

Data File : BN007397.D
Acq On : 25 Aug 2019 16:02
Operator : HP/JU
Sample : K4496-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Aug 26 05:22:25 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	3582	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	14340	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	7755	0.40	ng	0.00
19) Phenanthrene-d10	16.79	188	17472	0.40	ng	0.00
27) Chrysene-d12	21.02	240	18098	0.40	ng	0.00
34) Perylene-d12	23.12	264	20897	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.03	112	4274	0.34	ng	0.00
5) Phenol-d6	6.59	99	5559	0.35	ng	0.00
8) Nitrobenzene-d5	8.53	82	4168	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	11.76	152	7904	0.33	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	1416	0.35	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	9901	0.32	ng	0.00
25) Fluoranthene-d10	18.84	212	17756	0.32	ng	0.00
29) Terphenyl-d14	19.46	244	12888	0.27	ng	0.00

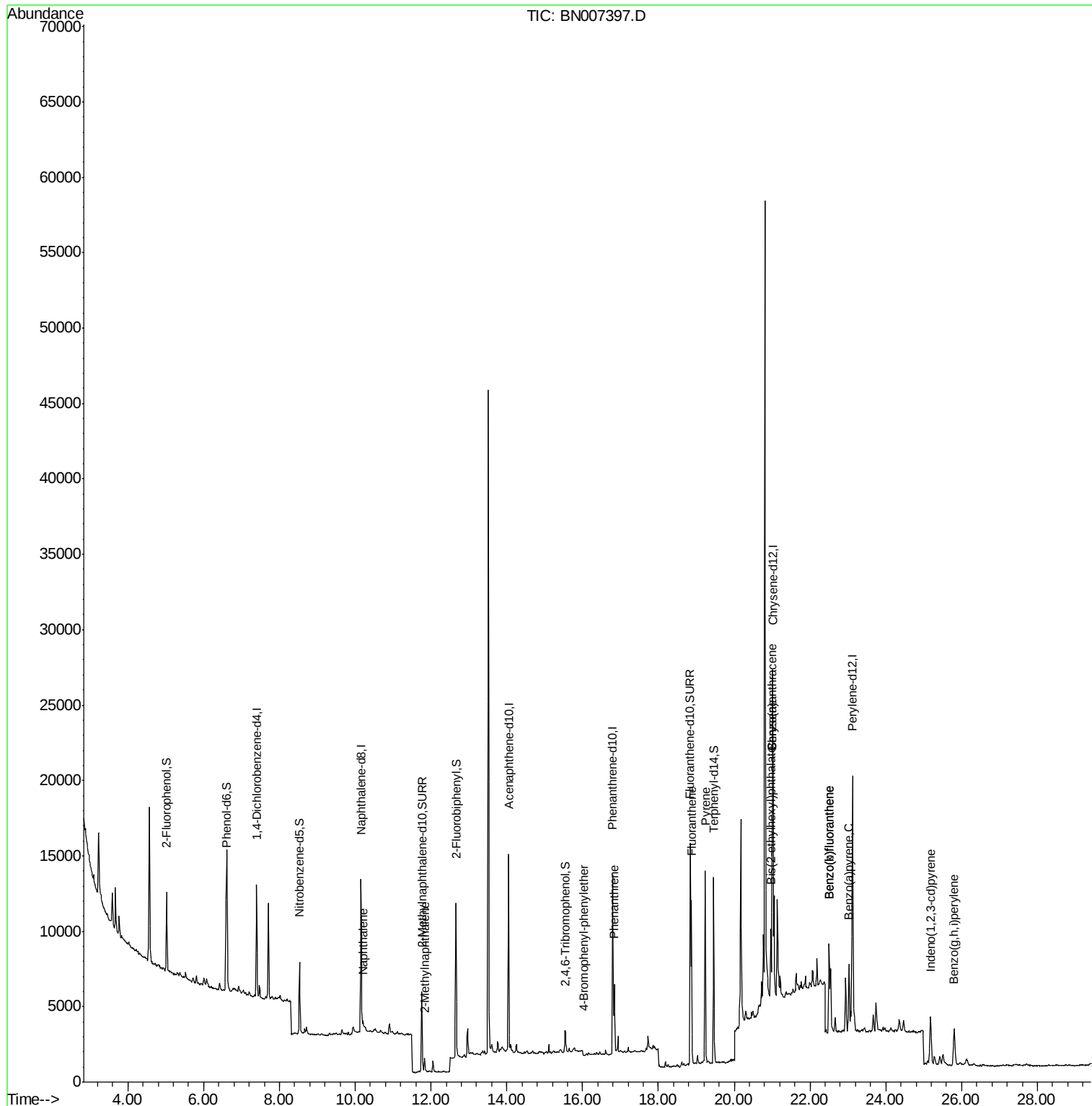
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.20	128	890	0.022	ng	# 84
12) 2-Methylnaphthalene	11.83	142	657	0.024	ng	# 88
20) 4-Bromophenyl-phenylether	16.02	248	172	0.025	ng	# 23
23) Phenanthrene	16.84	178	4713	0.090	ng	97
26) Fluoranthene	18.87	202	10519	0.156	ng	99
28) Pyrene	19.24	202	11799	0.162	ng	# 95
30) Benzo(a)anthracene	21.00	228	6732	0.095	ng	# 90
31) Chrysene	21.00	228	5511	0.080	ng	94
32) Bis(2-ethylhexyl)phthalate	20.97	149	4737	0.084	ng	# 98
33) Indeno(1,2,3-cd)pyrene	25.18	276	4648	0.056	ng	97
35) Benzo(b)fluoranthene	22.51	252	9149	0.121	ng	# 85
36) Benzo(k)fluoranthene	22.51	252	9149	0.122	ng	# 88
37) Benzo(a)pyrene	23.03	252	6332	0.088	ng	# 83
39) Benzo(g,h,i)perylene	25.81	276	5016	0.070	ng	# 86

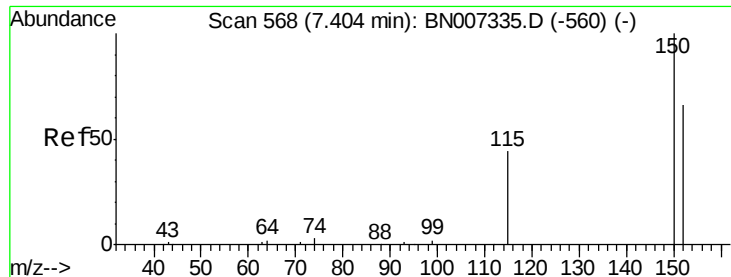
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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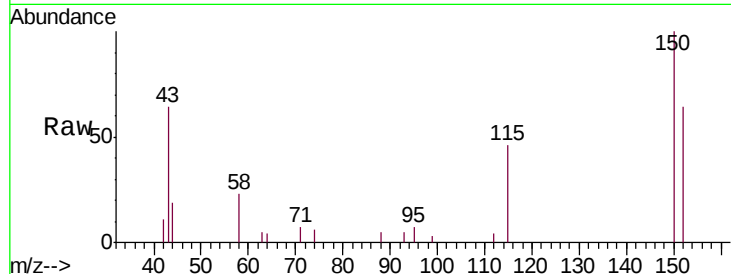


#1

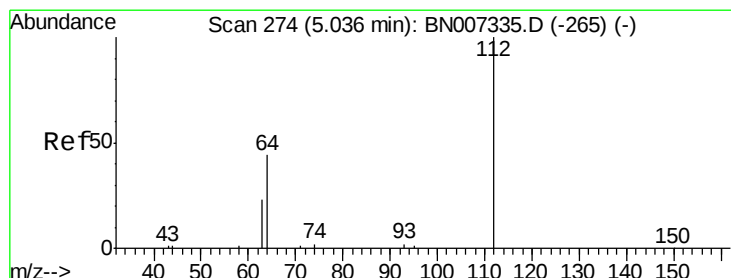
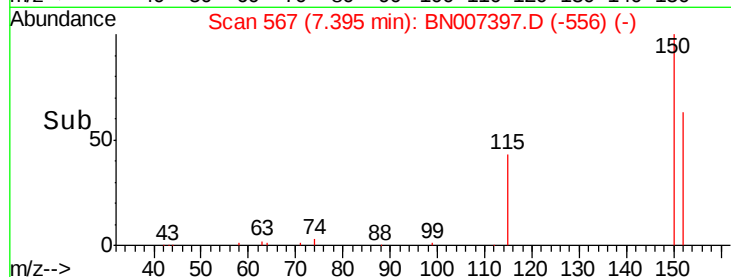
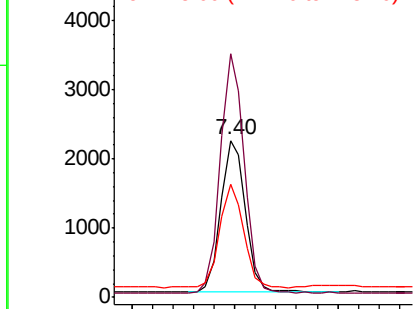
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 567
Delta R.T. -0.01 min
Lab File: BN007397.D
Acq: 25 Aug 2019 16:02

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

Tgt Ion:152 Resp: 3582
Ion Ratio Lower Upper
152 100
150 155.5 109.1 163.7
115 72.0 59.6 89.4



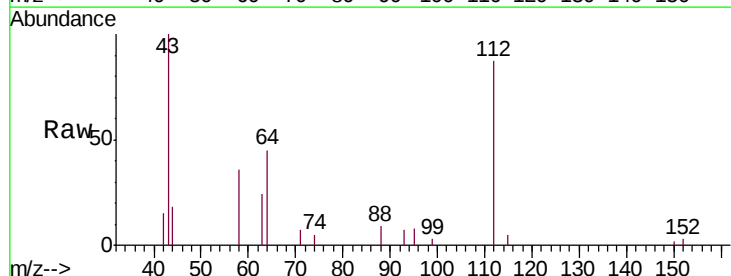
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



