

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031720\
 Data File : BN010261.D
 Acq On : 18 Mar 2020 11:50
 Operator : CG/JU
 Sample : L1903-09
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE120D1-20200309

Quant Time: Mar 18 15:22:49 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	3847	0.40	ng	0.00
7) Naphthalene-d8	10.38	136	13441	0.40	ng	-0.01
13) Acenaphthene-d10	14.24	164	8081	0.40	ng	-0.02
19) Phenanthrene-d10	16.98	188	19526	0.40	ng	-0.01
27) Chrysene-d12	21.19	240	20724	0.40	ng	0.00
34) Perylene-d12	23.36	264	23478	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.26	112	1328	0.15	ng	0.00
5) Phenol-d6	6.81	99	1069	0.09	ng	0.00
8) Nitrobenzene-d5	8.76	82	5481	0.68	ng	-0.01
11) 2-Methylnaphthalene-d10	11.98	152	7337	0.33	ng	-0.01
14) 2,4,6-Tribromophenol	15.74	330	1119	0.39	ng	-0.02
15) 2-Fluorobiphenyl	12.87	172	24556	0.85	ng	0.00
25) Fluoranthene-d10	19.02	212	20855	0.35	ng	-0.01
29) Terphenyl-d14	19.64	244	30026	0.64	ng	-0.01

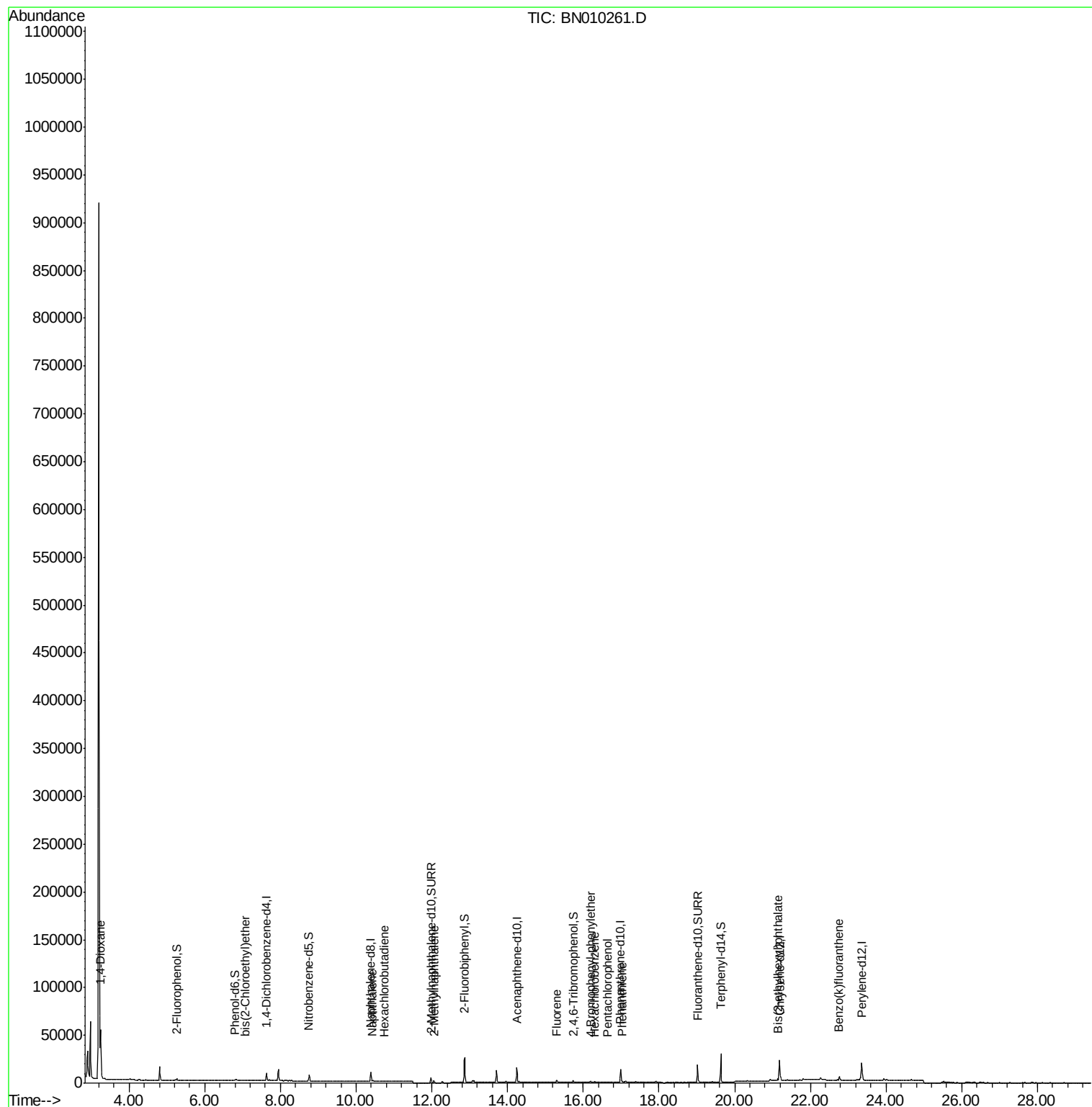
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.25	88	27479	7.321	ng	# 52
6) bis(2-Chloroethyl)ether	7.07	93	297	0.032	ng	95
9) Naphthalene	10.43	128	1688	0.050	ng	# 94
10) Hexachlorobutadiene	10.73	225	211	0.027	ng	# 94
12) 2-Methylnaphthalene	12.05	142	1410	0.058	ng	96
18) Fluorene	15.30	166	723	0.023	ng	# 97
20) 4-Bromophenyl-phenylether	16.20	248	238	0.021	ng	# 91
21) Hexachlorobenzene	16.30	284	274	0.025	ng	90
22) Pentachlorophenol	16.64	266	85	0.025	ng	# 81
23) Phenanthrene	17.02	178	1209	0.023	ng	97
32) Bis(2-ethylhexyl)phthalate	21.13	149	1962	0.065	ng	96
36) Benzo(k)fluoranthene	22.76	252	1644	0.023	ng	# 1

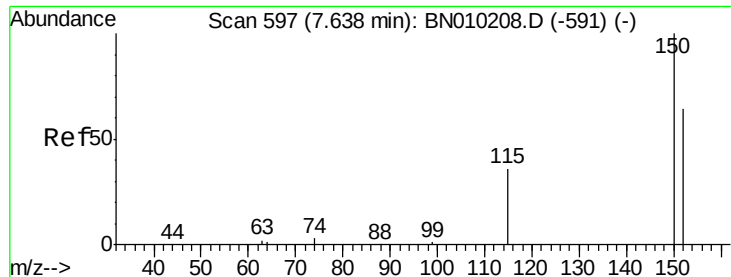
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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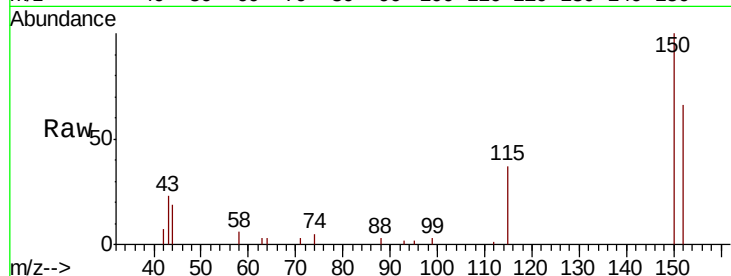


#1

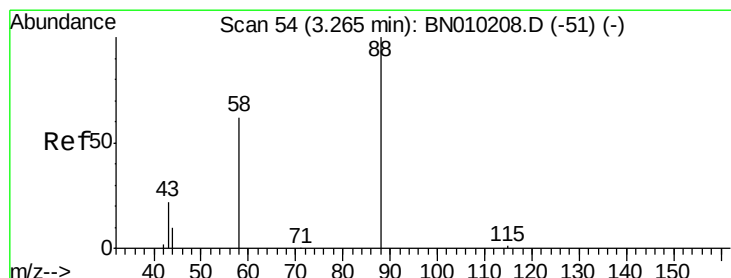
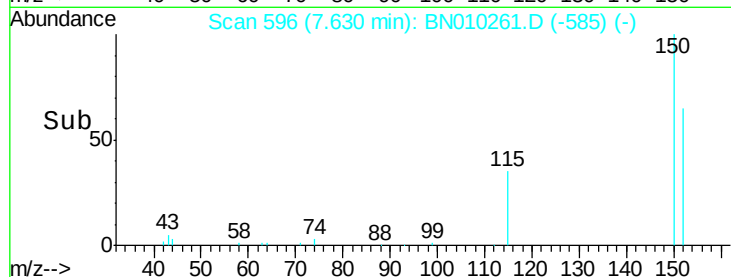
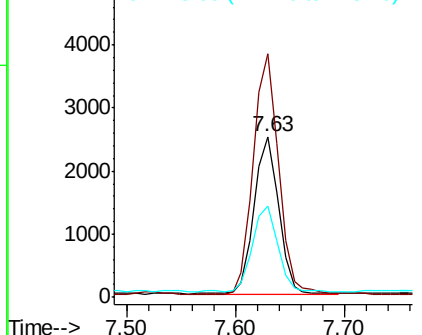
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.63 min Scan# 596
Delta R.T. -0.01 min
Lab File: BN010261.D
Acq: 18 Mar 2020 11:50

Instrument :
BNA_N
ClientSampleId :
RE120D1-20200309

Tot Ion:152 Resp: 3847
Ion Ratio Lower Upper
152 100
150 151.7 119.5 179.3
115 56.7 50.9 76.3



