

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN102918\
 Data File : BN003346.D
 Acq On : 29 Oct 2018 23:38
 Operator : MJ/SJ
 Sample : J5692-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SA-PZ143I-20181024

Quant Time: Oct 30 06:46:41 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN102618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 29 16:15:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	18801	0.40	ng	0.00
7) Naphthalene-d8	10.66	136	82767	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	50363	0.40	ng	-0.01
19) Phenanthrene-d10	17.24	188	118795	0.40	ng	0.00
27) Chrysene-d12	21.42	240	127465	0.40	ng	0.00
34) Perylene-d12	23.73	264	109155	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.42	112	7918	0.17	ng	0.00
5) Phenol-d6	7.01	99	5915	0.10	ng	0.00
8) Nitrobenzene-d5	9.02	82	15507	0.43	ng	0.00
11) 2-Methylnaphthalene-d10	12.24	152	42512	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	8581	0.43	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	71947	0.33	ng	-0.01
25) Fluoranthene-d10	19.26	212	106911	0.31	ng	0.00
29) Terphenyl-d14	19.86	244	113577	0.38	ng	0.00

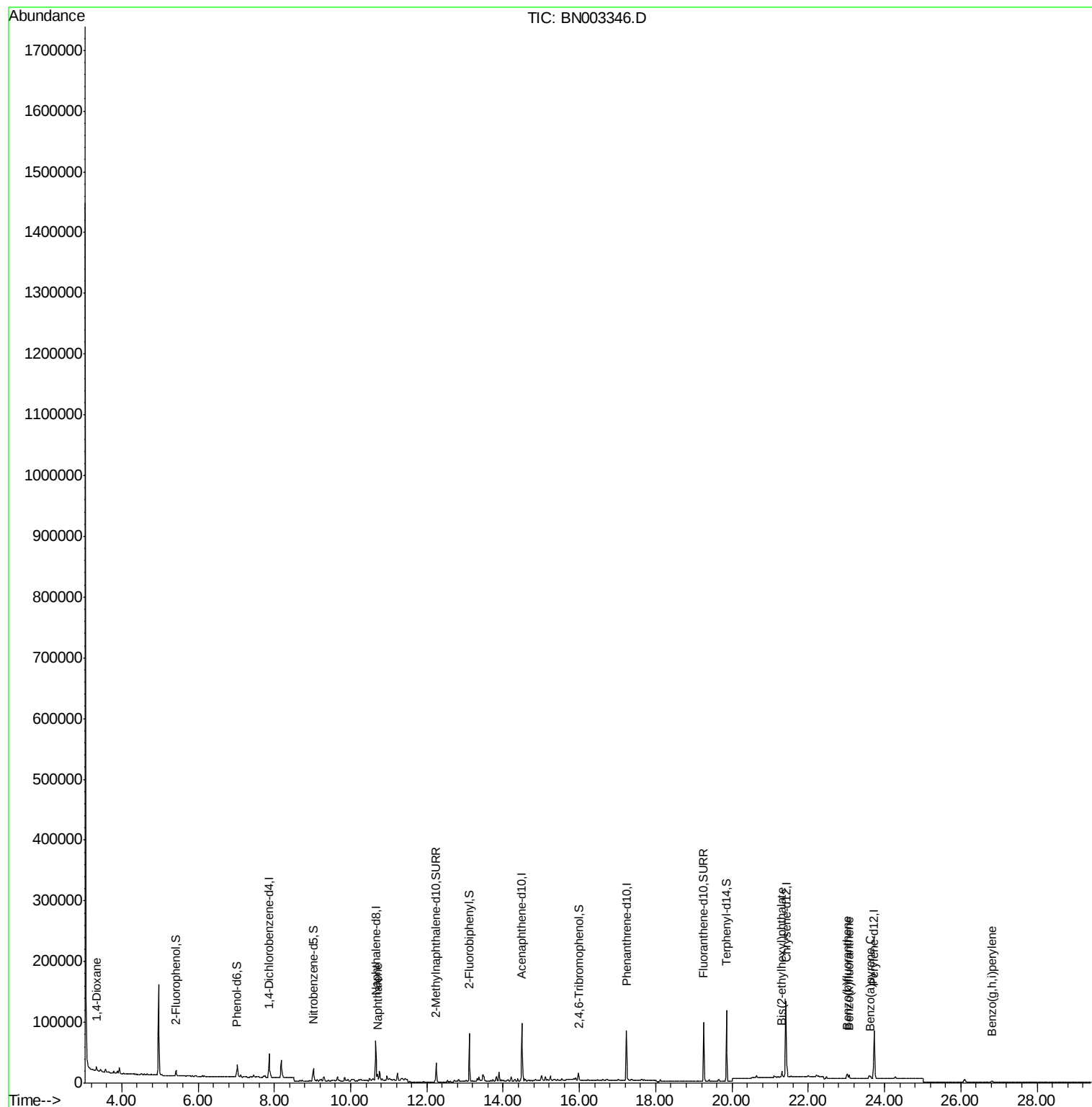
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	4974	0.204	ng	# 75
9) Naphthalene	10.71	128	4400	0.022	ng	# 20
32) Bis(2-ethylhexyl)phthalate	21.31	149	9139	0.092	ng	# 99
35) Benzo(b)fluoranthene	23.02	252	10380	0.030	ng	# 68
36) Benzo(k)fluoranthene	23.08	252	7304	0.022	ng	# 64
37) Benzo(a)pyrene	23.63	252	6558	0.021	ng	# 56
39) Benzo(g,h,i)perylene	26.81	276	6022	0.021	ng	# 89

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 600

Delta R.T. -0.01 min

Lab File: BN003346.D

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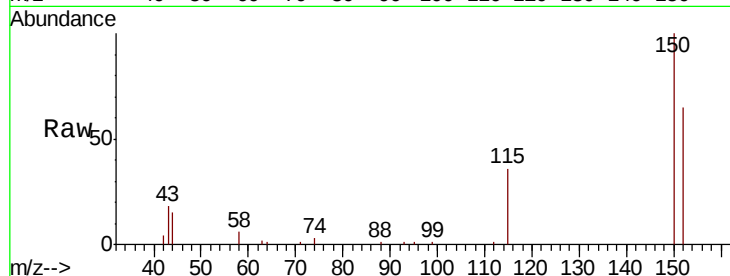
Tgt Ion:152 Resp: 18801

Ion Ratio Lower Upper

152 100

150 154.9 124.6 187.0

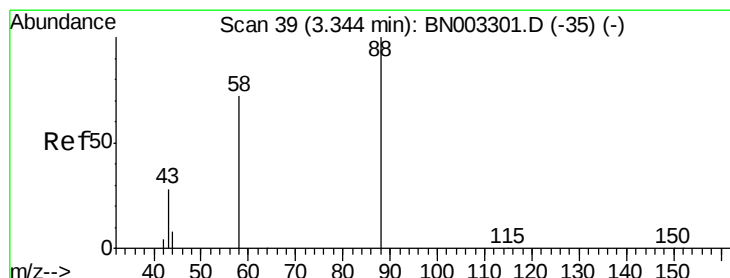
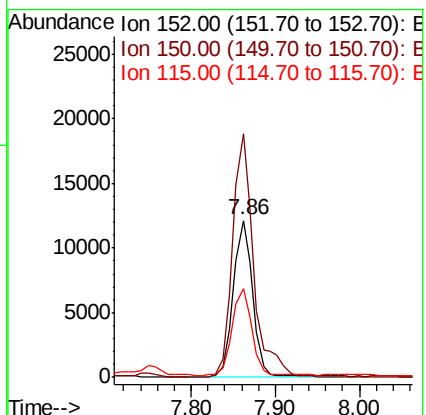
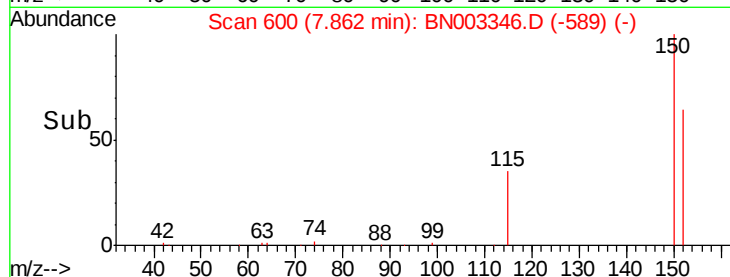
115 56.3 46.4 69.6



