

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062220\
 Data File : BN011008.D
 Acq On : 22 Jun 2020 14:28
 Operator : CG/JU
 Sample : L3043-12MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE139D2-20200616MSD

Quant Time: Jun 22 15:07:12 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 22 12:02:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	2327	0.40	ng	0.00
7) Naphthalene-d8	10.28	136	6964	0.40	ng	0.00
13) Acenaphthene-d10	14.15	164	4003	0.40	ng	0.00
19) Phenanthrene-d10	16.90	188	7370	0.40	ng	-0.01
27) Chrysene-d12	21.12	240	7575	0.40	ng	0.00
34) Perylene-d12	23.26	264	8382	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.19	112	588	0.13	ng	0.00
5) Phenol-d6	6.73	99	464	0.09	ng	0.00
8) Nitrobenzene-d5	8.67	82	2050	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	11.88	152	3430	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.66	330	318	0.22	ng	0.00
15) 2-Fluorobiphenyl	12.76	172	6044	0.38	ng	-0.01
25) Fluoranthene-d10	18.94	212	7575	0.37	ng	0.00
29) Terphenyl-d14	19.56	244	8823	0.50	ng	0.00

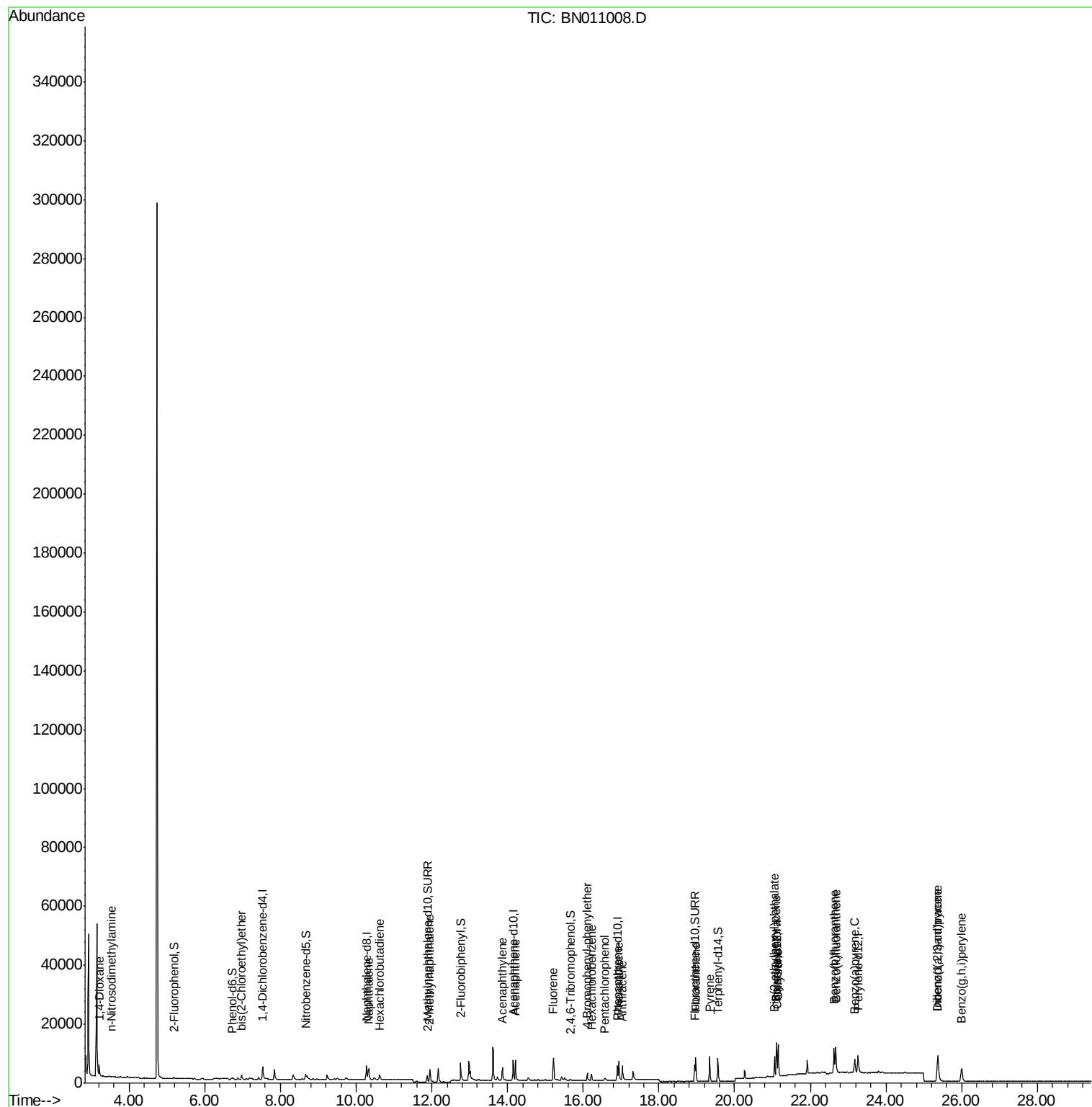
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.21	88	2881	1.264	ng	# 96
3) n-Nitrosodimethylamine	3.53	42	142	0.107	ng	# 77
6) bis(2-Chloroethyl)ether	6.98	93	1503	0.291	ng	95
9) Naphthalene	10.33	128	5236	0.299	ng	99
10) Hexachlorobutadiene	10.62	225	1167	0.270	ng	# 99
12) 2-Methylnaphthalene	11.95	142	3474	0.297	ng	98
16) Acenaphthylene	13.87	152	4893	0.298	ng	99
17) Acenaphthene	14.21	154	3282	0.294	ng	99
18) Fluorene	15.21	166	4005	0.278	ng	98
20) 4-Bromophenyl-phenylether	16.10	248	1373	0.310	ng	# 78
21) Hexachlorobenzene	16.22	284	1505	0.326	ng	98
22) Pentachlorophenol	16.57	266	405	0.261	ng	98
23) Phenanthrene	16.94	178	7129	0.354	ng	99
24) Anthracene	17.04	178	5866	0.349	ng	99
26) Fluoranthene	18.97	202	8541	0.374	ng	100
28) Pyrene	19.34	202	8571	0.342	ng	100
30) Benzo(a)anthracene	21.10	228	8271	0.371	ng	99
31) Chrysene	21.15	228	9027	0.348	ng	98
32) Bis(2-ethylhexyl)phthalate	21.06	149	4292	0.578	ng	95
33) Indeno(1,2,3-cd)pyrene	25.36	276	11456	0.395	ng	97
35) Benzo(b)fluoranthene	22.63	252	10048	0.353	ng	99
36) Benzo(k)fluoranthene	22.67	252	11446	0.377	ng	99
37) Benzo(a)pyrene	23.17	252	7881	0.322	ng	99
38) Dibenzo(a,h)anthracene	25.38	278	9424	0.338	ng	98
39) Benzo(g,h,i)perylene	26.00	276	10102	0.347	ng	99

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

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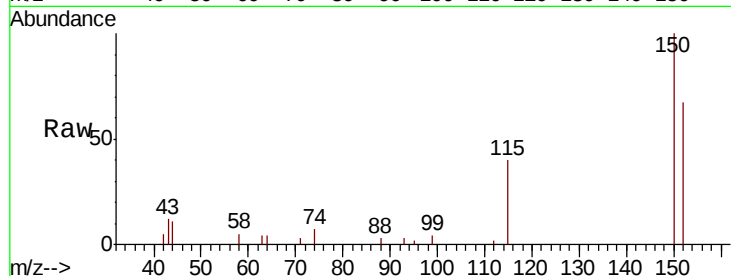


#1

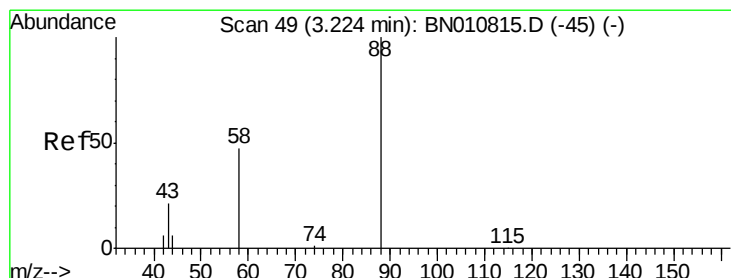
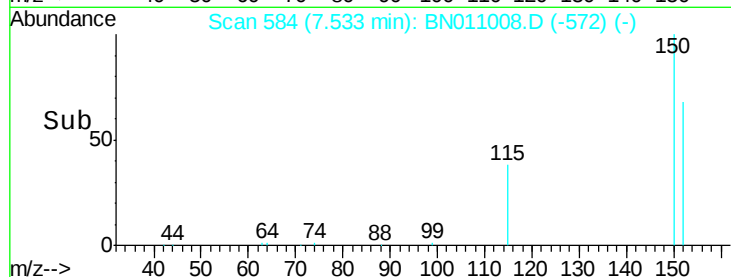
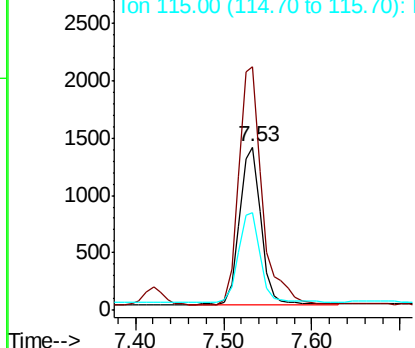
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.53 min Scan# 584
Delta R.T. 0.00 min
Lab File: BN011008.D
Acq: 22 Jun 2020 14:28

Instrument :
BNA_N
ClientSampleId :
RE139D2-20200616MSD

Tot Ion:152 Resp: 2327
Ion Ratio Lower Upper
152 100
150 148.9 123.8 185.6
115 59.7 49.2 73.8



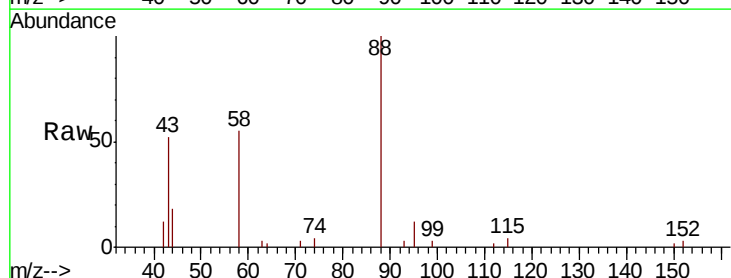
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



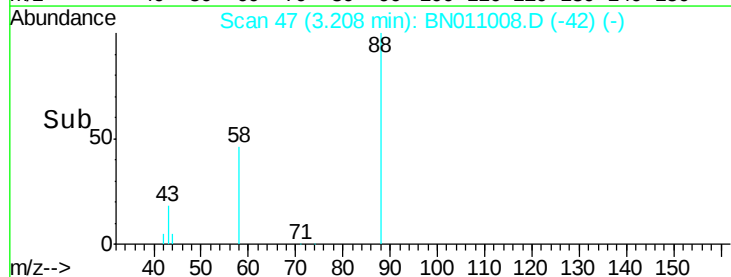
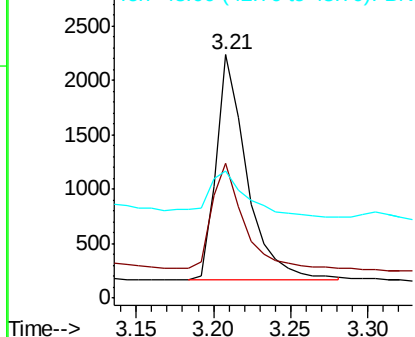
#2

1,4-Dioxane
Concen: 1.264 ng
RT: 3.21 min Scan# 47
Delta R.T. -0.01 min
Lab File: BN011008.D
Acq: 22 Jun 2020 14:28

Tgt Ion: 88 Resp: 2881
Ion Ratio Lower Upper
88 100
58 47.3 38.2 57.4
43 25.2 15.1 22.7#



