

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082419\
 Data File : BN007361.D
 Acq On : 24 Aug 2019 13:43
 Operator : HP/JU
 Sample : K4443-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S701-N-1.0-1.5-082019

Quant Time: Aug 24 23:40:34 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	7199	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	30519	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	16745	0.40	ng	0.00
19) Phenanthrene-d10	16.80	188	36778	0.40	ng	0.00
27) Chrysene-d12	21.03	240	38137	0.40	ng	0.00
34) Perylene-d12	23.13	264	42438	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.04	112	5950	0.23	ng	0.00
5) Phenol-d6	6.59	99	7664	0.23	ng	0.00
8) Nitrobenzene-d5	8.53	82	5762	0.22	ng	0.00
11) 2-Methylnaphthalene-d10	11.76	152	11857	0.23	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	1762	0.20	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	14715	0.22	ng	0.00
25) Fluoranthene-d10	18.84	212	27048	0.23	ng	0.00
29) Terphenyl-d14	19.47	244	20162	0.20	ng	0.00

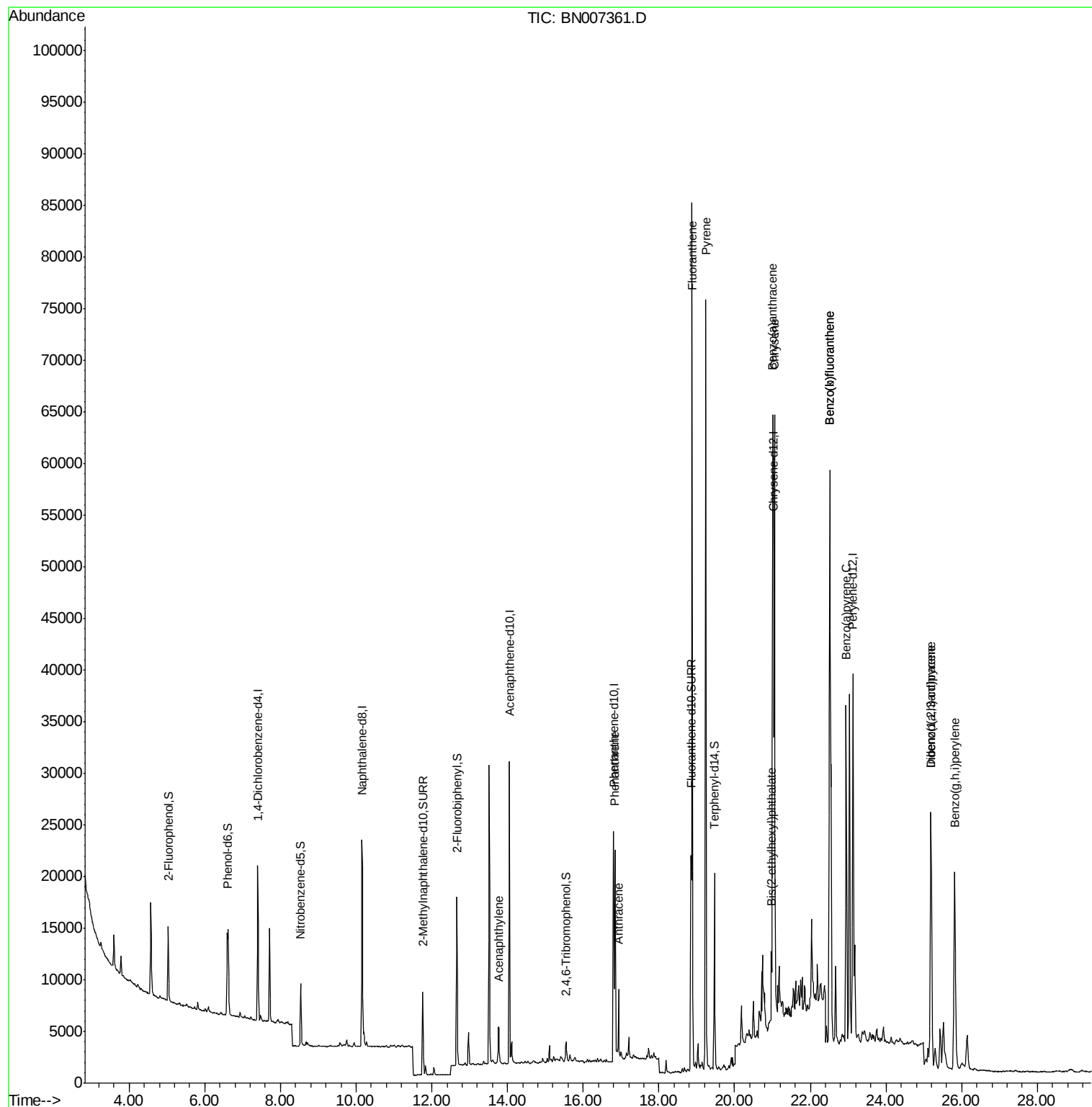
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acenaphthylene	13.76	152	5460	0.055	ng	99
23) Phenanthrene	16.84	178	21994	0.199	ng	100
24) Anthracene	16.93	178	7781	0.070	ng	99
26) Fluoranthene	18.87	202	77651	0.547	ng	100
28) Pyrene	19.24	202	69263	0.451	ng	# 96
30) Benzo(a)anthracene	21.00	228	45111	0.301	ng	96
31) Chrysene	21.06	228	53603	0.371	ng	98
32) Bis(2-ethylhexyl)phthalate	20.97	149	4286	0.025	ng	99
33) Indeno(1,2,3-cd)pyrene	25.19	276	37535	0.216	ng	98
35) Benzo(b)fluoranthene	22.51	252	84314	0.548	ng	# 96
36) Benzo(k)fluoranthene	22.51	252	84314	0.555	ng	# 92
37) Benzo(a)pyrene	22.95	252	41994	0.287	ng	99
38) Dibenzo(a,h)anthracene	25.20	278	10220	0.070	ng	# 86
39) Benzo(g,h,i)perylene	25.82	276	37231	0.256	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: BN007361.D

Acq: 24 Aug 2019 13:43

Instrument :

BNA_N

ClientSampleId :

S701-N-1.0-1.5-082019

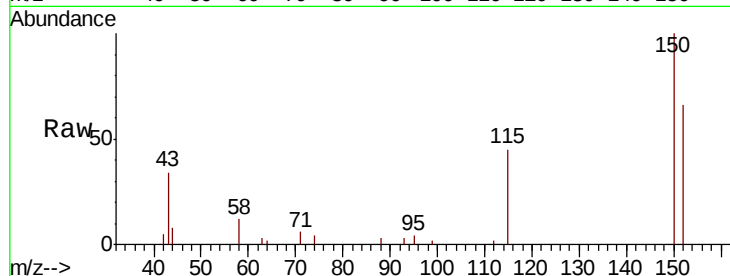
Tgt Ion:152 Resp: 7199

Ion Ratio Lower Upper

152 100

150 151.7 109.1 163.7

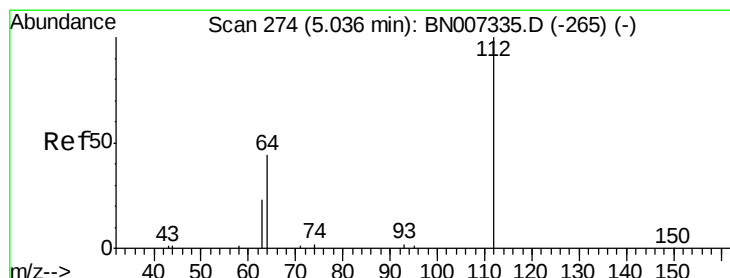
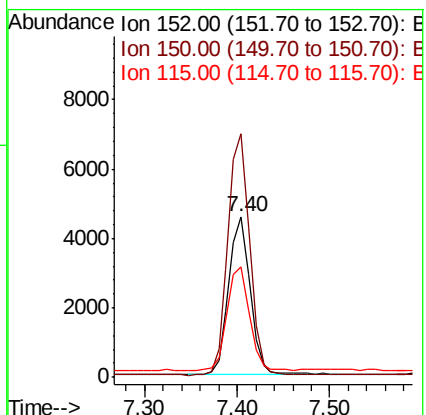
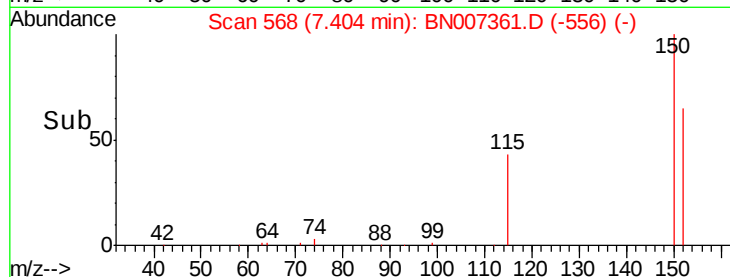
115 68.5 59.6 89.4



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: 0.226 ng

RT: 5.04 min Scan# 274

Delta R.T. 0.00 min

Lab File: BN007361.D

Acq: 24 Aug 2019 13:43

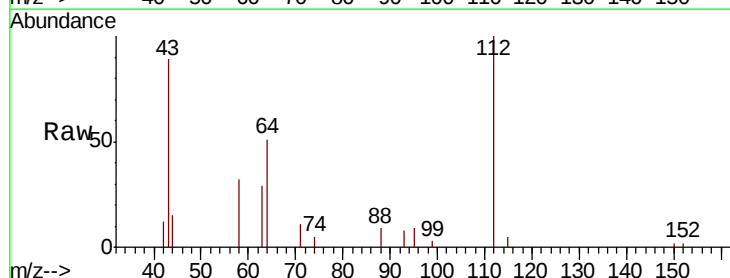
Tgt Ion:112 Resp: 5950

Ion Ratio Lower Upper

112 100

64 52.2 42.3 63.5

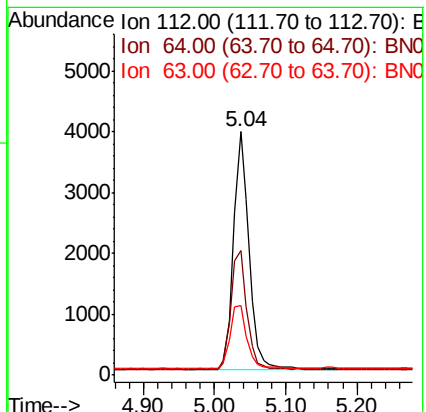
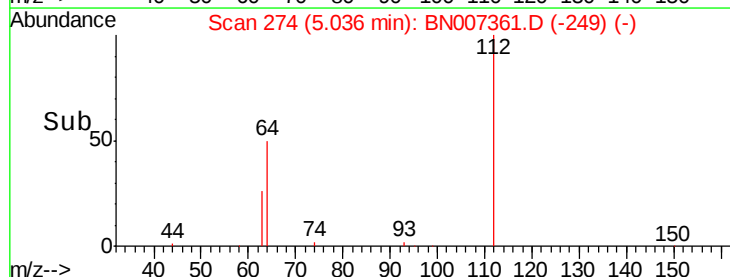
63 29.7 23.6 35.4



