

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN040119\
 Data File : BN005043.D
 Acq On : 01 Apr 2019 11:48
 Operator : JU/SJ
 Sample : K2106-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 01 12:25:51 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	3067	0.40	ng	0.00
7) Naphthalene-d8	10.44	136	13084	0.40	ng	0.00
13) Acenaphthene-d10	14.30	164	7597	0.40	ng	0.00
19) Phenanthrene-d10	17.06	188	17702	0.40	ng	0.00
27) Chrysene-d12	21.27	240	18798	0.40	ng	0.01
34) Perylene-d12	23.50	264	17061	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.25	112	1610	0.21	ng	0.00
5) Phenol-d6	6.84	99	1570	0.17	ng	0.00
8) Nitrobenzene-d5	8.83	82	2945	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.04	152	7861	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.81	330	1943	0.46	ng	0.00
15) 2-Fluorobiphenyl	12.92	172	17473	0.61	ng	0.00
25) Fluoranthene-d10	19.10	212	20649	0.41	ng	0.00
29) Terphenyl-d14	19.69	244	23611	0.61	ng	0.00

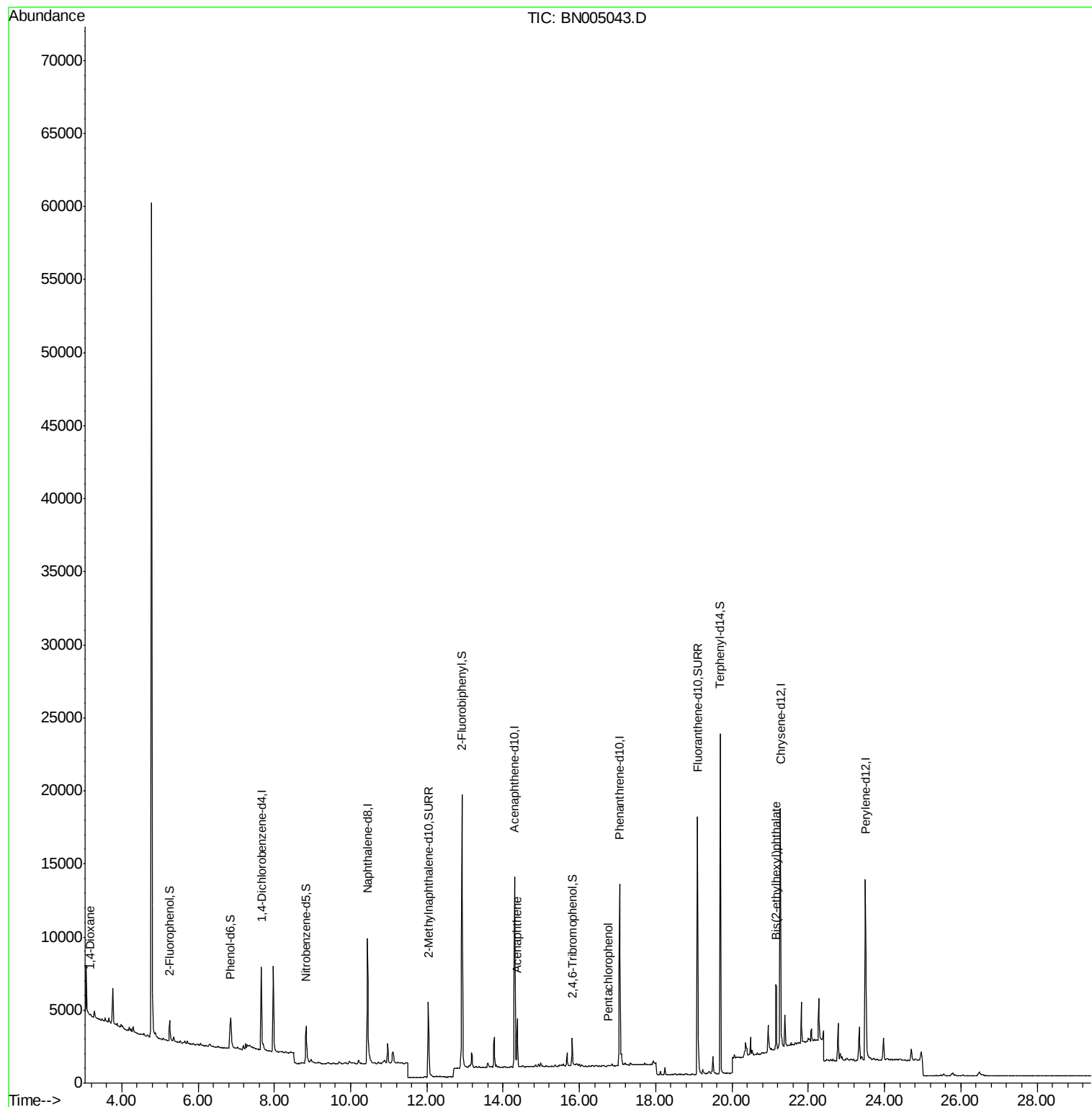
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.18	88	81	0.025	ng	# 1
17) Acenaphthene	14.37	154	1672	0.073	ng	99
22) Pentachlorophenol	16.75	266	34	0.105	ng	# 69
32) Bis(2-ethylhexyl)phthalate	21.15	149	4874	0.220	ng	99

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

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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: BN005043.D

Acq: 01 Apr 2019 11:48

Instrument :

BNA_N

ClientSampleId :

