

Data File : BN007401.D
Acq On : 25 Aug 2019 18:25
Operator : HP/JU
Sample : K4496-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
S600-M-1.0-1.5-082219-FD

Quant Time: Aug 26 05:23:37 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	3859	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	15321	0.40	ng	-0.01
13) Acenaphthene-d10	14.04	164	8180	0.40	ng	-0.01
19) Phenanthrene-d10	16.80	188	18161	0.40	ng	0.00
27) Chrysene-d12	21.02	240	18912	0.40	ng	0.00
34) Perylene-d12	23.12	264	21208	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.03	112	3780	0.27	ng	0.00
5) Phenol-d6	6.59	99	4834	0.27	ng	0.00
8) Nitrobenzene-d5	8.53	82	3661	0.27	ng	0.00
11) 2-Methylnaphthalene-d10	11.76	152	7001	0.27	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	1198	0.28	ng	-0.01
15) 2-Fluorobiphenyl	12.66	172	8666	0.26	ng	0.00
25) Fluoranthene-d10	18.84	212	15433	0.26	ng	0.00
29) Terphenyl-d14	19.46	244	10970	0.22	ng	0.00

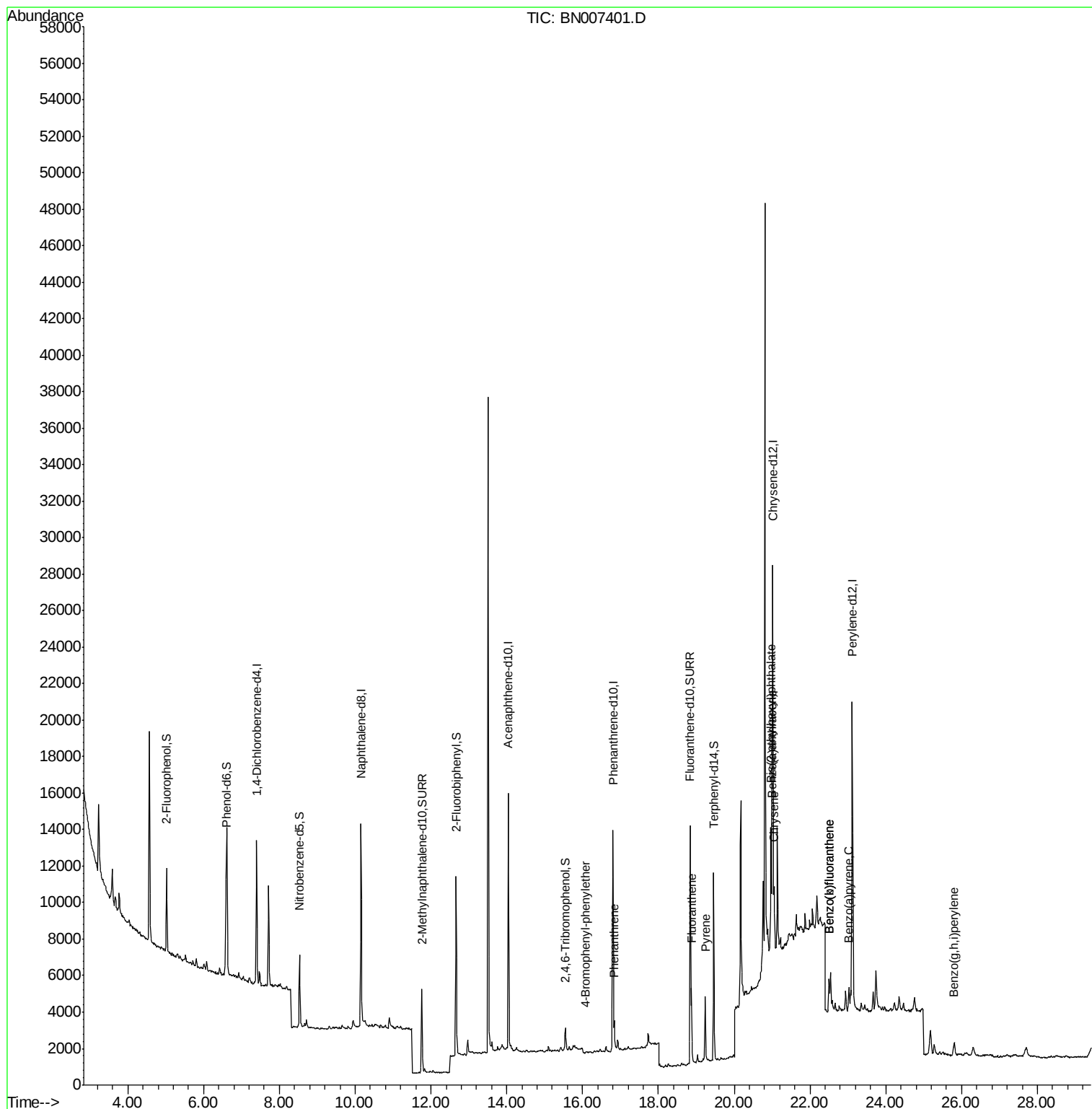
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) 4-Bromophenyl-phenylether	16.07	248	241	0.034	ng	# 22
23) Phenanthrene	16.84	178	1758	0.032	ng	100
26) Fluoranthene	18.87	202	3783	0.054	ng	98
28) Pyrene	19.24	202	3686	0.048	ng	# 93
30) Benzo(a)anthracene	21.00	228	2355	0.032	ng	# 64
31) Chrysene	21.05	228	2273	0.032	ng	# 72
32) Bis(2-ethylhexyl)phthalate	20.96	149	6359	0.113	ng	97
35) Benzo(b)fluoranthene	22.50	252	2896	0.038	ng	# 27
36) Benzo(k)fluoranthene	22.50	252	2896	0.038	ng	# 31
37) Benzo(a)pyrene	23.03	252	1757	0.024	ng	# 4
39) Benzo(g,h,i)perylene	25.80	276	1476	0.020	ng	# 38

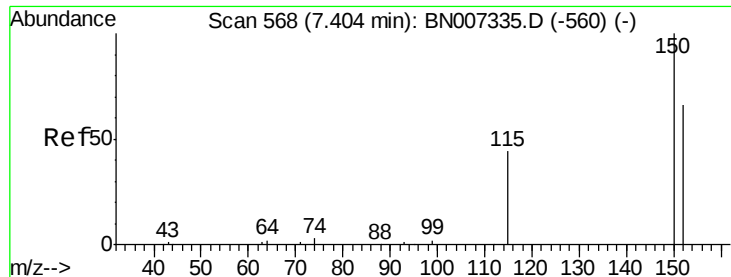
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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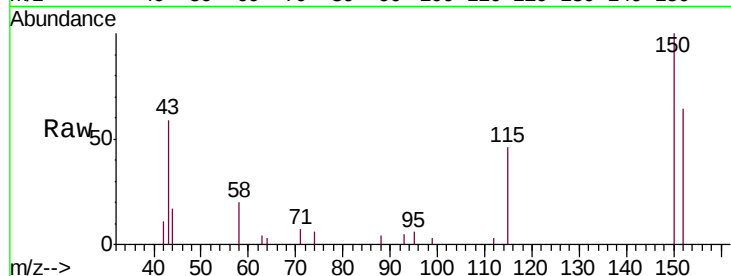


#1

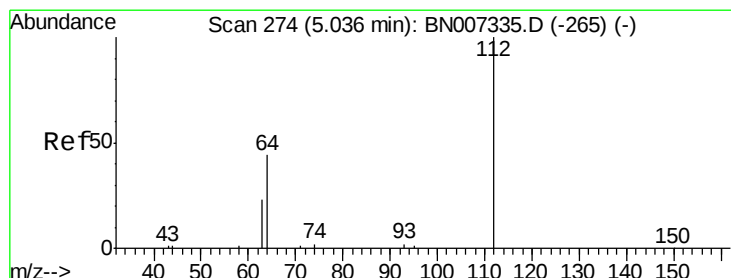
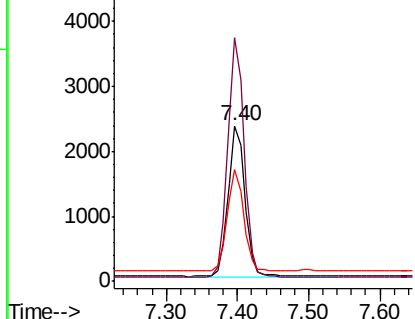
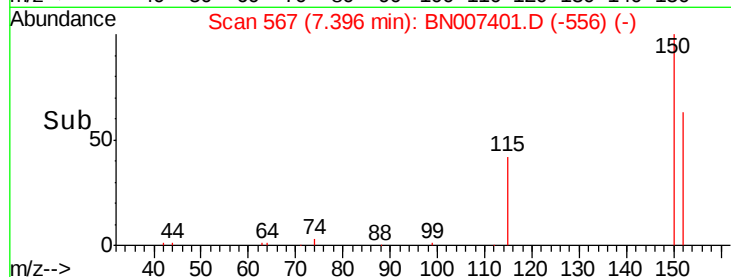
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 567
Delta R.T. -0.01 min
Lab File: BN007401.D
Acq: 25 Aug 2019 18:25

Instrument :
BNA_N
ClientSampleId :
S600-M-1.0-1.5-082219-FD

Tgt Ion:152 Resp: 3859
Ion Ratio Lower Upper
152 100
150 156.6 109.1 163.7
115 72.1 59.6 89.4