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: 0.107 ng

RT: 3.53 min Scan# 87

Delta R.T. -0.02 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MSD

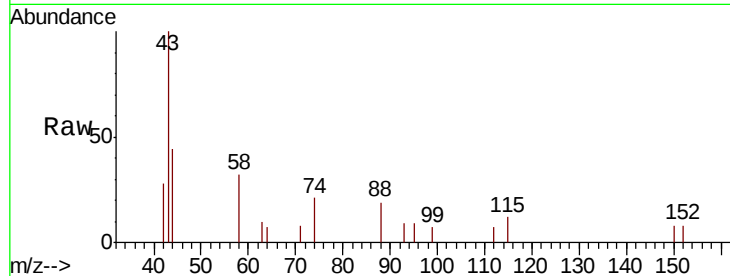
Tot Ion: 42 Resp: 142

Ion Ratio Lower Upper

42 100

74 208.5 140.7 211.1

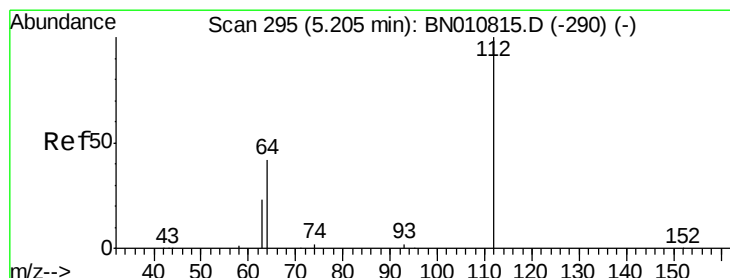
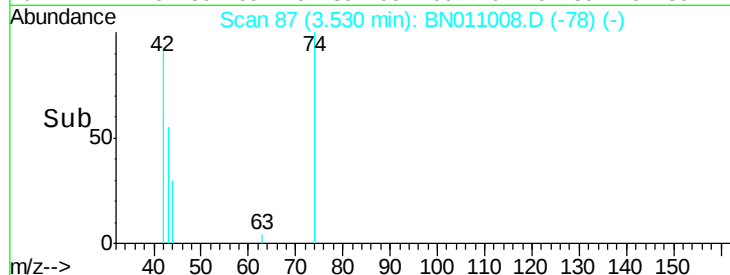
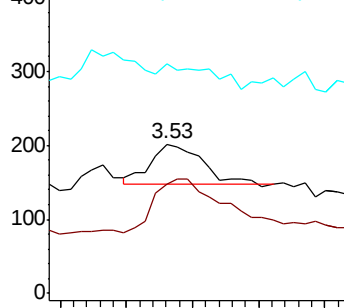
44 0.0 1.4 2.2#



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: 0.131 ng

RT: 5.19 min Scan# 293

Delta R.T. 0.01 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

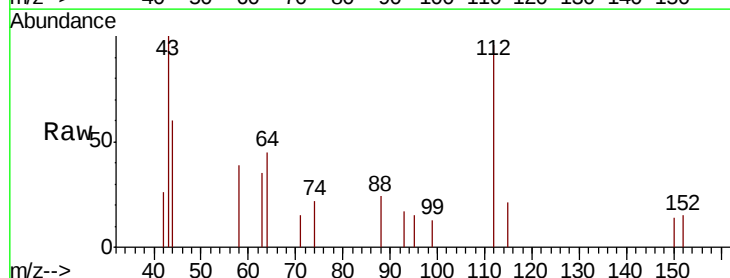
Tgt Ion: 112 Resp: 588

Ion Ratio Lower Upper

112 100

64 45.1 37.4 56.0

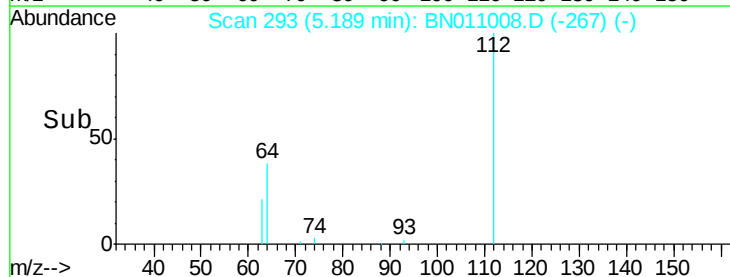
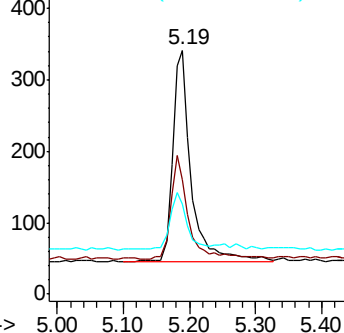
63 23.5 22.2 33.4

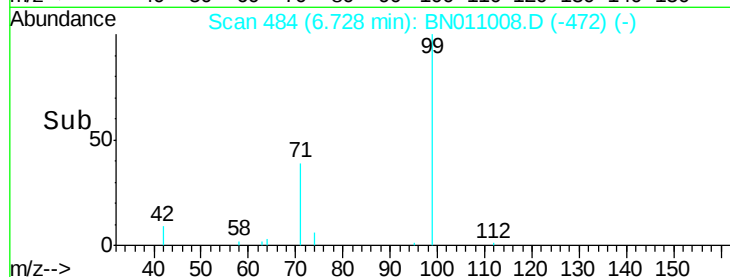
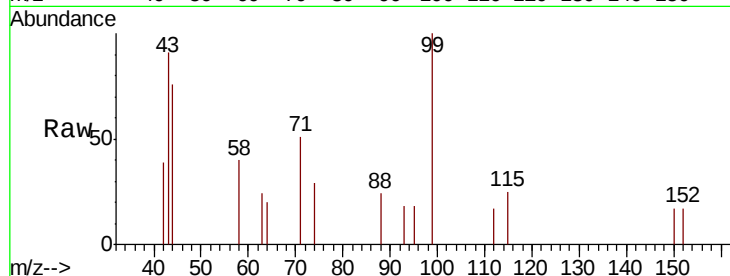
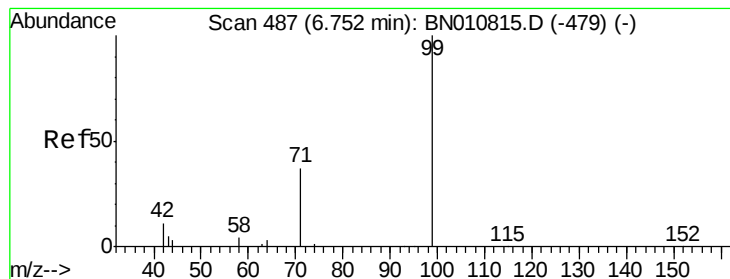


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BN0

Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.088 ng

RT: 6.73 min Scan# 484

Delta R.T. 0.00 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MSD

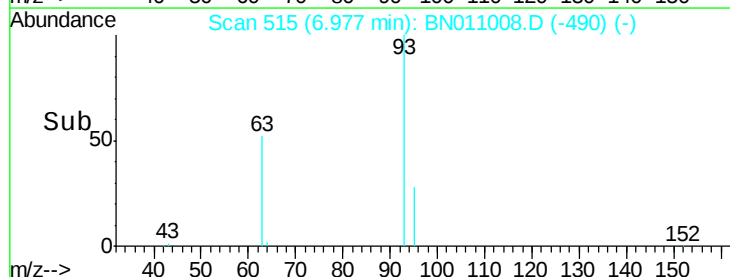
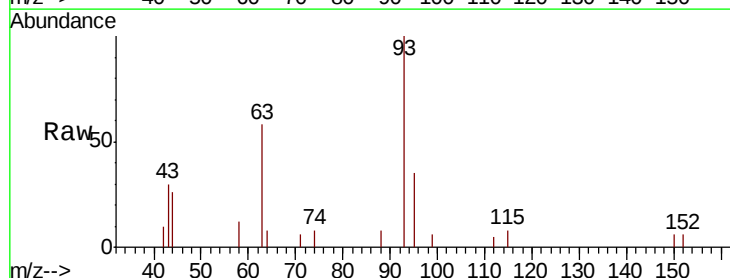
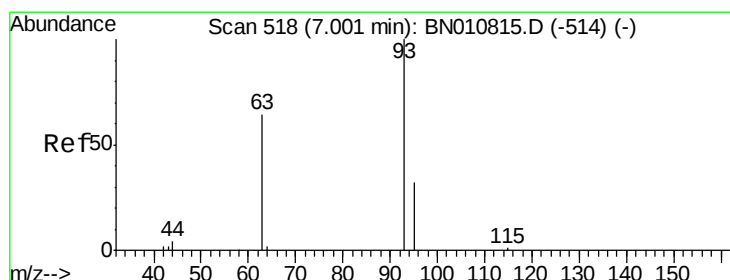
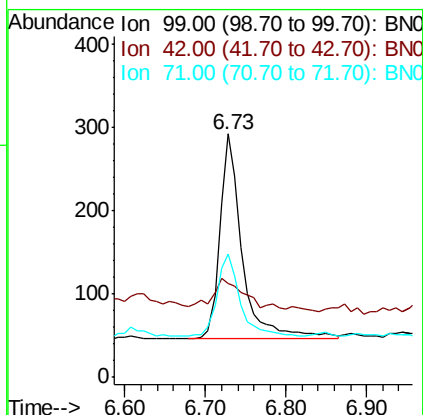
Tot Ion: 99 Resp: 464

Ion Ratio Lower Upper

99 100

42 22.2 11.1 16.7#

71 39.9 31.4 47.2



#6

bis(2-Chloroethyl)ether

Concen: 0.291 ng

RT: 6.98 min Scan# 515

Delta R.T. 0.00 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

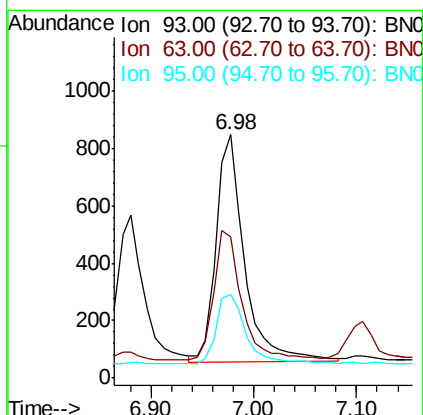
Tgt Ion: 93 Resp: 1503

Ion Ratio Lower Upper

93 100

63 56.9 49.4 74.2

95 32.8 26.7 40.1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.28 min Scan# 836

Delta R.T. 0.00 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MSD

Tot Ion:136 Resp: 6964

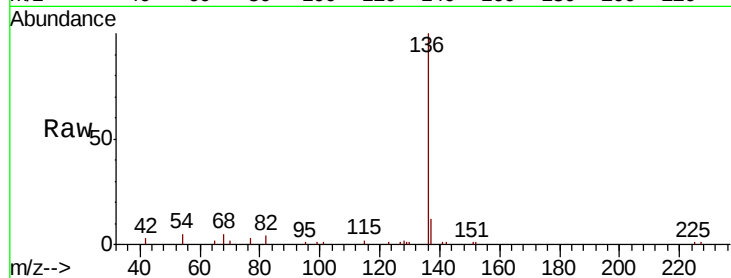
Ion Ratio Lower Upper

136 100

137 12.2 9.7 14.5

54 4.7 4.9 7.3#

68 5.0 4.7 7.1

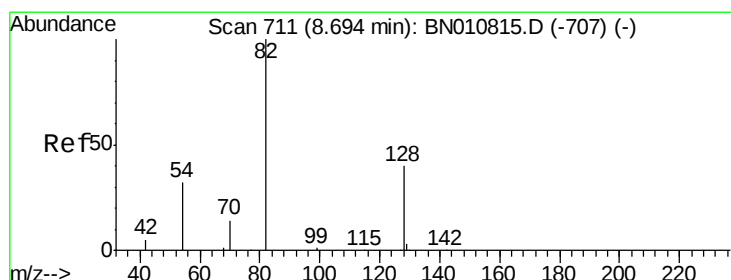
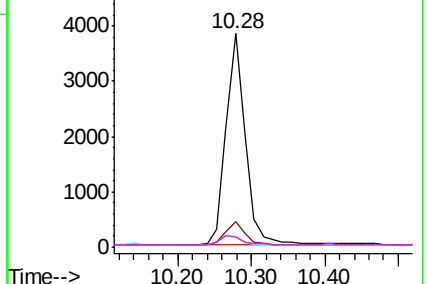
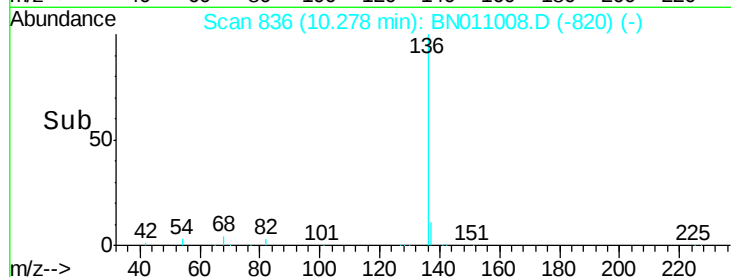


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.398 ng

RT: 8.67 min Scan# 709

Delta R.T. 0.00 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

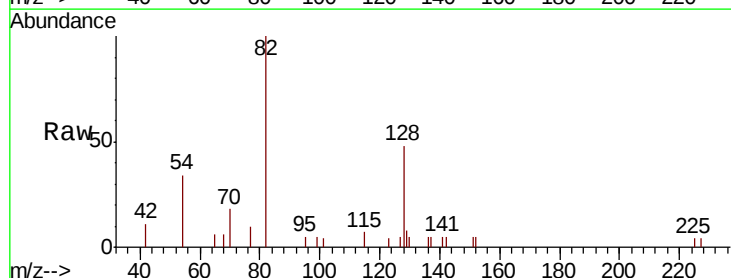
Tgt Ion: 82 Resp: 2050

Ion Ratio Lower Upper

82 100

128 48.1 35.4 53.0

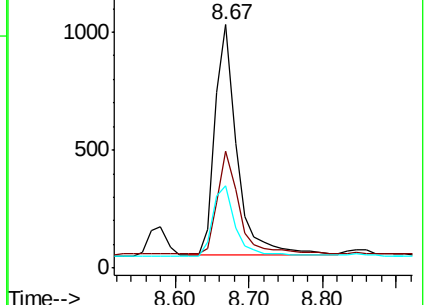
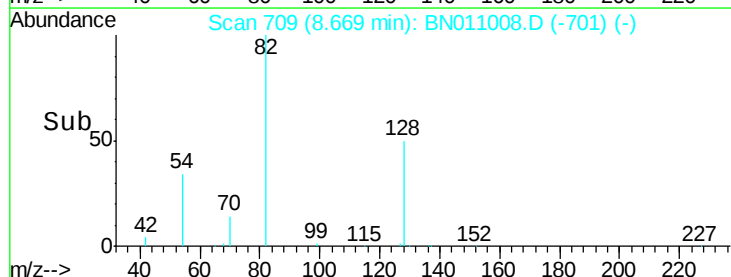
54 33.8 28.2 42.4



