

Data File : BN007396.D
Acq On : 25 Aug 2019 15:27
Operator : HP/JU
Sample : K4409-11DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

Quant Time: Aug 26 05:22:10 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	38258	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	153724	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	89194	0.40	ng	0.00
19) Phenanthrene-d10	16.79	188	184236	0.40	ng	0.00
27) Chrysene-d12	21.02	240	201482	0.40	ng	0.00
34) Perylene-d12	23.13	264	227350	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.03	112	925	-0.02	ng	0.00
5) Phenol-d6	6.59	99	1176	-0.03	ng	0.00
8) Nitrobenzene-d5	8.53	82	924	0.01	ng	0.00
11) 2-Methylnaphthalene-d10	11.76	152	1713	0.01	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	343	0.01	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	2179	0.01	ng	0.00
25) Fluoranthene-d10	18.84	212	3534	0.01	ng	0.00
29) Terphenyl-d14	19.46	244	2930	0.01	ng	0.00

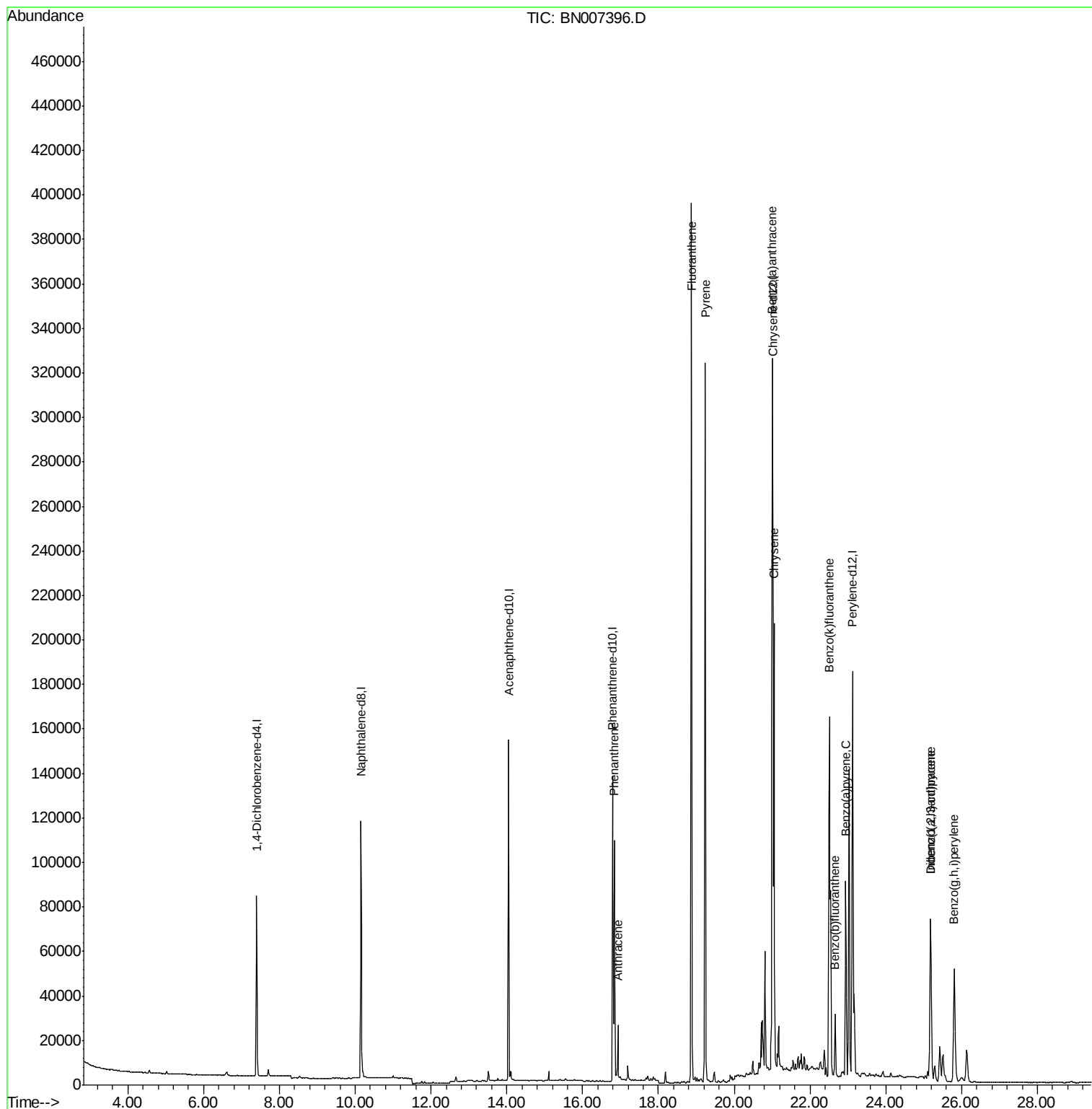
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
23) Phenanthrene	16.84	178	108576	0.196	ng	100
24) Anthracene	16.93	178	29242	0.052	ng	99
26) Fluoranthene	18.87	202	367579	0.517	ng	100
28) Pyrene	19.24	202	302738	0.374	ng	# 96
30) Benzo(a)anthracene	21.00	228	226561	0.286	ng	100
31) Chrysene	21.06	228	182117	0.238	ng	97
32) Bis(2-ethylhexyl)phthalate	20.97	149	5224	Below Cal		97
33) Indeno(1,2,3-cd)pyrene	25.18	276	111086	0.121	ng	99
35) Benzo(b)fluoranthene	22.66	252	33374	0.041	ng	96
36) Benzo(k)fluoranthene	22.51	252	241893	0.297	ng	# 91
37) Benzo(a)pyrene	22.94	252	112394	0.143	ng	96
38) Dibenzo(a,h)anthracene	25.19	278	29742	0.038	ng	98
39) Benzo(g,h,i)perylene	25.81	276	100885	0.129	ng	97

