

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092019\
 Data File : BN007762.D
 Acq On : 20 Sep 2019 13:57
 Operator : HP/JU
 Sample : PB123061BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB123061BSD

Quant Time: Sep 20 14:37:25 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	5502	0.40	ng	0.00
7) Naphthalene-d8	10.46	136	21769	0.40	ng	-0.01
13) Acenaphthene-d10	14.32	164	13466	0.40	ng	0.00
19) Phenanthrene-d10	17.06	188	29740	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	35097	0.40	ng	0.00
34) Perylene-d12	23.47	264	37660	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.31	112	5725	0.30	ng	0.00
5) Phenol-d6	6.87	99	7344	0.31	ng	0.00
8) Nitrobenzene-d5	8.83	82	6546	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	14579	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.80	330	2005	0.27	ng	-0.02
15) 2-Fluorobiphenyl	12.94	172	20742	0.37	ng	0.00
25) Fluoranthene-d10	19.09	212	38820	0.39	ng	-0.01
29) Terphenyl-d14	19.70	244	33212	0.39	ng	-0.01

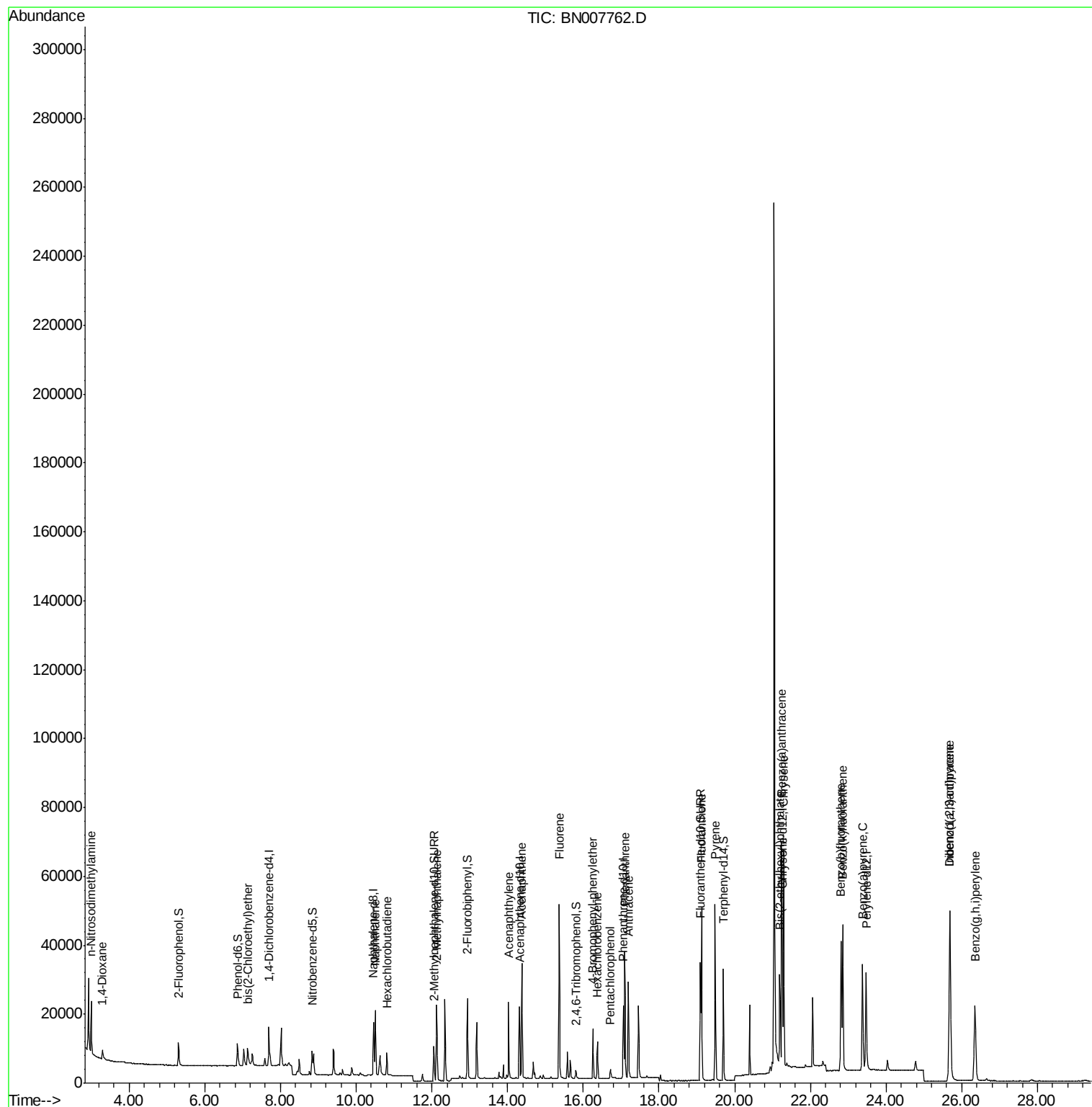
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.30	88	2104	0.343	ng	# 74
3) n-Nitrosodimethylamine	3.00	42	1747	0.622	ng	92
6) bis(2-Chloroethyl)ether	7.14	93	6831	0.438	ng	88
9) Naphthalene	10.51	128	24446	0.400	ng	99
10) Hexachlorobutadiene	10.81	225	5215	0.405	ng	# 99
12) 2-Methylnaphthalene	12.13	142	16532	0.400	ng	100
16) Acenaphthylene	14.03	152	24510	0.343	ng	100
17) Acenaphthene	14.38	154	16521	0.359	ng	98
18) Fluorene	15.37	166	21079	0.357	ng	100
20) 4-Bromophenyl-phenylether	16.26	248	7135	0.395	ng	# 86
21) Hexachlorobenzene	16.38	284	8145	0.413	ng	100
22) Pentachlorophenol	16.72	266	2007	0.276	ng	97
23) Phenanthrene	17.10	178	36997	0.399	ng	100
24) Anthracene	17.19	178	31609	0.378	ng	100
26) Fluoranthene	19.12	202	45306	0.393	ng	100
28) Pyrene	19.49	202	46108	0.385	ng	100
30) Benzo(a)anthracene	21.24	228	49884	0.386	ng	99
31) Chrysene	21.29	228	49264	0.391	ng	99
32) Bis(2-ethylhexyl)phthalate	21.19	149	28789	0.433	ng	# 91
33) Indeno(1,2,3-cd)pyrene	25.68	276	59805	0.379	ng	99
35) Benzo(b)fluoranthene	22.81	252	48823	0.373	ng	100
36) Benzo(k)fluoranthene	22.86	252	53568	0.414	ng	100
37) Benzo(a)pyrene	23.38	252	46045	0.375	ng	99
38) Dibenzo(a,h)anthracene	25.69	278	48191	0.383	ng	100
39) Benzo(g,h,i)perylene	26.35	276	46700	0.375	ng	99

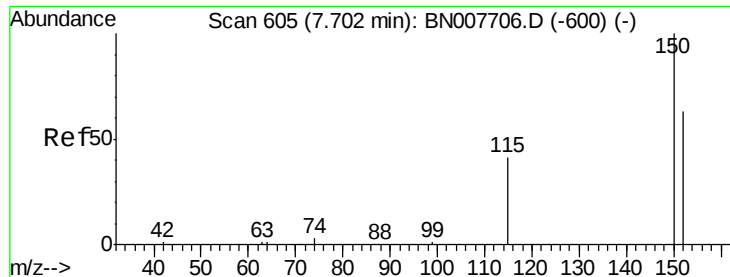
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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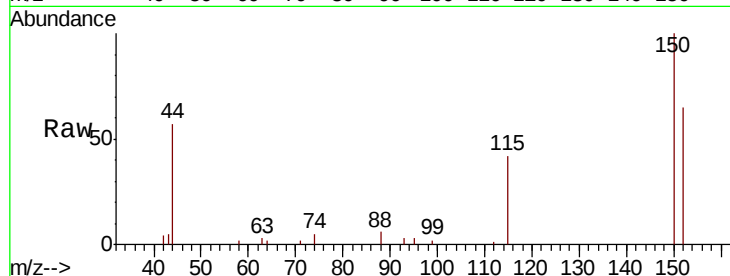


#1

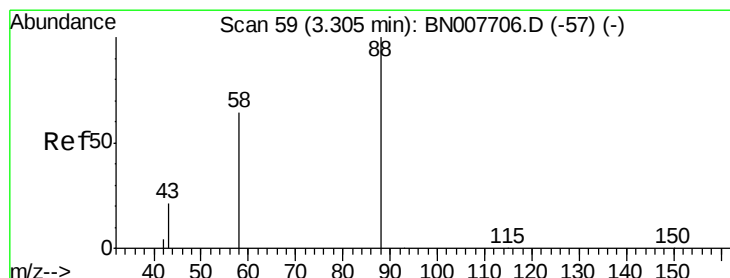
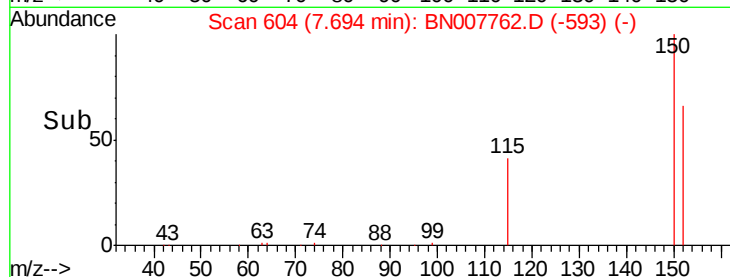
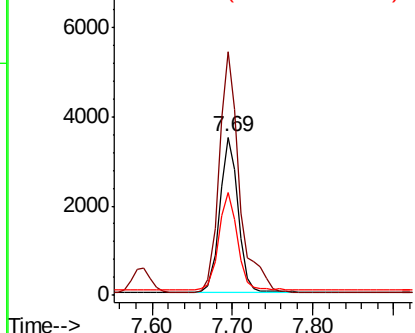
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 604
Delta R.T. -0.01 min
Lab File: BN007762.D
Acq: 20 Sep 2019 13:57

Instrument :
BNA_N
ClientSampleId :
PB123061BSD

Tot Ion:152 Resp: 5502
Ion Ratio Lower Upper
152 100
150 153.9 125.6 188.4
115 65.3 53.3 79.9



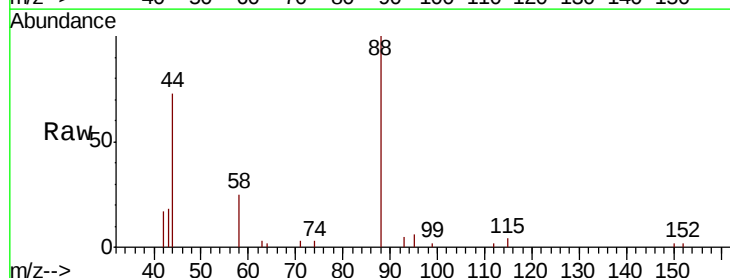
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



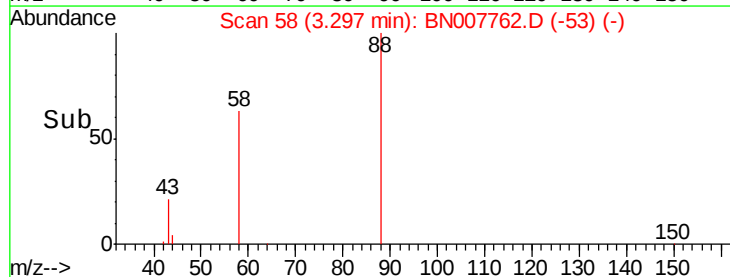
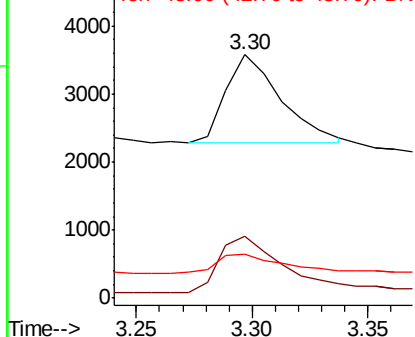
#2

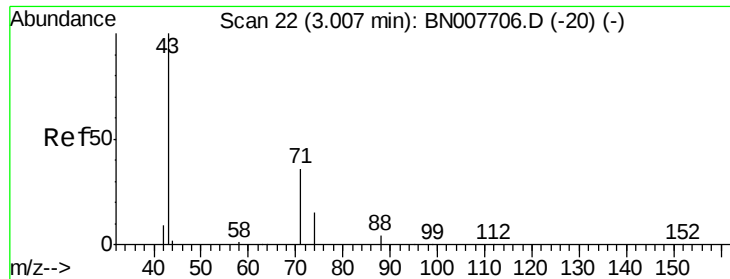
1,4-Dioxane
Concen: 0.343 ng
RT: 3.30 min Scan# 58
Delta R.T. -0.01 min
Lab File: BN007762.D
Acq: 20 Sep 2019 13:57

Tgt Ion: 88 Resp: 2104
Ion Ratio Lower Upper
88 100
58 75.1 44.6 66.8#
43 27.9 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



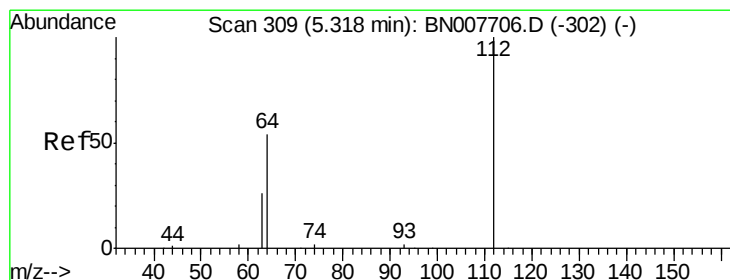
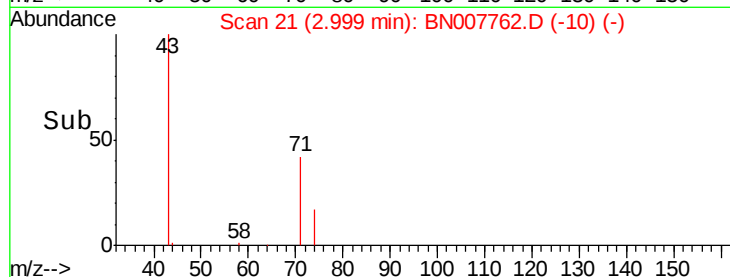
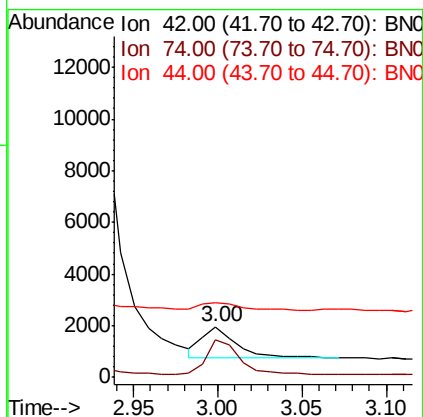
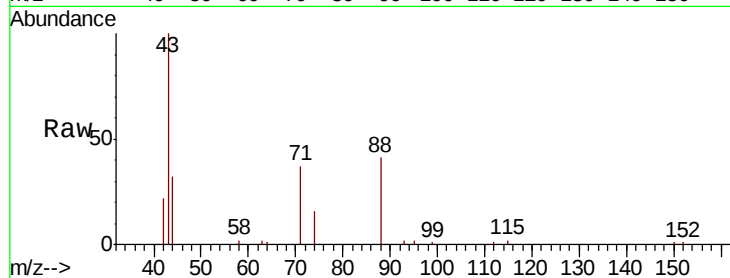