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: 0.299 ng

RT: 10.33 min Scan# 840

Delta R.T. 0.00 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

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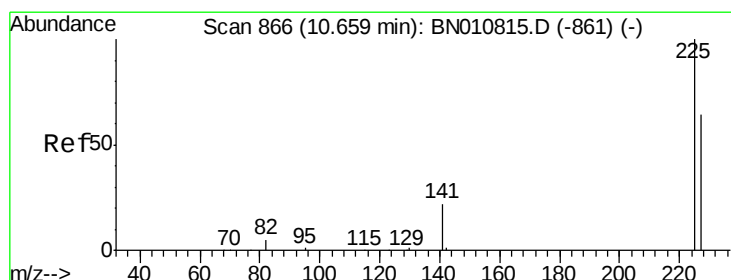
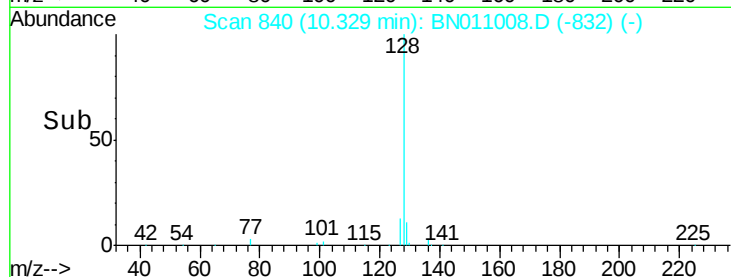
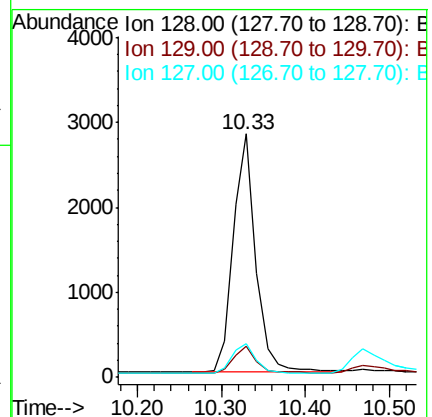
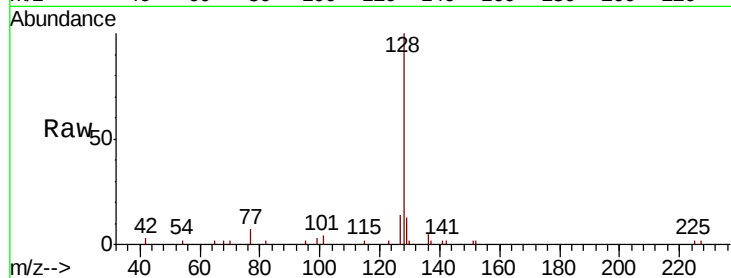
Tot Ion:128 Resp: 5236

Ion Ratio Lower Upper

128 100

129 12.5 9.6 14.4

127 14.0 11.4 17.2



#10

Hexachlorobutadiene

Concen: 0.270 ng

RT: 10.62 min Scan# 863

Delta R.T. 0.00 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

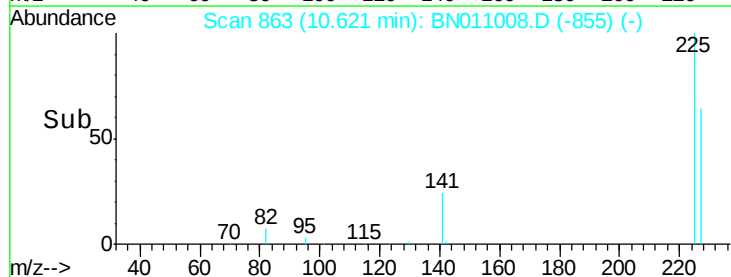
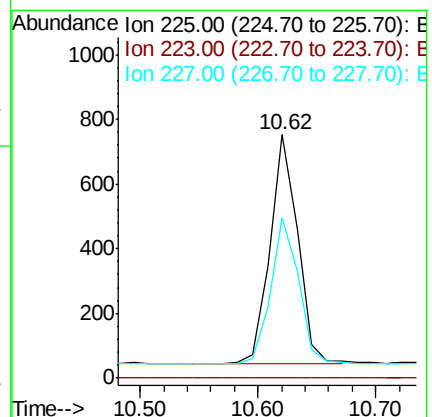
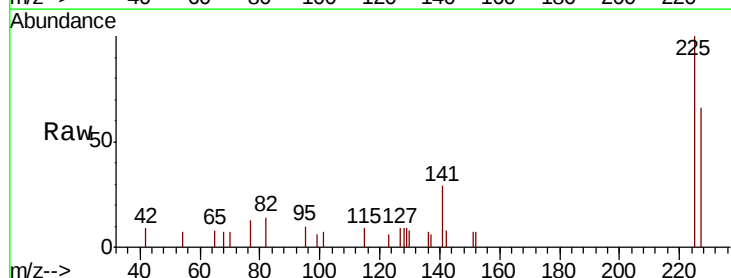
Tgt Ion:225 Resp: 1167

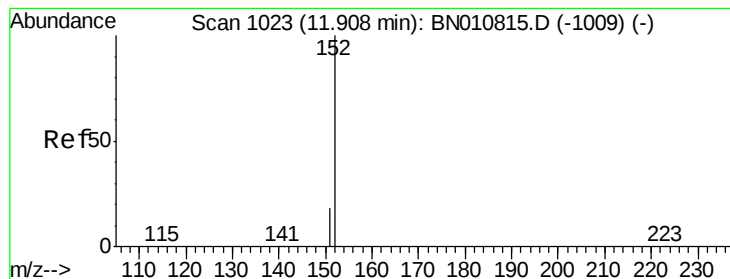
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 63.5 50.5 75.7





#11

2-Methylnaphthalene-d10

Concen: 0.318 ng

RT: 11.88 min Scan# 1016

Delta R.T. 0.00 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

Instrument :

BNA_N

ClientSampleId :

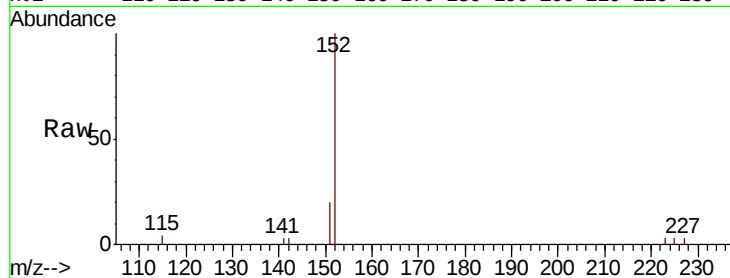
RE139D2-20200616MSD

Tot Ion:152 Resp: 3430

Ion Ratio Lower Upper

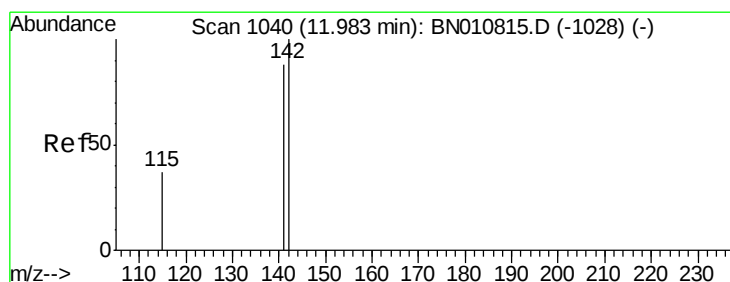
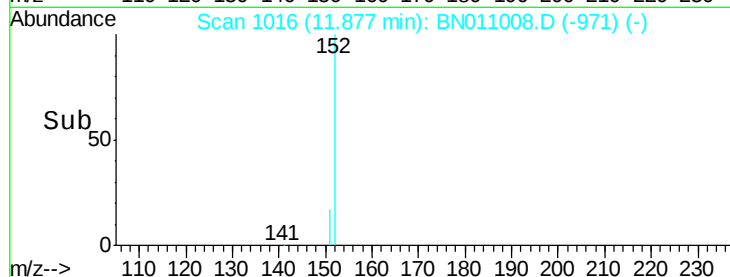
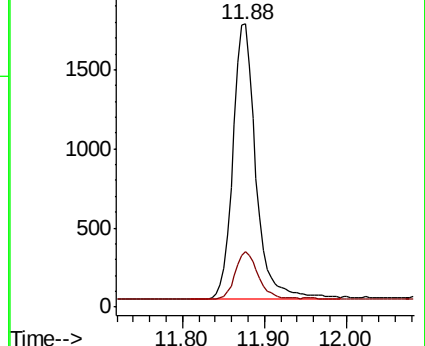
152 100

151 18.2 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.297 ng

RT: 11.95 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

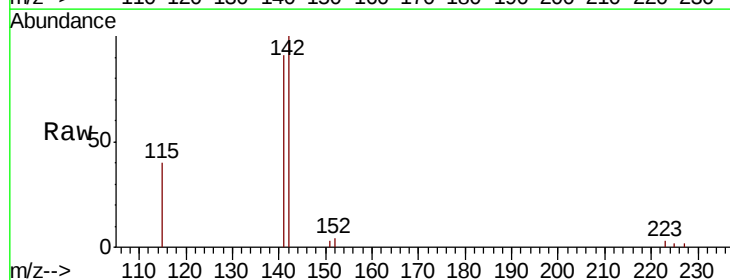
Tgt Ion:142 Resp: 3474

Ion Ratio Lower Upper

142 100

141 90.9 70.8 106.2

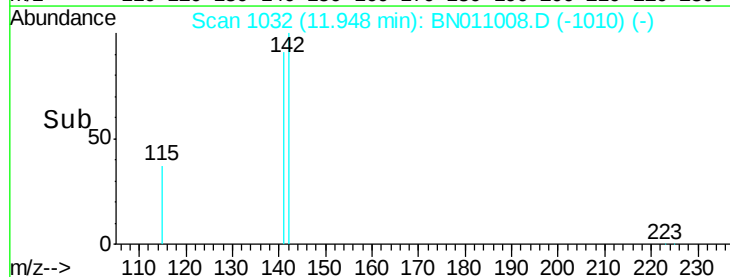
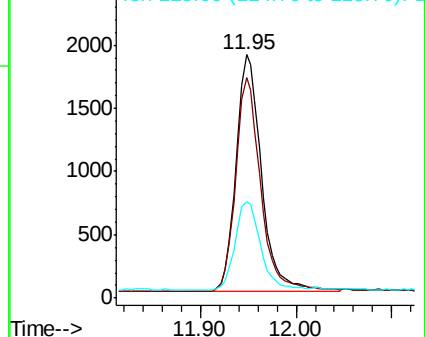
115 39.7 31.5 47.3



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: 14.15 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

Instrument :

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ClientSampleId :

RE139D2-20200616MSD

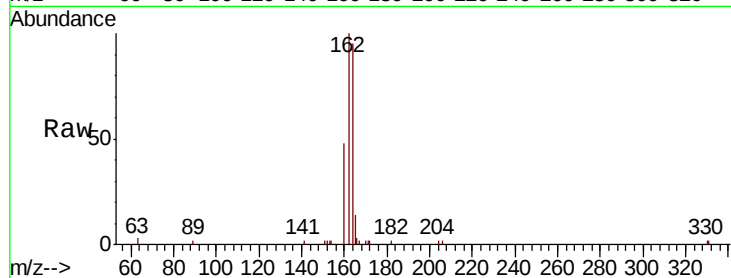
Tot Ion:164 Resp: 4003

Ion Ratio Lower Upper

164 100

162 105.3 81.0 121.6

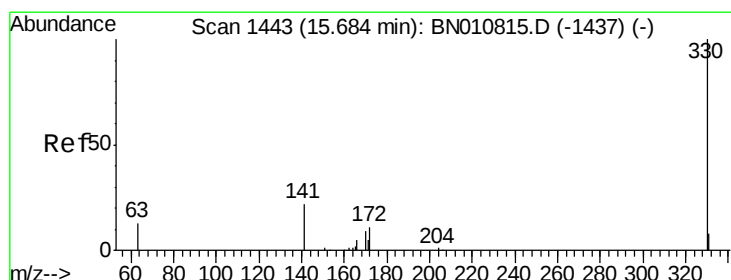
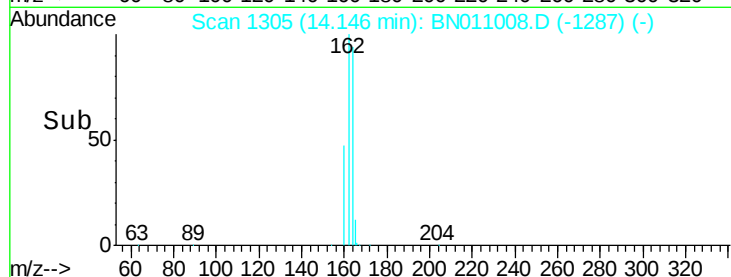
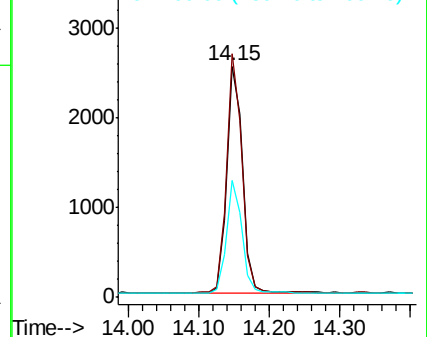
160 50.4 38.9 58.3