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

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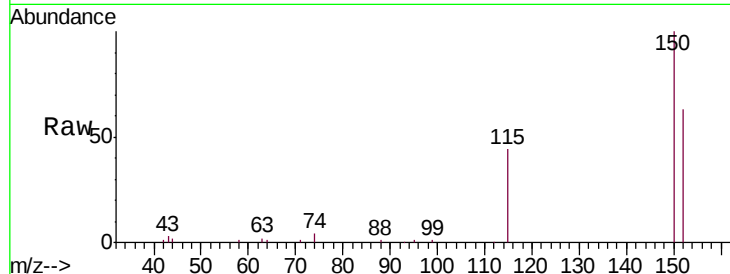


#1

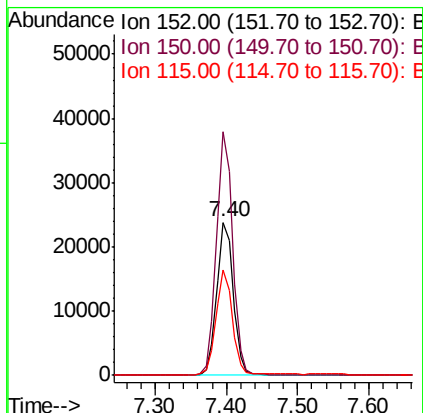
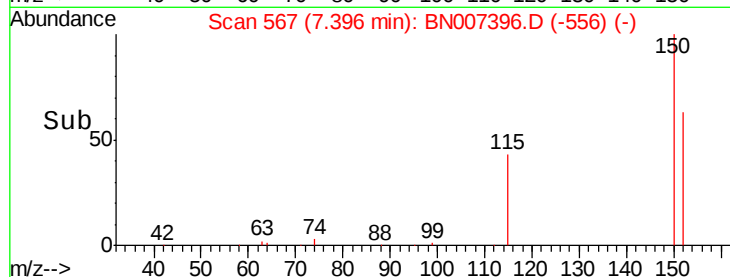
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.40 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: BN007396.D
 Acq: 25 Aug 2019 15:27

