

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN040119\
 Data File : BN005044.D
 Acq On : 01 Apr 2019 12:23
 Operator : JU/SJ
 Sample : K2129-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 01 13:18:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 29 03:42:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	2915	0.40	ng	0.00
7) Naphthalene-d8	10.44	136	12971	0.40	ng	0.00
13) Acenaphthene-d10	14.30	164	7907	0.40	ng	0.00
19) Phenanthrene-d10	17.06	188	17939	0.40	ng	0.00
27) Chrysene-d12	21.26	240	19194	0.40	ng	0.00
34) Perylene-d12	23.50	264	17656	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.26	112	323	0.04	ng	0.00
5) Phenol-d6	6.85	99	288	0.03	ng	0.00
8) Nitrobenzene-d5	8.83	82	631	0.08	ng	0.00
11) 2-Methylnaphthalene-d10	12.03	152	1959	0.10	ng	0.00
14) 2,4,6-Tribromophenol	15.81	330	454	0.10	ng	0.00
15) 2-Fluorobiphenyl	12.92	172	3945	0.13	ng	0.00
25) Fluoranthene-d10	19.10	212	4403	0.09	ng	0.00
29) Terphenyl-d14	19.69	244	5608	0.14	ng	0.00

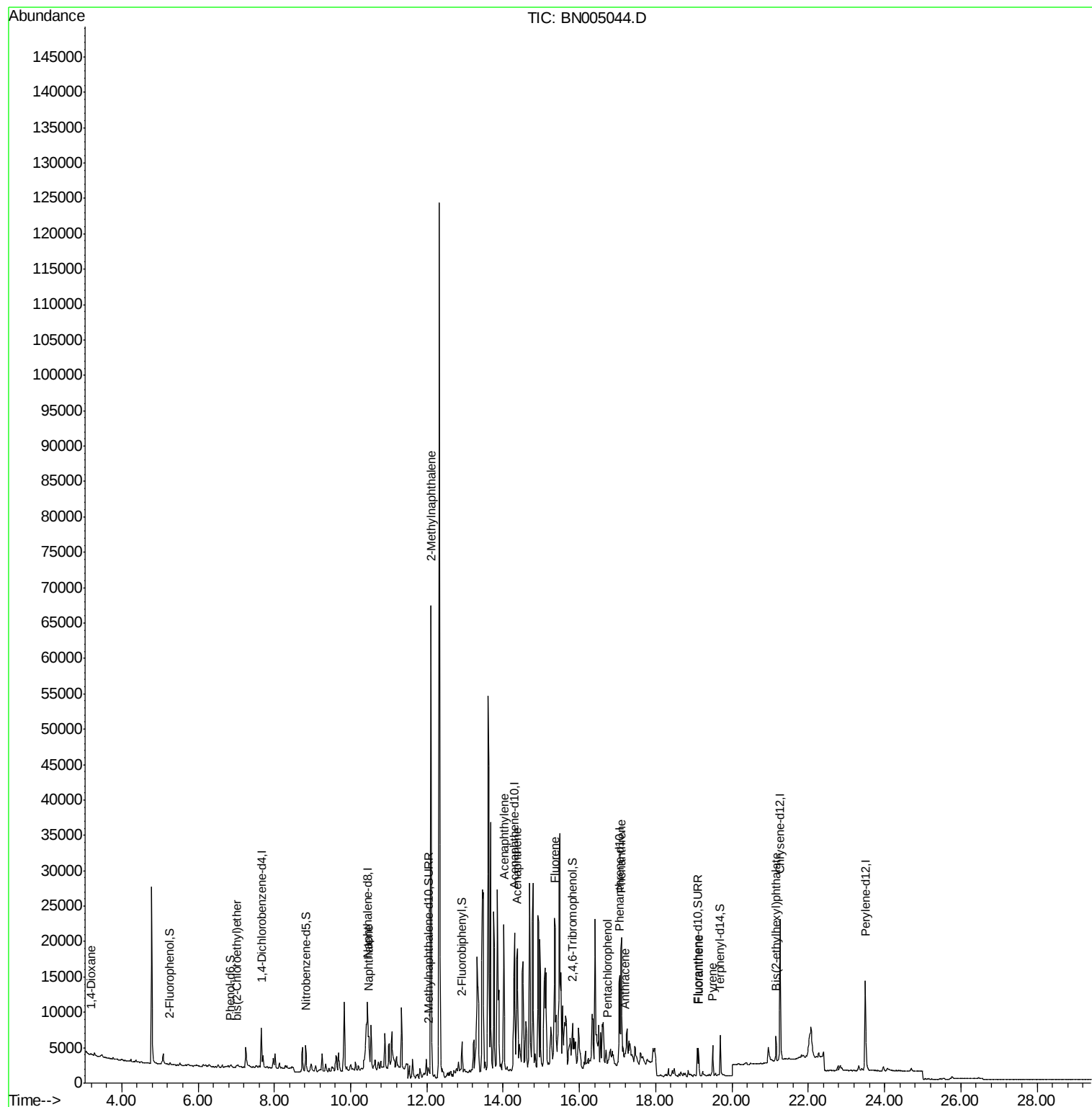
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.20	88	81	0.026	ng	# 26
6) bis(2-Chloroethyl)ether	7.01	93	635	0.078	ng	# 39
9) Naphthalene	10.48	128	1989	0.061	ng	# 1
12) 2-Methylnaphthalene	12.11	142	48092	2.045	ng	99
16) Acenaphthylene	14.02	152	2789	0.075	ng	# 1
17) Acenaphthene	14.37	154	8627	0.364	ng	# 84
18) Fluorene	15.36	166	12797	0.402	ng	# 88
22) Pentachlorophenol	16.74	266	40	0.107	ng	# 66
23) Phenanthrene	17.10	178	20957	0.417	ng	97
24) Anthracene	17.18	178	1287	0.029	ng	# 81
26) Fluoranthene	19.13	202	3526	0.057	ng	98
28) Pyrene	19.49	202	4085	0.075	ng	# 90
32) Bis(2-ethylhexyl)phthalate	21.15	149	3321	0.147	ng	99

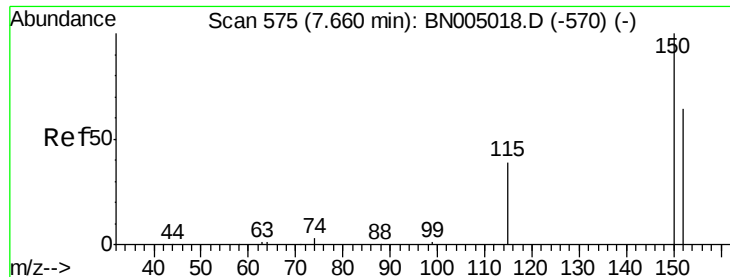
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 29 03:42:17 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.66 min Scan# 575

Delta R.T. -0.00 min

Lab File: BN005044.D

Acq: 01 Apr 2019 12:23

Instrument :

BNA_N

ClientSampleId :

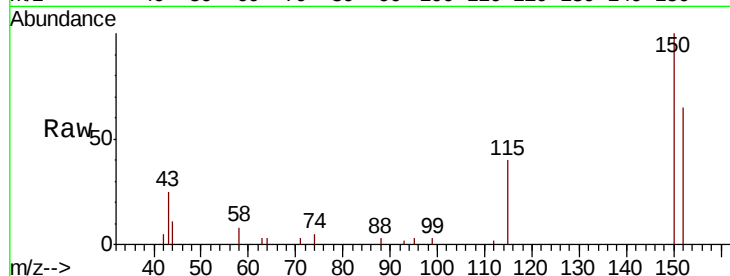
Tot Ion:152 Resp: 2915

Ion Ratio Lower Upper

152 100

150 154.4 123.4 185.2

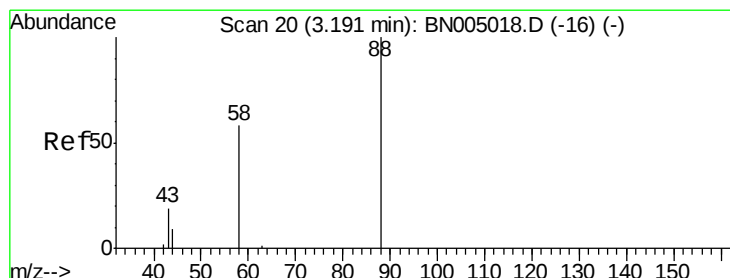
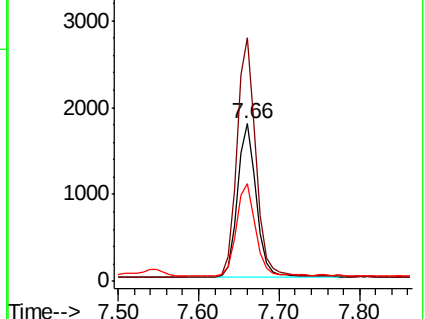
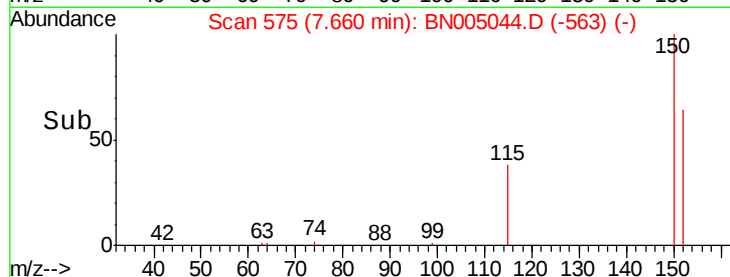
115 61.9 50.0 75.0