#3

n-Nitrosodimethylamine
 Concen: 0.622 ng
 RT: 3.00 min Scan# 21
 Delta R.T. -0.01 min
 Lab File: BN007762.D
 Acq: 20 Sep 2019 13:57

Instrument :
 BNA_N
 ClientSampleId :
 PB123061BSD

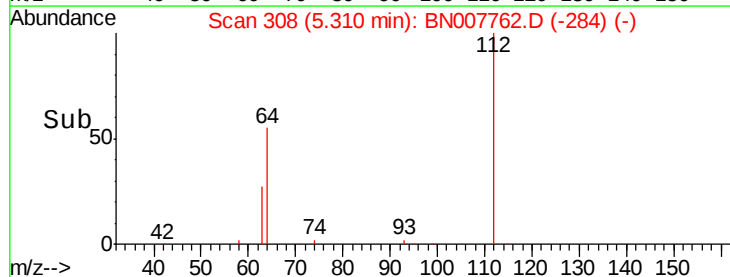
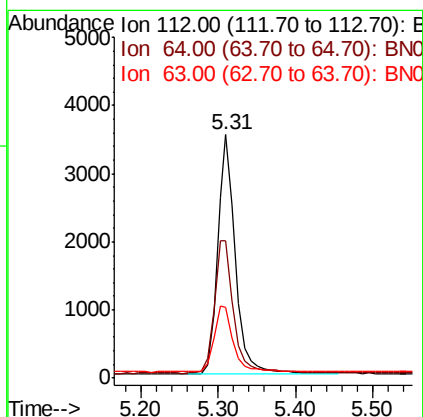
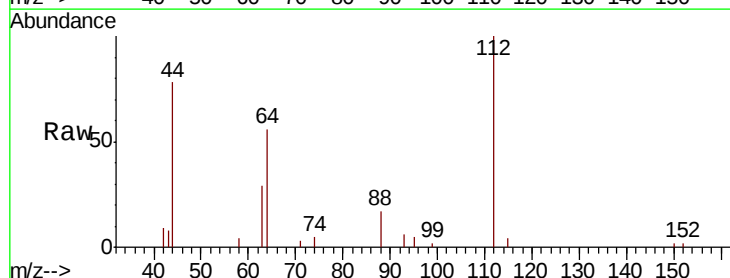
Tot Ion: 42 Resp: 1747
 Ion Ratio Lower Upper
 42 100
 74 98.7 87.9 131.9
 44 35.7 29.4 44.0

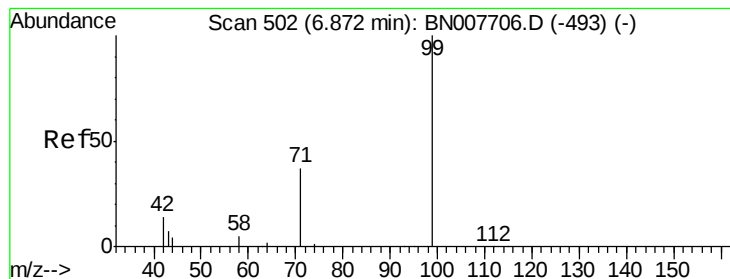


#4

2-Fluorophenol
 Concen: 0.302 ng
 RT: 5.31 min Scan# 308
 Delta R.T. -0.01 min
 Lab File: BN007762.D
 Acq: 20 Sep 2019 13:57

Tgt Ion: 112 Resp: 5725
 Ion Ratio Lower Upper
 112 100
 64 60.2 46.6 70.0
 63 29.6 23.1 34.7





#5

Phenol-d6

Concen: 0.310 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007762.D

Acq: 20 Sep 2019 13:57

Instrument :

BNA_N

ClientSampleId :

PB123061BSD

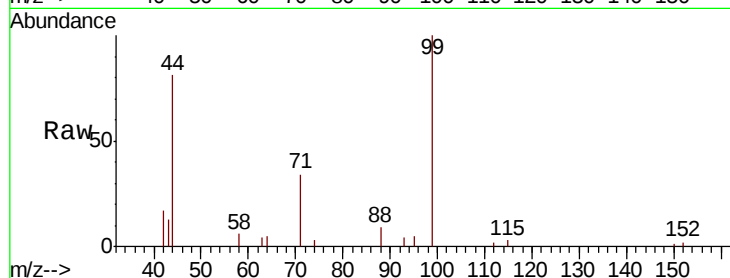
Tot Ion: 99 Resp: 7344

Ion Ratio Lower Upper

99 100

42 14.9 12.8 19.2

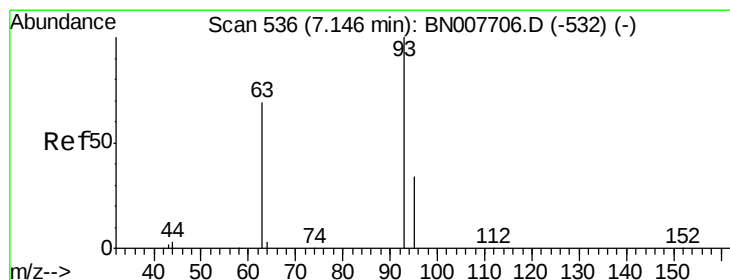
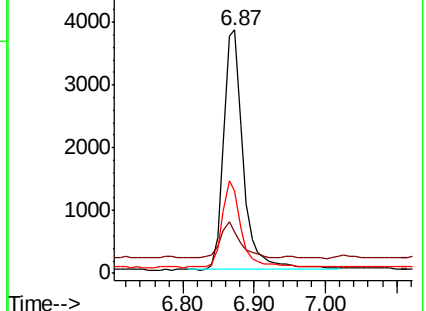
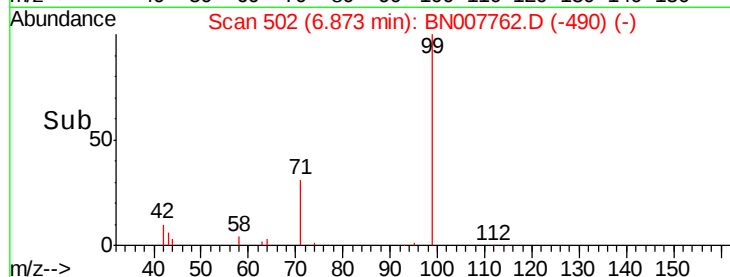
71 34.5 27.6 41.4



Abundance Ion 99.00 (98.70 to 99.70): BN007706.D (-493) (-)

Ion 42.00 (41.70 to 42.70): BN007706.D (-493) (-)

Ion 71.00 (70.70 to 71.70): BN007706.D (-493) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.438 ng

RT: 7.14 min Scan# 535

Delta R.T. -0.01 min

Lab File: BN007762.D

Acq: 20 Sep 2019 13:57

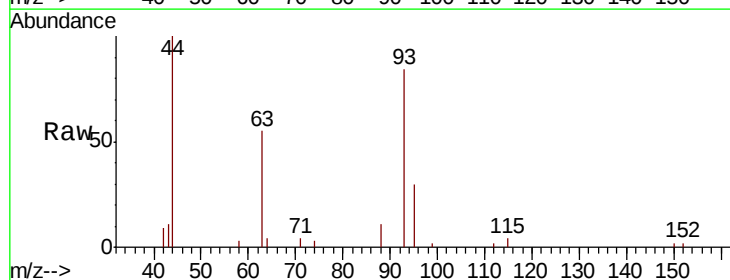
Tgt Ion: 93 Resp: 6831

Ion Ratio Lower Upper

93 100

63 62.8 59.3 88.9

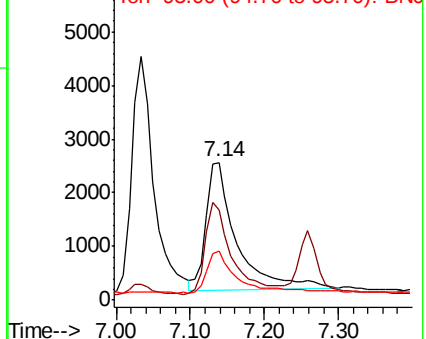
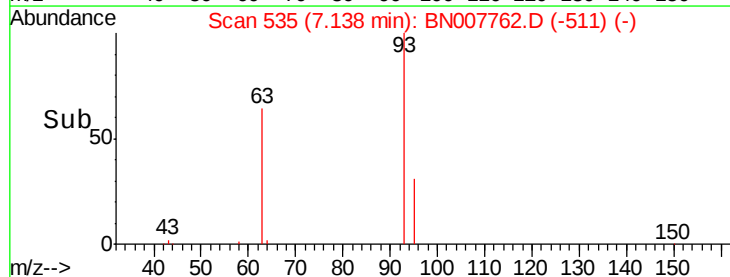
95 32.8 31.4 47.0

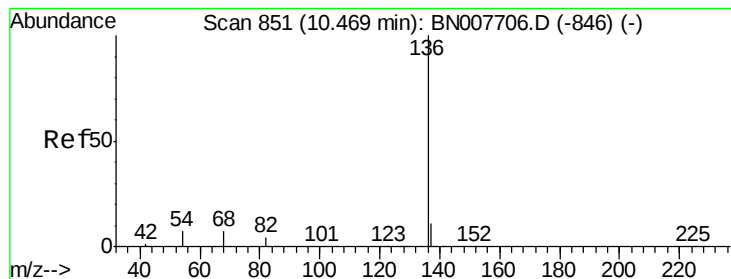


Abundance Ion 93.00 (92.70 to 93.70): BN007706.D (-532) (-)

Ion 63.00 (62.70 to 63.70): BN007706.D (-532) (-)

Ion 95.00 (94.70 to 95.70): BN007706.D (-532) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.46 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN007762.D

Acq: 20 Sep 2019 13:57

Instrument :

BNA_N

ClientSampleId :

PB123061BSD

Tot Ion:136 Resp: 21769

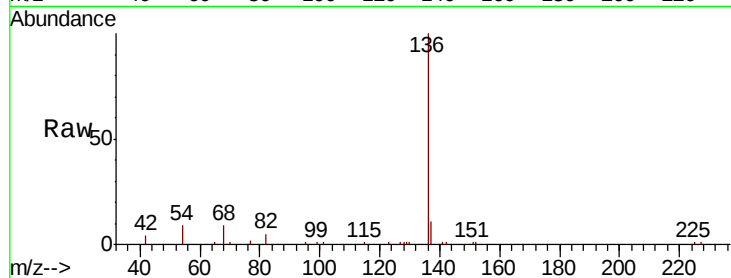
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 8.6 5.8 8.8

68 9.1 6.5 9.7

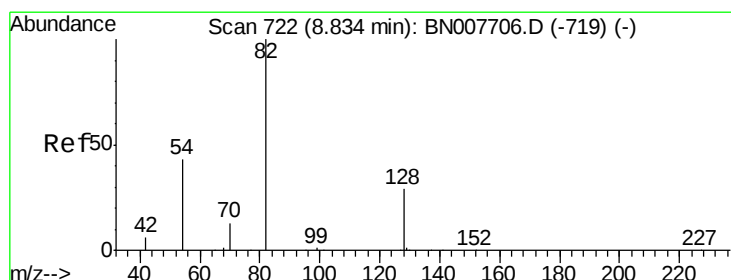
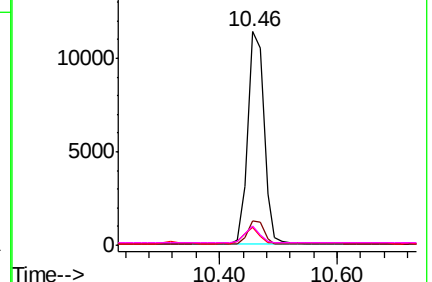
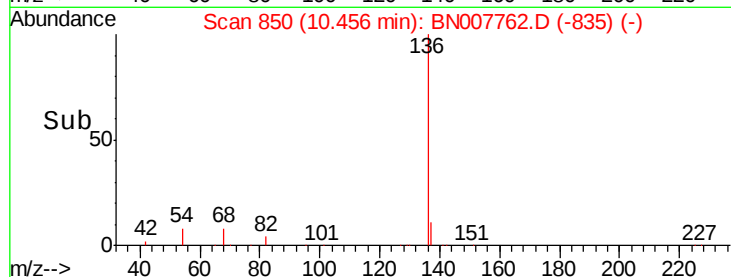


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.344 ng

RT: 8.83 min Scan# 722

Delta R.T. 0.00 min

Lab File: BN007762.D

Acq: 20 Sep 2019 13:57

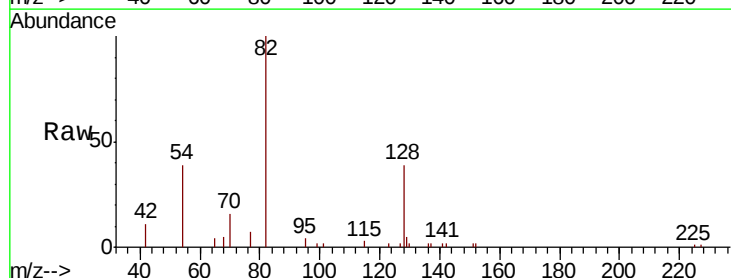
Tgt Ion: 82 Resp: 6546

Ion Ratio Lower Upper

82 100

128 38.5 24.5 36.7#

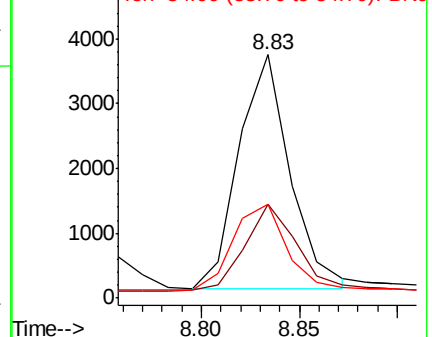
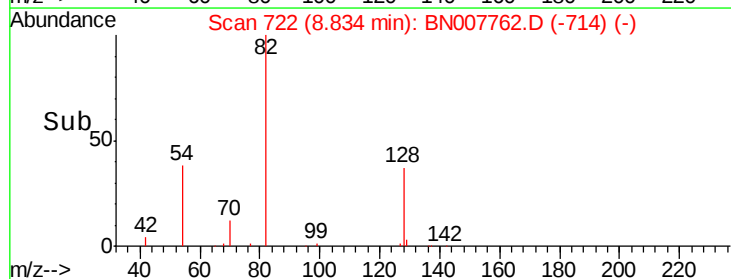
54 38.6 35.2 52.8