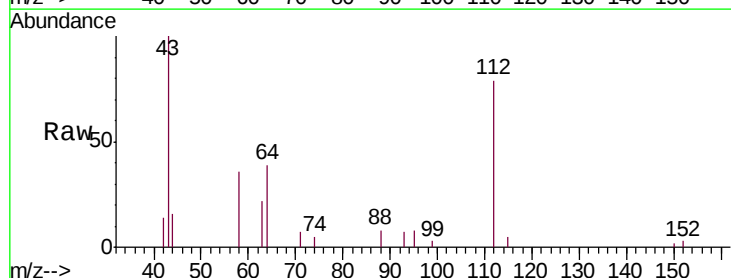
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



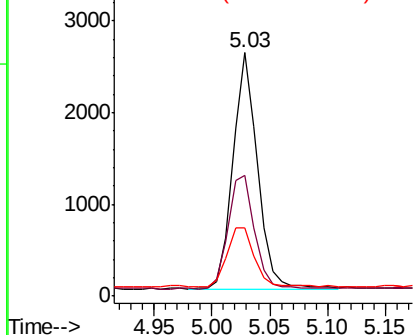
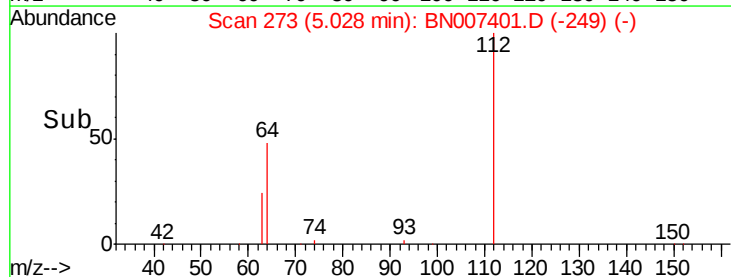
#4

2-Fluorophenol
Concen: 0.273 ng
RT: 5.03 min Scan# 273
Delta R.T. -0.01 min
Lab File: BN007401.D
Acq: 25 Aug 2019 18:25

Tgt Ion:112 Resp: 3780
Ion Ratio Lower Upper
112 100
64 52.9 42.3 63.5
63 27.5 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: 0.274 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007401.D

Acq: 25 Aug 2019 18:25

Instrument :

BNA_N

ClientSampleId :

S600-M-1.0-1.5-082219-FD

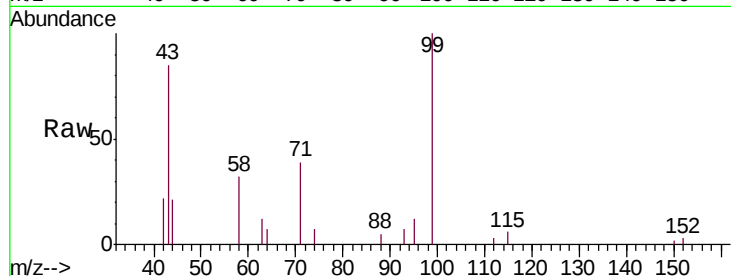
Tgt Ion: 99 Resp: 4834

Ion Ratio Lower Upper

99 100

42 17.3 11.2 16.8#

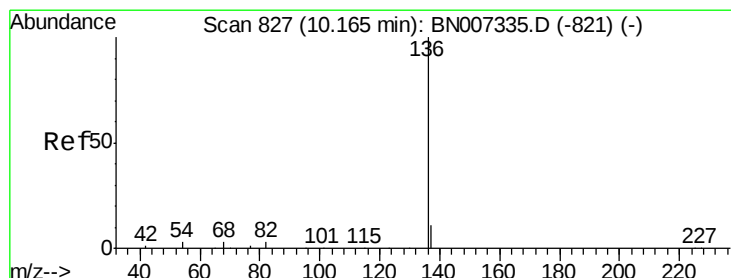
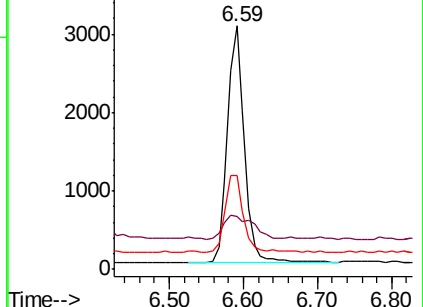
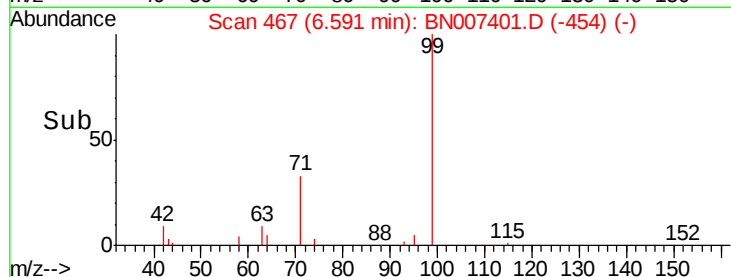
71 35.5 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN007401.D (-454) (-)

Ion 42.00 (41.70 to 42.70): BN007401.D (-454) (-)

Ion 71.00 (70.70 to 71.70): BN007401.D (-454) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007401.D

Acq: 25 Aug 2019 18:25

Tgt Ion: 136 Resp: 15321

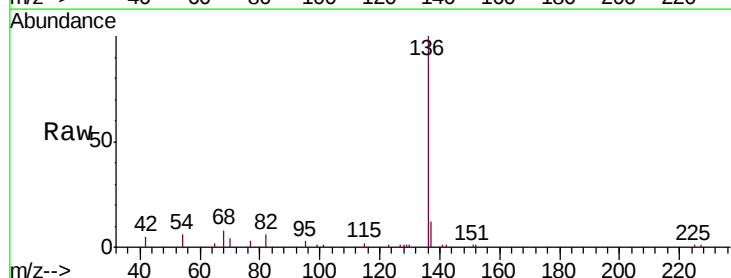
Ion Ratio Lower Upper

136 100

137 11.7 12.9 19.3#

54 5.7 8.6 12.8#

68 7.9 17.0 25.4#

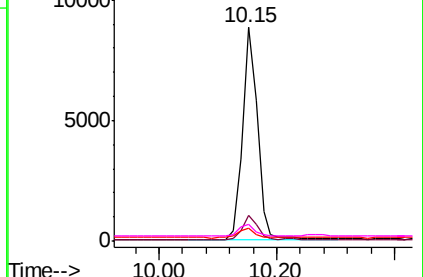
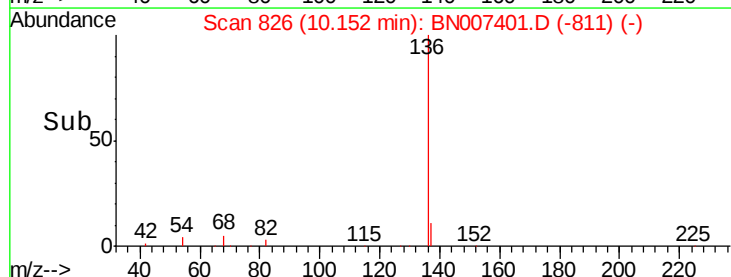


Abundance Ion 136.00 (135.70 to 136.70): BN007401.D (-811) (-)

Ion 137.00 (136.70 to 137.70): BN007401.D (-811) (-)

Ion 54.00 (53.70 to 54.70): BN007401.D (-811) (-)

Ion 68.00 (67.70 to 68.70): BN007401.D (-811) (-)

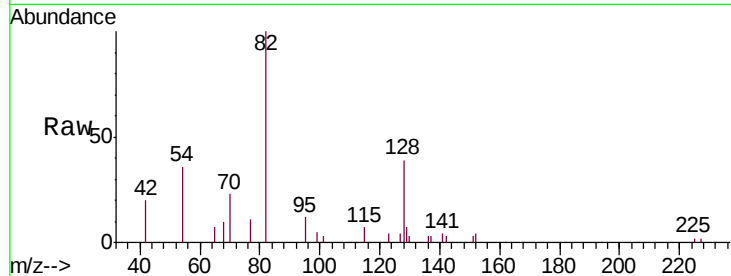




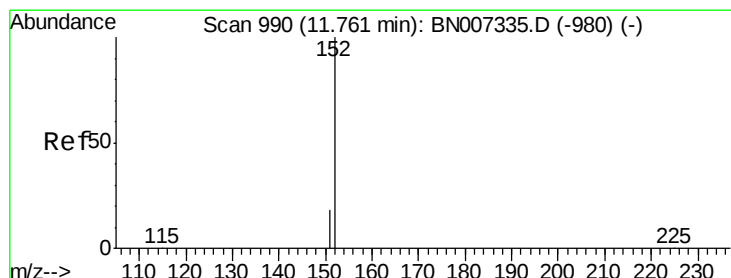
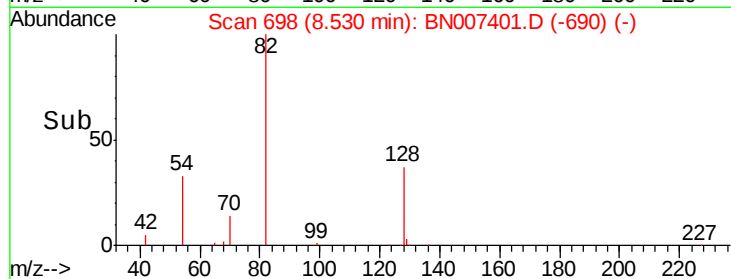
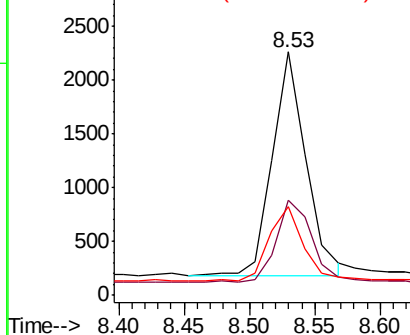
#8
 Nitrobenzene-d5
 Concen: 0.275 ng
 RT: 8.53 min Scan# 698
 Delta R.T. 0.00 min
 Lab File: BN007401.D
 Acq: 25 Aug 2019 18:25

