

Data File : BN007400.D
Acq On : 25 Aug 2019 17:49
Operator : HP/JU
Sample : K4496-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
S601-M-1.0-1.5-082219

Quant Time: Aug 26 05:23:21 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	4061	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	16370	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	8782	0.40	ng	0.00
19) Phenanthrene-d10	16.79	188	19584	0.40	ng	0.00
27) Chrysene-d12	21.02	240	21043	0.40	ng	0.00
34) Perylene-d12	23.12	264	24278	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.03	112	4914	0.34	ng	0.00
5) Phenol-d6	6.59	99	6265	0.35	ng	0.00
8) Nitrobenzene-d5	8.53	82	4736	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	11.76	152	9141	0.34	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	1753	0.38	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	11376	0.32	ng	0.00
25) Fluoranthene-d10	18.84	212	20531	0.33	ng	0.00
29) Terphenyl-d14	19.46	244	14853	0.27	ng	0.00

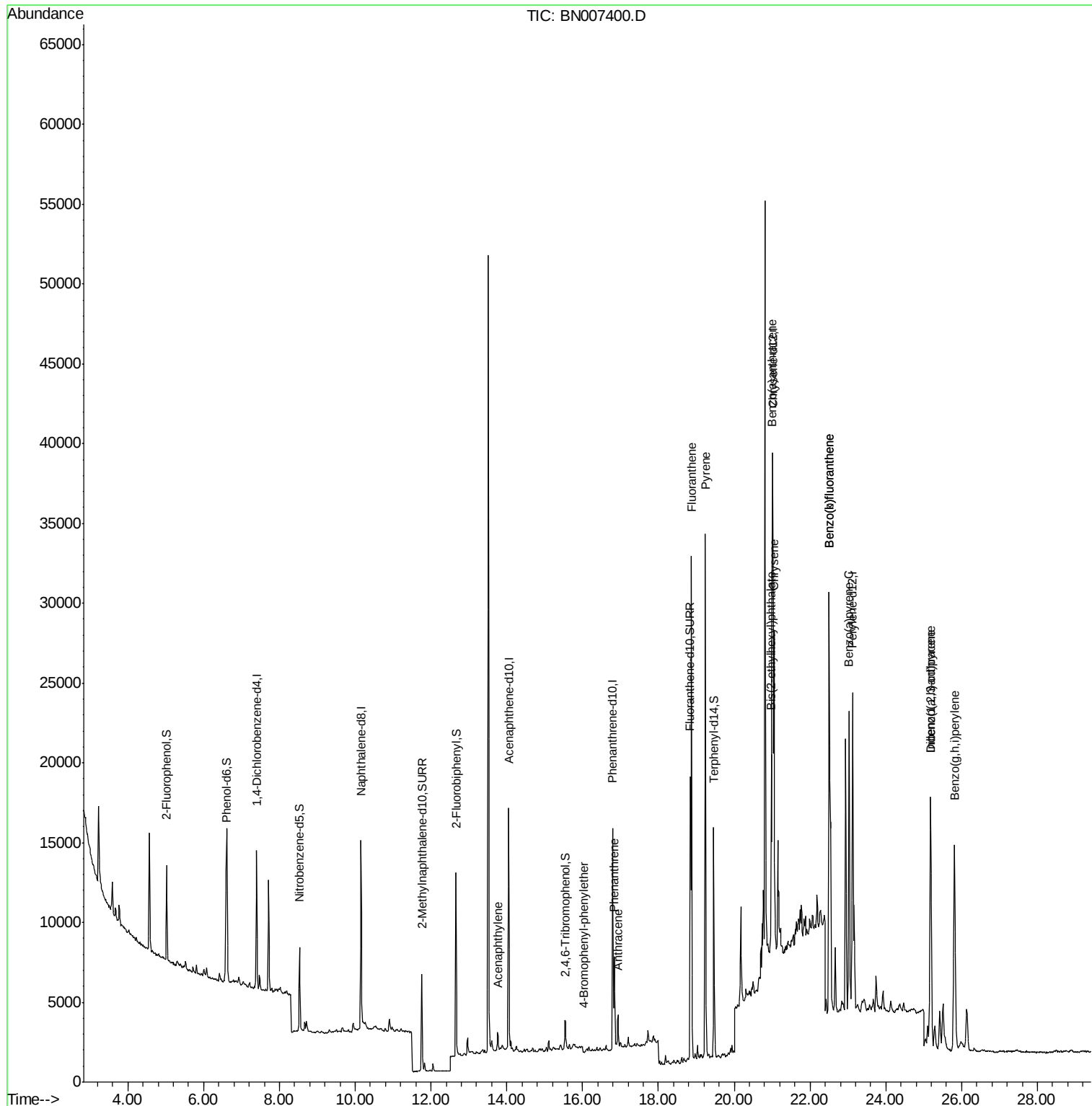
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acenaphthylene	13.76	152	1503	0.029	ng	97
20) 4-Bromophenyl-phenylether	16.04	248	206	0.027	ng	# 2
23) Phenanthrene	16.84	178	6069	0.103	ng	98
24) Anthracene	16.93	178	2085	0.035	ng	# 94
26) Fluoranthene	18.87	202	30123	0.398	ng	99
28) Pyrene	19.24	202	30619	0.362	ng	96
30) Benzo(a)anthracene	21.00	228	21234	0.257	ng	# 92
31) Chrysene	21.06	228	20654	0.259	ng	# 96
32) Bis(2-ethylhexyl)phthalate	20.97	149	10981	0.186	ng	96
33) Indeno(1,2,3-cd)pyrene	25.18	276	24040	0.250	ng	97
35) Benzo(b)fluoranthene	22.51	252	41191	0.468	ng	98
36) Benzo(k)fluoranthene	22.51	252	41191	0.474	ng	# 95
37) Benzo(a)pyrene	23.03	252	25838	0.309	ng	97
38) Dibenzo(a,h)anthracene	25.19	278	5653	0.068	ng	# 70
39) Benzo(g,h,i)perylene	25.81	276	26247	0.315	ng	97

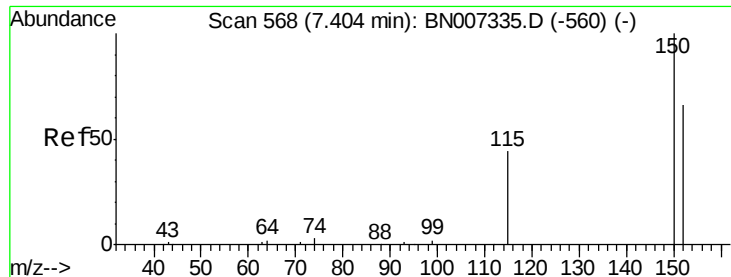
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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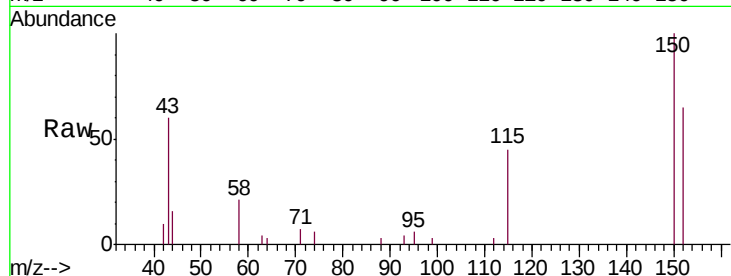


#1

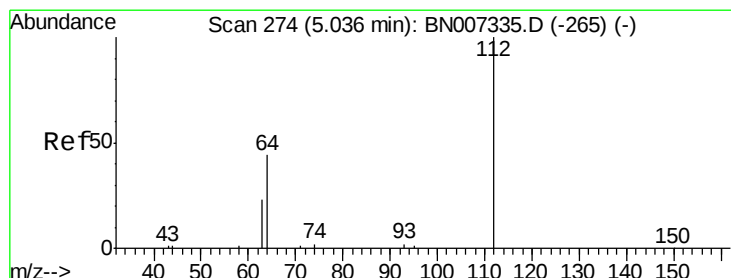
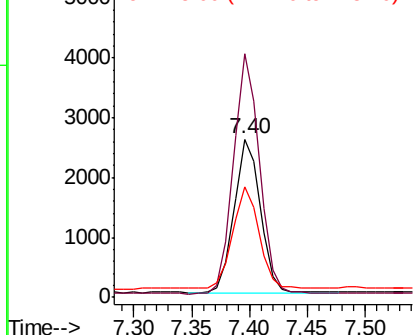
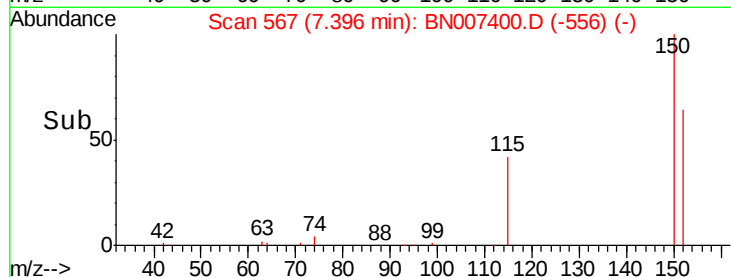
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.40 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: BN007400.D
 Acq: 25 Aug 2019 17:49

Instrument :
 BNA_N
 ClientSampleId :
 S601-M-1.0-1.5-082219

Tgt Ion:152 Resp: 4061
 Ion Ratio Lower Upper
 152 100
 150 153.6 109.1 163.7
 115 69.8 59.6 89.4



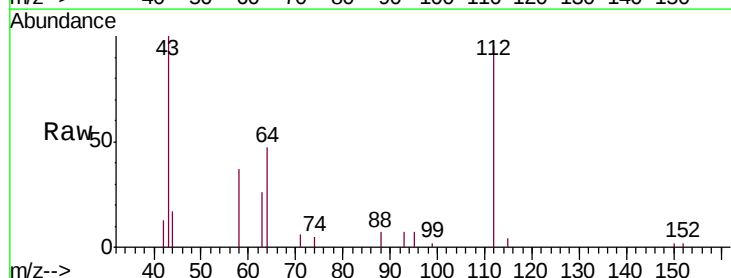
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



