

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031820\
 Data File : BN010278.D
 Acq On : 18 Mar 2020 23:56
 Operator : CG/JU
 Sample : L1945-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE122D1-20200312

Quant Time: Mar 19 01:44:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 16 02:17:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	3772	0.40	ng	0.00
7) Naphthalene-d8	10.38	136	12998	0.40	ng	-0.01
13) Acenaphthene-d10	14.25	164	7923	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	2642	0.40	ng	0.08
27) Chrysene-d12	21.19	240	19507	0.40	ng	-0.01
34) Perylene-d12	23.35	264	21878	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.26	112	1735	0.20	ng	0.00
5) Phenol-d6	6.81	99	1571	0.14	ng	0.00
8) Nitrobenzene-d5	8.76	82	5980	0.77	ng	-0.01
11) 2-Methylnaphthalene-d10	11.97	152	7949	0.37	ng	-0.02
14) 2,4,6-Tribromophenol	15.73	330	1214	0.43	ng	-0.02
15) 2-Fluorobiphenyl	12.86	172	23346	0.83	ng	-0.01
25) Fluoranthene-d10	19.02	212	22917	2.81	ng	-0.01
29) Terphenyl-d14	19.63	244	30423	0.68	ng	-0.02

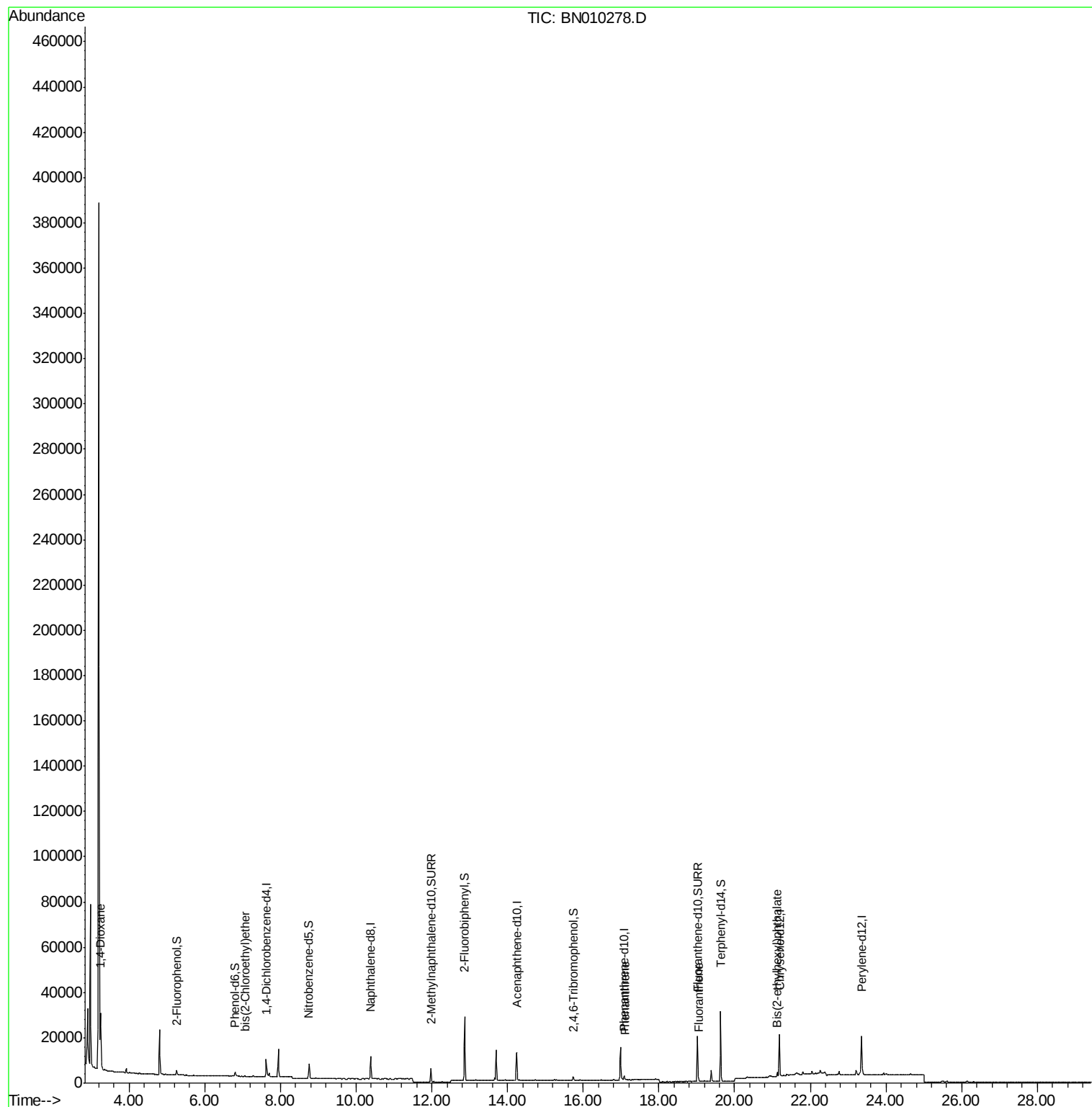
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.25	88	13647	3.708	ng	# 52
6) bis(2-Chloroethyl)ether	7.06	93	187	0.020	ng	97
23) Phenanthrene	17.11	178	187	0.027	ng	# 86
26) Fluoranthene	19.05	202	342	0.039	ng	98
32) Bis(2-ethylhexyl)phthalate	21.13	149	1697	0.060	ng	# 97

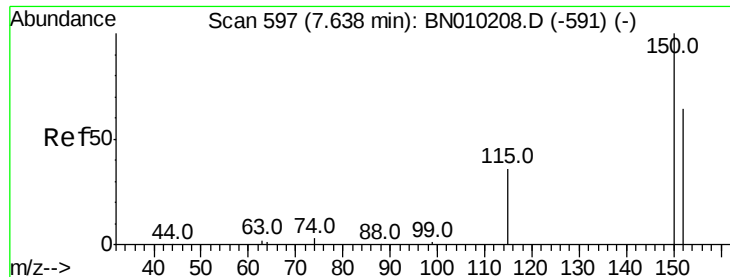
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.63 min Scan# 596

Delta R.T. -0.01 min

Lab File: BN010278.D

Acq: 18 Mar 2020 23:56

Instrument :

BNA_N

ClientSampleId :

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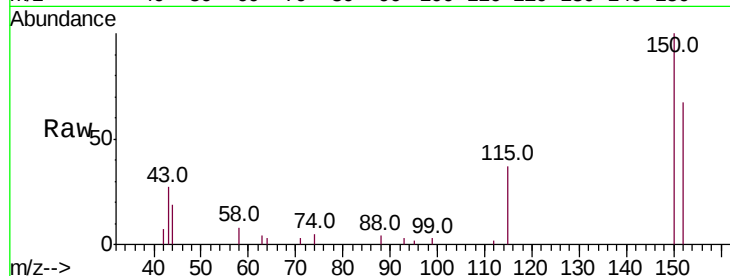
Tot Ion:152 Resp: 3772