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: 0.222 ng

RT: 15.66 min Scan# 1441

Delta R.T. 0.00 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

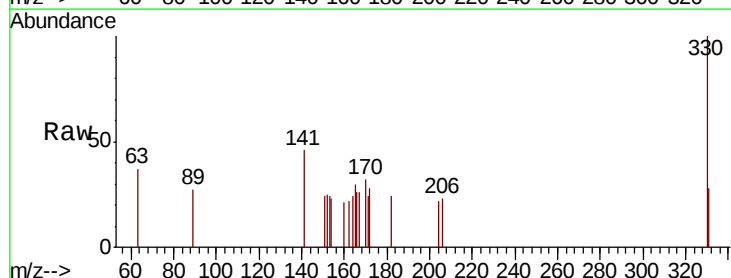
Tgt Ion:330 Resp: 318

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

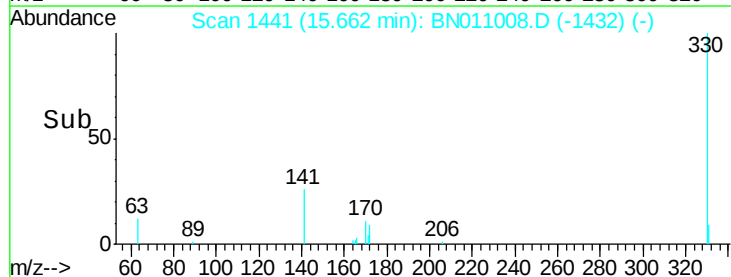
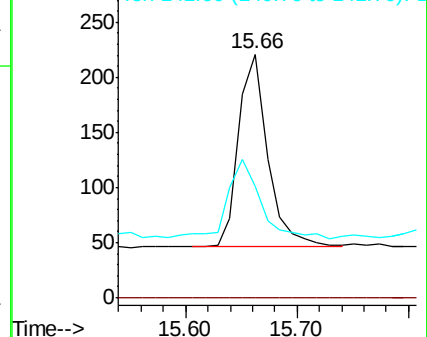
141 45.3 33.2 49.8



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

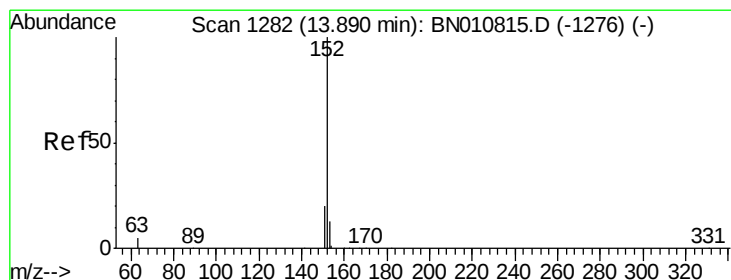
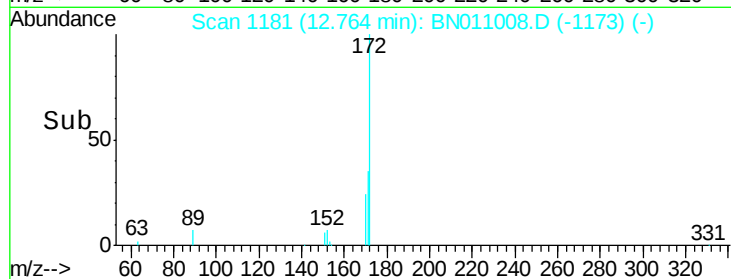
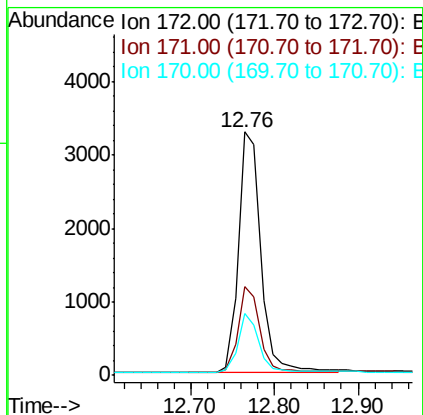
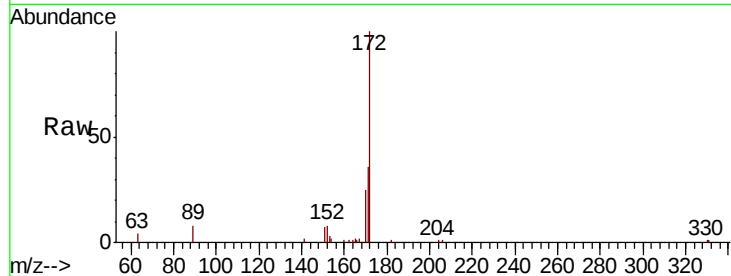




#15
2-Fluorobiphenyl
Concen: 0.383 ng
RT: 12.76 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BN011008.D
Acq: 22 Jun 2020 14:28

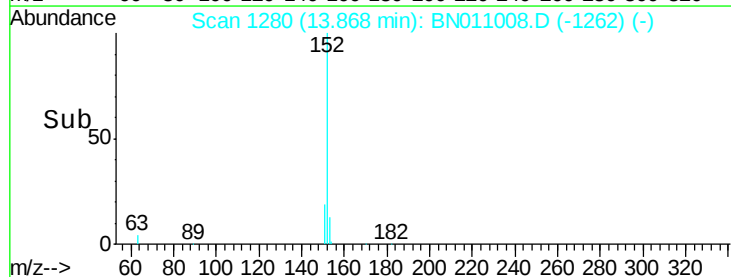
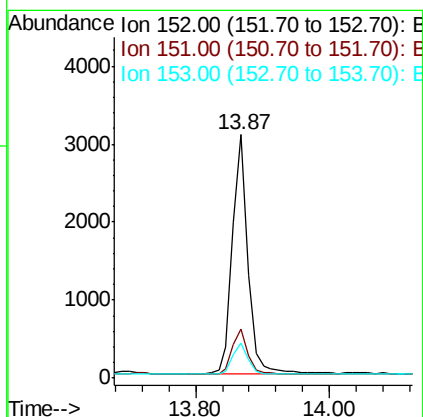
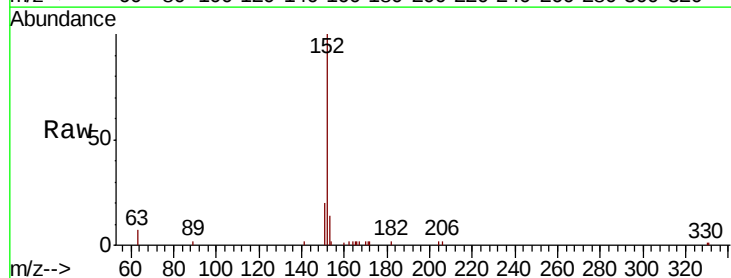
Instrument :
BNA_N
ClientSampleId :
RE139D2-20200616MSD

Tot Ion:172 Resp: 6044
Ion Ratio Lower Upper
172 100
171 36.5 28.5 42.7
170 25.2 19.7 29.5



#16
Acenaphthylene
Concen: 0.298 ng
RT: 13.87 min Scan# 1280
Delta R.T. 0.00 min
Lab File: BN011008.D
Acq: 22 Jun 2020 14:28

Tgt Ion:152 Resp: 4893
Ion Ratio Lower Upper
152 100
151 19.4 15.6 23.4
153 12.9 10.6 16.0





#17

Acenaphthene

Concen: 0.294 ng

RT: 14.21 min Scan# 1311

Delta R.T. 0.00 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MSD

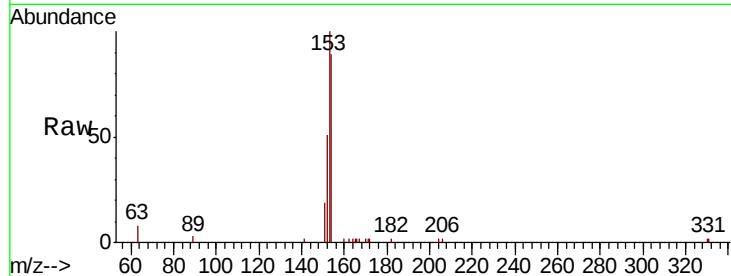
Tot Ion:154 Resp: 3282

Ion Ratio Lower Upper

154 100

153 113.6 91.8 137.6

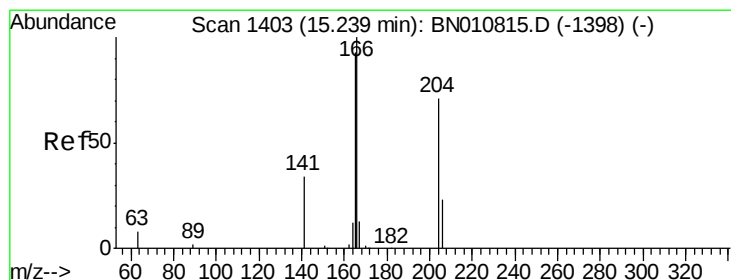
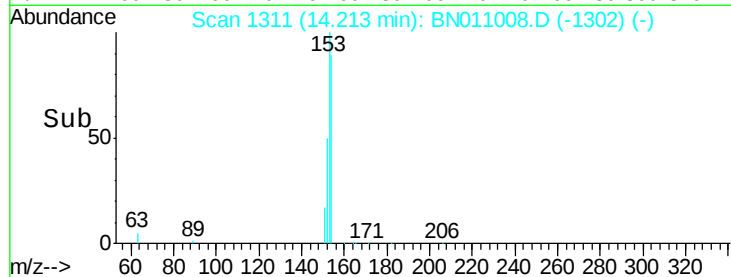
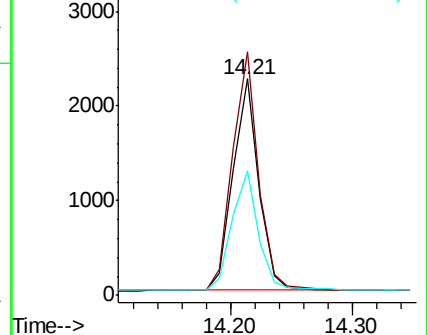
152 57.8 47.6 71.4



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: 0.278 ng

RT: 15.21 min Scan# 1400

Delta R.T. 0.00 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

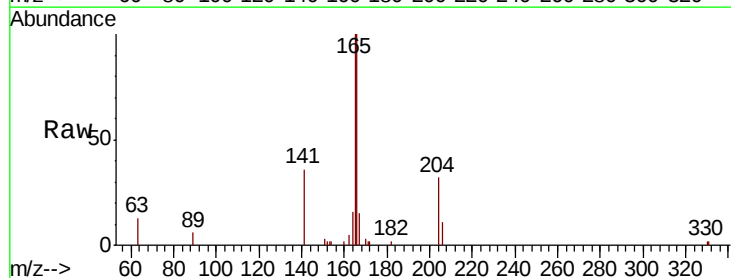
Tgt Ion:166 Resp: 4005

Ion Ratio Lower Upper

166 100

165 98.9 77.2 115.8

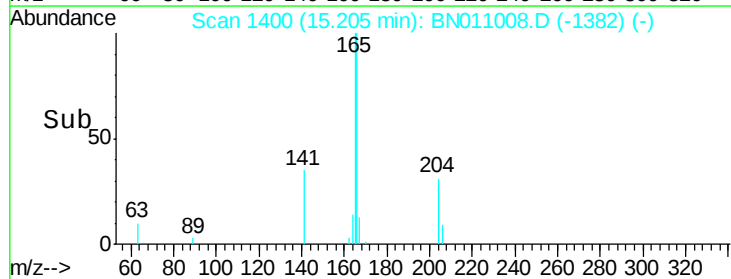
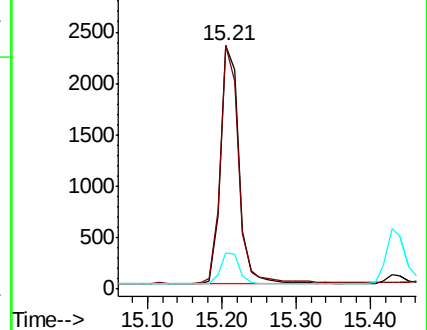
167 13.9 10.7 16.1

