

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031920\
 Data File : BN010294.D
 Acq On : 19 Mar 2020 18:38
 Operator : CG/JU
 Sample : PB127689BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 20 01:24:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 19 15:26:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	4119	0.40	ng	0.00
7) Naphthalene-d8	10.38	136	13962	0.40	ng	0.00
13) Acenaphthene-d10	14.25	164	8370	0.40	ng	0.00
19) Phenanthrene-d10	16.99	188	19820	0.40	ng	0.00
27) Chrysene-d12	21.19	240	22104	0.40	ng	0.00
34) Perylene-d12	23.36	264	24064	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.25	112	3297	0.40	ng	0.00
5) Phenol-d6	6.80	99	4098	0.40	ng	0.00
8) Nitrobenzene-d5	8.74	82	3561	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	11.97	152	8746	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.73	330	1159	0.36	ng	0.00
15) 2-Fluorobiphenyl	12.86	172	13364	0.42	ng	0.00
25) Fluoranthene-d10	19.02	212	22691	0.38	ng	0.00
29) Terphenyl-d14	19.63	244	18963	0.40	ng	0.00

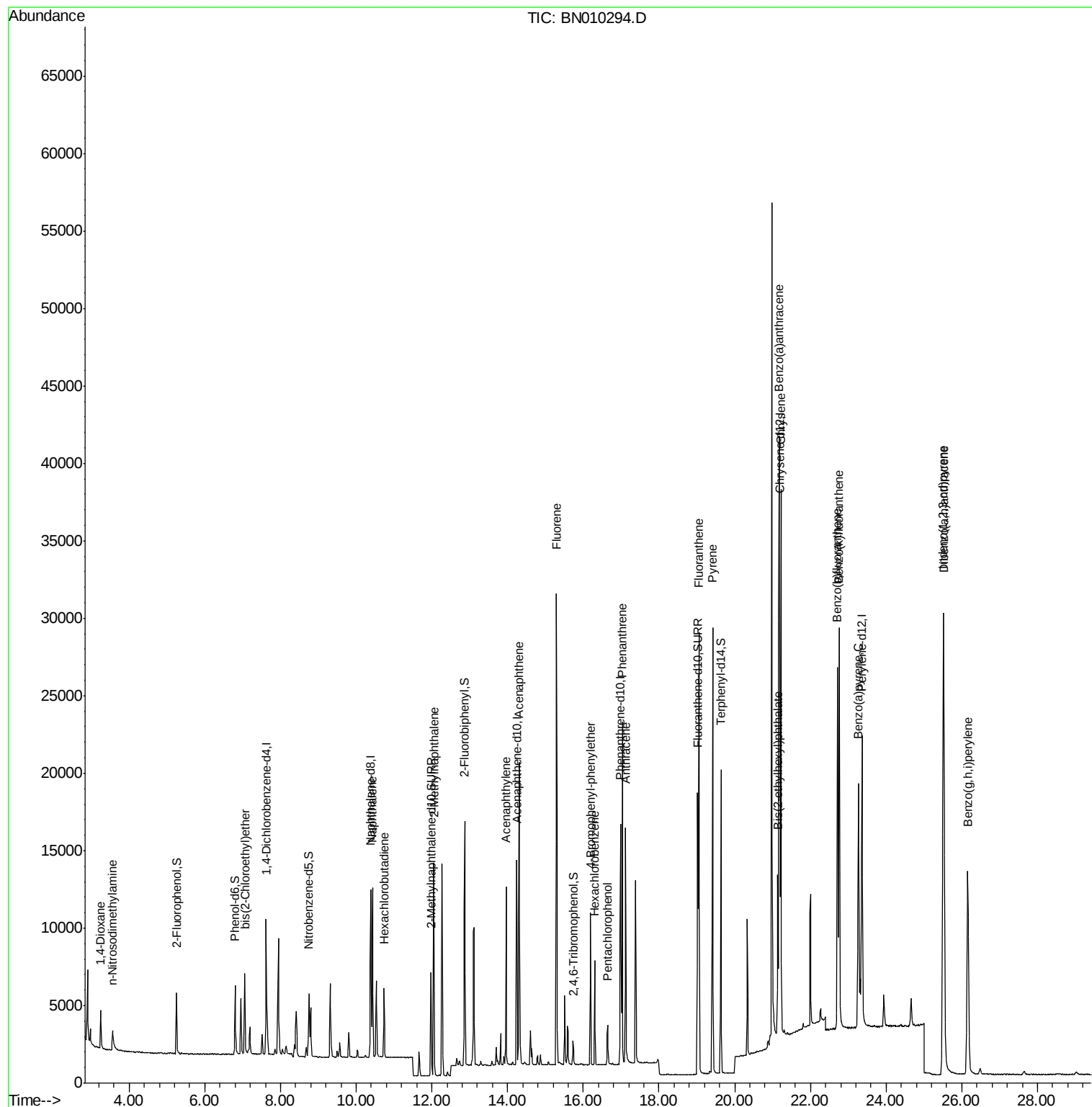
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.25	88	1586	0.410	ng	99
3) n-Nitrosodimethylamine	3.55	42	1228	0.376	ng	# 98
6) bis(2-Chloroethyl)ether	7.06	93	4163	0.427	ng	96
9) Naphthalene	10.43	128	14107	0.405	ng	99
10) Hexachlorobutadiene	10.73	225	3497	0.414	ng	# 98
12) 2-Methylnaphthalene	12.05	142	9723	0.403	ng	98
16) Acenaphthylene	13.96	152	12503	0.381	ng	99
17) Acenaphthene	14.30	154	9412	0.402	ng	100
18) Fluorene	15.29	166	12216	0.393	ng	99
20) 4-Bromophenyl-phenylether	16.19	248	4751	0.395	ng	97
21) Hexachlorobenzene	16.31	284	5120	0.415	ng	98
22) Pentachlorophenol	16.65	266	1379	0.326	ng	96
23) Phenanthrene	17.03	178	21753	0.399	ng	100
24) Anthracene	17.11	178	17553	0.377	ng	100
26) Fluoranthene	19.05	202	26159	0.392	ng	100
28) Pyrene	19.42	202	26359	0.383	ng	100
30) Benzo(a)anthracene	21.17	228	27817	0.395	ng	99
31) Chrysene	21.22	228	30529	0.404	ng	97
32) Bis(2-ethylhexyl)phthalate	21.13	149	8872	0.373	ng	99
33) Indeno(1,2,3-cd)pyrene	25.51	276	36693	0.454	ng	100
35) Benzo(b)fluoranthene	22.71	252	28657	0.350	ng	100
36) Benzo(k)fluoranthene	22.76	252	31385	0.377	ng	99
37) Benzo(a)pyrene	23.27	252	25192	0.365	ng	100
38) Dibenzo(a,h)anthracene	25.52	278	30082	0.403	ng	99
39) Benzo(g,h,i)perylene	26.16	276	27820	0.371	ng	99

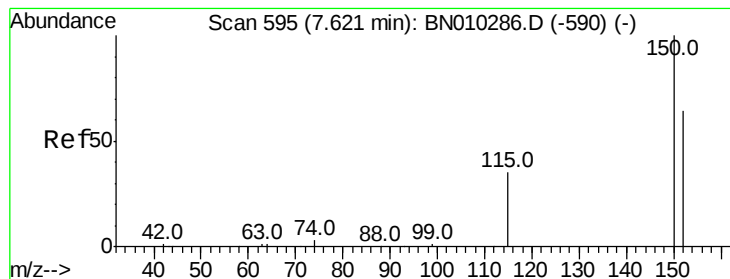
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.62 min Scan# 595

Delta R.T. -0.00 min

Lab File: BN010294.D

Acq: 19 Mar 2020 18:38

Instrument :

BNA_N

ClientSampled :

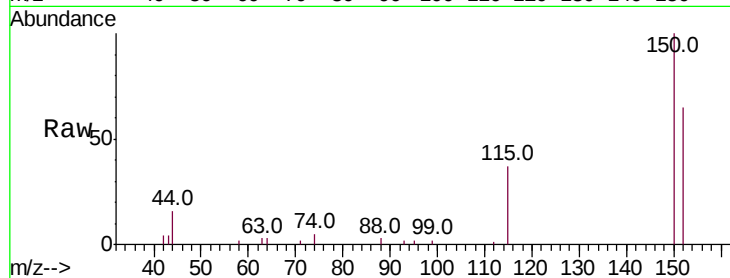
Tot Ion:152 Resp: 4119

Ion Ratio Lower Upper

152 100

150 154.4 123.1 184.7

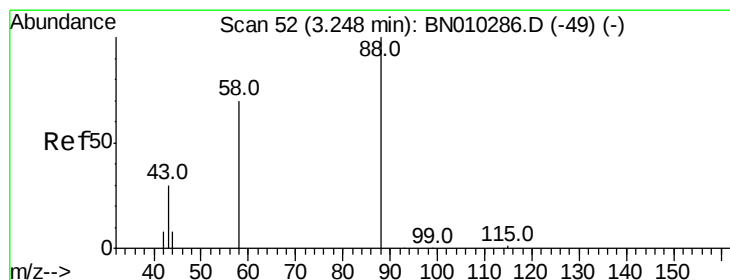
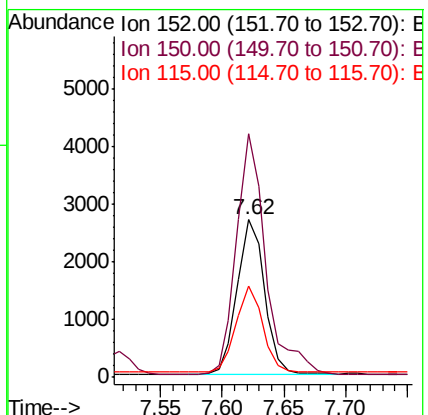
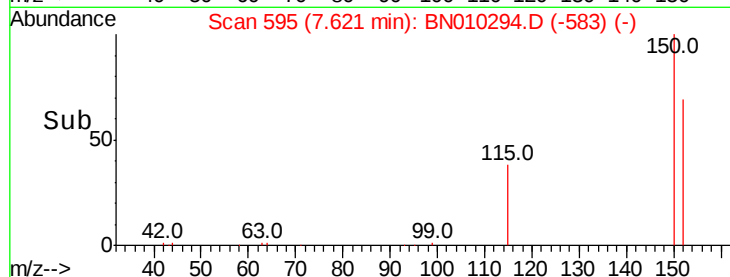
115 57.5 45.2 67.8



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: 0.410 ng

RT: 3.25 min Scan# 52

Delta R.T. -0.00 min

Lab File: BN010294.D

Acq: 19 Mar 2020 18:38

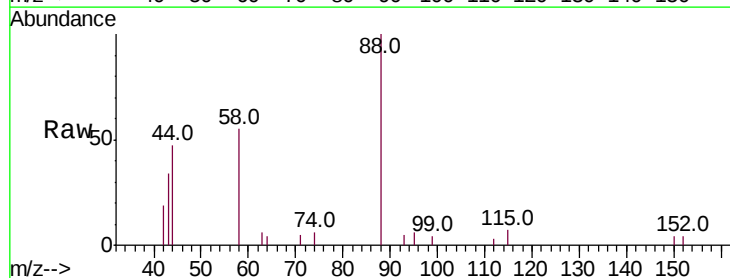
Tgt Ion: 88 Resp: 1586

Ion Ratio Lower Upper

88 100

58 65.6 51.7 77.5

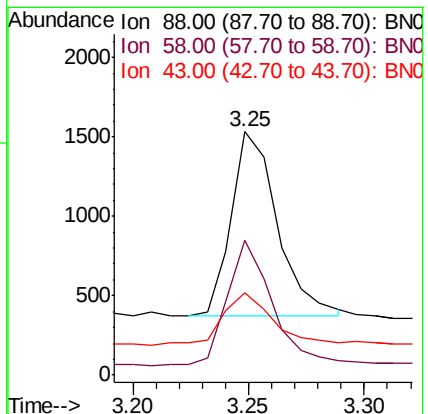
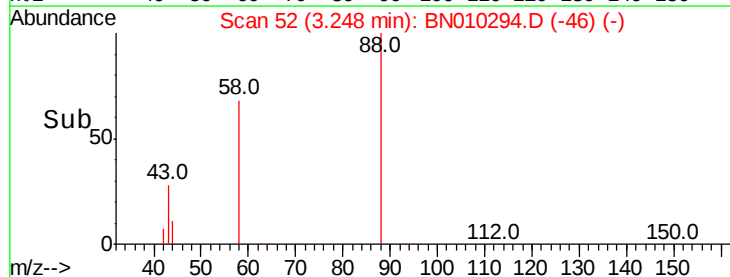
43 27.0 21.2 31.8

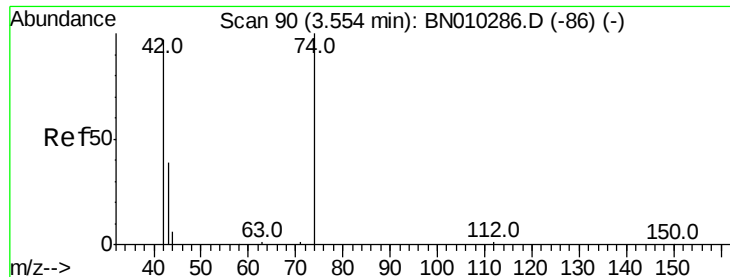


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.376 ng

RT: 3.55 min Scan# 90

Delta R.T. -0.00 min

Lab File: BN010294.D

Acq: 19 Mar 2020 18:38

Instrument :

BNA_N

ClientSampleId :