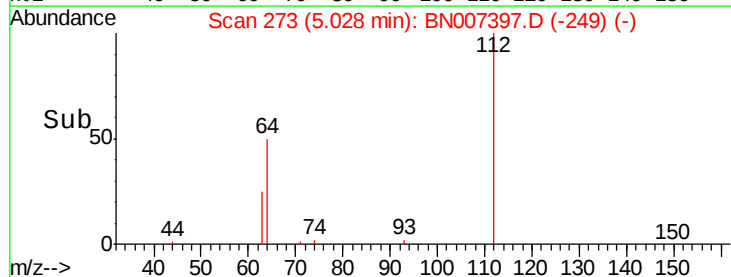
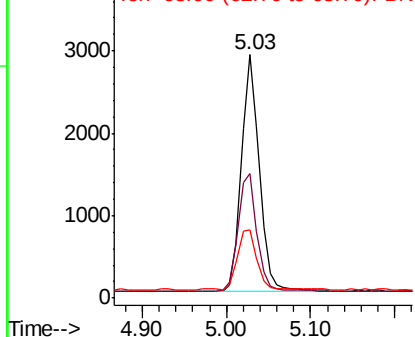
#4

2-Fluorophenol
Concen: 0.339 ng
RT: 5.03 min Scan# 273
Delta R.T. -0.01 min
Lab File: BN007397.D
Acq: 25 Aug 2019 16:02

Tgt Ion:112 Resp: 4274
Ion Ratio Lower Upper
112 100
64 51.4 42.3 63.5
63 26.2 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: 0.348 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007397.D

Acq: 25 Aug 2019 16:02

Instrument :

BNA_N

ClientSampleId :

S600-M-1.0-1.5-082219

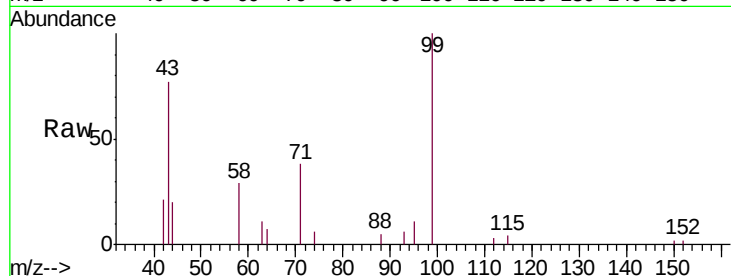
Tgt Ion: 99 Resp: 5559

Ion Ratio Lower Upper

99 100

42 17.9 11.2 16.8#

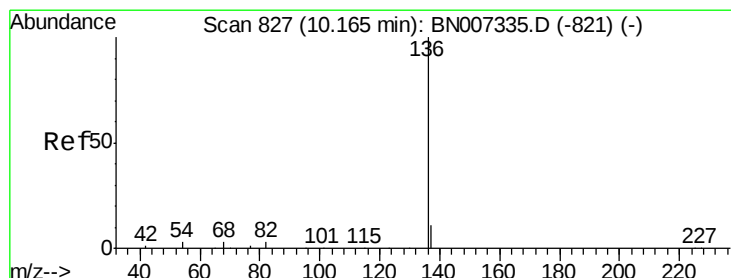
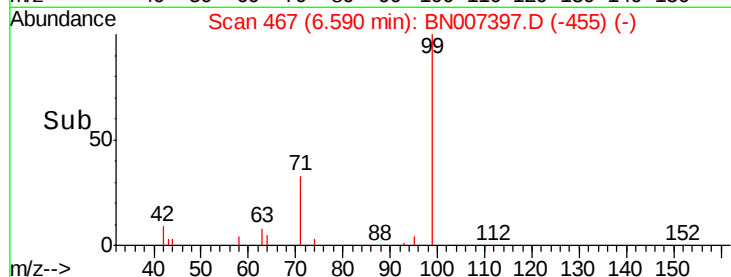
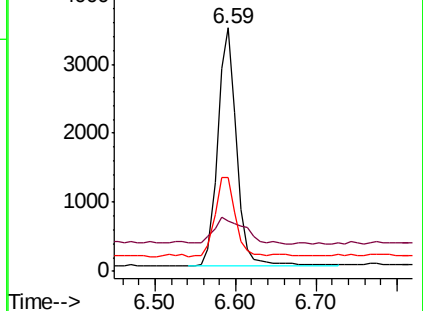
71 35.7 31.8 47.8



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: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007397.D

Acq: 25 Aug 2019 16:02

Tgt Ion: 136 Resp: 14340

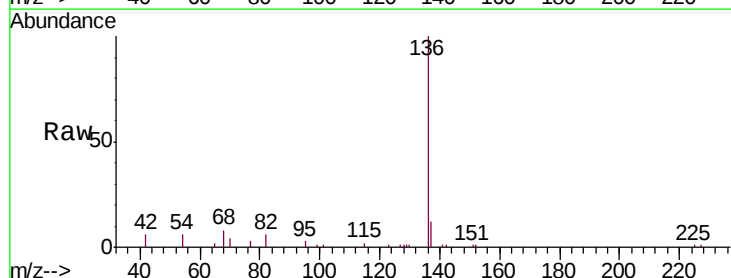
Ion Ratio Lower Upper

136 100

137 11.5 12.9 19.3#

54 6.1 8.6 12.8#

68 8.2 17.0 25.4#

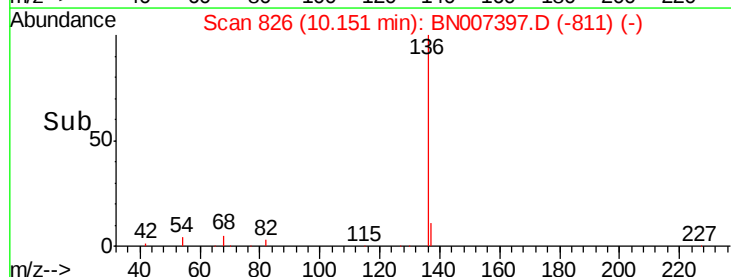
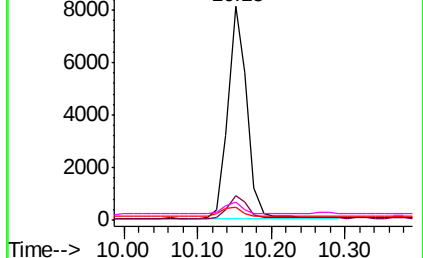


Abundance Ion 136.00 (135.70 to 136.70): BN007335.D (-821) (-)

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: 0.334 ng

RT: 8.53 min Scan# 698

Delta R.T. -0.00 min

Lab File: BN007397.D

Acq: 25 Aug 2019 16:02

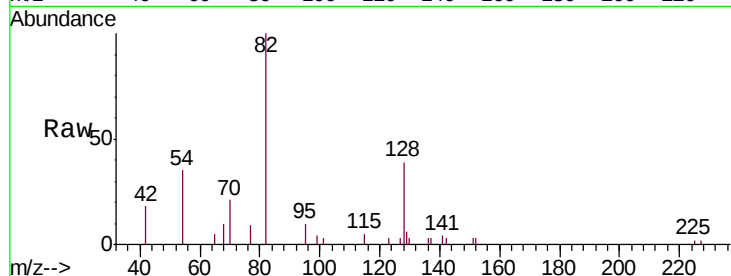
Instrument :

BNA_N

ClientSampleId :

S600-M-1.0-1.5-082219

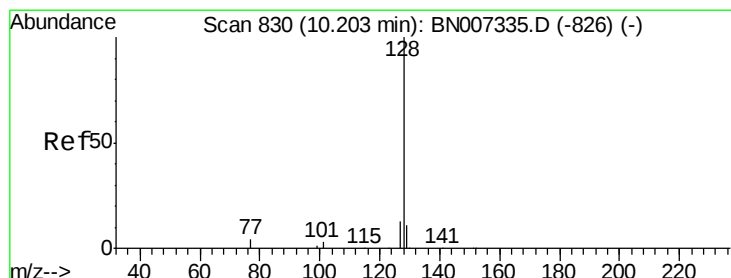
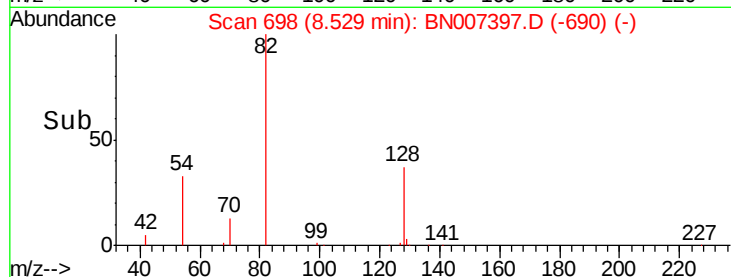
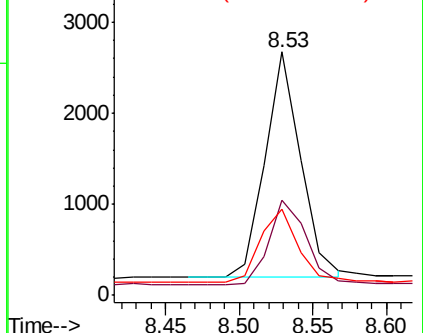
Tgt Ion:	82	Resp:	4168
Ion	Ratio	Lower	Upper
82	100		
128	39.0	19.7	29.5#
54	35.5	25.8	38.6



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

Ion 128.00 (127.70 to 128.70): BN007335.D (-695) (-)

Ion 54.00 (53.70 to 54.70): BN007335.D (-695) (-)



