

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN042820\
 Data File : BN010620.D
 Acq On : 28 Apr 2020 10:42
 Operator : CG/JU
 Sample : PB128436BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB128436BS

Quant Time: Apr 28 11:15:20 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 28 11:13:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	4157	0.40	ng	0.00
7) Naphthalene-d8	10.34	136	17604	0.40	ng	0.00
13) Acenaphthene-d10	14.21	164	11623	0.40	ng	0.00
19) Phenanthrene-d10	16.96	188	26819	0.40	ng	0.00
27) Chrysene-d12	21.17	240	23465	0.40	ng	0.00
34) Perylene-d12	23.33	264	21561	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.24	112	3129	0.34	ng	0.00
5) Phenol-d6	6.78	99	3981	0.33	ng	0.00
8) Nitrobenzene-d5	8.72	82	3956	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	11.94	152	16161	0.56	ng	0.00
14) 2,4,6-Tribromophenol	15.71	330	1477	0.27	ng	0.00
15) 2-Fluorobiphenyl	12.83	172	13294	0.31	ng	0.00
25) Fluoranthene-d10	19.00	212	23876	0.29	ng	0.00
29) Terphenyl-d14	19.61	244	18999	0.35	ng	0.00

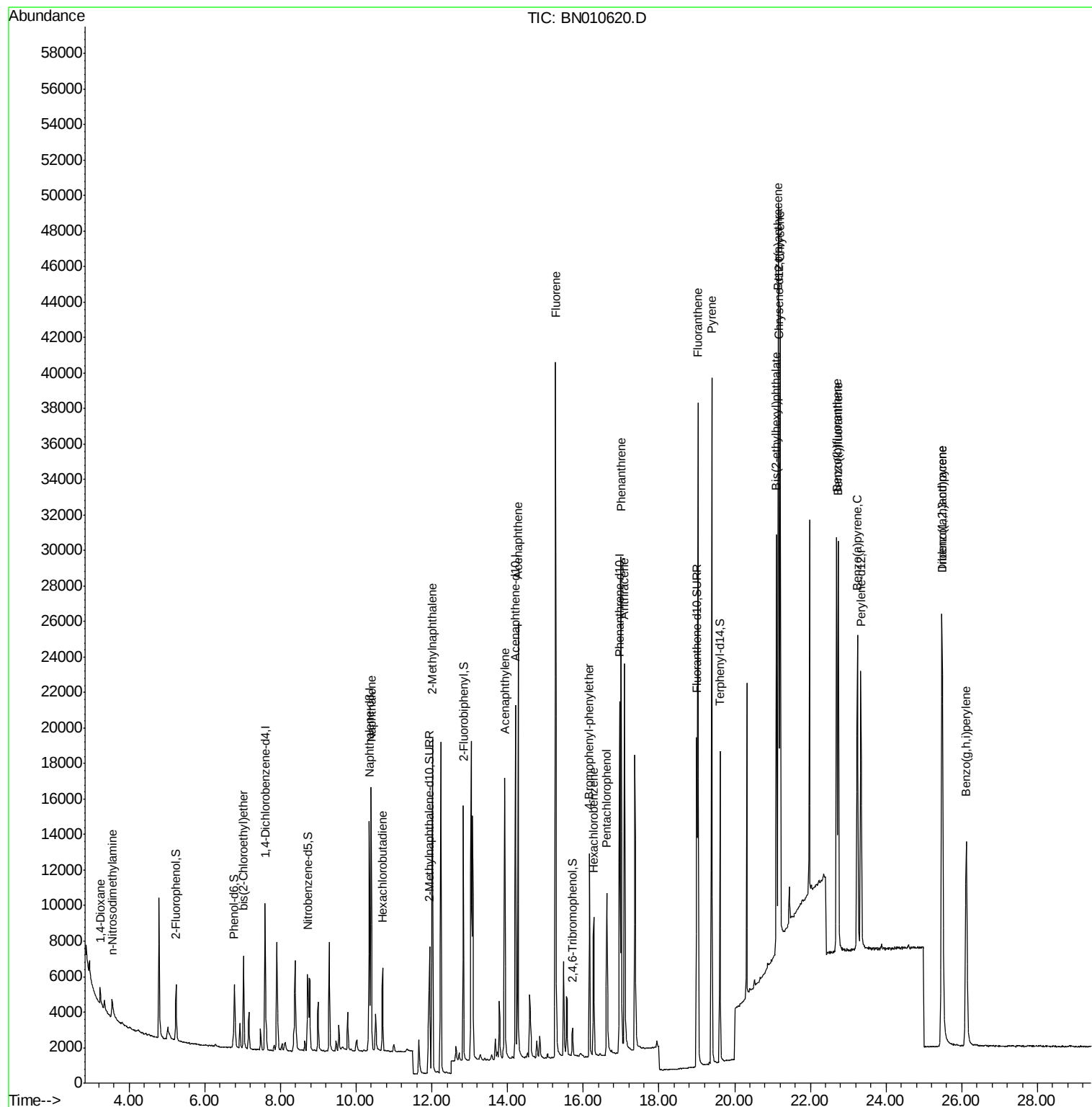
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.23	88	914	0.299	ng	# 82
3) n-Nitrosodimethylamine	3.55	42	785	0.396	ng	# 100
6) bis(2-Chloroethyl)ether	7.03	93	4546	0.441	ng	98
9) Naphthalene	10.39	128	18779	0.430	ng	99
10) Hexachlorobutadiene	10.70	225	4019	0.381	ng	# 99
12) 2-Methylnaphthalene	12.01	142	14036	0.447	ng	98
16) Acenaphthylene	13.93	152	20778	0.414	ng	100
17) Acenaphthene	14.28	154	13564	0.420	ng	100
18) Fluorene	15.27	166	17738	0.420	ng	100
20) 4-Bromophenyl-phenylether	16.16	248	5630	0.378	ng	# 89
21) Hexachlorobenzene	16.28	284	6866	0.404	ng	99
22) Pentachlorophenol	16.62	266	6045	0.904	ng	97
23) Phenanthrene	17.00	178	30050	0.415	ng	99
24) Anthracene	17.09	178	27037	0.408	ng	100
26) Fluoranthene	19.03	202	36260	0.402	ng	99
28) Pyrene	19.39	202	36670	0.464	ng	99
30) Benzo(a)anthracene	21.16	228	30859	0.403	ng	97
31) Chrysene	21.20	228	31199	0.409	ng	99
32) Bis(2-ethylhexyl)phthalate	21.10	149	18707	0.476	ng	99
33) Indeno(1,2,3-cd)pyrene	25.48	276	31207	0.463	ng	100
35) Benzo(b)fluoranthene	22.69	252	28506	0.402	ng	97
36) Benzo(k)fluoranthene	22.73	252	29863	0.420	ng	97
37) Benzo(a)pyrene	23.24	252	26746	0.426	ng	98
38) Dibenzo(a,h)anthracene	25.49	278	25559	0.445	ng	# 88
39) Benzo(g,h,i)perylene	26.12	276	26767	0.463	ng	99

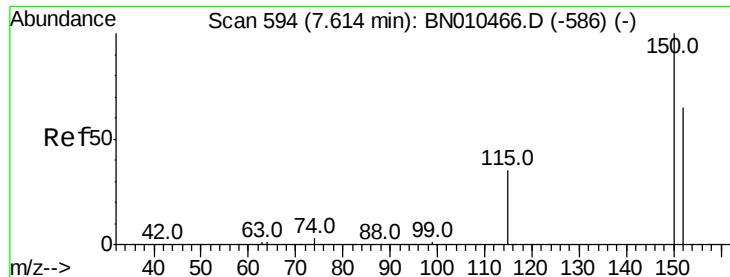
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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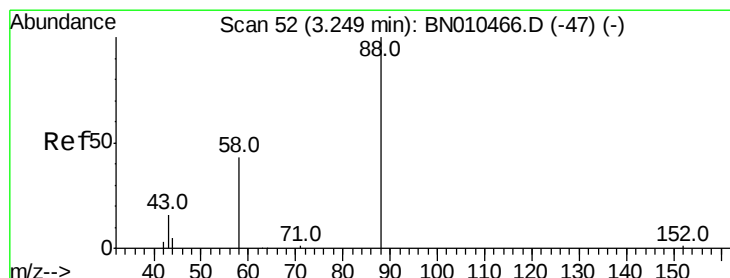
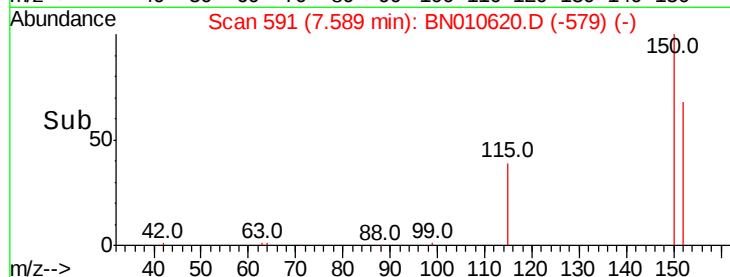
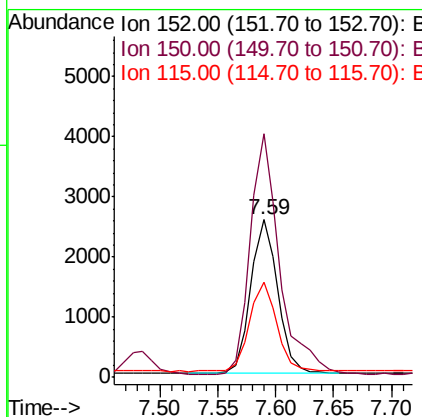
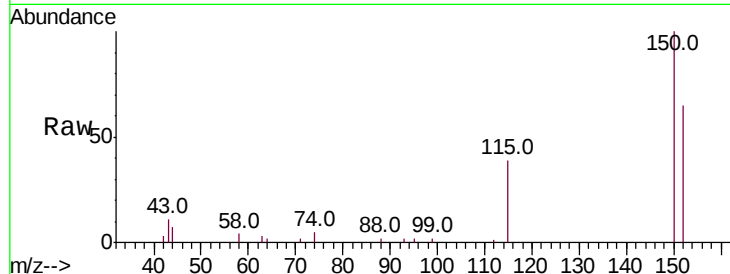


#1

1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.59 min Scan# 591
 Delta R.T. -0.00 min
 Lab File: BN010620.D
 Acq: 28 Apr 2020 10:42

Instrument :
 BNA_N
 ClientSampleId :
 PB128436BS

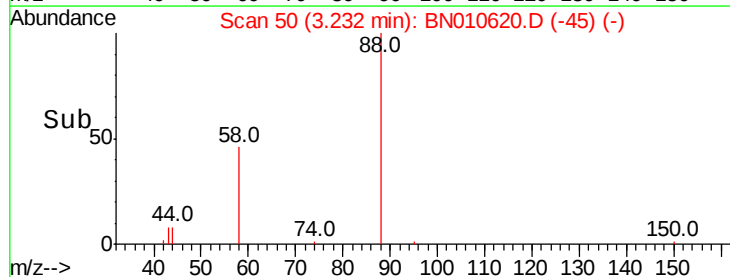
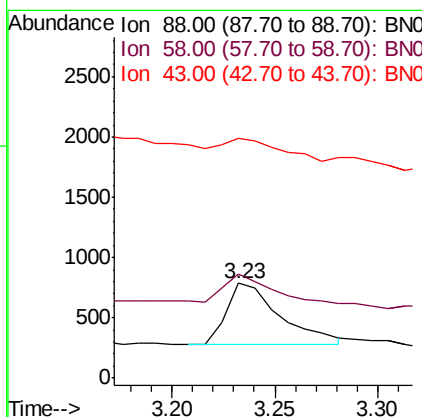
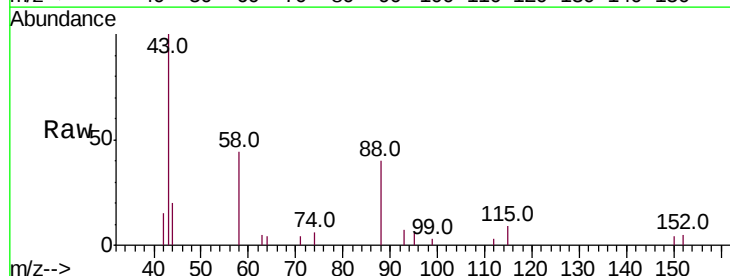
Tot Ion:152 Resp: 4157
 Ion Ratio Lower Upper
 152 100
 150 154.5 121.8 182.6
 115 60.3 45.5 68.3

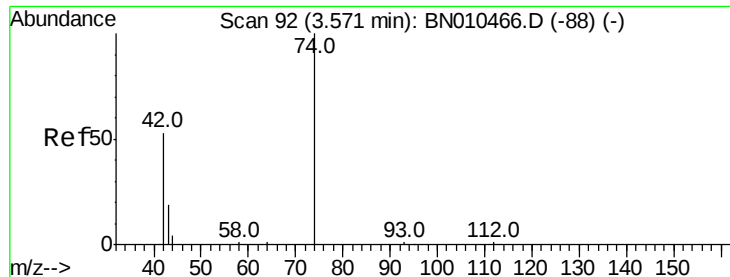


#2

1,4-Dioxane
 Concen: 0.299 ng
 RT: 3.23 min Scan# 50
 Delta R.T. -0.01 min
 Lab File: BN010620.D
 Acq: 28 Apr 2020 10:42

Tgt Ion: 88 Resp: 914
 Ion Ratio Lower Upper
 88 100
 58 42.0 36.5 54.7
 43 38.7 13.2 19.8#





#3

n-Nitrosodimethylamine

Concen: 0.396 ng

RT: 3.55 min Scan# 89

Delta R.T. 0.00 min

Lab File: BN010620.D

Acq: 28 Apr 2020 10:42

Instrument :

BNA_N

ClientSampleId :