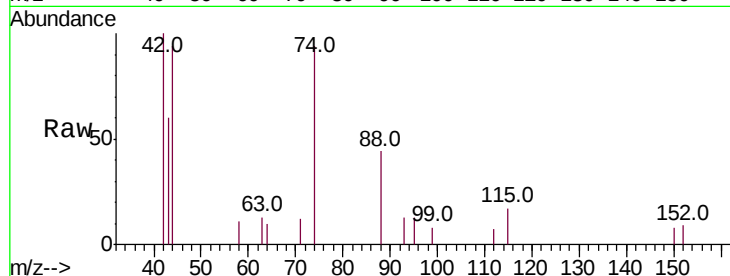
Tot Ion: 42 Resp: 1228

Ion Ratio Lower Upper

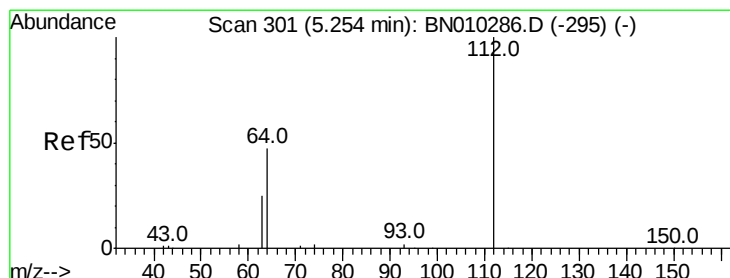
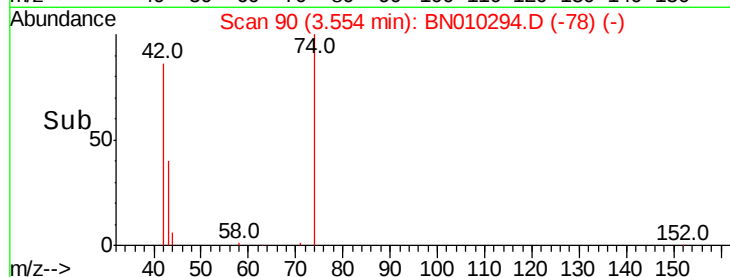
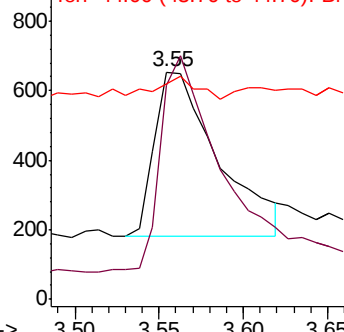
42 100

74 126.4 99.4 149.0

44 10.3 4.8 7.2#



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: 0.404 ng

RT: 5.25 min Scan# 301

Delta R.T. -0.00 min

Lab File: BN010294.D

Acq: 19 Mar 2020 18:38

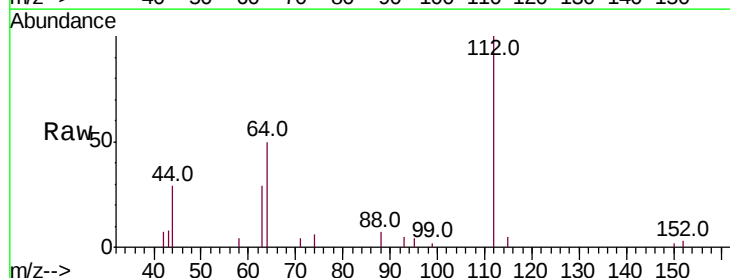
Tgt Ion: 112 Resp: 3297

Ion Ratio Lower Upper

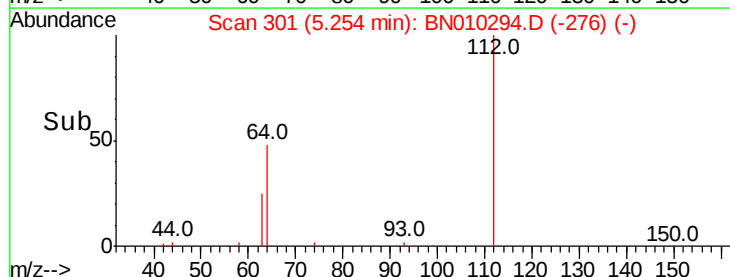
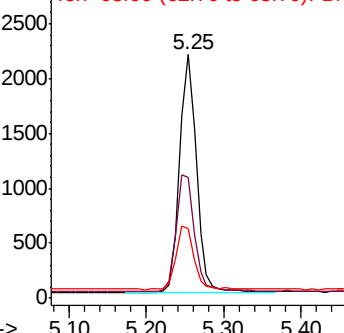
112 100

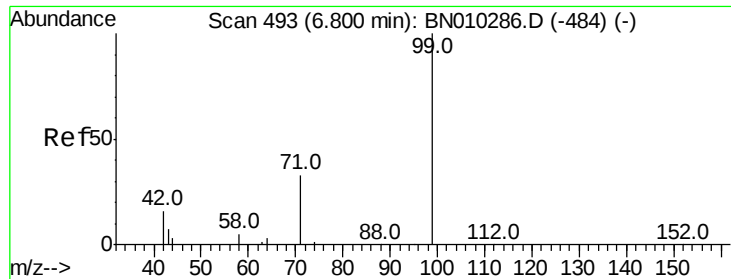
64 52.2 41.4 62.2

63 28.1 22.9 34.3



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: 0.404 ng

RT: 6.80 min Scan# 493

Delta R.T. -0.00 min

Lab File: BN010294.D

Acq: 19 Mar 2020 18:38

Instrument :

BNA_N

ClientSampleId :

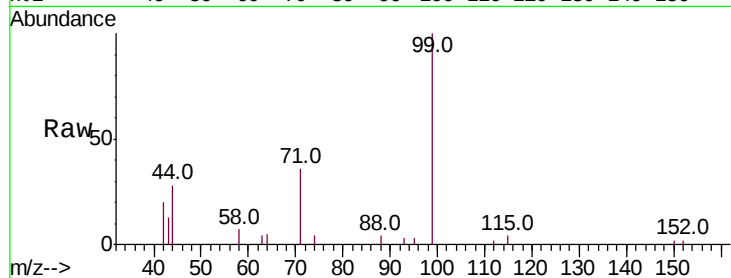
Tot Ion: 99 Resp: 4098

Ion Ratio Lower Upper

99 100

42 20.0 14.8 22.2

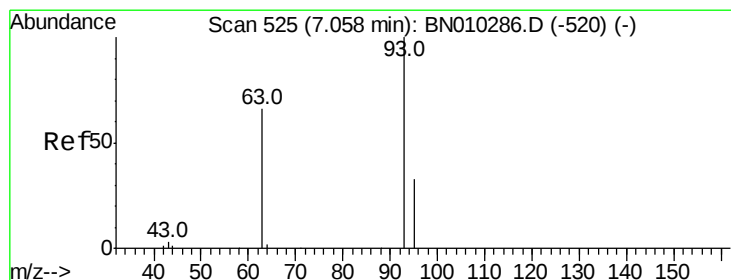
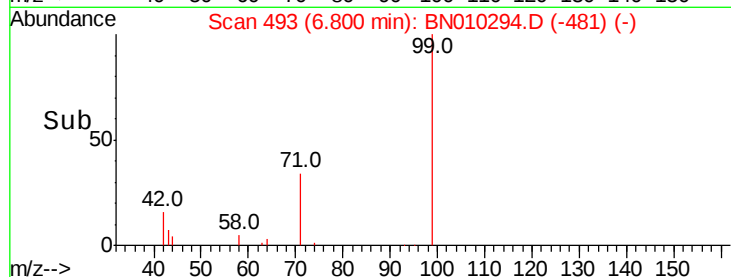
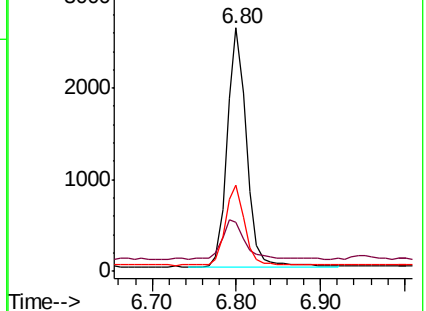
71 33.8 27.3 40.9



Abundance Ion 99.00 (98.70 to 99.70): BN010286.D (-484) (-)

Ion 42.00 (41.70 to 42.70): BN010286.D (-484) (-)

Ion 71.00 (70.70 to 71.70): BN010286.D (-484) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.427 ng

RT: 7.06 min Scan# 525

Delta R.T. -0.00 min

Lab File: BN010294.D

Acq: 19 Mar 2020 18:38

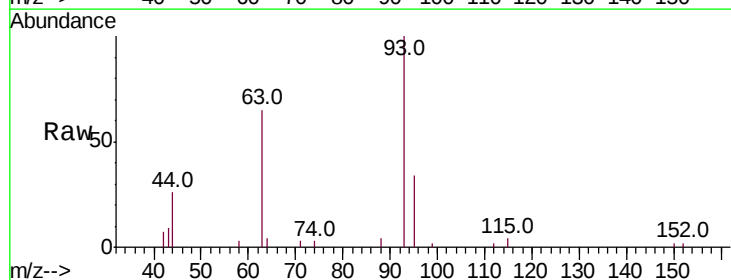
Tgt Ion: 93 Resp: 4163

Ion Ratio Lower Upper

93 100

63 66.3 55.6 83.4

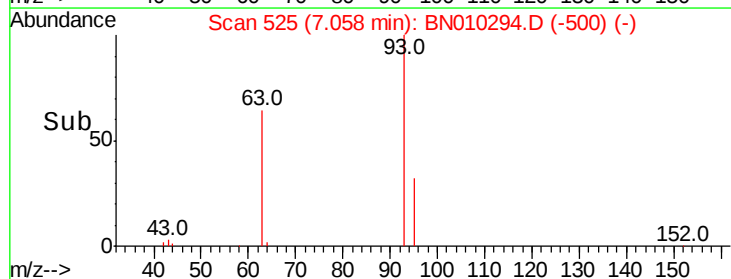
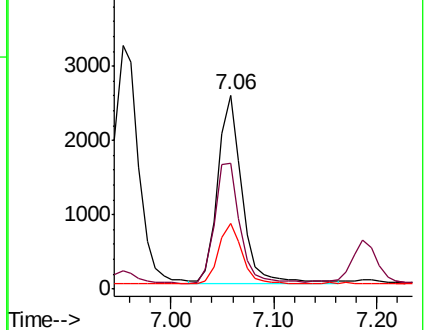
95 31.2 26.2 39.4

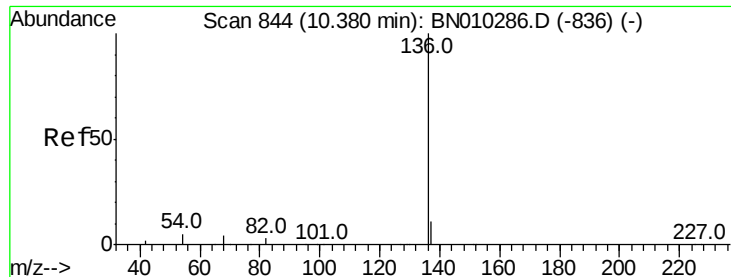


Abundance Ion 93.00 (92.70 to 93.70): BN010286.D (-520) (-)

Ion 63.00 (62.70 to 63.70): BN010286.D (-520) (-)

Ion 95.00 (94.70 to 95.70): BN010286.D (-520) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.38 min Scan# 844

Delta R.T. -0.00 min

Lab File: BN010294.D

Acq: 19 Mar 2020 18:38

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 13962

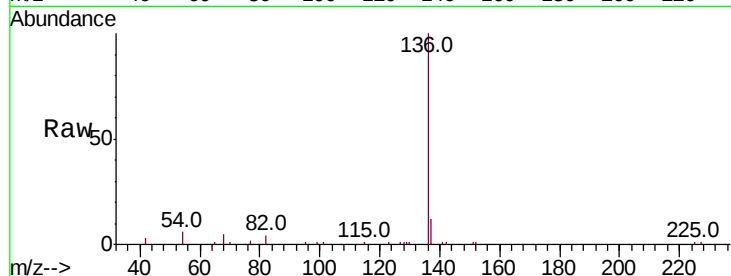
Ion Ratio Lower Upper

136 100

137 11.6 9.3 13.9

54 6.1 4.8 7.2

68 5.2 4.1 6.1

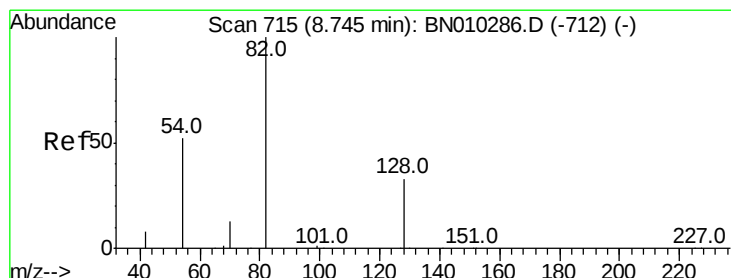
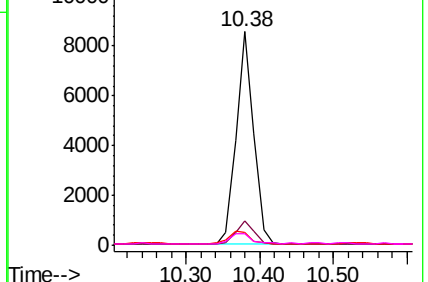
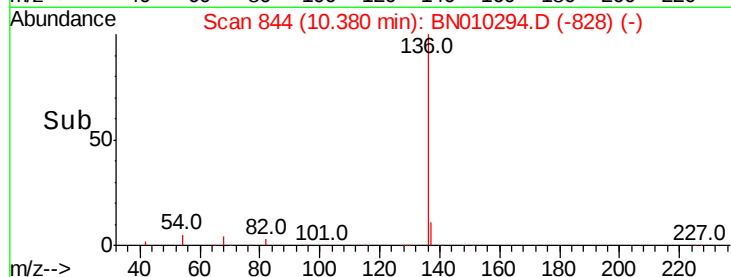


Abundance Ion 136.00 (135.70 to 136.70): E

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: 8.74 min Scan# 715

Delta R.T. -0.00 min

Lab File: BN010294.D

Acq: 19 Mar 2020 18:38

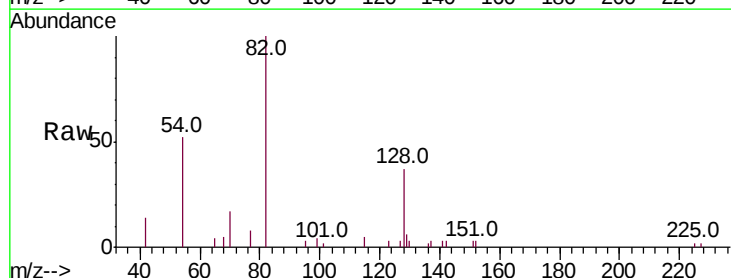
Tgt Ion: 82 Resp: 3561

Ion Ratio Lower Upper

82 100

128 36.8 28.8 43.2

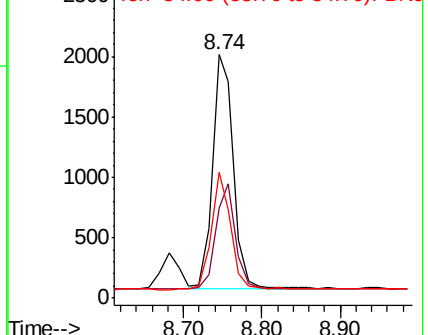
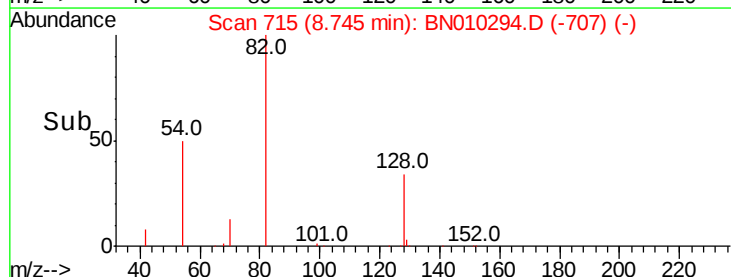
54 51.6 42.1 63.1