#9

Naphthalene

Concen: 0.022 ng

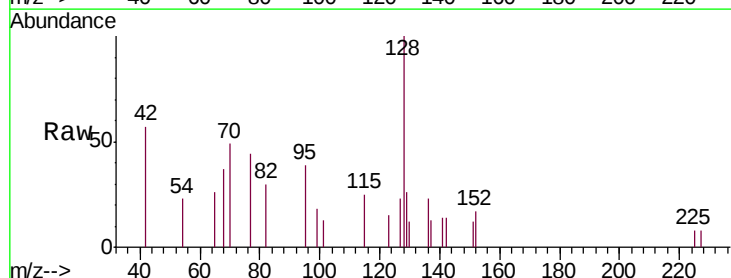
RT: 10.20 min Scan# 830

Delta R.T. -0.00 min

Lab File: BN007397.D

Acq: 25 Aug 2019 16:02

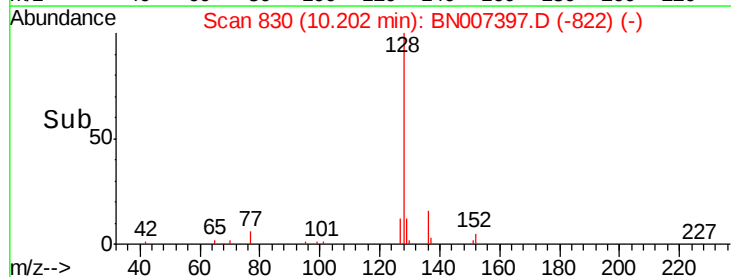
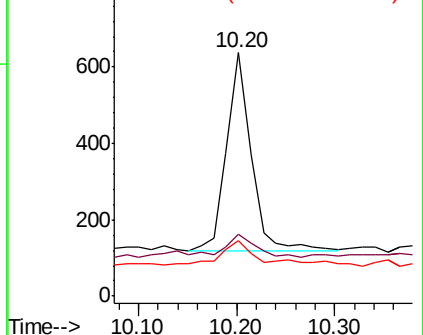
Tgt Ion:	128	Resp:	890
Ion	Ratio	Lower	Upper
128	100		
129	25.5	11.1	16.7#
127	22.7	15.5	23.3



Abundance Ion 128.00 (127.70 to 128.70): BN007335.D (-826) (-)

Ion 129.00 (128.70 to 129.70): BN007335.D (-826) (-)

Ion 127.00 (126.70 to 127.70): BN007335.D (-826) (-)





#11

2-Methylnaphthalene-d10

Concen: 0.332 ng

RT: 11.76 min Scan# 989

Delta R.T. -0.01 min

Lab File: BN007397.D

Acq: 25 Aug 2019 16:02

Instrument :

BNA_N

ClientSampleId :

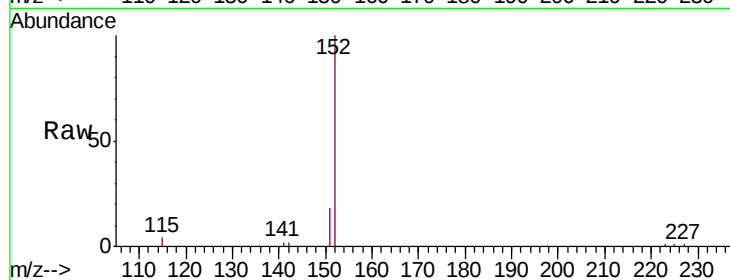
S600-M-1.0-1.5-082219

Tgt Ion:152 Resp: 7904

Ion Ratio Lower Upper

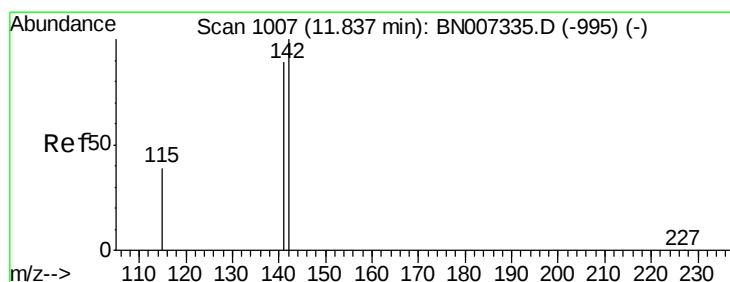
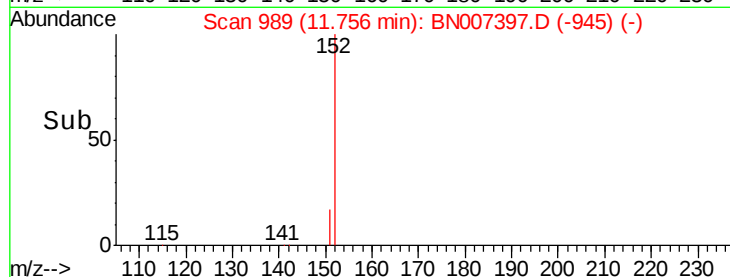
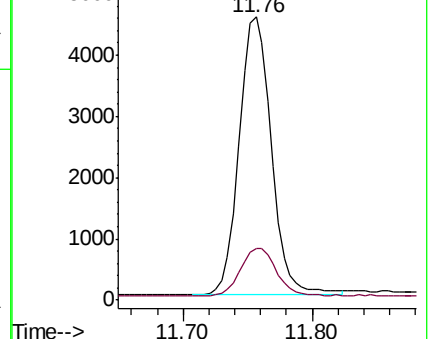
152 100

151 19.2 16.2 24.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.024 ng

RT: 11.83 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BN007397.D

Acq: 25 Aug 2019 16:02

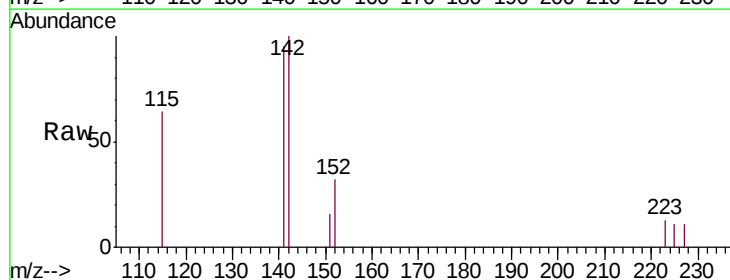
Tgt Ion:142 Resp: 657

Ion Ratio Lower Upper

142 100

141 94.5 72.8 109.2

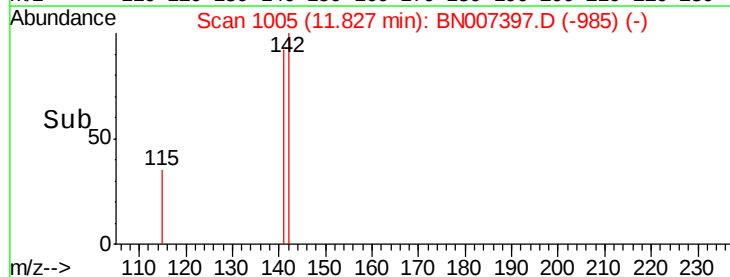
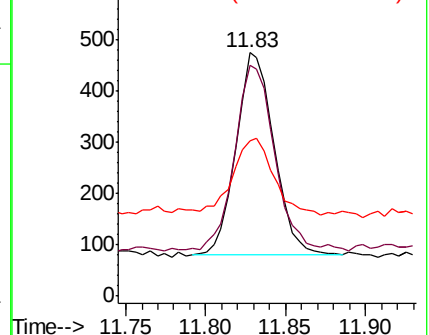
115 63.7 35.2 52.8#

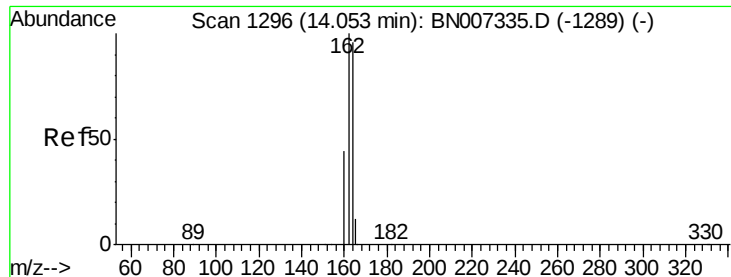


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BN007397.D

Acq: 25 Aug 2019 16:02

Instrument :

BNA_N

ClientSampleId :

S600-M-1.0-1.5-082219

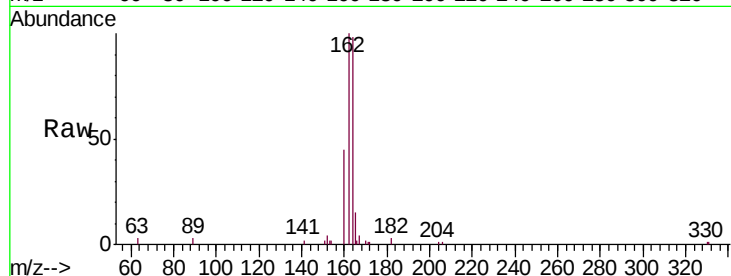
Tgt Ion:164 Resp: 7755

Ion Ratio Lower Upper

164 100

162 101.6 83.5 125.3

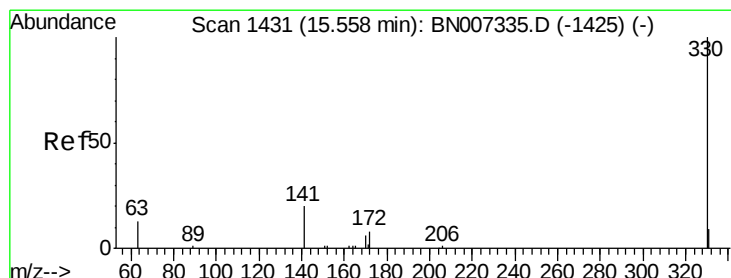
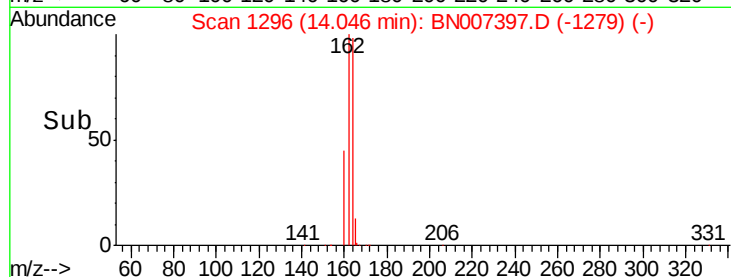
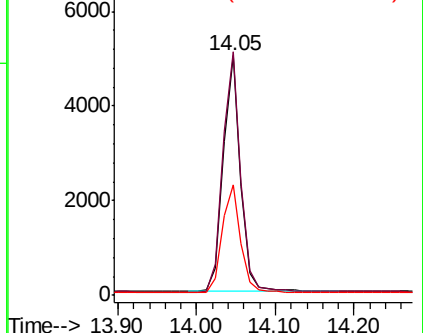
160 46.0 38.2 57.4