Ion Ratio Lower Upper

152 100

150 150.3 119.5 179.3

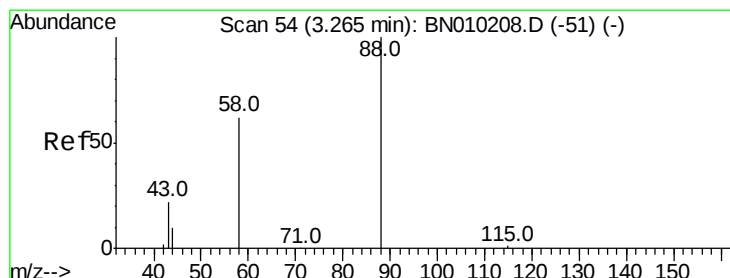
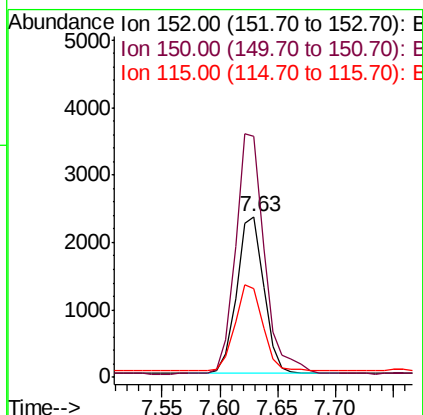
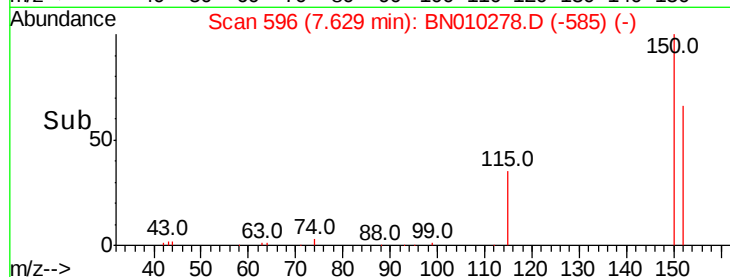
115 55.5 50.9 76.3



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: 3.708 ng

RT: 3.25 min Scan# 52

Delta R.T. -0.02 min

Lab File: BN010278.D

Acq: 18 Mar 2020 23:56

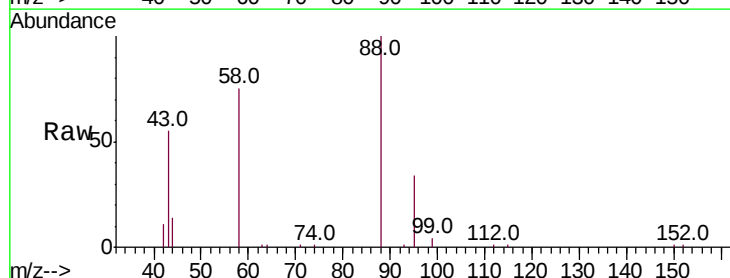
Tgt Ion: 88 Resp: 13647

Ion Ratio Lower Upper

88 100

58 63.4 97.8 146.8#

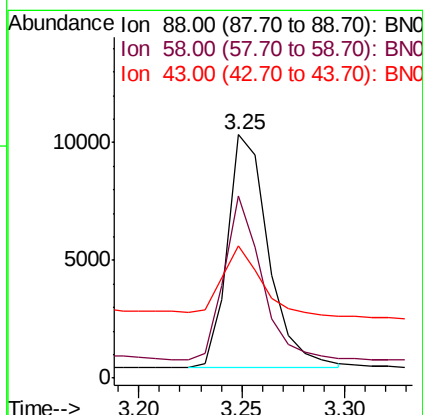
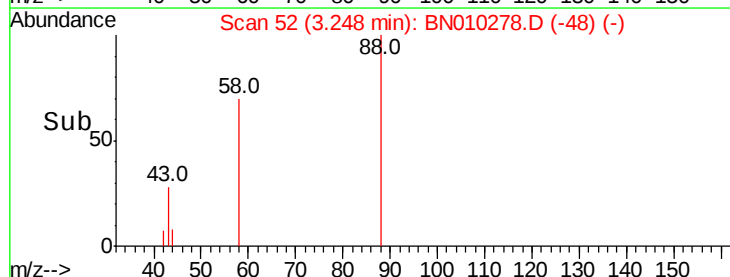
43 28.4 45.1 67.7#

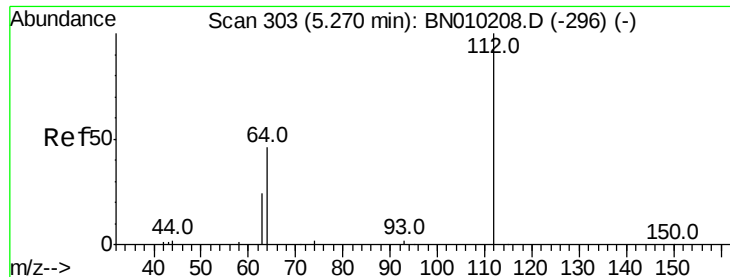


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#4

2-Fluorophenol

Concen: 0.196 ng

RT: 5.26 min Scan# 302

Delta R.T. -0.01 min

Lab File: BN010278.D

Acq: 18 Mar 2020 23:56

Instrument :

BNA_N

ClientSampleId :

RE122D1-20200312

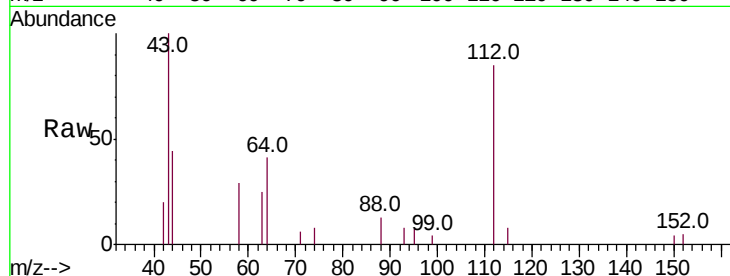
Tot Ion:112 Resp: 1735

Ion Ratio Lower Upper

112 100

64 52.7 42.6 63.8

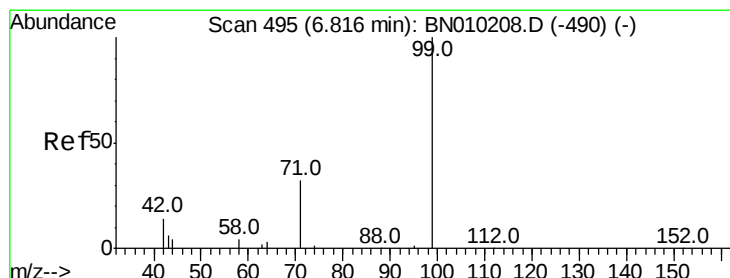
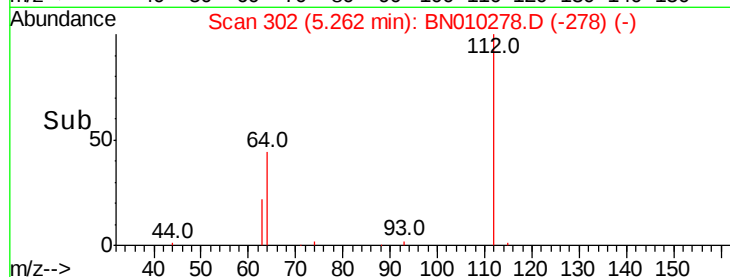
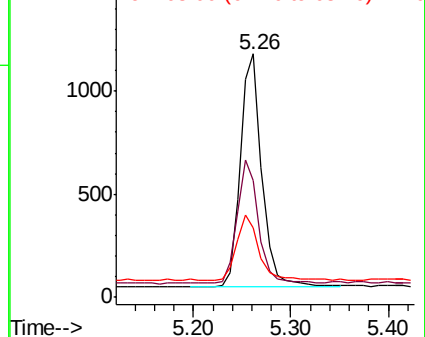
63 28.5 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#5