Instrument :
 BNA_N
 ClientSampleId :
 S301-J-2.0-2.5-081919DL

Tgt Ion:152 Resp: 38258
 Ion Ratio Lower Upper
 152 100
 150 158.8 109.1 163.7
 115 69.1 59.6 89.4



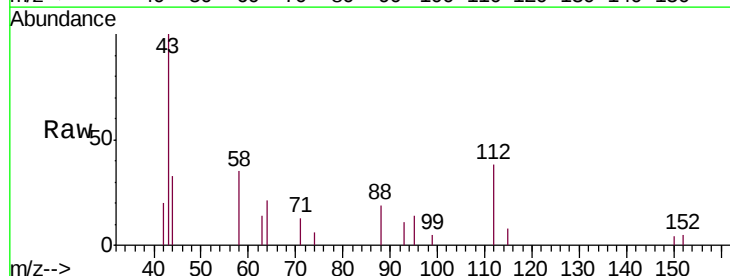
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



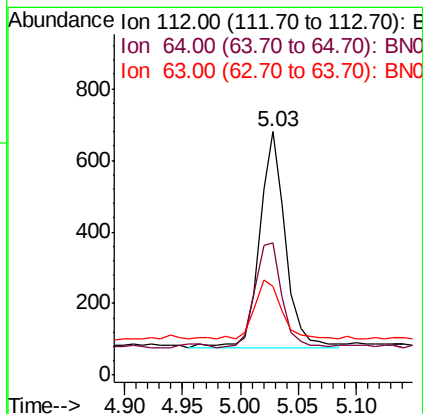
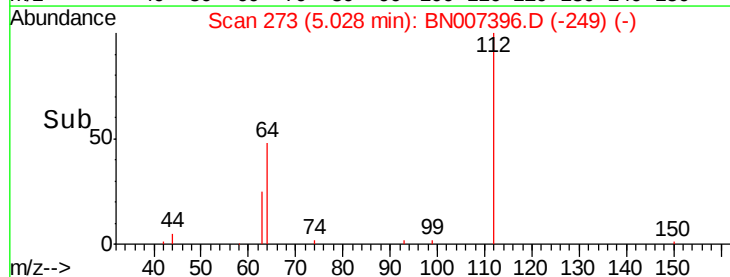
#4

2-Fluorophenol
 Concen: -0.023 ng
 RT: 5.03 min Scan# 273
 Delta R.T. -0.01 min
 Lab File: BN007396.D
 Acq: 25 Aug 2019 15:27

Tgt Ion:112 Resp: 925
 Ion Ratio Lower Upper
 112 100
 64 52.0 42.3 63.5
 63 30.4 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: -0.025 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007396.D

Acq: 25 Aug 2019 15:27

Instrument :

BNA_N

ClientSampleId :

