

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN040119\
 Data File : BN005046.D
 Acq On : 01 Apr 2019 13:56
 Operator : JU/SJ
 Sample : K2129-03RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SP-1RE

Quant Time: Apr 02 01:35:54 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	7.65	152	2908	0.40	ng	0.00
7) Naphthalene-d8	10.44	136	12880	0.40	ng	0.00
13) Acenaphthene-d10	14.30	164	7930	0.40	ng	0.00
19) Phenanthrene-d10	17.06	188	17828	0.40	ng	0.00
27) Chrysene-d12	21.27	240	19414	0.40	ng	0.01
34) Perylene-d12	23.50	264	17692	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.25	112	337	0.05	ng	0.00
5) Phenol-d6	6.84	99	288	0.03	ng	0.00
8) Nitrobenzene-d5	8.83	82	659	0.09	ng	0.00
11) 2-Methylnaphthalene-d10	12.03	152	1932	0.10	ng	0.00
14) 2,4,6-Tribromophenol	15.80	330	460	0.10	ng	-0.01
15) 2-Fluorobiphenyl	12.92	172	3897	0.13	ng	0.00
25) Fluoranthene-d10	19.10	212	4390	0.09	ng	0.00
29) Terphenyl-d14	19.70	244	5725	0.14	ng	0.00

Target Compounds

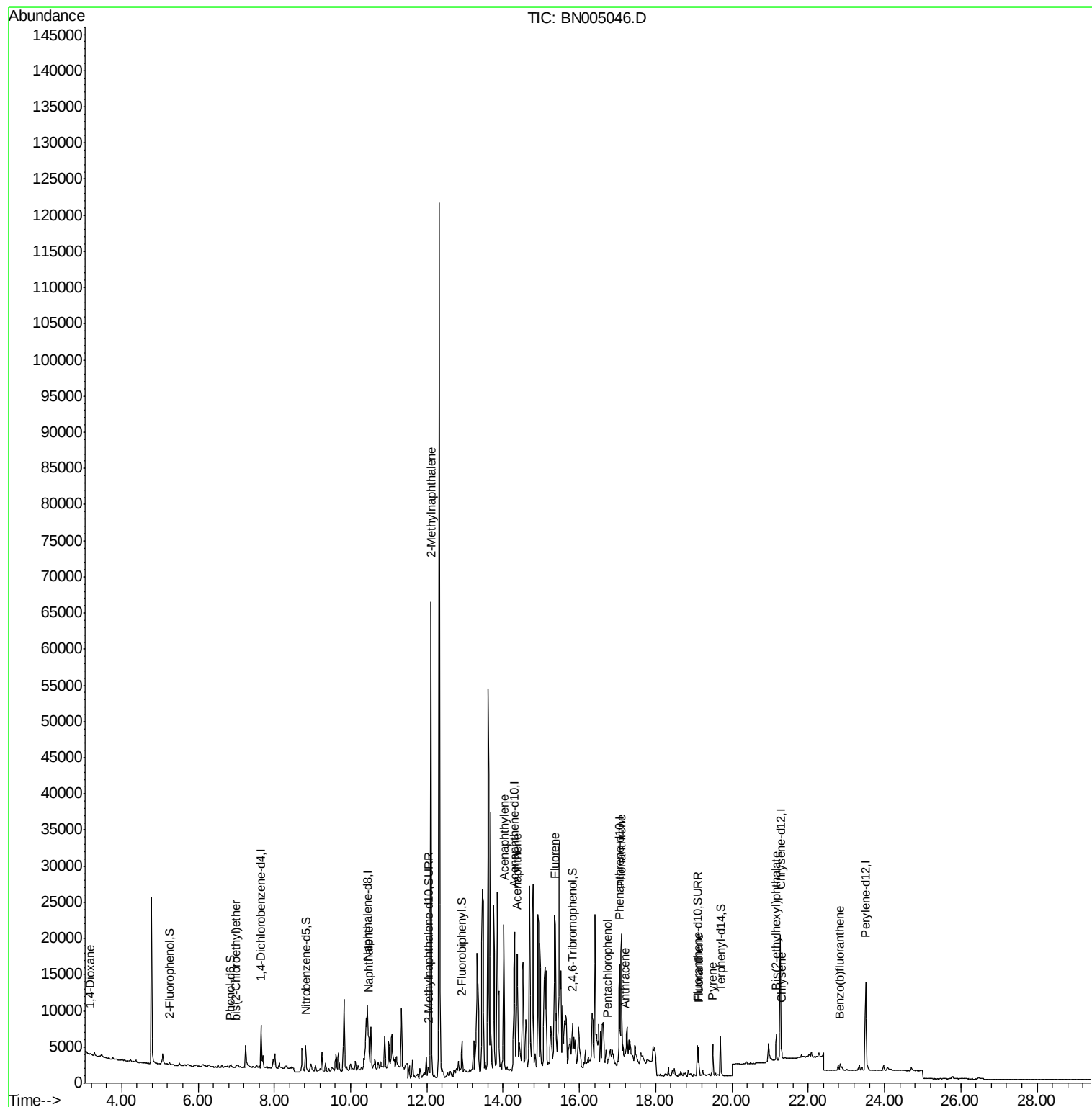
						Qvalue
2) 1,4-Dioxane	3.18	88	115	0.037	ng	# 1
6) bis(2-Chloroethyl)ether	7.00	93	593	0.073	ng	# 41
9) Naphthalene	10.48	128	1885	0.058	ng	# 2
12) 2-Methylnaphthalene	12.10	142	47869	2.050	ng	98
16) Acenaphthylene	14.02	152	2808	0.075	ng	# 1
17) Acenaphthene	14.37	154	8504	0.358	ng	# 85
18) Fluorene	15.36	166	12843	0.403	ng	# 88
22) Pentachlorophenol	16.74	266	33	0.104	ng	# 73
23) Phenanthrene	17.10	178	20746	0.416	ng	98
24) Anthracene	17.19	178	1249	0.028	ng	# 81
26) Fluoranthene	19.13	202	3574	0.058	ng	97
28) Pyrene	19.49	202	4117	0.075	ng	# 91
31) Chrysene	21.30	228	1381	0.023	ng	# 83
32) Bis(2-ethylhexyl)phthalate	21.16	149	3431	0.150	ng	99
35) Benzo(b)fluoranthene	22.83	252	1229	0.022	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: 7.65 min Scan# 574

Delta R.T. -0.01 min

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Instrument :

BNA_N

ClientSampleId :

SP-1RE

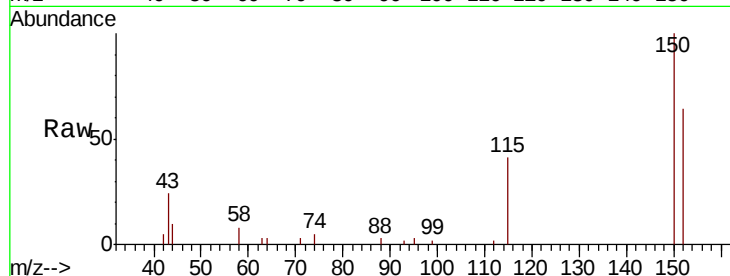
Tgt Ion:152 Resp: 2908

Ion Ratio Lower Upper

152 100

150 156.6 123.4 185.2

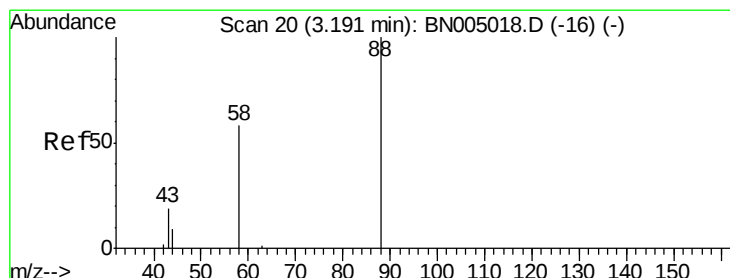
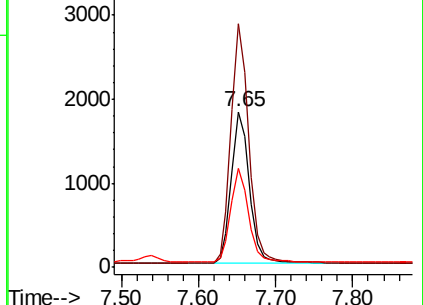
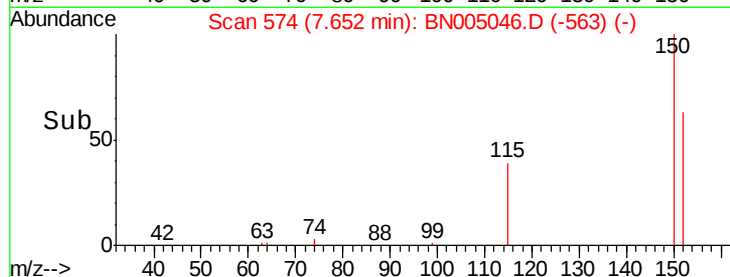
115 63.8 50.0 75.0



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: 0.037 ng

RT: 3.18 min Scan# 19

Delta R.T. -0.01 min

Lab File: BN005046.D

Acq: 01 Apr 2019 13:56

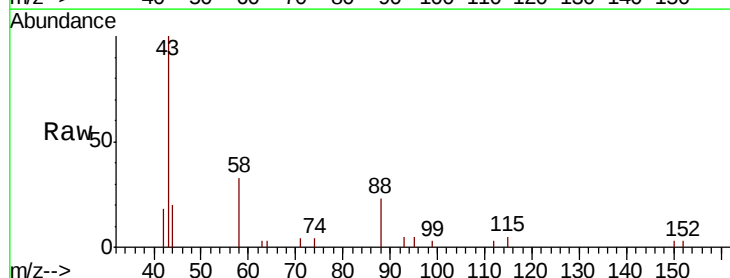
Tgt Ion: 88 Resp: 115

Ion Ratio Lower Upper

88 100

58 27.8 52.8 79.2#

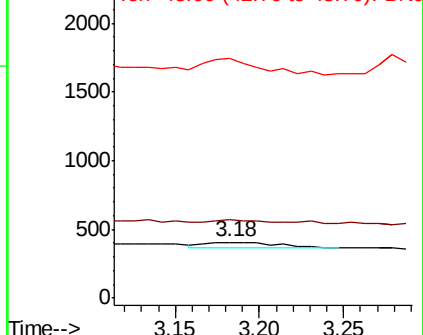
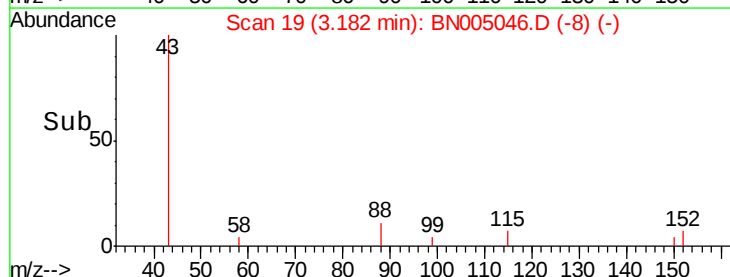
43 207.0 19.6 29.4#