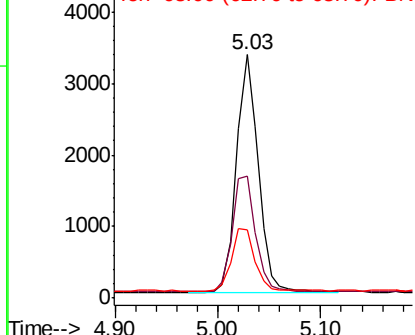
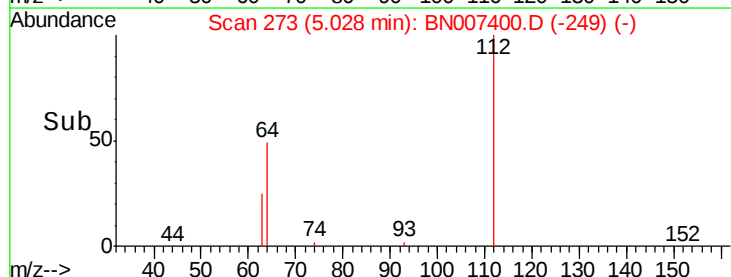
#4

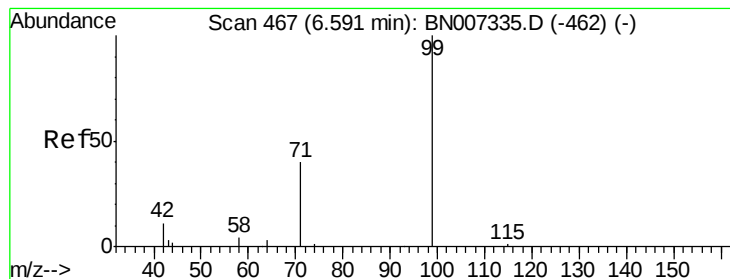
2-Fluorophenol
 Concen: 0.345 ng
 RT: 5.03 min Scan# 273
 Delta R.T. -0.01 min
 Lab File: BN007400.D
 Acq: 25 Aug 2019 17:49

Tgt Ion:112 Resp: 4914
 Ion Ratio Lower Upper
 112 100
 64 51.6 42.3 63.5
 63 28.3 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: 0.345 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007400.D

Acq: 25 Aug 2019 17:49

Instrument :

BNA_N

ClientSampleId :

S601-M-1.0-1.5-082219

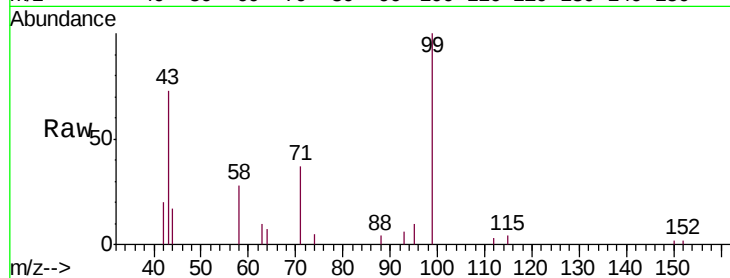
Tgt Ion: 99 Resp: 6265

Ion Ratio Lower Upper

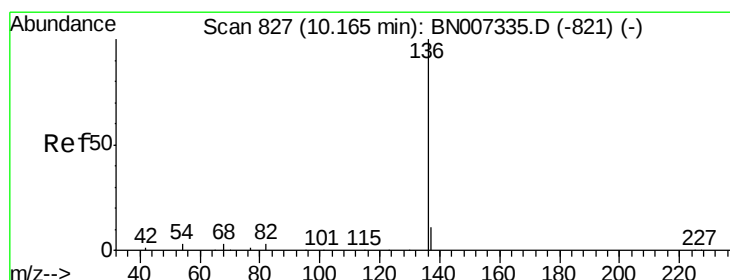
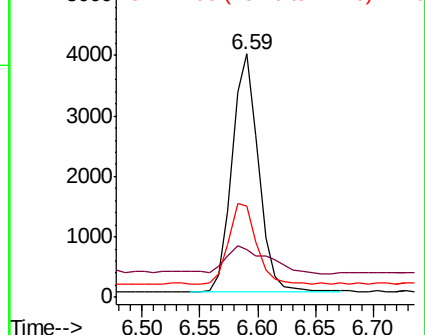
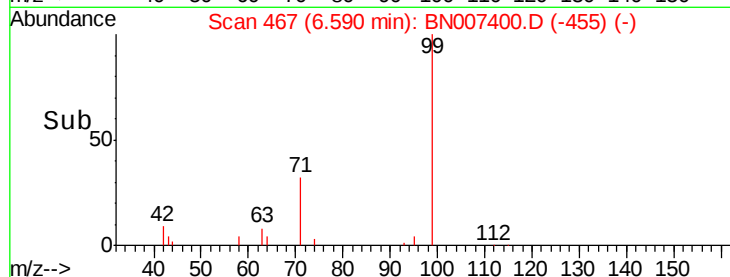
99 100

42 18.1 11.2 16.8#

71 36.5 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN007400.D (-455) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007400.D

Acq: 25 Aug 2019 17:49

Tgt Ion: 136 Resp: 16370

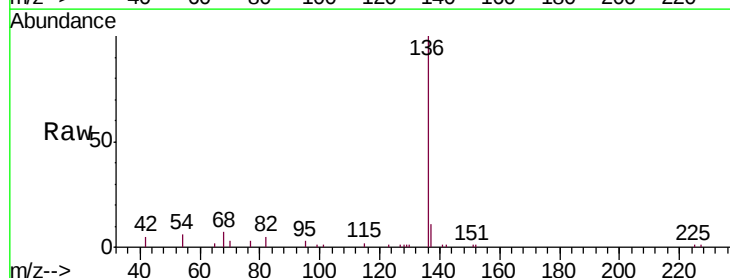
Ion Ratio Lower Upper

136 100

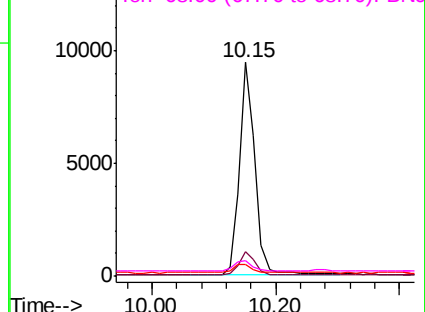
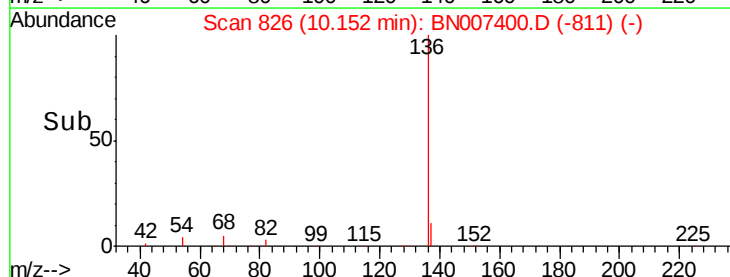
137 11.4 12.9 19.3#

54 5.6 8.6 12.8#

68 7.3 17.0 25.4#



Abundance Ion 136.00 (135.70 to 136.70): BN007400.D (-811) (-)





#8

Nitrobenzene-d5

Concen: 0.332 ng

RT: 8.53 min Scan# 698

Delta R.T. -0.00 min

Lab File: BN007400.D

Acq: 25 Aug 2019 17:49

Instrument :

BNA_N

ClientSampleId :

S601-M-1.0-1.5-082219

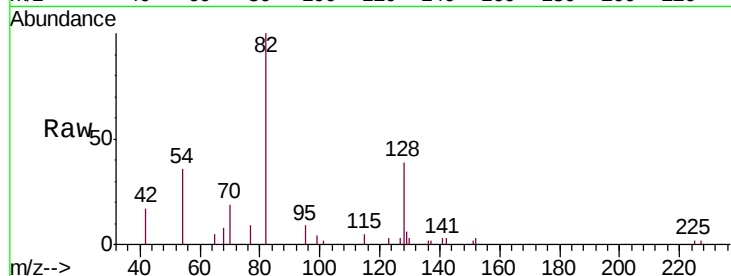
Tgt Ion: 82 Resp: 4736

Ion Ratio Lower Upper

82 100

128 38.8 19.7 29.5#

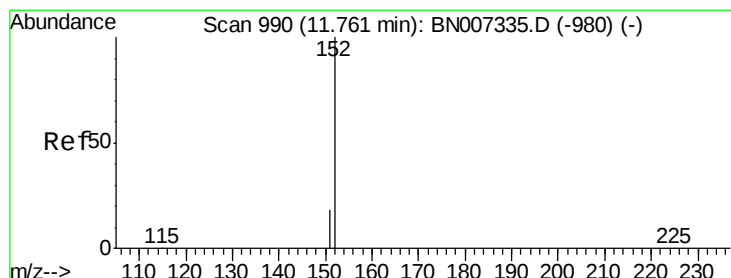
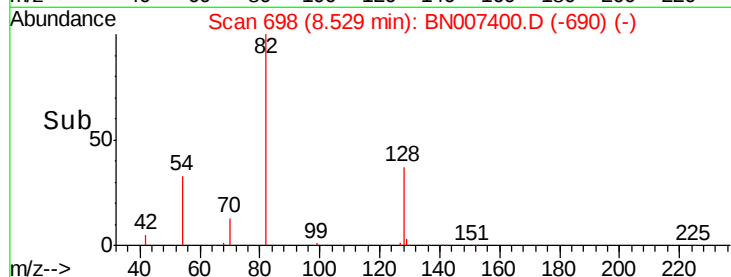
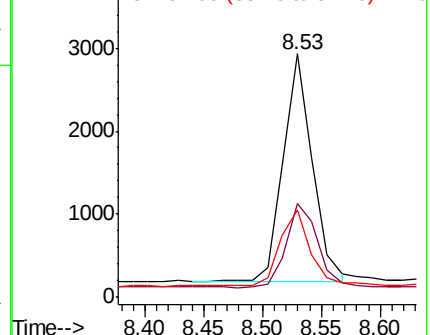
54 35.7 25.8 38.6



Abundance Ion 82.00 (81.70 to 82.70): BN007400.D (-690) (-)

Ion 128.00 (127.70 to 128.70): BN007400.D (-690) (-)

Ion 54.00 (53.70 to 54.70): BN007400.D (-690) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.336 ng