S301-J-2.0-2.5-081919DL

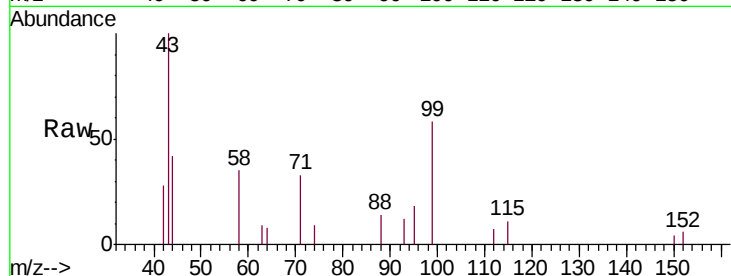
Tgt Ion: 99 Resp: 1176

Ion Ratio Lower Upper

99 100

42 20.0 11.2 16.8#

71 40.8 31.8 47.8

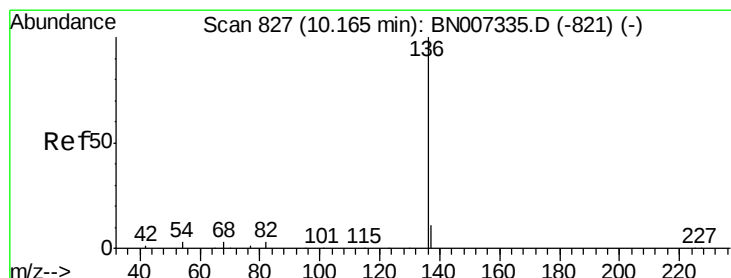
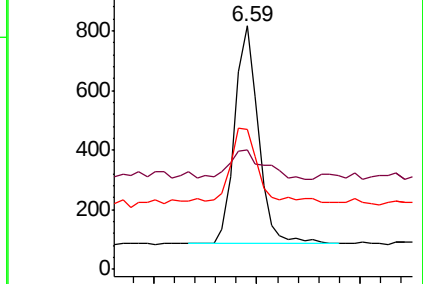
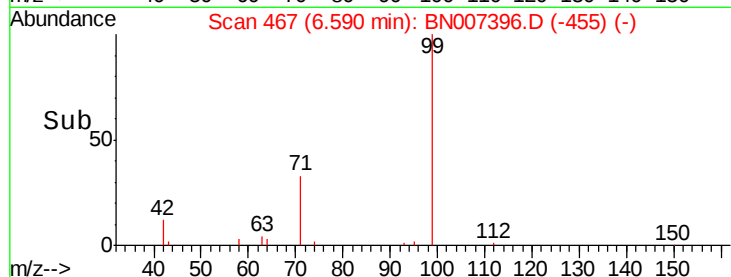


Abundance Ion 99.00 (98.70 to 99.70): BN007335.D (-462) (-)

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

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

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007396.D

Acq: 25 Aug 2019 15:27

Tgt Ion: 136 Resp: 153724

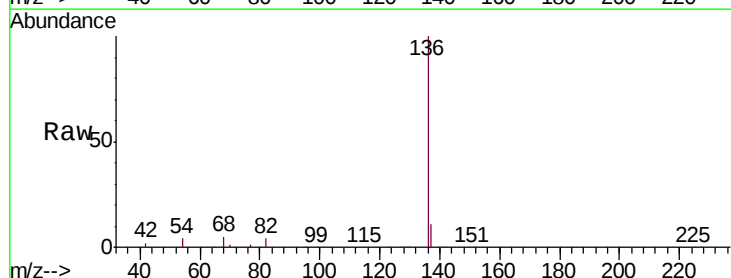
Ion Ratio Lower Upper

136 100

137 10.9 12.9 19.3#

54 4.1 8.6 12.8#

68 5.2 17.0 25.4#



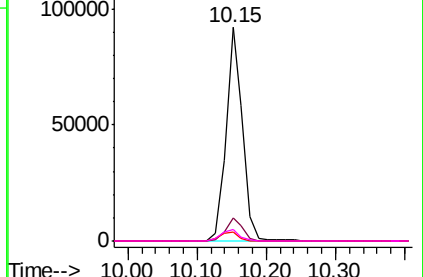
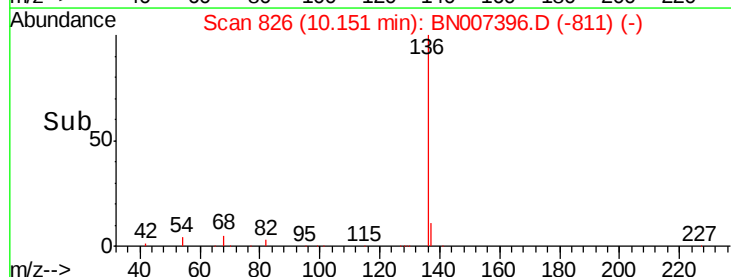
Abundance Ion 136.00 (135.70 to 136.70): BN007335.D (-821) (-)

