

Data File : BN007351.D
Acq On : 24 Aug 2019 05:50
Operator : HP/JU
Sample : K4443-01DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
S701-N-0.0-0.5-082019DL

Quant Time: Aug 24 07:35:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 24 00:38:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	5504	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	22581	0.40	ng	0.00
13) Acenaphthene-d10	14.05	164	12263	0.40	ng	0.00
19) Phenanthrene-d10	16.79	188	27272	0.40	ng	0.00
27) Chrysene-d12	21.02	240	27302	0.40	ng	0.00
34) Perylene-d12	23.12	264	29724	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.04	112	620	0.00	ng	0.00
5) Phenol-d6	6.60	99	719	-0.00	ng	0.00
8) Nitrobenzene-d5	8.54	82	611	0.03	ng	0.01
11) 2-Methylnaphthalene-d10	11.76	152	1134	0.03	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	225	0.04	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	1361	0.03	ng	0.00
25) Fluoranthene-d10	18.84	212	2260	0.03	ng	0.00
29) Terphenyl-d14	19.47	244	1685	0.02	ng	0.00

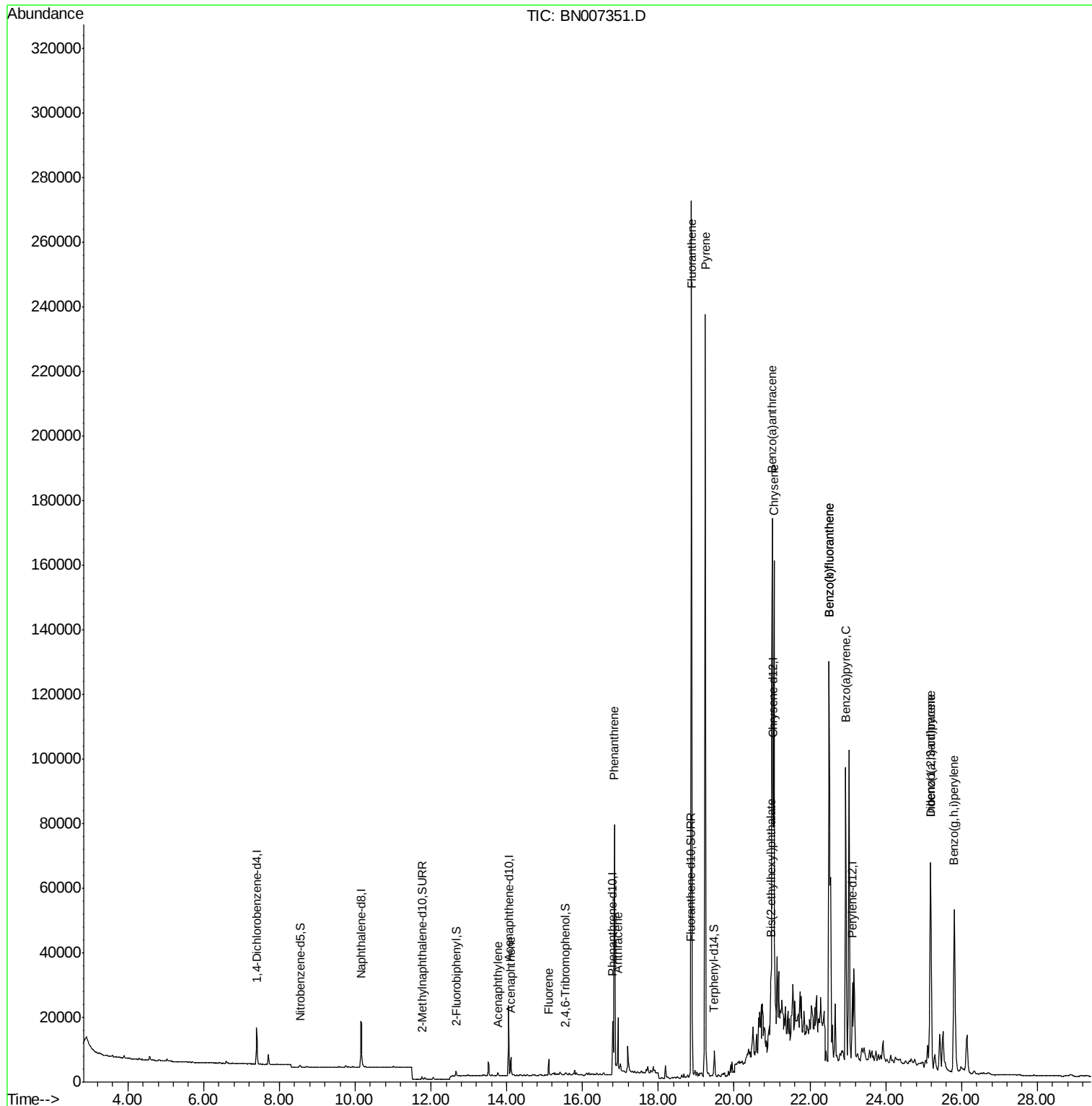
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acenaphthylene	13.77	152	1454	0.020	ng	98
17) Acenaphthene	14.11	154	2958	0.070	ng	96
18) Fluorene	15.10	166	3648	0.068	ng	93
23) Phenanthrene	16.84	178	84938	1.035	ng	99
24) Anthracene	16.93	178	16841	0.204	ng	# 91
26) Fluoranthene	18.87	202	252685	2.399	ng	100
28) Pyrene	19.24	202	207779	1.892	ng	# 94
30) Benzo(a)anthracene	21.00	228	151248	1.411	ng	95
31) Chrysene	21.06	228	154369	1.492	ng	96
32) Bis(2-ethylhexyl)phthalate	20.97	149	7554	0.090	ng	# 97
33) Indeno(1,2,3-cd)pyrene	25.18	276	96028	0.770	ng	98
35) Benzo(b)fluoranthene	22.51	252	192046	1.783	ng	# 95
36) Benzo(k)fluoranthene	22.51	252	192046	1.804	ng	# 92
37) Benzo(a)pyrene	22.94	252	110040	1.074	ng	96
38) Dibenzo(a,h)anthracene	25.19	278	27143	0.265	ng	# 87
39) Benzo(g,h,i)perylene	25.81	276	98851	0.970	ng	97

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

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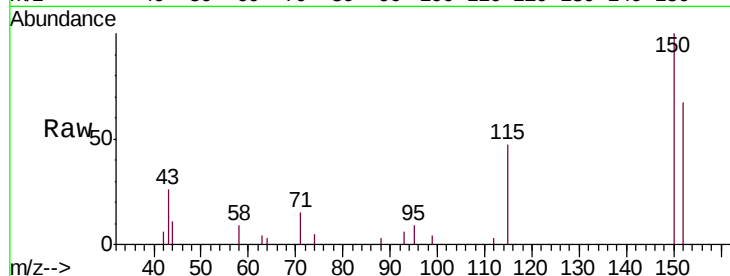


#1

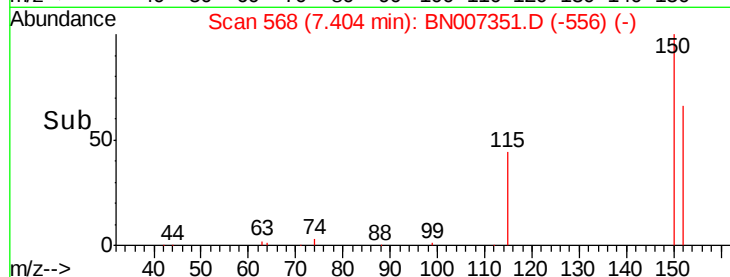
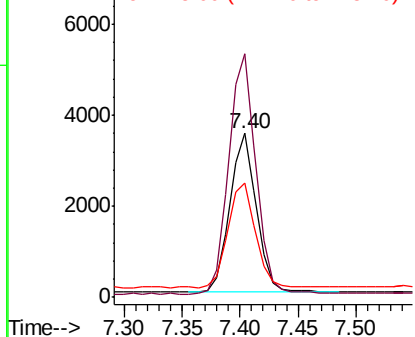
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. -0.00 min
Lab File: BN007351.D
Acq: 24 Aug 2019 05:50

Instrument :
BNA_N
ClientSampleId :
S701-N-0.0-0.5-082019DL

Tgt Ion:152 Resp: 5504
Ion Ratio Lower Upper
152 100
150 148.3 109.1 163.7
115 69.7 59.6 89.4



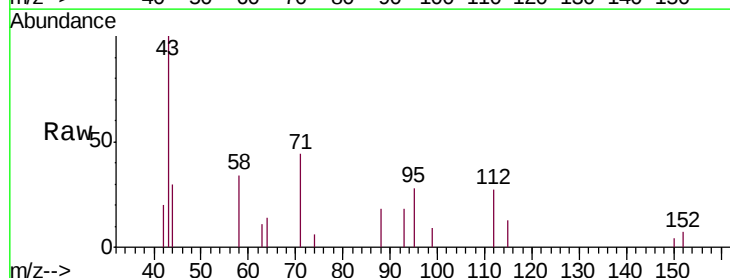
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



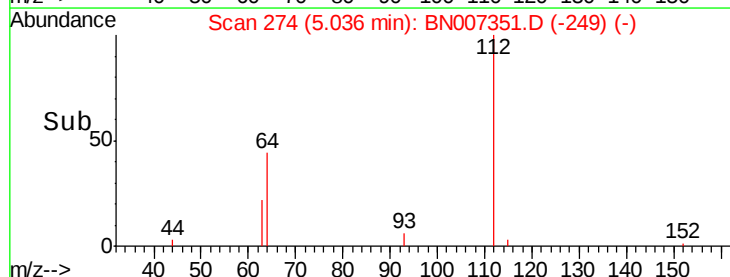
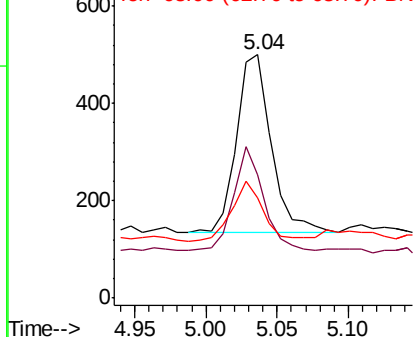
#4

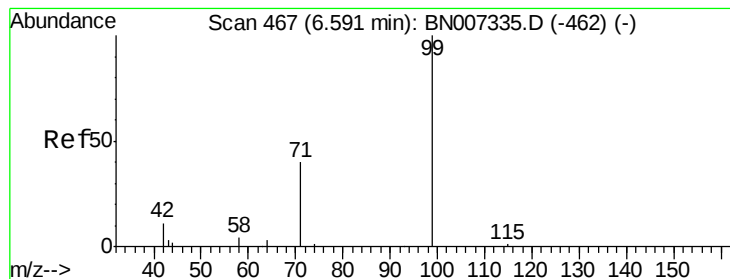
2-Fluorophenol
Concen: 0.005 ng
RT: 5.04 min Scan# 274
Delta R.T. 0.00 min
Lab File: BN007351.D
Acq: 24 Aug 2019 05:50

Tgt Ion:112 Resp: 620
Ion Ratio Lower Upper
112 100
64 54.8 42.3 63.5
63 29.7 23.6 35.4