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: 0.204 ng

RT: 3.34 min Scan# 39

Delta R.T. 0.00 min

Lab File: BN003346.D

Acq: 29 Oct 2018 23:38

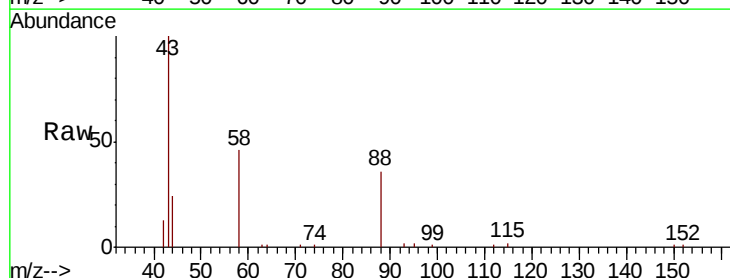
Tgt Ion: 88 Resp: 4974

Ion Ratio Lower Upper

88 100

58 82.3 60.9 91.3

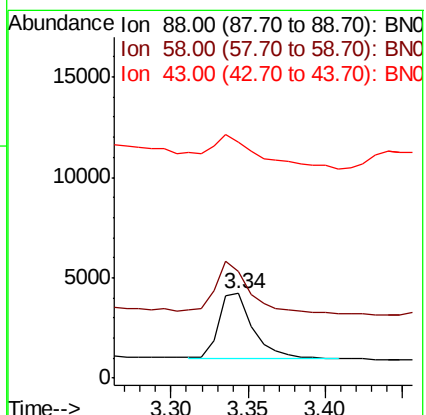
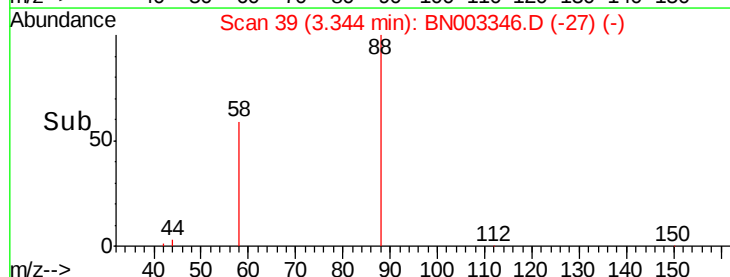
43 67.2 23.9 35.9#

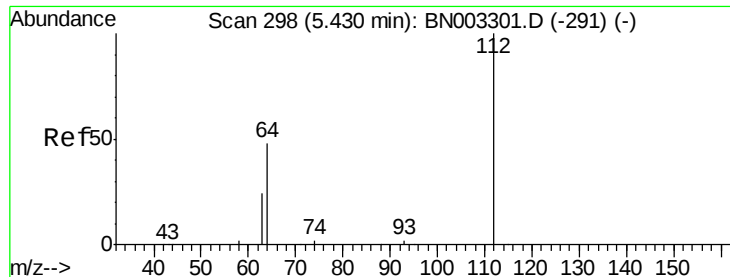


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#4

2-Fluorophenol

Concen: 0.170 ng

RT: 5.42 min Scan# 297

Delta R.T. -0.01 min

Lab File: BN003346.D

Acq: 29 Oct 2018 23:38

Instrument :

BNA_N

ClientSampleId :

SA-PZ143I-20181024

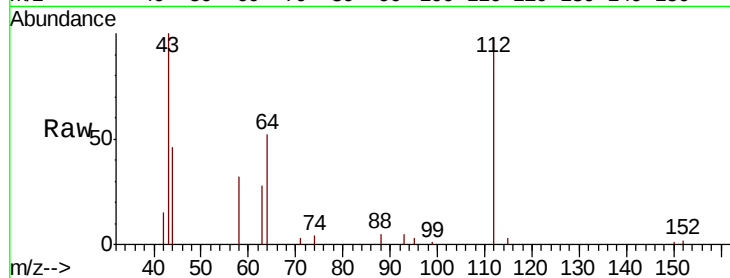
Tgt Ion: 112 Resp: 7918

Ion Ratio Lower Upper

112 100

64 52.3 44.3 66.5

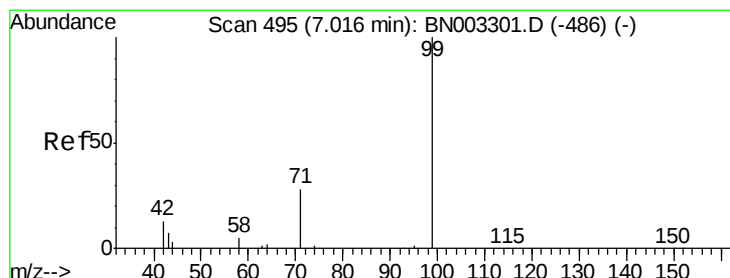
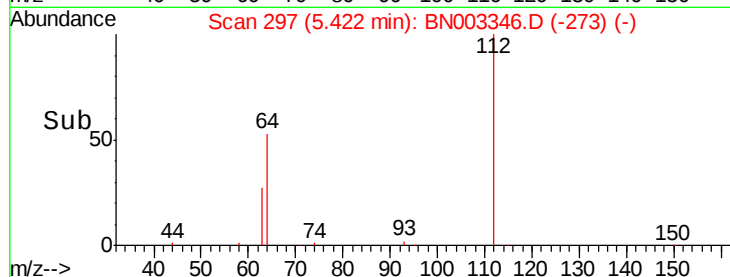
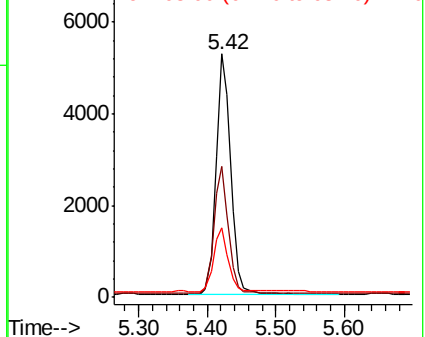
63 26.3 22.4 33.6



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: 0.101 ng

RT: 7.01 min Scan# 494

Delta R.T. -0.01 min

Lab File: BN003346.D

Acq: 29 Oct 2018 23:38

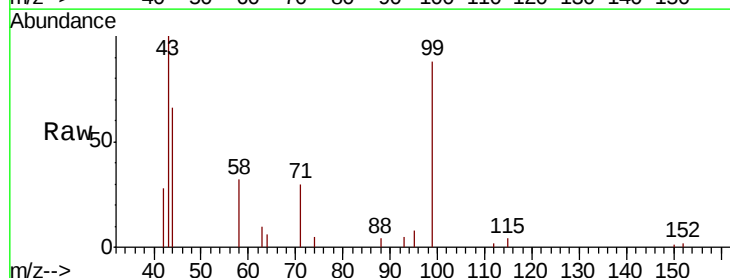
Tgt Ion: 99 Resp: 5915

Ion Ratio Lower Upper

99 100

42 0.0 14.8 22.2#

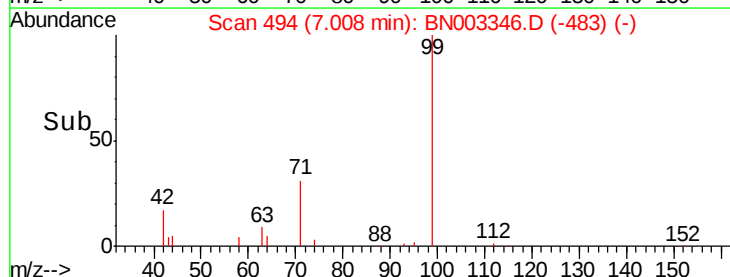
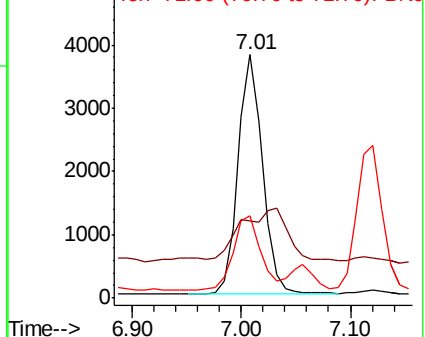
71 35.0 24.8 37.2

