

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061020\
 Data File : BN010829.D
 Acq On : 10 Jun 2020 22:15
 Operator : CG/JU
 Sample : L2904-02MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 VE-4-11MS

Quant Time: Jun 11 00:46:07 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 10 15:14:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	3185	0.40	ng	0.00
7) Naphthalene-d8	10.30	136	11737	0.40	ng	0.00
13) Acenaphthene-d10	14.18	164	7557	0.40	ng	0.00
19) Phenanthrene-d10	16.92	188	14162	0.40	ng	-0.01
27) Chrysene-d12	21.13	240	13221	0.40	ng	0.00
34) Perylene-d12	23.28	264	14442	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	1183	0.19	ng	0.00
5) Phenol-d6	6.75	99	908	0.13	ng	0.00
8) Nitrobenzene-d5	8.68	82	3531	0.41	ng	-0.01
11) 2-Methylnaphthalene-d10	11.90	152	6735	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.67	330	1333	0.49	ng	-0.01
15) 2-Fluorobiphenyl	12.80	172	10412	0.35	ng	0.00
25) Fluoranthene-d10	18.96	212	15653	0.40	ng	0.00
29) Terphenyl-d14	19.58	244	13403	0.43	ng	0.00

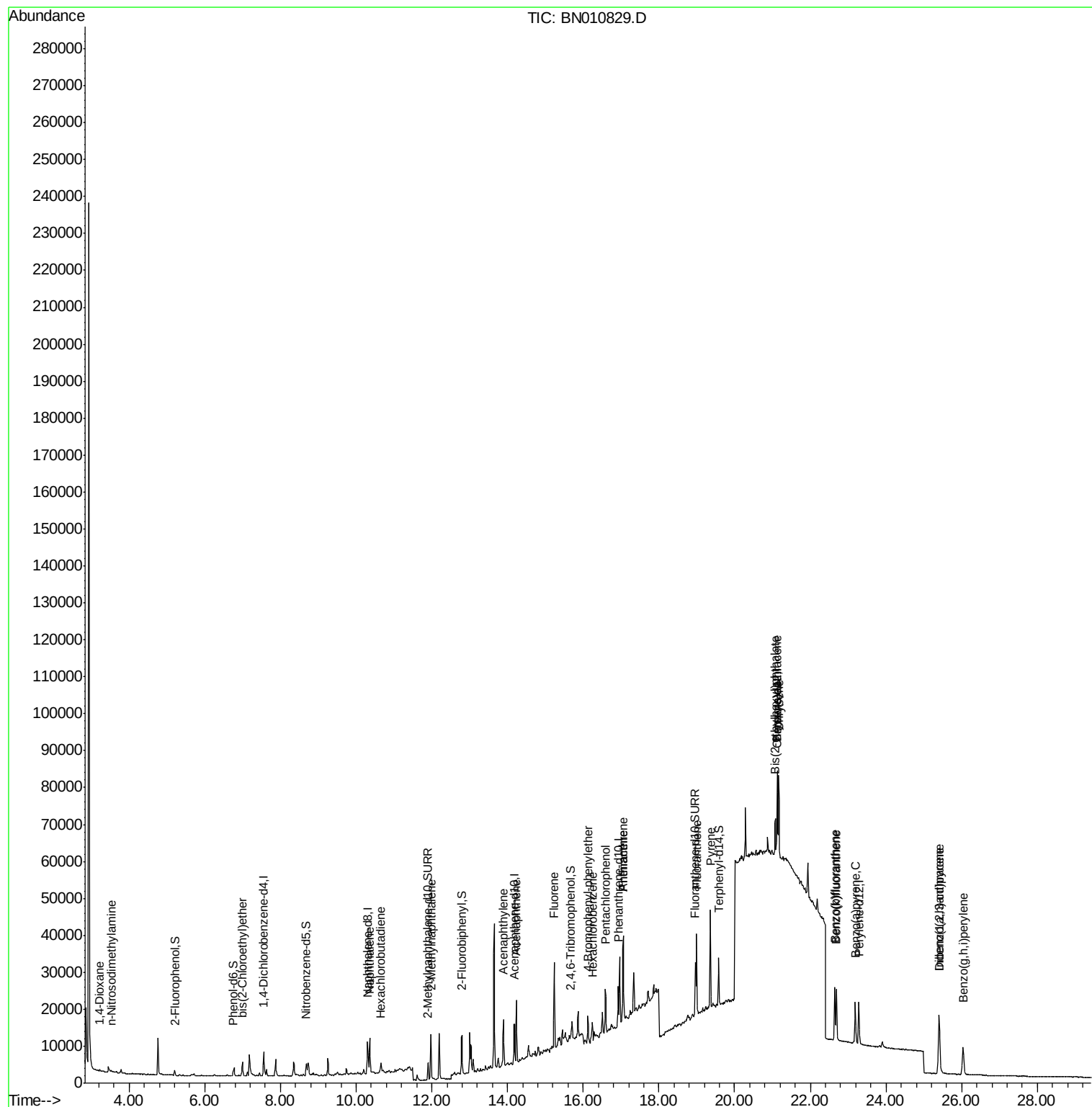
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.23	88	325	0.104	ng	# 48
3) n-Nitrosodimethylamine	3.53	42	246	0.136	ng	# 95
6) bis(2-Chloroethyl)ether	6.99	93	3094	0.438	ng	96
9) Naphthalene	10.35	128	12259	0.416	ng	99
10) Hexachlorobutadiene	10.65	225	2516	0.345	ng	# 99
12) 2-Methylnaphthalene	11.97	142	9000	0.456	ng	97
16) Acenaphthylene	13.89	152	13867	0.448	ng	# 78
17) Acenaphthene	14.24	154	8270	0.392	ng	98
18) Fluorene	15.23	166	10996	0.404	ng	98
20) 4-Bromophenyl-phenylether	16.12	248	3326	0.391	ng	# 69
21) Hexachlorobenzene	16.24	284	3333	0.375	ng	# 91
22) Pentachlorophenol	16.58	266	5381	1.806	ng	93
23) Phenanthrene	17.06	178	25535	0.660	ng	98
24) Anthracene	17.06	178	25102	0.777	ng	96
26) Fluoranthene	18.99	202	19428	0.442	ng	# 98
28) Pyrene	19.36	202	24183	0.553	ng	97
30) Benzo(a)anthracene	21.11	228	17672	0.455	ng	# 75
31) Chrysene	21.16	228	17878	0.395	ng	# 81
32) Bis(2-ethylhexyl)phthalate	21.08	149	8950	0.691	ng	99
33) Indeno(1,2,3-cd)pyrene	25.40	276	17335	0.343	ng	# 95
35) Benzo(b)fluoranthene	22.65	252	16887	0.344	ng	# 80
36) Benzo(k)fluoranthene	22.69	252	16866	0.322	ng	# 80
37) Benzo(a)pyrene	23.19	252	15198	0.361	ng	# 86
38) Dibenzo(a,h)anthracene	25.41	278	14290	0.297	ng	# 87
39) Benzo(g,h,i)perylene	26.04	276	15038	0.300	ng	# 90

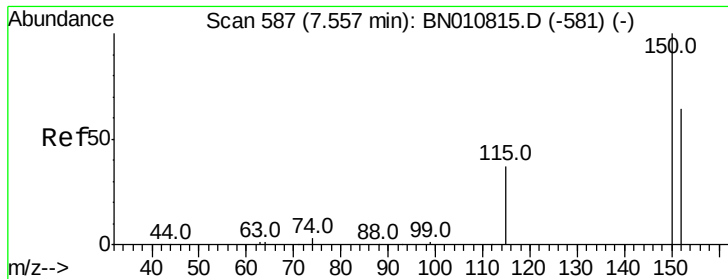
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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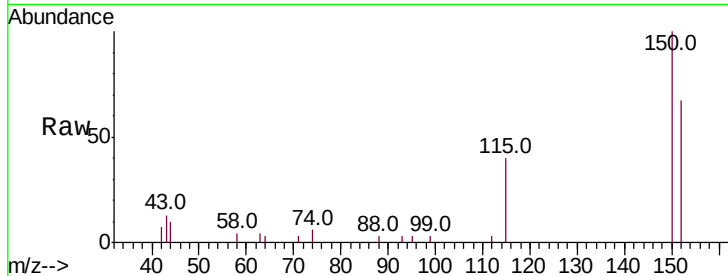


#1

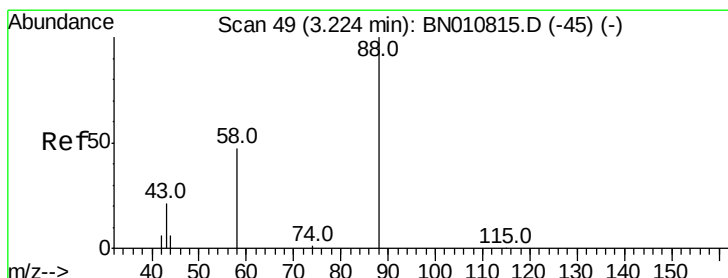
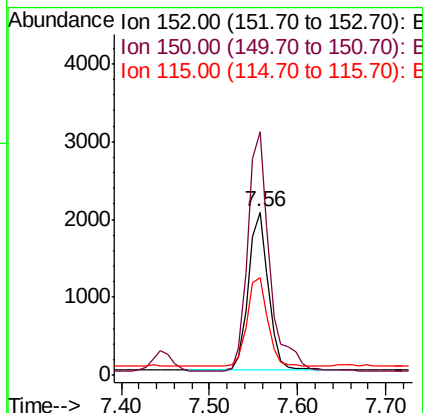
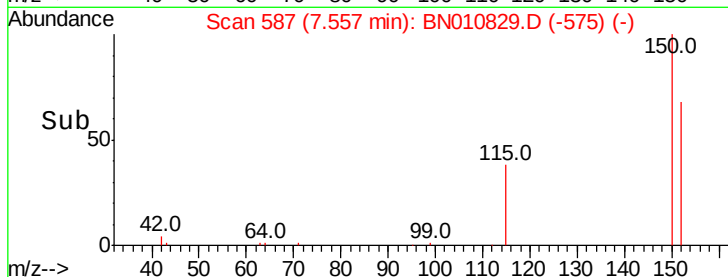
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.56 min Scan# 587
Delta R.T. 0.00 min
Lab File: BN010829.D
Acq: 10 Jun 2020 22:15

Instrument :
BNA_N
ClientSampleId :
VE-4-11MS

Tot Ion:152 Resp: 3185
Ion Ratio Lower Upper
152 100
150 149.0 123.8 185.6
115 59.6 49.2 73.8



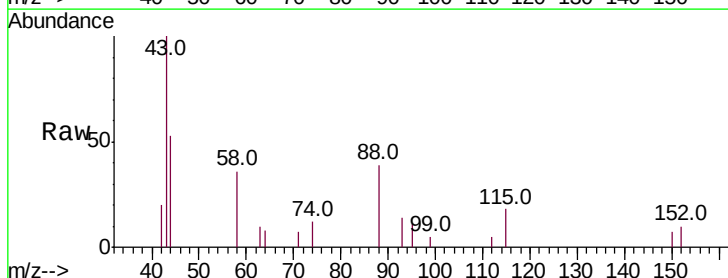
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



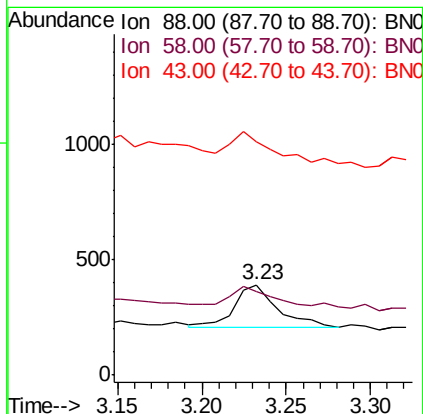
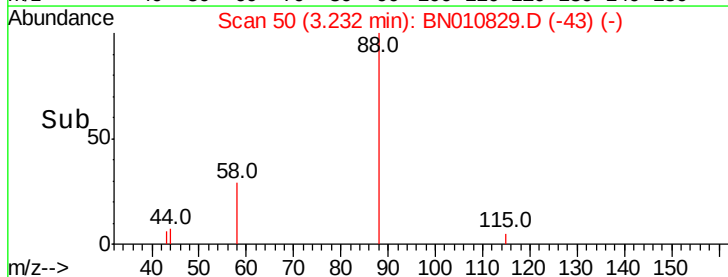
#2

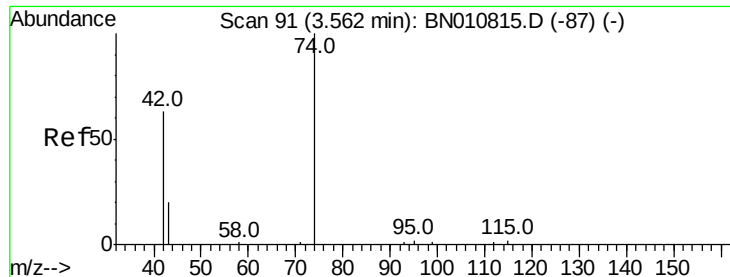
1,4-Dioxane
Concen: 0.104 ng
RT: 3.23 min Scan# 50
Delta R.T. 0.01 min
Lab File: BN010829.D
Acq: 10 Jun 2020 22:15

Tgt Ion: 88 Resp: 325
Ion Ratio Lower Upper
88 100
58 64.0 38.2 57.4#
43 73.5 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