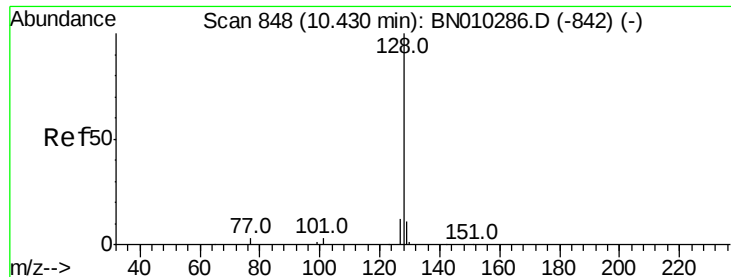


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.405 ng

RT: 10.43 min Scan# 848

Delta R.T. -0.00 min

Lab File: BN010294.D

Acq: 19 Mar 2020 18:38

Instrument :

BNA_N

ClientSampled :

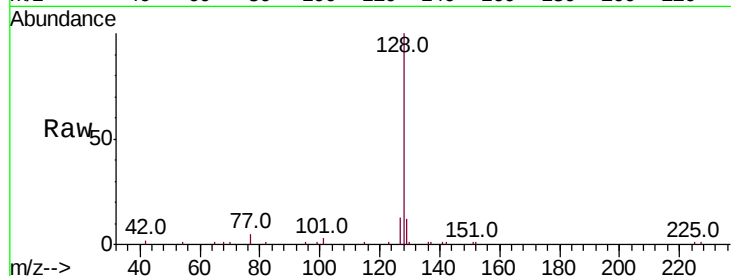
Tot Ion:128 Resp: 14107

Ion Ratio Lower Upper

128 100

129 11.7 9.1 13.7

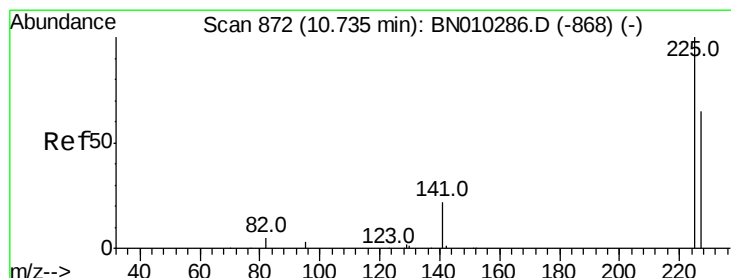
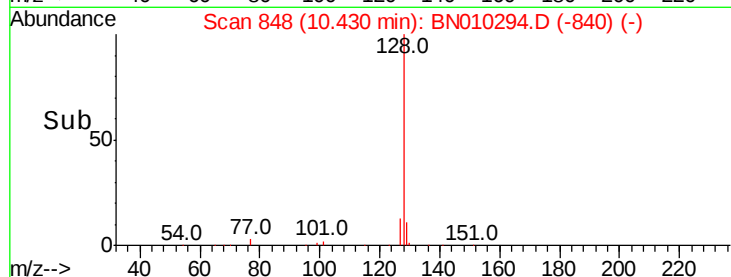
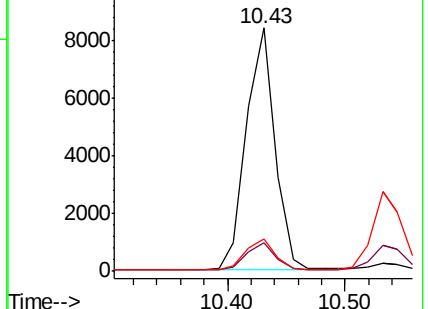
127 13.4 10.4 15.6



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: 0.414 ng

RT: 10.73 min Scan# 872

Delta R.T. -0.00 min

Lab File: BN010294.D

Acq: 19 Mar 2020 18:38

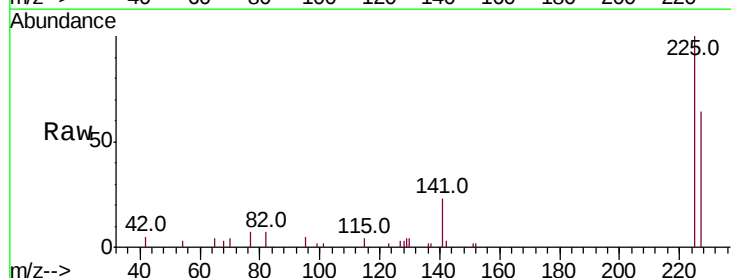
Tgt Ion:225 Resp: 3497

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

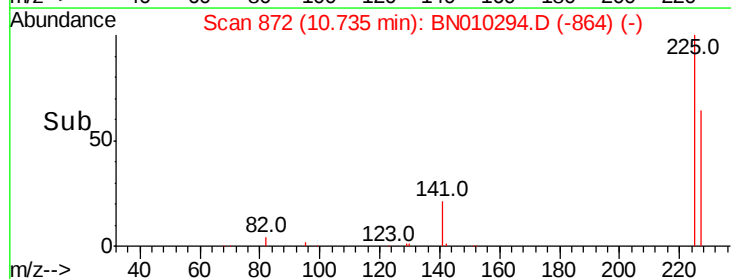
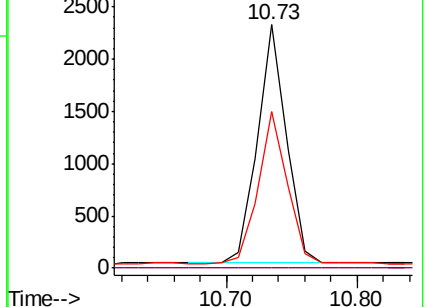
227 63.3 51.9 77.9

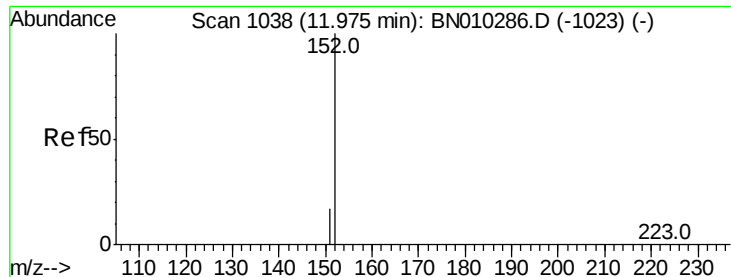


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

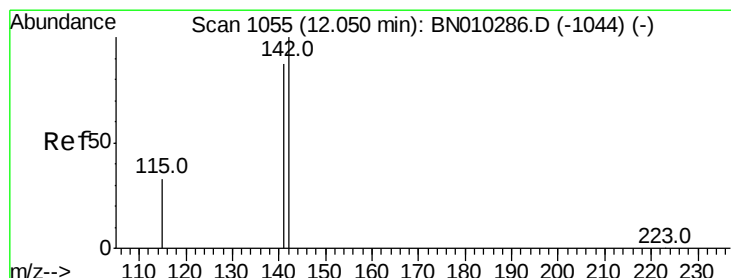
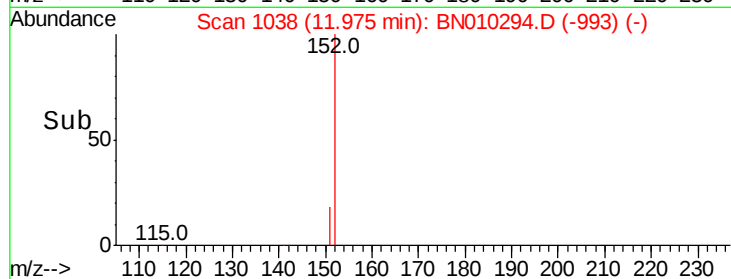
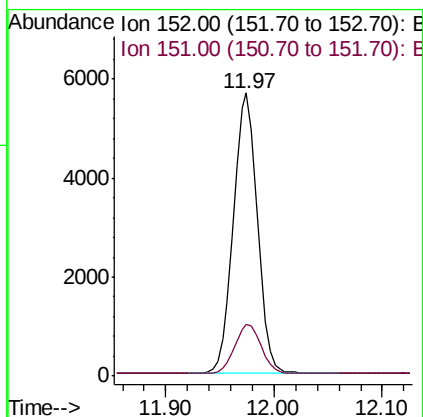
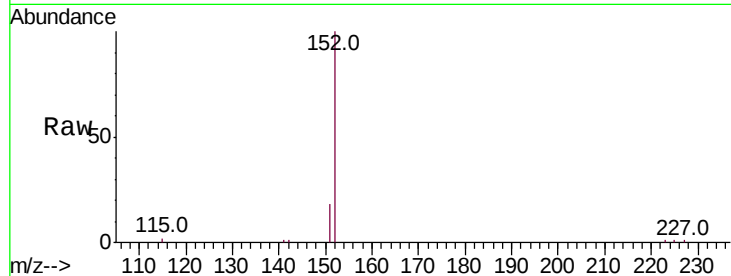




#11
2-Methylnaphthalene-d10
Concen: 0.392 ng
RT: 11.97 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BN010294.D
Acq: 19 Mar 2020 18:38

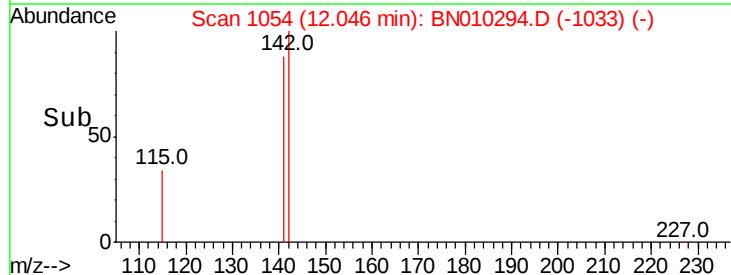
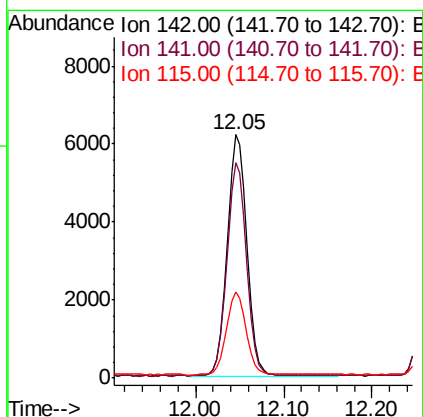
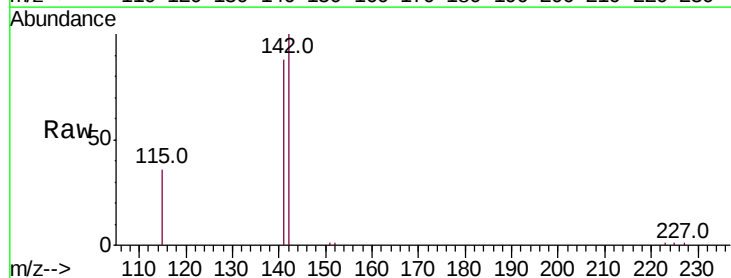
Instrument :
BNA_N
ClientSampleId :

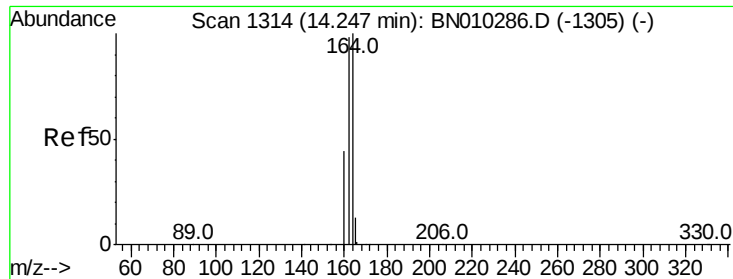
Tot Ion:152 Resp: 8746
Ion Ratio Lower Upper
152 100
151 19.4 15.4 23.2



#12
2-Methylnaphthalene
Concen: 0.403 ng
RT: 12.05 min Scan# 1054
Delta R.T. -0.00 min
Lab File: BN010294.D
Acq: 19 Mar 2020 18:38

Tgt Ion:142 Resp: 9723
Ion Ratio Lower Upper
142 100
141 88.3 69.5 104.3
115 35.5 27.5 41.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.25 min Scan# 1314

Delta R.T. -0.00 min

Lab File: BN010294.D

Acq: 19 Mar 2020 18:38

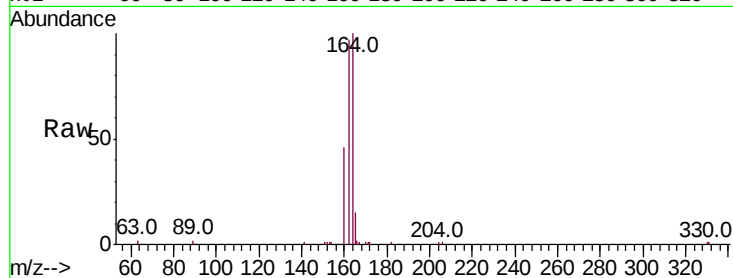
Instrument :

BNA_N

ClientSampleId :