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: 0.349 ng

RT: 15.55 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BN007397.D

Acq: 25 Aug 2019 16:02

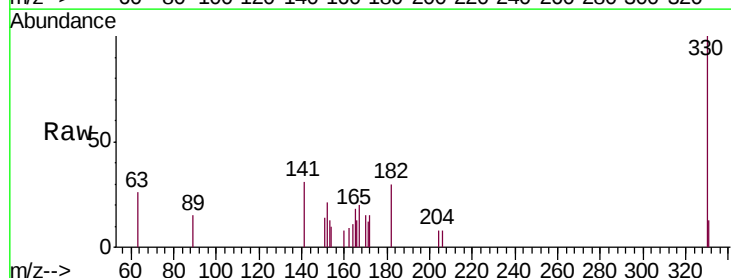
Tgt Ion:330 Resp: 1416

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

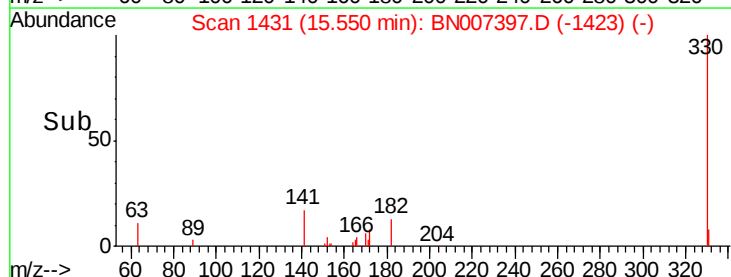
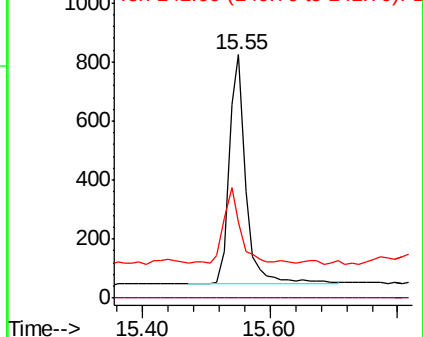
141 30.9 26.9 40.3

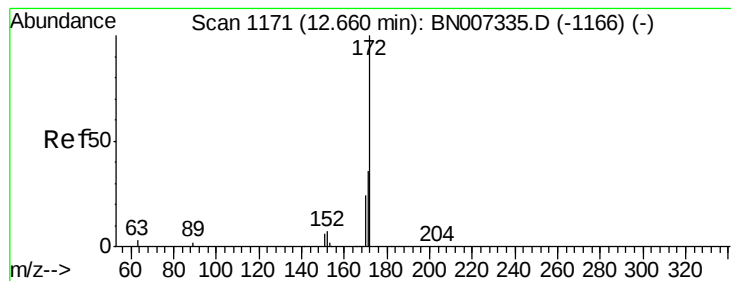


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.317 ng

RT: 12.66 min Scan# 1172

Delta R.T. 0.00 min

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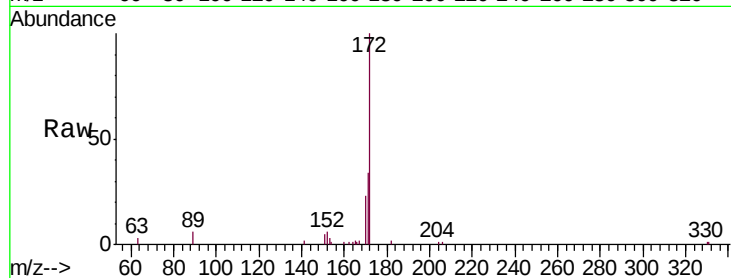
Tgt Ion:172 Resp: 9901

Ion Ratio Lower Upper

172 100

171 34.4 30.3 45.5

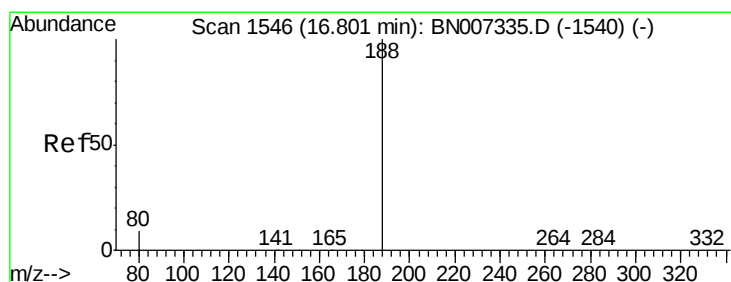
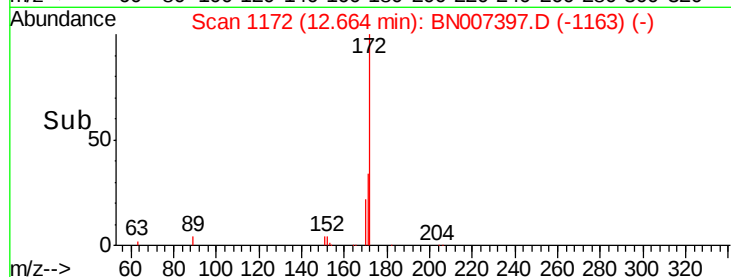
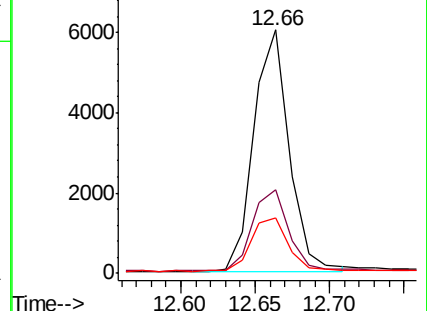
170 22.7 20.7 31.1



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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.79 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BN007397.D

Acq: 25 Aug 2019 16:02

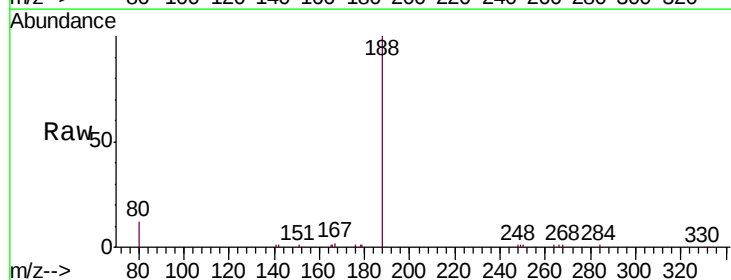
Tgt Ion:188 Resp: 17472

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

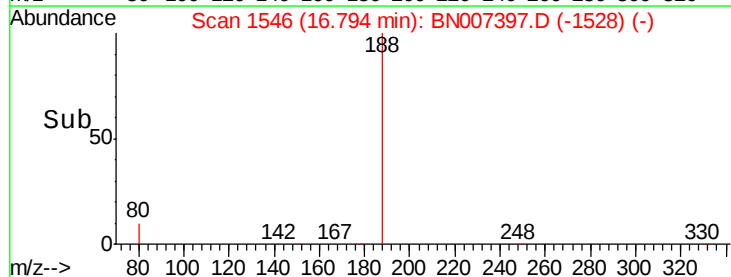
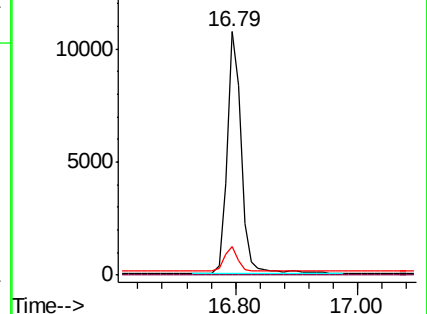
80 11.8 11.8 17.8#

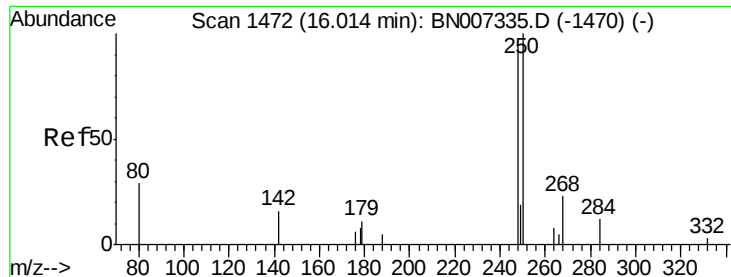


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC

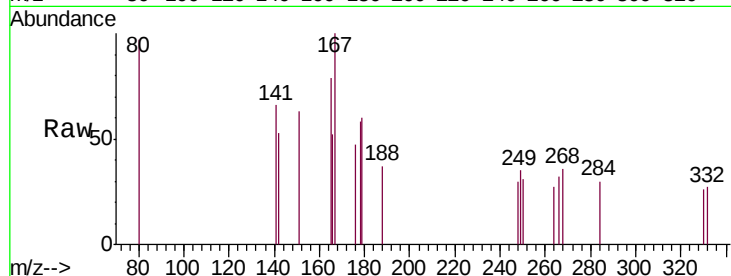




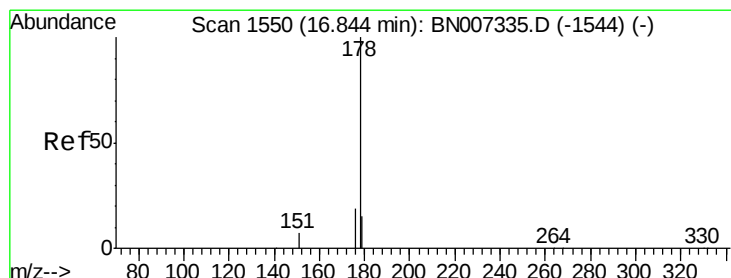
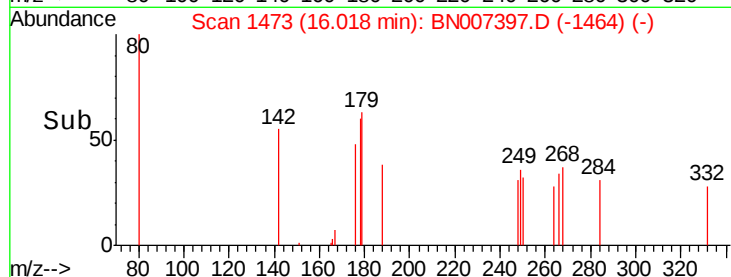
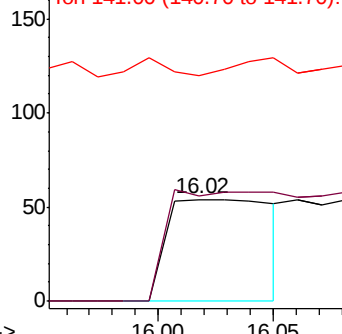
#20
4-Bromophenyl-phenylether
Concen: 0.025 ng
RT: 16.02 min Scan# 1473
Delta R.T. 0.00 min
Lab File: BN007397.D
Acq: 25 Aug 2019 16:02