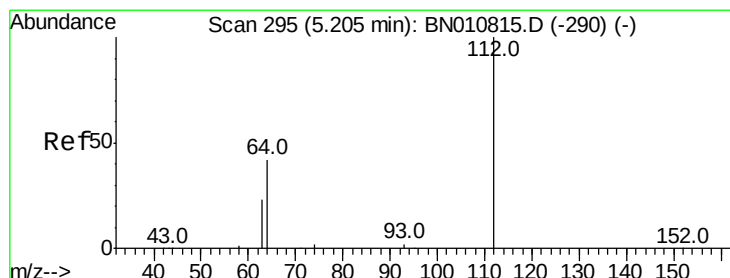
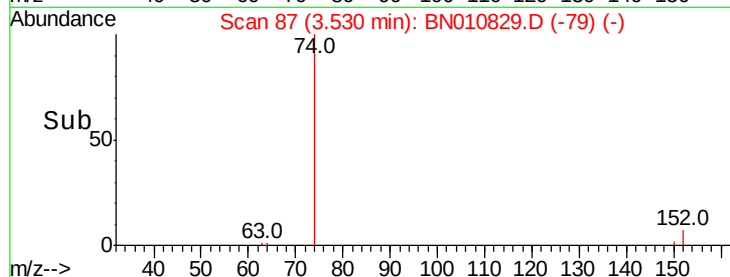
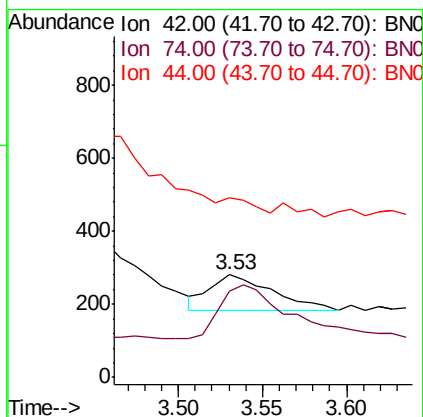
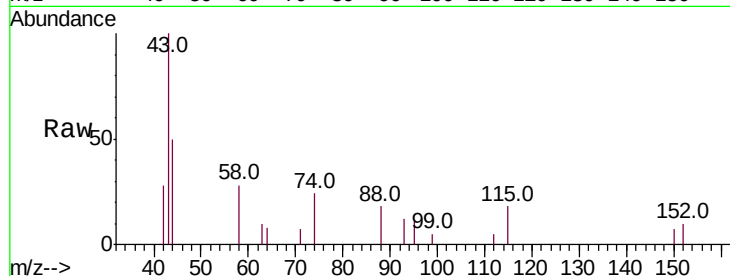


#3

n-Nitrosodimethylamine
 Concen: 0.136 ng
 RT: 3.53 min Scan# 87
 Delta R.T. -0.03 min
 Lab File: BN010829.D
 Acq: 10 Jun 2020 22:15

Instrument :
 BNA_N
 ClientSampleId :
 VE-4-11MS

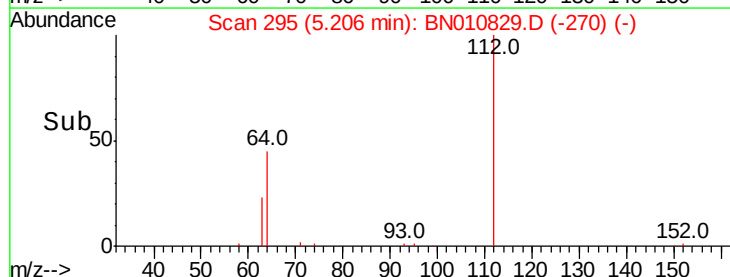
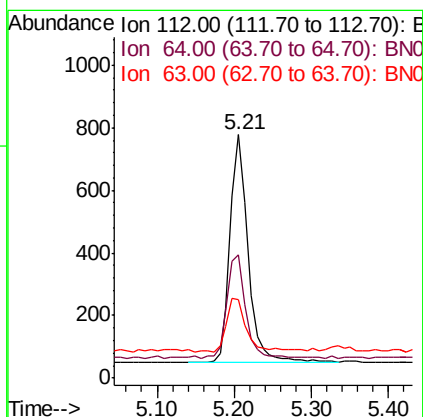
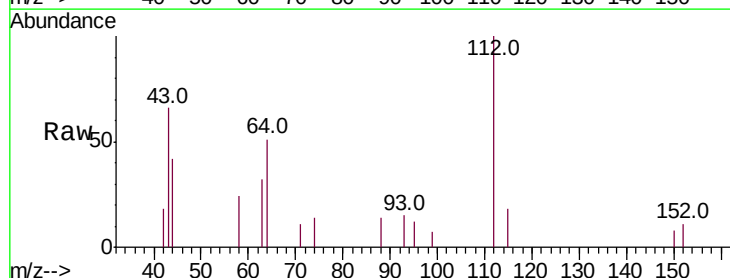
Tot Ion: 42 Resp: 246
 Ion Ratio Lower Upper
 42 100
 74 182.5 140.7 211.1
 44 0.0 1.4 2.2#

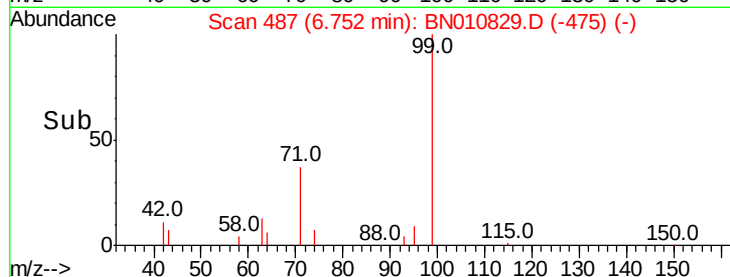
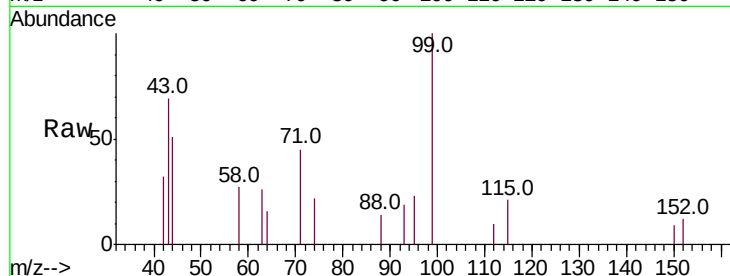
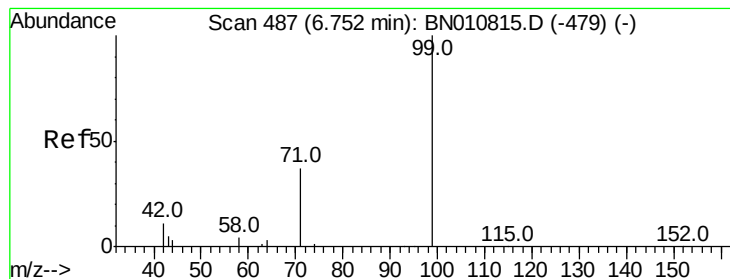


#4

2-Fluorophenol
 Concen: 0.192 ng
 RT: 5.21 min Scan# 295
 Delta R.T. 0.00 min
 Lab File: BN010829.D
 Acq: 10 Jun 2020 22:15

Tgt Ion: 112 Resp: 1183
 Ion Ratio Lower Upper
 112 100
 64 46.2 37.4 56.0
 63 22.8 22.2 33.4





#5

Phenol-d6

Concen: 0.125 ng

RT: 6.75 min Scan# 487

Delta R.T. 0.00 min

Lab File: BN010829.D

Acq: 10 Jun 2020 22:15

Instrument :

BNA_N

ClientSampleId :

VE-4-11MS

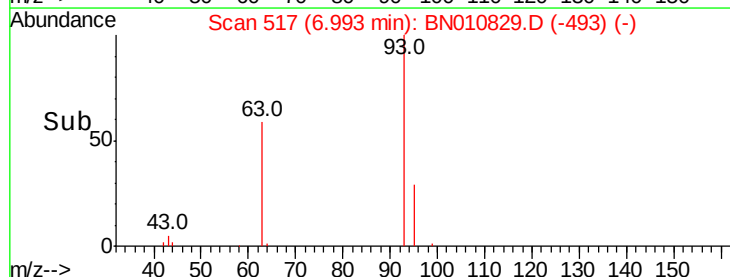
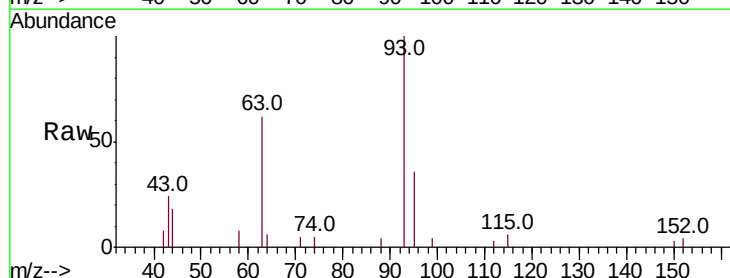
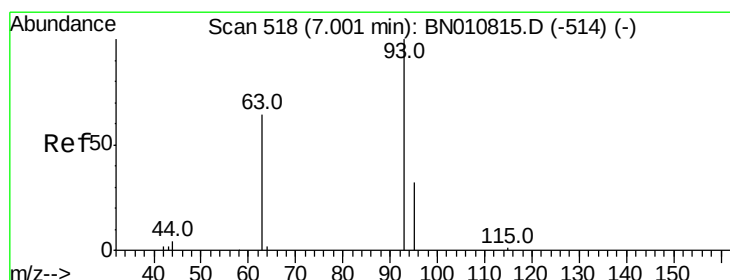
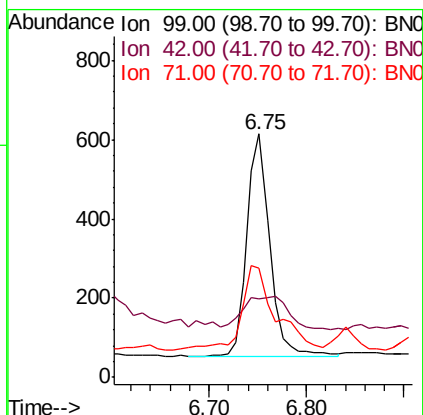
Tot Ion: 99 Resp: 908

Ion Ratio Lower Upper

99 100

42 0.0 11.1 16.7#

71 52.8 31.4 47.2#



#6

bis(2-Chloroethyl)ether

Concen: 0.438 ng

RT: 6.99 min Scan# 517

Delta R.T. -0.01 min

Lab File: BN010829.D

Acq: 10 Jun 2020 22:15

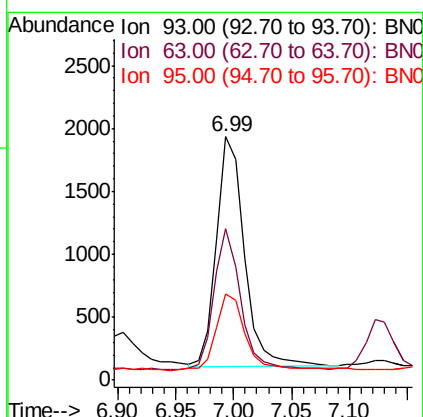
Tgt Ion: 93 Resp: 3094

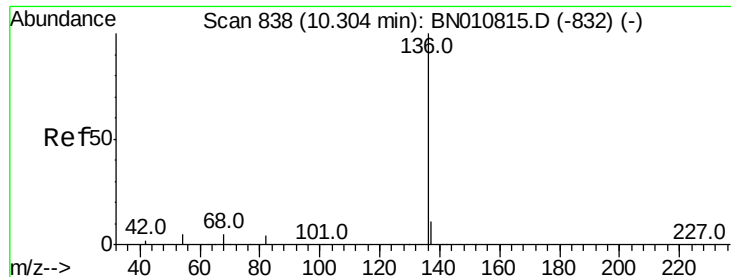
Ion Ratio Lower Upper

93 100

63 57.2 49.4 74.2

95 34.3 26.7 40.1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.30 min Scan# 838

Delta R.T. 0.00 min

Lab File: BN010829.D

Acq: 10 Jun 2020 22:15

Instrument :

BNA_N

ClientSampleId :

VE-4-11MS

Tot Ion:136 Resp: 11737

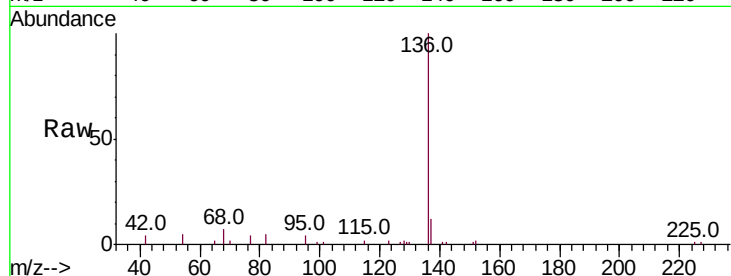
Ion Ratio Lower Upper

136 100

137 11.7 9.7 14.5

54 5.1 4.9 7.3

68 6.6 4.7 7.1

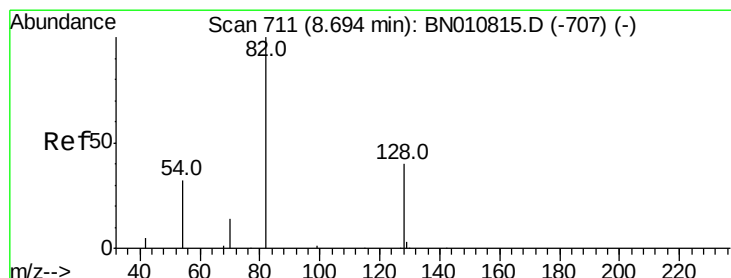
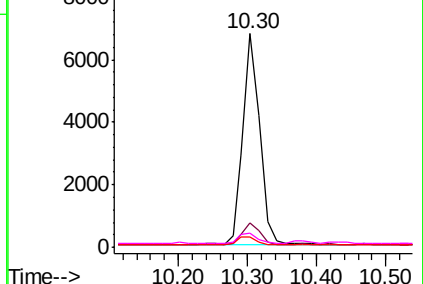
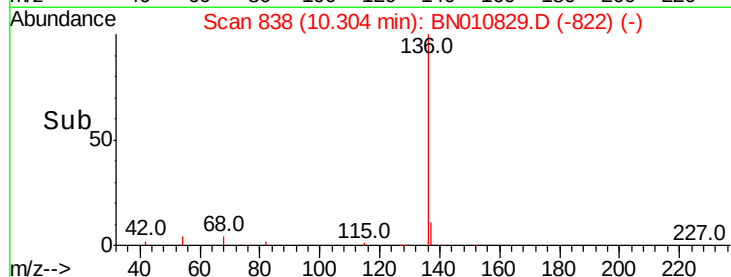


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.407 ng

RT: 8.68 min Scan# 710

Delta R.T. -0.01 min

Lab File: BN010829.D

Acq: 10 Jun 2020 22:15

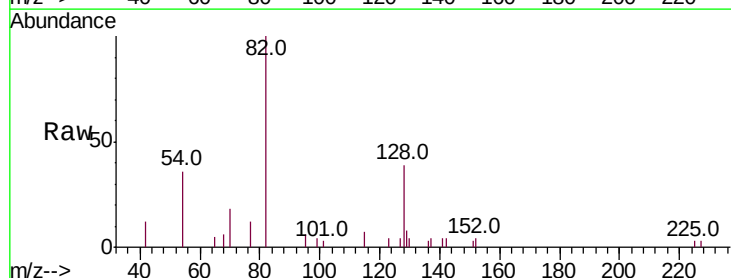
Tgt Ion: 82 Resp: 3531

Ion Ratio Lower Upper

82 100

128 38.6 35.4 53.0

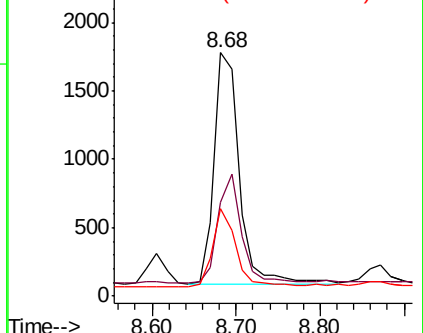
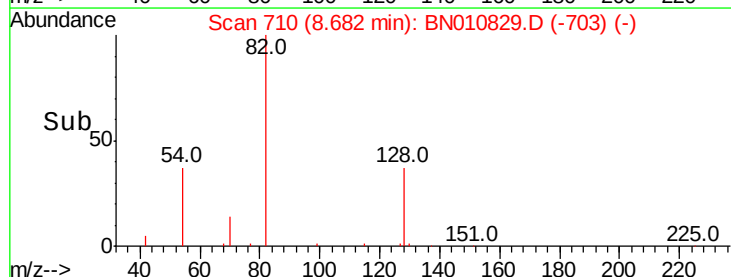
54 36.1 28.2 42.4