Phenol-d6

Concen: 0.142 ng

RT: 6.81 min Scan# 494

Delta R.T. -0.01 min

Lab File: BN010278.D

Acq: 18 Mar 2020 23:56

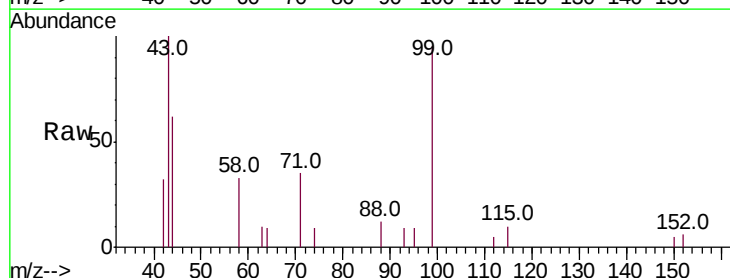
Tgt Ion: 99 Resp: 1571

Ion Ratio Lower Upper

99 100

42 23.0 12.0 18.0#

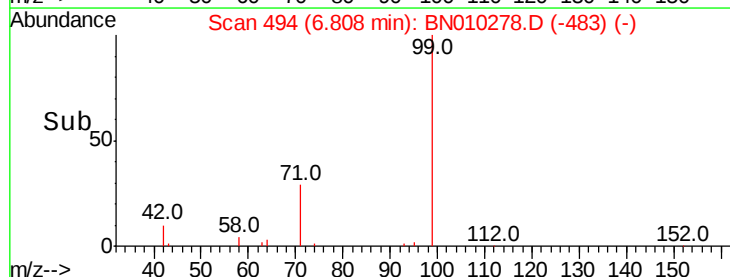
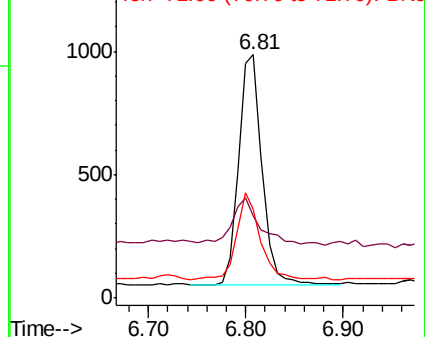
71 38.7 22.6 33.8#

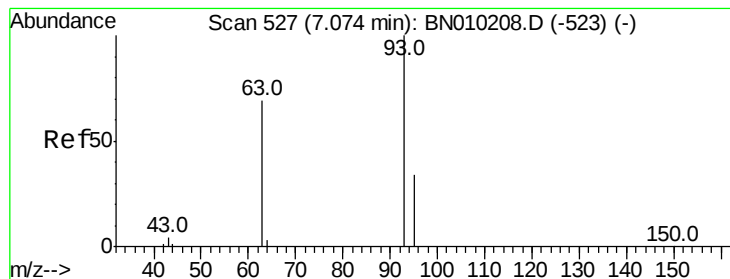


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#6

bis(2-Chloroethyl)ether

Concen: 0.020 ng

RT: 7.06 min Scan# 525

Delta R.T. -0.02 min

Lab File: BN010278.D

Acq: 18 Mar 2020 23:56

Instrument :

BNA_N

ClientSampleId :

RE122D1-20200312

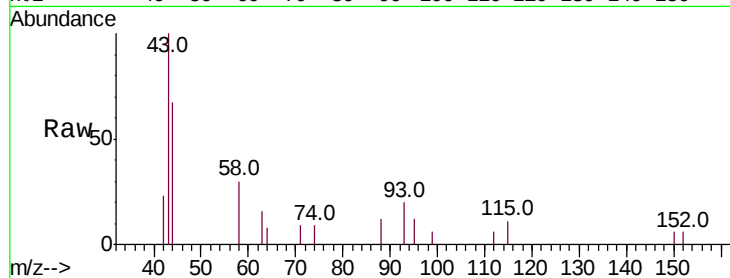
Tot Ion: 93 Resp: 187

Ion Ratio Lower Upper

93 100

63 65.2 53.4 80.0

95 33.2 28.6 42.8



Abundance Ion 93.00 (92.70 to 93.70): BN010208.D (-523) (-)

Ion 63.00 (62.70 to 63.70): BN010208.D (-523) (-)

Ion 95.00 (94.70 to 95.70): BN010208.D (-523) (-)

7.06

250

200

150

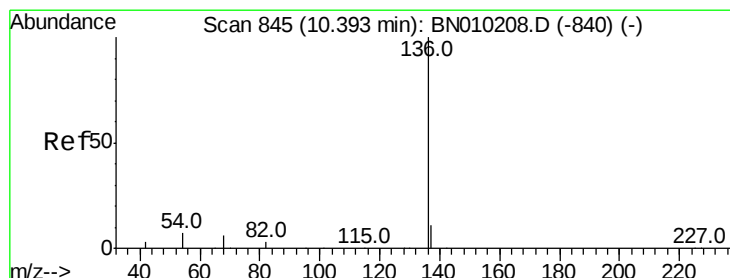
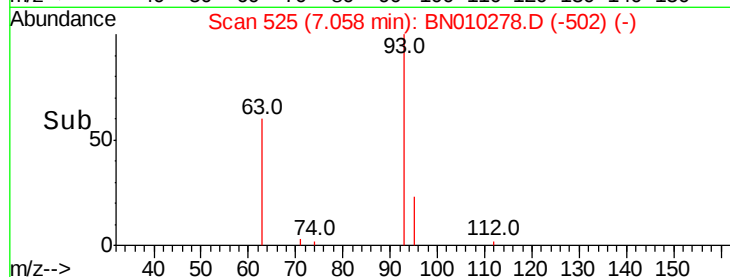
100

50

0

6.95 7.00 7.05 7.10 7.15

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.38 min Scan# 844

Delta R.T. -0.01 min

Lab File: BN010278.D

Acq: 18 Mar 2020 23:56

Tgt Ion: 136 Resp: 12998

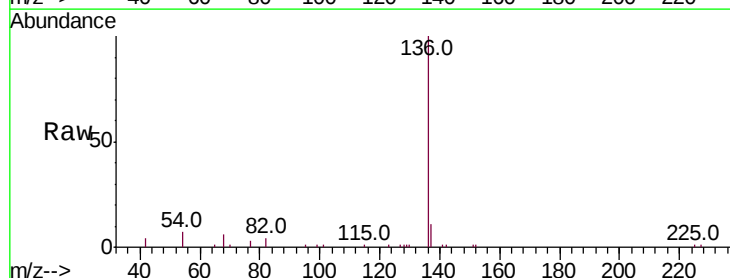
Ion Ratio Lower Upper

136 100

137 11.5 10.6 15.8

54 7.0 9.5 14.3#

68 6.1 9.7 14.5#



Abundance Ion 136.00 (135.70 to 136.70): BN010208.D (-840) (-)

Ion 137.00 (136.70 to 137.70): BN010208.D (-840) (-)

Ion 54.00 (53.70 to 54.70): BN010208.D (-840) (-)

Ion 68.00 (67.70 to 68.70): BN010208.D (-840) (-)

