

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082520\
 Data File : BN011615.D
 Acq On : 25 Aug 2020 14:48
 Operator : CG/JU
 Sample : L3768-05MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CS-3MS

Quant Time: Aug 25 15:23:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 25 03:31:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	3548	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	14802	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	9137	0.40	ng	0.00
19) Phenanthrene-d10	17.14	188	19927	0.40	ng	0.00
29) Chrysene-d12	21.33	240	20360	0.40	ng	0.00
36) Perylene-d12	23.60	264	23801	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.35	112	5201	0.46	ng	0.00
5) Phenol-d6	6.92	99	7039	0.44	ng	0.00
8) Nitrobenzene-d5	8.89	82	7249	0.57	ng	-0.01
11) 2-Methylnaphthalene-d10	12.14	152	9284	0.33	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	1849	0.37	ng	0.00
15) 2-Fluorobiphenyl	13.02	172	20138	0.57	ng	0.00
27) Fluoranthene-d10	19.17	212	20017	0.31	ng	0.00
31) Terphenyl-d14	19.78	244	32220	0.62	ng	0.00

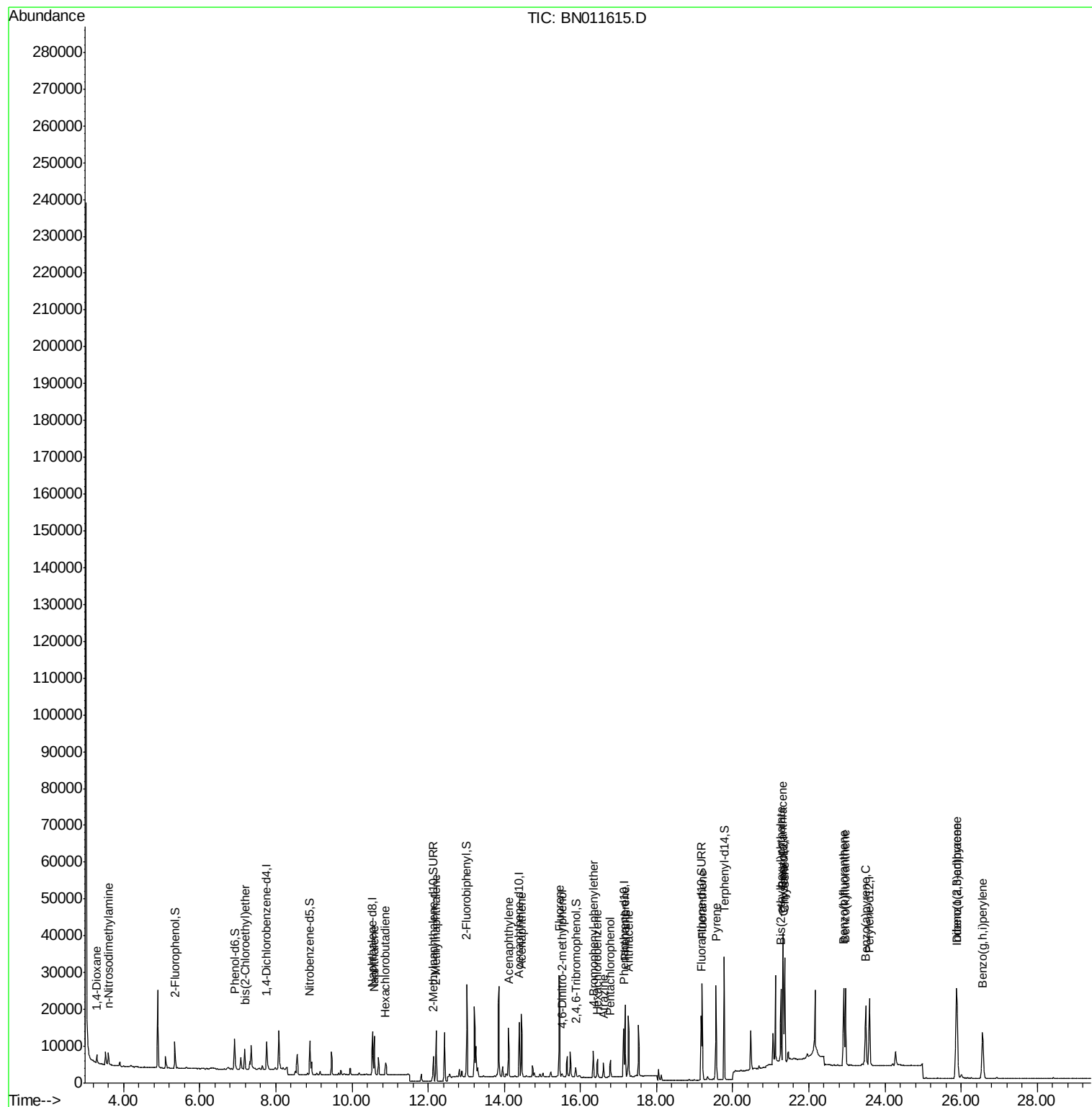
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	1387	0.252	ng	# 1
3) n-Nitrosodimethylamine	3.60	42	1947	0.336	ng	# 90
6) bis(2-Chloroethyl)ether	7.18	93	3717	0.326	ng	96
9) Naphthalene	10.59	128	13088	0.311	ng	# 94
10) Hexachlorobutadiene	10.88	225	2571	0.292	ng	# 99
12) 2-Methylnaphthalene	12.21	142	9476	0.305	ng	97
16) Acenaphthylene	14.11	152	14171	0.294	ng	99
17) Acenaphthene	14.45	154	8888	0.291	ng	96
18) Fluorene	15.44	166	11471	0.290	ng	98
20) 4,6-Dinitro-2-methylphenol	15.52	198	639	0.278	ng	# 37
21) 4-Bromophenyl-phenylether	16.34	248	3342	0.287	ng	# 68
22) Hexachlorobenzene	16.45	284	3988	0.297	ng	99
23) Atrazine	16.61	200	2849	0.248	ng	# 92
24) Pentachlorophenol	16.79	266	2228	0.376	ng	93
25) Phenanthrene	17.18	178	18900	0.305	ng	100
26) Anthracene	17.26	178	18056	0.296	ng	99
28) Fluoranthene	19.20	202	22623	0.302	ng	100
30) Pyrene	19.57	202	23544	0.326	ng	99
32) Benzo(a)anthracene	21.32	228	24353	0.332	ng	99
33) Chrysene	21.36	228	23421	0.335	ng	99
34) Bis(2-ethylhexyl)phthalate	21.27	149	15360	0.286	ng	95
35) Indeno(1,2,3-cd)pyrene	25.87	276	31382	0.367	ng	# 100
37) Benzo(b)fluoranthene	22.91	252	26478	0.307	ng	98
38) Benzo(k)fluoranthene	22.96	252	25526	0.298	ng	98
39) Benzo(a)pyrene	23.50	252	23566	0.293	ng	96
40) Dibenzo(a,h)anthracene	25.89	278	26264	0.313	ng	96
41) Benzo(g,h,i)perylene	26.57	276	26884	0.330	ng	97

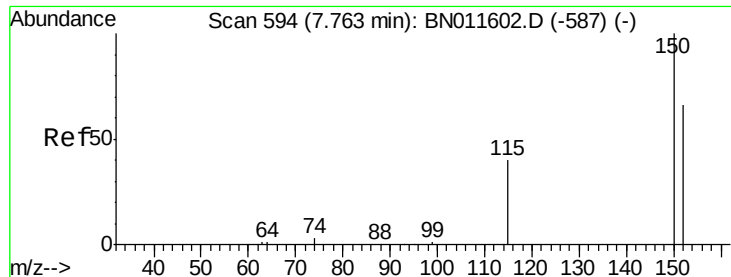
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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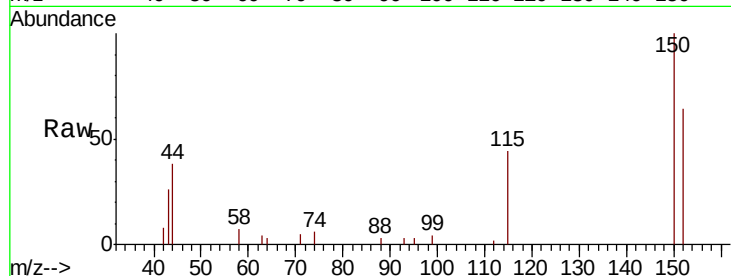


#1

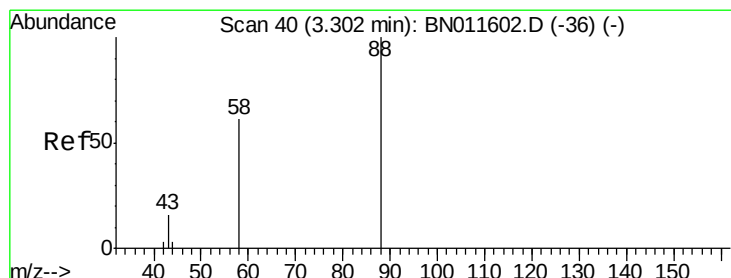
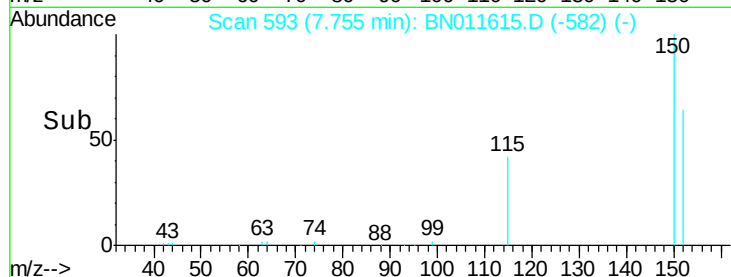
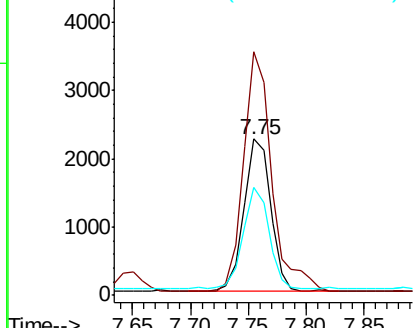
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.75 min Scan# 593
Delta R.T. -0.01 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Instrument :
BNA_N
ClientSampleId :
CS-3MS

Tot Ion:152 Resp: 3548
Ion Ratio Lower Upper
152 100
150 155.8 112.4 168.6
115 68.7 56.9 85.3



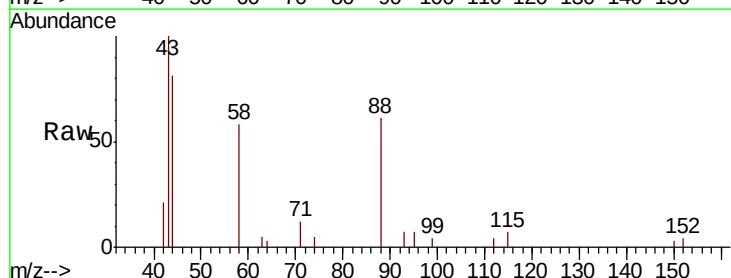
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



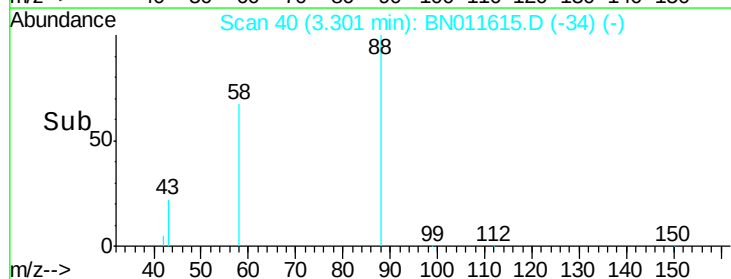
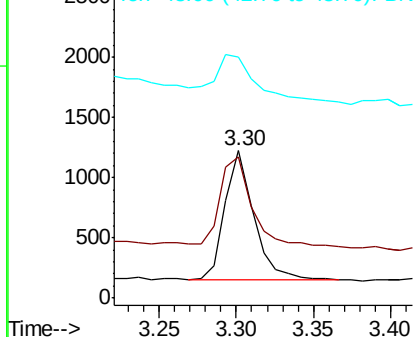
#2

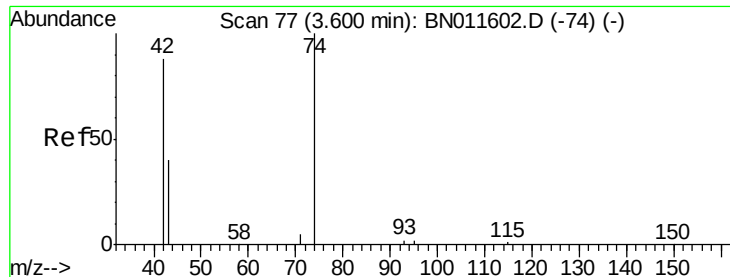
1,4-Dioxane
Concen: 0.252 ng
RT: 3.30 min Scan# 40
Delta R.T. -0.00 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Tgt Ion: 88 Resp: 1387
Ion Ratio Lower Upper
88 100
58 76.0 3.0 4.4#
43 54.6 0.0 0.0#



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: 0.336 ng

RT: 3.60 min Scan# 77

Delta R.T. -0.00 min

Lab File: BN011615.D

Acq: 25 Aug 2020 14:48

Instrument :

BNA_N

ClientSampleId :

CS-3MS

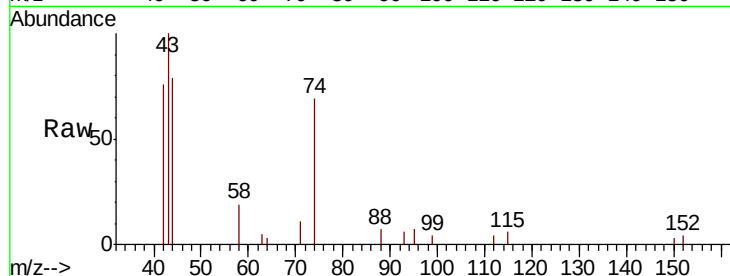
Tot Ion: 42 Resp: 1947

Ion Ratio Lower Upper

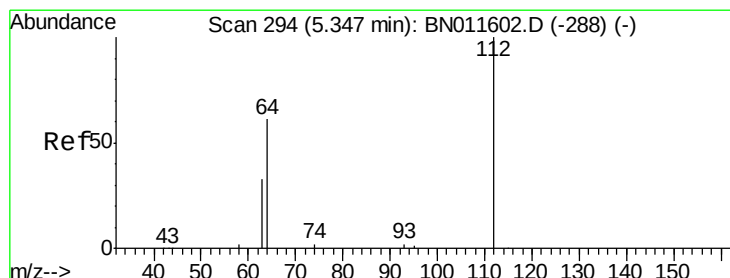
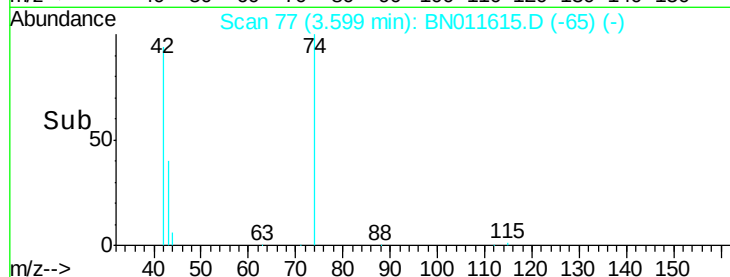
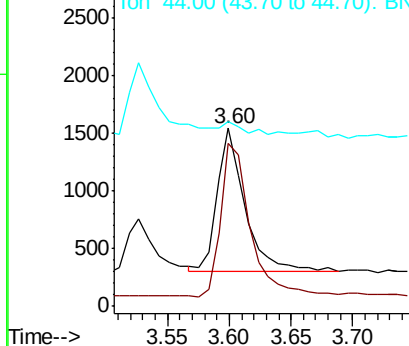
42 100