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: 0.026 ng

RT: 3.20 min Scan# 21

Delta R.T. 0.01 min

Lab File: BN005044.D

Acq: 01 Apr 2019 12:23

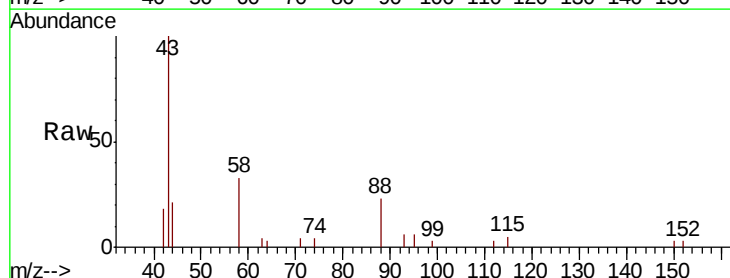
Tgt Ion: 88 Resp: 81

Ion Ratio Lower Upper

88 100

58 0.0 52.8 79.2#

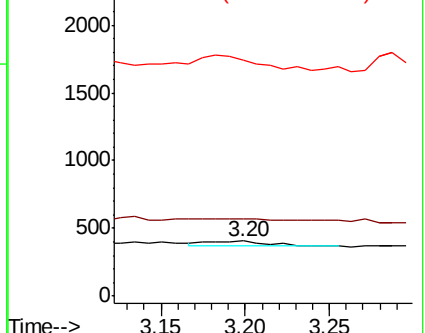
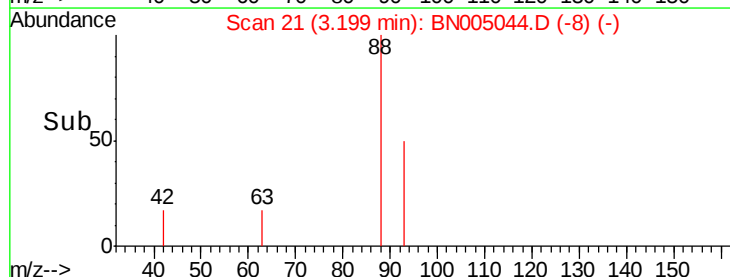
43 0.0 19.6 29.4#

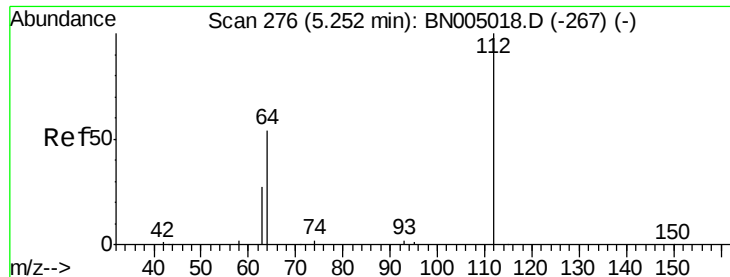


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#4

2-Fluorophenol

Concen: 0.044 ng

RT: 5.26 min Scan# 277

Delta R.T. 0.01 min

Lab File: BN005044.D

Acq: 01 Apr 2019 12:23

Instrument :

BNA_N

ClientSampled :

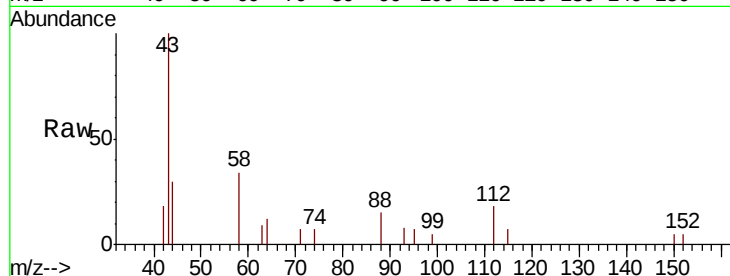
Tot Ion:112 Resp: 323

Ion Ratio Lower Upper

112 100

64 51.4 41.9 62.9

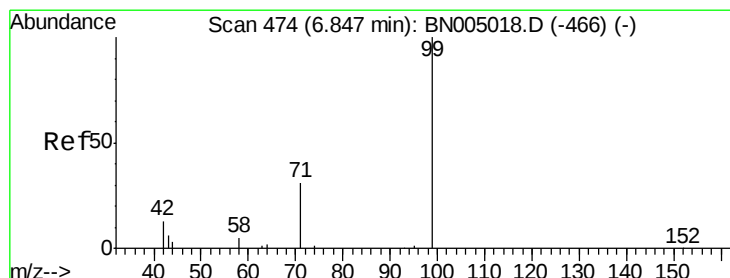
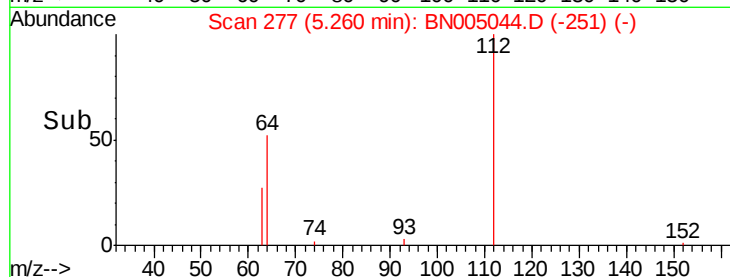
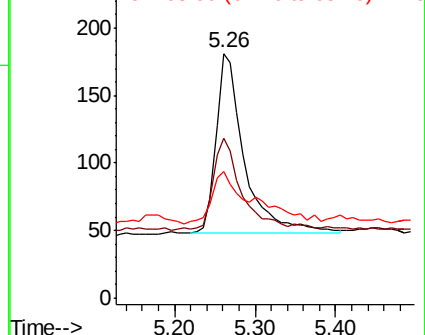
63 27.2 21.5 32.3



Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#5

Phenol-d6

Concen: 0.033 ng

RT: 6.85 min Scan# 474

Delta R.T. -0.00 min

Lab File: BN005044.D

Acq: 01 Apr 2019 12:23

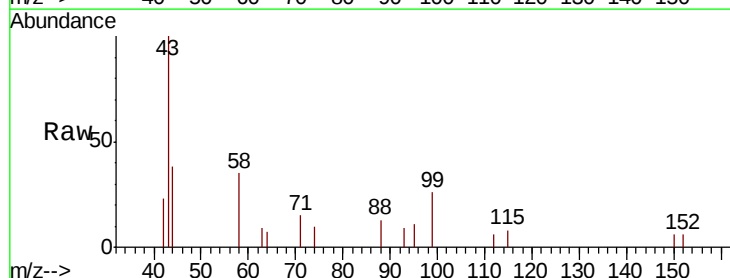
Tgt Ion: 99 Resp: 288

Ion Ratio Lower Upper

99 100

42 35.4 12.2 18.2#

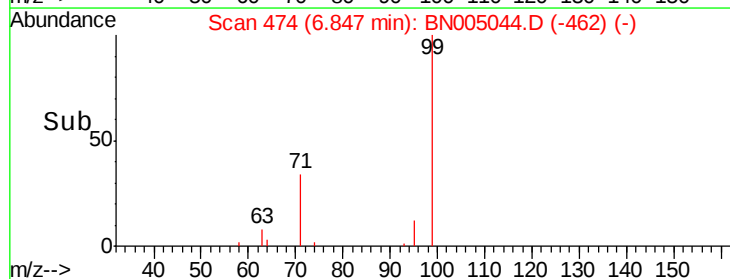
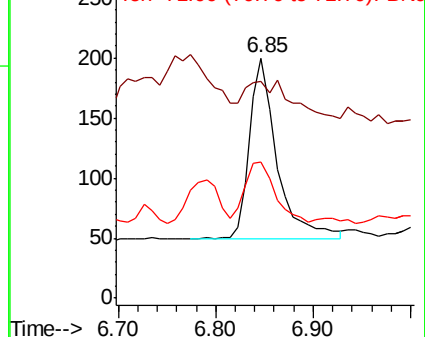
71 36.8 26.1 39.1

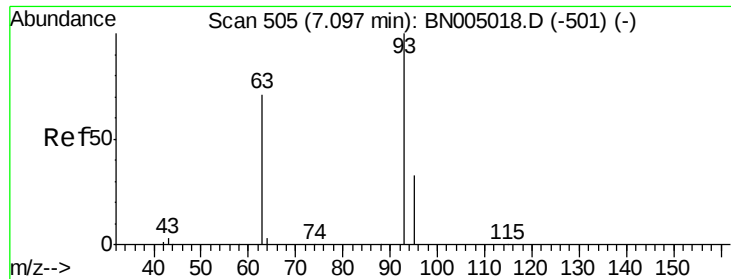


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#6

bis(2-Chloroethyl)ether

Concen: 0.078 ng

RT: 7.01 min Scan# 494

Delta R.T. -0.09 min

Lab File: BN005044.D

Acq: 01 Apr 2019 12:23

Instrument :

BNA_N

ClientSampleId :

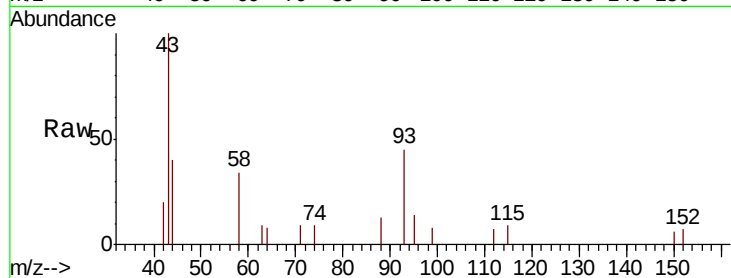
Tot Ion: 93 Resp: 635

Ion Ratio Lower Upper

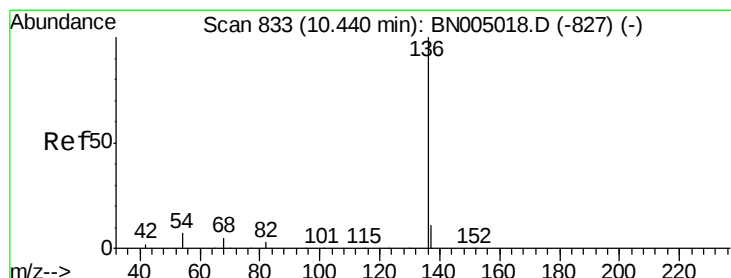
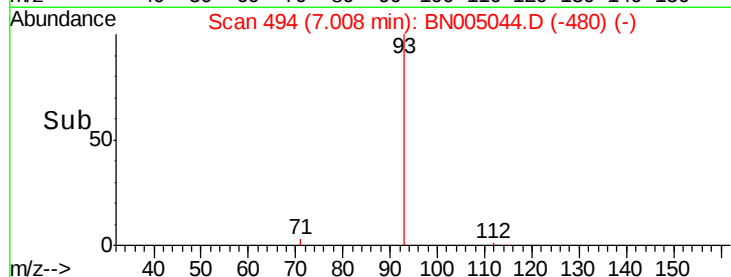
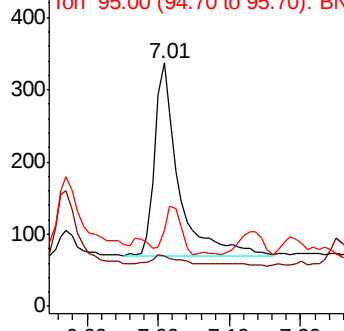
93 100