Tot Ion:164 Resp: 8370

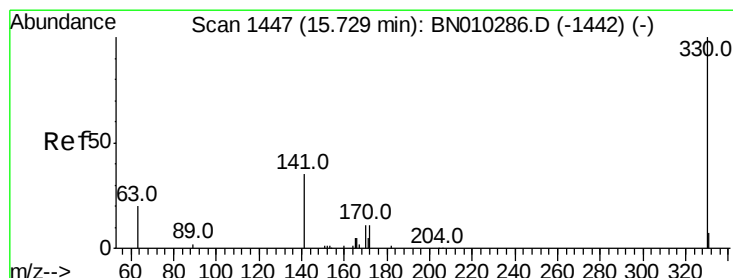
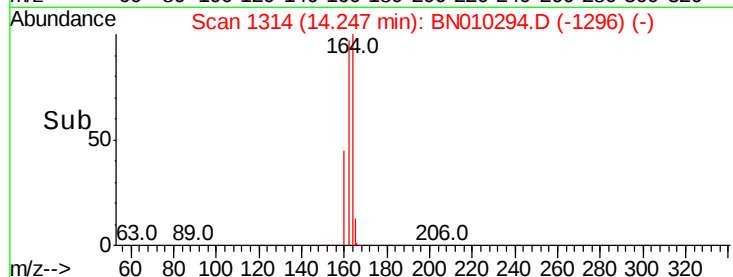
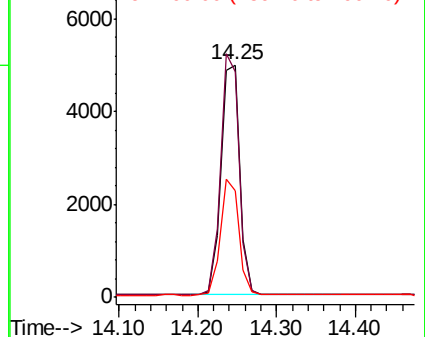
Ion	Ratio	Lower	Upper
164	100		
162	97.5	78.2	117.2
160	45.9	35.8	53.6



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: 0.360 ng

RT: 15.73 min Scan# 1447

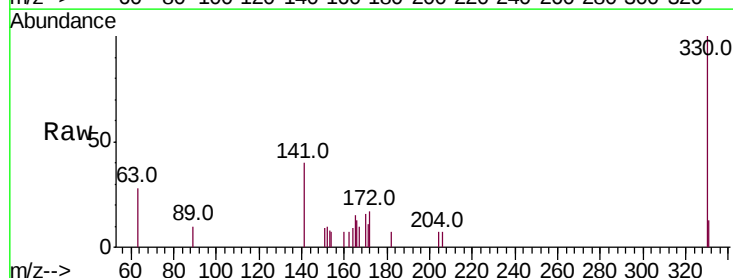
Delta R.T. -0.00 min

Lab File: BN010294.D

Acq: 19 Mar 2020 18:38

Tgt Ion:330 Resp: 1159

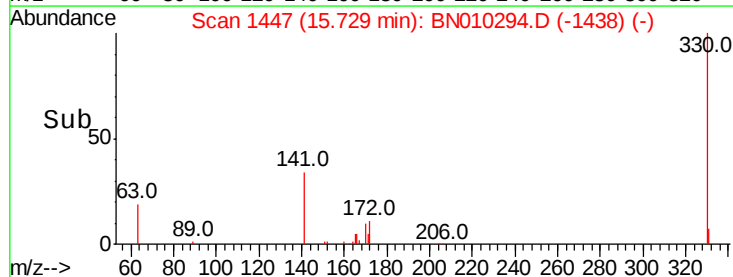
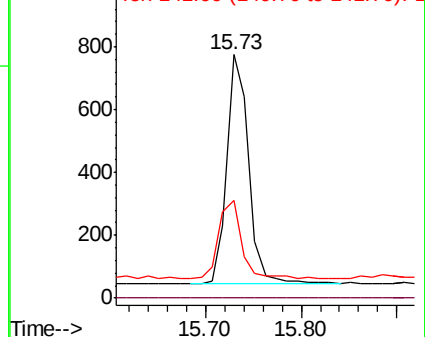
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	36.2	29.3	43.9

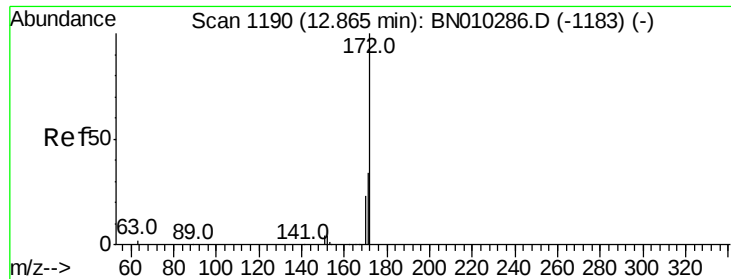


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

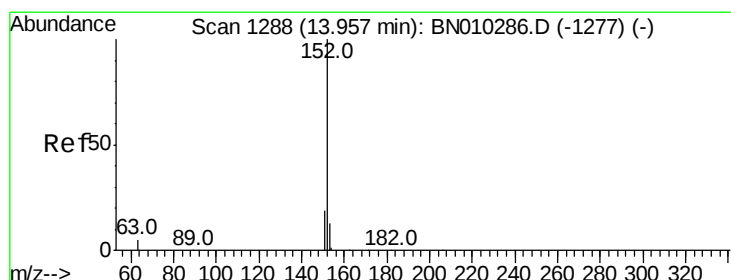
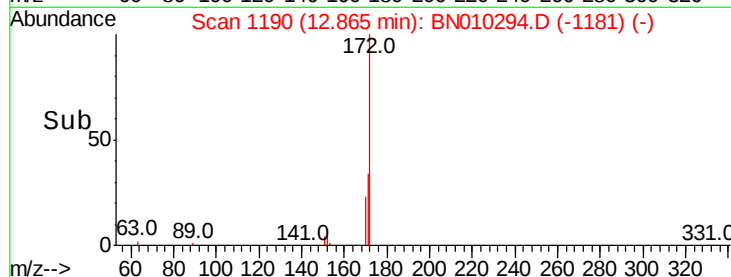
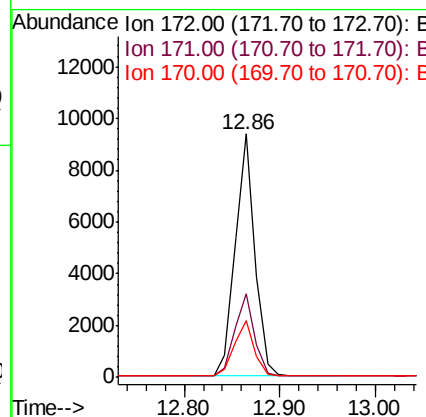
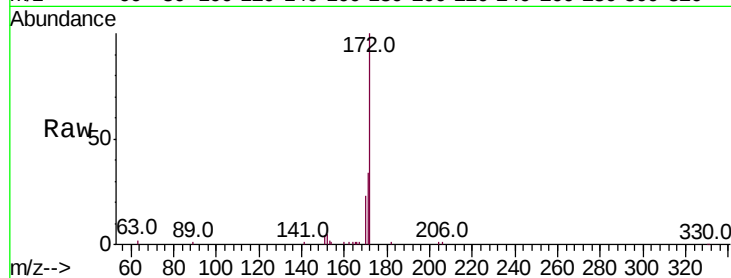




#15
2-Fluorobiphenyl
Concen: 0.417 ng
RT: 12.86 min Scan# 1190
Delta R.T. -0.00 min
Lab File: BN010294.D
Acq: 19 Mar 2020 18:38

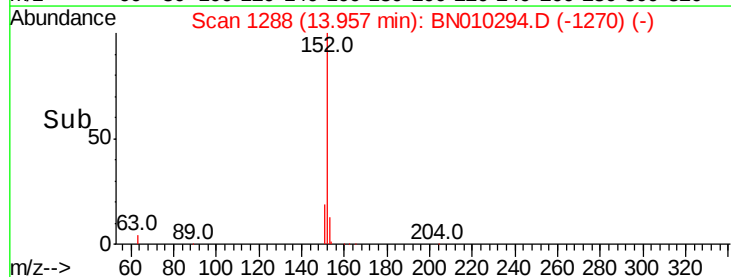
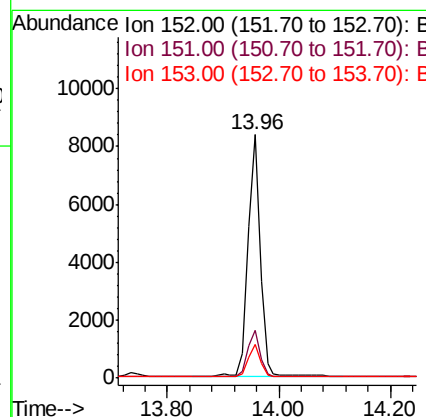
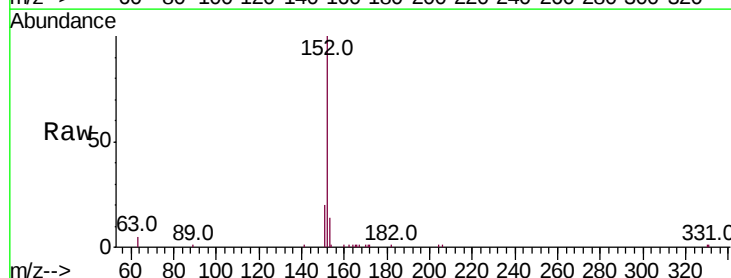
Instrument :
BNA_N
ClientSampleId :

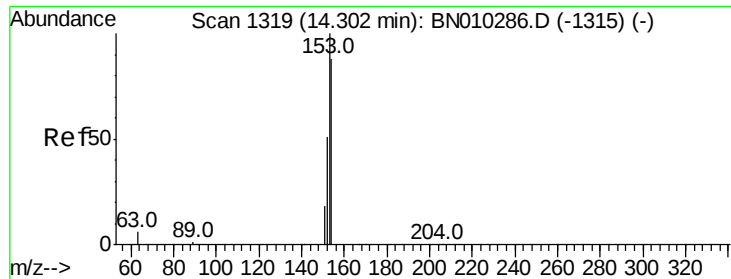
Tot Ion:172 Resp: 13364
Ion Ratio Lower Upper
172 100
171 34.2 27.6 41.4
170 23.3 18.5 27.7



#16
Acenaphthylene
Concen: 0.381 ng
RT: 13.96 min Scan# 1288
Delta R.T. -0.00 min
Lab File: BN010294.D
Acq: 19 Mar 2020 18:38

Tgt Ion:152 Resp: 12503
Ion Ratio Lower Upper
152 100
151 19.3 15.6 23.4
153 12.8 10.6 15.8





#17

Acenaphthene

Concen: 0.402 ng

RT: 14.30 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BN010294.D

Acq: 19 Mar 2020 18:38

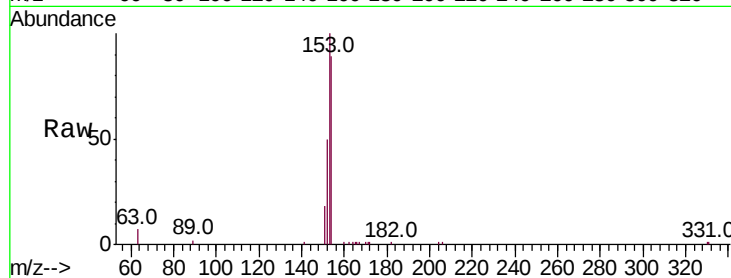
Instrument :

BNA_N

ClientSampleId :

Tot Ion:154 Resp: 9412

Ion	Ratio	Lower	Upper
154	100		
153	110.4	88.1	132.1
152	56.9	45.5	68.3

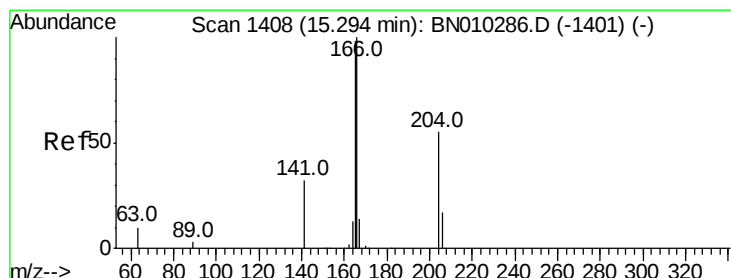
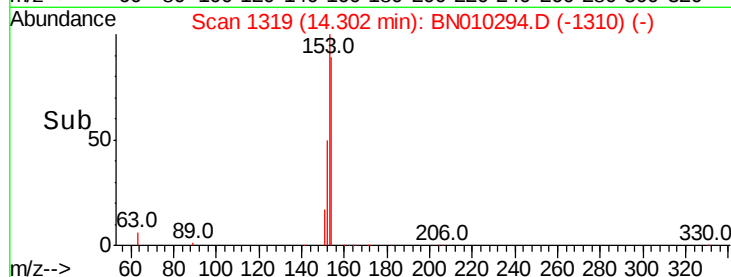
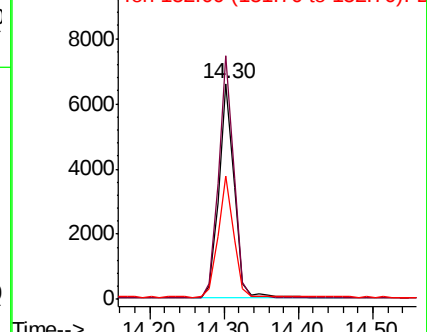


Abundance

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: 0.393 ng

RT: 15.29 min Scan# 1408

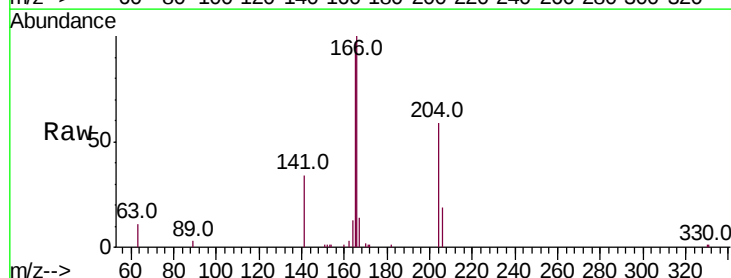
Delta R.T. -0.00 min

Lab File: BN010294.D

Acq: 19 Mar 2020 18:38

Tgt Ion:166 Resp: 12216

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.7	118.1
167	13.6	11.0	16.4

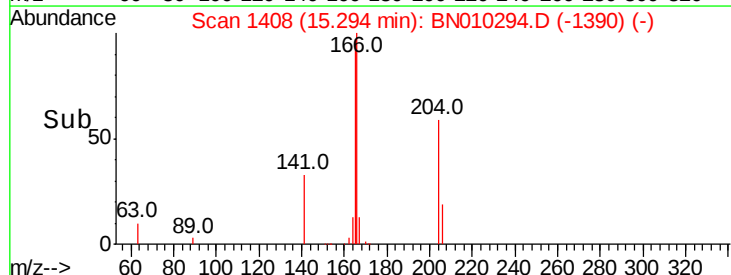
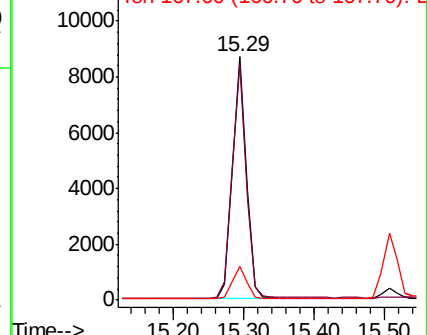