74 112.9 0.0 0.0#

44 6.5 8.2 12.4#



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: 0.458 ng

RT: 5.35 min Scan# 294

Delta R.T. -0.00 min

Lab File: BN011615.D

Acq: 25 Aug 2020 14:48

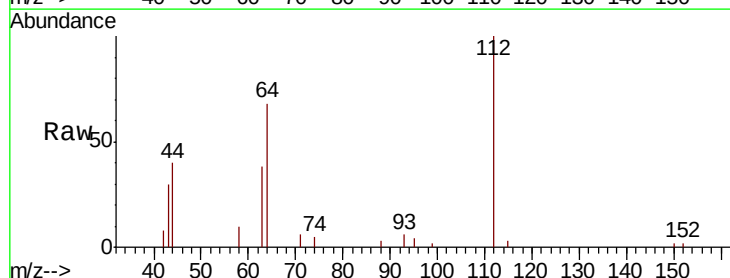
Tgt Ion: 112 Resp: 5201

Ion Ratio Lower Upper

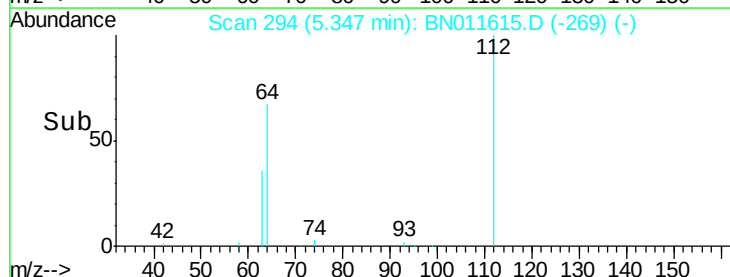
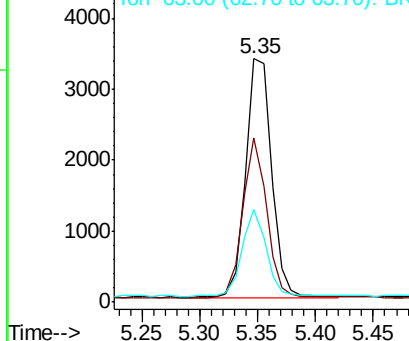
112 100

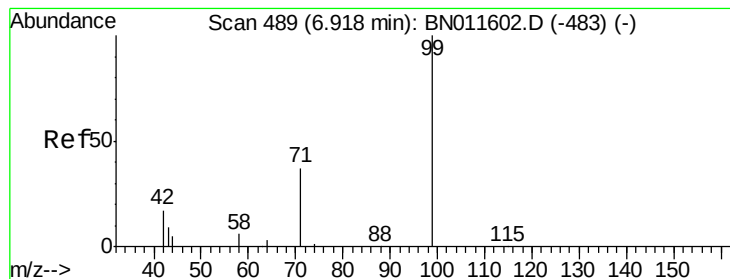
64 61.9 49.6 74.4

63 33.7 26.4 39.6



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: 0.439 ng

RT: 6.92 min Scan# 489

Delta R.T. -0.00 min

Lab File: BN011615.D

Acq: 25 Aug 2020 14:48

Instrument :

BNA_N

ClientSampleId :

CS-3MS

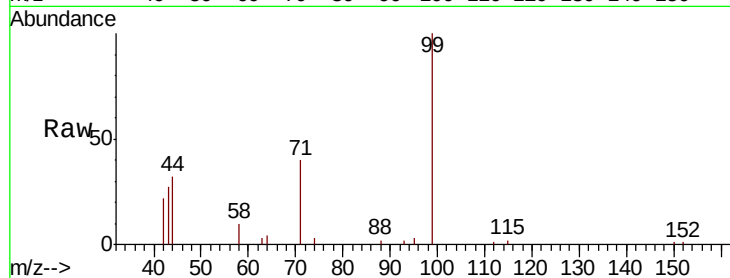
Tot Ion: 99 Resp: 7039

Ion Ratio Lower Upper

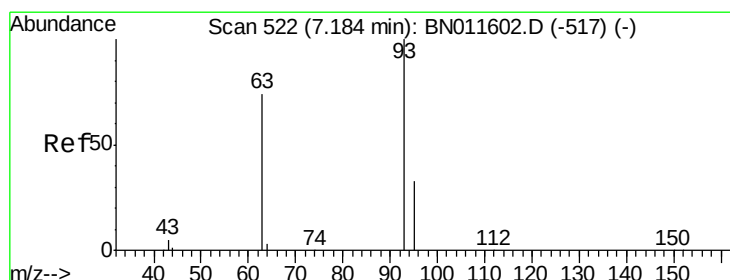
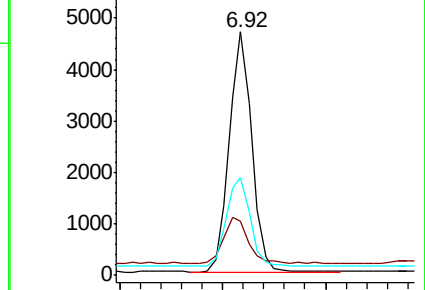
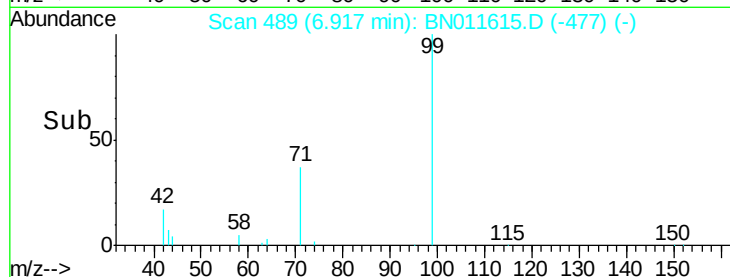
99 100

42 21.1 0.0 0.0#

71 38.5 0.0 0.0#



Abundance Ion 99.00 (98.70 to 99.70): BN011615.D (-477) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.326 ng

RT: 7.18 min Scan# 522

Delta R.T. -0.00 min

Lab File: BN011615.D

Acq: 25 Aug 2020 14:48

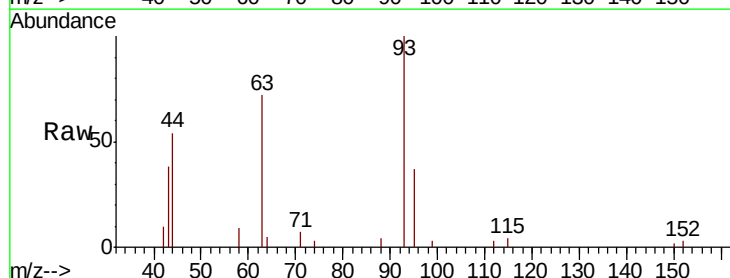
Tgt Ion: 93 Resp: 3717

Ion Ratio Lower Upper

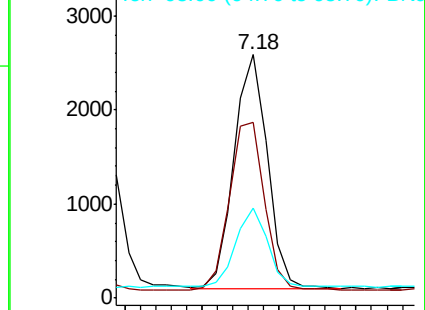
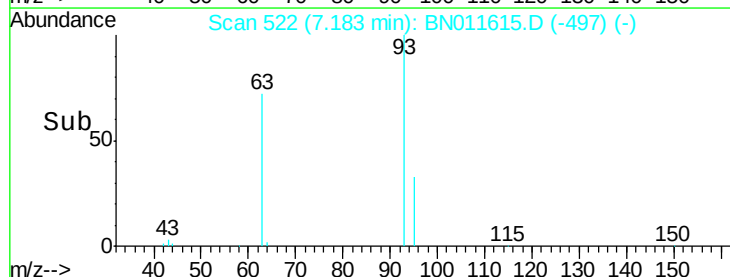
93 100

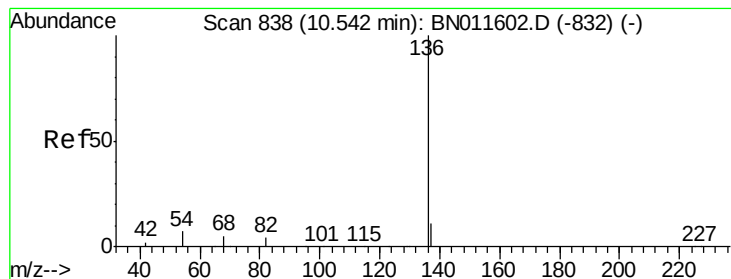
63 75.4 57.8 86.8

95 33.2 28.3 42.5



Abundance Ion 93.00 (92.70 to 93.70): BN011615.D (-497) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.54 min Scan# 838

Delta R.T. -0.00 min

Lab File: BN011615.D

Acq: 25 Aug 2020 14:48

Instrument :

BNA_N

ClientSampleId :

CS-3MS

Tot Ion:136 Resp: 14802

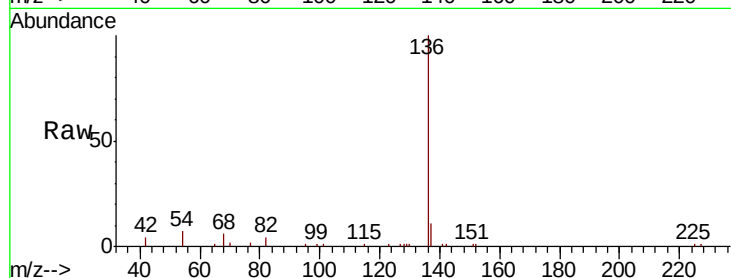
Ion Ratio Lower Upper

136 100

137 11.5 11.5 17.3#

54 6.8 11.9 17.9#

68 5.6 12.3 18.5#

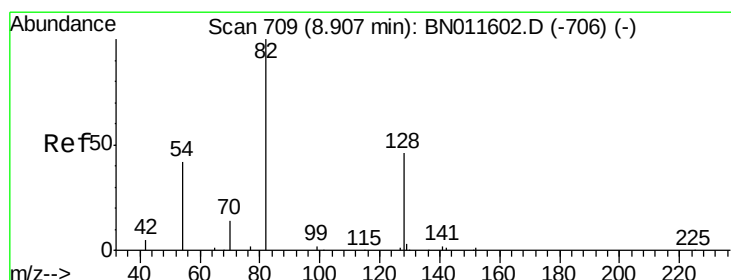
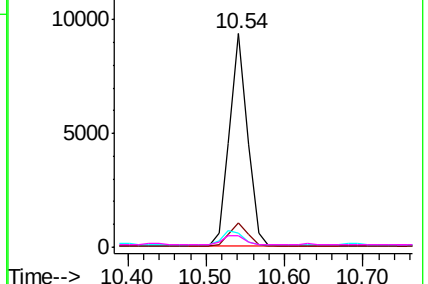
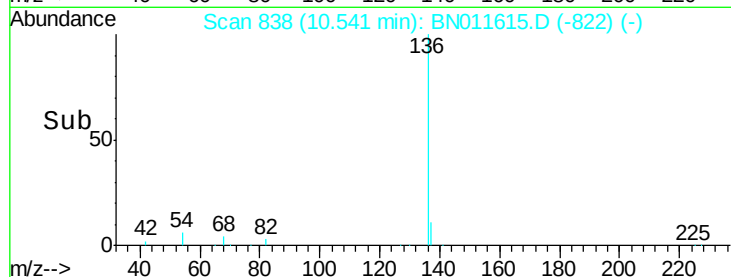


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.566 ng

RT: 8.89 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN011615.D

Acq: 25 Aug 2020 14:48

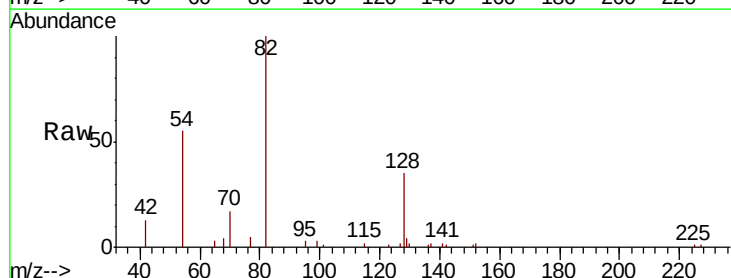
Tgt Ion: 82 Resp: 7249

Ion Ratio Lower Upper

82 100

128 34.8 31.1 46.7

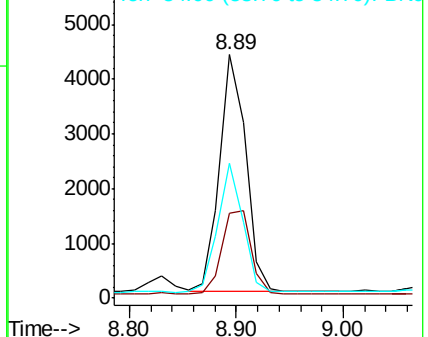
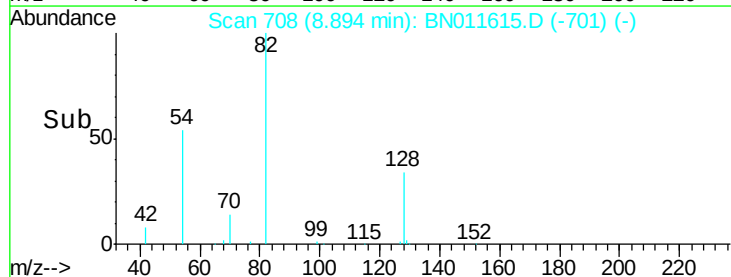
54 55.2 37.1 55.7