PB128436BS

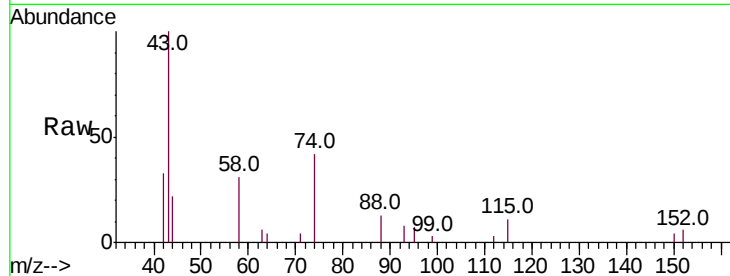
Tot Ion: 42 Resp: 785

Ion Ratio Lower Upper

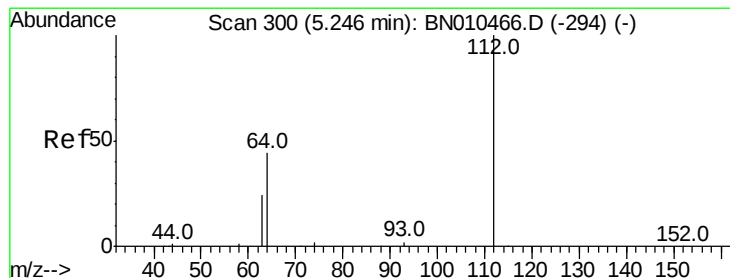
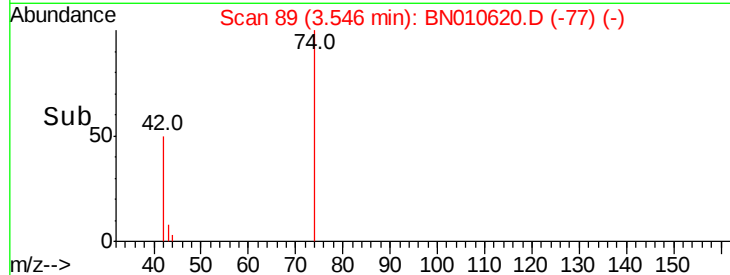
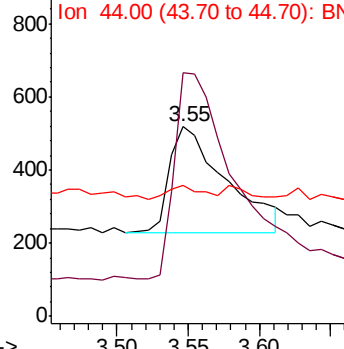
42 100

74 203.2 162.2 243.4

44 7.3 2.4 3.6#



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



#4

2-Fluorophenol

Concen: 0.344 ng

RT: 5.24 min Scan# 299

Delta R.T. 0.01 min

Lab File: BN010620.D

Acq: 28 Apr 2020 10:42

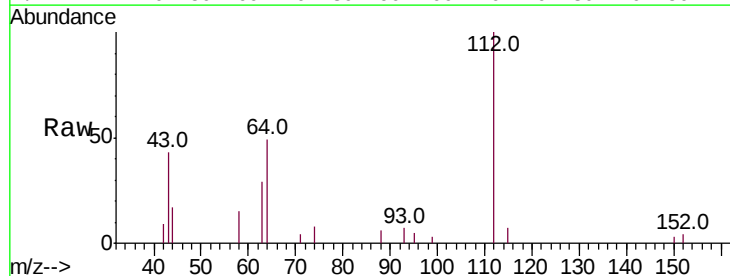
Tgt Ion: 112 Resp: 3129

Ion Ratio Lower Upper

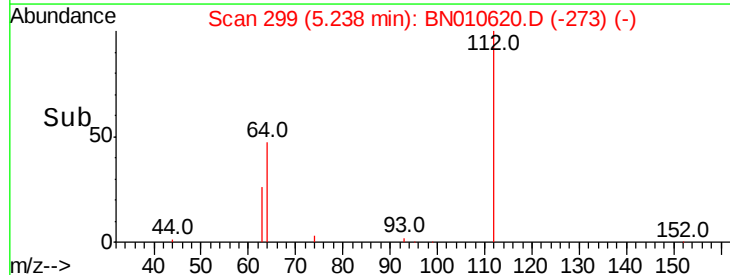
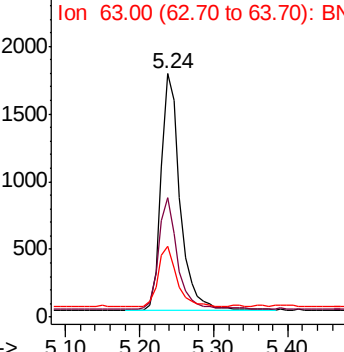
112 100

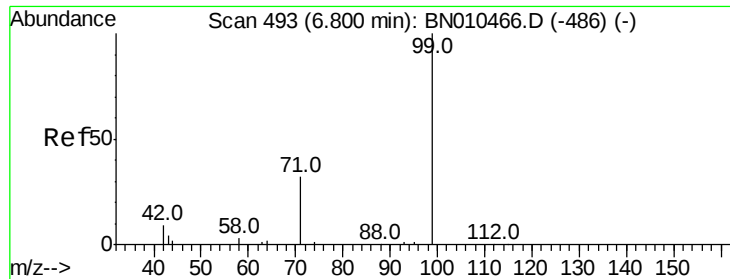
64 45.5 35.8 53.8

63 25.1 19.9 29.9



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





#5

Phenol-d6

Concen: 0.335 ng

RT: 6.78 min Scan# 491

Delta R.T. -0.00 min

Lab File: BN010620.D

Acq: 28 Apr 2020 10:42

Instrument :

BNA_N

ClientSampleId :

PB128436BS

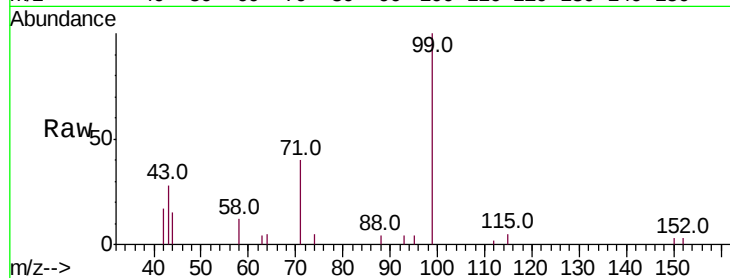
Tot Ion: 99 Resp: 3981

Ion Ratio Lower Upper

99 100

42 12.8 9.8 14.6

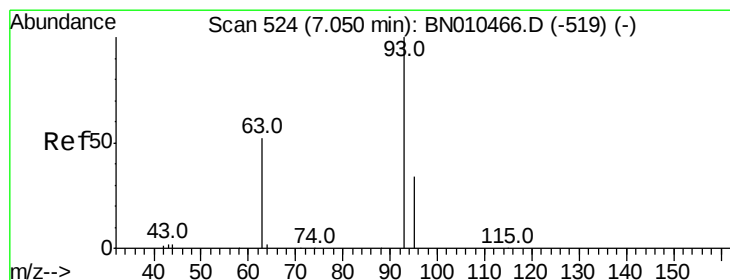
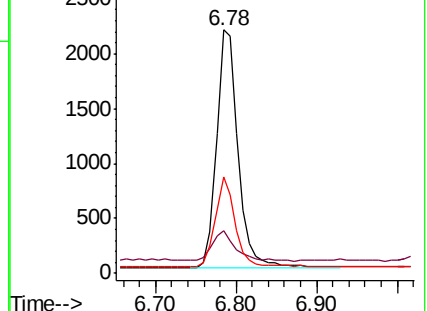
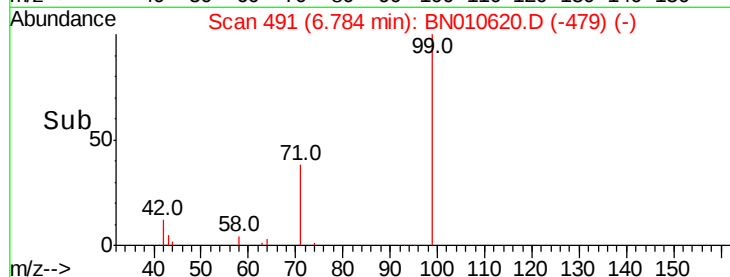
71 35.4 27.8 41.8



Abundance Ion 99.00 (98.70 to 99.70): BN010466.D (-486) (-)

Ion 42.00 (41.70 to 42.70): BN010466.D (-486) (-)

Ion 71.00 (70.70 to 71.70): BN010466.D (-486) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.441 ng

RT: 7.03 min Scan# 521

Delta R.T. -0.00 min

Lab File: BN010620.D

Acq: 28 Apr 2020 10:42

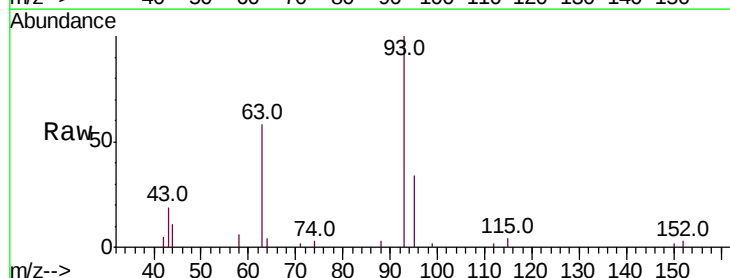
Tgt Ion: 93 Resp: 4546

Ion Ratio Lower Upper

93 100

63 57.4 44.6 66.8

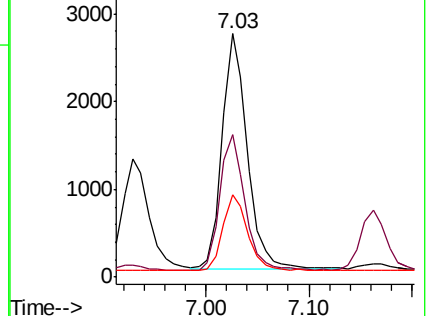
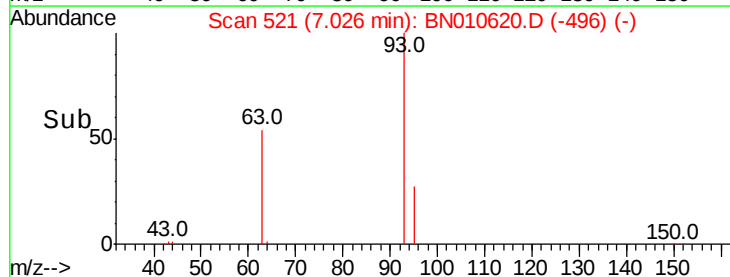
95 32.8 26.5 39.7

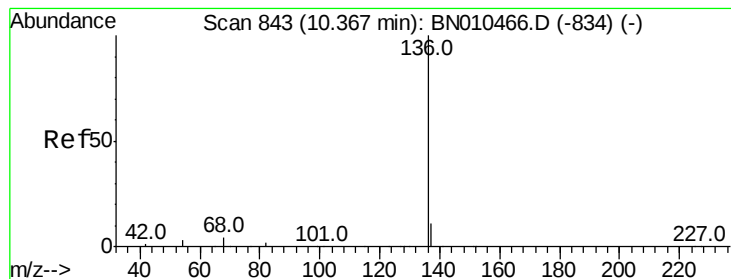


Abundance Ion 93.00 (92.70 to 93.70): BN010466.D (-519) (-)

Ion 63.00 (62.70 to 63.70): BN010466.D (-519) (-)

Ion 95.00 (94.70 to 95.70): BN010466.D (-519) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.34 min Scan# 841

Delta R.T. -0.00 min

Lab File: BN010620.D

Acq: 28 Apr 2020 10:42

Instrument :

BNA_N

ClientSampleId :

PB128436BS

Tot Ion:136 Resp: 17604

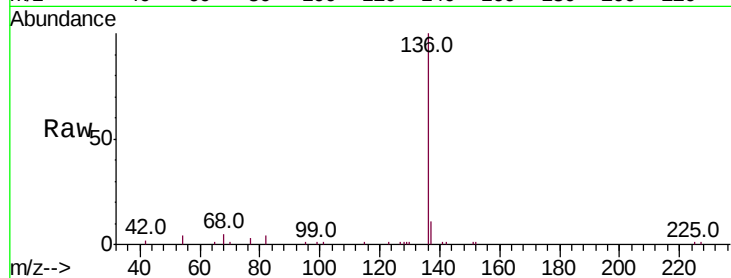
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 4.2 2.6 4.0#

68 5.2 3.4 5.2#

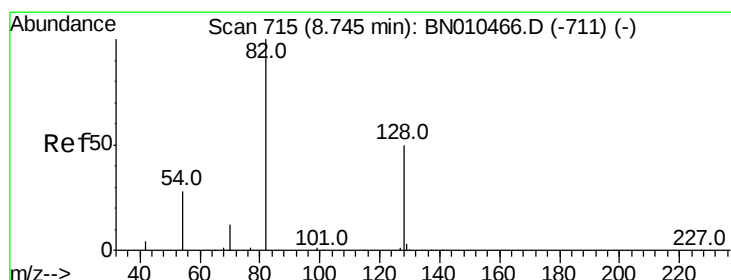
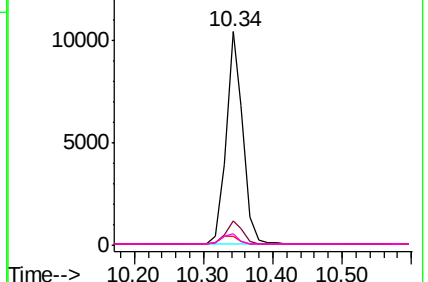
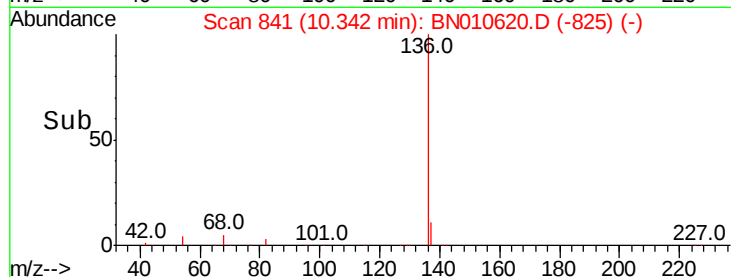


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.321 ng

RT: 8.72 min Scan# 713

Delta R.T. -0.00 min

Lab File: BN010620.D

Acq: 28 Apr 2020 10:42

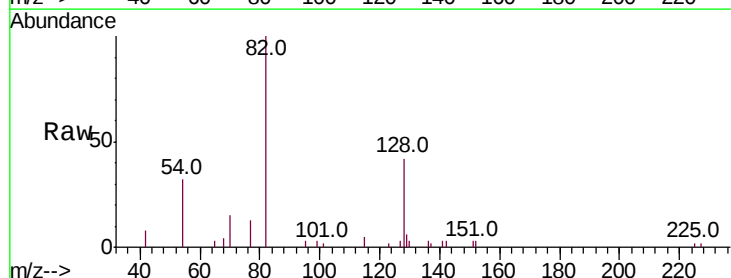
Tgt Ion: 82 Resp: 3956

Ion Ratio Lower Upper

82 100

128 42.3 41.3 61.9

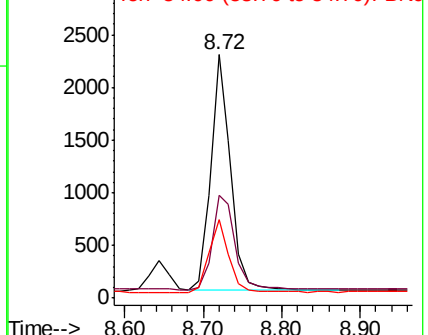
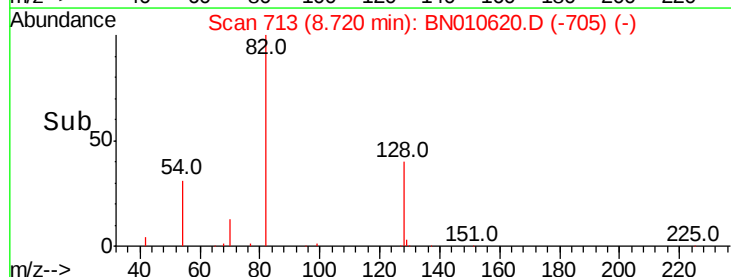
54 32.4 23.4 35.0

