

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN042820\
 Data File : BN010626.D
 Acq On : 28 Apr 2020 16:24
 Operator : CG/JU
 Sample : L2330-14MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PA-TWP-2MSD

Quant Time: Apr 28 16:54:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 28 11:13:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	2845	0.40	ng	0.00
7) Naphthalene-d8	10.34	136	12356	0.40	ng	0.00
13) Acenaphthene-d10	14.20	164	8144	0.40	ng	0.00
19) Phenanthrene-d10	16.95	188	19798	0.40	ng	0.00
27) Chrysene-d12	21.16	240	18808	0.40	ng	0.00
34) Perylene-d12	23.33	264	16712	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.23	112	1067	0.17	ng	0.00
5) Phenol-d6	6.78	99	837	0.10	ng	0.00
8) Nitrobenzene-d5	8.72	82	3249	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	11.93	152	7580	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.71	330	1541	0.40	ng	0.00
15) 2-Fluorobiphenyl	12.83	172	12503	0.42	ng	0.00
25) Fluoranthene-d10	18.99	212	20646	0.34	ng	0.00
29) Terphenyl-d14	19.61	244	20289	0.47	ng	0.00

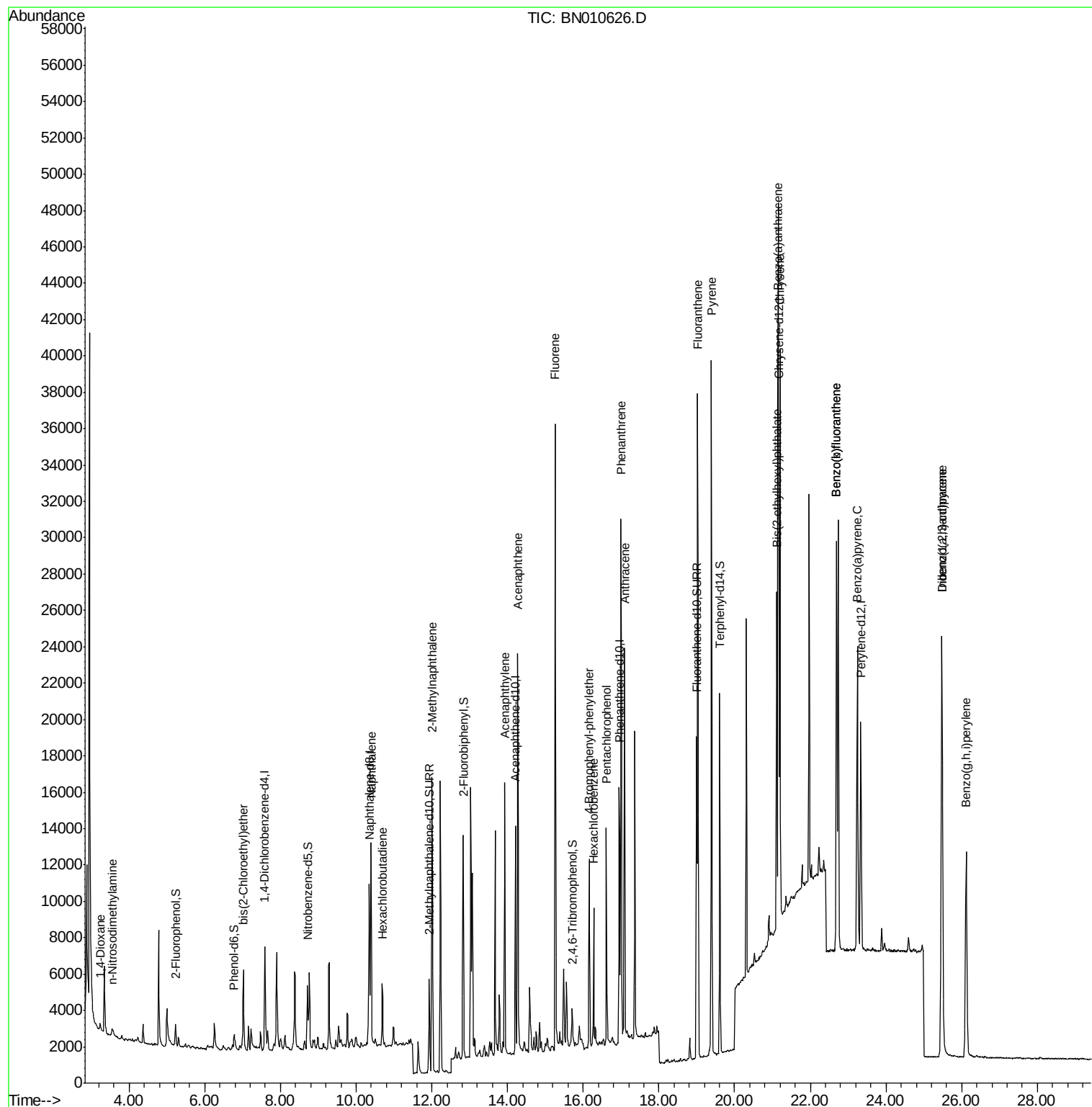
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.23	88	343	0.164	ng	# 70
3) n-Nitrosodimethylamine	3.55	42	253	0.186	ng	# 88
6) bis(2-Chloroethyl)ether	7.02	93	3737	0.530	ng	99
9) Naphthalene	10.39	128	15750	0.513	ng	99
10) Hexachlorobutadiene	10.68	225	2923	0.395	ng	# 100
12) 2-Methylnaphthalene	12.01	142	12034	0.546	ng	99
16) Acenaphthylene	13.92	152	16969	0.482	ng	99
17) Acenaphthene	14.27	154	11184	0.495	ng	98
18) Fluorene	15.26	166	15380	0.519	ng	99
20) 4-Bromophenyl-phenylether	16.16	248	5045	0.459	ng	# 81
21) Hexachlorobenzene	16.27	284	5457	0.435	ng	97
22) Pentachlorophenol	16.61	266	6305	1.277	ng	97
23) Phenanthrene	17.00	178	28864	0.540	ng	99
24) Anthracene	17.09	178	23977	0.491	ng	100
26) Fluoranthene	19.03	202	33298	0.500	ng	100
28) Pyrene	19.39	202	34217	0.540	ng	99
30) Benzo(a)anthracene	21.15	228	29759	0.485	ng	98
31) Chrysene	21.20	228	29396	0.481	ng	99
32) Bis(2-ethylhexyl)phthalate	21.11	149	17265	0.548	ng	98
33) Indeno(1,2,3-cd)pyrene	25.47	276	27477	0.508	ng	99
35) Benzo(b)fluoranthene	22.69	252	27695	0.503	ng	97
36) Benzo(k)fluoranthene	22.69	252	27695	0.502	ng	97
37) Benzo(a)pyrene	23.24	252	23895	0.491	ng	98
38) Dibenzo(a,h)anthracene	25.48	278	22775	0.511	ng	95
39) Benzo(g,h,i)perylene	26.12	276	23264	0.519	ng	98

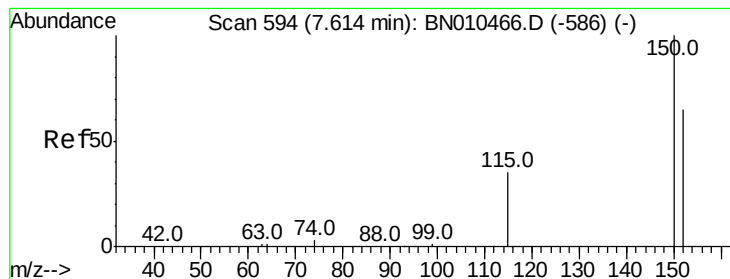
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.58 min Scan# 590

Delta R.T. -0.01 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

Instrument :

BNA_N

ClientSampleId :

PA-TWP-2MSD

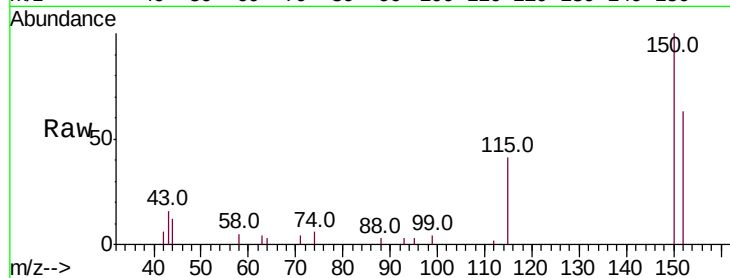
Tot Ion:152 Resp: 2845

Ion Ratio Lower Upper

152 100

150 158.0 121.8 182.6

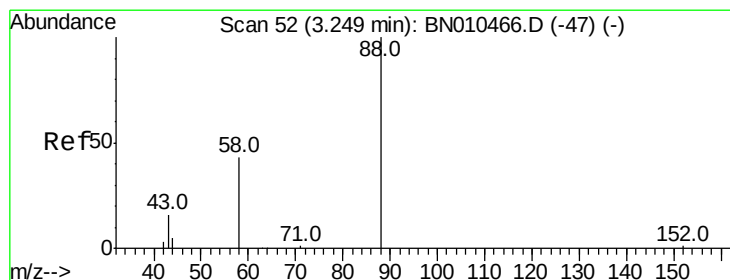
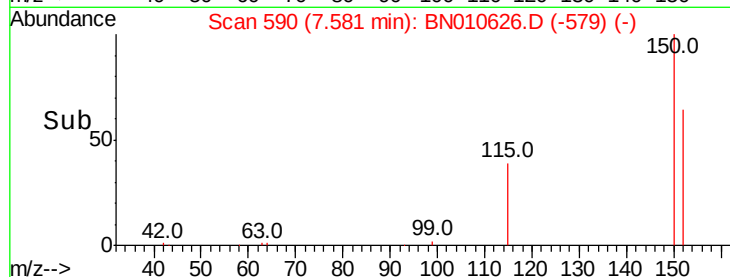
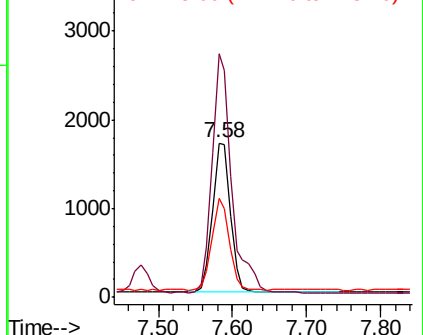
115 64.0 45.5 68.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.164 ng

RT: 3.23 min Scan# 50

Delta R.T. -0.01 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

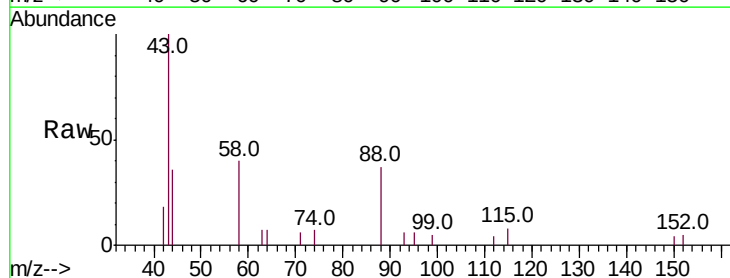
Tgt Ion: 88 Resp: 343

Ion Ratio Lower Upper

88 100

58 46.1 36.5 54.7

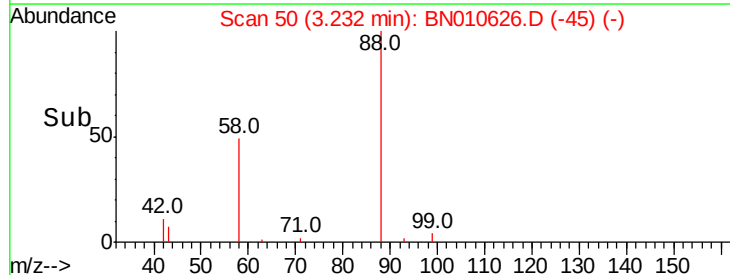
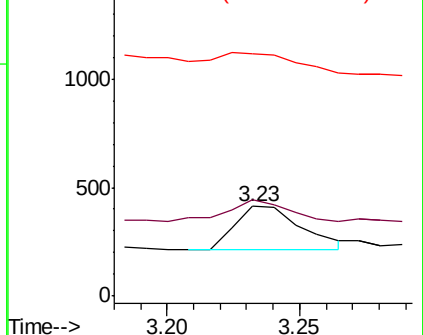
43 64.1 13.2 19.8#

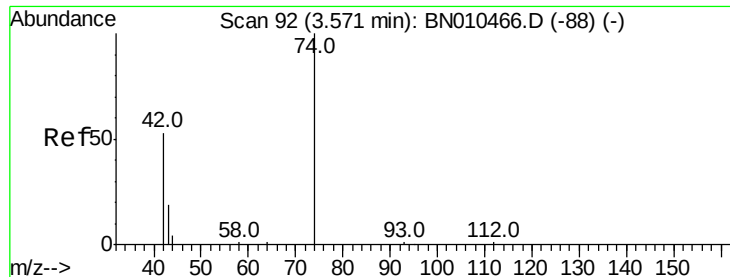


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.186 ng

RT: 3.55 min Scan# 90

Delta R.T. 0.01 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

Instrument :

BNA_N

ClientSampleId :