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: 0.228 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007361.D

Acq: 24 Aug 2019 13:43

Instrument :

BNA_N

ClientSampleId :

S701-N-1.0-1.5-082019

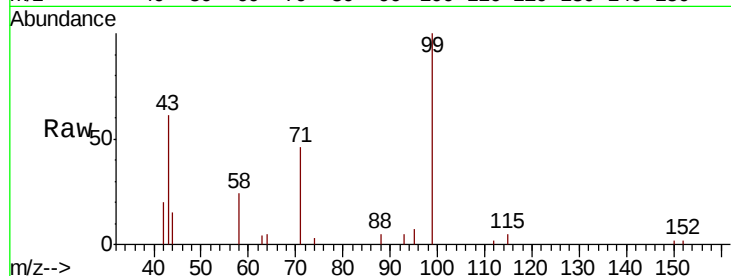
Tgt Ion: 99 Resp: 7664

Ion Ratio Lower Upper

99 100

42 15.6 11.2 16.8

71 37.7 31.8 47.8

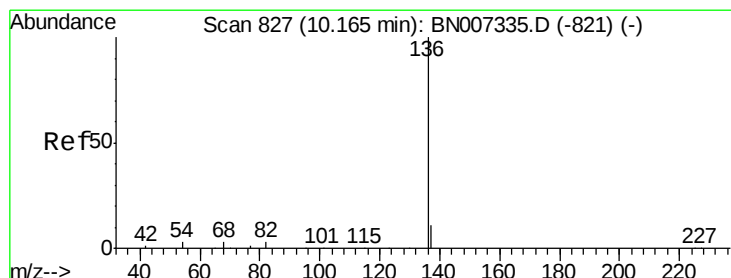
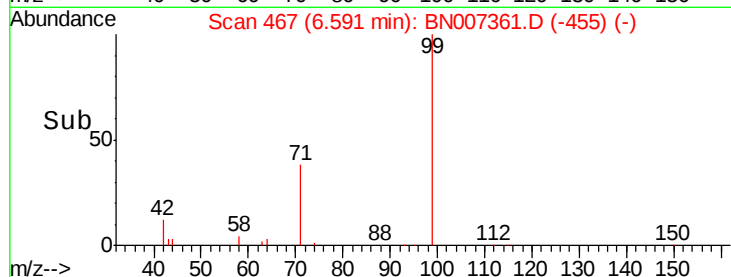
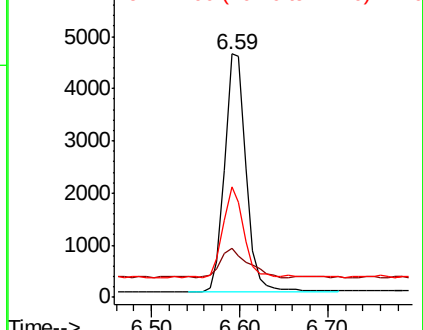


Abundance

Ion 99.00 (98.70 to 99.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 71.00 (70.70 to 71.70): BN0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007361.D

Acq: 24 Aug 2019 13:43

Tgt Ion: 136 Resp: 30519

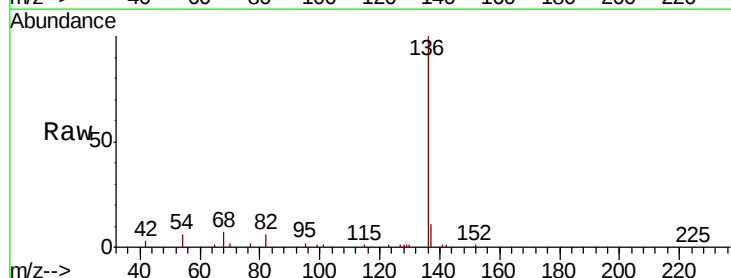
Ion Ratio Lower Upper

136 100

137 11.4 12.9 19.3#

54 6.0 8.6 12.8#

68 7.2 17.0 25.4#



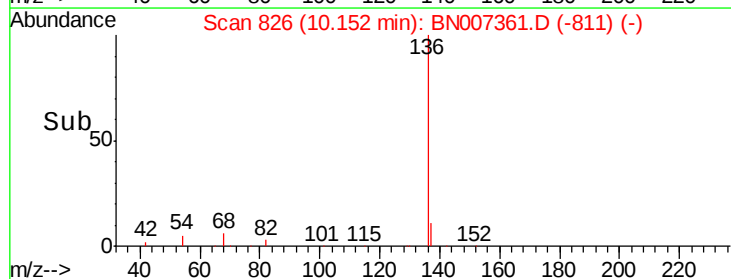
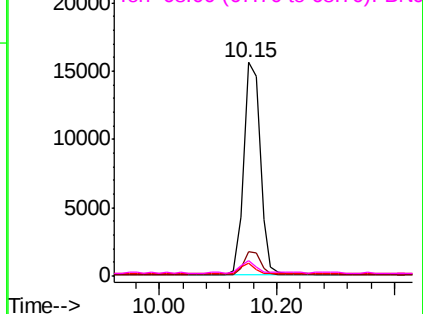
Abundance

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): BN0

Ion 68.00 (67.70 to 68.70): BN0

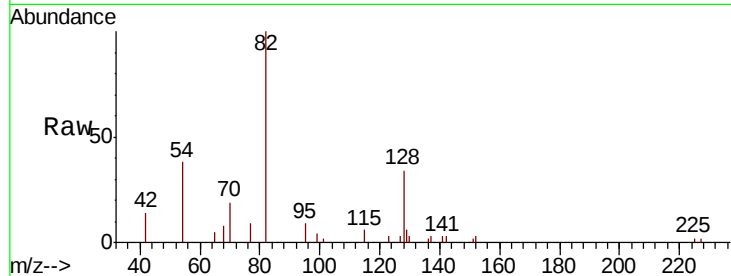




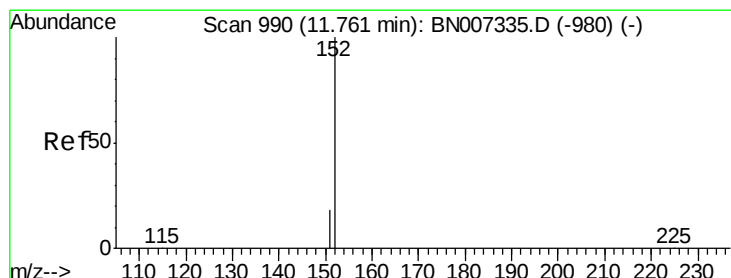
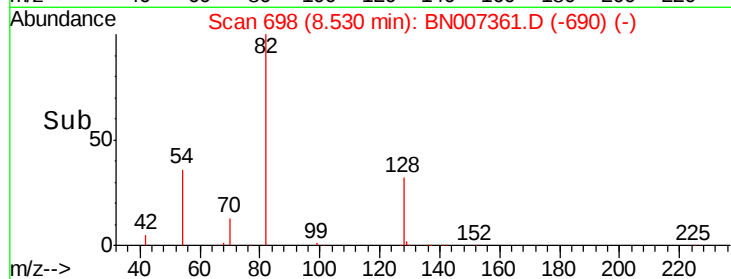
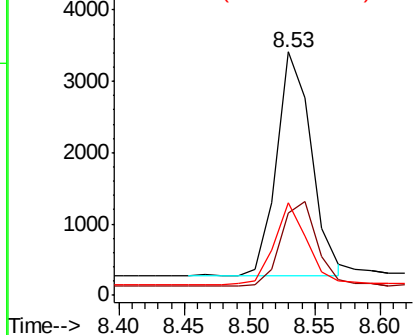
#8
 Nitrobenzene-d5
 Concen: 0.217 ng
 RT: 8.53 min Scan# 698
 Delta R.T. -0.00 min
 Lab File: BN007361.D
 Acq: 24 Aug 2019 13:43

Instrument :
 BNA_N
 ClientSampleId :
 S701-N-1.0-1.5-082019

Tgt Ion: 82 Resp: 5762
 Ion Ratio Lower Upper
 82 100
 128 33.9 19.7 29.5#
 54 37.9 25.8 38.6

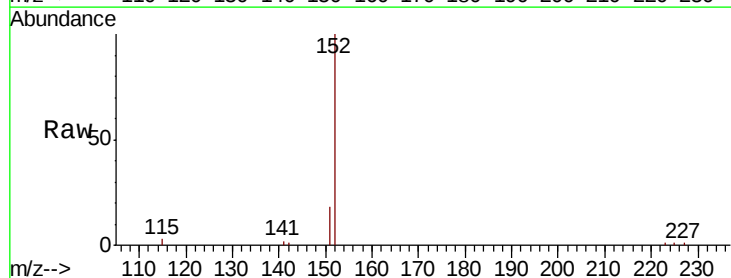


Abundance Ion 82.00 (81.70 to 82.70): BN0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BN0

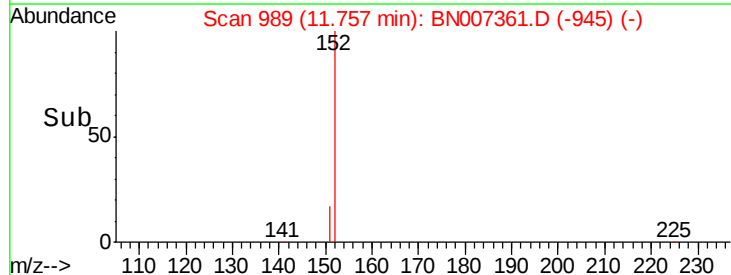
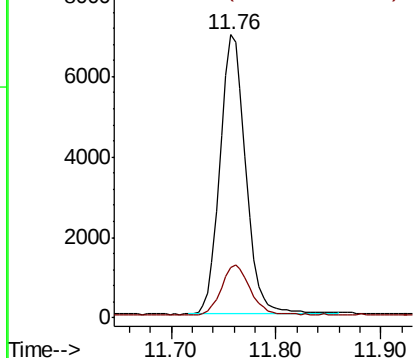