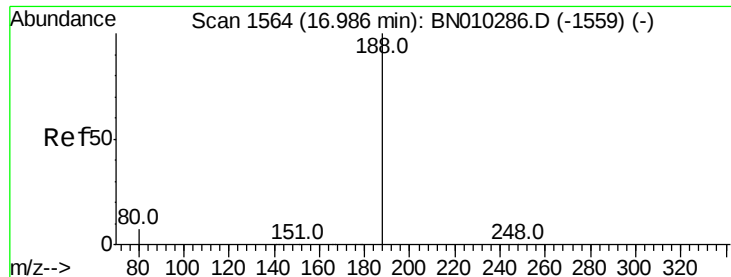
Abundance

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: 16.99 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BN010294.D

Acq: 19 Mar 2020 18:38

Instrument :

BNA_N

ClientSampleId :

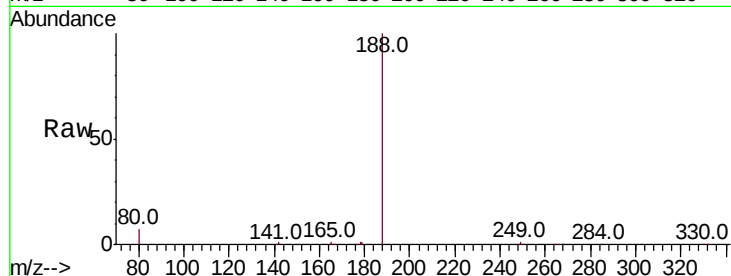
Tot Ion:188 Resp: 19820

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

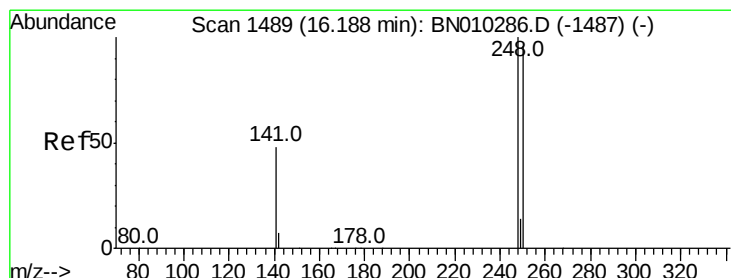
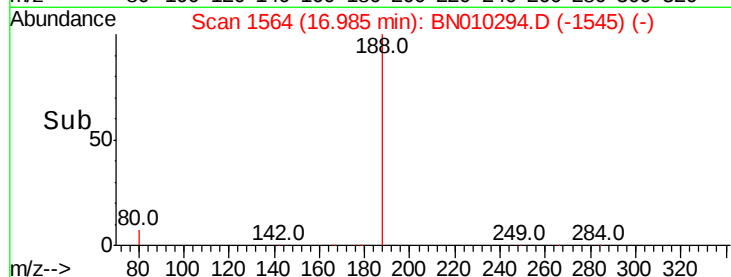
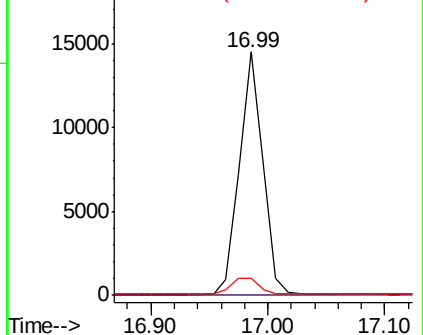
80 7.2 6.0 9.0



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: 0.395 ng

RT: 16.19 min Scan# 1489

Delta R.T. -0.00 min

Lab File: BN010294.D

Acq: 19 Mar 2020 18:38

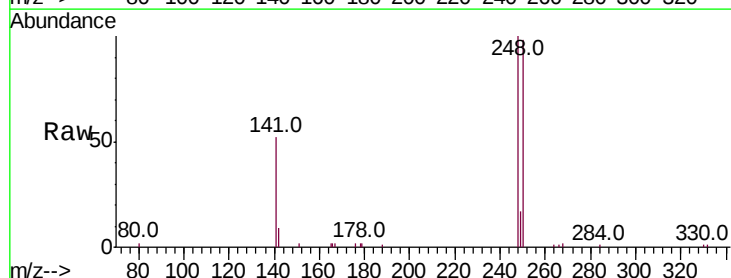
Tgt Ion:248 Resp: 4751

Ion Ratio Lower Upper

248 100

250 97.6 76.8 115.2

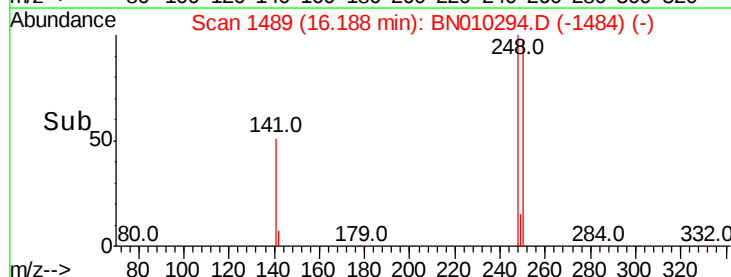
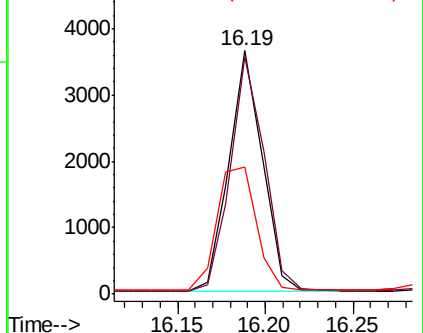
141 52.3 44.4 66.6

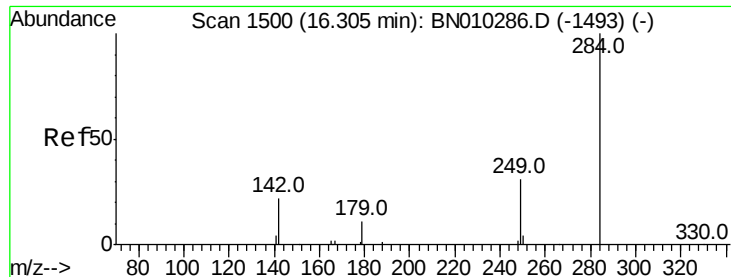


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

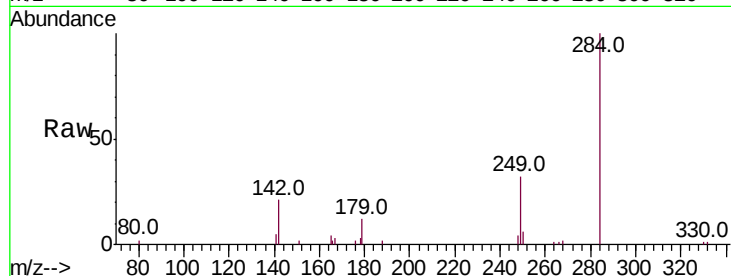




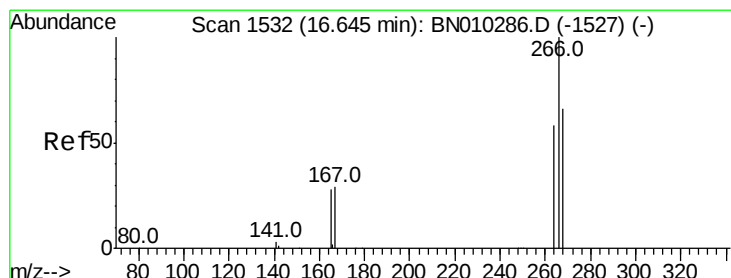
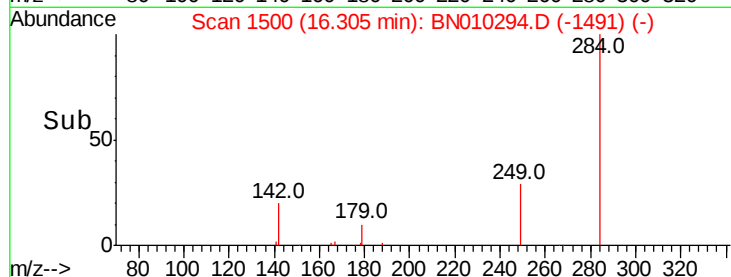
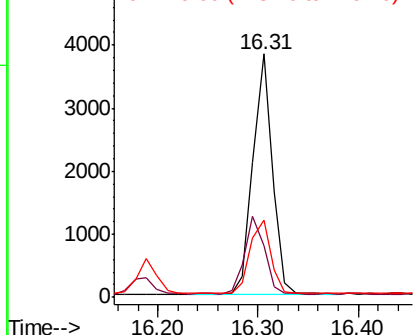
#21
Hexachlorobenzene
Concen: 0.415 ng
RT: 16.31 min Scan# 1500
Delta R.T. -0.00 min
Lab File: BN010294.D
Acq: 19 Mar 2020 18:38

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
284	100		
142	33.2	27.4	41.2
249	32.4	26.5	39.7

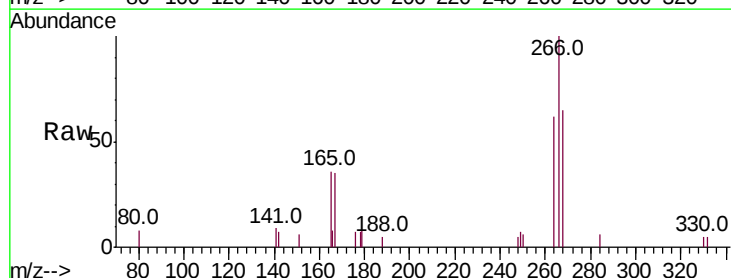


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

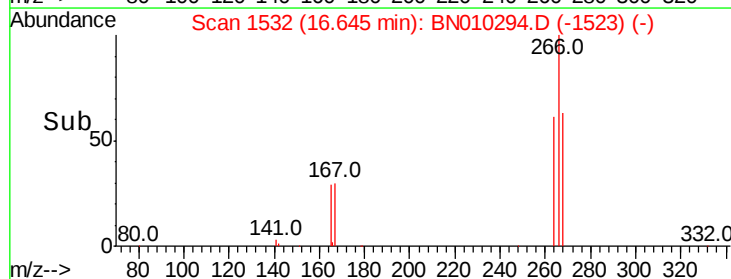
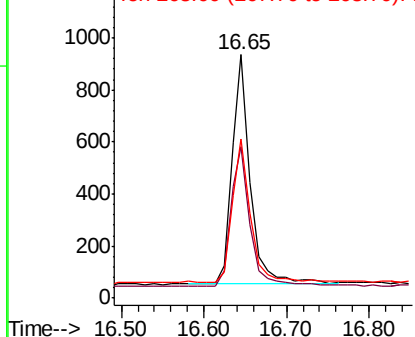


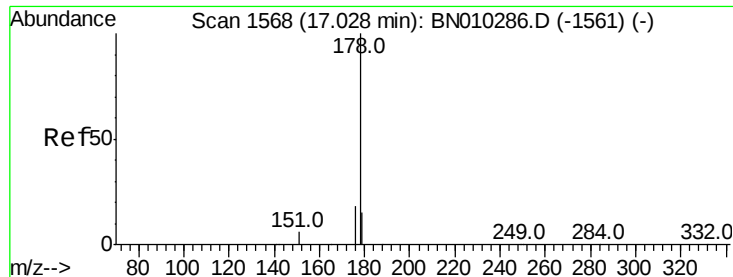
#22
Pentachlorophenol
Concen: 0.326 ng
RT: 16.65 min Scan# 1532
Delta R.T. -0.00 min
Lab File: BN010294.D
Acq: 19 Mar 2020 18:38

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.4	47.7	71.5
268	65.5	54.9	82.3



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.399 ng

RT: 17.03 min Scan# 1568

Delta R.T. -0.00 min

Lab File: BN010294.D

Acq: 19 Mar 2020 18:38

Instrument :

BNA_N

ClientSampleId :

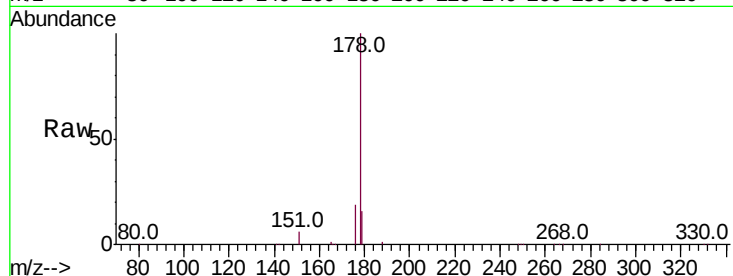
Tot Ion:178 Resp: 21753

Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

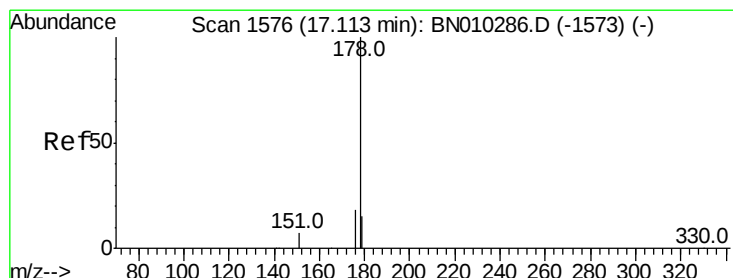
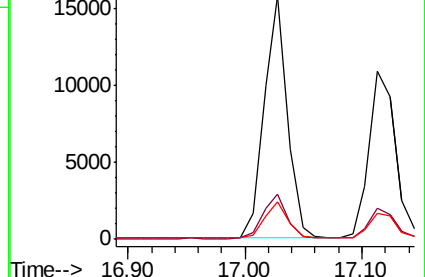
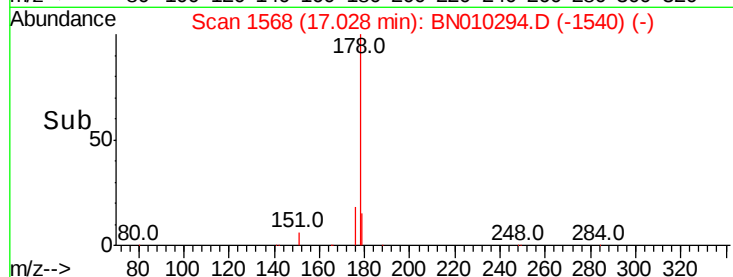
179 15.4 12.4 18.6