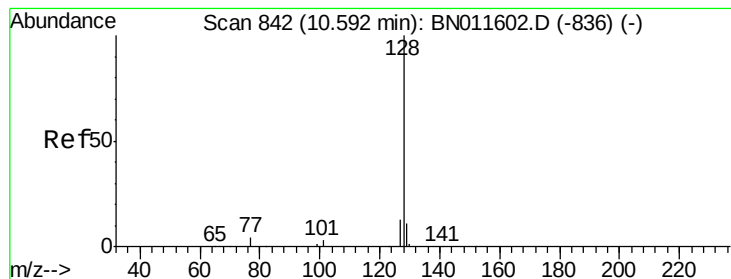


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.311 ng

RT: 10.59 min Scan# 842

Delta R.T. -0.00 min

Lab File: BN011615.D

Acq: 25 Aug 2020 14:48

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CS-3MS

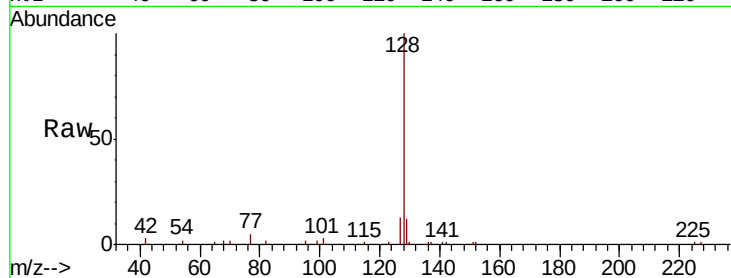
Tot Ion:128 Resp: 13088

Ion Ratio Lower Upper

128 100

129 11.9 11.0 16.4

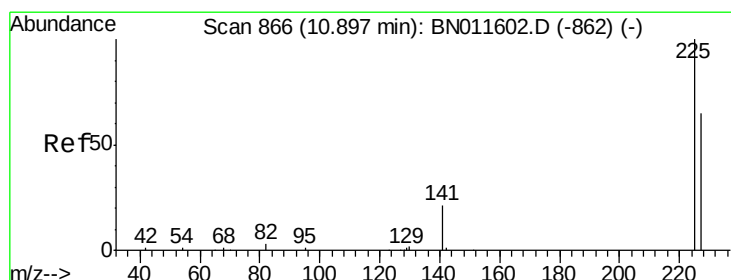
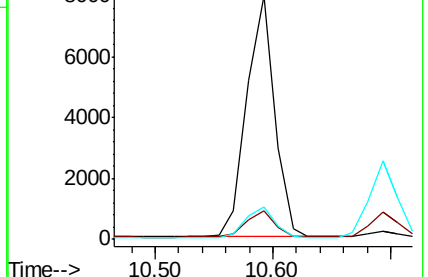
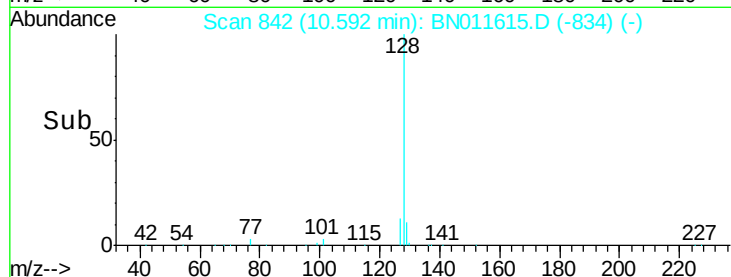
127 13.5 13.5 20.3#



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: 0.292 ng

RT: 10.88 min Scan# 865

Delta R.T. -0.01 min

Lab File: BN011615.D

Acq: 25 Aug 2020 14:48

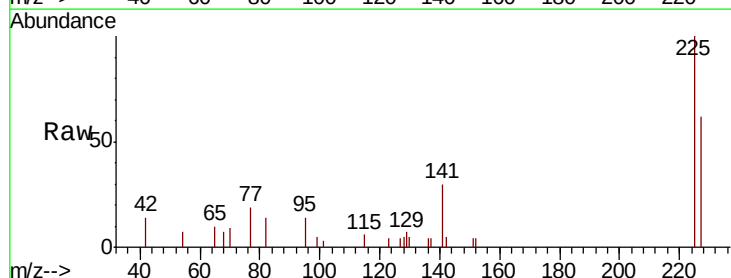
Tgt Ion:225 Resp: 2571

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

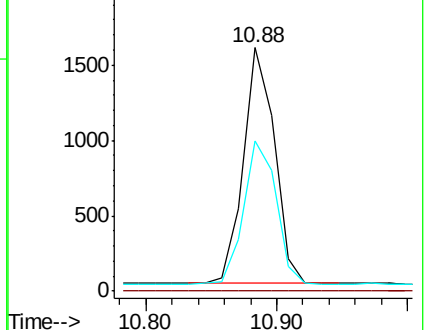
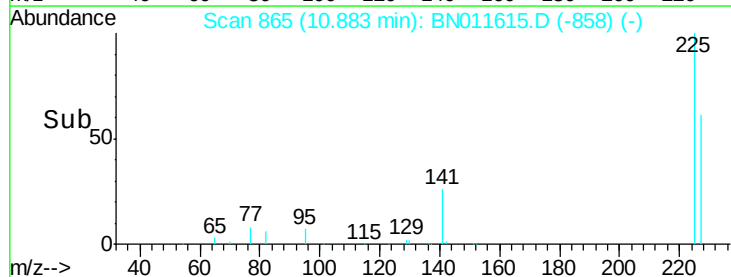
227 63.2 50.2 75.2

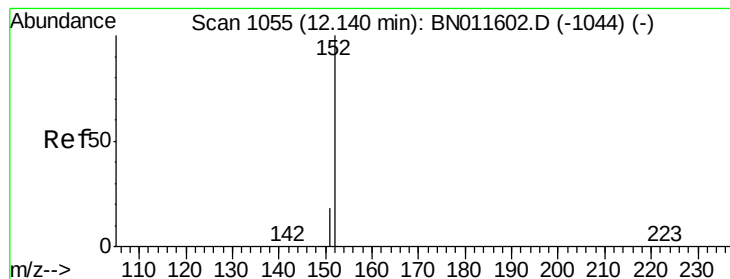


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.331 ng

RT: 12.14 min Scan# 1054

Delta R.T. -0.00 min

Lab File: BN011615.D

Acq: 25 Aug 2020 14:48

Instrument :

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ClientSampleId :

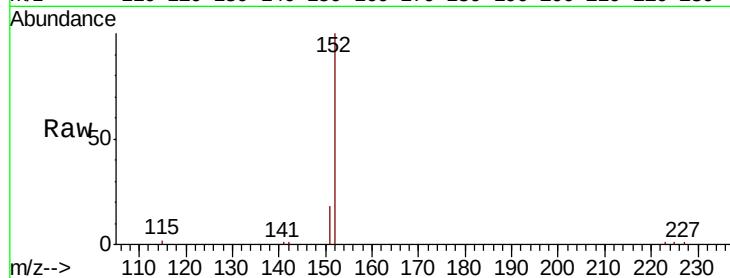
CS-3MS

Tot Ion:152 Resp: 9284

Ion Ratio Lower Upper

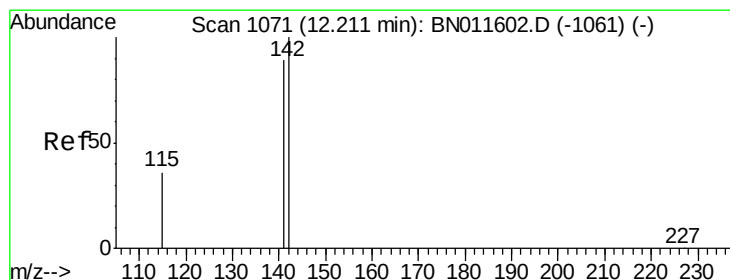
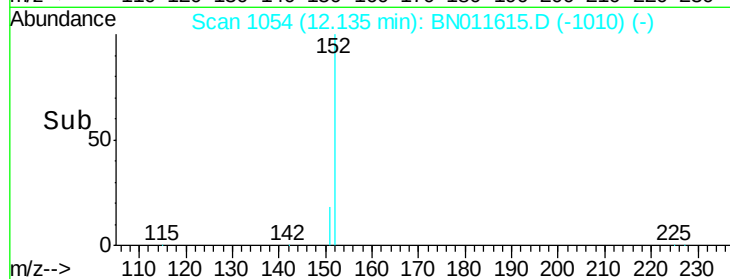
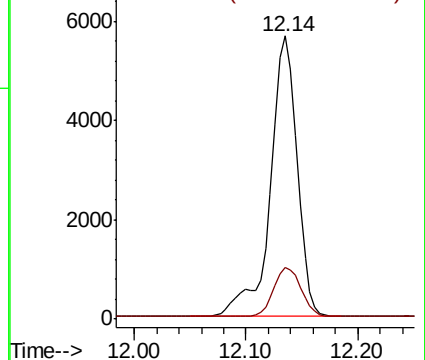
152 100

151 17.9 16.4 24.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.305 ng

RT: 12.21 min Scan# 1071

Delta R.T. -0.00 min

Lab File: BN011615.D

Acq: 25 Aug 2020 14:48

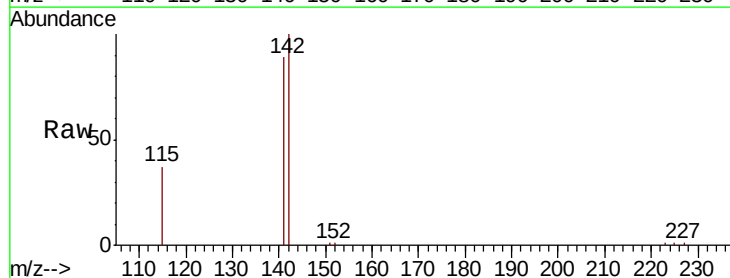
Tgt Ion:142 Resp: 9476

Ion Ratio Lower Upper

142 100

141 88.7 72.7 109.1

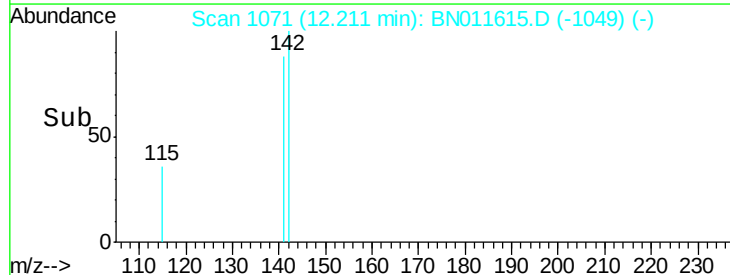
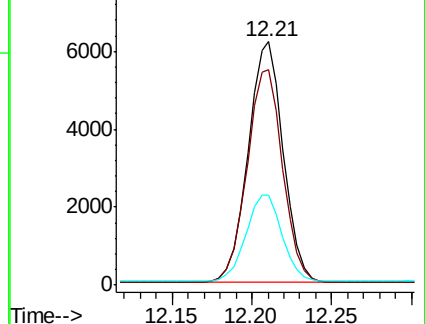
115 37.2 32.7 49.1

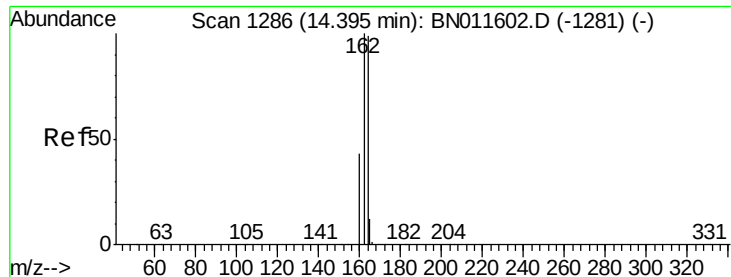


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.39 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BN011615.D

Acq: 25 Aug 2020 14:48

Instrument :

BNA_N

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CS-3MS

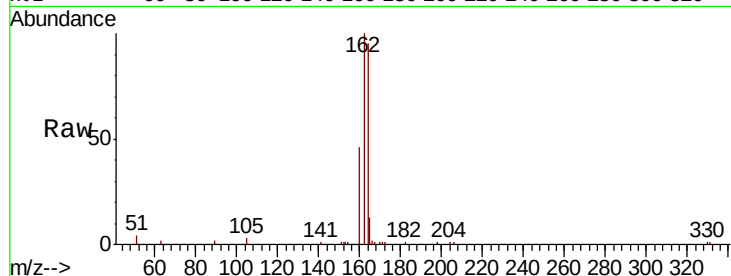
Tot Ion:164 Resp: 9137

Ion Ratio Lower Upper

164 100

162 105.3 80.8 121.2

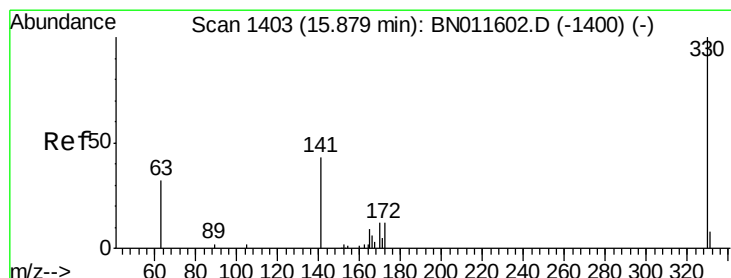
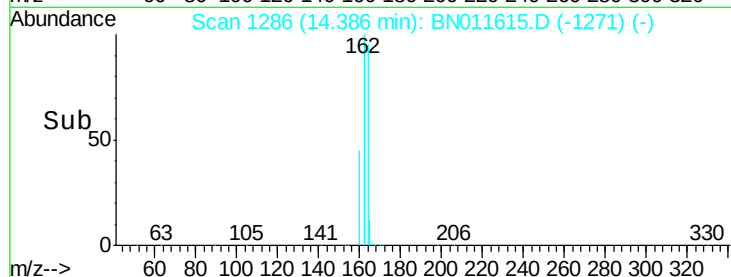
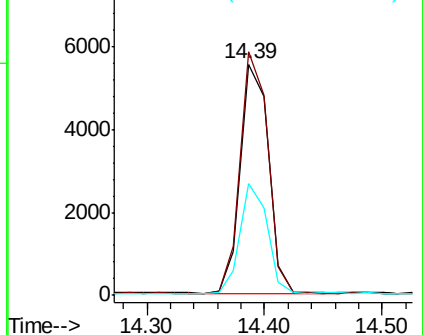
160 48.4 35.6 53.4



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: 0.368 ng

RT: 15.88 min Scan# 1404

Delta R.T. 0.00 min

Lab File: BN011615.D

Acq: 25 Aug 2020 14:48

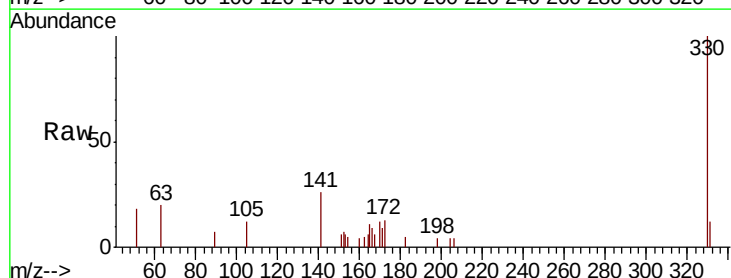
Tgt Ion:330 Resp: 1849

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

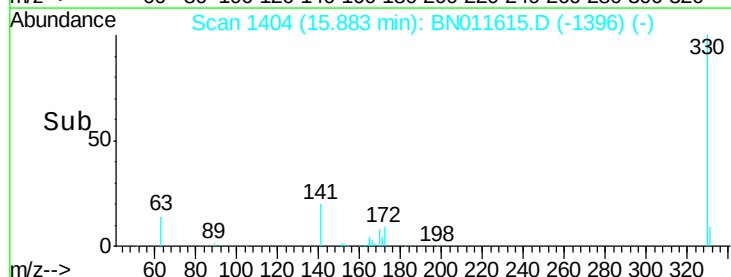
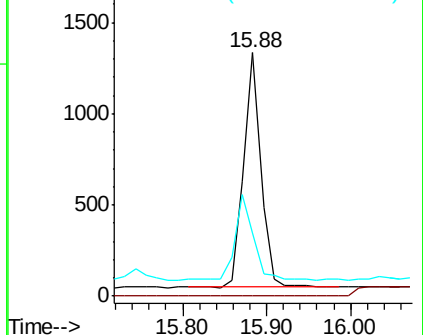
141 39.6 29.4 44.2