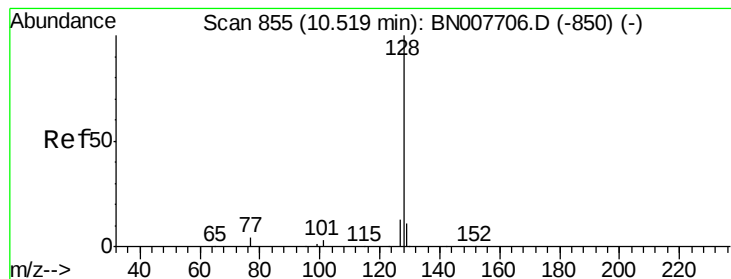


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.400 ng

RT: 10.51 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN007762.D

Acq: 20 Sep 2019 13:57

Instrument :

BNA_N

ClientSampleId :

PB123061BSD

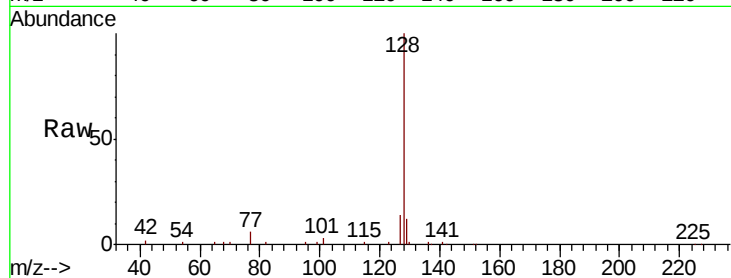
Tot Ion:128 Resp: 24446

Ion Ratio Lower Upper

128 100

129 11.5 9.1 13.7

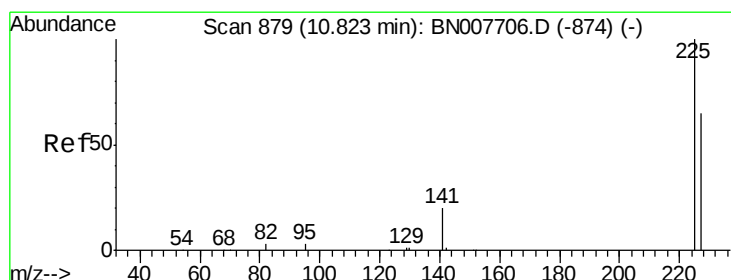
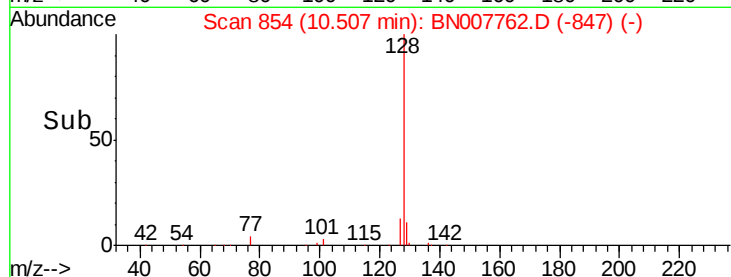
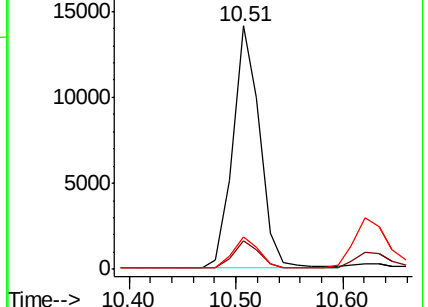
127 13.5 10.6 15.8



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: 0.405 ng

RT: 10.81 min Scan# 878

Delta R.T. -0.01 min

Lab File: BN007762.D

Acq: 20 Sep 2019 13:57

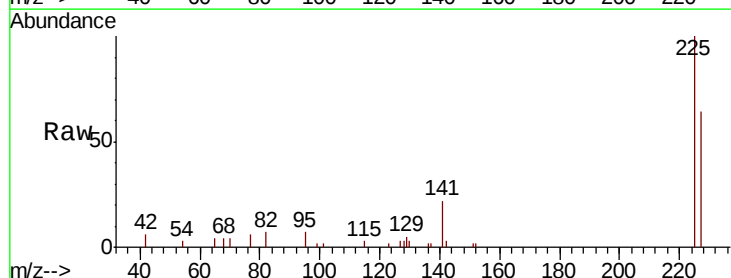
Tgt Ion:225 Resp: 5215

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

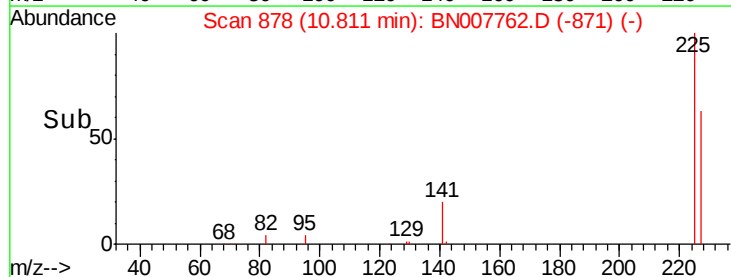
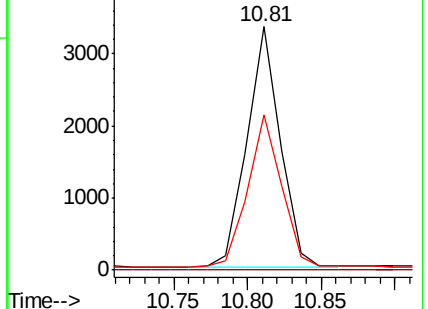
227 63.6 51.2 76.8

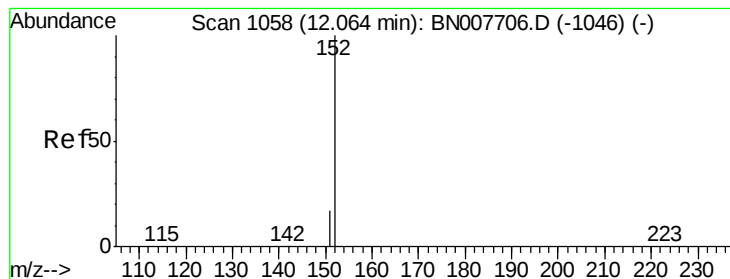


Abundance Ion 225.00 (224.70 to 225.70): E

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: BN007762.D

Acq: 20 Sep 2019 13:57

Instrument :

BNA_N

ClientSampleId :

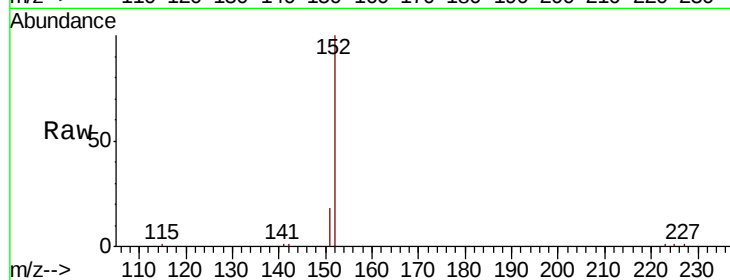
PB123061BSD

Tot Ion:152 Resp: 14579

Ion Ratio Lower Upper

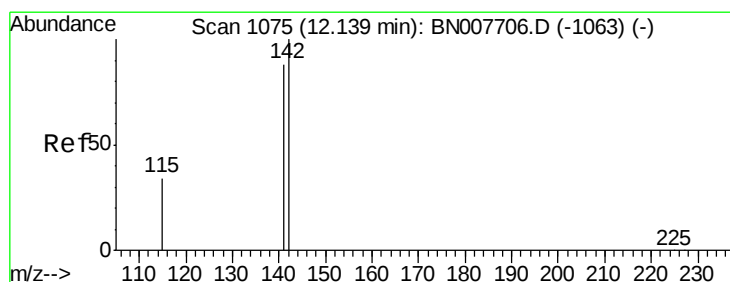
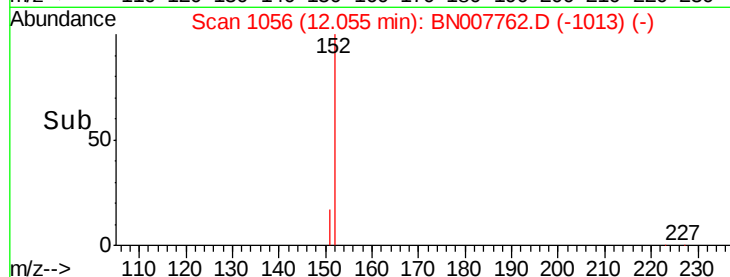
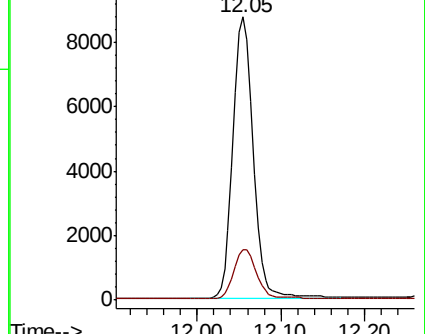
152 100

151 19.3 15.4 23.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.400 ng

RT: 12.13 min Scan# 1073

Delta R.T. -0.01 min

Lab File: BN007762.D

Acq: 20 Sep 2019 13:57

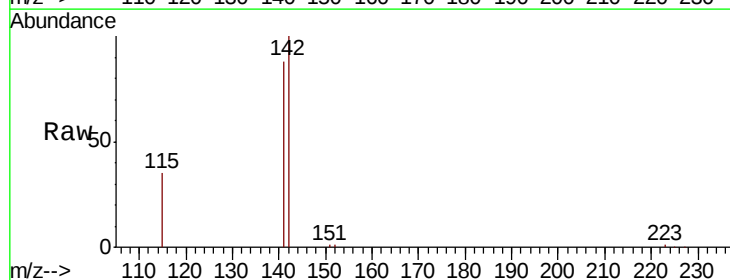
Tgt Ion:142 Resp: 16532

Ion Ratio Lower Upper

142 100

141 88.2 70.6 106.0

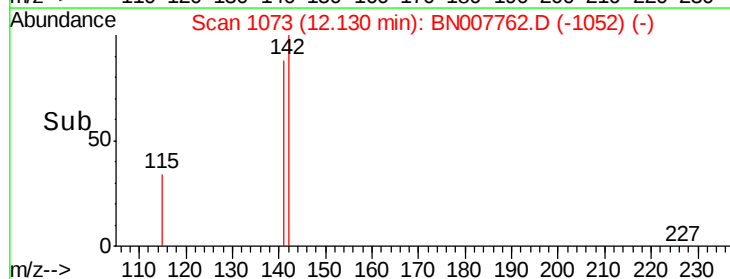
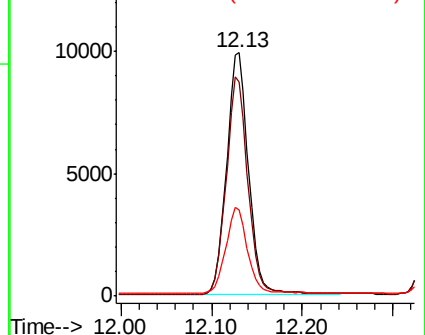
115 35.2 28.3 42.5

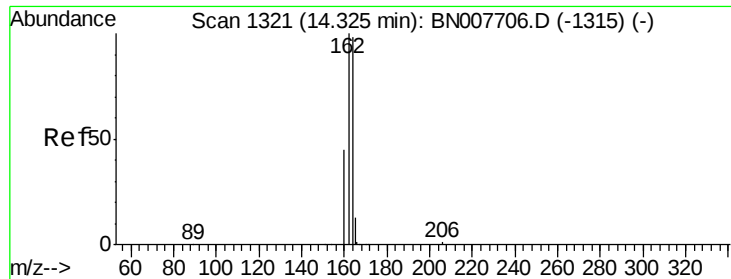


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.32 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BN007762.D

Acq: 20 Sep 2019 13:57

Instrument :

BNA_N

ClientSampleId :

PB123061BSD

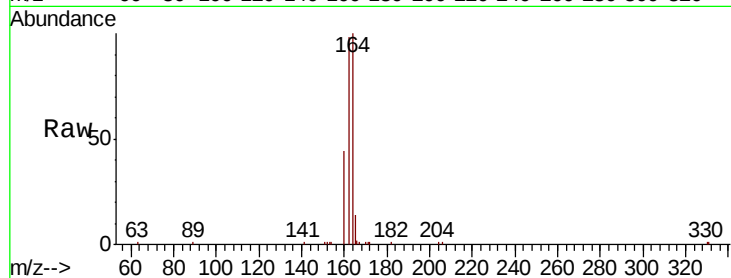
Tot Ion:164 Resp: 13466

Ion Ratio Lower Upper

164 100

162 98.4 81.7 122.5

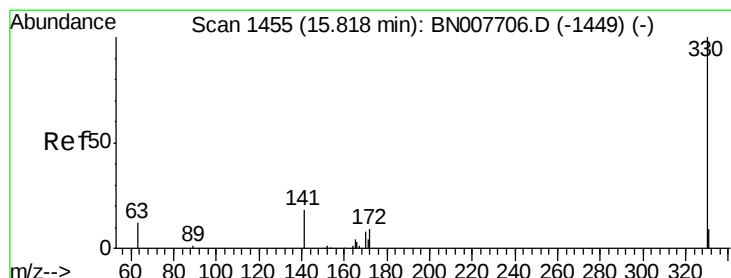
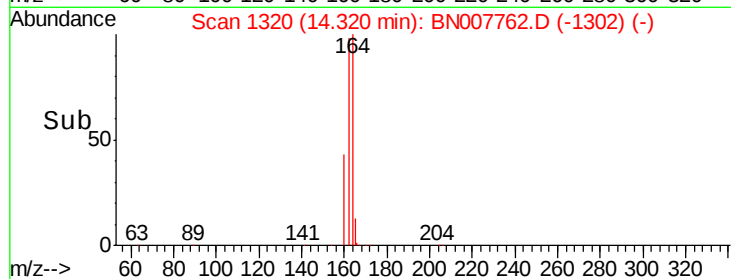
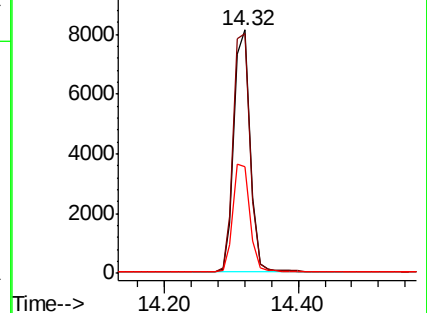
160 43.7 37.0 55.4