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: 0.377 ng

RT: 17.11 min Scan# 1576

Delta R.T. -0.00 min

Lab File: BN010294.D

Acq: 19 Mar 2020 18:38

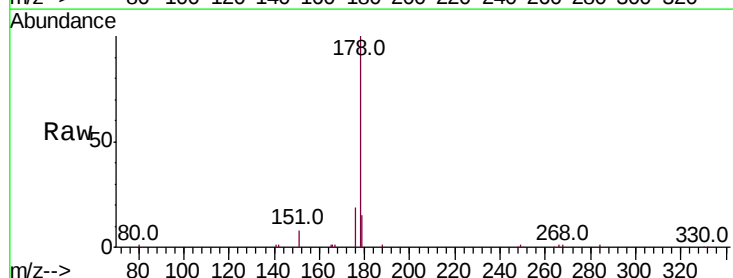
Tgt Ion:178 Resp: 17553

Ion Ratio Lower Upper

178 100

176 18.1 14.5 21.7

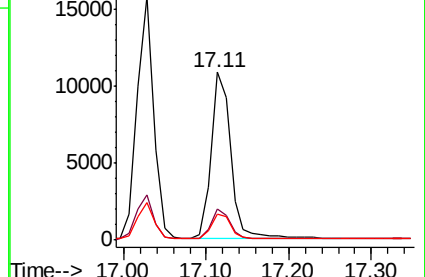
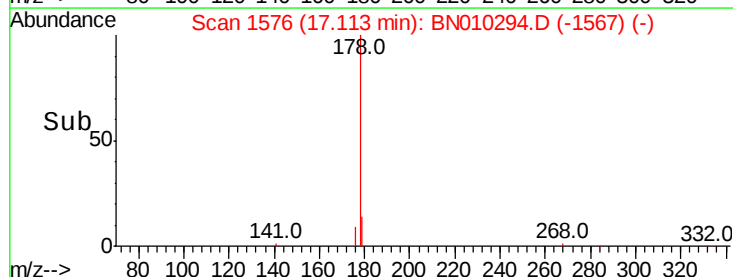
179 15.2 12.3 18.5

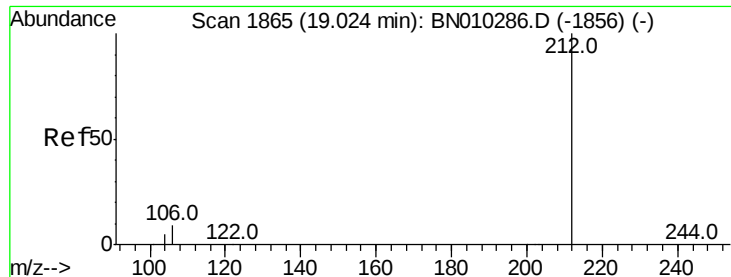


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.380 ng

RT: 19.02 min Scan# 1865

Delta R.T. -0.00 min

Lab File: BN010294.D

Acq: 19 Mar 2020 18:38

Instrument :

BNA_N

ClientSampleId :

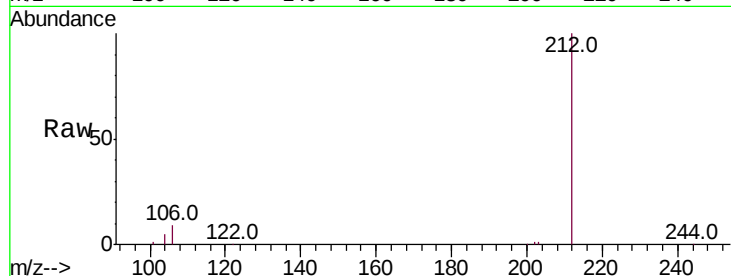
Tot Ion:212 Resp: 22691

Ion Ratio Lower Upper

212 100

106 9.3 7.4 11.2

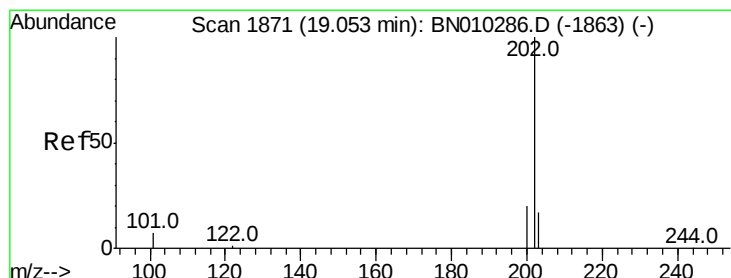
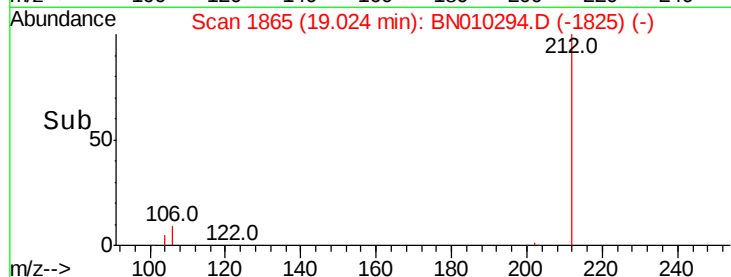
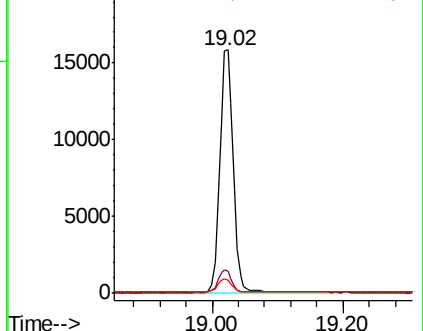
104 5.3 4.2 6.4



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: 0.392 ng

RT: 19.05 min Scan# 1871

Delta R.T. -0.00 min

Lab File: BN010294.D

Acq: 19 Mar 2020 18:38

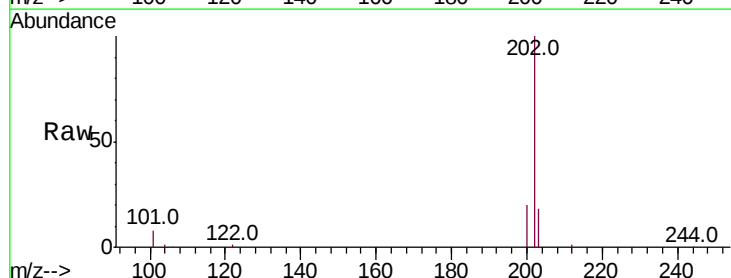
Tgt Ion:202 Resp: 26159

Ion Ratio Lower Upper

202 100

101 8.0 6.6 9.8

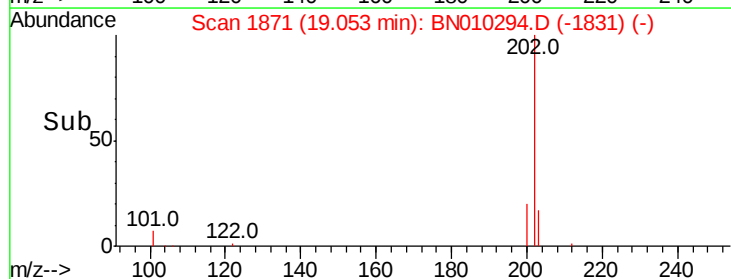
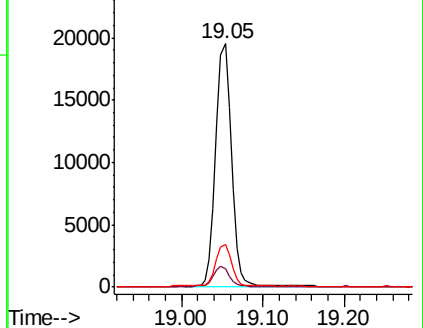
203 17.1 13.8 20.8

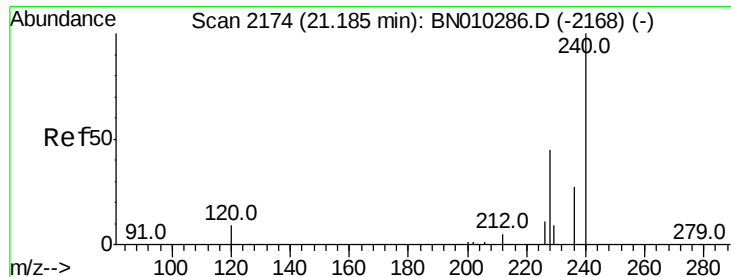


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

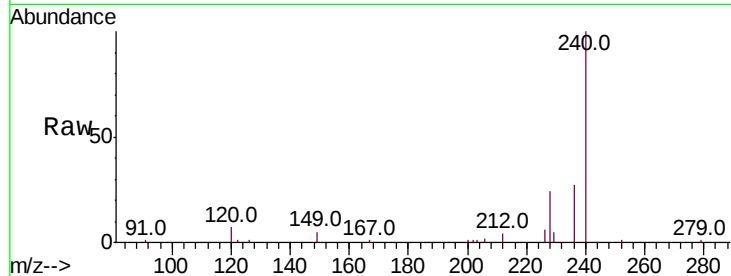




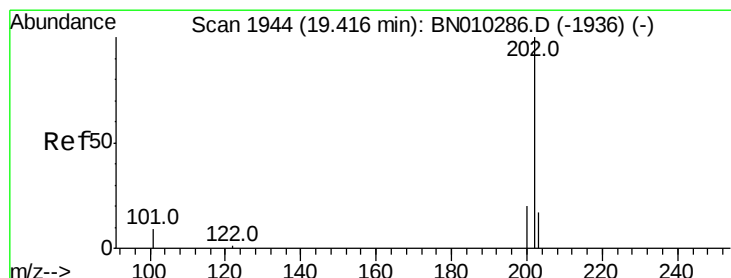
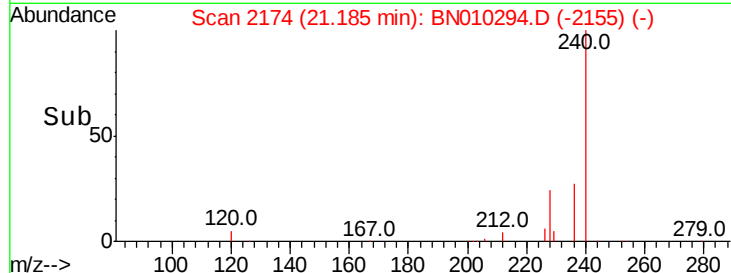
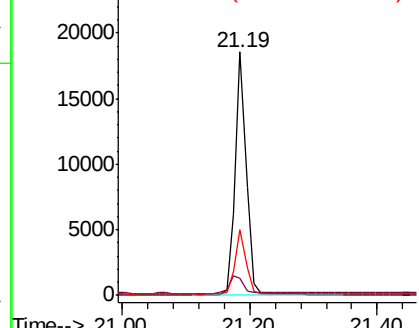
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.19 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BN010294.D
Acq: 19 Mar 2020 18:38

Instrument :
BNA_N
ClientSampleId :

Tot Ion:240 Resp: 22104
Ion Ratio Lower Upper
240 100
120 7.1 7.9 11.9#
236 27.0 22.2 33.4

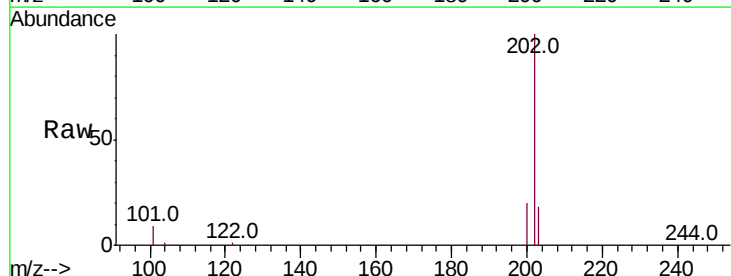


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

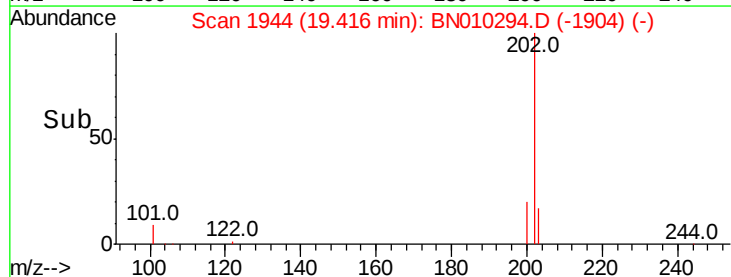
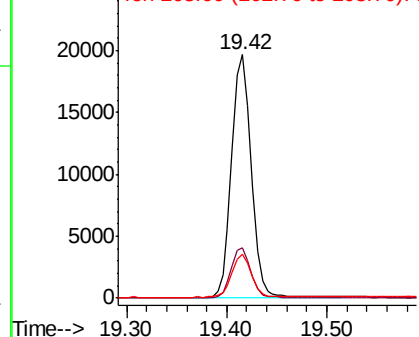


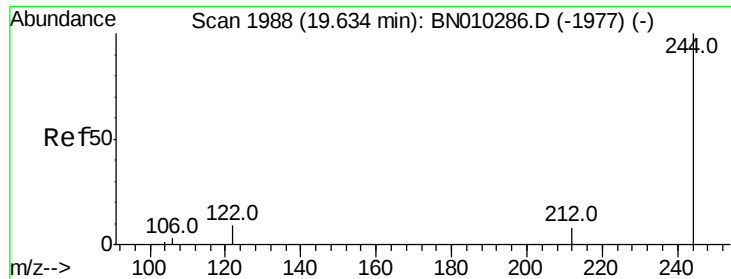
#28
Pyrene
Concen: 0.383 ng
RT: 19.42 min Scan# 1944
Delta R.T. -0.00 min
Lab File: BN010294.D
Acq: 19 Mar 2020 18:38

Tgt Ion:202 Resp: 26359
Ion Ratio Lower Upper
202 100
200 20.3 16.2 24.4
203 17.4 14.2 21.2



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: 0.397 ng

RT: 19.63 min Scan# 1988

Delta R.T. -0.00 min

Lab File: BN010294.D

Acq: 19 Mar 2020 18:38

Instrument :

BNA_N

ClientSampleId :