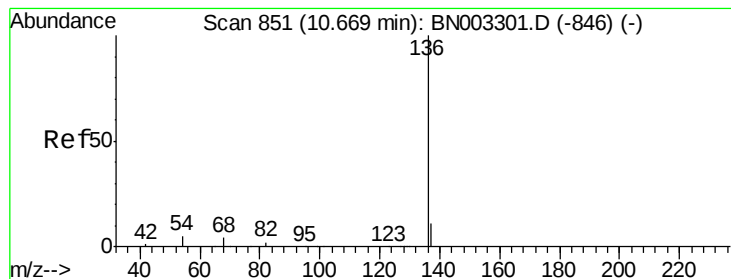


Abundance Ion 99.00 (98.70 to 99.70): BNC

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: 10.66 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN003346.D

Acq: 29 Oct 2018 23:38

Instrument :

BNA_N

ClientSampleId :

SA-PZ143I-20181024

Tgt Ion:136 Resp: 82767

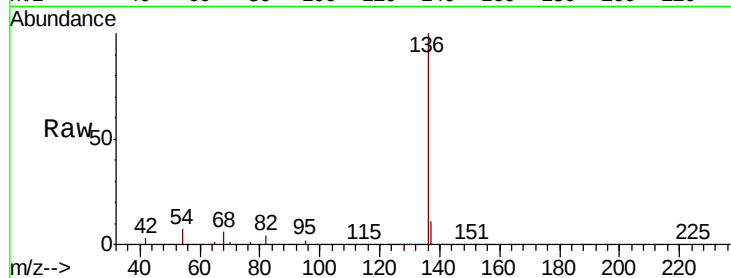
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 7.0 4.1 6.1#

68 6.2 3.5 5.3#



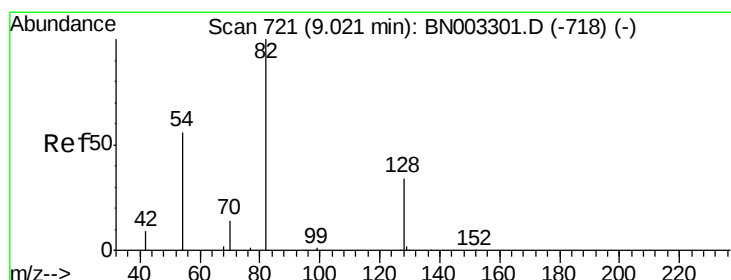
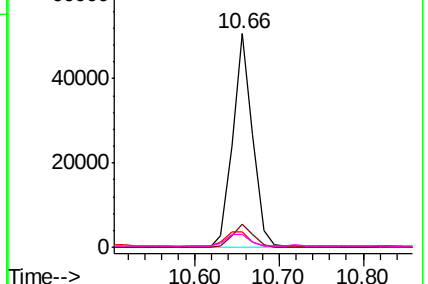
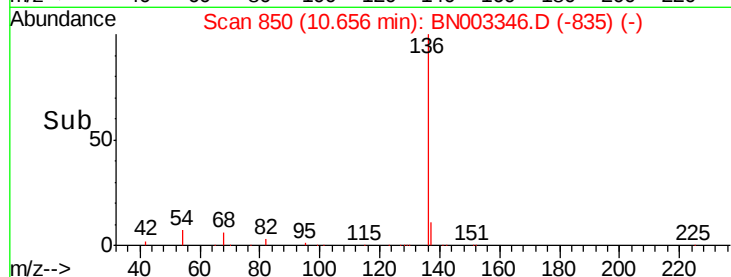
Abundance

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: 0.428 ng

RT: 9.02 min Scan# 721

Delta R.T. 0.00 min

Lab File: BN003346.D

Acq: 29 Oct 2018 23:38

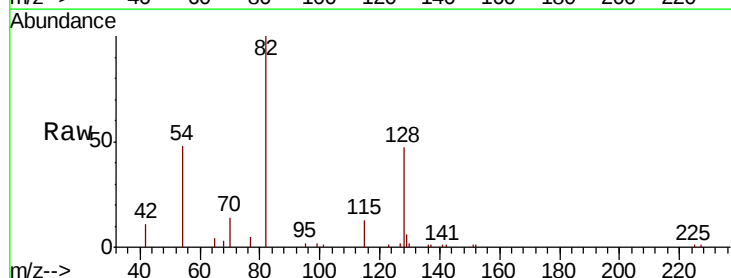
Tgt Ion: 82 Resp: 15507

Ion Ratio Lower Upper

82 100

128 47.3 28.9 43.3#

54 47.6 46.1 69.1

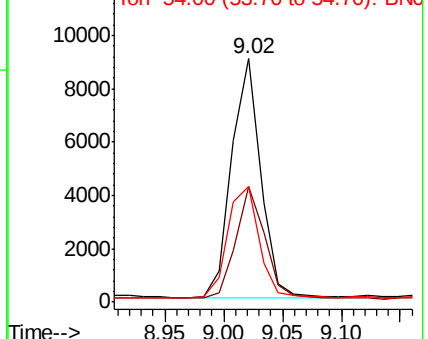
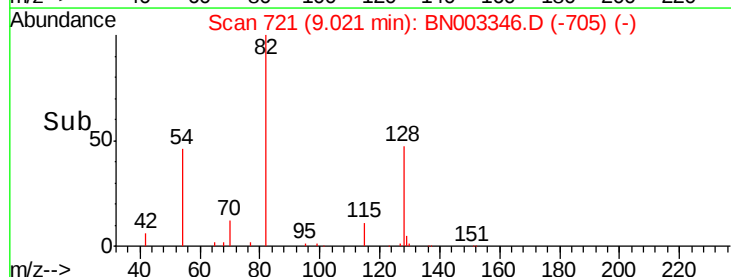


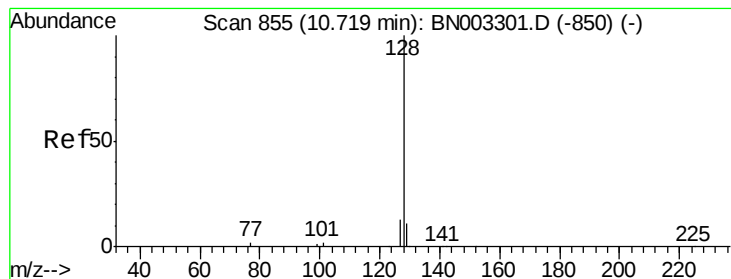
Abundance

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





#9

Naphthalene

Concen: 0.022 ng

RT: 10.71 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN003346.D

Acq: 29 Oct 2018 23:38

Instrument :