Instrument :
 BNA_N
 ClientSampleId :
 S600-M-1.0-1.5-082219-FD

Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.0	19.7	29.5#
54	36.3	25.8	38.6

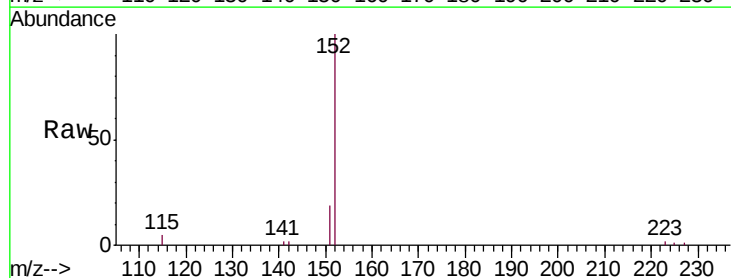


Abundance Ion 82.00 (81.70 to 82.70): BN0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BN0

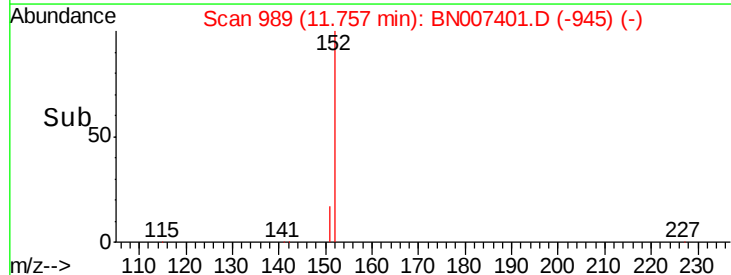
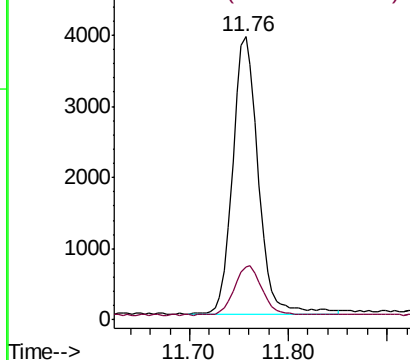


#11
 2-Methylnaphthalene-d10
 Concen: 0.275 ng
 RT: 11.76 min Scan# 989
 Delta R.T. -0.00 min
 Lab File: BN007401.D
 Acq: 25 Aug 2019 18:25

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	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: 14.04 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BN007401.D

Acq: 25 Aug 2019 18:25

Instrument :

BNA_N

ClientSampleId :

S600-M-1.0-1.5-082219-FD

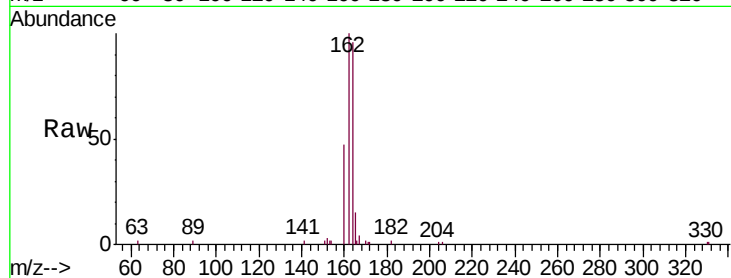
Tgt Ion:164 Resp: 8180

Ion Ratio Lower Upper

164 100

162 104.5 83.5 125.3

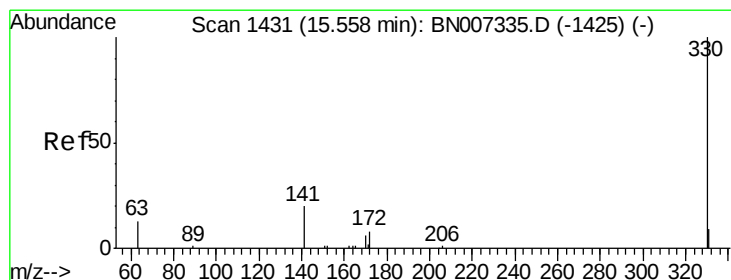
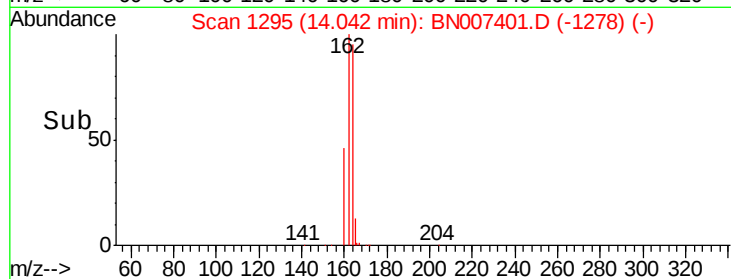
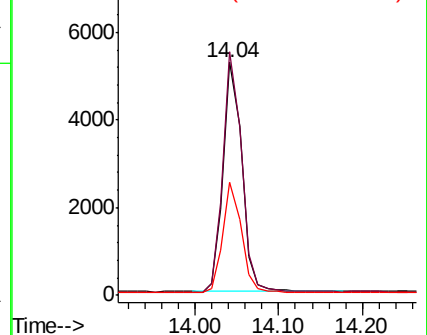
160 48.8 38.2 57.4



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: 0.280 ng

RT: 15.55 min Scan# 1430

Delta R.T. -0.01 min

Lab File: BN007401.D

Acq: 25 Aug 2019 18:25

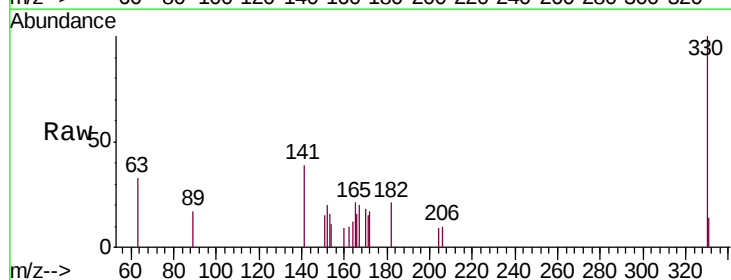
Tgt Ion:330 Resp: 1198

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

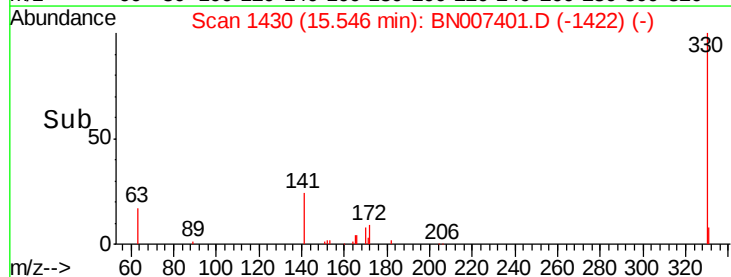
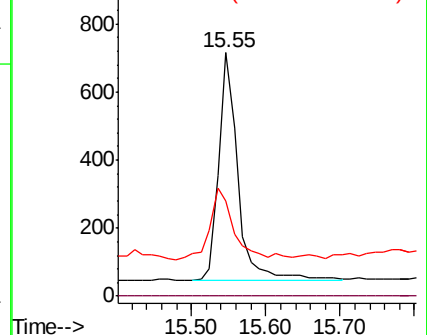
141 38.2 26.9 40.3