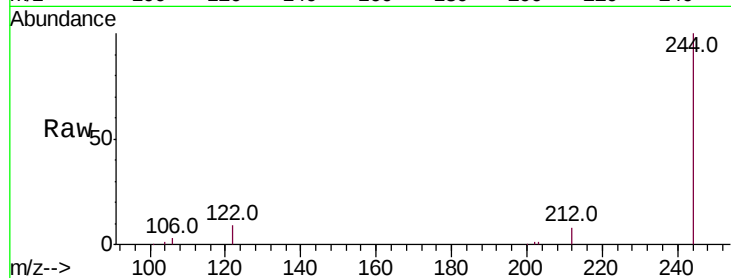
Tot Ion:244 Resp: 18963

Ion Ratio Lower Upper

244 100

212 7.7 6.3 9.5

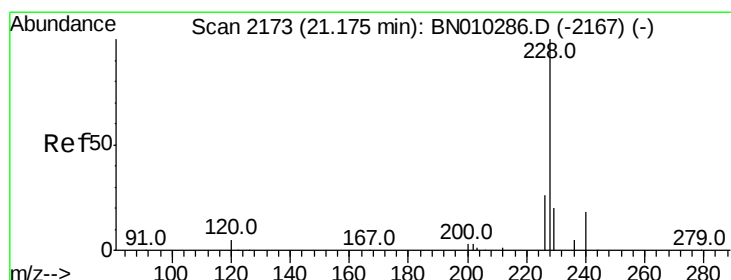
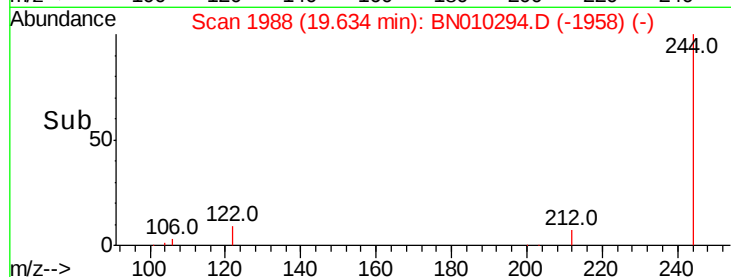
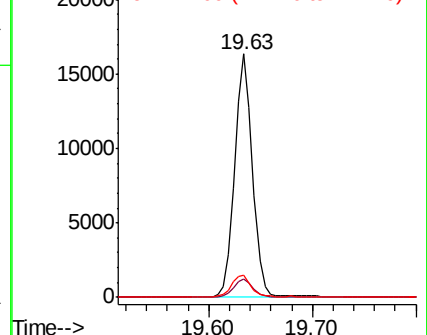
122 9.0 7.6 11.4



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: 0.395 ng

RT: 21.17 min Scan# 2173

Delta R.T. -0.00 min

Lab File: BN010294.D

Acq: 19 Mar 2020 18:38

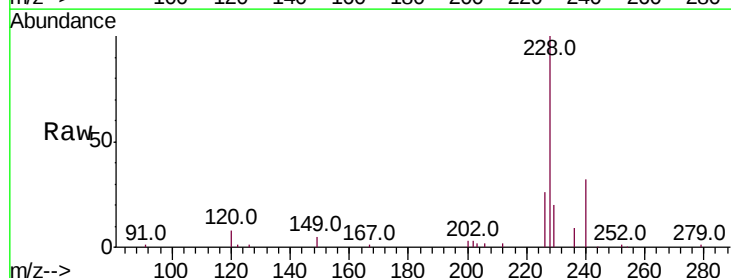
Tgt Ion:228 Resp: 27817

Ion Ratio Lower Upper

228 100

226 25.6 21.0 31.4

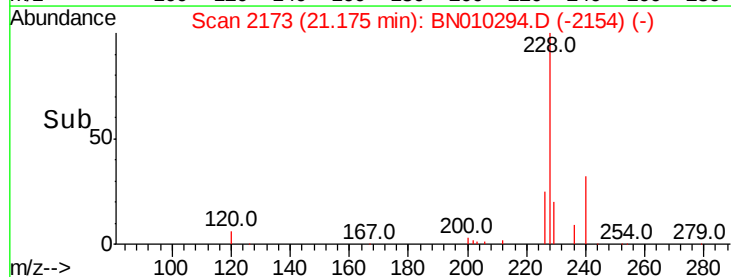
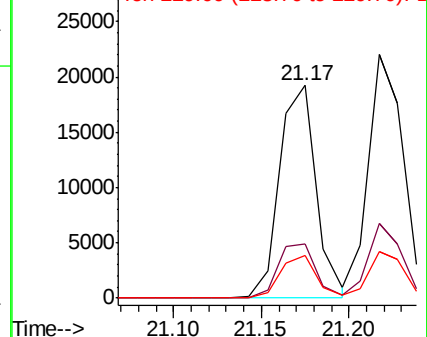
229 20.0 16.0 24.0

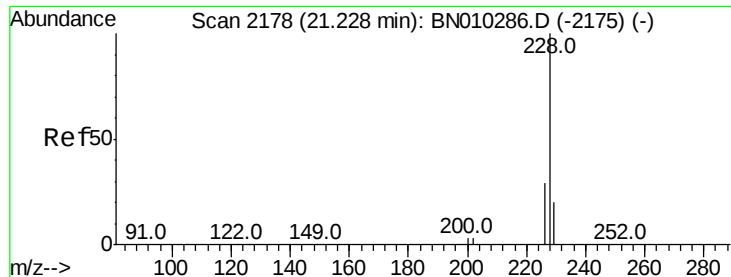


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.404 ng

RT: 21.22 min Scan# 2177

Delta R.T. -0.01 min

Lab File: BN010294.D

Acq: 19 Mar 2020 18:38

Instrument :

BNA_N

ClientSampled :

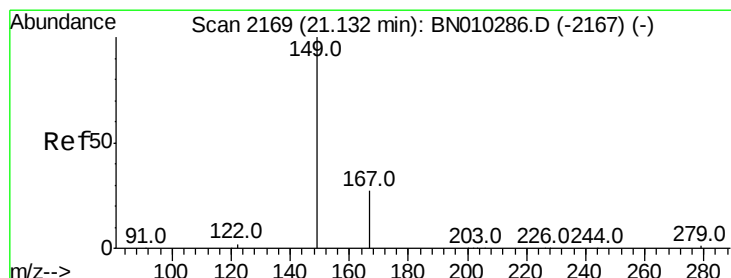
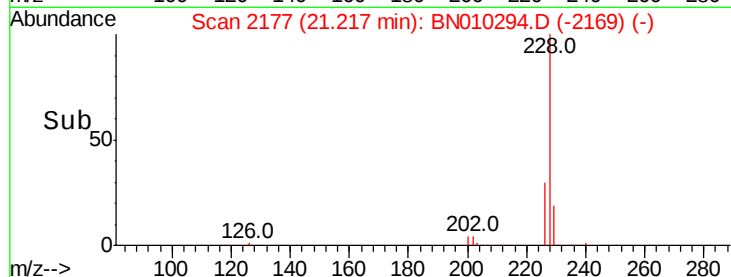
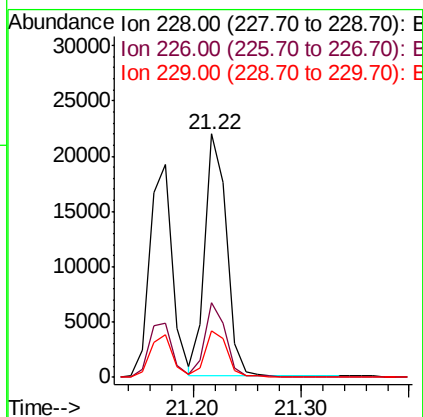
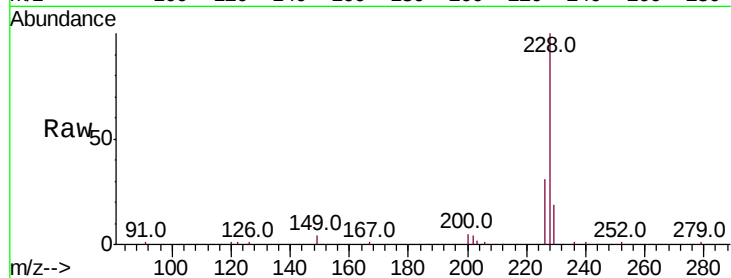
Tot Ion:228 Resp: 30529

Ion Ratio Lower Upper

228 100

226 30.7 23.0 34.6

229 19.0 16.0 24.0



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.373 ng

RT: 21.13 min Scan# 2169

Delta R.T. -0.00 min

Lab File: BN010294.D

Acq: 19 Mar 2020 18:38

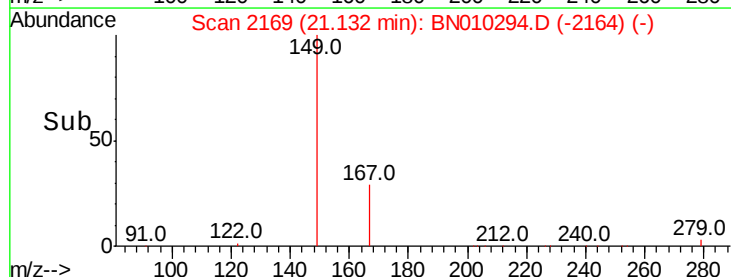
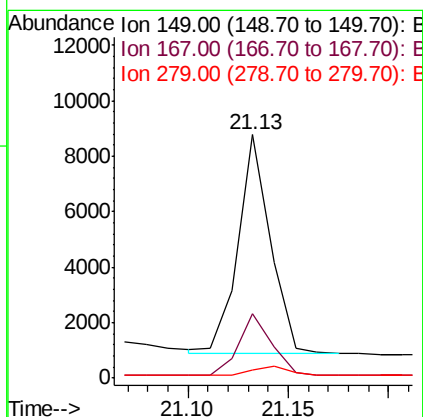
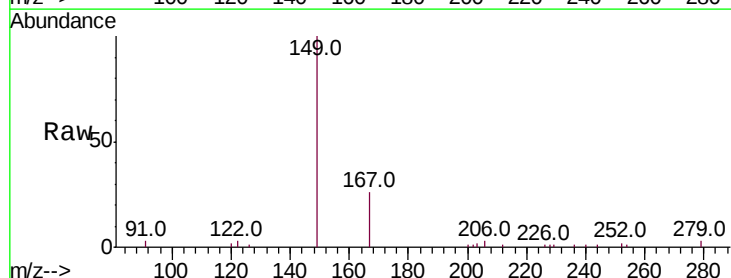
Tgt Ion:149 Resp: 8872

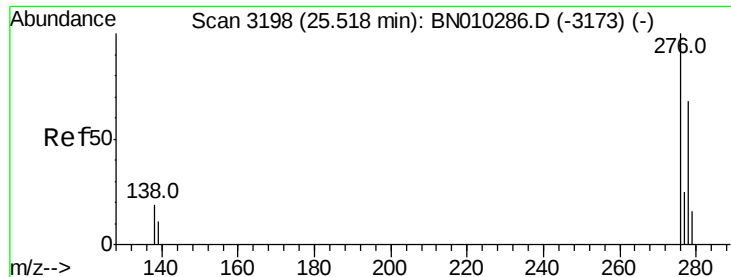
Ion Ratio Lower Upper

149 100

167 28.2 23.0 34.6

279 4.8 3.8 5.8





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.454 ng

RT: 25.51 min Scan# 3196

Delta R.T. -0.01 min

Lab File: BN010294.D

Acq: 19 Mar 2020 18:38

Instrument :

BNA_N

ClientSampleId :

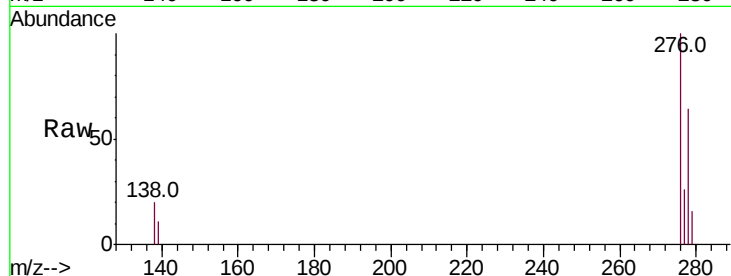
Tot Ion:276 Resp: 36693

Ion Ratio Lower Upper

276 100

138 19.4 15.6 23.4

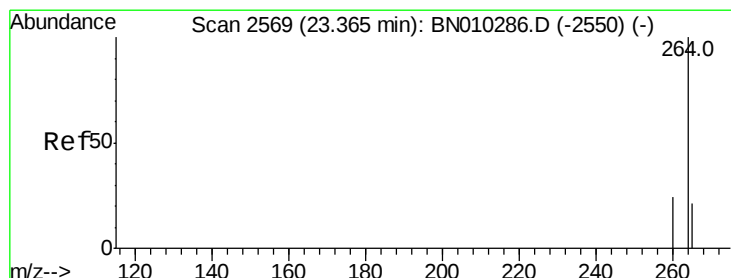
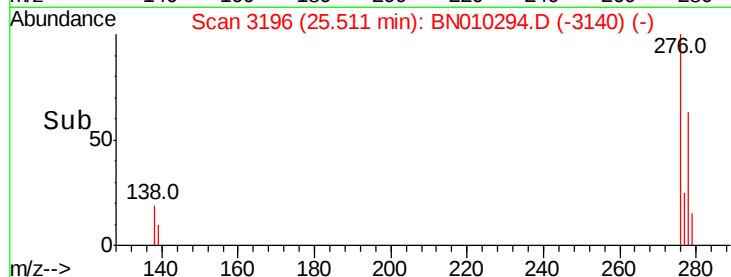
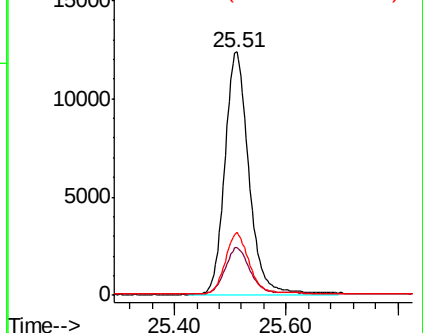
277 24.9 20.1 30.1