10.38

12000

10000

8000

6000

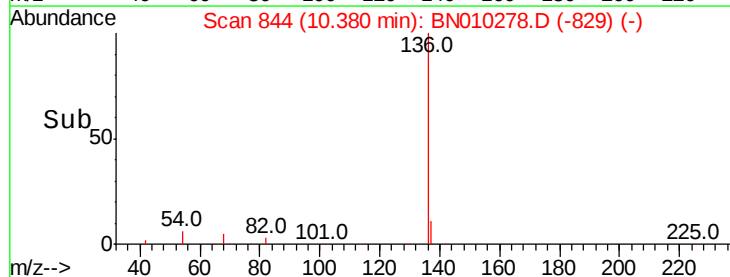
4000

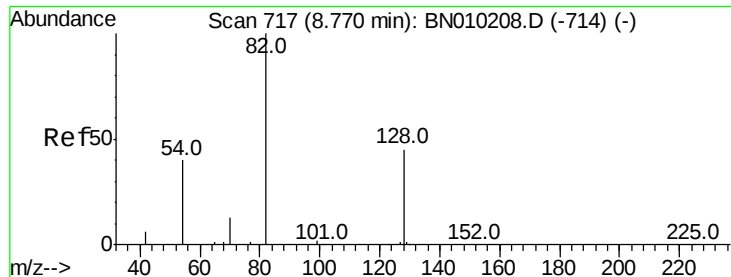
2000

0

10.20 10.40 10.60

Time-->

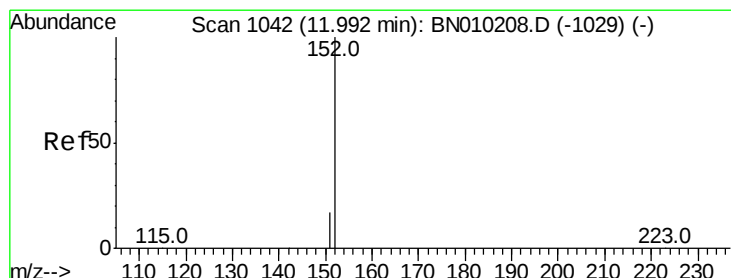
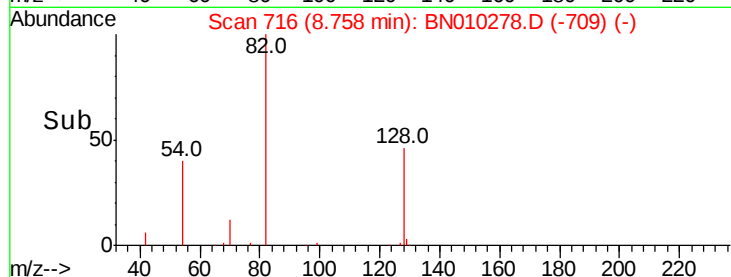
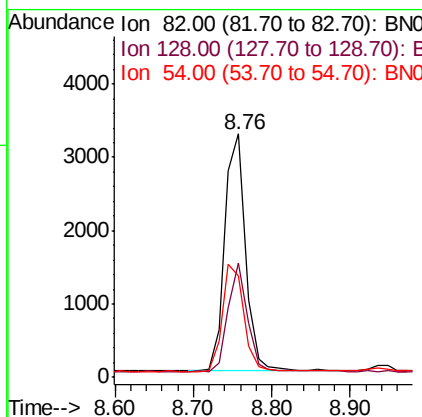
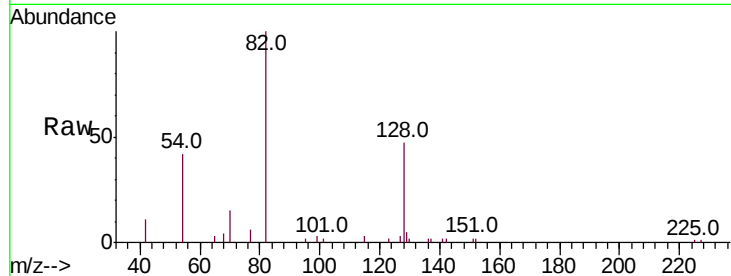




#8
 Nitrobenzene-d5
 Concen: 0.767 ng
 RT: 8.76 min Scan# 716
 Delta R.T. -0.01 min
 Lab File: BN010278.D
 Acq: 18 Mar 2020 23:56

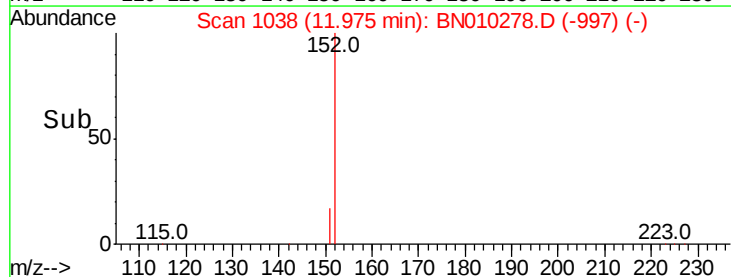
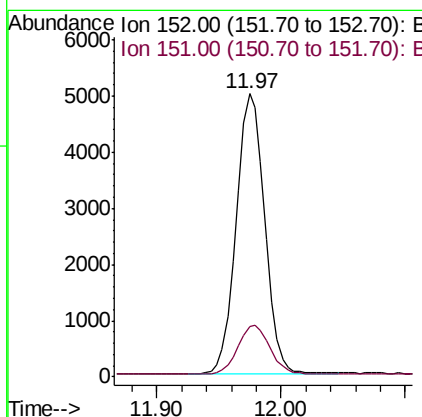
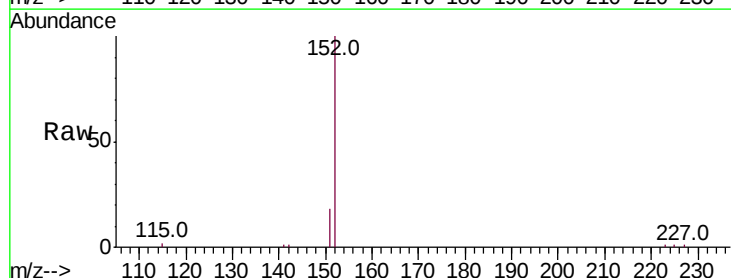
Instrument :
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 RE122D1-20200312

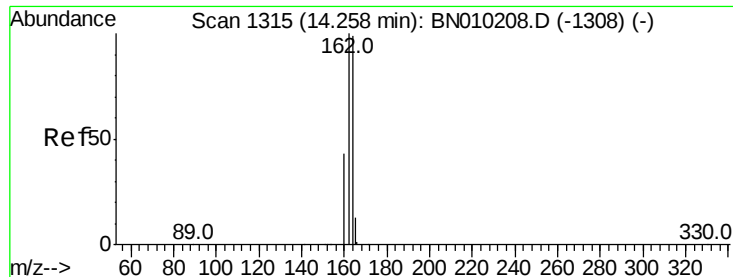
Tot Ion: 82 Resp: 5980
 Ion Ratio Lower Upper
 82 100
 128 46.9 35.0 52.6
 54 41.8 37.0 55.4



#11
 2-Methylnaphthalene-d10
 Concen: 0.370 ng
 RT: 11.97 min Scan# 1038
 Delta R.T. -0.02 min
 Lab File: BN010278.D
 Acq: 18 Mar 2020 23:56

Tgt Ion: 152 Resp: 7949
 Ion Ratio Lower Upper
 152 100
 151 19.4 15.0 22.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.25 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BN010278.D

Acq: 18 Mar 2020 23:56

Instrument :

BNA_N

ClientSampleId :