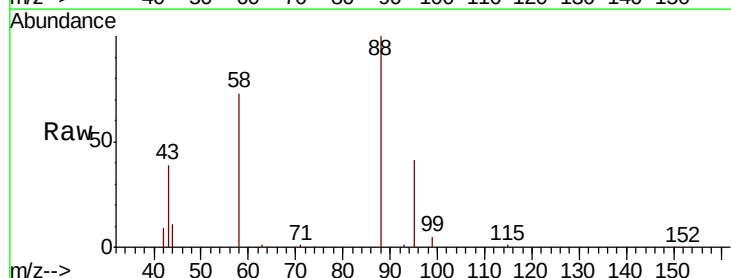
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



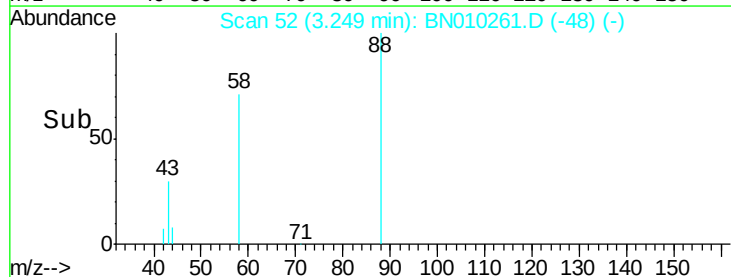
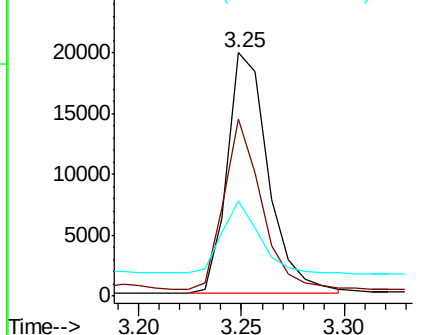
#2

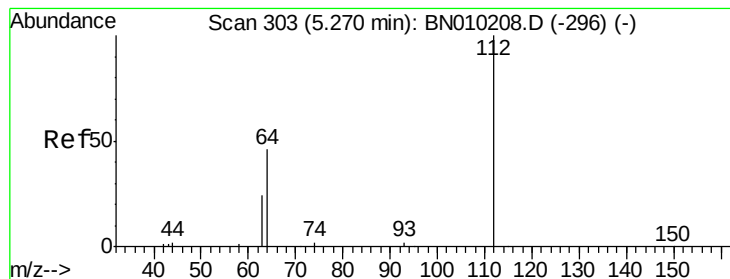
1,4-Dioxane
Concen: 7.321 ng
RT: 3.25 min Scan# 52
Delta R.T. -0.02 min
Lab File: BN010261.D
Acq: 18 Mar 2020 11:50

Tgt Ion: 88 Resp: 27479
Ion Ratio Lower Upper
88 100
58 64.2 97.8 146.8#
43 27.0 45.1 67.7#



Abundance Ion 88.00 (87.70 to 88.70): BNO
Ion 58.00 (57.70 to 58.70): BNO
Ion 43.00 (42.70 to 43.70): BNO





#4

2-Fluorophenol

Concen: 0.147 ng

RT: 5.26 min Scan# 302

Delta R.T. -0.01 min

Lab File: BN010261.D

Acq: 18 Mar 2020 11:50

Instrument :

BNA_N

ClientSampleId :

RE120D1-20200309

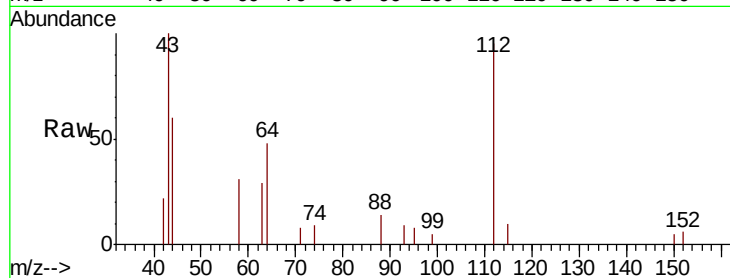
Tot Ion: 112 Resp: 1328

Ion Ratio Lower Upper

112 100

64 53.2 42.6 63.8

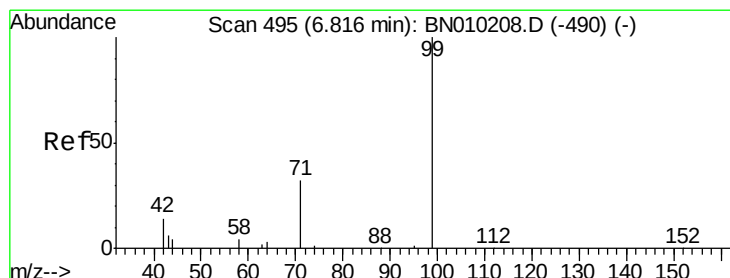
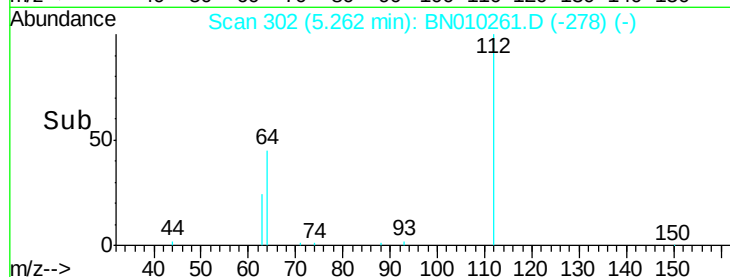
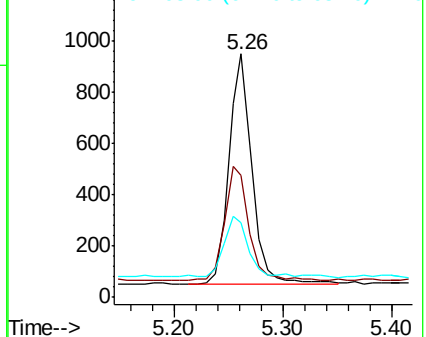
63 28.4 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNO

Ion 63.00 (62.70 to 63.70): BNO



#5

Phenol-d6

Concen: 0.095 ng

RT: 6.81 min Scan# 494

Delta R.T. -0.01 min

Lab File: BN010261.D

Acq: 18 Mar 2020 11:50

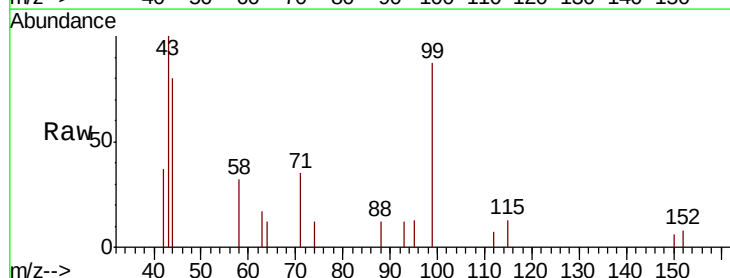
Tgt Ion: 99 Resp: 1069

Ion Ratio Lower Upper

99 100

42 29.6 12.0 18.0#

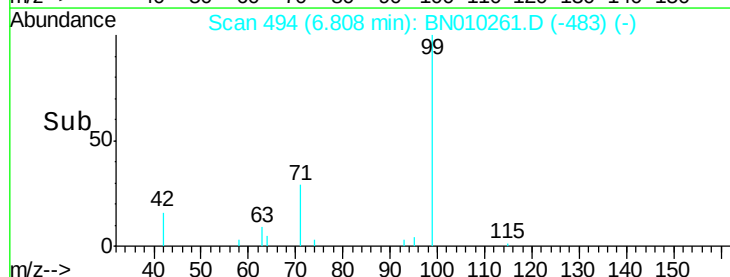
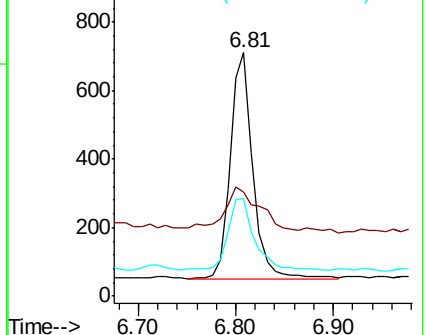
71 38.5 22.6 33.8#

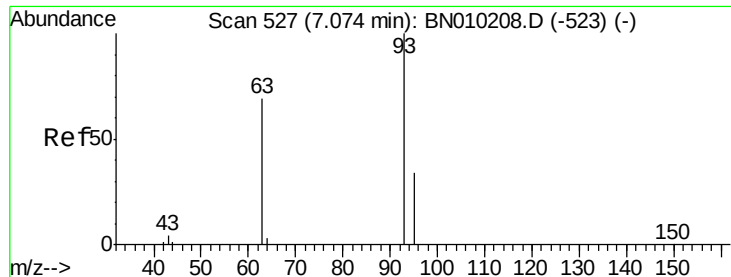


Abundance Ion 99.00 (98.70 to 99.70): BNO

Ion 42.00 (41.70 to 42.70): BNO

Ion 71.00 (70.70 to 71.70): BNO





#6

bis(2-Chloroethyl)ether

Concen: 0.032 ng

RT: 7.07 min Scan# 526

Delta R.T. -0.01 min

Lab File: BN010261.D

Acq: 18 Mar 2020 11:50

Instrument :

BNA_N

ClientSampleId :