63 4.3 51.8 77.6#

95 15.7 24.8 37.2#



Abundance Ion 93.00 (92.70 to 93.70): BN005018.D (-501) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.44 min Scan# 833

Delta R.T. -0.00 min

Lab File: BN005044.D

Acq: 01 Apr 2019 12:23

Tgt Ion: 136 Resp: 12971

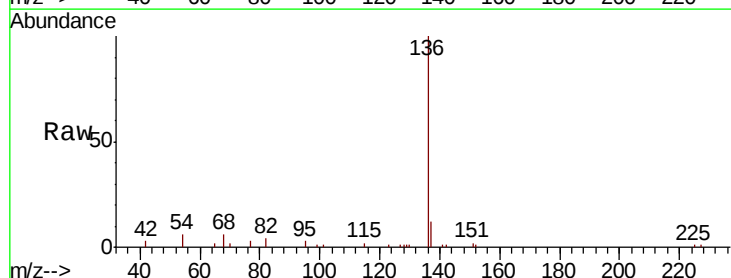
Ion Ratio Lower Upper

136 100

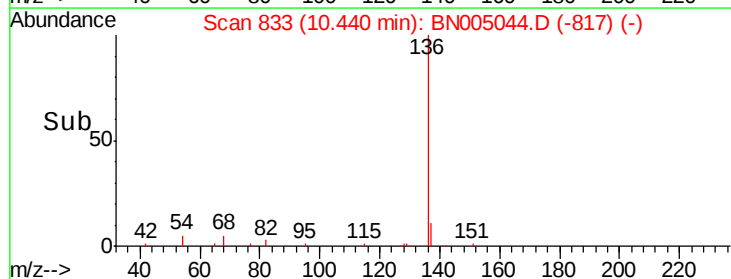
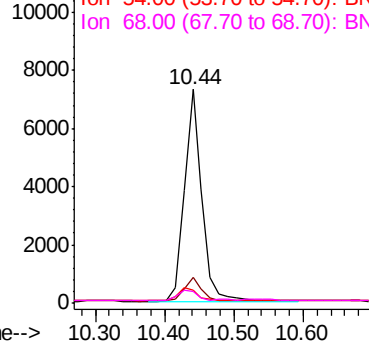
137 11.9 9.2 13.8

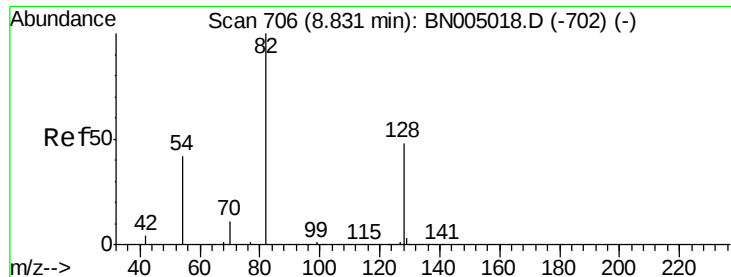
54 6.0 6.0 9.0

68 5.7 5.0 7.6



Abundance Ion 136.00 (135.70 to 136.70): BN005018.D (-827) (-)





#8

Nitrobenzene-d5

Concen: 0.084 ng

RT: 8.83 min Scan# 706

Delta R.T. -0.00 min

Lab File: BN005044.D

Acq: 01 Apr 2019 12:23

Instrument :

BNA_N

ClientSampled :

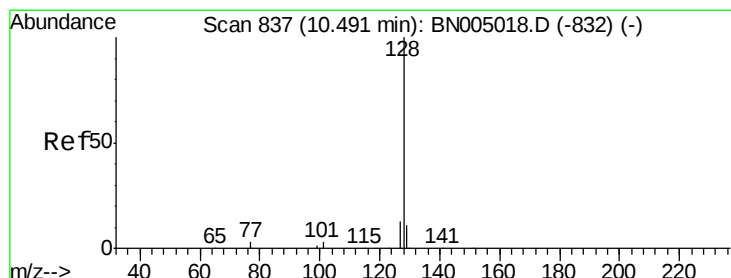
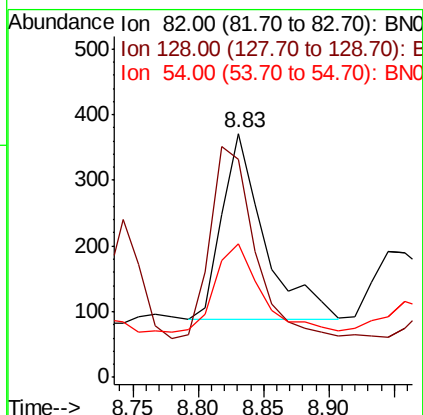
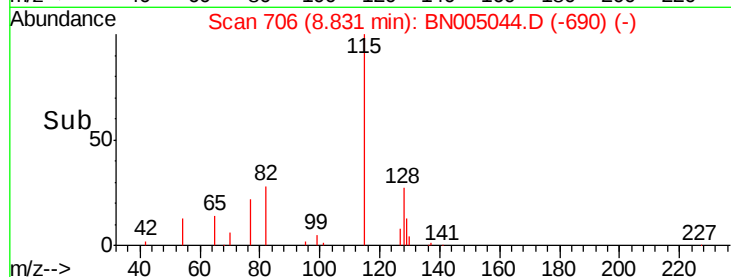
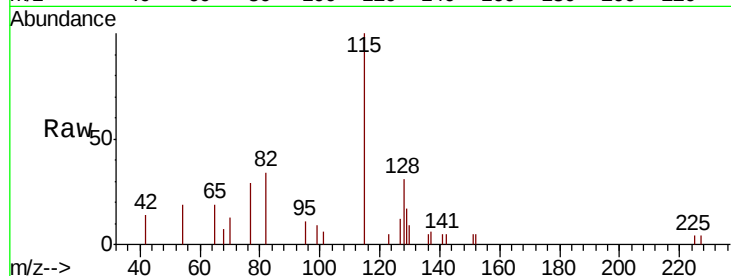
Tot Ion: 82 Resp: 631

Ion Ratio Lower Upper

82 100

128 89.5 40.5 60.7#

54 54.7 35.7 53.5#



#9

Naphthalene

Concen: 0.061 ng

RT: 10.48 min Scan# 836

Delta R.T. -0.01 min

Lab File: BN005044.D

Acq: 01 Apr 2019 12:23

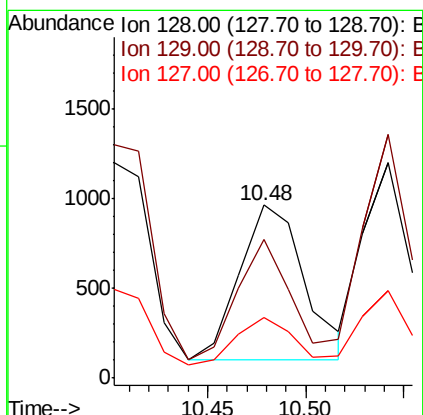
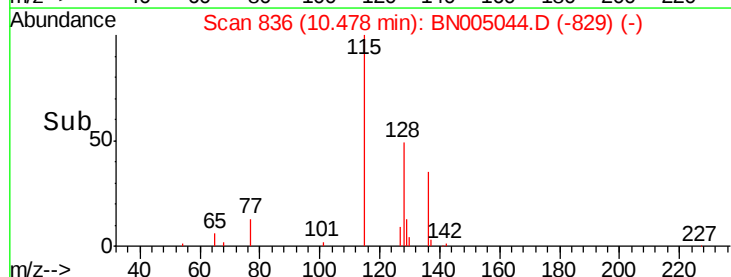
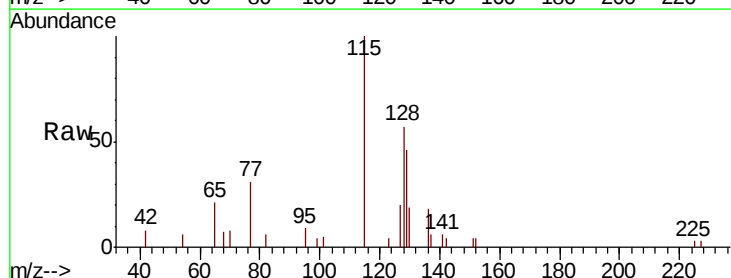
Tgt Ion:128 Resp: 1989

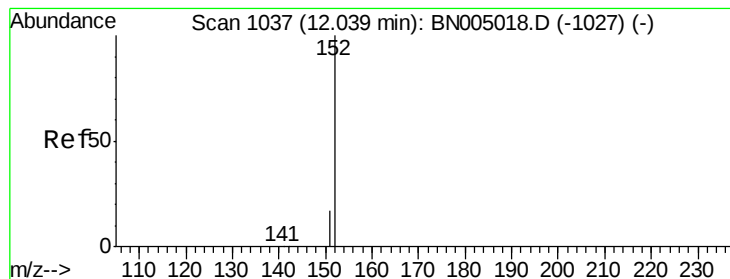
Ion Ratio Lower Upper

128 100

129 80.6 9.4 14.2#

127 35.1 11.0 16.6#





#11

2-Methylnaphthalene-d10

Concen: 0.097 ng

RT: 12.03 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BN005044.D

Acq: 01 Apr 2019 12:23

Instrument :

BNA_N

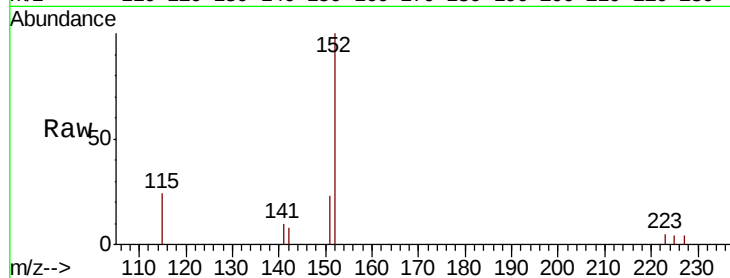
ClientSampleId :