BNA_N

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SA-PZ143I-20181024

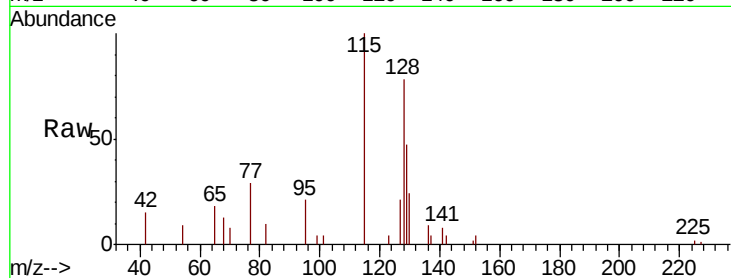
Tgt Ion:128 Resp: 4400

Ion Ratio Lower Upper

128 100

129 60.6 9.1 13.7#

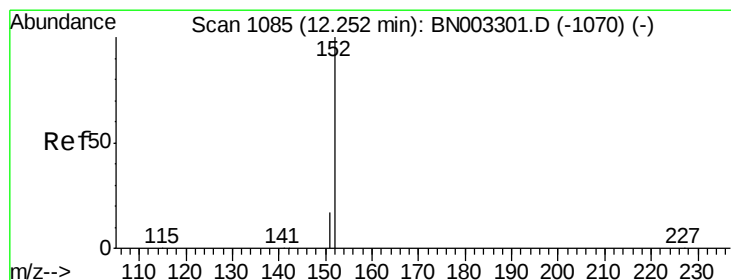
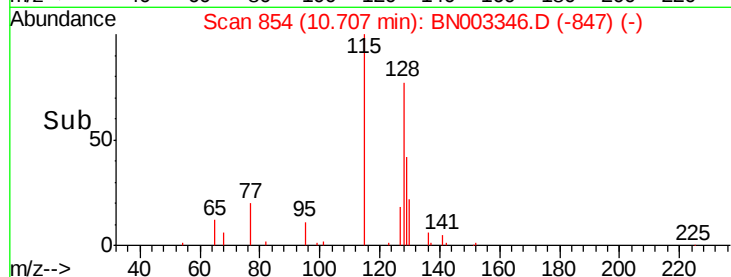
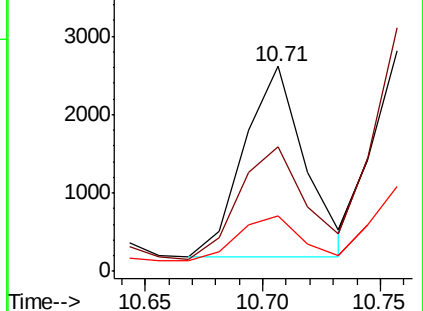
127 27.4 10.2 15.4#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene-d10

Concen: 0.316 ng

RT: 12.24 min Scan# 1083

Delta R.T. -0.01 min

Lab File: BN003346.D

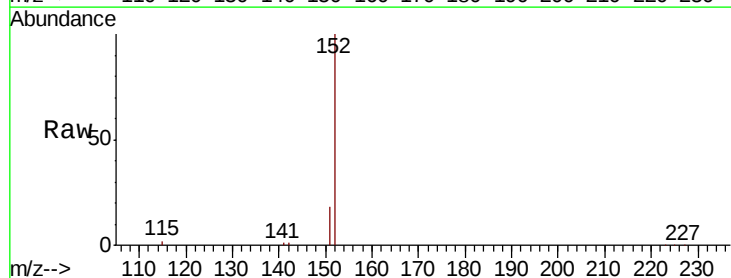
Acq: 29 Oct 2018 23:38

Tgt Ion:152 Resp: 42512

Ion Ratio Lower Upper

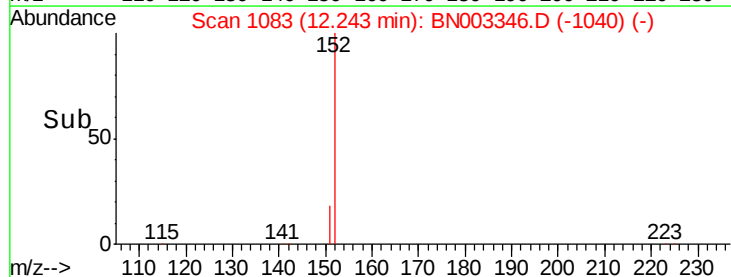
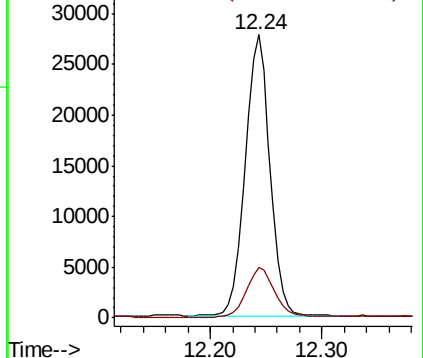
152 100

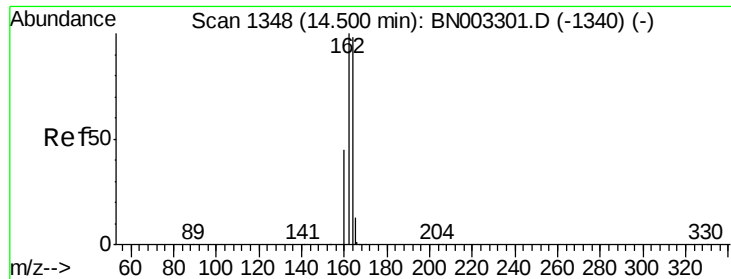
151 20.1 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BN003346.D

Acq: 29 Oct 2018 23:38

Instrument :

BNA_N

ClientSampleId :

SA-PZ143I-20181024

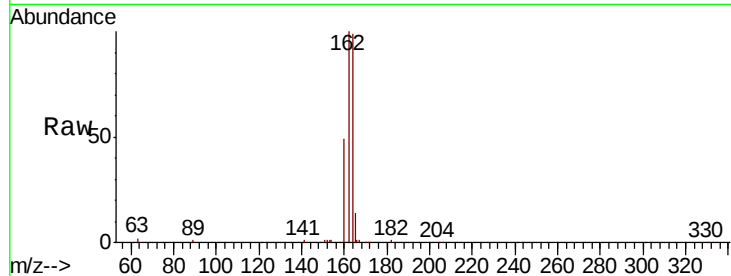
Tgt Ion:164 Resp: 50363

Ion Ratio Lower Upper

164 100

162 101.4 81.8 122.6

160 49.6 37.2 55.8

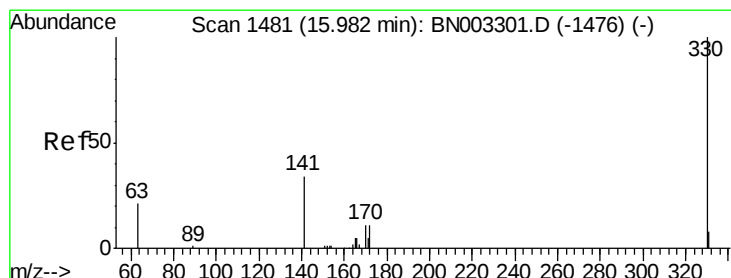
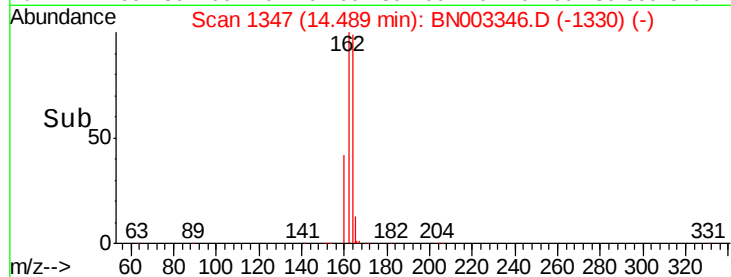
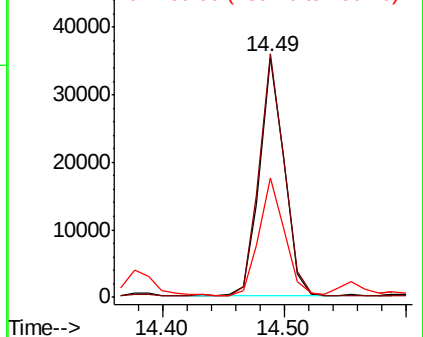