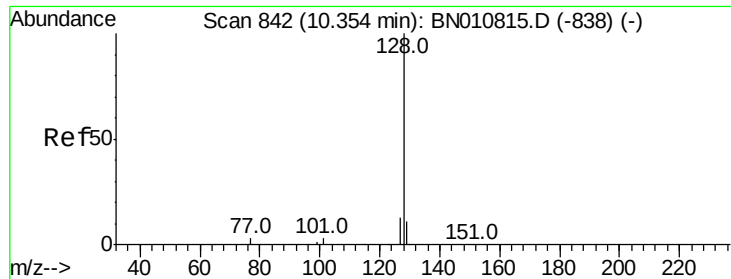


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.416 ng

RT: 10.35 min Scan# 842

Delta R.T. 0.00 min

Lab File: BN010829.D

Acq: 10 Jun 2020 22:15

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BNA_N

ClientSampleId :

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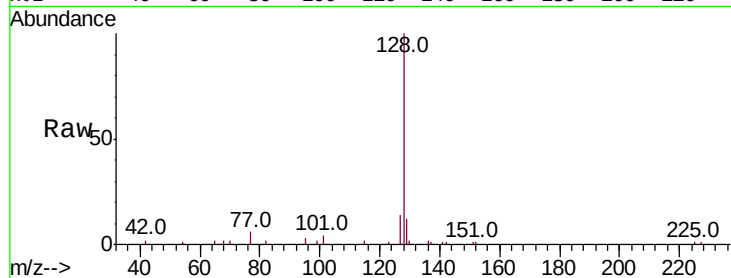
Tot Ion:128 Resp: 12259

Ion Ratio Lower Upper

128 100

129 12.4 9.6 14.4

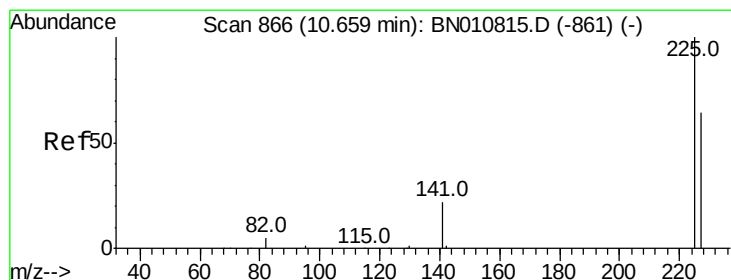
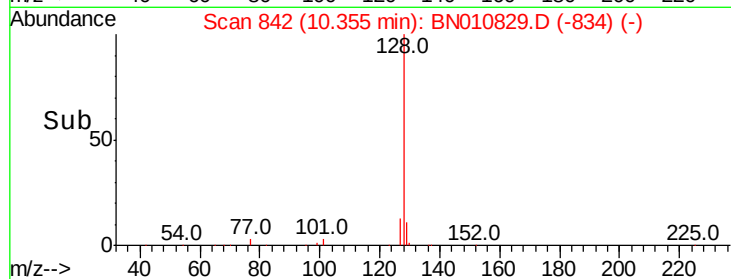
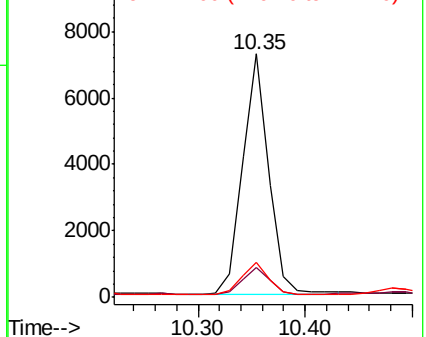
127 14.3 11.4 17.2



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: 0.345 ng

RT: 10.65 min Scan# 865

Delta R.T. -0.01 min

Lab File: BN010829.D

Acq: 10 Jun 2020 22:15

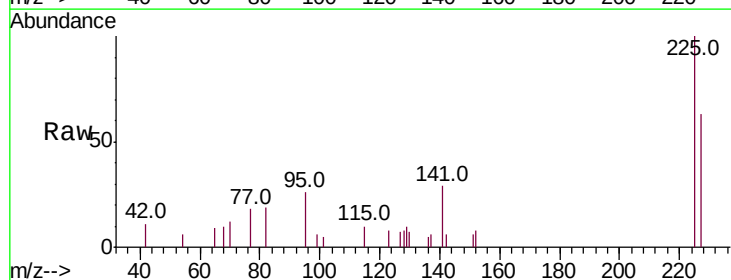
Tgt Ion:225 Resp: 2516

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

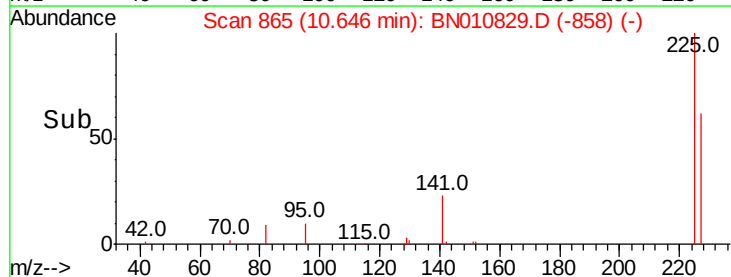
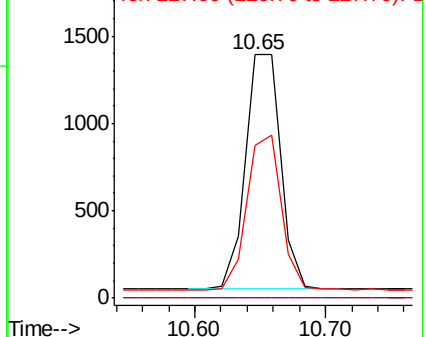
227 63.9 50.5 75.7

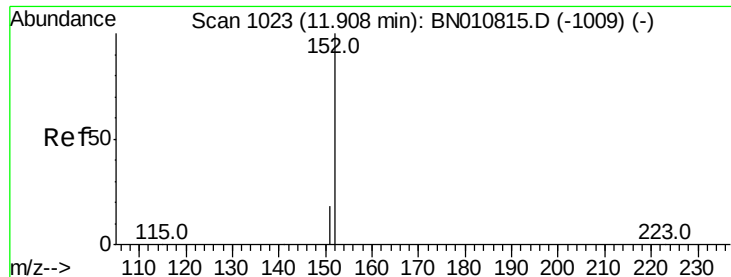


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

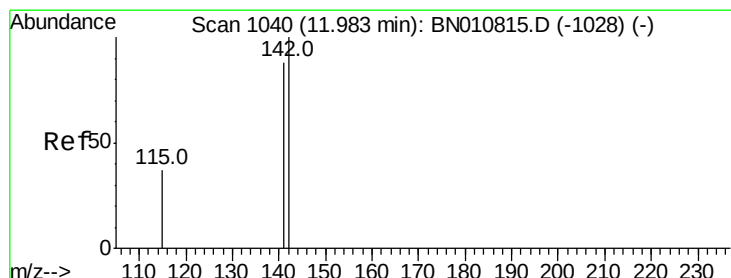
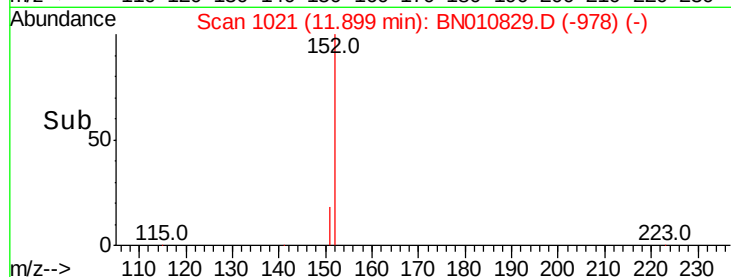
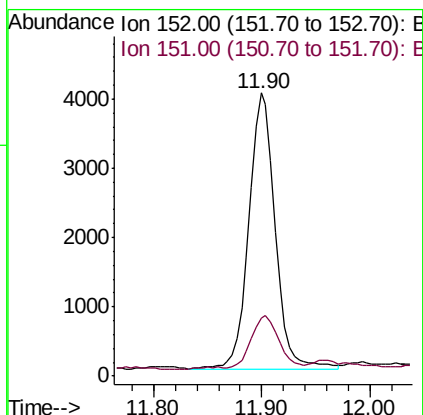
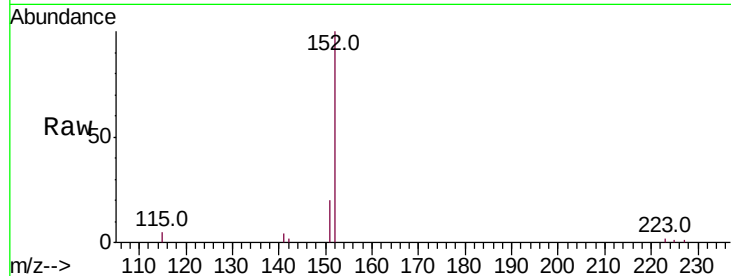




#11
 2-Methylnaphthalene-d10
 Concen: 0.370 ng
 RT: 11.90 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BN010829.D
 Acq: 10 Jun 2020 22:15

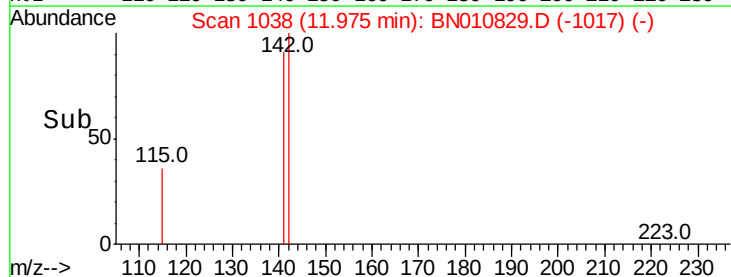
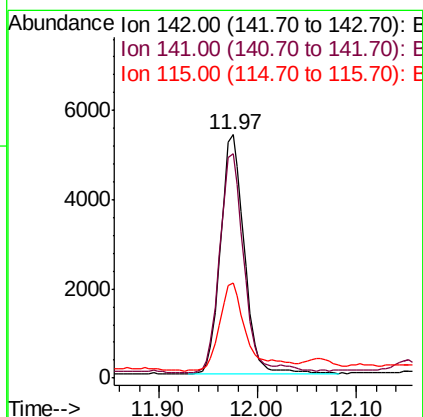
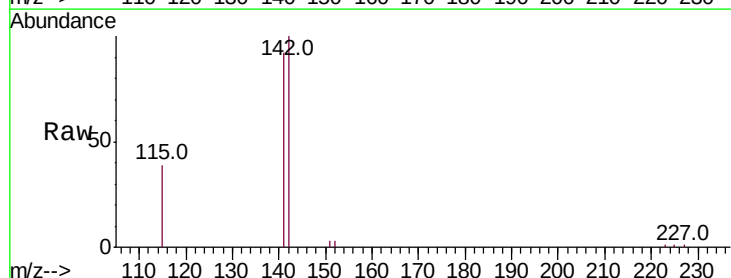
Instrument :
 BNA_N
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 VE-4-11MS

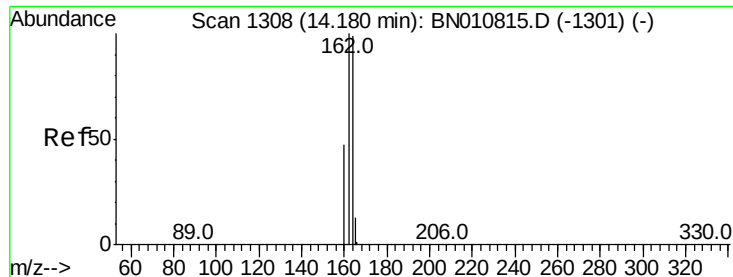
Tot Ion:152 Resp: 6735
 Ion Ratio Lower Upper
 152 100
 151 20.1 15.3 22.9



#12
 2-Methylnaphthalene
 Concen: 0.456 ng
 RT: 11.97 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BN010829.D
 Acq: 10 Jun 2020 22:15

Tgt Ion:142 Resp: 9000
 Ion Ratio Lower Upper
 142 100
 141 92.3 70.8 106.2
 115 38.8 31.5 47.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.18 min Scan# 1308

Delta R.T. 0.00 min

Lab File: BN010829.D

Acq: 10 Jun 2020 22:15

Instrument :

BNA_N

ClientSampleId :

VE-4-11MS

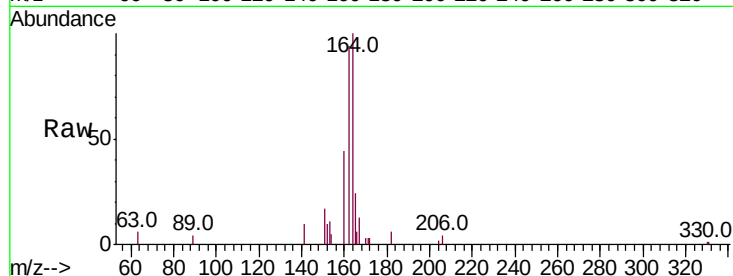
Tot Ion:164 Resp: 7557

Ion Ratio Lower Upper

164 100

162 93.8 81.0 121.6

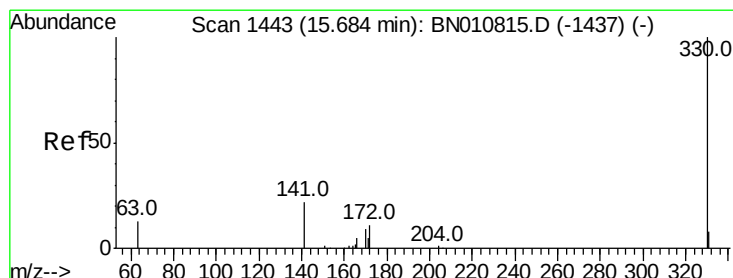
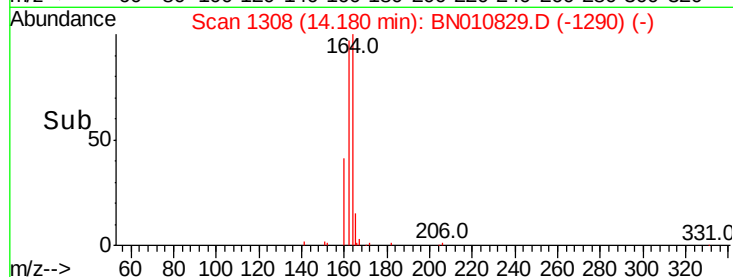
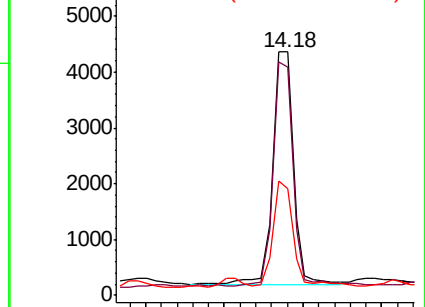
160 43.6 38.9 58.3



