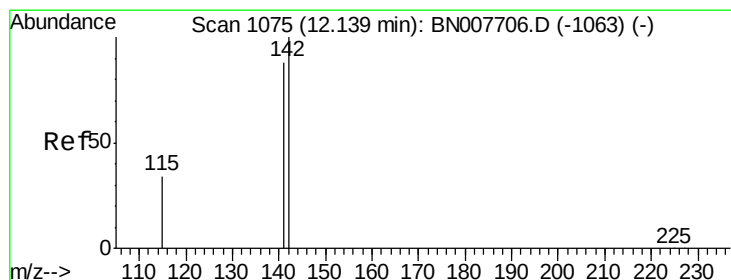
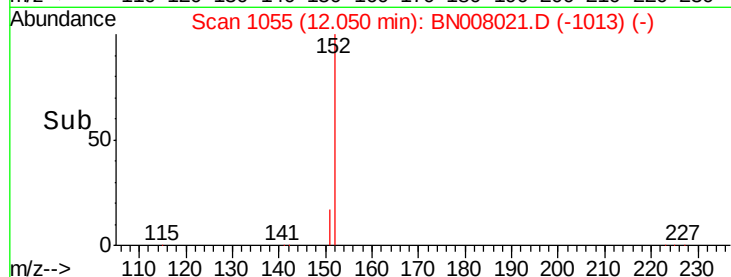
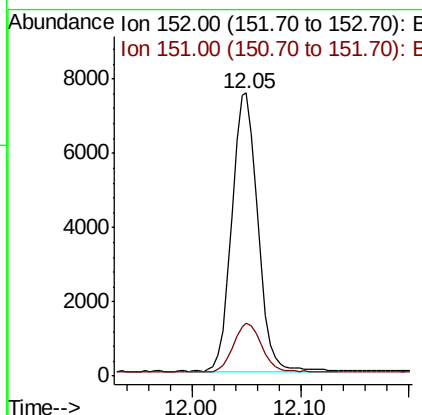
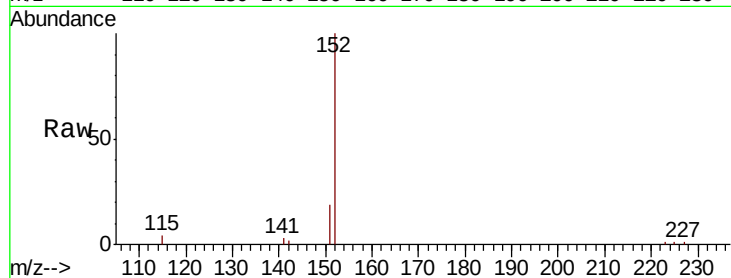




#11
 2-Methylnaphthalene-d10
 Concen: 0.413 ng
 RT: 12.05 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: BN008021.D
 Acq: 05 Oct 2019 01:44

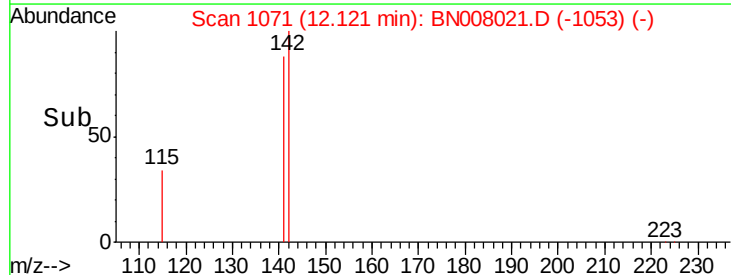
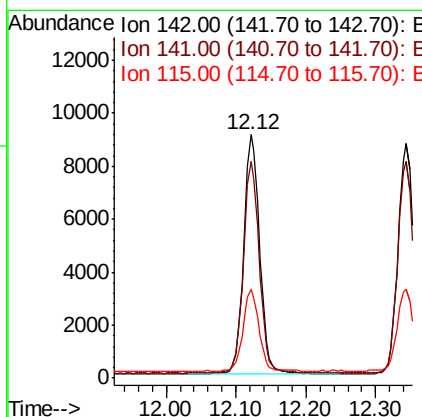
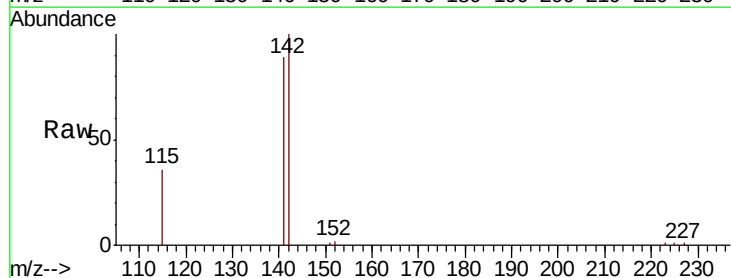
Instrument :
 BNA_N
 ClientSampleId :

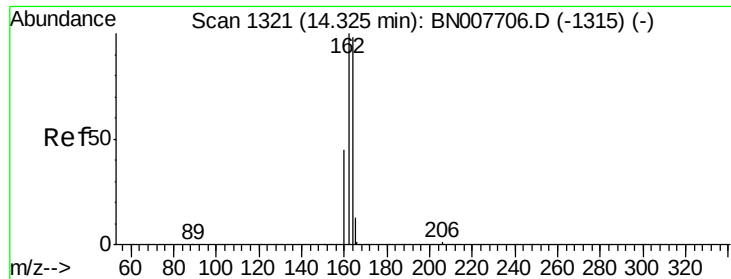
Tot Ion:152 Resp: 12498
 Ion Ratio Lower Upper
 152 100
 151 19.5 15.4 23.2



#12
 2-Methylnaphthalene
 Concen: 0.421 ng
 RT: 12.12 min Scan# 1071
 Delta R.T. -0.02 min
 Lab File: BN008021.D
 Acq: 05 Oct 2019 01:44

Tgt Ion:142 Resp: 14338
 Ion Ratio Lower Upper
 142 100
 141 88.9 70.6 106.0
 115 36.3 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: BN008021.D

Acq: 05 Oct 2019 01:44

Instrument :

BNA_N

ClientSampleId :

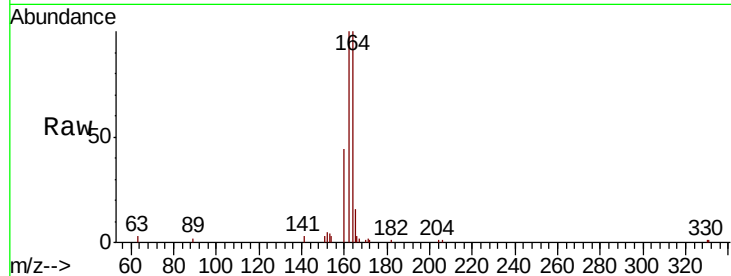
Tot Ion:164 Resp: 10541

Ion Ratio Lower Upper

164 100

162 100.1 81.7 122.5

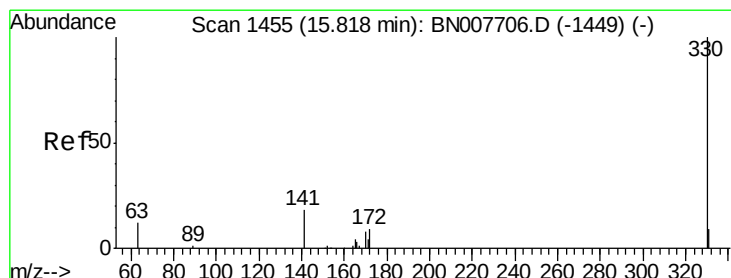
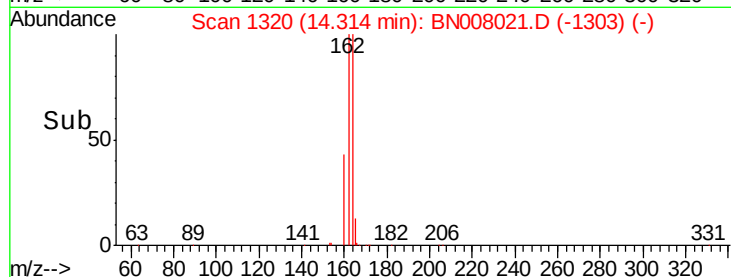
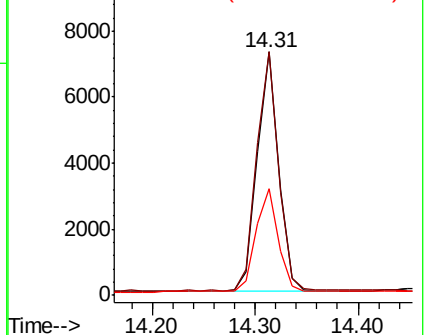
160 44.1 37.0 55.4



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: 0.441 ng

RT: 15.81 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BN008021.D

Acq: 05 Oct 2019 01:44

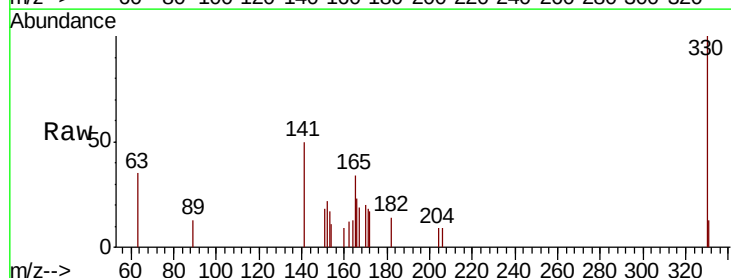
Tgt Ion:330 Resp: 2530

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

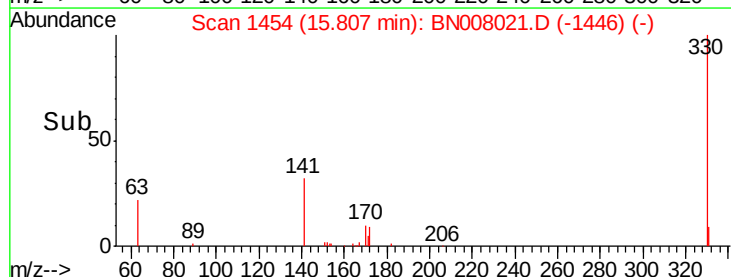
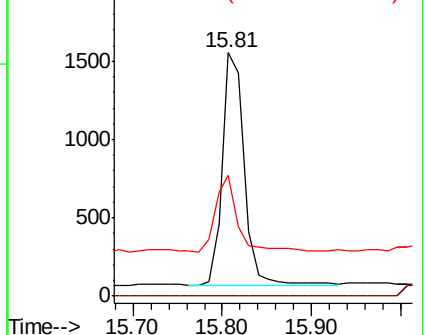
141 32.4 28.7 43.1