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) (-)

Time-->

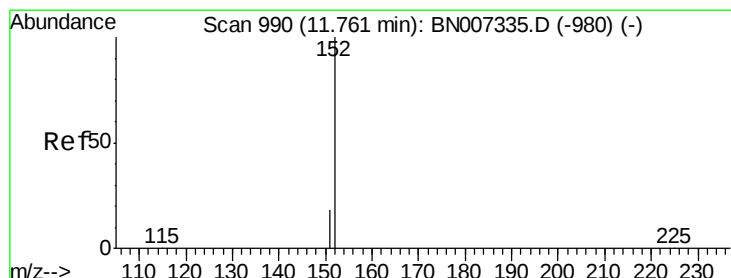
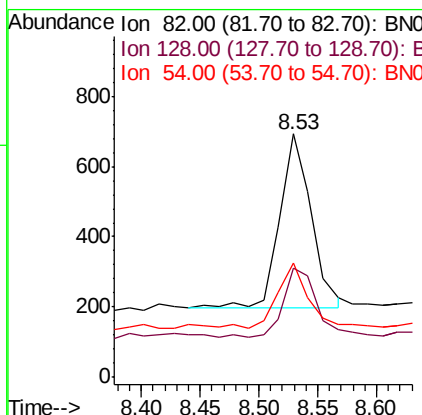
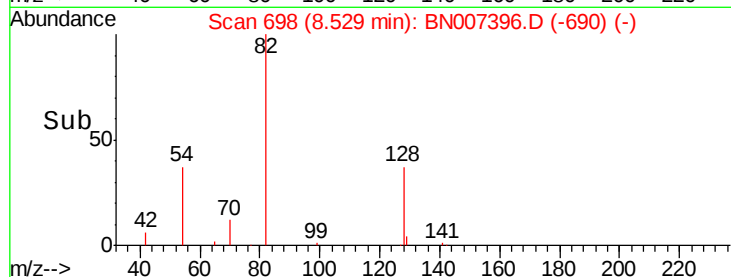
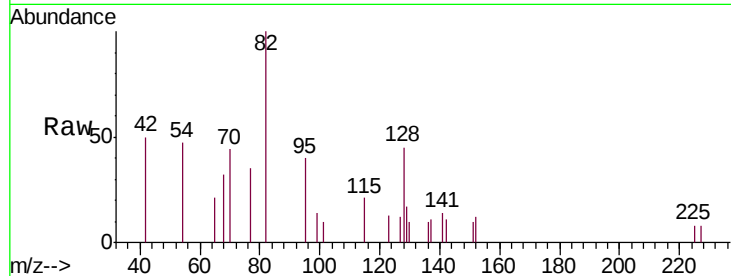




#8
 Nitrobenzene-d5
 Concen: 0.007 ng
 RT: 8.53 min Scan# 698
 Delta R.T. -0.00 min
 Lab File: BN007396.D
 Acq: 25 Aug 2019 15:27