PA-TWP-2MSD

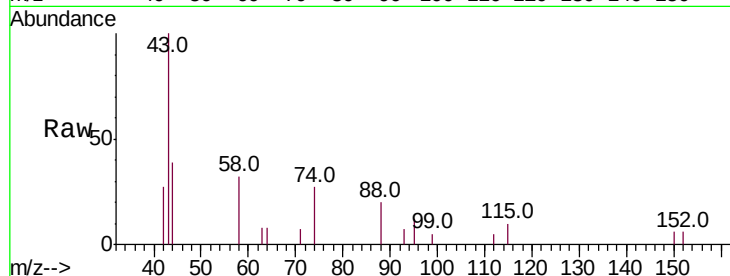
Tot Ion: 42 Resp: 253

Ion Ratio Lower Upper

42 100

74 219.8 162.2 243.4

44 16.6 2.4 3.6#

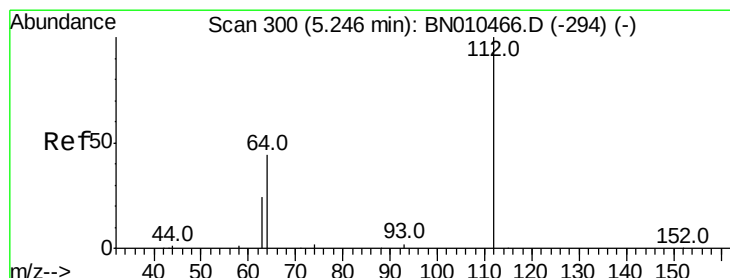
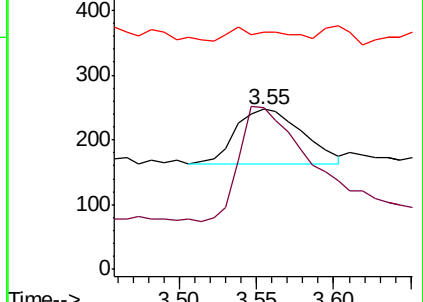
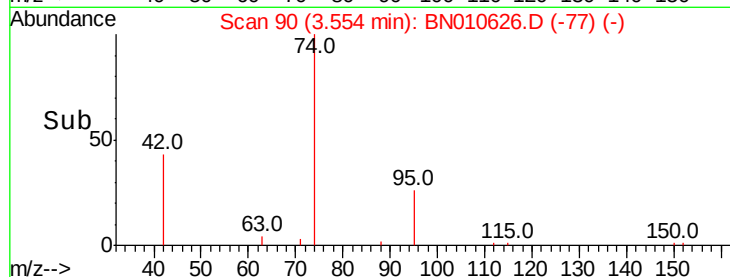


Abundance Ion 42.00 (41.70 to 42.70): BN0

Ion 74.00 (73.70 to 74.70): BN0

Ion 44.00 (43.70 to 44.70): BN0

Time-->



#4

2-Fluorophenol

Concen: 0.171 ng

RT: 5.23 min Scan# 298

Delta R.T. -0.00 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

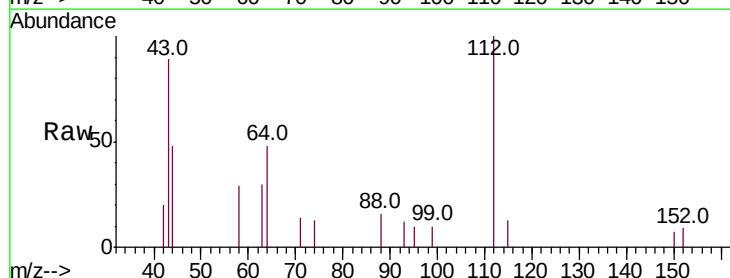
Tgt Ion: 112 Resp: 1067

Ion Ratio Lower Upper

112 100

64 45.3 35.8 53.8

63 24.6 19.9 29.9

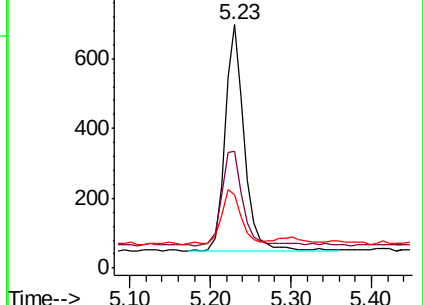
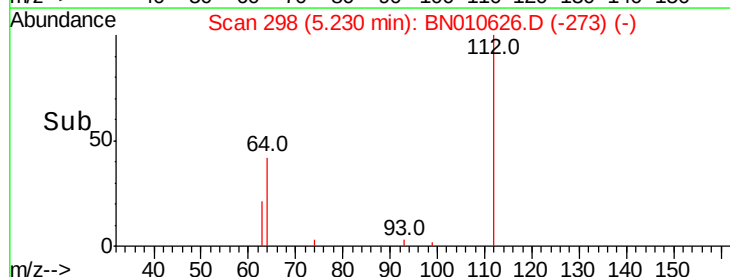


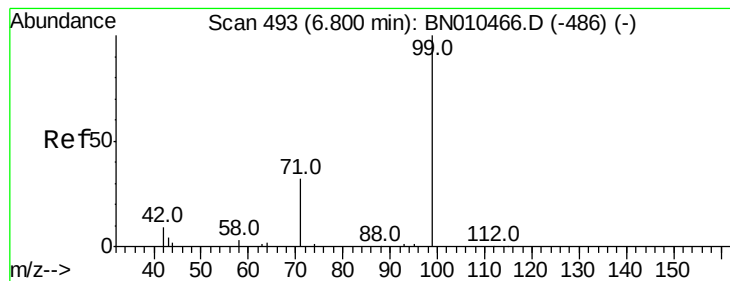
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BN0

Ion 63.00 (62.70 to 63.70): BN0

Time-->





#5

Phenol-d6

Concen: 0.103 ng

RT: 6.78 min Scan# 490

Delta R.T. -0.01 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

Instrument :

BNA_N

ClientSampleId :

PA-TWP-2MSD

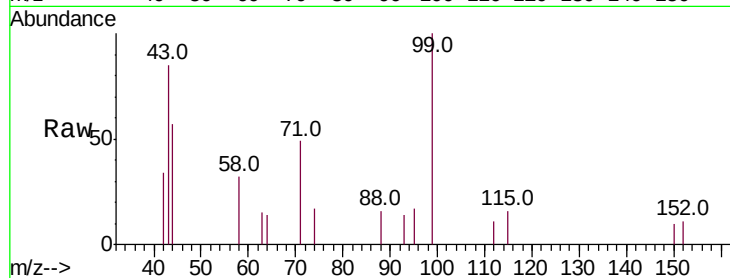
Tot Ion: 99 Resp: 837

Ion Ratio Lower Upper

99 100

42 18.8 9.8 14.6#

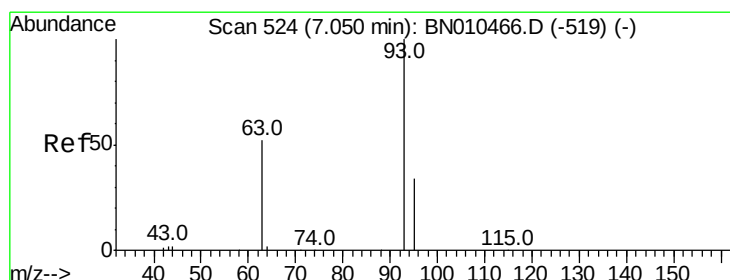
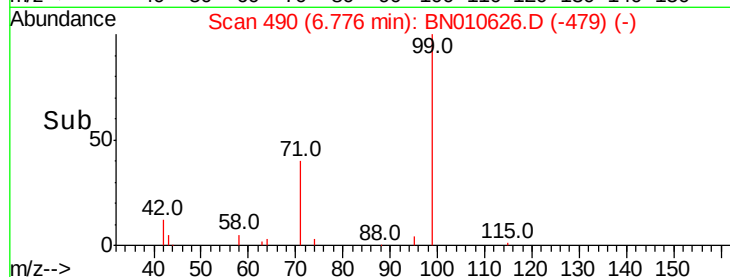
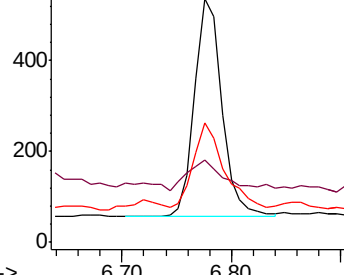
71 41.9 27.8 41.8#



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

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

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



#6

bis(2-Chloroethyl)ether

Concen: 0.530 ng

RT: 7.02 min Scan# 520

Delta R.T. -0.01 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

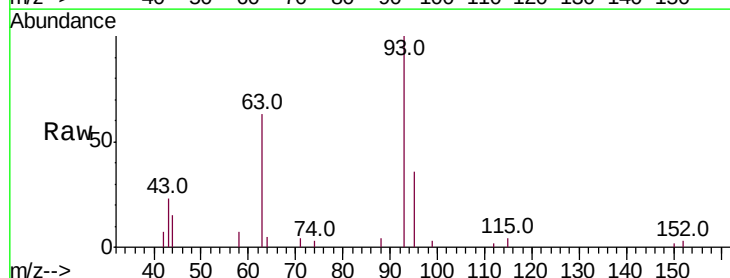
Tgt Ion: 93 Resp: 3737

Ion Ratio Lower Upper

93 100

63 56.9 44.6 66.8

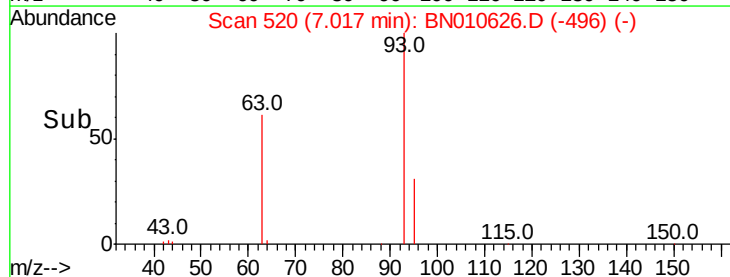
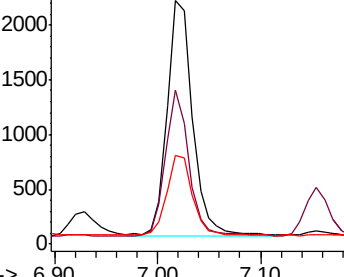
95 33.1 26.5 39.7

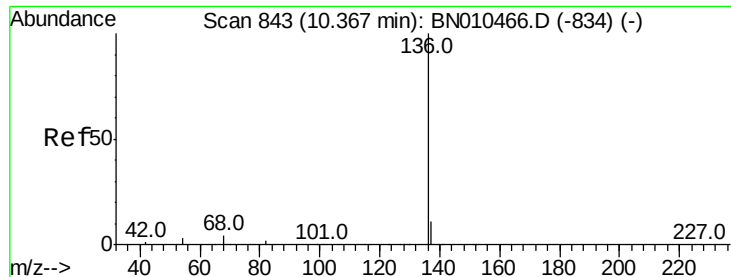


Abundance Ion 93.00 (92.70 to 93.70): BN010466.D (-519) (-)

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

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





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.34 min Scan# 841

Delta R.T. -0.00 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

Instrument :

BNA_N

ClientSampleId :

PA-TWP-2MSD

Tot Ion:136 Resp: 12356

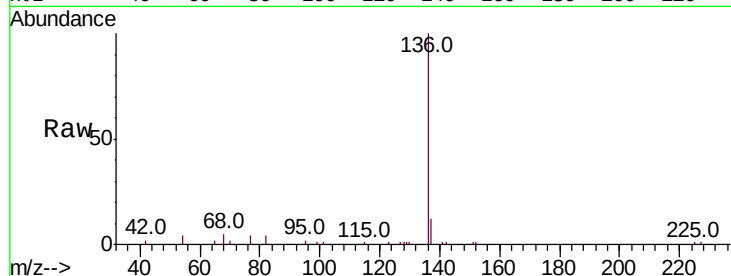
Ion Ratio Lower Upper

136 100

137 11.8 8.9 13.3

54 3.7 2.6 4.0

68 4.7 3.4 5.2

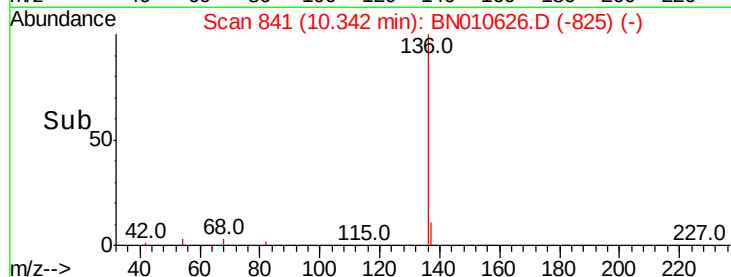


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

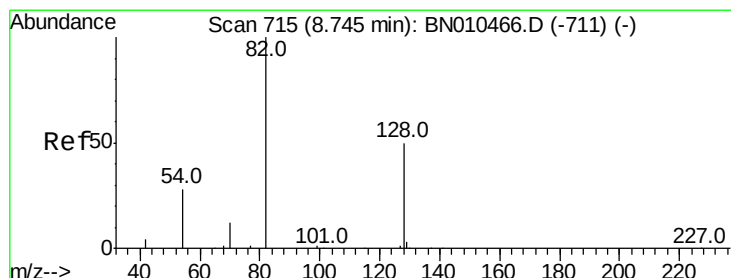
Ion 68.00 (67.70 to 68.70): BNC



Abundance

10.34

Time-->



#8

Nitrobenzene-d5

Concen: 0.376 ng

RT: 8.72 min Scan# 713

Delta R.T. -0.00 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

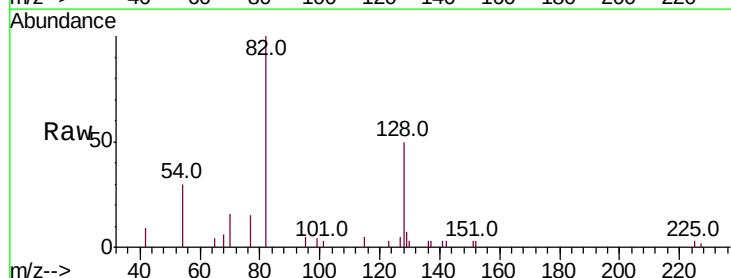
Tgt Ion: 82 Resp: 3249

Ion Ratio Lower Upper

82 100

128 49.8 41.3 61.9

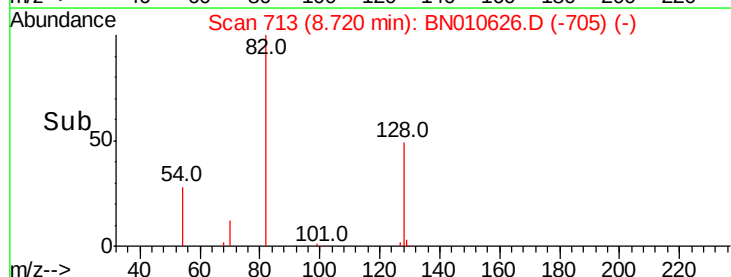
54 30.0 23.4 35.0



Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

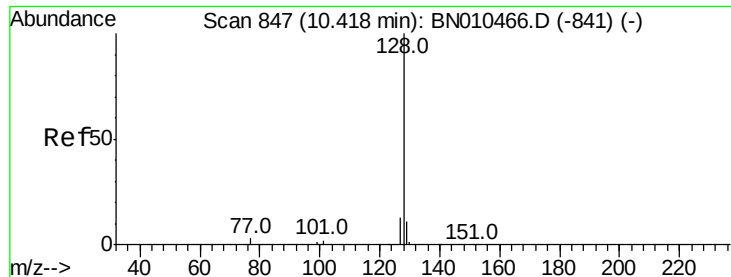
Ion 54.00 (53.70 to 54.70): BNC



Abundance

8.72

Time-->



#9

Naphthalene

Concen: 0.513 ng

RT: 10.39 min Scan# 845

Delta R.T. -0.00 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

Instrument :