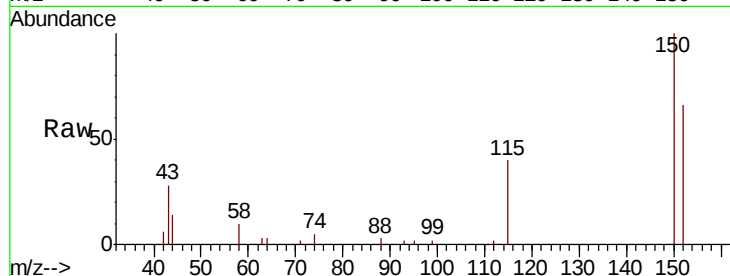
Tot Ion:152 Resp: 3067

Ion Ratio Lower Upper

152 100

150 150.6 123.4 185.2

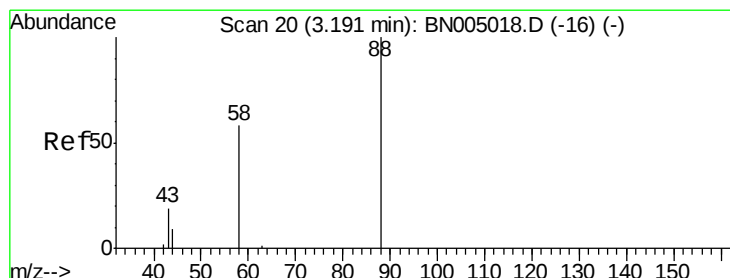
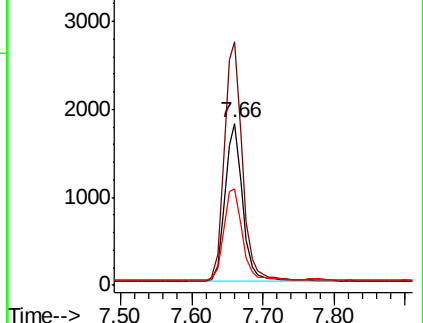
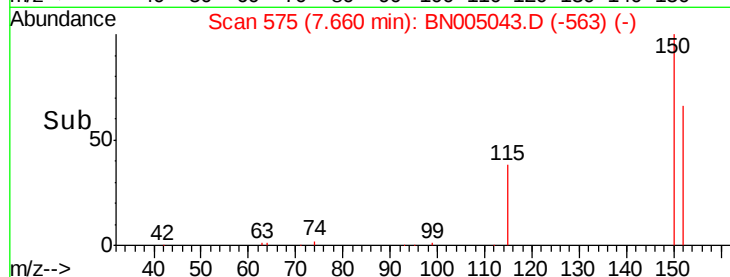
115 60.0 50.0 75.0



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: 0.025 ng

RT: 3.18 min Scan# 19

Delta R.T. -0.01 min

Lab File: BN005043.D

Acq: 01 Apr 2019 11:48

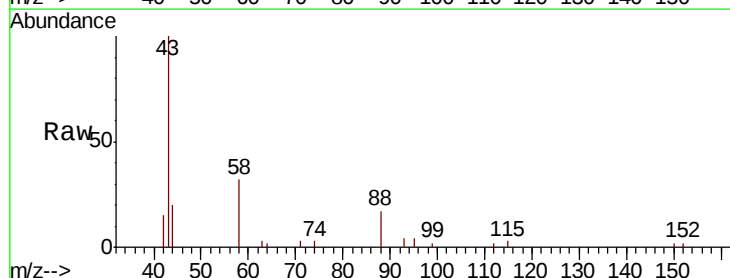
Tgt Ion: 88 Resp: 81

Ion Ratio Lower Upper

88 100

58 0.0 52.8 79.2#

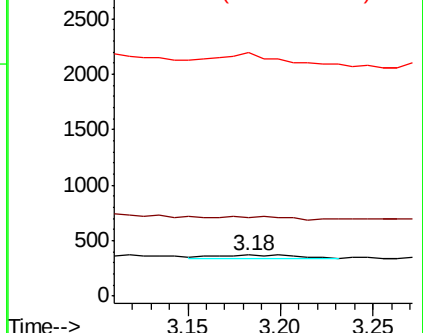
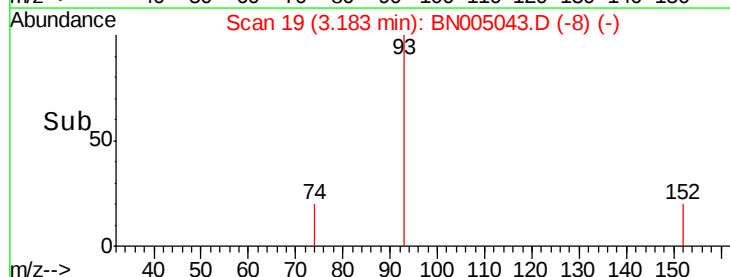
43 476.5 19.6 29.4#

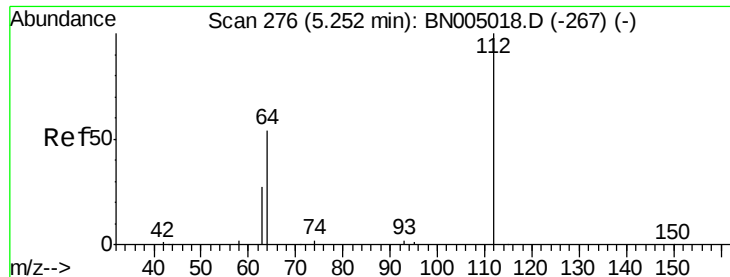


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#4

2-Fluorophenol

Concen: 0.210 ng

RT: 5.25 min Scan# 276

Delta R.T. 0.00 min

Lab File: BN005043.D

Acq: 01 Apr 2019 11:48

Instrument :

BNA_N

ClientSampleId :

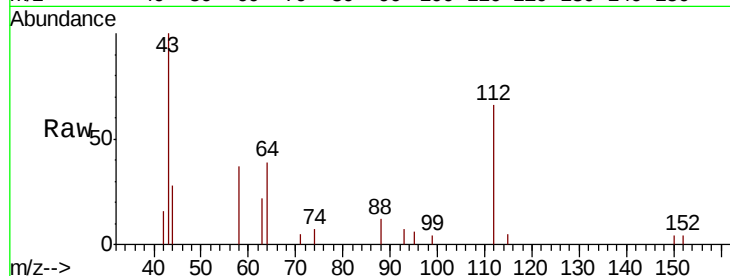
Tot Ion: 112 Resp: 1610

Ion Ratio Lower Upper

112 100

64 51.6 41.9 62.9

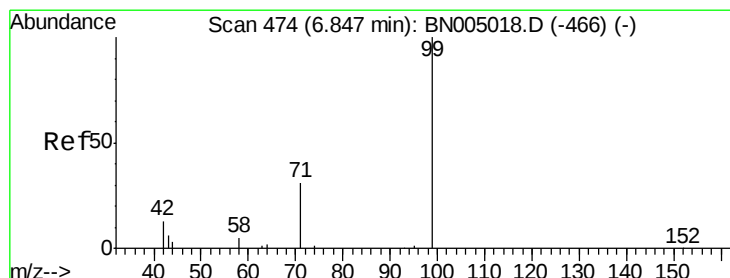
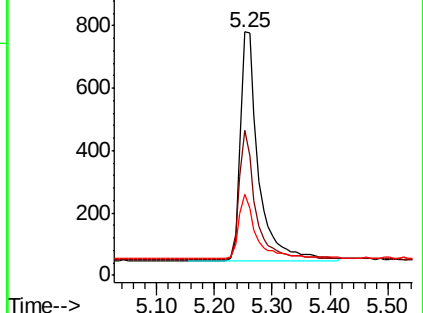
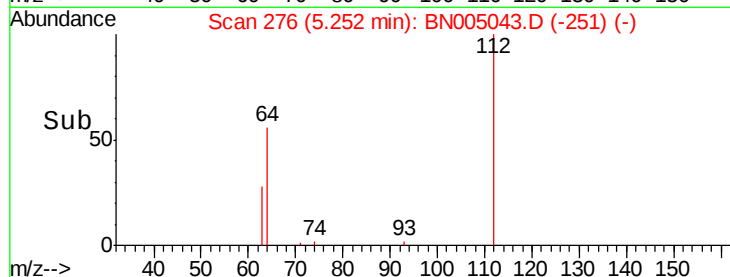
63 27.2 21.5 32.3