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

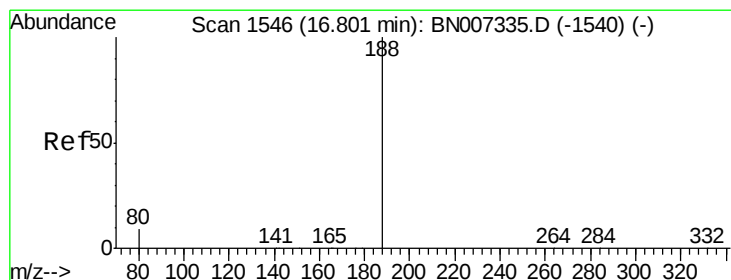
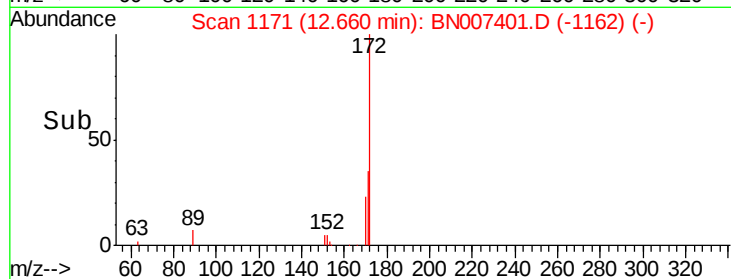
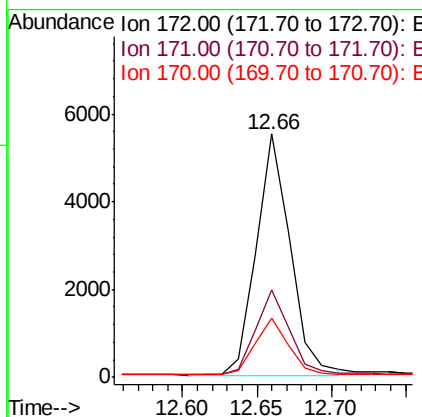
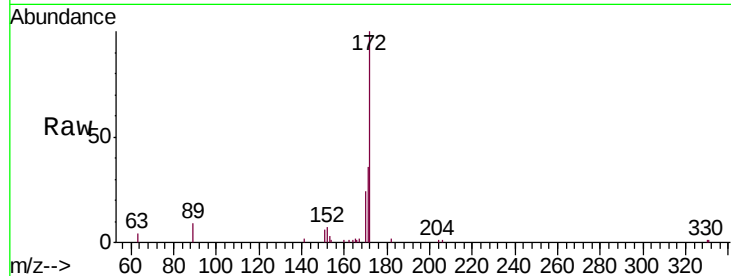




#15
2-Fluorobiphenyl
Concen: 0.263 ng
RT: 12.66 min Scan# 1171
Delta R.T. 0.00 min
Lab File: BN007401.D
Acq: 25 Aug 2019 18:25

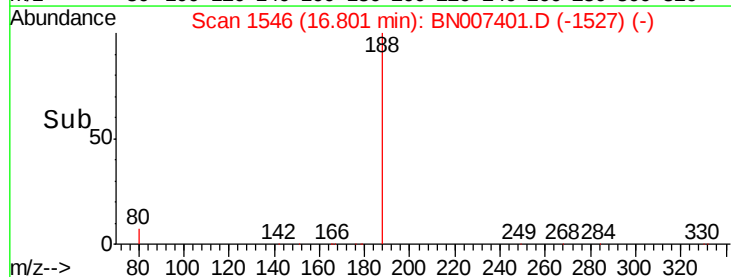
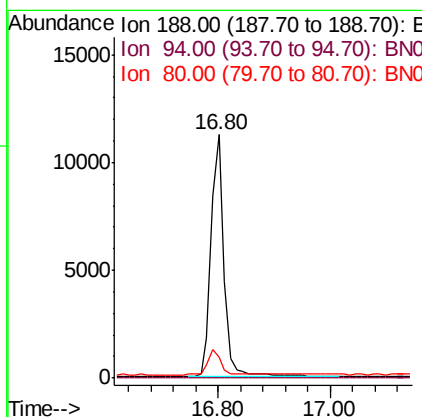
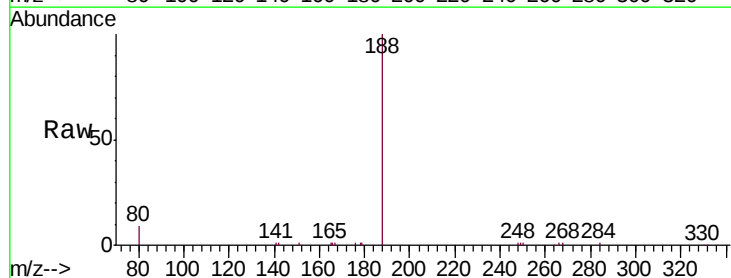
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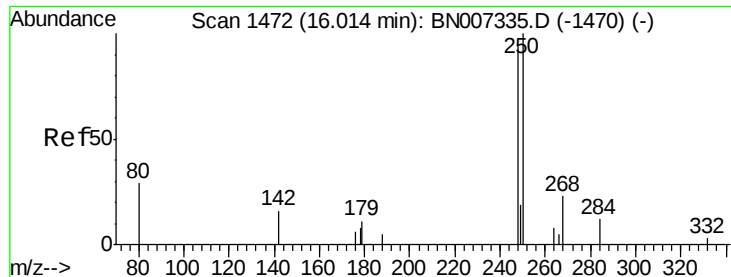
Tgt Ion:172 Resp: 8666
Ion Ratio Lower Upper
172 100
171 36.0 30.3 45.5
170 24.1 20.7 31.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.80 min Scan# 1546
Delta R.T. 0.00 min
Lab File: BN007401.D
Acq: 25 Aug 2019 18:25

Tgt Ion:188 Resp: 18161
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.8 11.8 17.8#

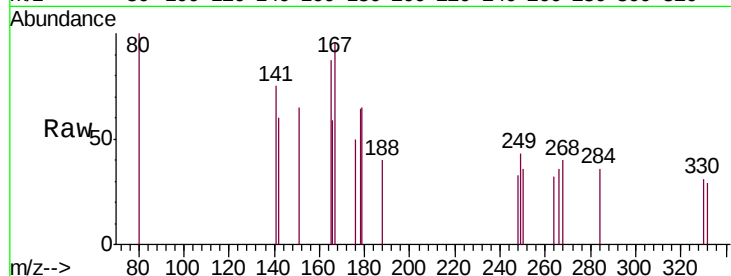




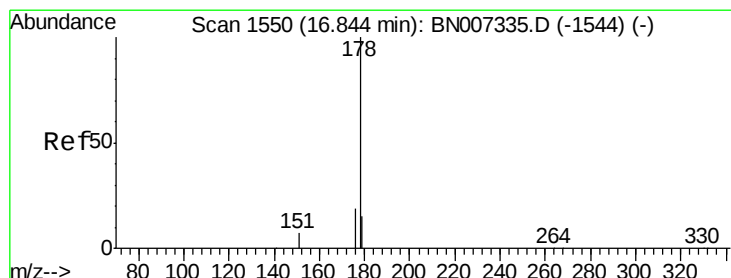
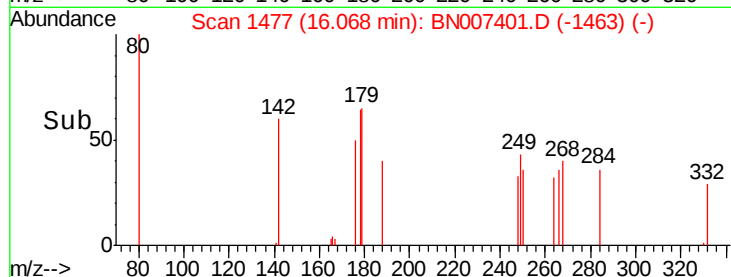
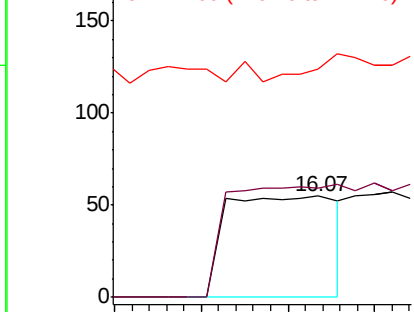
#20
4-Bromophenyl-phenylether
Concen: 0.034 ng
RT: 16.07 min Scan# 1477
Delta R.T. 0.05 min
Lab File: BN007401.D
Acq: 25 Aug 2019 18:25

Instrument :
BNA_N
ClientSampleId :
S600-M-1.0-1.5-082219-FD

Tgt Ion:248 Resp: 241
Ion Ratio Lower Upper
248 100
250 107.3 85.0 127.6
141 225.5 51.7 77.5#

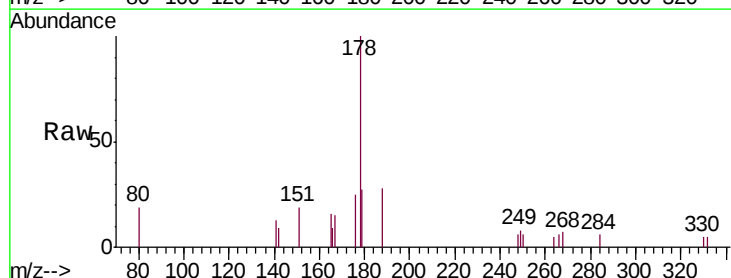


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

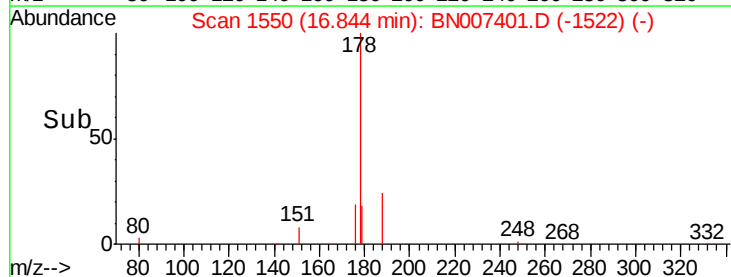
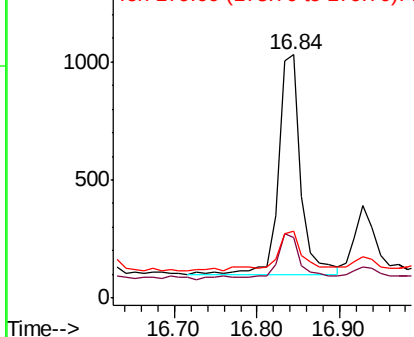