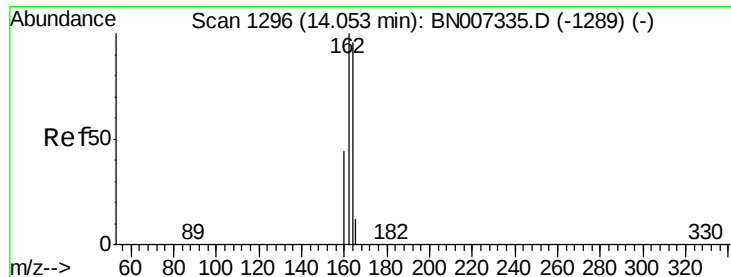
#11
 2-Methylnaphthalene-d10
 Concen: 0.234 ng
 RT: 11.76 min Scan# 989
 Delta R.T. -0.00 min
 Lab File: BN007361.D
 Acq: 24 Aug 2019 13:43

Tgt Ion: 152 Resp: 11857
 Ion Ratio Lower Upper
 152 100
 151 19.6 16.2 24.2



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: 14.05 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BN007361.D

Acq: 24 Aug 2019 13:43

Instrument :

BNA_N

ClientSampleId :

S701-N-1.0-1.5-082019

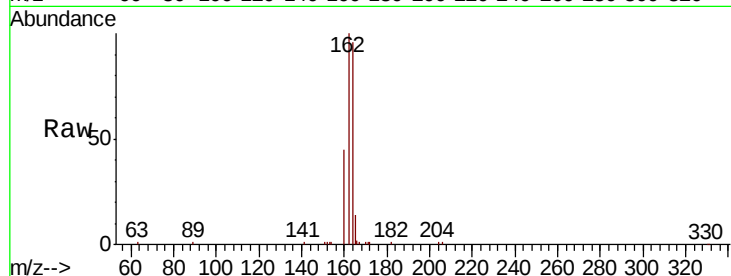
Tgt Ion:164 Resp: 16745

Ion Ratio Lower Upper

164 100

162 104.4 83.5 125.3

160 46.6 38.2 57.4

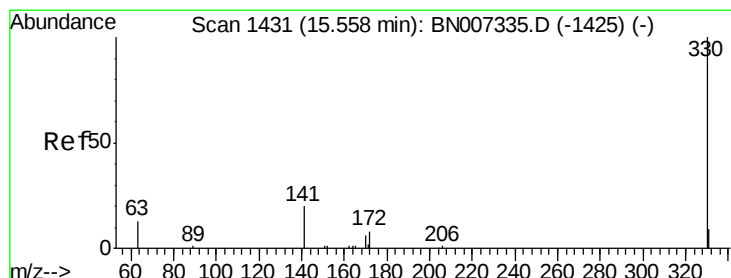
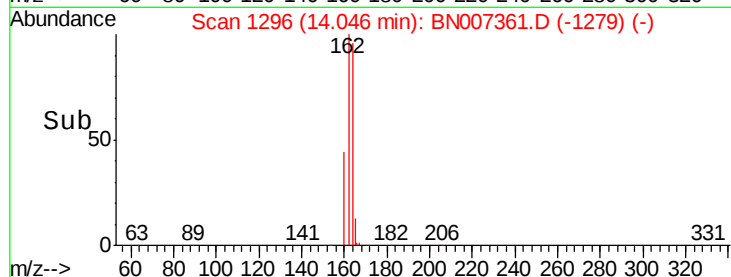
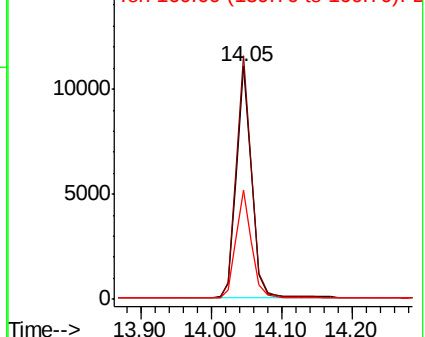


Abundance

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: 0.201 ng

RT: 15.55 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BN007361.D

Acq: 24 Aug 2019 13:43

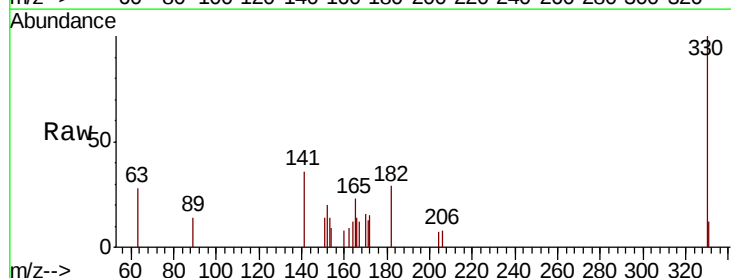
Tgt Ion:330 Resp: 1762

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 34.1 26.9 40.3

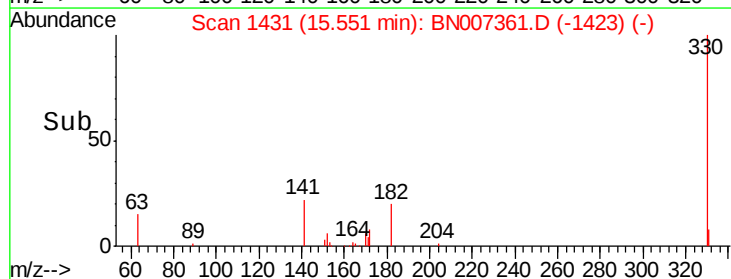
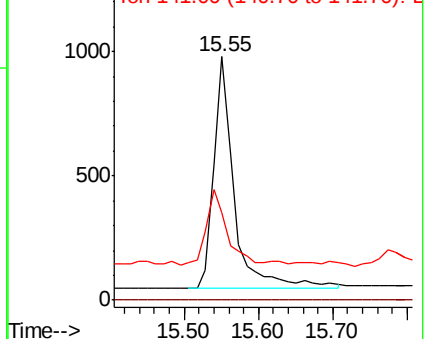


Abundance

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

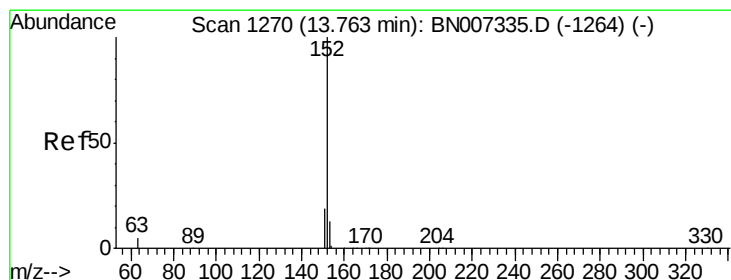
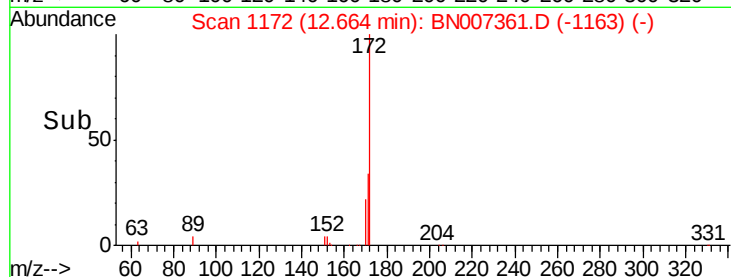
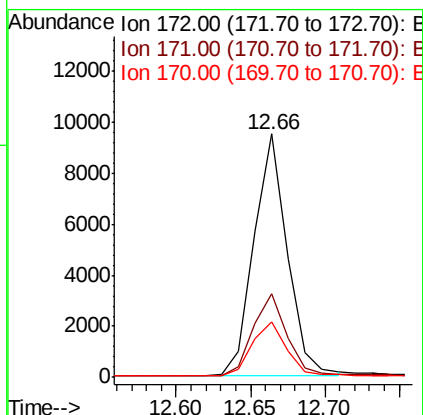
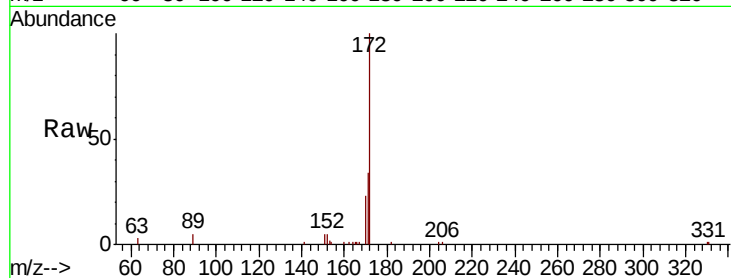




#15
2-Fluorobiphenyl
Concen: 0.218 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

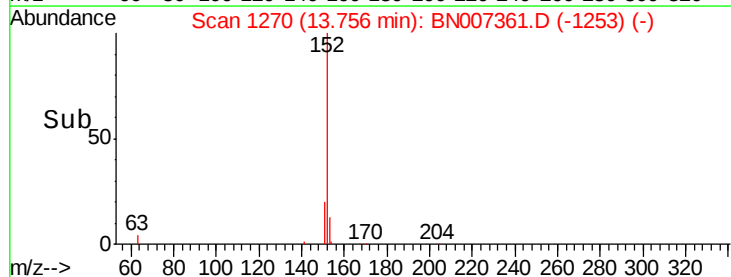
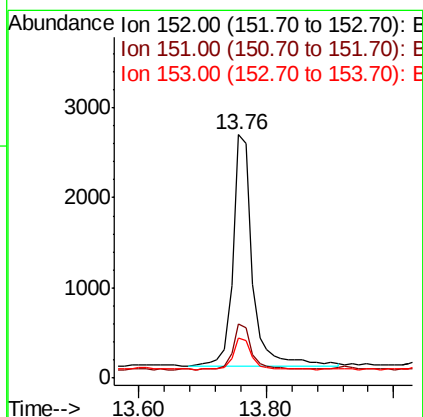
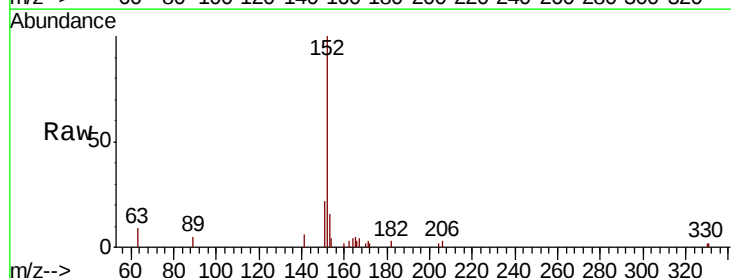
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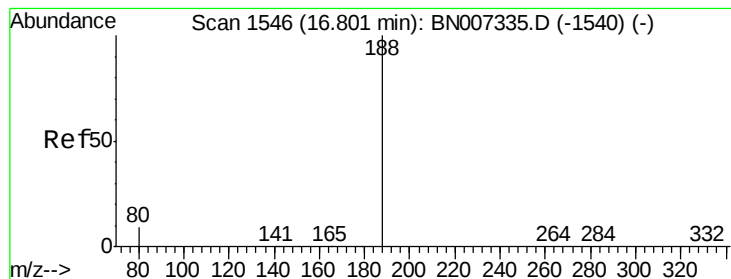
Tgt Ion:172 Resp: 14715
Ion Ratio Lower Upper
172 100
171 34.3 30.3 45.5
170 22.8 20.7 31.1