RE122D1-20200312

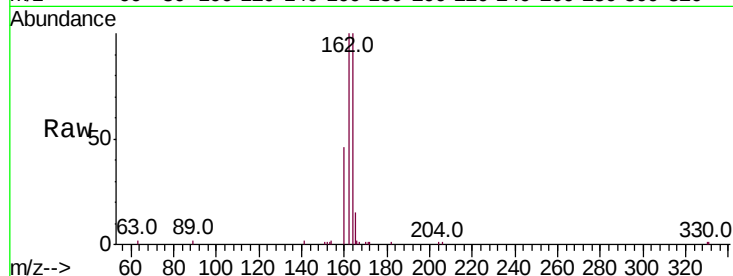
Tot Ion:164 Resp: 7923

Ion Ratio Lower Upper

164 100

162 99.5 81.0 121.4

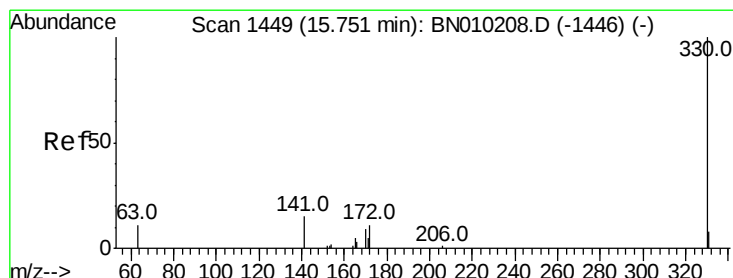
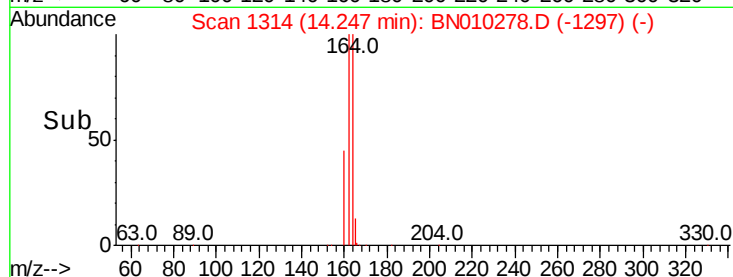
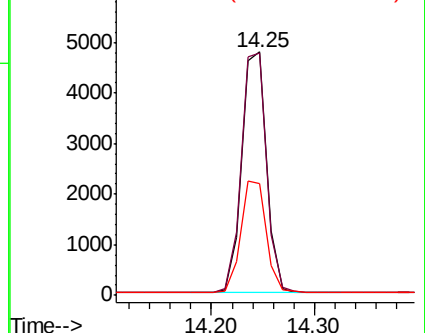
160 45.9 35.6 53.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.428 ng

RT: 15.73 min Scan# 1447

Delta R.T. -0.02 min

Lab File: BN010278.D

Acq: 18 Mar 2020 23:56

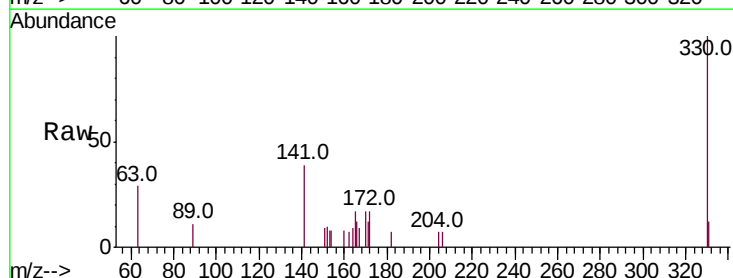
Tgt Ion:330 Resp: 1214

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

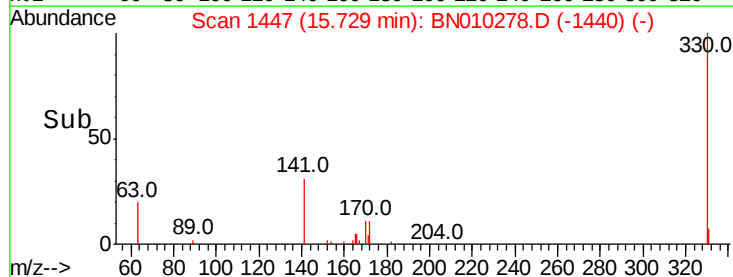
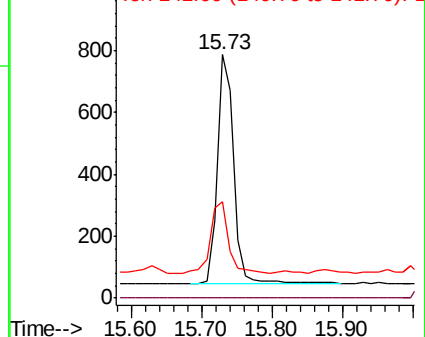
141 35.2 25.1 37.7

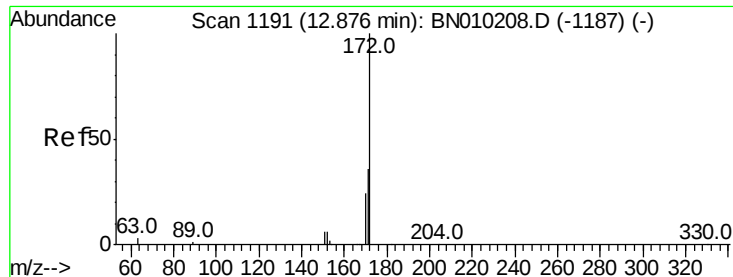


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

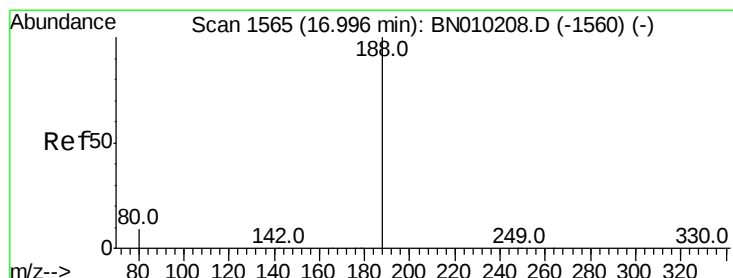
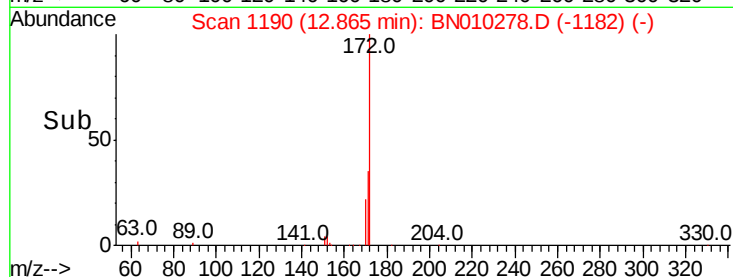
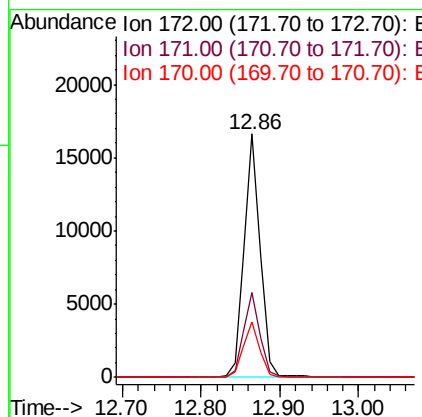
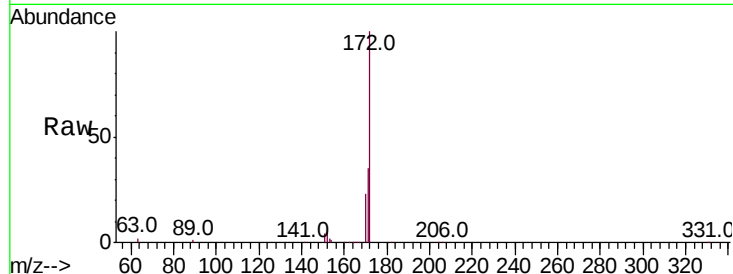