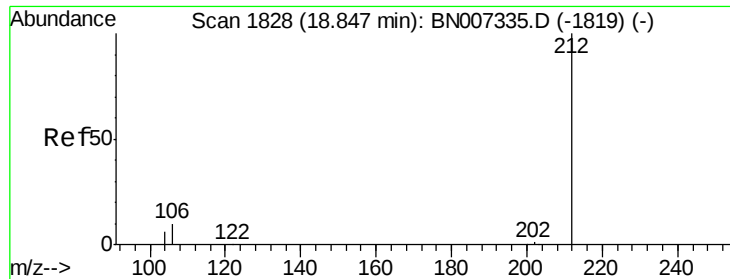
#23
Phenanthrene
Concen: 0.032 ng
RT: 16.84 min Scan# 1550
Delta R.T. 0.00 min
Lab File: BN007401.D
Acq: 25 Aug 2019 18:25

Tgt Ion:178 Resp: 1758
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.9 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





#25

Fluoranthene-d10

Concen: 0.264 ng

RT: 18.84 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BN007401.D

Acq: 25 Aug 2019 18:25

Instrument :

BNA_N

ClientSampleId :

S600-M-1.0-1.5-082219-FD

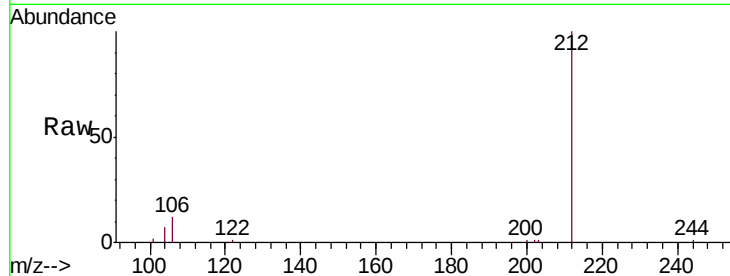
Tgt Ion:212 Resp: 15433

Ion Ratio Lower Upper

212 100

106 11.1 9.0 13.4

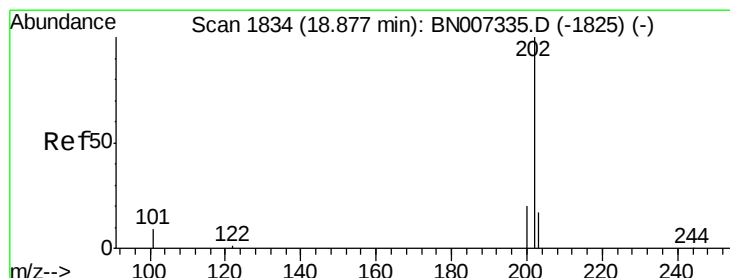
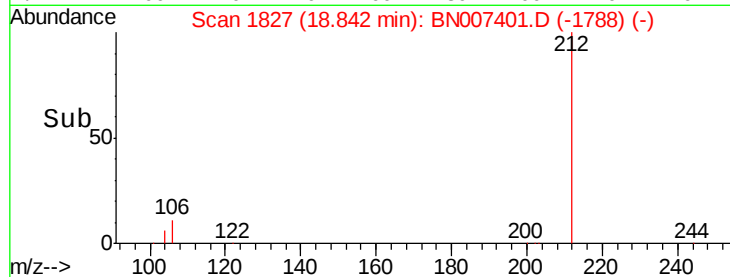
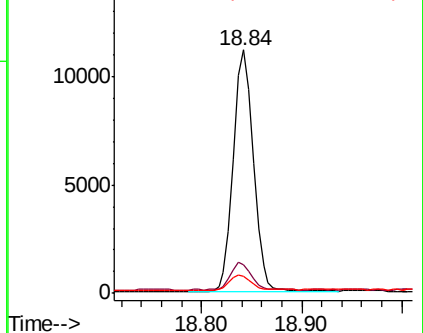
104 6.9 5.4 8.2



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: 0.054 ng

RT: 18.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BN007401.D

Acq: 25 Aug 2019 18:25

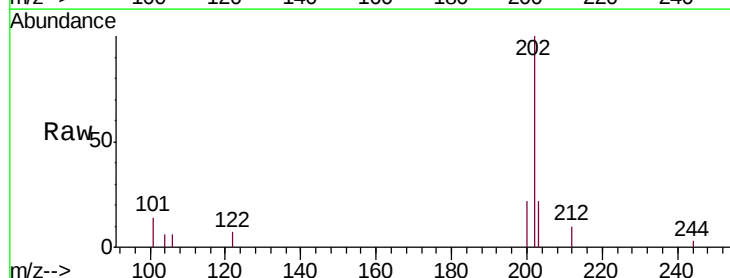
Tgt Ion:202 Resp: 3783

Ion Ratio Lower Upper

202 100

101 8.7 7.7 11.5

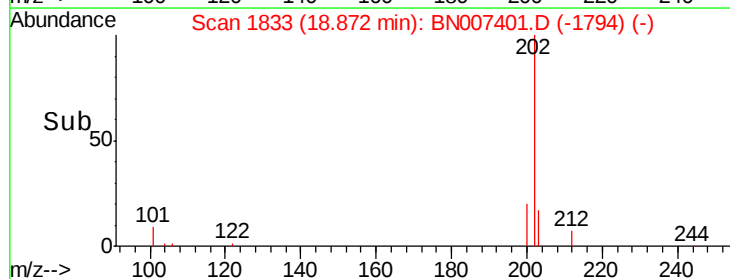
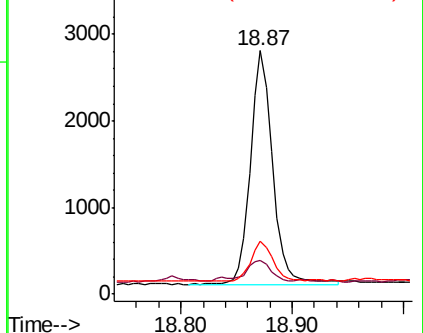
203 16.4 13.7 20.5

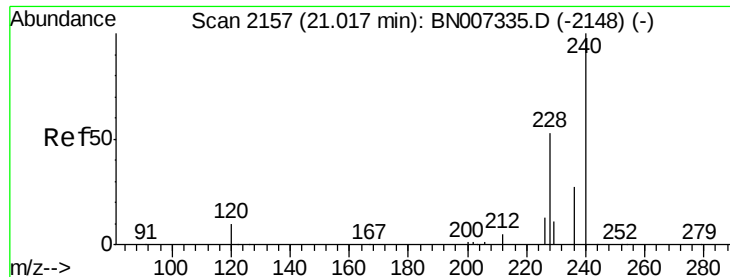


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2157

Delta R.T. 0.00 min

Lab File: BN007401.D

Acq: 25 Aug 2019 18:25

Instrument :

BNA_N

ClientSampleId :

S600-M-1.0-1.5-082219-FD

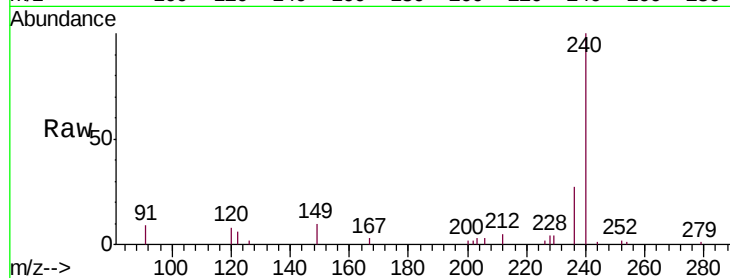
Tgt Ion:240 Resp: 18912

Ion Ratio Lower Upper

240 100

120 8.3 9.6 14.4#

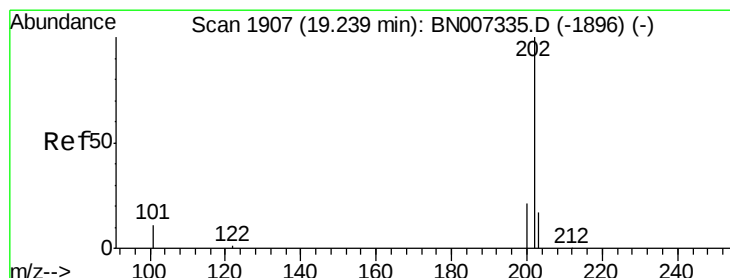
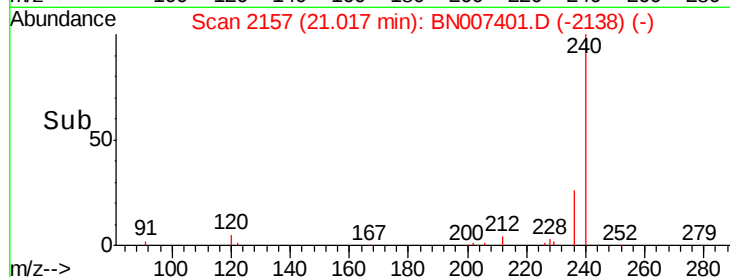
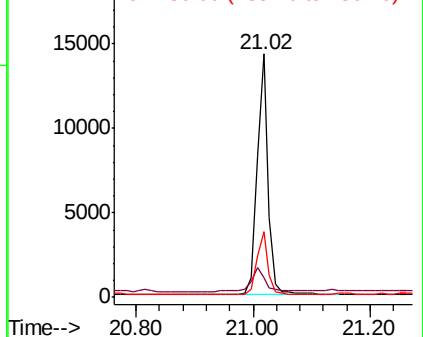
236 26.7 22.2 33.2