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: 23.36 min Scan# 2568

Delta R.T. -0.00 min

Lab File: BN010294.D

Acq: 19 Mar 2020 18:38

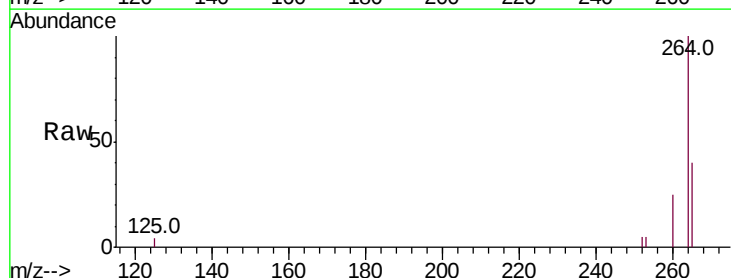
Tgt Ion:264 Resp: 24064

Ion Ratio Lower Upper

264 100

260 24.9 19.5 29.3

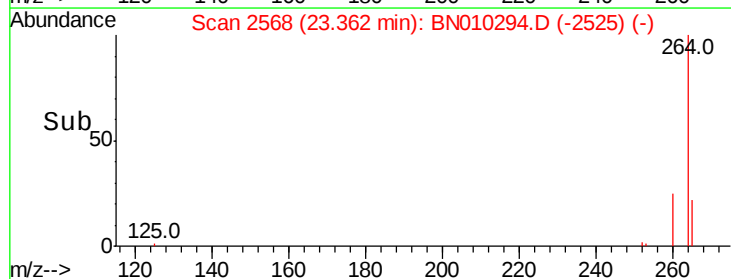
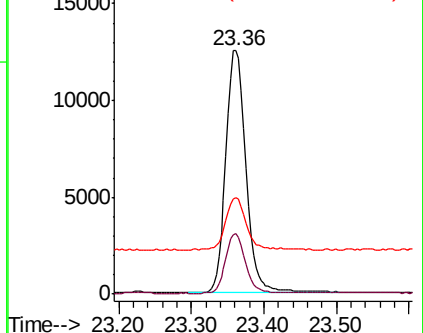
265 39.8 32.4 48.6

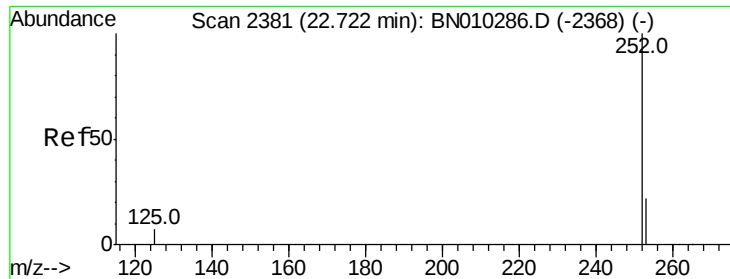


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.350 ng

RT: 22.71 min Scan# 2379

Delta R.T. -0.01 min

Lab File: BN010294.D

Acq: 19 Mar 2020 18:38

Instrument :

BNA_N

ClientSampleId :

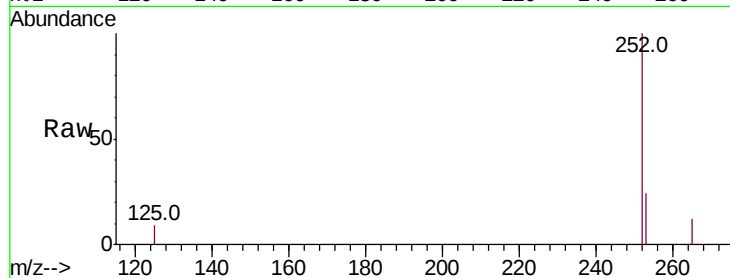
Tot Ion:252 Resp: 28657

Ion Ratio Lower Upper

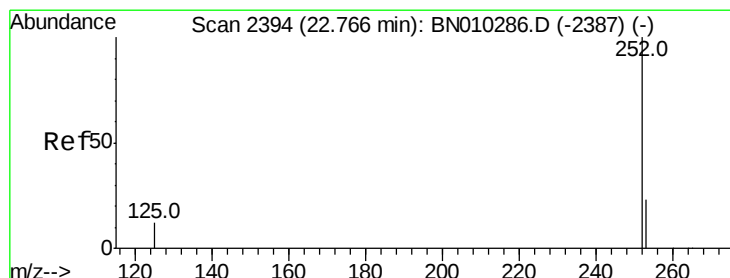
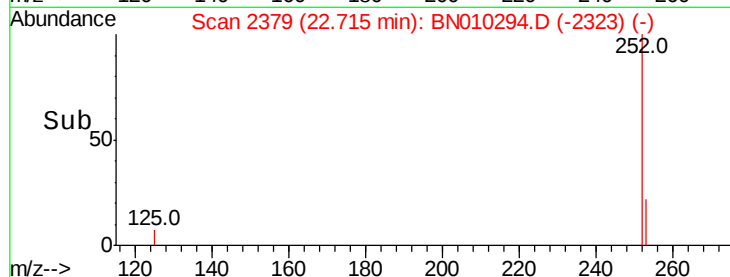
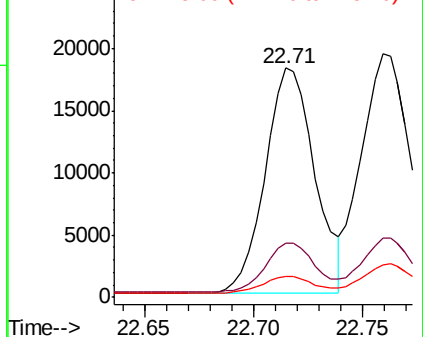
252 100

253 23.7 19.2 28.8

125 9.2 7.4 11.0



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



#36

Benzo(k)fluoranthene

Concen: 0.377 ng

RT: 22.76 min Scan# 2392

Delta R.T. -0.01 min

Lab File: BN010294.D

Acq: 19 Mar 2020 18:38

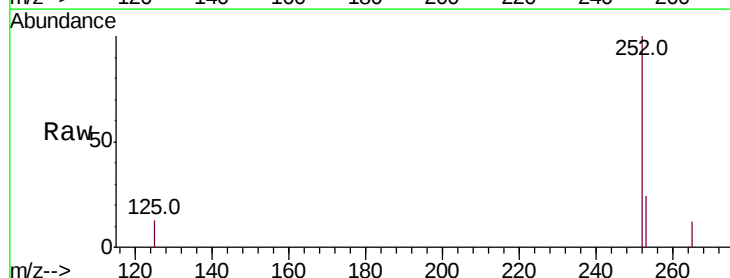
Tgt Ion:252 Resp: 31385

Ion Ratio Lower Upper

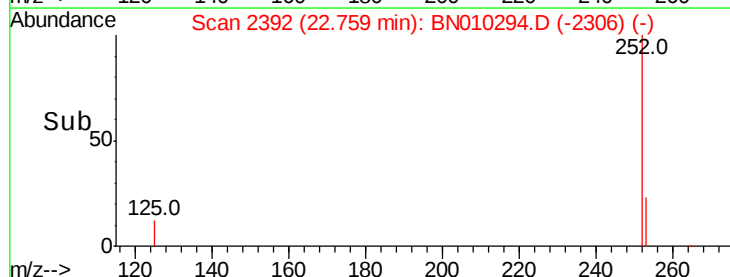
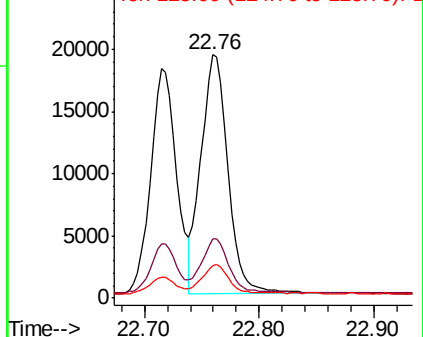
252 100

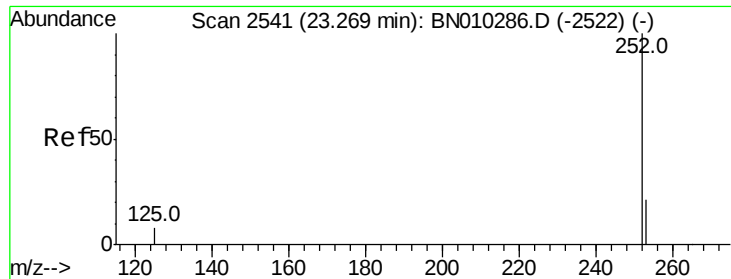
253 24.4 19.4 29.0

125 13.4 10.2 15.2



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





#37

Benzo(a)pyrene

Concen: 0.365 ng

RT: 23.27 min Scan# 2540

Delta R.T. -0.00 min

Lab File: BN010294.D

Acq: 19 Mar 2020 18:38

Instrument :

BNA_N

ClientSampleId :

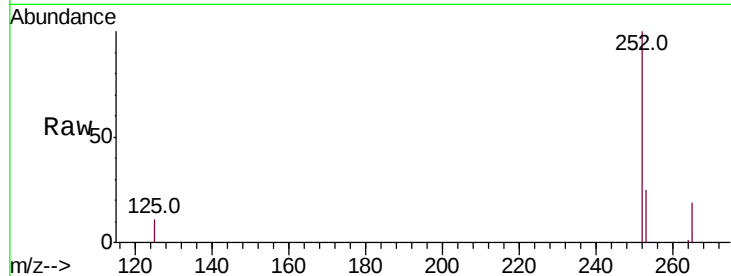
Tot Ion:252 Resp: 25192

Ion Ratio Lower Upper

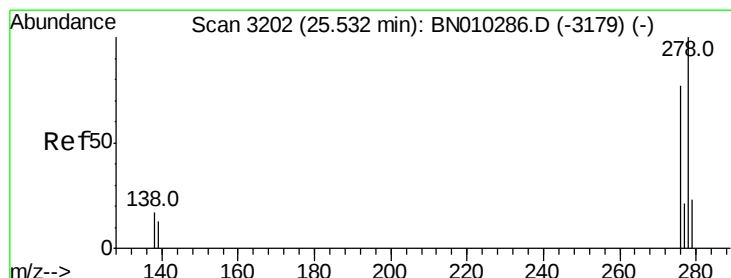
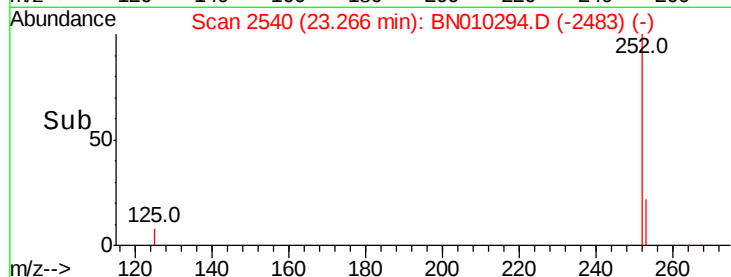
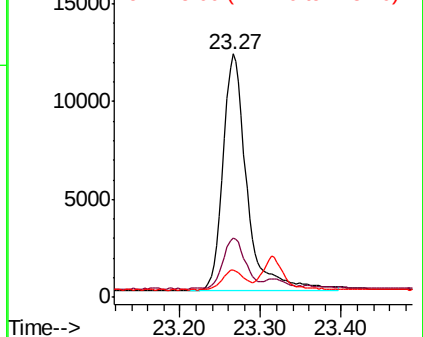
252 100

253 24.6 19.9 29.9

125 11.1 8.9 13.3



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: 0.403 ng

RT: 25.52 min Scan# 3200

Delta R.T. -0.01 min

Lab File: BN010294.D

Acq: 19 Mar 2020 18:38

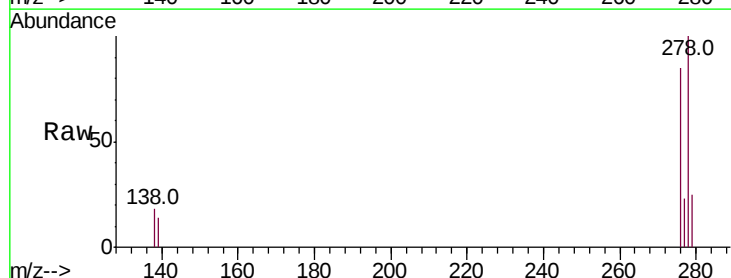
Tgt Ion:278 Resp: 30082

Ion Ratio Lower Upper

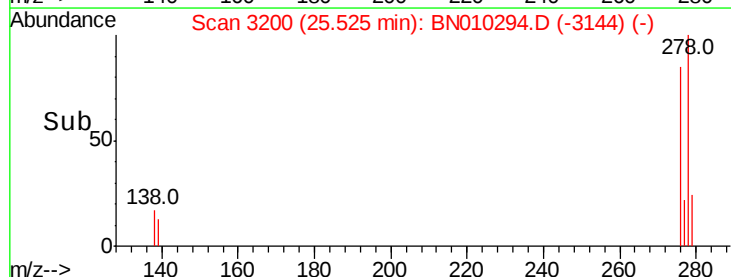
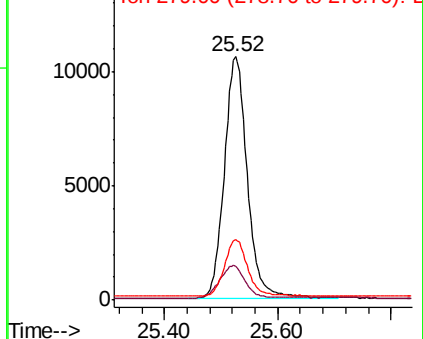
278 100

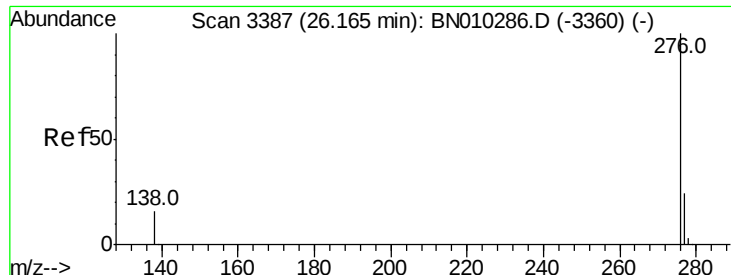
139 13.9 10.6 16.0

279 25.1 19.8 29.6



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: 0.371 ng

RT: 26.16 min Scan# 3385

Delta R.T. -0.01 min

Lab File: BN010294.D

Acq: 19 Mar 2020 18:38

Instrument :

BNA_N

ClientSampleId :

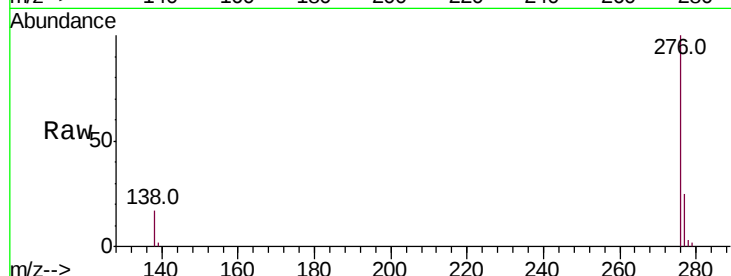
Tot Ion:276 Resp: 27820

Ion Ratio Lower Upper

276 100

277 24.9 19.6 29.4

138 17.1 13.3 19.9



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