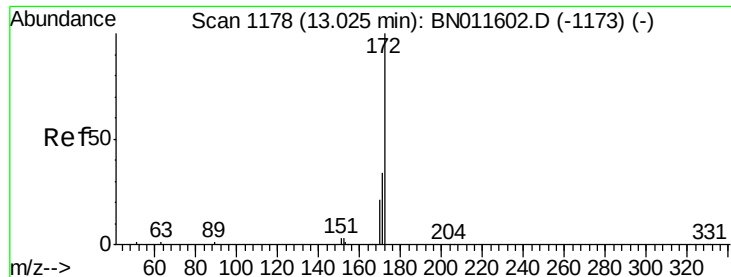


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

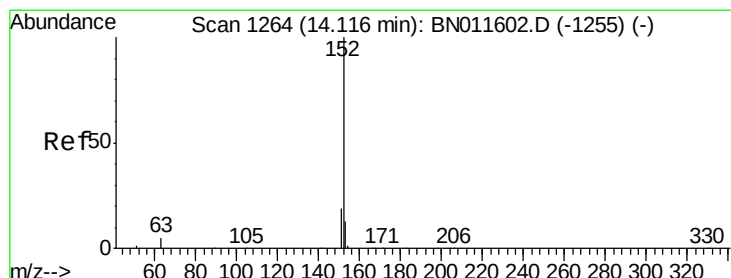
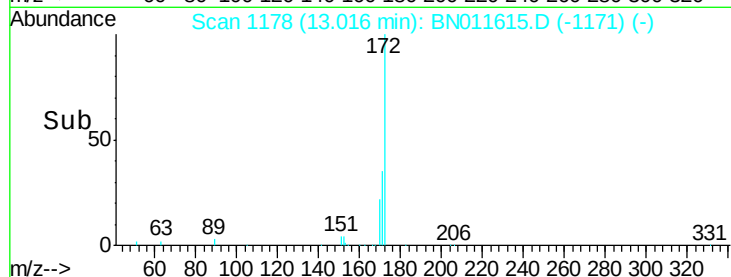
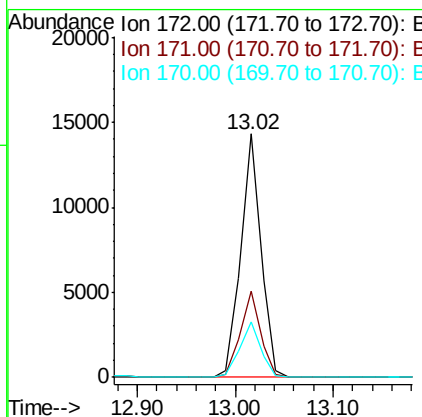
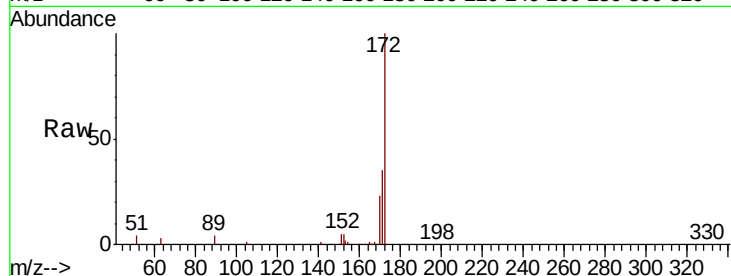




#15
2-Fluorobiphenyl
Concen: 0.566 ng
RT: 13.02 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

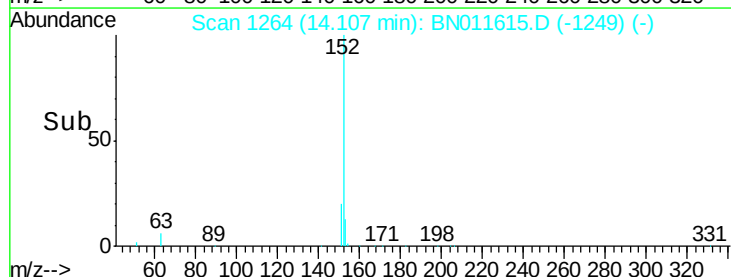
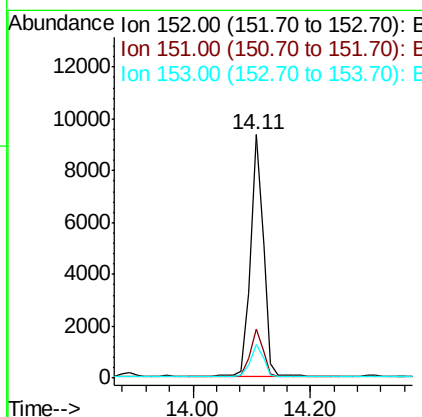
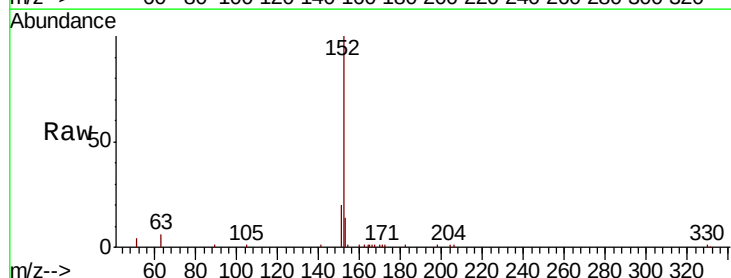
Instrument :
BNA_N
ClientSampleId :
CS-3MS

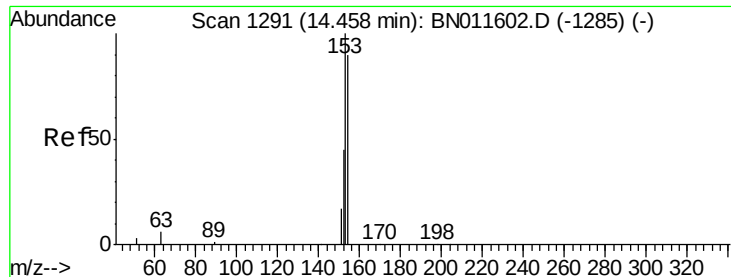
Tot Ion:172 Resp: 20138
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 22.8 18.2 27.2



#16
Acenaphthylene
Concen: 0.294 ng
RT: 14.11 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Tgt Ion:152 Resp: 14171
Ion Ratio Lower Upper
152 100
151 19.7 16.2 24.2
153 13.4 11.0 16.4





#17

Acenaphthene

Concen: 0.291 ng

RT: 14.45 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BN011615.D

Acq: 25 Aug 2020 14:48

Instrument :

BNA_N

ClientSampleId :

CS-3MS

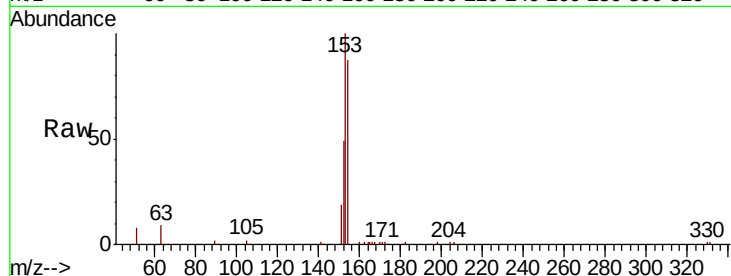
Tot Ion:154 Resp: 8888

Ion Ratio Lower Upper

154 100

153 111.6 86.6 130.0

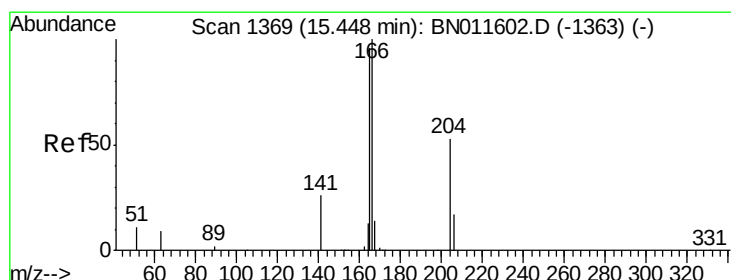
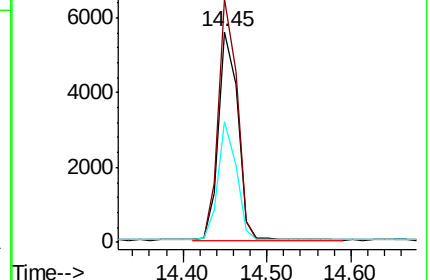
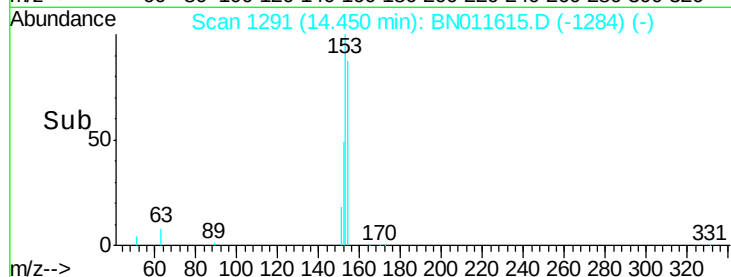
152 53.1 40.1 60.1



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: 0.290 ng

RT: 15.44 min Scan# 1369

Delta R.T. -0.01 min

Lab File: BN011615.D

Acq: 25 Aug 2020 14:48

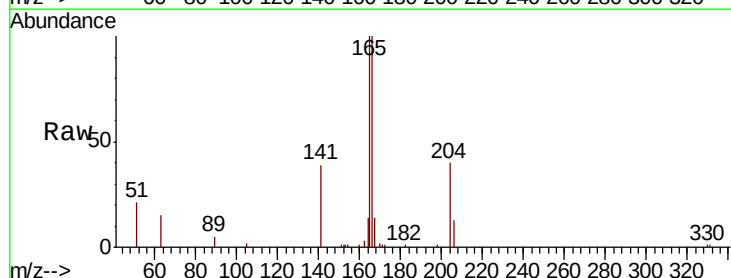
Tgt Ion:166 Resp: 11471

Ion Ratio Lower Upper

166 100

165 98.5 77.4 116.2

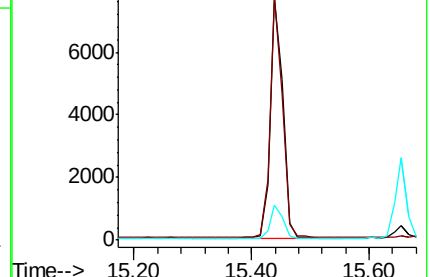
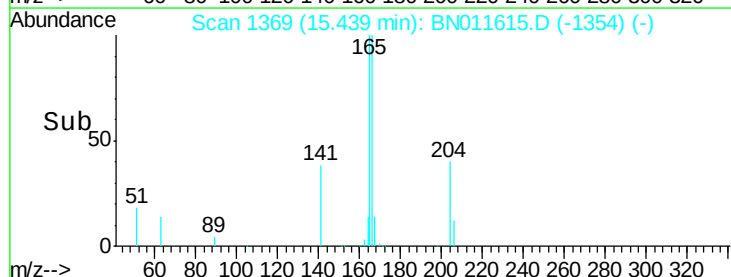
167 13.9 11.5 17.3

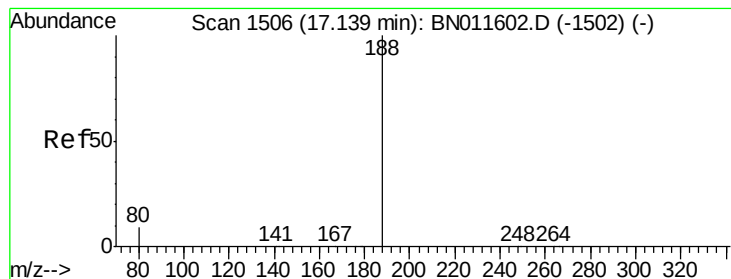


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.14 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BN011615.D

Acq: 25 Aug 2020 14:48

Instrument :

BNA_N

ClientSampleId :

CS-3MS

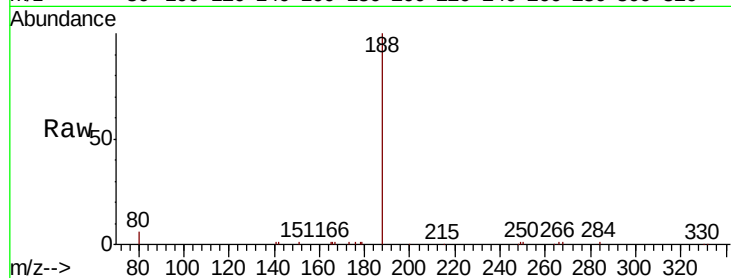
Tot Ion:188 Resp: 19927

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

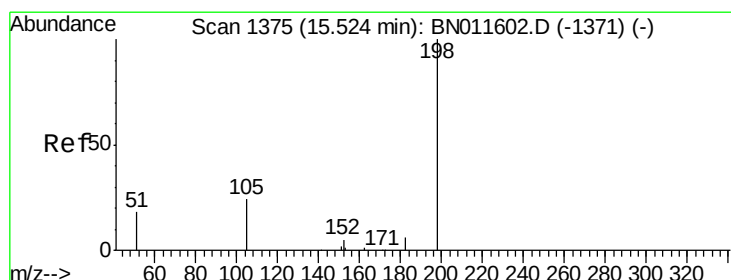
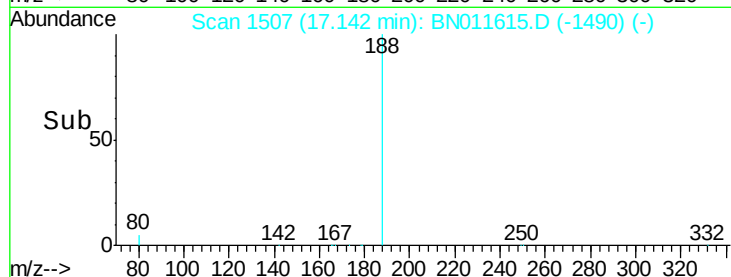
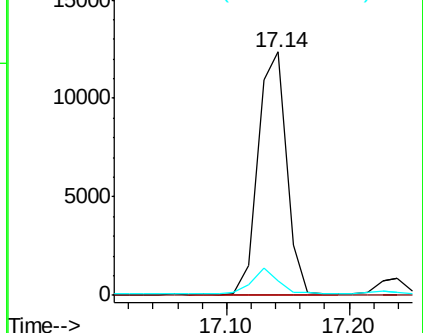
80 5.9 9.2 13.8#