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: 0.173 ng

RT: 6.84 min Scan# 473

Delta R.T. -0.01 min

Lab File: BN005043.D

Acq: 01 Apr 2019 11:48

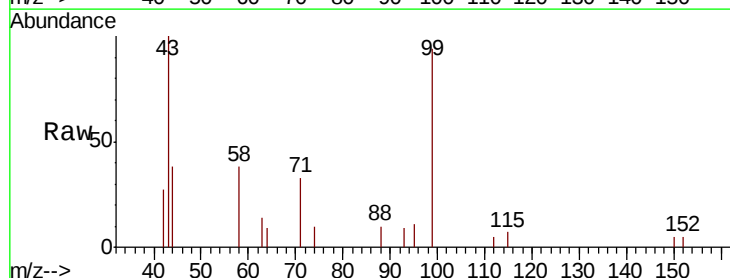
Tgt Ion: 99 Resp: 1570

Ion Ratio Lower Upper

99 100

42 23.2 12.2 18.2#

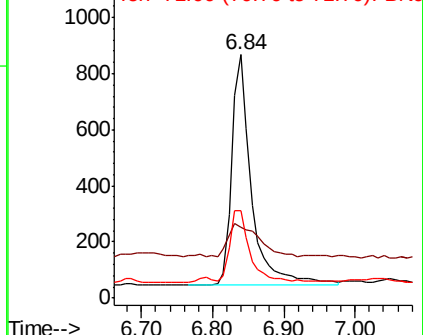
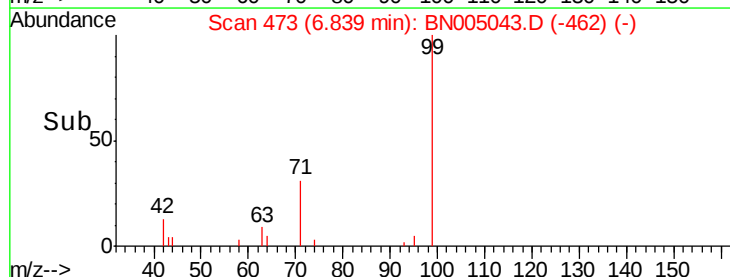
71 30.8 26.1 39.1

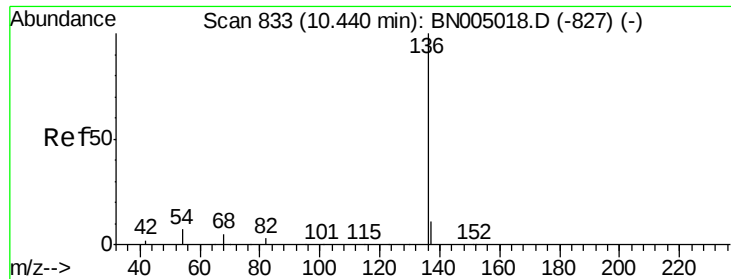


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.44 min Scan# 833

Delta R.T. 0.00 min

Lab File: BN005043.D

Acq: 01 Apr 2019 11:48

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 13084

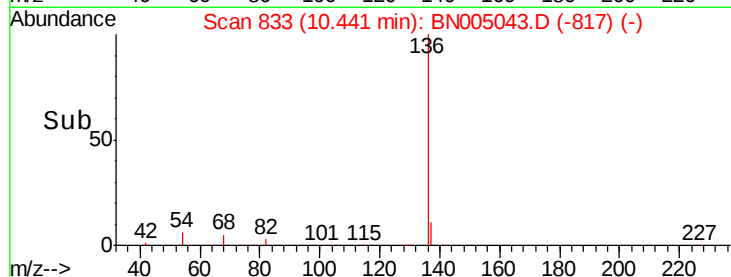
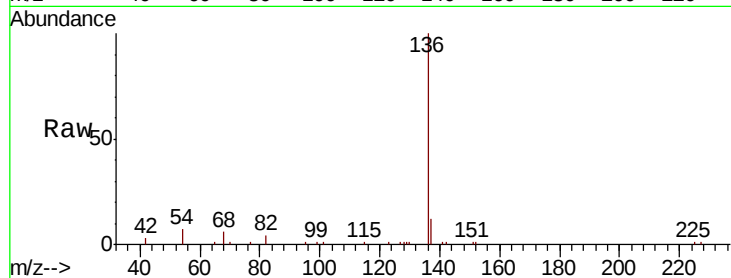
Ion Ratio Lower Upper

136 100

137 11.8 9.2 13.8

54 6.8 6.0 9.0

68 5.8 5.0 7.6

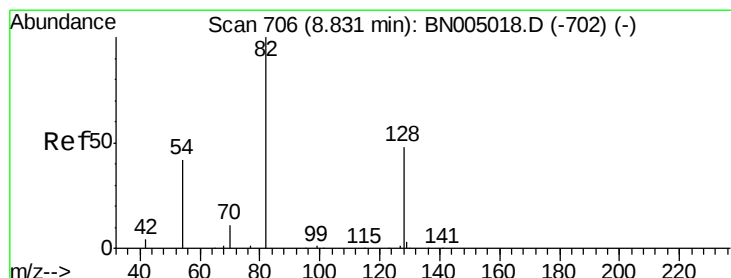
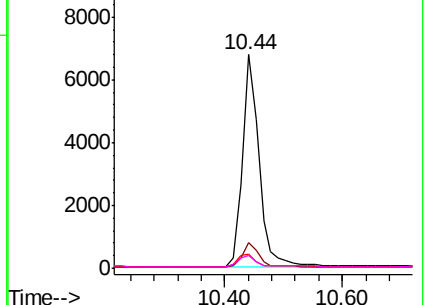


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.388 ng

RT: 8.83 min Scan# 706

Delta R.T. 0.00 min

Lab File: BN005043.D

Acq: 01 Apr 2019 11:48

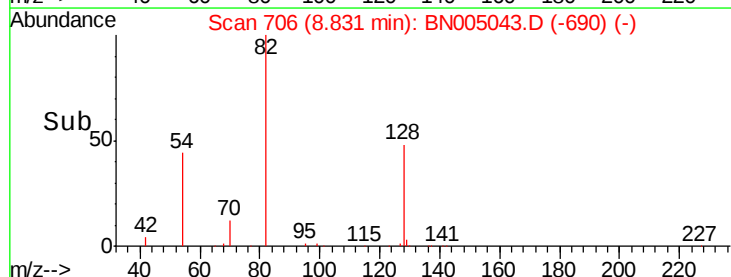
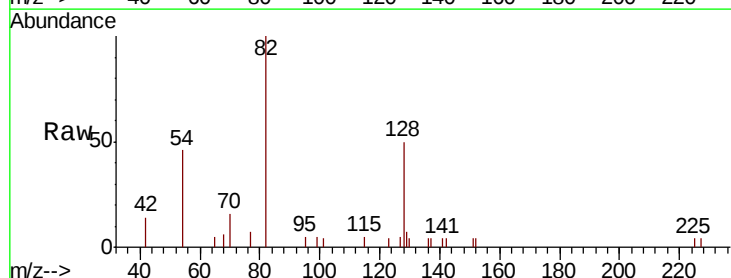
Tgt Ion: 82 Resp: 2945