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

Tgt Ion:248 Resp: 172
Ion Ratio Lower Upper
248 100
250 103.7 85.0 127.6
141 222.2 51.7 77.5#

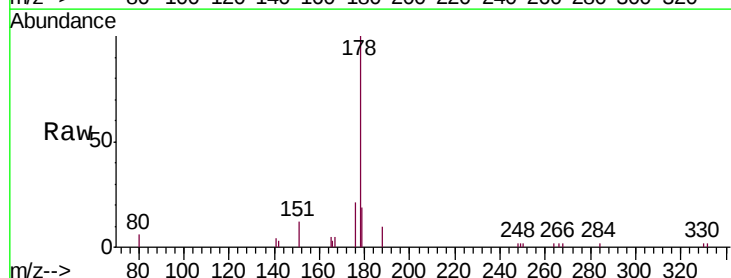


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

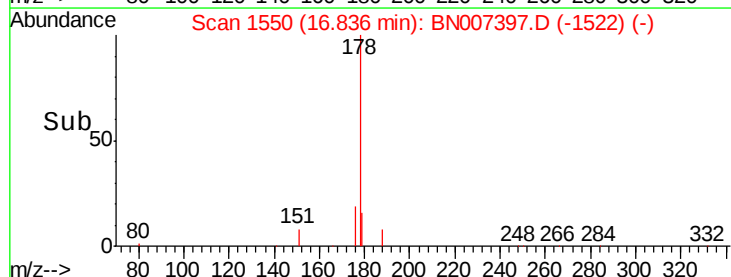
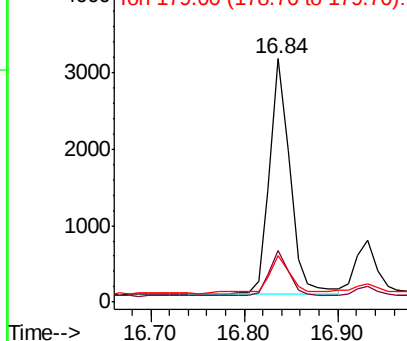


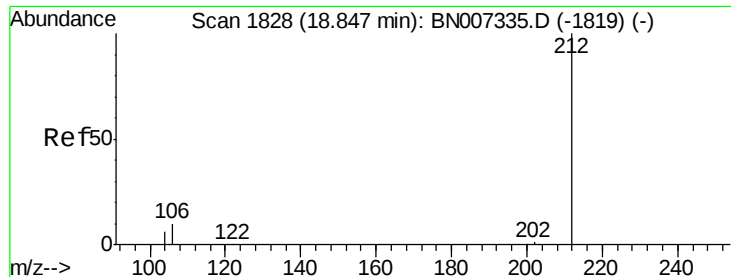
#23
Phenanthrene
Concen: 0.090 ng
RT: 16.84 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BN007397.D
Acq: 25 Aug 2019 16:02

Tgt Ion:178 Resp: 4713
Ion Ratio Lower Upper
178 100
176 17.8 15.3 22.9
179 17.1 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: 0.316 ng

RT: 18.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BN007397.D

Acq: 25 Aug 2019 16:02

Instrument :

BNA_N

ClientSampleId :

S600-M-1.0-1.5-082219

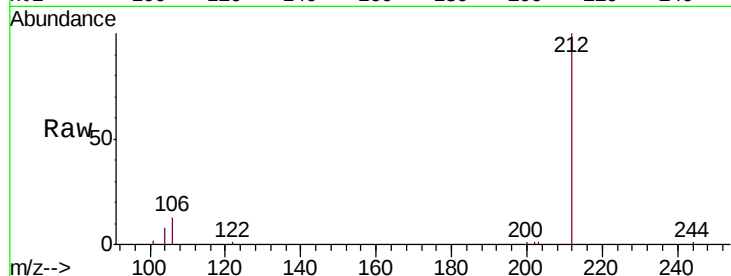
Tgt Ion:212 Resp: 17756

Ion Ratio Lower Upper

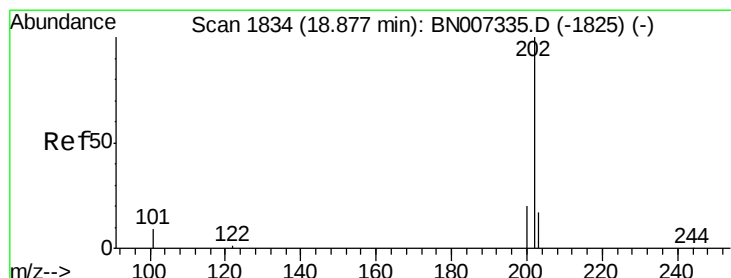
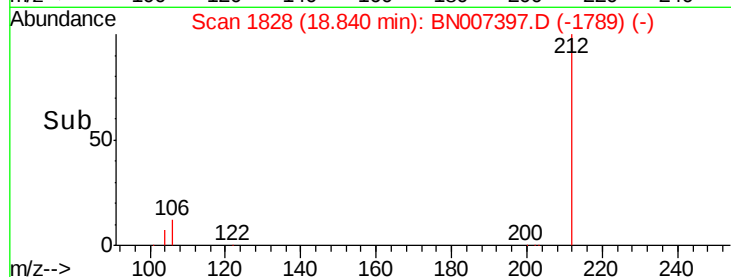
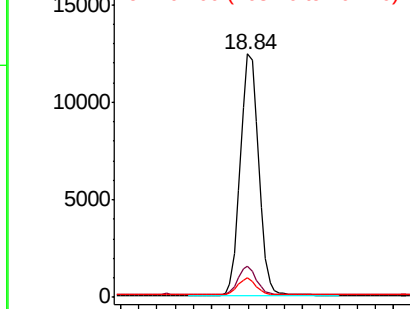
212 100

106 11.3 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: 0.156 ng

RT: 18.87 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BN007397.D

Acq: 25 Aug 2019 16:02

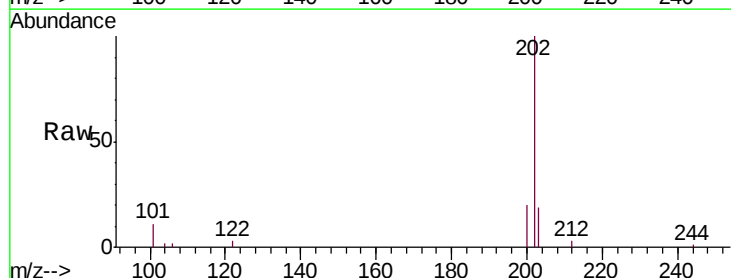
Tgt Ion:202 Resp: 10519

Ion Ratio Lower Upper

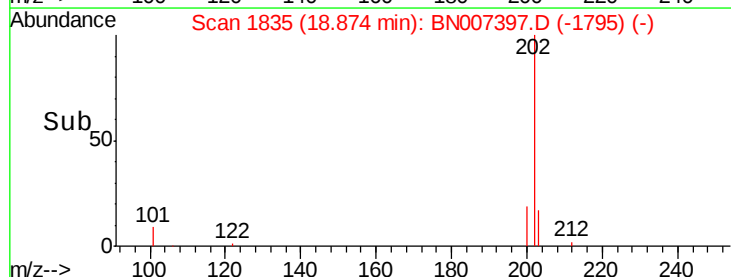
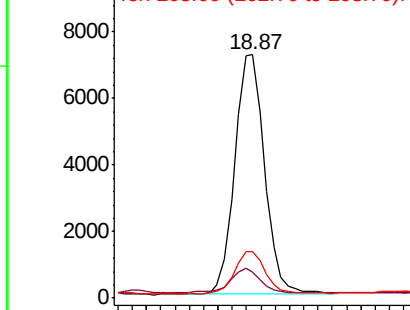
202 100

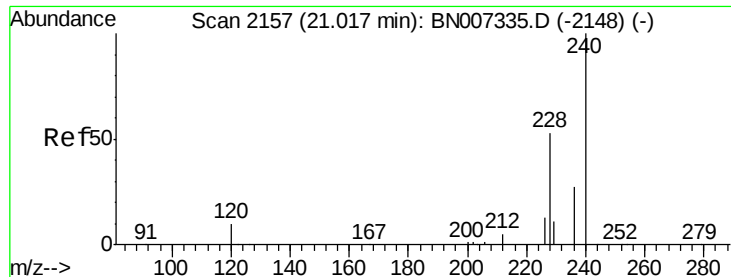
101 10.0 7.7 11.5

203 17.5 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: BN007397.D

Acq: 25 Aug 2019 16:02

Instrument :

BNA_N

ClientSampleId :

S600-M-1.0-1.5-082219

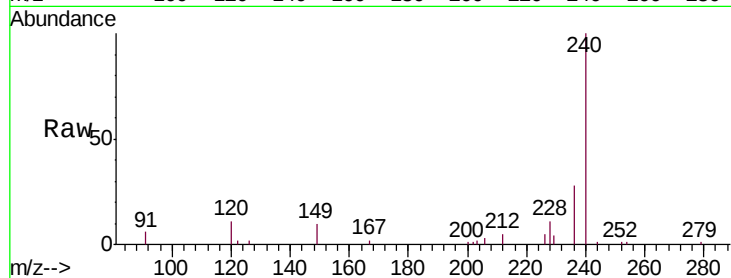
Tgt Ion:240 Resp: 18098

Ion Ratio Lower Upper

240 100

120 10.5 9.6 14.4

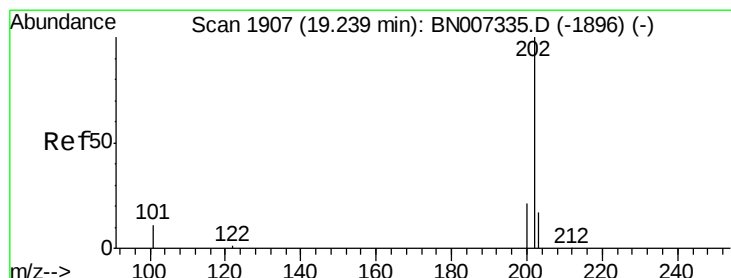
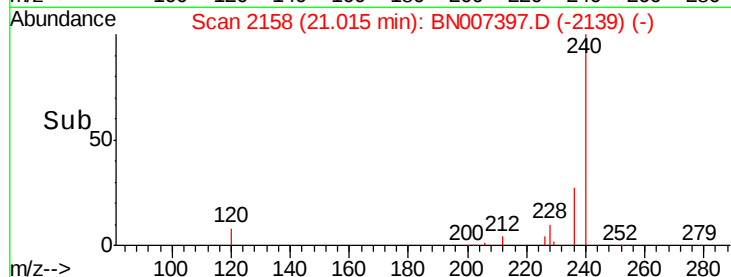
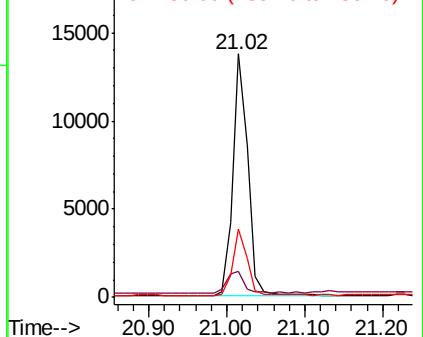
236 28.2 22.2 33.2