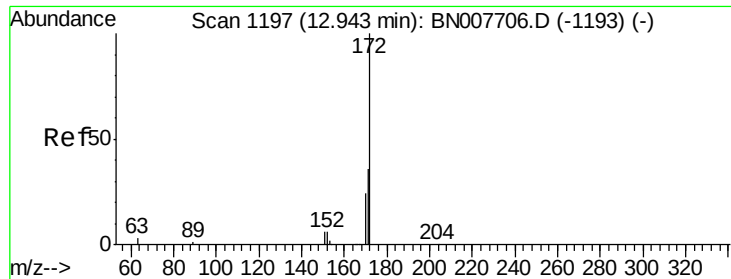


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

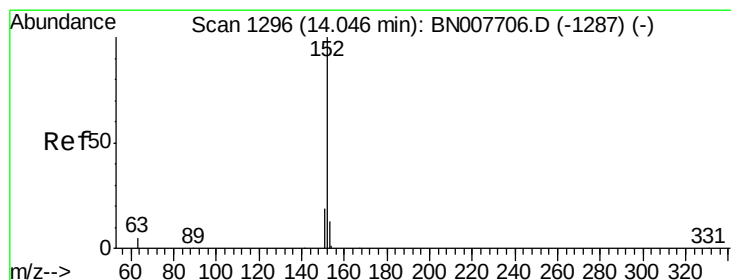
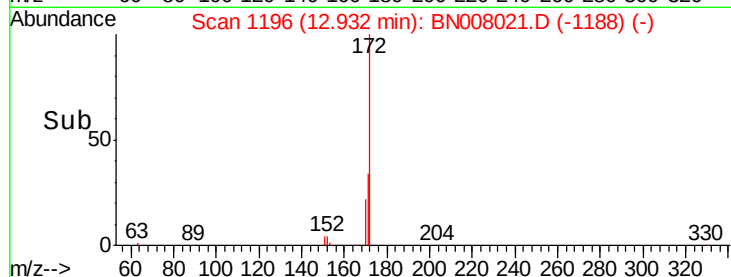
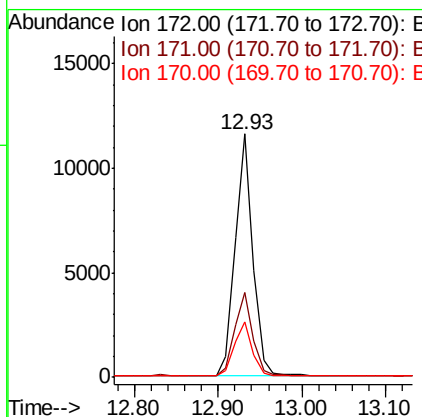
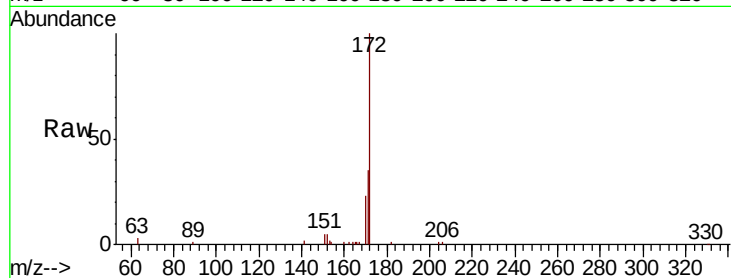




#15
2-Fluorobiphenyl
Concen: 0.392 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN008021.D
Acq: 05 Oct 2019 01:44

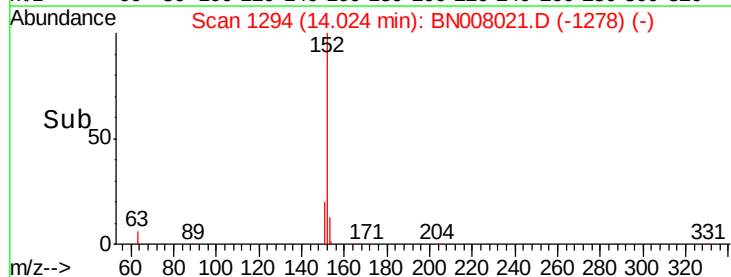
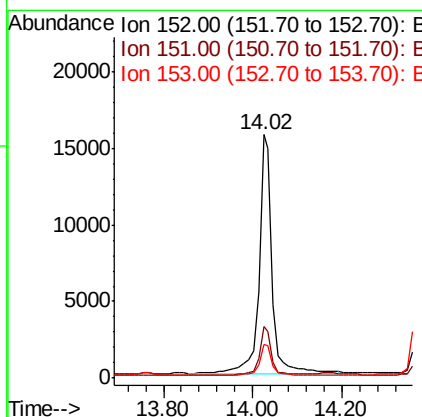
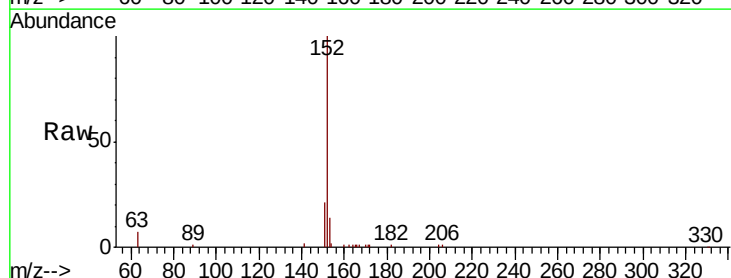
Instrument :
BNA_N
ClientSampleId :

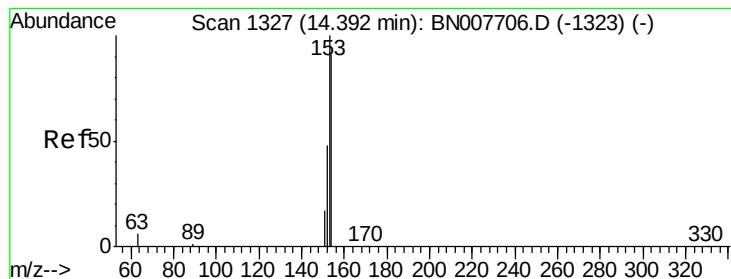
Tot Ion:172 Resp: 17017
Ion Ratio Lower Upper
172 100
171 35.1 28.8 43.2
170 22.9 19.5 29.3



#16
Acenaphthylene
Concen: 0.584 ng
RT: 14.02 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN008021.D
Acq: 05 Oct 2019 01:44

Tgt Ion:152 Resp: 32623
Ion Ratio Lower Upper
152 100
151 19.7 15.5 23.3
153 12.8 10.4 15.6





#17

Acenaphthene

Concen: 0.400 ng

RT: 14.37 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BN008021.D

Acq: 05 Oct 2019 01:44

Instrument :

BNA_N

ClientSampled :

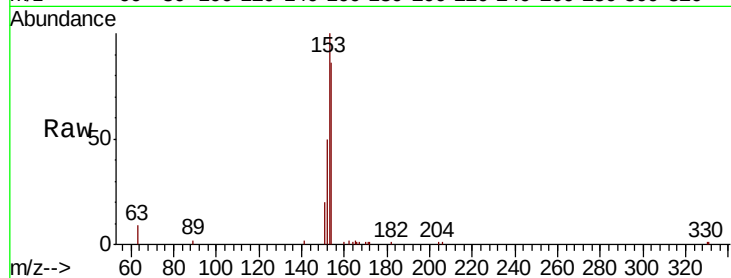
Tot Ion:154 Resp: 14415

Ion Ratio Lower Upper

154 100

153 113.5 87.0 130.4

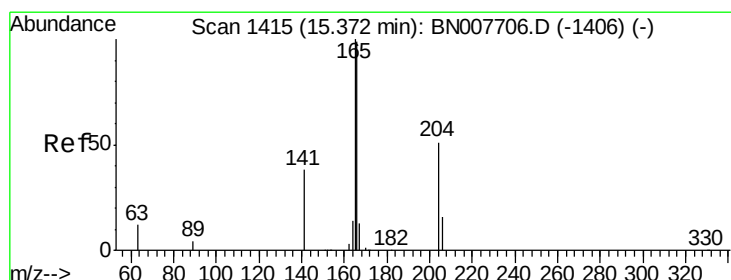
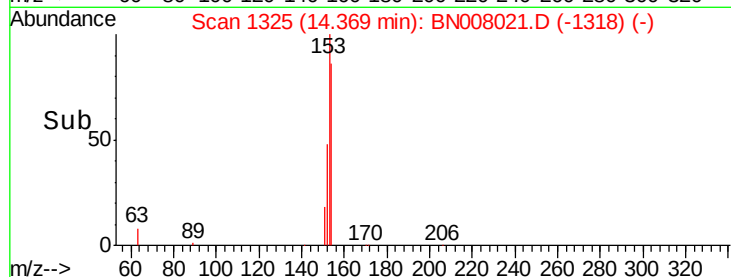
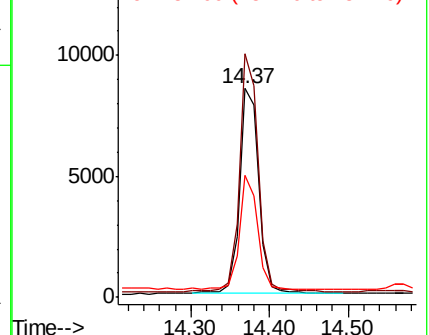
152 53.9 42.7 64.1