RE120D1-20200309

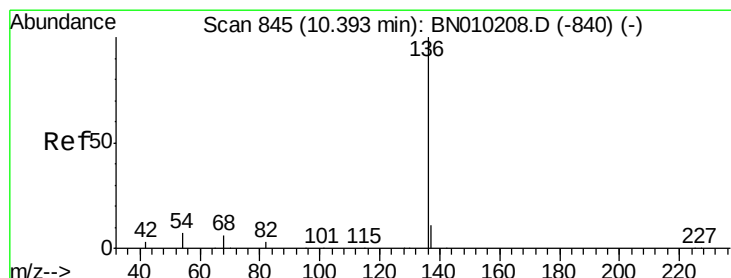
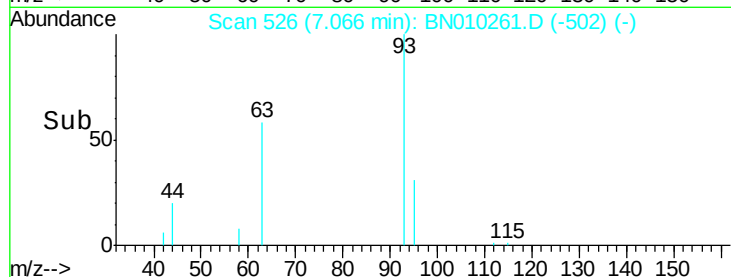
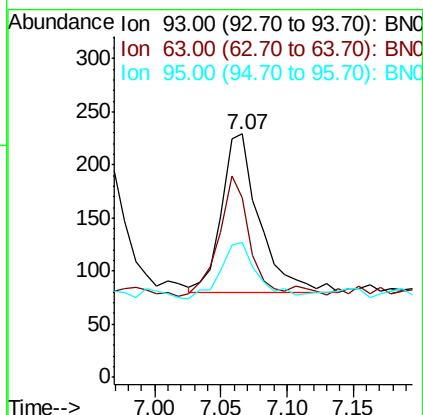
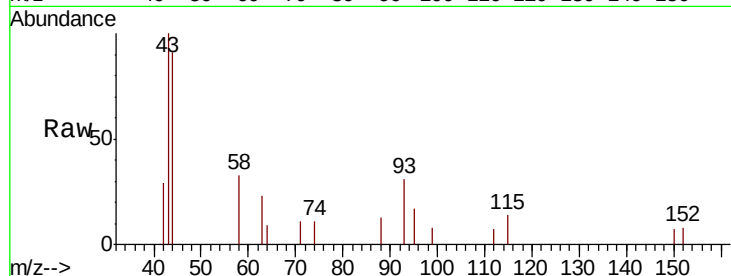
Tot Ion: 93 Resp: 297

Ion Ratio Lower Upper

93 100

63 61.6 53.4 80.0

95 35.0 28.6 42.8



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.38 min Scan# 844

Delta R.T. -0.01 min

Lab File: BN010261.D

Acq: 18 Mar 2020 11:50

Tgt Ion: 136 Resp: 13441

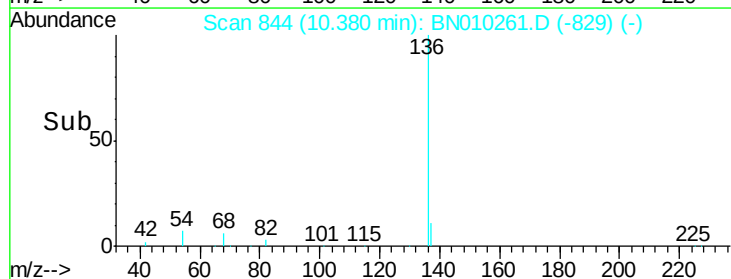
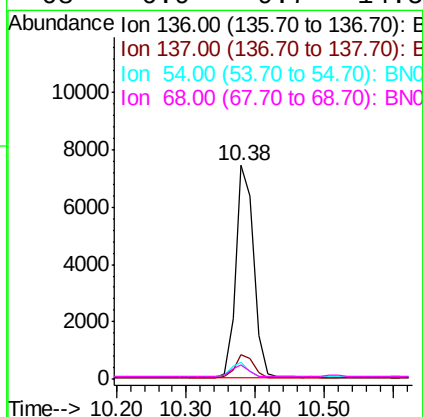
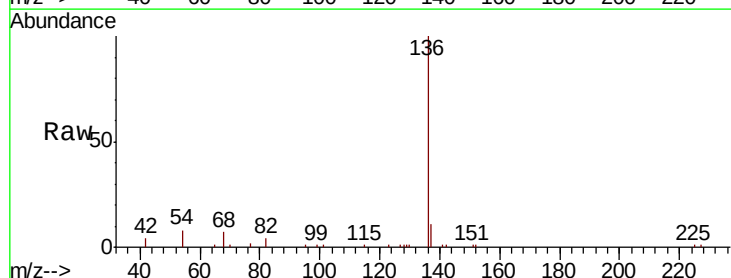
Ion Ratio Lower Upper

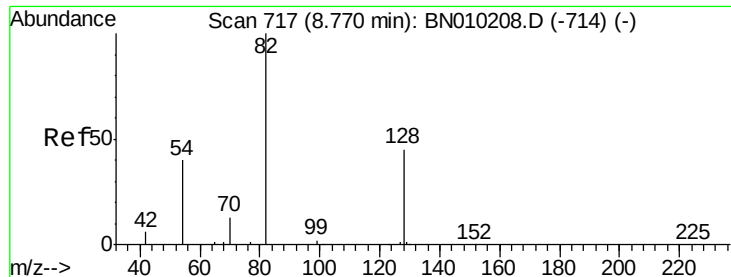
136 100

137 11.3 10.6 15.8

54 8.0 9.5 14.3#

68 6.9 9.7 14.5#





#8

Nitrobenzene-d5

Concen: 0.680 ng

RT: 8.76 min Scan# 716

Delta R.T. -0.01 min

Lab File: BN010261.D

Acq: 18 Mar 2020 11:50

Instrument :

BNA_N

ClientSampleId :

RE120D1-20200309

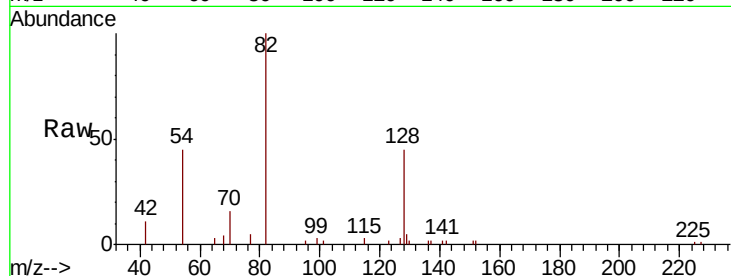
Tot Ion: 82 Resp: 5481

Ion Ratio Lower Upper

82 100

128 44.9 35.0 52.6

54 44.6 37.0 55.4

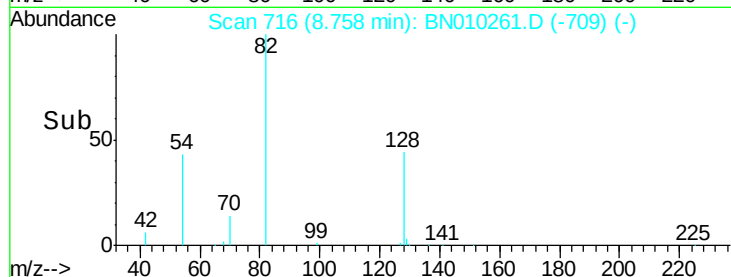


Abundance Ion 82.00 (81.70 to 82.70): BN010208.D (-714) (-)

Ion 128.00 (127.70 to 128.70): BN010208.D (-714) (-)

Ion 54.00 (53.70 to 54.70): BN010208.D (-714) (-)

Time-->



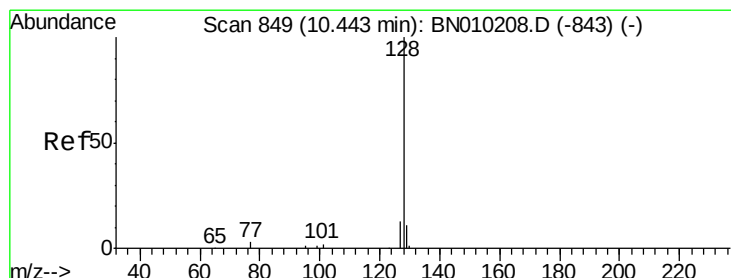
Abundance

Ion 82.00 (81.70 to 82.70): BN010208.D (-714) (-)

Ion 128.00 (127.70 to 128.70): BN010208.D (-714) (-)

Ion 54.00 (53.70 to 54.70): BN010208.D (-714) (-)

Time-->



#9

Naphthalene

Concen: 0.050 ng

RT: 10.43 min Scan# 848

Delta R.T. -0.01 min

Lab File: BN010261.D

Acq: 18 Mar 2020 11:50

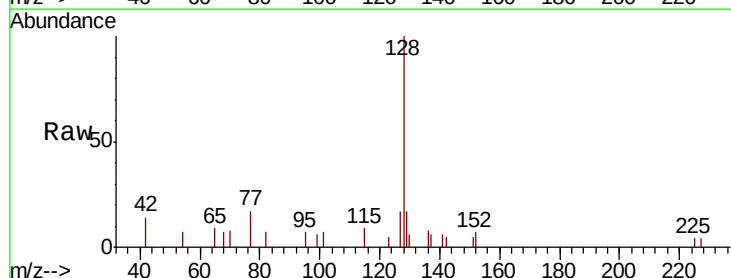
Tgt Ion: 128 Resp: 1688

Ion Ratio Lower Upper

128 100

129 16.8 10.5 15.7#

127 16.7 12.1 18.1

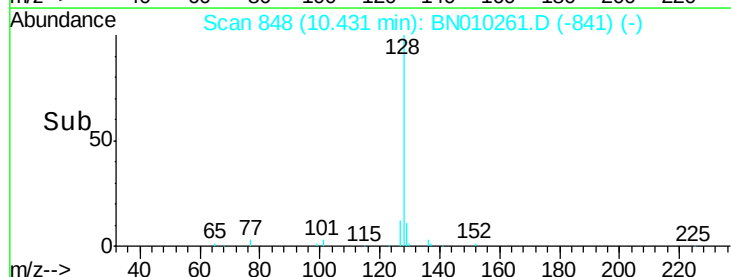


Abundance Ion 128.00 (127.70 to 128.70): BN010208.D (-843) (-)

Ion 129.00 (128.70 to 129.70): BN010208.D (-843) (-)

Ion 127.00 (126.70 to 127.70): BN010208.D (-843) (-)