Abundance

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: 0.428 ng

RT: 15.98 min Scan# 1481

Delta R.T. 0.00 min

Lab File: BN003346.D

Acq: 29 Oct 2018 23:38

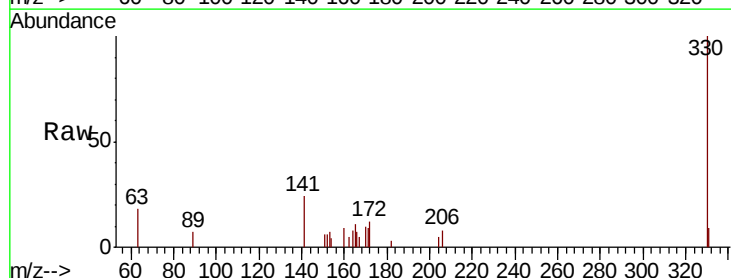
Tgt Ion:330 Resp: 8581

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 41.1 28.3 42.5

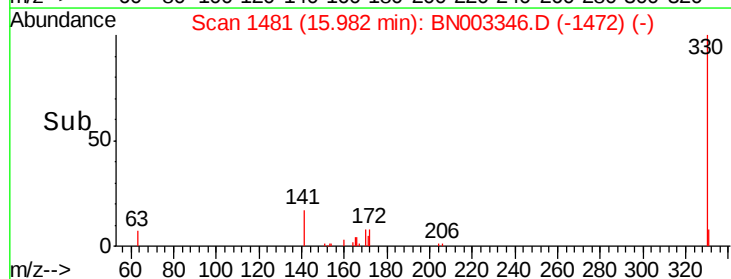
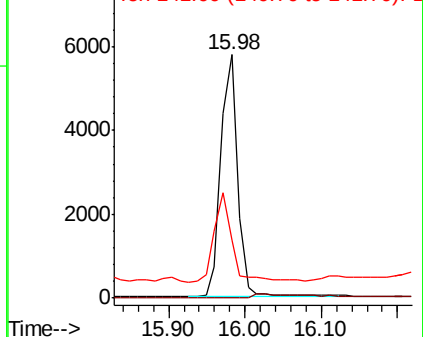


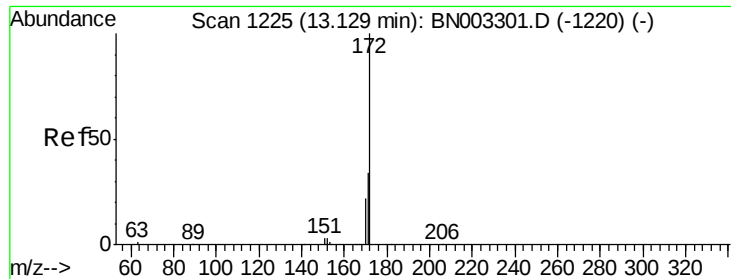
Abundance

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

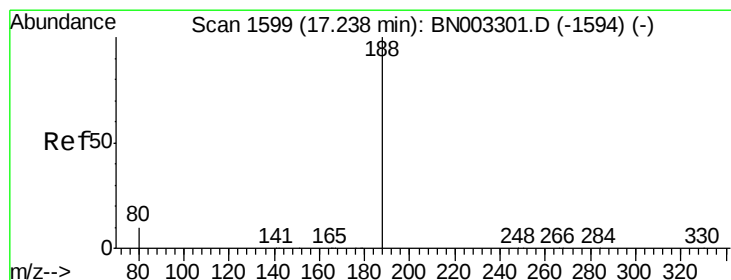
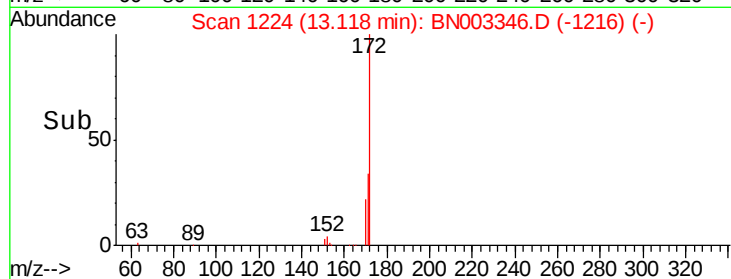
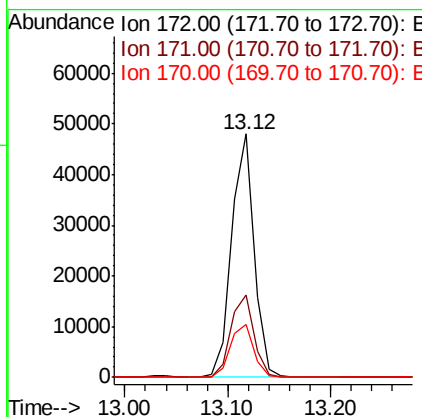
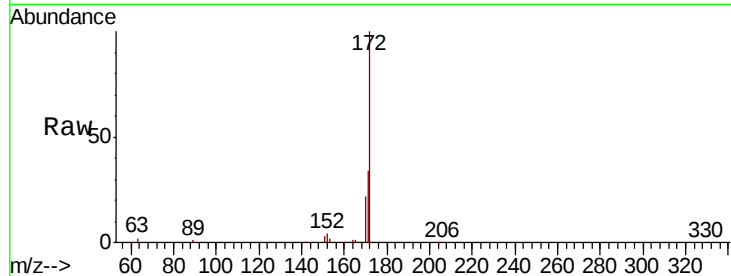




#15
2-Fluorobiphenyl
Concen: 0.332 ng
RT: 13.12 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BN003346.D
Acq: 29 Oct 2018 23:38

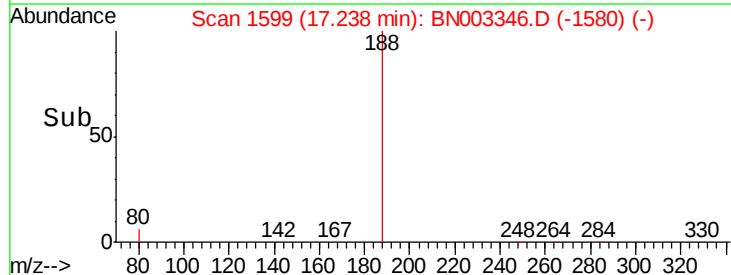
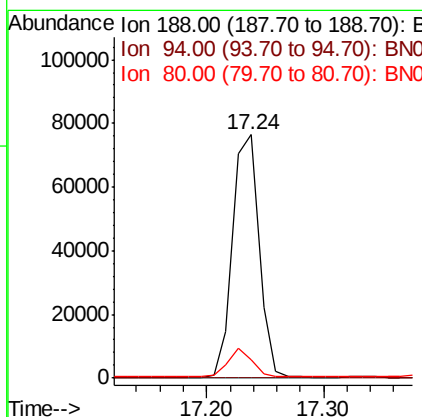
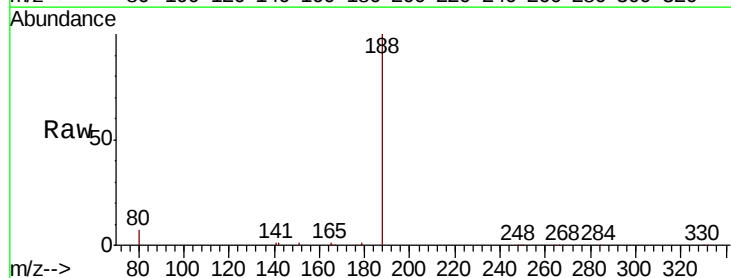
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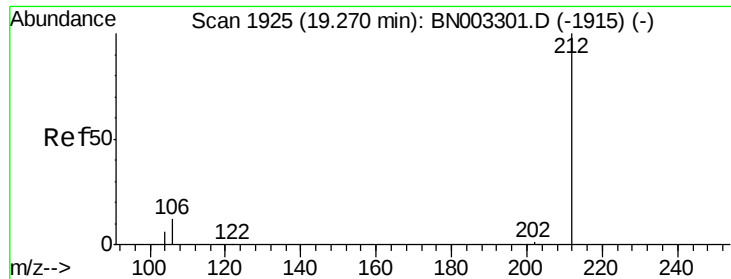
Tgt Ion:172 Resp: 71947
Ion Ratio Lower Upper
172 100
171 34.0 27.1 40.7
170 21.9 17.4 26.0



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1599
Delta R.T. 0.00 min
Lab File: BN003346.D
Acq: 29 Oct 2018 23:38

Tgt Ion:188 Resp: 118795
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.3 8.6 12.8#





#25

Fluoranthene-d10

Concen: 0.309 ng

RT: 19.26 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BN003346.D

Acq: 29 Oct 2018 23:38

Instrument :

BNA_N

ClientSampleId :