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





#5

Phenol-d6

Concen: -0.001 ng

RT: 6.60 min Scan# 468

Delta R.T. 0.01 min

Lab File: BN007351.D

Acq: 24 Aug 2019 05:50

Instrument :

BNA_N

ClientSampleId :

S701-N-0.0-0.5-082019DL

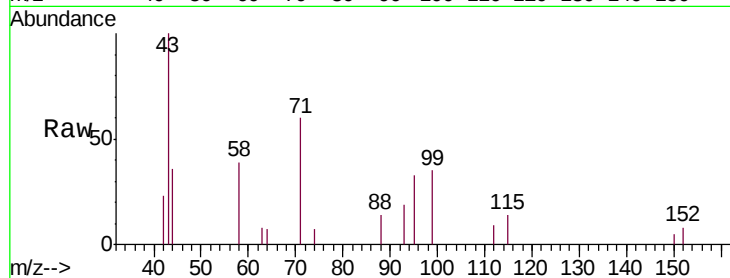
Tgt Ion: 99 Resp: 719

Ion Ratio Lower Upper

99 100

42 15.2 11.2 16.8

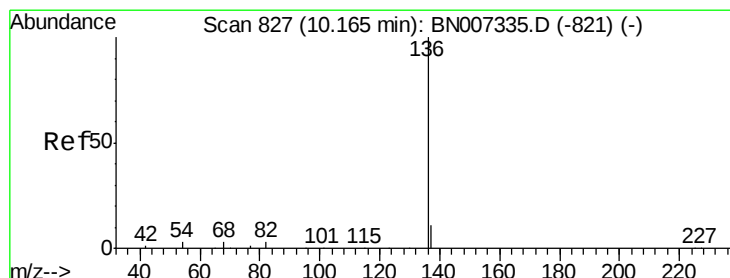
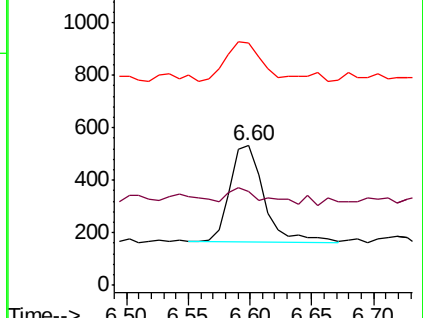
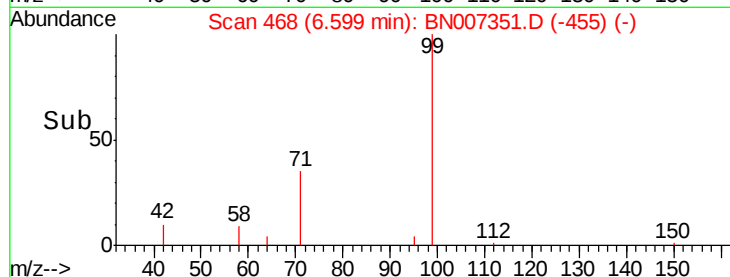
71 41.6 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN007335.D (-462) (-)

Ion 42.00 (41.70 to 42.70): BN007335.D (-462) (-)

Ion 71.00 (70.70 to 71.70): BN007335.D (-462) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 827

Delta R.T. -0.00 min

Lab File: BN007351.D

Acq: 24 Aug 2019 05:50

Tgt Ion: 136 Resp: 22581

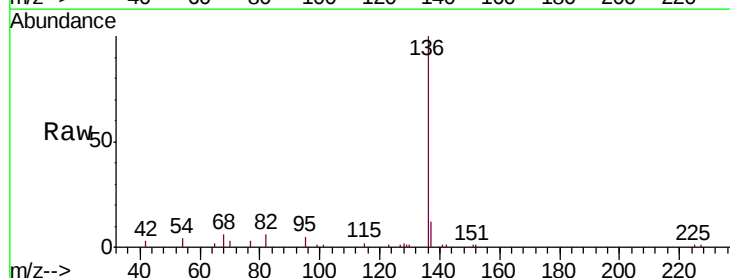
Ion Ratio Lower Upper

136 100

137 11.8 12.9 19.3#

54 4.2 8.6 12.8#

68 6.0 17.0 25.4#

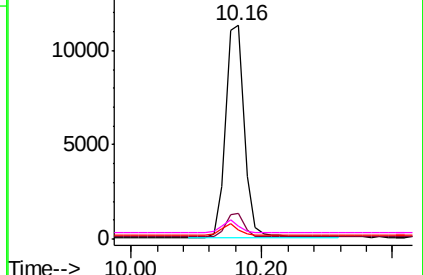
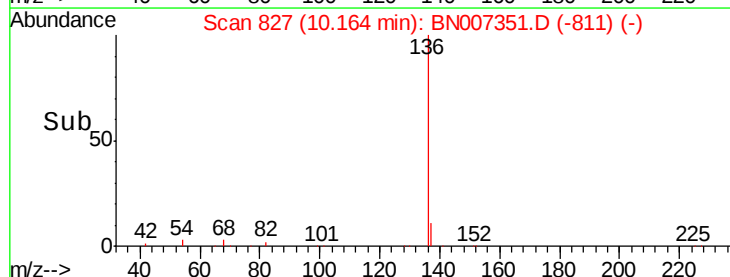


Abundance Ion 136.00 (135.70 to 136.70): BN007335.D (-821) (-)

Ion 137.00 (136.70 to 137.70): BN007335.D (-821) (-)

Ion 54.00 (53.70 to 54.70): BN007335.D (-821) (-)

Ion 68.00 (67.70 to 68.70): BN007335.D (-821) (-)





#8

Nitrobenzene-d5

Concen: 0.031 ng

RT: 8.54 min Scan# 699

Delta R.T. 0.01 min

Lab File: BN007351.D

Acq: 24 Aug 2019 05:50

Instrument :

BNA_N

ClientSampleId :

S701-N-0.0-0.5-082019DL

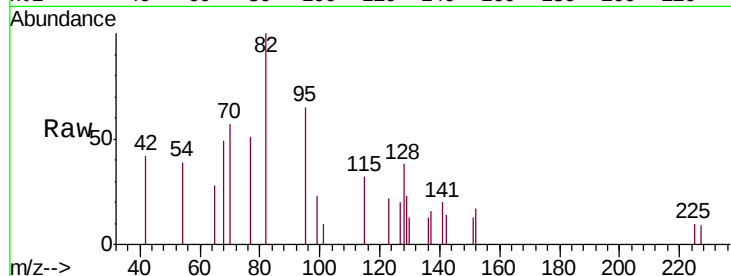
Tgt Ion: 82 Resp: 611

Ion Ratio Lower Upper

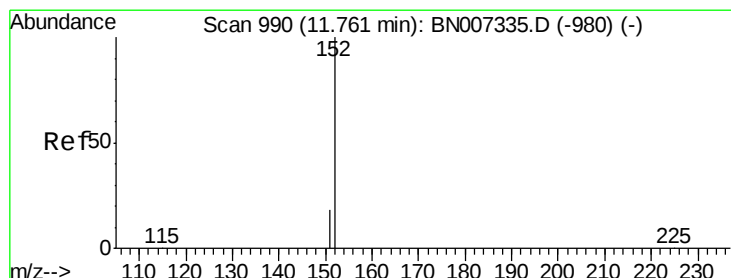
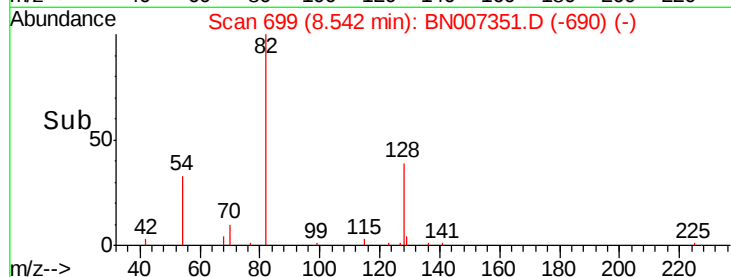
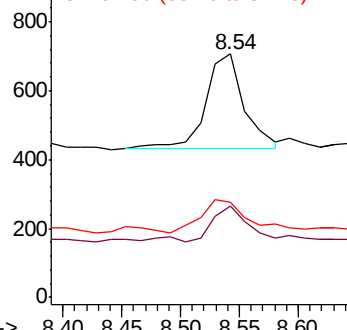
82 100

128 37.6 19.7 29.5#

54 39.2 25.8 38.6#



Abundance Ion 82.00 (81.70 to 82.70): BN007335.D (-695) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.030 ng

RT: 11.76 min Scan# 990

Delta R.T. -0.00 min

Lab File: BN007351.D

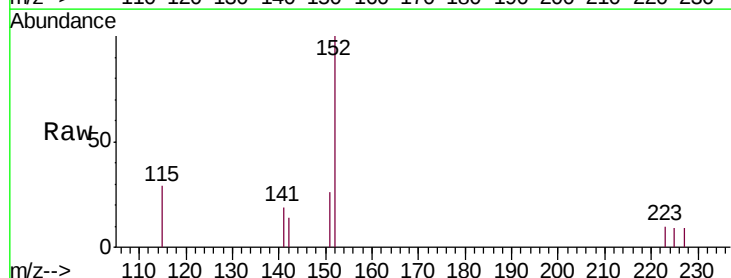
Acq: 24 Aug 2019 05:50

Tgt Ion: 152 Resp: 1134

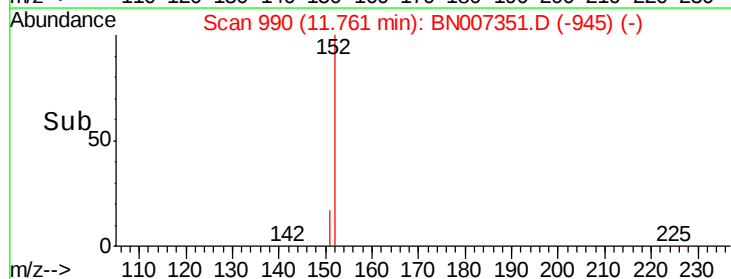
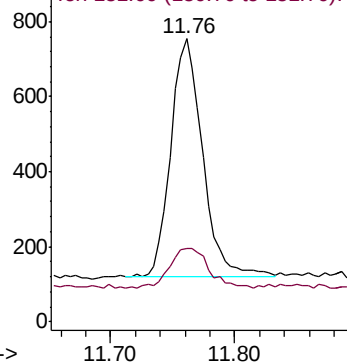
Ion Ratio Lower Upper

152 100

151 21.5 16.2 24.2



Abundance Ion 152.00 (151.70 to 152.70): BN007335.D (-980) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BN007351.D

Acq: 24 Aug 2019 05:50

Instrument :

BNA_N

ClientSampleId :