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: 0.493 ng

RT: 15.67 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BN010829.D

Acq: 10 Jun 2020 22:15

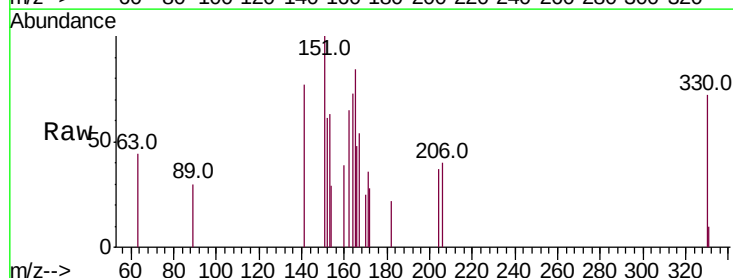
Tgt Ion:330 Resp: 1333

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

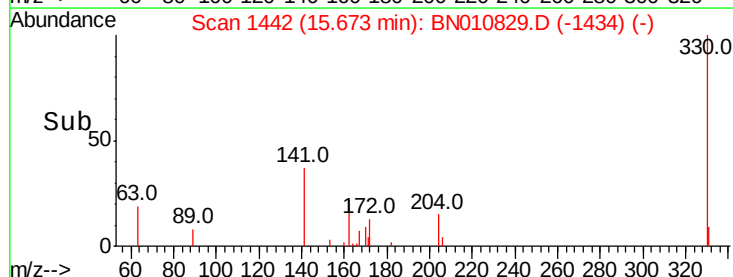
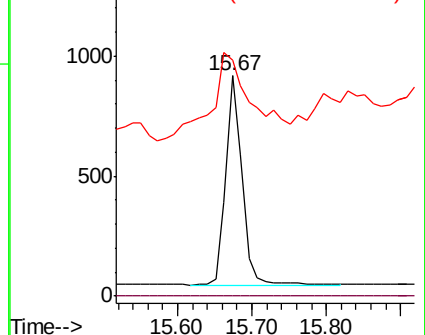
141 58.1 33.2 49.8#

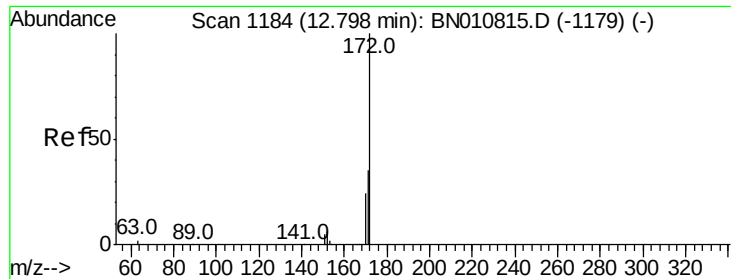


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

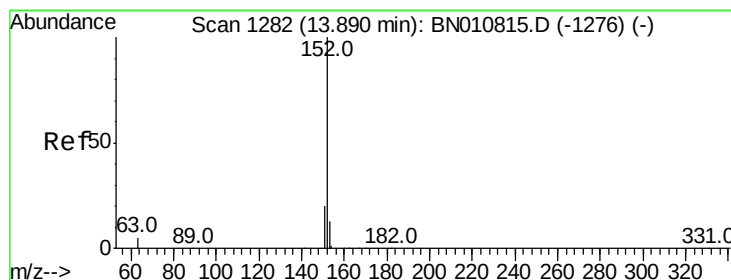
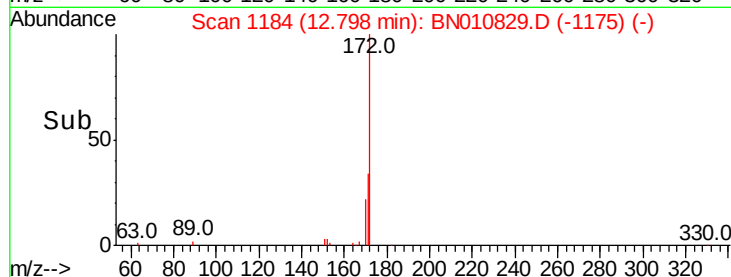
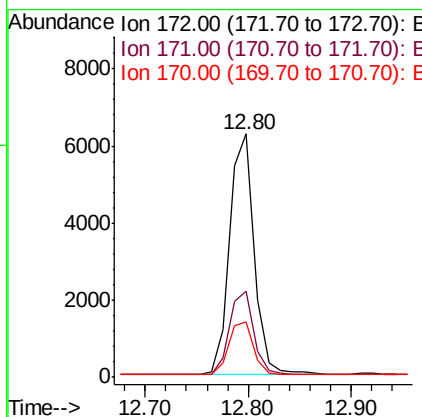
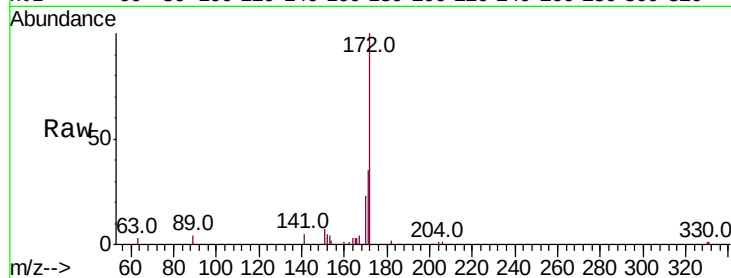




#15
2-Fluorobiphenyl
Concen: 0.349 ng
RT: 12.80 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BN010829.D
Acq: 10 Jun 2020 22:15

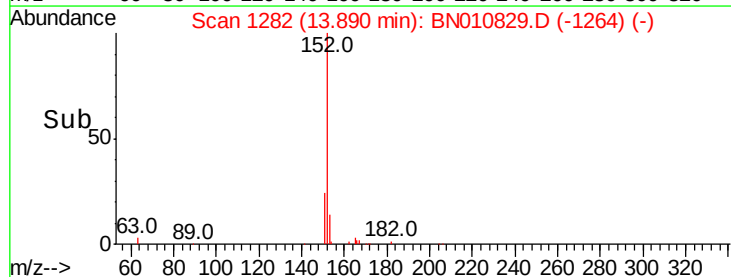
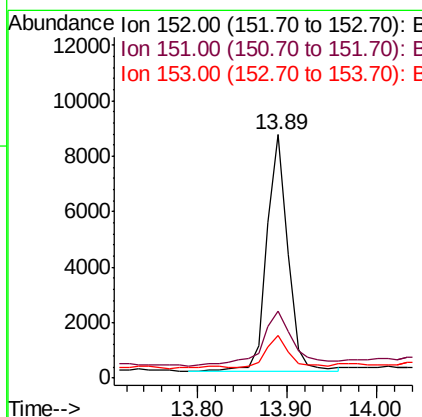
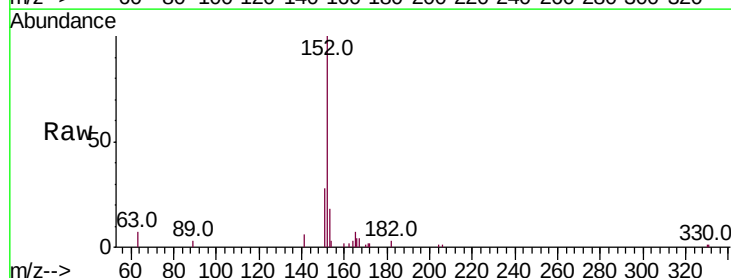
Instrument :
BNA_N
ClientSampleId :
VE-4-11MS

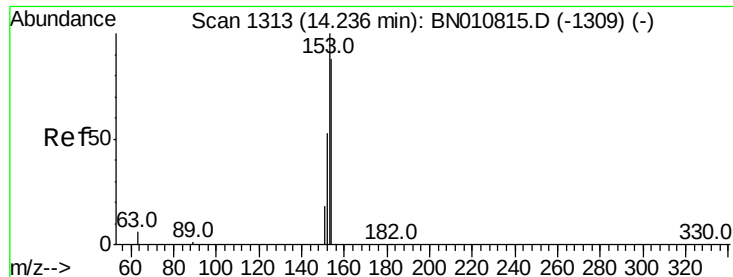
Tot Ion:172 Resp: 10412
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 22.6 19.7 29.5



#16
Acenaphthylene
Concen: 0.448 ng
RT: 13.89 min Scan# 1282
Delta R.T. 0.00 min
Lab File: BN010829.D
Acq: 10 Jun 2020 22:15

Tgt Ion:152 Resp: 13867
Ion Ratio Lower Upper
152 100
151 34.7 15.6 23.4#
153 15.3 10.6 16.0





#17

Acenaphthene

Concen: 0.392 ng

RT: 14.24 min Scan# 1313

Delta R.T. 0.00 min

Lab File: BN010829.D

Acq: 10 Jun 2020 22:15

Instrument :

BNA_N

ClientSampleId :

VE-4-11MS

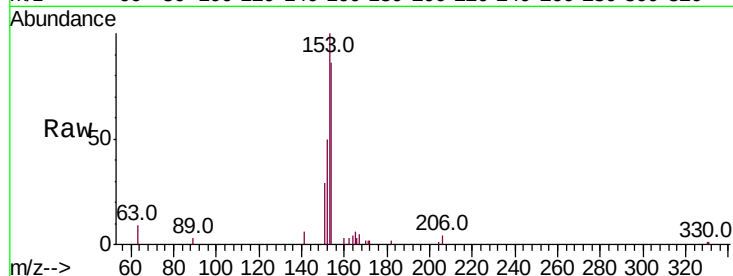
Tot Ion:154 Resp: 8270

Ion Ratio Lower Upper

154 100

153 115.6 91.8 137.6

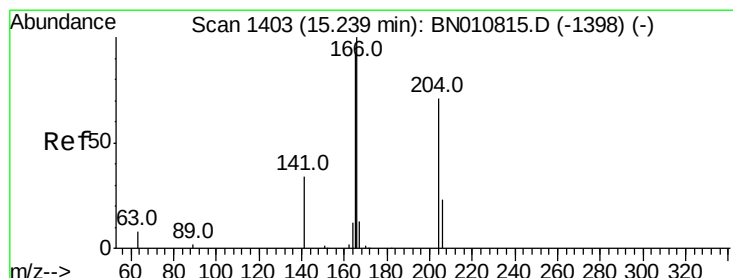
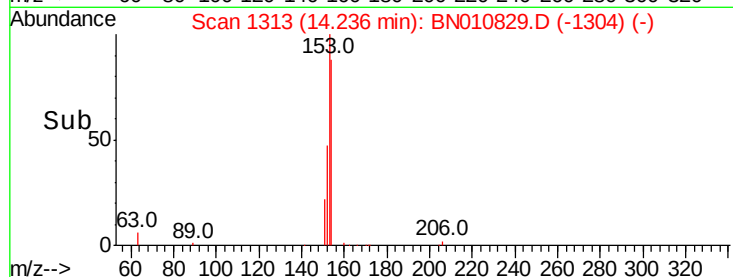
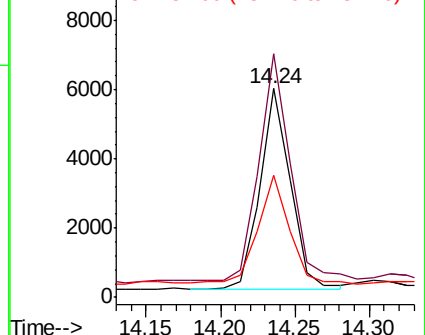
152 56.0 47.6 71.4



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: 0.404 ng

RT: 15.23 min Scan# 1402

Delta R.T. -0.01 min

Lab File: BN010829.D

Acq: 10 Jun 2020 22:15

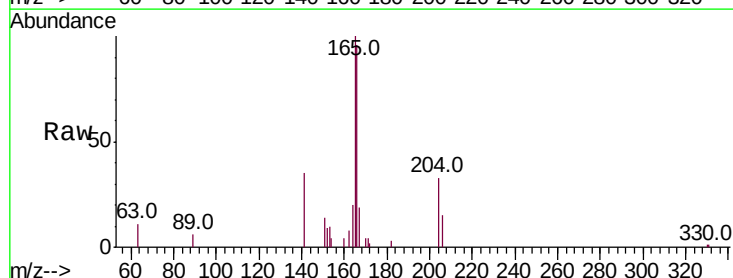
Tgt Ion:166 Resp: 10996

Ion Ratio Lower Upper

166 100

165 98.4 77.2 115.8

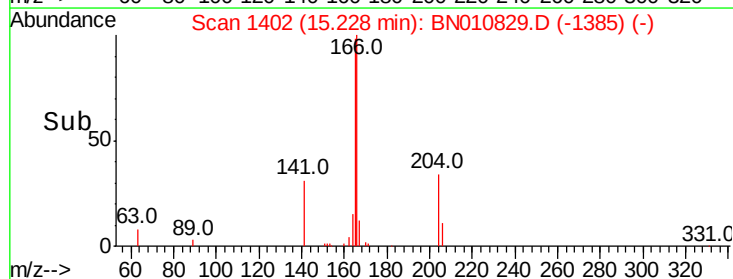
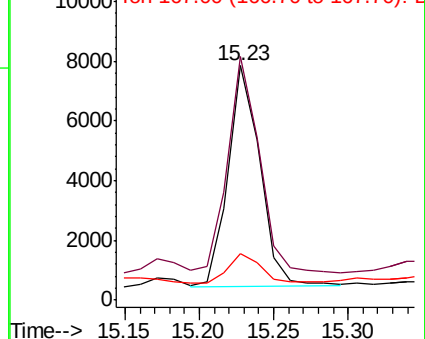
167 13.0 10.7 16.1