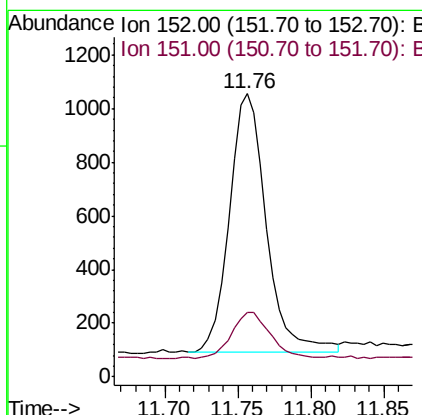
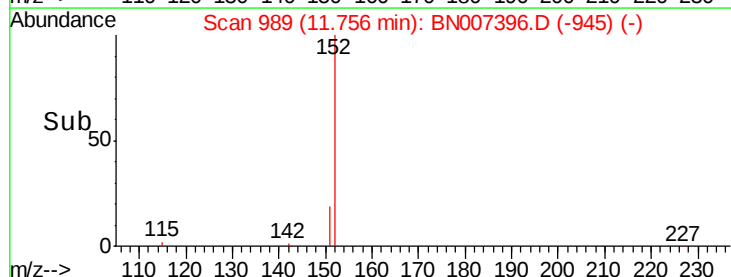
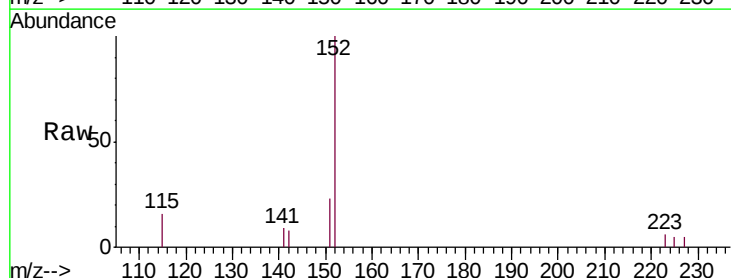
Instrument :
 BNA_N
 ClientSampleId :
 S301-J-2.0-2.5-081919DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.7	19.7	29.5#
54	46.8	25.8	38.6#



#11
 2-Methylnaphthalene-d10
 Concen: 0.007 ng
 RT: 11.76 min Scan# 989
 Delta R.T. -0.00 min
 Lab File: BN007396.D
 Acq: 25 Aug 2019 15:27

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.2	24.2





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BN007396.D

Acq: 25 Aug 2019 15:27

Instrument :

BNA_N

ClientSampleId :

S301-J-2.0-2.5-081919DL

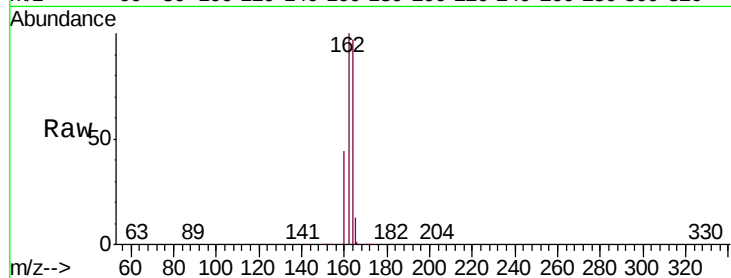
Tgt Ion:164 Resp: 89194

Ion Ratio Lower Upper

164 100

162 102.9 83.5 125.3

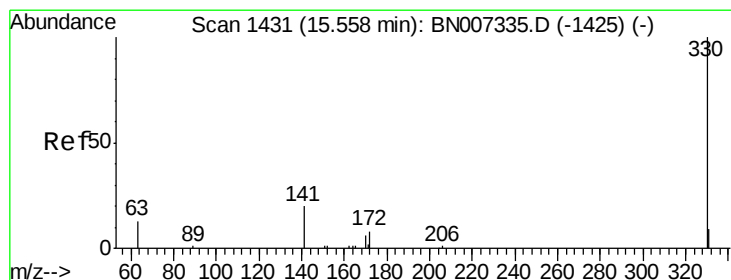
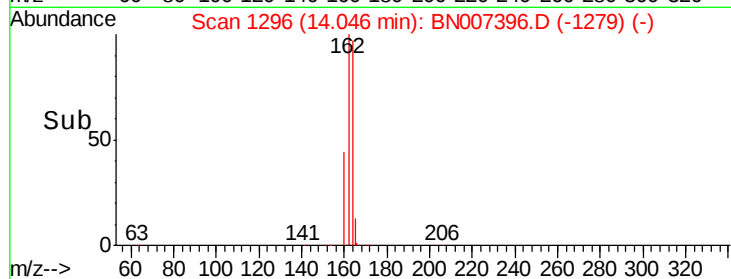
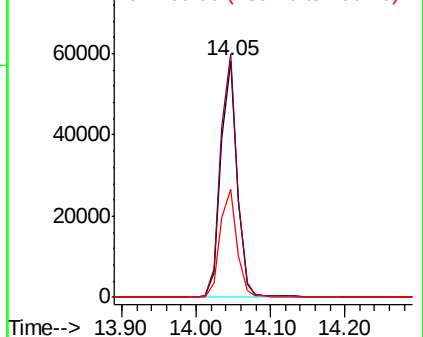
160 45.5 38.2 57.4