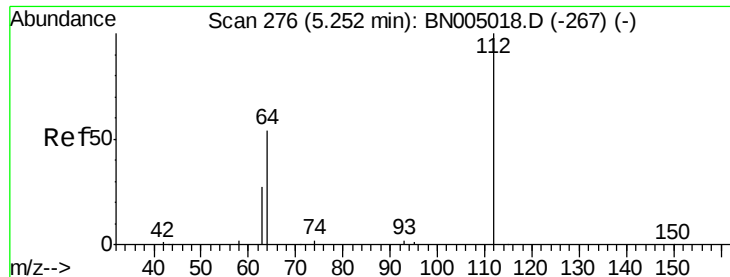


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#4

2-Fluorophenol

Concen: 0.046 ng

RT: 5.25 min Scan# 276

Delta R.T. -0.00 min

Lab File: BN005046.D

Acq: 01 Apr 2019 13:56

Instrument :

BNA_N

ClientSampleId :

SP-1RE

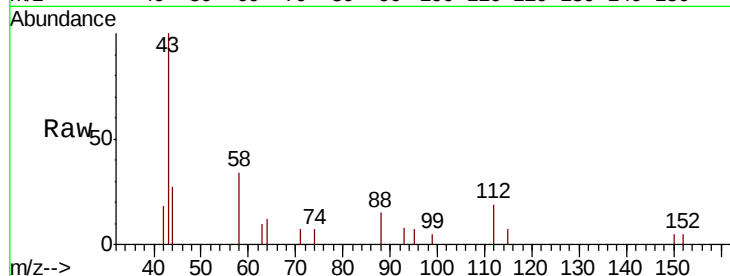
Tgt Ion: 112 Resp: 337

Ion Ratio Lower Upper

112 100

64 52.2 41.9 62.9

63 24.6 21.5 32.3



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC

250

200

150

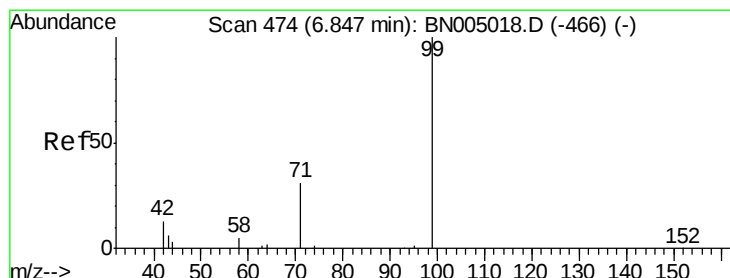
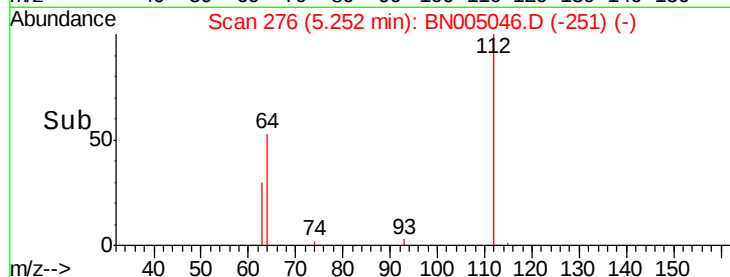
100

50

0

5.10 5.20 5.30 5.40

Time-->



#5

Phenol-d6

Concen: 0.033 ng

RT: 6.84 min Scan# 473

Delta R.T. -0.01 min

Lab File: BN005046.D

Acq: 01 Apr 2019 13:56

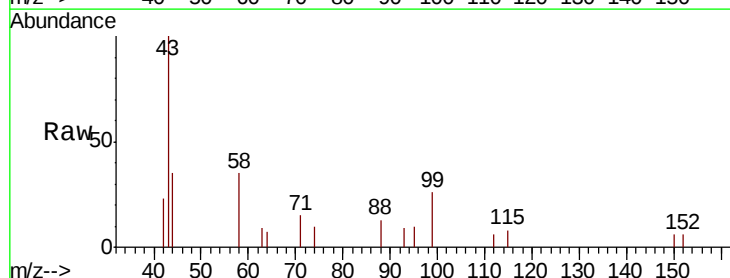
Tgt Ion: 99 Resp: 288

Ion Ratio Lower Upper

99 100

42 36.5 12.2 18.2#

71 38.2 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

250

200

150

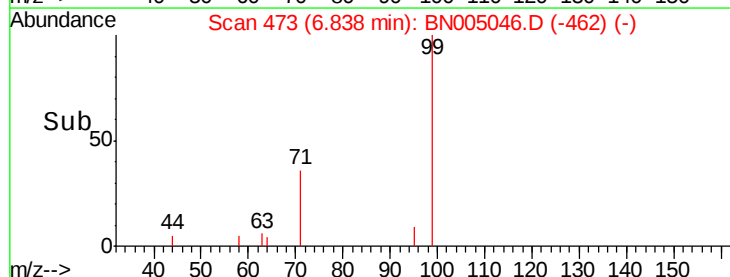
100

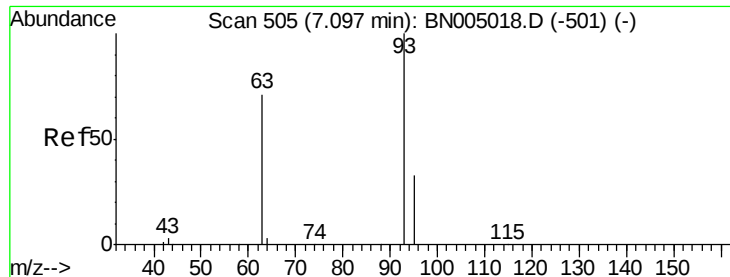
50

0

6.75 6.80 6.85 6.90 6.95

Time-->





#6

bis(2-Chloroethyl)ether

Concen: 0.073 ng

RT: 7.00 min Scan# 493

Delta R.T. -0.10 min

Lab File: BN005046.D

Acq: 01 Apr 2019 13:56

Instrument :

BNA_N

ClientSampleId :

SP-1RE

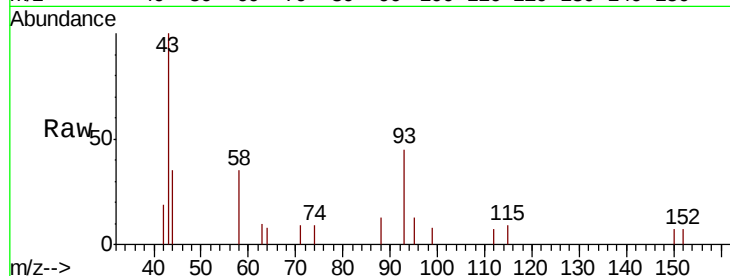
Tgt Ion: 93 Resp: 593

Ion Ratio Lower Upper

93 100

63 6.1 51.8 77.6#

95 17.2 24.8 37.2#



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

Ion 63.00 (62.70 to 63.70): BN005018.D (-501) (-)

Ion 95.00 (94.70 to 95.70): BN005018.D (-501) (-)

7.00

400

300

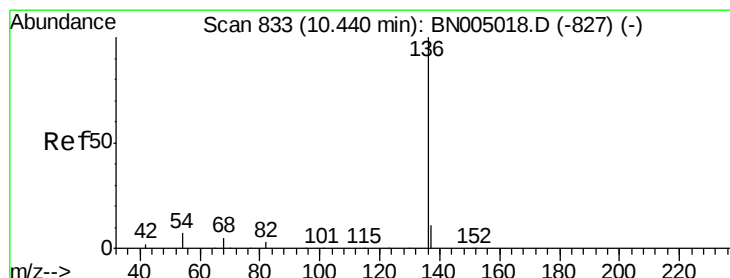
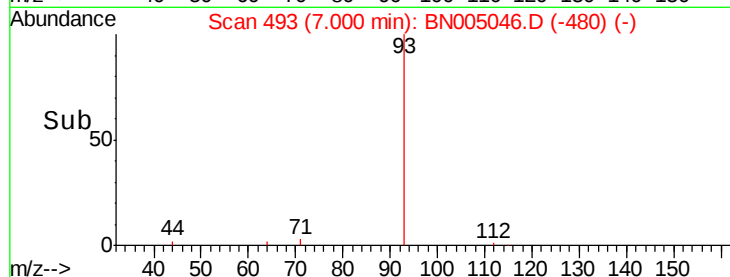
200

100

0

6.90 6.95 7.00 7.05 7.10

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.44 min Scan# 833

Delta R.T. -0.00 min

Lab File: BN005046.D

Acq: 01 Apr 2019 13:56

Tgt Ion: 136 Resp: 12880

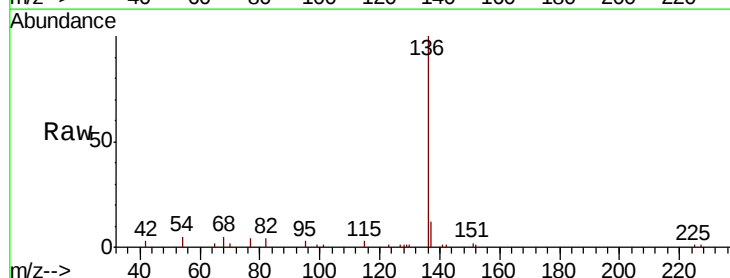
Ion Ratio Lower Upper

136 100

137 11.9 9.2 13.8

54 5.3 6.0 9.0#

68 5.1 5.0 7.6



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

Ion 137.00 (136.70 to 137.70): BN005018.D (-827) (-)

Ion 54.00 (53.70 to 54.70): BN005018.D (-827) (-)

Ion 68.00 (67.70 to 68.70): BN005018.D (-827) (-)

10.44

10000

8000

6000

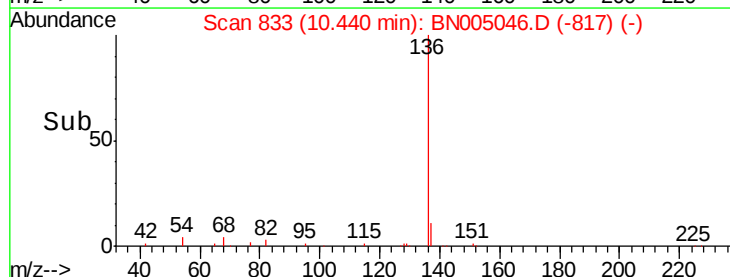
4000

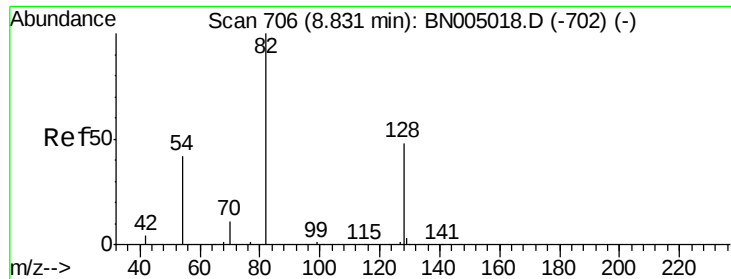
2000

0

10.30 10.40 10.50 10.60

Time-->





#8

Nitrobenzene-d5

Concen: 0.088 ng

RT: 8.83 min Scan# 706

Delta R.T. -0.00 min

Lab File: BN005046.D

Acq: 01 Apr 2019 13:56

Instrument :