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: 0.446 ng

RT: 15.36 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BN008021.D

Acq: 05 Oct 2019 01:44

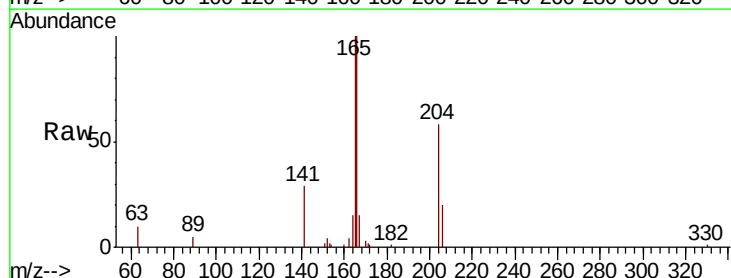
Tgt Ion:166 Resp: 20596

Ion Ratio Lower Upper

166 100

165 94.5 78.0 117.0

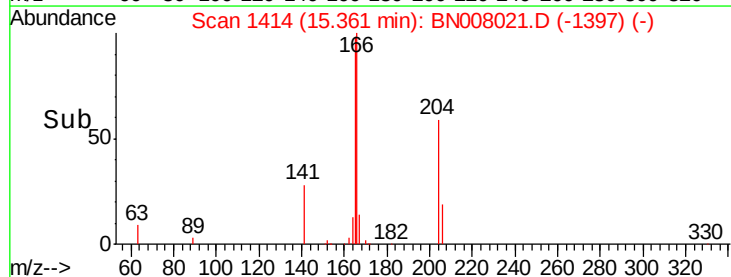
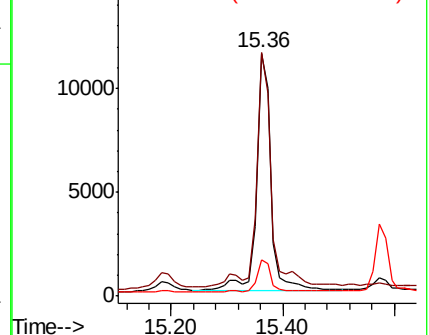
167 12.7 10.9 16.3

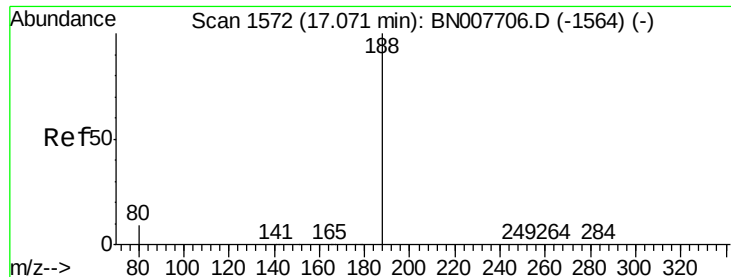


Abundance Ion 166.00 (165.70 to 166.70): E

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: BN008021.D

Acq: 05 Oct 2019 01:44

Instrument :

BNA_N

ClientSampleId :

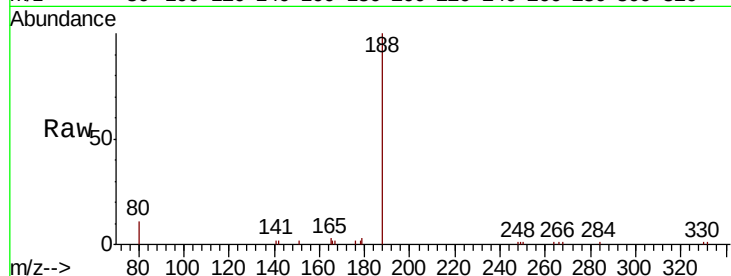
Tot Ion:188 Resp: 21874

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

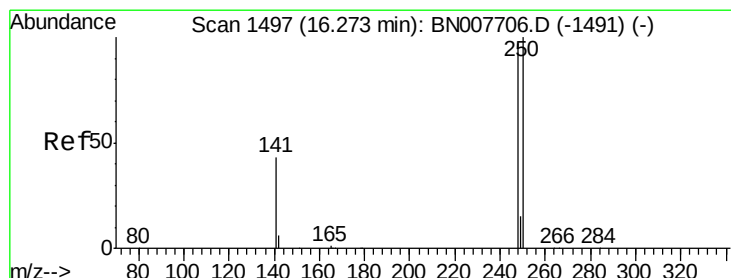
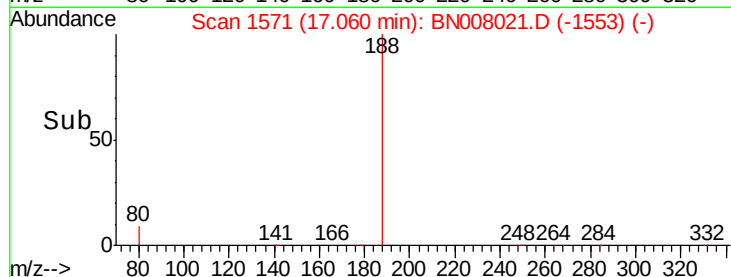
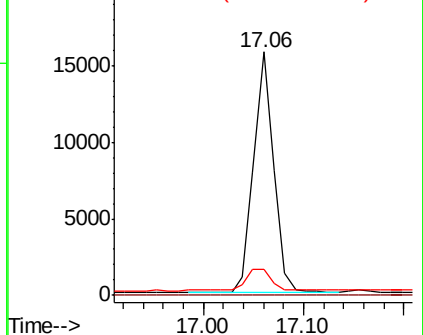
80 10.9 7.4 11.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.425 ng

RT: 16.25 min Scan# 1495

Delta R.T. -0.02 min

Lab File: BN008021.D

Acq: 05 Oct 2019 01:44

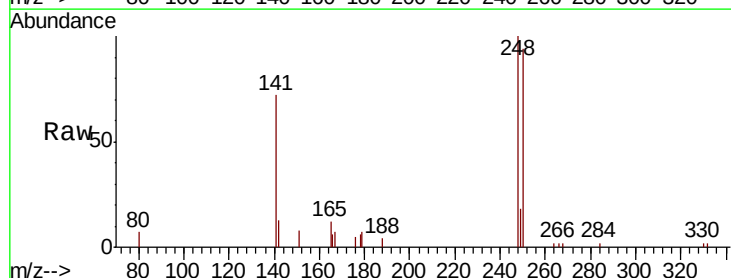
Tgt Ion:248 Resp: 5640

Ion Ratio Lower Upper

248 100

250 93.7 82.2 123.4

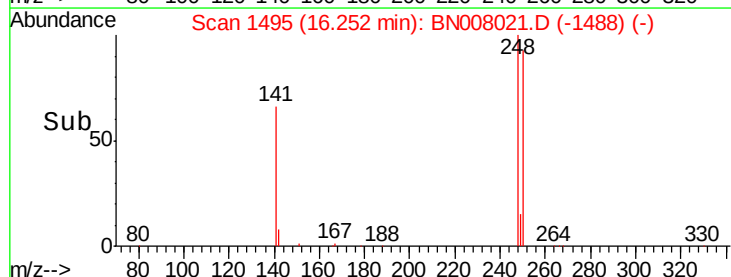
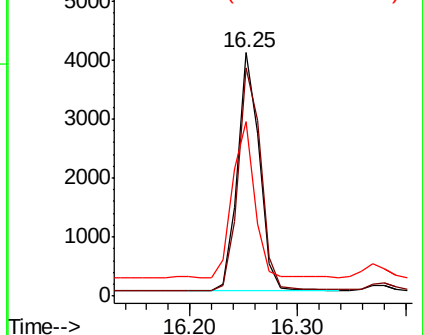
141 71.9 36.3 54.5#

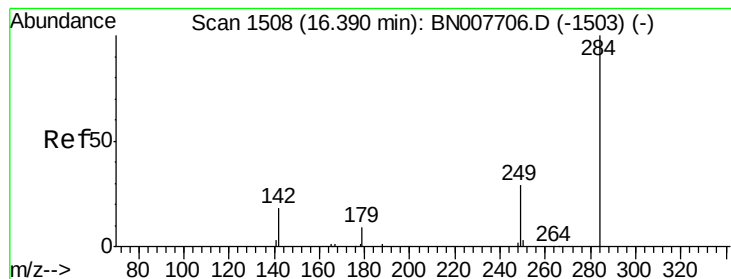


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.429 ng

RT: 16.38 min Scan# 1507

Delta R.T. -0.01 min

Lab File: BN008021.D

Acq: 05 Oct 2019 01:44

Instrument :

BNA_N

ClientSampleId :

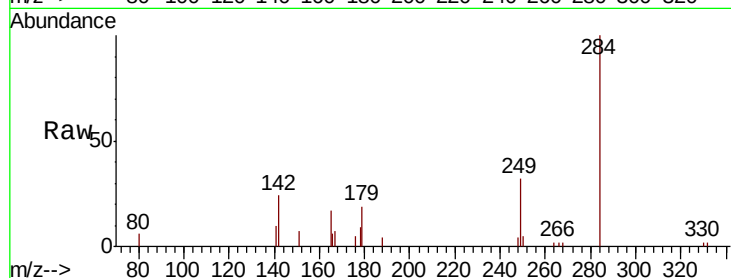
Tot Ion:284 Resp: 6233

Ion Ratio Lower Upper

284 100

142 29.5 25.8 38.6

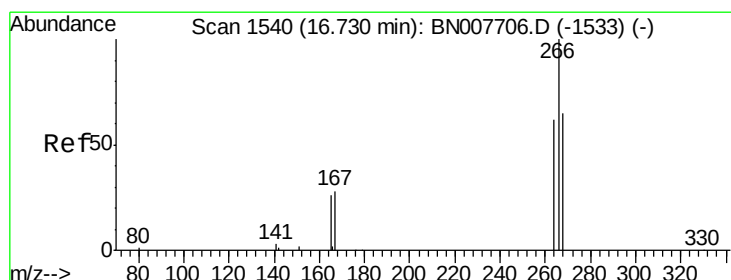
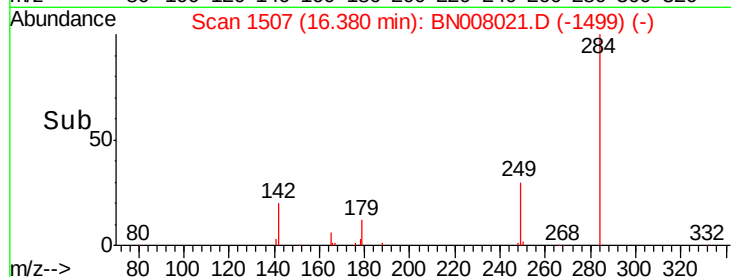
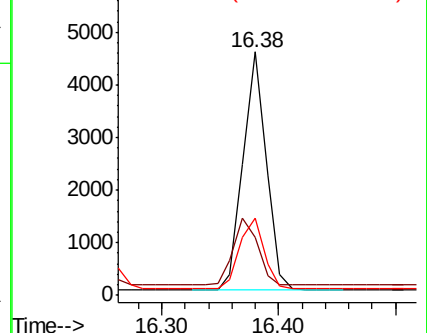
249 31.9 25.9 38.9