#16
Acenaphthylene
Concen: 0.055 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

Tgt Ion:152 Resp: 5460
Ion Ratio Lower Upper
152 100
151 19.5 16.1 24.1
153 13.9 10.6 15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.80 min Scan# 1547

Delta R.T. 0.00 min

Lab File: BN007361.D

Acq: 24 Aug 2019 13:43

Instrument :

BNA_N

ClientSampleId :

S701-N-1.0-1.5-082019

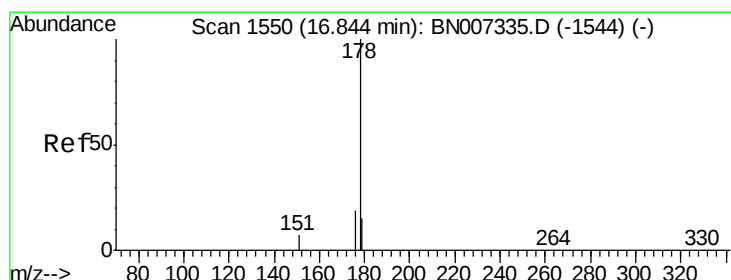
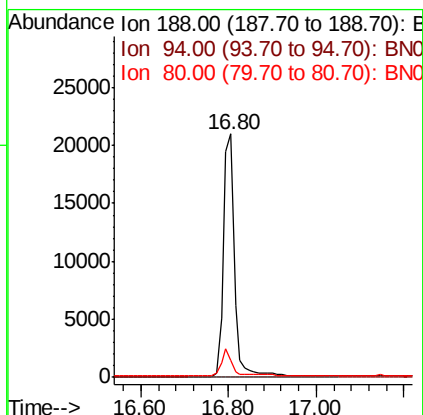
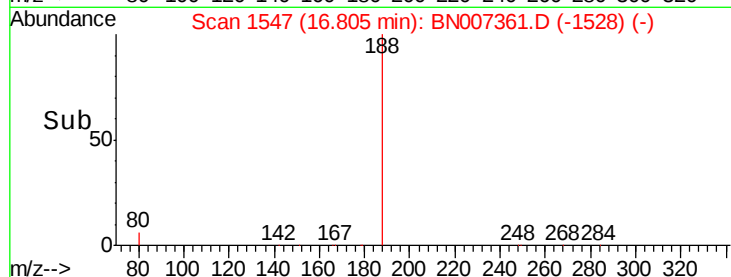
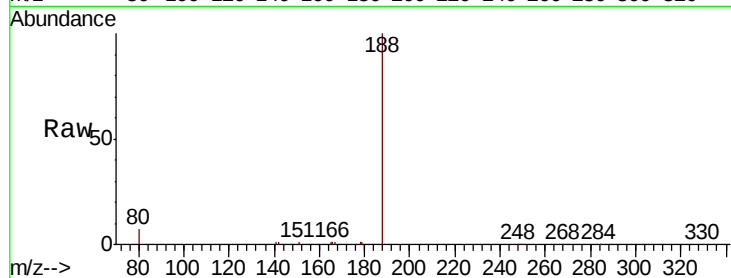
Tgt Ion:188 Resp: 36778

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 6.9 11.8 17.8#



#23

Phenanthrene

Concen: 0.199 ng

RT: 16.84 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BN007361.D

Acq: 24 Aug 2019 13:43

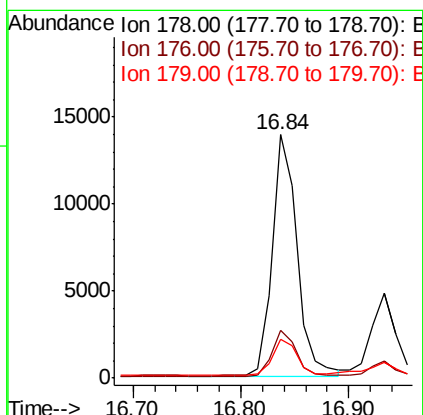
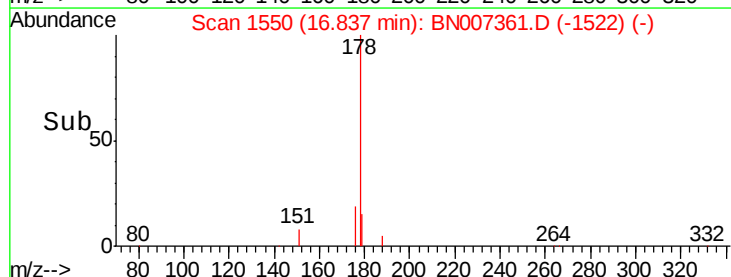
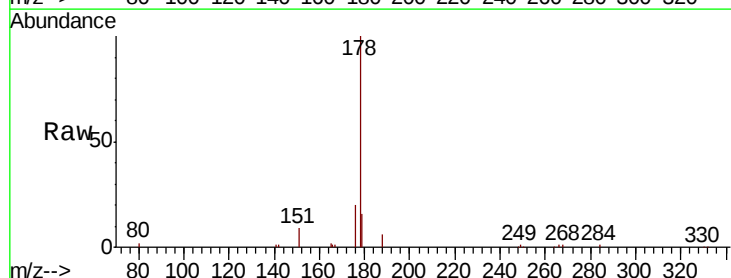
Tgt Ion:178 Resp: 21994

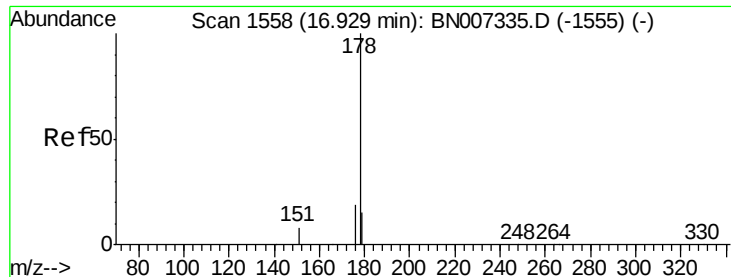
Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 15.6 12.6 19.0





#24

Anthracene

Concen: 0.070 ng

RT: 16.93 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BN007361.D

Acq: 24 Aug 2019 13:43

Instrument :

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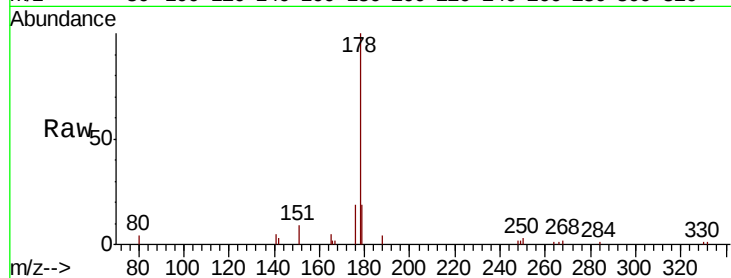
Tgt Ion:178 Resp: 7781

Ion Ratio Lower Upper

178 100

176 17.9 14.9 22.3

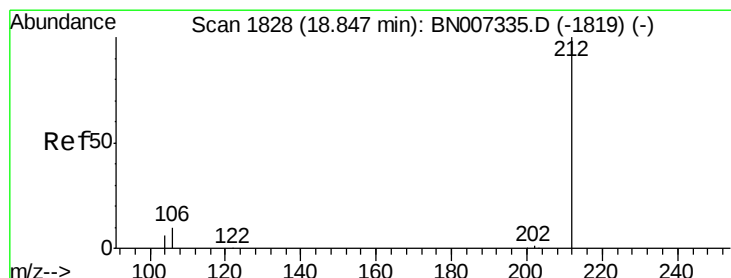
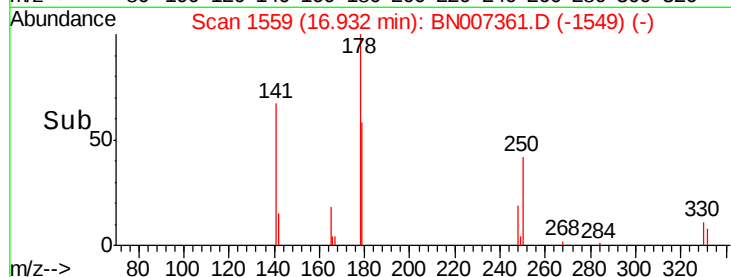
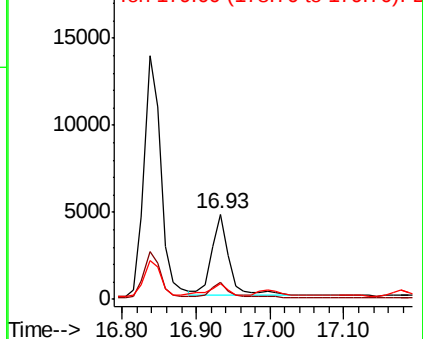
179 15.2 12.4 18.6