BNA_N

ClientSampleId :

SP-1RE

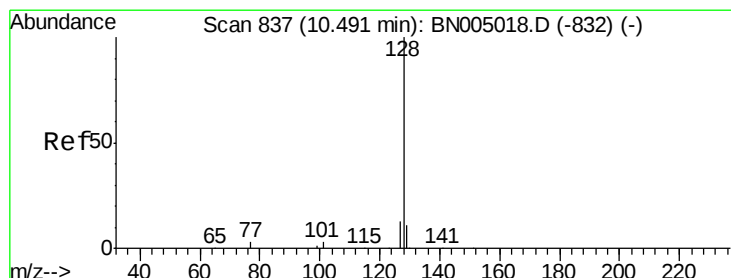
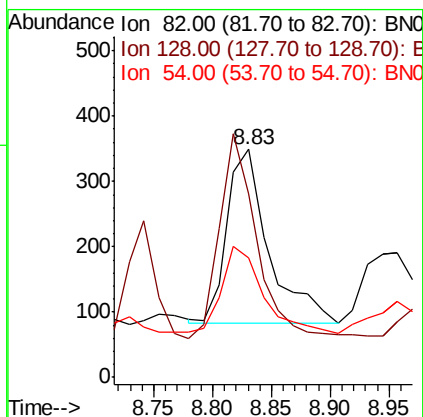
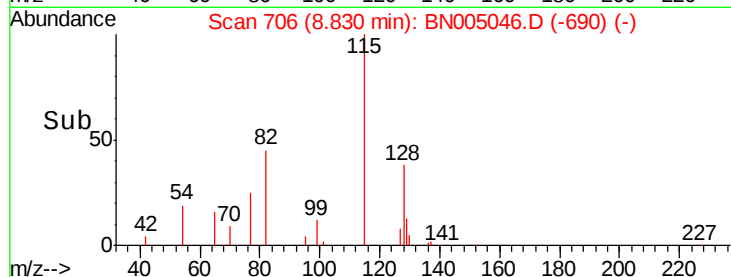
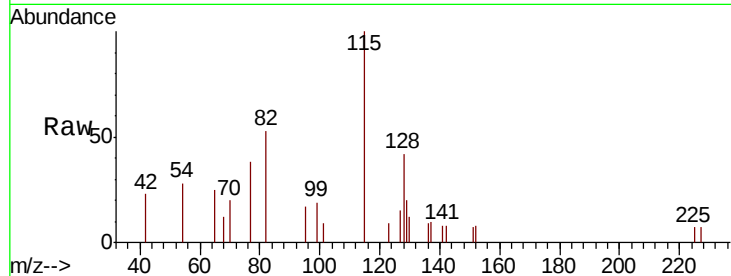
Tgt Ion: 82 Resp: 659

Ion Ratio Lower Upper

82 100

128 80.5 40.5 60.7#

54 52.4 35.7 53.5



#9

Naphthalene

Concen: 0.058 ng

RT: 10.48 min Scan# 836

Delta R.T. -0.01 min

Lab File: BN005046.D

Acq: 01 Apr 2019 13:56

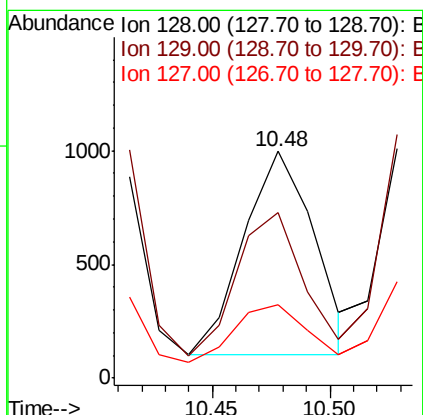
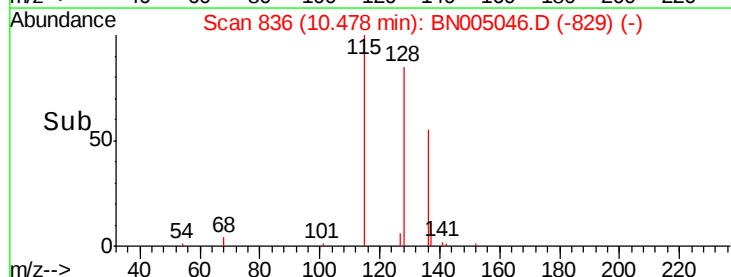
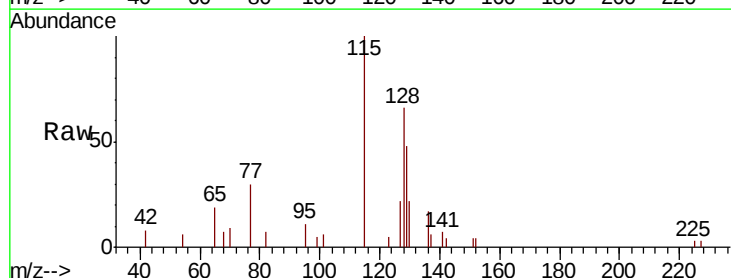
Tgt Ion: 128 Resp: 1885

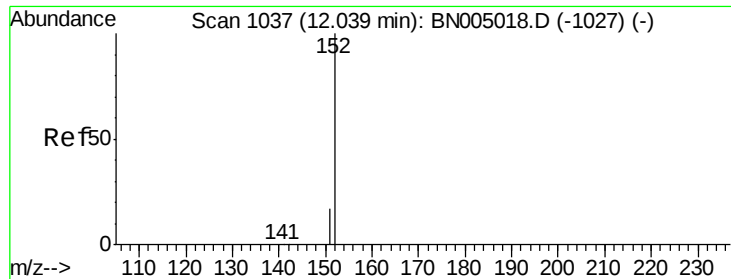
Ion Ratio Lower Upper

128 100

129 72.9 9.4 14.2#

127 32.6 11.0 16.6#

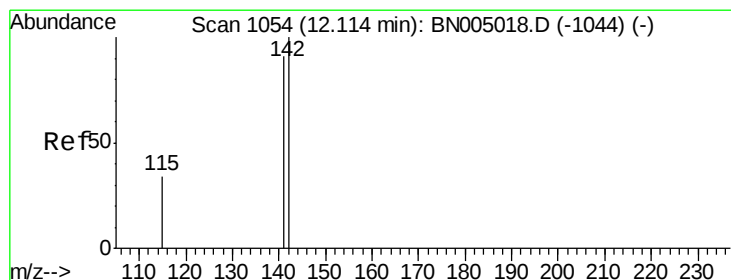
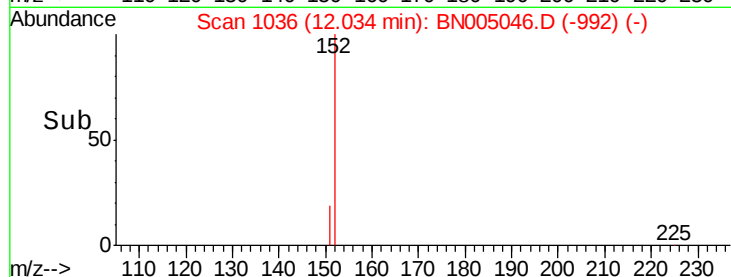
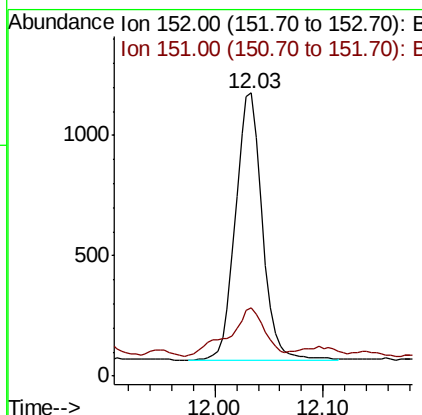
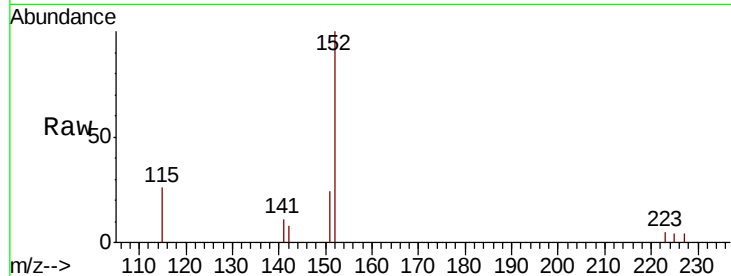




#11
 2-Methylnaphthalene-d10
 Concen: 0.097 ng
 RT: 12.03 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: BN005046.D
 Acq: 01 Apr 2019 13:56

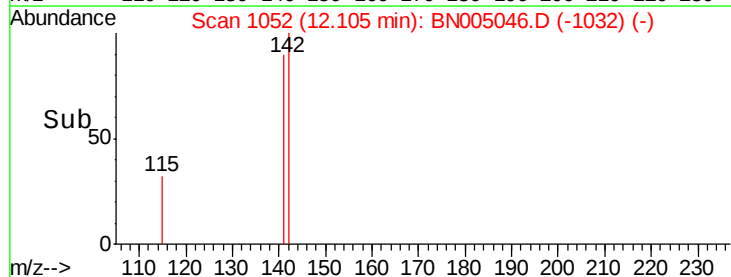
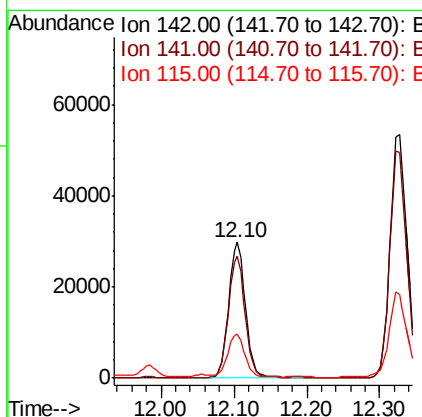
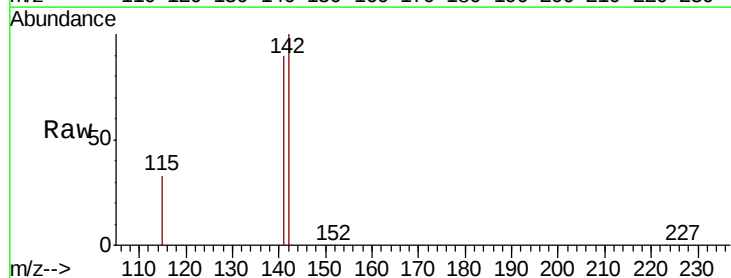
Instrument :
 BNA_N
 ClientSampleId :
 SP-1RE