Time-->



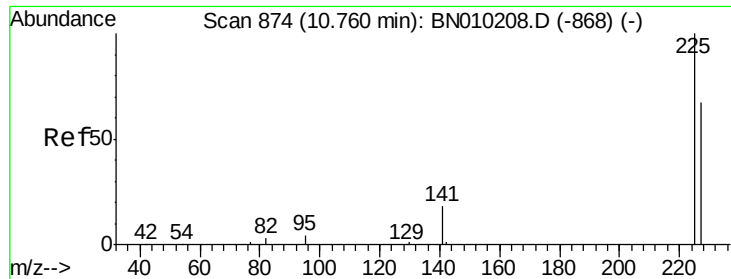
Abundance

Ion 128.00 (127.70 to 128.70): BN010208.D (-843) (-)

Ion 129.00 (128.70 to 129.70): BN010208.D (-843) (-)

Ion 127.00 (126.70 to 127.70): BN010208.D (-843) (-)

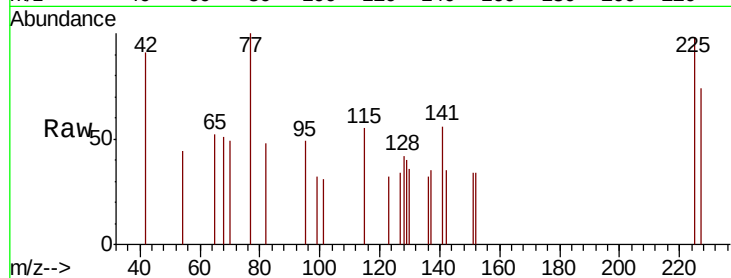
Time-->



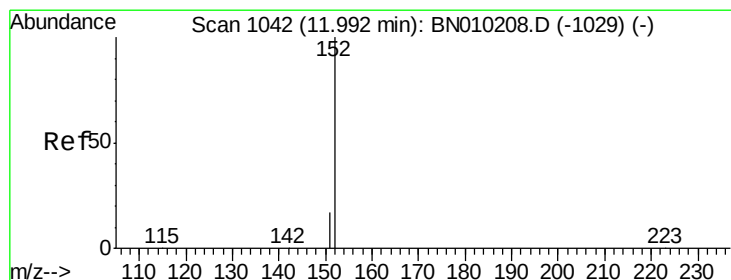
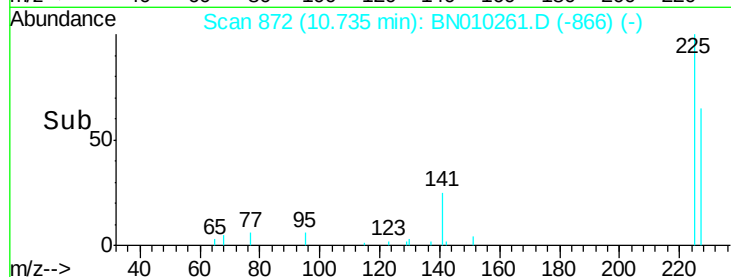
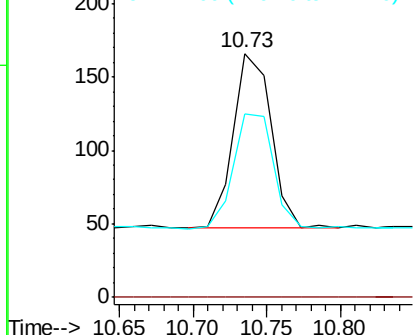
#10
Hexachlorobutadiene
Concen: 0.027 ng
RT: 10.73 min Scan# 872
Delta R.T. -0.03 min
Lab File: BN010261.D
Acq: 18 Mar 2020 11:50

Instrument :
BNA_N
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RE120D1-20200309

Tot Ion:225 Resp: 211
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 71.6 53.4 80.2

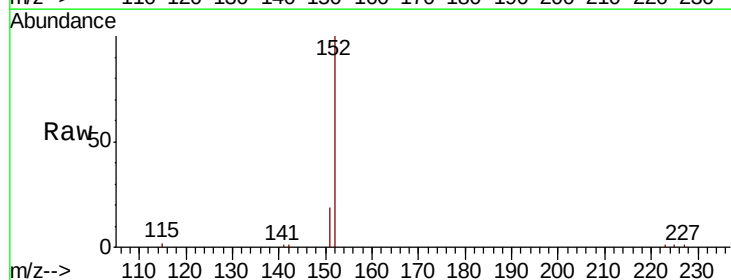


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

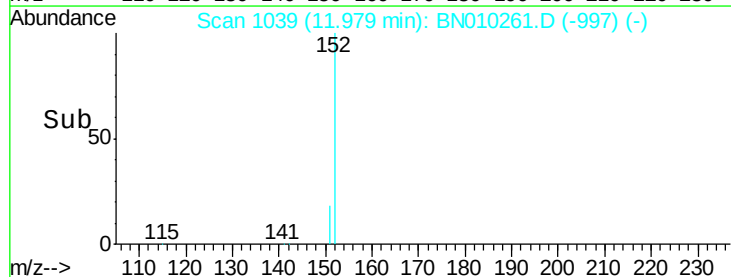
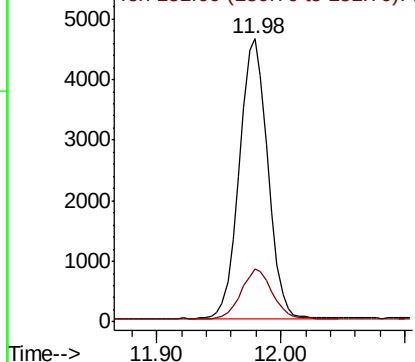


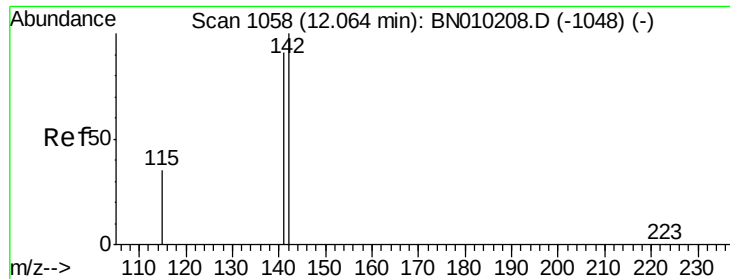
#11
2-Methylnaphthalene-d10
Concen: 0.331 ng
RT: 11.98 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BN010261.D
Acq: 18 Mar 2020 11:50

Tgt Ion:152 Resp: 7337
Ion Ratio Lower Upper
152 100
151 19.1 15.0 22.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.058 ng

RT: 12.05 min Scan# 1055

Delta R.T. -0.01 min

Lab File: BN010261.D

Acq: 18 Mar 2020 11:50

Instrument :

BNA_N

ClientSampleId :

RE120D1-20200309

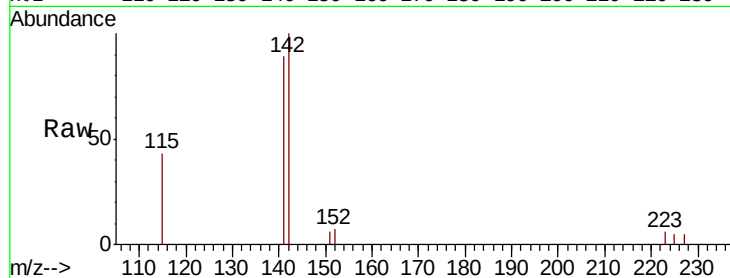
Tot Ion:142 Resp: 1410

Ion Ratio Lower Upper

142 100

141 88.9 73.7 110.5

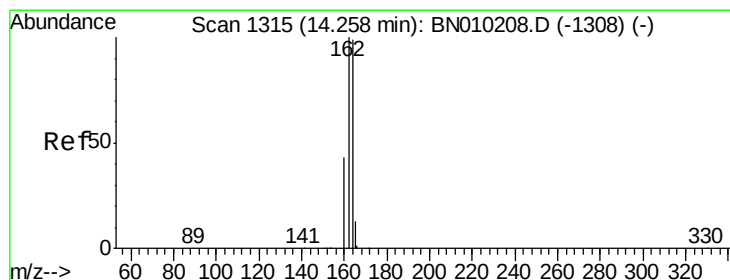
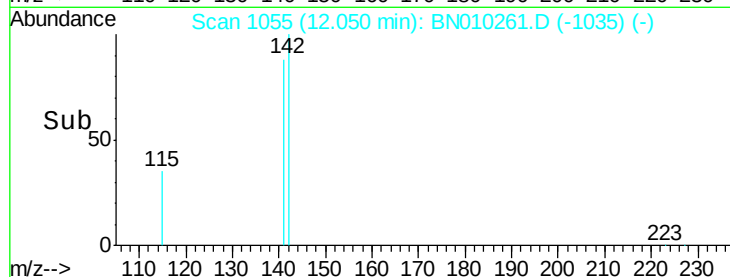
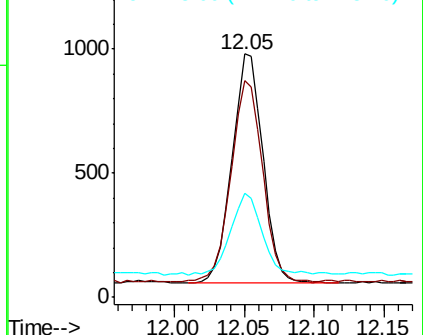
115 42.8 31.2 46.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.24 min Scan# 1313