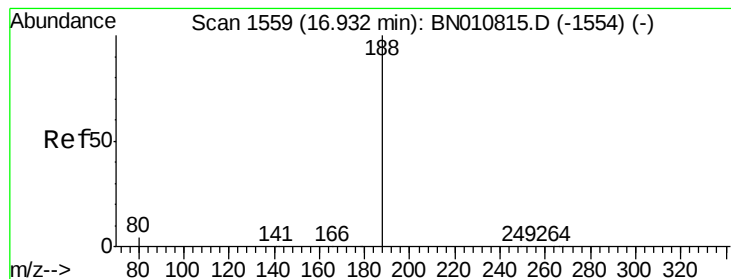


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.90 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MSD

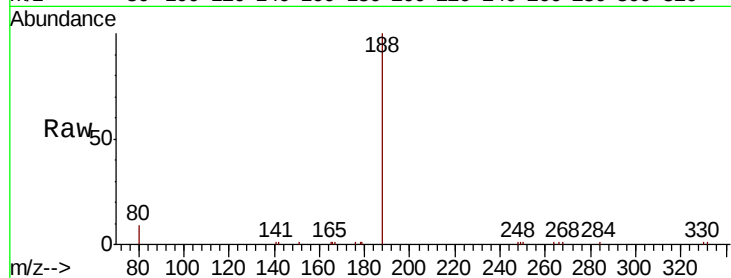
Tot Ion:188 Resp: 7370

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

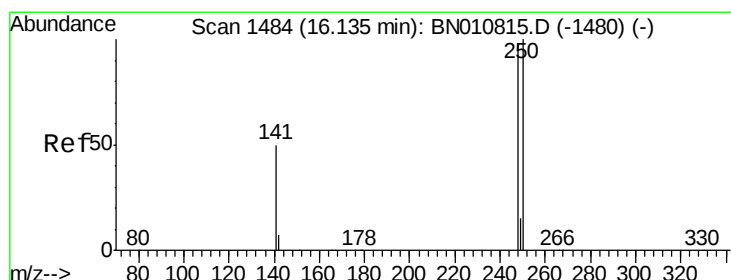
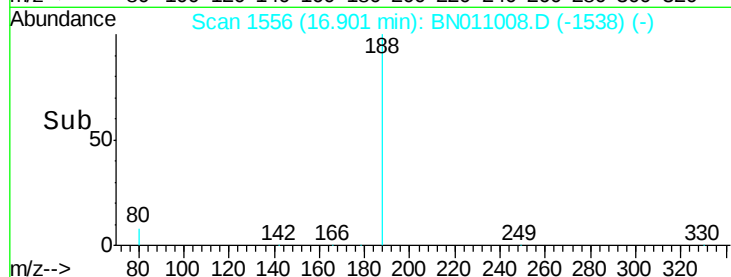
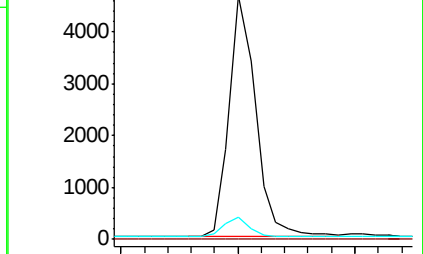
80 8.9 4.5 6.7#



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: 0.310 ng

RT: 16.10 min Scan# 1481

Delta R.T. -0.01 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

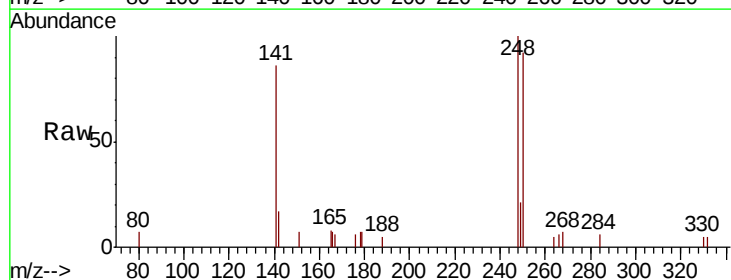
Tgt Ion:248 Resp: 1373

Ion Ratio Lower Upper

248 100

250 92.0 81.8 122.8

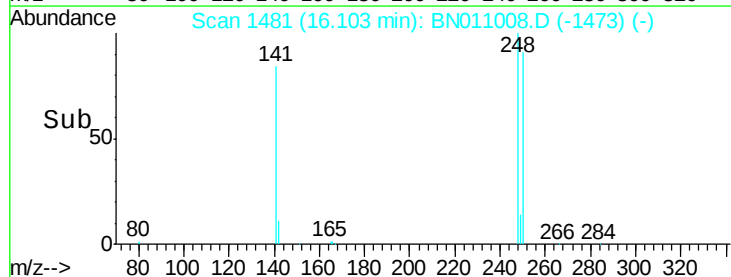
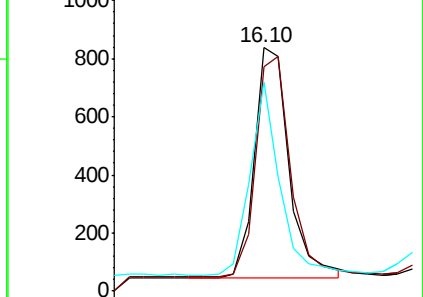
141 85.9 42.6 64.0#

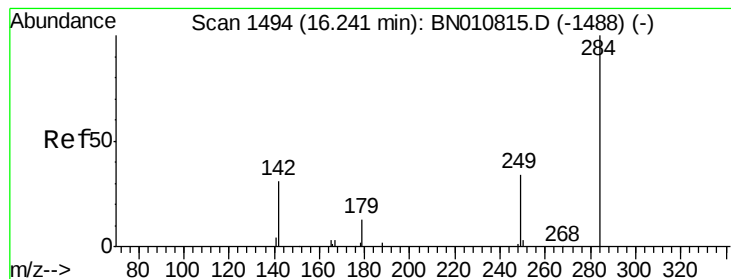


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.326 ng

RT: 16.22 min Scan# 1492

Delta R.T. 0.00 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MSD

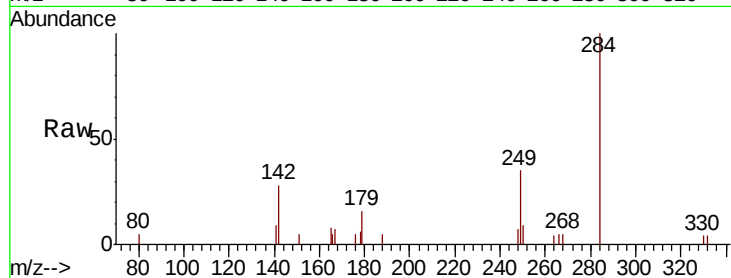
Tot Ion:284 Resp: 1505

Ion Ratio Lower Upper

284 100

142 40.4 31.0 46.4

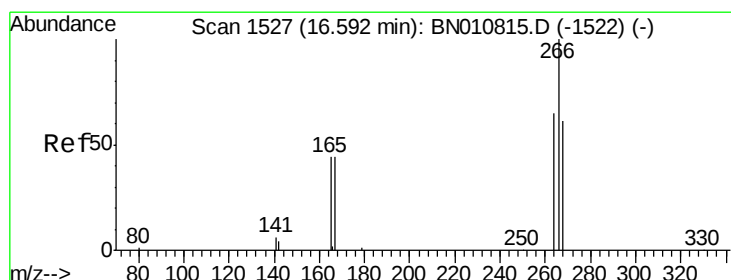
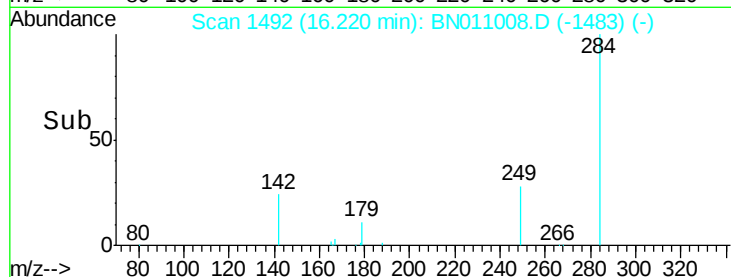
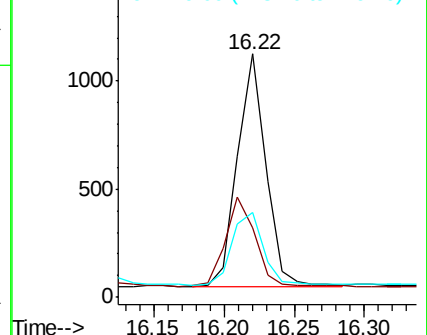
249 34.6 27.1 40.7



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: 0.261 ng

RT: 16.57 min Scan# 1525

Delta R.T. 0.00 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

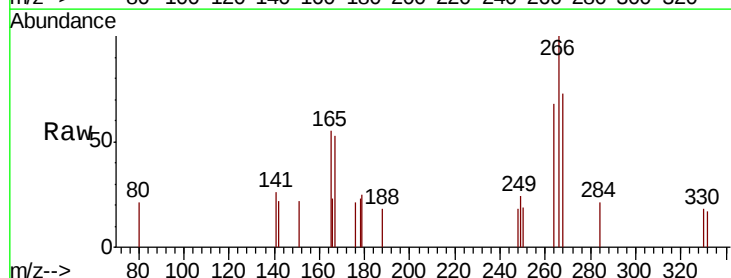
Tgt Ion:266 Resp: 405

Ion Ratio Lower Upper

266 100

264 67.8 54.8 82.2

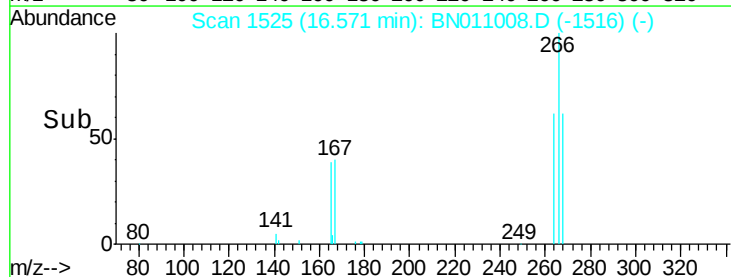
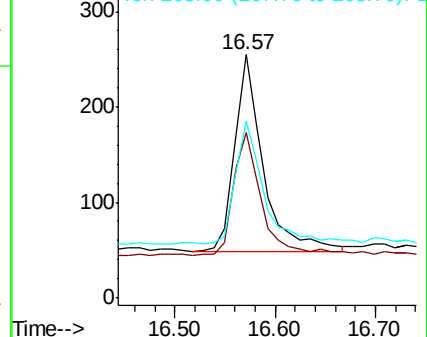
268 72.5 55.9 83.9



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: 0.354 ng

RT: 16.94 min Scan# 1560

Delta R.T. 0.00 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MSD

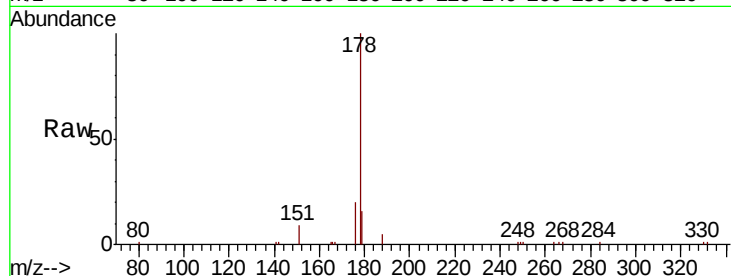
Tot Ion:178 Resp: 7129

Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

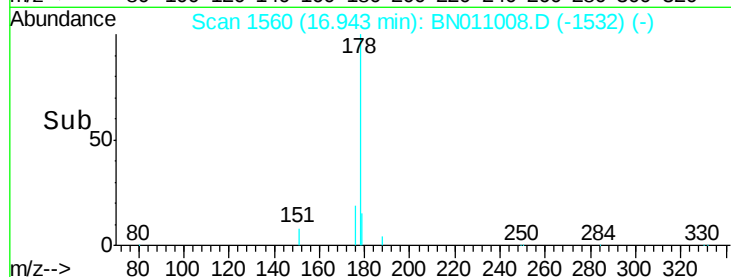
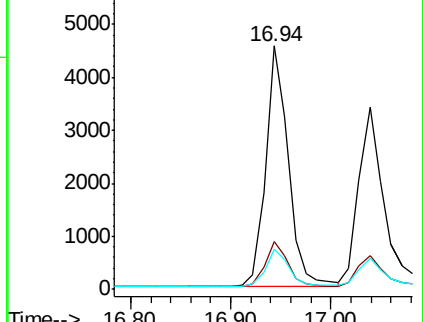
179 15.3 12.6 19.0