#15
2-Fluorobiphenyl
Concen: 0.828 ng
RT: 12.86 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BN010278.D
Acq: 18 Mar 2020 23:56

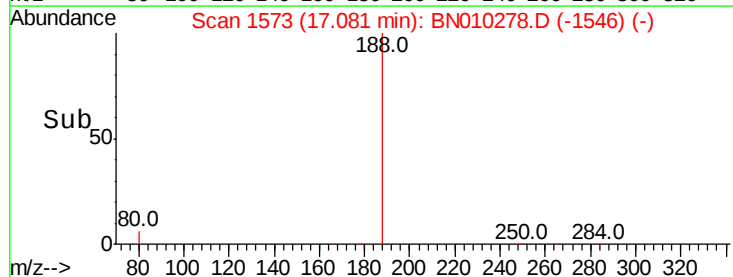
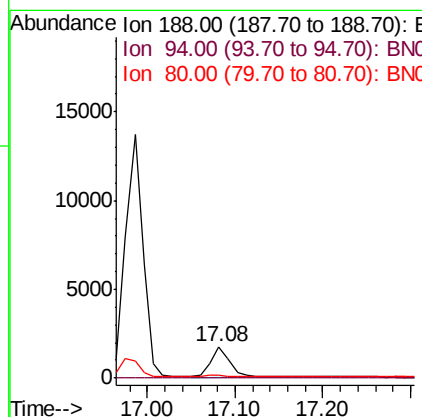
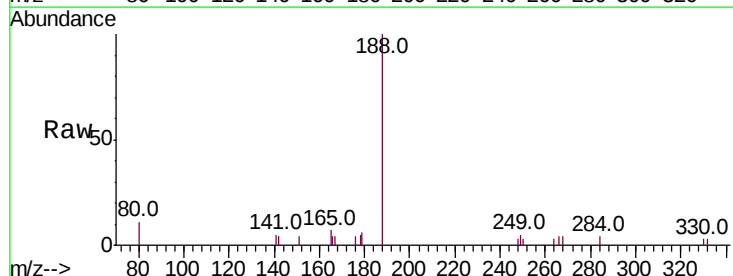
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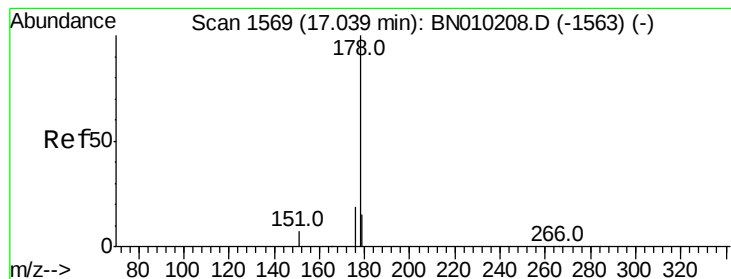
Tot Ion:172 Resp: 23346
Ion Ratio Lower Upper
172 100
171 34.8 29.4 44.2
170 22.6 20.2 30.4



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.08 min Scan# 1573
Delta R.T. 0.08 min
Lab File: BN010278.D
Acq: 18 Mar 2020 23:56

Tgt Ion:188 Resp: 2642
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.8 8.6 12.8





#23

Phenanthrene

Concen: 0.027 ng

RT: 17.11 min Scan# 1576

Delta R.T. 0.07 min

Lab File: BN010278.D

Acq: 18 Mar 2020 23:56

Instrument :

BNA_N

ClientSampleId :

RE122D1-20200312

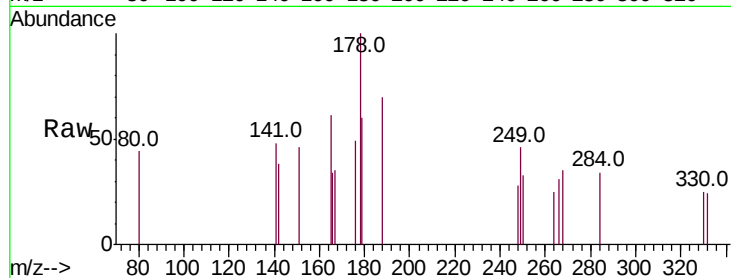
Tot Ion:178 Resp: 187

Ion Ratio Lower Upper

178 100

176 23.0 15.0 22.4#

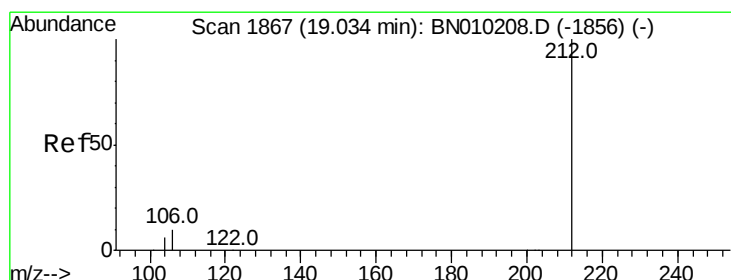
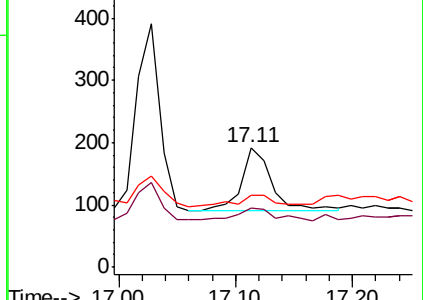
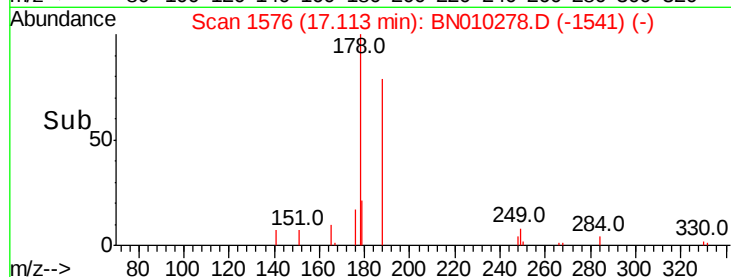
179 23.5 12.5 18.7#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 2.810 ng

RT: 19.02 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BN010278.D

Acq: 18 Mar 2020 23:56

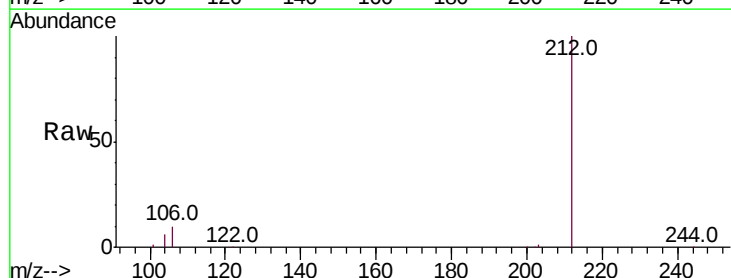
Tgt Ion:212 Resp: 22917

Ion Ratio Lower Upper

212 100

106 9.6 8.1 12.1

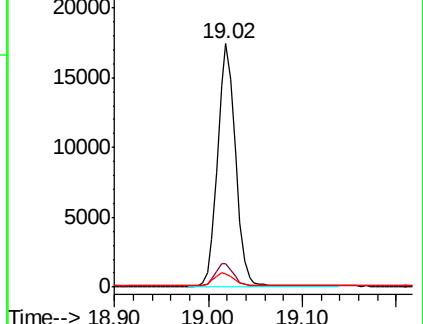
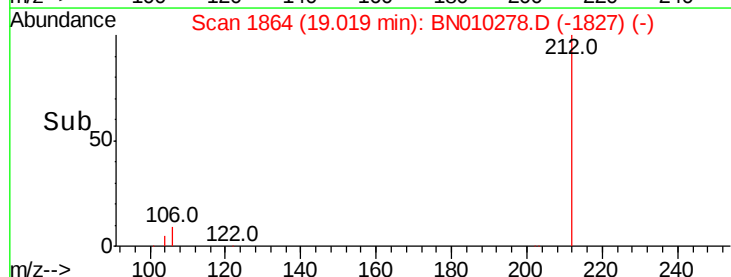
104 5.3 4.7 7.1