RT: 11.76 min Scan# 989

Delta R.T. -0.00 min

Lab File: BN007400.D

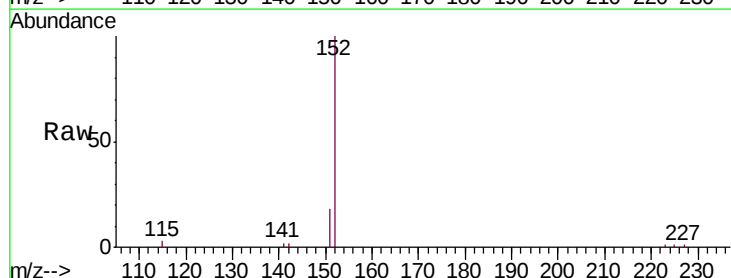
Acq: 25 Aug 2019 17:49

Tgt Ion: 152 Resp: 9141

Ion Ratio Lower Upper

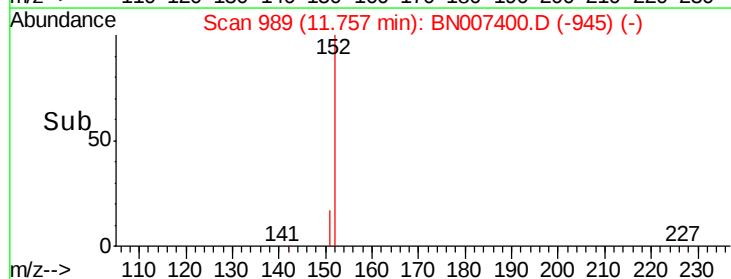
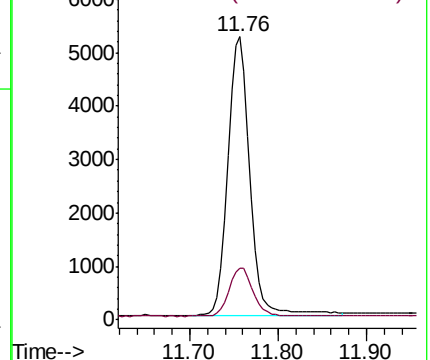
152 100

151 18.9 16.2 24.2



Abundance Ion 152.00 (151.70 to 152.70): BN007400.D (-945) (-)

Ion 151.00 (150.70 to 151.70): BN007400.D (-945) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BN007400.D

Acq: 25 Aug 2019 17:49

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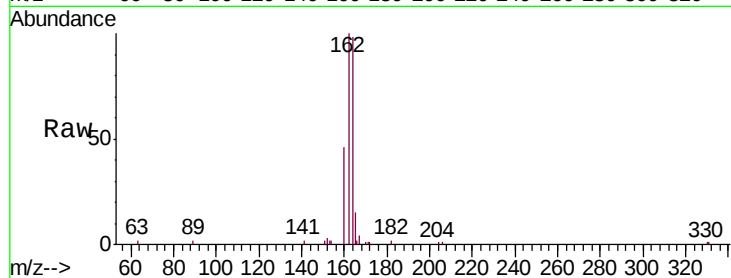
Tgt Ion:164 Resp: 8782

Ion Ratio Lower Upper

164 100

162 102.3 83.5 125.3

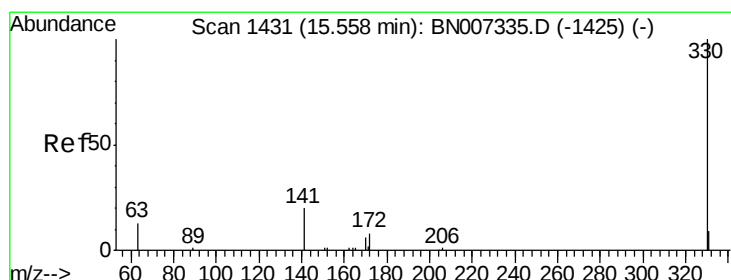
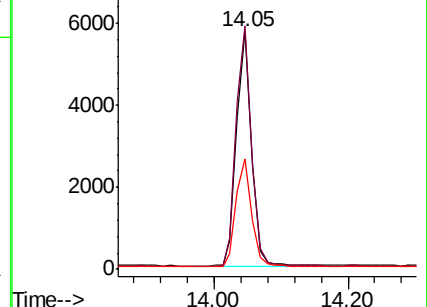
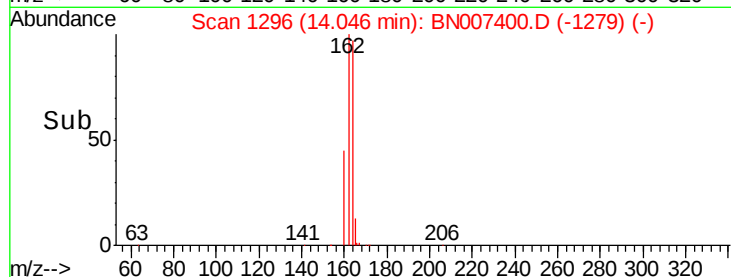
160 46.6 38.2 57.4



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: 0.382 ng

RT: 15.55 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BN007400.D

Acq: 25 Aug 2019 17:49

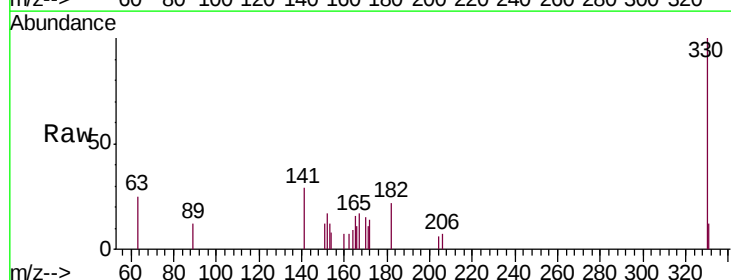
Tgt Ion:330 Resp: 1753

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

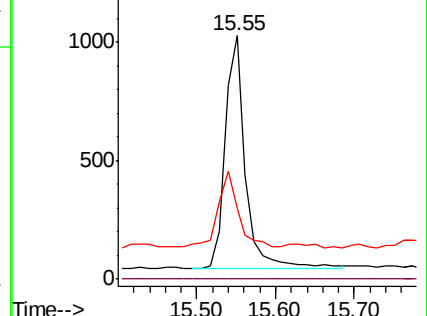
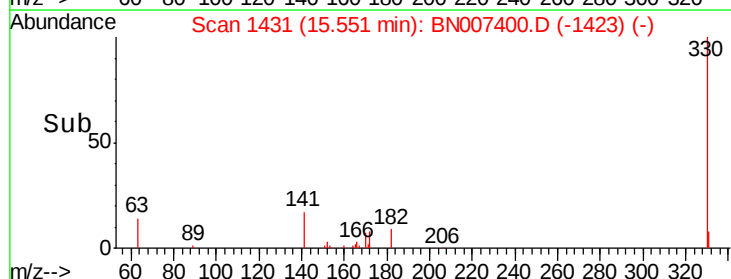
141 32.0 26.9 40.3



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

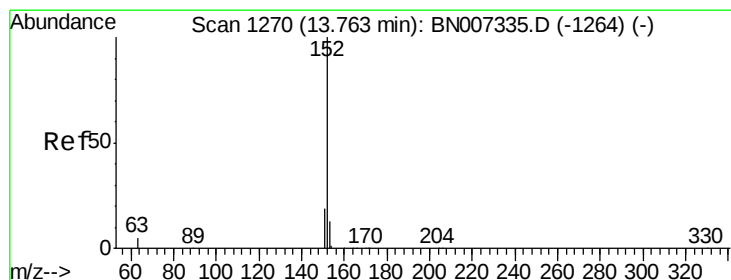
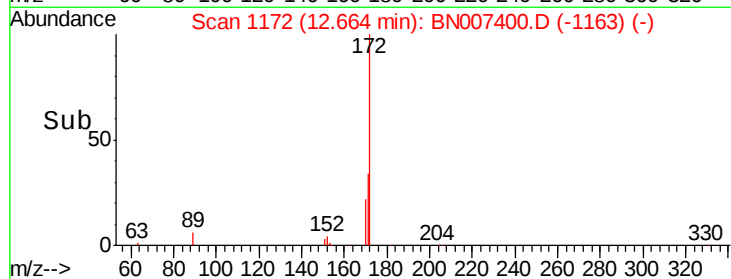
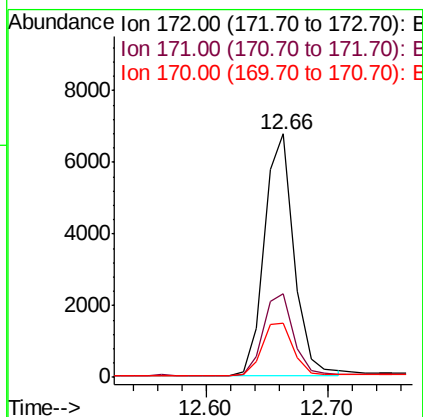
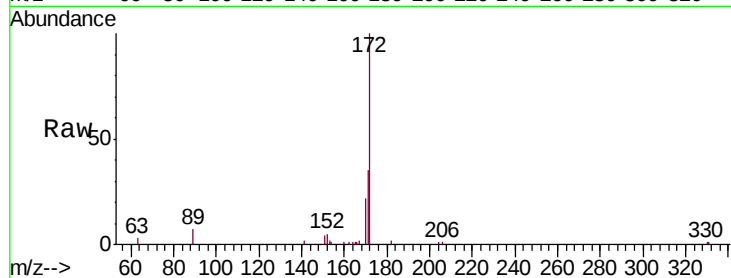




#15
2-Fluorobiphenyl
Concen: 0.321 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007400.D
Acq: 25 Aug 2019 17:49

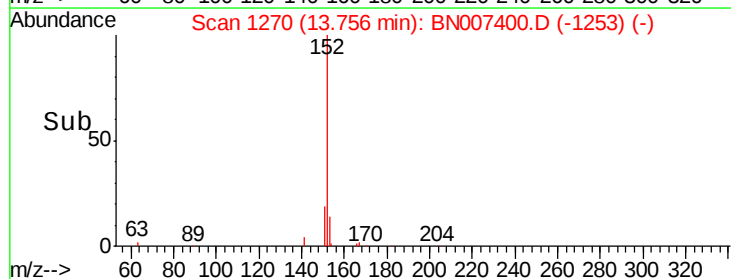
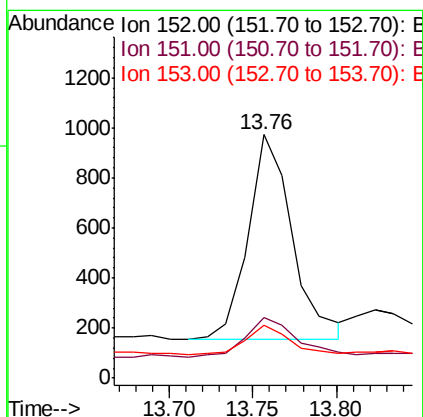
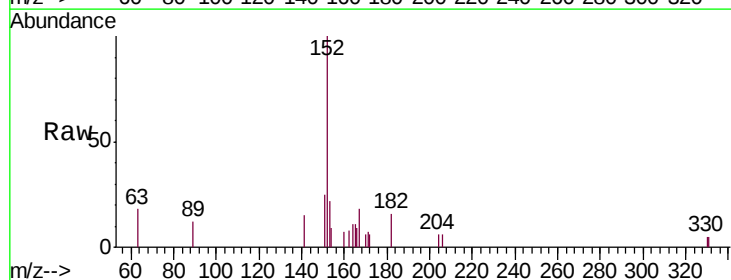
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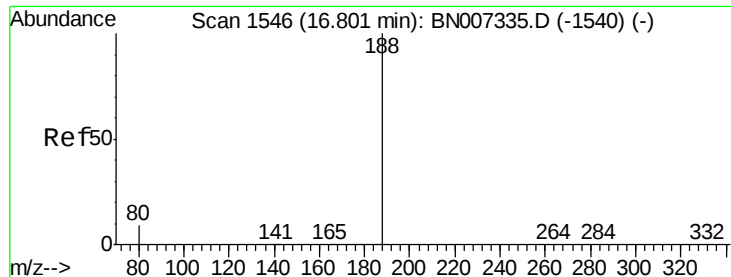
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	30.3	45.5
170	22.4	20.7	31.1