S701-N-0.0-0.5-082019DL

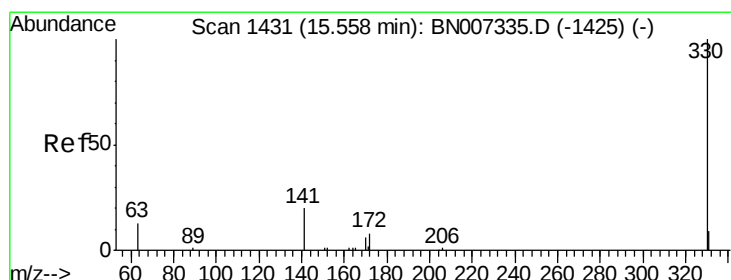
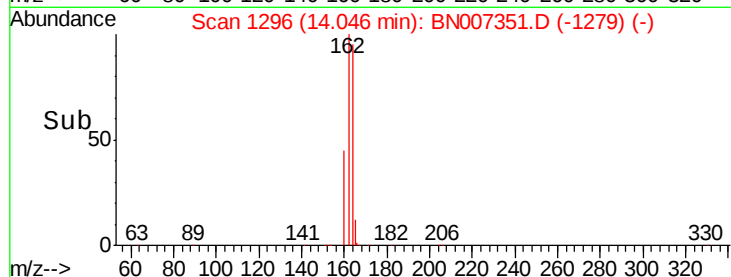
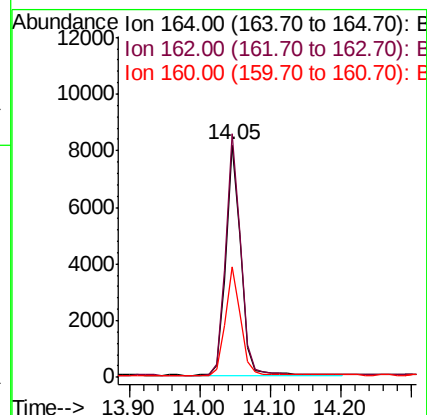
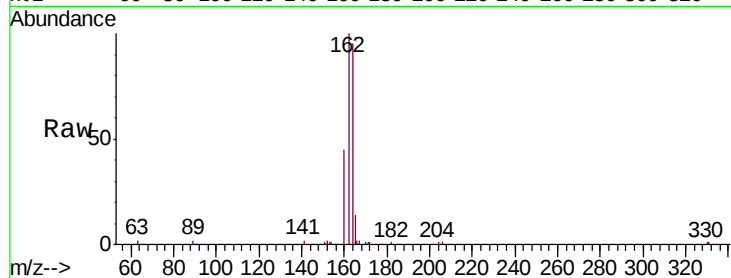
Tgt Ion:164 Resp: 12263

Ion Ratio Lower Upper

164 100

162 104.7 83.5 125.3

160 47.6 38.2 57.4



#14

2,4,6-Tribromophenol

Concen: 0.035 ng

RT: 15.55 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BN007351.D

Acq: 24 Aug 2019 05:50

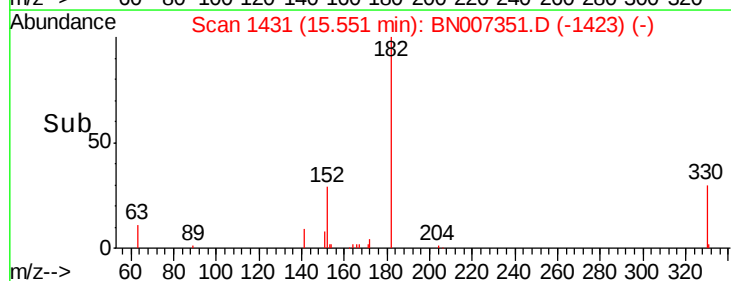
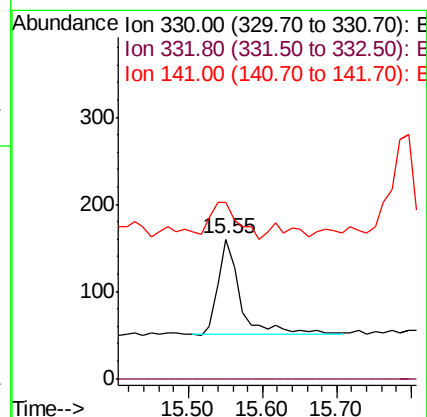
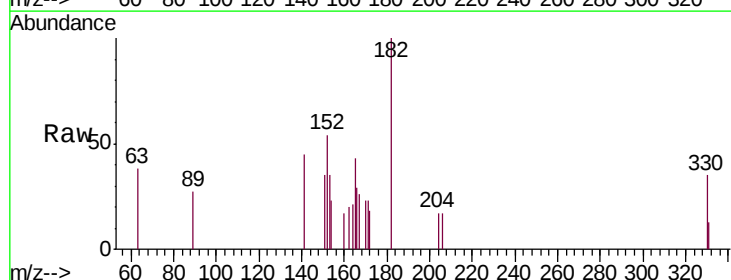
Tgt Ion:330 Resp: 225

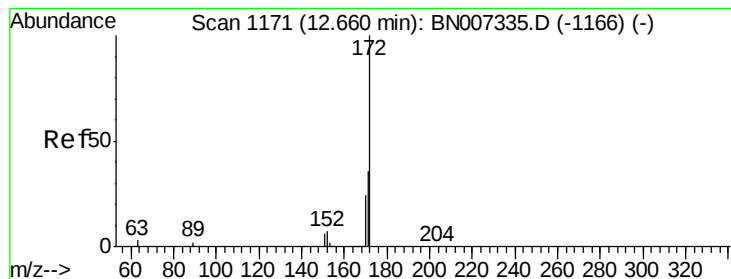
Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 49.8 26.9 40.3#





#15

2-Fluorobiphenyl

Concen: 0.028 ng

RT: 12.66 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BN007351.D

Acq: 24 Aug 2019 05:50

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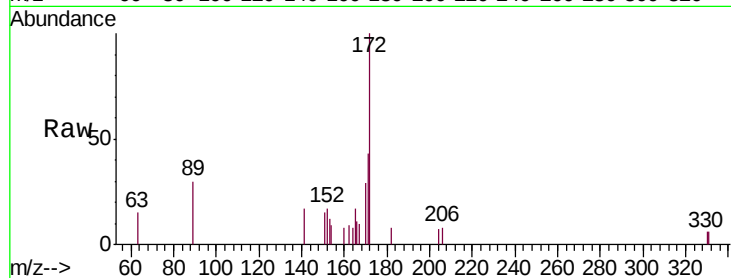
Tgt Ion:172 Resp: 1361

Ion Ratio Lower Upper

172 100

171 42.9 30.3 45.5

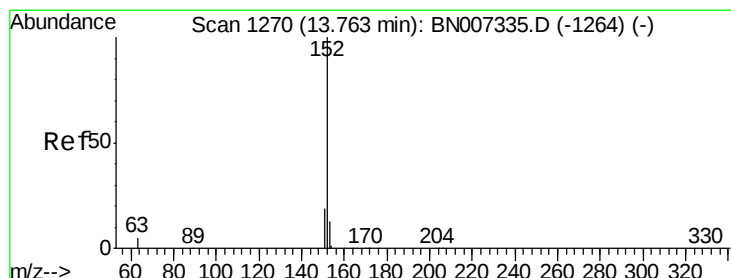
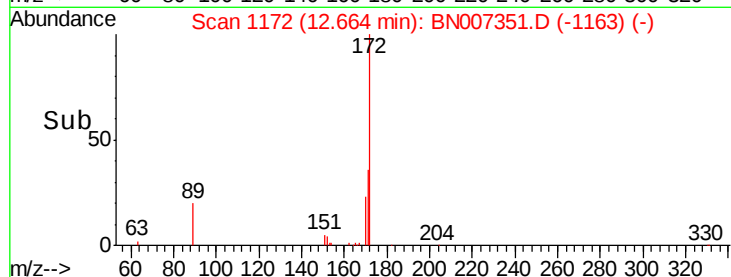
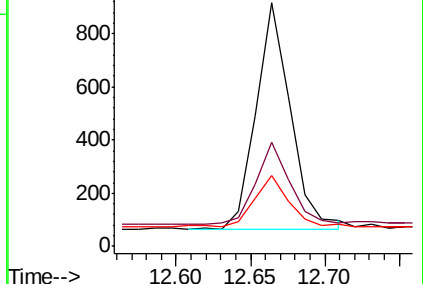
170 29.0 20.7 31.1



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



#16

Acenaphthylene

Concen: 0.020 ng

RT: 13.77 min Scan# 1271

Delta R.T. 0.00 min

Lab File: BN007351.D

Acq: 24 Aug 2019 05:50

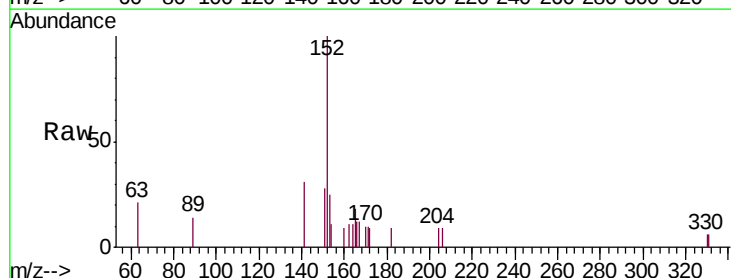
Tgt Ion:152 Resp: 1454

Ion Ratio Lower Upper

152 100

151 20.8 16.1 24.1

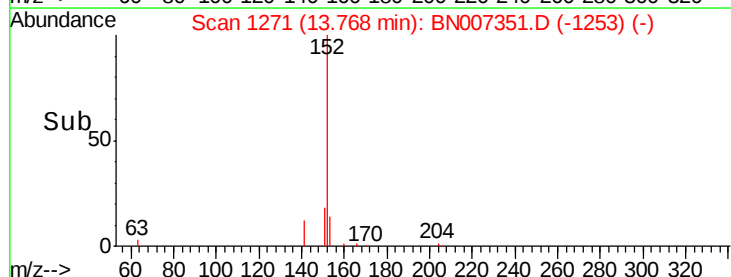
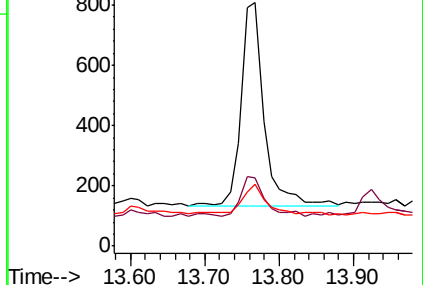
153 14.2 10.6 15.8

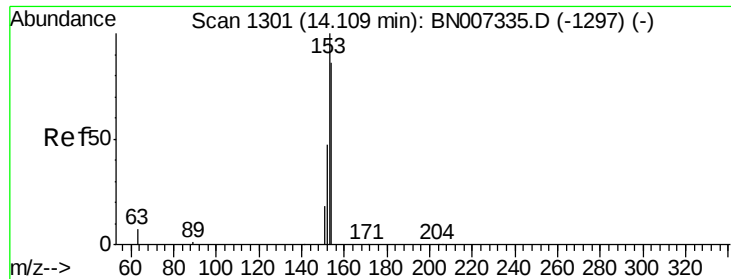


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.070 ng

RT: 14.11 min Scan# 1302

Delta R.T. 0.00 min

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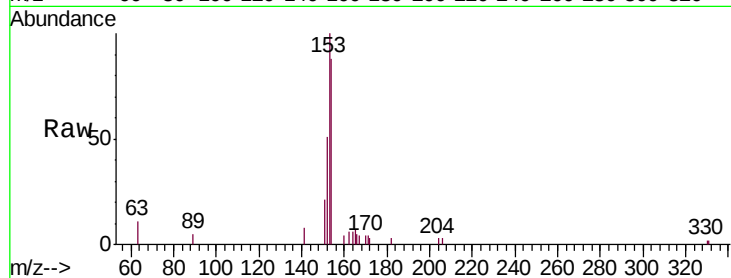
Tgt Ion:154 Resp: 2958