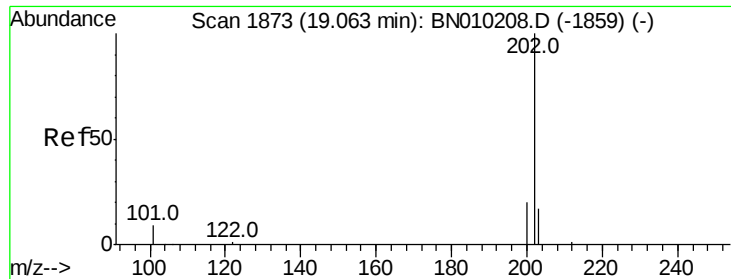


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

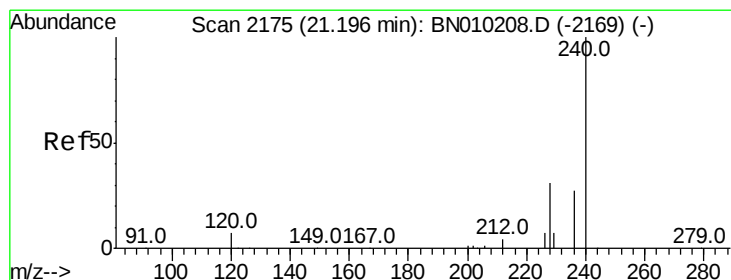
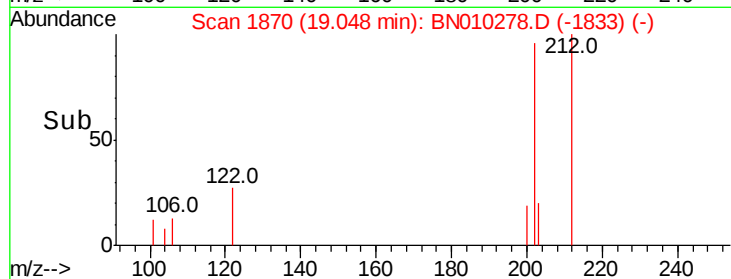
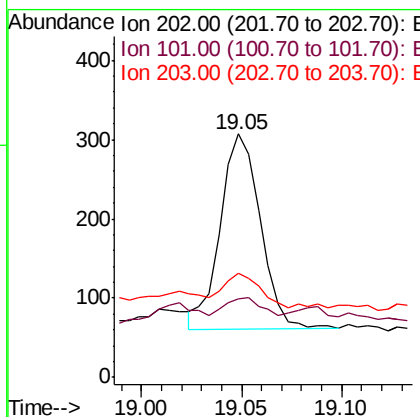
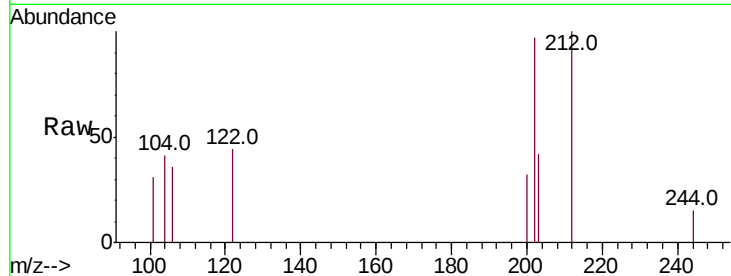




#26
Fluoranthene
Concen: 0.039 ng
RT: 19.05 min Scan# 1870
Delta R.T. -0.01 min
Lab File: BN010278.D
Acq: 18 Mar 2020 23:56

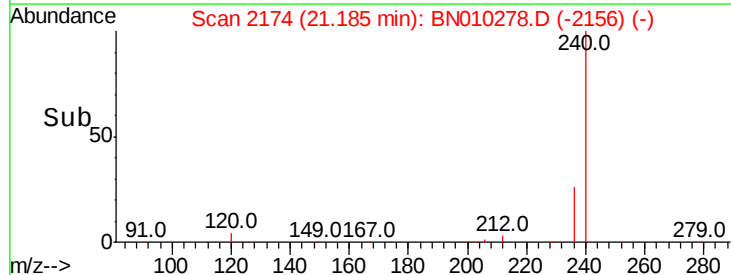
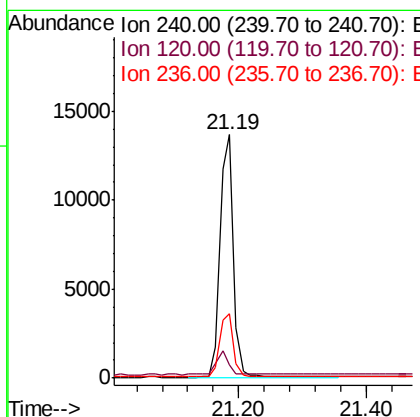
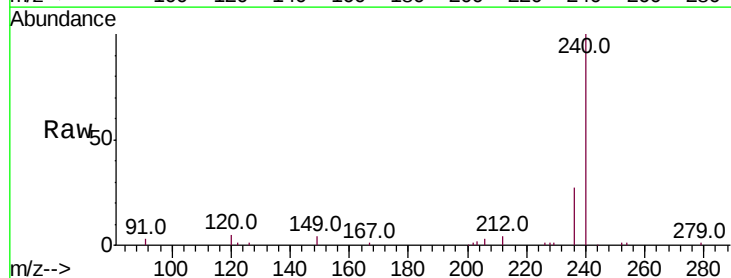
Instrument :
BNA_N
ClientSampleId :
RE122D1-20200312

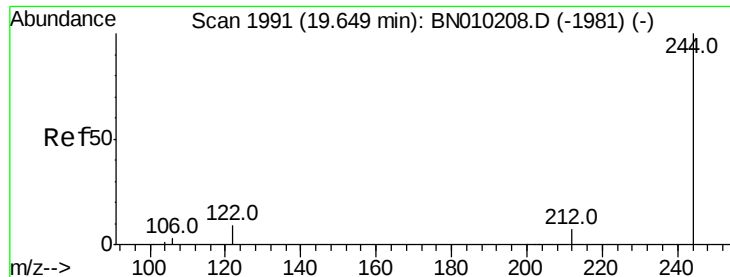
Tot Ion:202 Resp: 342
Ion Ratio Lower Upper
202 100
101 9.1 7.0 10.6
203 16.4 13.9 20.9



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.19 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN010278.D
Acq: 18 Mar 2020 23:56

Tgt Ion:240 Resp: 19507
Ion Ratio Lower Upper
240 100
120 5.3 7.7 11.5#
236 26.6 21.8 32.6