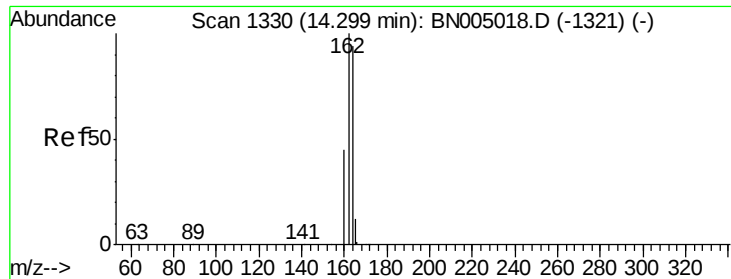
Tgt Ion:152 Resp: 1932
 Ion Ratio Lower Upper
 152 100
 151 24.1 15.3 22.9#



#12
 2-Methylnaphthalene
 Concen: 2.050 ng
 RT: 12.10 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: BN005046.D
 Acq: 01 Apr 2019 13:56

Tgt Ion:142 Resp: 47869
 Ion Ratio Lower Upper
 142 100
 141 89.7 72.6 108.8
 115 32.9 27.8 41.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.30 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BN005046.D

Acq: 01 Apr 2019 13:56

Instrument :

BNA_N

ClientSampleId :

SP-1RE

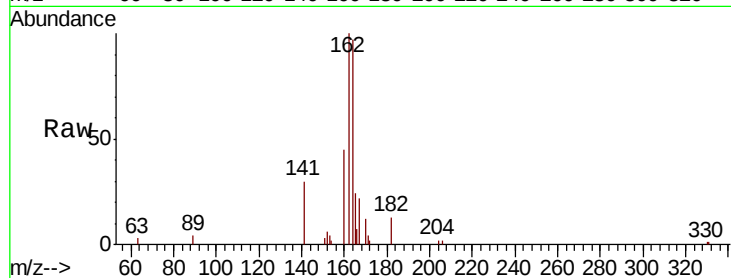
Tgt Ion:164 Resp: 7930

Ion Ratio Lower Upper

164 100

162 102.7 85.3 127.9

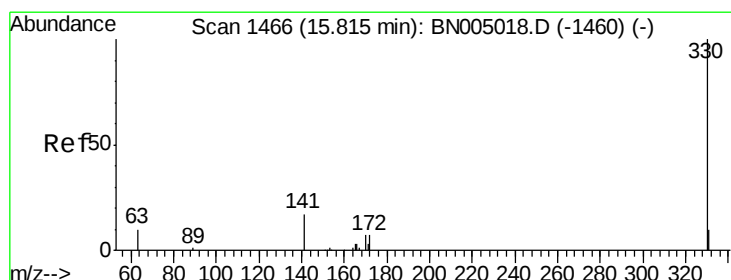
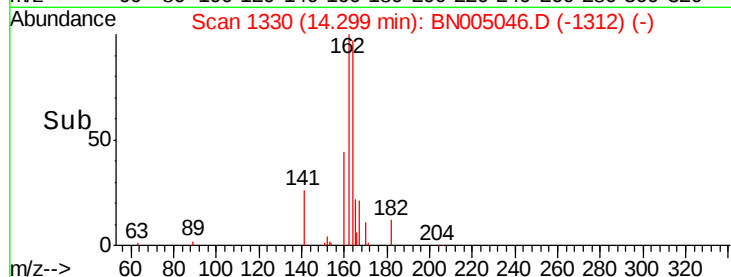
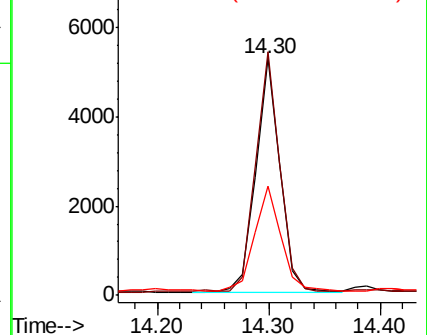
160 46.3 39.2 58.8



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: 0.103 ng

RT: 15.80 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BN005046.D

Acq: 01 Apr 2019 13:56

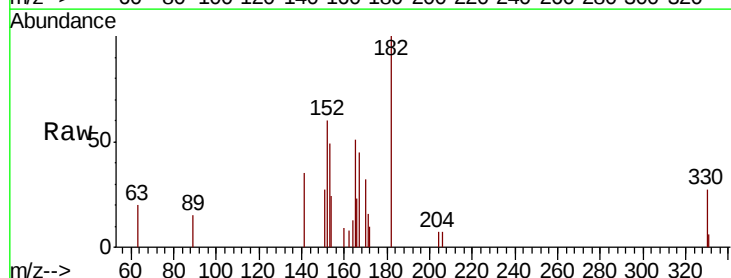
Tgt Ion:330 Resp: 460

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

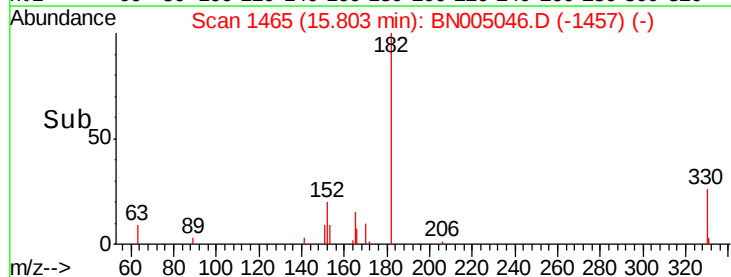
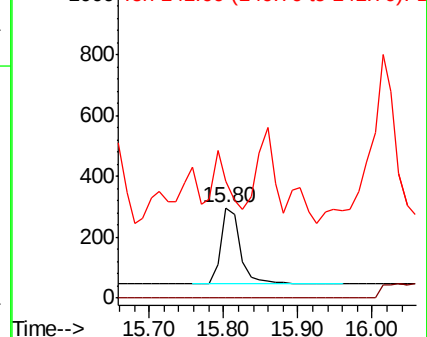
141 54.1 21.3 31.9#

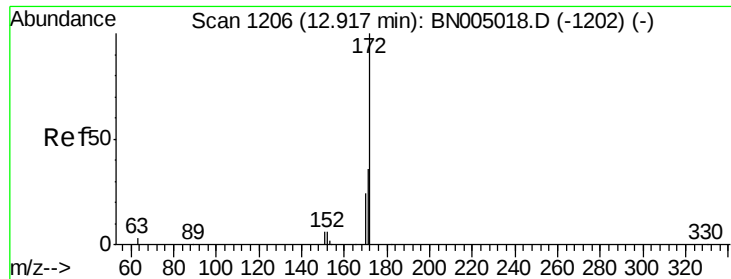


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

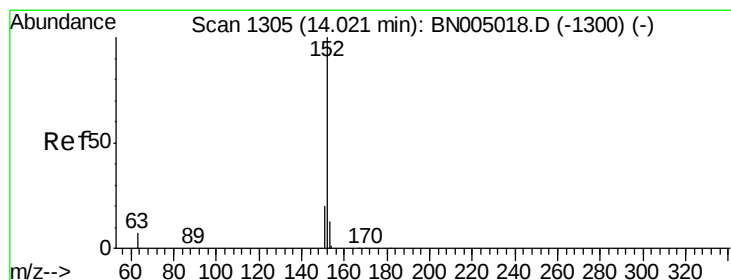
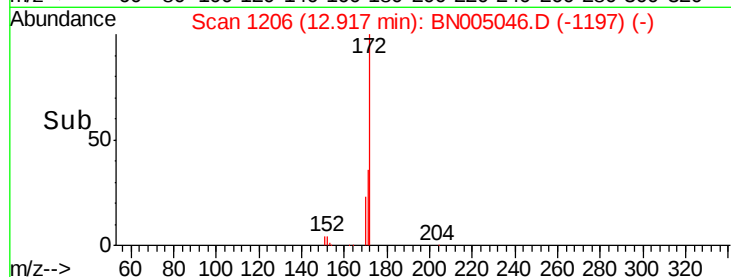
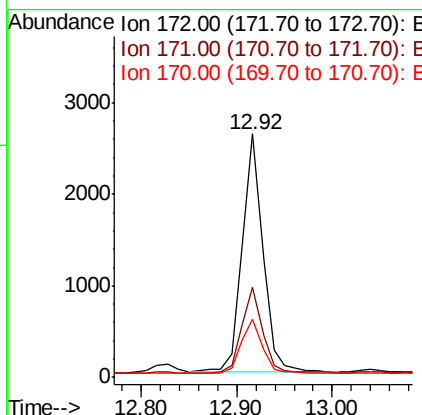
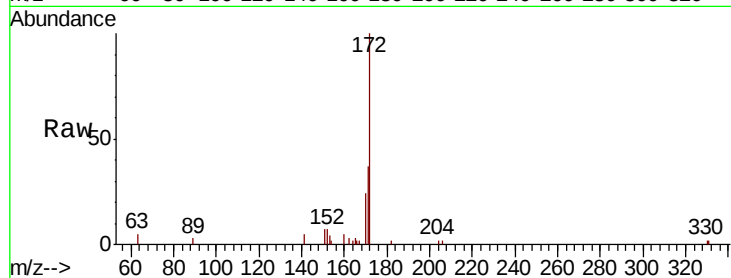




#15
2-Fluorobiphenyl
Concen: 0.130 ng
RT: 12.92 min Scan# 1206
Delta R.T. -0.00 min
Lab File: BN005046.D
Acq: 01 Apr 2019 13:56

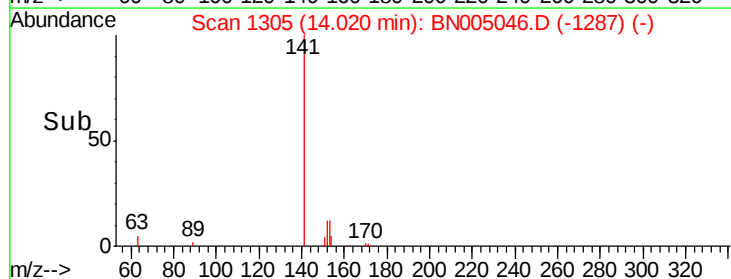
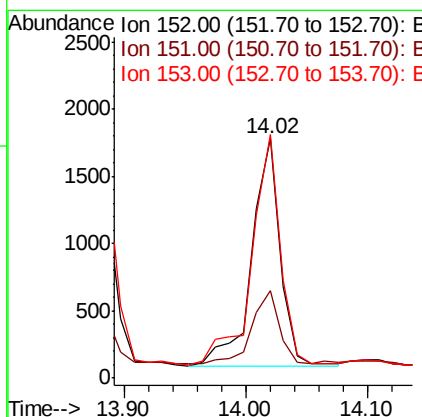
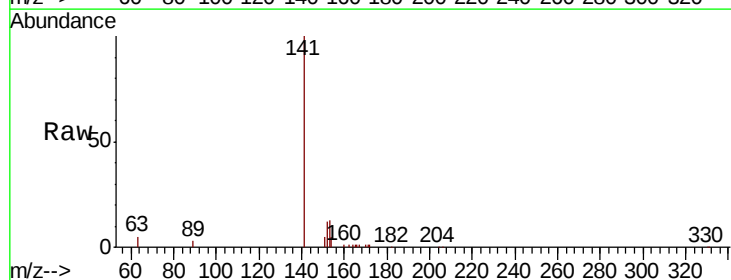
Instrument :
BNA_N
ClientSampleId :
SP-1RE