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: 0.228 ng

RT: 18.84 min Scan# 1829

Delta R.T. -0.00 min

Lab File: BN007361.D

Acq: 24 Aug 2019 13:43

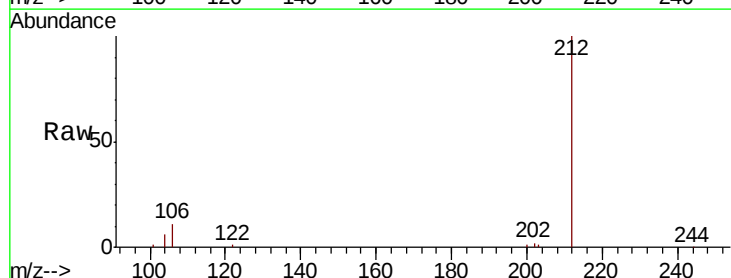
Tgt Ion:212 Resp: 27048

Ion Ratio Lower Upper

212 100

106 11.0 9.0 13.4

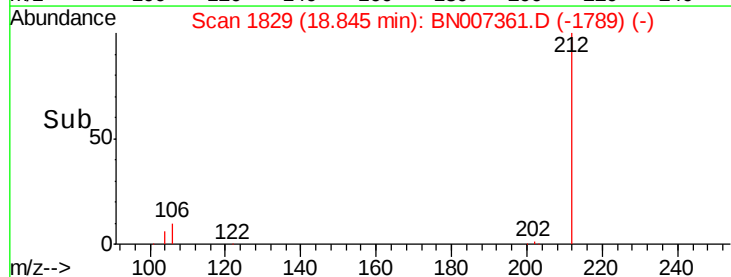
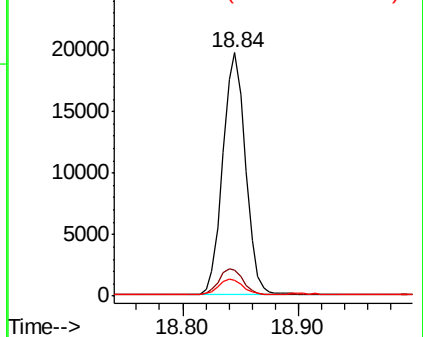
104 6.5 5.4 8.2

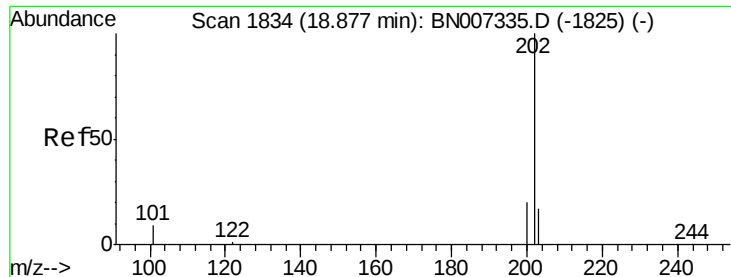


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

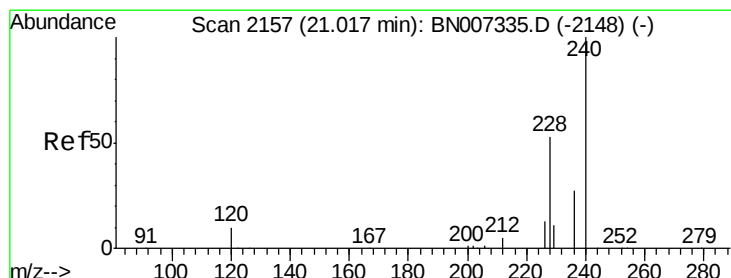
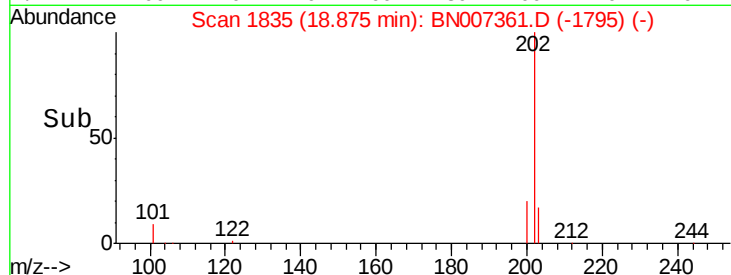
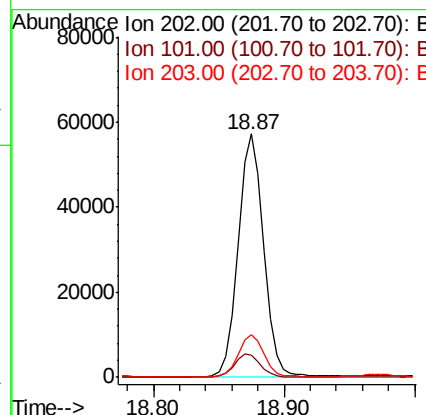
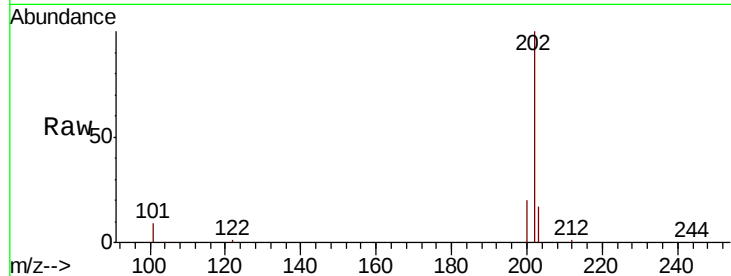




#26
Fluoranthene
Concen: 0.547 ng
RT: 18.87 min Scan# 1835
Delta R.T. -0.00 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

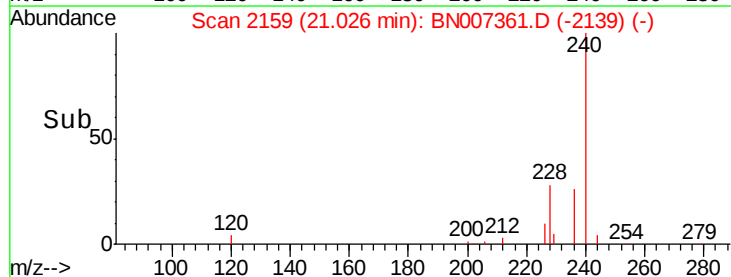
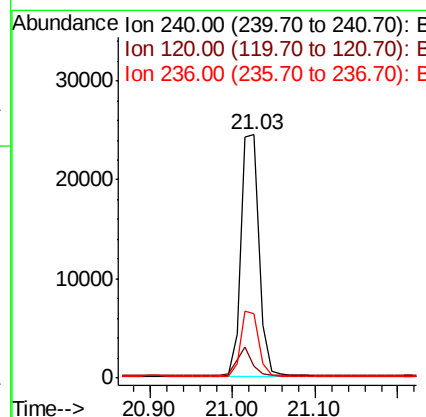
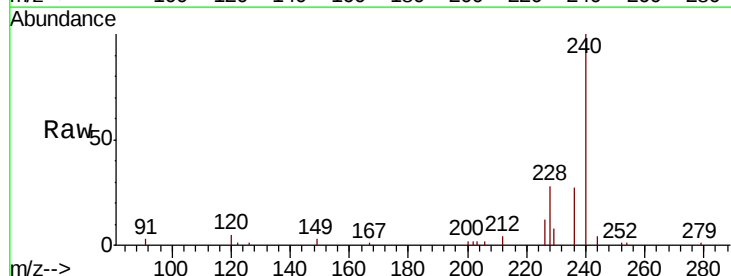
Instrument :
BNA_N
ClientSampleId :
S701-N-1.0-1.5-082019

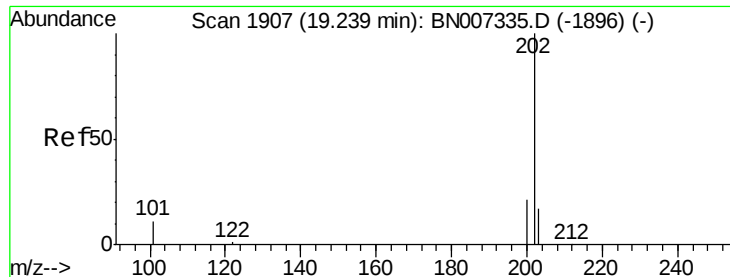
Tgt Ion:202 Resp: 77651
Ion Ratio Lower Upper
202 100
101 9.4 7.7 11.5
203 17.2 13.7 20.5



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.03 min Scan# 2159
Delta R.T. 0.01 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

Tgt Ion:240 Resp: 38137
Ion Ratio Lower Upper
240 100
120 5.1 9.6 14.4#
236 26.7 22.2 33.2





#28

Pyrene

Concen: 0.451 ng

RT: 19.24 min Scan# 1908

Delta R.T. -0.00 min

Lab File: BN007361.D

Acq: 24 Aug 2019 13:43

Instrument :

BNA_N

ClientSampleId :

S701-N-1.0-1.5-082019

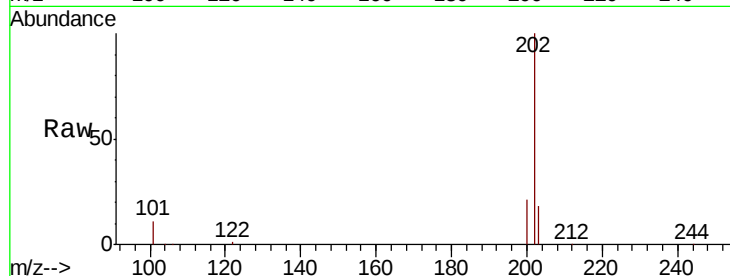
Tgt Ion:202 Resp: 69263

Ion Ratio Lower Upper

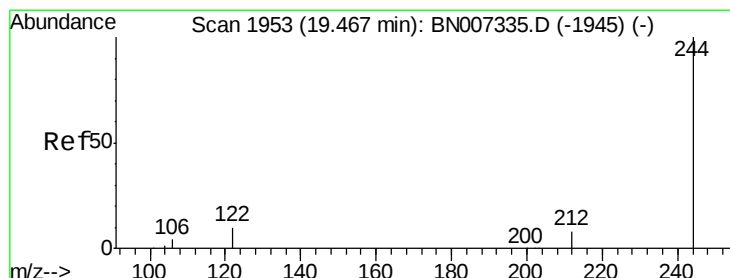
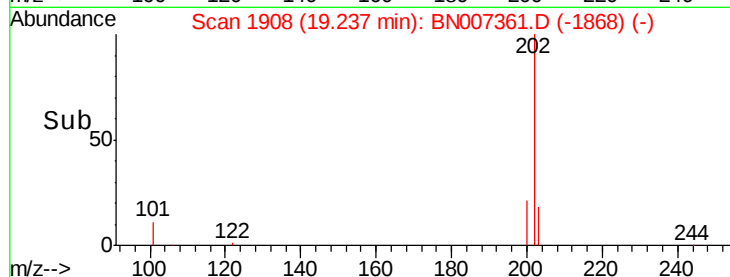
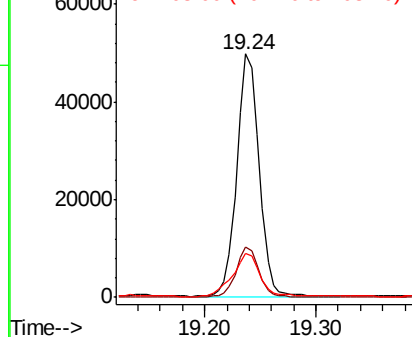
202 100