Delta R.T. -0.02 min

Lab File: BN010261.D

Acq: 18 Mar 2020 11:50

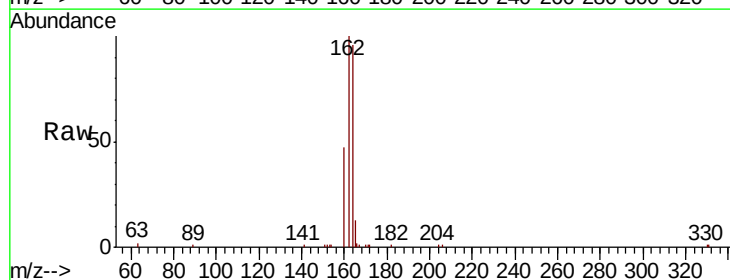
Tgt Ion:164 Resp: 8081

Ion Ratio Lower Upper

164 100

162 104.0 81.0 121.4

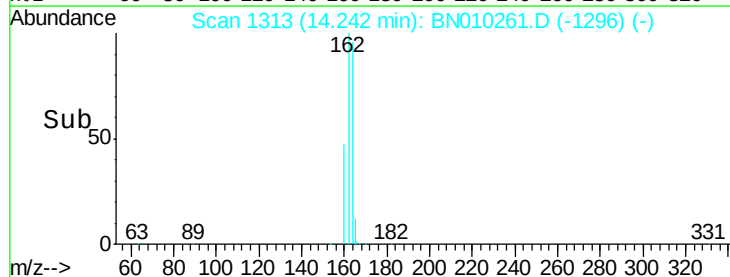
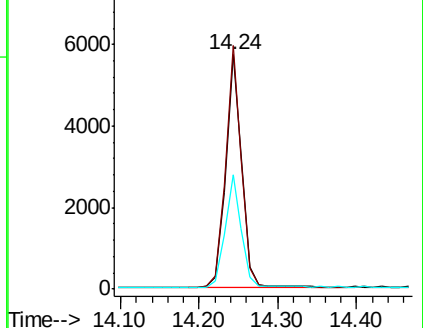
160 48.9 35.6 53.4

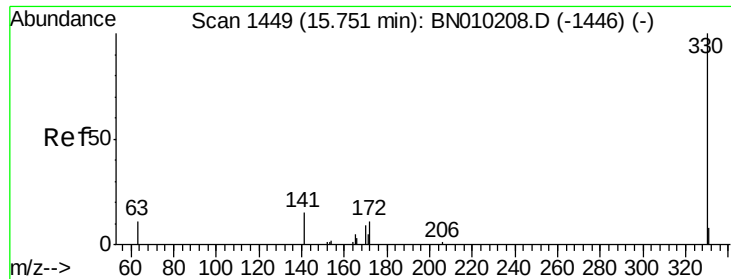


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

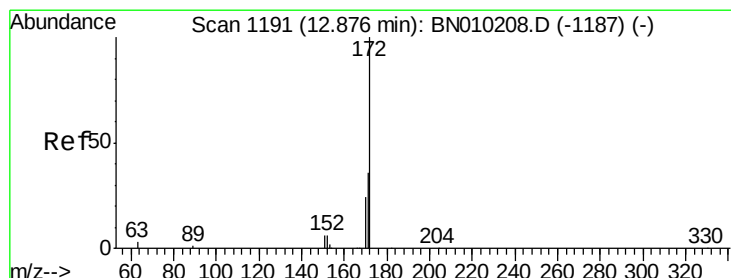
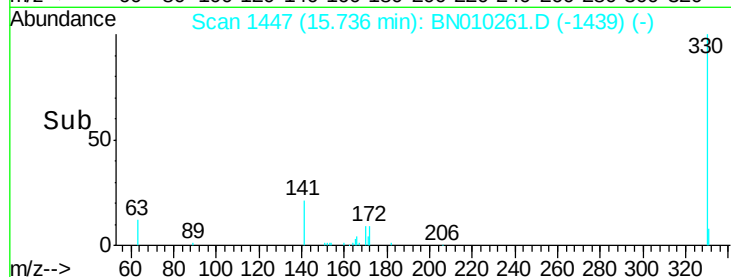
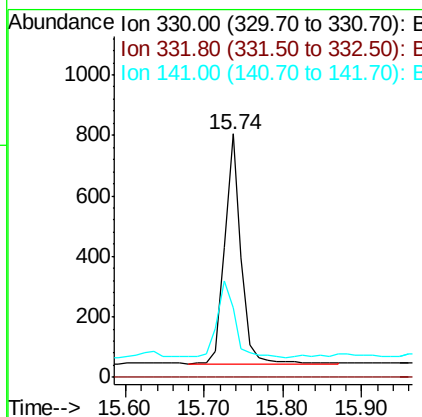
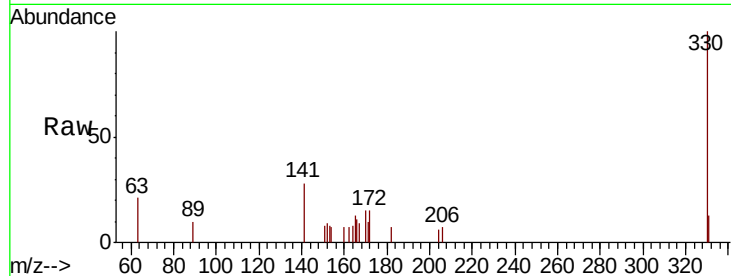




#14
 2,4,6-Tribromophenol
 Concen: 0.387 ng
 RT: 15.74 min Scan# 1447
 Delta R.T. -0.02 min
 Lab File: BN010261.D
 Acq: 18 Mar 2020 11:50

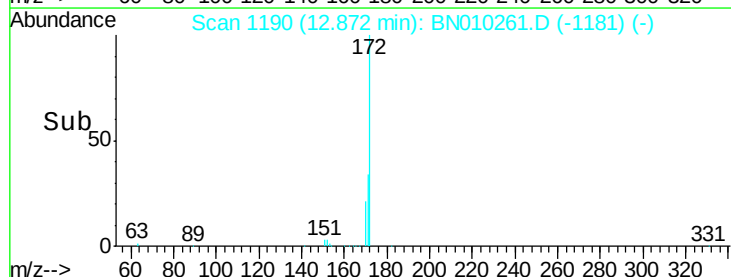
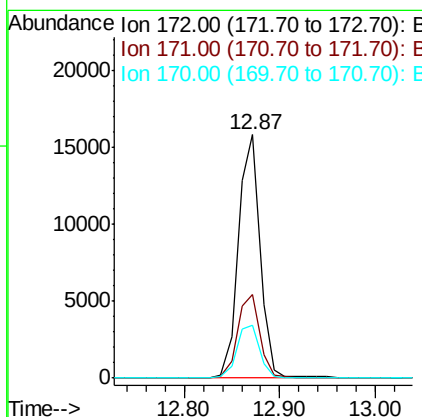
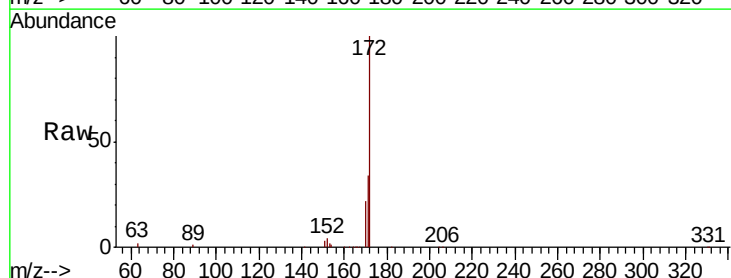
Instrument :
 BNA_N
 ClientSampleId :
 RE120D1-20200309

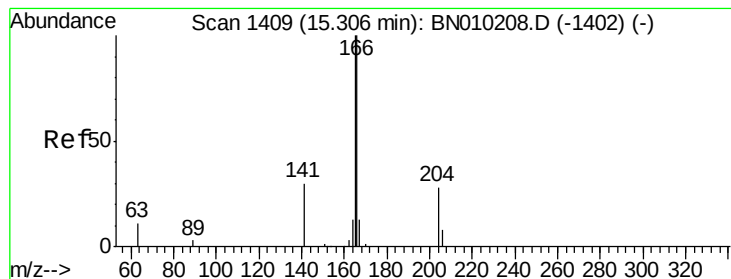
Tot Ion:330 Resp: 1119
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 35.1 25.1 37.7



#15
 2-Fluorobiphenyl
 Concen: 0.853 ng
 RT: 12.87 min Scan# 1190
 Delta R.T. -0.00 min
 Lab File: BN010261.D
 Acq: 18 Mar 2020 11:50

Tgt Ion:172 Resp: 24556
 Ion Ratio Lower Upper
 172 100
 171 34.1 29.4 44.2
 170 21.6 20.2 30.4





#18

Fluorene

Concen: 0.023 ng

RT: 15.30 min Scan# 1408

Delta R.T. -0.00 min

Lab File: BN010261.D

Acq: 18 Mar 2020 11:50

Instrument :

BNA_N

ClientSampleId :

RE120D1-20200309

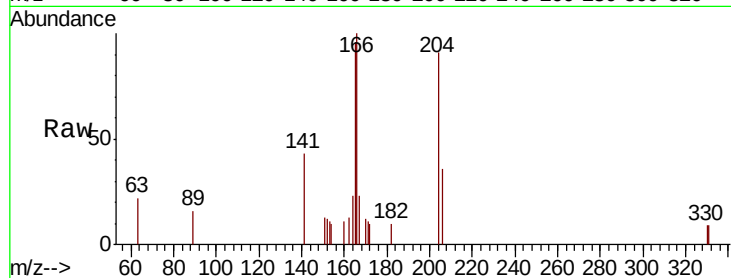
Tot Ion:166 Resp: 723

Ion Ratio Lower Upper

166 100

165 95.7 78.3 117.5

167 16.2 10.7 16.1#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

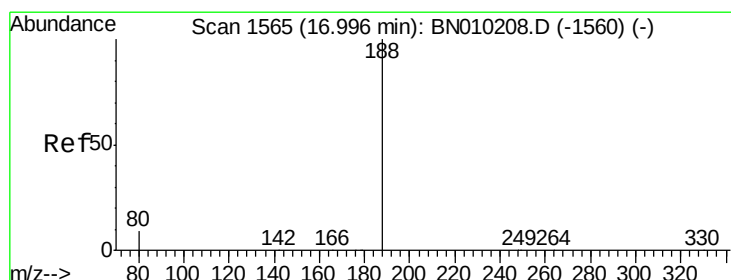
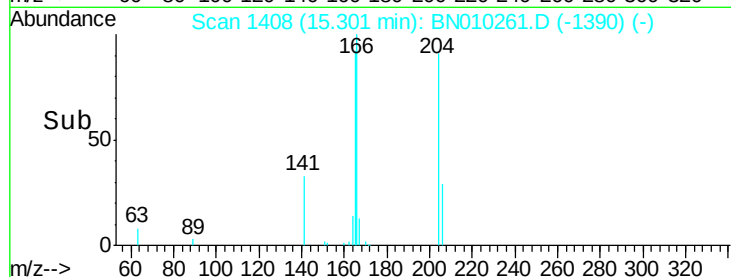
15.30