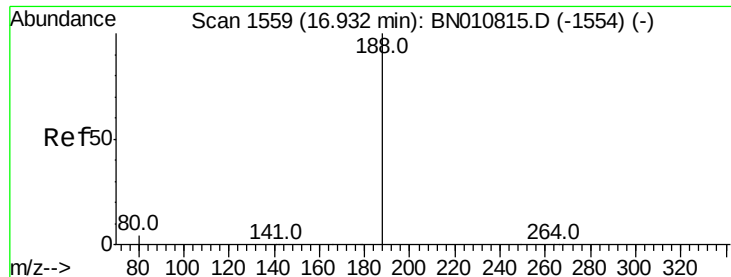


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.92 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BN010829.D

Acq: 10 Jun 2020 22:15

Instrument :

BNA_N

ClientSampleId :

VE-4-11MS

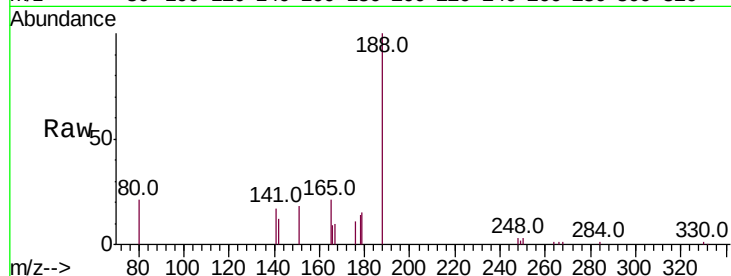
Tot Ion:188 Resp: 14162

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

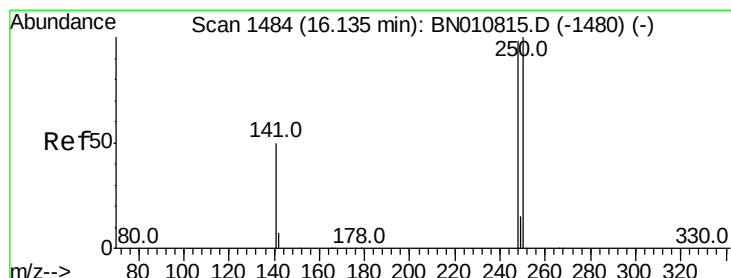
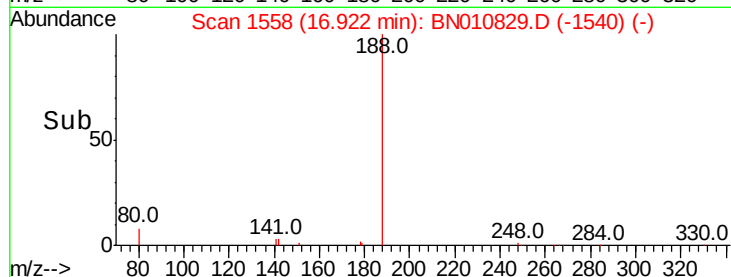
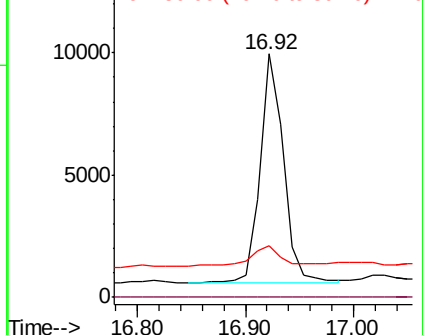
80 21.0 4.5 6.7#



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: 0.391 ng

RT: 16.12 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BN010829.D

Acq: 10 Jun 2020 22:15

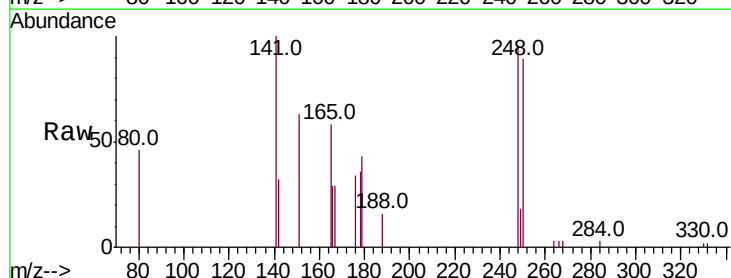
Tgt Ion:248 Resp: 3326

Ion Ratio Lower Upper

248 100

250 93.0 81.8 122.8

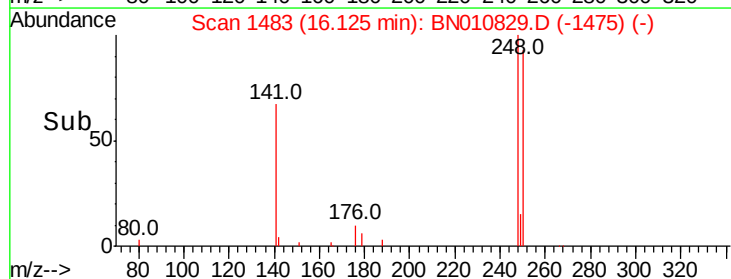
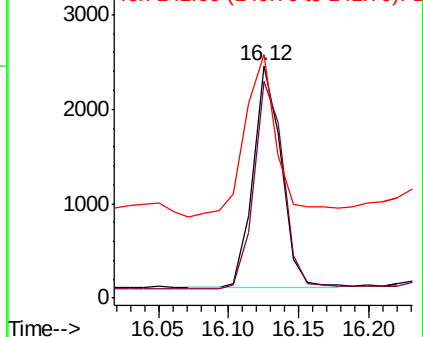
141 104.7 42.6 64.0#

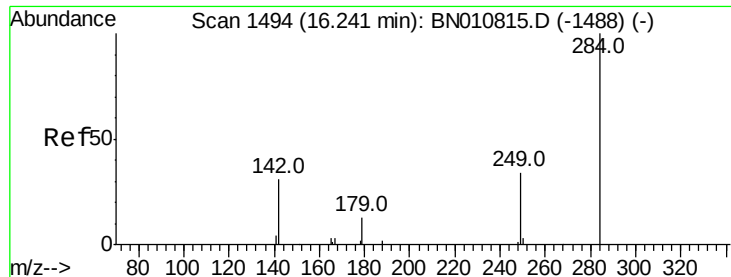


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.375 ng

RT: 16.24 min Scan# 1494

Delta R.T. 0.00 min

Lab File: BN010829.D

Acq: 10 Jun 2020 22:15

Instrument :

BNA_N

ClientSampleId :

VE-4-11MS

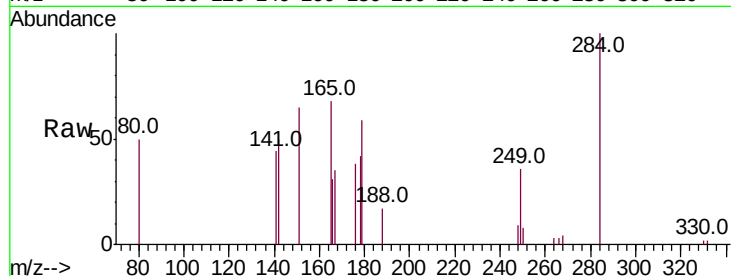
Tot Ion:284 Resp: 3333

Ion Ratio Lower Upper

284 100

142 48.6 31.0 46.4#

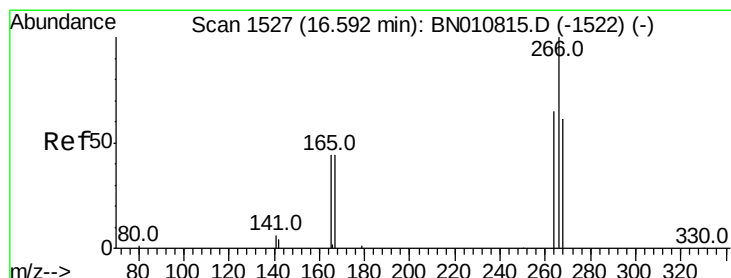
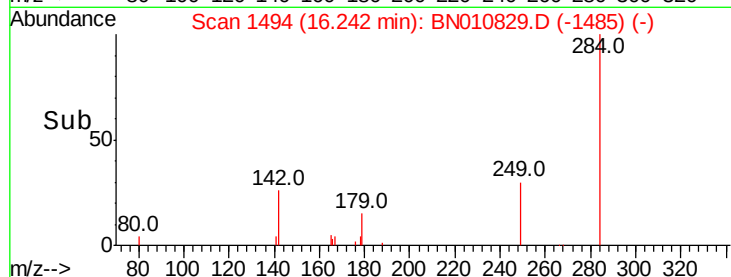
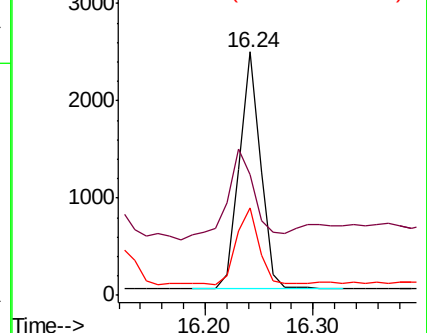
249 33.4 27.1 40.7



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: 1.806 ng

RT: 16.58 min Scan# 1526

Delta R.T. -0.01 min

Lab File: BN010829.D

Acq: 10 Jun 2020 22:15

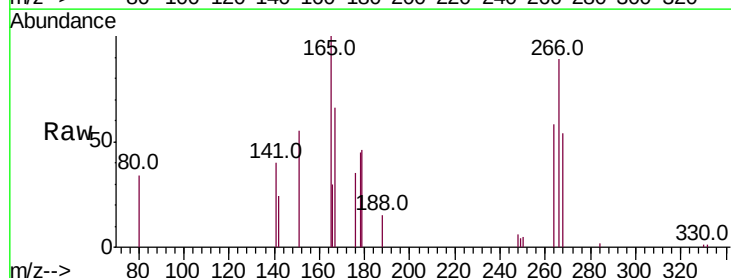
Tgt Ion:266 Resp: 5381

Ion Ratio Lower Upper

266 100

264 65.5 54.8 82.2

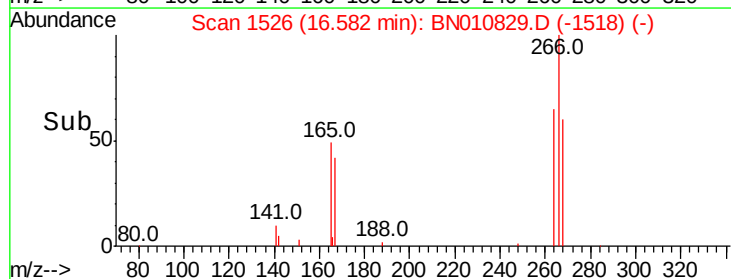
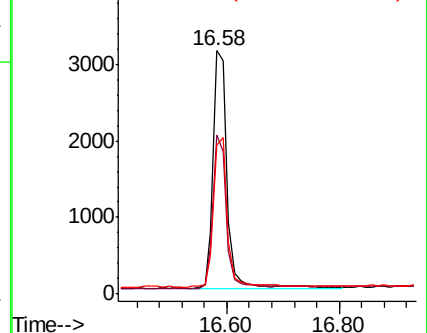
268 61.2 55.9 83.9

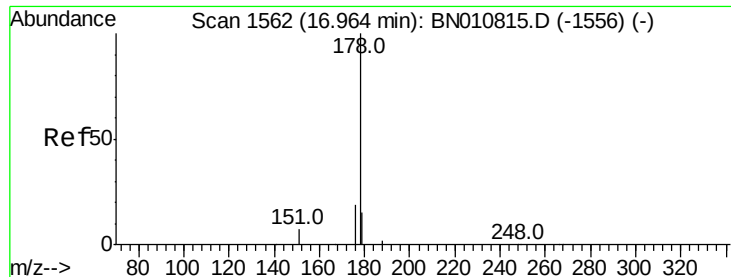


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

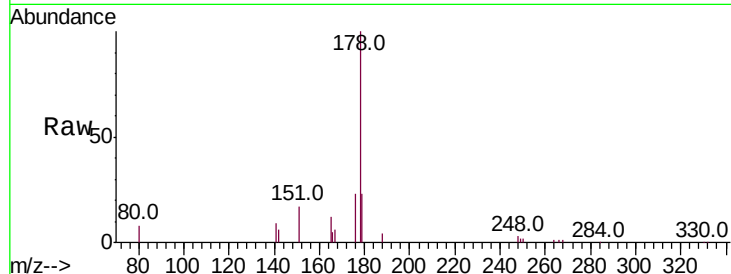




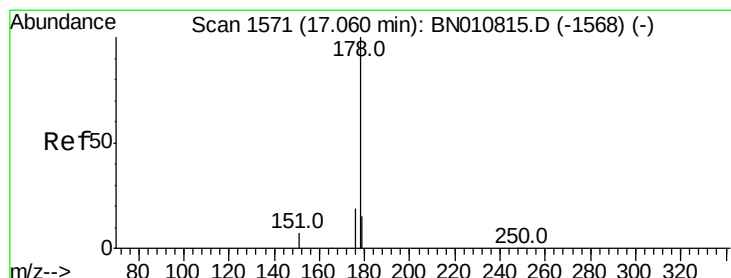
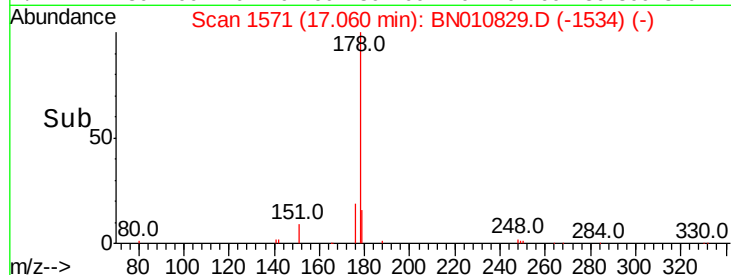
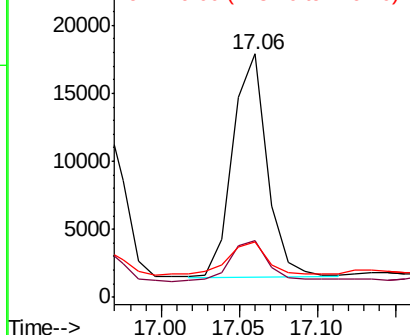
#23
Phenanthrene
Concen: 0.660 ng
RT: 17.06 min Scan# 1571
Delta R.T. 0.10 min
Lab File: BN010829.D
Acq: 10 Jun 2020 22:15