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: 0.048 ng

RT: 19.24 min Scan# 1907

Delta R.T. 0.00 min

Lab File: BN007401.D

Acq: 25 Aug 2019 18:25

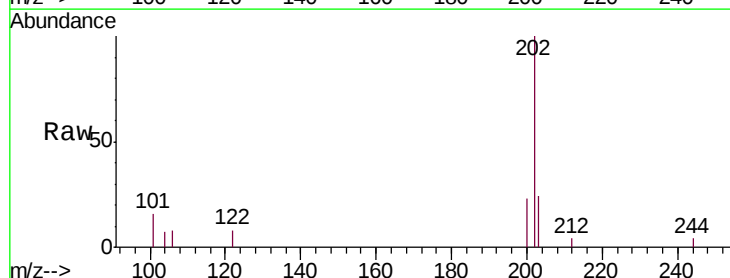
Tgt Ion:202 Resp: 3686

Ion Ratio Lower Upper

202 100

200 21.5 16.6 25.0

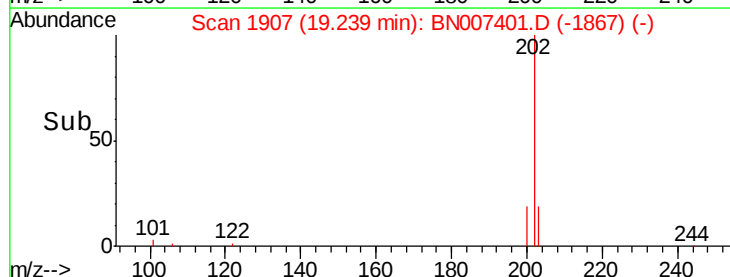
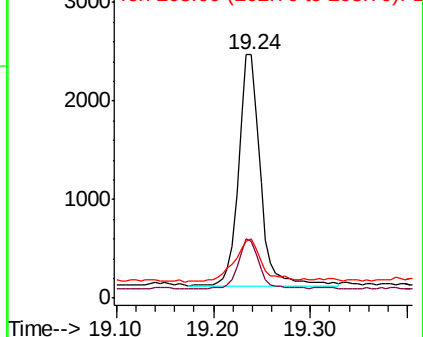
203 23.9 14.2 21.4#

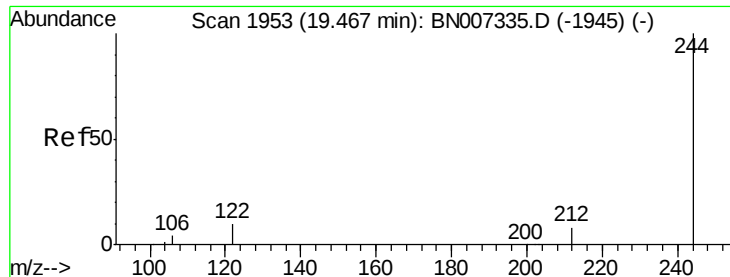


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.222 ng

RT: 19.46 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BN007401.D

Acq: 25 Aug 2019 18:25

Instrument :

BNA_N

ClientSampleId :

S600-M-1.0-1.5-082219-FD

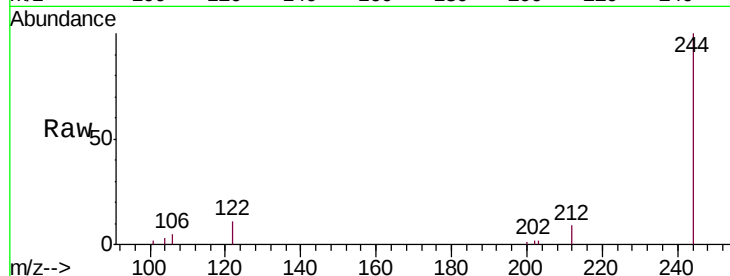
Tgt Ion:244 Resp: 10970

Ion Ratio Lower Upper

244 100

212 8.5 7.0 10.6

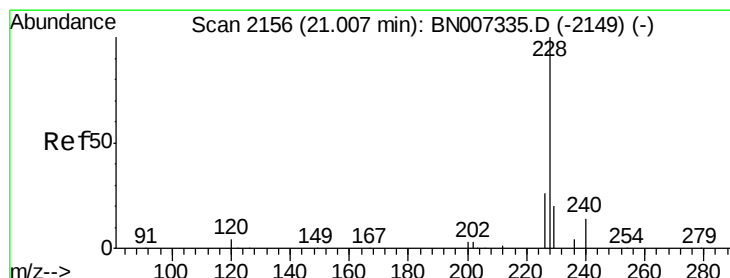
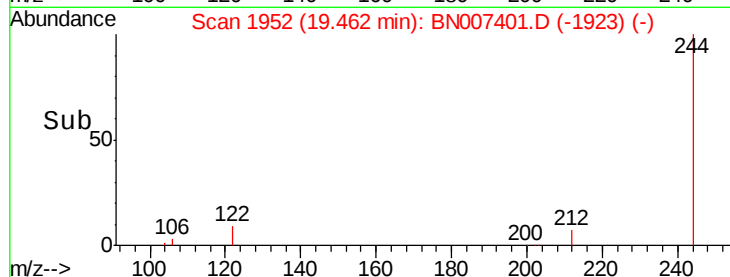
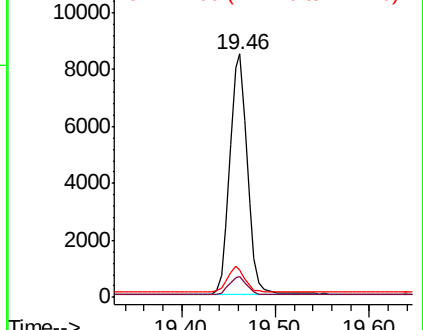
122 11.3 9.6 14.4



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: 0.032 ng

RT: 21.00 min Scan# 2155

Delta R.T. -0.01 min

Lab File: BN007401.D

Acq: 25 Aug 2019 18:25

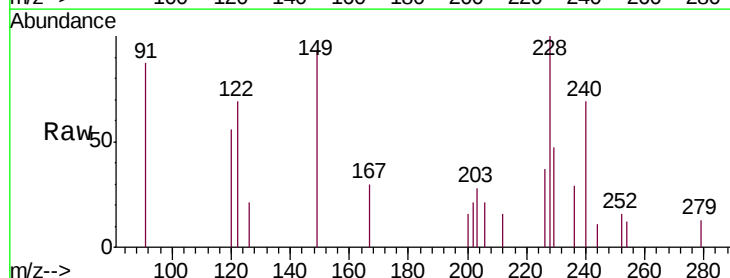
Tgt Ion:228 Resp: 2355

Ion Ratio Lower Upper

228 100

226 36.6 21.3 31.9#

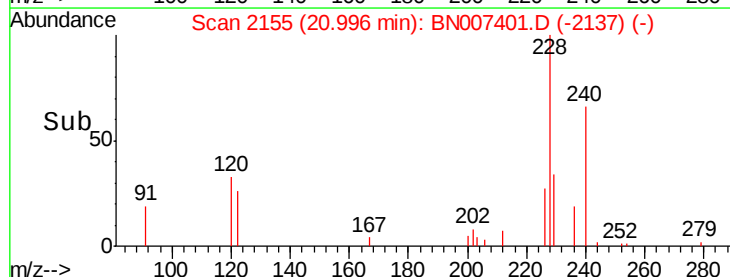
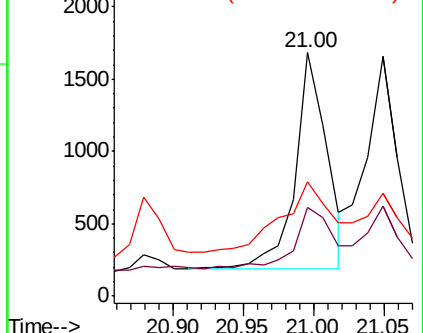
229 46.9 16.1 24.1#

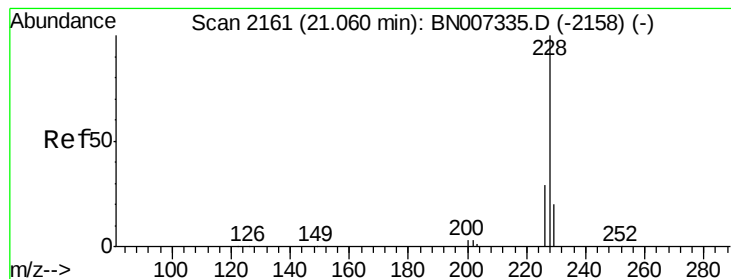


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.032 ng

RT: 21.05 min Scan# 2160

Delta R.T. -0.01 min

Lab File: BN007401.D

Acq: 25 Aug 2019 18:25

Instrument :

BNA_N

ClientSampleId :