200 20.6 16.6 25.0

203 21.8 14.2 21.4#



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: 0.202 ng

RT: 19.47 min Scan# 1954

Delta R.T. -0.00 min

Lab File: BN007361.D

Acq: 24 Aug 2019 13:43

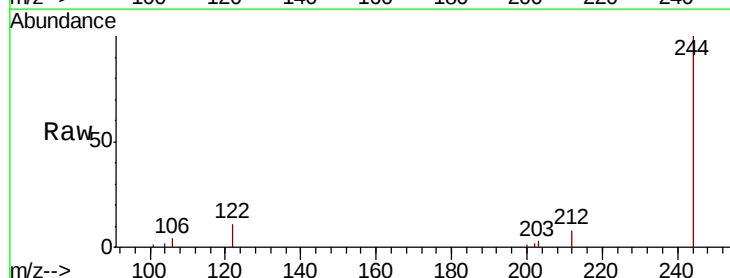
Tgt Ion:244 Resp: 20162

Ion Ratio Lower Upper

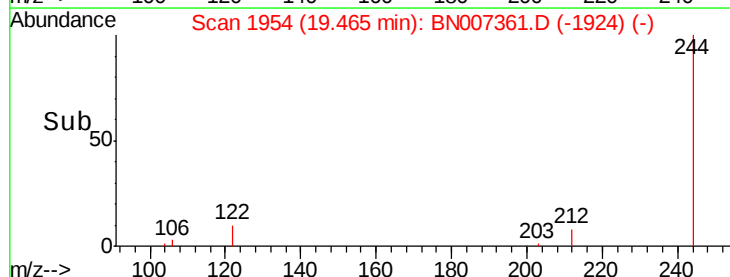
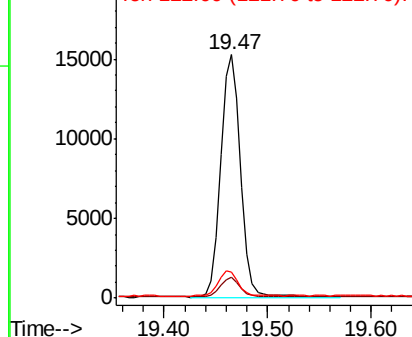
244 100

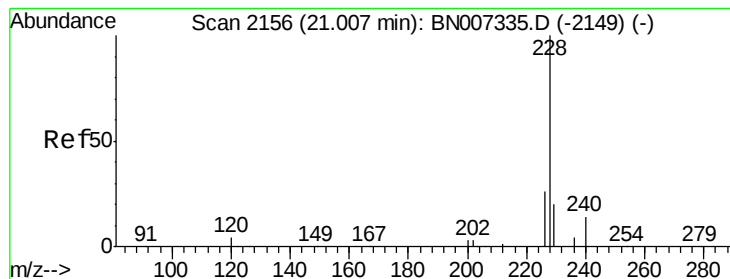
212 8.3 7.0 10.6

122 10.7 9.6 14.4



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





#30

Benzo(a)anthracene

Concen: 0.301 ng

RT: 21.00 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BN007361.D

Acq: 24 Aug 2019 13:43

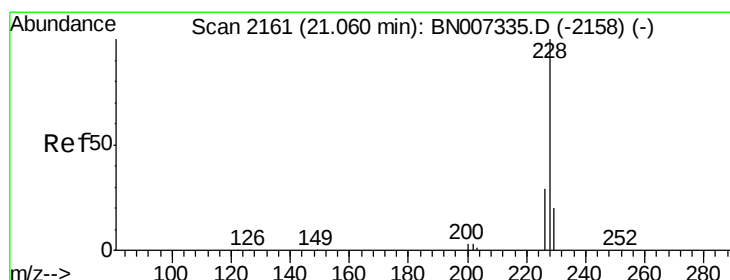
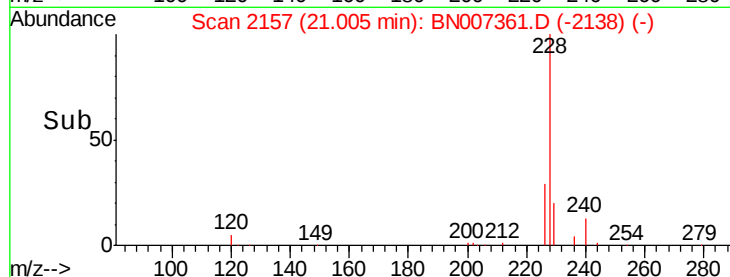
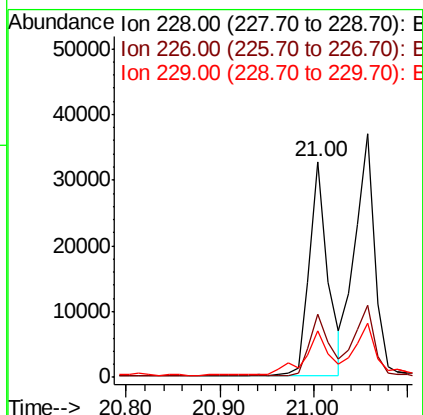
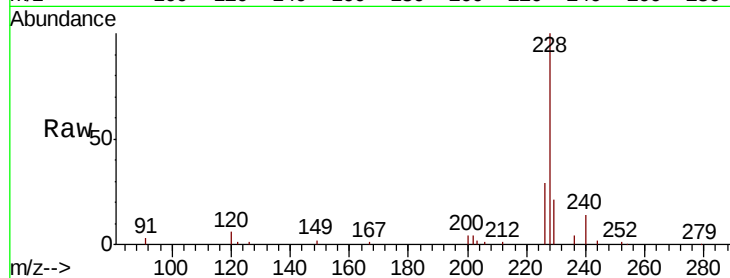
Instrument :

BNA_N

ClientSampleId :

S701-N-1.0-1.5-082019

Tgt Ion:	228	Resp:	45111
Ion	Ratio	Lower	Upper
228	100		
226	29.4	21.3	31.9
229	21.4	16.1	24.1



#31

Chrysene

Concen: 0.371 ng

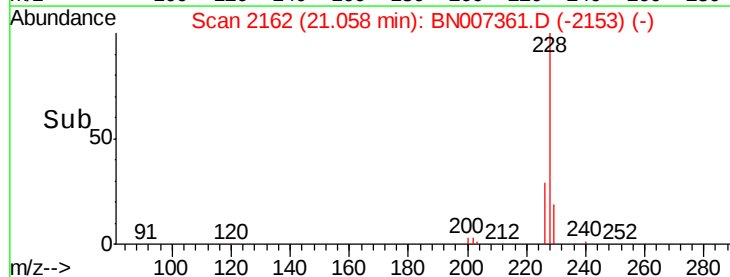
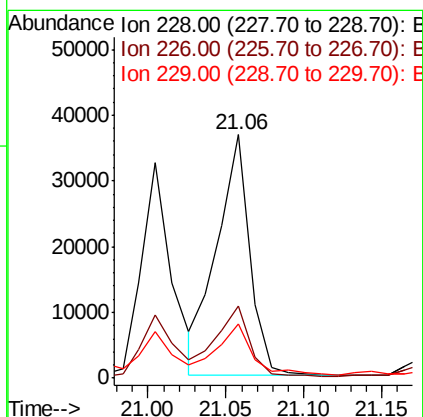
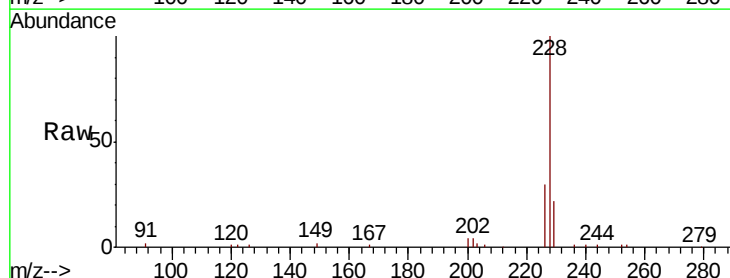
RT: 21.06 min Scan# 2162

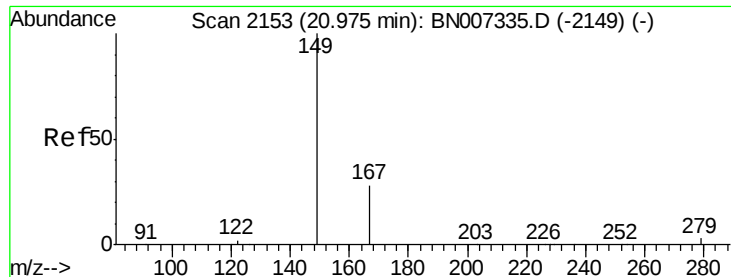
Delta R.T. -0.00 min

Lab File: BN007361.D

Acq: 24 Aug 2019 13:43

Tgt Ion:	228	Resp:	53603
Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.5	35.3
229	22.4	16.6	24.8





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.025 ng

RT: 20.97 min Scan# 2154

Delta R.T. -0.00 min

Lab File: BN007361.D

Acq: 24 Aug 2019 13:43

Instrument :

BNA_N

ClientSampleId :