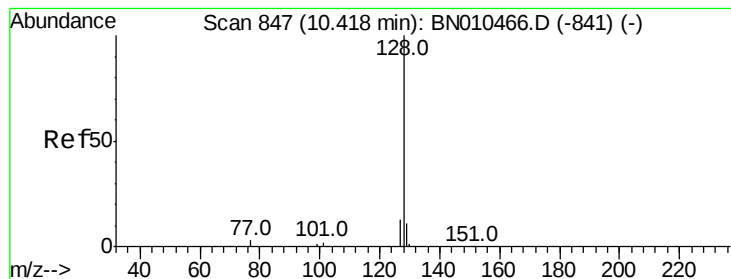


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.430 ng

RT: 10.39 min Scan# 845

Delta R.T. -0.00 min

Lab File: BN010620.D

Acq: 28 Apr 2020 10:42

Instrument :

BNA_N

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PB128436BS

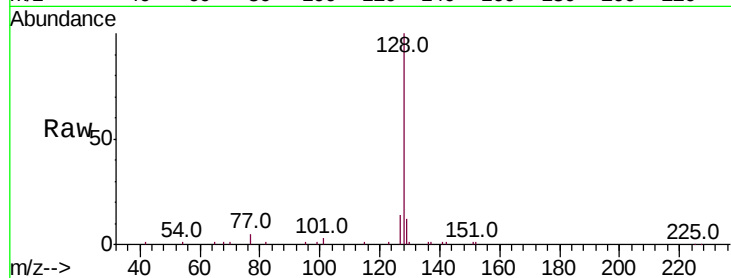
Tot Ion:128 Resp: 18779

Ion Ratio Lower Upper

128 100

129 11.6 9.3 13.9

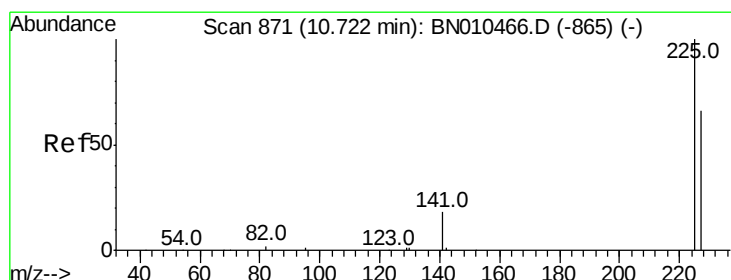
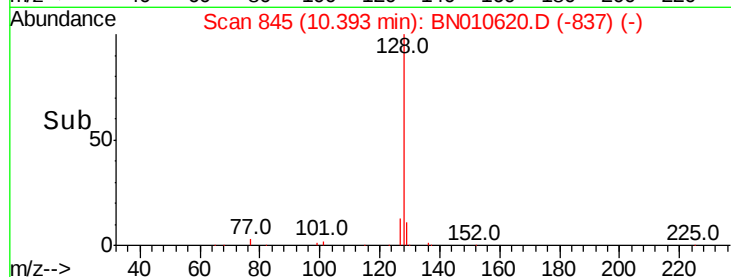
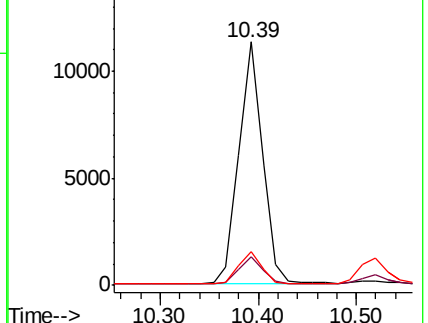
127 13.6 10.5 15.7



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: 0.381 ng

RT: 10.70 min Scan# 869

Delta R.T. 0.01 min

Lab File: BN010620.D

Acq: 28 Apr 2020 10:42

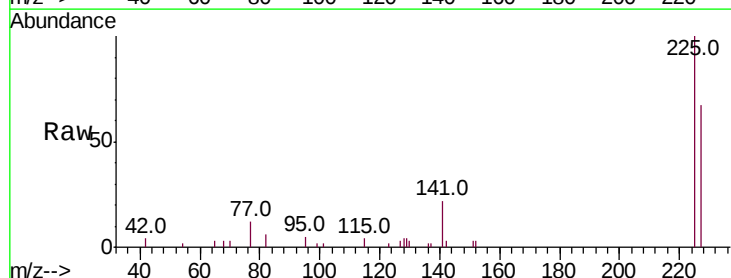
Tgt Ion:225 Resp: 4019

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

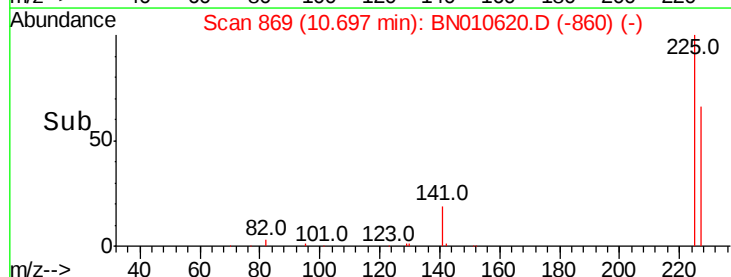
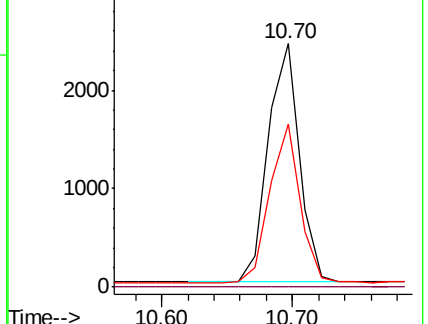
227 63.9 50.6 76.0

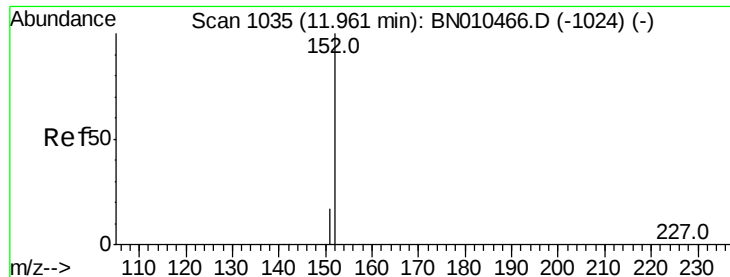


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

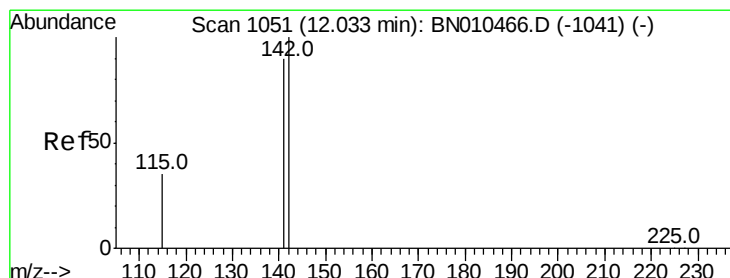
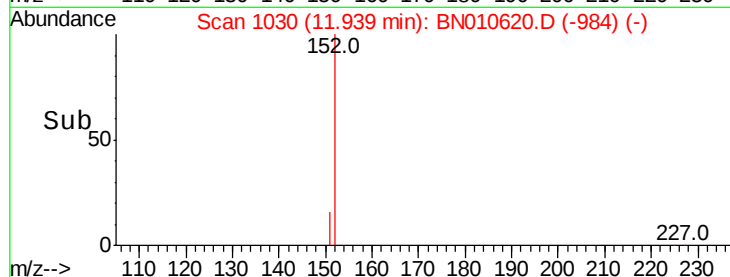
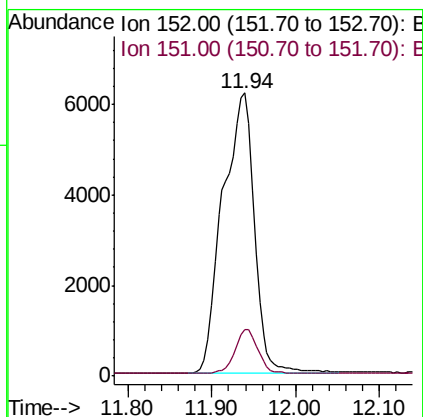
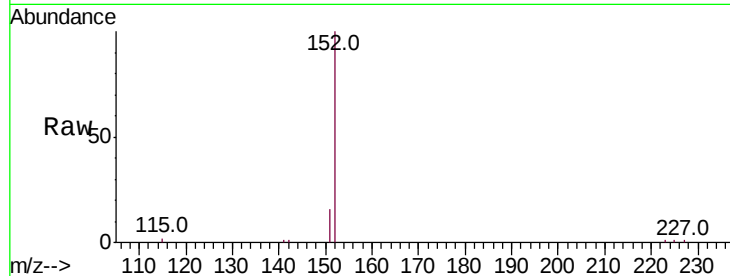




#11
 2-Methylnaphthalene-d10
 Concen: 0.558 ng
 RT: 11.94 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: BN010620.D
 Acq: 28 Apr 2020 10:42

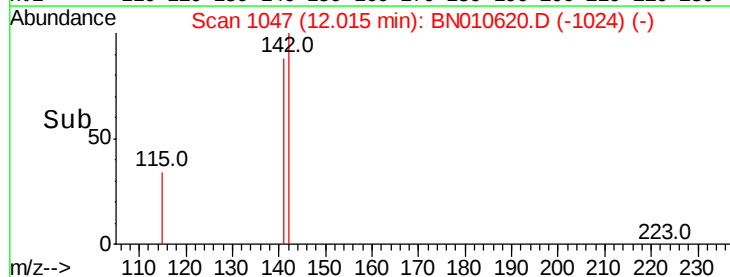
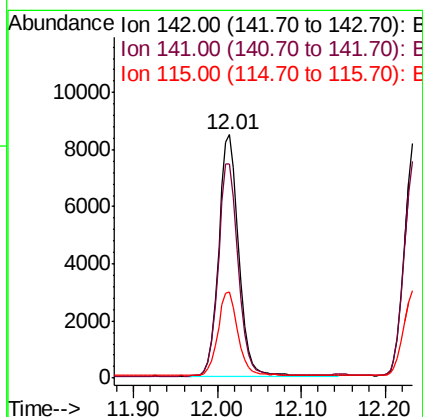
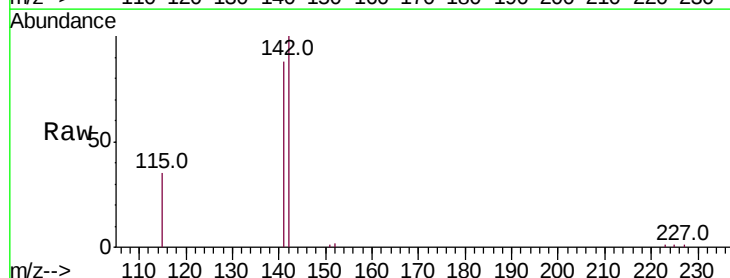
Instrument :
 BNA_N
 ClientSampleId :
 PB128436BS

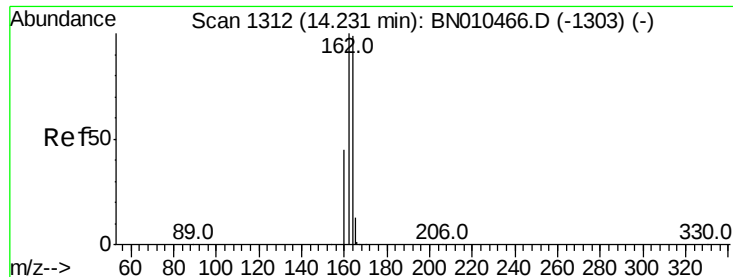
Tot Ion:152 Resp: 16161
 Ion Ratio Lower Upper
 152 100
 151 11.2 15.3 22.9#



#12
 2-Methylnaphthalene
 Concen: 0.447 ng
 RT: 12.01 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: BN010620.D
 Acq: 28 Apr 2020 10:42

Tgt Ion:142 Resp: 14036
 Ion Ratio Lower Upper
 142 100
 141 88.1 71.9 107.9
 115 35.2 28.8 43.2





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.21 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BN010620.D

Acq: 28 Apr 2020 10:42

Instrument :

BNA_N

ClientSampleId :

PB128436BS

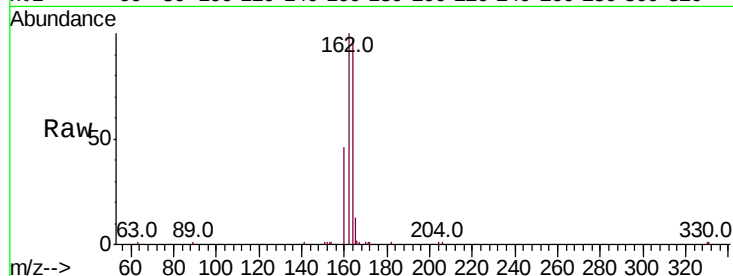
Tot Ion:164 Resp: 11623

Ion Ratio Lower Upper

164 100

162 103.0 80.6 121.0

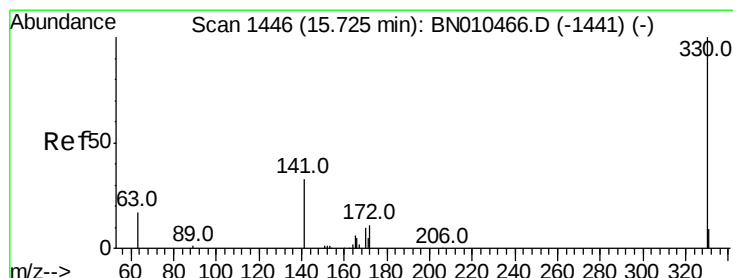
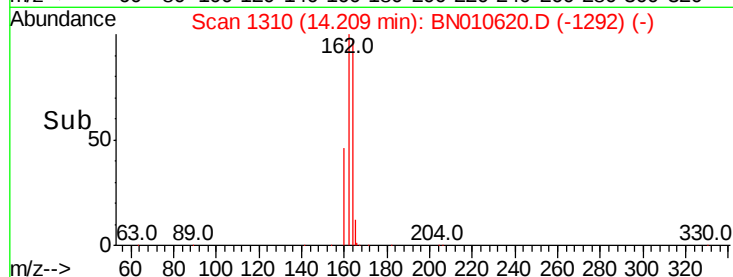
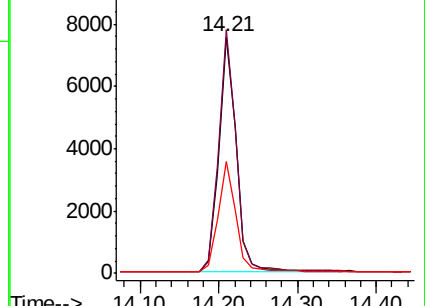
160 47.5 36.5 54.7