Instrument :
BNA_N
ClientSampleId :
VE-4-11MS

Tot Ion:178 Resp: 25535
Ion Ratio Lower Upper
178 100
176 19.8 15.3 22.9
179 17.3 12.6 19.0

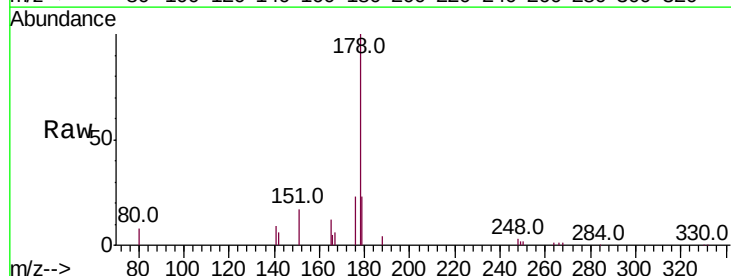


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

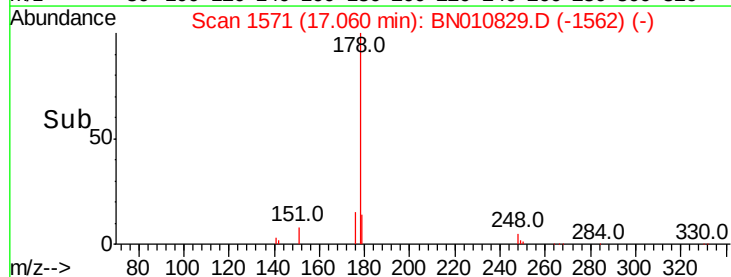
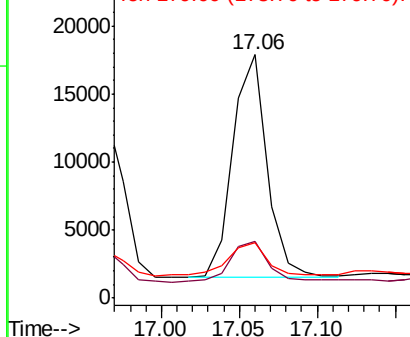


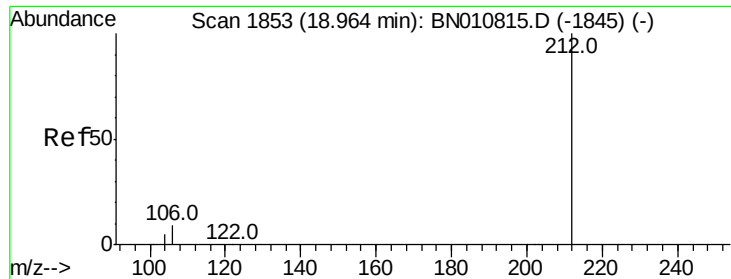
#24
Anthracene
Concen: 0.777 ng
RT: 17.06 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BN010829.D
Acq: 10 Jun 2020 22:15

Tgt Ion:178 Resp: 25102
Ion Ratio Lower Upper
178 100
176 20.1 14.6 22.0
179 17.3 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: 0.400 ng

RT: 18.96 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BN010829.D

Acq: 10 Jun 2020 22:15

Instrument :

BNA_N

ClientSampleId :

VE-4-11MS

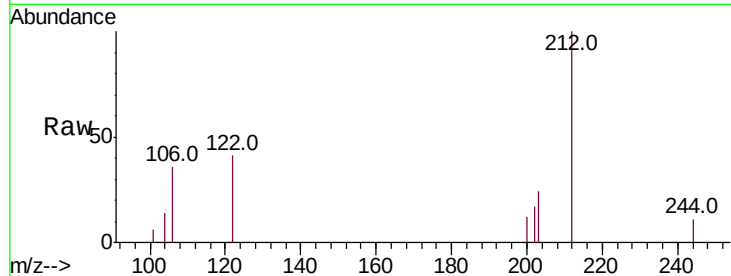
Tot Ion:212 Resp: 15653

Ion Ratio Lower Upper

212 100

106 13.0 6.6 10.0#

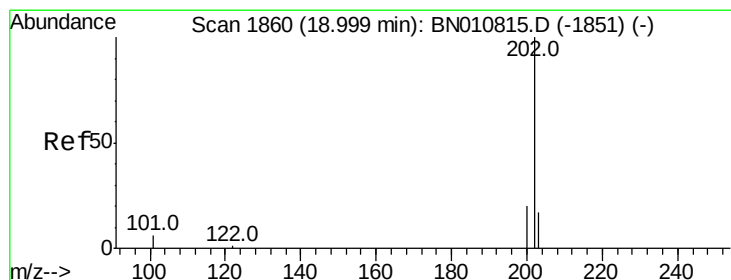
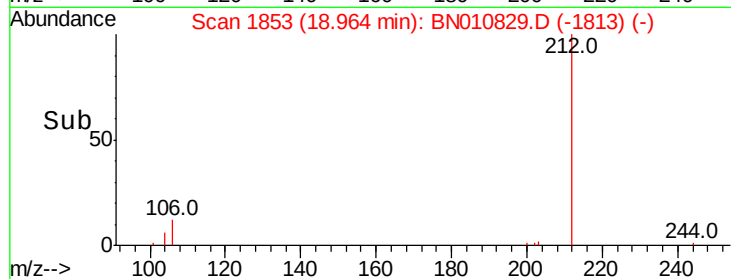
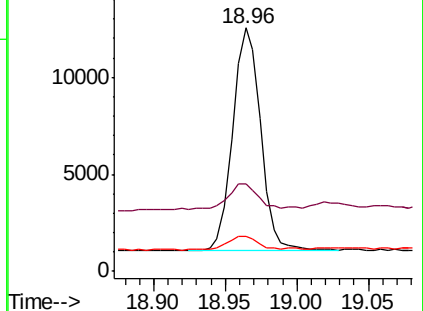
104 7.0 4.0 6.0#



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: 0.442 ng

RT: 18.99 min Scan# 1859

Delta R.T. -0.00 min

Lab File: BN010829.D

Acq: 10 Jun 2020 22:15

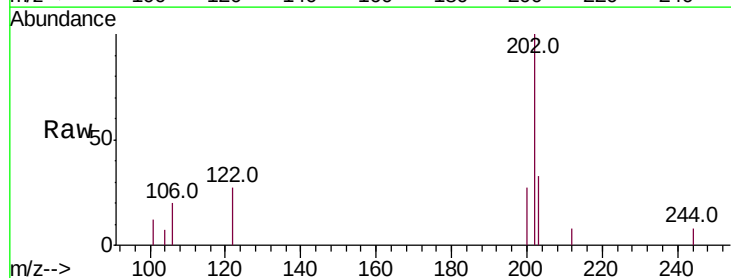
Tgt Ion:202 Resp: 19428

Ion Ratio Lower Upper

202 100

101 9.1 5.8 8.6#

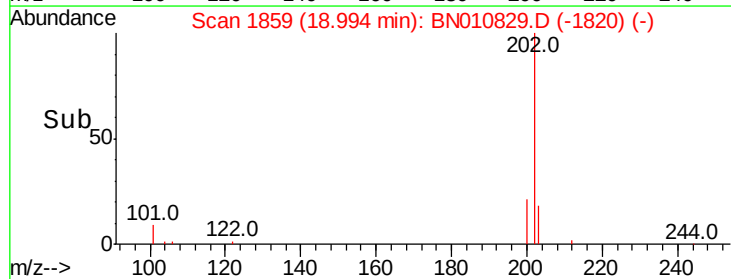
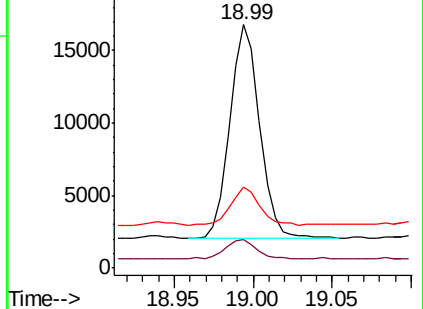
203 17.3 13.7 20.5

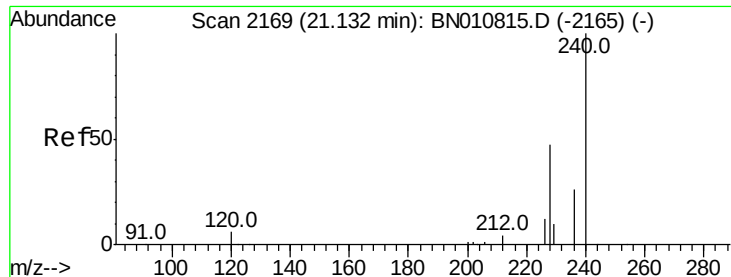


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.13 min Scan# 2169

Delta R.T. 0.00 min

Lab File: BN010829.D

Acq: 10 Jun 2020 22:15

Instrument :

BNA_N

ClientSampleId :

VE-4-11MS

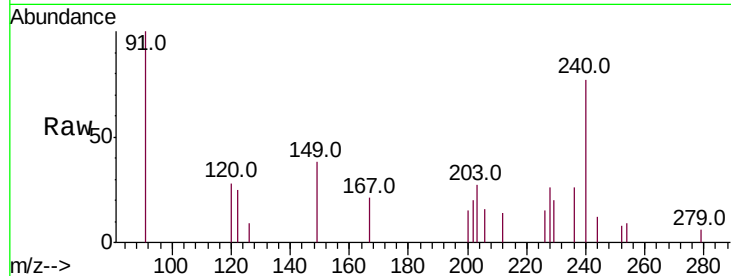
Tot Ion:240 Resp: 13221

Ion Ratio Lower Upper

240 100

120 36.1 7.5 11.3#

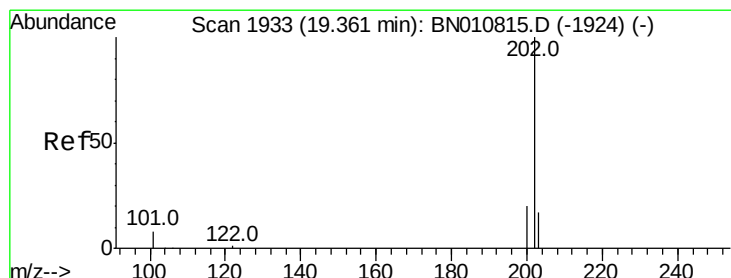
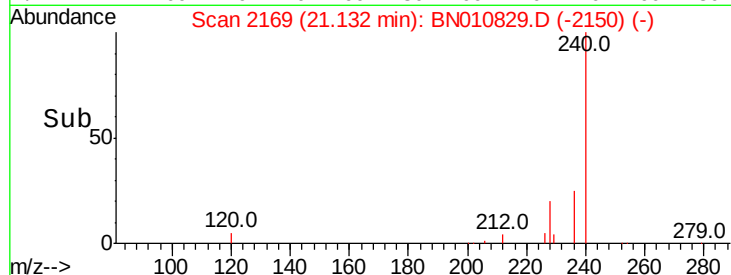
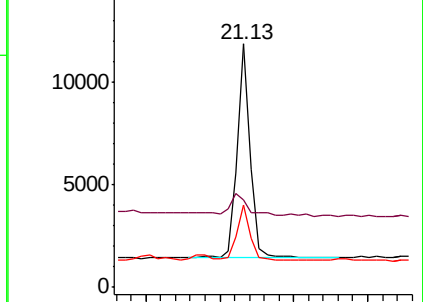
236 33.6 22.3 33.5#



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: 0.553 ng

RT: 19.36 min Scan# 1932

Delta R.T. -0.00 min

Lab File: BN010829.D

Acq: 10 Jun 2020 22:15

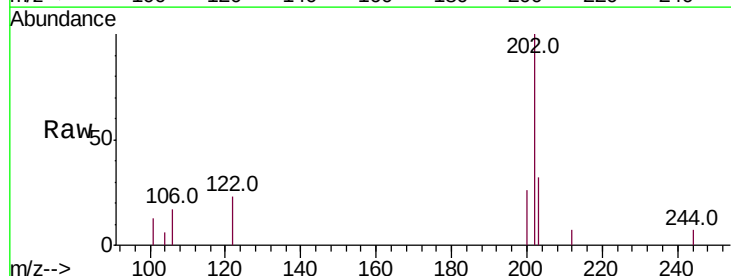
Tgt Ion:202 Resp: 24183

Ion Ratio Lower Upper

202 100

200 21.0 16.4 24.6

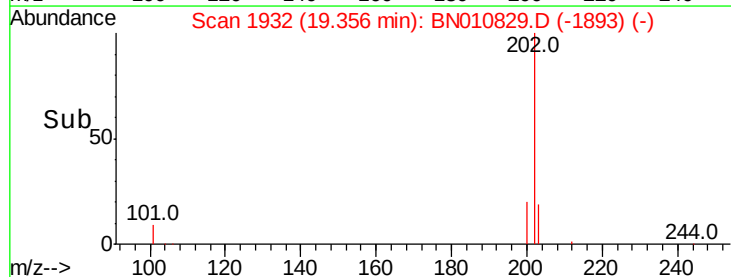
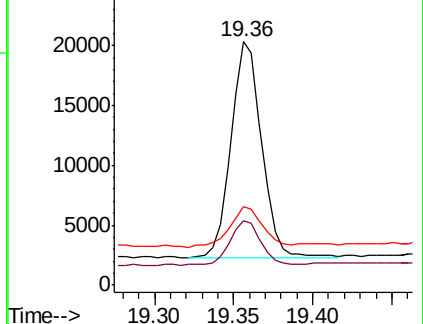
203 19.8 14.2 21.4

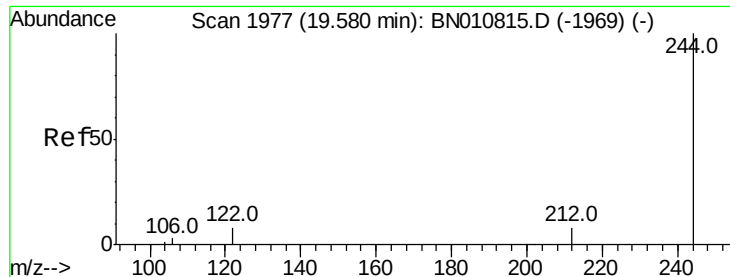


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.433 ng

RT: 19.58 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BN010829.D

Acq: 10 Jun 2020 22:15

Instrument :

BNA_N

ClientSampleId :