#16
Acenaphthylene
Concen: 0.029 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BN007400.D
Acq: 25 Aug 2019 17:49

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.1	16.1	24.1
153	13.8	10.6	15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.79 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BN007400.D

Acq: 25 Aug 2019 17:49

Instrument :

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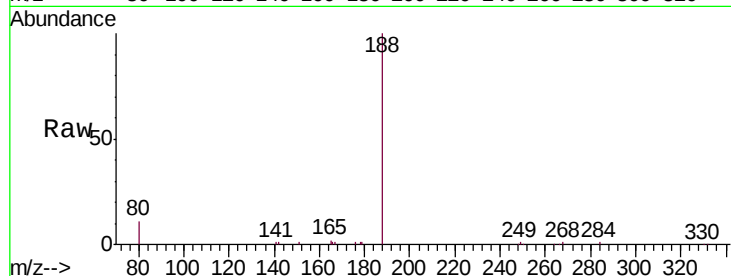
Tgt Ion:188 Resp: 19584

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

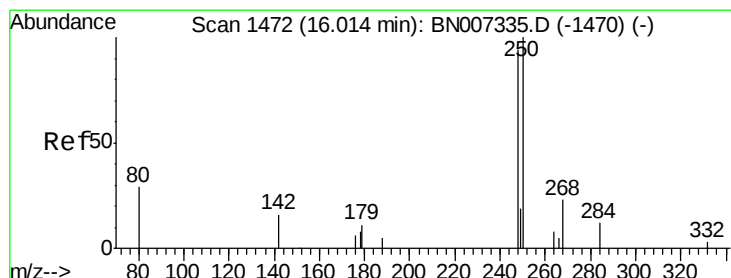
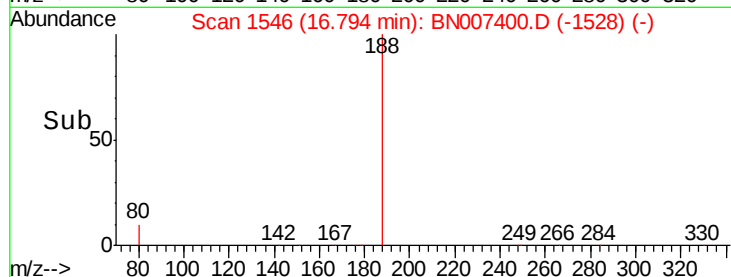
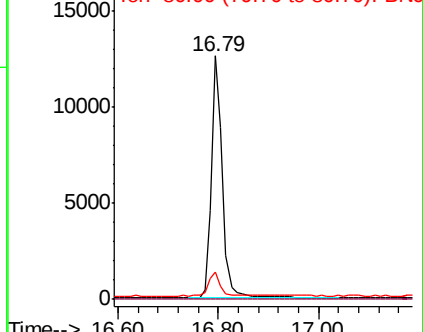
80 11.0 11.8 17.8#



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



#20

4-Bromophenyl-phenylether

Concen: 0.027 ng

RT: 16.04 min Scan# 1475

Delta R.T. 0.03 min

Lab File: BN007400.D

Acq: 25 Aug 2019 17:49

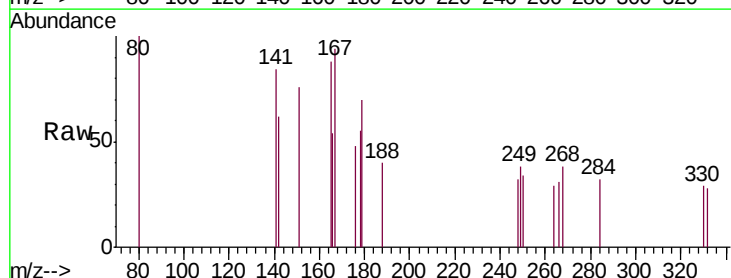
Tgt Ion:248 Resp: 206

Ion Ratio Lower Upper

248 100

250 107.3 85.0 127.6

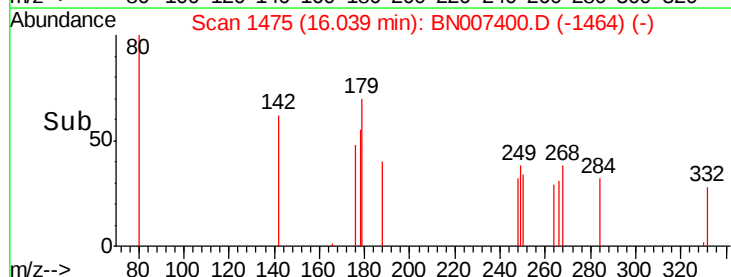
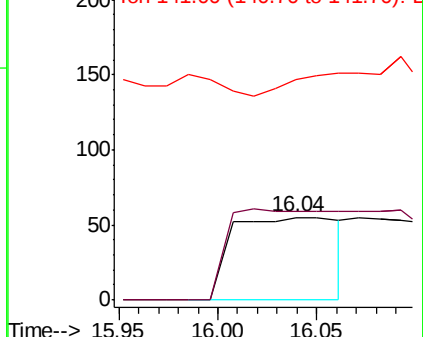
141 267.3 51.7 77.5#

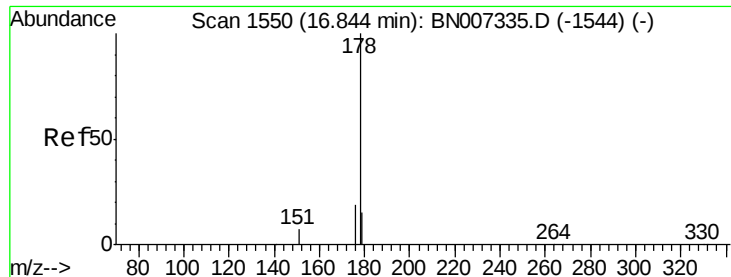


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#23

Phenanthrene

Concen: 0.103 ng

RT: 16.84 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BN007400.D

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Instrument :

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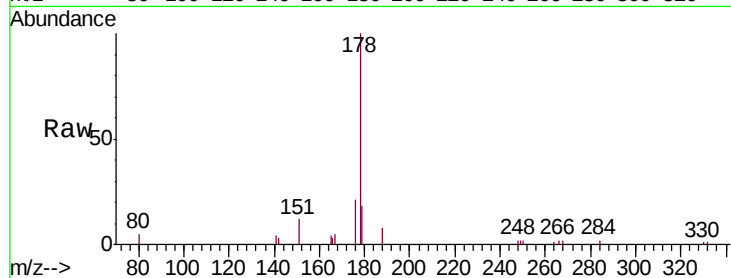
Tgt Ion:178 Resp: 6069

Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

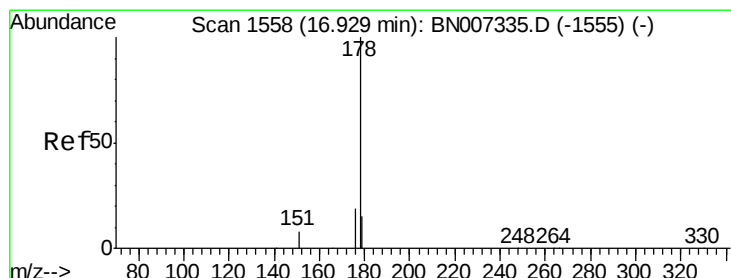
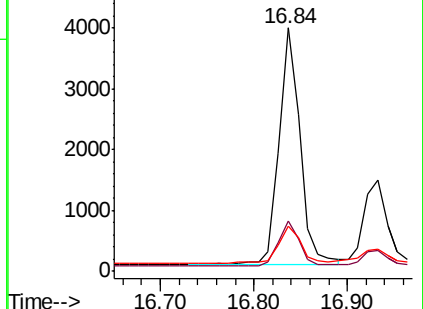
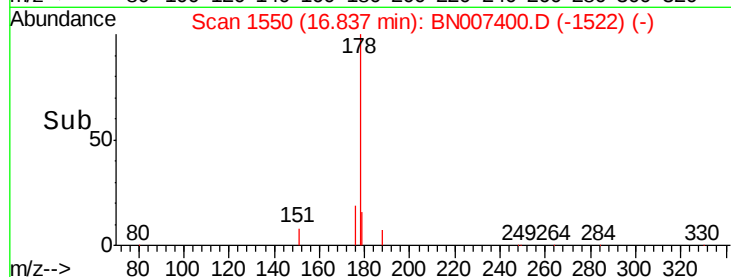
179 17.3 12.6 19.0



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: 0.035 ng

RT: 16.93 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BN007400.D

Acq: 25 Aug 2019 17:49

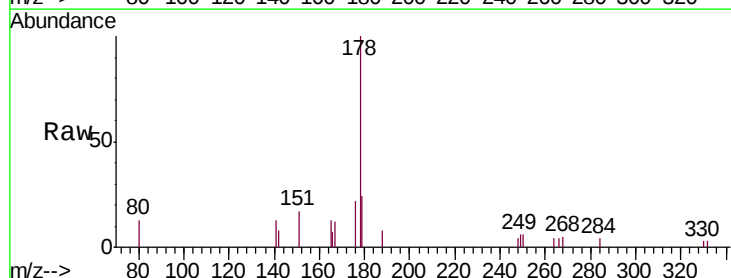
Tgt Ion:178 Resp: 2085

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

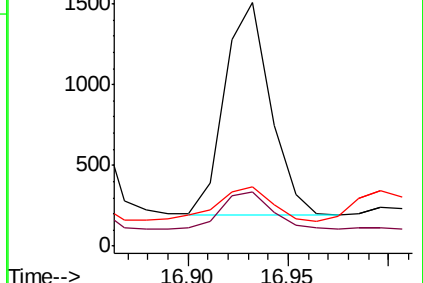
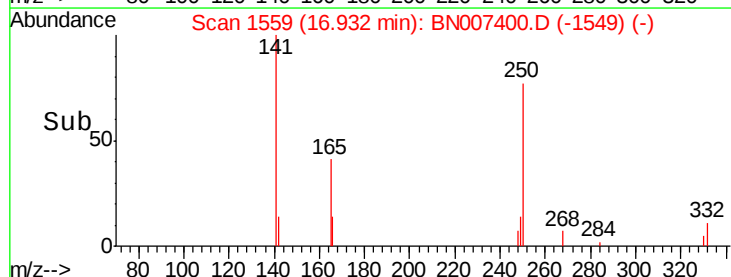
179 20.5 12.4 18.6#