Ion Ratio Lower Upper

82 100

128 49.5 40.5 60.7

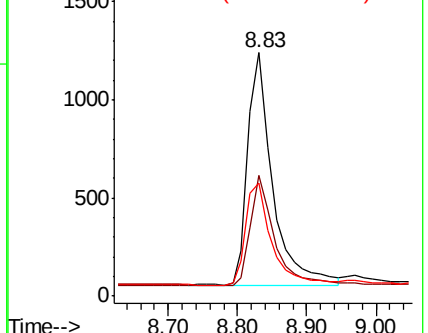
54 46.4 35.7 53.5

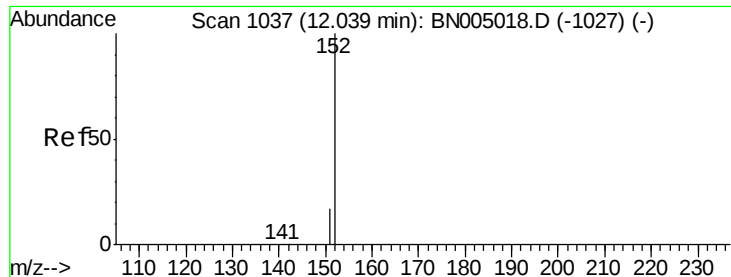


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

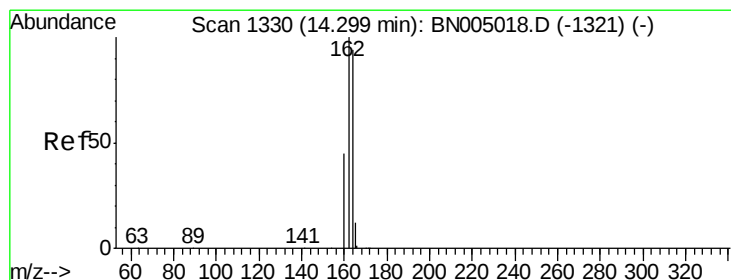
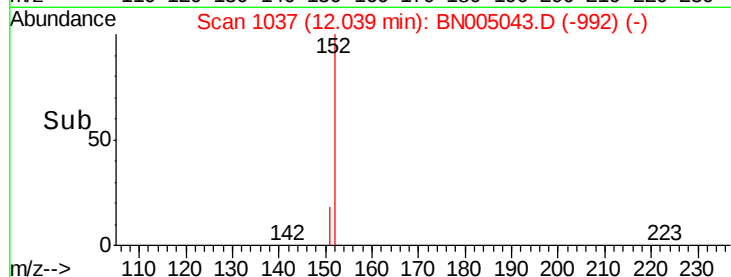
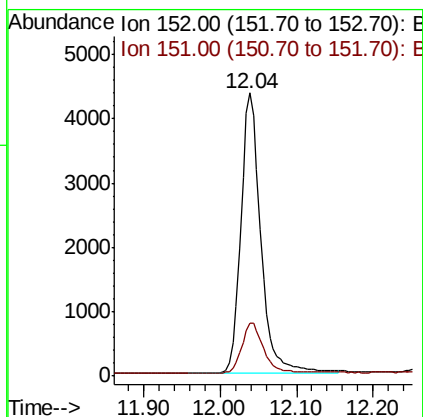
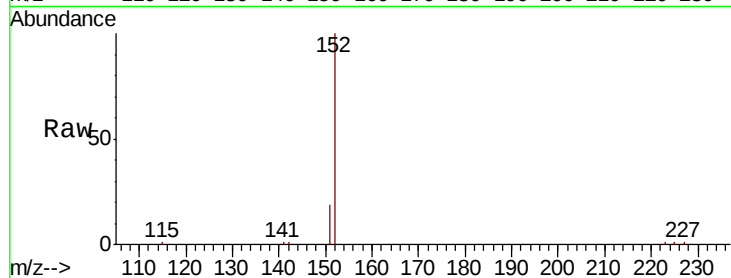




#11
2-Methylnaphthalene-d10
Concen: 0.388 ng
RT: 12.04 min Scan# 1037
Delta R.T. 0.00 min
Lab File: BN005043.D
Acq: 01 Apr 2019 11:48

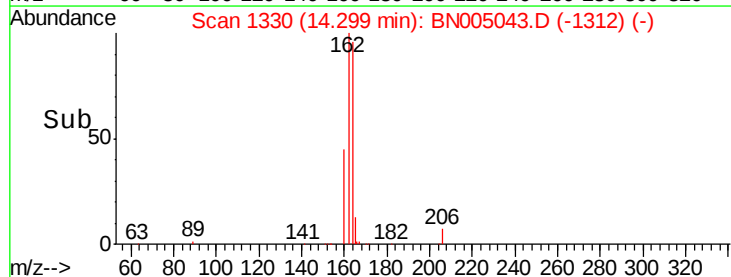
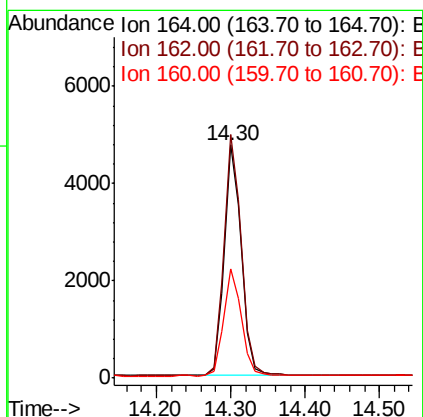
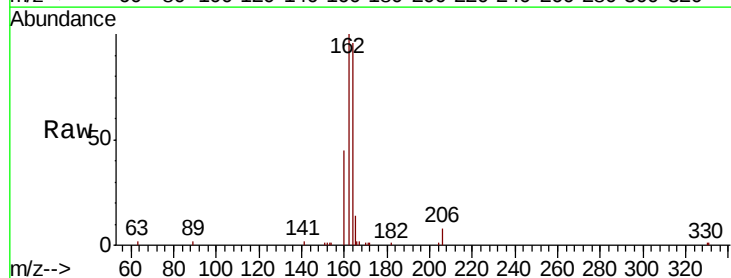
Instrument :
BNA_N
ClientSampleId :