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PA-TWP-2MSD

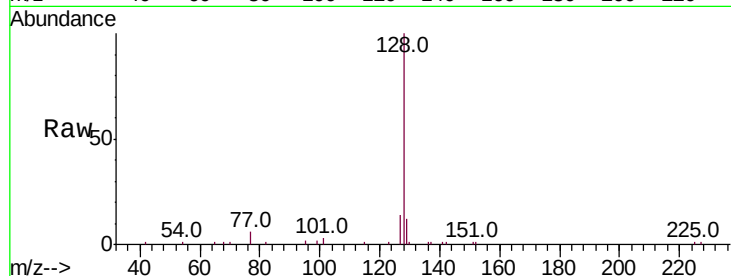
Tot Ion:128 Resp: 15750

Ion Ratio Lower Upper

128 100

129 11.6 9.3 13.9

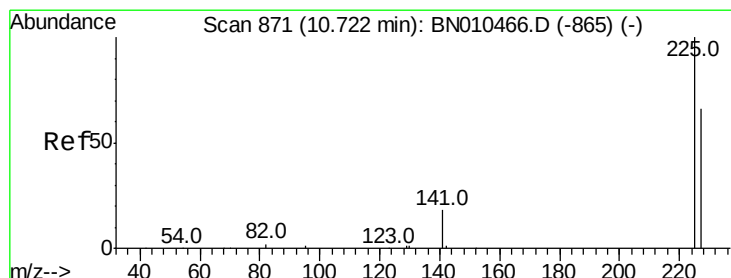
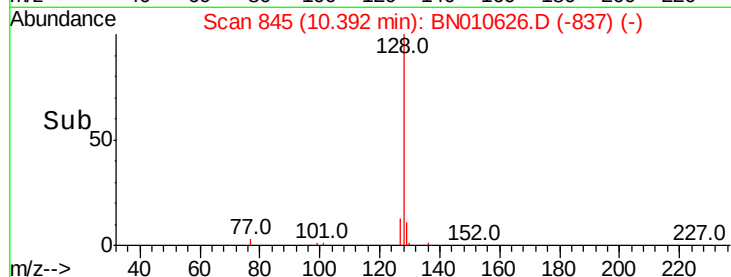
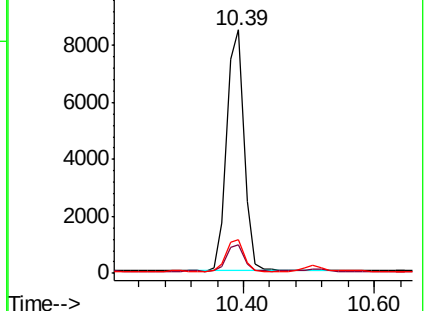
127 13.8 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.395 ng

RT: 10.68 min Scan# 868

Delta R.T. -0.00 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

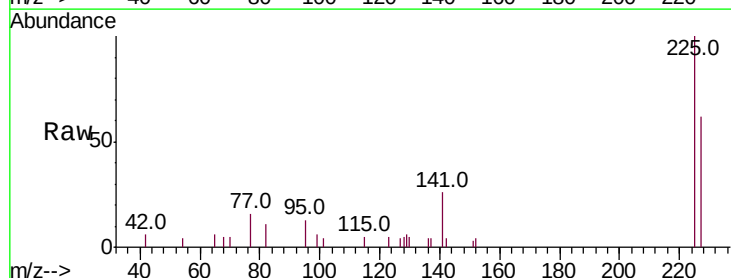
Tgt Ion:225 Resp: 2923

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

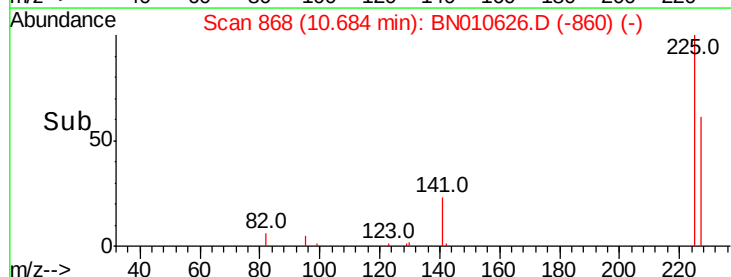
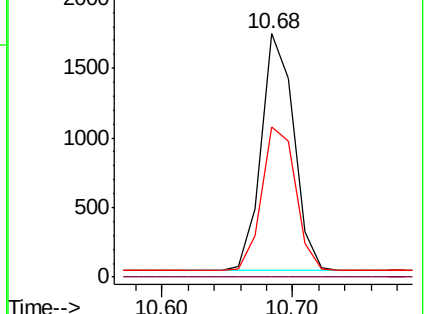
227 63.6 50.6 76.0

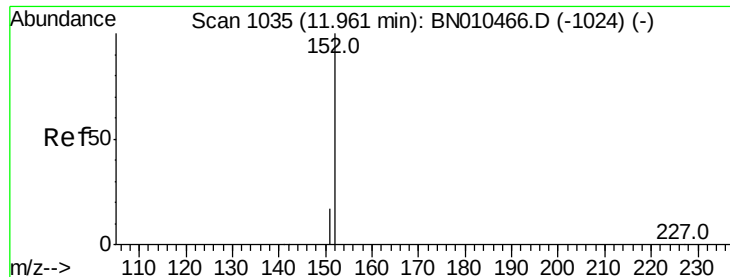


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.373 ng

RT: 11.93 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

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BNA_N

ClientSampleId :

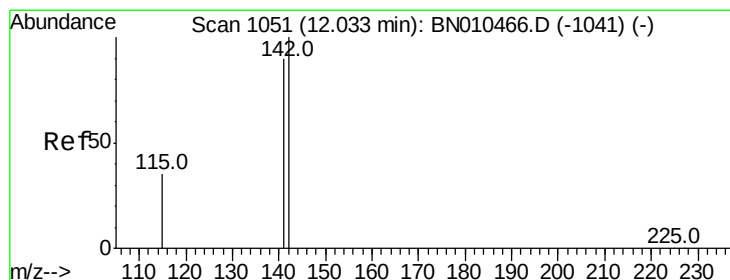
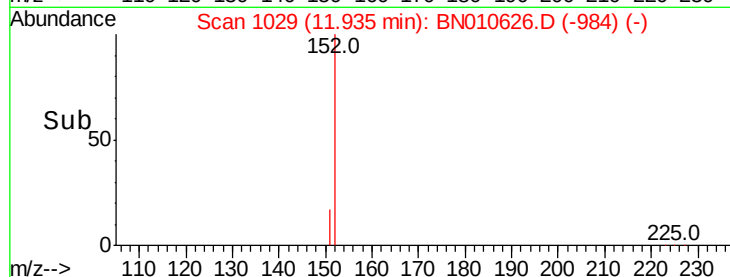
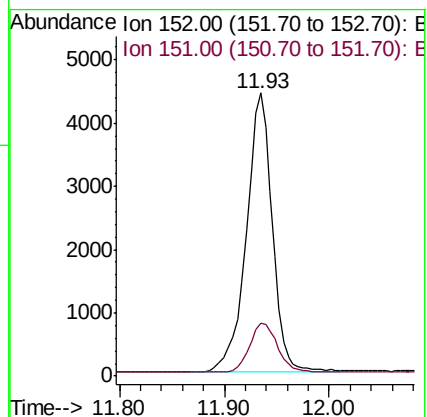
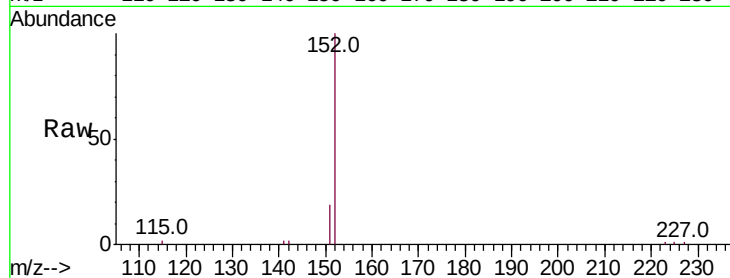
PA-TWP-2MSD

Tot Ion:152 Resp: 7580

Ion Ratio Lower Upper

152 100

151 19.0 15.3 22.9



#12

2-Methylnaphthalene

Concen: 0.546 ng

RT: 12.01 min Scan# 1045

Delta R.T. -0.00 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

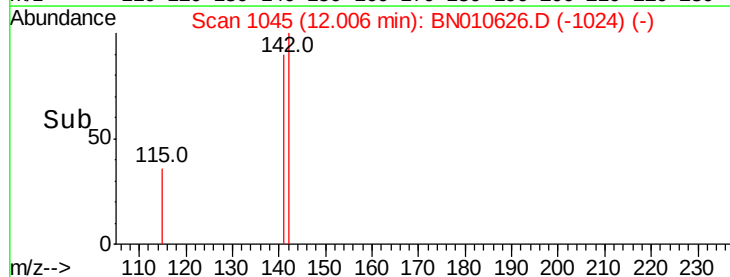
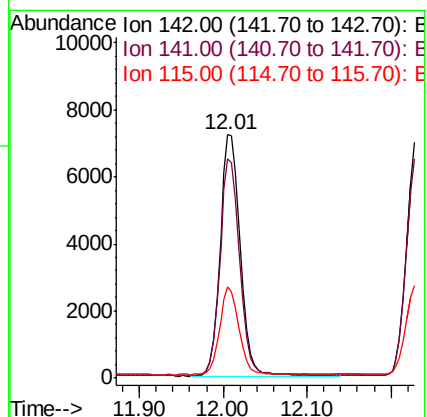
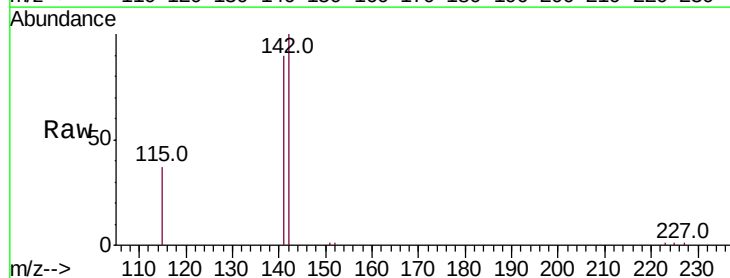
Tgt Ion:142 Resp: 12034

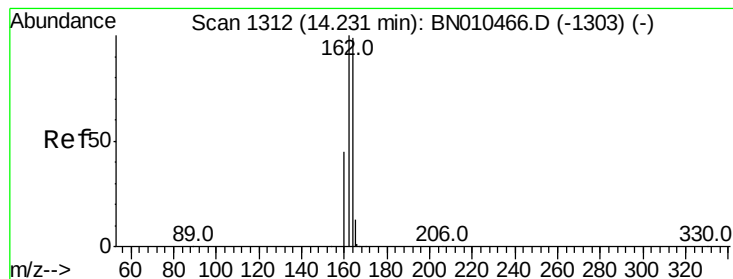
Ion Ratio Lower Upper

142 100

141 90.2 71.9 107.9

115 37.4 28.8 43.2





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.20 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

Instrument :

BNA_N

ClientSampleId :

PA-TWP-2MSD

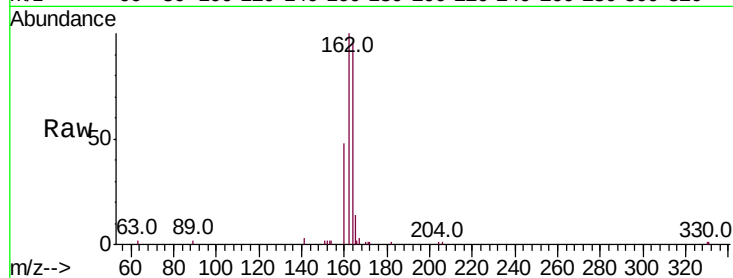
Tot Ion:164 Resp: 8144

Ion Ratio Lower Upper

164 100

162 104.3 80.6 121.0

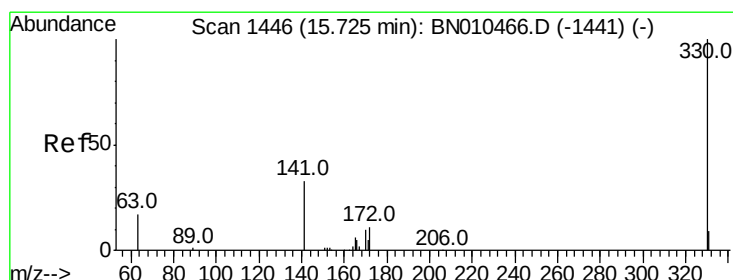
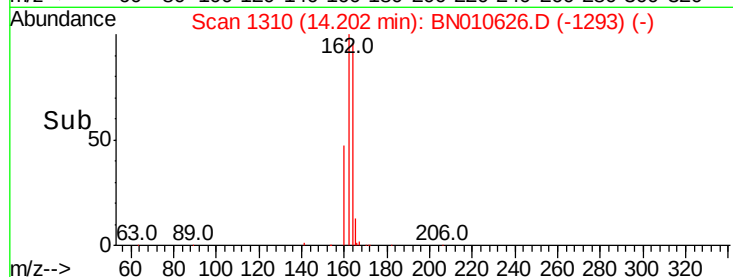
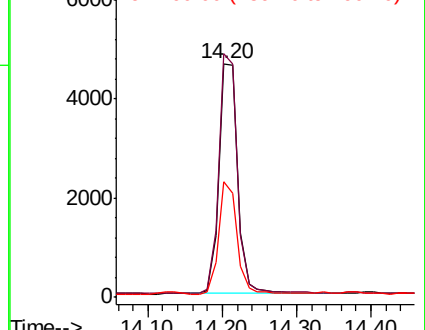
160 49.8 36.5 54.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.401 ng