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: 0.512 ng

RT: 16.73 min Scan# 1540

Delta R.T. -0.00 min

Lab File: BN008021.D

Acq: 05 Oct 2019 01:44

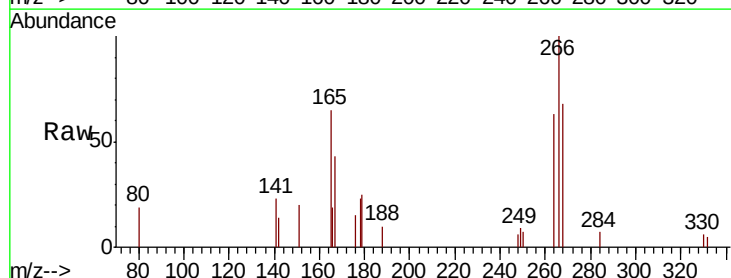
Tgt Ion:266 Resp: 2742

Ion Ratio Lower Upper

266 100

264 63.2 50.0 75.0

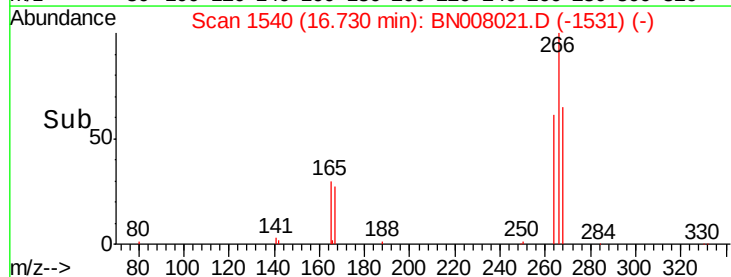
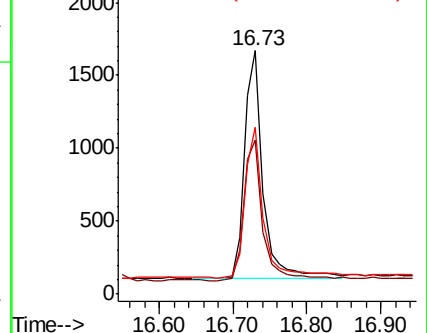
268 68.4 54.2 81.4

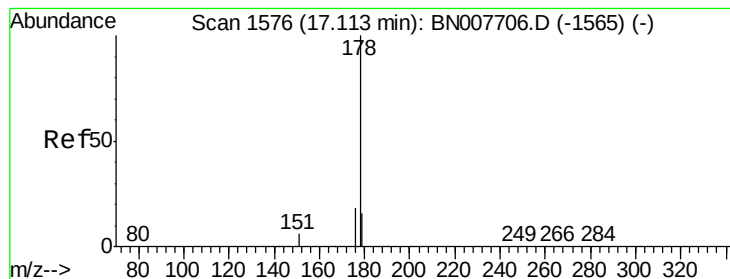


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.422 ng

RT: 17.10 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BN008021.D

Acq: 05 Oct 2019 01:44

Instrument :

BNA_N

ClientSampled :

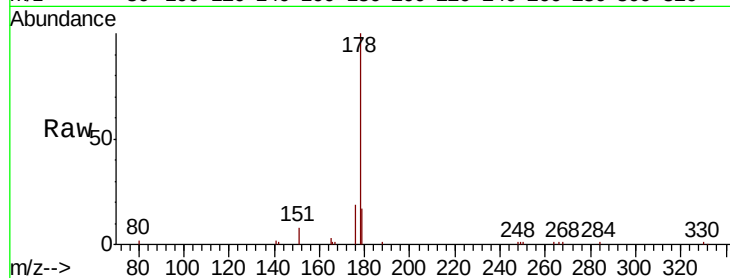
Tot Ion:178 Resp: 28764

Ion Ratio Lower Upper

178 100

176 18.5 14.9 22.3

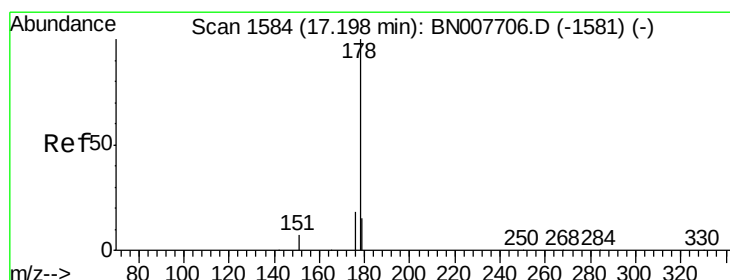
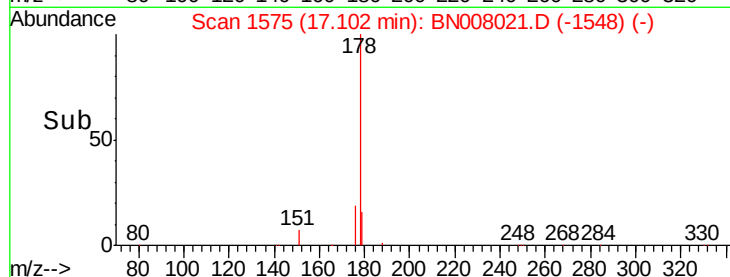
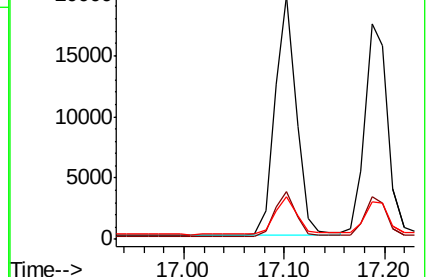
179 16.9 12.5 18.7



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: 0.445 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BN008021.D

Acq: 05 Oct 2019 01:44

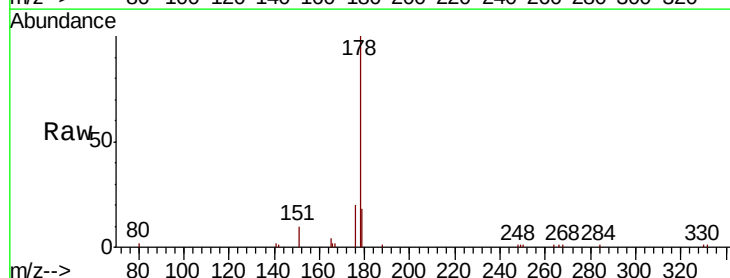
Tgt Ion:178 Resp: 27357

Ion Ratio Lower Upper

178 100

176 17.9 14.6 21.8

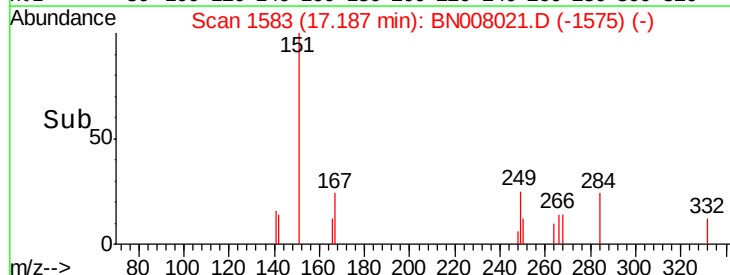
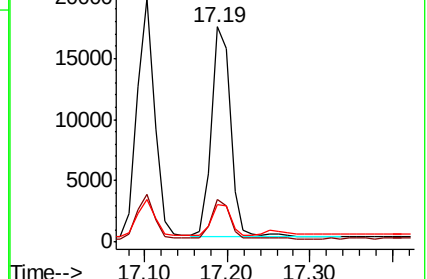
179 15.3 12.2 18.4

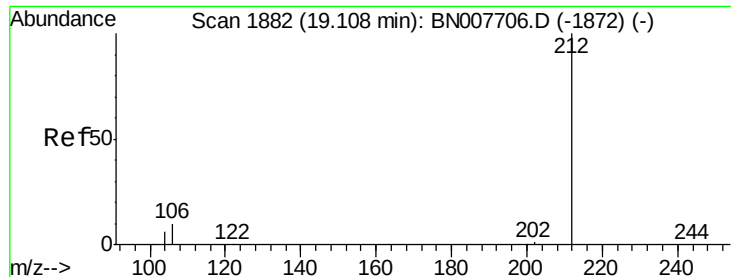


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.410 ng

RT: 19.10 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BN008021.D

Acq: 05 Oct 2019 01:44

Instrument :

BNA_N

ClientSampleId :