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: 0.270 ng

RT: 15.71 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BN010620.D

Acq: 28 Apr 2020 10:42

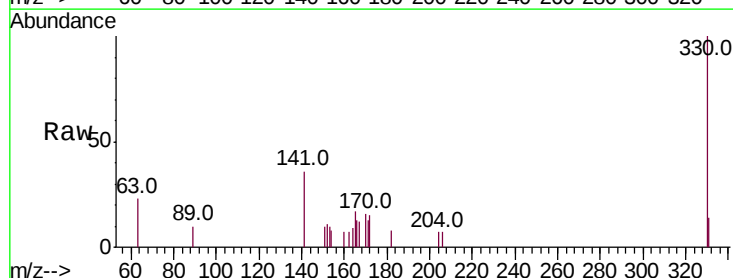
Tgt Ion:330 Resp: 1477

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

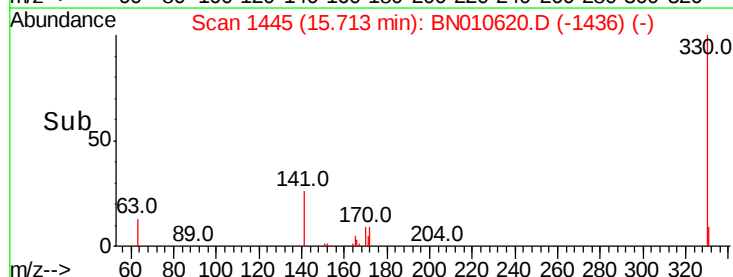
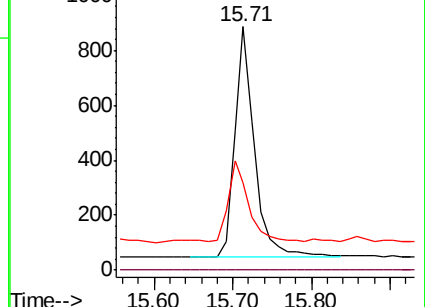
141 36.1 28.1 42.1

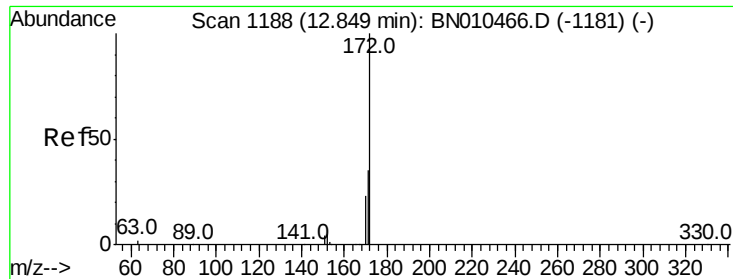


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

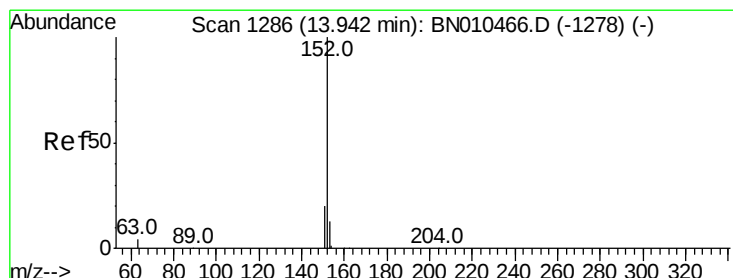
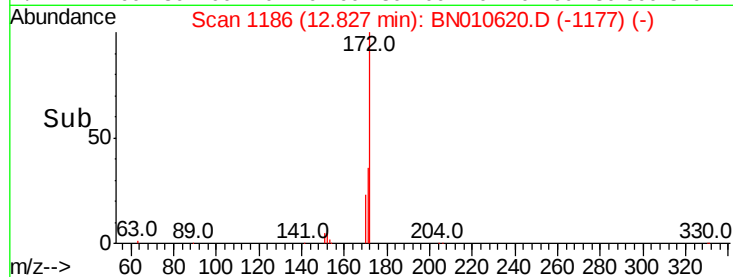
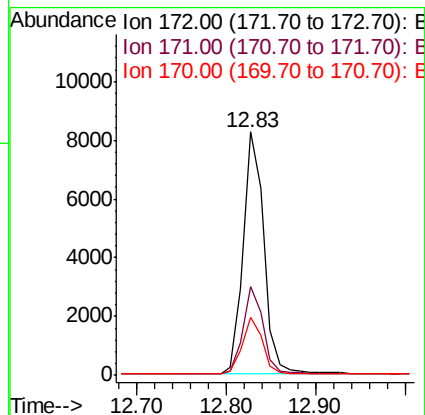
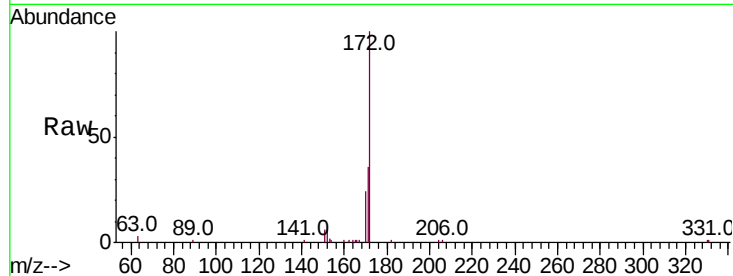




#15
 2-Fluorobiphenyl
 Concen: 0.314 ng
 RT: 12.83 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: BN010620.D
 Acq: 28 Apr 2020 10:42

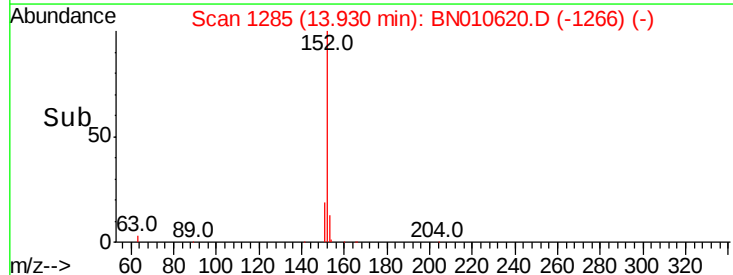
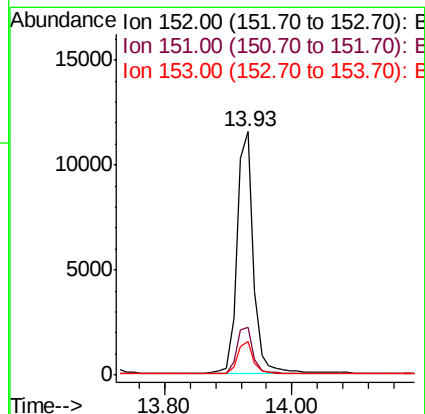
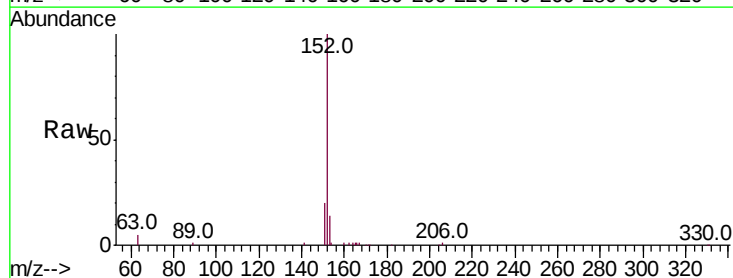
Instrument :
 BNA_N
 ClientSampleId :
 PB128436BS

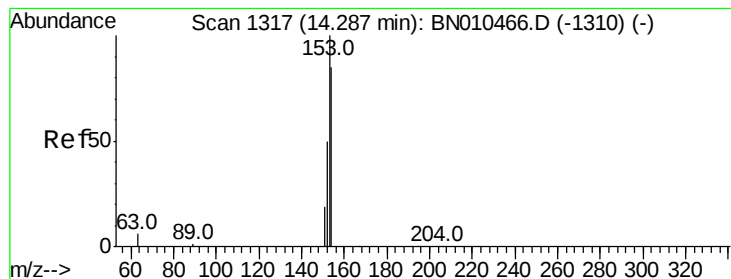
Tot Ion:172 Resp: 13294
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.2 42.2
 170 23.9 18.4 27.6



#16
 Acenaphthylene
 Concen: 0.414 ng
 RT: 13.93 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: BN010620.D
 Acq: 28 Apr 2020 10:42

Tgt Ion:152 Resp: 20778
 Ion Ratio Lower Upper
 152 100
 151 19.5 15.7 23.5
 153 13.1 10.6 15.8





#17

Acenaphthene

Concen: 0.420 ng

RT: 14.28 min Scan# 1316

Delta R.T. -0.00 min

Lab File: BN010620.D

Acq: 28 Apr 2020 10:42

Instrument :

BNA_N

ClientSampleId :

PB128436BS

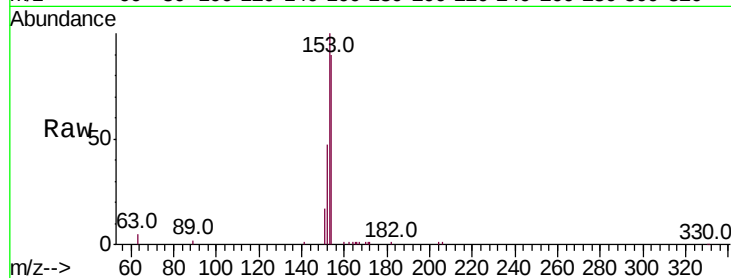
Tot Ion:154 Resp: 13564

Ion Ratio Lower Upper

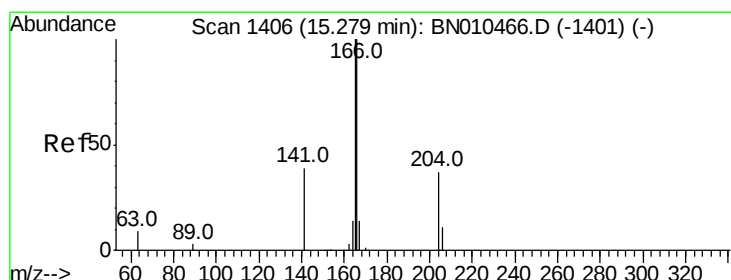
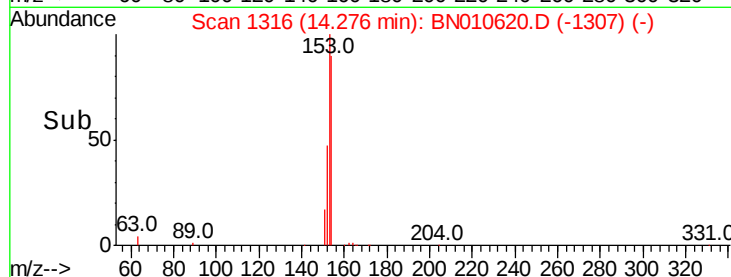
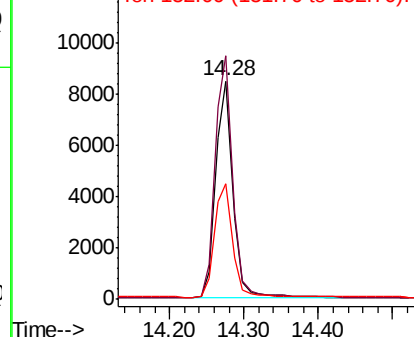
154 100

153 113.6 91.0 136.4

152 55.1 44.6 67.0



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: 0.420 ng

RT: 15.27 min Scan# 1405

Delta R.T. -0.00 min

Lab File: BN010620.D

Acq: 28 Apr 2020 10:42

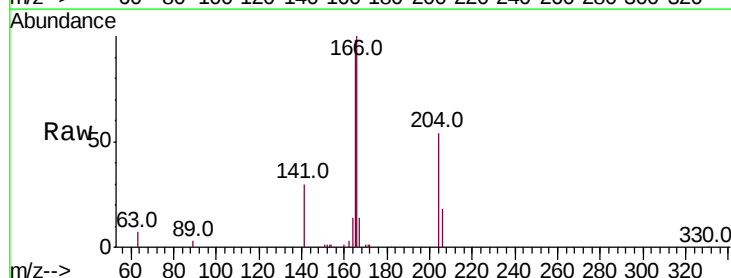
Tgt Ion:166 Resp: 17738

Ion Ratio Lower Upper

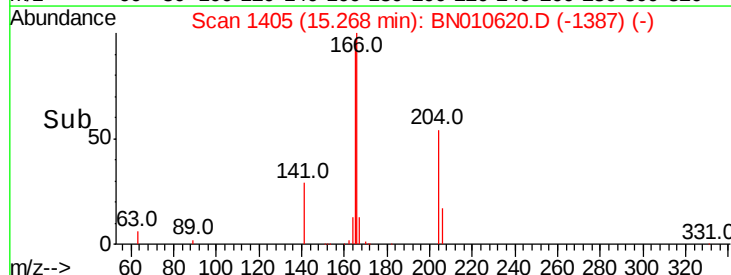
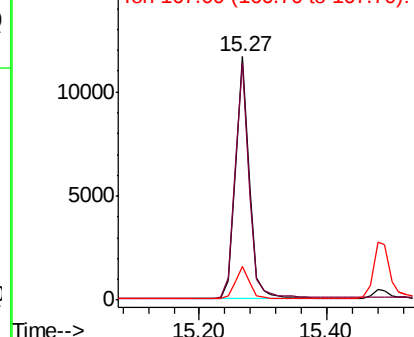
166 100