SA-PZ143I-20181024

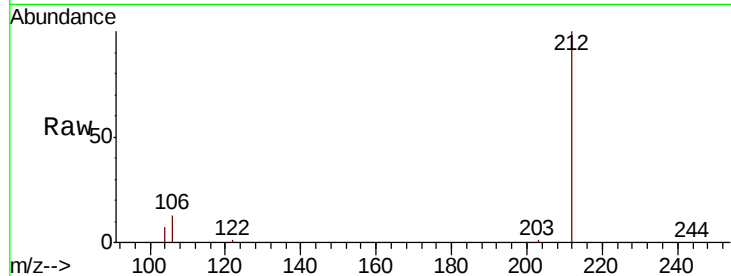
Tgt Ion:212 Resp: 106911

Ion Ratio Lower Upper

212 100

106 13.0 10.3 15.5

104 7.1 5.6 8.4

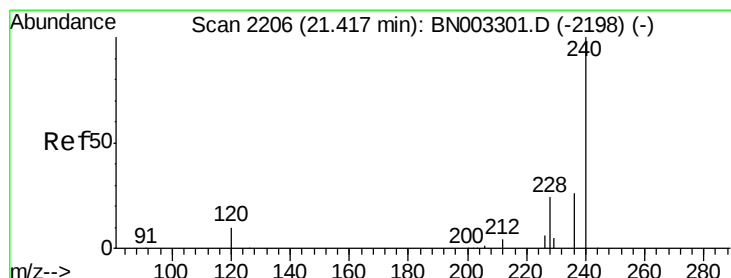
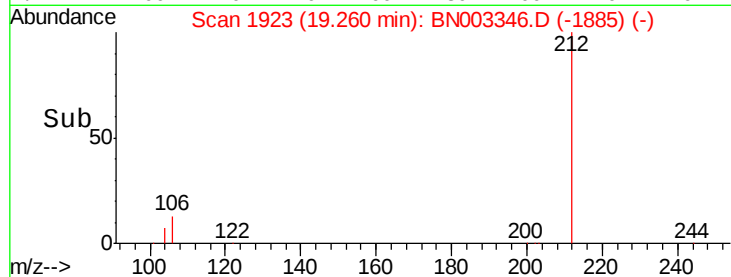
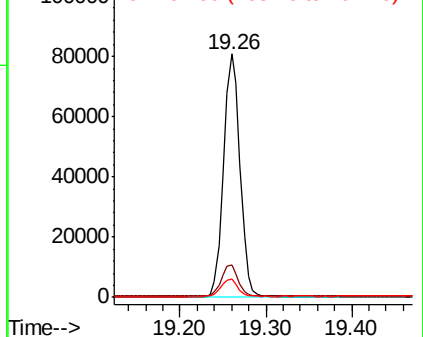


Abundance

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: 21.42 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BN003346.D

Acq: 29 Oct 2018 23:38

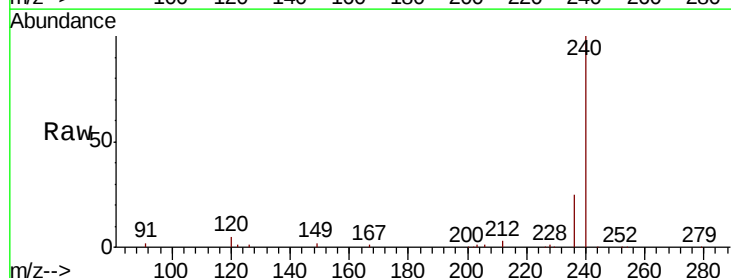
Tgt Ion:240 Resp: 127465

Ion Ratio Lower Upper

240 100

120 5.1 9.3 13.9#

236 24.9 21.0 31.4

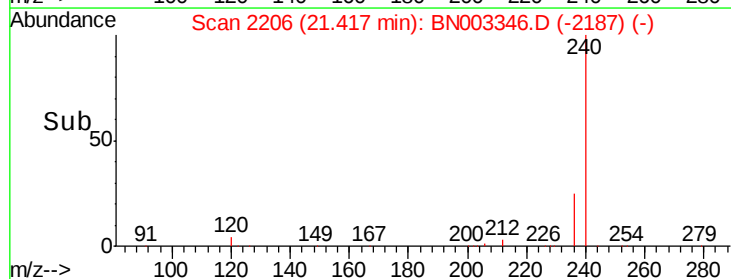
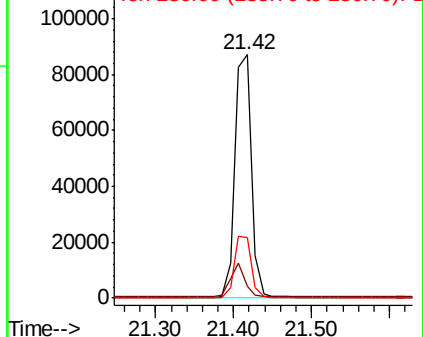


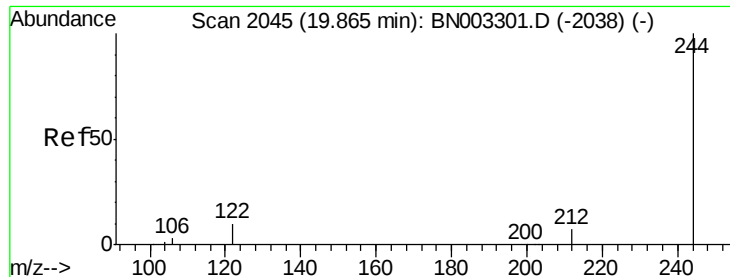
Abundance

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: 0.383 ng

RT: 19.86 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BN003346.D

Acq: 29 Oct 2018 23:38

Instrument :

BNA_N

ClientSampleId :

SA-PZ143I-20181024

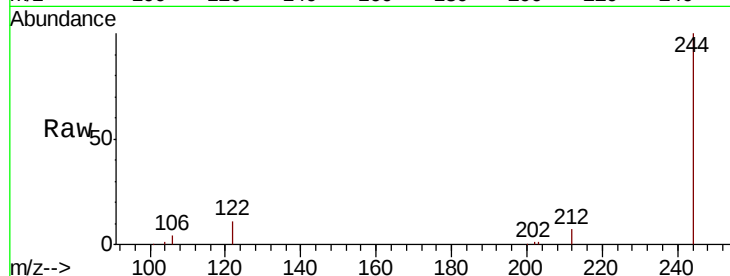
Tgt Ion:244 Resp: 113577

Ion Ratio Lower Upper

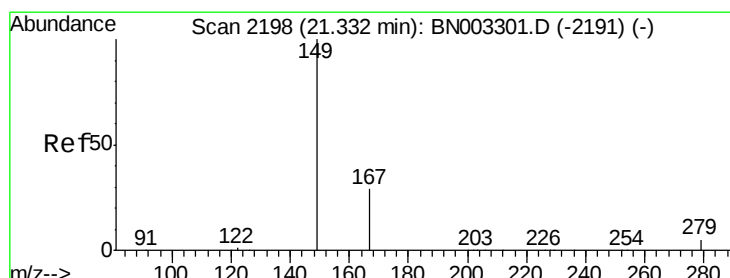
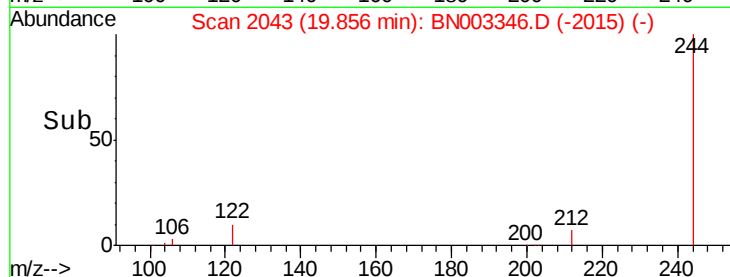
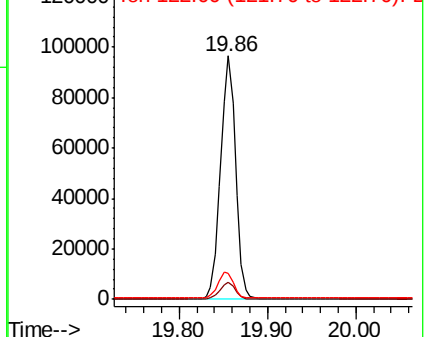
244 100