S701-N-1.0-1.5-082019

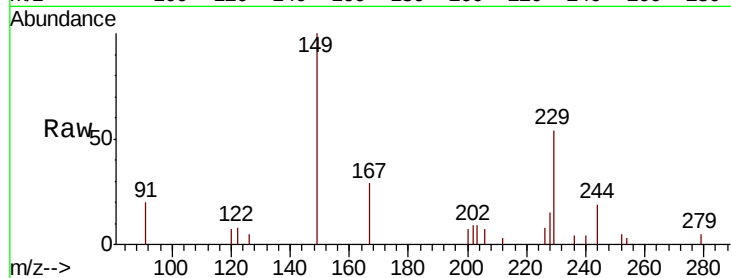
Tgt Ion:149 Resp: 4286

Ion Ratio Lower Upper

149 100

167 27.9 22.8 34.2

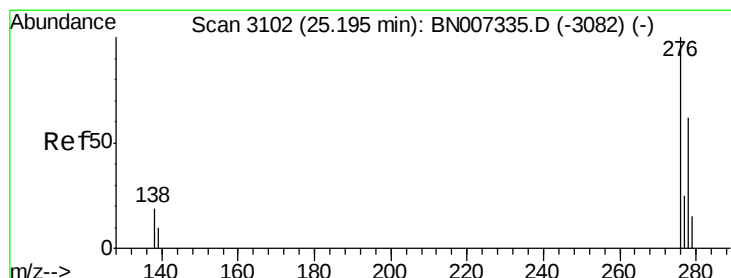
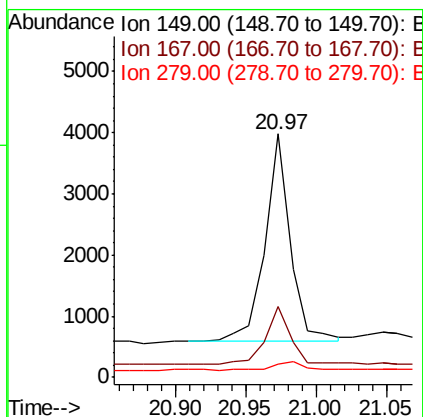
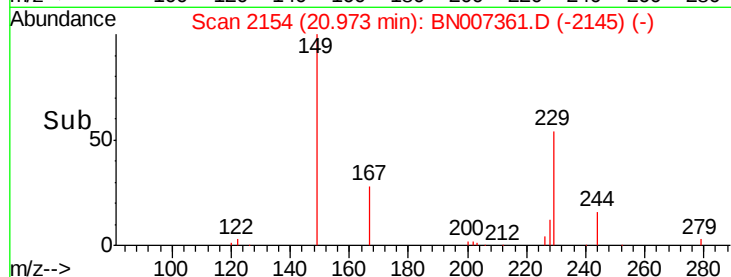
279 4.9 3.5 5.3



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: 0.216 ng

RT: 25.19 min Scan# 3101

Delta R.T. -0.01 min

Lab File: BN007361.D

Acq: 24 Aug 2019 13:43

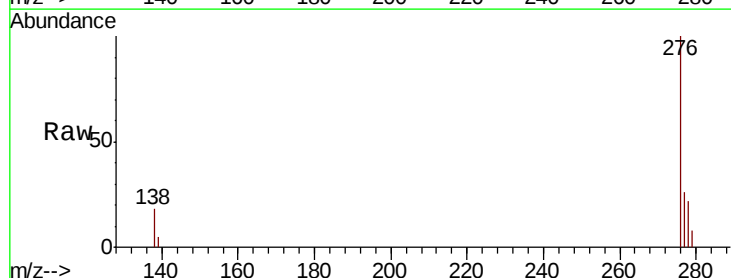
Tgt Ion:276 Resp: 37535

Ion Ratio Lower Upper

276 100

138 16.7 15.1 22.7

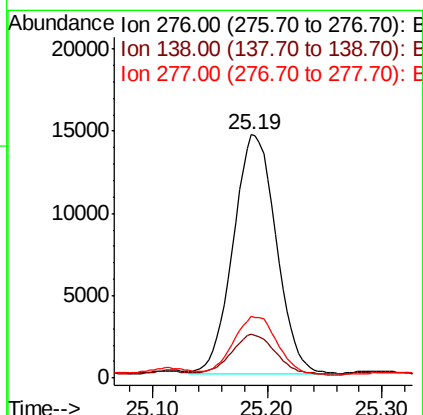
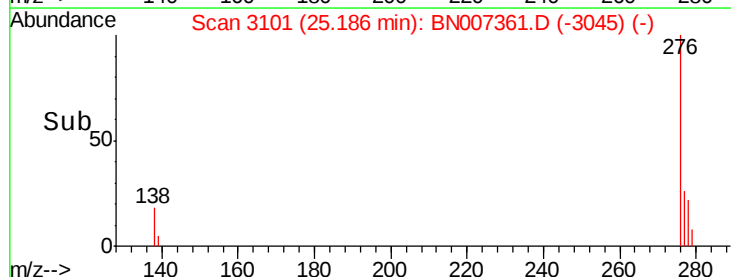
277 24.8 19.7 29.5

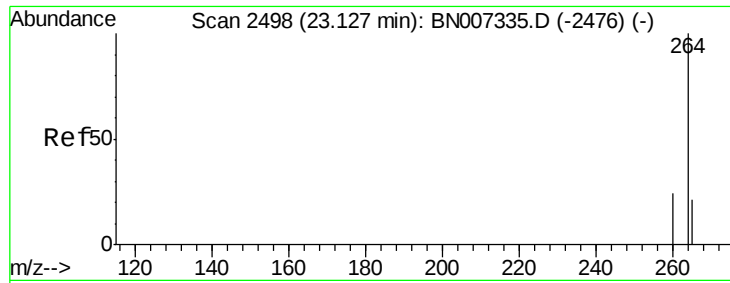


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

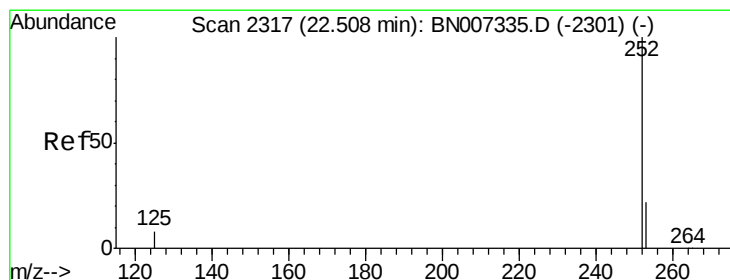
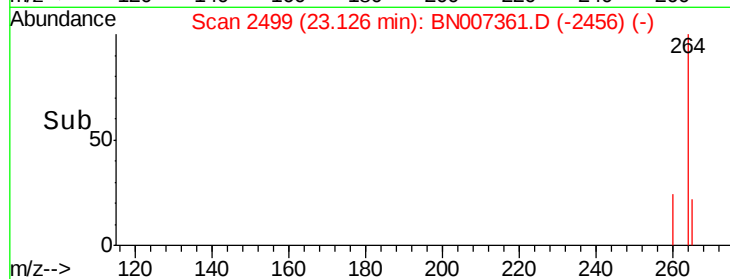
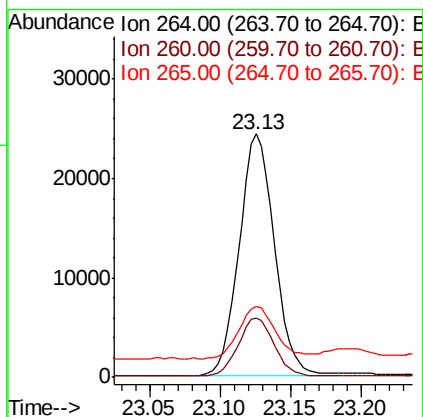
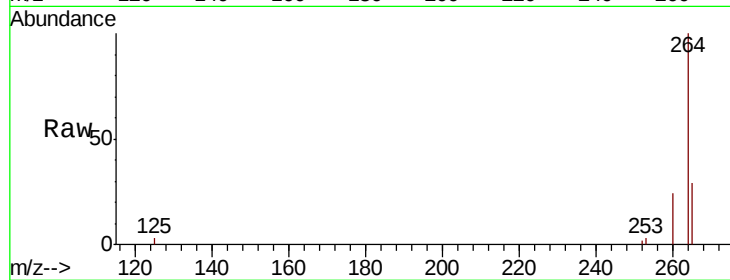




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.13 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: BN007361.D
 Acq: 24 Aug 2019 13:43

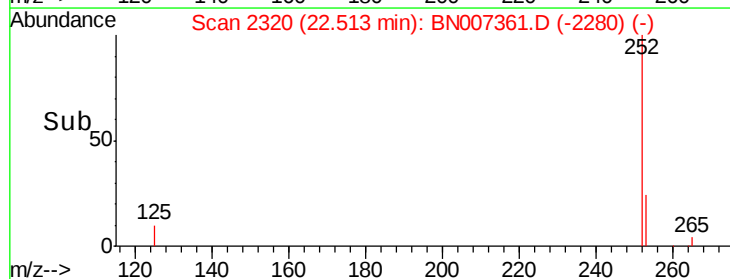
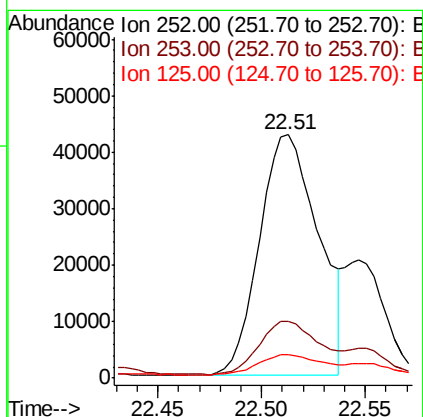
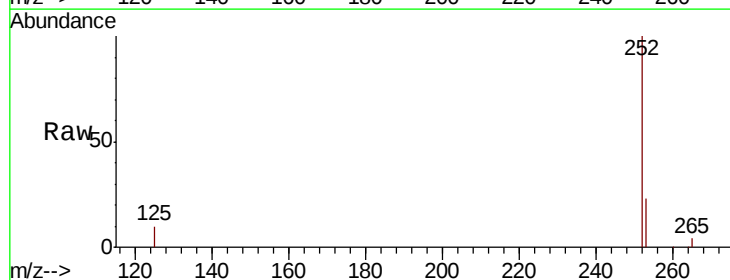
Instrument :
 BNA_N
 ClientSampleId :
 S701-N-1.0-1.5-082019

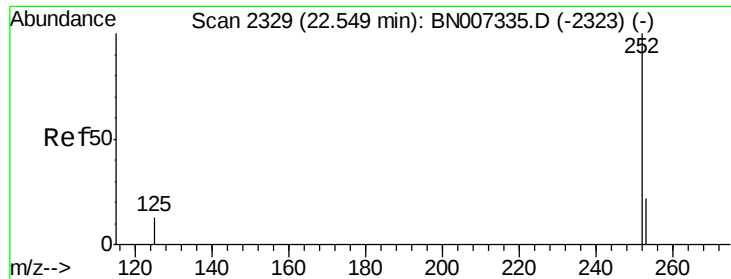
Tgt Ion: 264 Resp: 42438
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.7 29.5
 265 29.3 29.9 44.9#