RT: 15.71 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

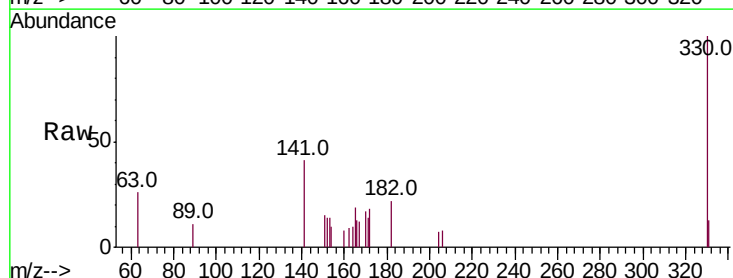
Tgt Ion:330 Resp: 1541

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

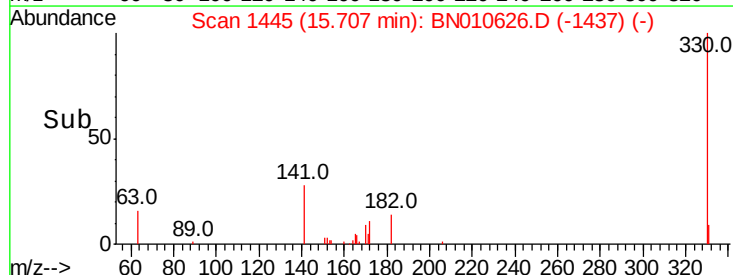
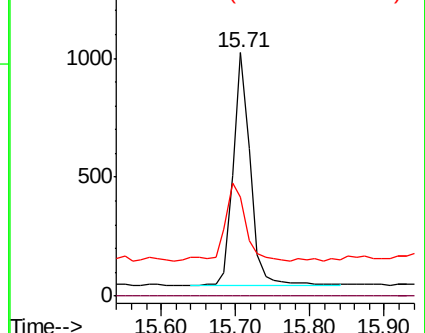
141 39.5 28.1 42.1

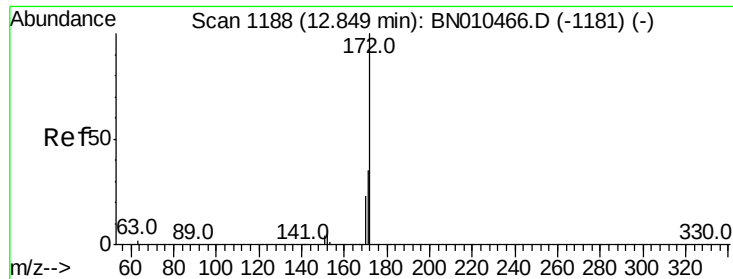


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

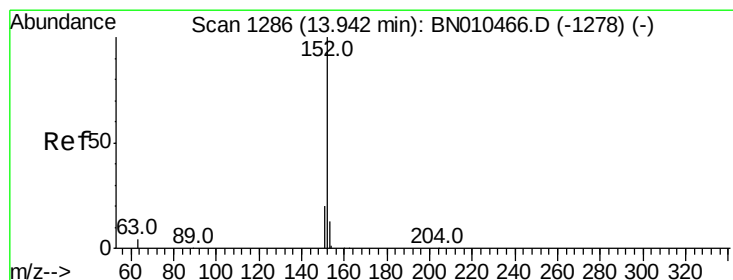
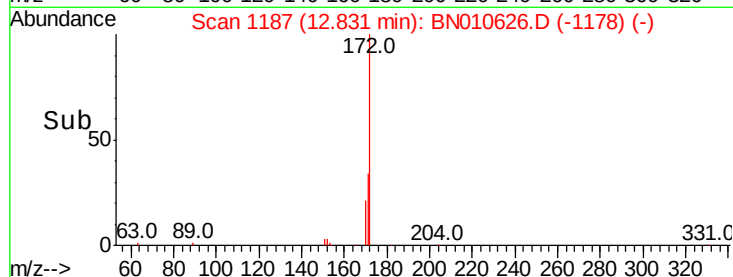
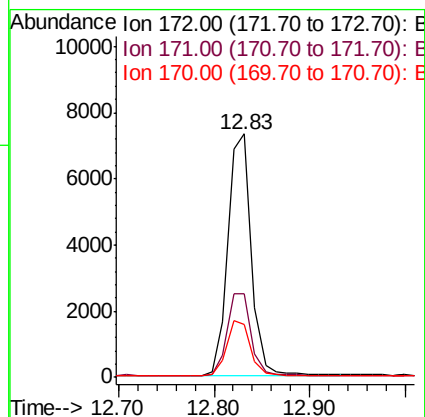
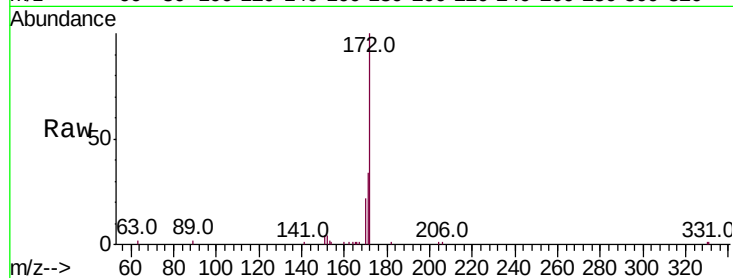




#15
2-Fluorobiphenyl
Concen: 0.422 ng
RT: 12.83 min Scan# 1187
Delta R.T. 0.00 min
Lab File: BN010626.D
Acq: 28 Apr 2020 16:24

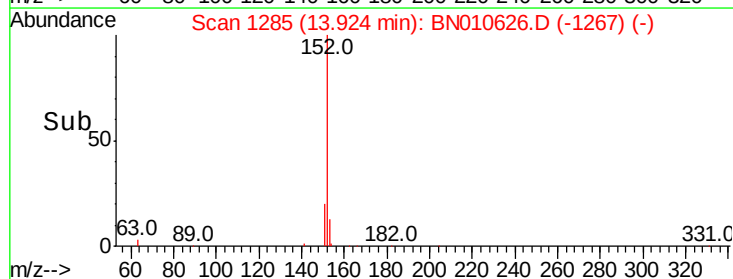
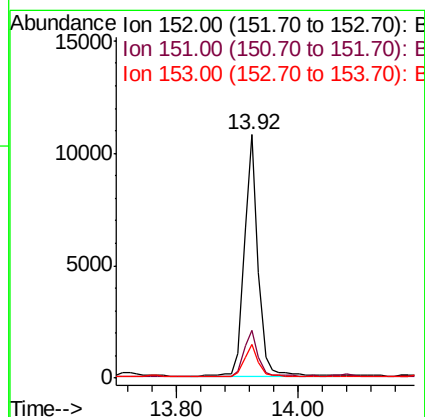
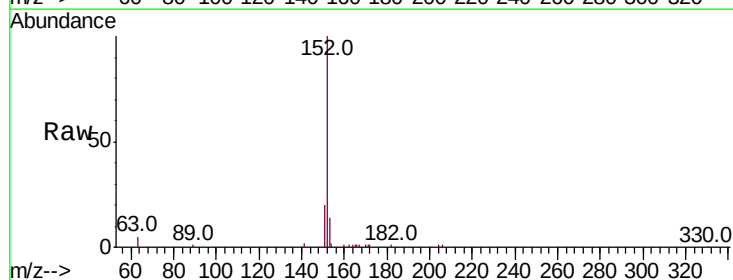
Instrument :
BNA_N
ClientSampleId :
PA-TWP-2MSD

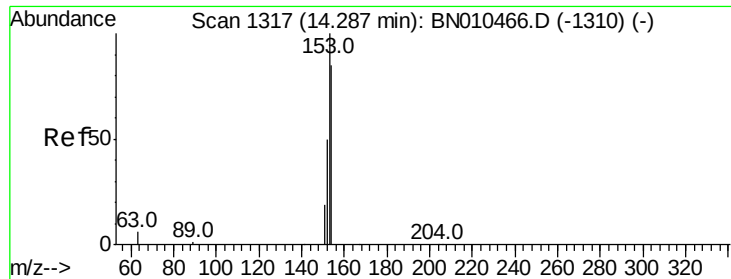
Tot Ion:172 Resp: 12503
Ion Ratio Lower Upper
172 100
171 34.4 28.2 42.2
170 21.7 18.4 27.6



#16
Acenaphthylene
Concen: 0.482 ng
RT: 13.92 min Scan# 1285
Delta R.T. 0.00 min
Lab File: BN010626.D
Acq: 28 Apr 2020 16:24

Tgt Ion:152 Resp: 16969
Ion Ratio Lower Upper
152 100
151 19.3 15.7 23.5
153 13.0 10.6 15.8





#17

Acenaphthene

Concen: 0.495 ng

RT: 14.27 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

Instrument :

BNA_N

ClientSampleId :

PA-TWP-2MSD

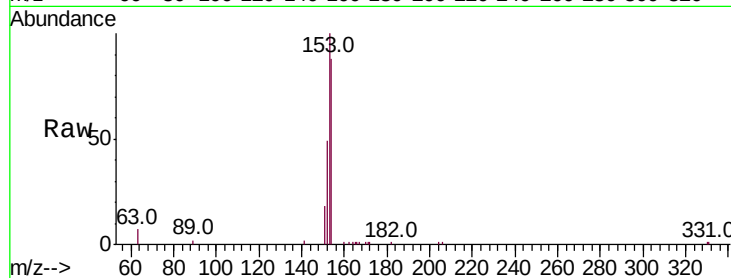
Tot Ion:154 Resp: 11184

Ion Ratio Lower Upper

154 100

153 112.3 91.0 136.4

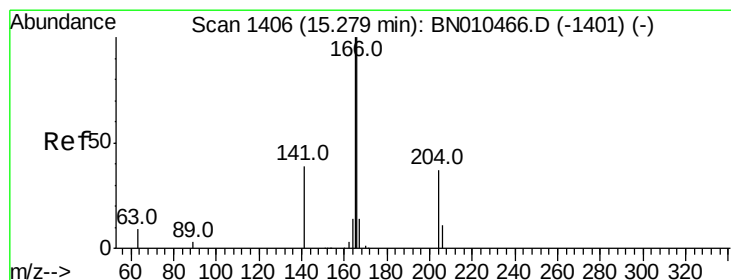
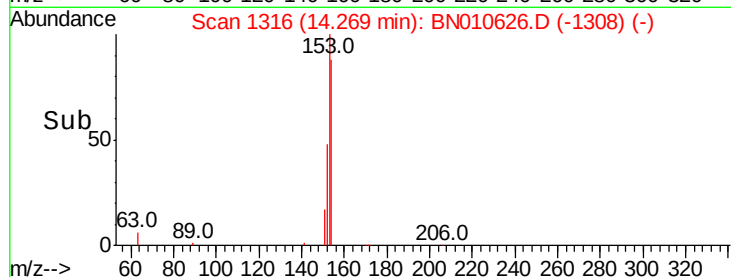
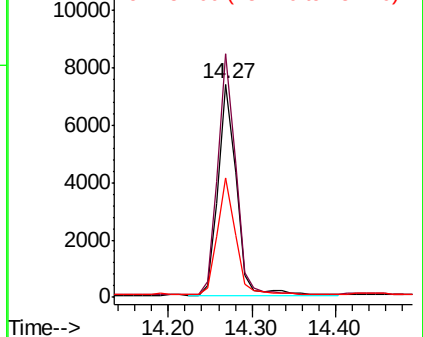
152 54.5 44.6 67.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.519 ng

RT: 15.26 min Scan# 1405

Delta R.T. -0.01 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

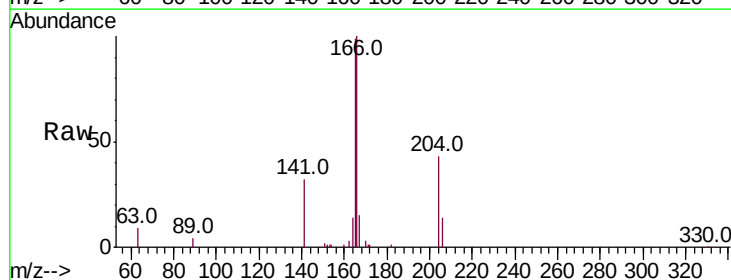
Tgt Ion:166 Resp: 15380

Ion Ratio Lower Upper

166 100

165 98.8 78.4 117.6

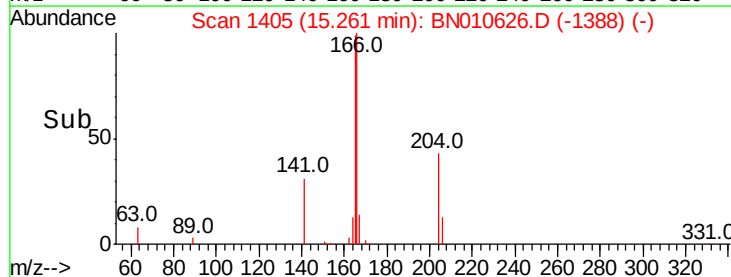
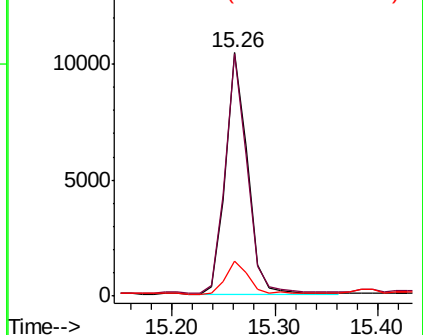
167 14.7 10.9 16.3

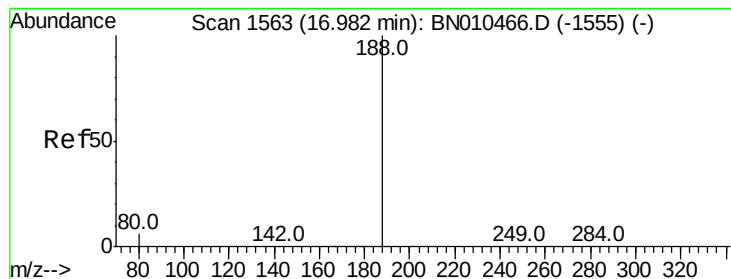


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.95 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