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: 0.162 ng

RT: 19.24 min Scan# 1908

Delta R.T. -0.00 min

Lab File: BN007397.D

Acq: 25 Aug 2019 16:02

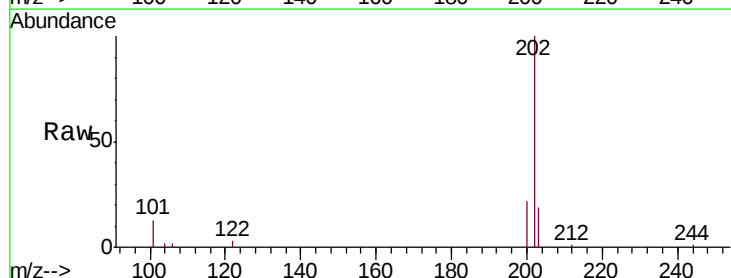
Tgt Ion:202 Resp: 11799

Ion Ratio Lower Upper

202 100

200 21.0 16.6 25.0

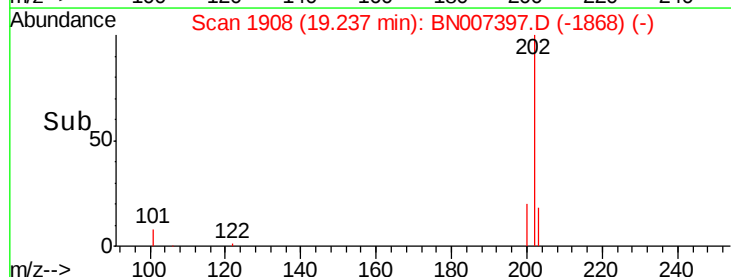
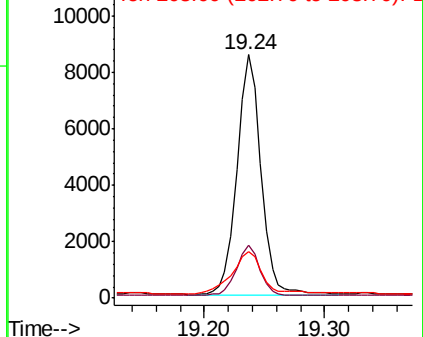
203 22.1 14.2 21.4#

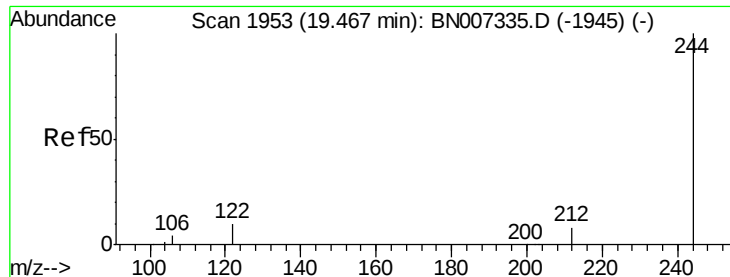


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.272 ng

RT: 19.46 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BN007397.D

Acq: 25 Aug 2019 16:02

Instrument :

BNA_N

ClientSampleId :

S600-M-1.0-1.5-082219

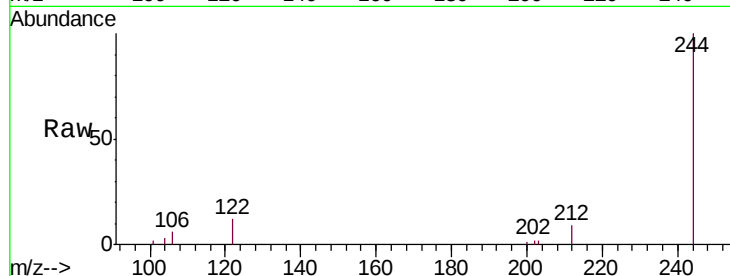
Tgt Ion:244 Resp: 12888

Ion Ratio Lower Upper

244 100

212 8.6 7.0 10.6

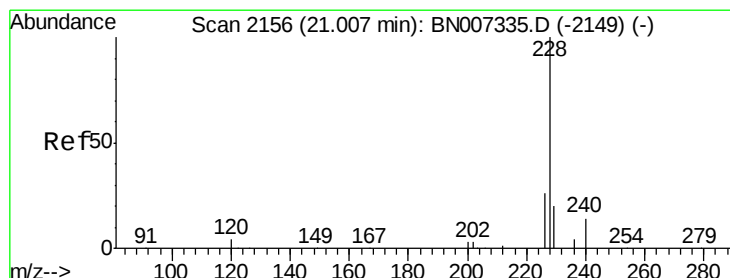
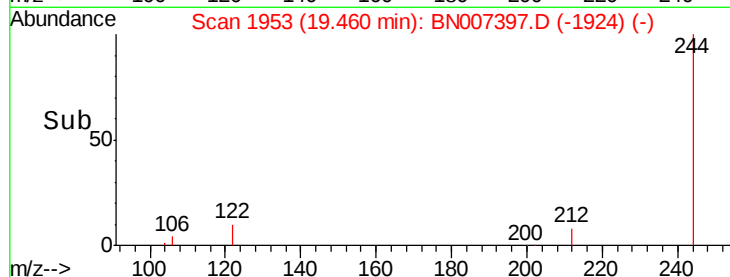
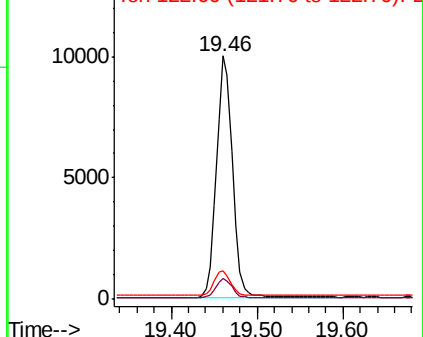
122 11.8 9.6 14.4



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: 0.095 ng

RT: 21.00 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BN007397.D

Acq: 25 Aug 2019 16:02

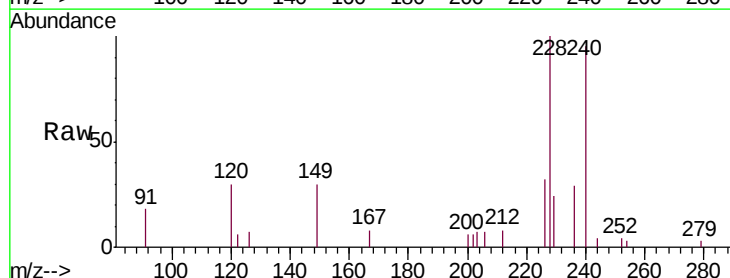
Tgt Ion:228 Resp: 6732

Ion Ratio Lower Upper

228 100

226 31.6 21.3 31.9

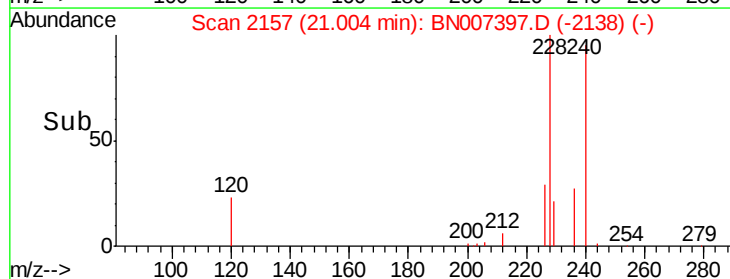
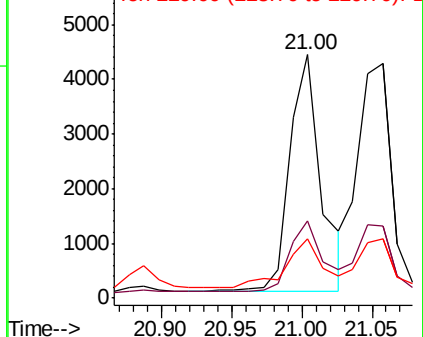
229 24.3 16.1 24.1#

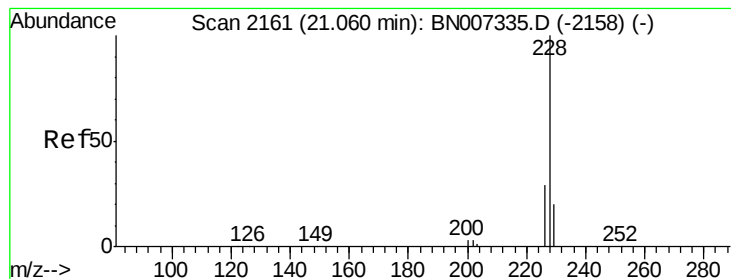


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.080 ng

RT: 21.00 min Scan# 2157

Delta R.T. -0.06 min

Lab File: BN007397.D

Acq: 25 Aug 2019 16:02

Instrument :

BNA_N

ClientSampleId :