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: 0.349 ng

RT: 17.04 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

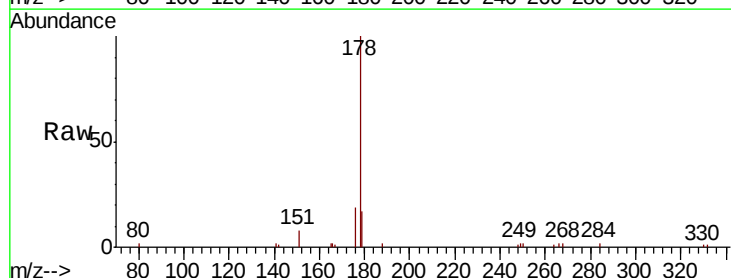
Tgt Ion:178 Resp: 5866

Ion Ratio Lower Upper

178 100

176 17.6 14.6 22.0

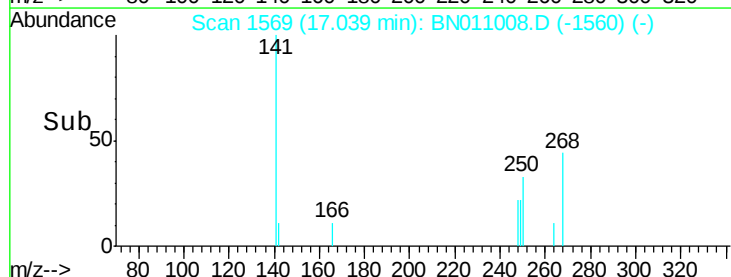
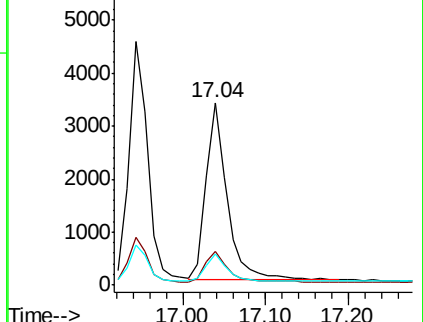
179 15.3 12.3 18.5

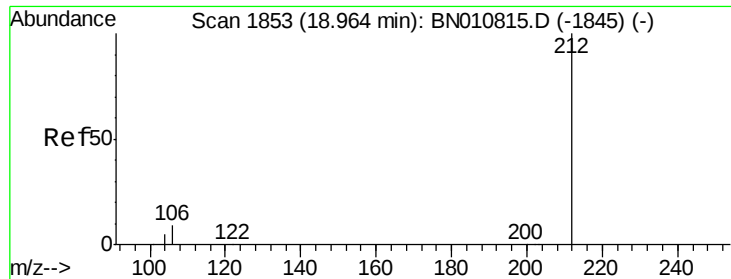


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.372 ng

RT: 18.94 min Scan# 1849

Delta R.T. 0.00 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MSD

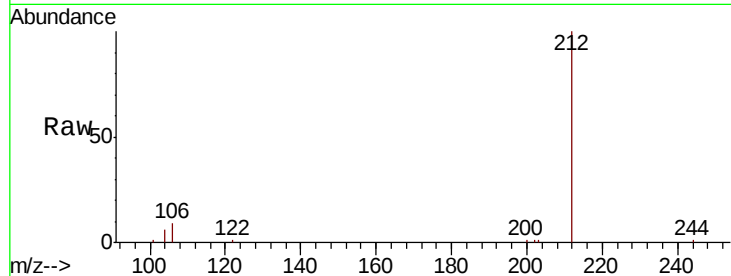
Tot Ion:212 Resp: 7575

Ion Ratio Lower Upper

212 100

106 8.9 6.6 10.0

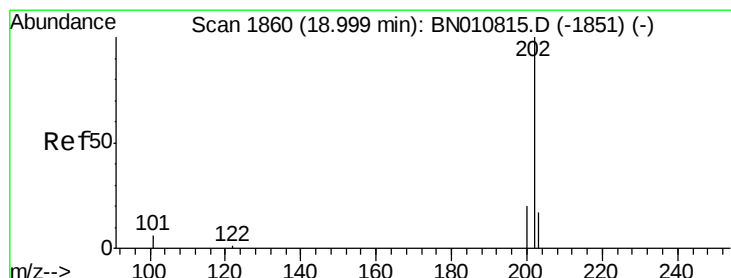
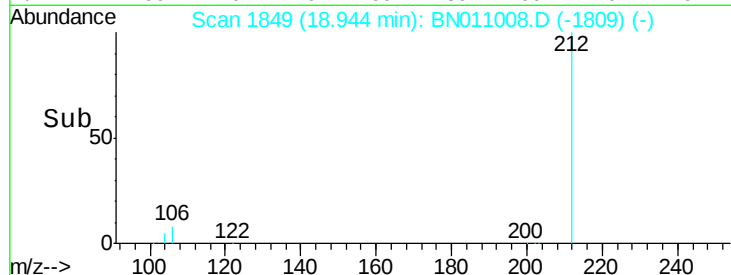
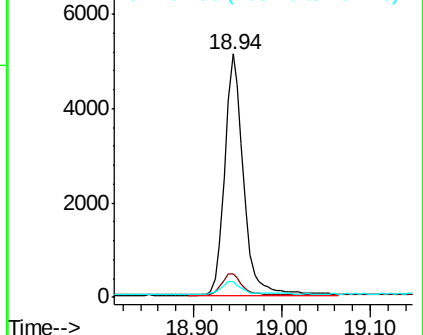
104 5.2 4.0 6.0



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: 0.374 ng

RT: 18.97 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

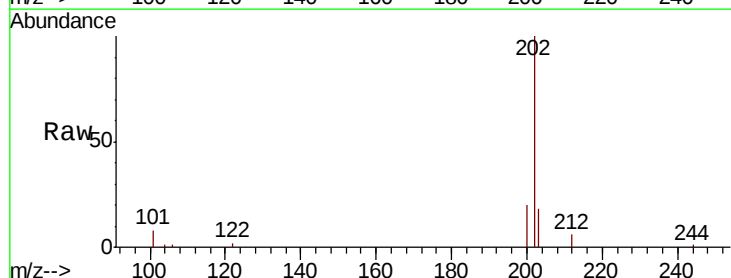
Tgt Ion:202 Resp: 8541

Ion Ratio Lower Upper

202 100

101 7.7 5.8 8.6

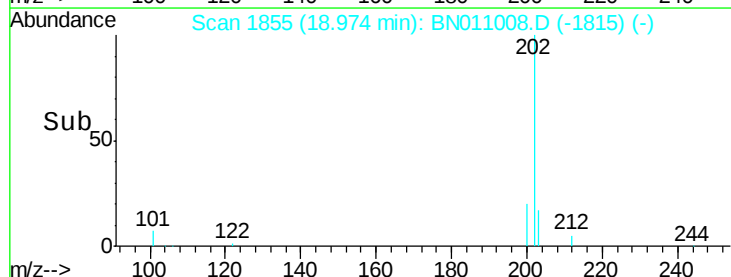
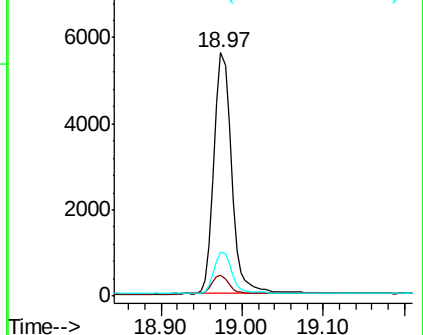
203 17.1 13.7 20.5



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: 21.12 min Scan# 2168

Delta R.T. 0.00 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MSD

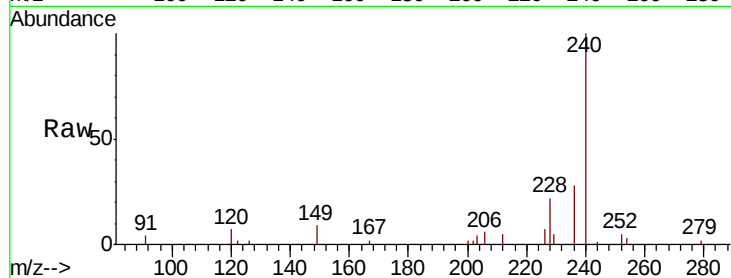
Tot Ion:240 Resp: 7575

Ion Ratio Lower Upper

240 100

120 6.9 7.5 11.3#

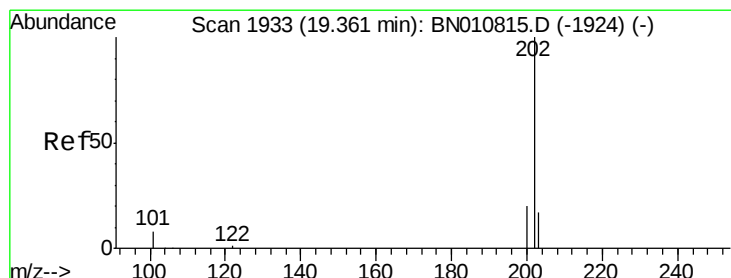
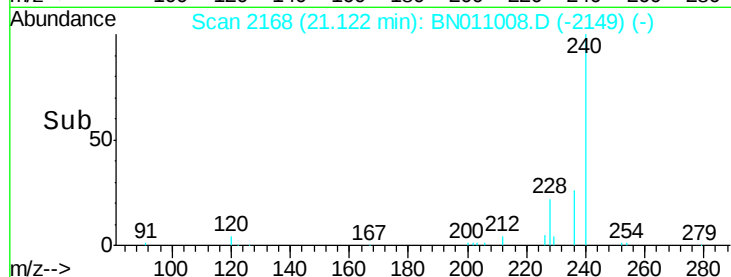
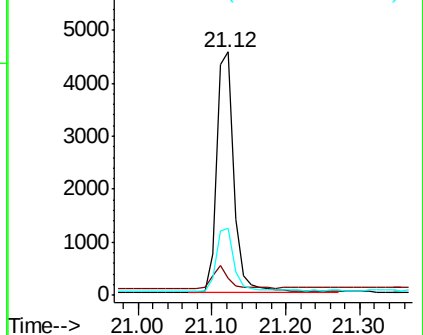
236 27.8 22.3 33.5



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.342 ng

RT: 19.34 min Scan# 1929

Delta R.T. 0.00 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

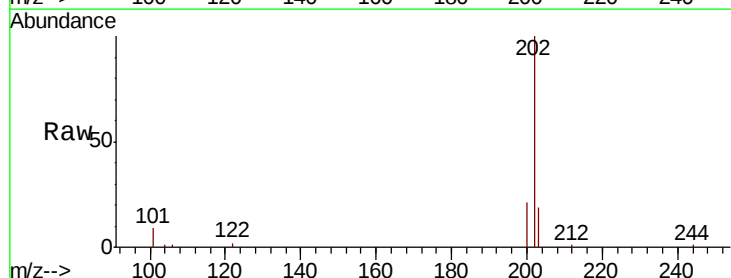
Tgt Ion:202 Resp: 8571

Ion Ratio Lower Upper

202 100

200 20.5 16.4 24.6

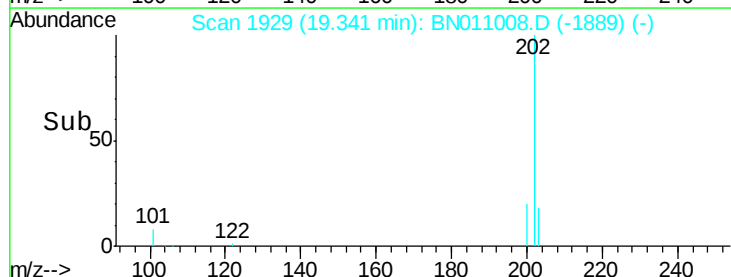
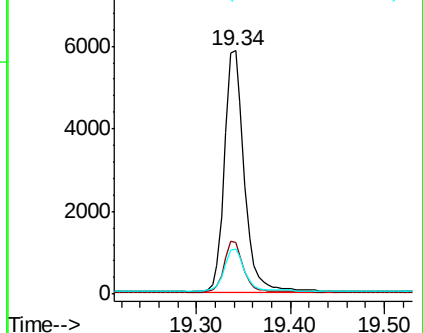
203 18.1 14.2 21.4

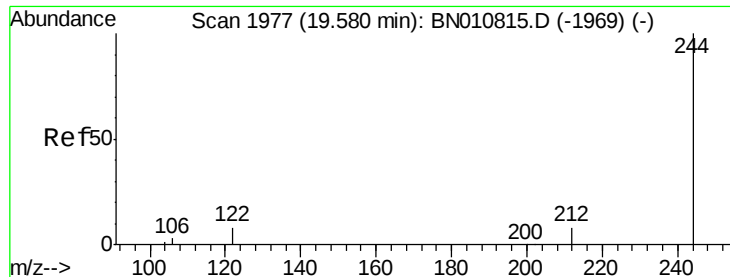


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.498 ng

RT: 19.56 min Scan# 1973

Delta R.T. -0.00 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MSD

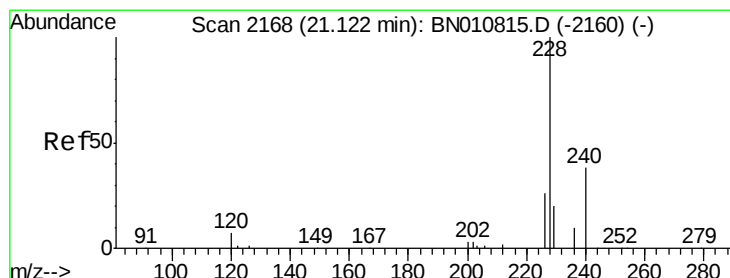
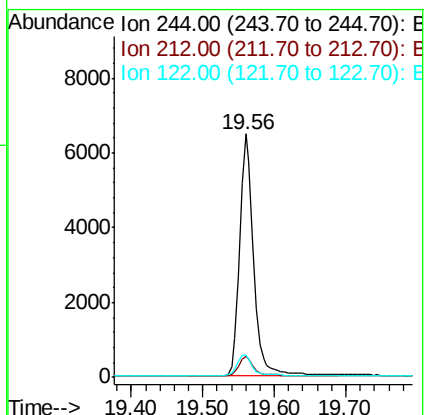
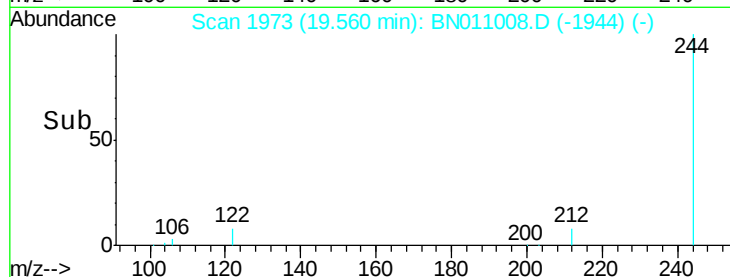
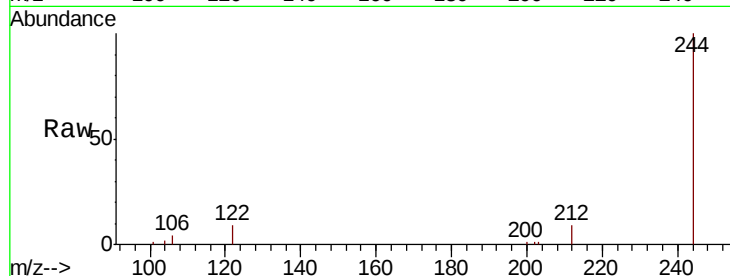
Tot Ion:244 Resp: 8823