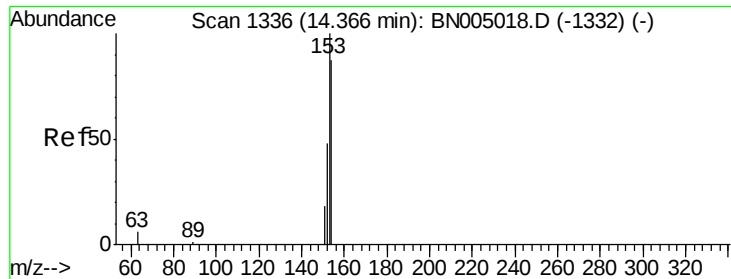
Tgt Ion:172 Resp: 3897
Ion Ratio Lower Upper
172 100
171 36.8 29.4 44.0
170 23.6 20.0 30.0



#16
Acenaphthylene
Concen: 0.075 ng
RT: 14.02 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BN005046.D
Acq: 01 Apr 2019 13:56

Tgt Ion:152 Resp: 2808
Ion Ratio Lower Upper
152 100
151 31.8 15.8 23.6#
153 101.5 10.6 15.8#





#17

Acenaphthene

Concen: 0.358 ng

RT: 14.37 min Scan# 1336

Delta R.T. -0.00 min

Lab File: BN005046.D

Acq: 01 Apr 2019 13:56

Instrument :

BNA_N

ClientSampleId :

SP-1RE

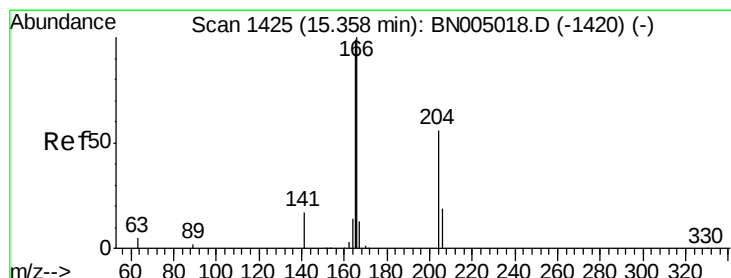
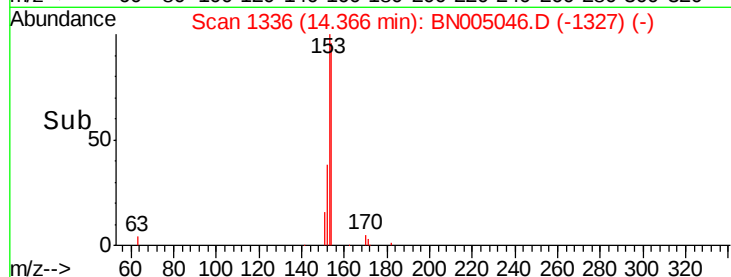
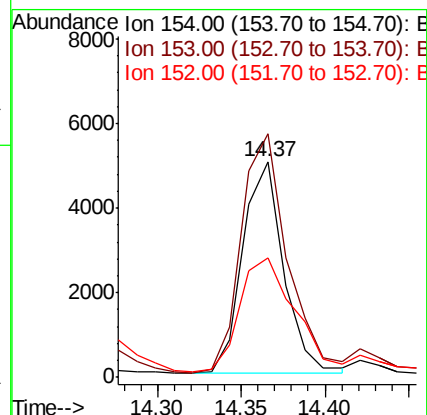
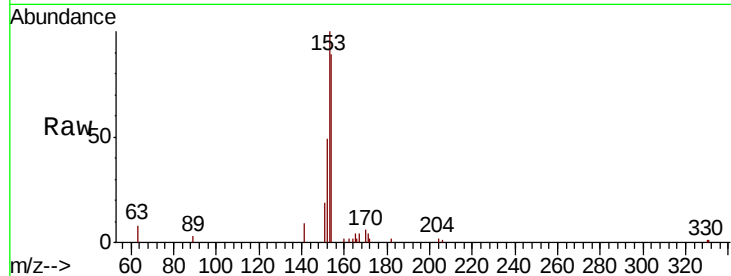
Tgt Ion:154 Resp: 8504

Ion Ratio Lower Upper

154 100

153 127.0 92.1 138.1

152 72.6 44.2 66.2#



#18

Fluorene

Concen: 0.403 ng

RT: 15.36 min Scan# 1425

Delta R.T. -0.00 min

Lab File: BN005046.D

Acq: 01 Apr 2019 13:56

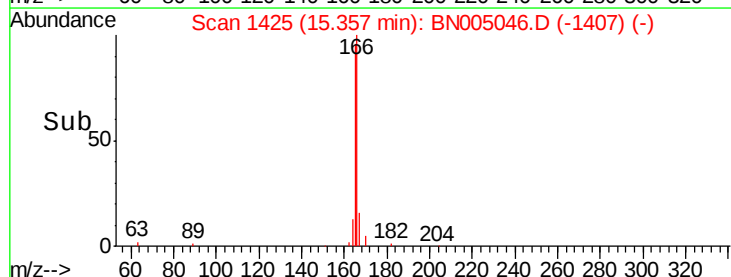
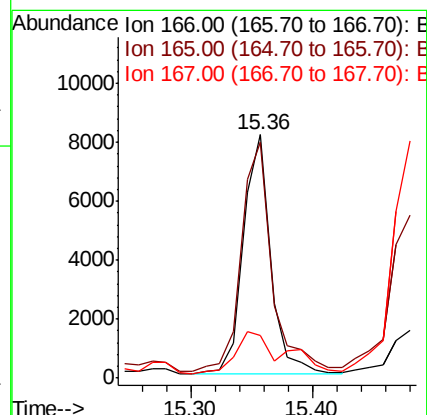
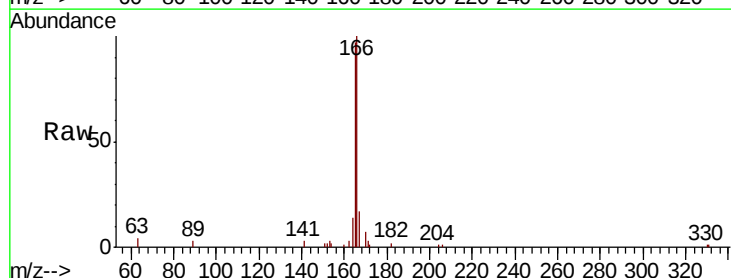
Tgt Ion:166 Resp: 12843

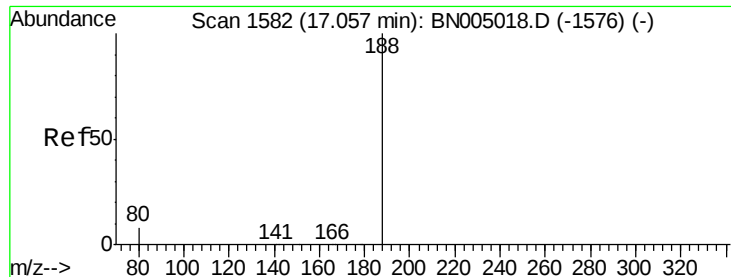
Ion Ratio Lower Upper

166 100

165 105.5 78.7 118.1

167 31.9 10.9 16.3#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.06 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BN005046.D

Acq: 01 Apr 2019 13:56

Instrument :

BNA_N

ClientSampleId :

SP-1RE

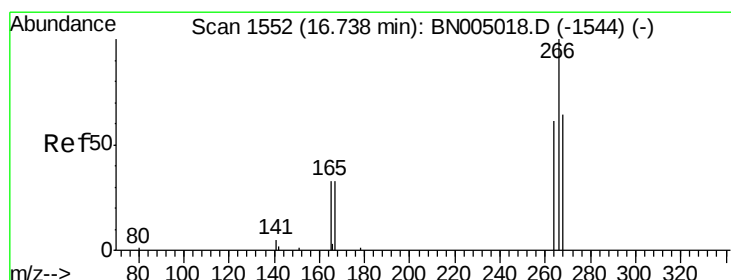
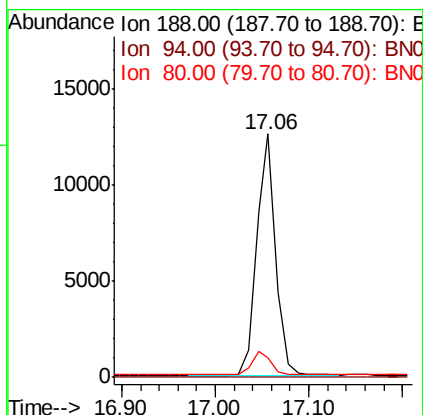
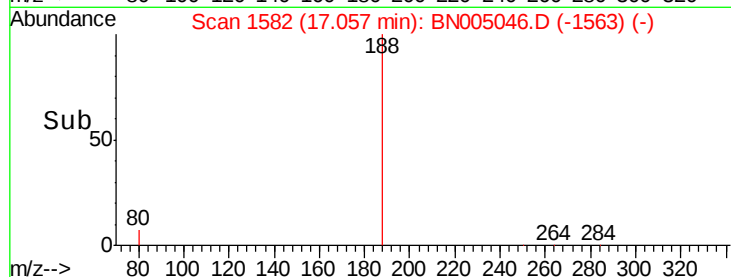
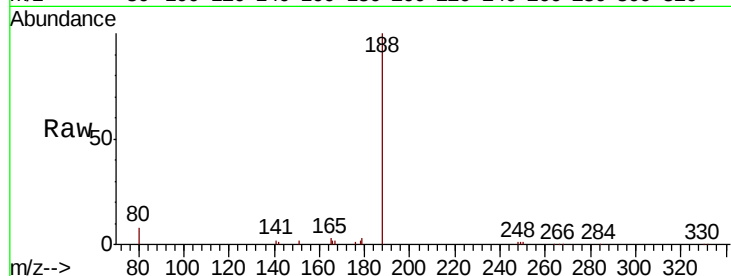
Tgt Ion:188 Resp: 17828