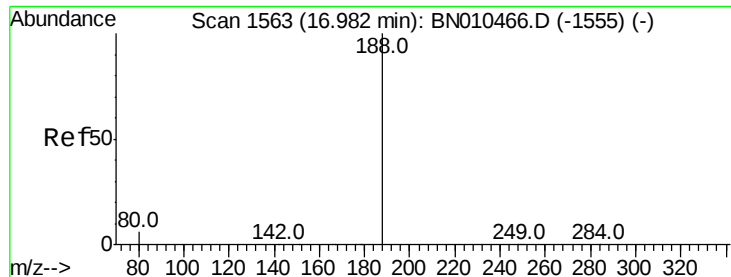
165 98.1 78.4 117.6

167 13.5 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: 16.96 min Scan# 1561

Delta R.T. -0.00 min

Lab File: BN010620.D

Acq: 28 Apr 2020 10:42

Instrument :

BNA_N

ClientSampleId :

PB128436BS

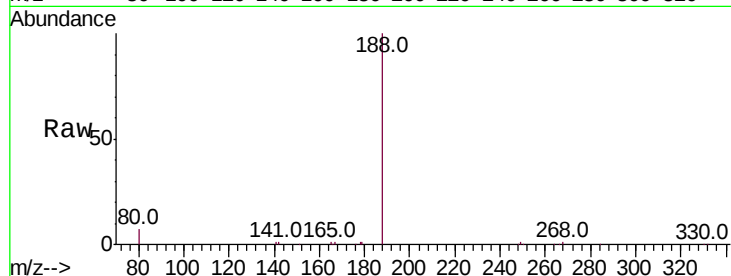
Tot Ion:188 Resp: 26819

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

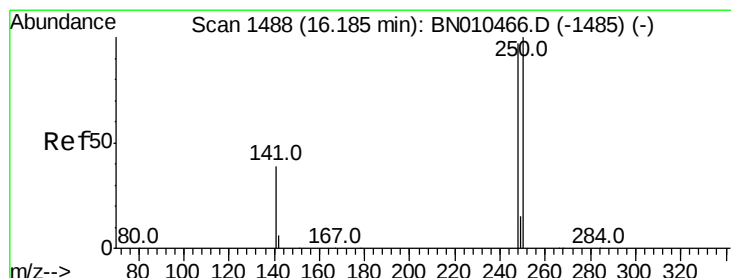
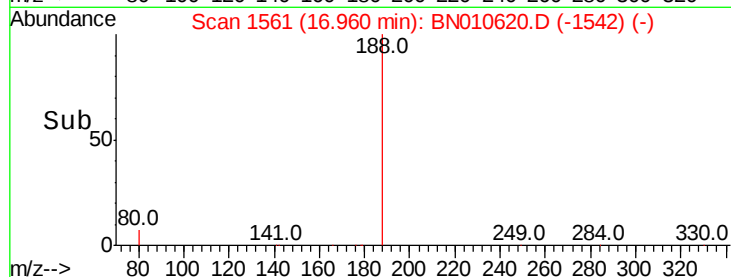
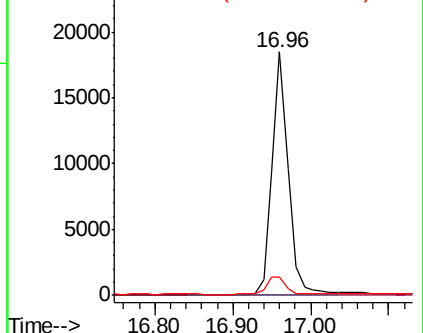
80 7.4 5.0 7.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#20

4-Bromophenyl-phenylether

Concen: 0.378 ng

RT: 16.16 min Scan# 1486

Delta R.T. -0.00 min

Lab File: BN010620.D

Acq: 28 Apr 2020 10:42

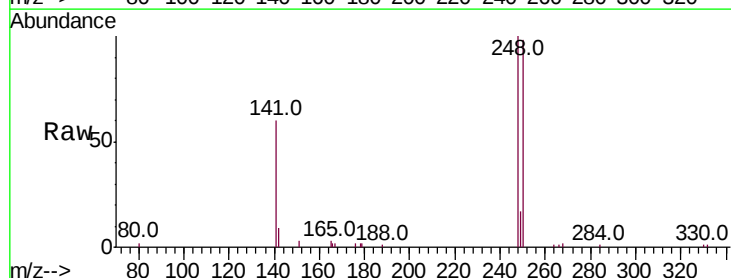
Tgt Ion:248 Resp: 5630

Ion Ratio Lower Upper

248 100

250 97.7 82.3 123.5

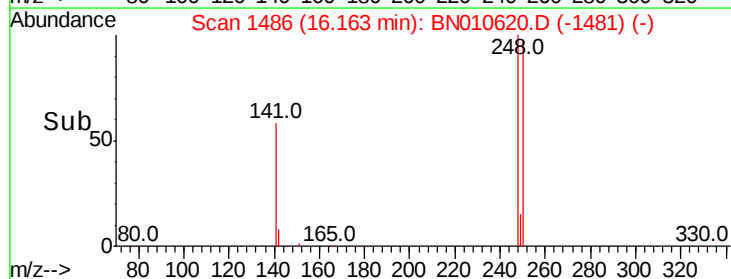
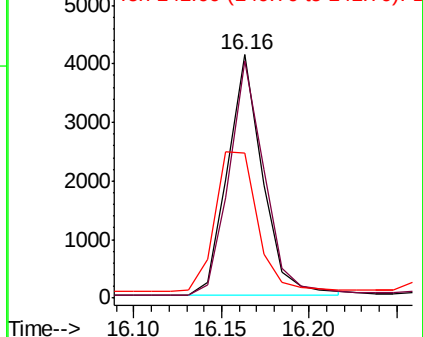
141 59.6 35.2 52.8#

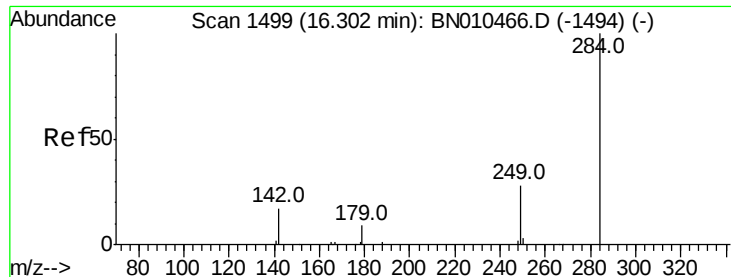


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.404 ng

RT: 16.28 min Scan# 1497

Delta R.T. -0.00 min

Lab File: BN010620.D

Acq: 28 Apr 2020 10:42

Instrument :

BNA_N

ClientSampleId :

PB128436BS

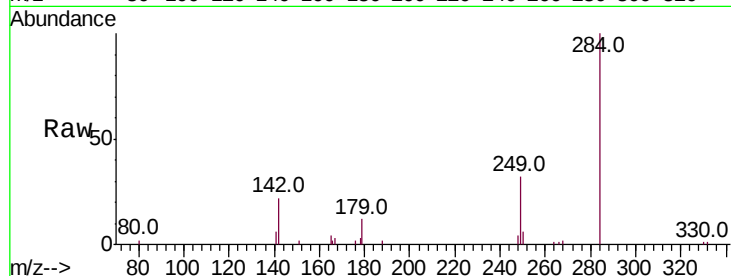
Tot Ion:284 Resp: 6866

Ion Ratio Lower Upper

284 100

142 32.6 25.5 38.3

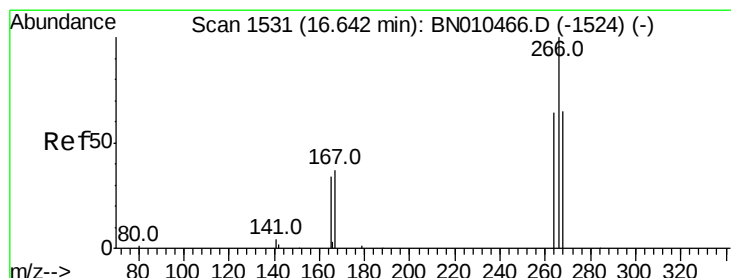
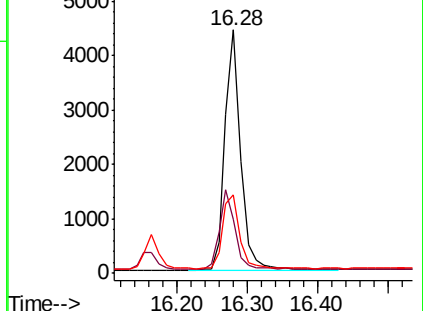
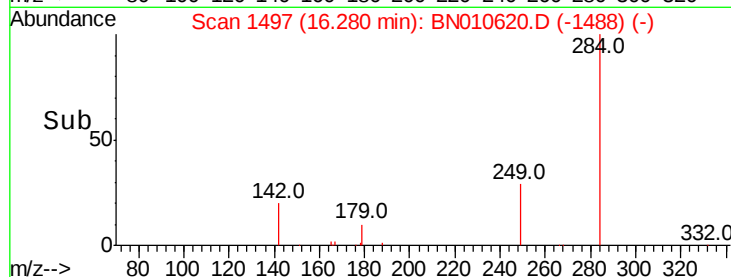
249 32.8 25.8 38.6



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: 0.904 ng

RT: 16.62 min Scan# 1529

Delta R.T. -0.00 min

Lab File: BN010620.D

Acq: 28 Apr 2020 10:42

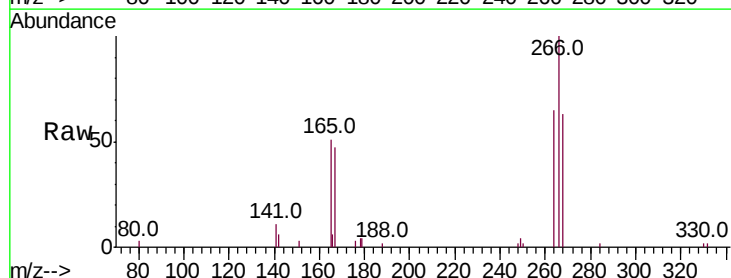
Tgt Ion:266 Resp: 6045

Ion Ratio Lower Upper

266 100

264 64.6 51.8 77.6

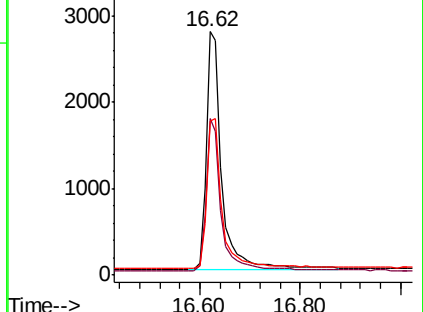
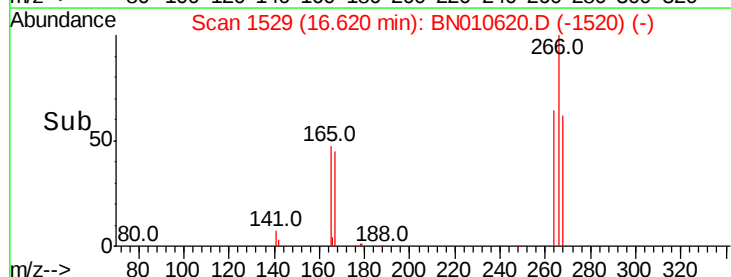
268 63.1 53.7 80.5

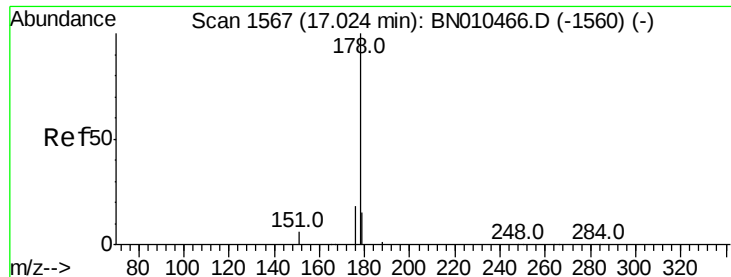


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.415 ng

RT: 17.00 min Scan# 1565

Delta R.T. -0.00 min

Lab File: BN010620.D

Acq: 28 Apr 2020 10:42

Instrument :

BNA_N

ClientSampleId :

PB128436BS

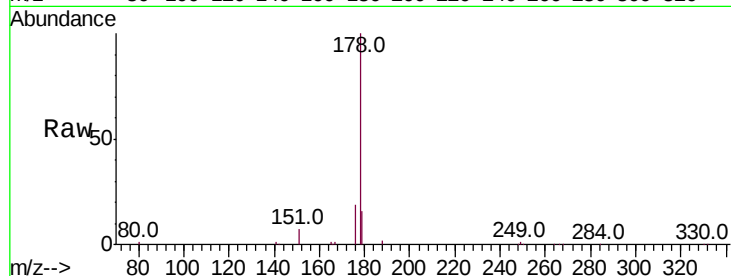
Tot Ion:178 Resp: 30050

Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.4

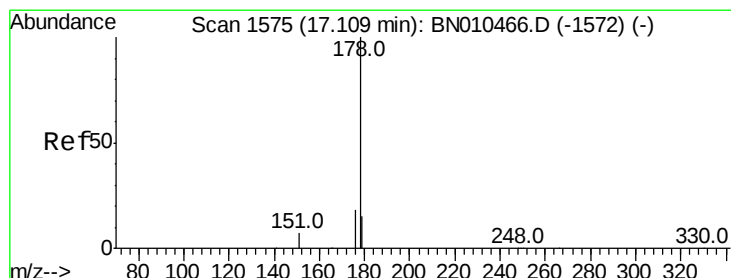
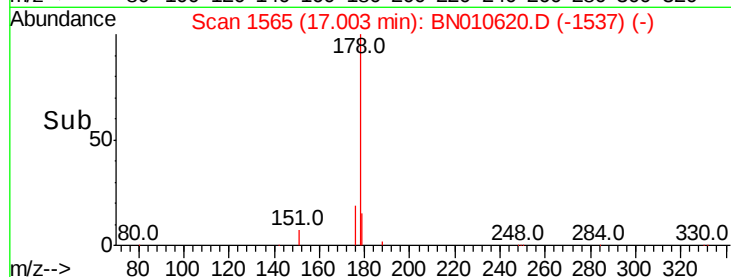
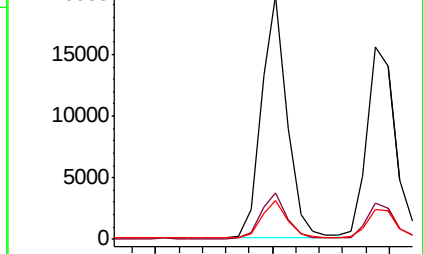
179 15.4 12.6 18.8