Ion Ratio Lower Upper

154 100

153 110.5 92.8 139.2

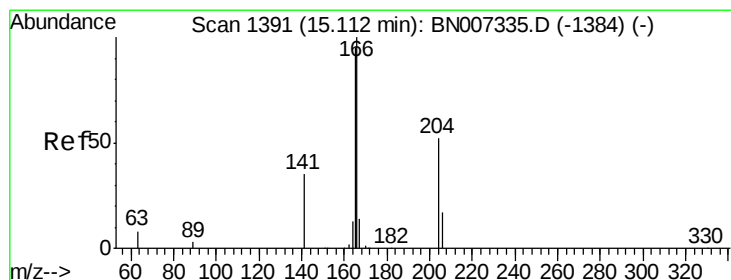
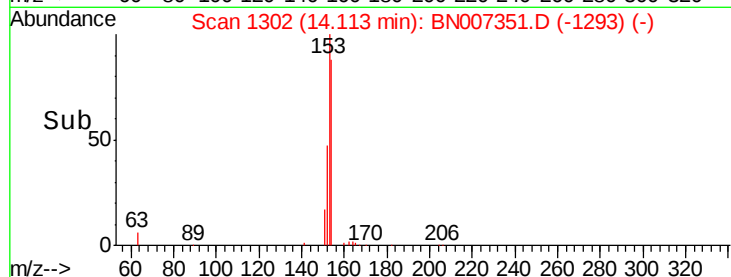
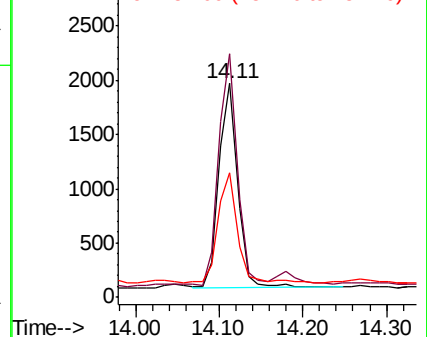
152 55.5 43.8 65.8



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: 0.068 ng

RT: 15.10 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BN007351.D

Acq: 24 Aug 2019 05:50

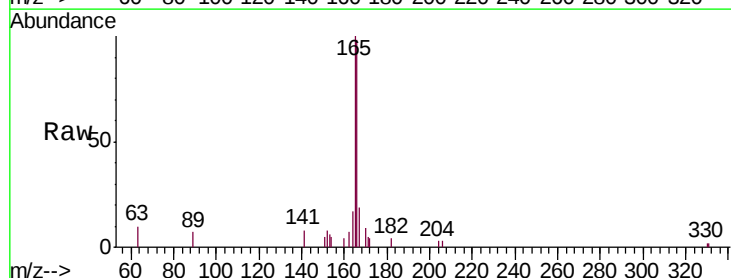
Tgt Ion:166 Resp: 3648

Ion Ratio Lower Upper

166 100

165 91.4 79.0 118.4

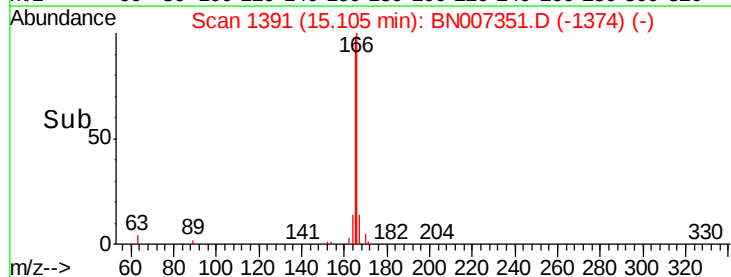
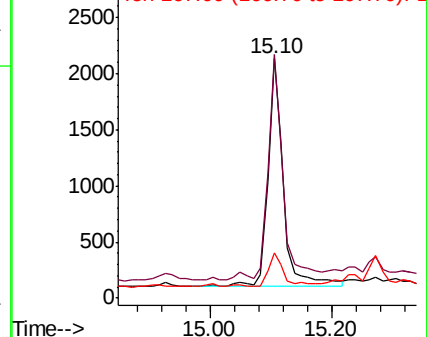
167 15.2 10.6 15.8

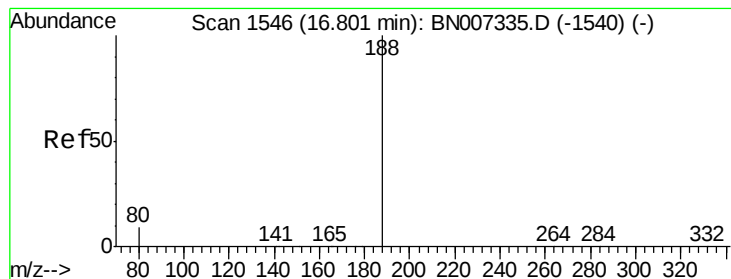


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.79 min Scan# 1546

Delta R.T. -0.01 min

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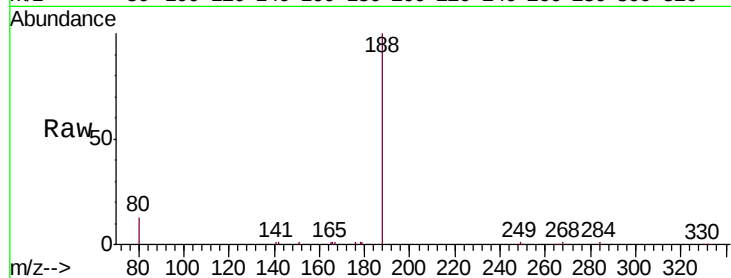
Tgt Ion:188 Resp: 27272

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

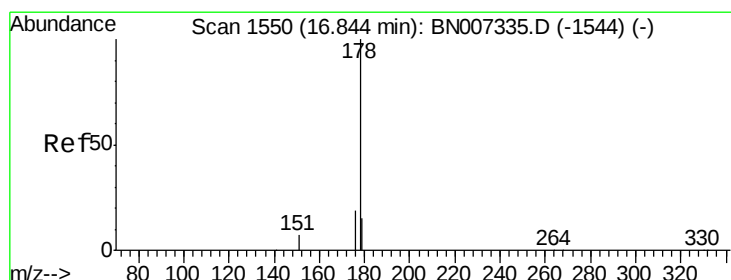
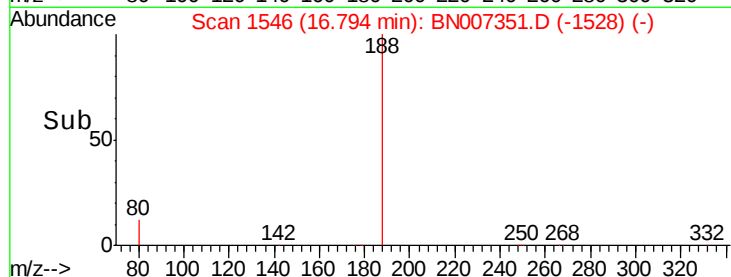
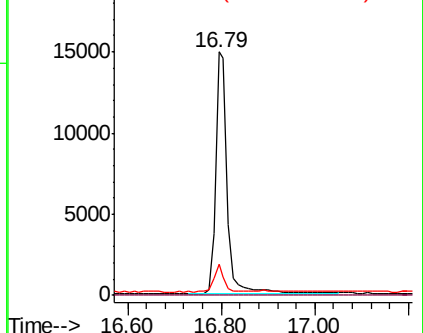
80 13.0 11.8 17.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#23

Phenanthrene

Concen: 1.035 ng

RT: 16.84 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BN007351.D

Acq: 24 Aug 2019 05:50

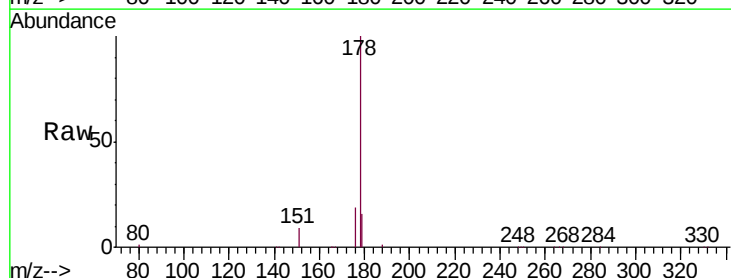
Tgt Ion:178 Resp: 84938

Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

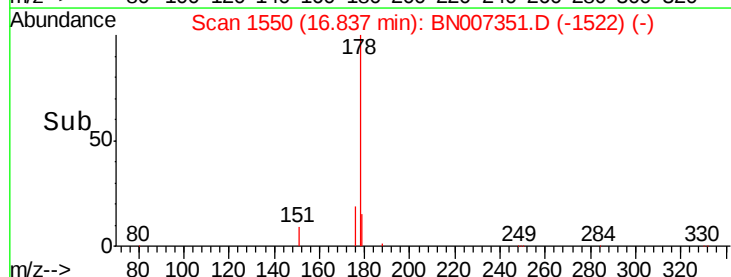
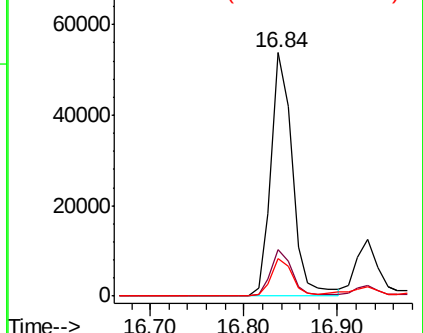
179 15.0 12.6 19.0

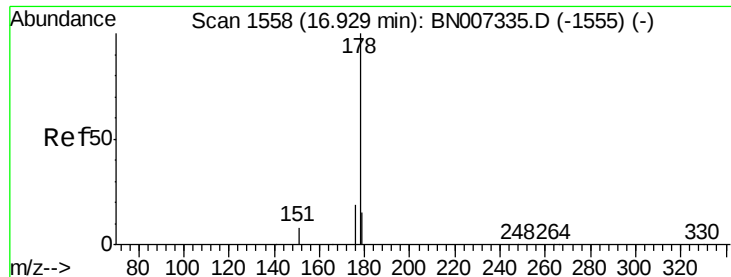


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.204 ng

RT: 16.93 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BN007351.D

Acq: 24 Aug 2019 05:50

Instrument :

BNA_N

ClientSampleId :