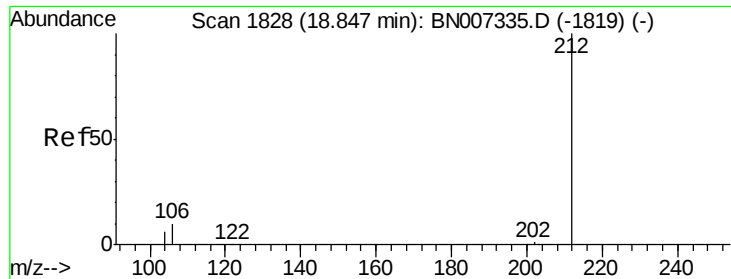


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.326 ng

RT: 18.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BN007400.D

Acq: 25 Aug 2019 17:49

Instrument :

BNA_N

ClientSampleId :

S601-M-1.0-1.5-082219

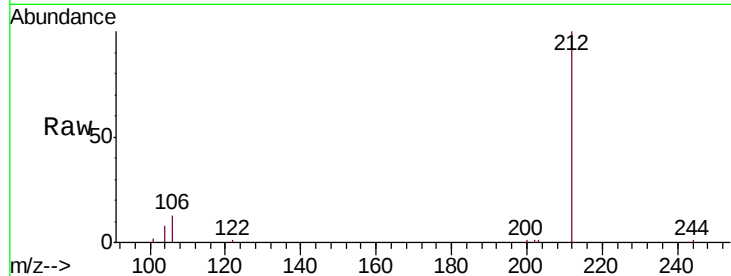
Tgt Ion:212 Resp: 20531

Ion Ratio Lower Upper

212 100

106 11.4 9.0 13.4

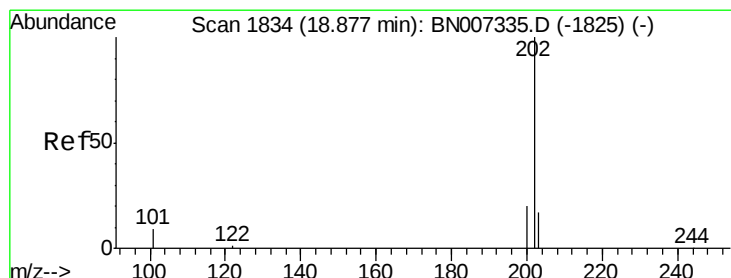
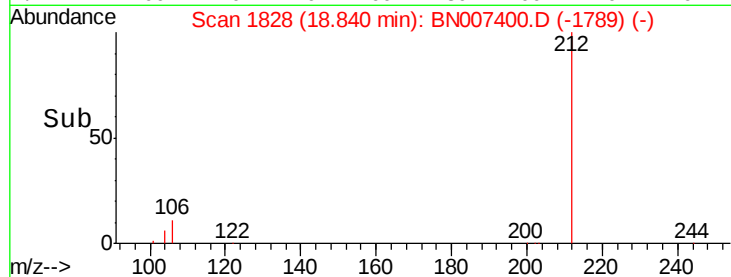
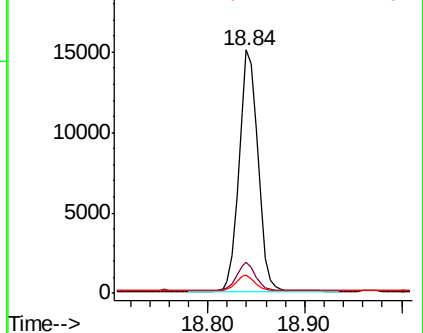
104 6.5 5.4 8.2



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: 0.398 ng

RT: 18.87 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BN007400.D

Acq: 25 Aug 2019 17:49

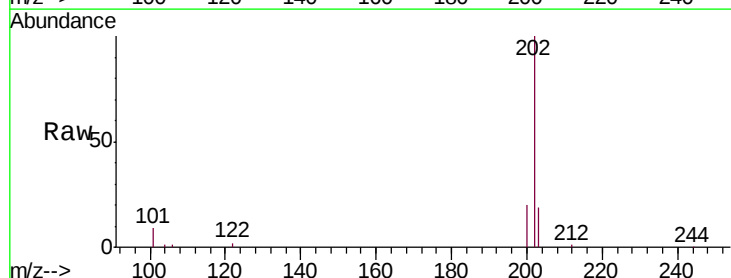
Tgt Ion:202 Resp: 30123

Ion Ratio Lower Upper

202 100

101 10.0 7.7 11.5

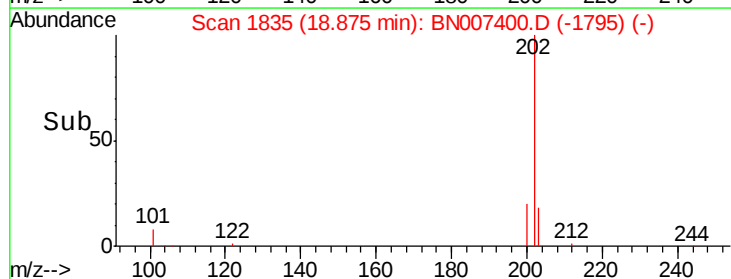
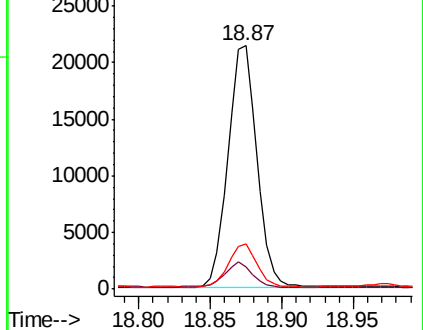
203 17.2 13.7 20.5

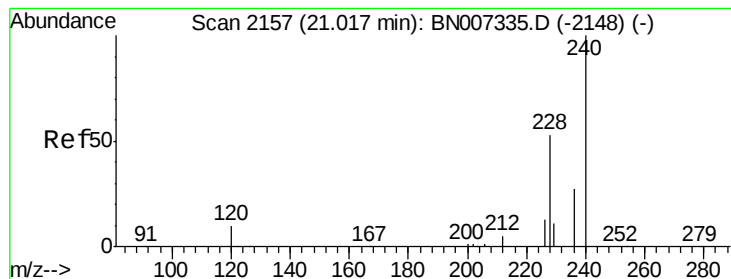


Abundance Ion 202.00 (201.70 to 202.70): E

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: BN007400.D

Acq: 25 Aug 2019 17:49

Instrument :

BNA_N

ClientSampleId :

S601-M-1.0-1.5-082219

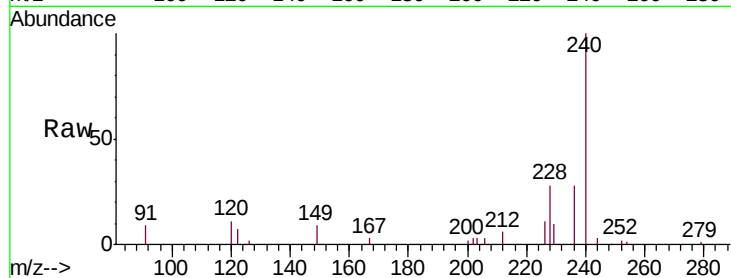
Tgt Ion:240 Resp: 21043

Ion Ratio Lower Upper

240 100

120 11.1 9.6 14.4

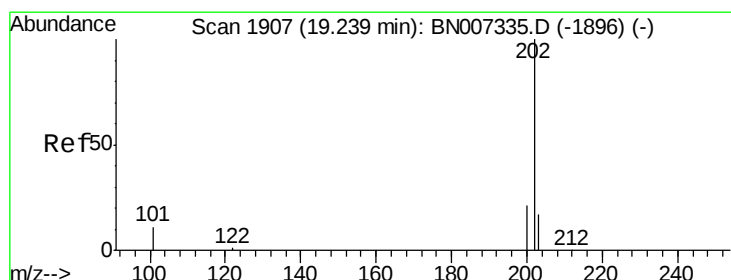
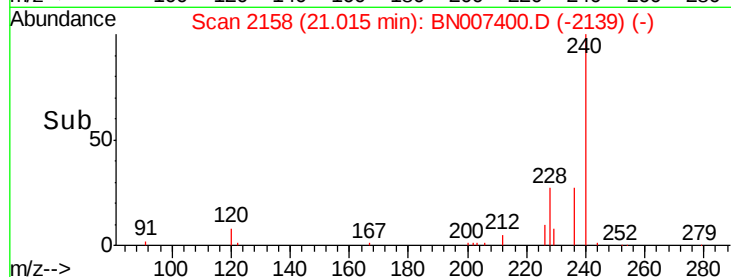
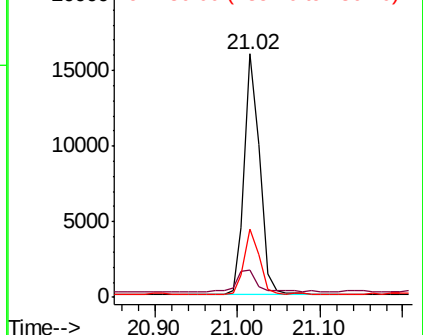
236 27.8 22.2 33.2