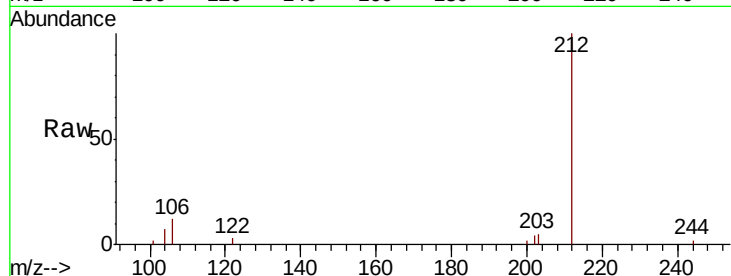
Tot Ion:212 Resp: 30256

Ion Ratio Lower Upper

212 100

106 11.2 9.4 14.0

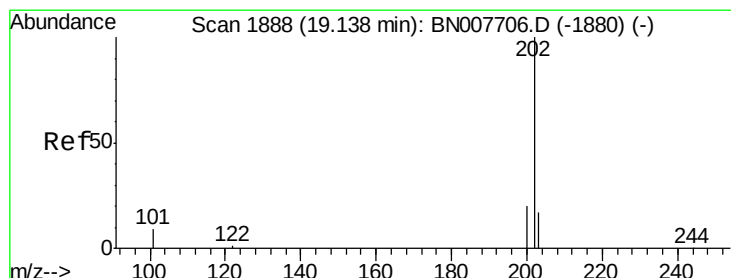
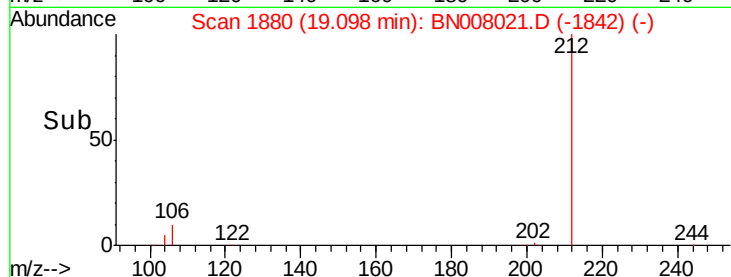
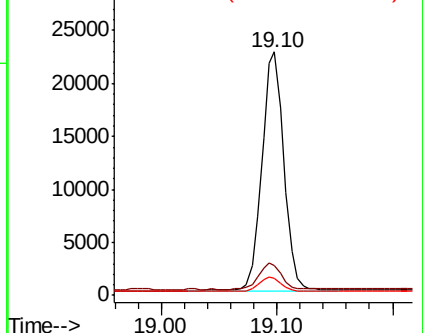
104 6.3 5.3 7.9



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: 0.428 ng

RT: 19.13 min Scan# 1886

Delta R.T. -0.01 min

Lab File: BN008021.D

Acq: 05 Oct 2019 01:44

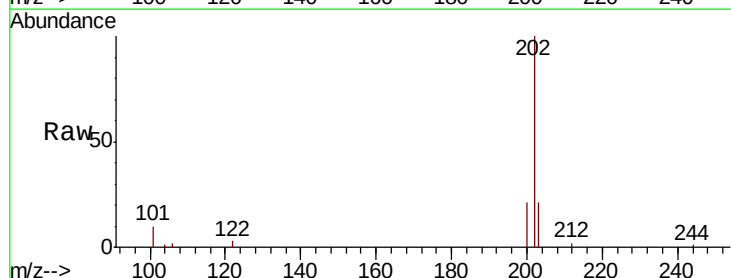
Tgt Ion:202 Resp: 36234

Ion Ratio Lower Upper

202 100

101 10.0 8.4 12.6

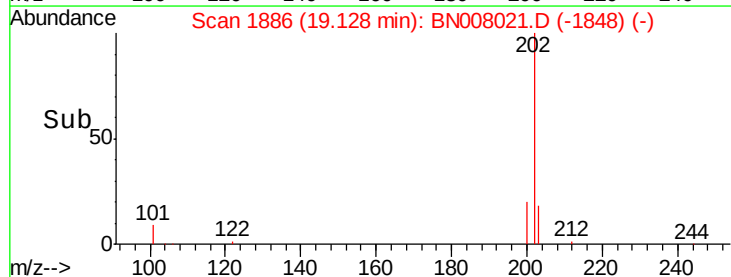
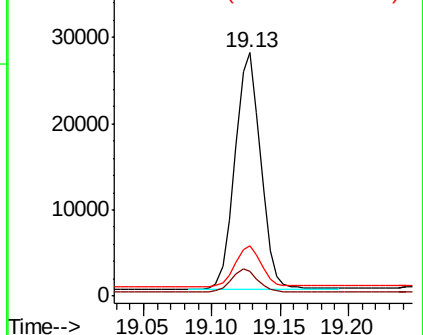
203 17.5 13.8 20.8

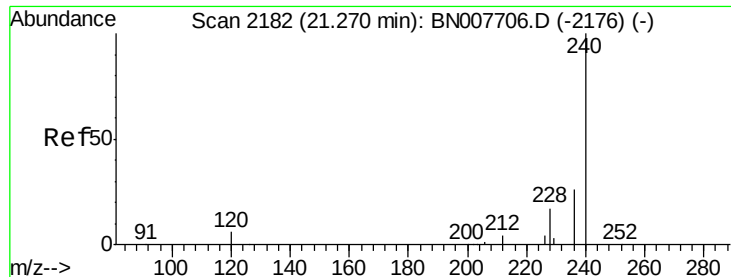


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.26 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BN008021.D

Acq: 05 Oct 2019 01:44

Instrument :

BNA_N

ClientSampleId :

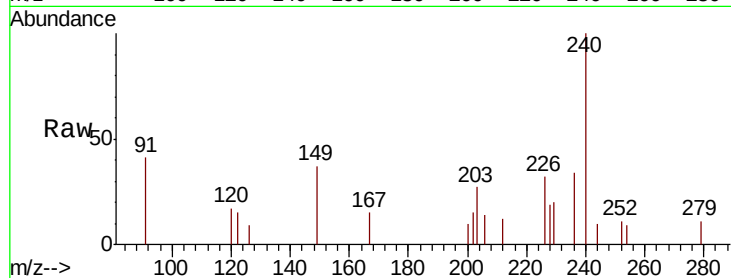
Tot Ion:240 Resp: 23365

Ion Ratio Lower Upper

240 100

120 17.1 5.4 8.2#

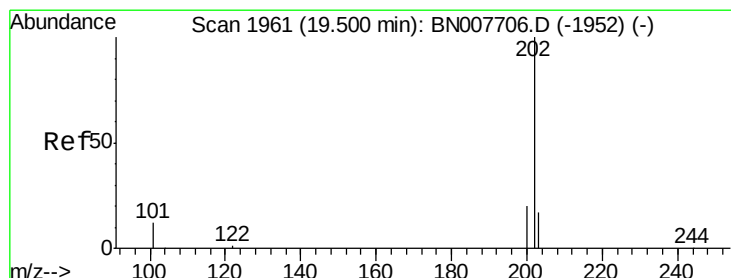
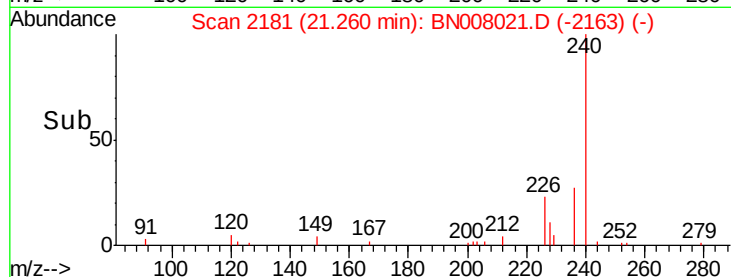
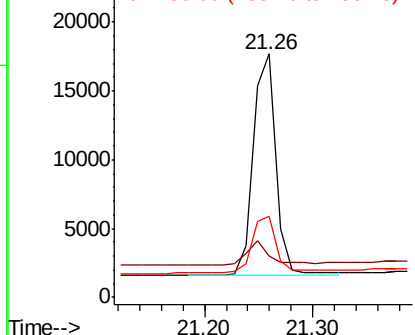
236 33.5 21.0 31.4#



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: 0.469 ng

RT: 19.49 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BN008021.D

Acq: 05 Oct 2019 01:44

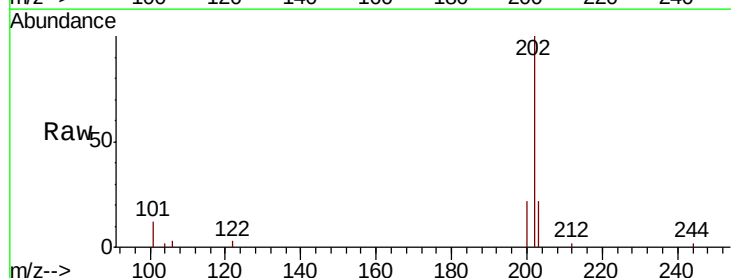
Tgt Ion:202 Resp: 37335

Ion Ratio Lower Upper

202 100

200 20.7 16.4 24.6

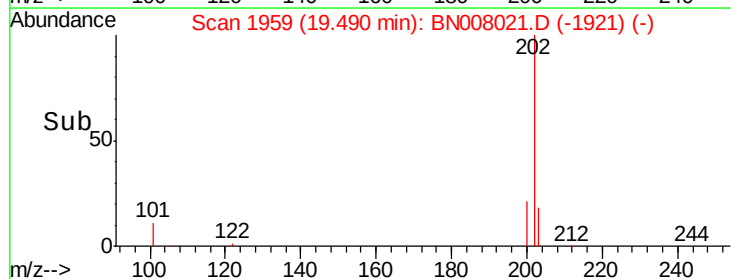
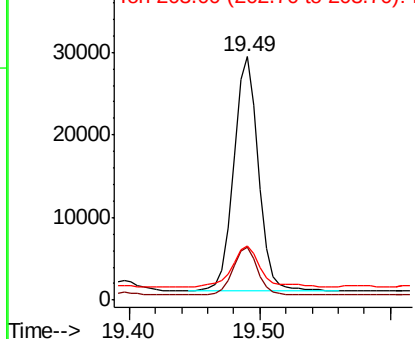
203 21.3 14.1 21.1#

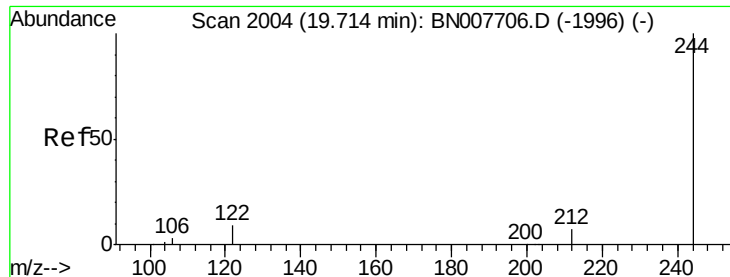


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.442 ng

RT: 19.70 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BN008021.D

Acq: 05 Oct 2019 01:44

Instrument :