S701-N-0.0-0.5-082019DL

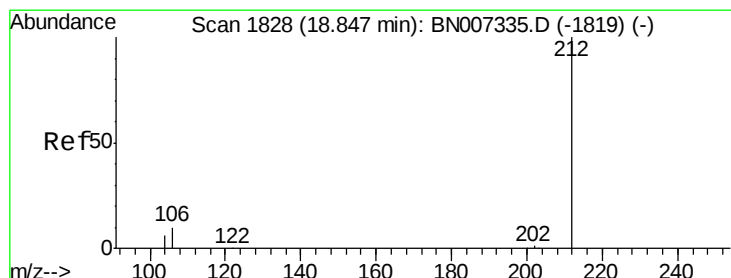
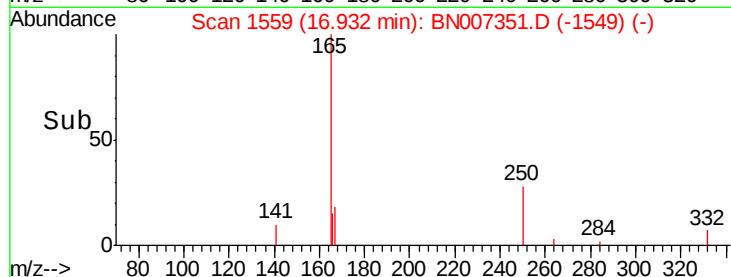
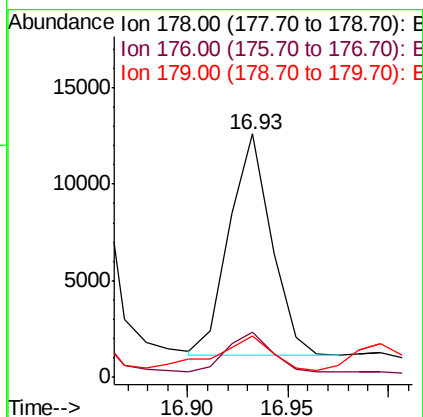
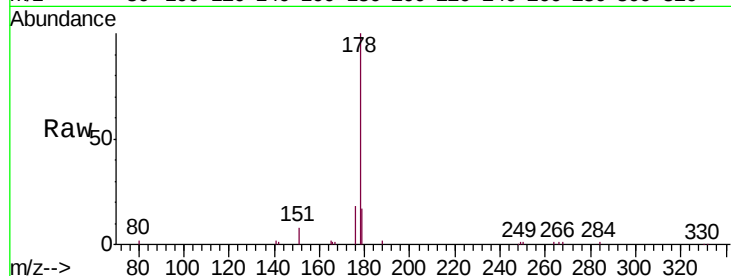
Tgt Ion:178 Resp: 16841

Ion Ratio Lower Upper

178 100

176 21.5 14.9 22.3

179 20.2 12.4 18.6#



#25

Fluoranthene-d10

Concen: 0.026 ng

RT: 18.84 min Scan# 1829

Delta R.T. -0.00 min

Lab File: BN007351.D

Acq: 24 Aug 2019 05:50

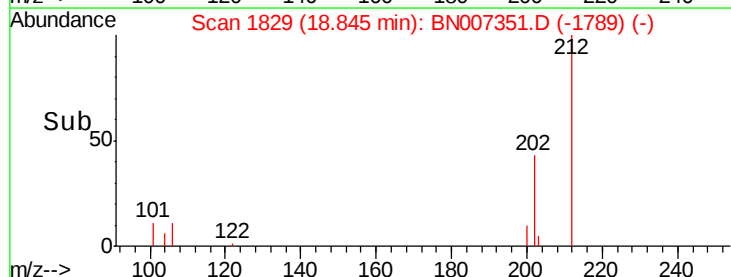
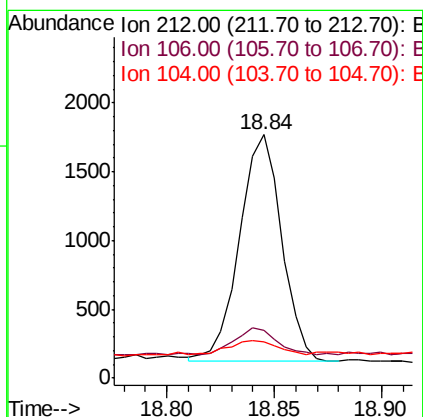
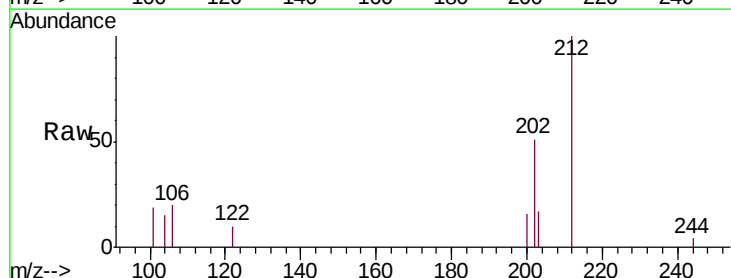
Tgt Ion:212 Resp: 2260

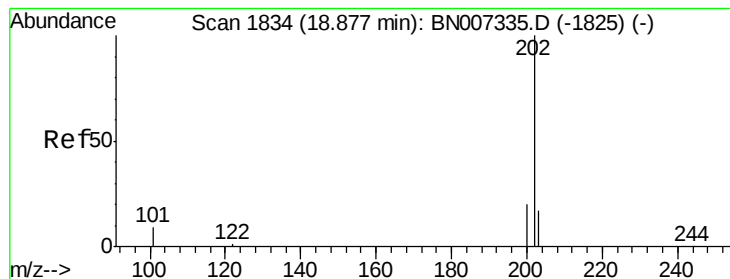
Ion Ratio Lower Upper

212 100

106 11.6 9.0 13.4

104 7.6 5.4 8.2





#26

Fluoranthene

Concen: 2.399 ng

RT: 18.87 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BN007351.D

Acq: 24 Aug 2019 05:50

Instrument :

BNA_N

ClientSampleId :

S701-N-0.0-0.5-082019DL

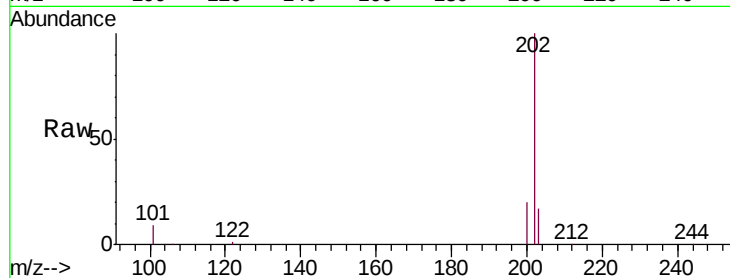
Tgt Ion: 202 Resp: 252685

Ion Ratio Lower Upper

202 100

101 9.5 7.7 11.5

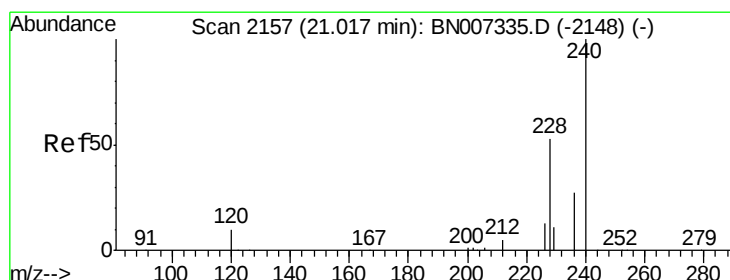
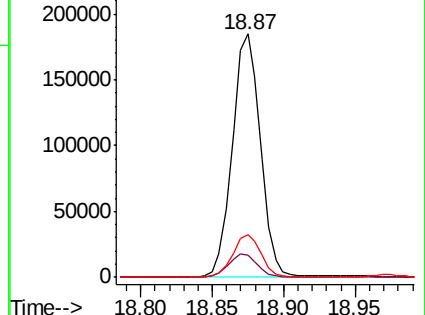
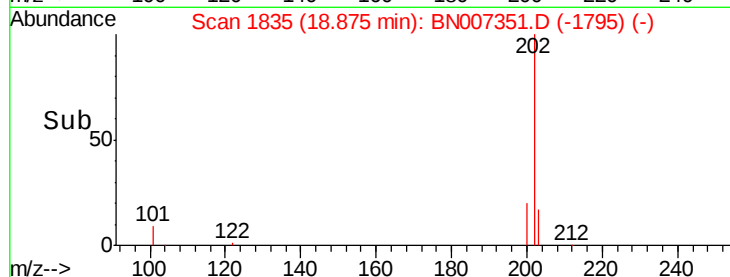
203 17.4 13.7 20.5



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: 21.02 min Scan# 2158

Delta R.T. -0.00 min

Lab File: BN007351.D

Acq: 24 Aug 2019 05:50

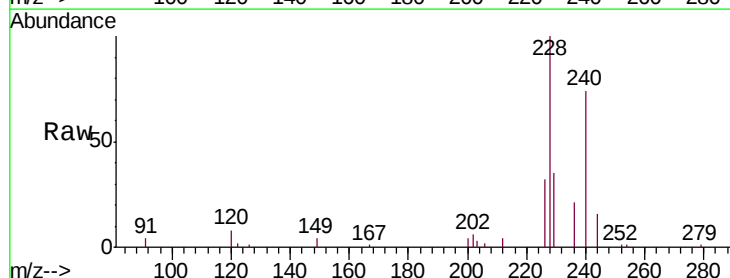
Tgt Ion: 240 Resp: 27302

Ion Ratio Lower Upper

240 100

120 10.3 9.6 14.4

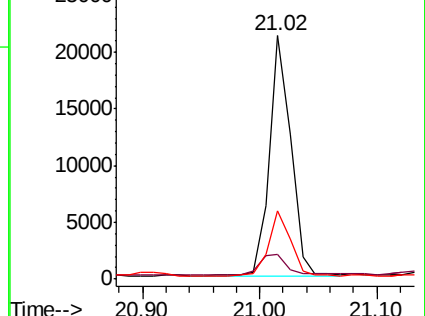
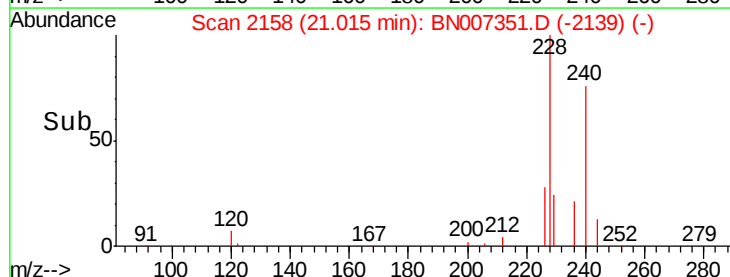
236 28.2 22.2 33.2