S600-M-1.0-1.5-082219

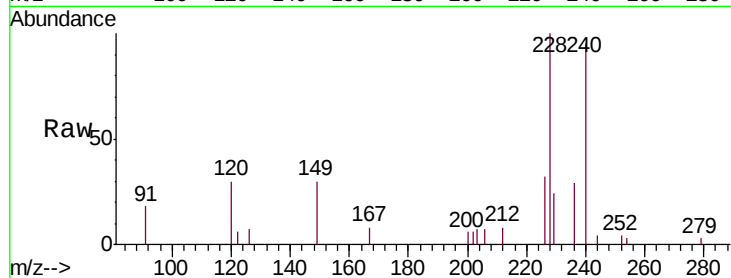
Tgt Ion:228 Resp: 5511

Ion Ratio Lower Upper

228 100

226 31.6 23.5 35.3

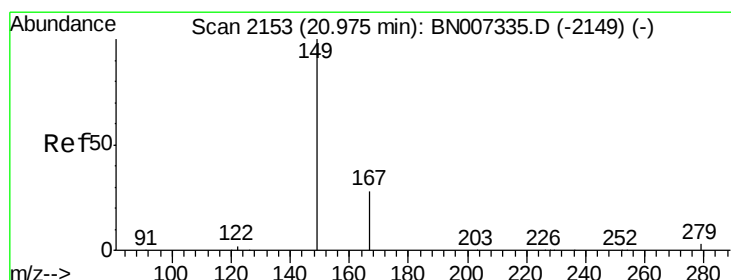
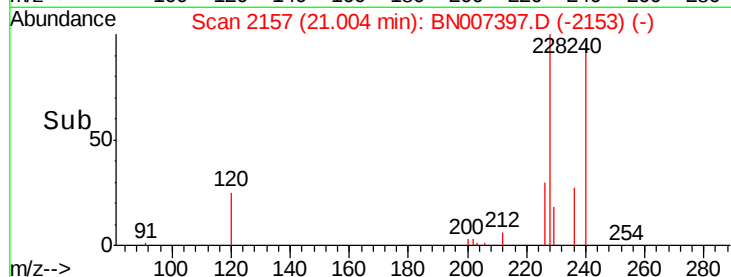
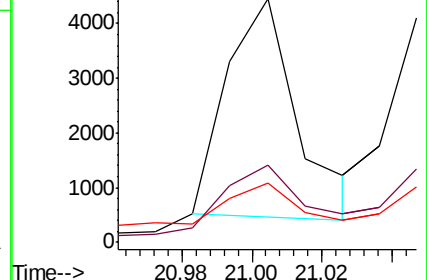
229 24.3 16.6 24.8



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: 0.084 ng

RT: 20.97 min Scan# 2154

Delta R.T. -0.00 min

Lab File: BN007397.D

Acq: 25 Aug 2019 16:02

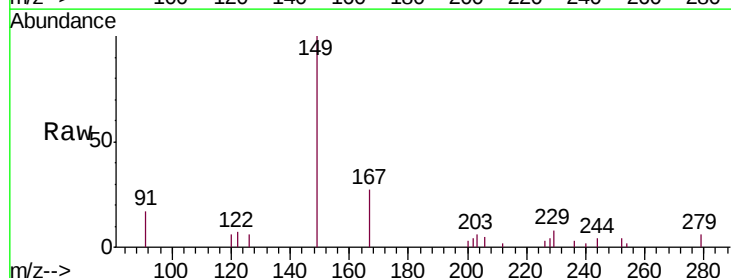
Tgt Ion:149 Resp: 4737

Ion Ratio Lower Upper

149 100

167 29.3 22.8 34.2

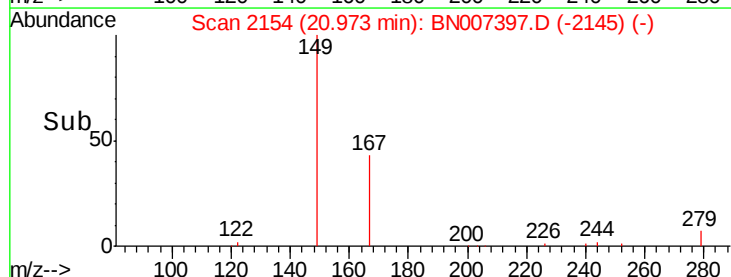
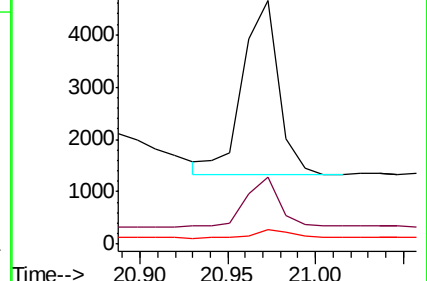
279 5.4 3.5 5.3#

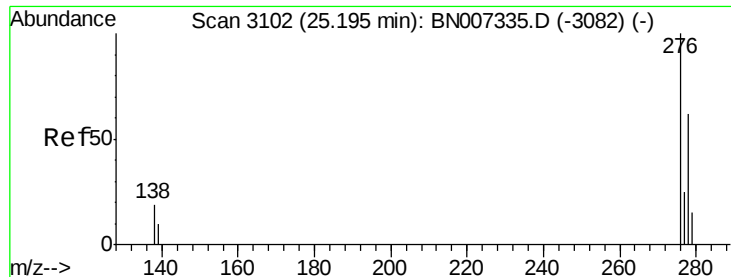


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.056 ng

RT: 25.18 min Scan# 3099

Delta R.T. -0.02 min

Lab File: BN007397.D

Acq: 25 Aug 2019 16:02

Instrument :

BNA_N

ClientSampleId :

S600-M-1.0-1.5-082219

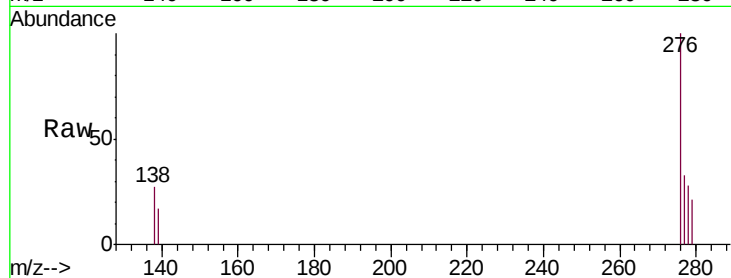
Tgt Ion:276 Resp: 4648

Ion Ratio Lower Upper

276 100

138 17.5 15.1 22.7

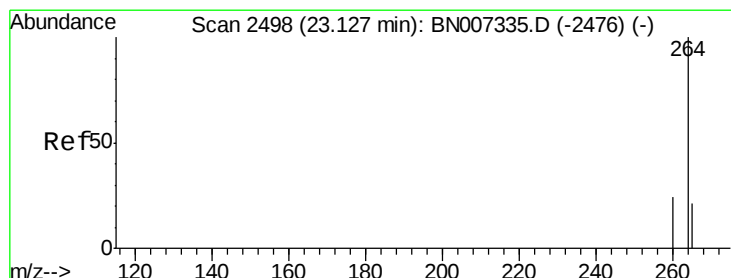
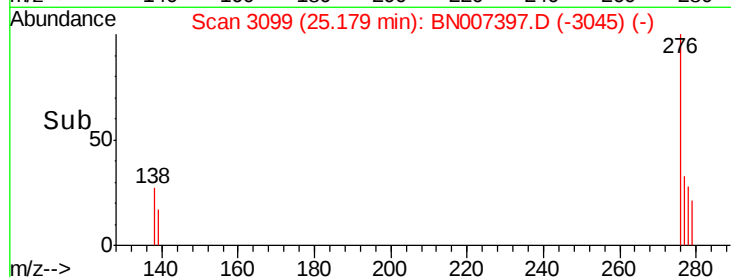
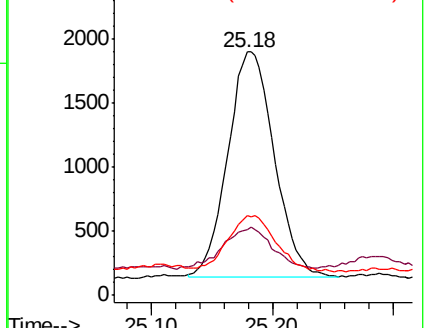
277 26.1 19.7 29.5



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: BN007397.D

Acq: 25 Aug 2019 16:02

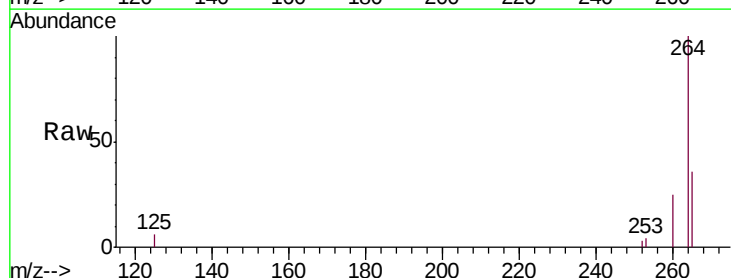
Tgt Ion:264 Resp: 20897

Ion Ratio Lower Upper

264 100

260 24.5 19.7 29.5

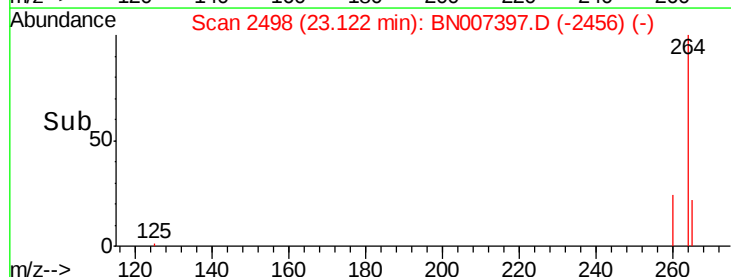
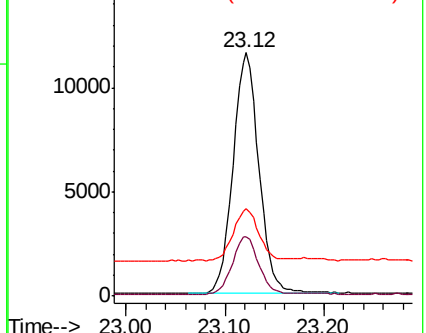
265 35.9 29.9 44.9