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.9 6.9 10.3



#22

Pentachlorophenol

Concen: 0.104 ng

RT: 16.74 min Scan# 1552

Delta R.T. -0.00 min

Lab File: BN005046.D

Acq: 01 Apr 2019 13:56

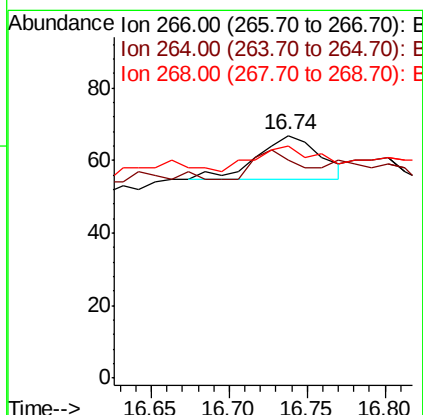
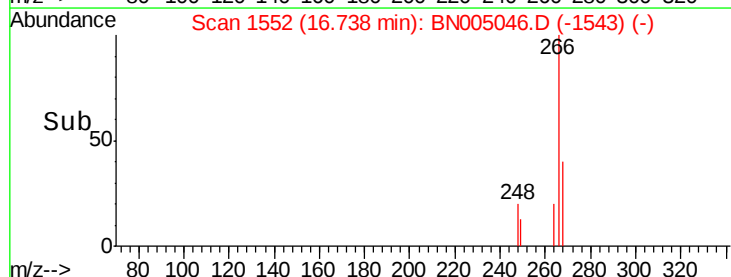
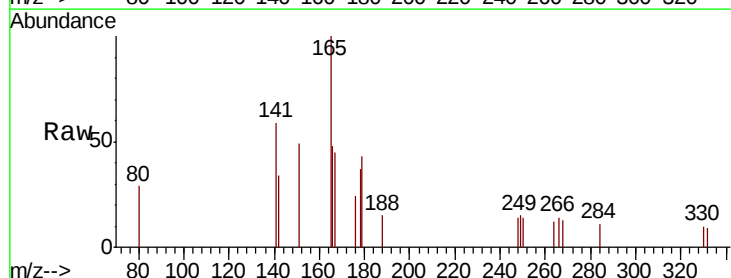
Tgt Ion:266 Resp: 33

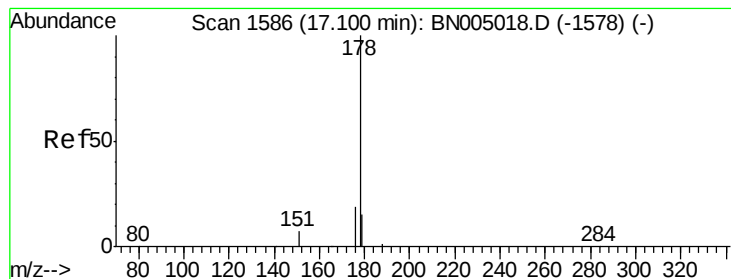
Ion Ratio Lower Upper

266 100

264 89.6 53.4 80.0#

268 95.5 58.9 88.3#





#23

Phenanthrene

Concen: 0.416 ng

RT: 17.10 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BN005046.D

Acq: 01 Apr 2019 13:56

Instrument :

BNA_N

ClientSampleId :

SP-1RE

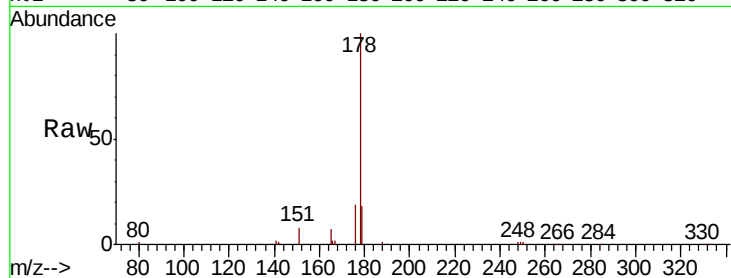
Tgt Ion:178 Resp: 20746

Ion Ratio Lower Upper

178 100

176 18.1 15.1 22.7

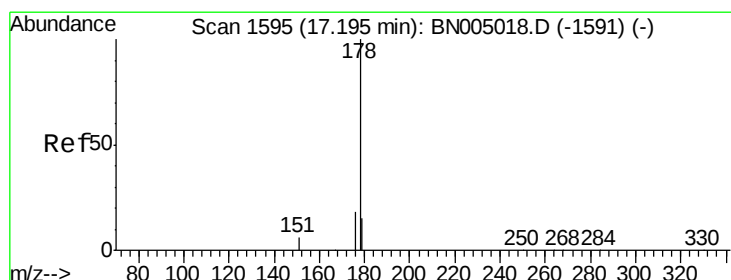
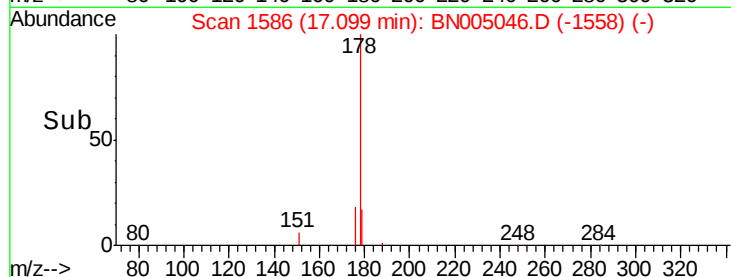
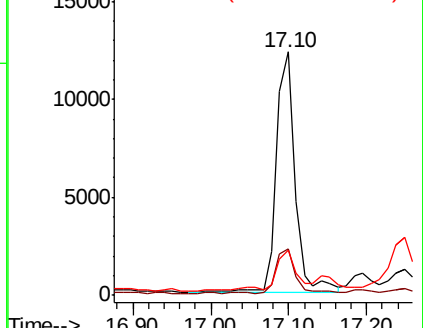
179 16.4 12.2 18.2



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: 0.028 ng

RT: 17.19 min Scan# 1595

Delta R.T. -0.00 min

Lab File: BN005046.D

Acq: 01 Apr 2019 13:56

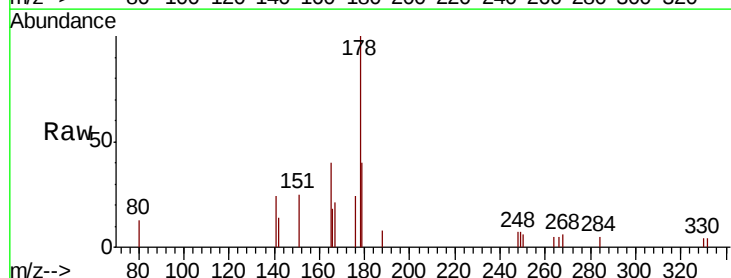
Tgt Ion:178 Resp: 1249

Ion Ratio Lower Upper

178 100

176 16.3 14.6 22.0

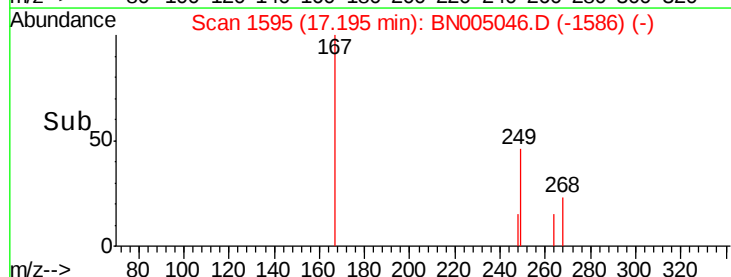
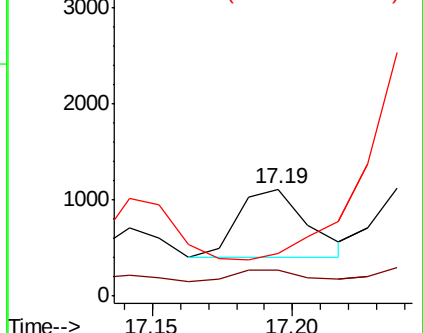
179 0.0 12.3 18.5#

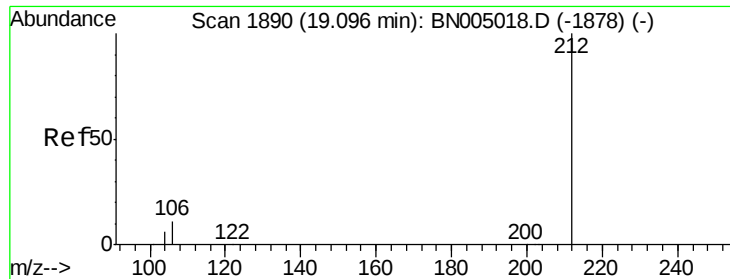


Abundance Ion 178.00 (177.70 to 178.70): E

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: BN005046.D

Acq: 01 Apr 2019 13:56

Instrument :

BNA_N

ClientSampleId :

SP-1RE

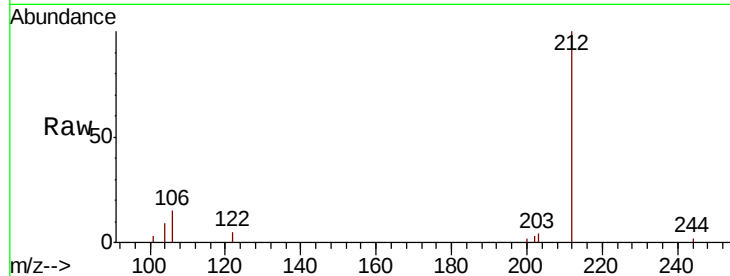
Tgt Ion:212 Resp: 4390

Ion Ratio Lower Upper

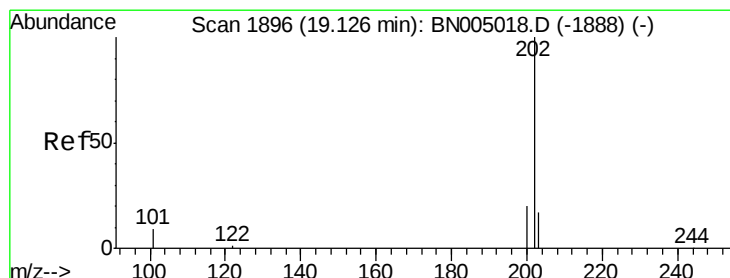
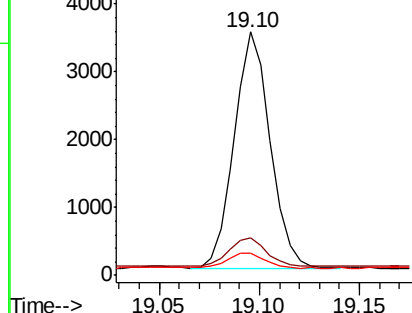
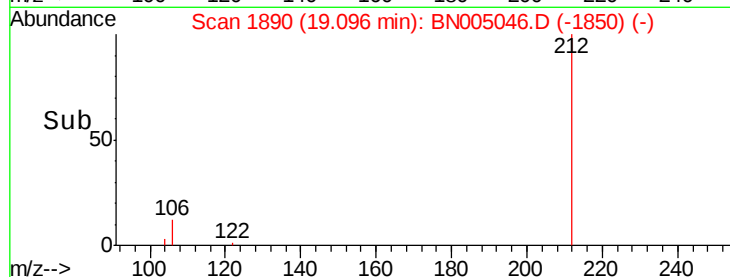
212 100