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: 0.362 ng

RT: 19.24 min Scan# 1908

Delta R.T. -0.00 min

Lab File: BN007400.D

Acq: 25 Aug 2019 17:49

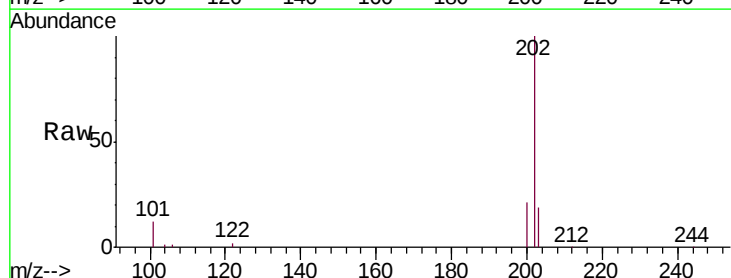
Tgt Ion:202 Resp: 30619

Ion Ratio Lower Upper

202 100

200 21.0 16.6 25.0

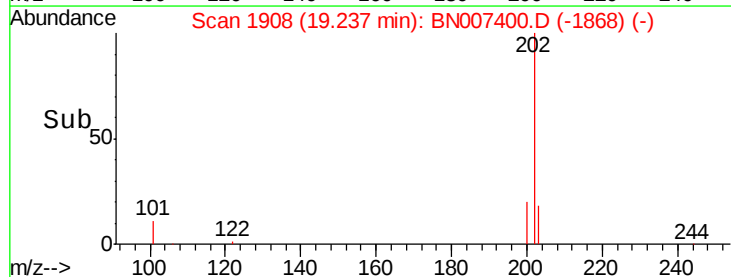
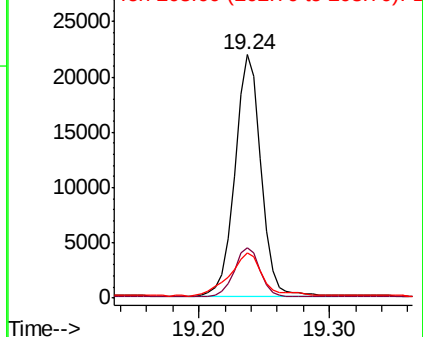
203 21.3 14.2 21.4

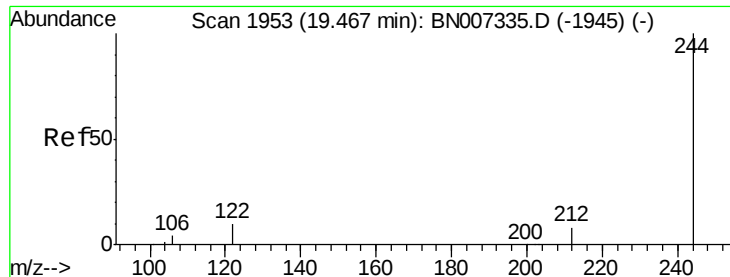


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.270 ng

RT: 19.46 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BN007400.D

Acq: 25 Aug 2019 17:49

Instrument :

BNA_N

ClientSampleId :

S601-M-1.0-1.5-082219

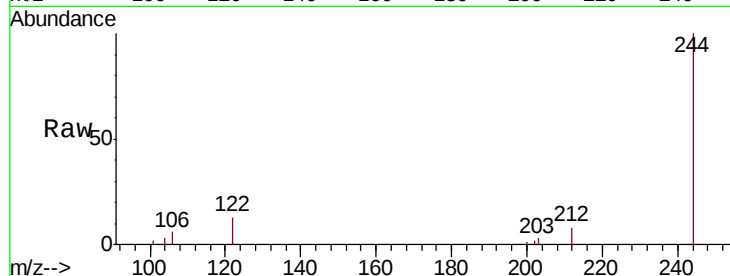
Tgt Ion:244 Resp: 14853

Ion Ratio Lower Upper

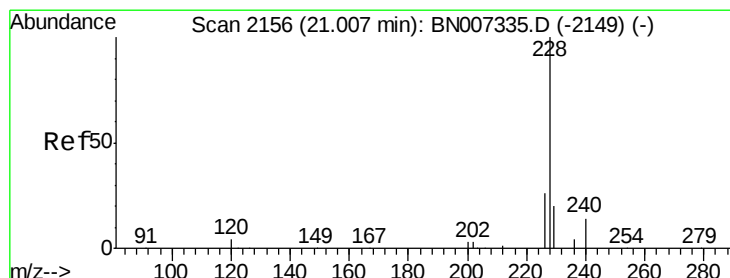
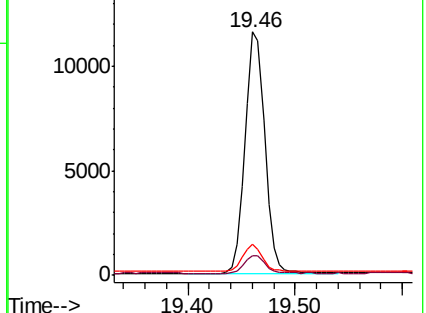
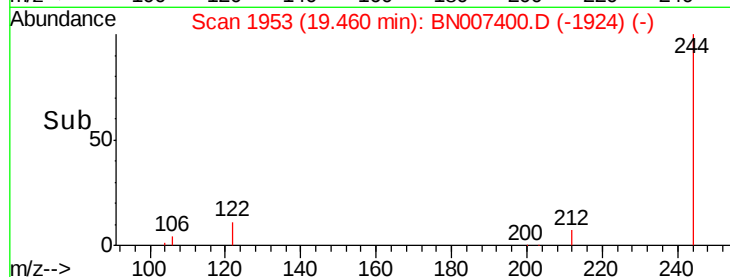
244 100

212 8.2 7.0 10.6

122 12.7 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: 0.257 ng

RT: 21.00 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BN007400.D

Acq: 25 Aug 2019 17:49

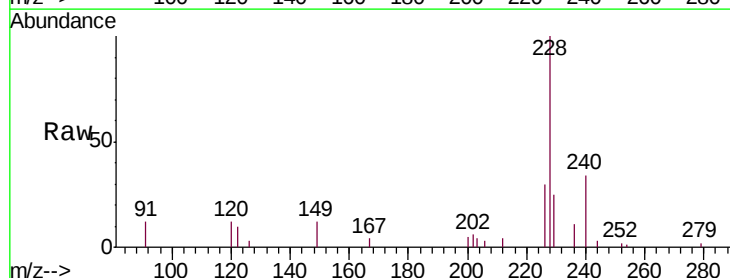
Tgt Ion:228 Resp: 21234

Ion Ratio Lower Upper

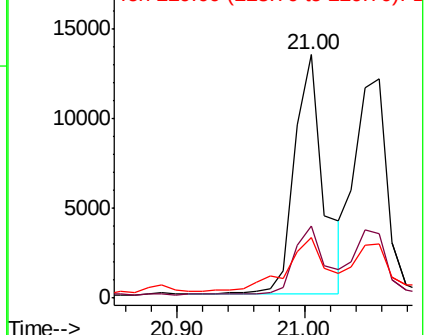
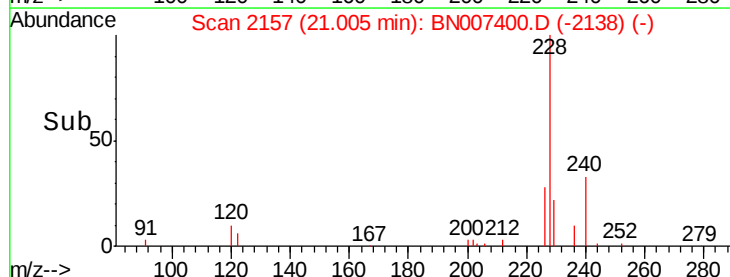
228 100

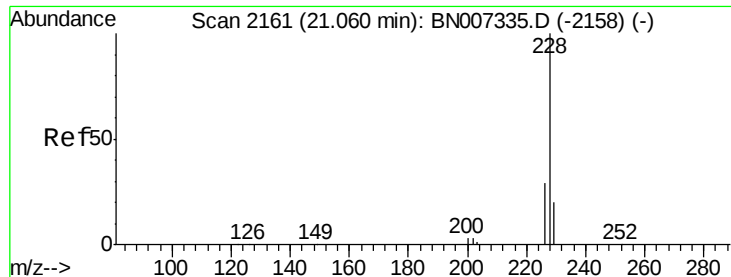
226 29.6 21.3 31.9

229 25.1 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: 0.259 ng

RT: 21.06 min Scan# 2162

Delta R.T. -0.00 min

Lab File: BN007400.D

Acq: 25 Aug 2019 17:49

Instrument :

BNA_N

ClientSampleId :

S601-M-1.0-1.5-082219

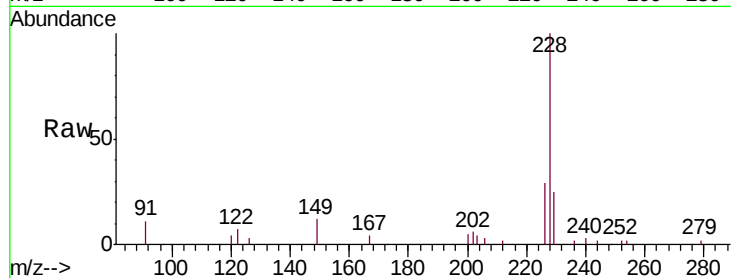
Tgt Ion:228 Resp: 20654

Ion Ratio Lower Upper

228 100

226 29.2 23.5 35.3

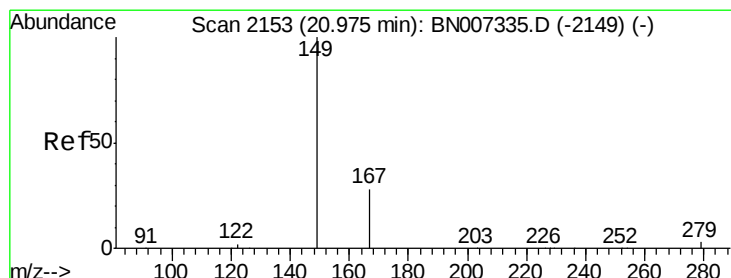
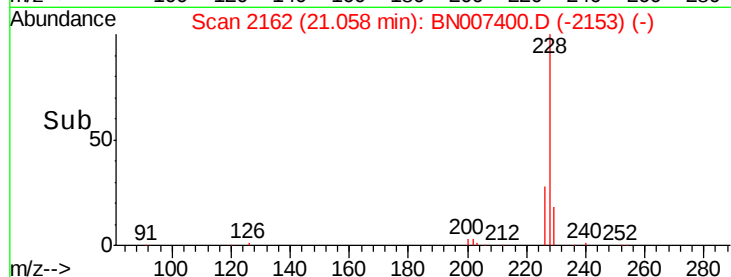
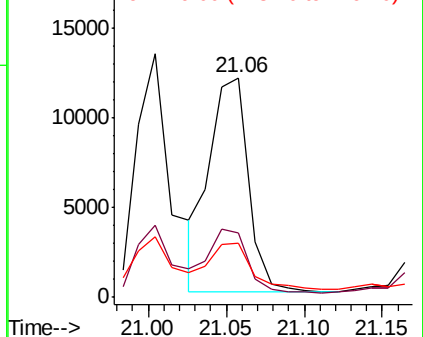
229 24.8 16.6 24.8#