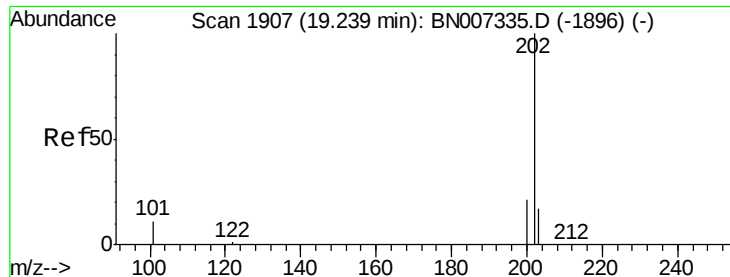


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

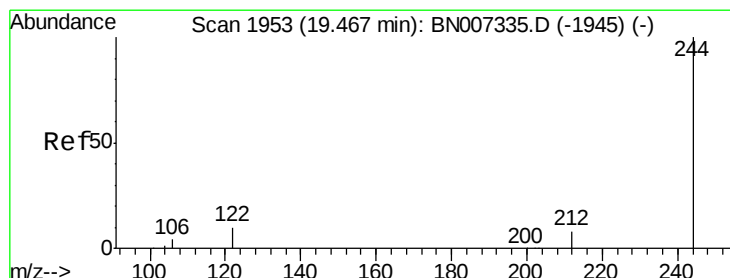
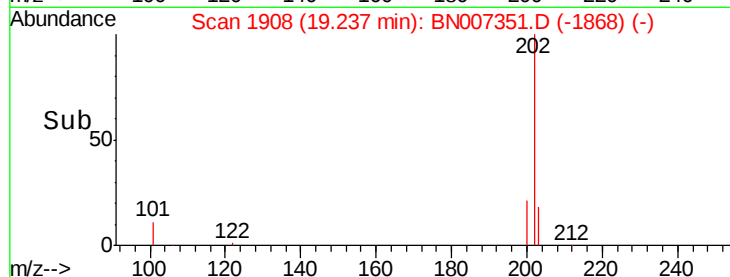
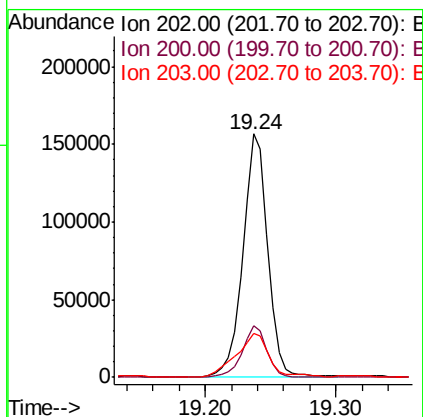
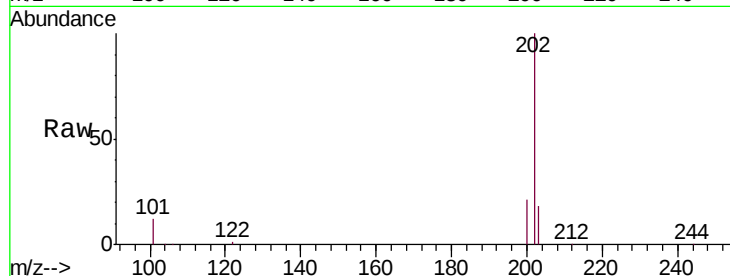




#28
 Pyrene
 Concen: 1.892 ng
 RT: 19.24 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: BN007351.D
 Acq: 24 Aug 2019 05:50

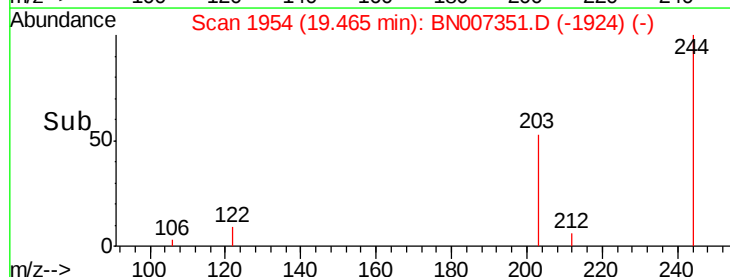
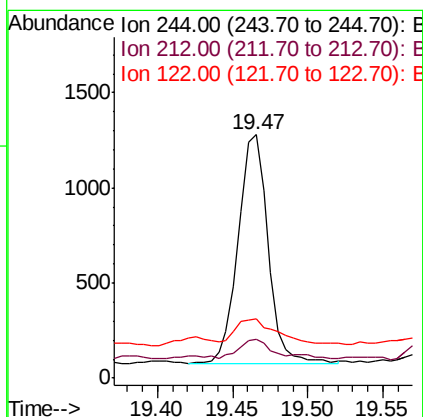
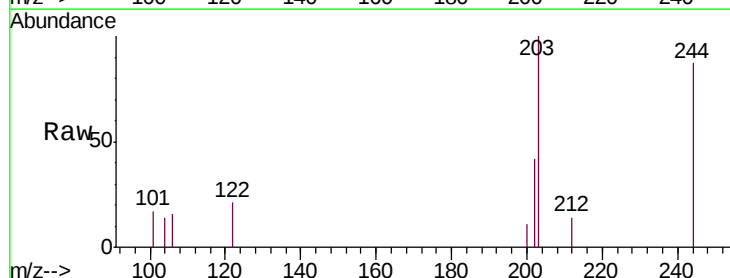
Instrument :
 BNA_N
 ClientSampleId :
 S701-N-0.0-0.5-082019DL

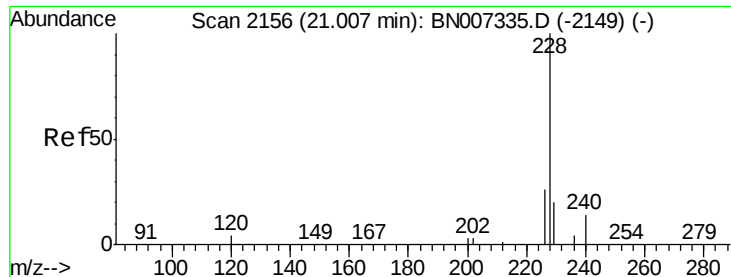
Tgt Ion: 202 Resp: 207779
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.6 25.0
 203 23.0 14.2 21.4#



#29
 Terphenyl-d14
 Concen: 0.024 ng
 RT: 19.47 min Scan# 1954
 Delta R.T. -0.00 min
 Lab File: BN007351.D
 Acq: 24 Aug 2019 05:50

Tgt Ion: 244 Resp: 1685
 Ion Ratio Lower Upper
 244 100
 212 15.8 7.0 10.6#
 122 24.5 9.6 14.4#





#30

Benzo(a)anthracene

Concen: 1.411 ng

RT: 21.00 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BN007351.D

Acq: 24 Aug 2019 05:50

Instrument :

BNA_N

ClientSampleId :

S701-N-0.0-0.5-082019DL

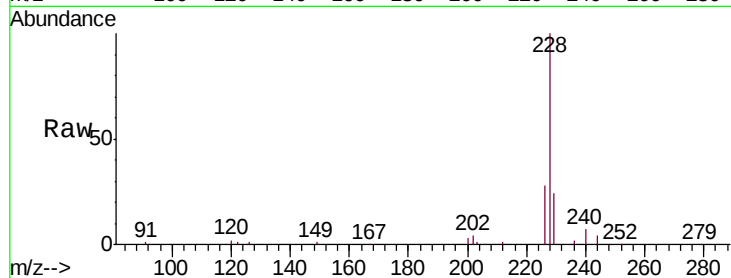
Tgt Ion:228 Resp: 151248

Ion Ratio Lower Upper

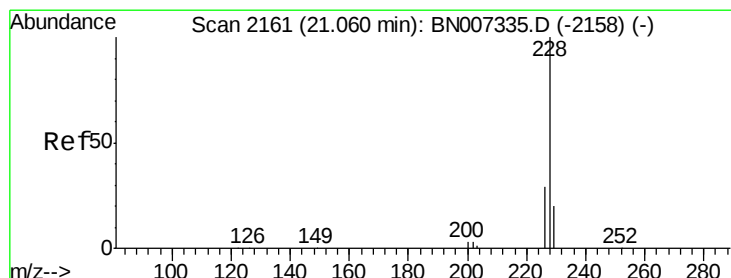
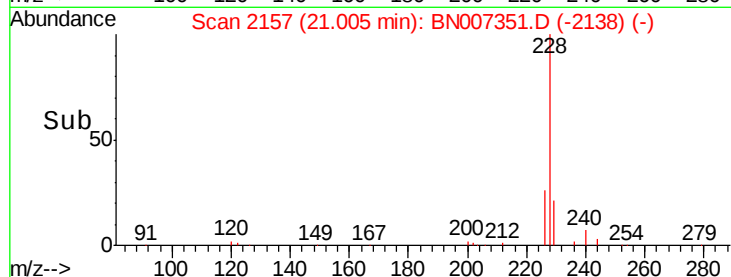
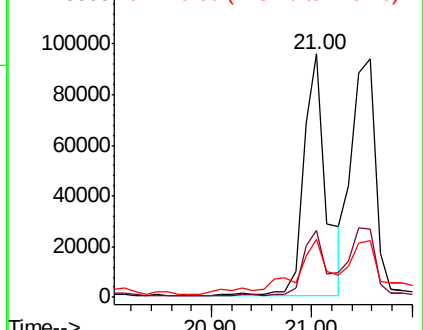
228 100

226 27.5 21.3 31.9

229 24.0 16.1 24.1



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



#31

Chrysene

Concen: 1.492 ng

RT: 21.06 min Scan# 2162

Delta R.T. -0.00 min

Lab File: BN007351.D

Acq: 24 Aug 2019 05:50

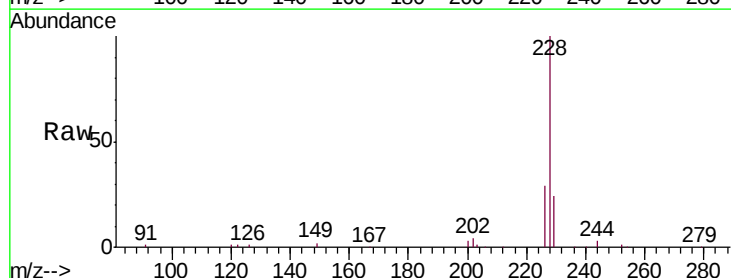
Tgt Ion:228 Resp: 154369

Ion Ratio Lower Upper

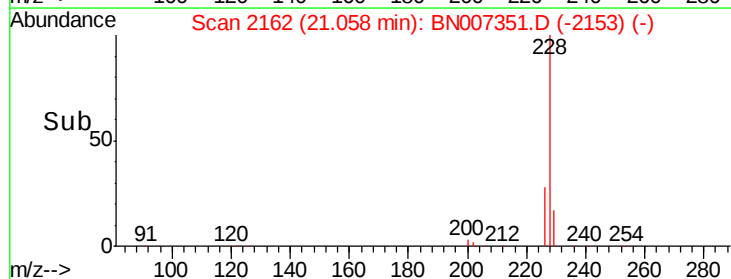
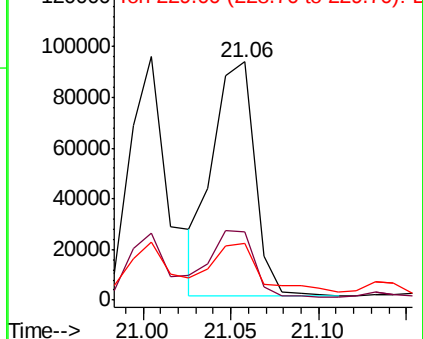
228 100