VE-4-11MS

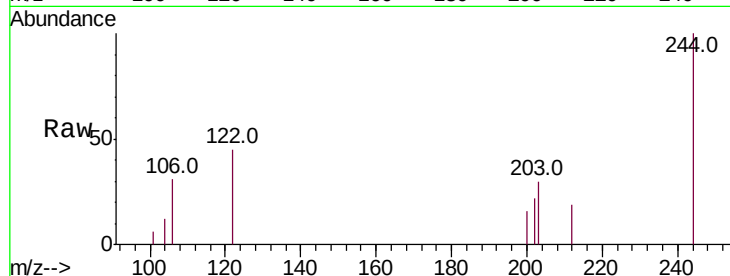
Tot Ion:244 Resp: 13403

Ion Ratio Lower Upper

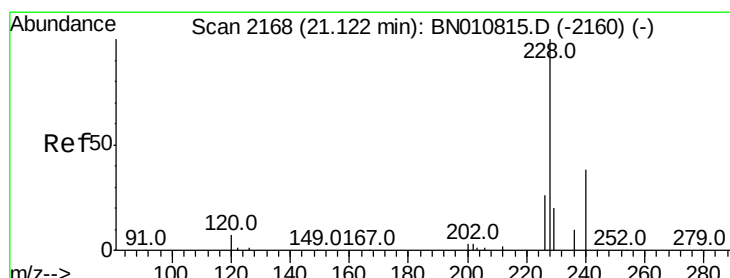
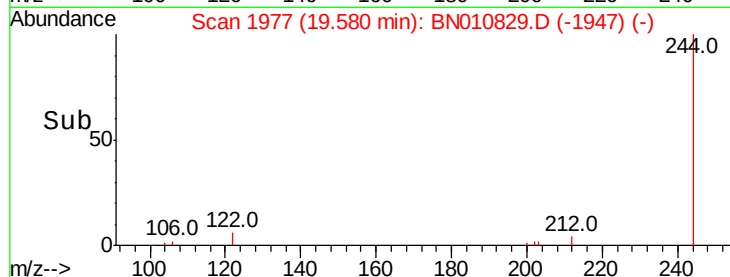
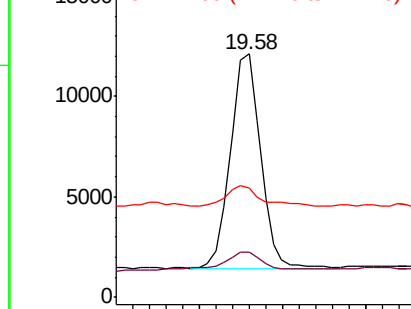
244 100

212 18.6 7.4 11.2#

122 44.8 7.5 11.3#



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



#30

Benzo(a)anthracene

Concen: 0.455 ng

RT: 21.11 min Scan# 2167

Delta R.T. -0.01 min

Lab File: BN010829.D

Acq: 10 Jun 2020 22:15

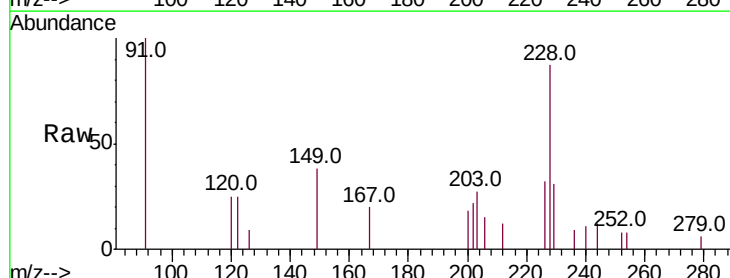
Tgt Ion:228 Resp: 17672

Ion Ratio Lower Upper

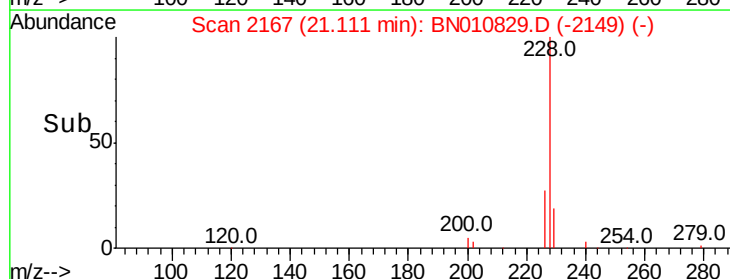
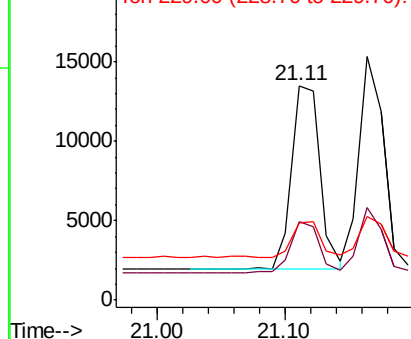
228 100

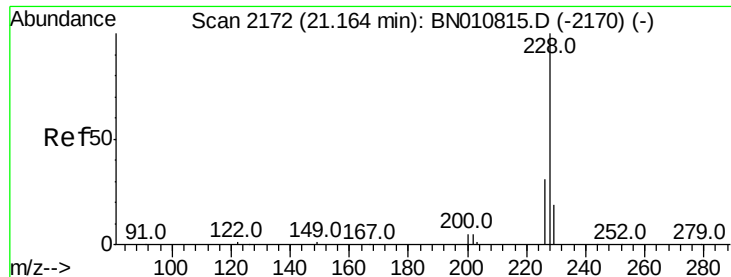
226 36.4 21.3 31.9#

229 36.1 16.6 24.8#



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





#31

Chrysene

Concen: 0.395 ng

RT: 21.16 min Scan# 2172

Delta R.T. 0.00 min

Lab File: BN010829.D

Acq: 10 Jun 2020 22:15

Instrument :

BNA_N

ClientSampleId :

VE-4-11MS

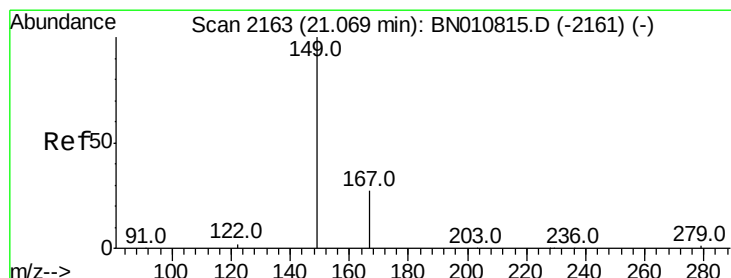
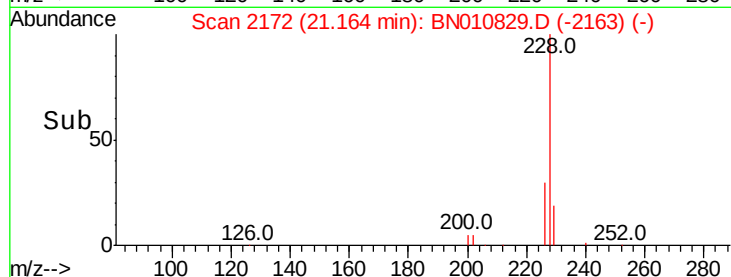
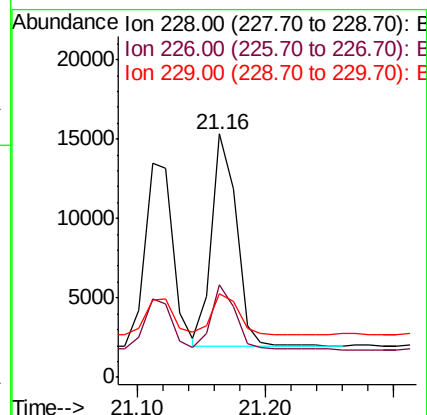
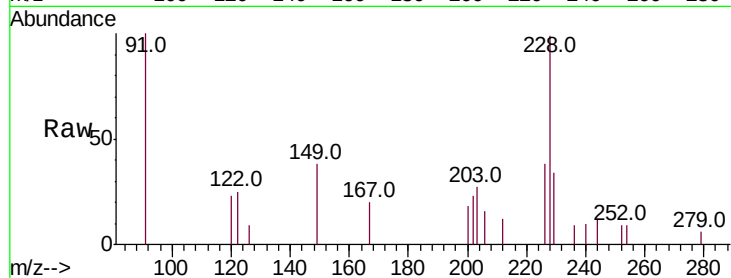
Tot Ion:228 Resp: 17878

Ion Ratio Lower Upper

228 100

226 37.9 25.0 37.6#

229 34.5 16.1 24.1#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.691 ng

RT: 21.08 min Scan# 2164

Delta R.T. 0.01 min

Lab File: BN010829.D

Acq: 10 Jun 2020 22:15

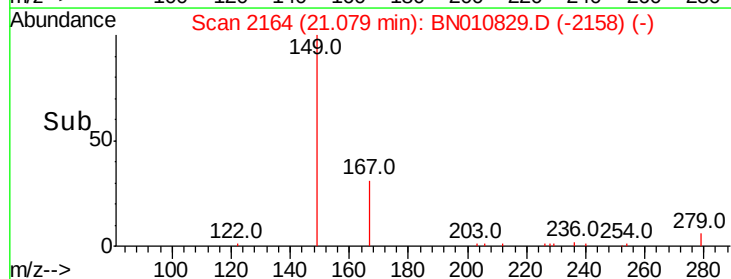
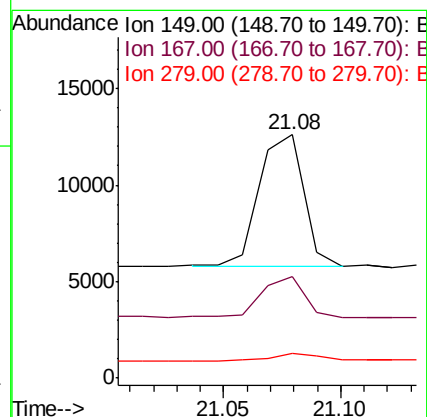
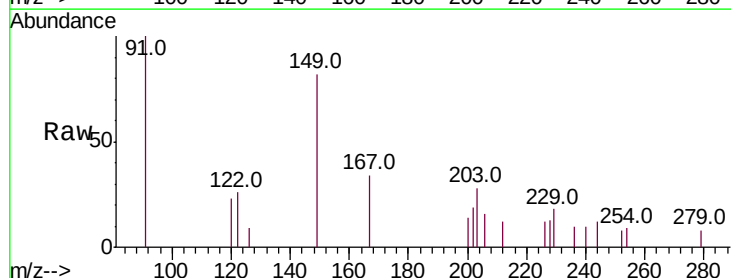
Tgt Ion:149 Resp: 8950

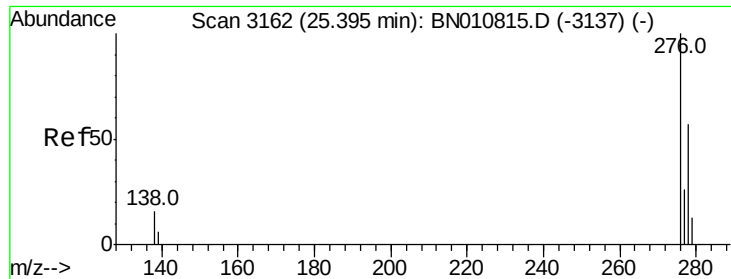
Ion Ratio Lower Upper

149 100

167 29.8 24.1 36.1

279 6.1 4.6 7.0





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.343 ng

RT: 25.40 min Scan# 3163

Delta R.T. 0.00 min

Lab File: BN010829.D

Acq: 10 Jun 2020 22:15

Instrument :

BNA_N

ClientSampleId :

VE-4-11MS

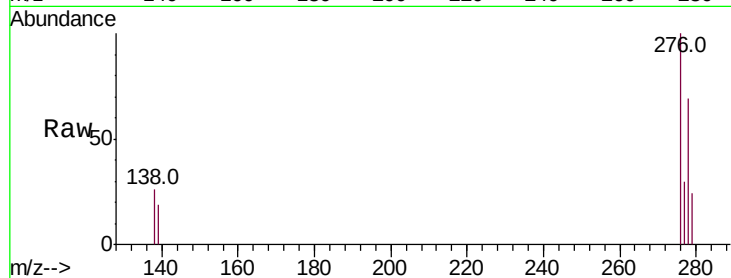
Tot Ion:276 Resp: 17335

Ion Ratio Lower Upper

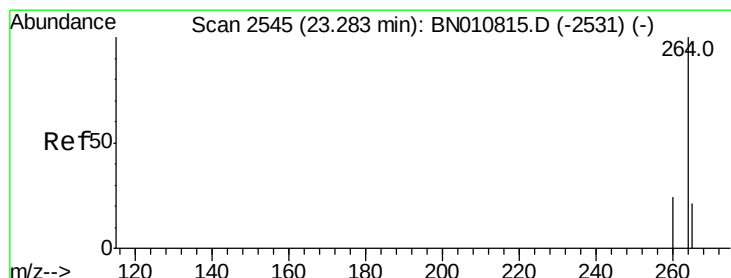
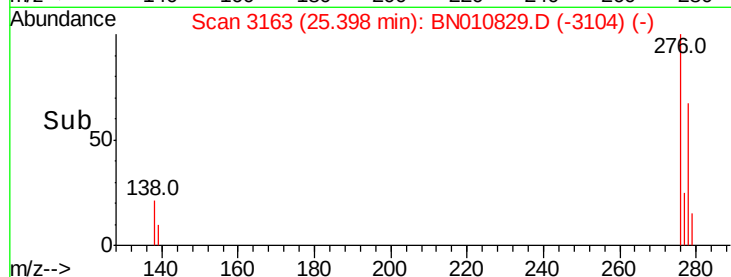
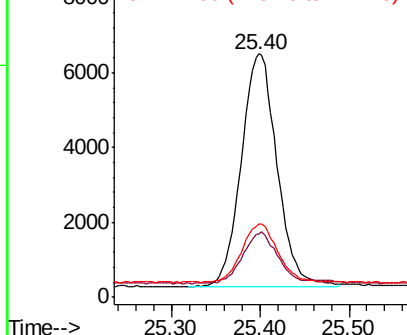
276 100

138 21.4 13.0 19.6#

277 25.0 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: 23.28 min Scan# 2545