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

4,6-Dinitro-2-methylphenol

Concen: 0.278 ng

RT: 15.52 min Scan# 1375

Delta R.T. -0.01 min

Lab File: BN011615.D

Acq: 25 Aug 2020 14:48

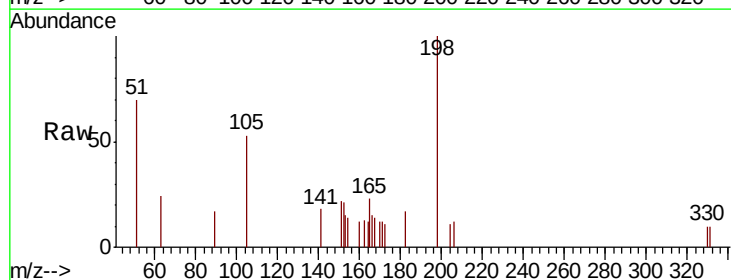
Tgt Ion:198 Resp: 639

Ion Ratio Lower Upper

198 100

51 69.5 99.6 149.4#

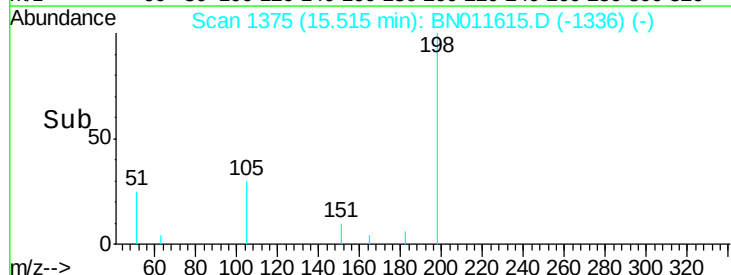
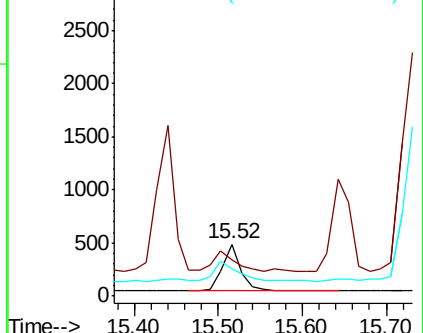
105 53.1 118.8 178.2#

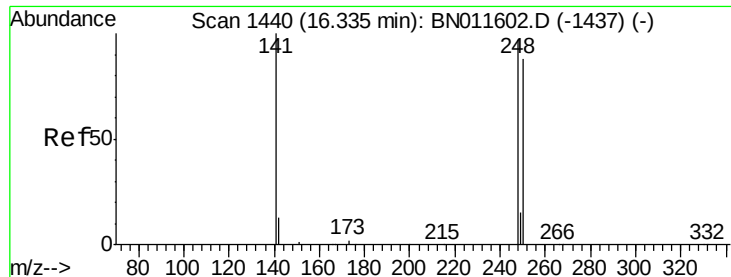


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNO

Ion 105.00 (104.70 to 105.70): E





#21

4-Bromophenyl-phenylether

Concen: 0.287 ng

RT: 16.34 min Scan# 1441

Delta R.T. 0.00 min

Lab File: BN011615.D

Acq: 25 Aug 2020 14:48

Instrument :

BNA_N

ClientSampleId :

CS-3MS

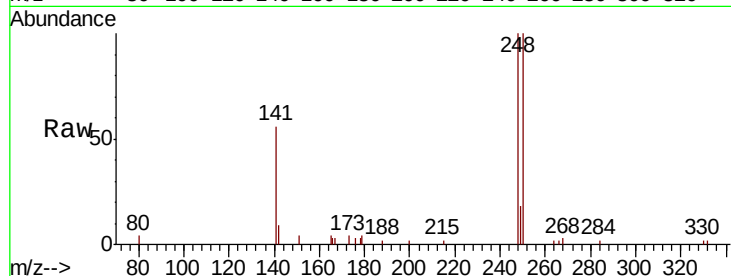
Tot Ion:248 Resp: 3342

Ion Ratio Lower Upper

248 100

250 100.3 73.4 110.2

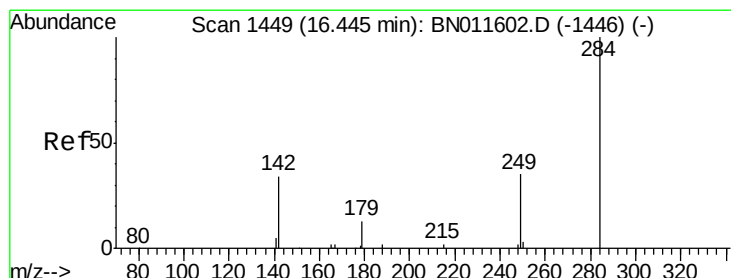
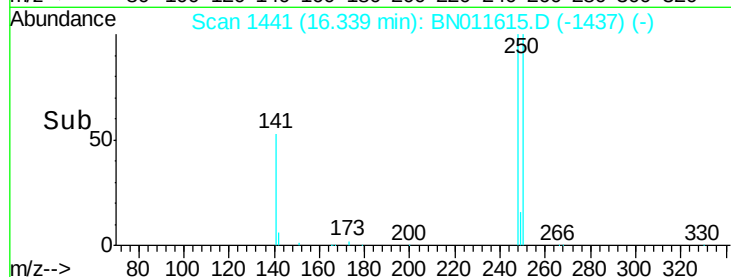
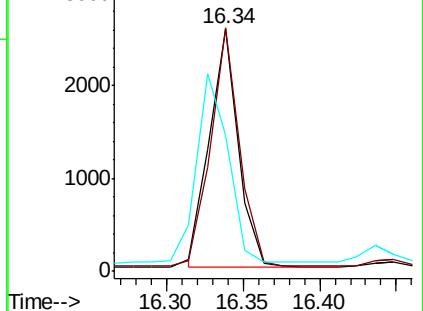
141 55.9 88.5 132.7#



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



#22

Hexachlorobenzene

Concen: 0.297 ng

RT: 16.45 min Scan# 1450

Delta R.T. 0.00 min

Lab File: BN011615.D

Acq: 25 Aug 2020 14:48

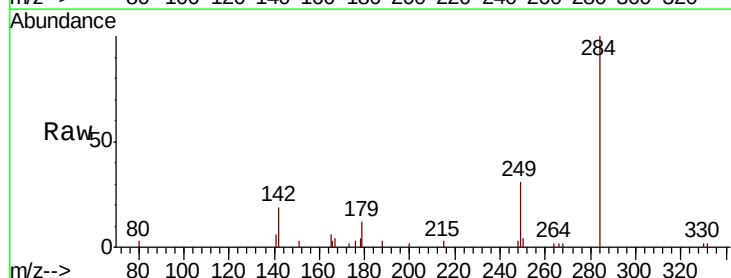
Tgt Ion:284 Resp: 3988

Ion Ratio Lower Upper

284 100

142 34.4 27.3 40.9

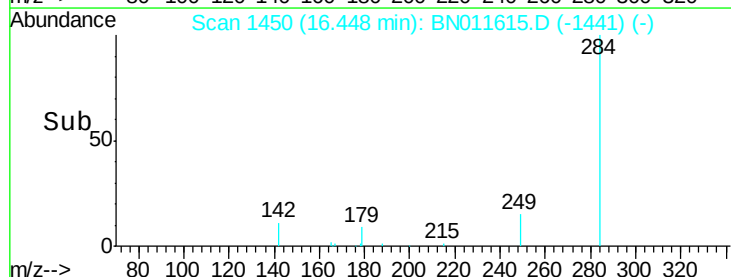
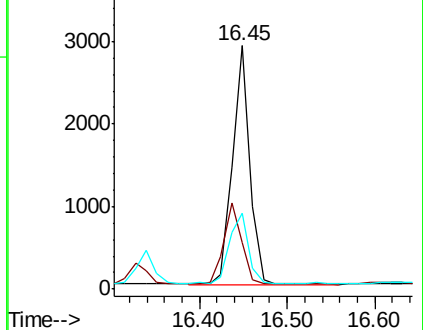
249 31.9 25.2 37.8

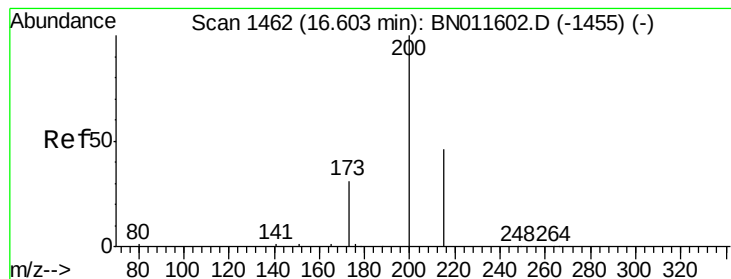


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#23

Atrazine

Concen: 0.248 ng

RT: 16.61 min Scan# 1463

Delta R.T. 0.00 min

Lab File: BN011615.D

Acq: 25 Aug 2020 14:48

Instrument :

BNA_N

ClientSampleId :

CS-3MS

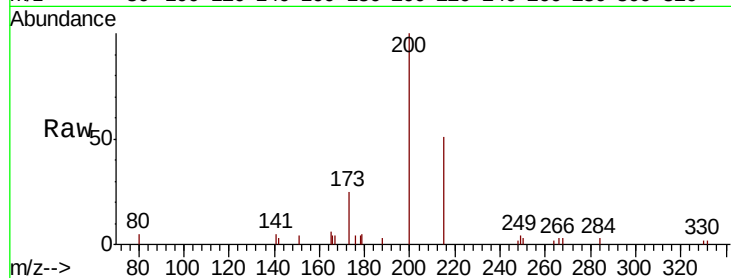
Tot Ion:200 Resp: 2849

Ion Ratio Lower Upper

200 100

173 25.5 28.2 42.4#

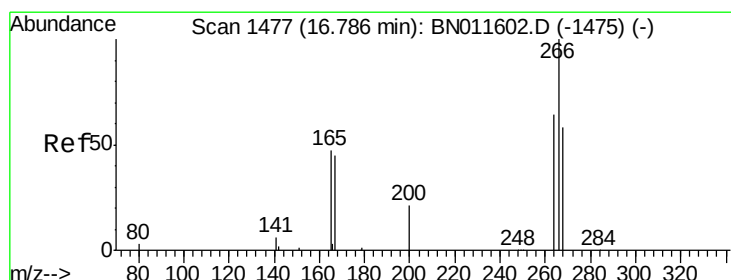
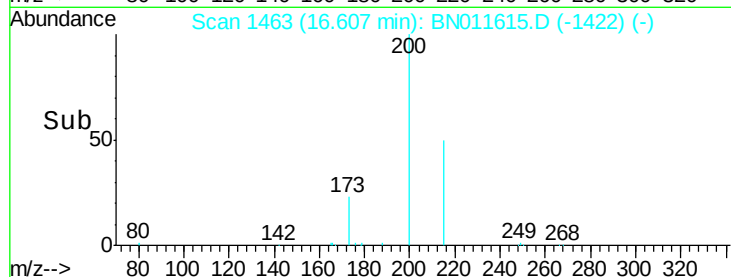
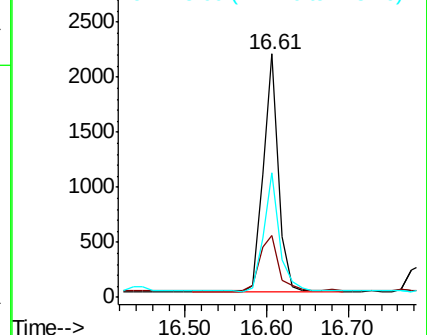
215 51.1 39.8 59.6



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#24

Pentachlorophenol

Concen: 0.376 ng

RT: 16.79 min Scan# 1478

Delta R.T. 0.00 min

Lab File: BN011615.D

Acq: 25 Aug 2020 14:48

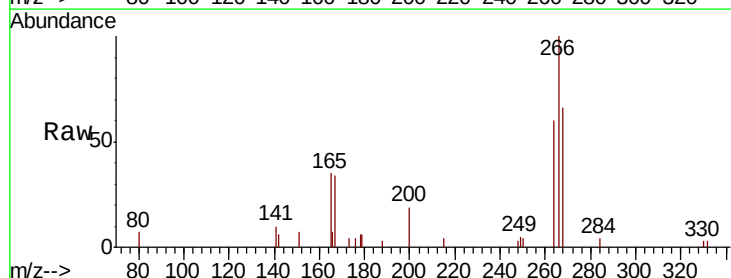
Tgt Ion:266 Resp: 2228

Ion Ratio Lower Upper

266 100

264 63.6 48.1 72.1

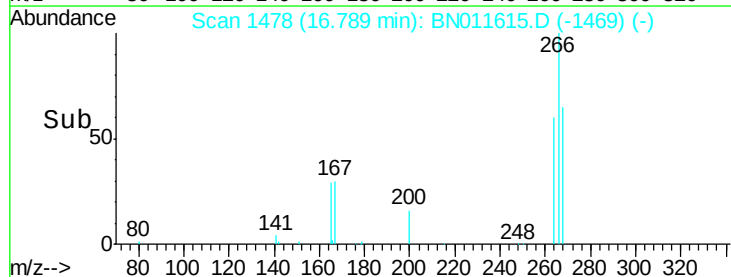
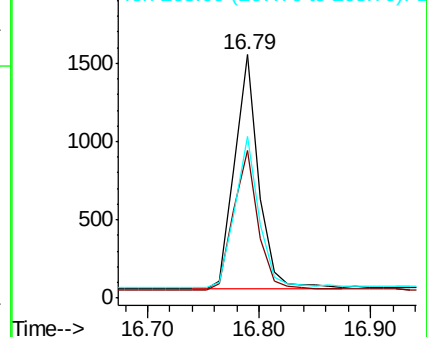
268 68.3 48.4 72.6

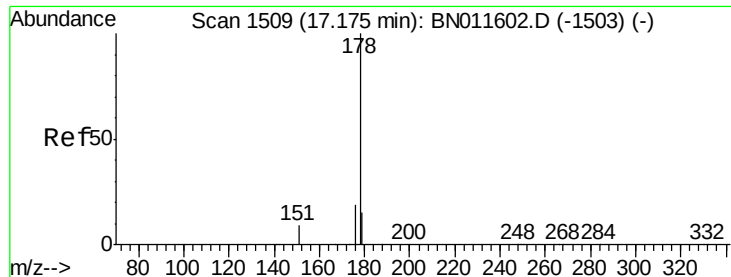


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Phenanthrene

Concen: 0.305 ng

RT: 17.18 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BN011615.D

Acq: 25 Aug 2020 14:48

Instrument :

BNA_N

ClientSampleId :

CS-3MS

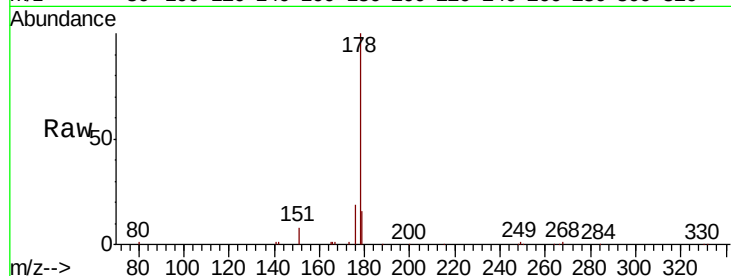
Tot Ion:178 Resp: 18900

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

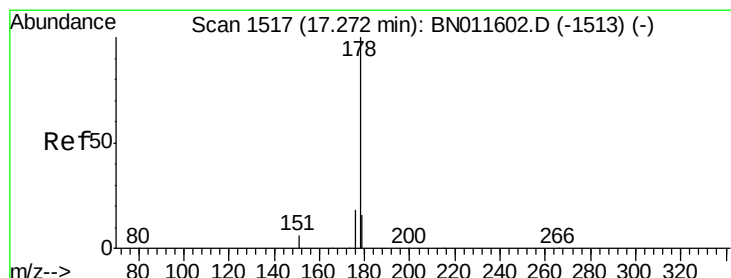
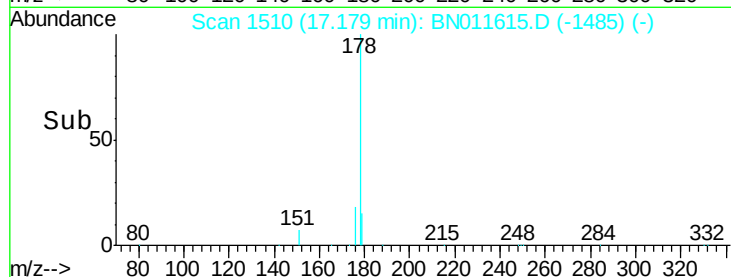
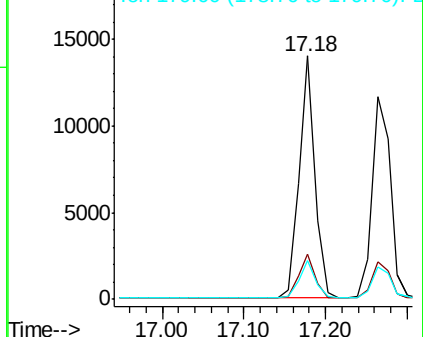
179 15.8 12.6 18.8