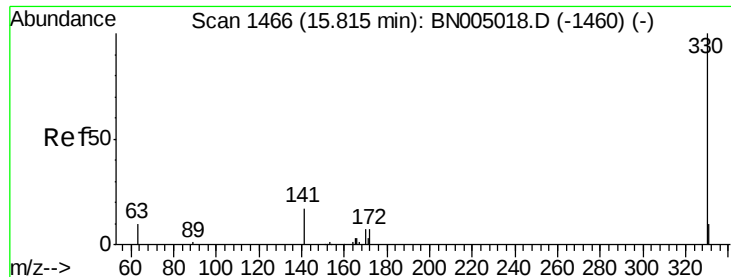
Tot Ion:152 Resp: 7861
Ion Ratio Lower Upper
152 100
151 19.5 15.3 22.9



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.30 min Scan# 1330
Delta R.T. 0.00 min
Lab File: BN005043.D
Acq: 01 Apr 2019 11:48

Tgt Ion:164 Resp: 7597
Ion Ratio Lower Upper
164 100
162 104.5 85.3 127.9
160 47.1 39.2 58.8





#14

2,4,6-Tribromophenol

Concen: 0.456 ng

RT: 15.81 min Scan# 1466

Delta R.T. 0.00 min

Lab File: BN005043.D

Acq: 01 Apr 2019 11:48

Instrument :

BNA_N

ClientSampled :

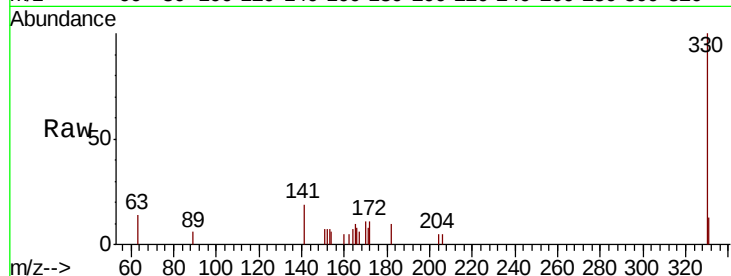
Tot Ion:330 Resp: 1943

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

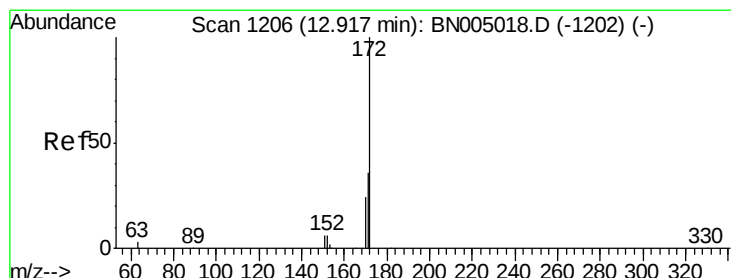
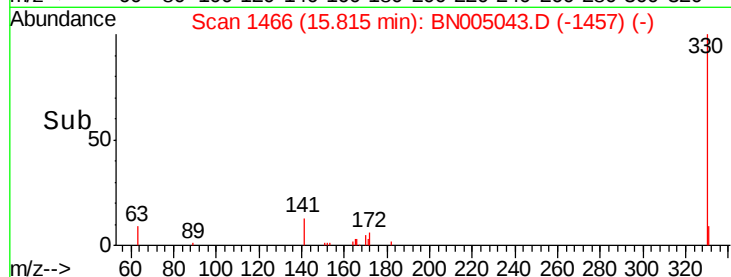
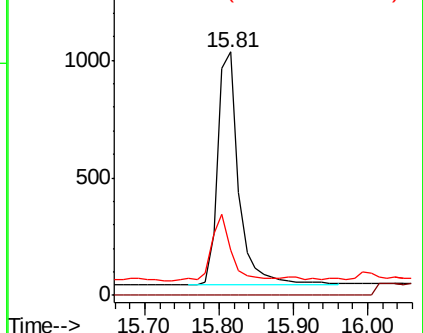
141 26.6 21.3 31.9



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: 0.609 ng

RT: 12.92 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BN005043.D

Acq: 01 Apr 2019 11:48

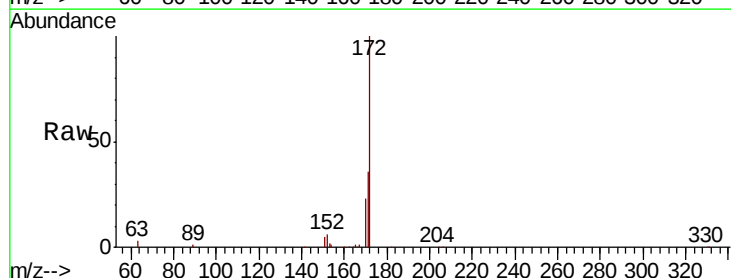
Tgt Ion:172 Resp: 17473

Ion Ratio Lower Upper

172 100

171 36.0 29.4 44.0

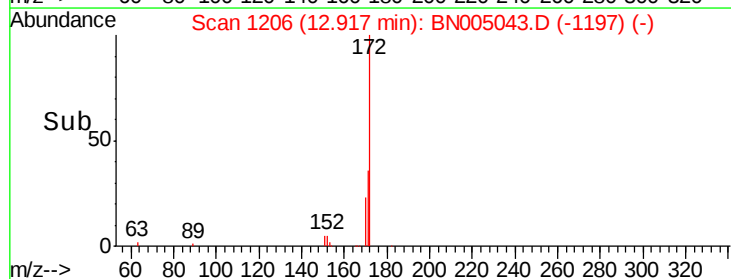
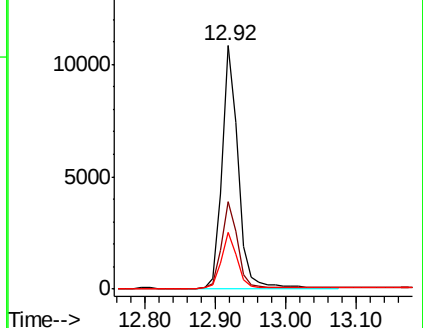
170 23.5 20.0 30.0

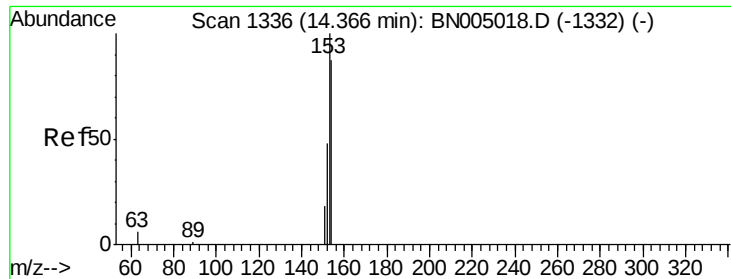


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#17

Acenaphthene

Concen: 0.073 ng

RT: 14.37 min Scan# 1336

Delta R.T. 0.00 min

Lab File: BN005043.D

Acq: 01 Apr 2019 11:48

Instrument :

BNA_N

ClientSampleId :