106 12.7 9.4 14.2

104 6.9 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: 0.058 ng

RT: 19.13 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BN005046.D

Acq: 01 Apr 2019 13:56

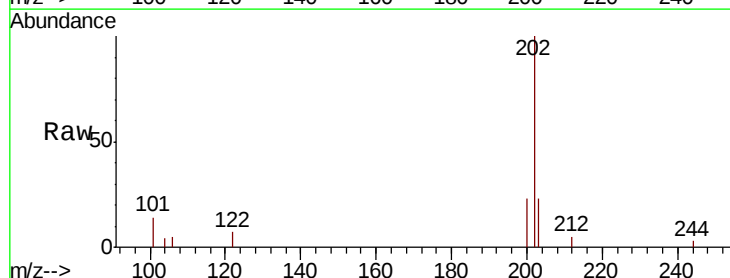
Tgt Ion:202 Resp: 3574

Ion Ratio Lower Upper

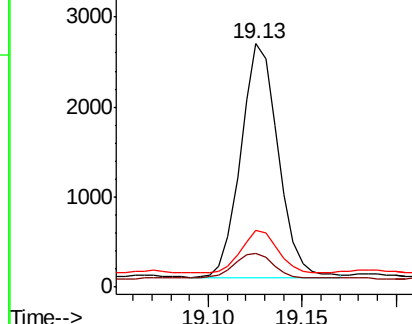
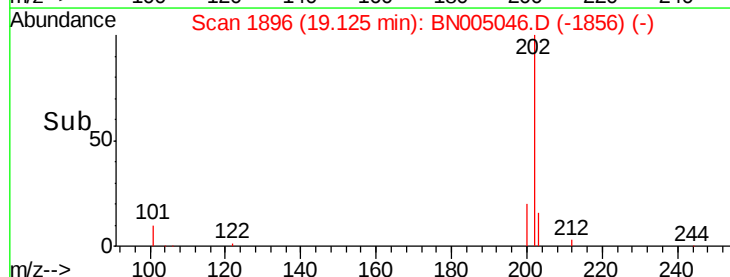
202 100

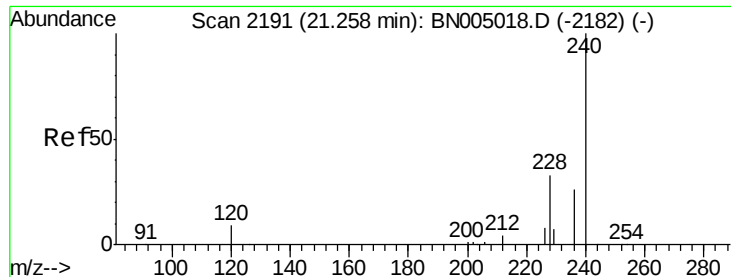
101 12.2 8.2 12.2

203 18.0 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: 21.27 min Scan# 2192

Delta R.T. 0.01 min

Lab File: BN005046.D

Acq: 01 Apr 2019 13:56

Instrument :

BNA_N

ClientSampleId :

SP-1RE

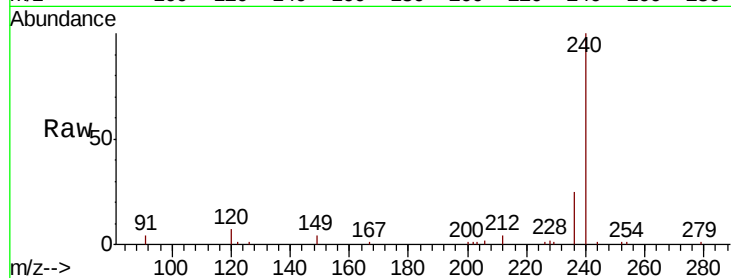
Tgt Ion:240 Resp: 19414

Ion Ratio Lower Upper

240 100

120 6.7 7.4 11.0#

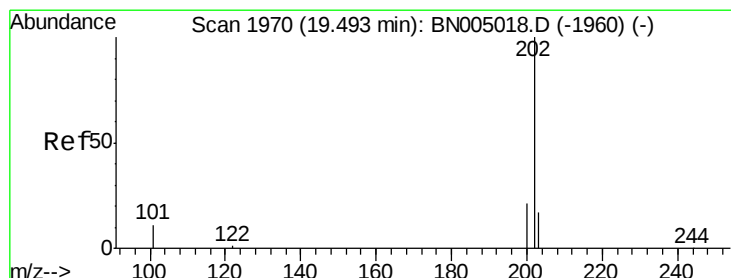
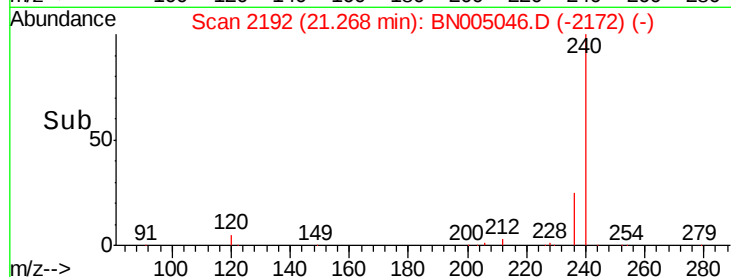
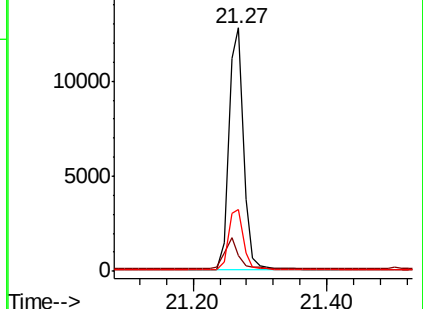
236 25.5 21.0 31.6



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



#28

Pyrene

Concen: 0.075 ng

RT: 19.49 min Scan# 1970

Delta R.T. -0.00 min

Lab File: BN005046.D

Acq: 01 Apr 2019 13:56

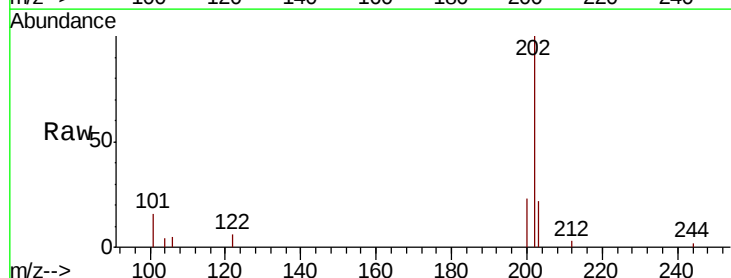
Tgt Ion:202 Resp: 4117

Ion Ratio Lower Upper

202 100

200 20.7 16.5 24.7

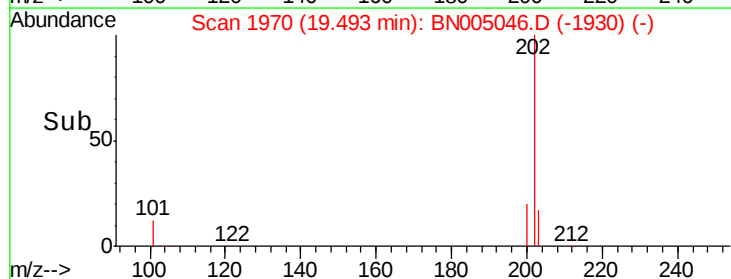
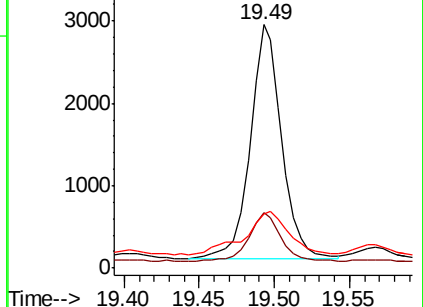
203 25.8 13.9 20.9#

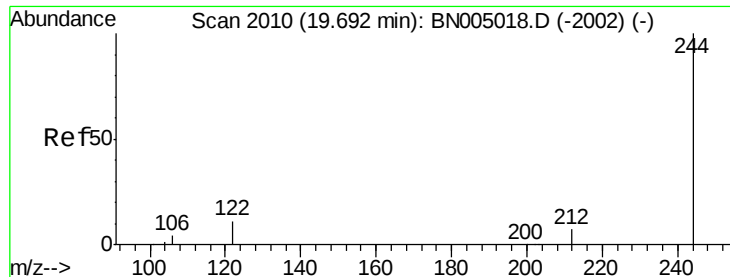


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.144 ng

RT: 19.70 min Scan# 2011

Delta R.T. 0.00 min

Lab File: BN005046.D

Acq: 01 Apr 2019 13:56

Instrument :

BNA_N

ClientSampleId :

SP-1RE

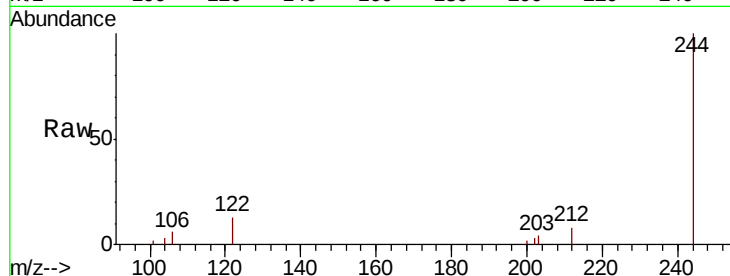
Tgt Ion:244 Resp: 5725

Ion Ratio Lower Upper

244 100

212 8.0 5.9 8.9

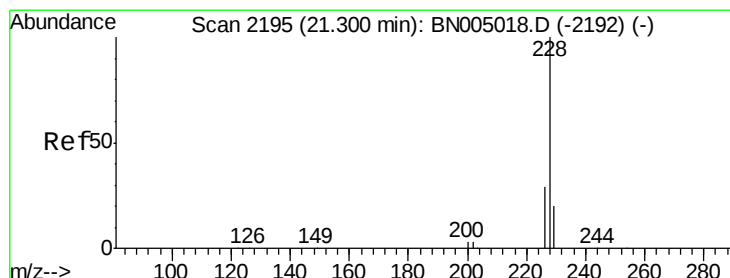
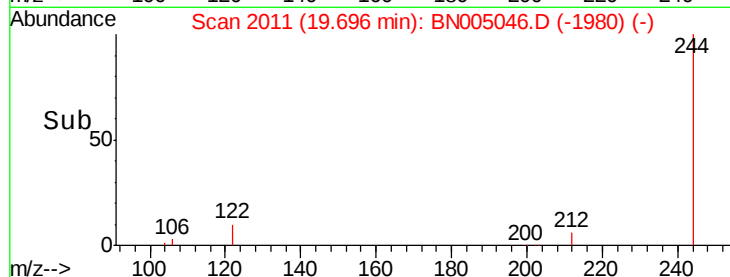
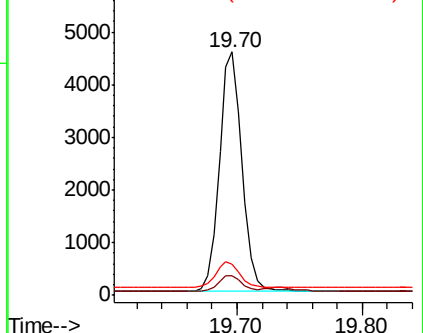
122 13.0 9.0 13.4