400

200

0

Time-->



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.98 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BN010261.D

Acq: 18 Mar 2020 11:50

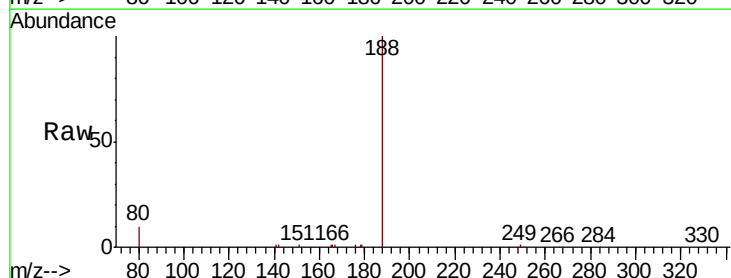
Tgt Ion:188 Resp: 19526

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.0 8.6 12.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC

16.98

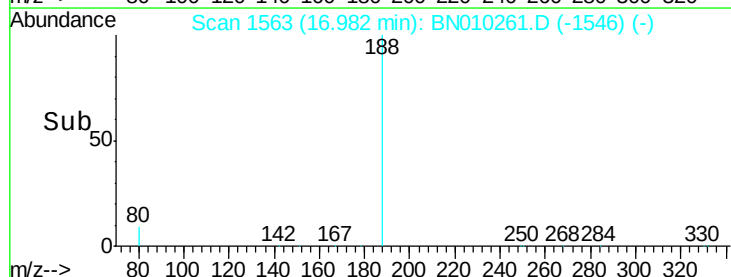
15000

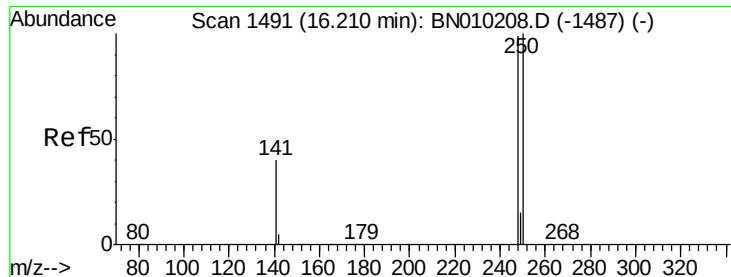
10000

5000

0

Time-->

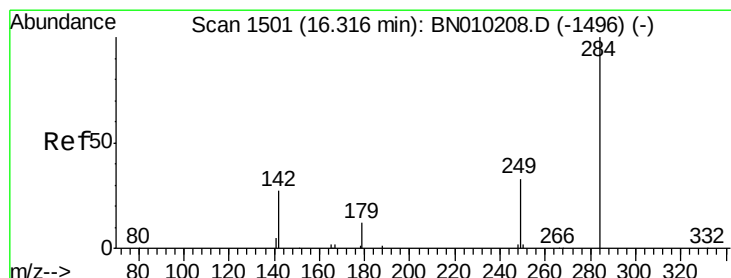
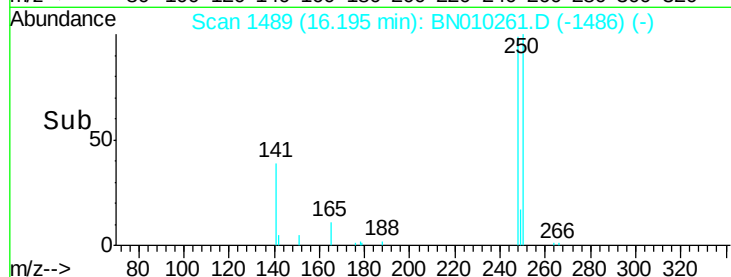
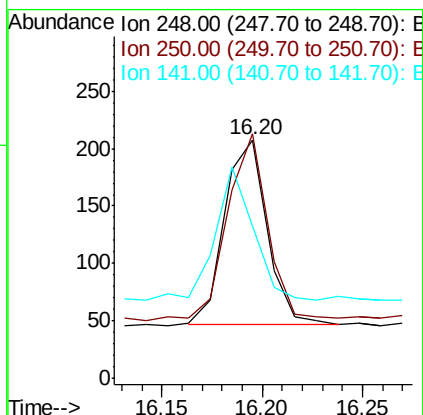
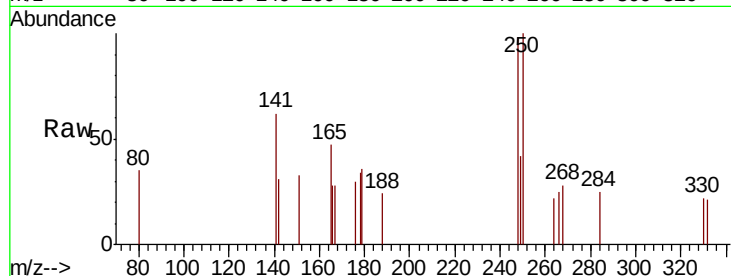




#20
4-Bromophenyl-phenylether
Concen: 0.021 ng
RT: 16.20 min Scan# 1489
Delta R.T. -0.01 min
Lab File: BN010261.D
Acq: 18 Mar 2020 11:50

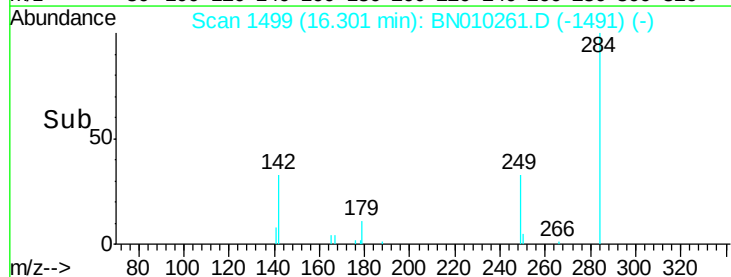
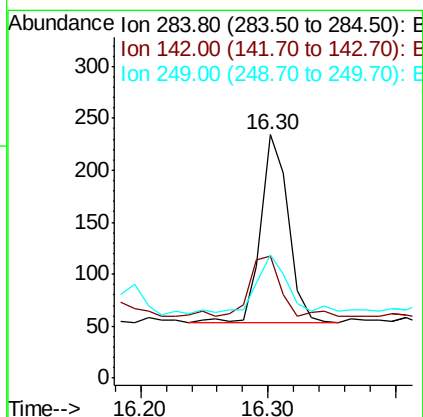
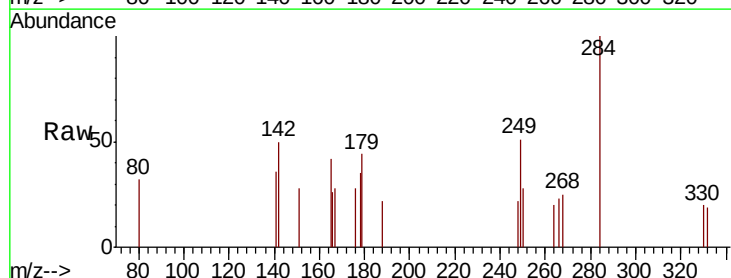
Instrument :
BNA_N
ClientSampleId :
RE120D1-20200309

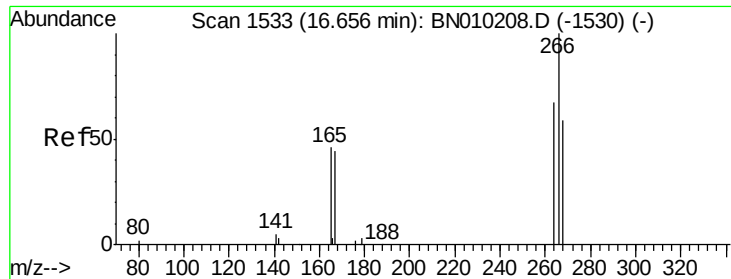
Tot Ion:248 Resp: 238
Ion Ratio Lower Upper
248 100
250 102.4 81.2 121.8
141 63.9 36.7 55.1#



#21
Hexachlorobenzene
Concen: 0.025 ng
RT: 16.30 min Scan# 1499
Delta R.T. -0.01 min
Lab File: BN010261.D
Acq: 18 Mar 2020 11:50

Tgt Ion:284 Resp: 274
Ion Ratio Lower Upper
284 100
142 39.1 27.8 41.6
249 39.8 26.6 39.8