Tot Ion:152 Resp: 1959

Ion Ratio Lower Upper

152 100

151 23.9 15.3 22.9#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.03

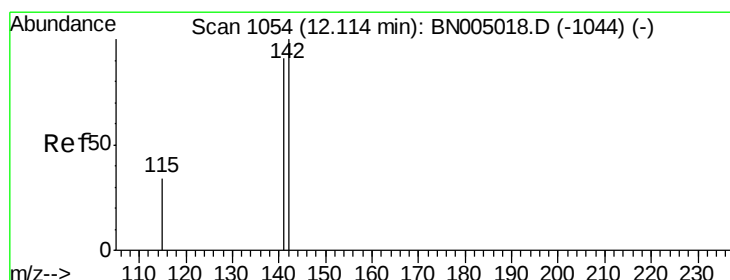
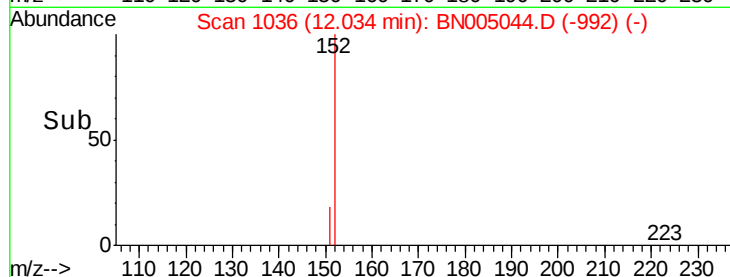
1000

500

0

Time-->

12.00 12.10



#12

2-Methylnaphthalene

Concen: 2.045 ng

RT: 12.11 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BN005044.D

Acq: 01 Apr 2019 12:23

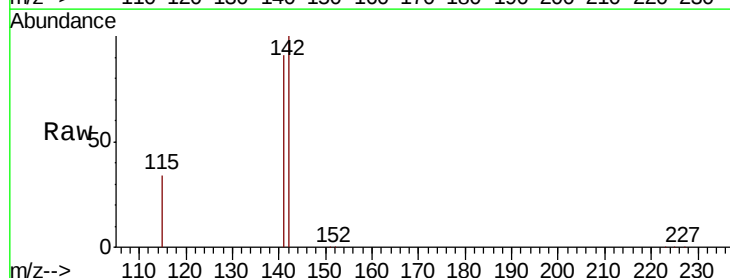
Tgt Ion:142 Resp: 48092

Ion Ratio Lower Upper

142 100

141 90.6 72.6 108.8

115 33.7 27.8 41.8



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

40000

30000

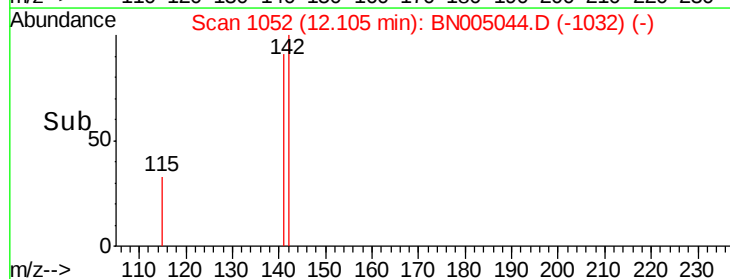
20000

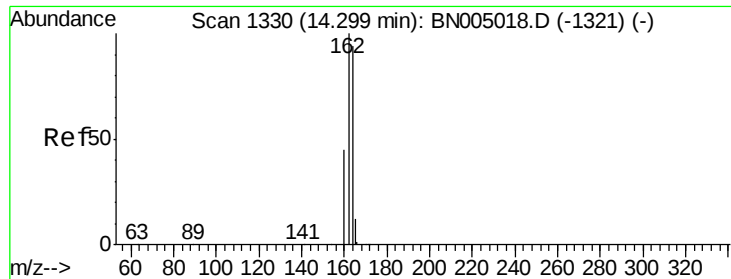
10000

0

Time-->

12.00 12.10 12.20





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.30 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BN005044.D

Acq: 01 Apr 2019 12:23

Instrument :

BNA_N

ClientSampleId :

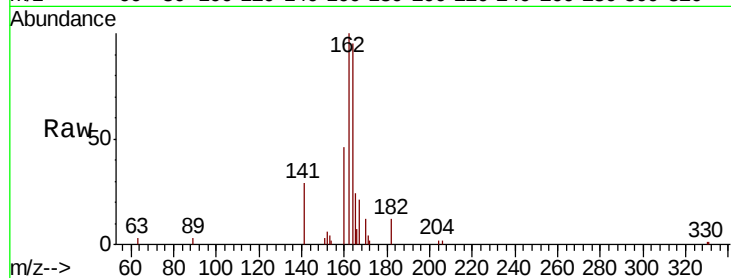
Tot Ion:164 Resp: 7907

Ion Ratio Lower Upper

164 100

162 104.9 85.3 127.9

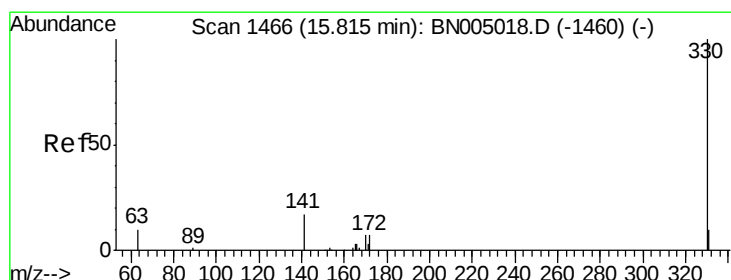
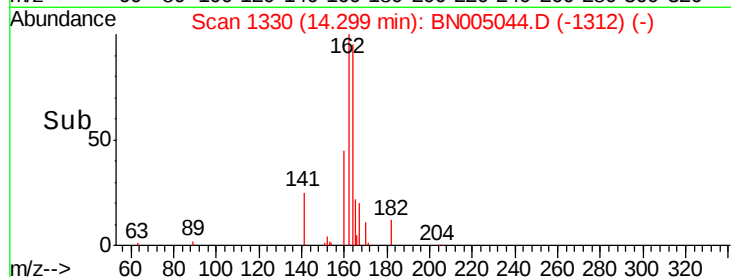
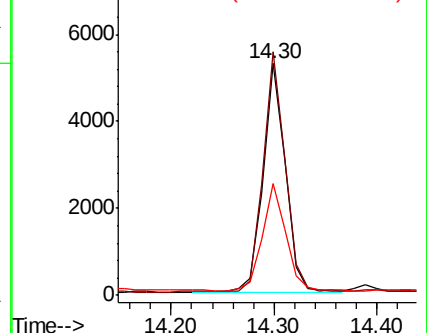
160 48.1 39.2 58.8



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: 0.102 ng

RT: 15.81 min Scan# 1466

Delta R.T. -0.00 min

Lab File: BN005044.D

Acq: 01 Apr 2019 12:23

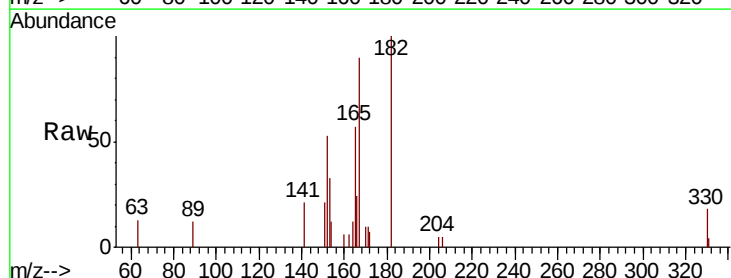
Tgt Ion:330 Resp: 454

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

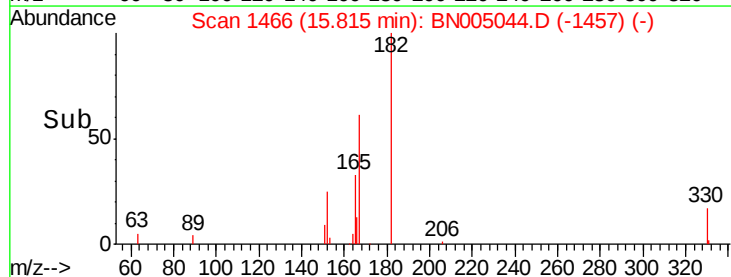
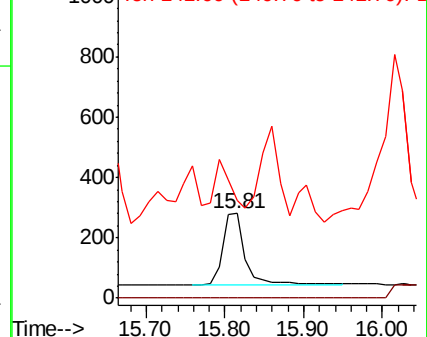
141 0.0 21.3 31.9#