212 6.8 5.6 8.4

122 10.9 8.5 12.7



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: 0.092 ng

RT: 21.31 min Scan# 2196

Delta R.T. -0.02 min

Lab File: BN003346.D

Acq: 29 Oct 2018 23:38

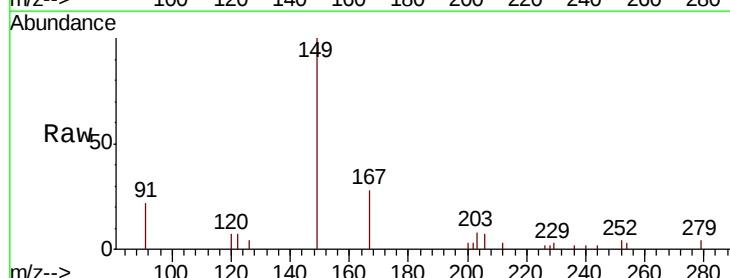
Tgt Ion:149 Resp: 9139

Ion Ratio Lower Upper

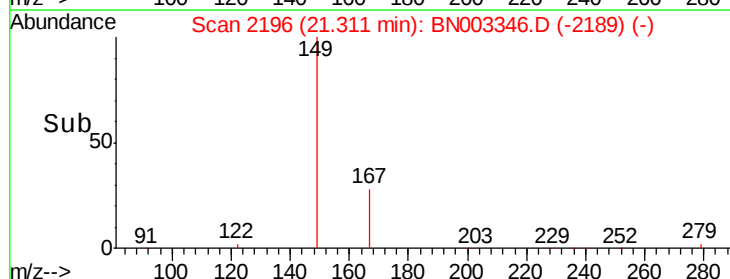
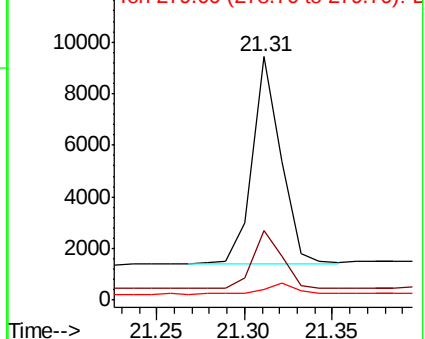
149 100

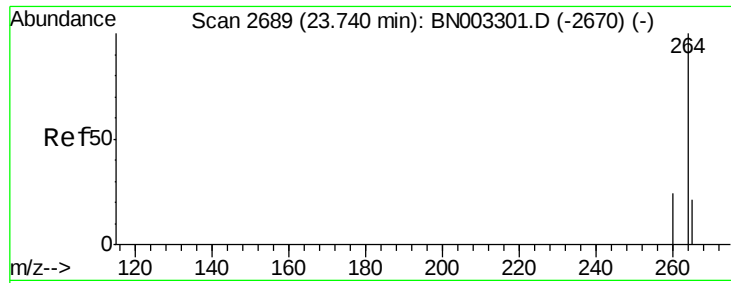
167 28.4 22.4 33.6

279 5.6 3.9 5.9



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: 23.73 min Scan# 2686

Delta R.T. -0.01 min

Lab File: BN003346.D

Acq: 29 Oct 2018 23:38

Instrument :

BNA_N

ClientSampleId :

SA-PZ143I-20181024

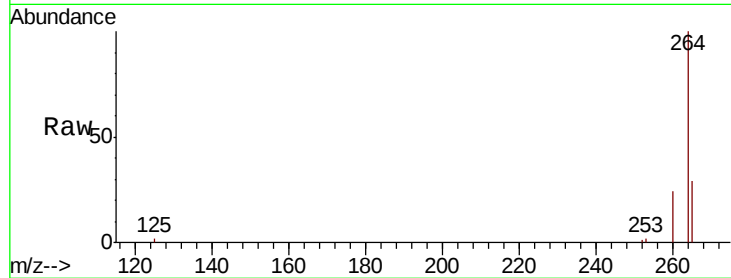
Tgt Ion:264 Resp: 109155

Ion Ratio Lower Upper

264 100

260 23.8 19.1 28.7

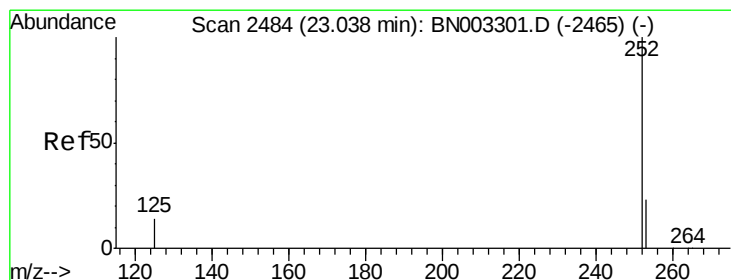
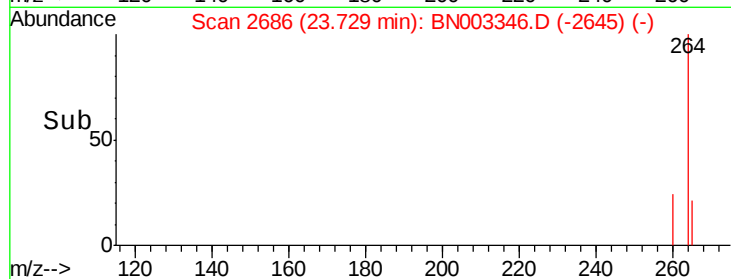
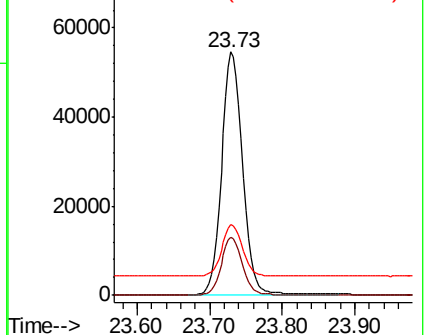
265 29.1 26.4 39.6



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: 0.030 ng

RT: 23.02 min Scan# 2480

Delta R.T. -0.01 min

Lab File: BN003346.D

Acq: 29 Oct 2018 23:38

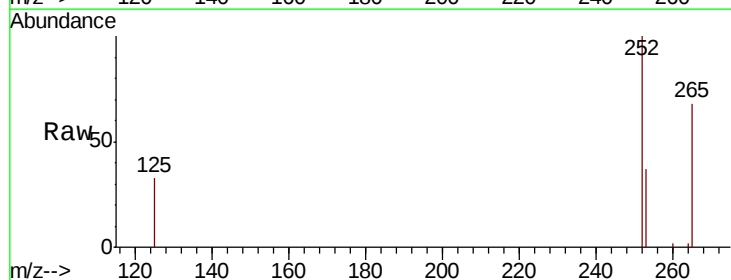
Tgt Ion:252 Resp: 10380

Ion Ratio Lower Upper

252 100

253 37.0 19.3 28.9#

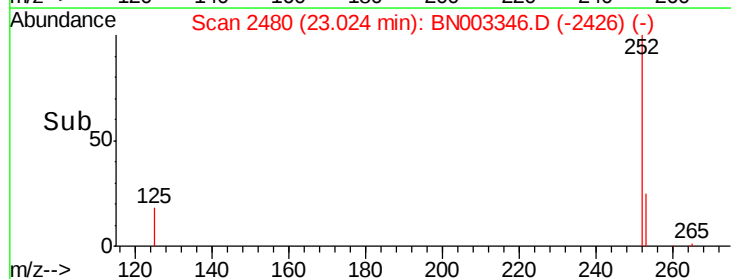
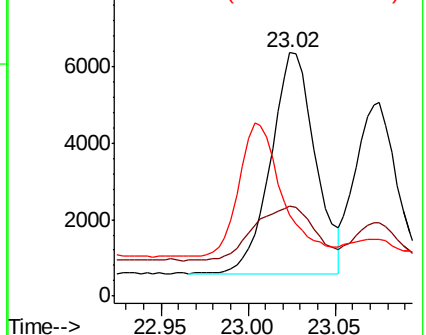
125 33.1 12.7 19.1#