#29

Terphenyl-d14

Concen: 0.684 ng

RT: 19.63 min Scan# 1987

Delta R.T. -0.02 min

Lab File: BN010278.D

Acq: 18 Mar 2020 23:56

Instrument :

BNA_N

ClientSampleId :

RE122D1-20200312

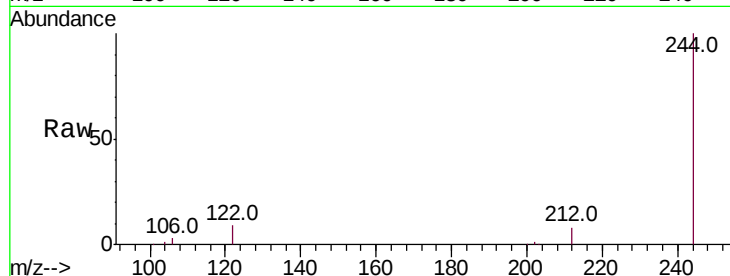
Tot Ion:244 Resp: 30423

Ion Ratio Lower Upper

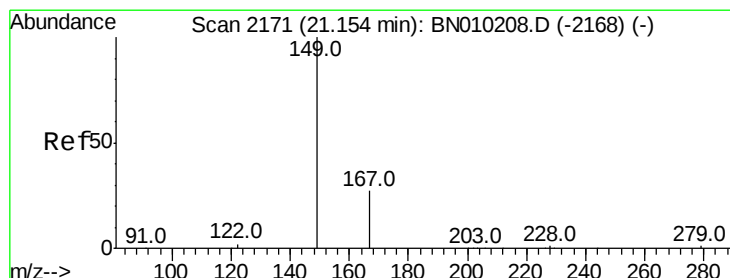
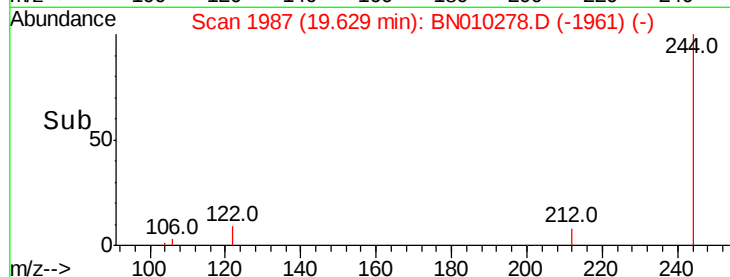
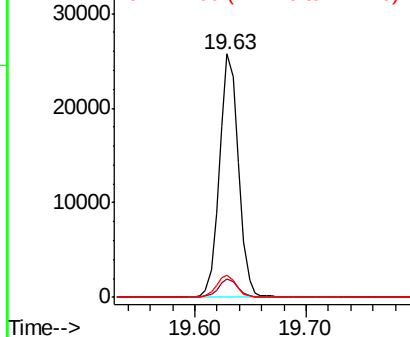
244 100

212 7.8 6.4 9.6

122 9.2 8.1 12.1



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.060 ng

RT: 21.13 min Scan# 2169

Delta R.T. -0.02 min

Lab File: BN010278.D

Acq: 18 Mar 2020 23:56

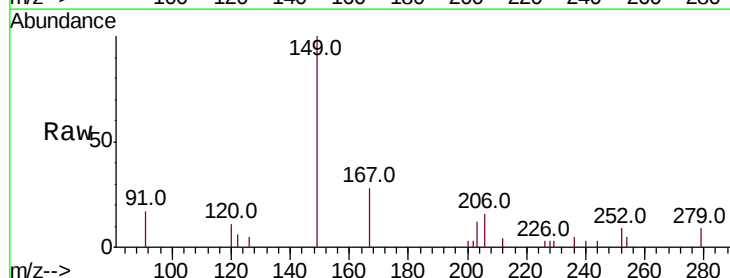
Tgt Ion:149 Resp: 1697

Ion Ratio Lower Upper

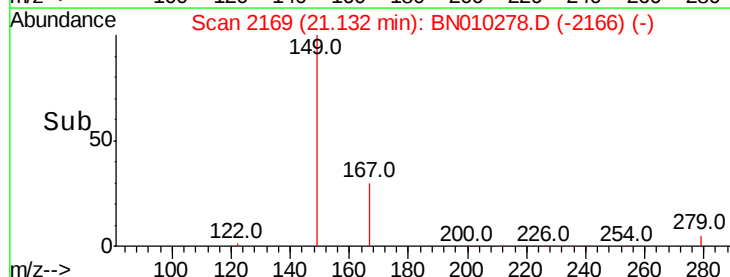
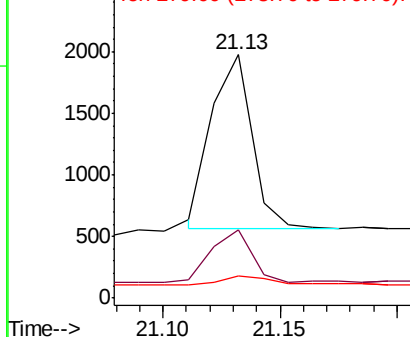
149 100

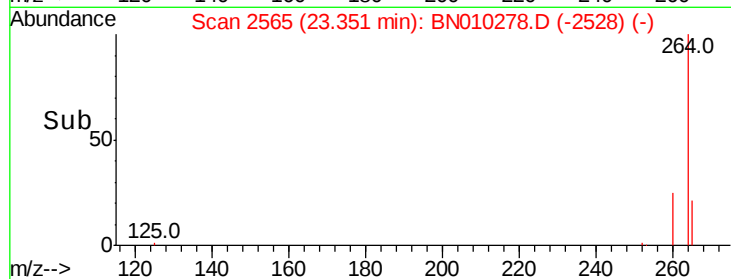
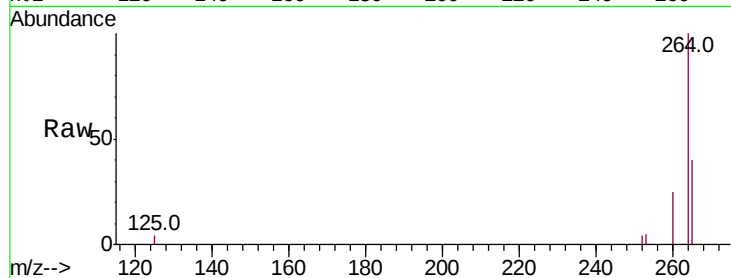
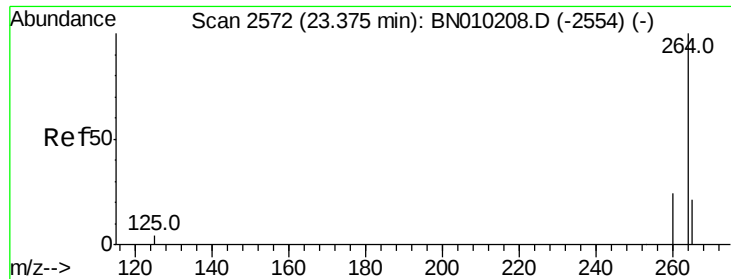
167 27.6 21.0 31.4

279 5.8 3.1 4.7#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.35 min Scan# 2565

Delta R.T. -0.02 min

Lab File: BN010278.D

Acq: 18 Mar 2020 23:56

Instrument :

BNA_N

ClientSampleId :

RE122D1-20200312

Tot Ion: 264 Resp: 21878

Ion Ratio Lower Upper

264 100

260 24.5 19.7 29.5

265 40.1 25.8 38.6