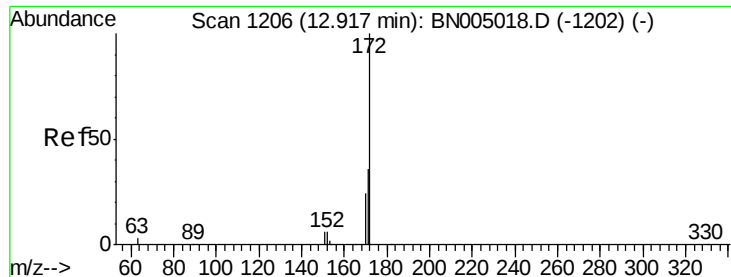


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

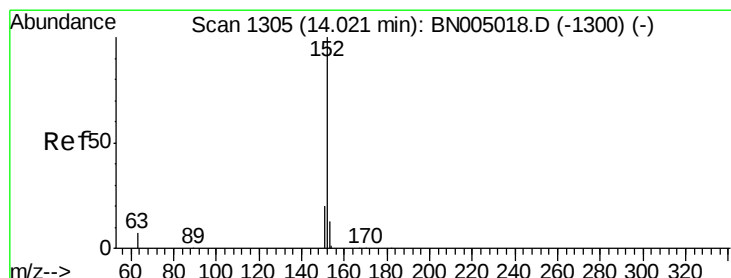
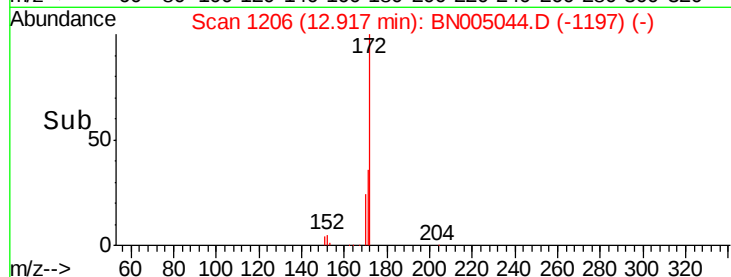
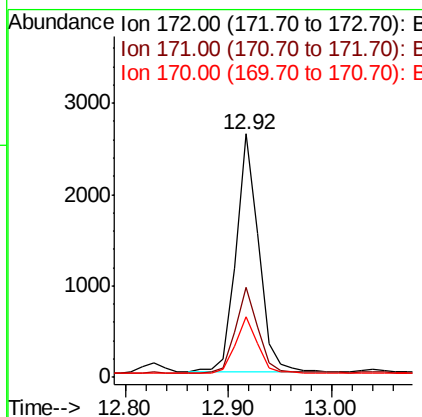
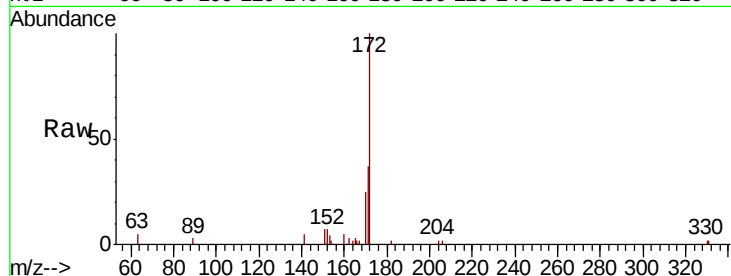




#15
2-Fluorobiphenyl
Concen: 0.132 ng
RT: 12.92 min Scan# 1206
Delta R.T. -0.00 min
Lab File: BN005044.D
Acq: 01 Apr 2019 12:23

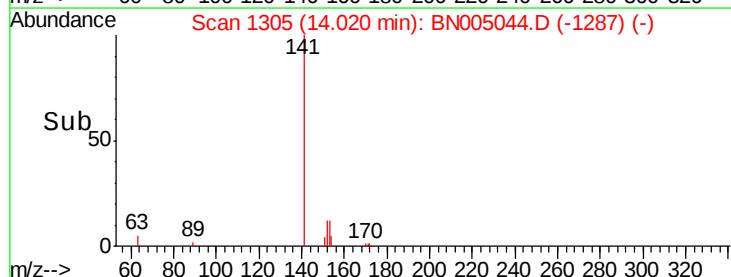
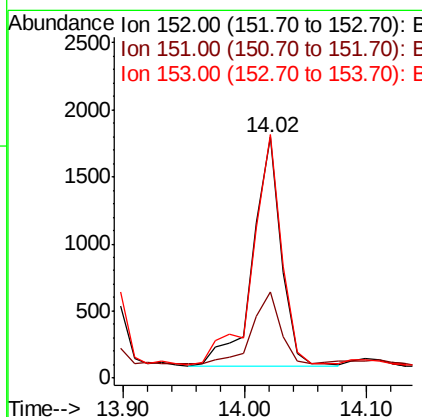
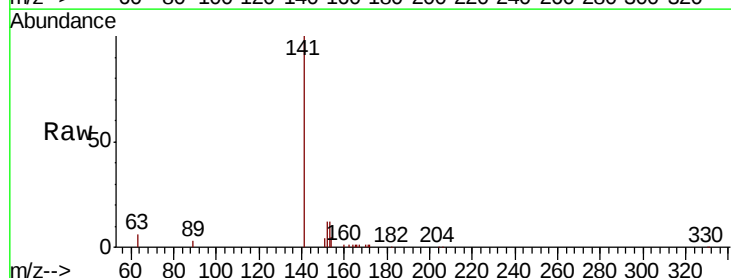
Instrument :
BNA_N
ClientSampleId :

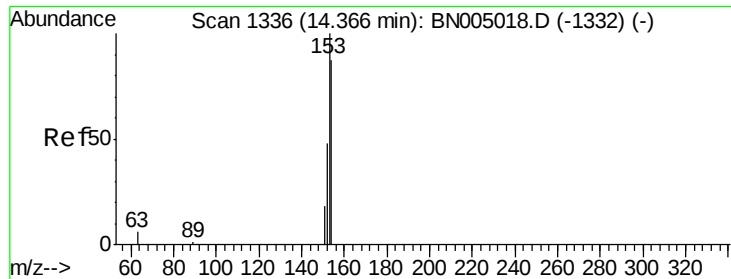
Tot Ion:172 Resp: 3945
Ion Ratio Lower Upper
172 100
171 36.9 29.4 44.0
170 24.7 20.0 30.0



#16
Acenaphthylene
Concen: 0.075 ng
RT: 14.02 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BN005044.D
Acq: 01 Apr 2019 12:23

Tgt Ion:152 Resp: 2789
Ion Ratio Lower Upper
152 100
151 31.4 15.8 23.6#
153 102.9 10.6 15.8#





#17

Acenaphthene

Concen: 0.364 ng

RT: 14.37 min Scan# 1336

Delta R.T. -0.00 min

Lab File: BN005044.D

Acq: 01 Apr 2019 12:23

Instrument :

BNA_N

ClientSampleId :

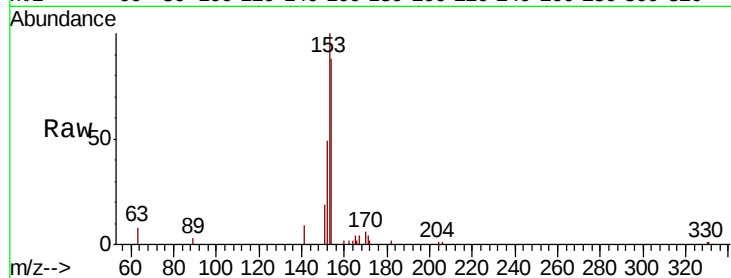
Tot Ion:154 Resp: 8627

Ion Ratio Lower Upper

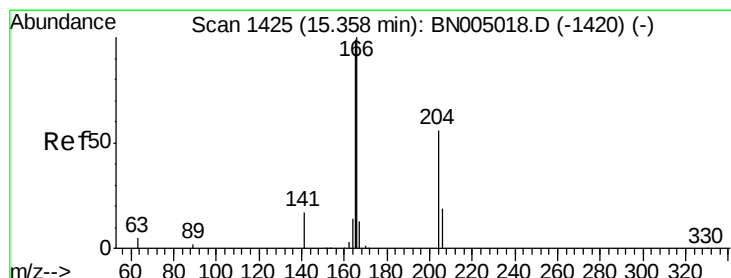
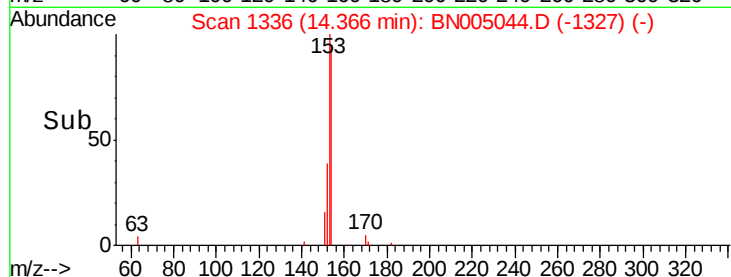
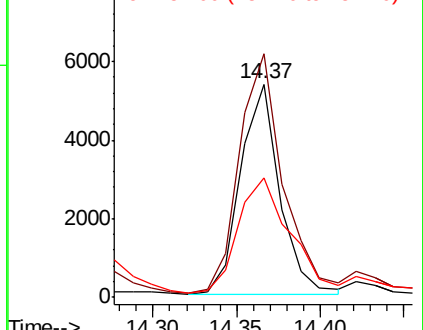
154 100

153 127.8 92.1 138.1

152 72.9 44.2 66.2#



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: 0.402 ng

RT: 15.36 min Scan# 1425

Delta R.T. -0.00 min

Lab File: BN005044.D

Acq: 01 Apr 2019 12:23

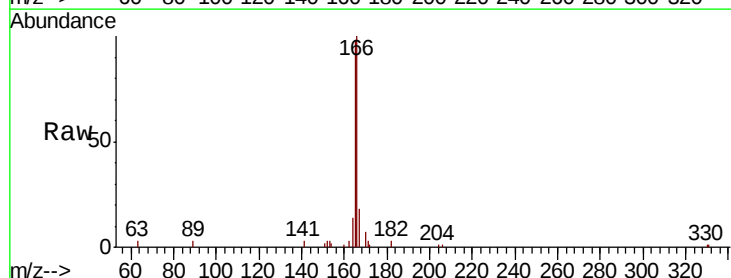
Tgt Ion:166 Resp: 12797

Ion Ratio Lower Upper

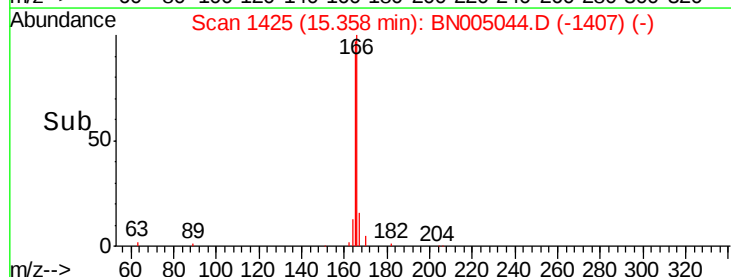
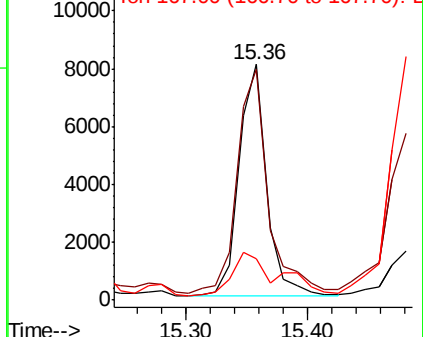
166 100