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



#26

Anthracene

Concen: 0.296 ng

RT: 17.26 min Scan# 1517

Delta R.T. -0.01 min

Lab File: BN011615.D

Acq: 25 Aug 2020 14:48

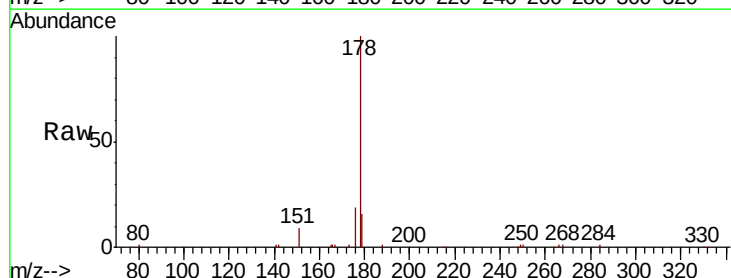
Tgt Ion:178 Resp: 18056

Ion Ratio Lower Upper

178 100

176 17.9 14.6 21.8

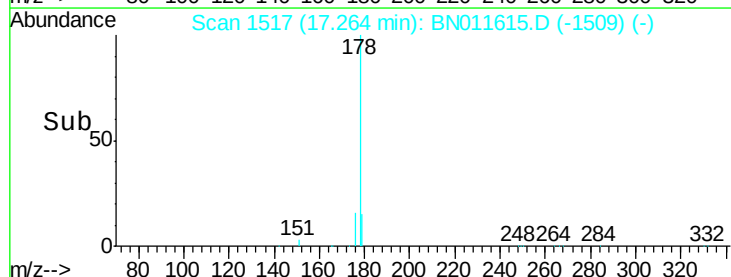
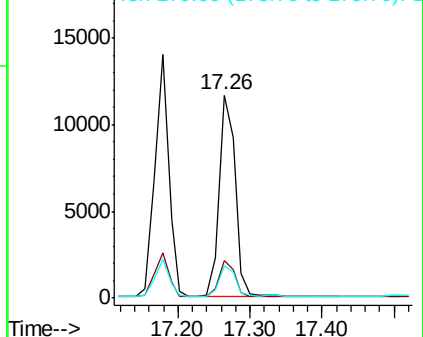
179 15.2 12.5 18.7

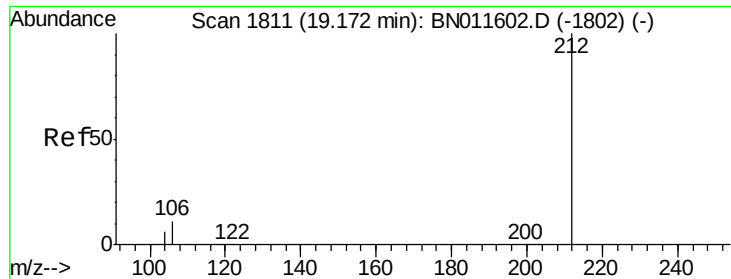


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

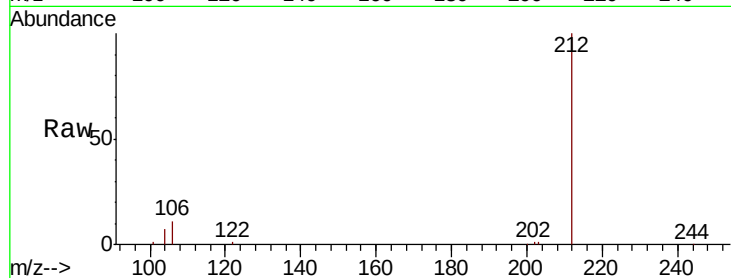




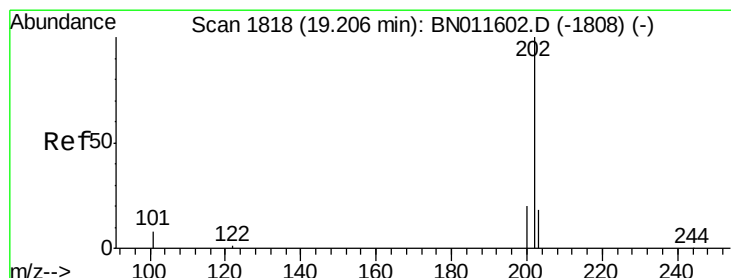
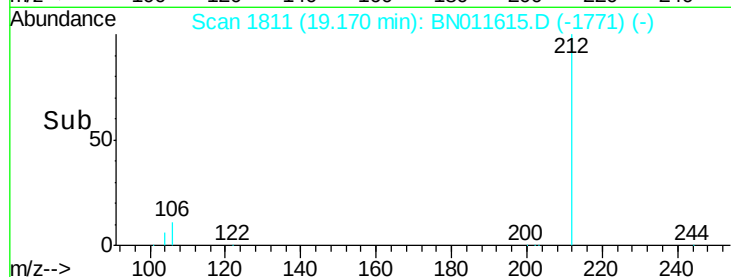
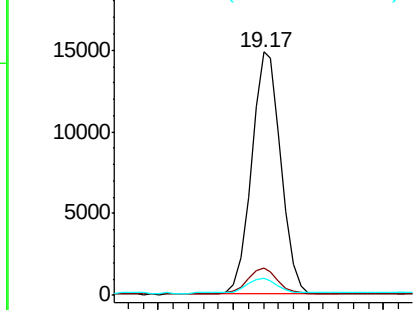
#27
 Fluoranthene-d10
 Concen: 0.308 ng
 RT: 19.17 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: BN011615.D
 Acq: 25 Aug 2020 14:48

Instrument :
 BNA_N
 ClientSampleId :
 CS-3MS

Tot Ion:212 Resp: 20017
 Ion Ratio Lower Upper
 212 100
 106 10.6 8.9 13.3
 104 6.1 5.3 7.9

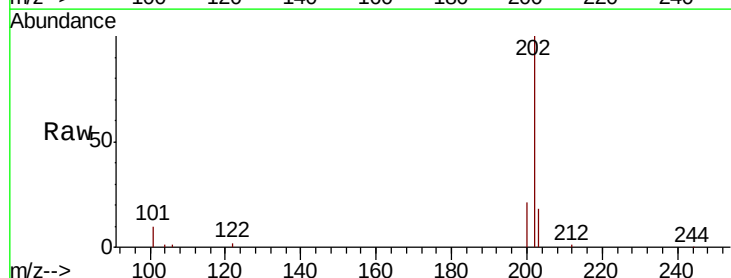


Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E

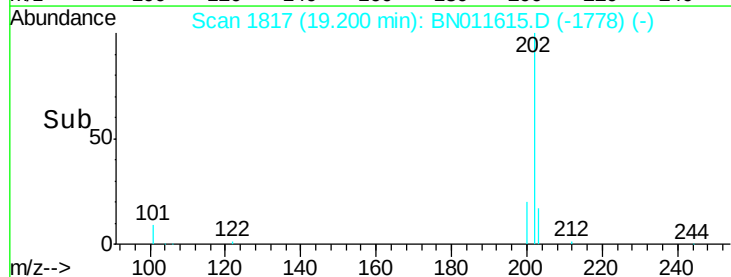
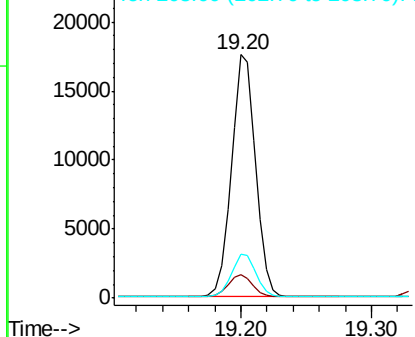


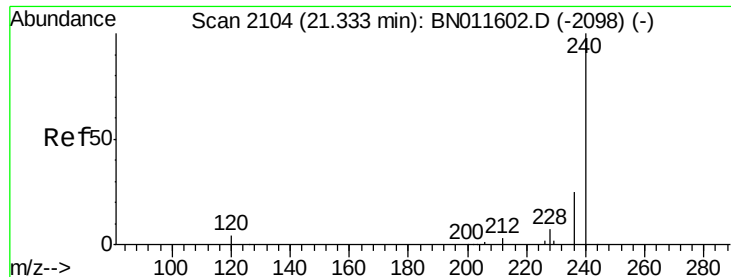
#28
 Fluoranthene
 Concen: 0.302 ng
 RT: 19.20 min Scan# 1817
 Delta R.T. -0.01 min
 Lab File: BN011615.D
 Acq: 25 Aug 2020 14:48

Tgt Ion:202 Resp: 22623
 Ion Ratio Lower Upper
 202 100
 101 9.4 7.7 11.5
 203 17.4 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

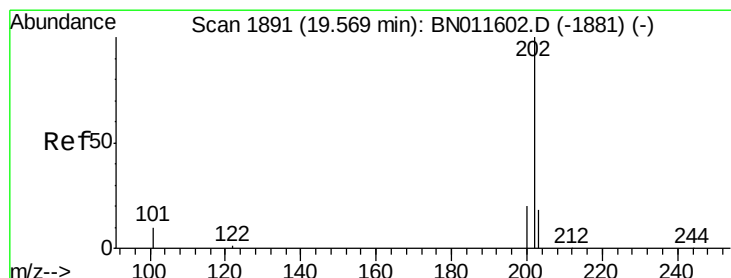
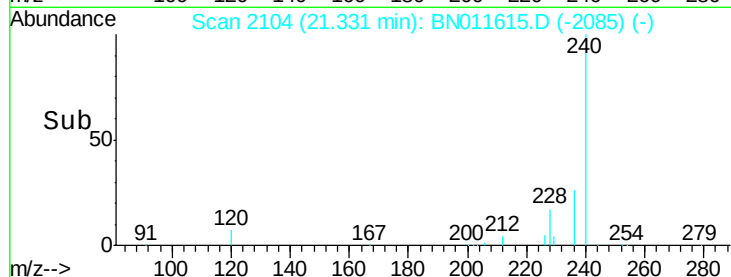
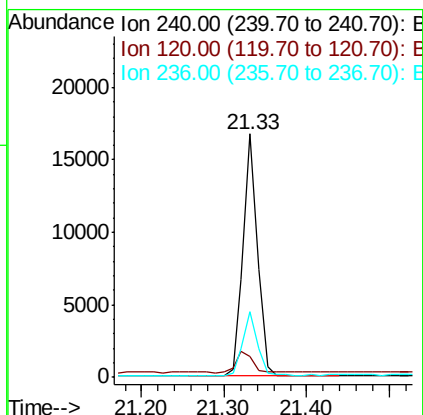
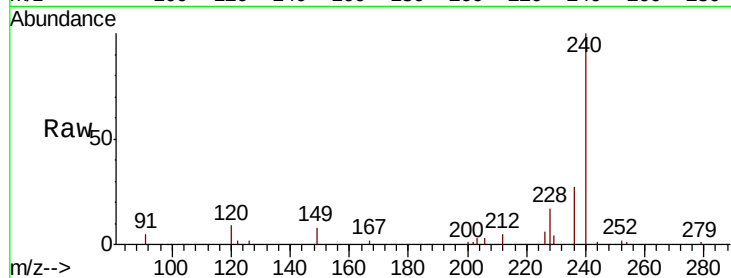




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.33 min Scan# 2104
Delta R.T. -0.00 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

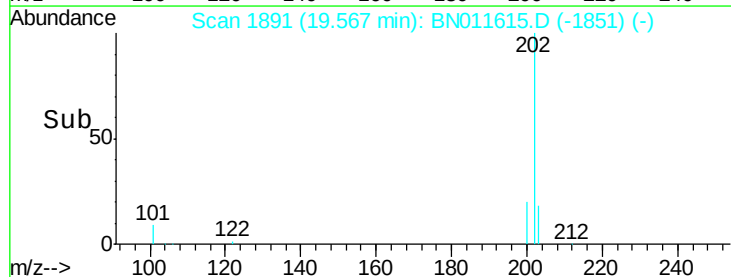
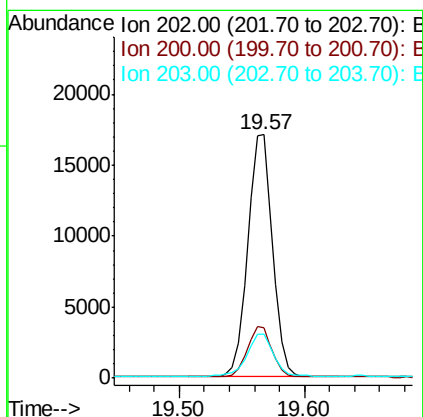
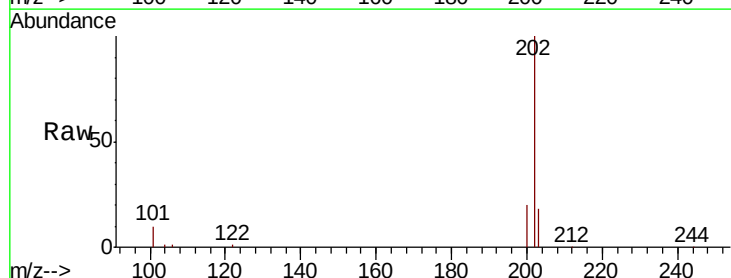
Instrument :
BNA_N
ClientSampleId :
CS-3MS

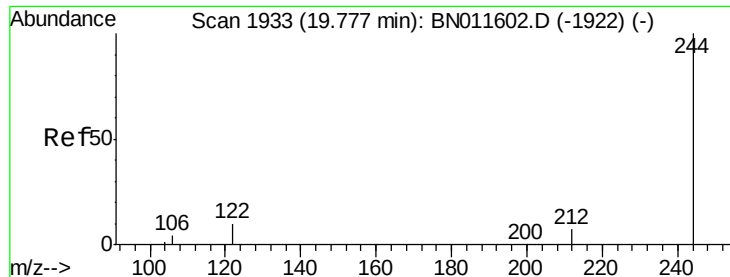
Tot Ion:240 Resp: 20360
Ion Ratio Lower Upper
240 100
120 8.8 6.0 9.0
236 27.1 20.8 31.2



#30
Pyrene
Concen: 0.326 ng
RT: 19.57 min Scan# 1891
Delta R.T. -0.00 min
Lab File: BN011615.D
Acq: 25 Aug 2020 14:48