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: 0.273 ng

RT: 15.80 min Scan# 1453

Delta R.T. -0.02 min

Lab File: BN007762.D

Acq: 20 Sep 2019 13:57

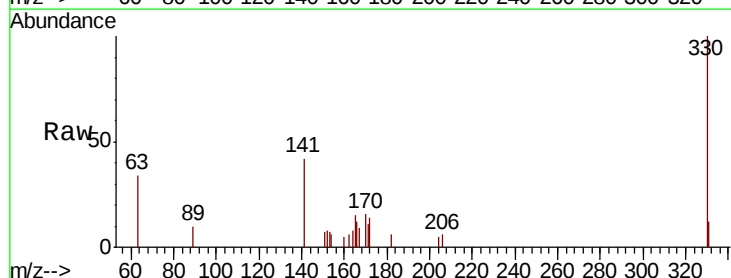
Tgt Ion:330 Resp: 2005

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

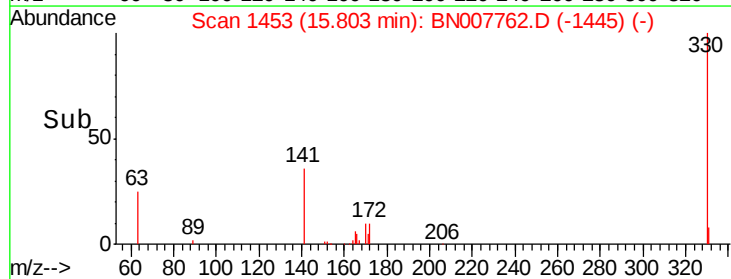
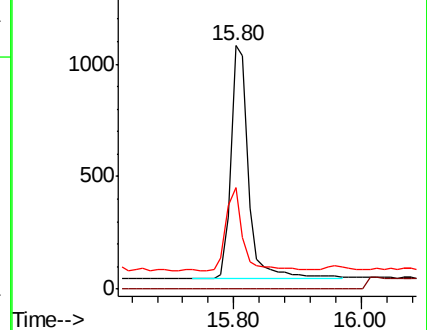
141 33.2 28.7 43.1

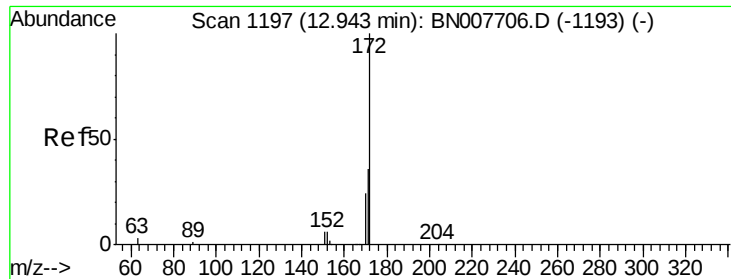


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

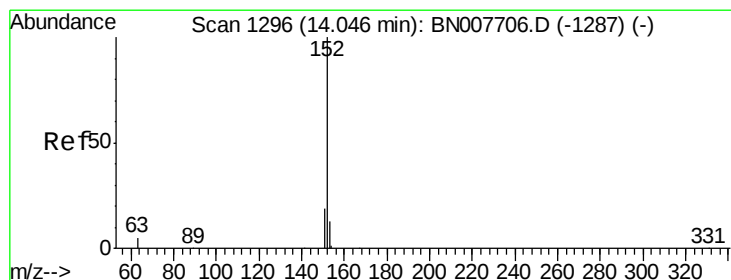
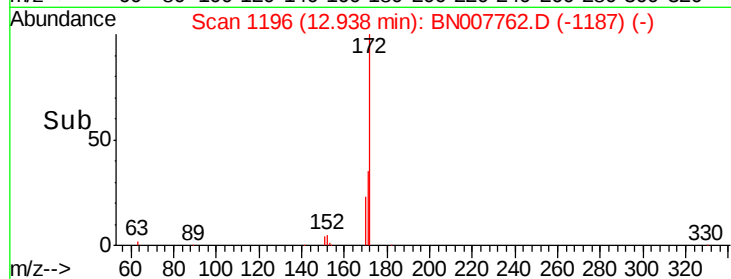
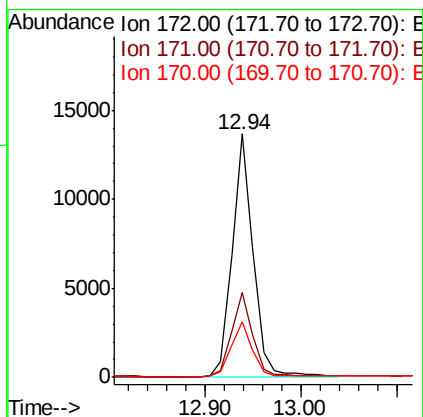
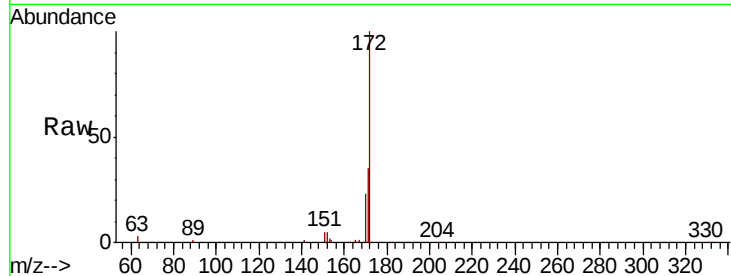




#15
2-Fluorobiphenyl
Concen: 0.374 ng
RT: 12.94 min Scan# 1196
Delta R.T. -0.00 min
Lab File: BN007762.D
Acq: 20 Sep 2019 13:57

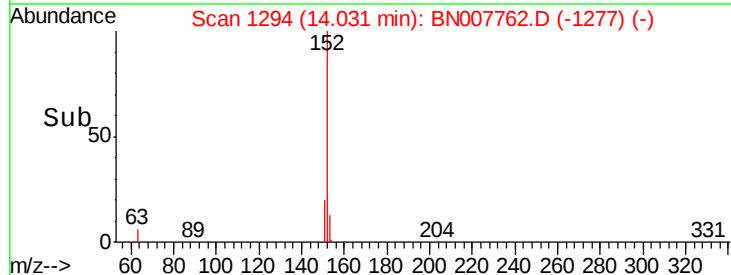
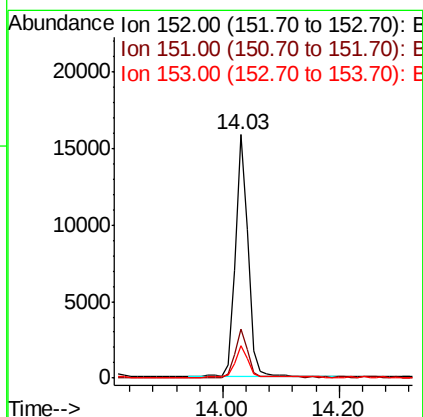
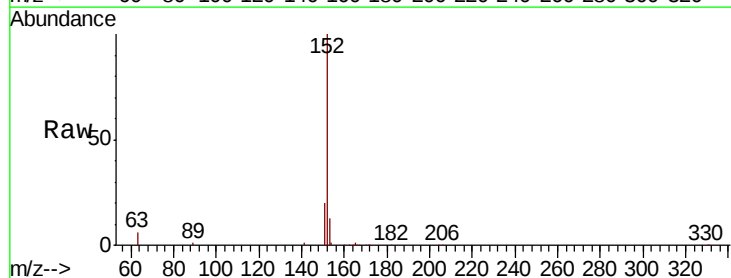
Instrument :
BNA_N
ClientSampleId :
PB123061BSD

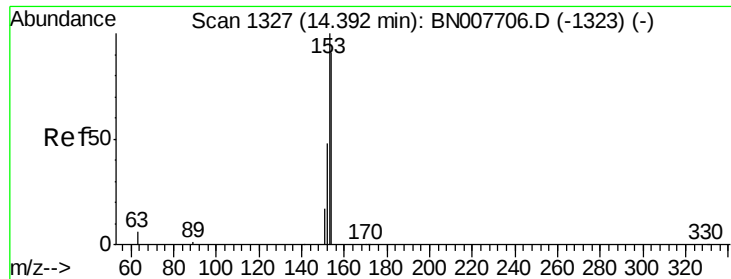
Tot Ion:172 Resp: 20742
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 23.0 19.5 29.3



#16
Acenaphthylene
Concen: 0.343 ng
RT: 14.03 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN007762.D
Acq: 20 Sep 2019 13:57

Tgt Ion:152 Resp: 24510
Ion Ratio Lower Upper
152 100
151 19.6 15.5 23.3
153 13.1 10.4 15.6





#17

Acenaphthene

Concen: 0.359 ng

RT: 14.38 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BN007762.D

Acq: 20 Sep 2019 13:57

Instrument :

BNA_N

ClientSampleId :

PB123061BSD

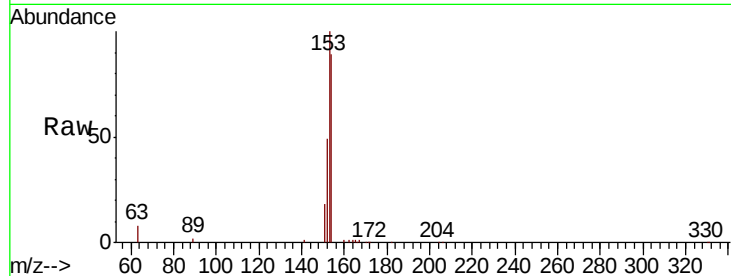
Tot Ion:154 Resp: 16521

Ion Ratio Lower Upper

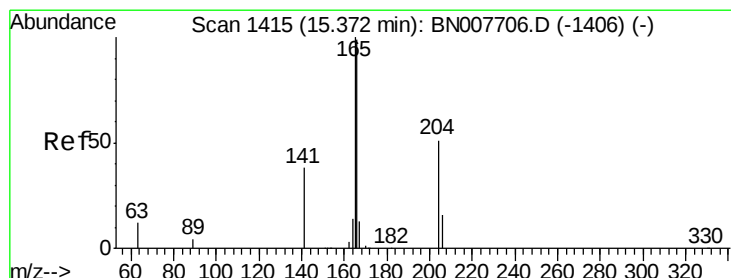
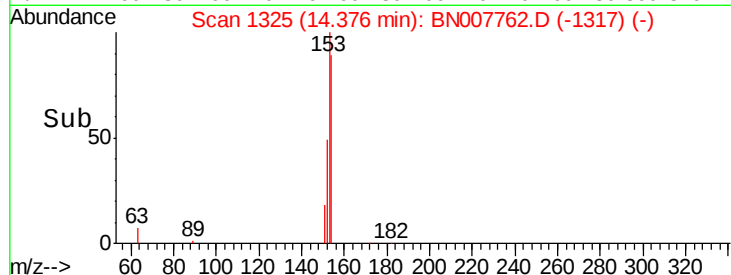
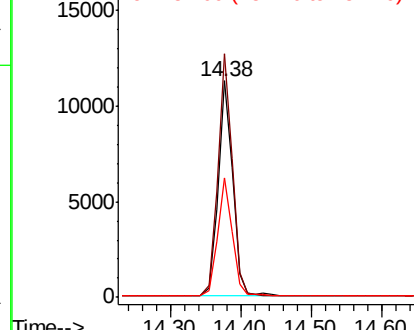
154 100

153 111.2 87.0 130.4

152 54.9 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: 0.357 ng

RT: 15.37 min Scan# 1414

Delta R.T. -0.00 min

Lab File: BN007762.D

Acq: 20 Sep 2019 13:57

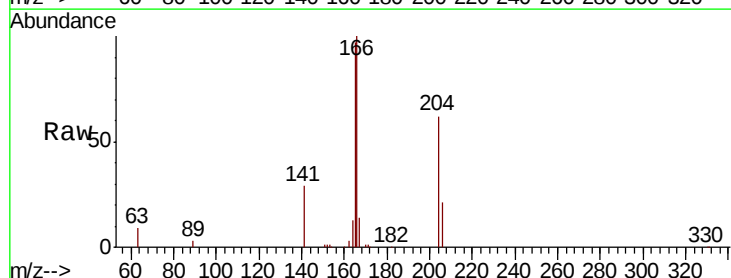
Tgt Ion:166 Resp: 21079

Ion Ratio Lower Upper

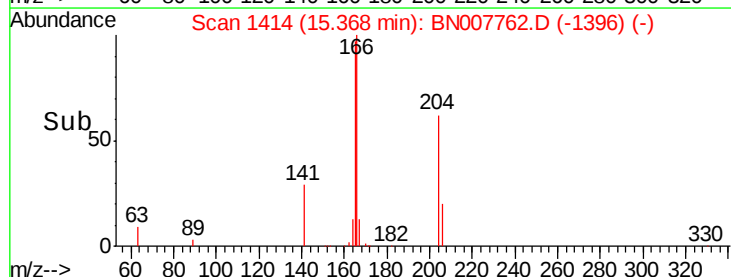
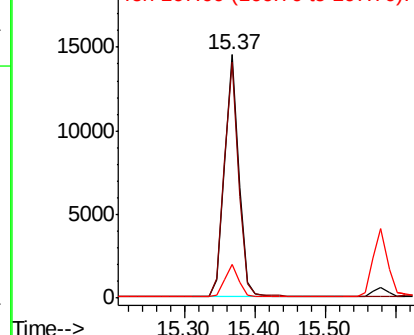
166 100

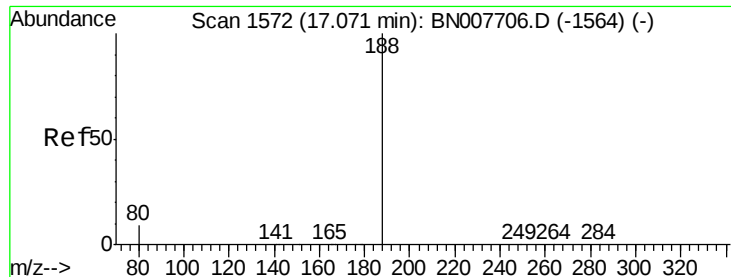
165 97.8 78.0 117.0

167 13.7 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# 1570

Delta R.T. -0.01 min

Lab File: BN007762.D

Acq: 20 Sep 2019 13:57

Instrument :