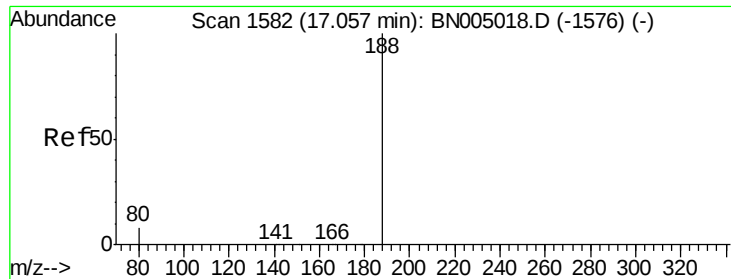
165 106.2 78.7 118.1

167 32.1 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: 17.06 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BN005044.D

Acq: 01 Apr 2019 12:23

Instrument :

BNA_N

ClientSampleId :

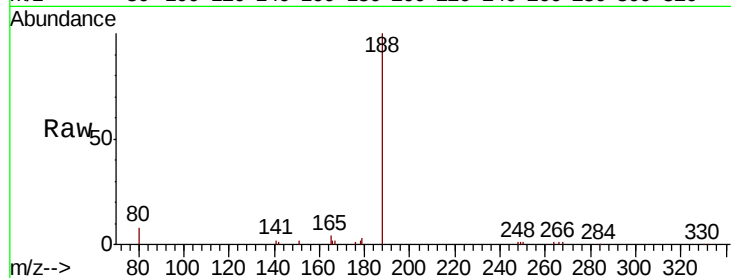
Tot Ion:188 Resp: 17939

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

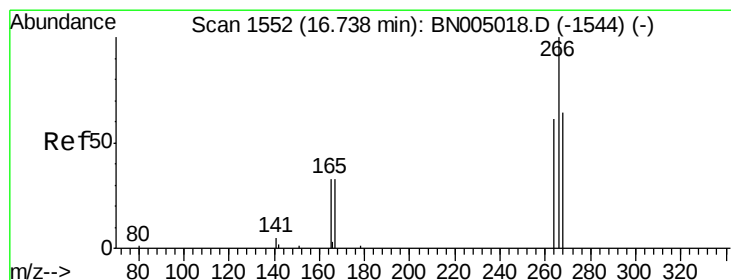
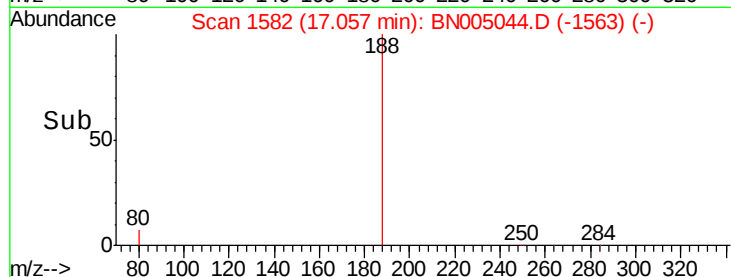
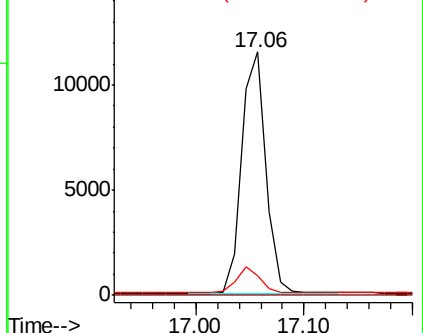
80 8.1 6.9 10.3



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



#22

Pentachlorophenol

Concen: 0.107 ng

RT: 16.74 min Scan# 1552

Delta R.T. 0.00 min

Lab File: BN005044.D

Acq: 01 Apr 2019 12:23

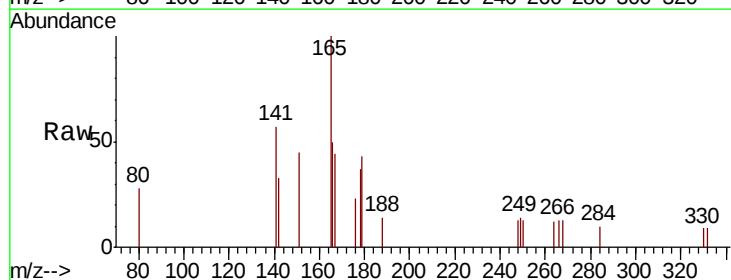
Tgt Ion:266 Resp: 40

Ion Ratio Lower Upper

266 100

264 93.8 53.4 80.0#

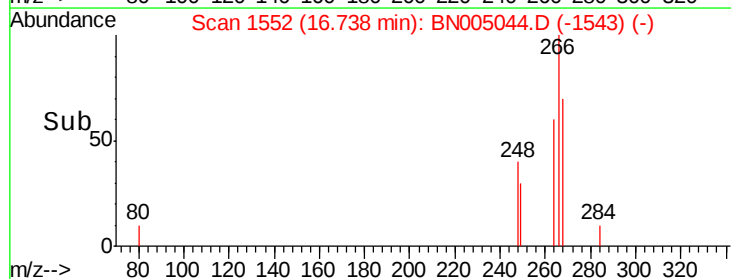
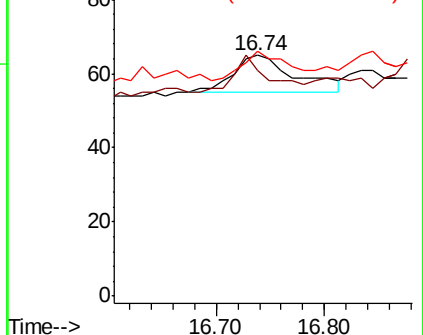
268 101.5 58.9 88.3#

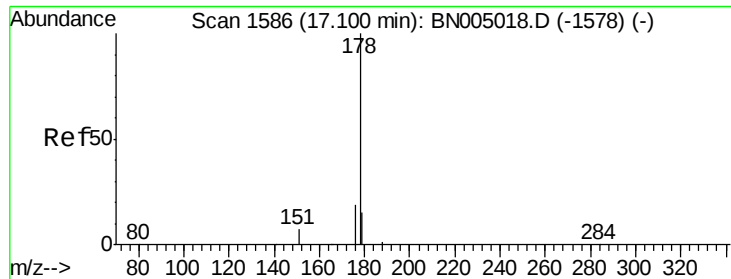


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.417 ng

RT: 17.10 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BN005044.D

Acq: 01 Apr 2019 12:23

Instrument :

BNA_N

ClientSampleId :

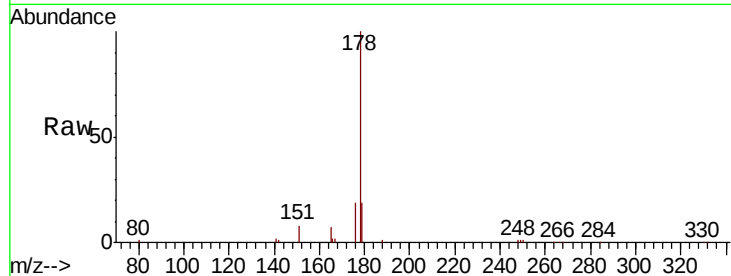
Tot Ion:178 Resp: 20957

Ion Ratio Lower Upper

178 100

176 18.1 15.1 22.7

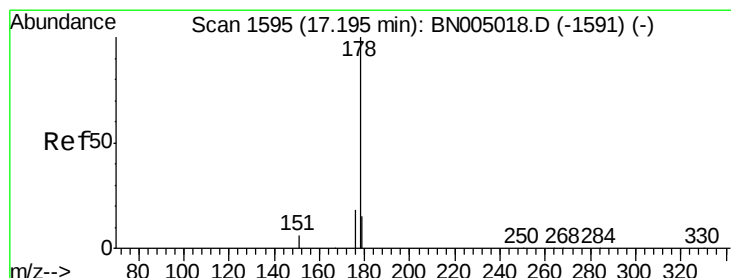
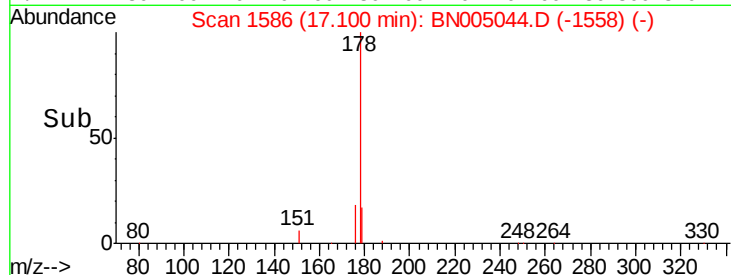
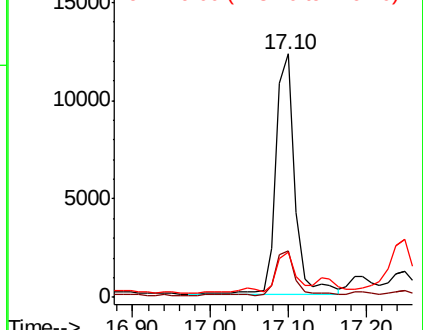
179 16.8 12.2 18.2



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



#24

Anthracene

Concen: 0.029 ng

RT: 17.18 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BN005044.D

Acq: 01 Apr 2019 12:23

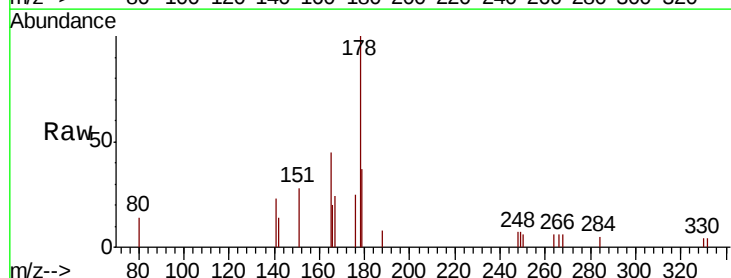
Tgt Ion:178 Resp: 1287

Ion Ratio Lower Upper

178 100

176 16.3 14.6 22.0

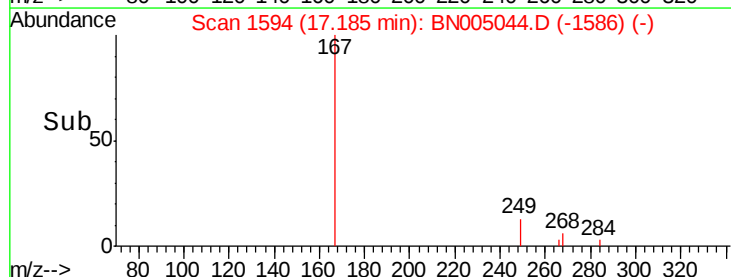
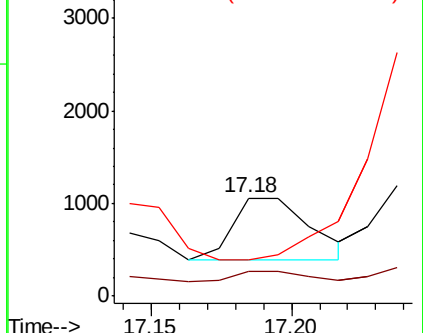
179 0.0 12.3 18.5#