Tgt Ion:202 Resp: 23544
Ion Ratio Lower Upper
202 100
200 20.6 16.3 24.5
203 18.4 14.2 21.4





#31

Terphenyl-d14

Concen: 0.619 ng

RT: 19.78 min Scan# 1933

Delta R.T. -0.00 min

Lab File: BN011615.D

Acq: 25 Aug 2020 14:48

Instrument :

BNA_N

ClientSampleId :

CS-3MS

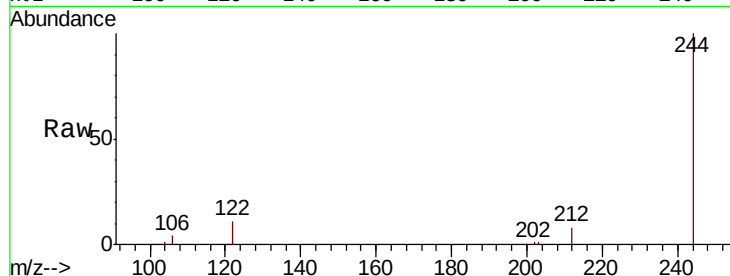
Tot Ion:244 Resp: 32220

Ion Ratio Lower Upper

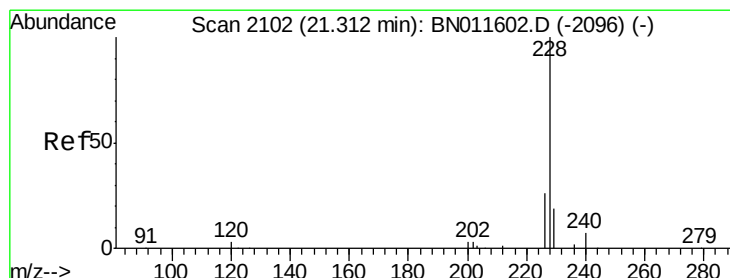
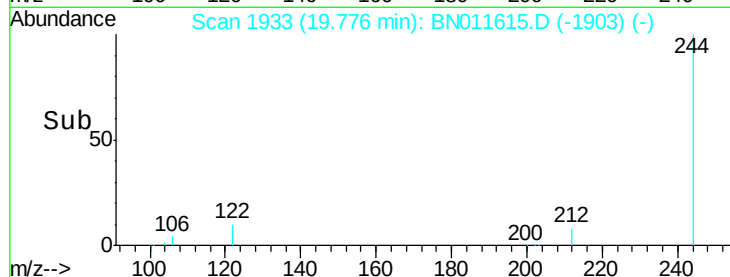
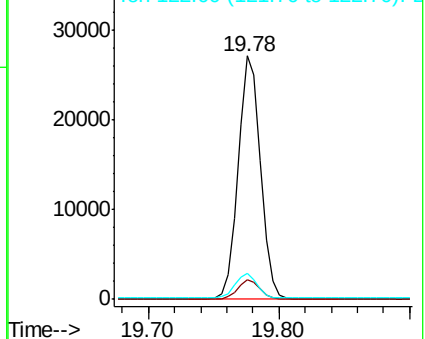
244 100

212 7.8 6.5 9.7

122 10.6 9.5 14.3



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



#32

Benzo(a)anthracene

Concen: 0.332 ng

RT: 21.32 min Scan# 2103

Delta R.T. 0.01 min

Lab File: BN011615.D

Acq: 25 Aug 2020 14:48

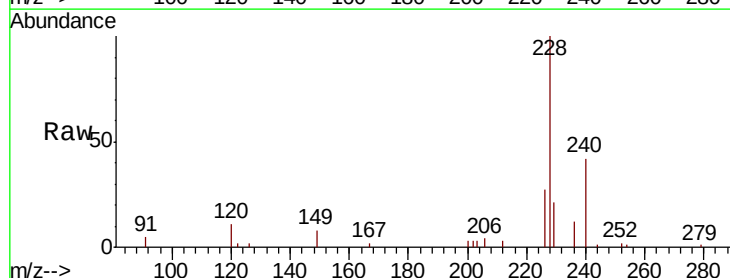
Tgt Ion:228 Resp: 24353

Ion Ratio Lower Upper

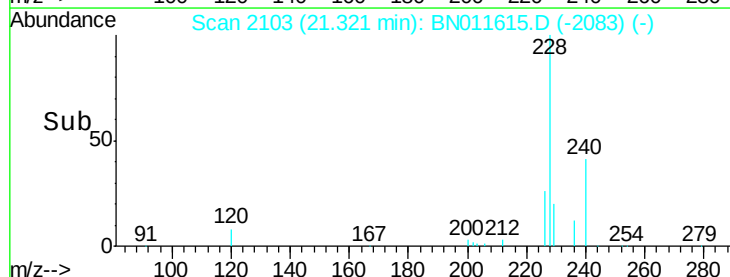
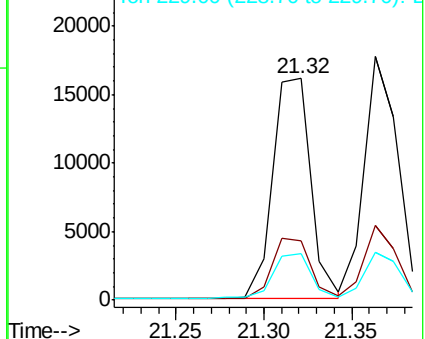
228 100

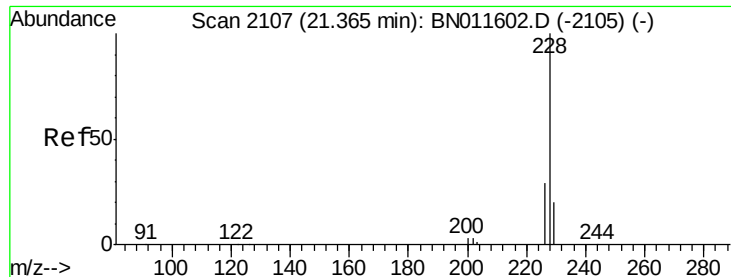
226 26.7 21.2 31.8

229 21.2 15.8 23.8



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





#33

Chrysene

Concen: 0.335 ng

RT: 21.36 min Scan# 2107

Delta R.T. -0.00 min

Lab File: BN011615.D

Acq: 25 Aug 2020 14:48

Instrument :

BNA_N

ClientSampleId :

CS-3MS

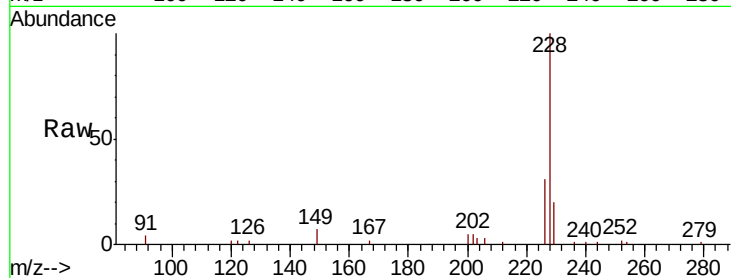
Tot Ion:228 Resp: 23421

Ion Ratio Lower Upper

228 100

226 30.5 23.6 35.4

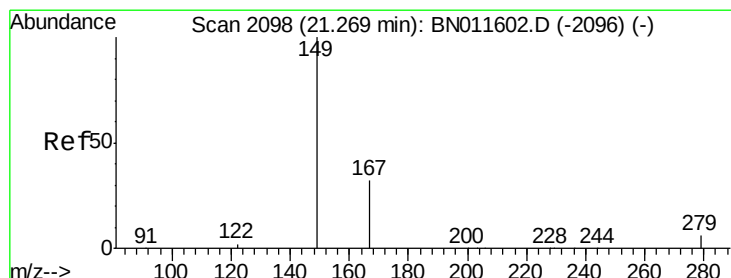
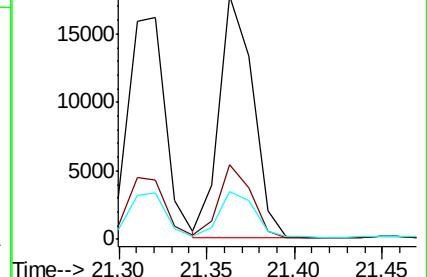
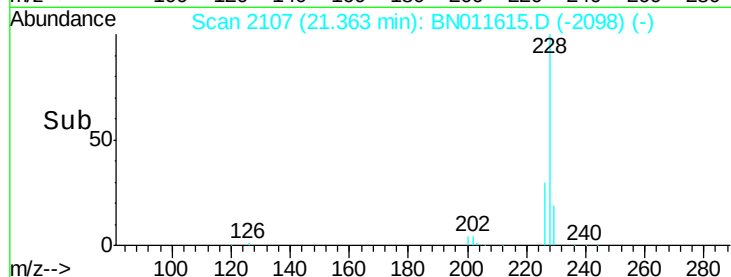
229 19.7 16.0 24.0



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



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.286 ng

RT: 21.27 min Scan# 2098

Delta R.T. -0.00 min

Lab File: BN011615.D

Acq: 25 Aug 2020 14:48

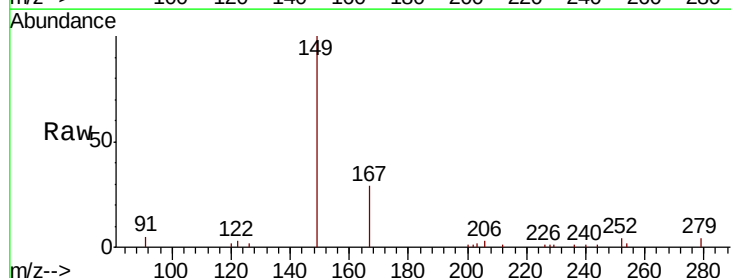
Tgt Ion:149 Resp: 15360

Ion Ratio Lower Upper

149 100

167 28.7 20.6 31.0

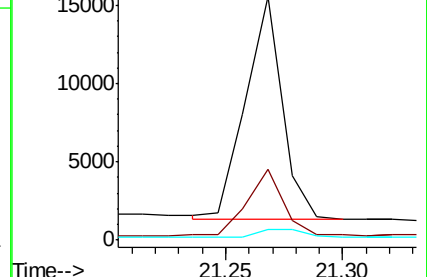
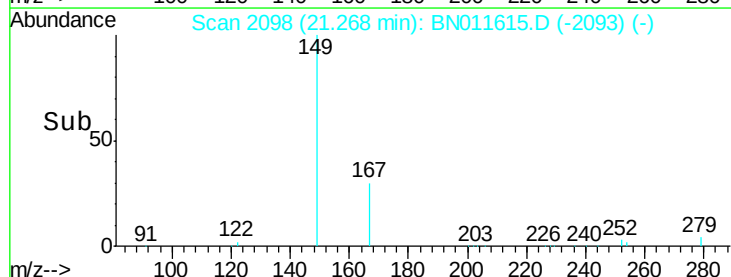
279 5.0 3.8 5.8

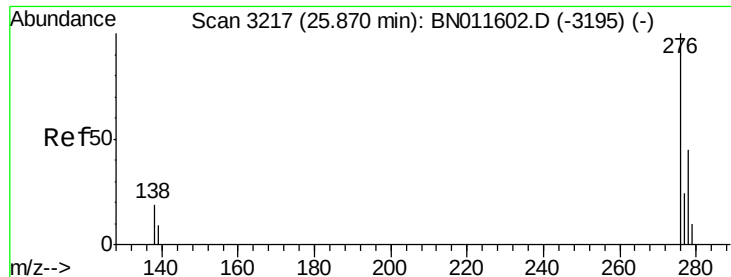


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

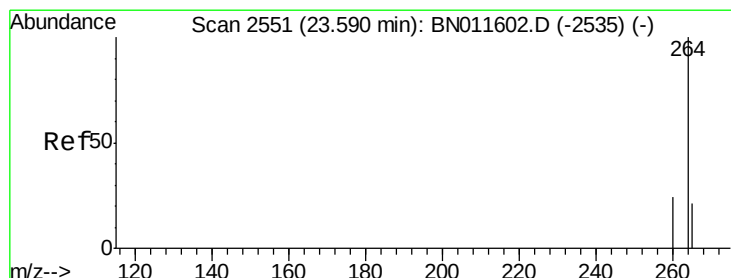
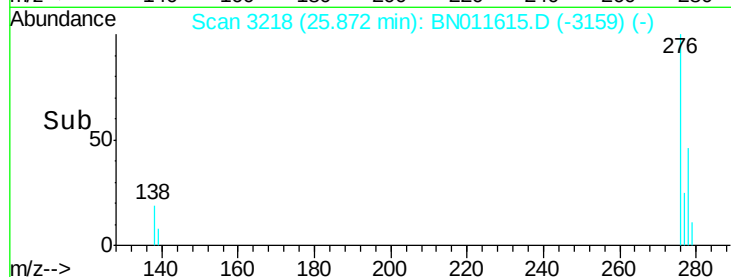
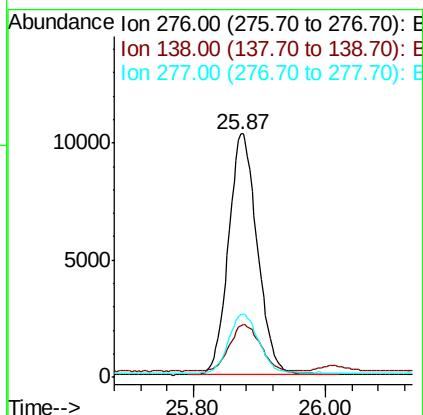
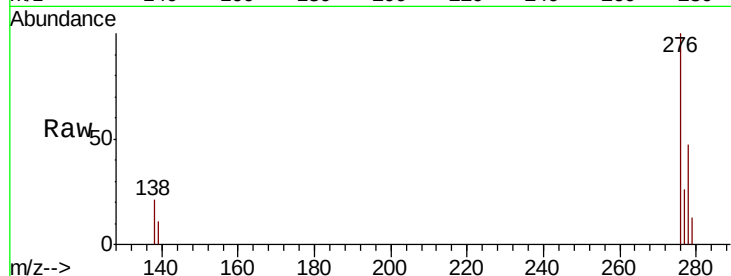




#35
 Indeno(1,2,3-cd)pyrene
 Concen: 0.367 ng
 RT: 25.87 min Scan# 3218
 Delta R.T. 0.00 min
 Lab File: BN011615.D
 Acq: 25 Aug 2020 14:48