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: 0.408 ng

RT: 17.09 min Scan# 1573

Delta R.T. -0.00 min

Lab File: BN010620.D

Acq: 28 Apr 2020 10:42

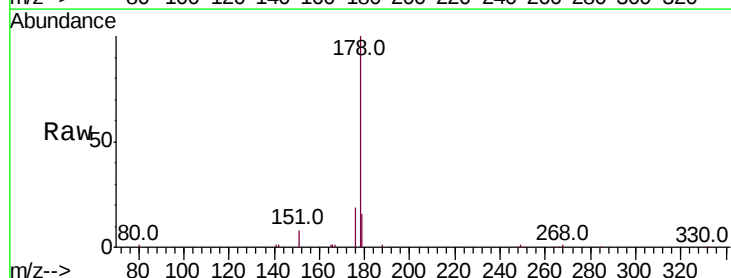
Tgt Ion:178 Resp: 27037

Ion Ratio Lower Upper

178 100

176 18.0 14.6 21.8

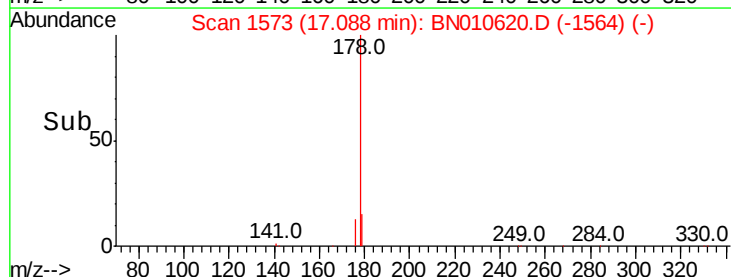
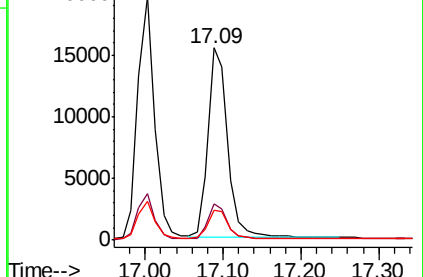
179 15.4 12.2 18.2

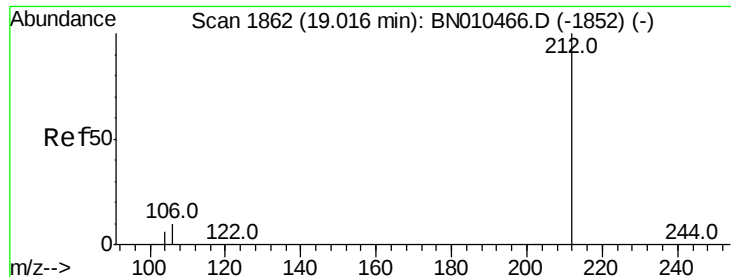


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.294 ng

RT: 19.00 min Scan# 1859

Delta R.T. -0.00 min

Lab File: BN010620.D

Acq: 28 Apr 2020 10:42

Instrument :

BNA_N

ClientSampleId :

PB128436BS

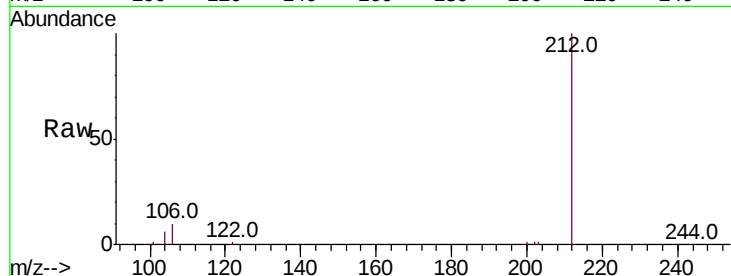
Tot Ion:212 Resp: 23876

Ion Ratio Lower Upper

212 100

106 10.4 7.8 11.6

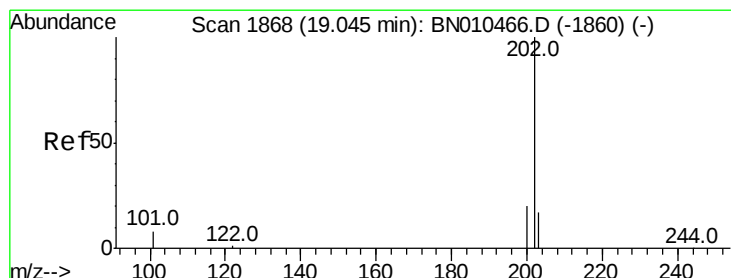
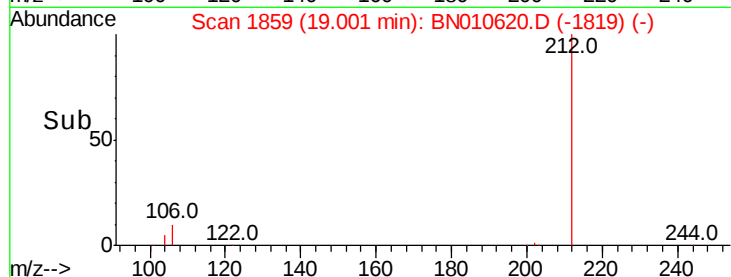
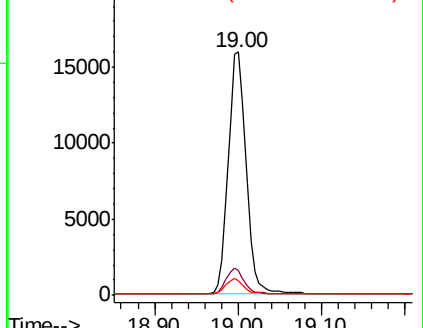
104 5.9 4.5 6.7



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: 0.402 ng

RT: 19.03 min Scan# 1865

Delta R.T. 0.00 min

Lab File: BN010620.D

Acq: 28 Apr 2020 10:42

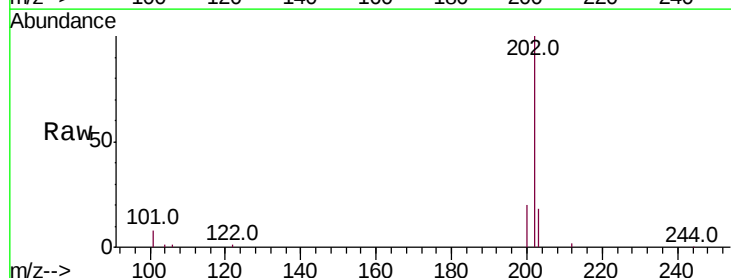
Tgt Ion:202 Resp: 36260

Ion Ratio Lower Upper

202 100

101 8.8 6.9 10.3

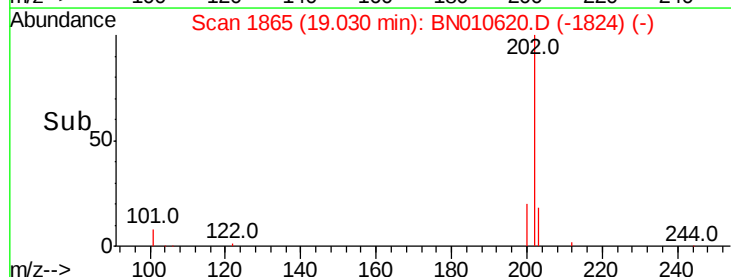
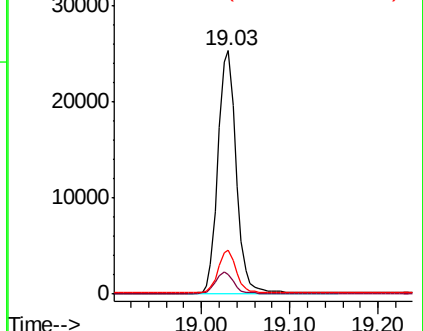
203 17.2 13.9 20.9

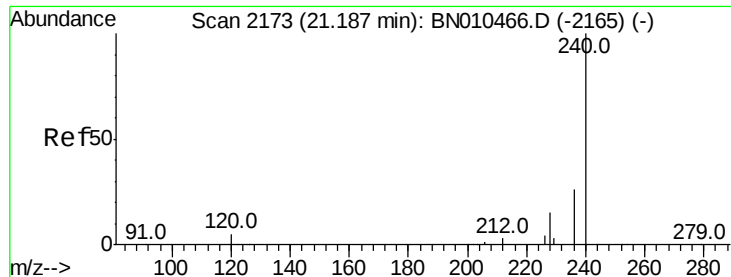


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

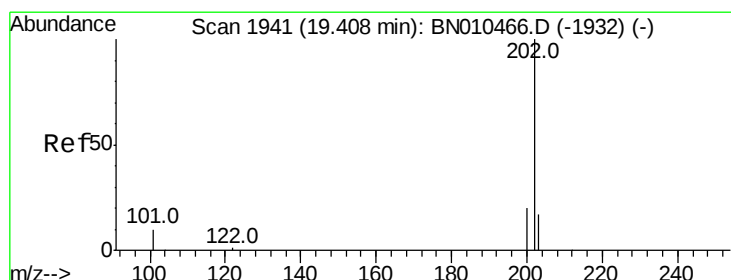
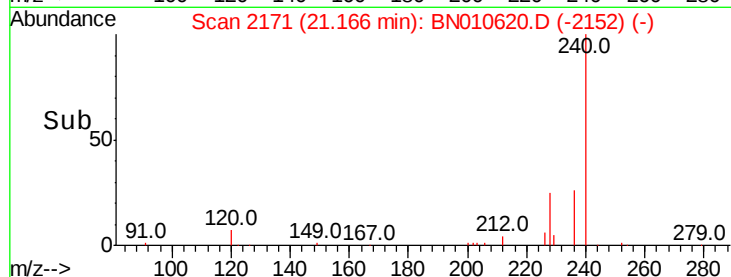
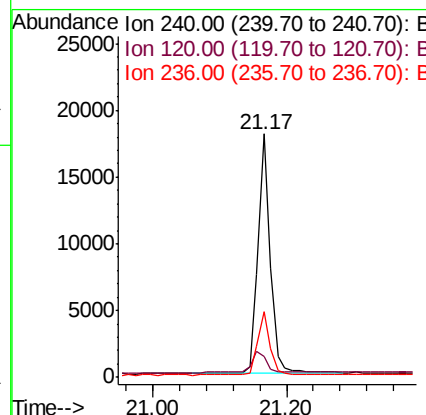
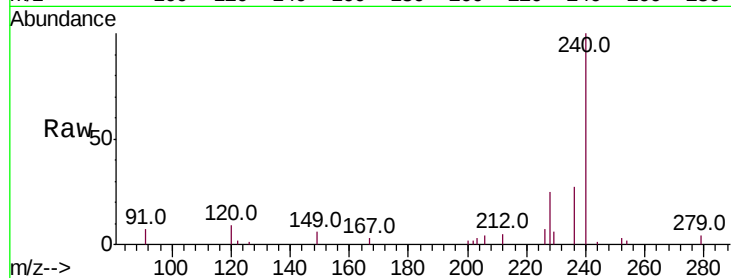




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.17 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: BN010620.D
 Acq: 28 Apr 2020 10:42

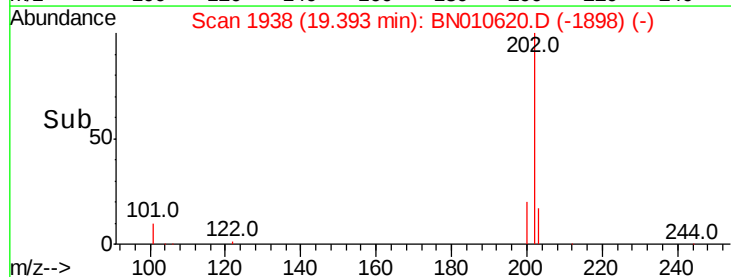
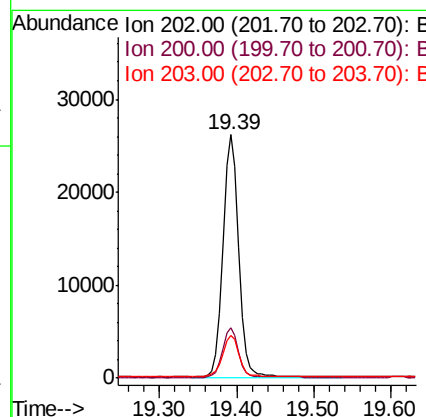
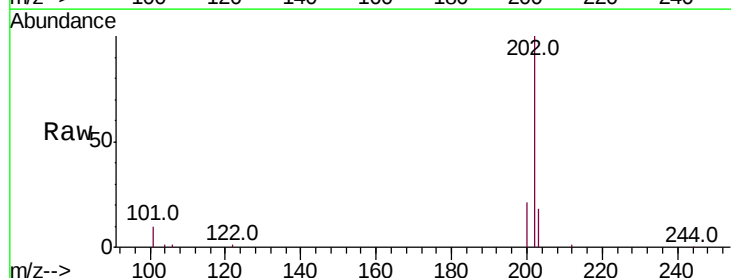
Instrument :
 BNA_N
 ClientSampleId :
 PB128436BS

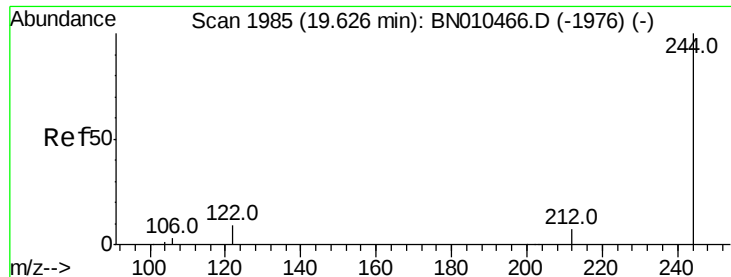
Tot Ion:240 Resp: 23465
 Ion Ratio Lower Upper
 240 100
 120 8.7 4.8 7.2#
 236 26.7 21.4 32.0



#28
 Pyrene
 Concen: 0.464 ng
 RT: 19.39 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: BN010620.D
 Acq: 28 Apr 2020 10:42

Tgt Ion:202 Resp: 36670
 Ion Ratio Lower Upper
 202 100
 200 20.4 16.3 24.5
 203 18.0 14.0 21.0





#29

Terphenyl-d14

Concen: 0.354 ng

RT: 19.61 min Scan# 1982

Delta R.T. -0.00 min

Lab File: BN010620.D

Acq: 28 Apr 2020 10:42

Instrument :

BNA_N

ClientSampleId :