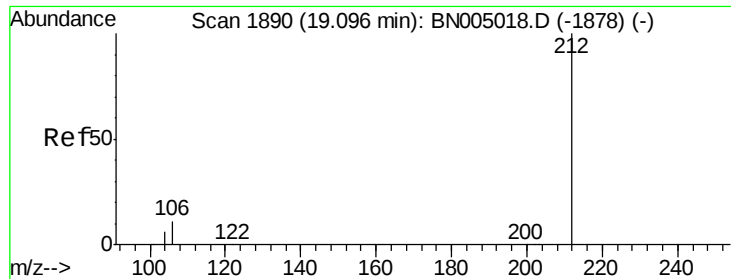


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.086 ng

RT: 19.10 min Scan# 1890

Delta R.T. -0.00 min

Lab File: BN005044.D

Acq: 01 Apr 2019 12:23

Instrument :

BNA_N

ClientSampleId :

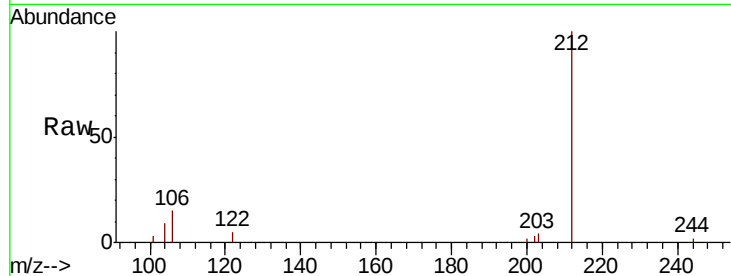
Tot Ion:212 Resp: 4403

Ion Ratio Lower Upper

212 100

106 12.4 9.4 14.2

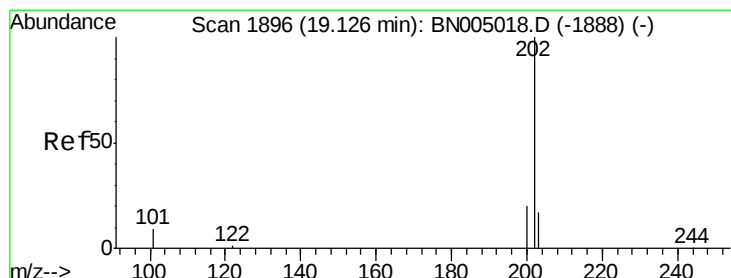
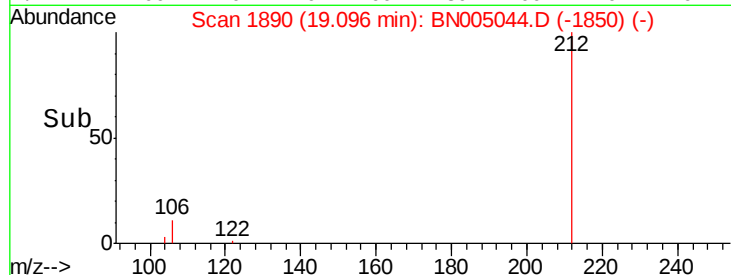
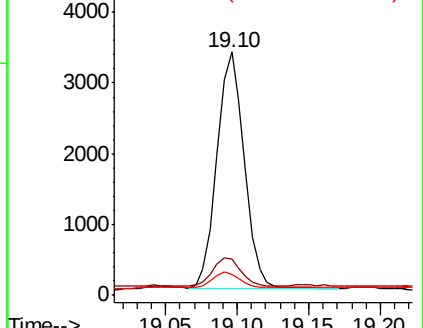
104 6.6 5.4 8.0



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.057 ng

RT: 19.13 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BN005044.D

Acq: 01 Apr 2019 12:23

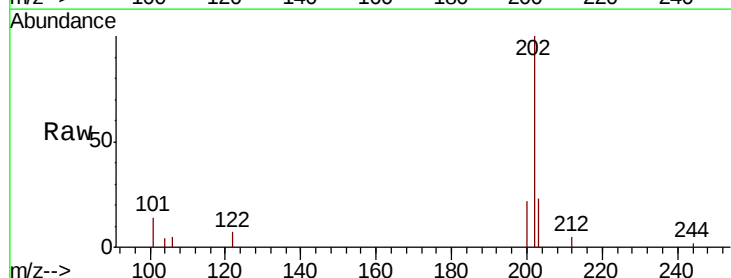
Tgt Ion:202 Resp: 3526

Ion Ratio Lower Upper

202 100

101 11.7 8.2 12.2

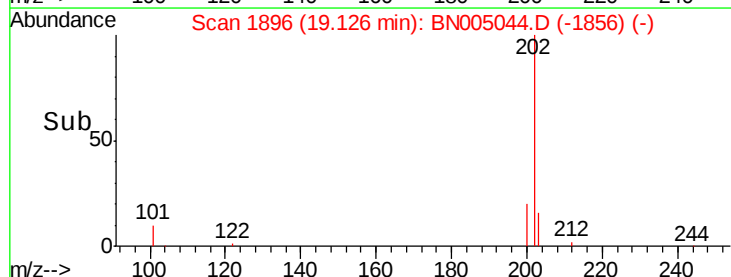
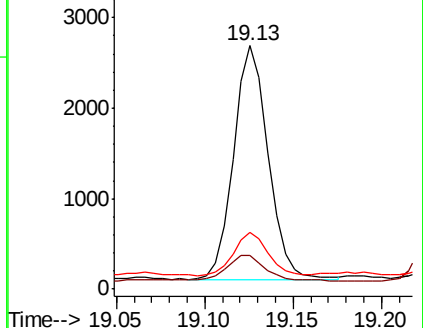
203 17.9 13.8 20.8

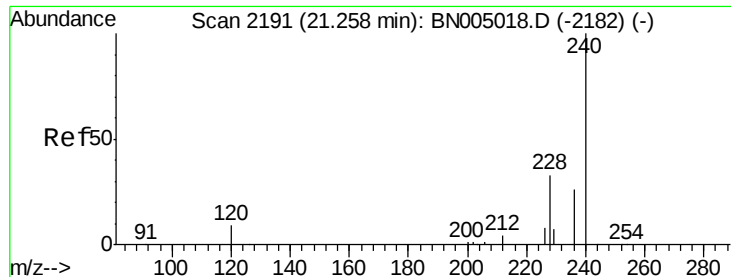


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

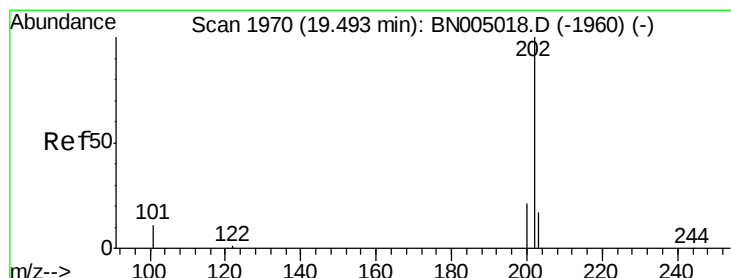
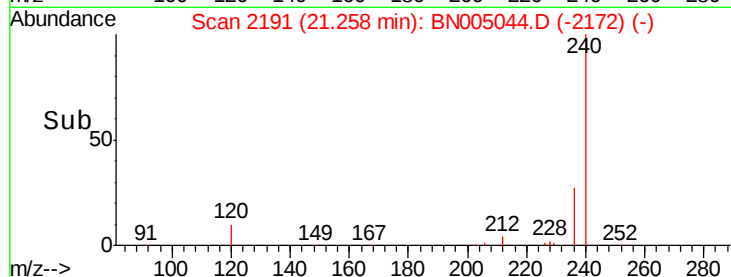
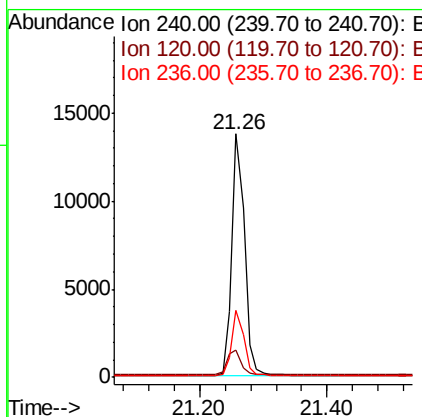
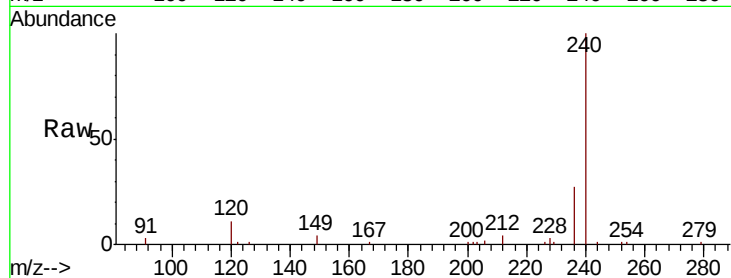




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.26 min Scan# 2191
 Delta R.T. -0.00 min
 Lab File: BN005044.D
 Acq: 01 Apr 2019 12:23