Instrument :

BNA_N

ClientSampleId :

PA-TWP-2MSD

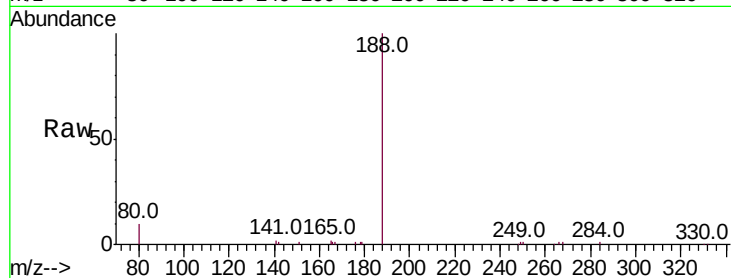
Tot Ion:188 Resp: 19798

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

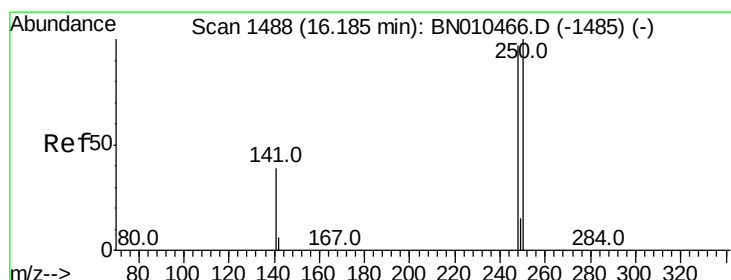
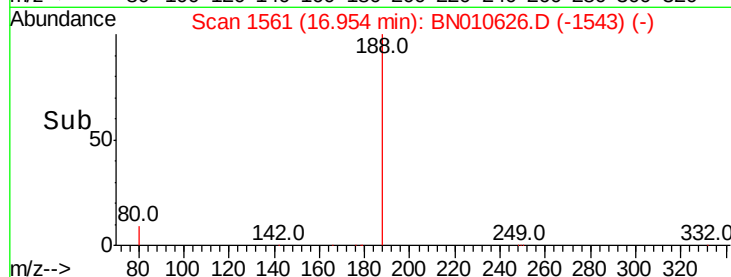
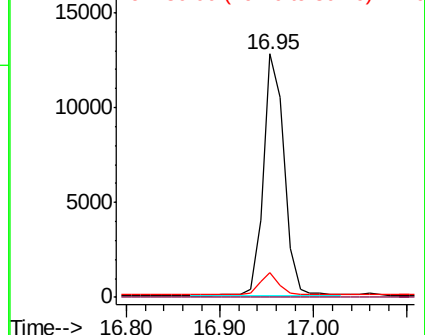
80 10.3 5.0 7.6#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#20

4-Bromophenyl-phenylether

Concen: 0.459 ng

RT: 16.16 min Scan# 1486

Delta R.T. -0.01 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

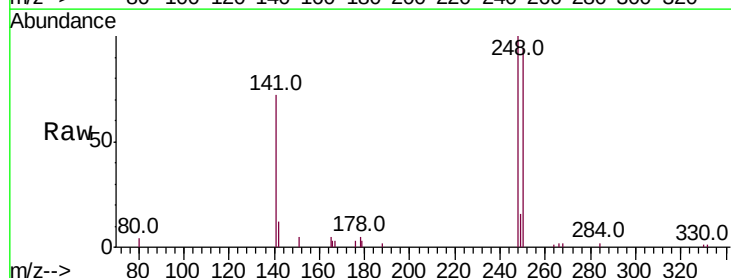
Tgt Ion:248 Resp: 5045

Ion Ratio Lower Upper

248 100

250 93.8 82.3 123.5

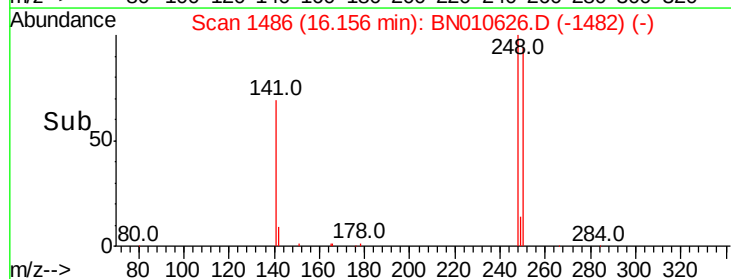
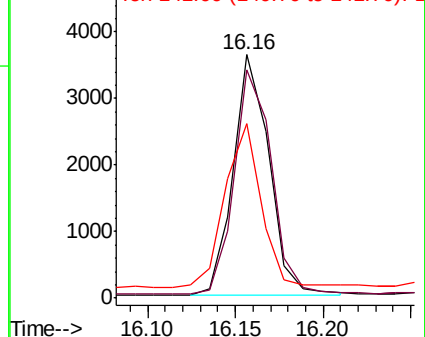
141 71.9 35.2 52.8#

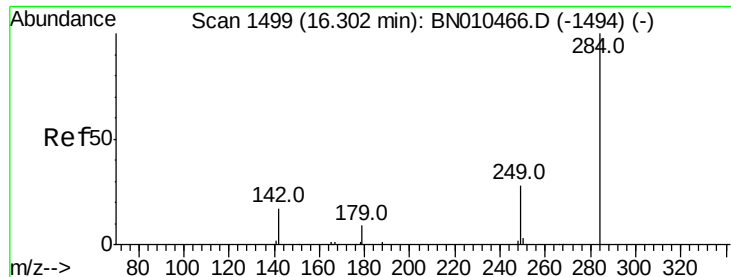


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.435 ng

RT: 16.27 min Scan# 1497

Delta R.T. -0.01 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

Instrument :

BNA_N

ClientSampleId :

PA-TWP-2MSD

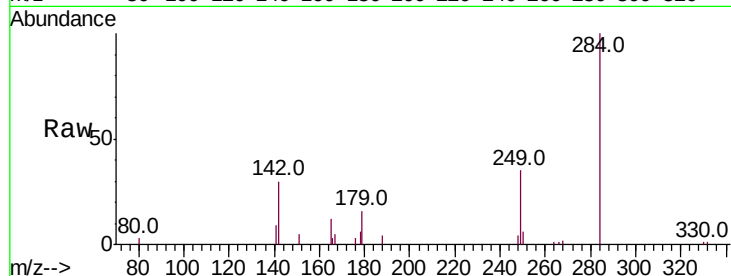
Tot Ion:284 Resp: 5457

Ion Ratio Lower Upper

284 100

142 34.8 25.5 38.3

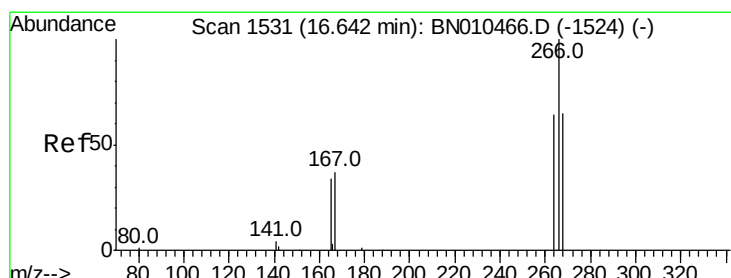
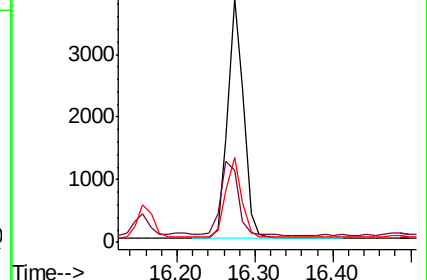
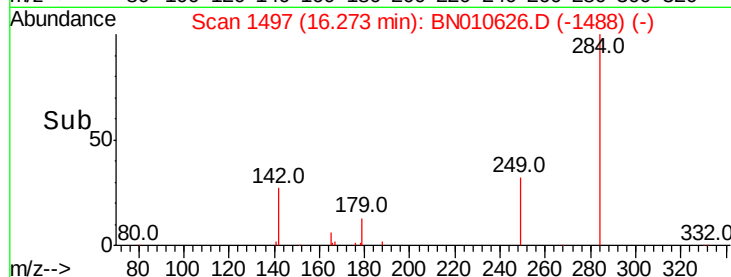
249 32.8 25.8 38.6



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 1.277 ng

RT: 16.61 min Scan# 1529

Delta R.T. -0.01 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

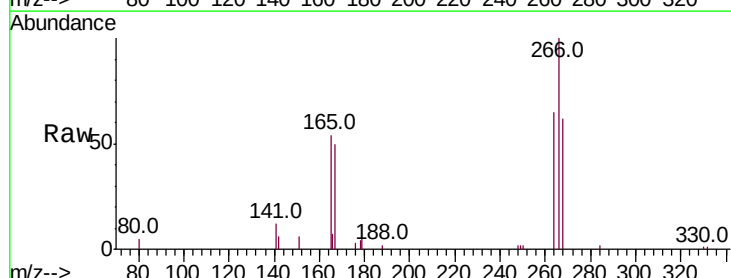
Tgt Ion:266 Resp: 6305

Ion Ratio Lower Upper

266 100

264 65.2 51.8 77.6

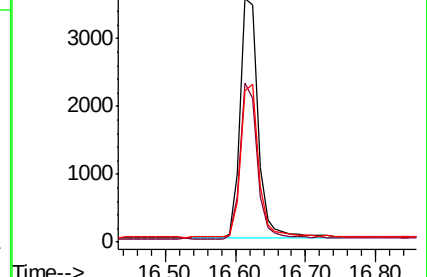
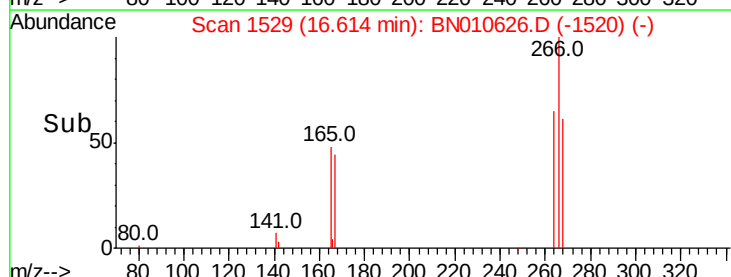
268 62.2 53.7 80.5

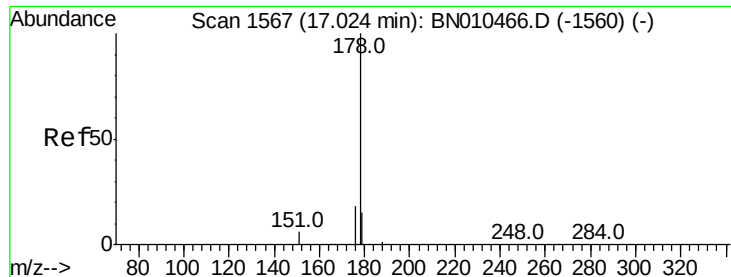


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.540 ng

RT: 17.00 min Scan# 1565

Delta R.T. -0.01 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

Instrument :

BNA_N

ClientSampleId :

PA-TWP-2MSD

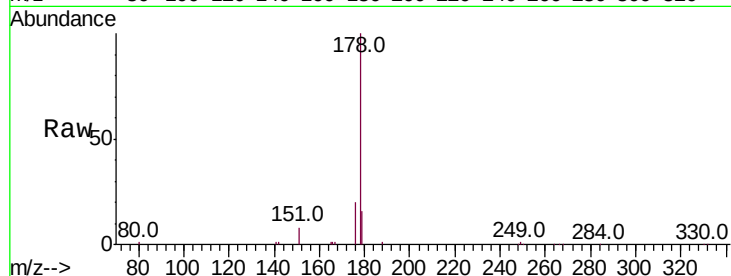
Tot Ion:178 Resp: 28864

Ion Ratio Lower Upper

178 100

176 19.2 15.0 22.4

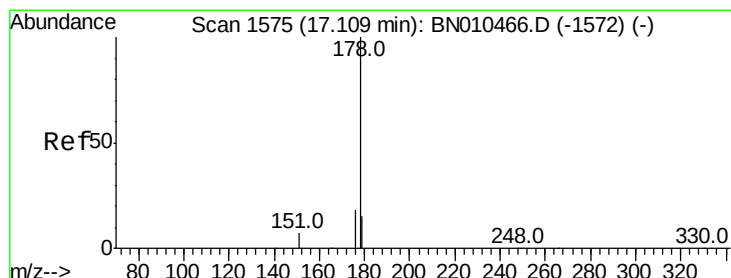
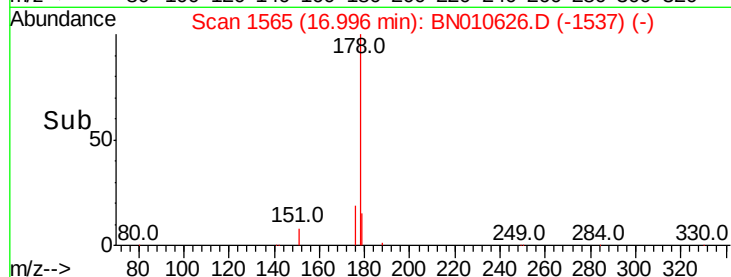
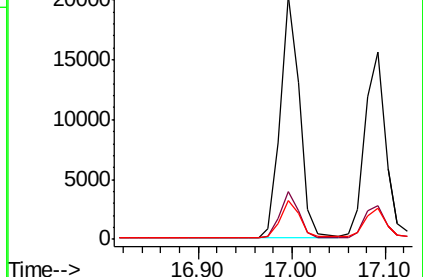
179 15.8 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.491 ng