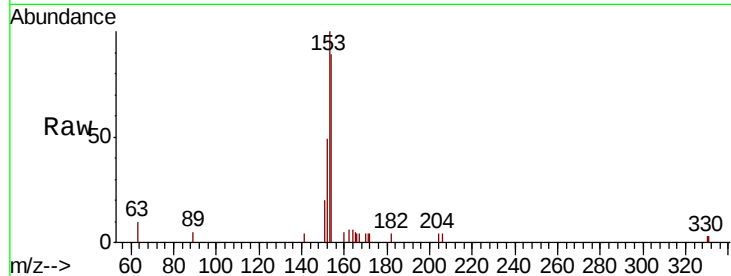
Tot Ion:154 Resp: 1672

Ion Ratio Lower Upper

154 100

153 114.5 92.1 138.1

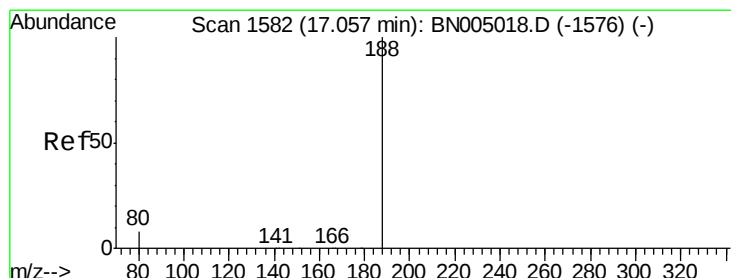
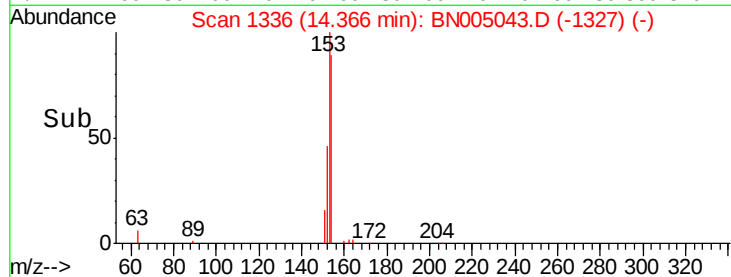
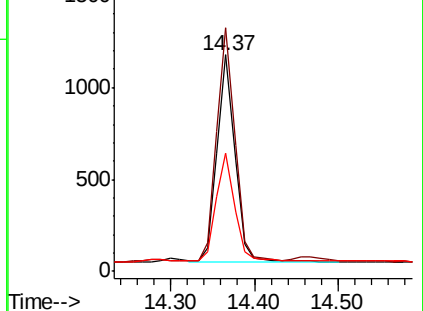
152 54.7 44.2 66.2



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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.06 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BN005043.D

Acq: 01 Apr 2019 11:48

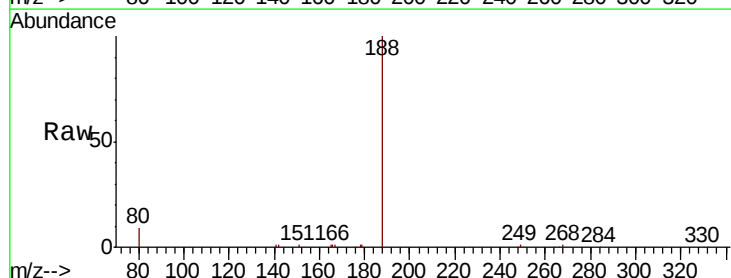
Tgt Ion:188 Resp: 17702

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

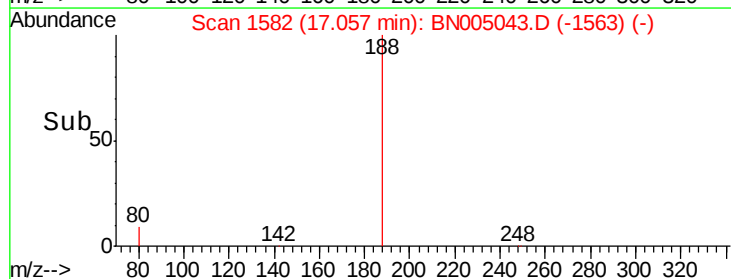
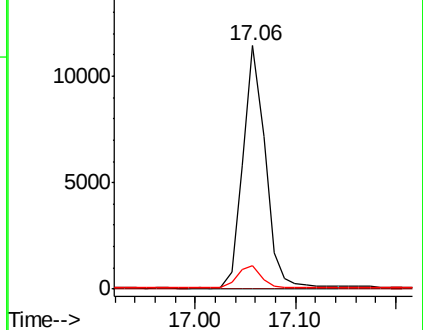
80 9.5 6.9 10.3

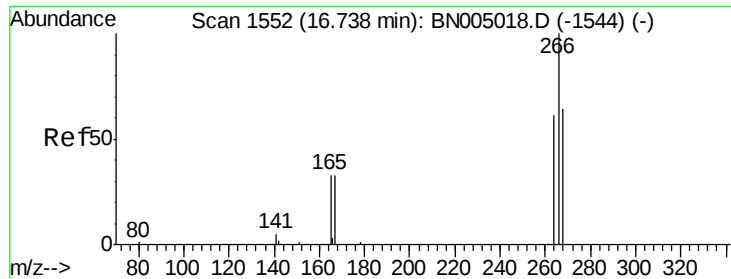


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC

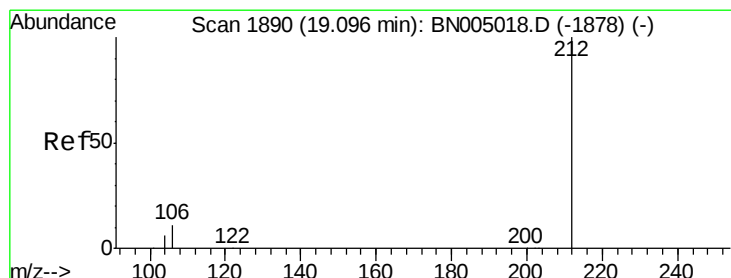
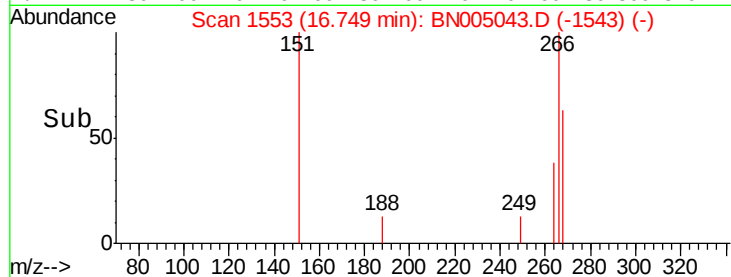
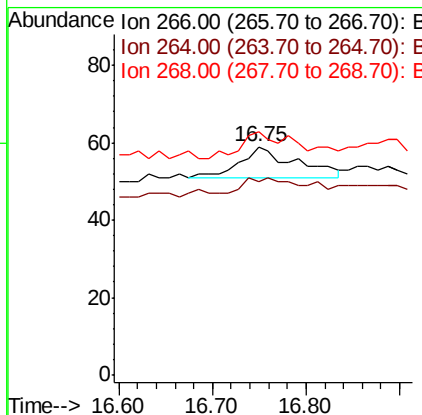
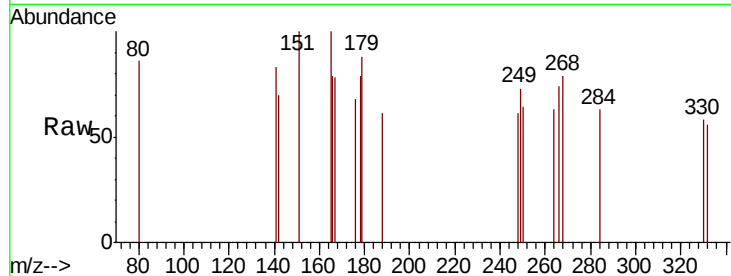