BNA_N

ClientSampleId :

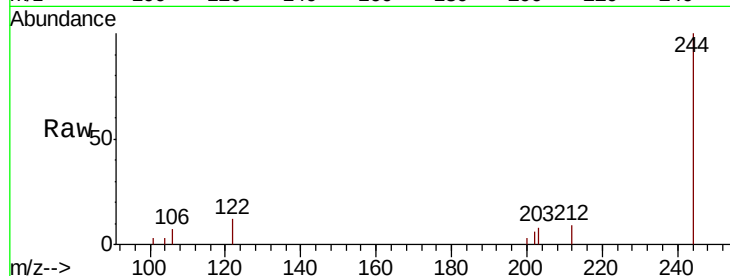
Tot Ion:244 Resp: 25387

Ion Ratio Lower Upper

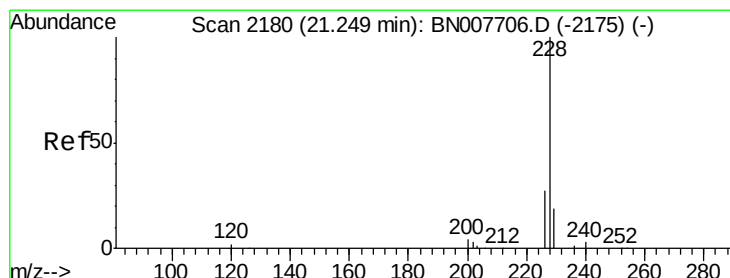
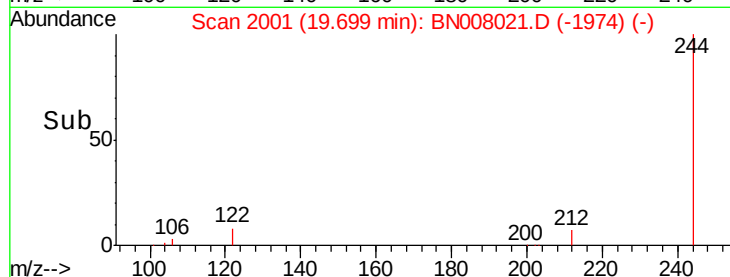
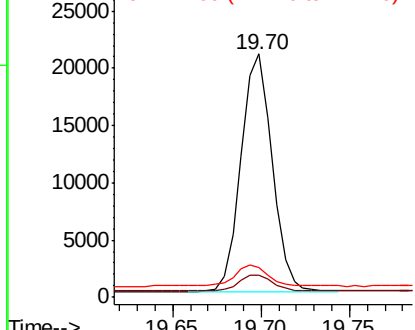
244 100

212 9.3 5.9 8.9#

122 12.4 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: 0.426 ng

RT: 21.24 min Scan# 2179

Delta R.T. -0.01 min

Lab File: BN008021.D

Acq: 05 Oct 2019 01:44

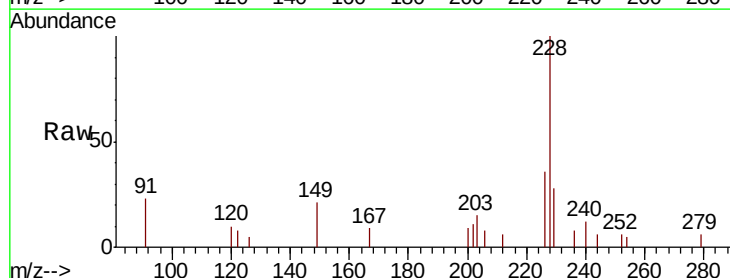
Tgt Ion:228 Resp: 36659

Ion Ratio Lower Upper

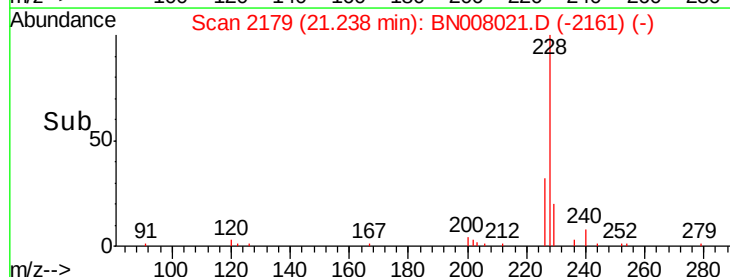
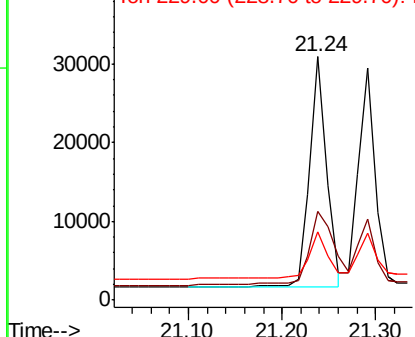
228 100

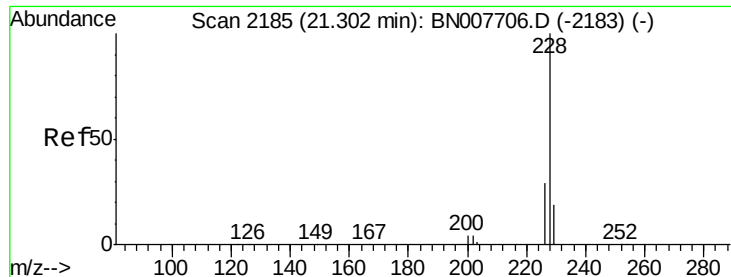
226 36.2 22.1 33.1#

229 27.9 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: 0.403 ng

RT: 21.29 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BN008021.D

Acq: 05 Oct 2019 01:44

Instrument :

BNA_N

ClientSampleId :

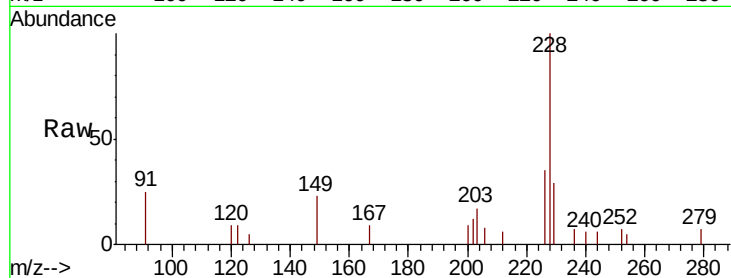
Tot Ion:228 Resp: 33824

Ion Ratio Lower Upper

228 100

226 34.8 23.9 35.9

229 28.8 15.8 23.6#

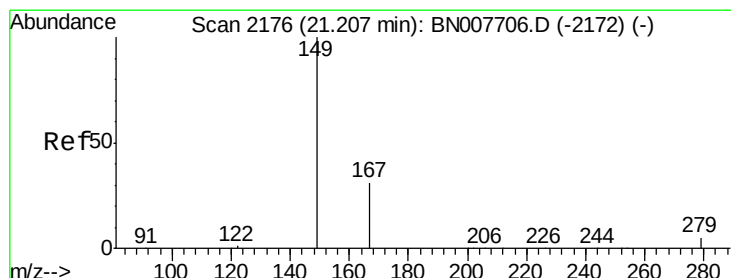
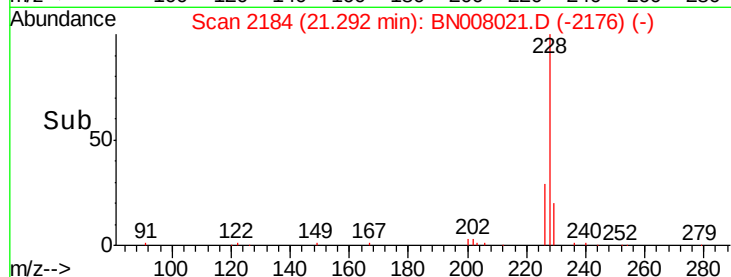
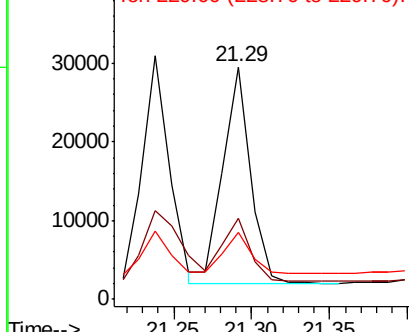


Abundance

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: 0.413 ng

RT: 21.17 min Scan# 2173

Delta R.T. -0.03 min

Lab File: BN008021.D

Acq: 05 Oct 2019 01:44

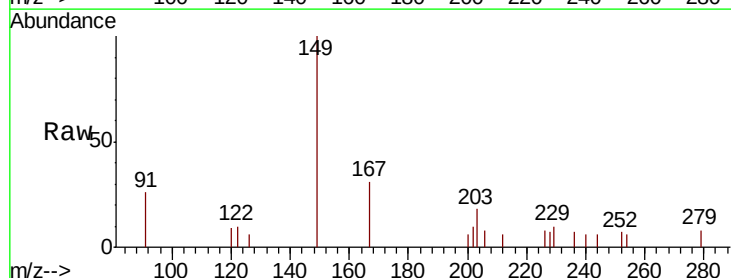
Tgt Ion:149 Resp: 18262

Ion Ratio Lower Upper

149 100

167 29.8 23.7 35.5

279 7.0 4.2 6.2#

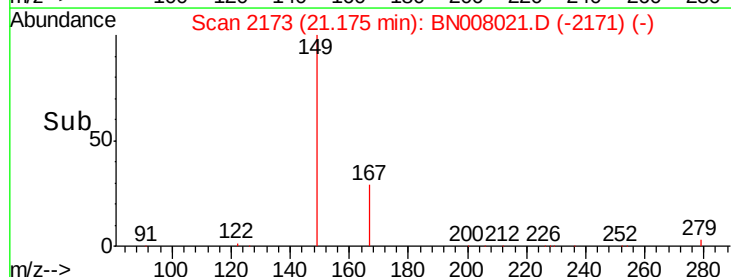
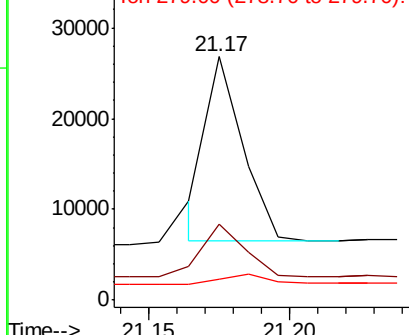