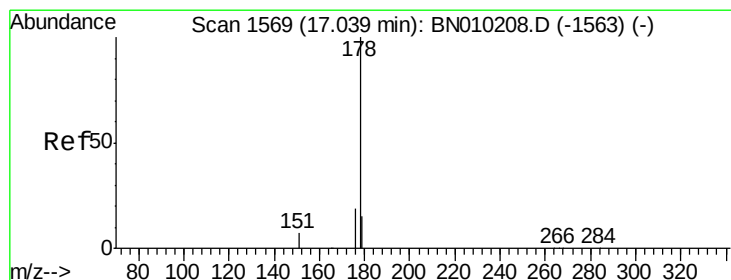
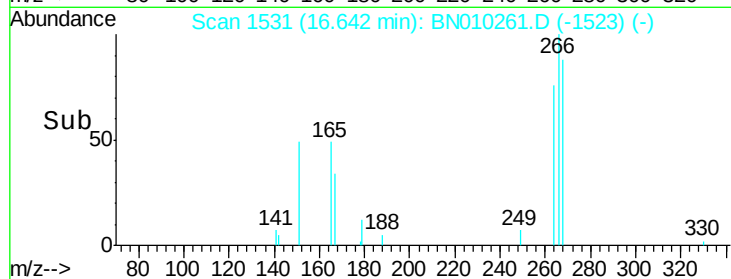
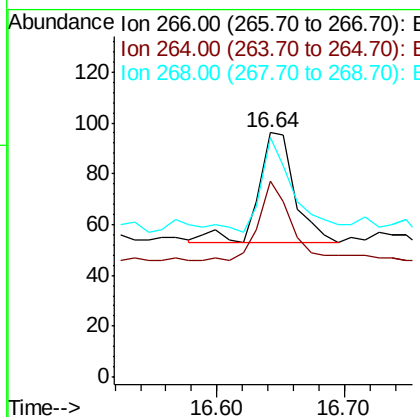
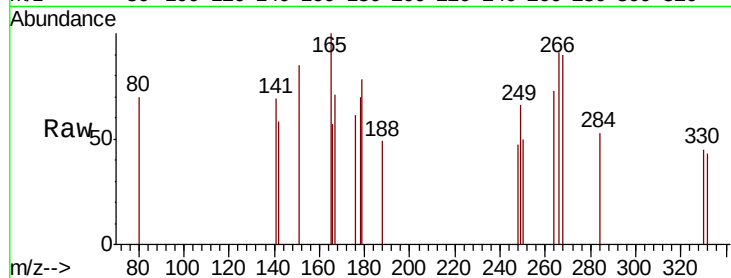




#22
 Pentachlorophenol
 Concen: 0.025 ng
 RT: 16.64 min Scan# 1531
 Delta R.T. -0.01 min
 Lab File: BN010261.D
 Acq: 18 Mar 2020 11:50

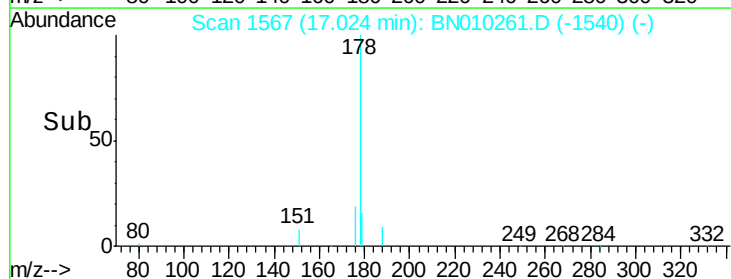
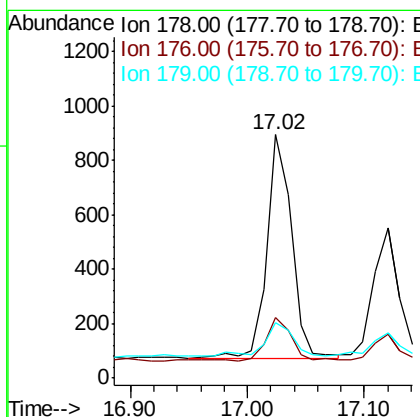
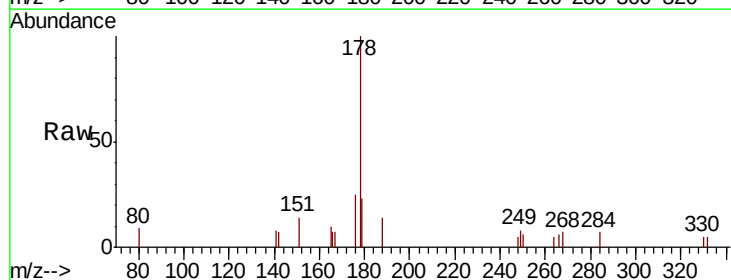
Instrument :
 BNA_N
 ClientSampleId :
 RE120D1-20200309

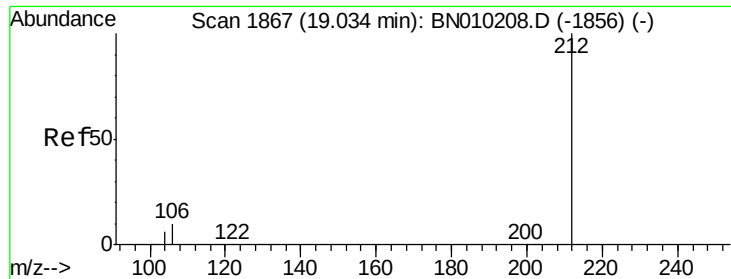
Tot Ion:266 Resp: 85
 Ion Ratio Lower Upper
 266 100
 264 80.2 56.2 84.2
 268 97.9 61.4 92.2#



#23
 Phenanthrene
 Concen: 0.023 ng
 RT: 17.02 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BN010261.D
 Acq: 18 Mar 2020 11:50

Tgt Ion:178 Resp: 1209
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.0 22.4
 179 17.6 12.5 18.7





#25

Fluoranthene-d10

Concen: 0.346 ng

RT: 19.02 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BN010261.D

Acq: 18 Mar 2020 11:50

Instrument :

BNA_N

ClientSampleId :

RE120D1-20200309

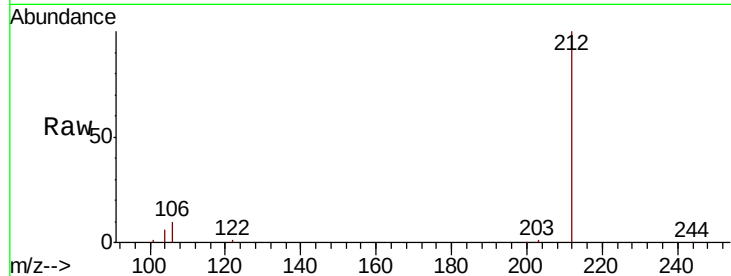
Tot Ion:212 Resp: 20855

Ion Ratio Lower Upper

212 100

106 9.6 8.1 12.1

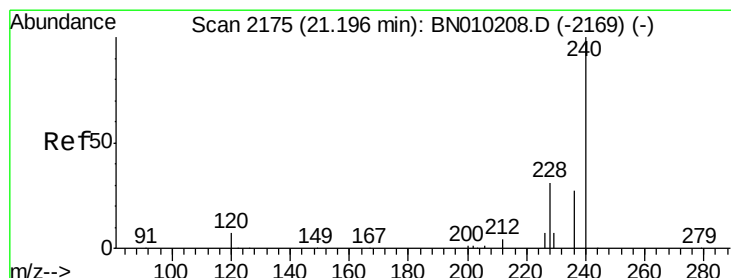
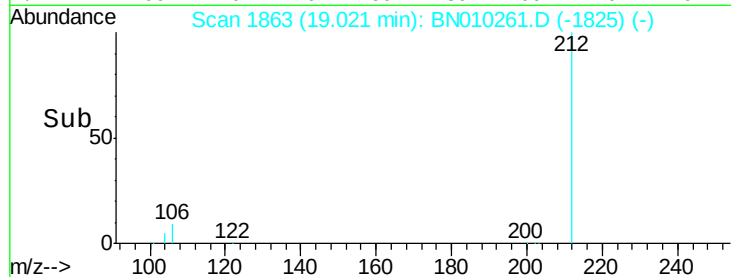
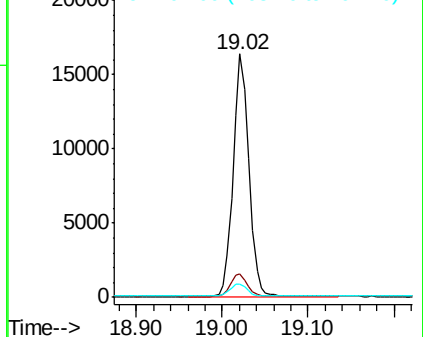
104 5.6 4.7 7.1



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



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.19 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BN010261.D

Acq: 18 Mar 2020 11:50

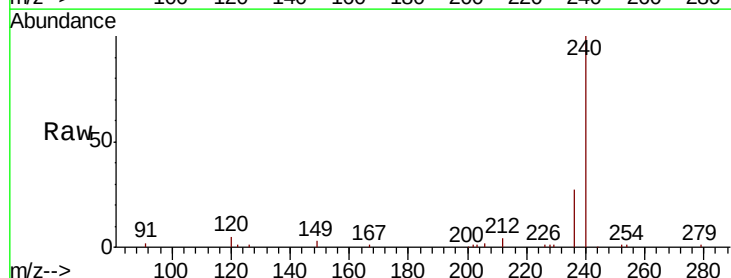
Tgt Ion:240 Resp: 20724

Ion Ratio Lower Upper

240 100

120 5.2 7.7 11.5#

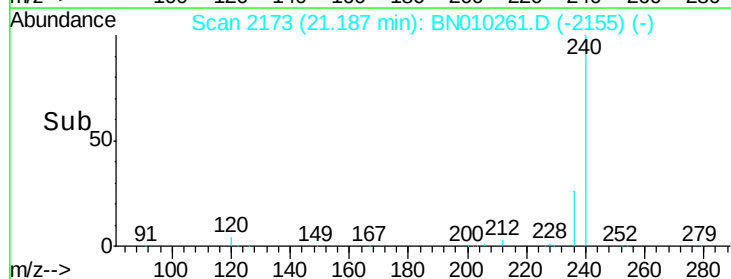
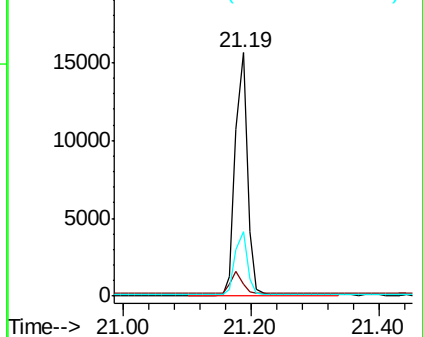
236 26.6 21.8 32.6