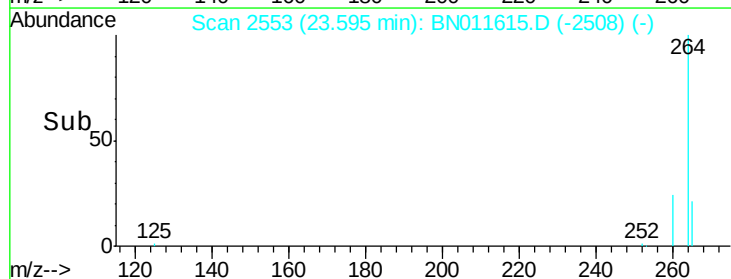
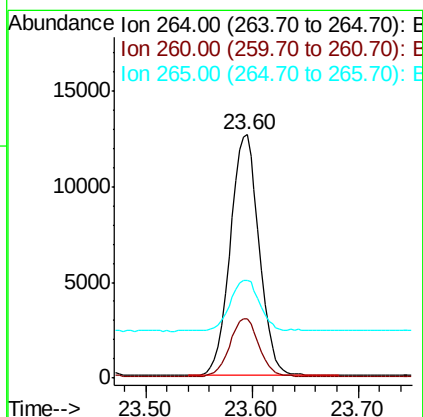
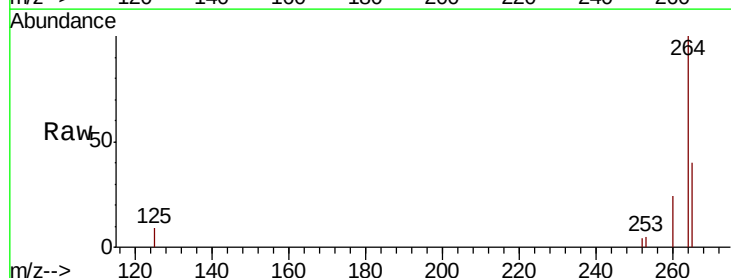
Instrument :
 BNA_N
 ClientSampleId :
 CS-3MS

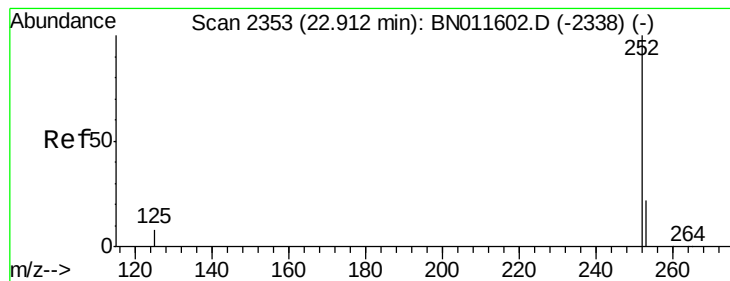
Tot Ion:276 Resp: 31382
 Ion Ratio Lower Upper
 276 100
 138 20.5 0.0 0.0#
 277 25.2 0.0 0.0#



#36
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.60 min Scan# 2553
 Delta R.T. 0.01 min
 Lab File: BN011615.D
 Acq: 25 Aug 2020 14:48

Tgt Ion:264 Resp: 23801
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.6 29.4
 265 39.9 40.7 61.1#





#37

Benzo(b)fluoranthene

Concen: 0.307 ng

RT: 22.91 min Scan# 2354

Delta R.T. 0.00 min

Lab File: BN011615.D

Acq: 25 Aug 2020 14:48

Instrument :

BNA_N

ClientSampleId :

CS-3MS

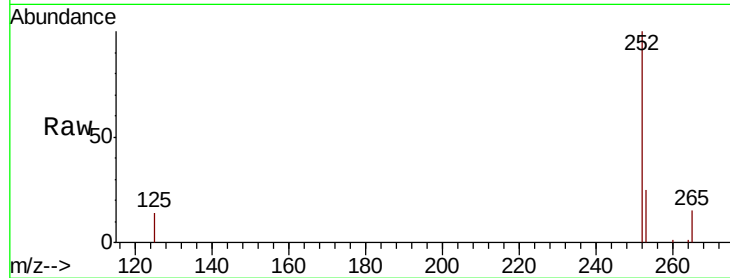
Tot Ion:252 Resp: 26478

Ion Ratio Lower Upper

252 100

253 24.7 21.0 31.6

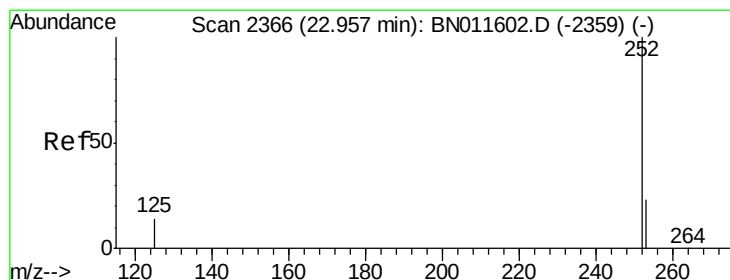
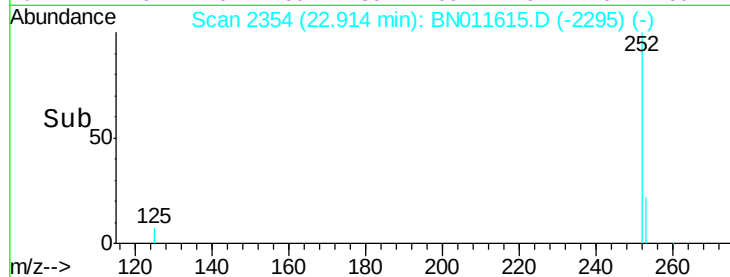
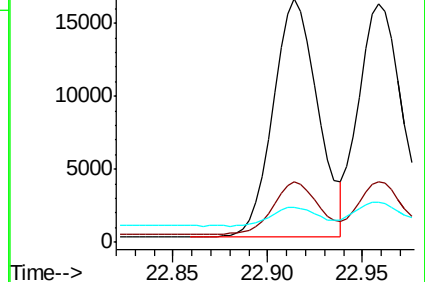
125 14.3 11.0 16.6



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

Benzo(k)fluoranthene

Concen: 0.298 ng

RT: 22.96 min Scan# 2367

Delta R.T. 0.00 min

Lab File: BN011615.D

Acq: 25 Aug 2020 14:48

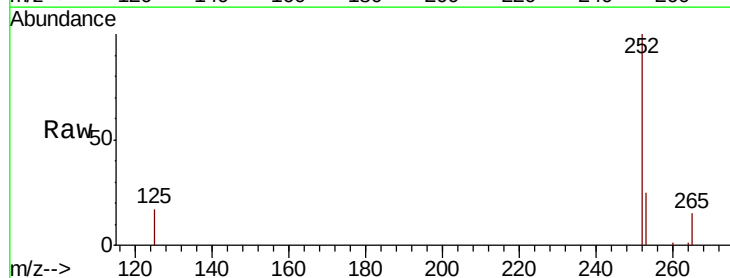
Tgt Ion:252 Resp: 25526

Ion Ratio Lower Upper

252 100

253 25.4 21.2 31.8

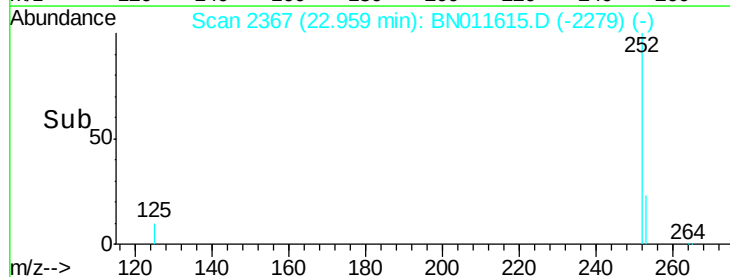
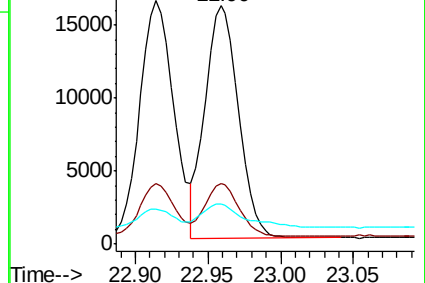
125 16.9 14.6 21.8

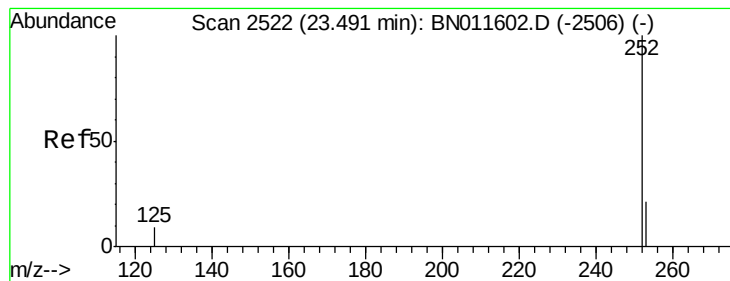


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Benzo(a)pyrene

Concen: 0.293 ng

RT: 23.50 min Scan# 2524

Delta R.T. 0.01 min

Lab File: BN011615.D

Acq: 25 Aug 2020 14:48

Instrument :

BNA_N

ClientSampleId :

CS-3MS

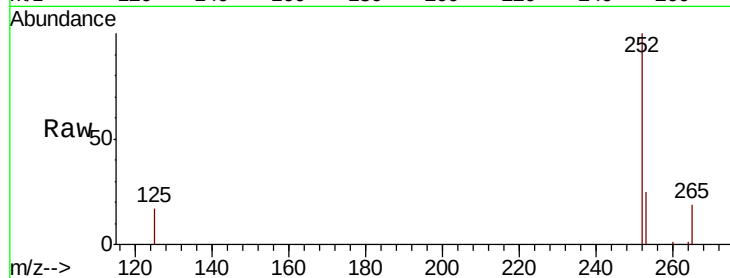
Tot Ion:252 Resp: 23566

Ion Ratio Lower Upper

252 100

253 25.0 21.2 31.8

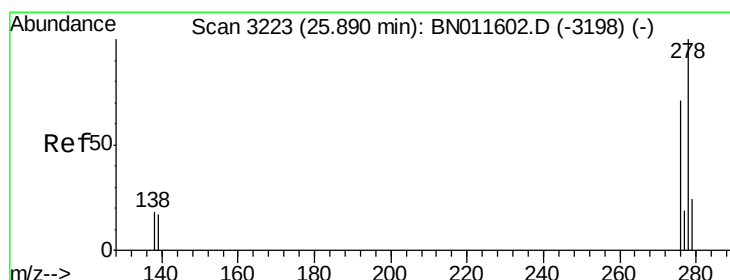
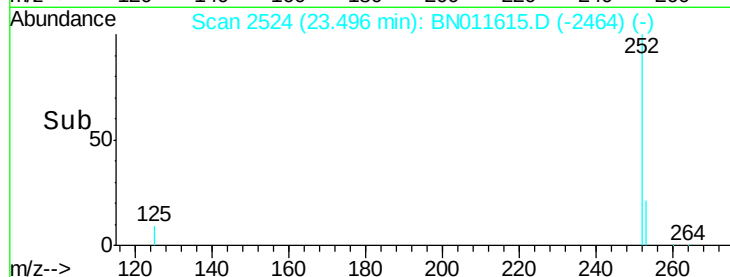
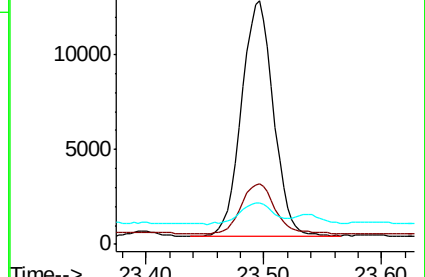
125 17.1 12.1 18.1



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



#40

Dibenzo(a,h)anthracene

Concen: 0.313 ng

RT: 25.89 min Scan# 3224

Delta R.T. 0.00 min

Lab File: BN011615.D

Acq: 25 Aug 2020 14:48

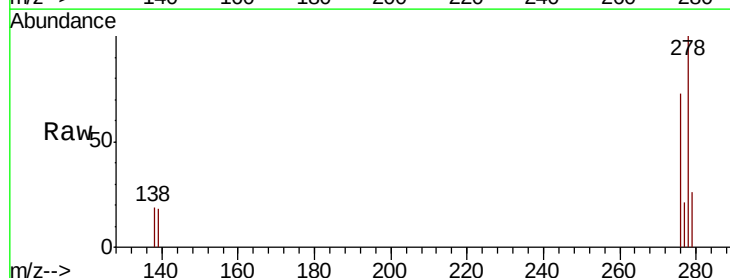
Tgt Ion:278 Resp: 26264

Ion Ratio Lower Upper

278 100

139 17.6 16.6 25.0

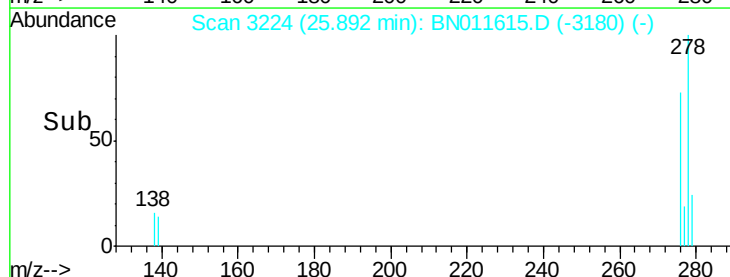
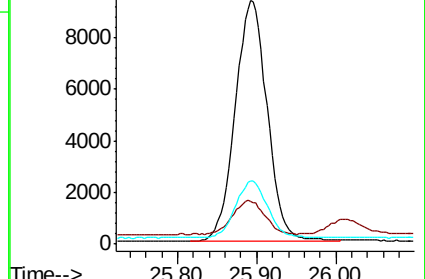
279 26.1 21.4 32.2

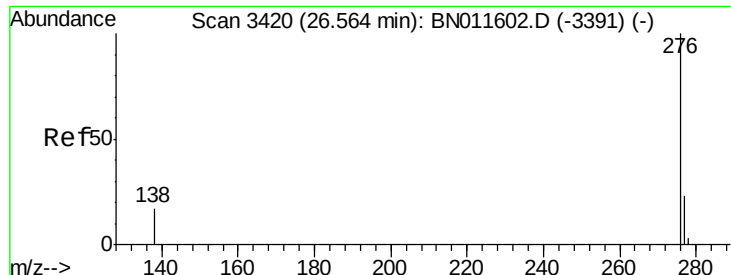


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#41

Benzo(a,h,i)perylene

Concen: 0.330 ng

RT: 26.57 min Scan# 3421

Delta R.T. 0.00 min

Lab File: BN011615.D

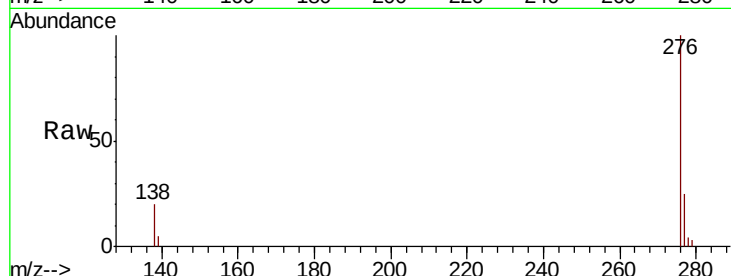
Acq: 25 Aug 2020 14:48

Instrument :

BNA_N

ClientSampleId :

CS-3MS



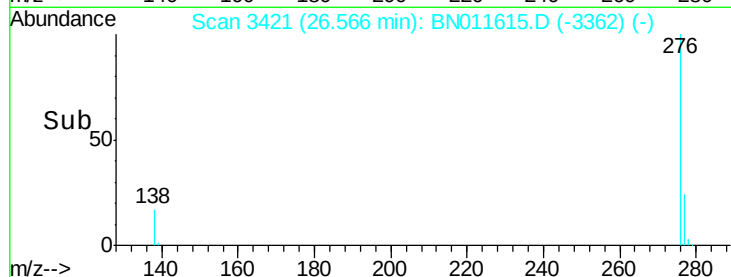
Tot Ion: 276 Resp: 26884

Ion Ratio Lower Upper

276 100

277 25.4 20.5 30.7

138 19.6 17.8 26.6



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