Delta R.T. 0.00 min

Lab File: BN010829.D

Acq: 10 Jun 2020 22:15

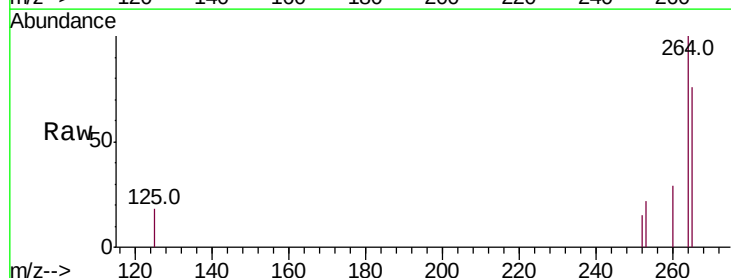
Tgt Ion:264 Resp: 14442

Ion Ratio Lower Upper

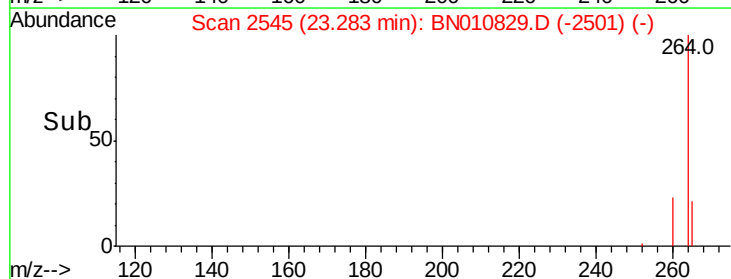
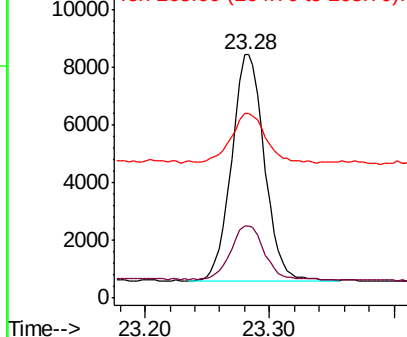
264 100

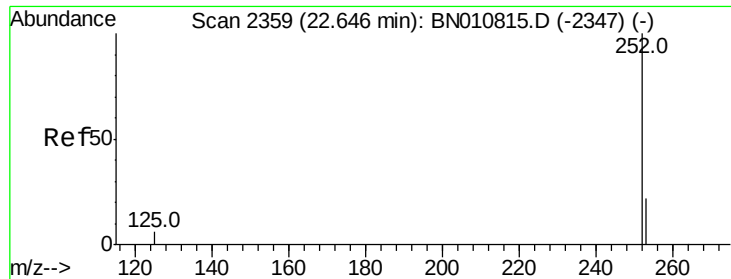
260 29.4 20.4 30.6

265 75.9 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

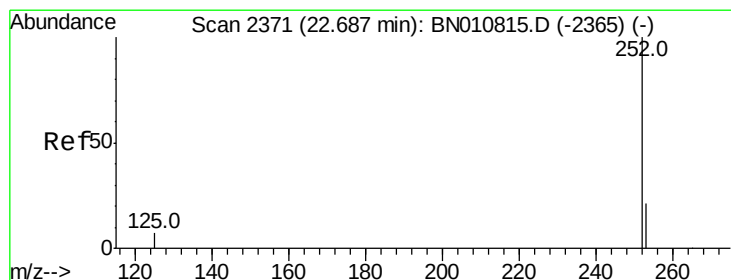
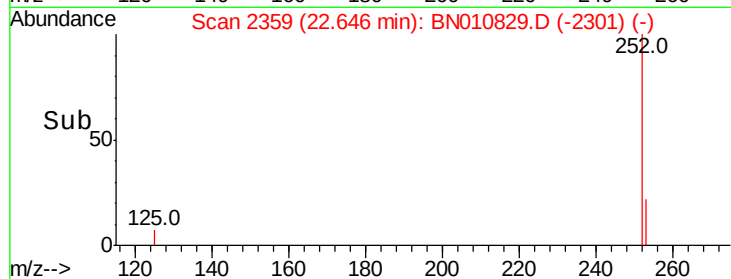
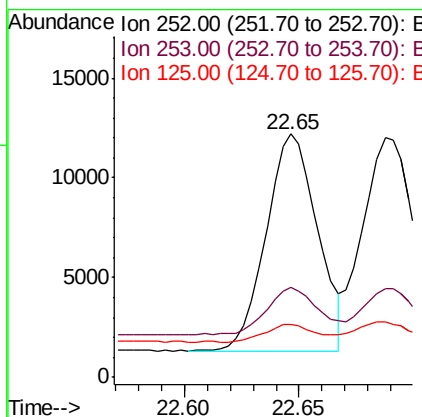
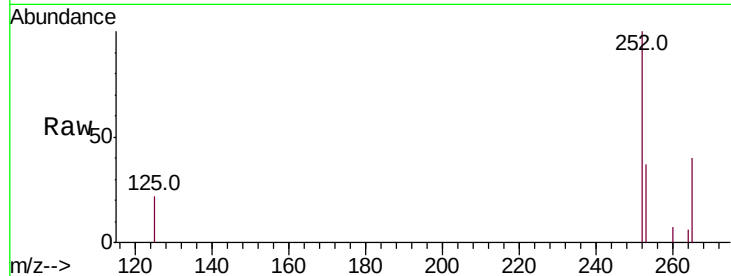




#35
Benzo(b)fluoranthene
Concen: 0.344 ng
RT: 22.65 min Scan# 2359
Delta R.T. 0.00 min
Lab File: BN010829.D
Acq: 10 Jun 2020 22:15

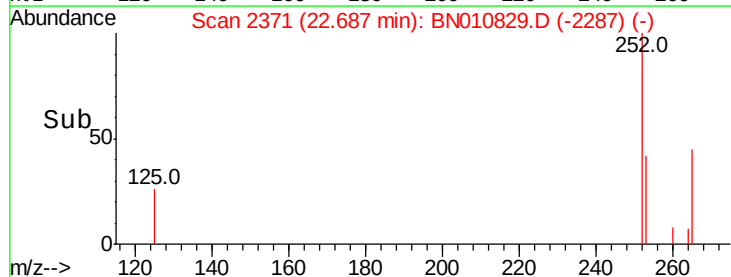
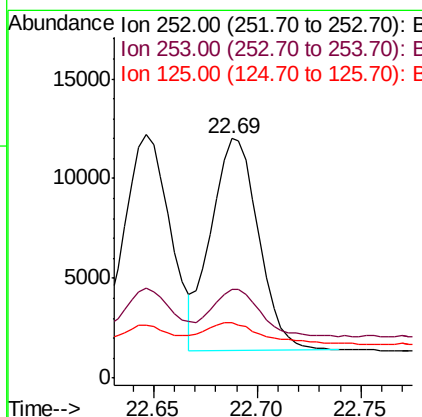
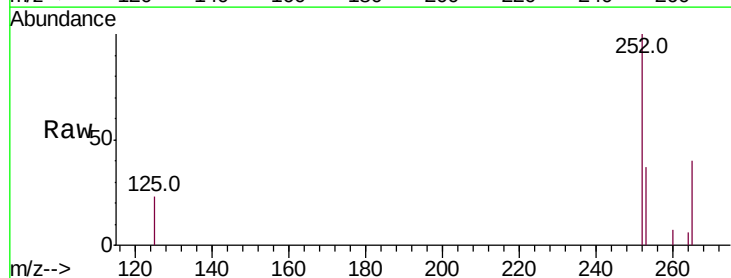
Instrument :
BNA_N
ClientSampleId :
VE-4-11MS

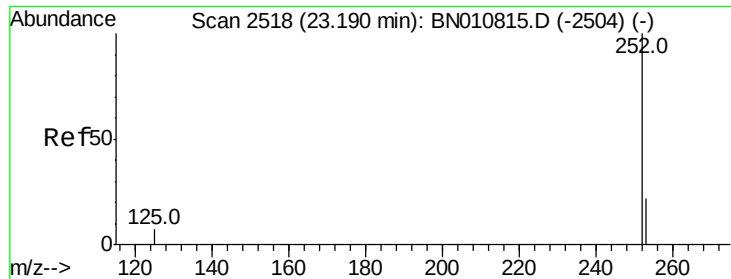
Tot Ion:252 Resp: 16887
Ion Ratio Lower Upper
252 100
253 36.9 22.4 33.6#
125 21.8 9.4 14.0#



#36
Benzo(k)fluoranthene
Concen: 0.322 ng
RT: 22.69 min Scan# 2371
Delta R.T. 0.00 min
Lab File: BN010829.D
Acq: 10 Jun 2020 22:15

Tgt Ion:252 Resp: 16866
Ion Ratio Lower Upper
252 100
253 36.8 22.2 33.4#
125 22.9 9.8 14.8#





#37

Benzo(a)pyrene

Concen: 0.361 ng

RT: 23.19 min Scan# 2517

Delta R.T. -0.00 min

Lab File: BN010829.D

Acq: 10 Jun 2020 22:15

Instrument :

BNA_N

ClientSampleId :

VE-4-11MS

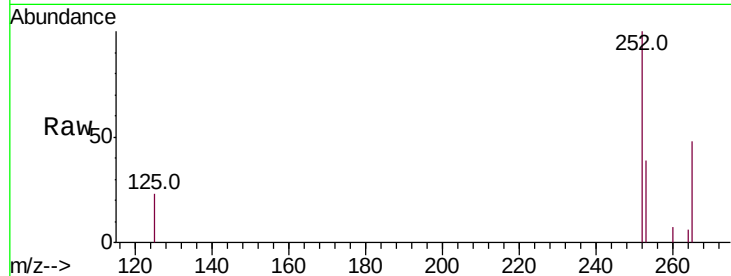
Tot Ion:252 Resp: 15198

Ion Ratio Lower Upper

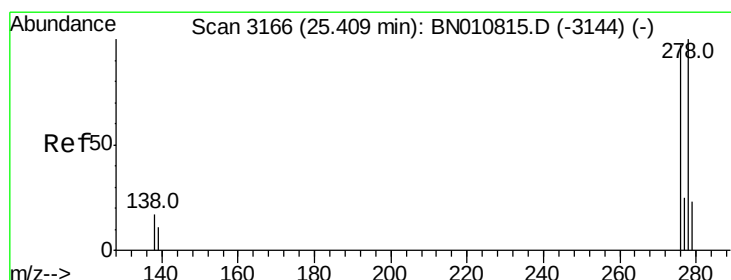
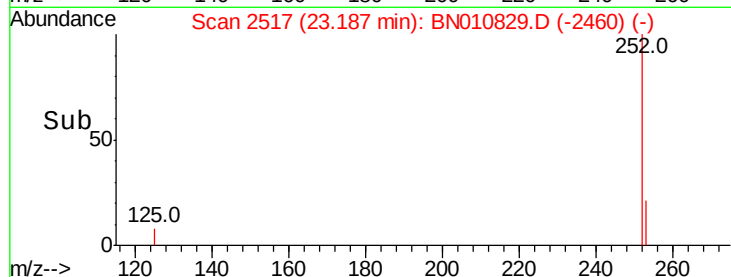
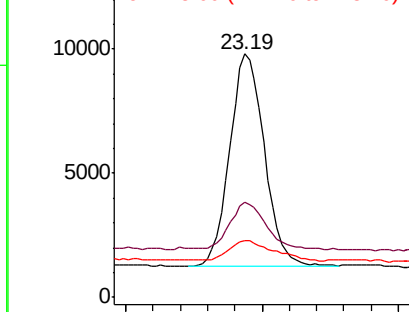
252 100

253 39.3 25.8 38.8#

125 23.1 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: 0.297 ng

RT: 25.41 min Scan# 3166

Delta R.T. 0.00 min

Lab File: BN010829.D

Acq: 10 Jun 2020 22:15

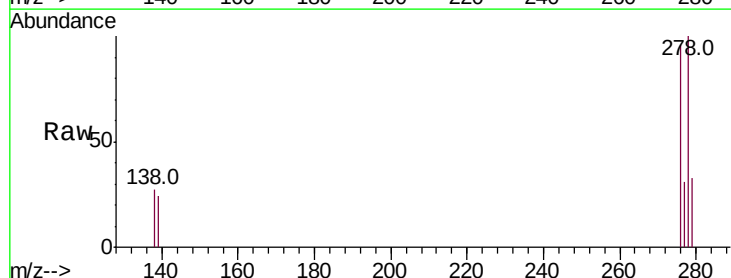
Tgt Ion:278 Resp: 14290

Ion Ratio Lower Upper

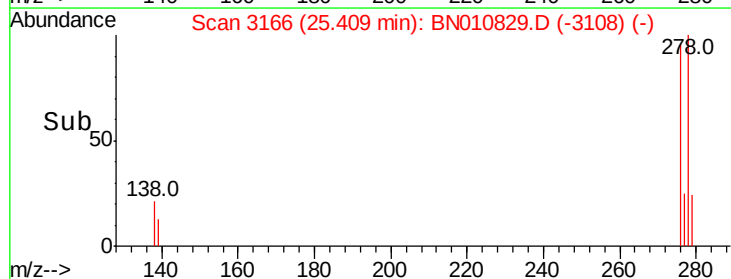
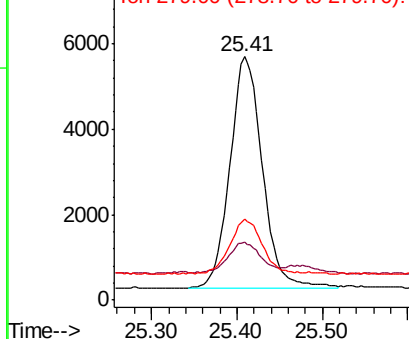
278 100

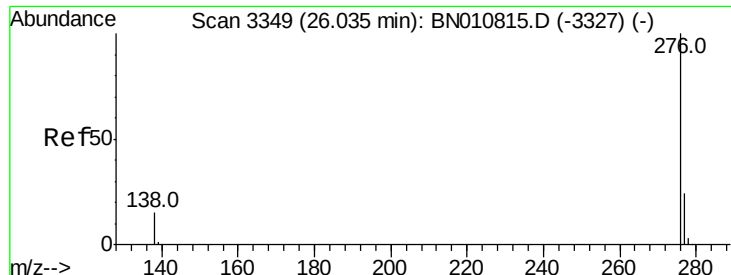
139 23.8 10.6 15.8#

279 33.4 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: 0.300 ng

RT: 26.04 min Scan# 3350

Delta R.T. 0.00 min

Lab File: BN010829.D

Acq: 10 Jun 2020 22:15

Instrument :

BNA_N

ClientSampleId :

VE-4-11MS

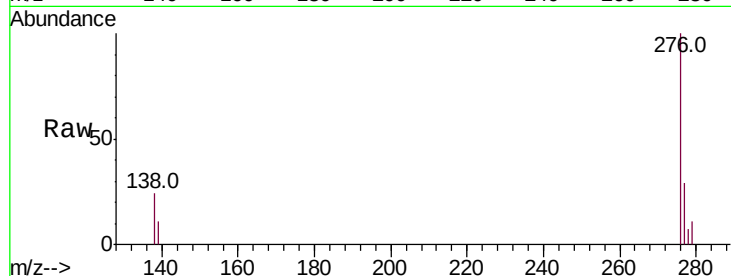
Tot Ion:276 Resp: 15038

Ion Ratio Lower Upper

276 100

277 29.0 20.5 30.7

138 23.6 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