RT: 17.09 min Scan# 1574

Delta R.T. 0.00 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

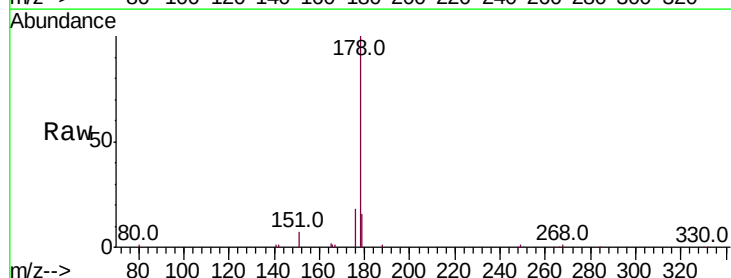
Tgt Ion:178 Resp: 23977

Ion Ratio Lower Upper

178 100

176 18.3 14.6 21.8

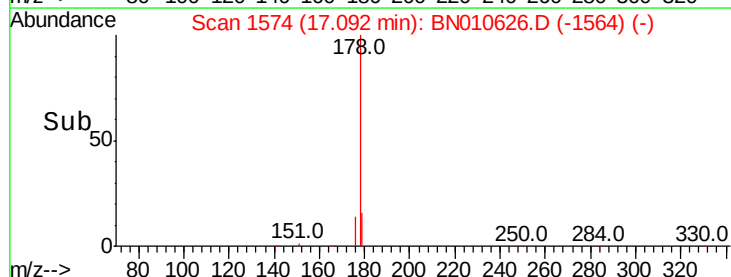
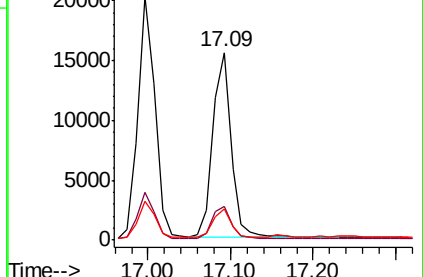
179 15.2 12.2 18.2

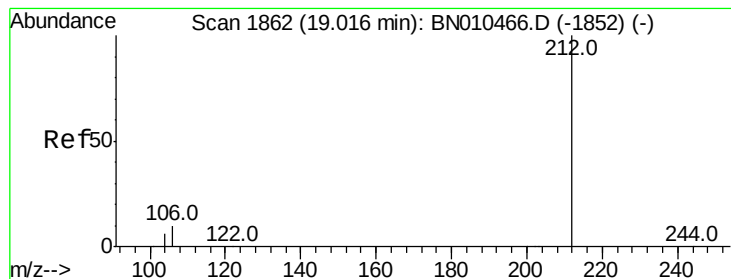


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.344 ng

RT: 18.99 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

Instrument :

BNA_N

ClientSampleId :

PA-TWP-2MSD

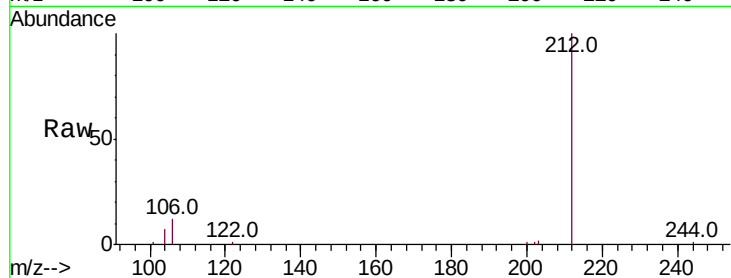
Tot Ion:212 Resp: 20646

Ion Ratio Lower Upper

212 100

106 10.3 7.8 11.6

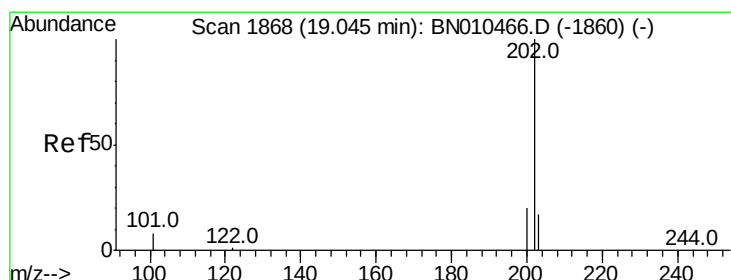
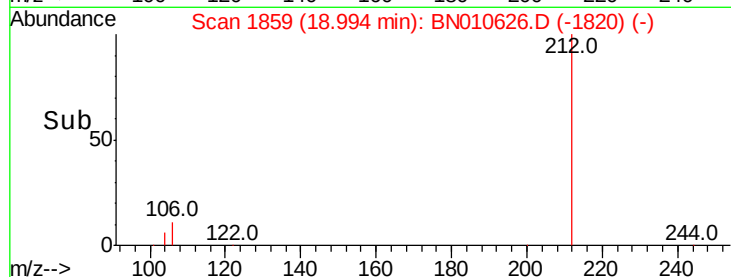
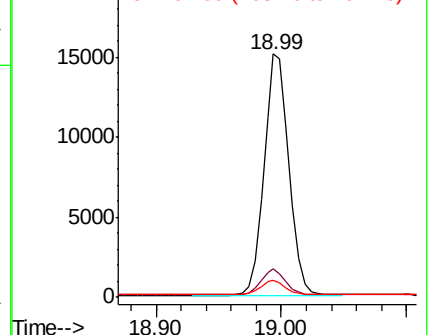
104 6.1 4.5 6.7



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.500 ng

RT: 19.03 min Scan# 1866

Delta R.T. 0.00 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

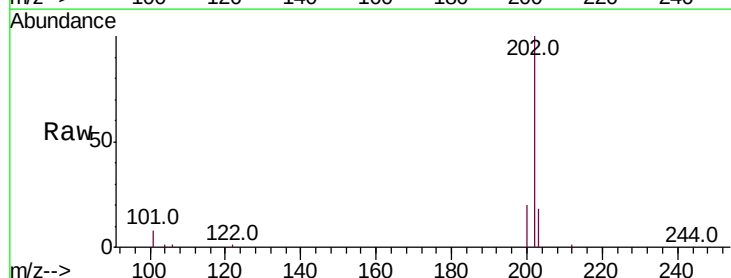
Tgt Ion:202 Resp: 33298

Ion Ratio Lower Upper

202 100

101 8.7 6.9 10.3

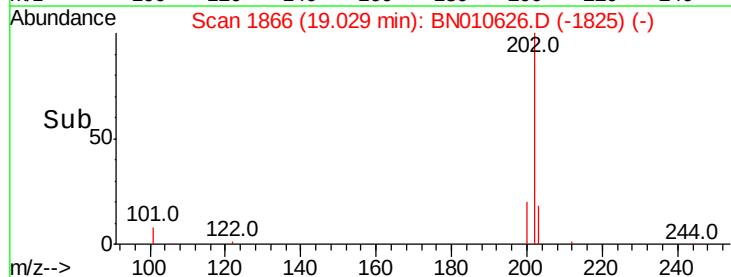
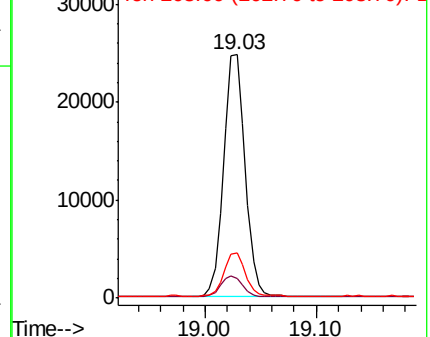
203 17.6 13.9 20.9

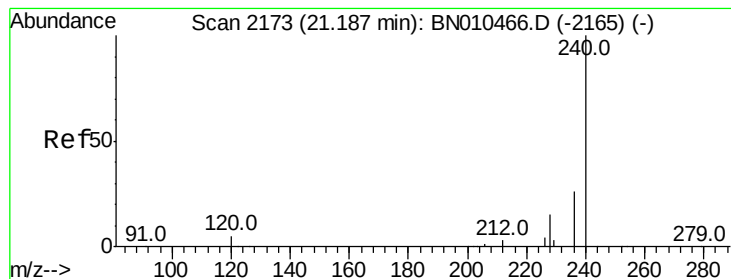


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.16 min Scan# 2172

Delta R.T. -0.00 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

Instrument :

BNA_N

ClientSampleId :

PA-TWP-2MSD

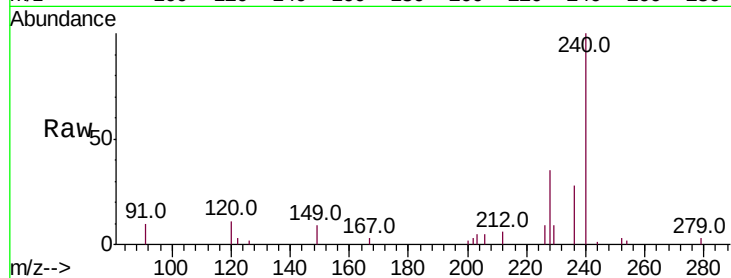
Tot Ion:240 Resp: 18808

Ion Ratio Lower Upper

240 100

120 10.6 4.8 7.2#

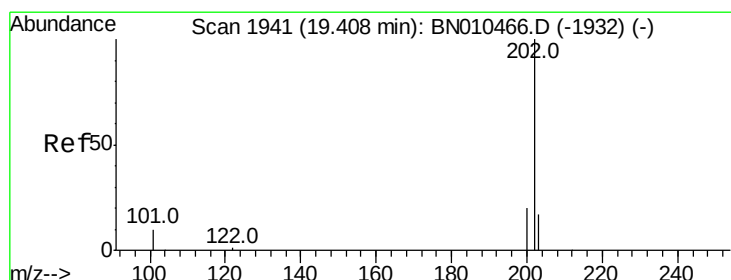
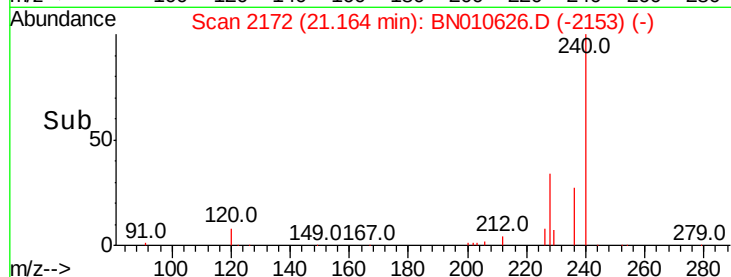
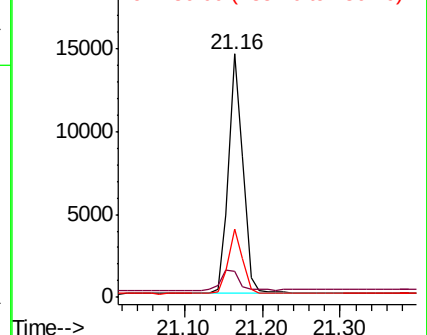
236 27.8 21.4 32.0



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: 0.540 ng

RT: 19.39 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

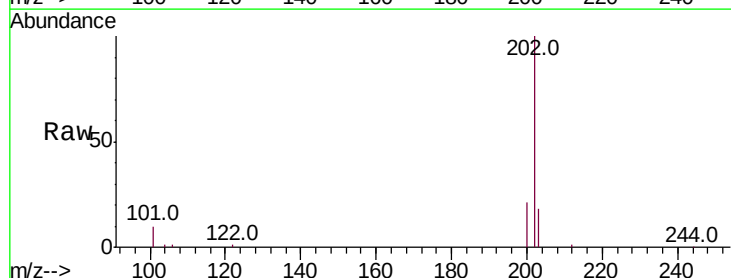
Tgt Ion:202 Resp: 34217

Ion Ratio Lower Upper

202 100

200 20.4 16.3 24.5

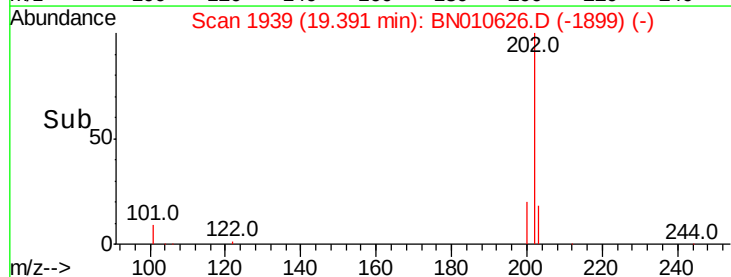
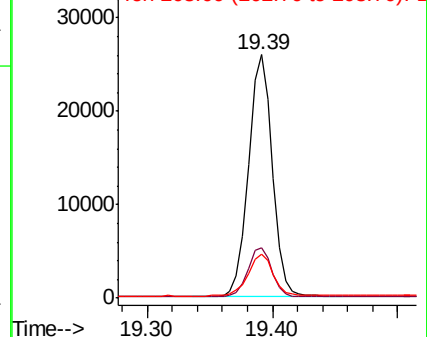
203 18.2 14.0 21.0

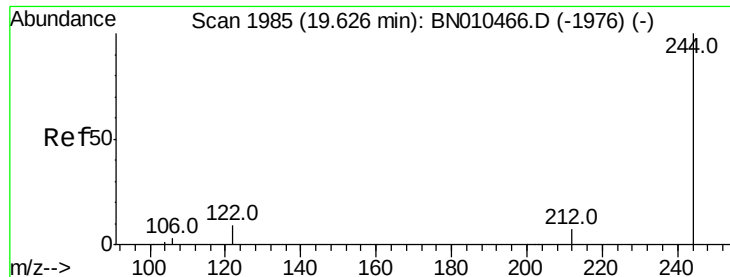


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.471 ng

RT: 19.61 min Scan# 1983

Delta R.T. -0.00 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

Instrument :

BNA_N

ClientSampleId :