S600-M-1.0-1.5-082219-FD

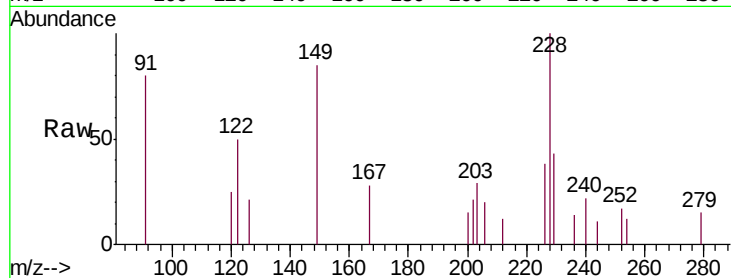
Tgt Ion:228 Resp: 2273

Ion Ratio Lower Upper

228 100

226 37.6 23.5 35.3#

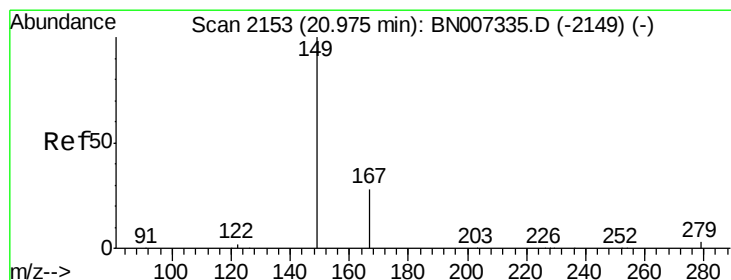
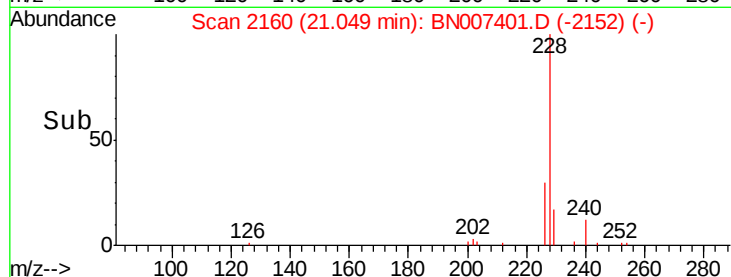
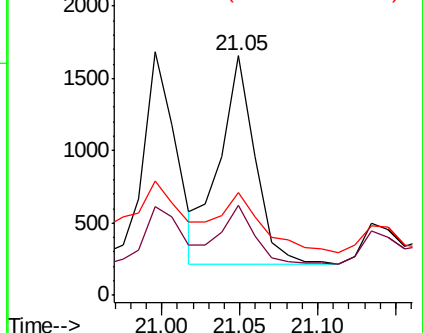
229 42.6 16.6 24.8#



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: 0.113 ng

RT: 20.96 min Scan# 2152

Delta R.T. -0.01 min

Lab File: BN007401.D

Acq: 25 Aug 2019 18:25

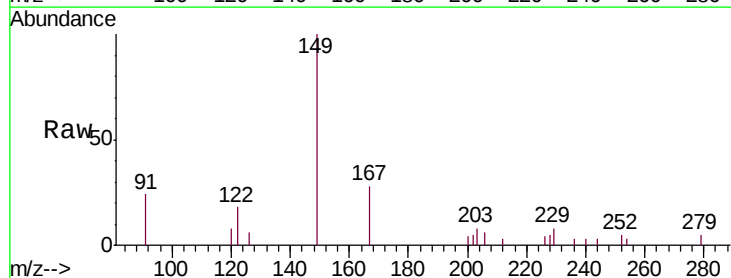
Tgt Ion:149 Resp: 6359

Ion Ratio Lower Upper

149 100

167 30.1 22.8 34.2

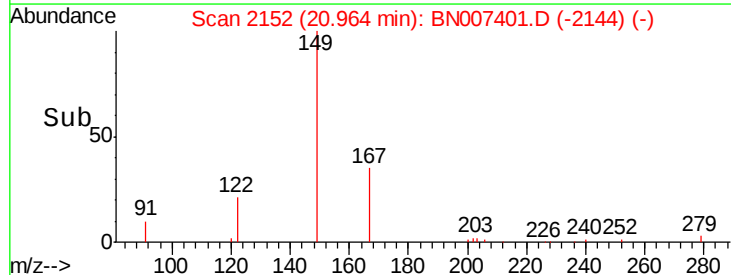
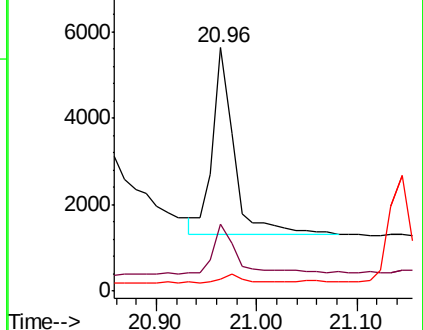
279 5.1 3.5 5.3

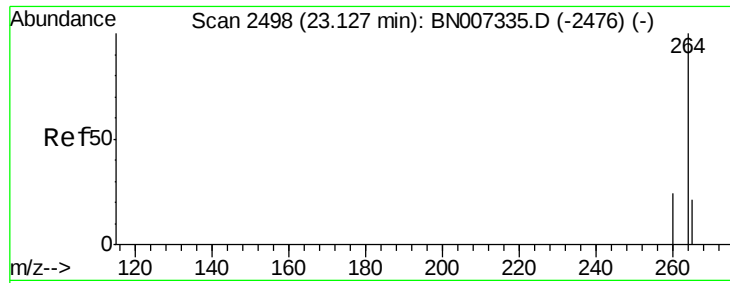


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

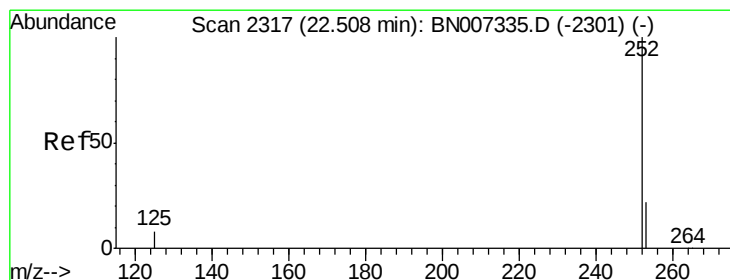
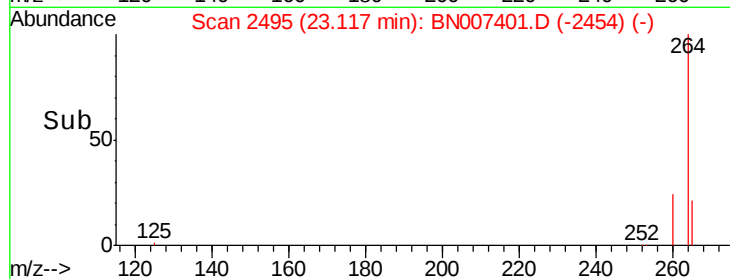
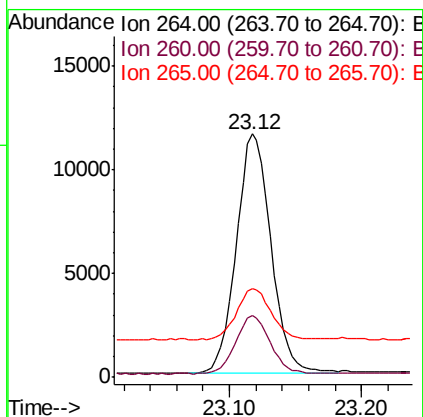
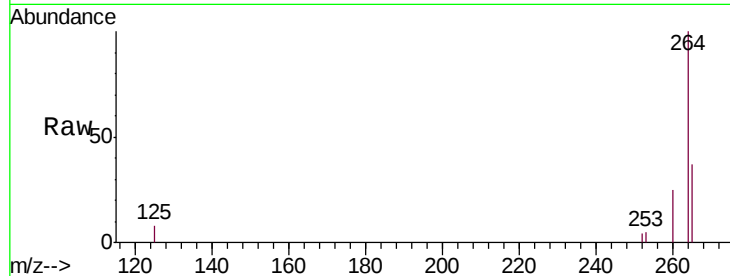




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.12 min Scan# 2495
 Delta R.T. -0.01 min
 Lab File: BN007401.D
 Acq: 25 Aug 2019 18:25

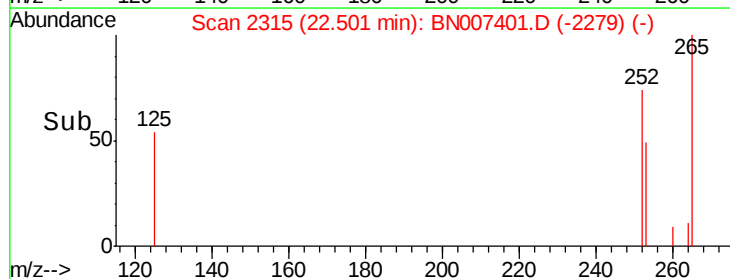
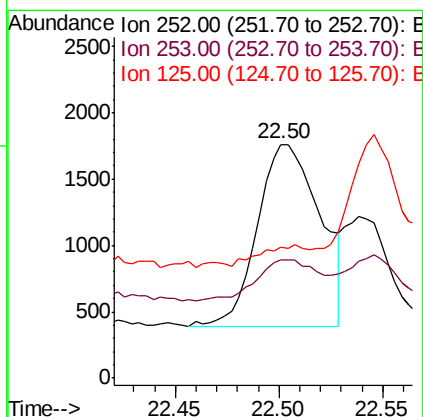
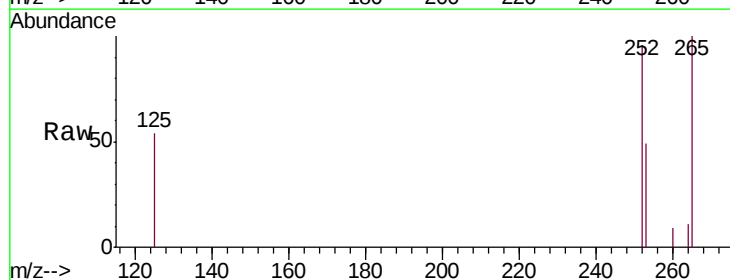
Instrument :
 BNA_N
 ClientSampleId :
 S600-M-1.0-1.5-082219-FD