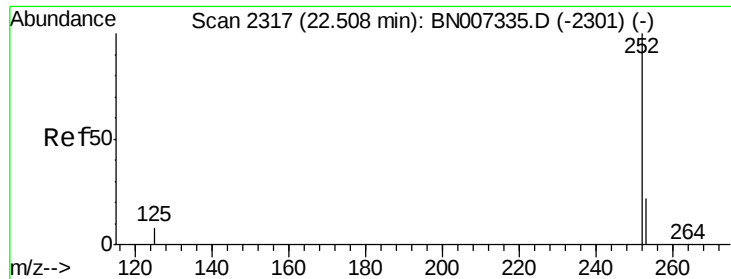


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.121 ng

RT: 22.51 min Scan# 2318

Delta R.T. -0.00 min

Lab File: BN007397.D

Acq: 25 Aug 2019 16:02

Instrument :

BNA_N

ClientSampleId :

S600-M-1.0-1.5-082219

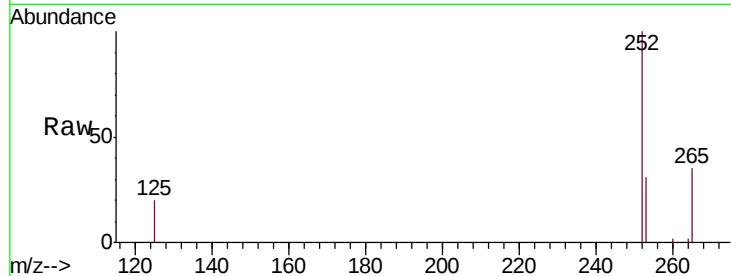
Tgt Ion:252 Resp: 9149

Ion Ratio Lower Upper

252 100

253 31.0 19.2 28.8#

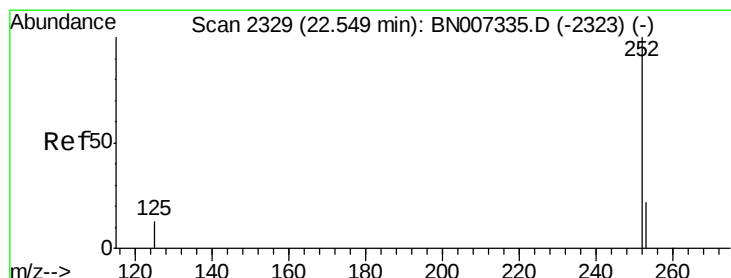
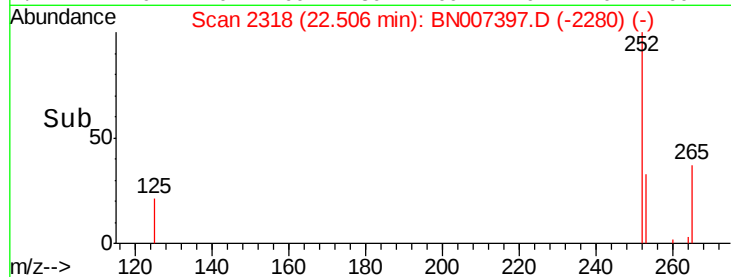
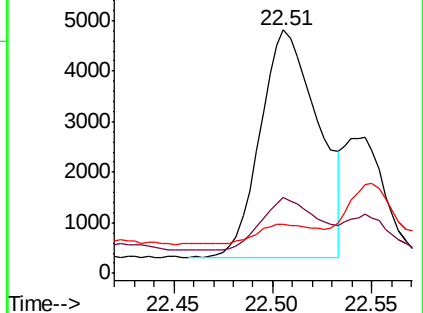
125 20.1 10.6 16.0#



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: 0.122 ng

RT: 22.51 min Scan# 2318

Delta R.T. -0.04 min

Lab File: BN007397.D

Acq: 25 Aug 2019 16:02

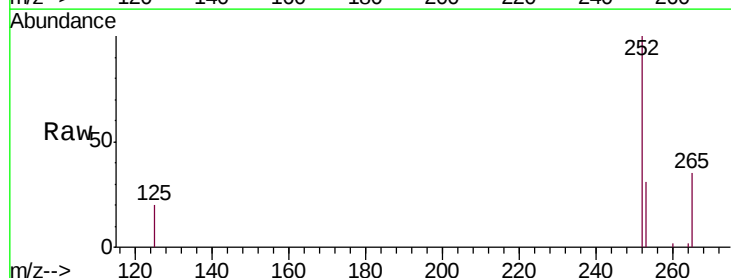
Tgt Ion:252 Resp: 9149

Ion Ratio Lower Upper

252 100

253 31.0 19.4 29.2#

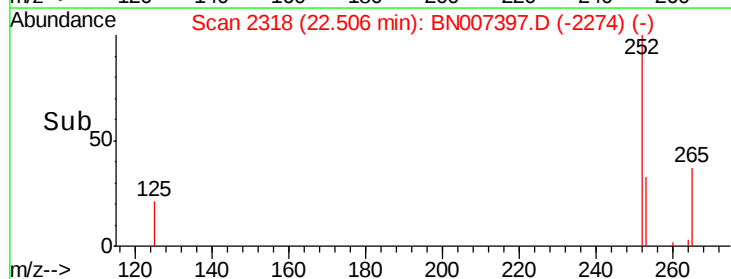
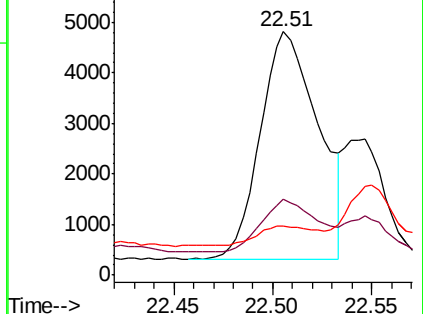
125 20.1 13.1 19.7#

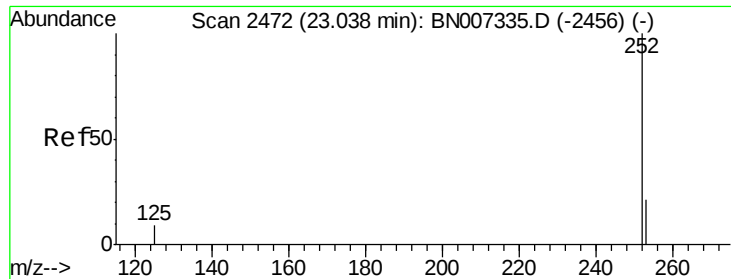


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.088 ng

RT: 23.03 min Scan# 2471

Delta R.T. -0.01 min

Lab File: BN007397.D

Acq: 25 Aug 2019 16:02

Instrument :

BNA_N

ClientSampleId :

S600-M-1.0-1.5-082219

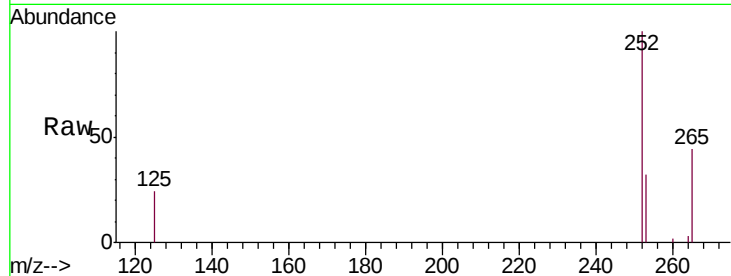
Tgt Ion:252 Resp: 6332

Ion Ratio Lower Upper

252 100

253 32.2 19.5 29.3#

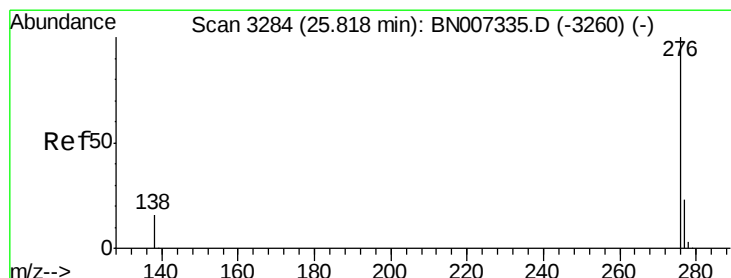
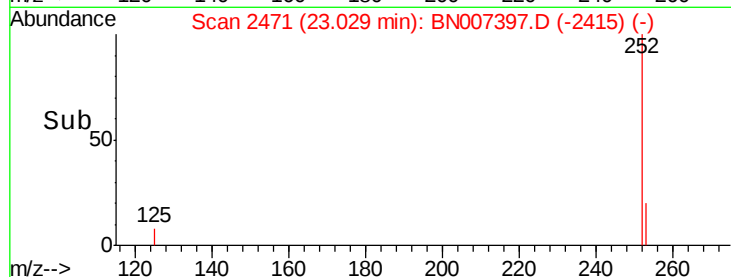
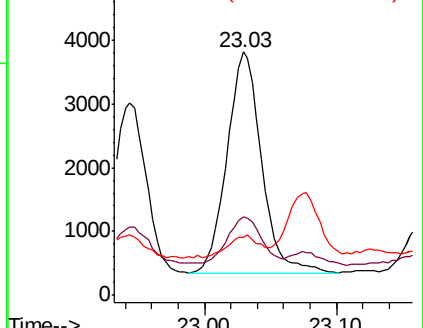
125 23.6 12.1 18.1#



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: 0.070 ng

RT: 25.81 min Scan# 3283

Delta R.T. -0.01 min

Lab File: BN007397.D

Acq: 25 Aug 2019 16:02

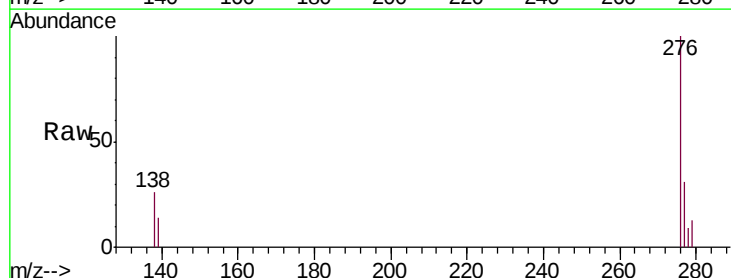
Tgt Ion:276 Resp: 5016

Ion Ratio Lower Upper

276 100

277 31.4 19.6 29.4#

138 26.4 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