PA-TWP-2MSD

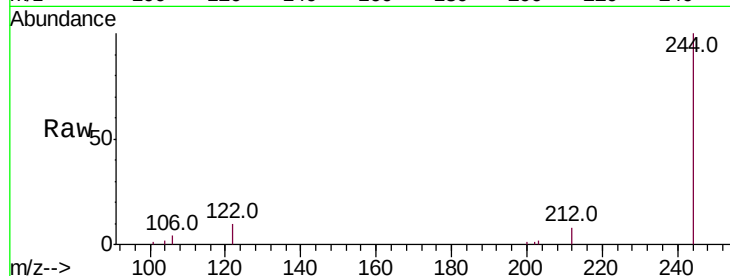
Tot Ion:244 Resp: 20289

Ion Ratio Lower Upper

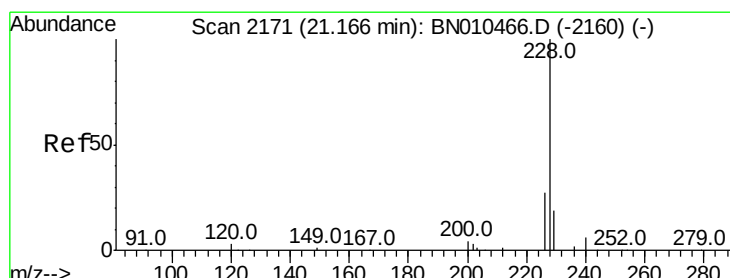
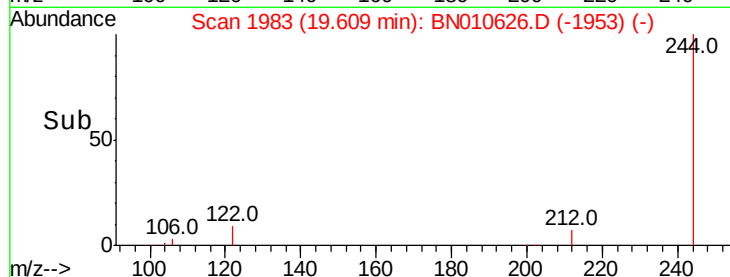
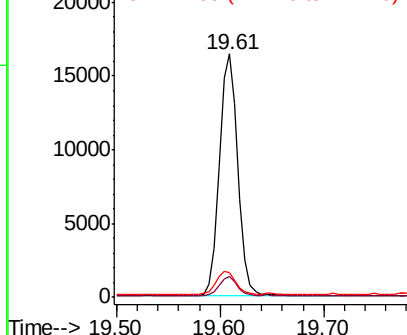
244 100

212 8.4 6.2 9.4

122 10.1 7.8 11.8



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.485 ng

RT: 21.15 min Scan# 2171

Delta R.T. -0.00 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

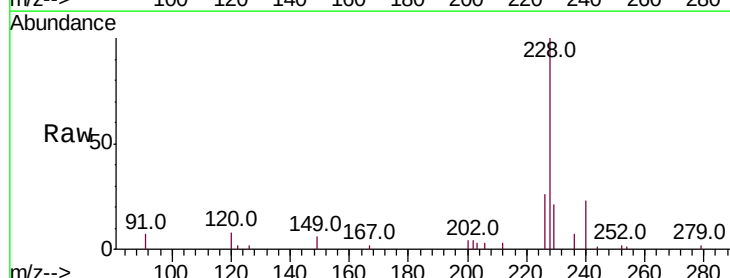
Tgt Ion:228 Resp: 29759

Ion Ratio Lower Upper

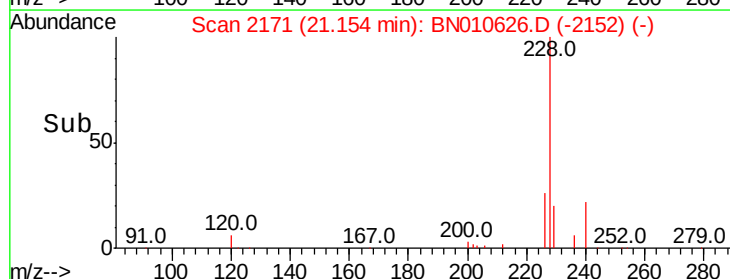
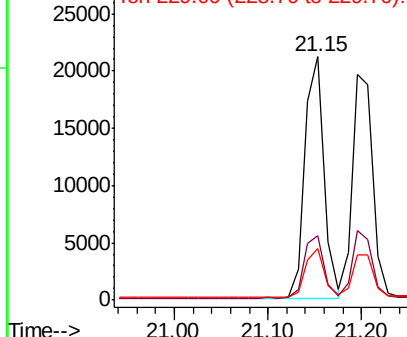
228 100

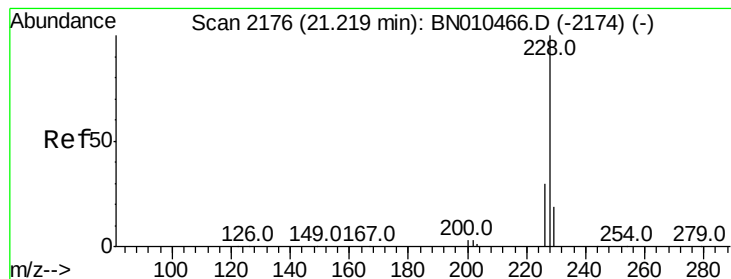
226 26.5 21.7 32.5

229 21.0 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



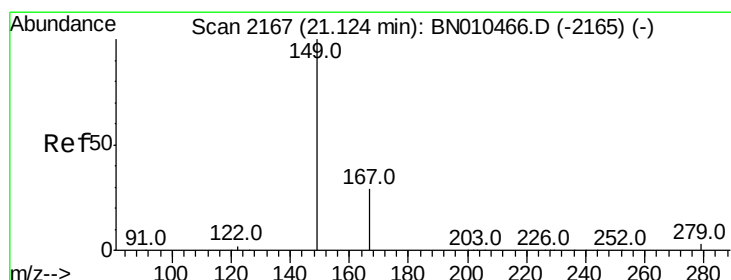
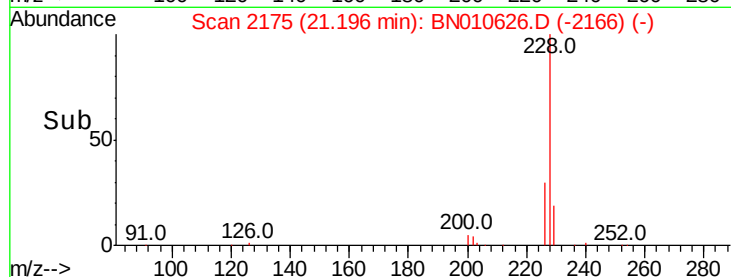
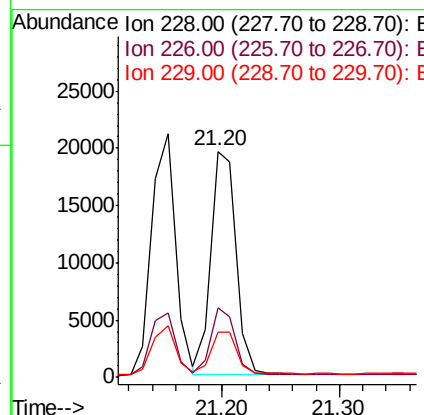
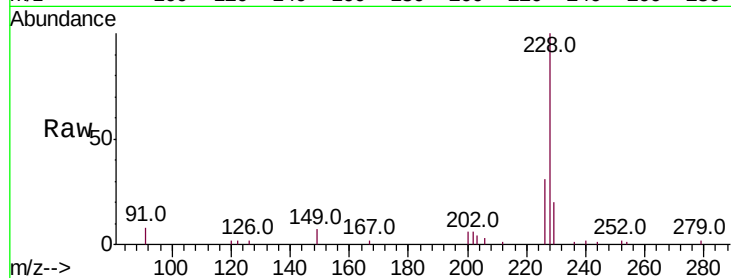


#31
 Chrysene
 Concen: 0.481 ng
 RT: 21.20 min Scan# 2175
 Delta R.T. -0.00 min
 Lab File: BN010626.D
 Acq: 28 Apr 2020 16:24

Instrument :
 BNA_N
 ClientSampleId :
 PA-TWP-2MSD

Tot Ion:228 Resp: 29396

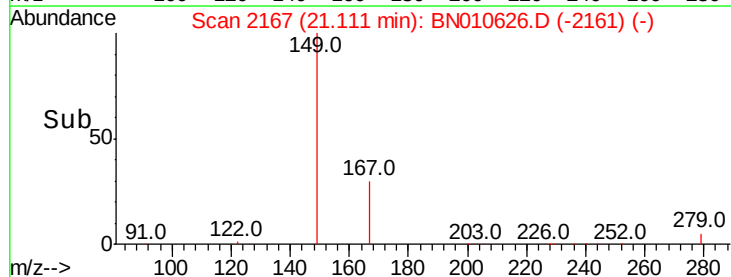
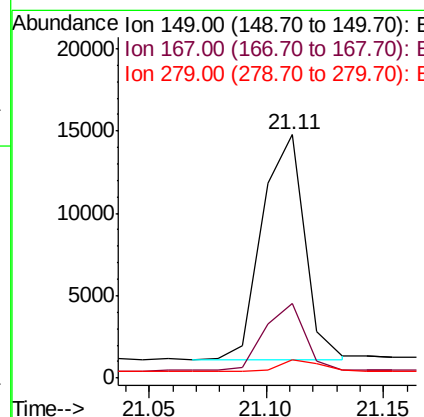
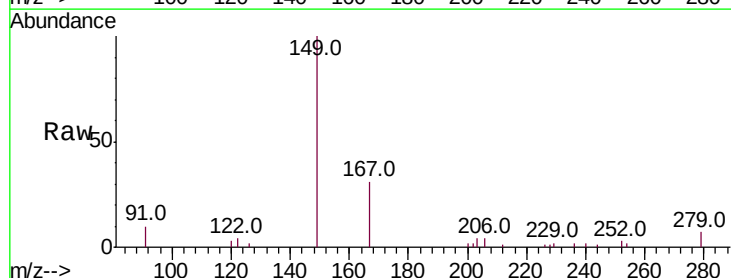
Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.0	36.0
229	20.2	15.8	23.6

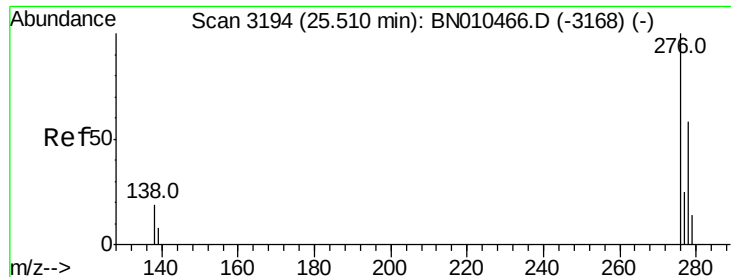


#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.548 ng
 RT: 21.11 min Scan# 2167
 Delta R.T. 0.01 min
 Lab File: BN010626.D
 Acq: 28 Apr 2020 16:24

Tgt Ion:149 Resp: 17265

Ion	Ratio	Lower	Upper
149	100		
167	28.2	23.4	35.0
279	4.9	4.0	6.0





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.508 ng

RT: 25.47 min Scan# 3184

Delta R.T. -0.01 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

Instrument :

BNA_N

ClientSampleId :

PA-TWP-2MSD

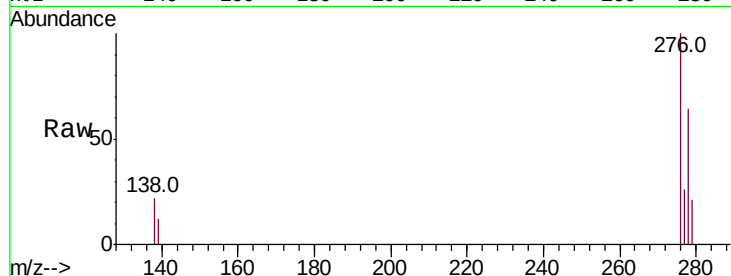
Tot Ion:276 Resp: 27477

Ion Ratio Lower Upper

276 100

138 21.5 16.4 24.6

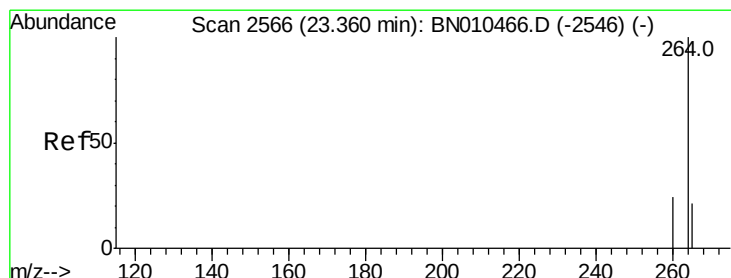
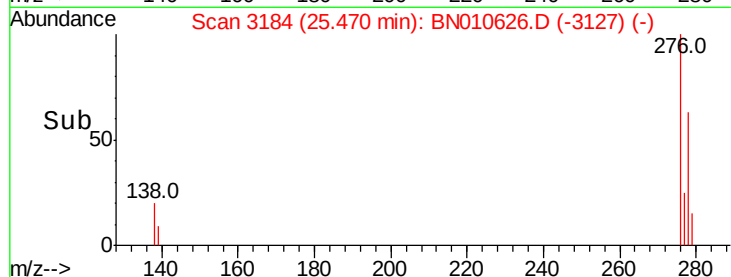
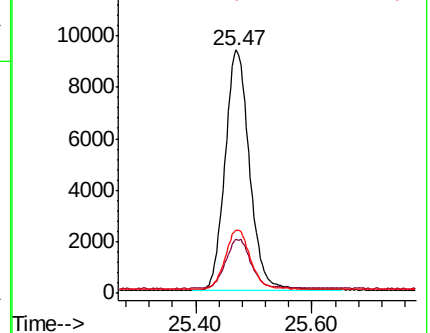
277 24.7 19.8 29.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.33 min Scan# 2560

Delta R.T. -0.00 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

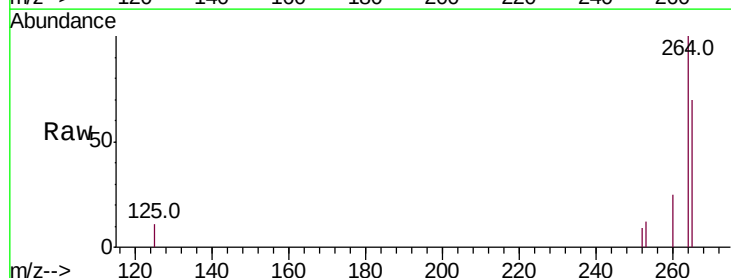
Tgt Ion:264 Resp: 16712

Ion Ratio Lower Upper

264 100

260 25.0 19.8 29.8

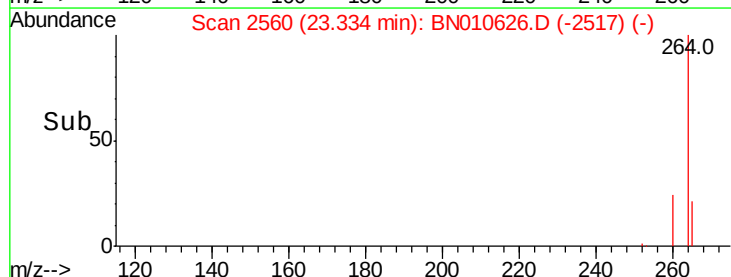
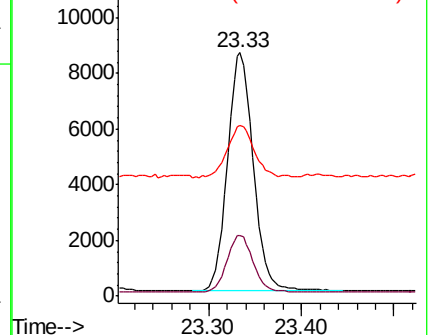
265 70.2 42.3 63.5#