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: 0.007 ng

RT: 15.55 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BN007396.D

Acq: 25 Aug 2019 15:27

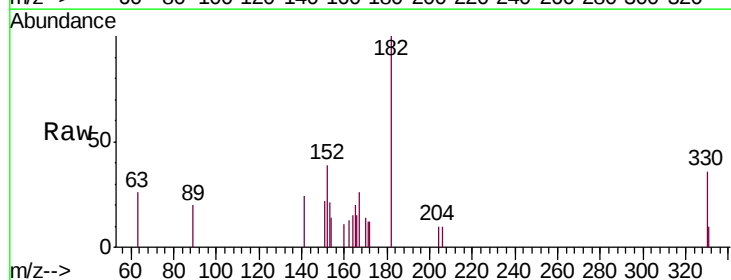
Tgt Ion:330 Resp: 343

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

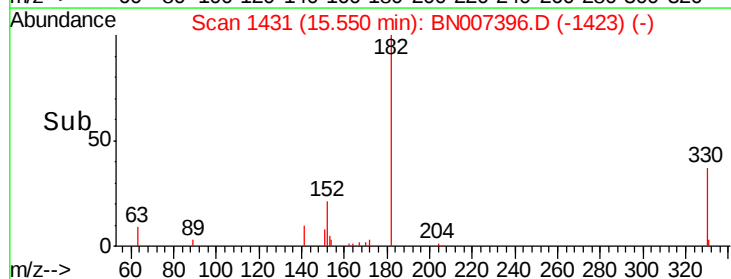
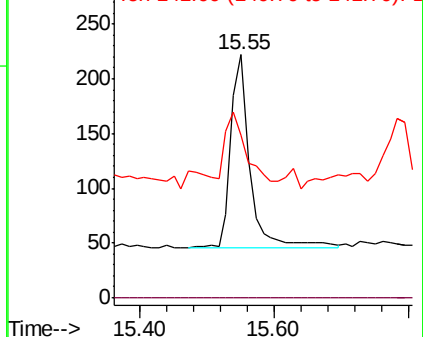
141 37.3 26.9 40.3

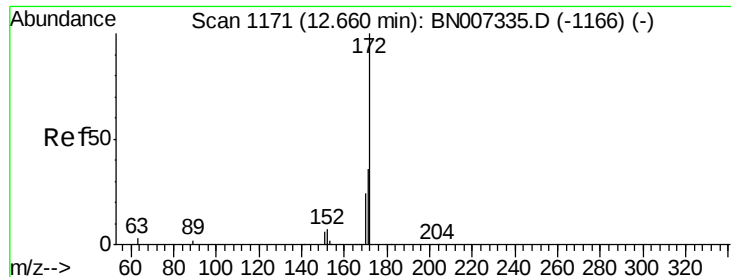


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.006 ng

RT: 12.66 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BN007396.D

Acq: 25 Aug 2019 15:27

Instrument :

BNA_N

ClientSampleId :