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



#31

Chrysene

Concen: 0.023 ng

RT: 21.30 min Scan# 2195

Delta R.T. -0.00 min

Lab File: BN005046.D

Acq: 01 Apr 2019 13:56

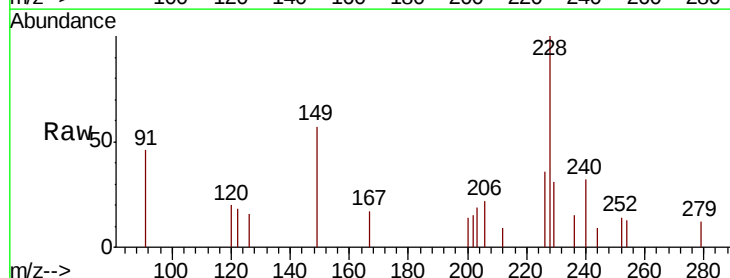
Tgt Ion:228 Resp: 1381

Ion Ratio Lower Upper

228 100

226 35.9 22.8 34.2#

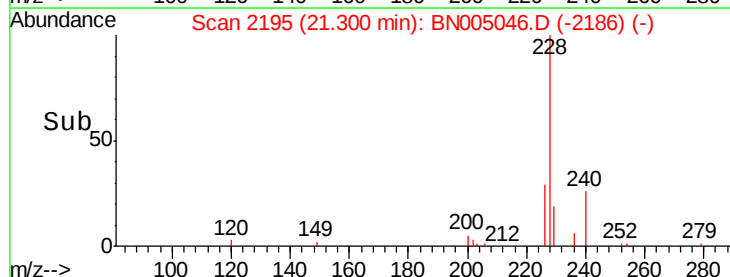
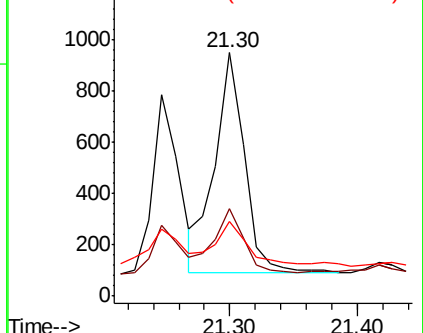
229 30.6 16.2 24.4#

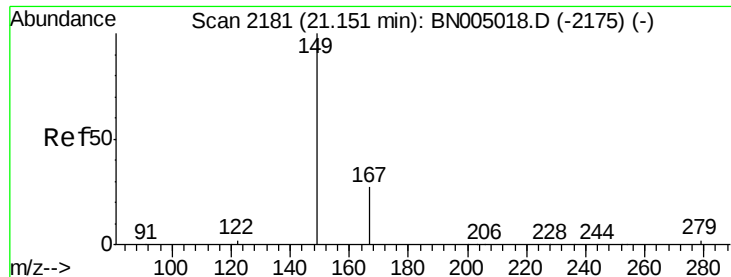


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.150 ng

RT: 21.16 min Scan# 2182

Delta R.T. 0.01 min

Lab File: BN005046.D

Acq: 01 Apr 2019 13:56

Instrument :

BNA_N

ClientSampleId :

SP-1RE

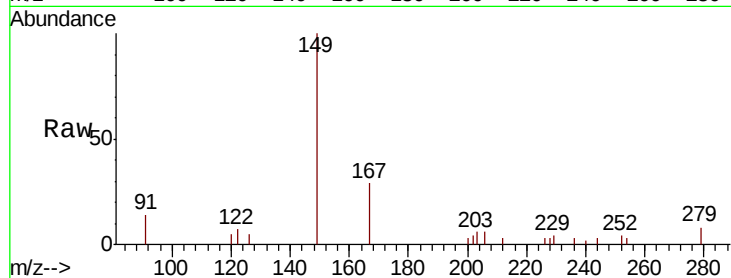
Tgt Ion:149 Resp: 3431

Ion Ratio Lower Upper

149 100

167 28.0 22.2 33.4

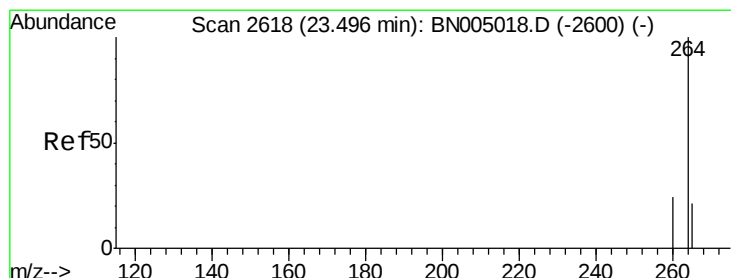
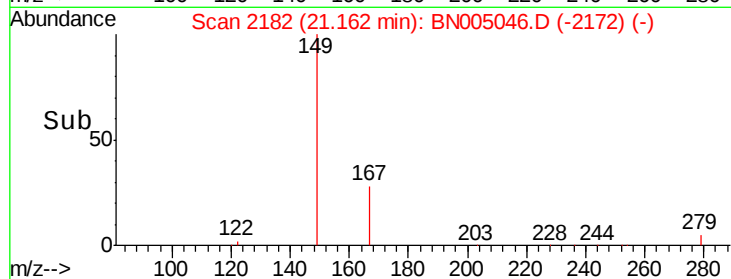
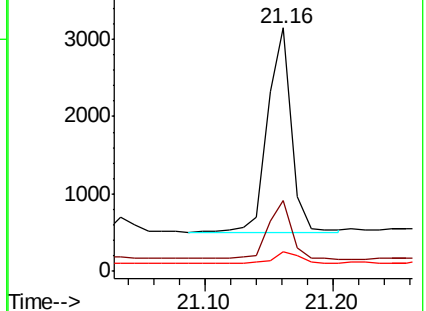
279 5.8 4.2 6.4



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

Perylene-d12

Concen: 0.400 ng

RT: 23.50 min Scan# 2620

Delta R.T. 0.01 min

Lab File: BN005046.D

Acq: 01 Apr 2019 13:56

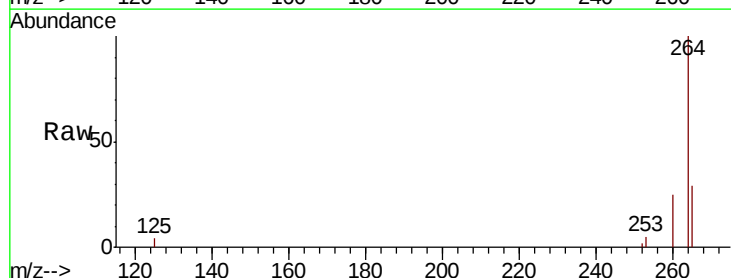
Tgt Ion:264 Resp: 17692

Ion Ratio Lower Upper

264 100

260 24.5 19.4 29.0

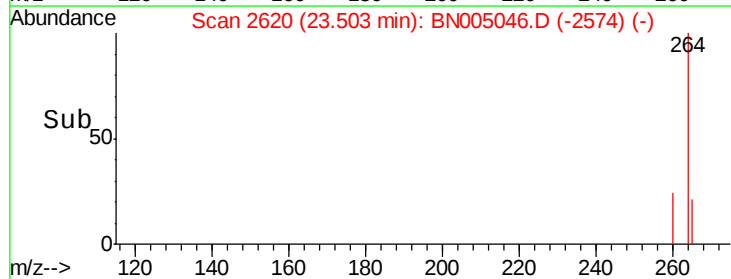
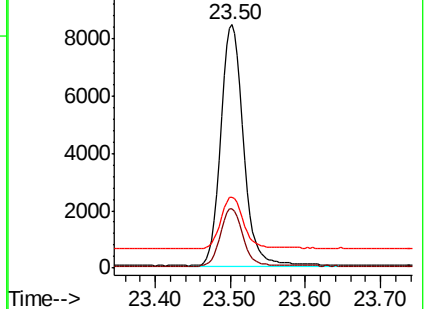
265 29.3 22.5 33.7

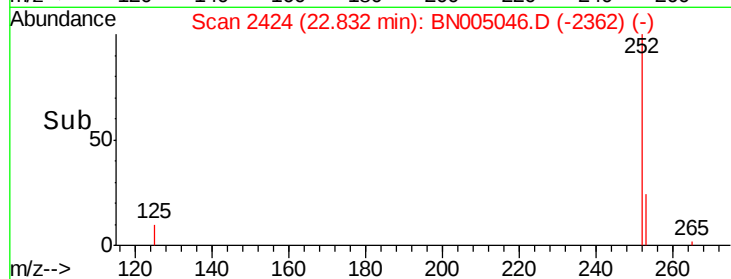
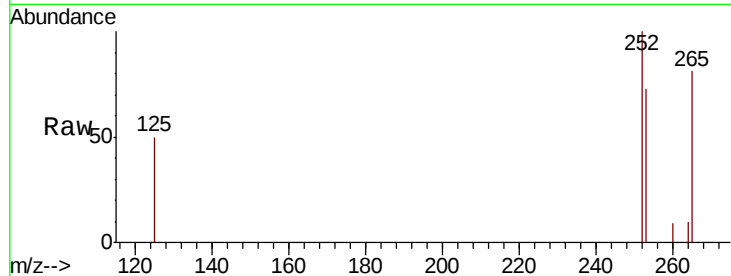
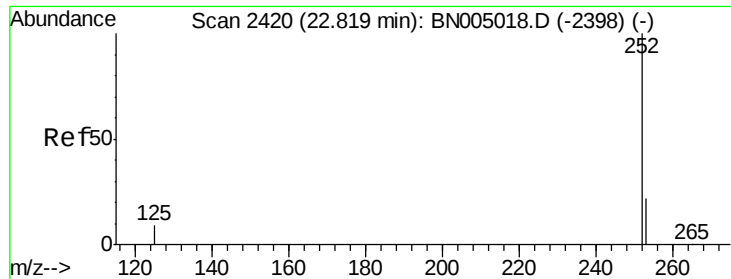


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.022 ng

RT: 22.83 min Scan# 2424

Delta R.T. 0.01 min

Lab File: BN005046.D

Acq: 01 Apr 2019 13:56

Instrument :

BNA_N

ClientSampleId :

SP-1RE

Tgt Ion: 252 Resp: 1229

Ion Ratio Lower Upper

252 100

253 72.6 19.2 28.8#

125 50.2 8.2 12.2#