PB128436BS

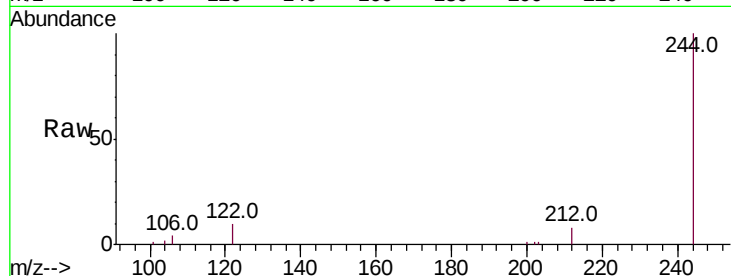
Tot Ion:244 Resp: 18999

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.4

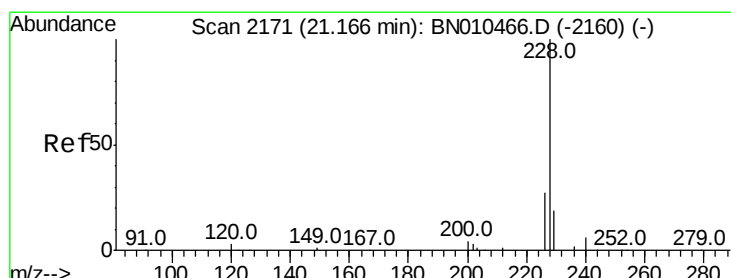
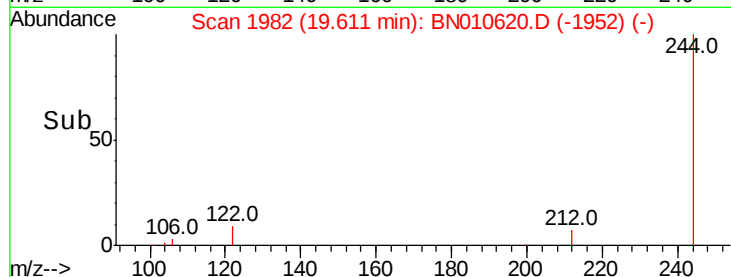
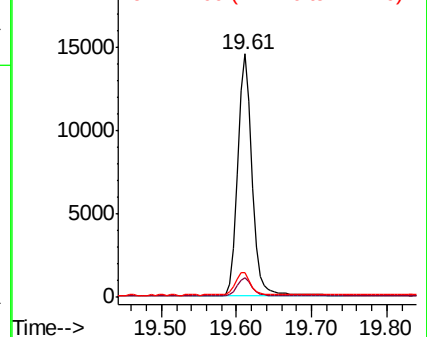
122 10.0 7.8 11.8



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: 0.403 ng

RT: 21.16 min Scan# 2170

Delta R.T. -0.00 min

Lab File: BN010620.D

Acq: 28 Apr 2020 10:42

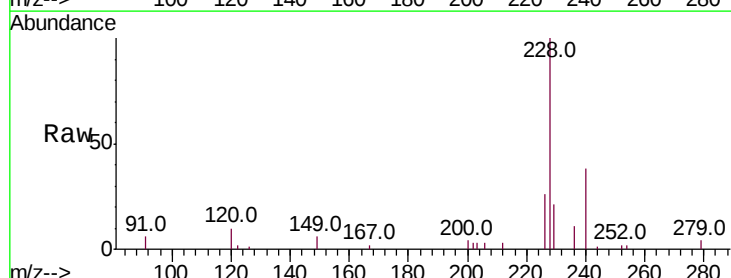
Tgt Ion:228 Resp: 30859

Ion Ratio Lower Upper

228 100

226 25.6 21.7 32.5

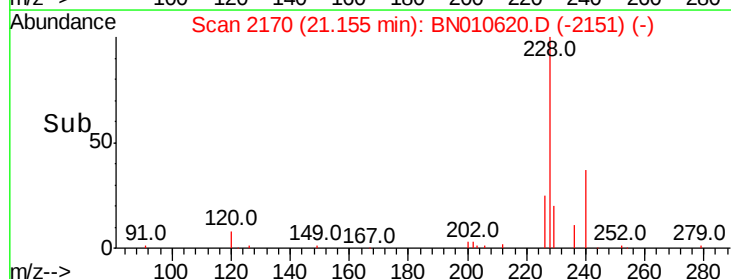
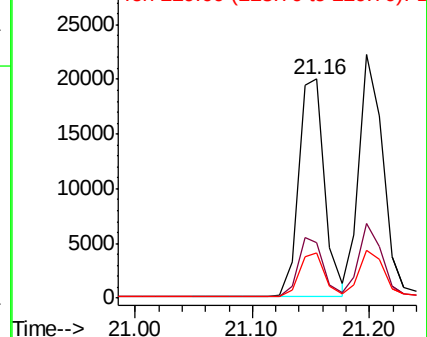
229 20.7 15.6 23.4

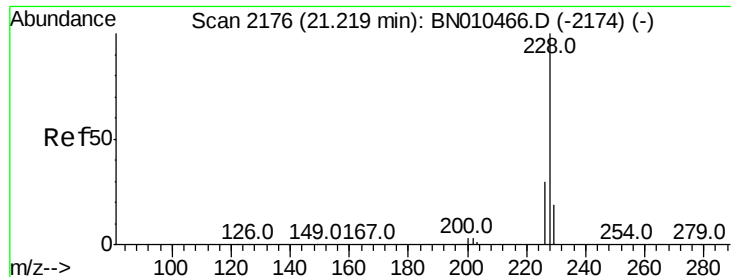


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.409 ng

RT: 21.20 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BN010620.D

Acq: 28 Apr 2020 10:42

Instrument :

BNA_N

ClientSampleId :

PB128436BS

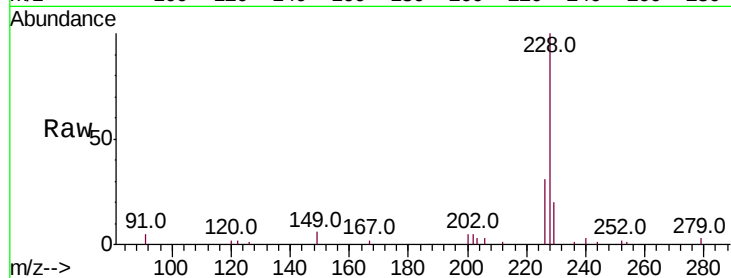
Tot Ion:228 Resp: 31199

Ion Ratio Lower Upper

228 100

226 30.7 24.0 36.0

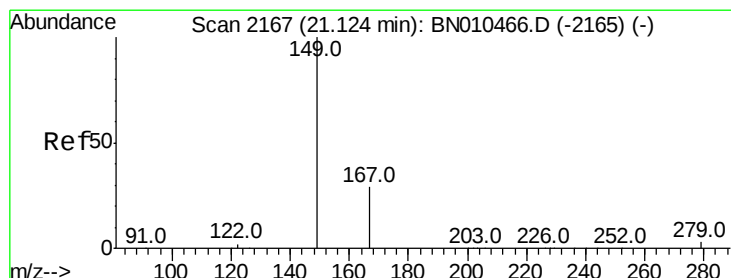
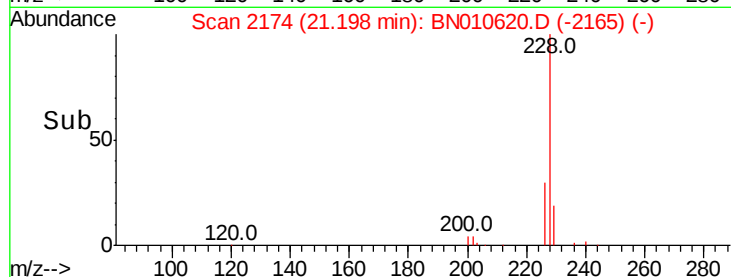
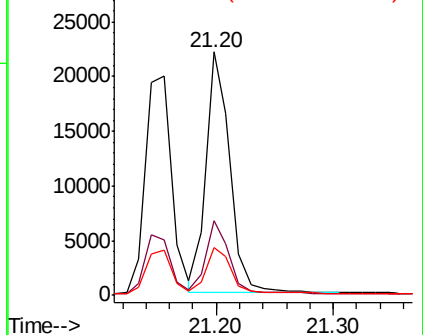
229 19.9 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.476 ng

RT: 21.10 min Scan# 2165

Delta R.T. -0.00 min

Lab File: BN010620.D

Acq: 28 Apr 2020 10:42

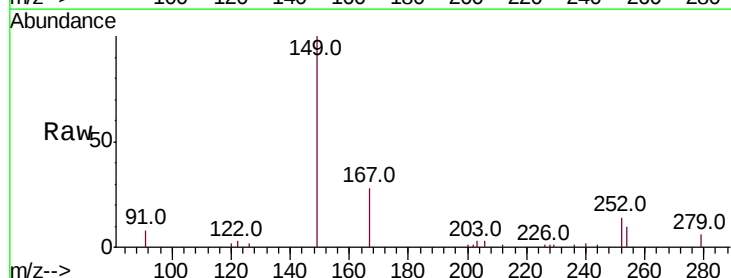
Tgt Ion:149 Resp: 18707

Ion Ratio Lower Upper

149 100

167 28.6 23.4 35.0

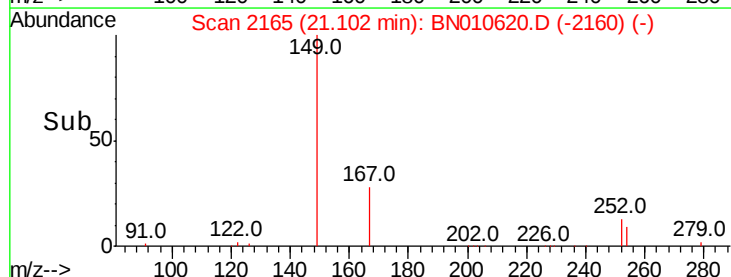
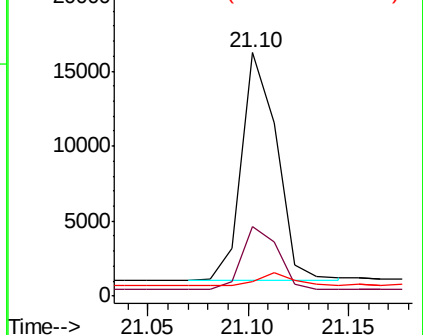
279 5.6 4.0 6.0

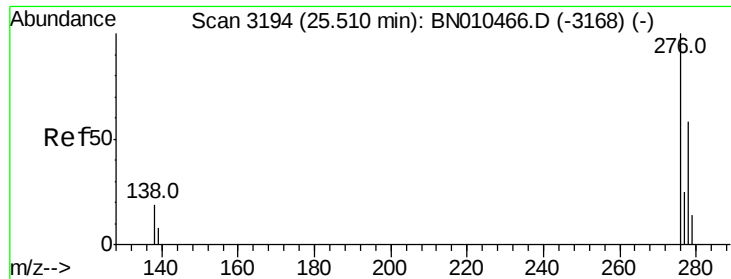


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.463 ng

RT: 25.48 min Scan# 3184

Delta R.T. -0.00 min

Lab File: BN010620.D

Acq: 28 Apr 2020 10:42

Instrument :

BNA_N

ClientSampleId :

PB128436BS

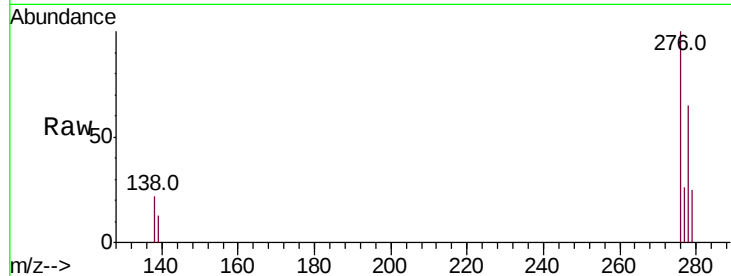
Tot Ion:276 Resp: 31207

Ion Ratio Lower Upper

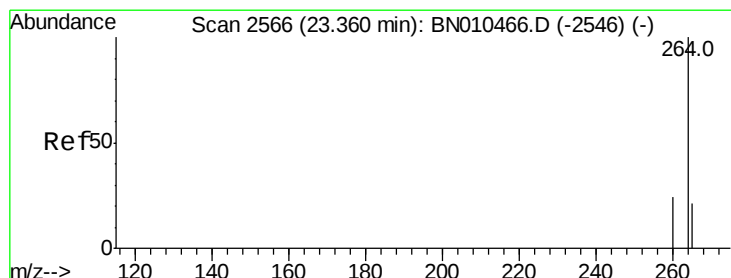
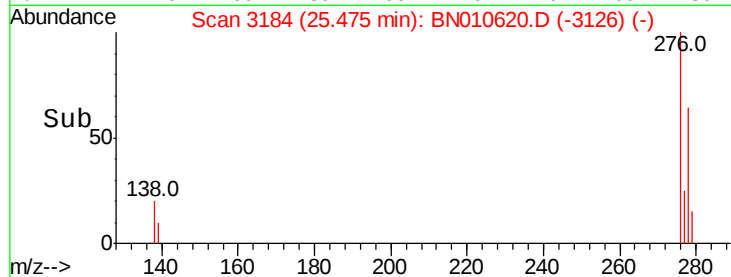
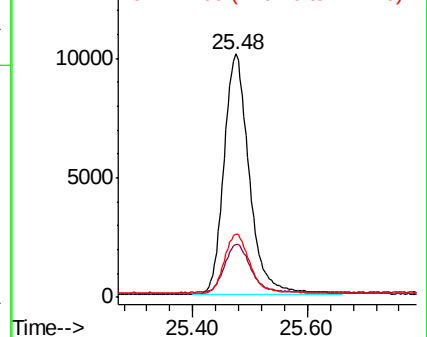
276 100