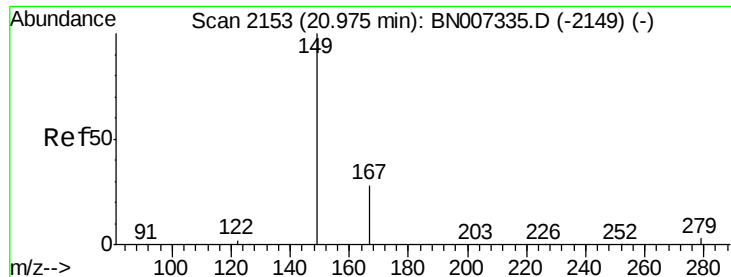
226 28.7 23.5 35.3

229 23.9 16.6 24.8



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: 0.090 ng

RT: 20.97 min Scan# 2154

Delta R.T. -0.00 min

Lab File: BN007351.D

Acq: 24 Aug 2019 05:50

Instrument :

BNA_N

ClientSampleId :

S701-N-0.0-0.5-082019DL

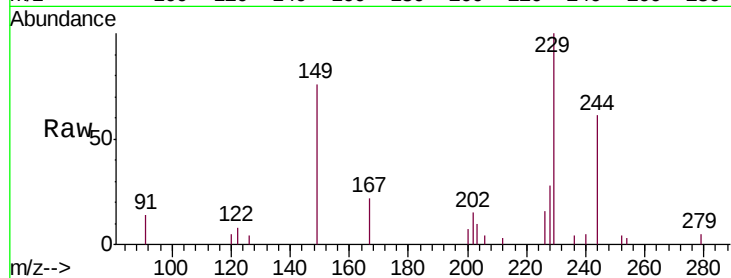
Tgt Ion:149 Resp: 7554

Ion Ratio Lower Upper

149 100

167 26.7 22.8 34.2

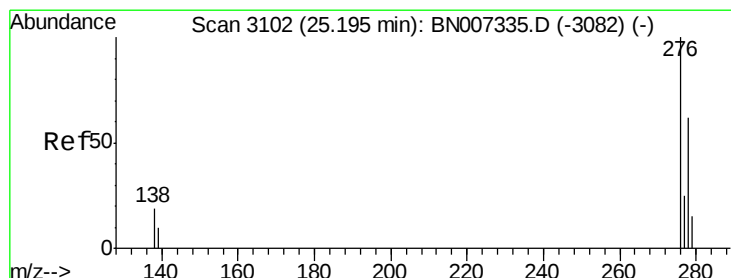
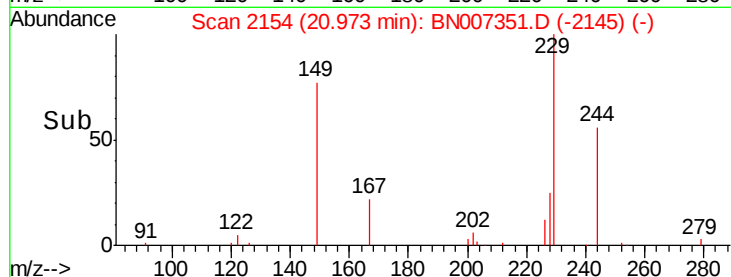
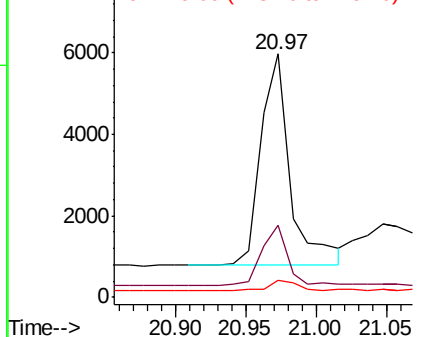
279 5.3 3.5 5.3#



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



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.770 ng

RT: 25.18 min Scan# 3100

Delta R.T. -0.01 min

Lab File: BN007351.D

Acq: 24 Aug 2019 05:50

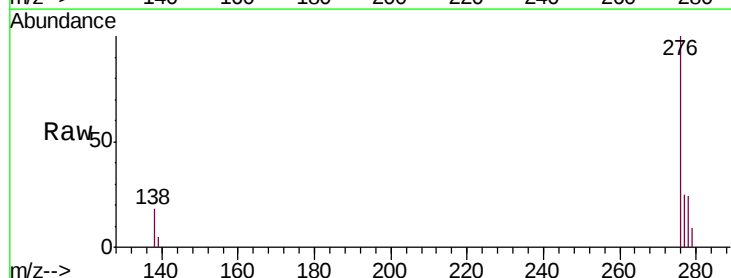
Tgt Ion:276 Resp: 96028

Ion Ratio Lower Upper

276 100

138 17.8 15.1 22.7

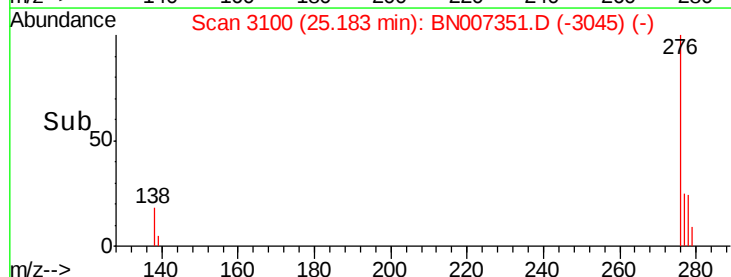
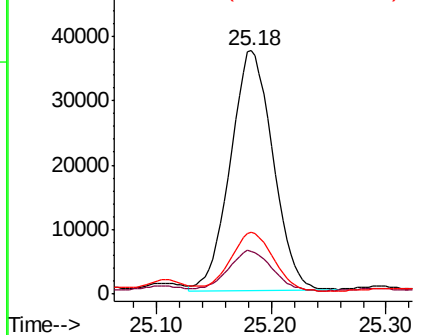
277 25.1 19.7 29.5

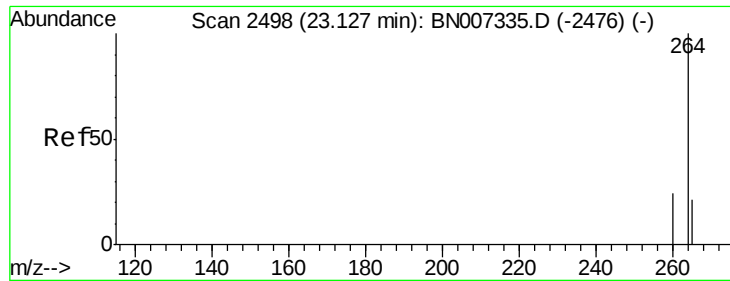


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#34

Perylene-d12

Concen: 0.400 ng

RT: 23.12 min Scan# 2498

Delta R.T. -0.01 min

Lab File: BN007351.D

Acq: 24 Aug 2019 05:50

Instrument :

BNA_N

ClientSampleId :

S701-N-0.0-0.5-082019DL

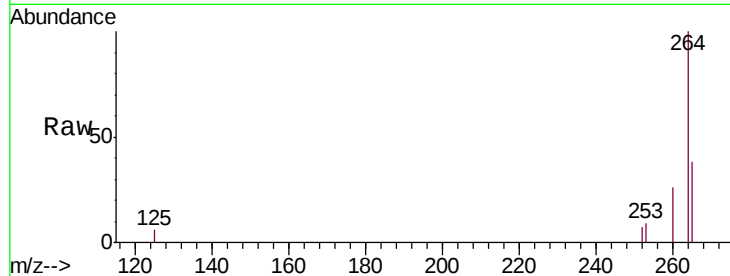
Tgt Ion:264 Resp: 29724

Ion Ratio Lower Upper

264 100

260 25.8 19.7 29.5

265 38.4 29.9 44.9

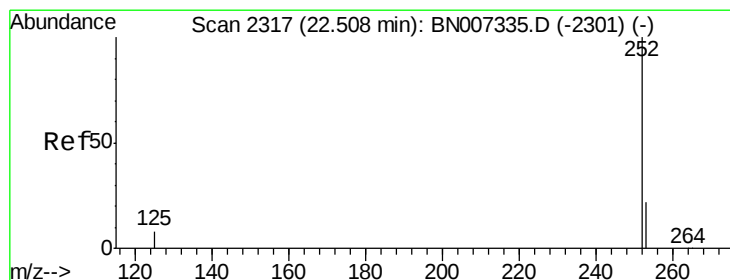
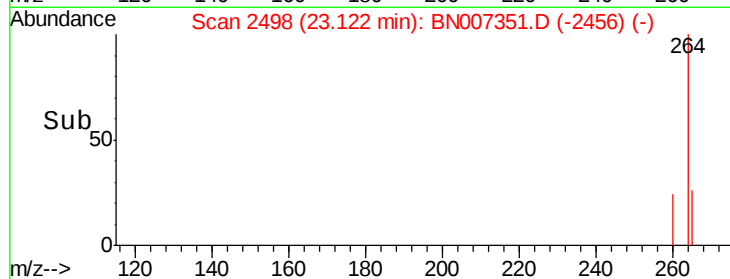
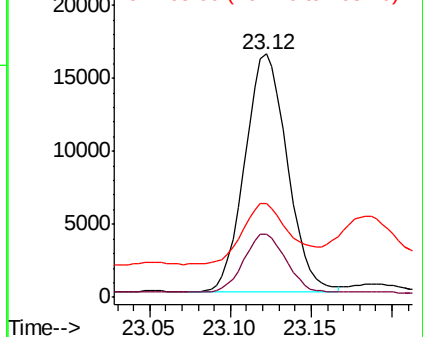


Abundance

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: 1.783 ng

RT: 22.51 min Scan# 2318

Delta R.T. -0.00 min

Lab File: BN007351.D

Acq: 24 Aug 2019 05:50

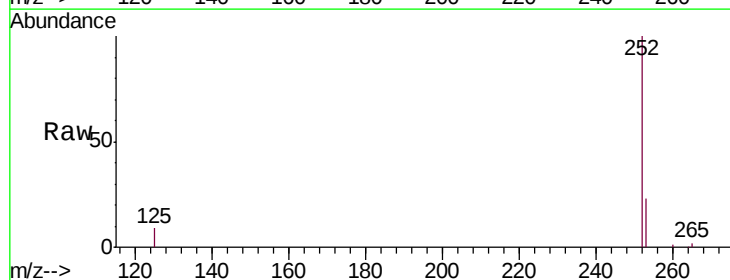
Tgt Ion:252 Resp: 192046

Ion Ratio Lower Upper

252 100

253 23.3 19.2 28.8

125 9.0 10.6 16.0#

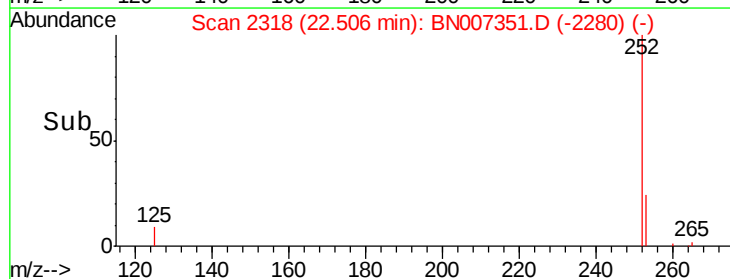
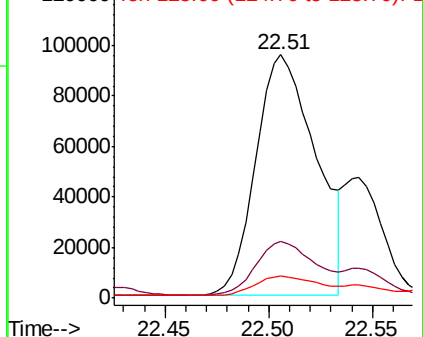