BNA_N

ClientSampleId :

PB123061BSD

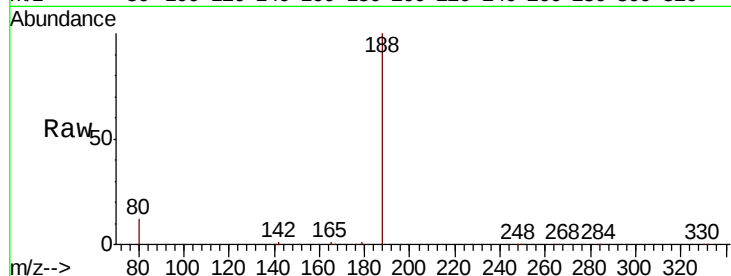
Tot Ion:188 Resp: 29740

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

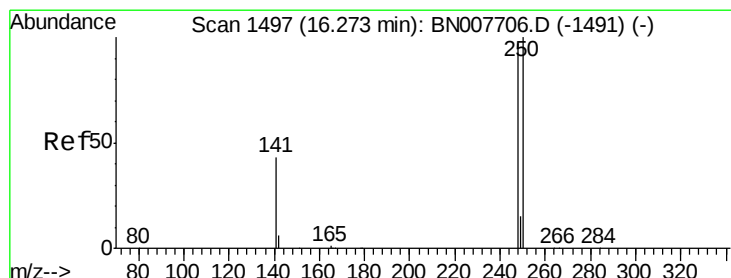
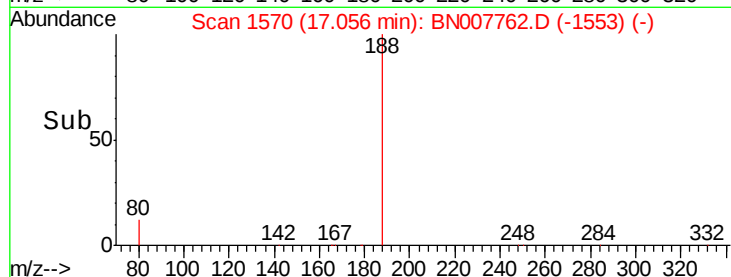
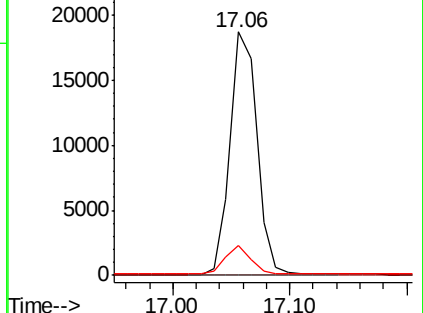
80 12.5 7.4 11.2#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.395 ng

RT: 16.26 min Scan# 1495

Delta R.T. -0.01 min

Lab File: BN007762.D

Acq: 20 Sep 2019 13:57

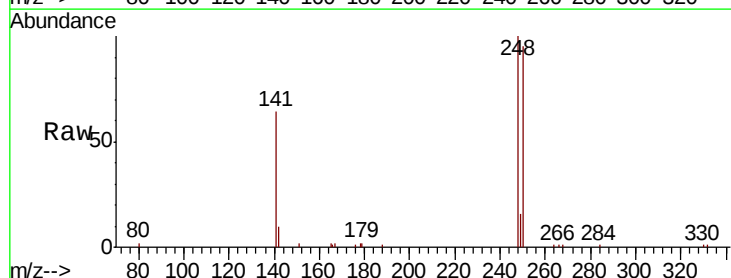
Tgt Ion:248 Resp: 7135

Ion Ratio Lower Upper

248 100

250 94.9 82.2 123.4

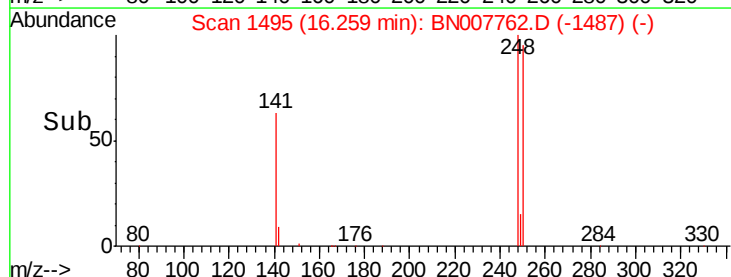
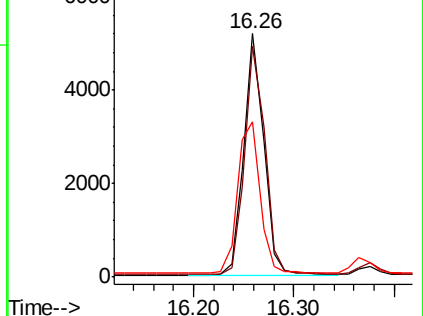
141 63.7 36.3 54.5#

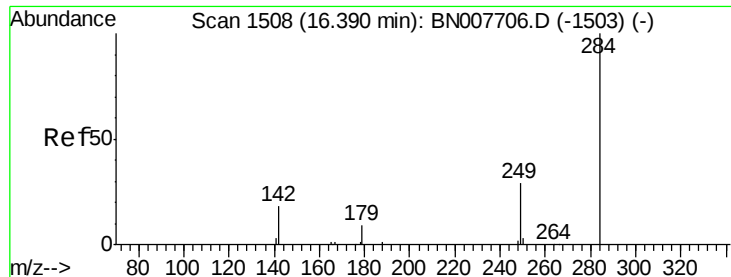


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.413 ng

RT: 16.38 min Scan# 1506

Delta R.T. -0.01 min

Lab File: BN007762.D

Acq: 20 Sep 2019 13:57

Instrument :

BNA_N

ClientSampleId :

PB123061BSD

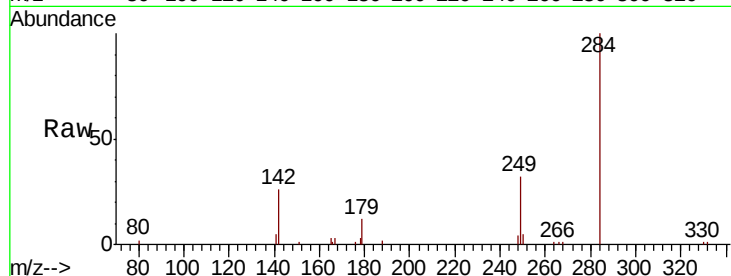
Tot Ion:284 Resp: 8145

Ion Ratio Lower Upper

284 100

142 32.5 25.8 38.6

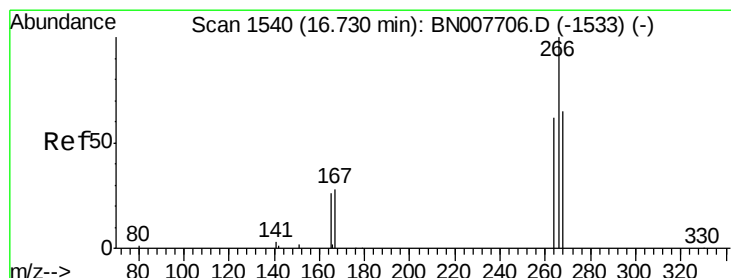
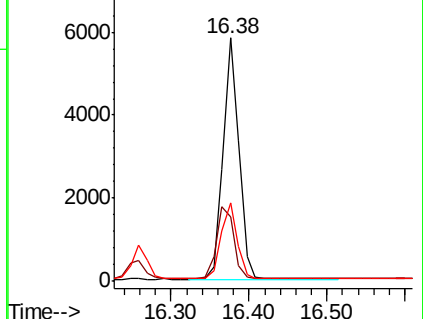
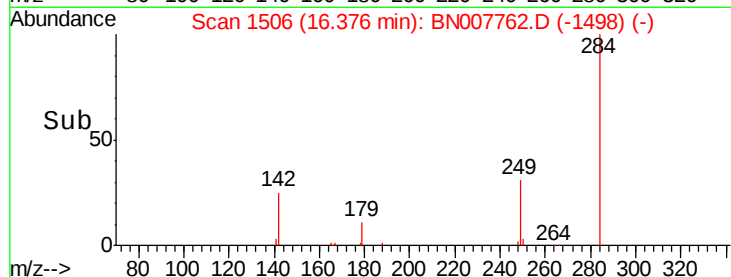
249 32.2 25.9 38.9



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: 0.276 ng

RT: 16.72 min Scan# 1538

Delta R.T. -0.01 min

Lab File: BN007762.D

Acq: 20 Sep 2019 13:57

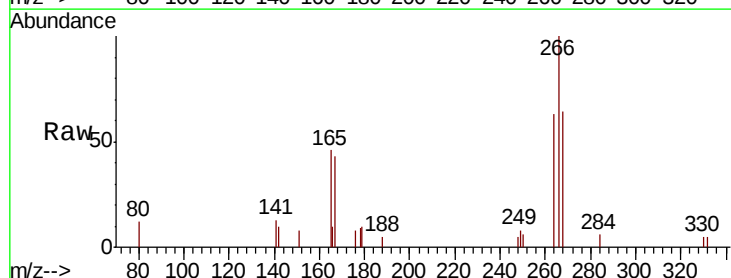
Tgt Ion:266 Resp: 2007

Ion Ratio Lower Upper

266 100

264 63.3 50.0 75.0

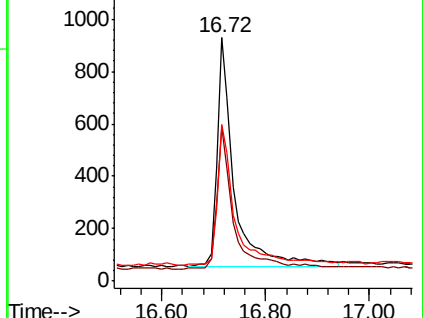
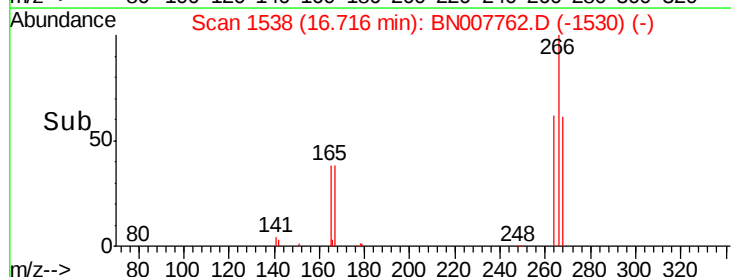
268 64.2 54.2 81.4

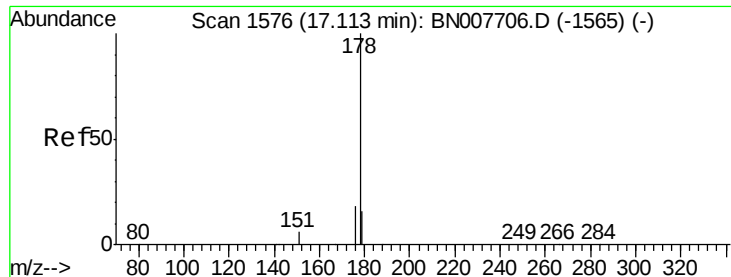


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.399 ng

RT: 17.10 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BN007762.D

Acq: 20 Sep 2019 13:57

Instrument :

BNA_N

ClientSampleId :

PB123061BSD

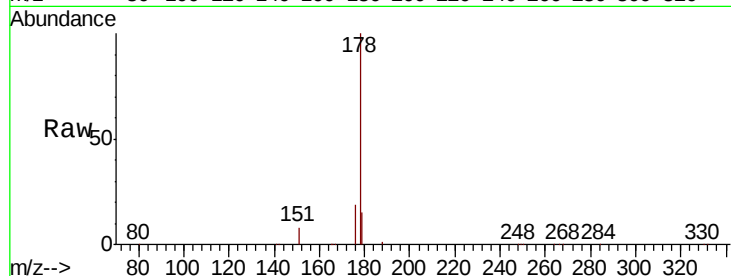
Tot Ion:178 Resp: 36997

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

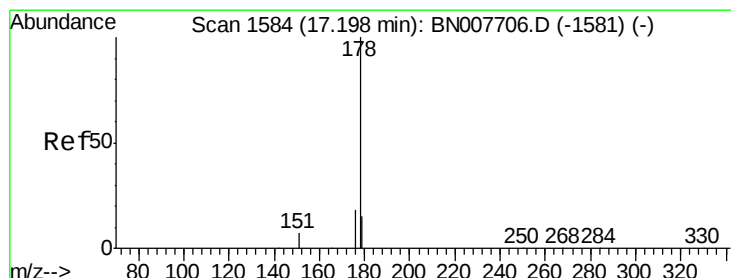
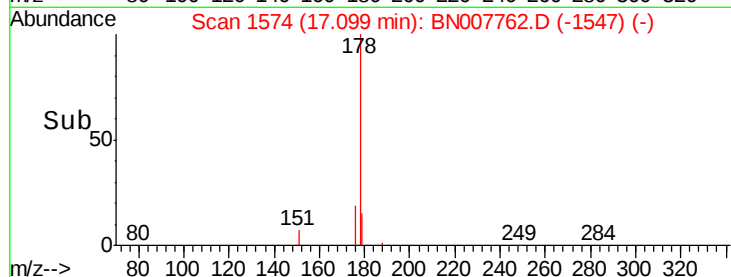
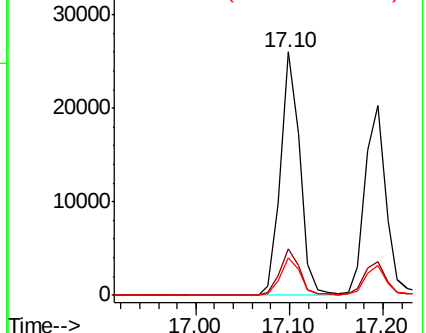
179 15.5 12.5 18.7



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: 0.378 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BN007762.D