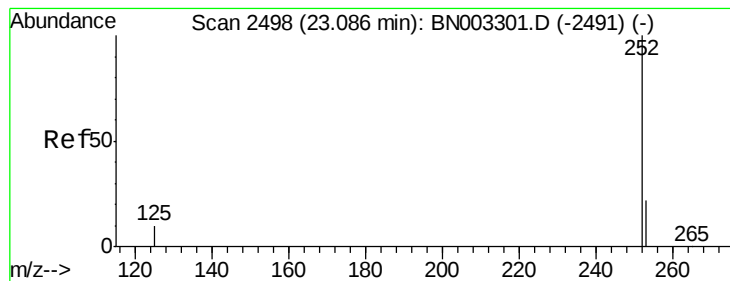


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 0.022 ng

RT: 23.08 min Scan# 2495

Delta R.T. -0.01 min

Lab File: BN003346.D

Acq: 29 Oct 2018 23:38

Instrument :

BNA_N

ClientSampleId :

SA-PZ143I-20181024

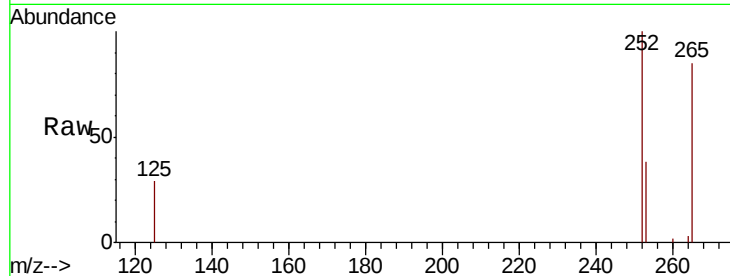
Tgt Ion: 252 Resp: 7304

Ion Ratio Lower Upper

252 100

253 38.0 18.5 27.7#

125 29.1 9.1 13.7#

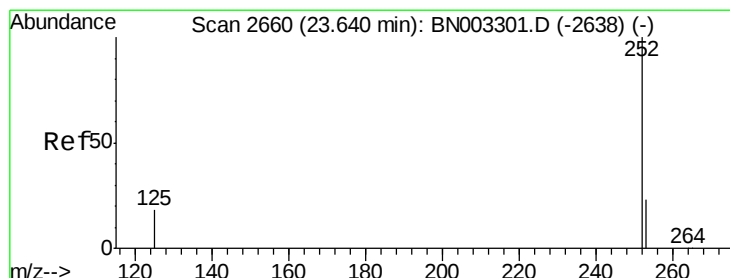
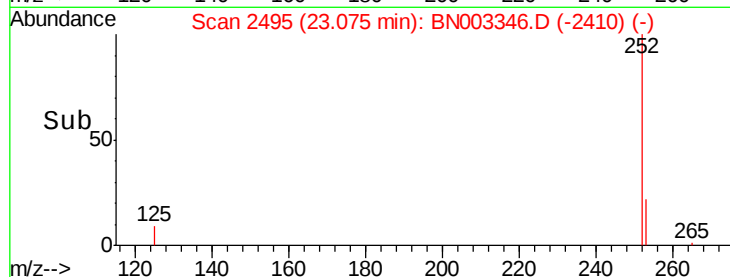
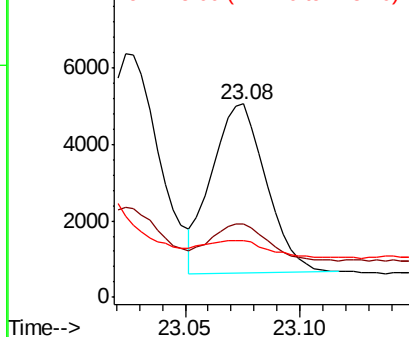


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#37

Benzo(a)pyrene

Concen: 0.021 ng

RT: 23.63 min Scan# 2656

Delta R.T. -0.01 min

Lab File: BN003346.D

Acq: 29 Oct 2018 23:38

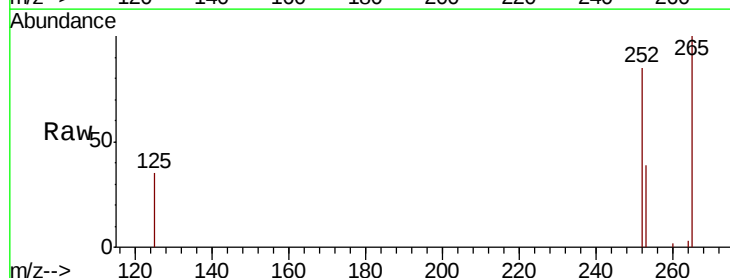
Tgt Ion: 252 Resp: 6558

Ion Ratio Lower Upper

252 100

253 46.3 20.1 30.1#

125 41.5 16.0 24.0#

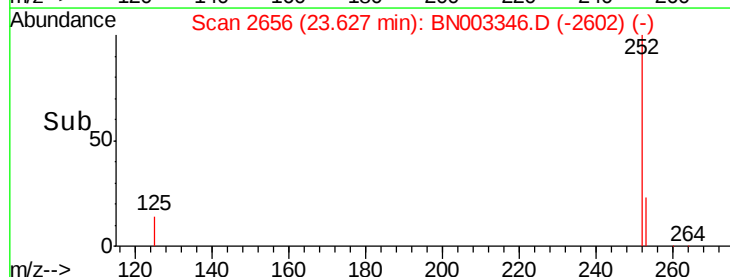
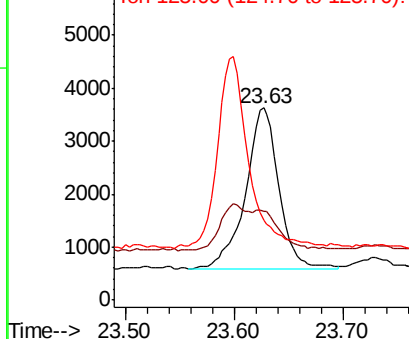


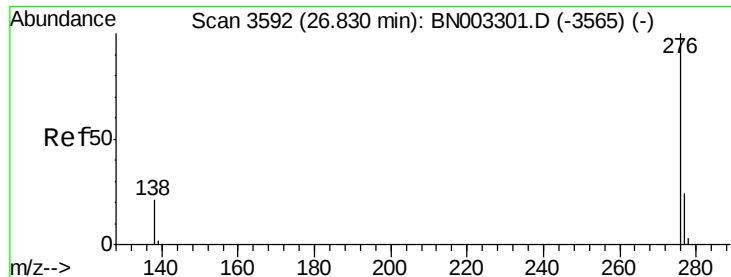
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.021 ng

RT: 26.81 min Scan# 3587

Delta R.T. -0.02 min

Lab File: BN003346.D

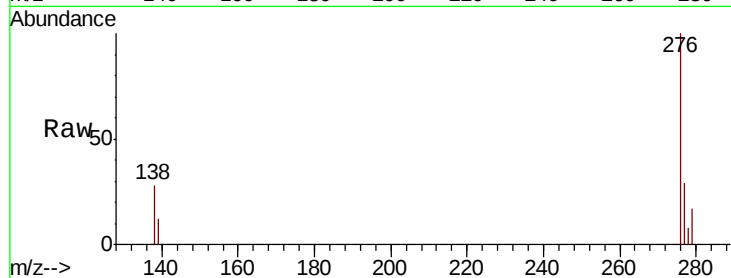
Acq: 29 Oct 2018 23:38

Instrument :

BNA_N

ClientSampleId :

SA-PZ143I-20181024



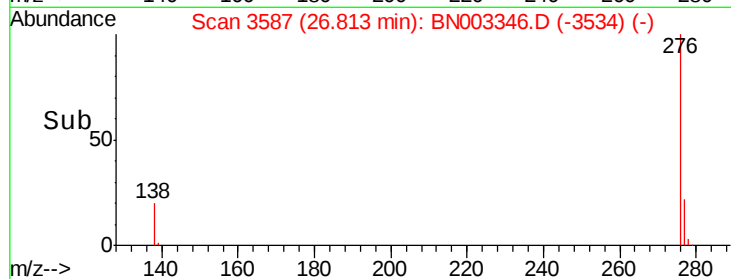
Tgt Ion: 276 Resp: 6022

Ion Ratio Lower Upper

276 100

277 29.0 19.5 29.3

138 28.3 17.4 26.2#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