138 20.7 16.4 24.6

277 24.6 19.8 29.6



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: 23.33 min Scan# 2558

Delta R.T. -0.00 min

Lab File: BN010620.D

Acq: 28 Apr 2020 10:42

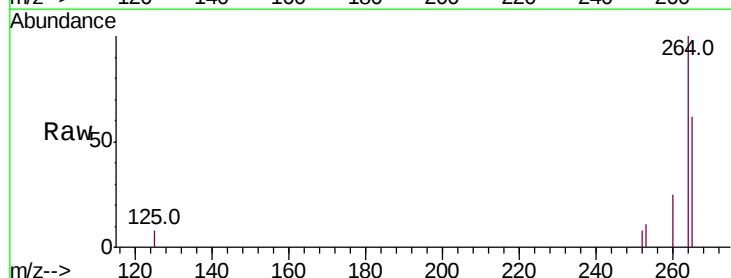
Tgt Ion:264 Resp: 21561

Ion Ratio Lower Upper

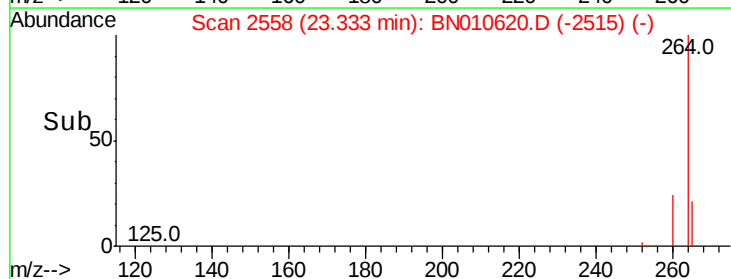
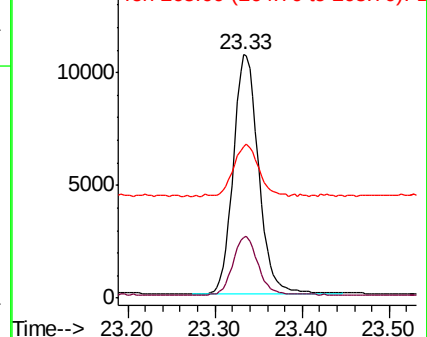
264 100

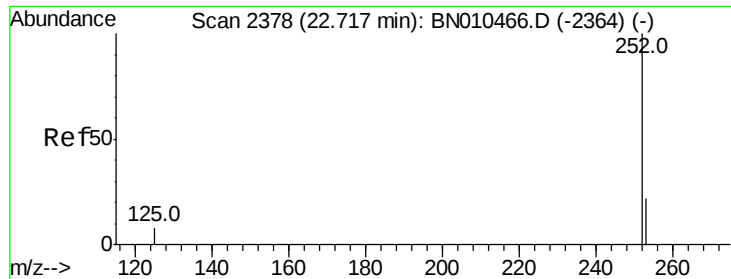
260 24.8 19.8 29.8

265 62.2 42.3 63.5



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

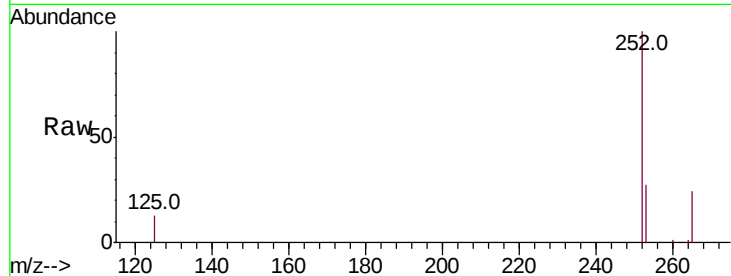




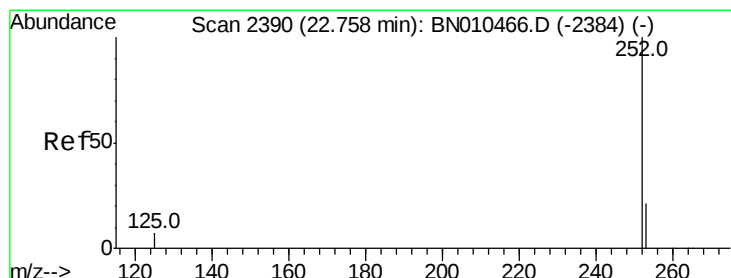
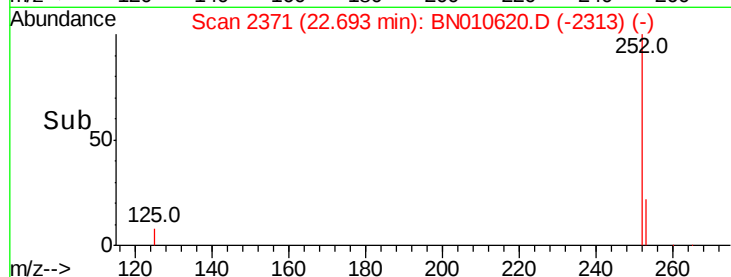
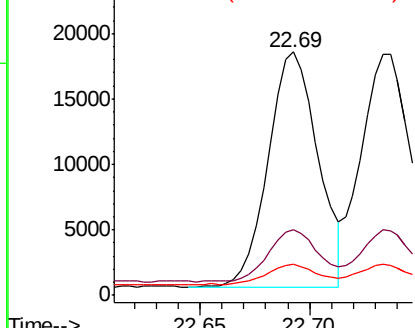
#35
Benzo(b)fluoranthene
Concen: 0.402 ng
RT: 22.69 min Scan# 2371
Delta R.T. -0.00 min
Lab File: BN010620.D
Acq: 28 Apr 2020 10:42

Instrument :
BNA_N
ClientSampleId :
PB128436BS

Tot Ion:252 Resp: 28506
Ion Ratio Lower Upper
252 100
253 26.8 20.2 30.4
125 12.7 9.2 13.8

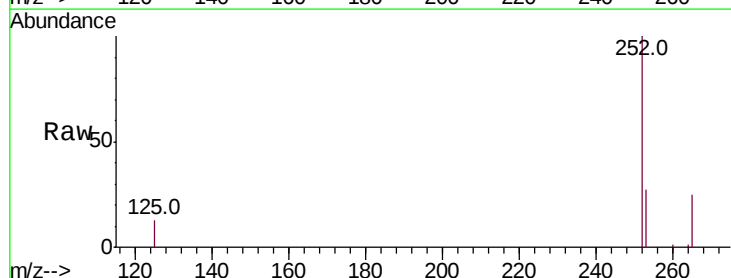


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

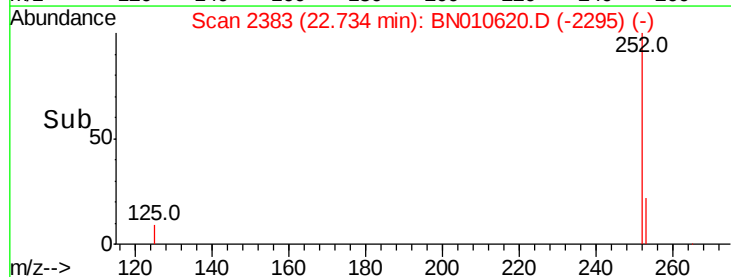
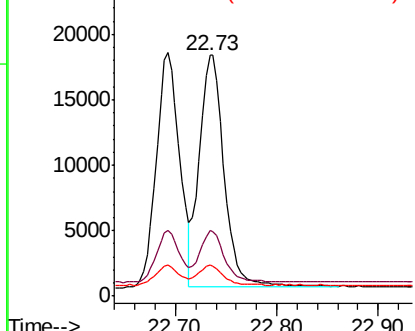


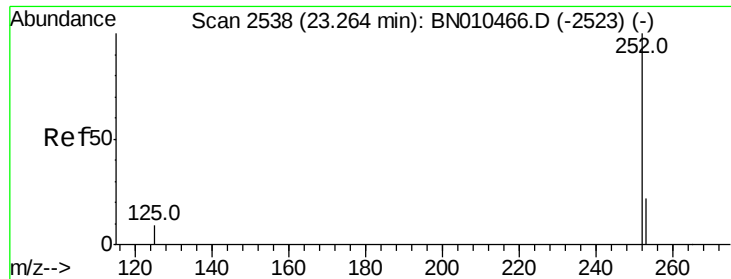
#36
Benzo(k)fluoranthene
Concen: 0.420 ng
RT: 22.73 min Scan# 2383
Delta R.T. -0.00 min
Lab File: BN010620.D
Acq: 28 Apr 2020 10:42

Tgt Ion:252 Resp: 29863
Ion Ratio Lower Upper
252 100
253 27.1 20.1 30.1
125 12.9 9.6 14.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

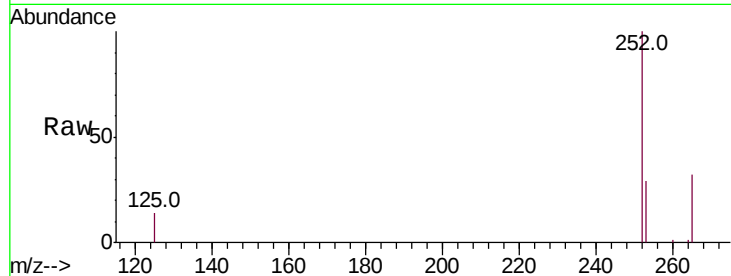




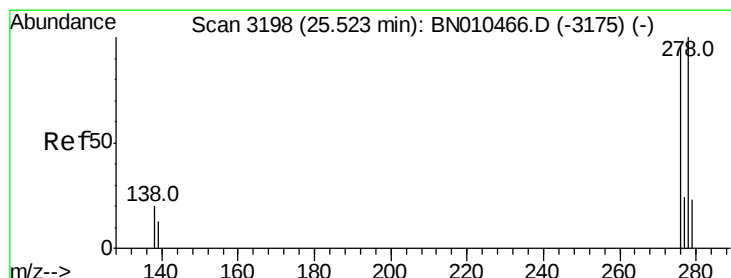
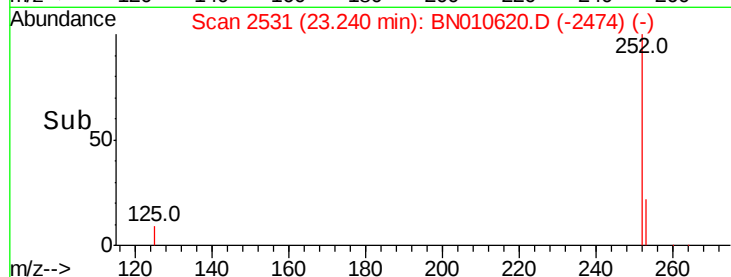
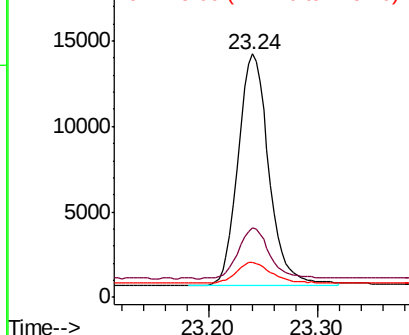
#37
Benzo(a)pyrene
Concen: 0.426 ng
RT: 23.24 min Scan# 2531
Delta R.T. -0.00 min
Lab File: BN010620.D
Acq: 28 Apr 2020 10:42

Instrument :
BNA_N
ClientSampleId :
PB128436BS

Tot Ion:252 Resp: 26746
Ion Ratio Lower Upper
252 100
253 28.7 21.8 32.8
125 14.2 11.0 16.6

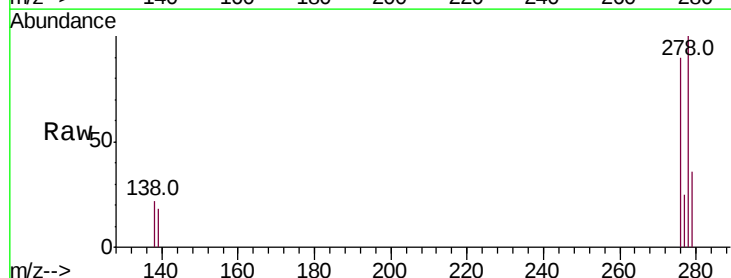


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

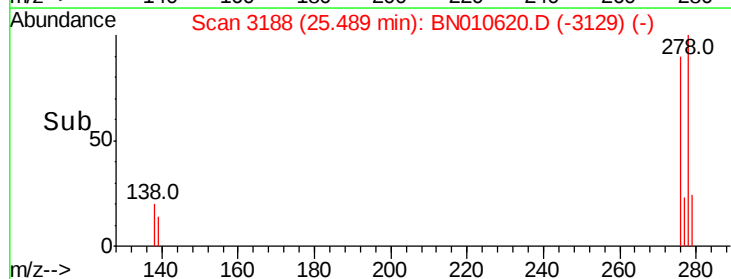
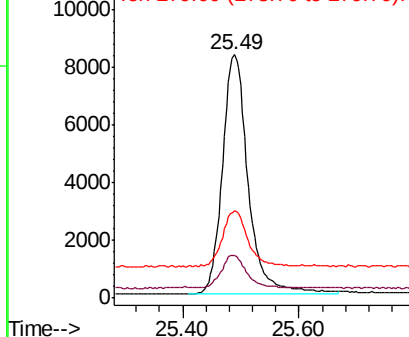


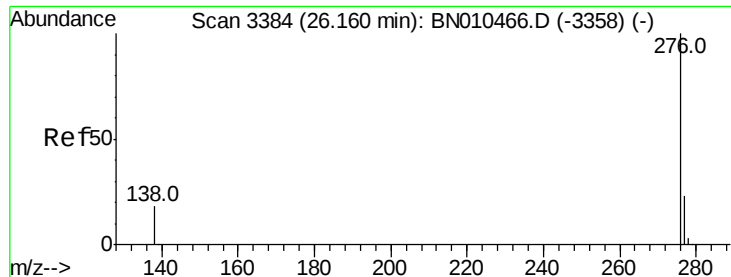
#38
Dibenzo(a,h)anthracene
Concen: 0.445 ng
RT: 25.49 min Scan# 3188
Delta R.T. 0.00 min
Lab File: BN010620.D
Acq: 28 Apr 2020 10:42

Tgt Ion:278 Resp: 25559
Ion Ratio Lower Upper
278 100
139 17.5 12.3 18.5
279 36.1 21.9 32.9#



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: 0.463 ng

RT: 26.12 min Scan# 3372

Delta R.T. -0.00 min

Lab File: BN010620.D

Acq: 28 Apr 2020 10:42

Instrument :

BNA_N

ClientSampleId :

PB128436BS

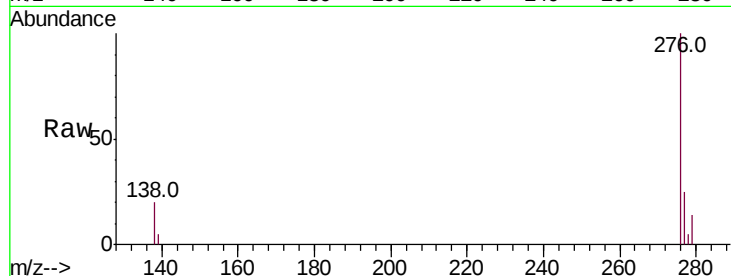
Tot Ion:276 Resp: 26767

Ion Ratio Lower Upper

276 100

277 25.5 20.2 30.2

138 20.1 15.4 23.2



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