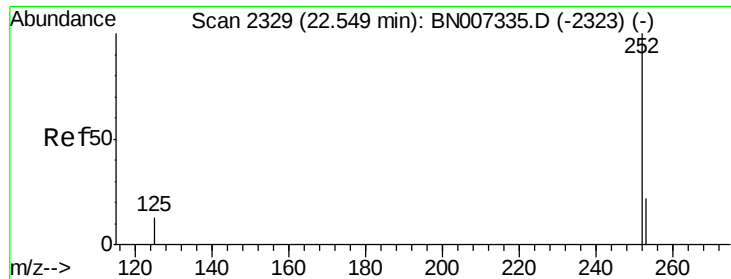
Abundance

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

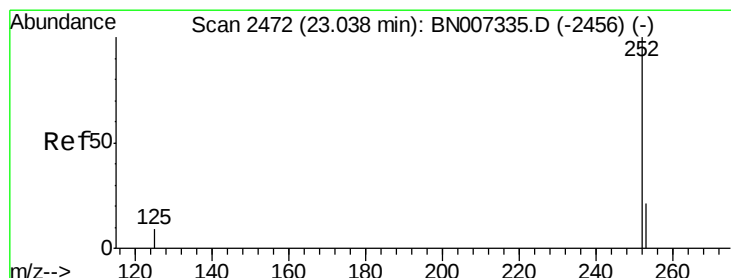
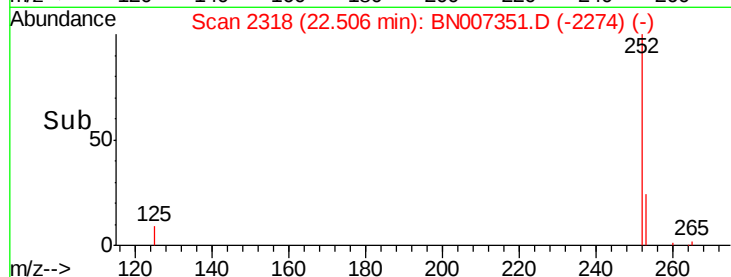
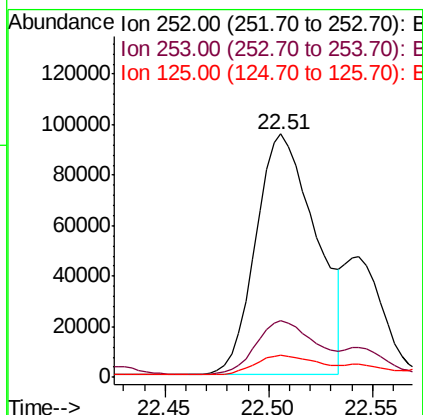
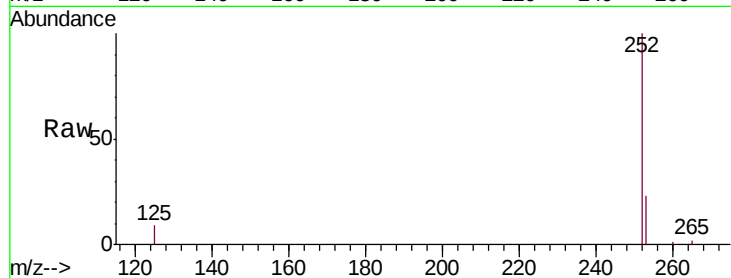




#36
Benzo(k)fluoranthene
Concen: 1.804 ng
RT: 22.51 min Scan# 2318
Delta R.T. -0.04 min
Lab File: BN007351.D
Acq: 24 Aug 2019 05:50

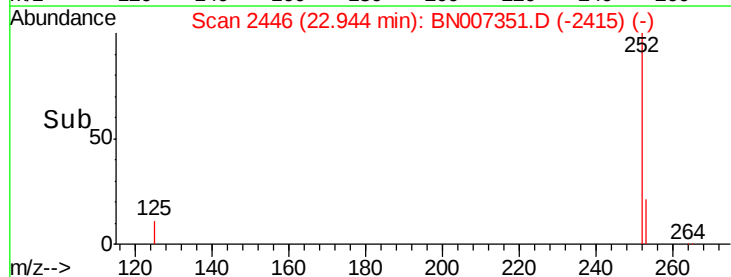
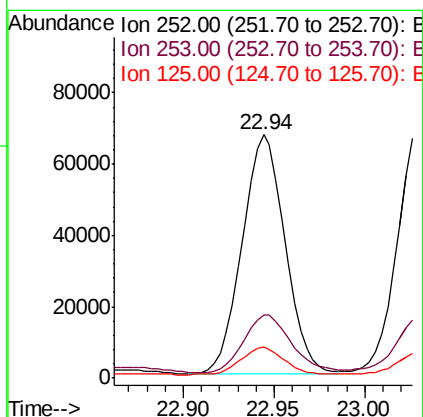
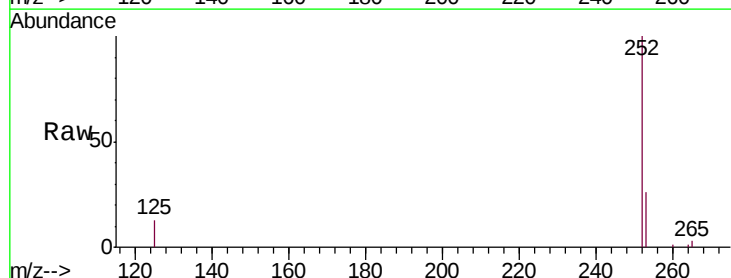
Instrument :
BNA_N
ClientSampleId :
S701-N-0.0-0.5-082019DL

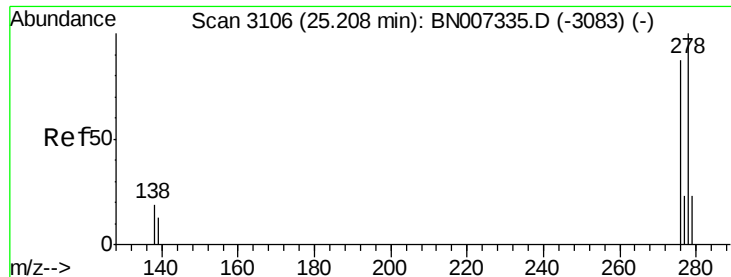
Tgt Ion:252 Resp: 192046
Ion Ratio Lower Upper
252 100
253 23.3 19.4 29.2
125 9.0 13.1 19.7#



#37
Benzo(a)pyrene
Concen: 1.074 ng
RT: 22.94 min Scan# 2446
Delta R.T. -0.09 min
Lab File: BN007351.D
Acq: 24 Aug 2019 05:50

Tgt Ion:252 Resp: 110040
Ion Ratio Lower Upper
252 100
253 25.8 19.5 29.3
125 12.6 12.1 18.1





#38

Dibenzo(a,h)anthracene

Concen: 0.265 ng

RT: 25.19 min Scan# 3101

Delta R.T. -0.02 min

Lab File: BN007351.D

Acq: 24 Aug 2019 05:50

Instrument :

BNA_N

ClientSampleId :

S701-N-0.0-0.5-082019DL

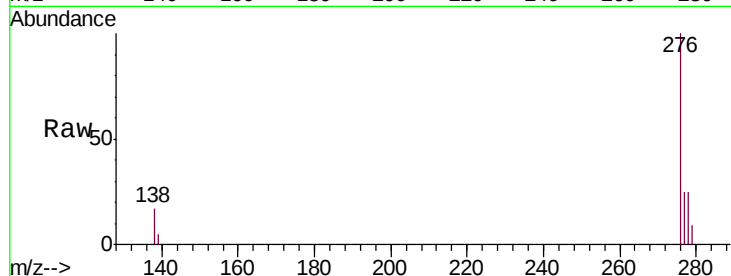
Tgt Ion: 278 Resp: 27143

Ion Ratio Lower Upper

278 100

139 18.8 13.7 20.5

279 35.1 20.2 30.4#

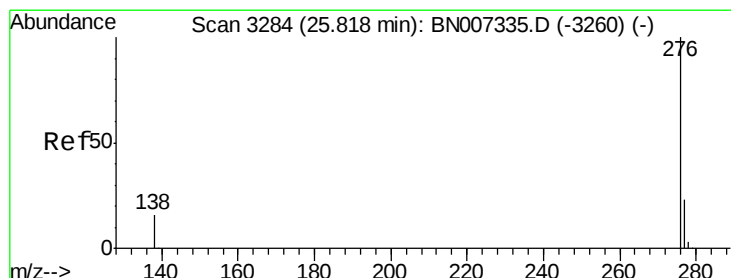
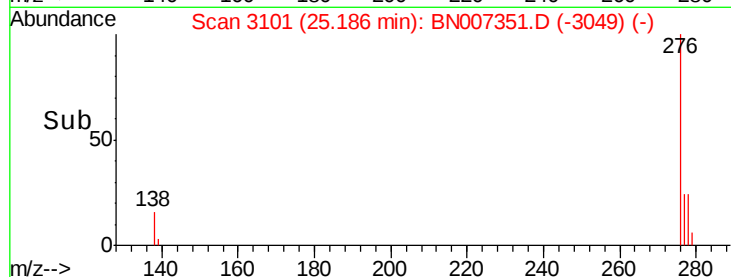
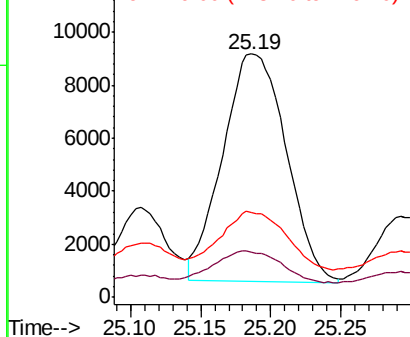


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#39

Benzo(g,h,i)perylene

Concen: 0.970 ng

RT: 25.81 min Scan# 3283

Delta R.T. -0.01 min

Lab File: BN007351.D

Acq: 24 Aug 2019 05:50

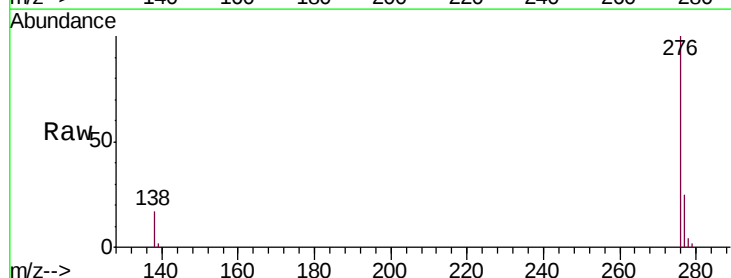
Tgt Ion: 276 Resp: 98851

Ion Ratio Lower Upper

276 100

277 24.9 19.6 29.4

138 17.5 16.3 24.5



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