Ion Ratio Lower Upper

244 100

212 8.6 7.4 11.2

122 9.2 7.5 11.3



#30

Benzo(a)anthracene

Concen: 0.371 ng

RT: 21.10 min Scan# 2166

Delta R.T. 0.00 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

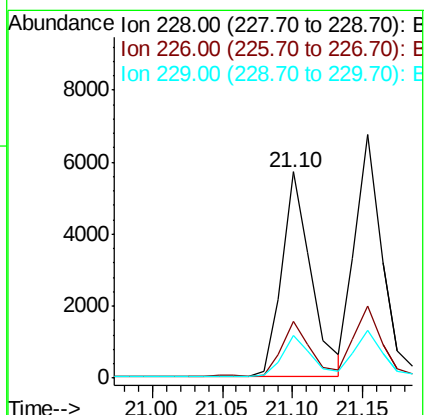
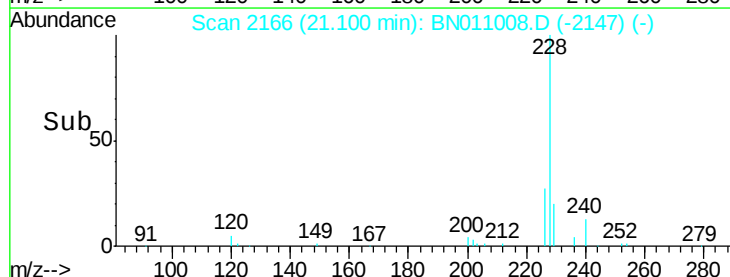
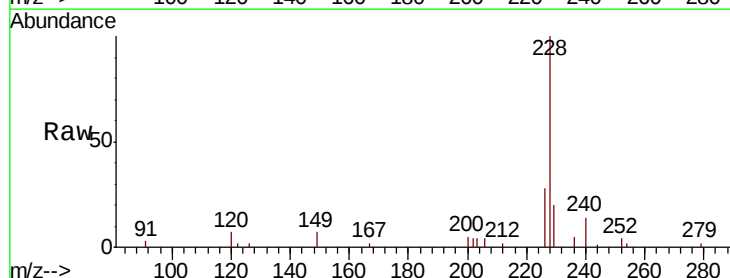
Tgt Ion:228 Resp: 8271

Ion Ratio Lower Upper

228 100

226 27.6 21.3 31.9

229 20.5 16.6 24.8





#31

Chrysene

Concen: 0.348 ng

RT: 21.15 min Scan# 2171

Delta R.T. 0.00 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MSD

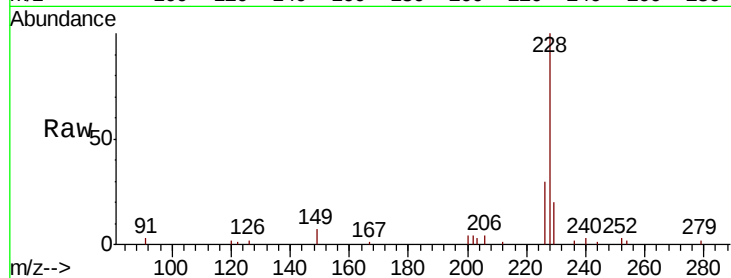
Tot Ion:228 Resp: 9027

Ion Ratio Lower Upper

228 100

226 29.7 25.0 37.6

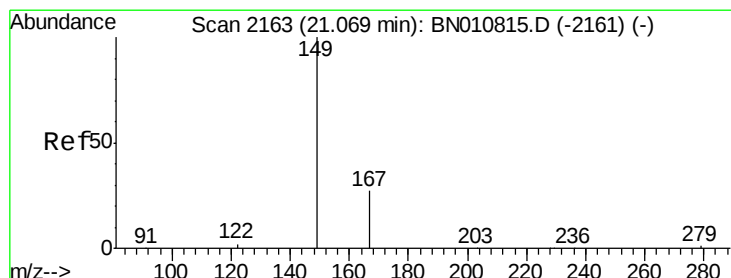
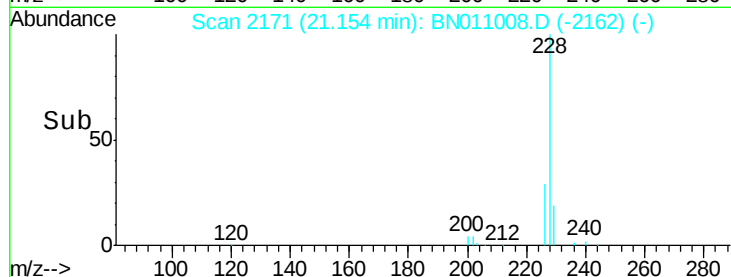
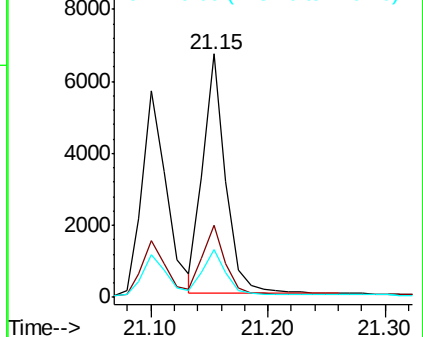
229 19.8 16.1 24.1



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: 0.578 ng

RT: 21.06 min Scan# 2162

Delta R.T. 0.00 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

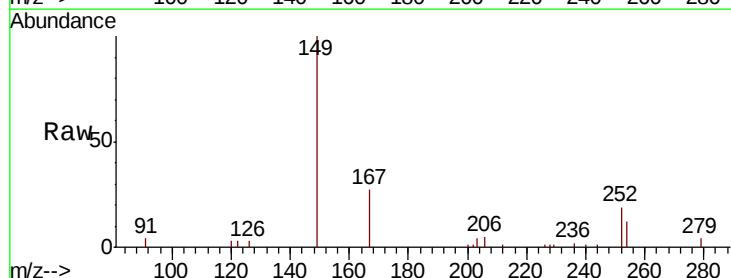
Tgt Ion:149 Resp: 4292

Ion Ratio Lower Upper

149 100

167 27.1 24.1 36.1

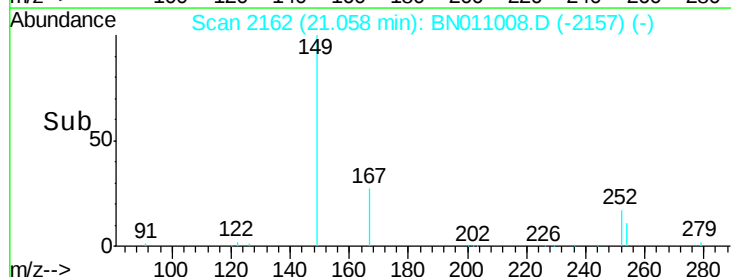
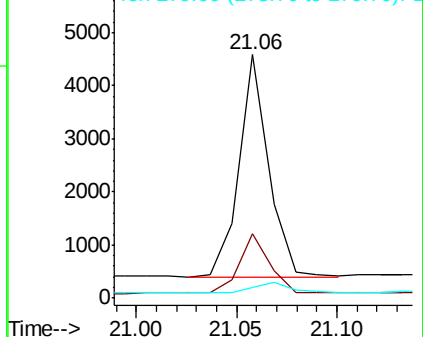
279 4.9 4.6 7.0

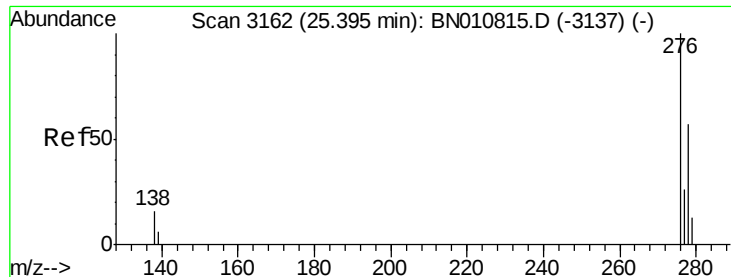


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.395 ng

RT: 25.36 min Scan# 3152

Delta R.T. -0.00 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MSD

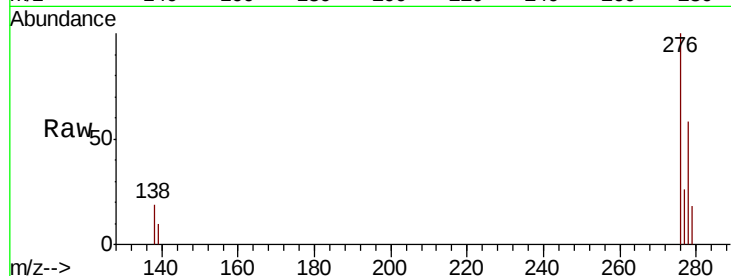
Tot Ion:276 Resp: 11456

Ion Ratio Lower Upper

276 100

138 18.8 13.0 19.6

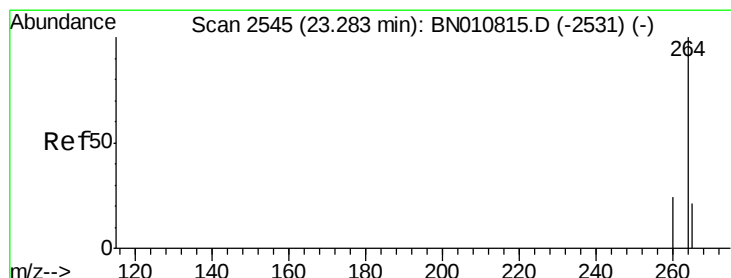
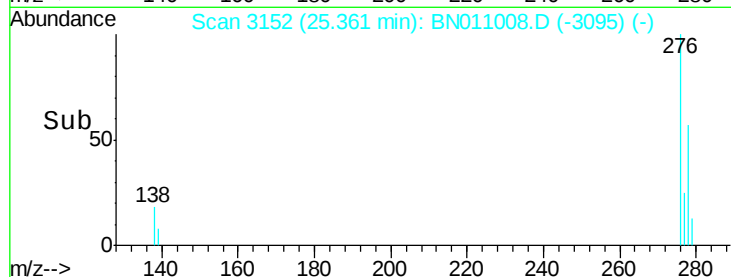
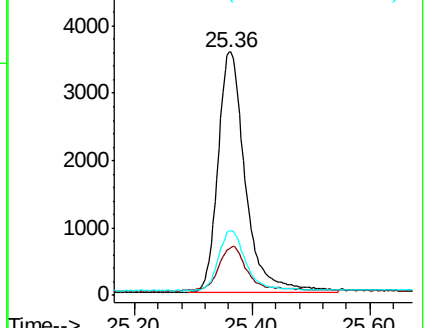
277 24.9 19.7 29.5