#22
 Pentachlorophenol
 Concen: 0.105 ng
 RT: 16.75 min Scan# 1553
 Delta R.T. 0.01 min
 Lab File: BN005043.D
 Acq: 01 Apr 2019 11:48

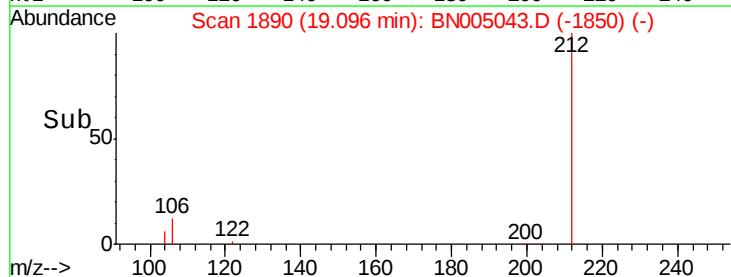
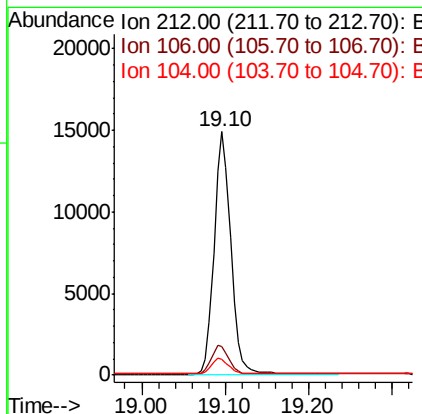
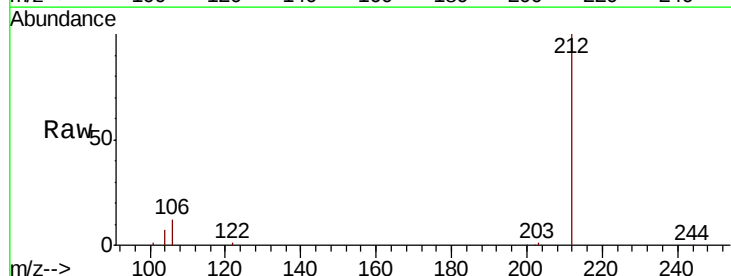
Instrument :
 BNA_N
 ClientSampleId :

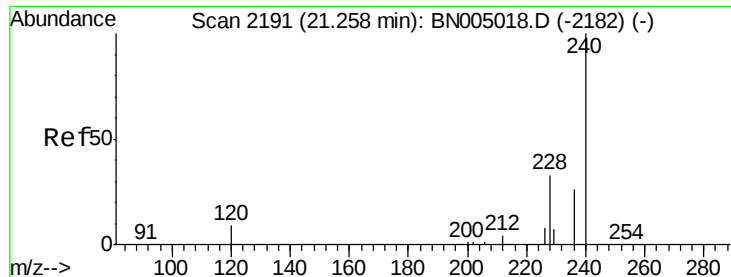
Tot Ion:266 Resp: 34
 Ion Ratio Lower Upper
 266 100
 264 84.7 53.4 80.0#
 268 106.8 58.9 88.3#



#25
 Fluoranthene-d10
 Concen: 0.409 ng
 RT: 19.10 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: BN005043.D
 Acq: 01 Apr 2019 11:48

Tgt Ion:212 Resp: 20649
 Ion Ratio Lower Upper
 212 100
 106 12.3 9.4 14.2
 104 6.7 5.4 8.0





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.27 min Scan# 2192

Delta R.T. 0.01 min

Lab File: BN005043.D

Acq: 01 Apr 2019 11:48

Instrument :

BNA_N

ClientSampleId :

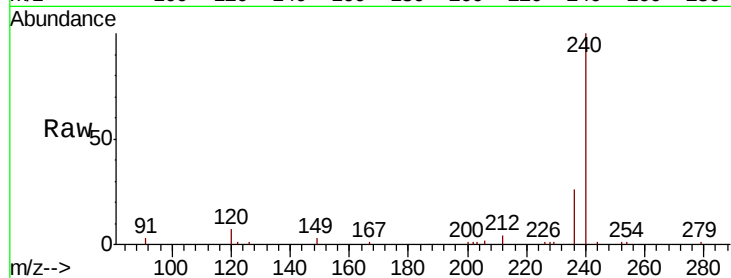
Tot Ion:240 Resp: 18798

Ion Ratio Lower Upper

240 100

120 6.6 7.4 11.0#

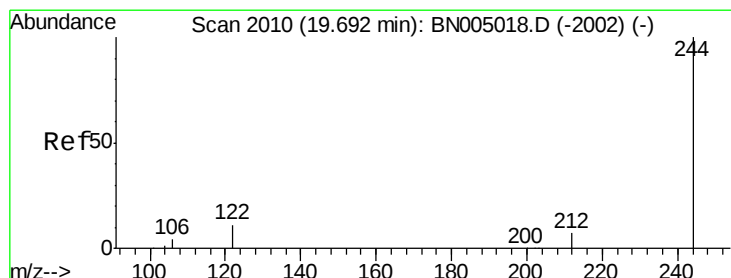
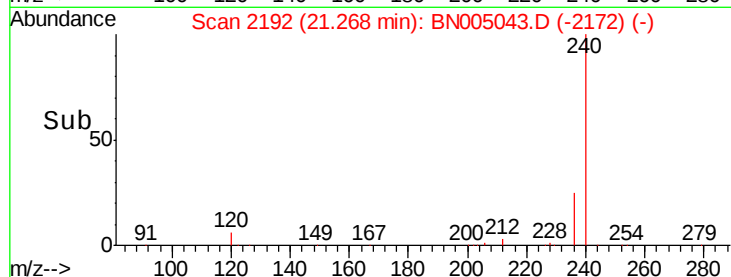
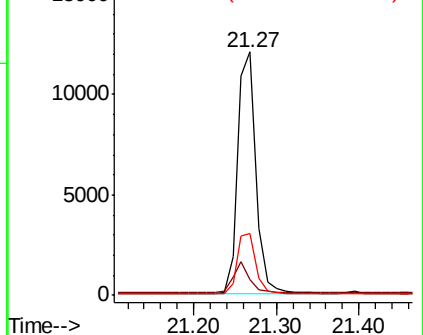
236 25.5 21.0 31.6