Acq: 20 Sep 2019 13:57

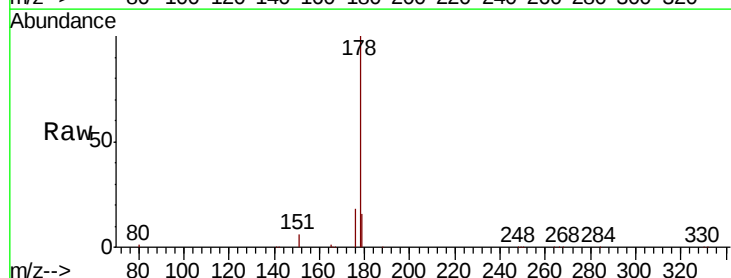
Tgt Ion:178 Resp: 31609

Ion Ratio Lower Upper

178 100

176 18.1 14.6 21.8

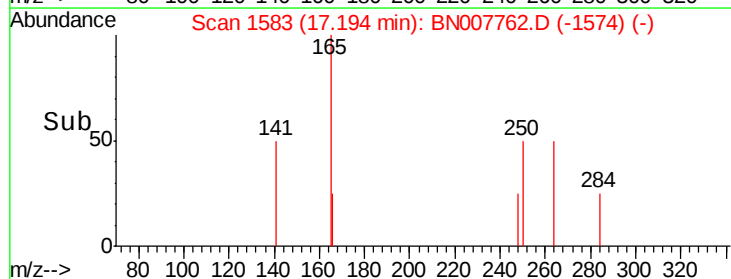
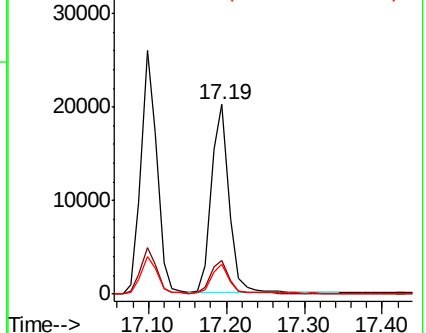
179 15.3 12.2 18.4

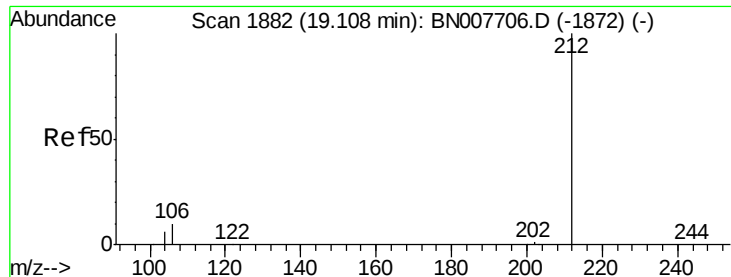


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

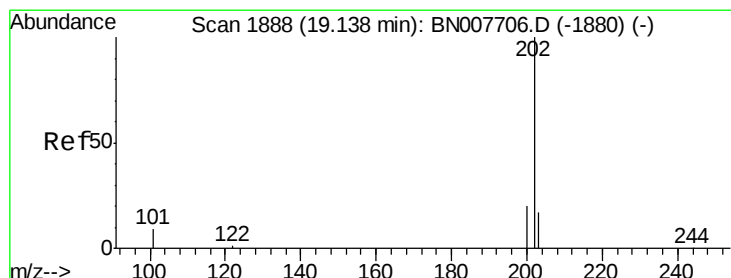
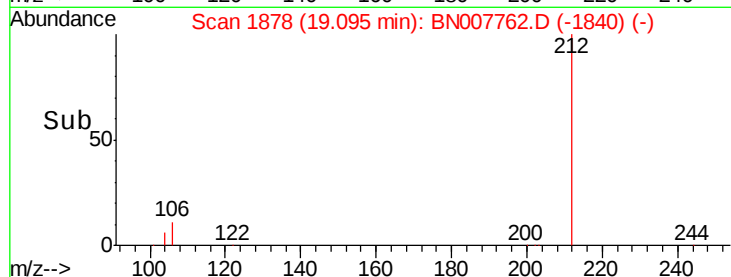
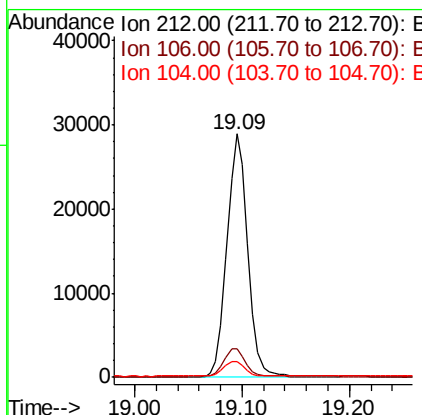
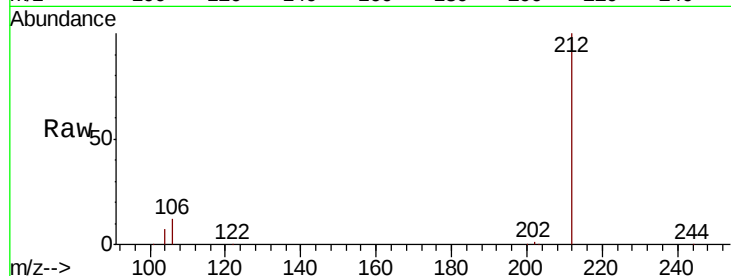




#25
 Fluoranthene-d10
 Concen: 0.387 ng
 RT: 19.09 min Scan# 1878
 Delta R.T. -0.01 min
 Lab File: BN007762.D
 Acq: 20 Sep 2019 13:57

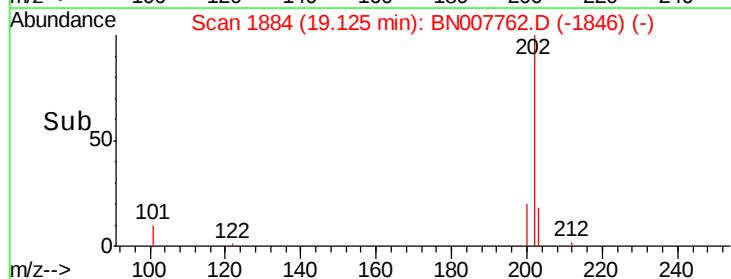
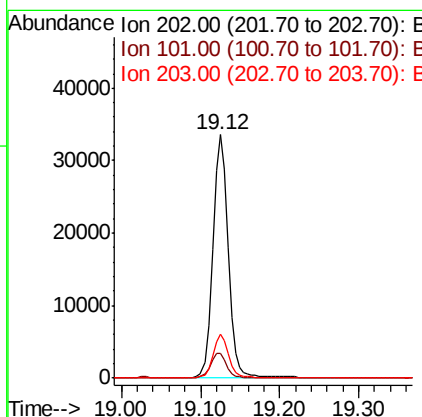
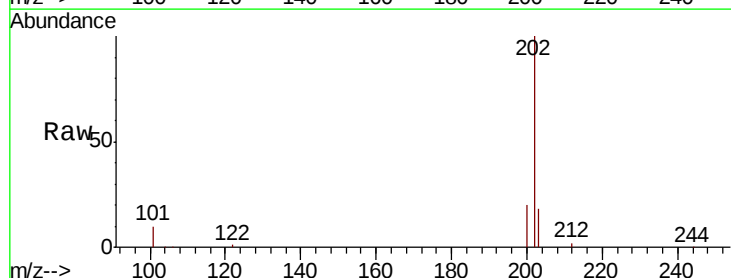
Instrument :
 BNA_N
 ClientSampleId :
 PB123061BSD

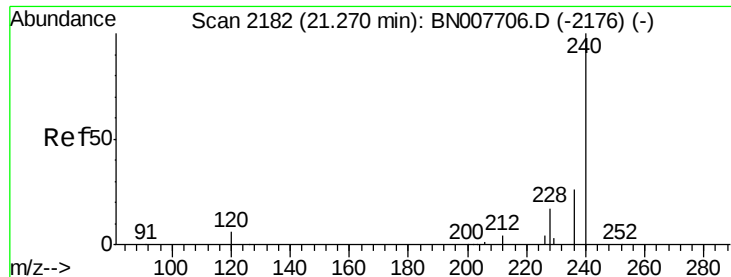
Tot Ion:212 Resp: 38820
 Ion Ratio Lower Upper
 212 100
 106 11.8 9.4 14.0
 104 6.6 5.3 7.9



#26
 Fluoranthene
 Concen: 0.393 ng
 RT: 19.12 min Scan# 1884
 Delta R.T. -0.01 min
 Lab File: BN007762.D
 Acq: 20 Sep 2019 13:57

Tgt Ion:202 Resp: 45306
 Ion Ratio Lower Upper
 202 100
 101 10.6 8.4 12.6
 203 17.3 13.8 20.8

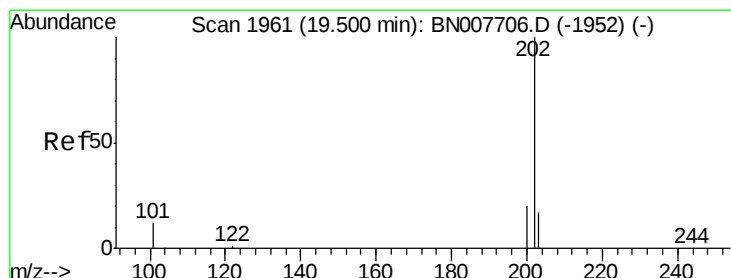
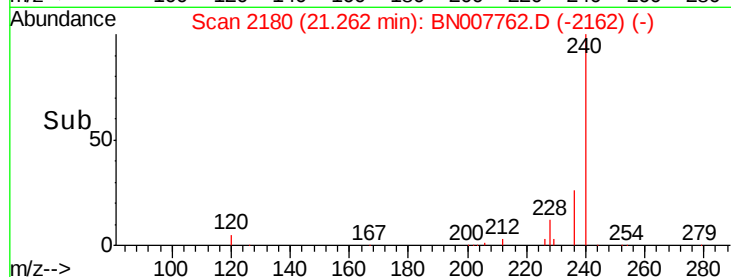
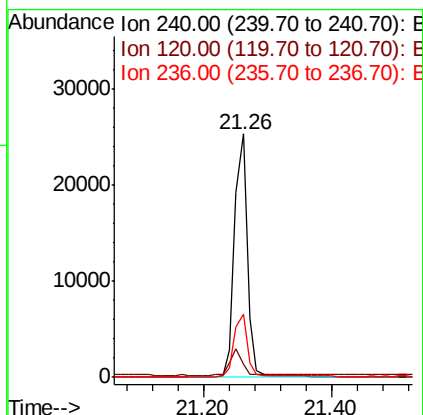
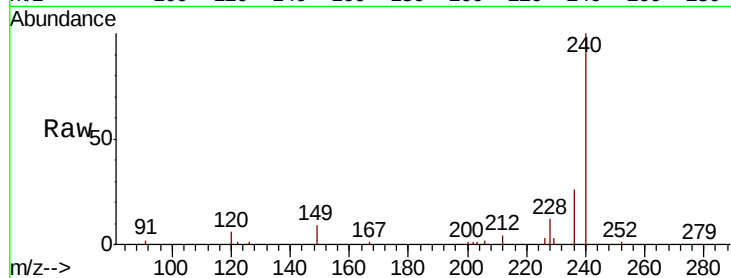




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.26 min Scan# 2180
 Delta R.T. -0.01 min
 Lab File: BN007762.D
 Acq: 20 Sep 2019 13:57

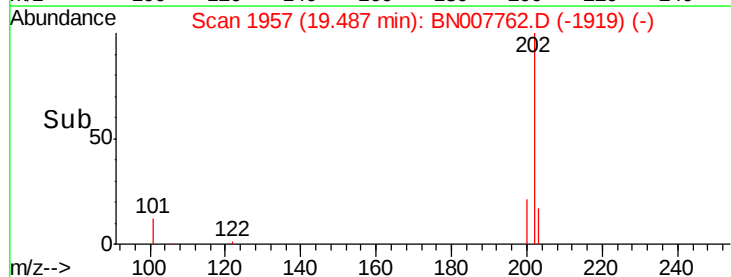
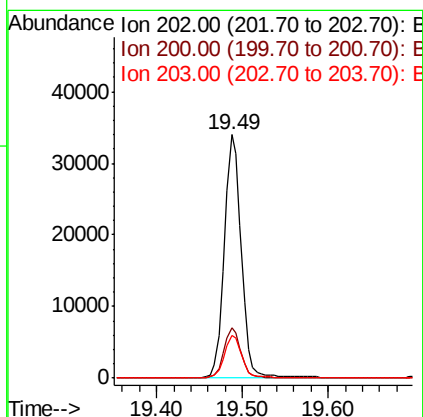
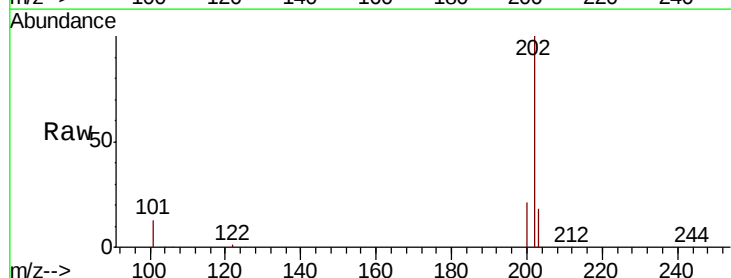
Instrument :
 BNA_N
 ClientSampleId :
 PB123061BSD

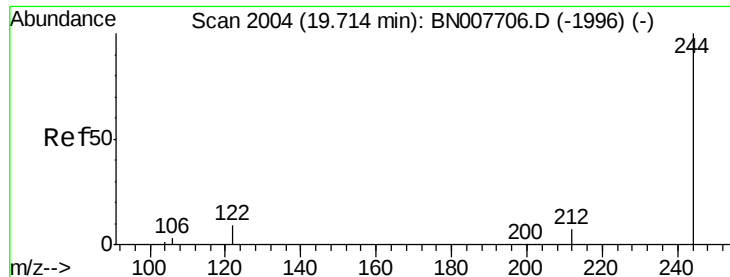
Tot Ion:240 Resp: 35097
 Ion Ratio Lower Upper
 240 100
 120 5.7 5.4 8.2
 236 26.2 21.0 31.4



#28
 Pyrene
 Concen: 0.385 ng
 RT: 19.49 min Scan# 1957
 Delta R.T. -0.01 min
 Lab File: BN007762.D
 Acq: 20 Sep 2019 13:57

Tgt Ion:202 Resp: 46108
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.4 24.6
 203 17.5 14.1 21.1





#29

Terphenyl-d14

Concen: 0.385 ng

RT: 19.70 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BN007762.D

Acq: 20 Sep 2019 13:57

Instrument :

BNA_N

ClientSampleId :