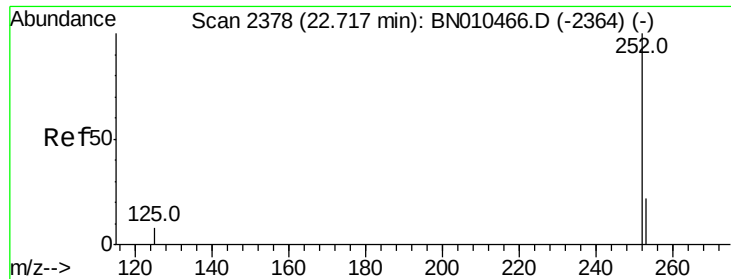


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

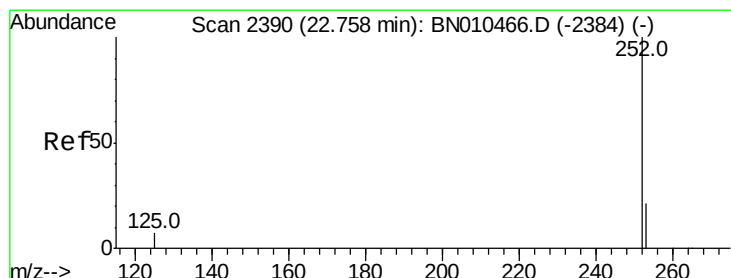
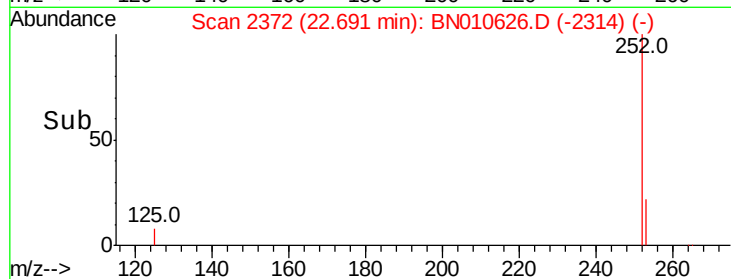
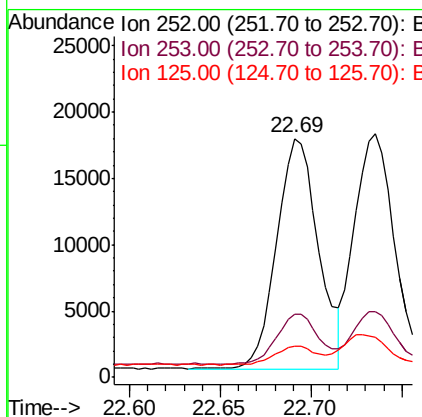
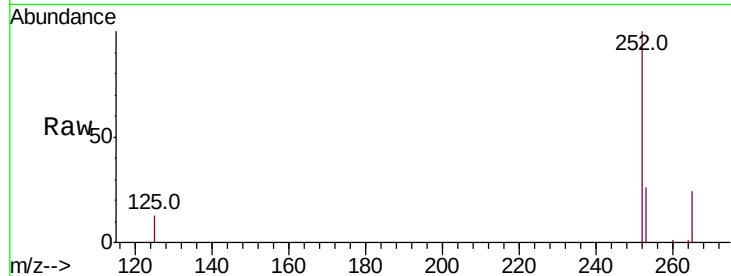




#35
Benzo(b)fluoranthene
Concen: 0.503 ng
RT: 22.69 min Scan# 2372
Delta R.T. -0.00 min
Lab File: BN010626.D
Acq: 28 Apr 2020 16:24

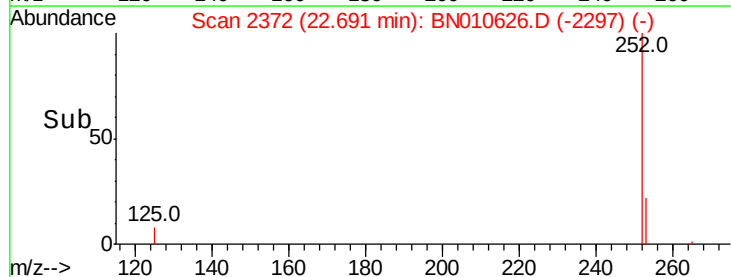
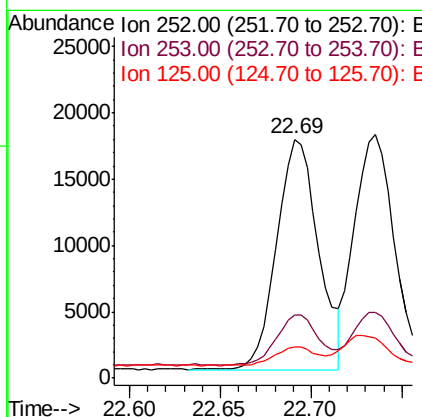
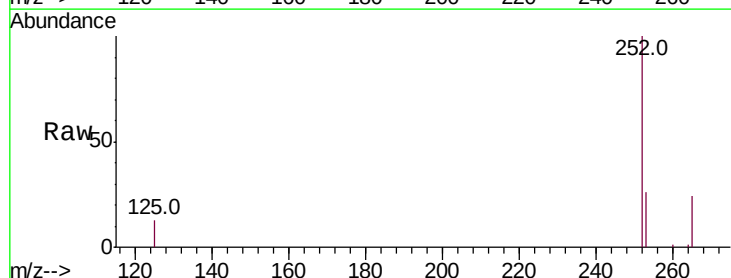
Instrument :
BNA_N
ClientSampleId :
PA-TWP-2MSD

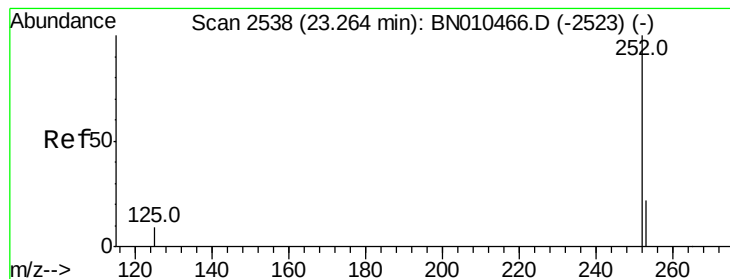
Tot Ion:252 Resp: 27695
Ion Ratio Lower Upper
252 100
253 26.4 20.2 30.4
125 13.2 9.2 13.8



#36
Benzo(k)fluoranthene
Concen: 0.502 ng
RT: 22.69 min Scan# 2372
Delta R.T. -0.04 min
Lab File: BN010626.D
Acq: 28 Apr 2020 16:24

Tgt Ion:252 Resp: 27695
Ion Ratio Lower Upper
252 100
253 26.4 20.1 30.1
125 13.2 9.6 14.4





#37

Benzo(a)pyrene

Concen: 0.491 ng

RT: 23.24 min Scan# 2532

Delta R.T. -0.01 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

Instrument :

BNA_N

ClientSampleId :

PA-TWP-2MSD

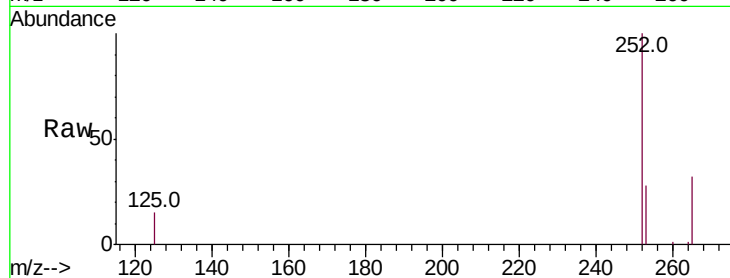
Tot Ion:252 Resp: 23895

Ion Ratio Lower Upper

252 100

253 27.7 21.8 32.8

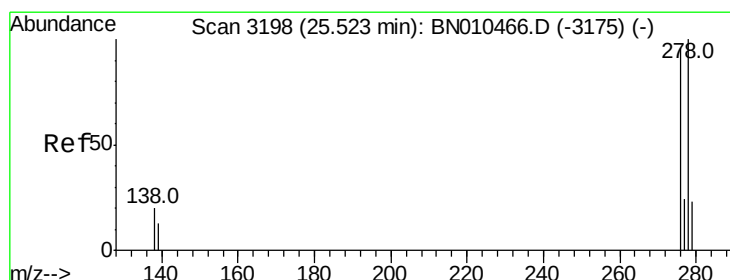
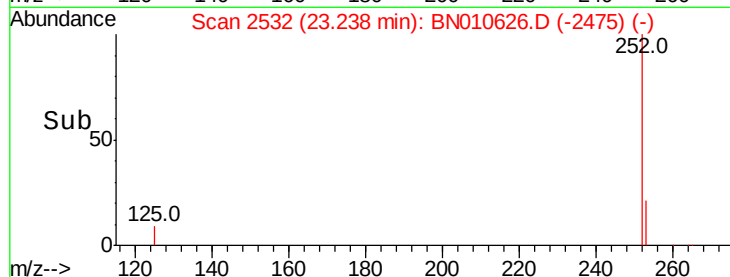
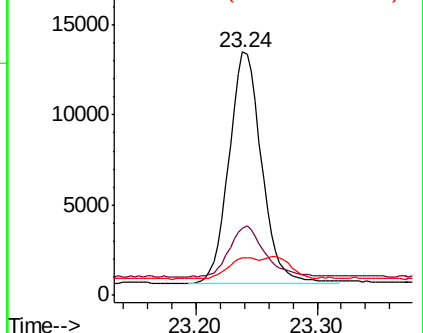
125 15.4 11.0 16.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.511 ng

RT: 25.48 min Scan# 3188

Delta R.T. -0.00 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

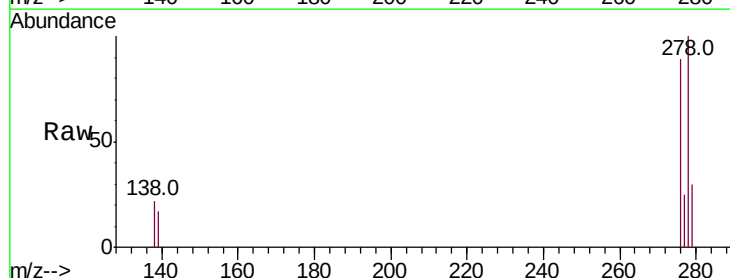
Tgt Ion:278 Resp: 22775

Ion Ratio Lower Upper

278 100

139 17.0 12.3 18.5

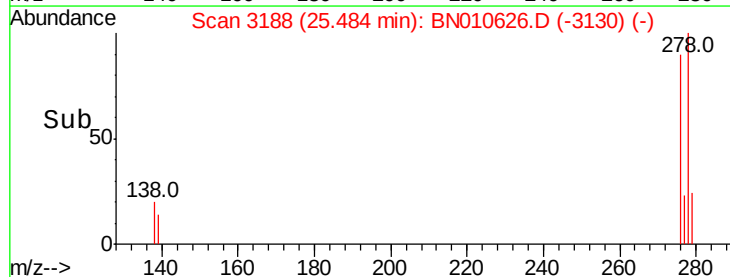
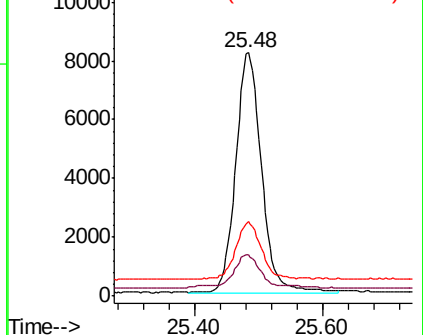
279 30.4 21.9 32.9

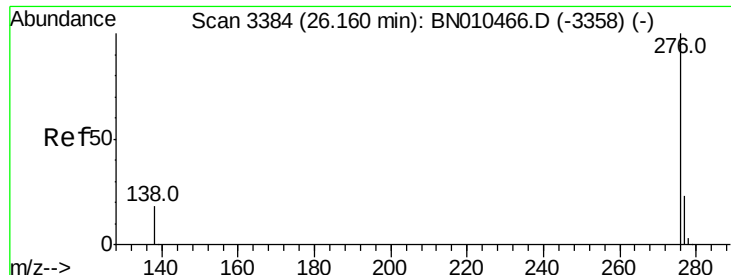


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.519 ng

RT: 26.12 min Scan# 3373

Delta R.T. -0.00 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

Instrument :

BNA_N

ClientSampleId :

PA-TWP-2MSD

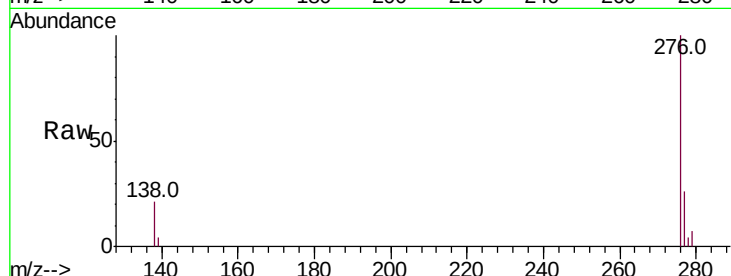
Tot Ion:276 Resp: 23264

Ion Ratio Lower Upper

276 100

277 25.6 20.2 30.2

138 20.8 15.4 23.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