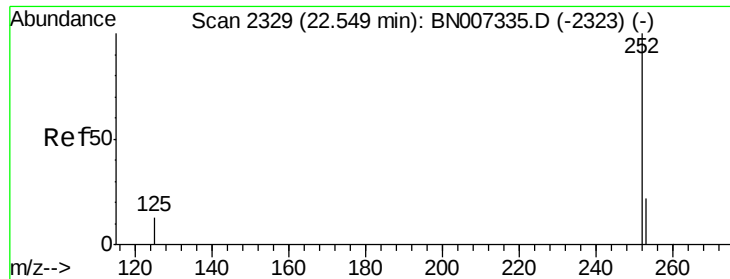
Tgt Ion: 264 Resp: 21208
 Ion Ratio Lower Upper
 264 100
 260 25.3 19.7 29.5
 265 36.5 29.9 44.9



#35
 Benzo(b)fluoranthene
 Concen: 0.038 ng
 RT: 22.50 min Scan# 2315
 Delta R.T. -0.01 min
 Lab File: BN007401.D
 Acq: 25 Aug 2019 18:25

Tgt Ion: 252 Resp: 2896
 Ion Ratio Lower Upper
 252 100
 253 50.7 19.2 28.8#
 125 56.0 10.6 16.0#





#36

Benzo(k)fluoranthene

Concen: 0.038 ng

RT: 22.50 min Scan# 2315

Delta R.T. -0.05 min

Lab File: BN007401.D

Acq: 25 Aug 2019 18:25

Instrument :

BNA_N

ClientSampleId :

S600-M-1.0-1.5-082219-FD

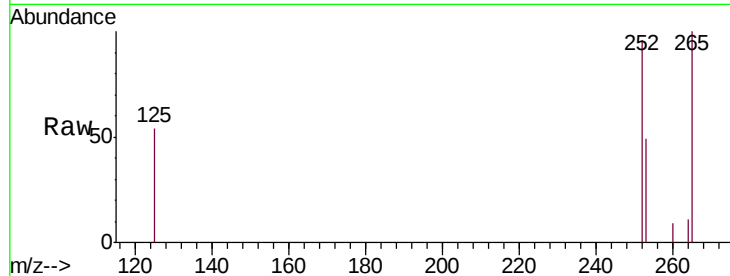
Tgt Ion:252 Resp: 2896

Ion Ratio Lower Upper

252 100

253 50.7 19.4 29.2#

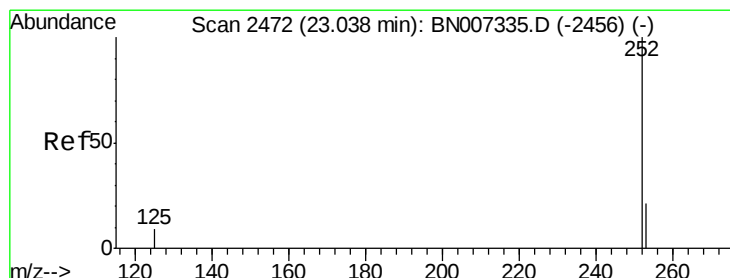
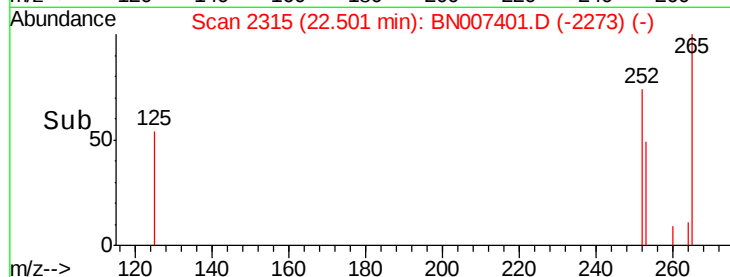
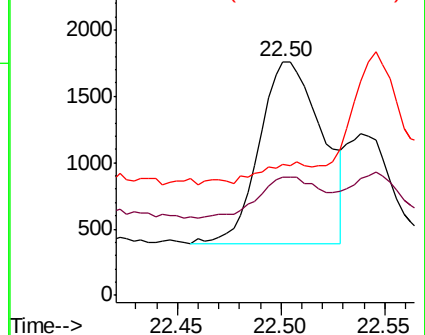
125 56.0 13.1 19.7#



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: 0.024 ng

RT: 23.03 min Scan# 2469

Delta R.T. -0.01 min

Lab File: BN007401.D

Acq: 25 Aug 2019 18:25

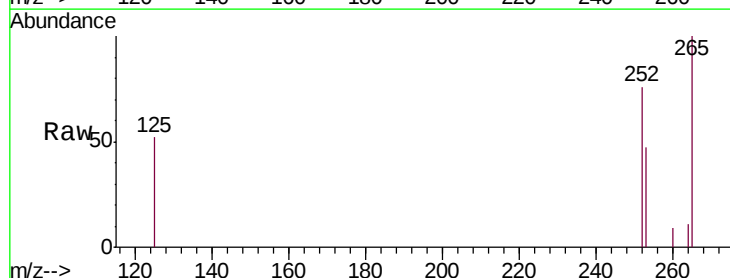
Tgt Ion:252 Resp: 1757

Ion Ratio Lower Upper

252 100

253 61.5 19.5 29.3#

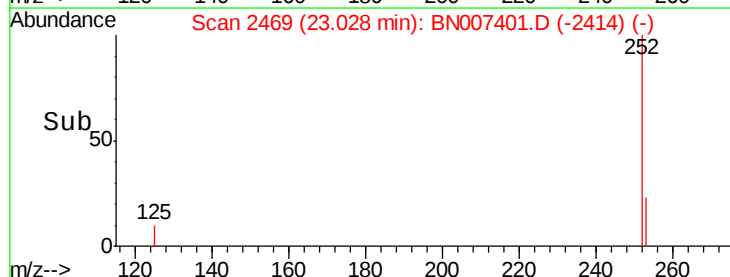
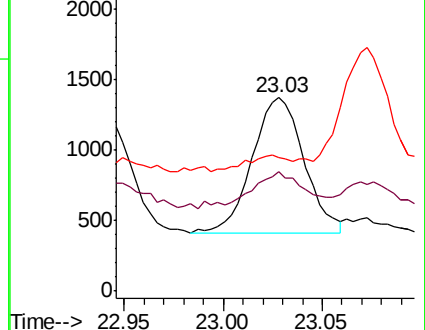
125 69.1 12.1 18.1#

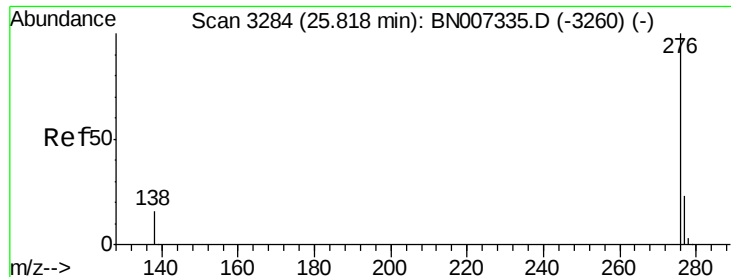


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.020 ng

RT: 25.80 min Scan# 3280

Delta R.T. -0.01 min

Lab File: BN007401.D

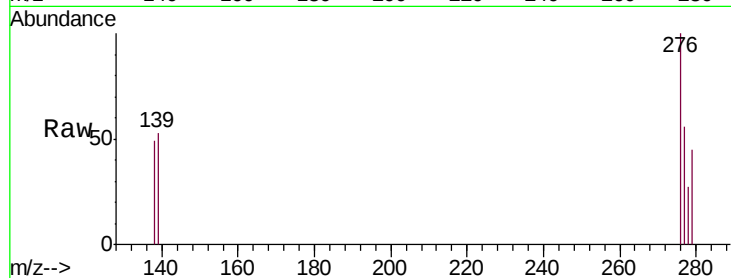
Acq: 25 Aug 2019 18:25

Instrument :

BNA_N

ClientSampleId :

S600-M-1.0-1.5-082219-FD



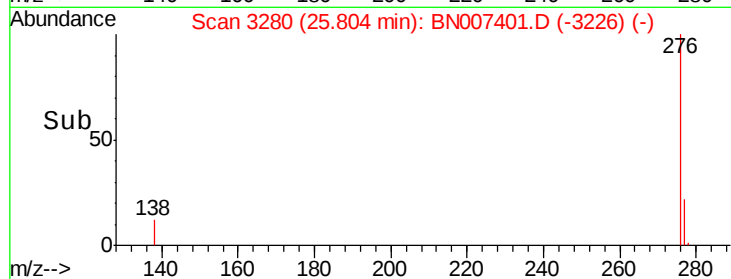
Tgt Ion: 276 Resp: 1476

Ion Ratio Lower Upper

276 100

277 55.5 19.6 29.4#

138 49.2 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