PB123061BSD

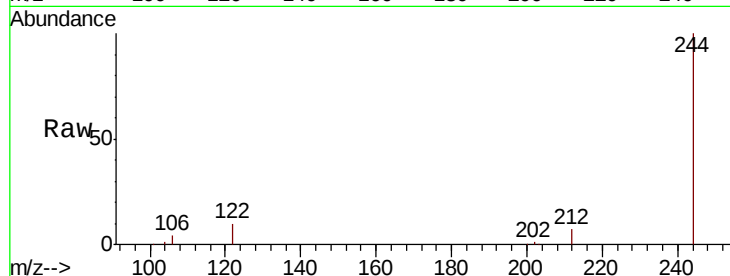
Tot Ion:244 Resp: 33212

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

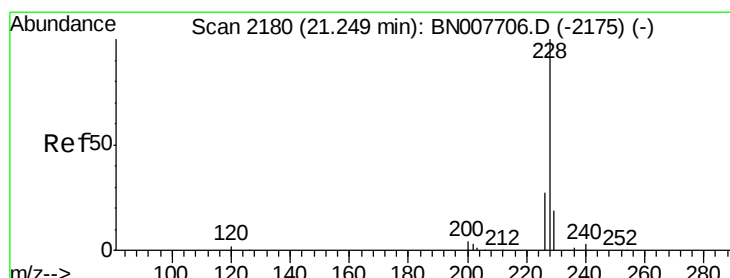
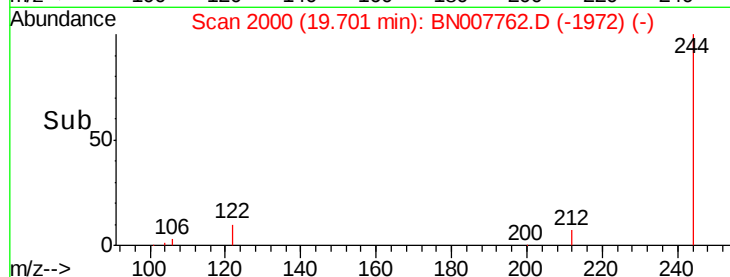
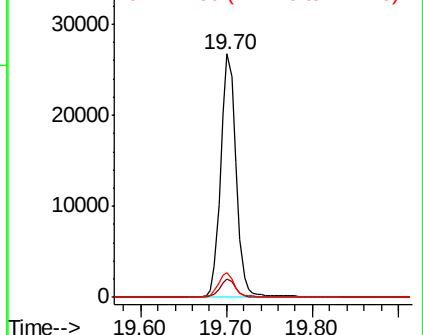
122 10.0 7.4 11.2



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: 0.386 ng

RT: 21.24 min Scan# 2178

Delta R.T. -0.01 min

Lab File: BN007762.D

Acq: 20 Sep 2019 13:57

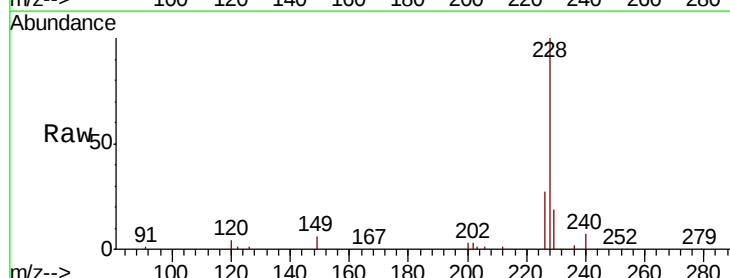
Tgt Ion:228 Resp: 49884

Ion Ratio Lower Upper

228 100

226 26.5 22.1 33.1

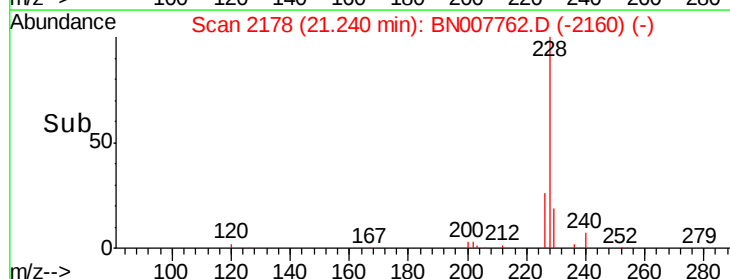
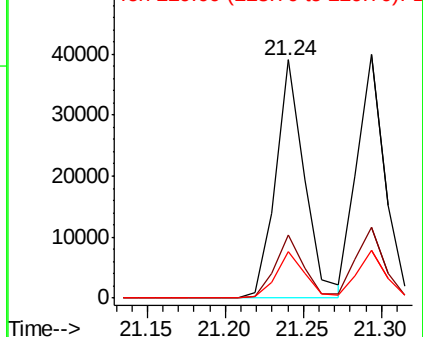
229 19.4 15.8 23.6

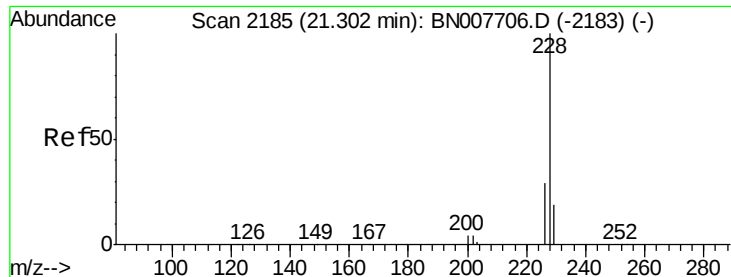


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.391 ng

RT: 21.29 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BN007762.D

Acq: 20 Sep 2019 13:57

Instrument :

BNA_N

ClientSampleId :

PB123061BSD

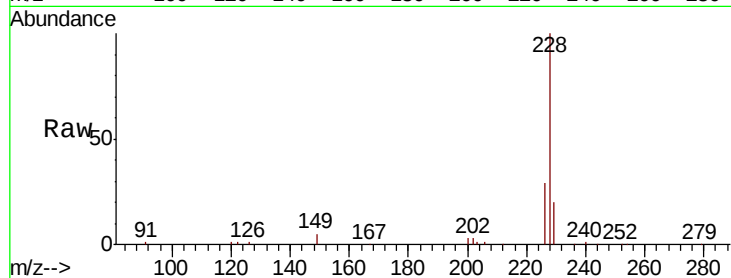
Tot Ion:228 Resp: 49264

Ion Ratio Lower Upper

228 100

226 29.0 23.9 35.9

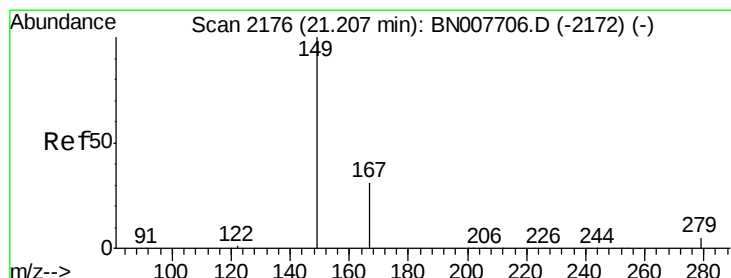
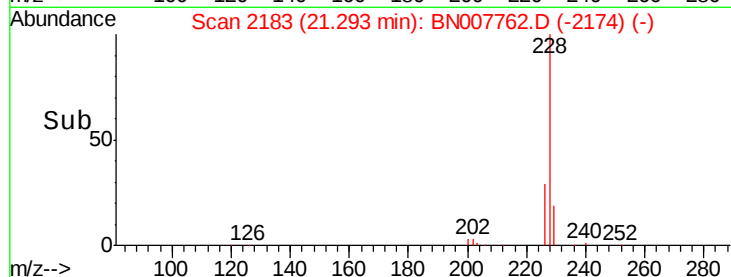
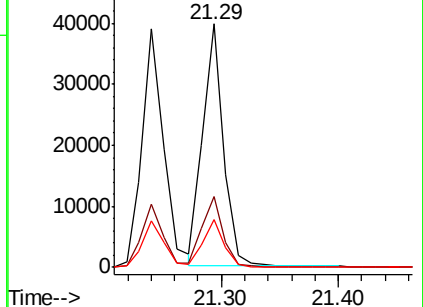
229 19.6 15.8 23.6



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: 0.433 ng

RT: 21.19 min Scan# 2173

Delta R.T. -0.02 min

Lab File: BN007762.D

Acq: 20 Sep 2019 13:57

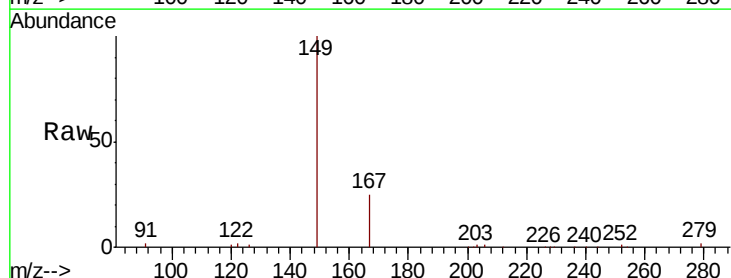
Tgt Ion:149 Resp: 28789

Ion Ratio Lower Upper

149 100

167 24.5 23.7 35.5

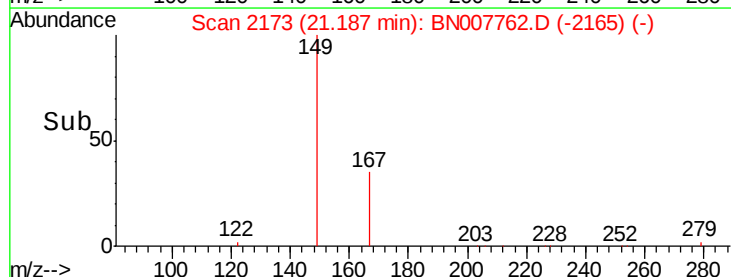
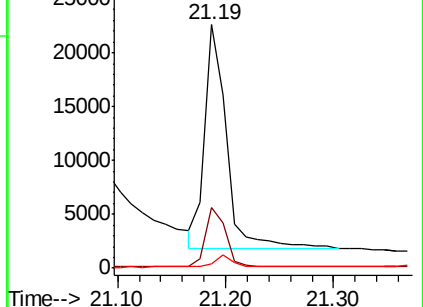
279 4.1 4.2 6.2#

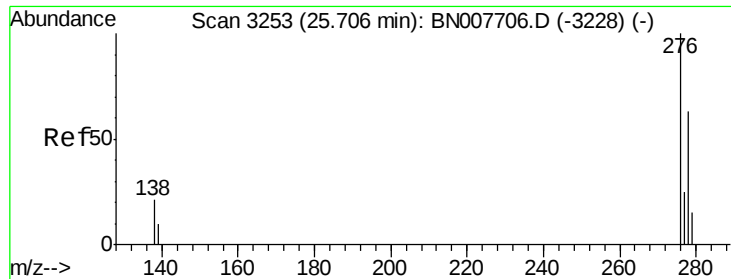


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

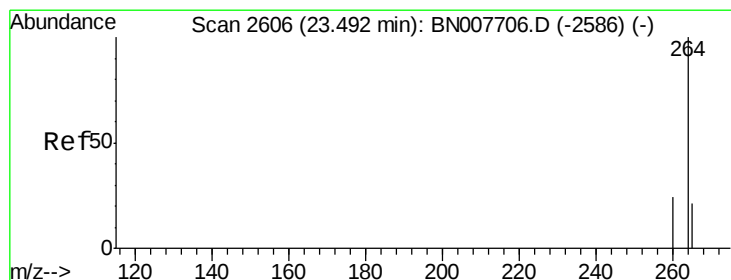
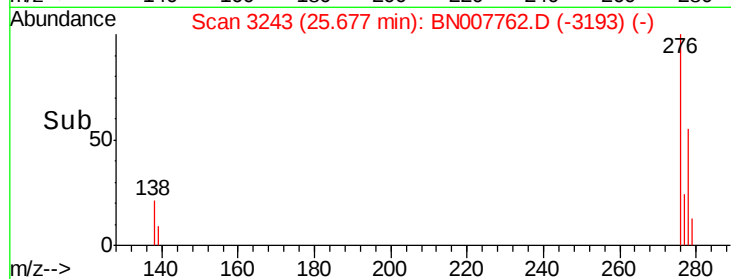
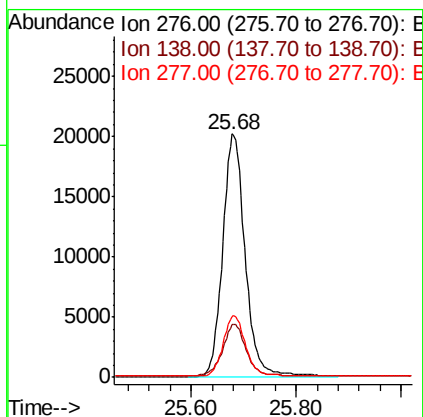
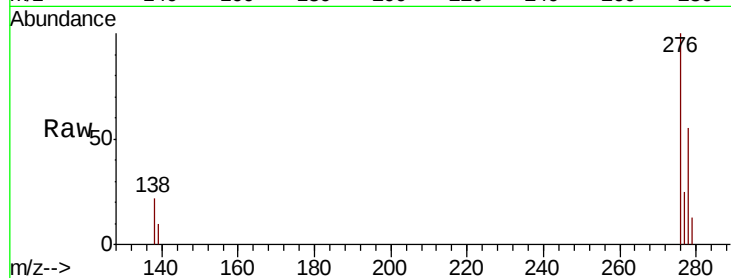




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.379 ng
 RT: 25.68 min Scan# 3243
 Delta R.T. -0.03 min
 Lab File: BN007762.D
 Acq: 20 Sep 2019 13:57

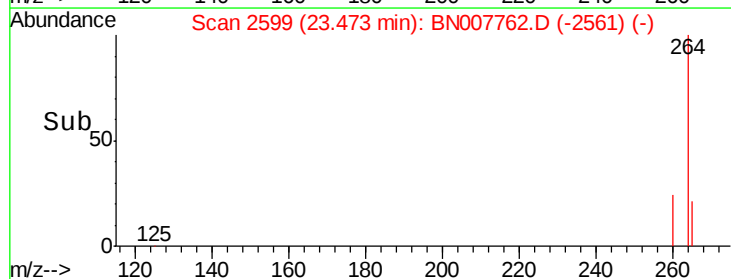
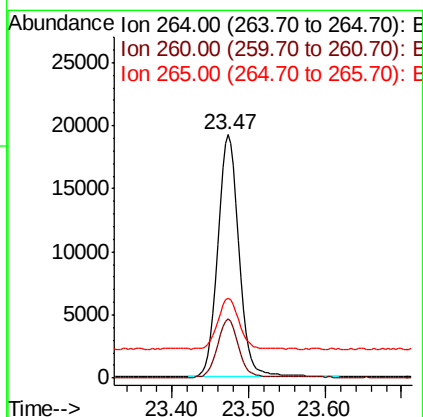
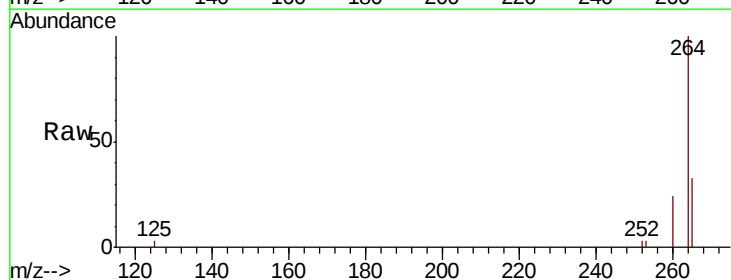
Instrument :
 BNA_N
 ClientSampleId :
 PB123061BSD