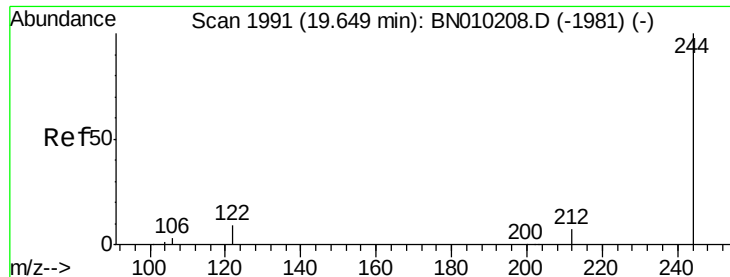


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.635 ng

RT: 19.64 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BN010261.D

Acq: 18 Mar 2020 11:50

Instrument :

BNA_N

ClientSampleId :

RE120D1-20200309

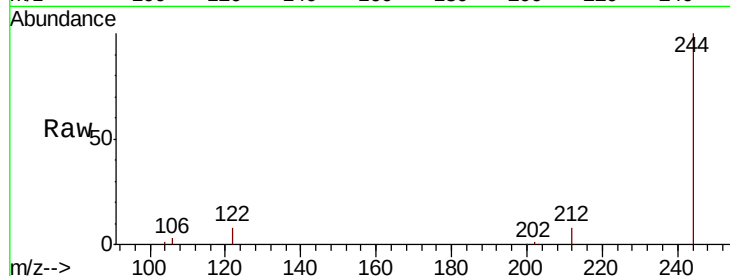
Tot Ion:244 Resp: 30026

Ion Ratio Lower Upper

244 100

212 7.5 6.4 9.6

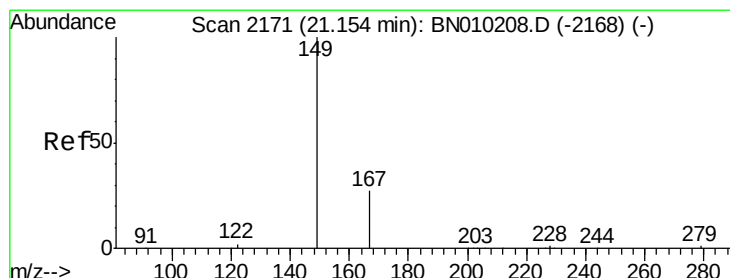
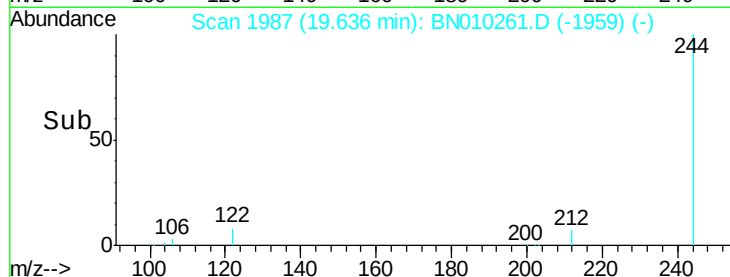
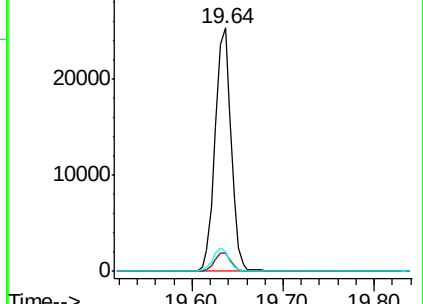
122 8.0 8.1 12.1#



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: 0.065 ng

RT: 21.13 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BN010261.D

Acq: 18 Mar 2020 11:50

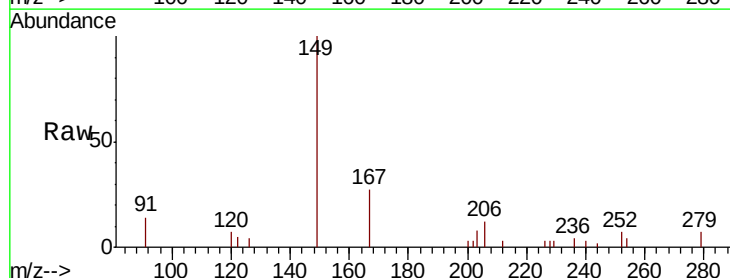
Tgt Ion:149 Resp: 1962

Ion Ratio Lower Upper

149 100

167 28.4 21.0 31.4

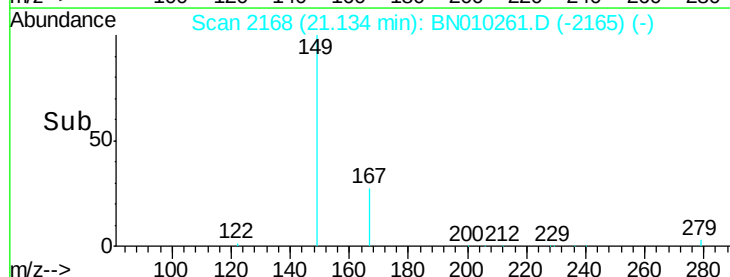
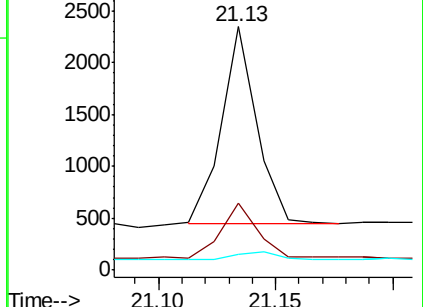
279 4.3 3.1 4.7

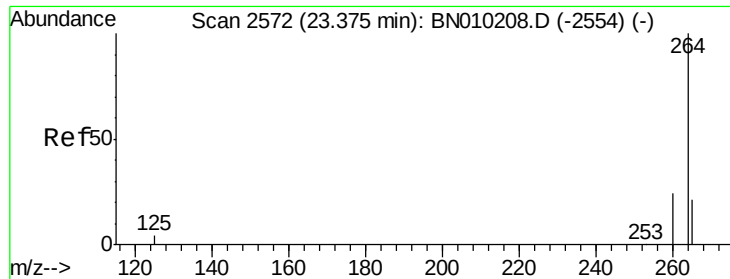


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

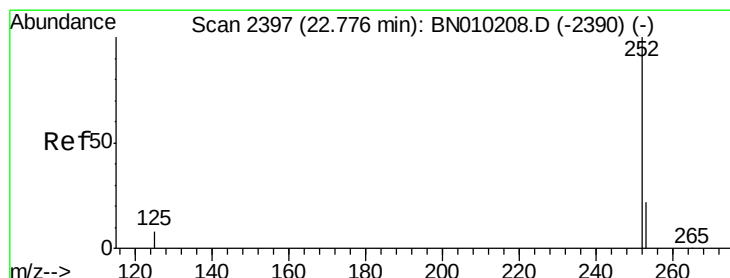
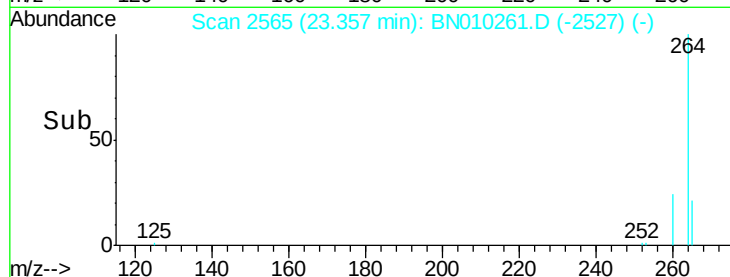
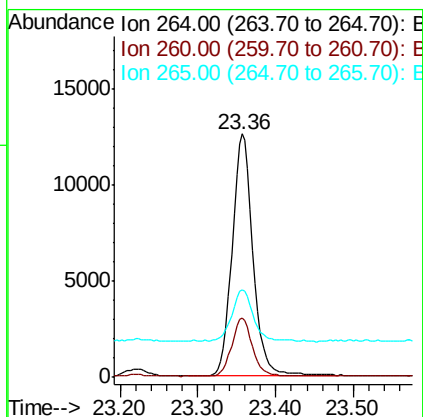
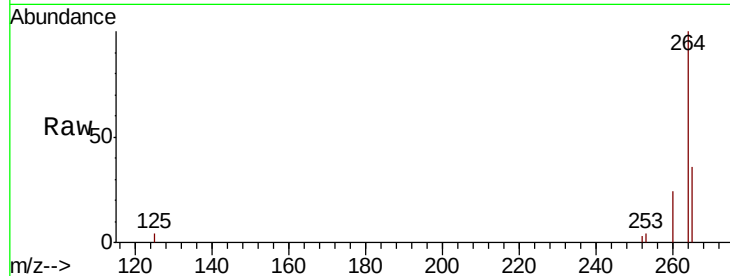




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.36 min Scan# 2565
Delta R.T. -0.02 min
Lab File: BN010261.D
Acq: 18 Mar 2020 11:50

Instrument :
BNA_N
ClientSampleId :
RE120D1-20200309

Tot Ion:264 Resp: 23478
Ion Ratio Lower Upper
264 100
260 24.2 19.7 29.5
265 36.0 25.8 38.6



#36
Benzo(k)fluoranthene
Concen: 0.023 ng
RT: 22.76 min Scan# 2390
Delta R.T. -0.02 min
Lab File: BN010261.D
Acq: 18 Mar 2020 11:50

Tgt Ion:252 Resp: 1644
Ion Ratio Lower Upper
252 100
253 63.0 18.8 28.2#
125 123.4 8.2 12.4#