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: 23.26 min Scan# 2538

Delta R.T. -0.00 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

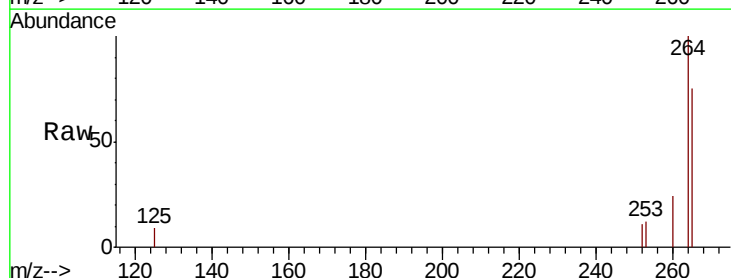
Tgt Ion:264 Resp: 8382

Ion Ratio Lower Upper

264 100

260 24.4 20.4 30.6

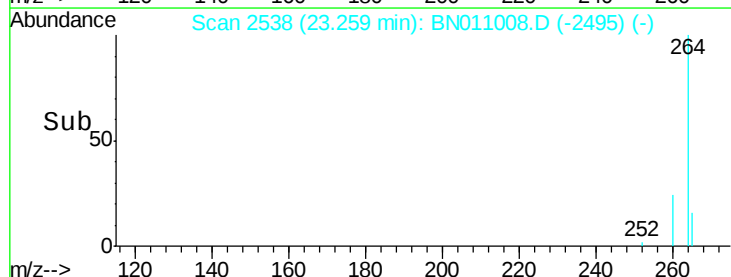
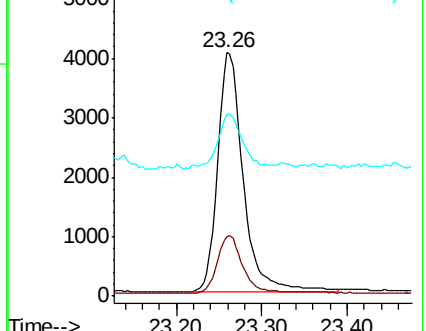
265 74.6 75.0 112.4#



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

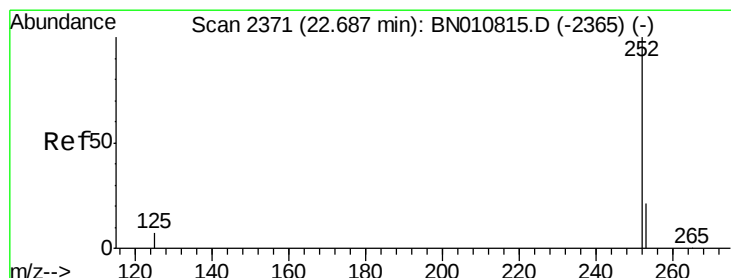
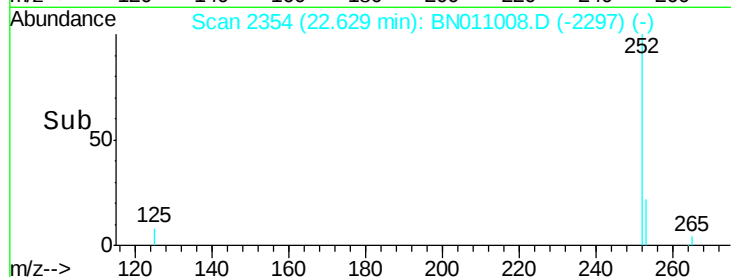
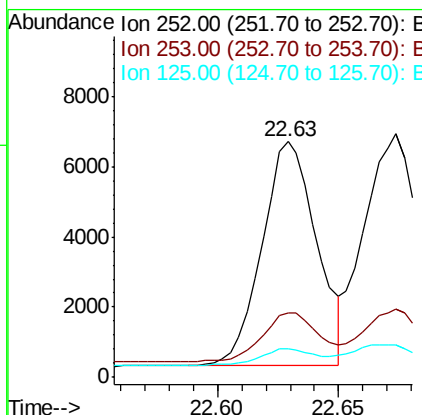
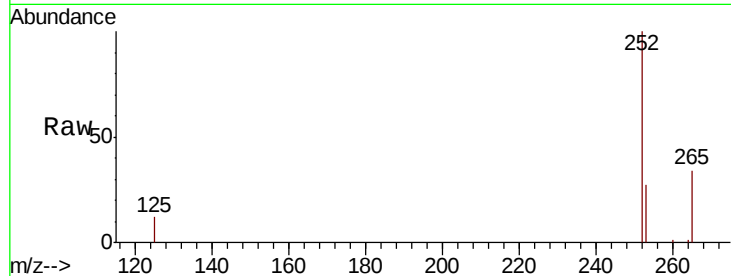




#35
Benzo(b)fluoranthene
Concen: 0.353 ng
RT: 22.63 min Scan# 2354
Delta R.T. -0.00 min
Lab File: BN011008.D
Acq: 22 Jun 2020 14:28

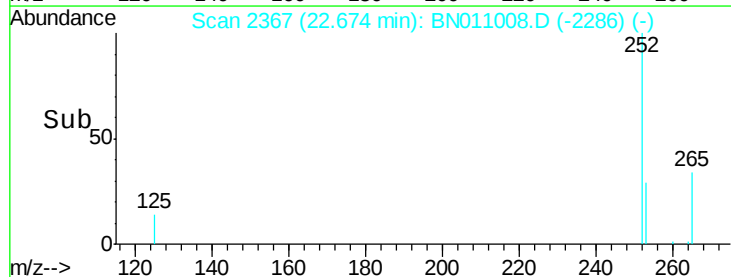
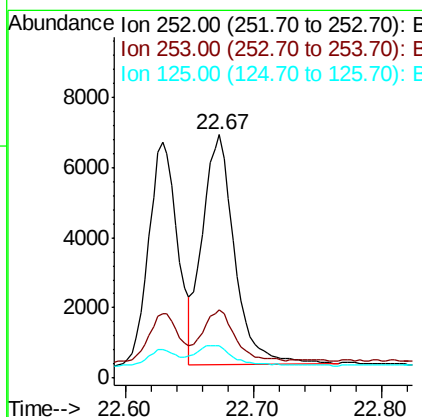
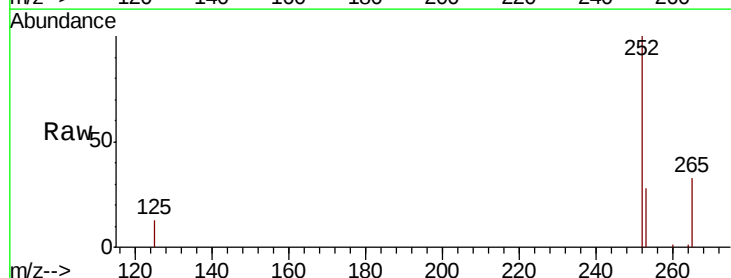
Instrument :
BNA_N
ClientSampleId :
RE139D2-20200616MSD

Tot Ion:252 Resp: 10048
Ion Ratio Lower Upper
252 100
253 27.4 22.4 33.6
125 12.0 9.4 14.0



#36
Benzo(k)fluoranthene
Concen: 0.377 ng
RT: 22.67 min Scan# 2367
Delta R.T. 0.00 min
Lab File: BN011008.D
Acq: 22 Jun 2020 14:28

Tgt Ion:252 Resp: 11446
Ion Ratio Lower Upper
252 100
253 27.9 22.2 33.4
125 13.4 9.8 14.8





#37

Benzo(a)pyrene

Concen: 0.322 ng

RT: 23.17 min Scan# 2512

Delta R.T. 0.00 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MSD

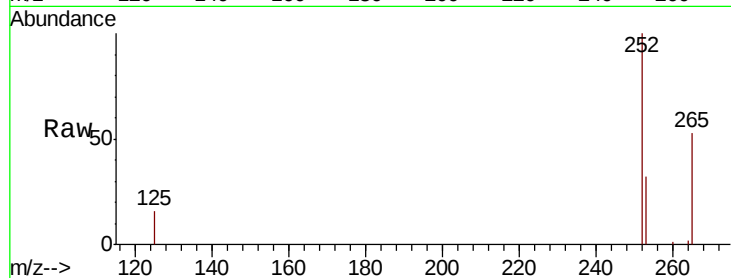
Tot Ion:252 Resp: 7881

Ion Ratio Lower Upper

252 100

253 32.2 25.8 38.8

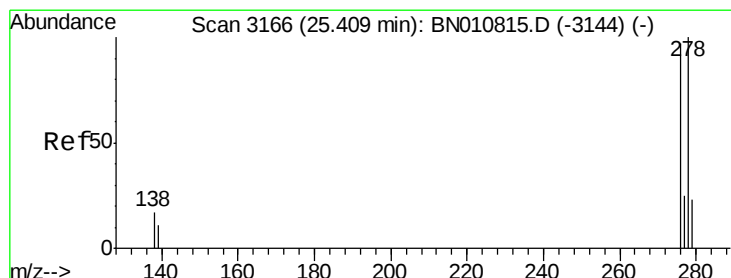
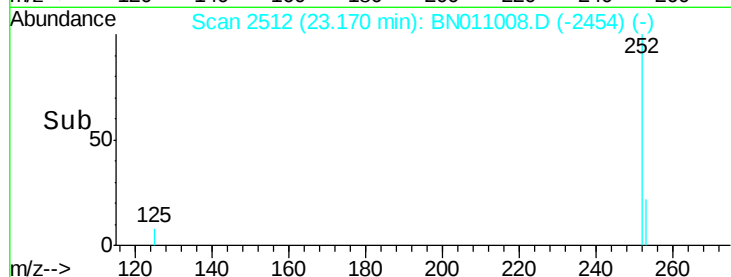
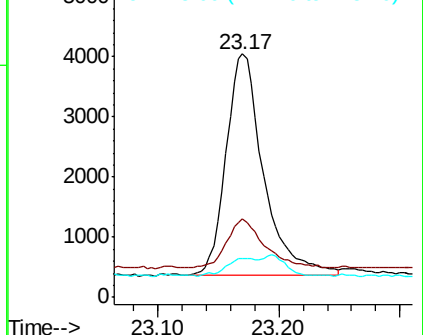
125 16.1 12.4 18.6



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: 0.338 ng

RT: 25.38 min Scan# 3157

Delta R.T. -0.01 min

Lab File: BN011008.D

Acq: 22 Jun 2020 14:28

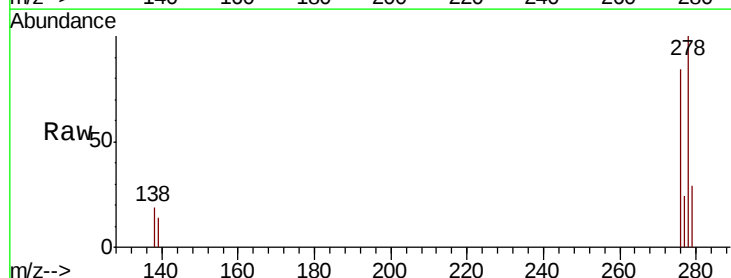
Tgt Ion:278 Resp: 9424

Ion Ratio Lower Upper

278 100

139 14.0 10.6 15.8

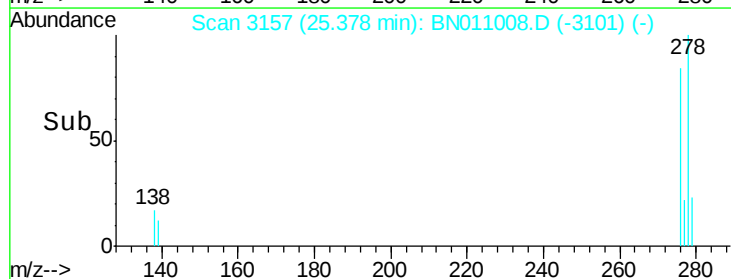
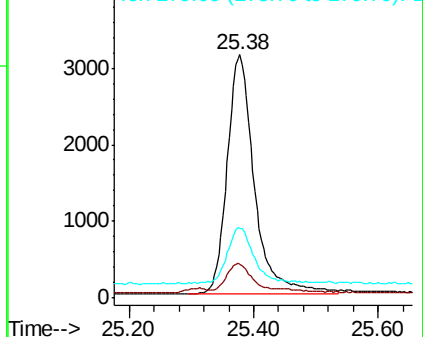
279 28.8 23.6 35.4



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: 0.347 ng

RT: 26.00 min Scan# 3338

Delta R.T. 0.00 min

Lab File: BN011008.D

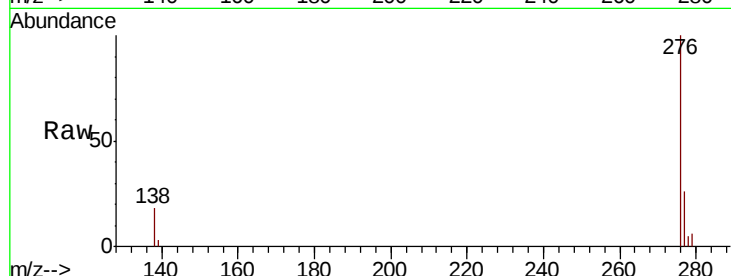
Acq: 22 Jun 2020 14:28

Instrument :

BNA_N

ClientSampleId :

RE139D2-20200616MSD



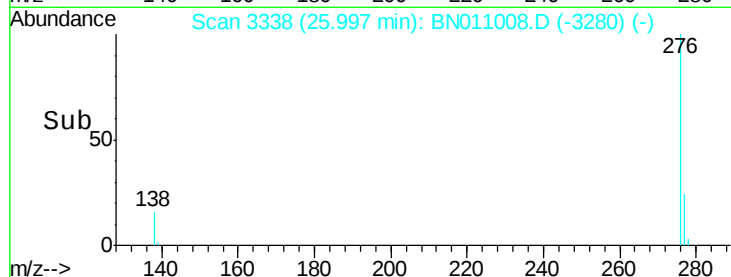
Tot Ion:276 Resp: 10102

Ion Ratio Lower Upper

276 100

277 25.5 20.5 30.7

138 18.1 13.7 20.5



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