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



#29

Terphenyl-d14

Concen: 0.611 ng

RT: 19.69 min Scan# 2010

Delta R.T. 0.00 min

Lab File: BN005043.D

Acq: 01 Apr 2019 11:48

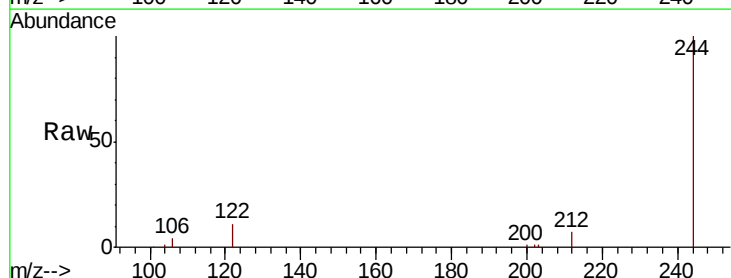
Tgt Ion:244 Resp: 23611

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

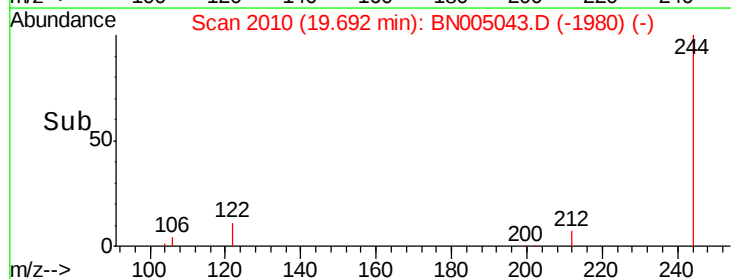
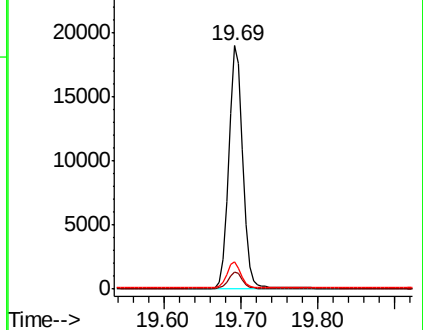
122 11.3 9.0 13.4

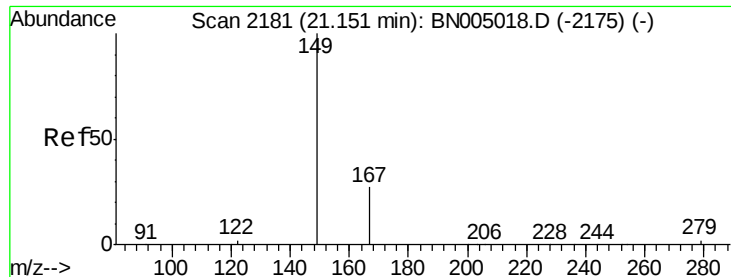


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.220 ng

RT: 21.15 min Scan# 2181

Delta R.T. 0.00 min

Lab File: BN005043.D

Acq: 01 Apr 2019 11:48

Instrument :

BNA_N

ClientSampleId :

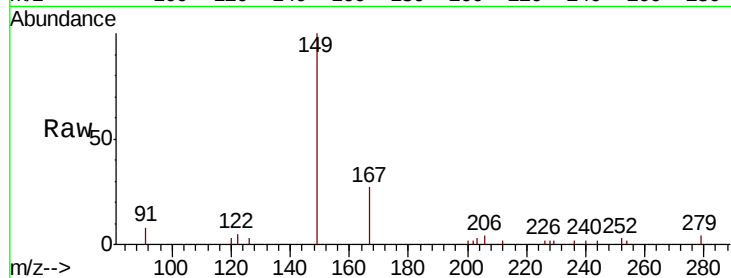
Tot Ion:149 Resp: 4874

Ion Ratio Lower Upper

149 100

167 27.0 22.2 33.4

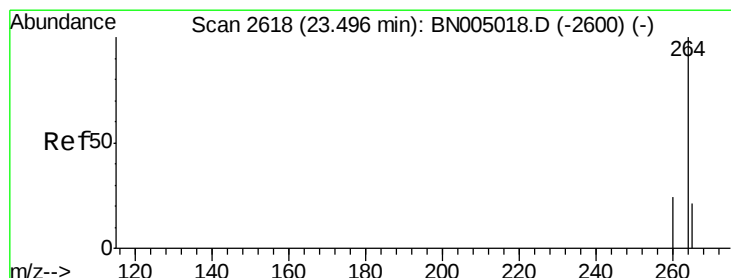
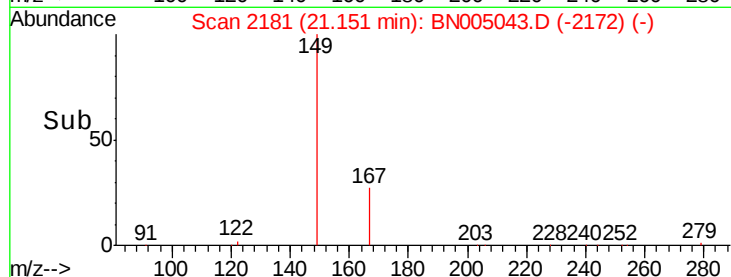
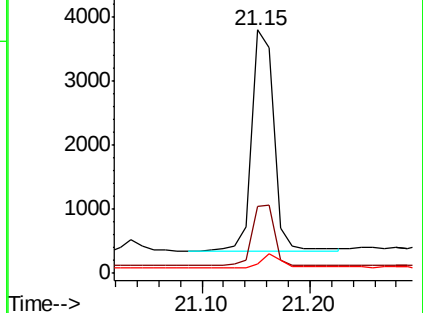
279 5.5 4.2 6.4



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# 2619

Delta R.T. 0.00 min

Lab File: BN005043.D

Acq: 01 Apr 2019 11:48

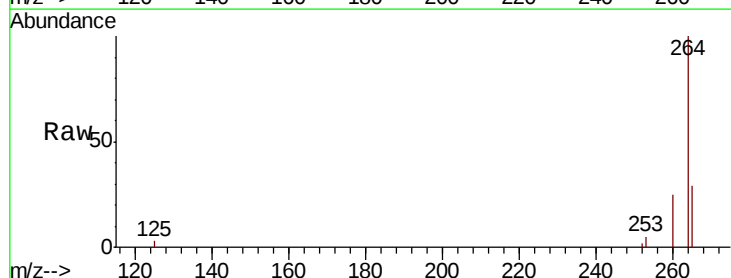
Tgt Ion:264 Resp: 17061

Ion Ratio Lower Upper

264 100

260 24.5 19.4 29.0

265 28.6 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