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: 0.186 ng

RT: 20.97 min Scan# 2154

Delta R.T. -0.00 min

Lab File: BN007400.D

Acq: 25 Aug 2019 17:49

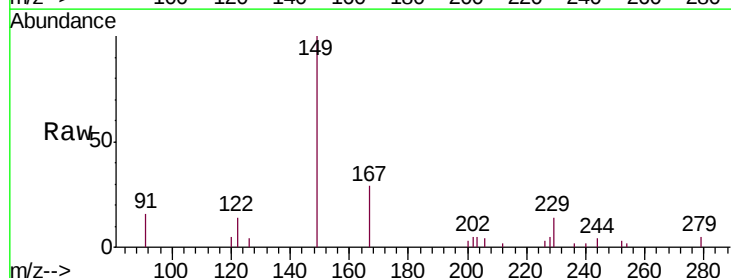
Tgt Ion:149 Resp: 10981

Ion Ratio Lower Upper

149 100

167 31.1 22.8 34.2

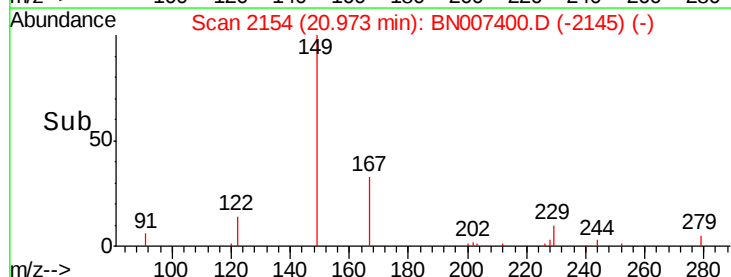
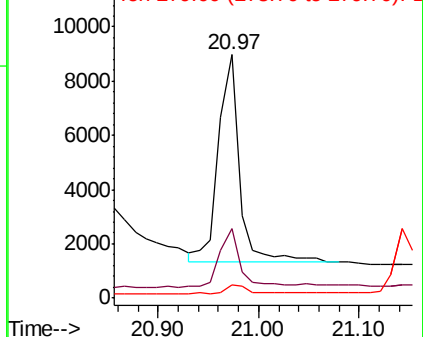
279 4.8 3.5 5.3

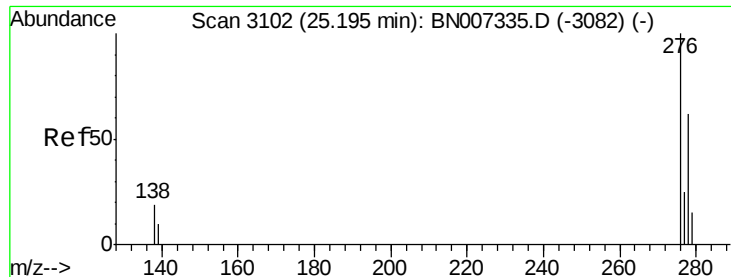


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.250 ng

RT: 25.18 min Scan# 3100

Delta R.T. -0.01 min

Lab File: BN007400.D

Acq: 25 Aug 2019 17:49

Instrument :

BNA_N

ClientSampleId :

S601-M-1.0-1.5-082219

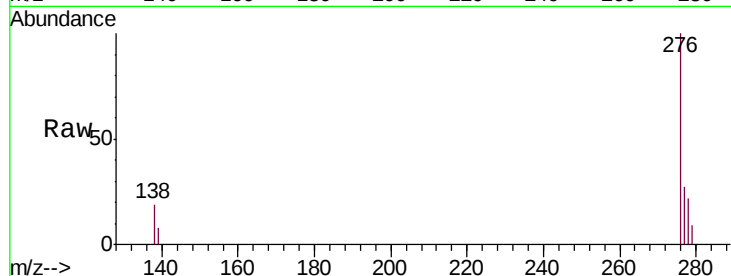
Tgt Ion:276 Resp: 24040

Ion Ratio Lower Upper

276 100

138 16.8 15.1 22.7

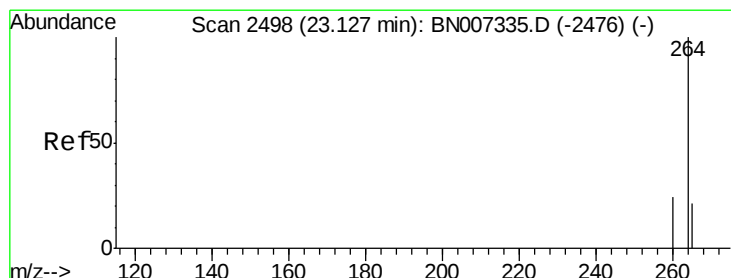
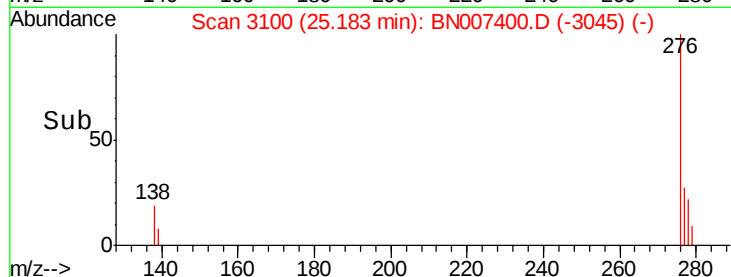
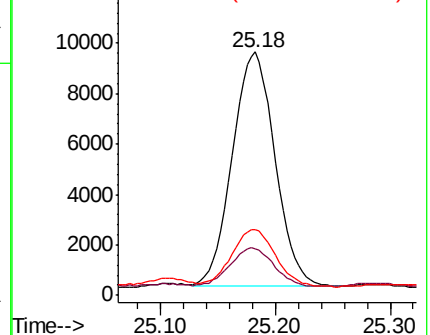
277 25.1 19.7 29.5



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: BN007400.D

Acq: 25 Aug 2019 17:49

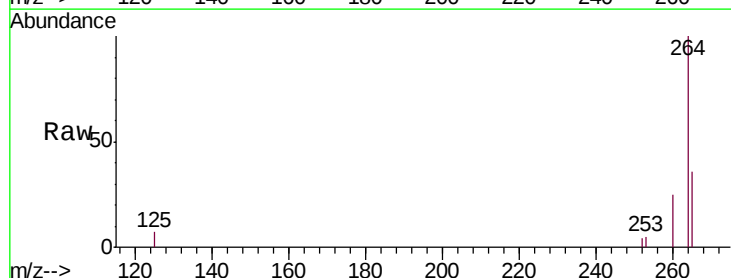
Tgt Ion:264 Resp: 24278

Ion Ratio Lower Upper

264 100

260 25.2 19.7 29.5

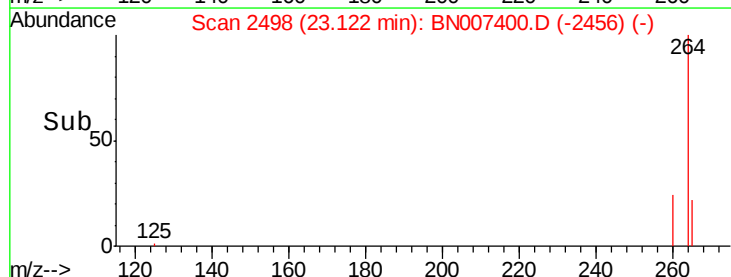
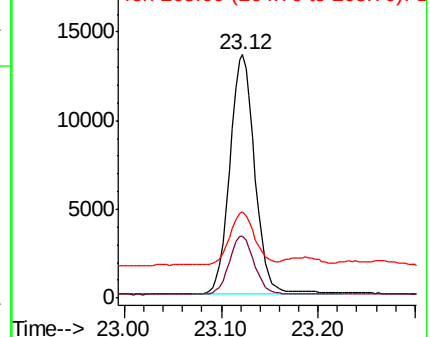
265 35.5 29.9 44.9

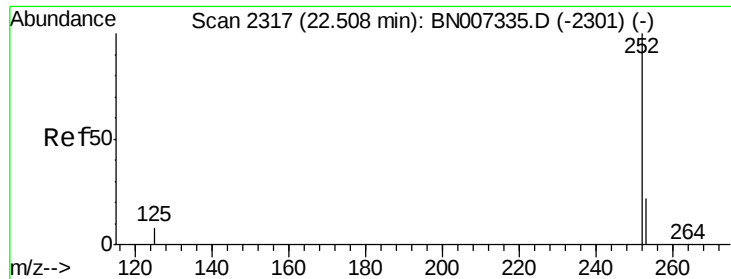


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.468 ng

RT: 22.51 min Scan# 2318

Delta R.T. -0.00 min

Lab File: BN007400.D

Acq: 25 Aug 2019 17:49

Instrument :

BNA_N

ClientSampleId :

S601-M-1.0-1.5-082219

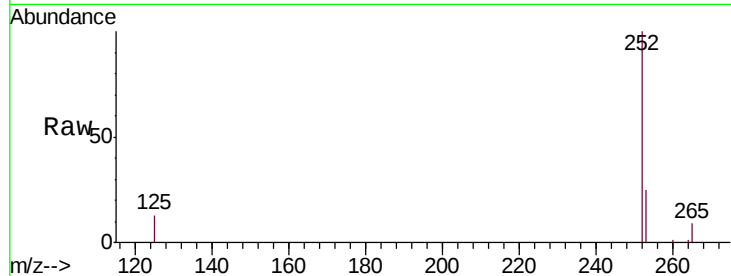
Tgt Ion:252 Resp: 41191

Ion Ratio Lower Upper

252 100

253 25.4 19.2 28.8

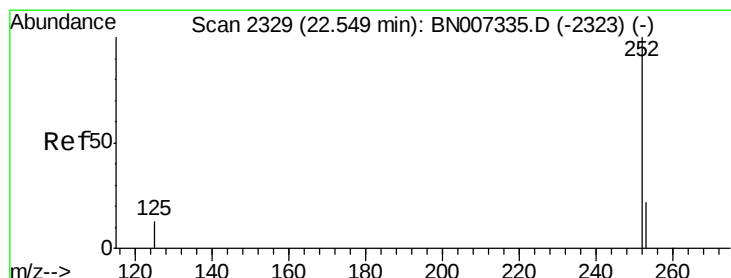
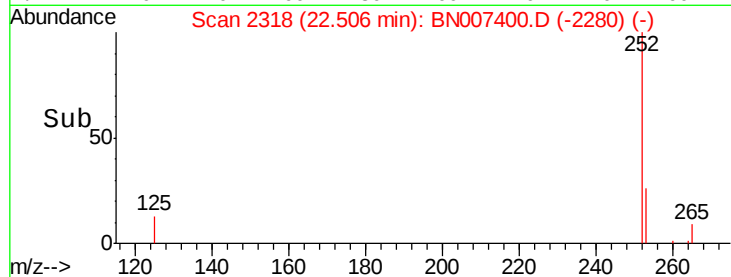
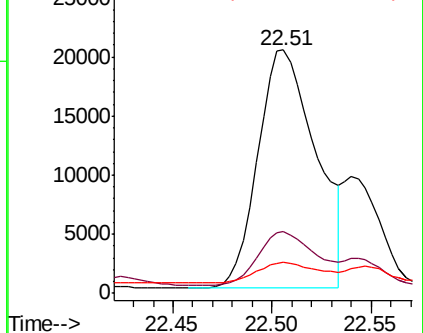
125 12.6 10.6 16.0