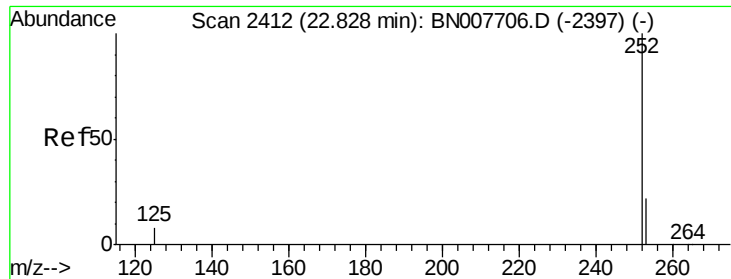
Tot Ion:276 Resp: 59805
 Ion Ratio Lower Upper
 276 100
 138 22.5 17.1 25.7
 277 24.9 20.0 30.0



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.47 min Scan# 2599
 Delta R.T. -0.02 min
 Lab File: BN007762.D
 Acq: 20 Sep 2019 13:57

Tgt Ion:264 Resp: 37660
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.3 28.9
 265 33.0 26.9 40.3

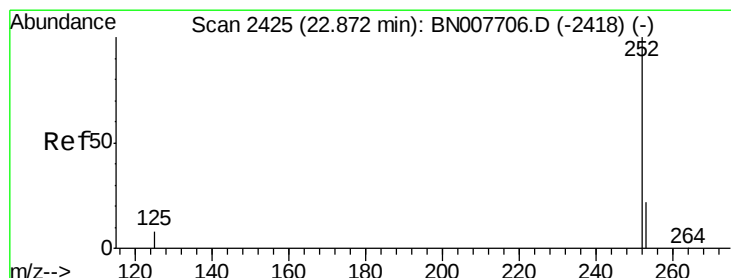
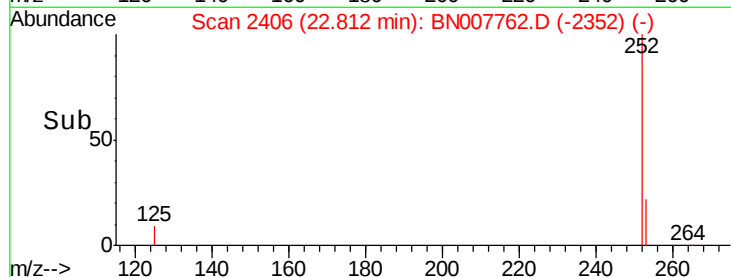
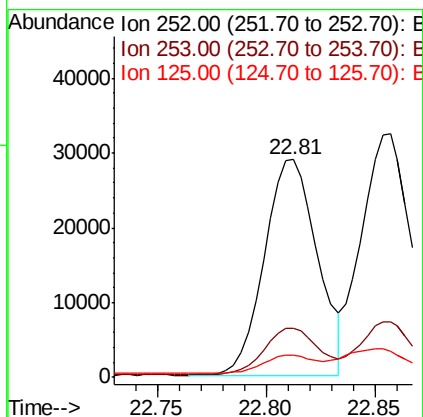
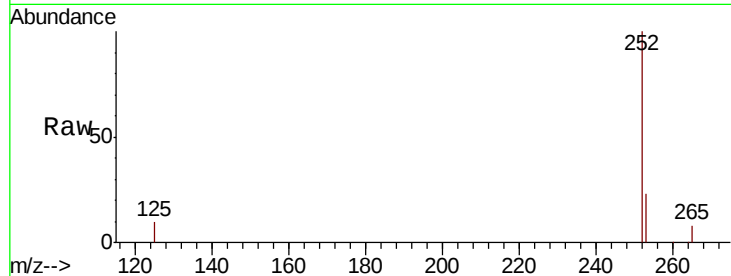




#35
Benzo(b)fluoranthene
Concen: 0.373 ng
RT: 22.81 min Scan# 2406
Delta R.T. -0.02 min
Lab File: BN007762.D
Acq: 20 Sep 2019 13:57

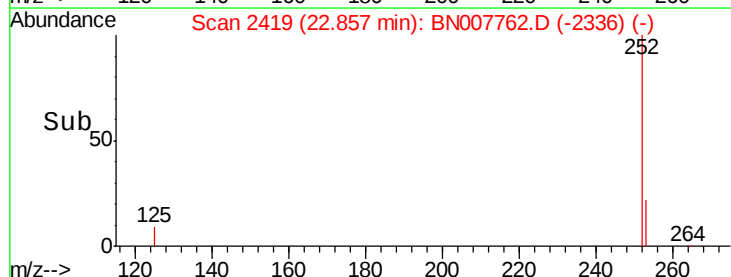
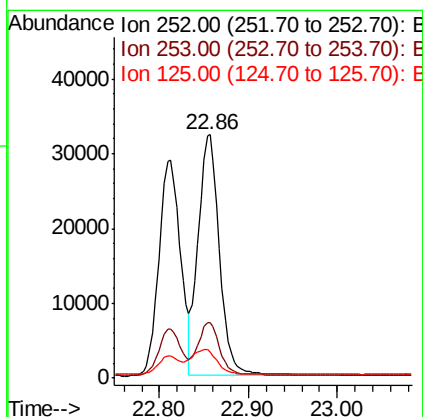
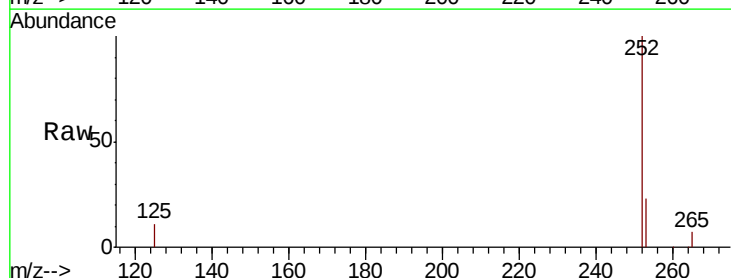
Instrument :
BNA_N
ClientSampleId :
PB123061BSD

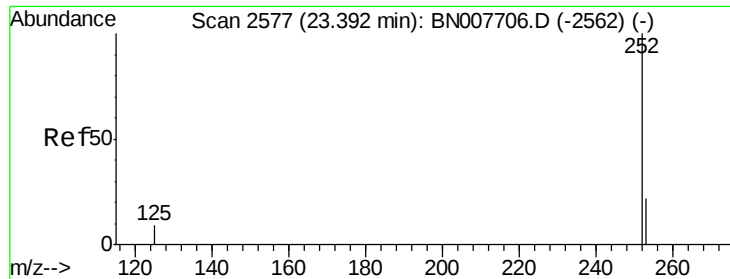
Tot Ion:252 Resp: 48823
Ion Ratio Lower Upper
252 100
253 22.8 18.3 27.5
125 10.2 8.2 12.4



#36
Benzo(k)fluoranthene
Concen: 0.414 ng
RT: 22.86 min Scan# 2419
Delta R.T. -0.02 min
Lab File: BN007762.D
Acq: 20 Sep 2019 13:57

Tgt Ion:252 Resp: 53568
Ion Ratio Lower Upper
252 100
253 23.0 18.5 27.7
125 10.8 8.4 12.6





#37

Benzo(a)pyrene

Concen: 0.375 ng

RT: 23.38 min Scan# 2571

Delta R.T. -0.02 min

Lab File: BN007762.D

Acq: 20 Sep 2019 13:57

Instrument :

BNA_N

ClientSampleId :

PB123061BSD

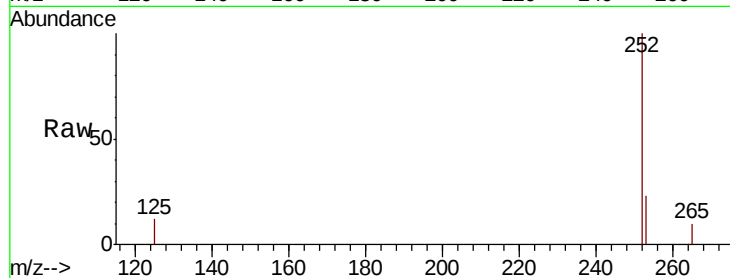
Tot Ion:252 Resp: 46045

Ion Ratio Lower Upper

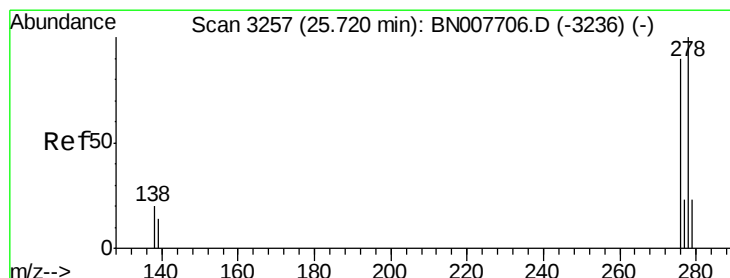
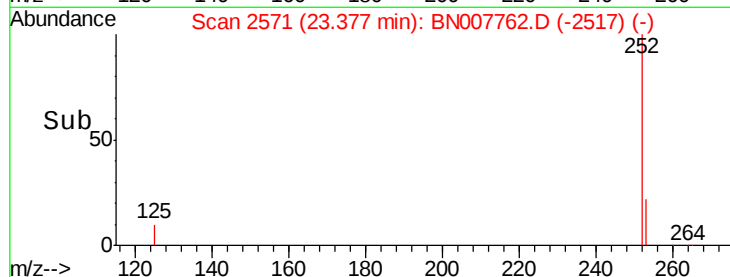
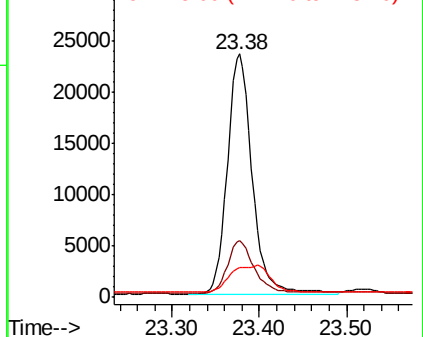
252 100

253 23.3 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: 0.383 ng

RT: 25.69 min Scan# 3248

Delta R.T. -0.03 min

Lab File: BN007762.D

Acq: 20 Sep 2019 13:57

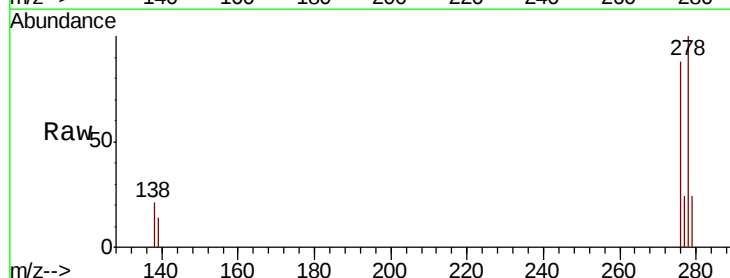
Tgt Ion:278 Resp: 48191

Ion Ratio Lower Upper

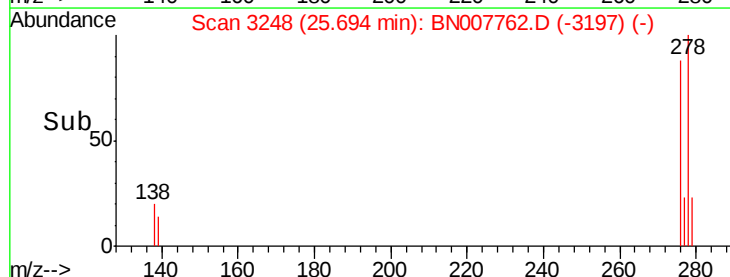
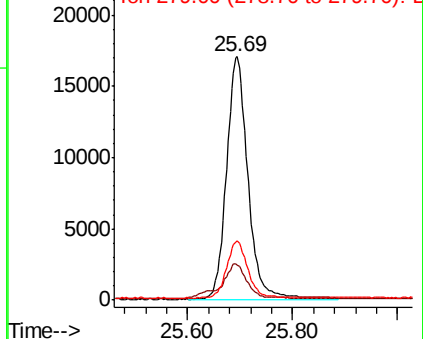
278 100

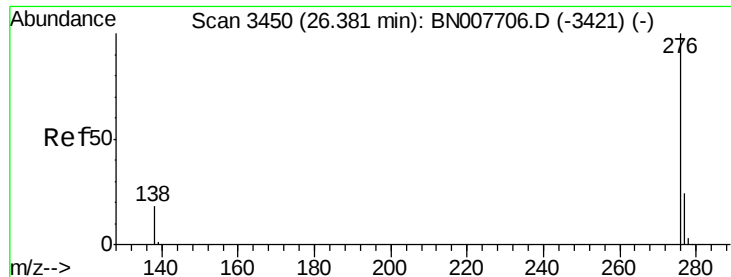
139 14.5 11.8 17.6

279 24.2 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: 0.375 ng

RT: 26.35 min Scan# 3440

Delta R.T. -0.03 min

Lab File: BN007762.D

Acq: 20 Sep 2019 13:57

Instrument :

BNA_N

ClientSampleId :

PB123061BSD

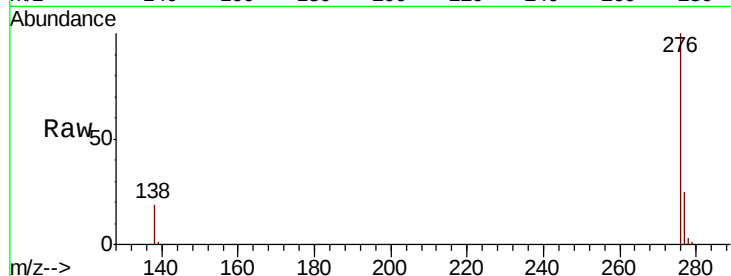
Tot Ion: 276 Resp: 46700

Ion Ratio Lower Upper

276 100

277 24.6 19.8 29.8

138 19.4 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