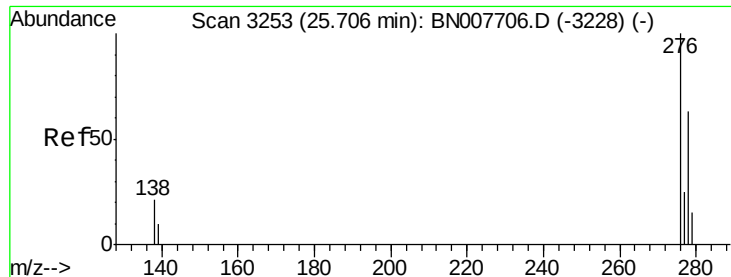
Abundance

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

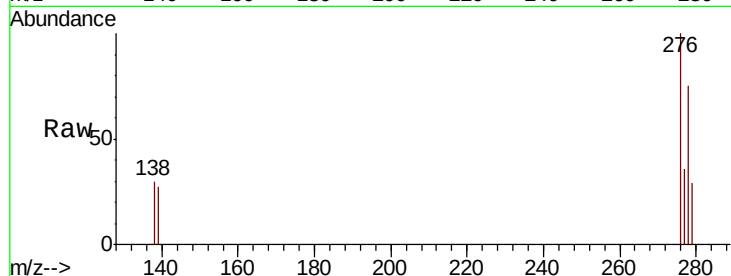




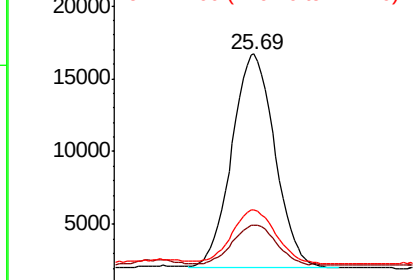
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.393 ng
 RT: 25.69 min Scan# 3248
 Delta R.T. -0.02 min
 Lab File: BN008021.D
 Acq: 05 Oct 2019 01:44

Instrument :
 BNA_N
 ClientSampleId :

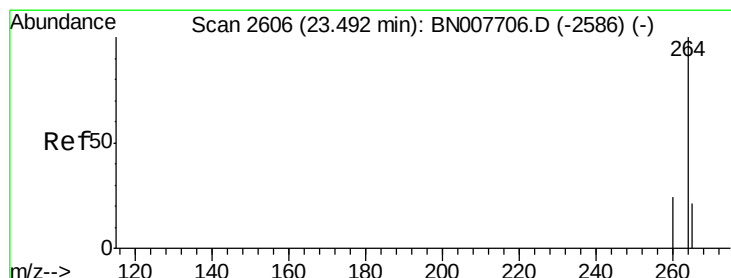
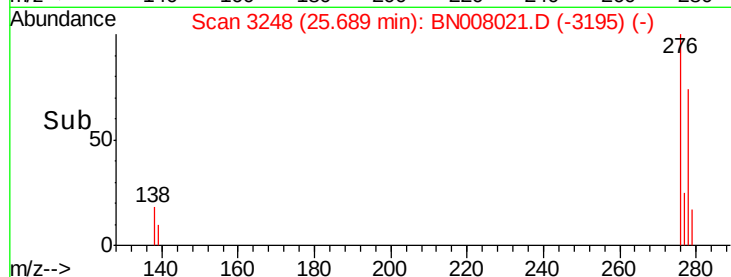
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.6	17.1	25.7
277	25.4	20.0	30.0



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

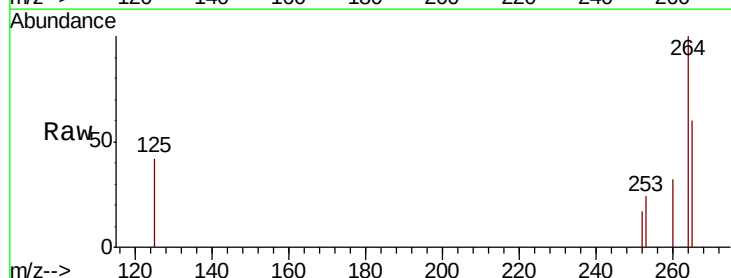


Time-->

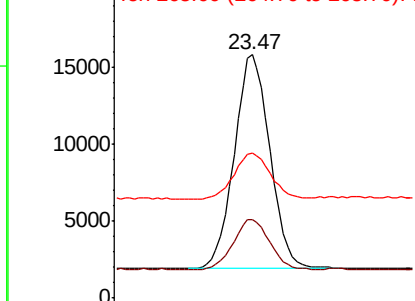


#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.47 min Scan# 2600
 Delta R.T. -0.02 min
 Lab File: BN008021.D
 Acq: 05 Oct 2019 01:44

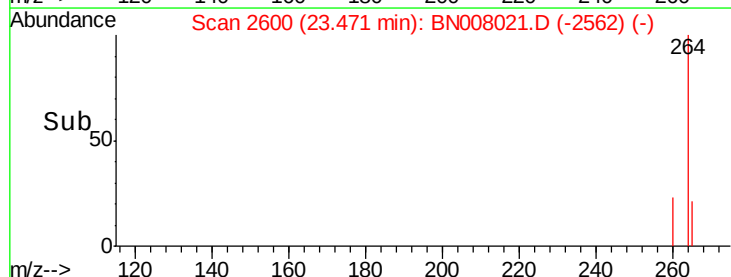
Tgt Ion	Ratio	Lower	Upper
264	100		
260	32.5	19.3	28.9#
265	59.6	26.9	40.3#

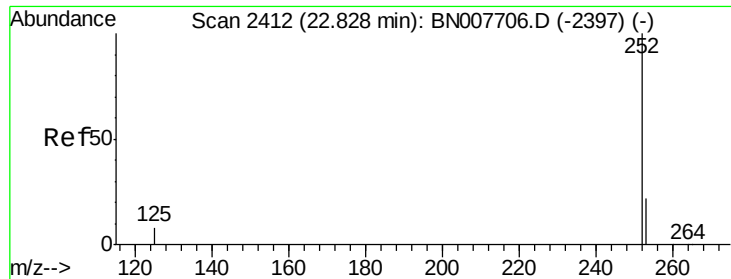


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E



Time-->

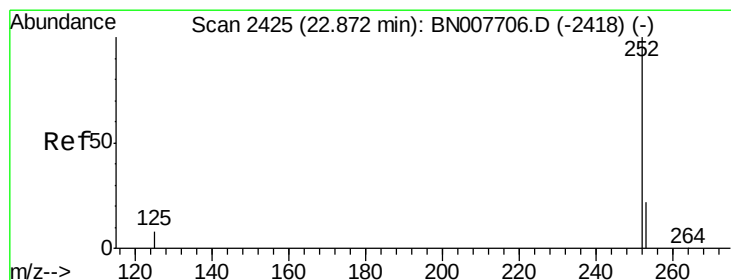
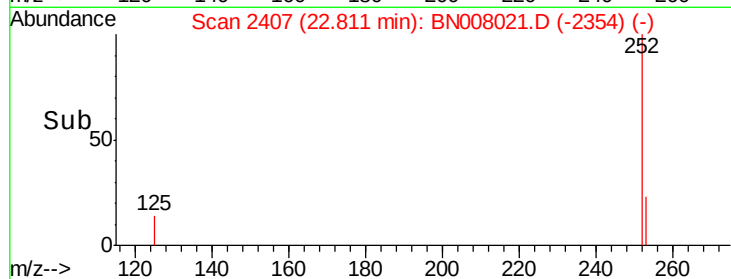
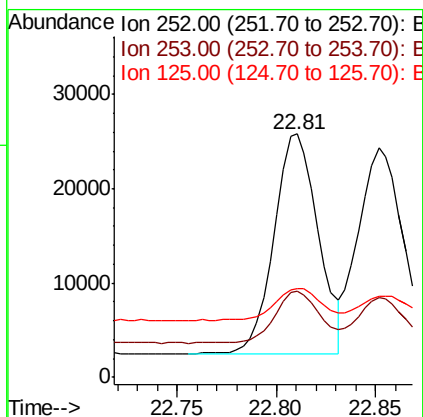
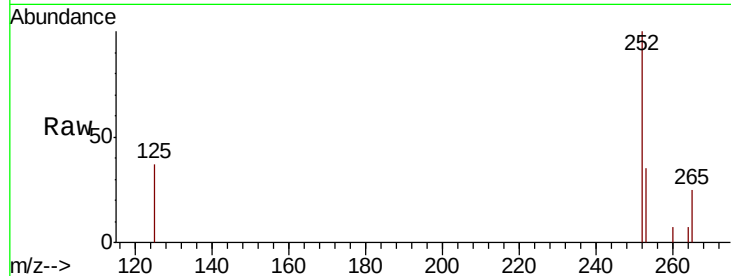




#35
Benzo(b)fluoranthene
Concen: 0.399 ng
RT: 22.81 min Scan# 2407
Delta R.T. -0.02 min
Lab File: BN008021.D
Acq: 05 Oct 2019 01:44