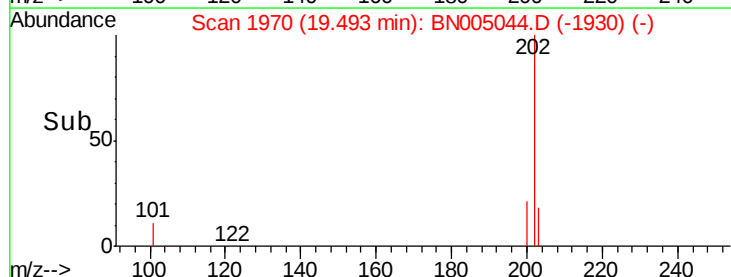
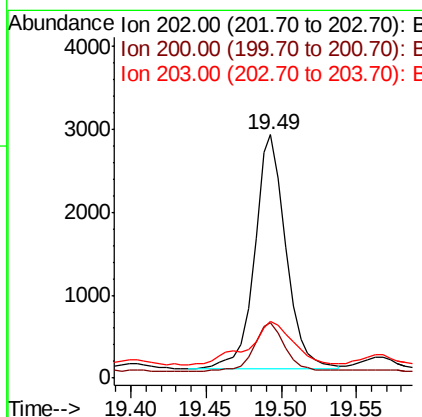
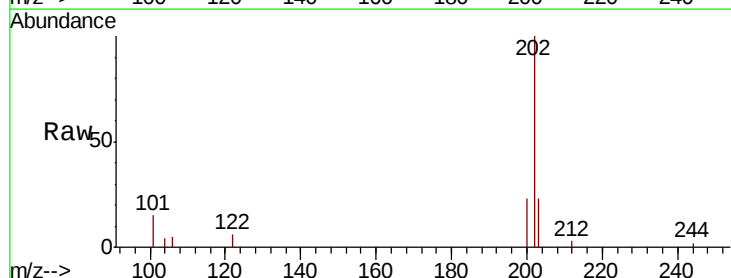
Instrument :
 BNA_N
 ClientSampleId :

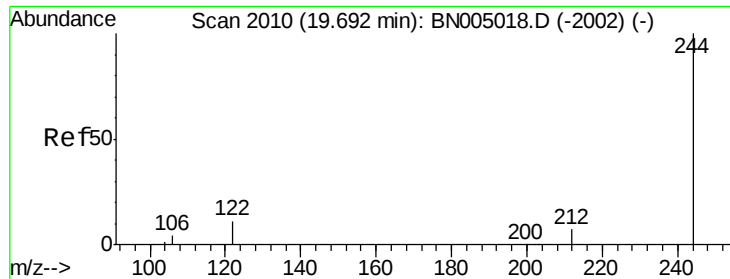
Tot Ion:240 Resp: 19194
 Ion Ratio Lower Upper
 240 100
 120 11.4 7.4 11.0#
 236 27.3 21.0 31.6



#28
 Pyrene
 Concen: 0.075 ng
 RT: 19.49 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: BN005044.D
 Acq: 01 Apr 2019 12:23

Tgt Ion:202 Resp: 4085
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.5 24.7
 203 26.4 13.9 20.9#

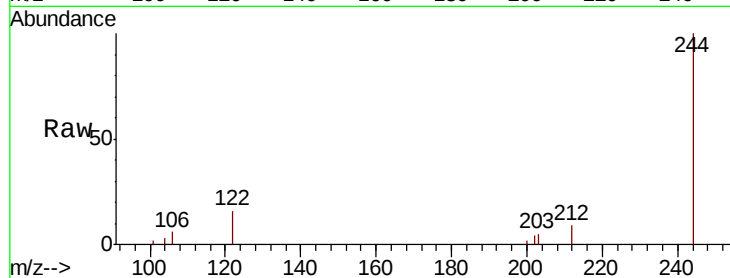




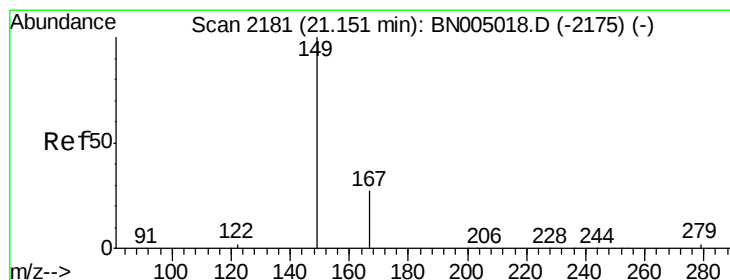
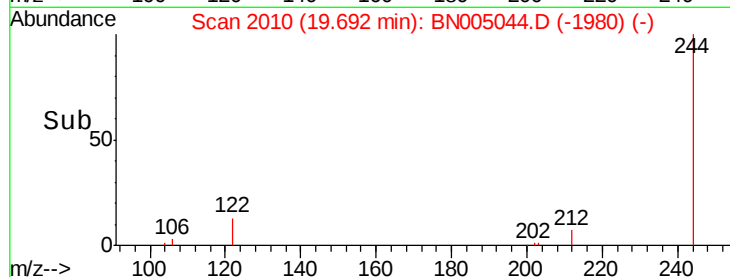
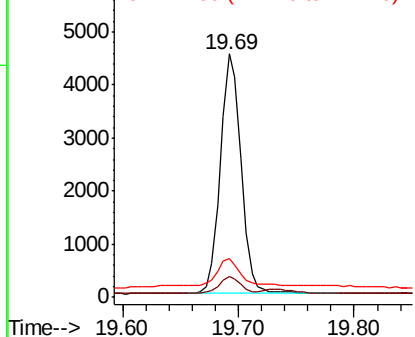
#29
 Terphenyl-d14
 Concen: 0.142 ng
 RT: 19.69 min Scan# 2010
 Delta R.T. -0.00 min
 Lab File: BN005044.D
 Acq: 01 Apr 2019 12:23

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:244 Resp: 5608
 Ion Ratio Lower Upper
 244 100
 212 8.5 5.9 8.9
 122 16.0 9.0 13.4#

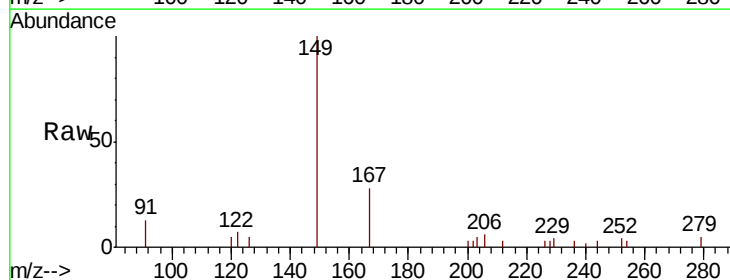


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

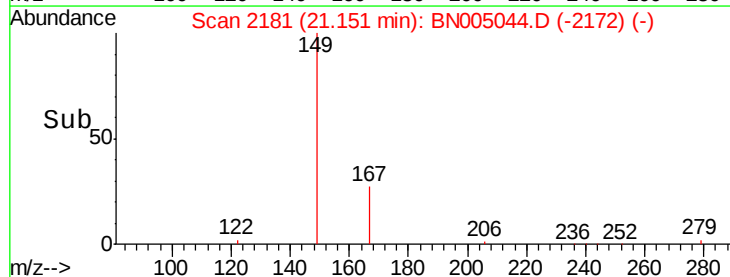
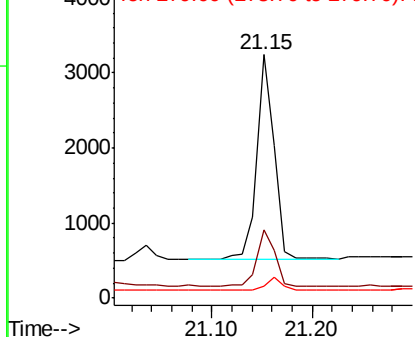


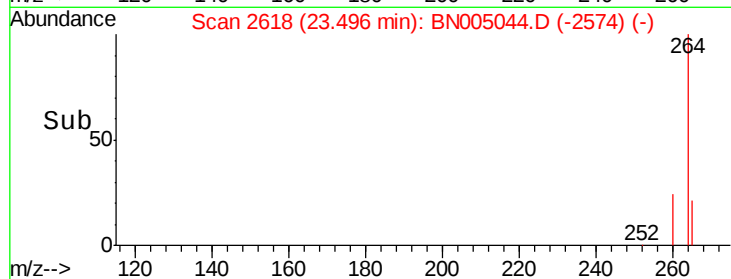
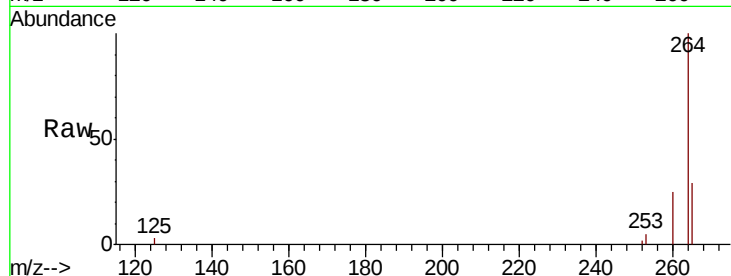
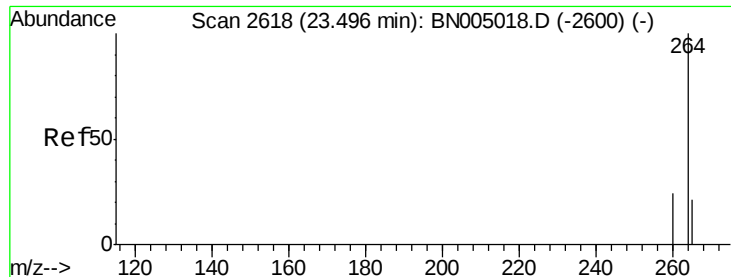
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.147 ng
 RT: 21.15 min Scan# 2181
 Delta R.T. -0.00 min
 Lab File: BN005044.D
 Acq: 01 Apr 2019 12:23

Tgt Ion:149 Resp: 3321
 Ion Ratio Lower Upper
 149 100
 167 28.5 22.2 33.4
 279 5.8 4.2 6.4



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: 23.50 min Scan# 2618

Delta R.T. -0.00 min

Lab File: BN005044.D

Acq: 01 Apr 2019 12:23

Instrument :

BNA_N

ClientSampleId :

Tot Ion:264 Resp: 17656

Ion Ratio Lower Upper

264 100

260 24.8 19.4 29.0

265 28.7 22.5 33.7