#35
 Benzo(b)fluoranthene
 Concen: 0.548 ng
 RT: 22.51 min Scan# 2320
 Delta R.T. 0.01 min
 Lab File: BN007361.D
 Acq: 24 Aug 2019 13:43

Tgt Ion: 252 Resp: 84314
 Ion Ratio Lower Upper
 252 100
 253 23.4 19.2 28.8
 125 9.6 10.6 16.0#

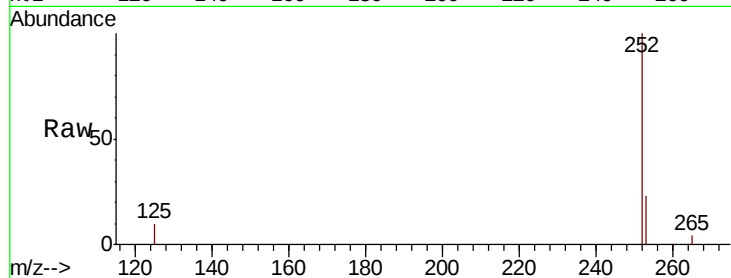




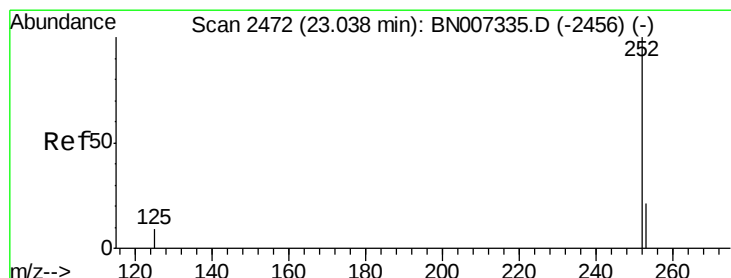
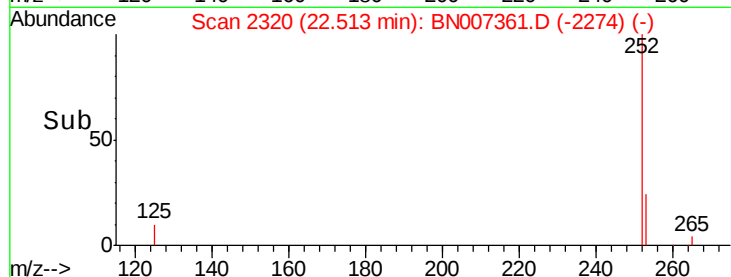
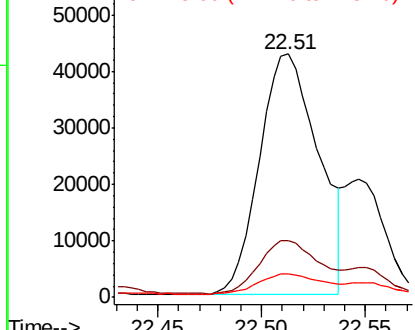
#36
Benzo(k)fluoranthene
Concen: 0.555 ng
RT: 22.51 min Scan# 2320
Delta R.T. -0.04 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

Instrument :
BNA_N
ClientSampleId :
S701-N-1.0-1.5-082019

Tgt Ion:252 Resp: 84314
Ion Ratio Lower Upper
252 100
253 23.4 19.4 29.2
125 9.6 13.1 19.7#

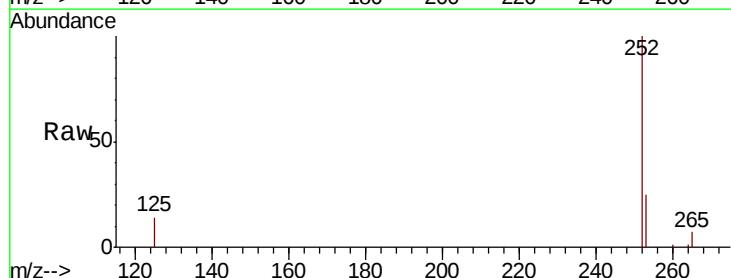


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

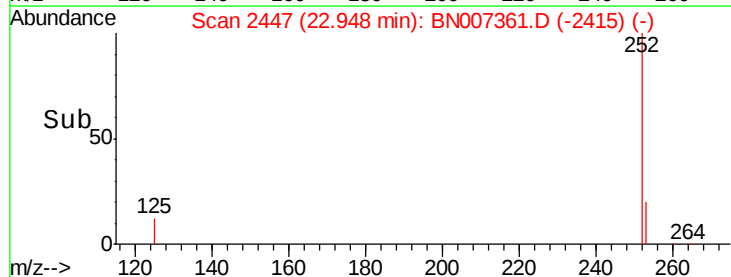
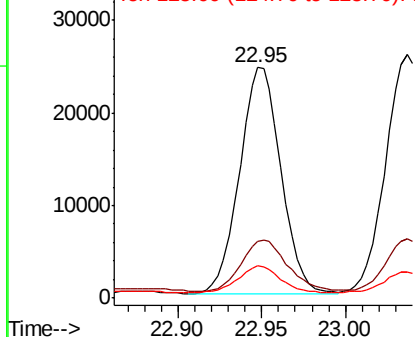


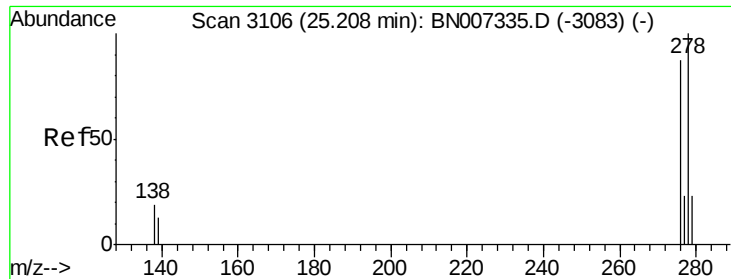
#37
Benzo(a)pyrene
Concen: 0.287 ng
RT: 22.95 min Scan# 2447
Delta R.T. -0.09 min
Lab File: BN007361.D
Acq: 24 Aug 2019 13:43

Tgt Ion:252 Resp: 41994
Ion Ratio Lower Upper
252 100
253 24.6 19.5 29.3
125 13.8 12.1 18.1



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





#38

Dibenzo(a,h)anthracene

Concen: 0.070 ng

RT: 25.20 min Scan# 3104

Delta R.T. -0.01 min

Lab File: BN007361.D

Acq: 24 Aug 2019 13:43

Instrument :

BNA_N

ClientSampleId :

S701-N-1.0-1.5-082019

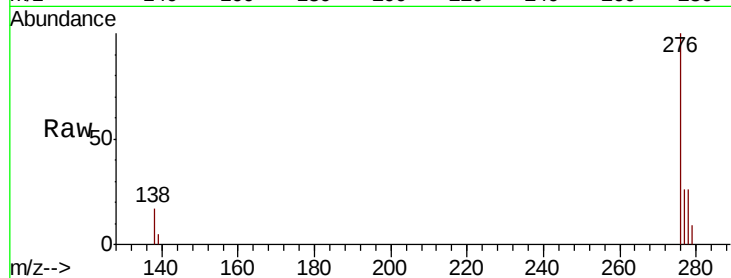
Tgt Ion: 278 Resp: 10220

Ion Ratio Lower Upper

278 100

139 19.4 13.7 20.5

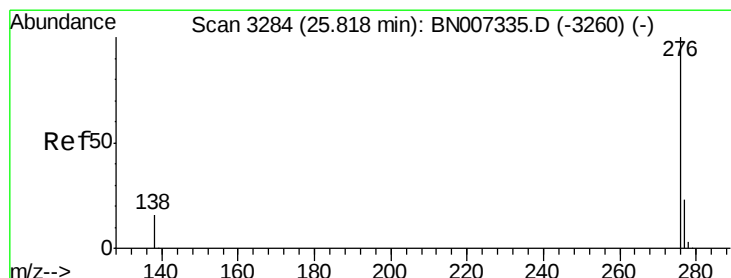
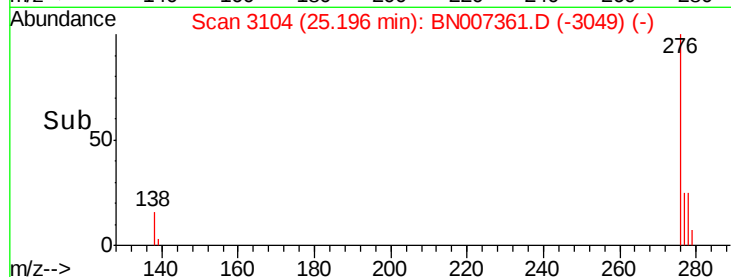
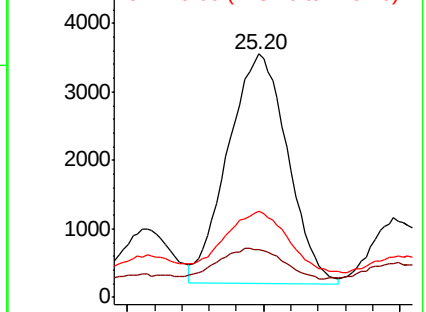
279 35.2 20.2 30.4#



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: 0.256 ng

RT: 25.82 min Scan# 3285

Delta R.T. -0.00 min

Lab File: BN007361.D

Acq: 24 Aug 2019 13:43

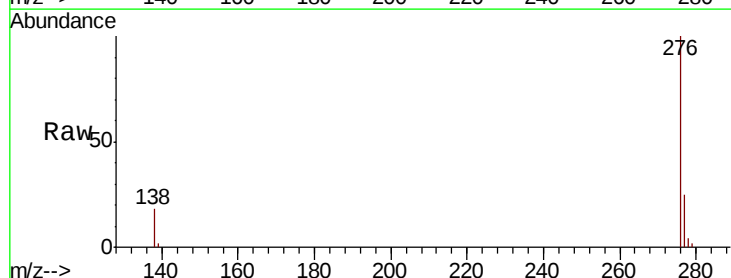
Tgt Ion: 276 Resp: 37231

Ion Ratio Lower Upper

276 100

277 25.0 19.6 29.4

138 18.2 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