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: 0.474 ng

RT: 22.51 min Scan# 2318

Delta R.T. -0.04 min

Lab File: BN007400.D

Acq: 25 Aug 2019 17:49

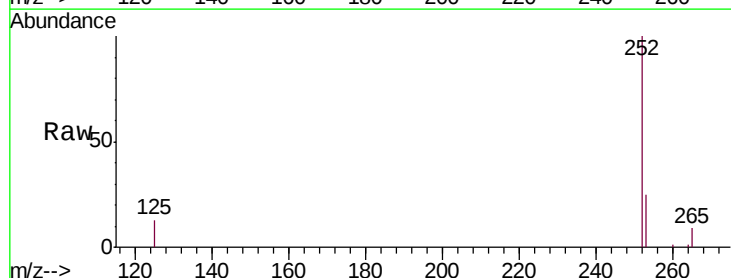
Tgt Ion:252 Resp: 41191

Ion Ratio Lower Upper

252 100

253 25.4 19.4 29.2

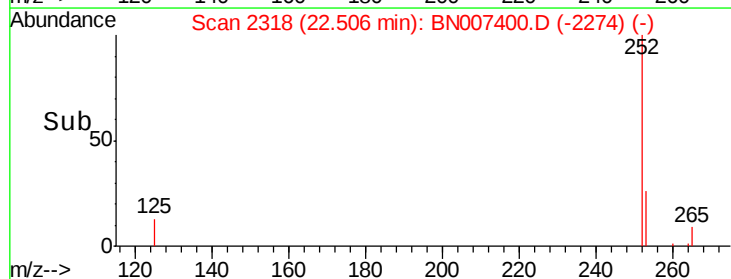
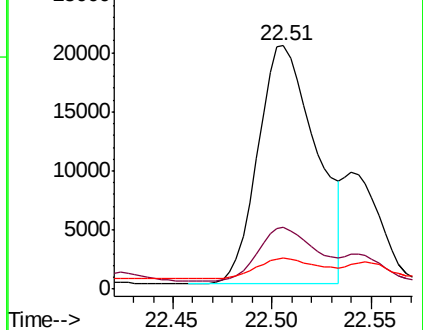
125 12.6 13.1 19.7#

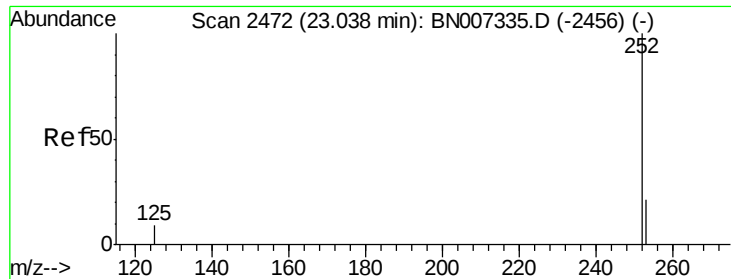


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.309 ng

RT: 23.03 min Scan# 2471

Delta R.T. -0.01 min

Lab File: BN007400.D

Acq: 25 Aug 2019 17:49

Instrument :

BNA_N

ClientSampleId :

S601-M-1.0-1.5-082219

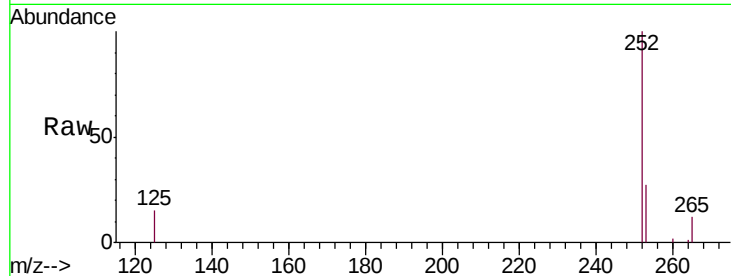
Tgt Ion:252 Resp: 25838

Ion Ratio Lower Upper

252 100

253 26.6 19.5 29.3

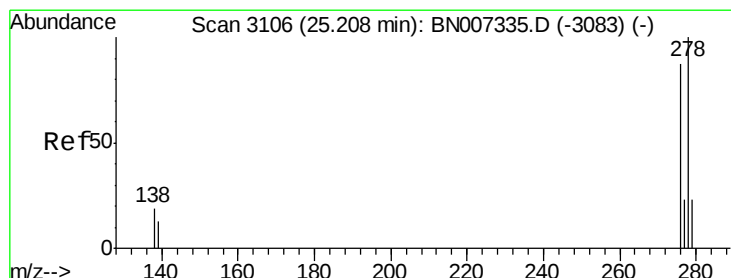
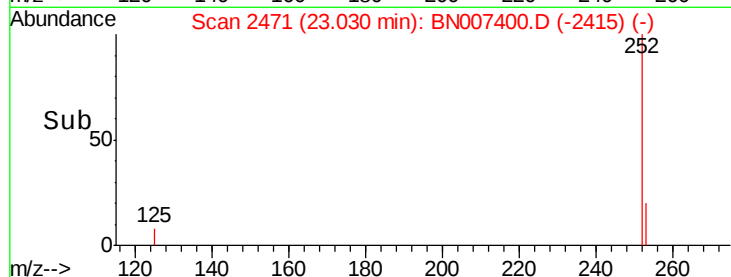
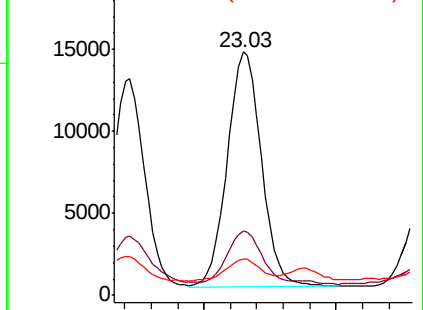
125 14.7 12.1 18.1



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: 0.068 ng

RT: 25.19 min Scan# 3101

Delta R.T. -0.02 min

Lab File: BN007400.D

Acq: 25 Aug 2019 17:49

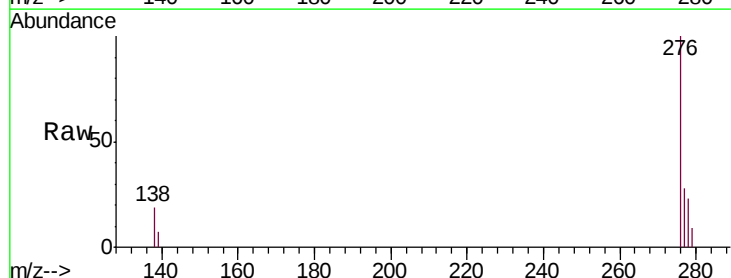
Tgt Ion:278 Resp: 5653

Ion Ratio Lower Upper

278 100

139 31.7 13.7 20.5#

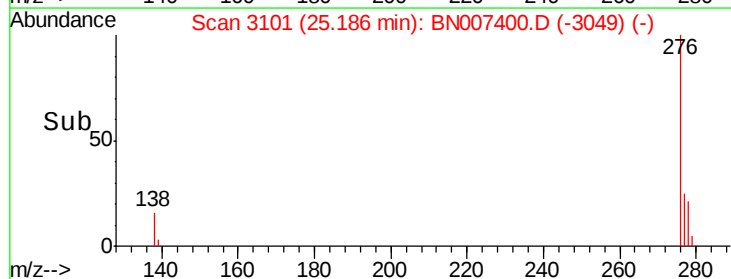
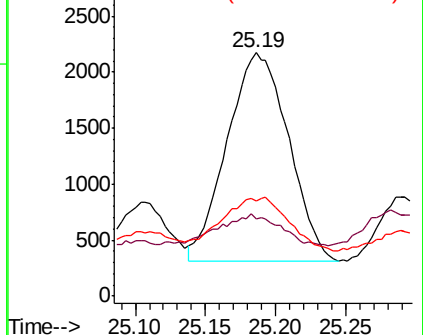
279 39.2 20.2 30.4#

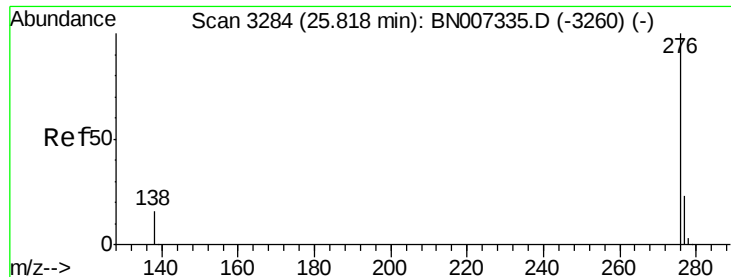


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.315 ng

RT: 25.81 min Scan# 3284

Delta R.T. -0.01 min

Lab File: BN007400.D

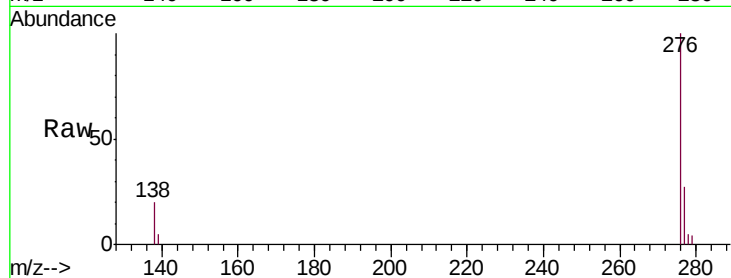
Acq: 25 Aug 2019 17:49

Instrument :

BNA_N

ClientSampleId :

S601-M-1.0-1.5-082219



Tgt Ion: 276 Resp: 26247

Ion Ratio Lower Upper

276 100

277 26.9 19.6 29.4

138 20.1 16.3 24.5