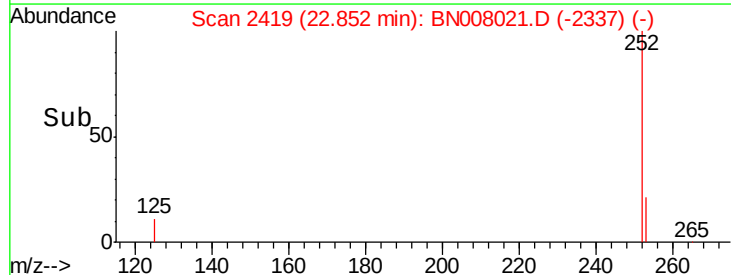
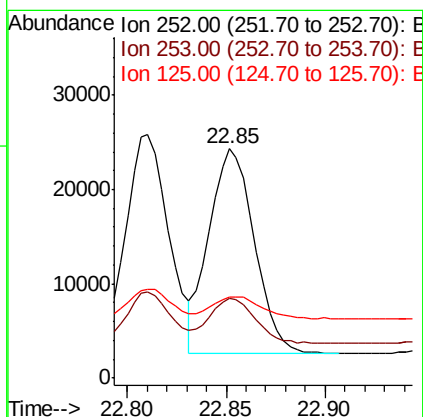
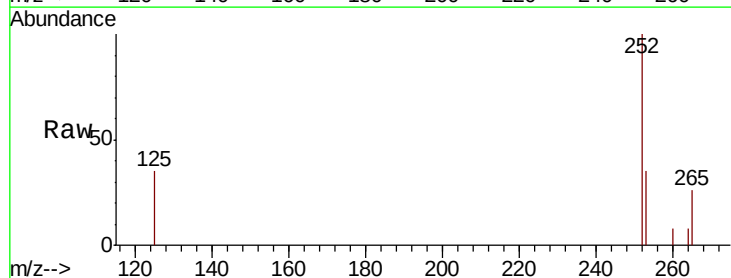
Instrument :
BNA_N
ClientSampleId :

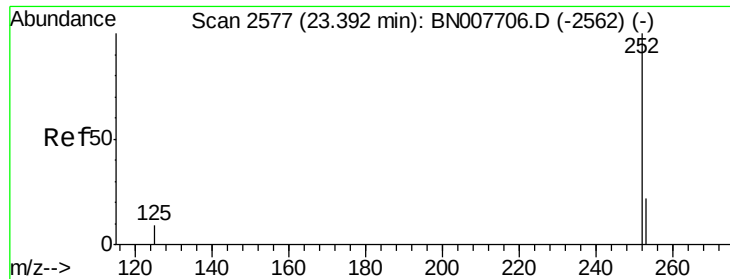
Tot Ion:252 Resp: 36228
Ion Ratio Lower Upper
252 100
253 35.4 18.3 27.5#
125 36.6 8.2 12.4#



#36
Benzo(k)fluoranthene
Concen: 0.385 ng
RT: 22.85 min Scan# 2419
Delta R.T. -0.02 min
Lab File: BN008021.D
Acq: 05 Oct 2019 01:44

Tgt Ion:252 Resp: 34577
Ion Ratio Lower Upper
252 100
253 34.6 18.5 27.7#
125 35.4 8.4 12.6#





#37

Benzo(a)pyrene

Concen: 0.413 ng

RT: 23.38 min Scan# 2572

Delta R.T. -0.02 min

Lab File: BN008021.D

Acq: 05 Oct 2019 01:44

Instrument :

BNA_N

ClientSampleId :

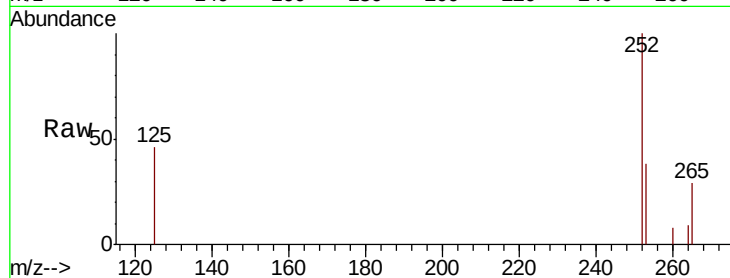
Tot Ion:252 Resp: 35222

Ion Ratio Lower Upper

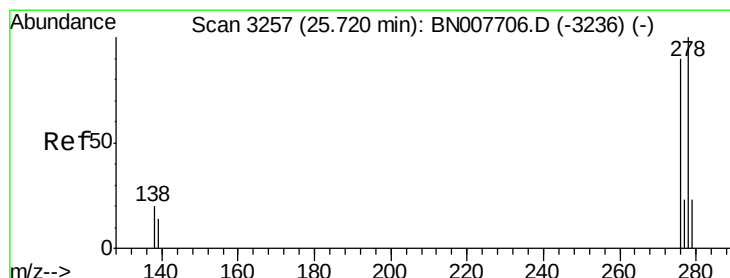
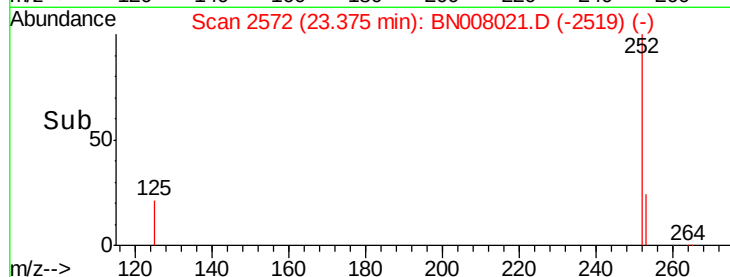
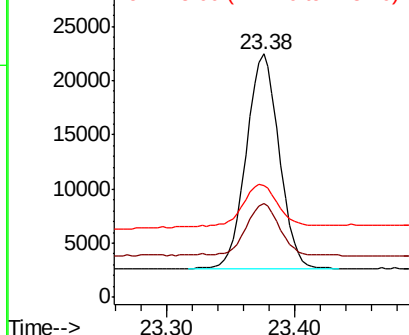
252 100

253 38.5 18.6 27.8#

125 46.2 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: 0.390 ng

RT: 25.70 min Scan# 3251

Delta R.T. -0.02 min

Lab File: BN008021.D

Acq: 05 Oct 2019 01:44

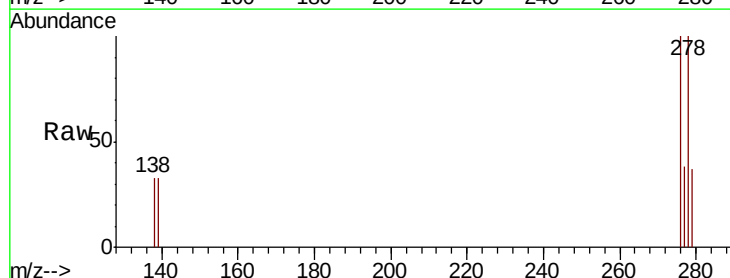
Tgt Ion:278 Resp: 34084

Ion Ratio Lower Upper

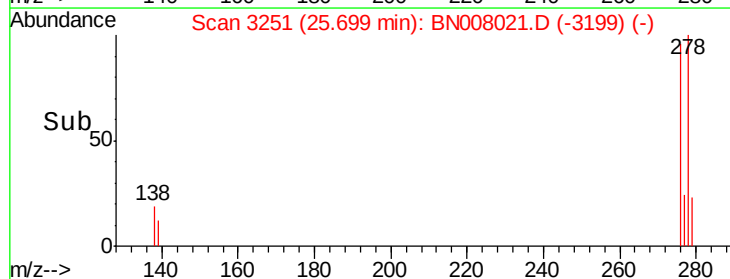
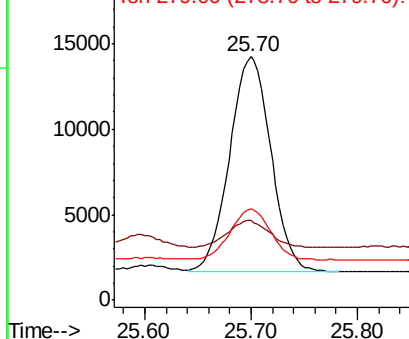
278 100

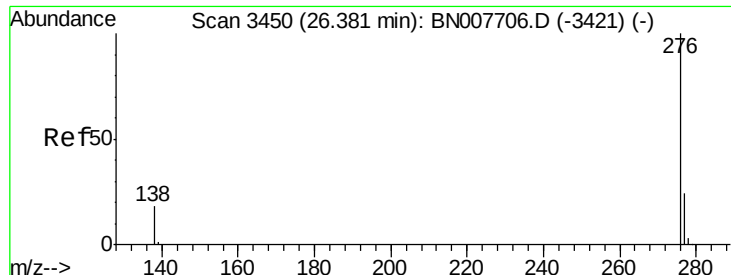
139 32.7 11.8 17.6#

279 37.2 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: 0.398 ng

RT: 26.36 min Scan# 3444

Delta R.T. -0.02 min

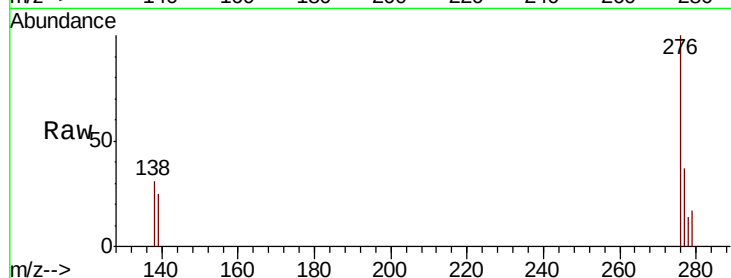
Lab File: BN008021.D

Acq: 05 Oct 2019 01:44

Instrument :

BNA_N

ClientSampleId :



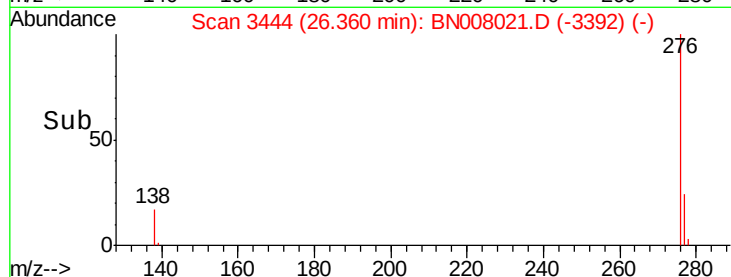
Tot Ion: 276 Resp: 34423

Ion Ratio Lower Upper

276 100

277 37.3 19.8 29.8#

138 30.9 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