S301-J-2.0-2.5-081919DL

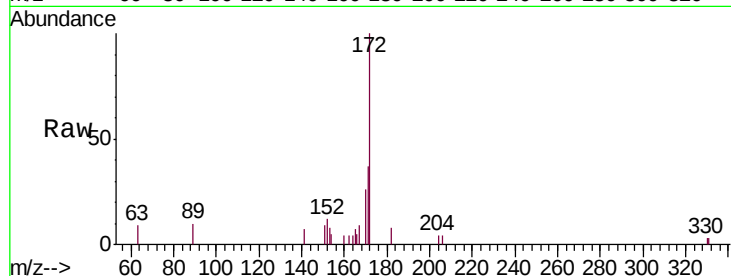
Tgt Ion:172 Resp: 2179

Ion Ratio Lower Upper

172 100

171 37.4 30.3 45.5

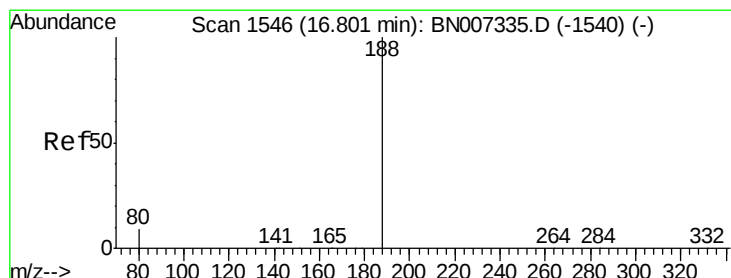
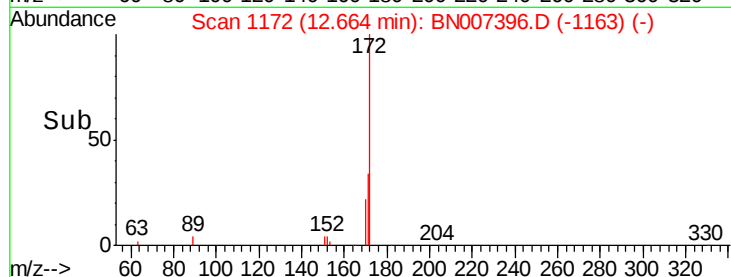
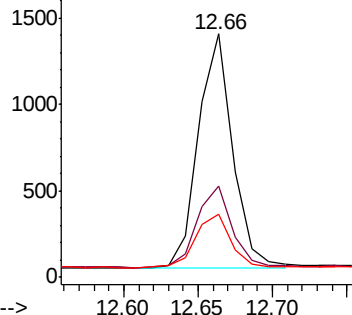
170 25.7 20.7 31.1



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: BN007396.D

Acq: 25 Aug 2019 15:27

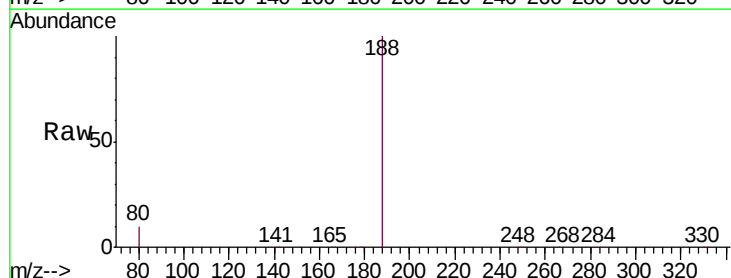
Tgt Ion:188 Resp: 184236

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

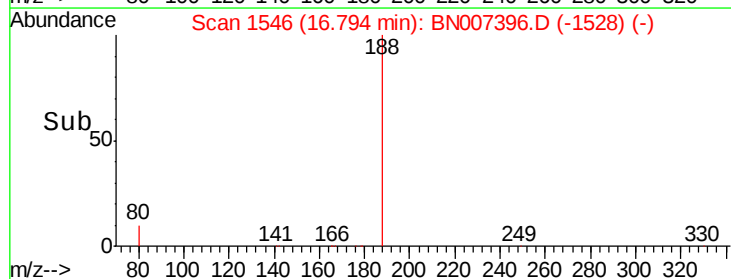
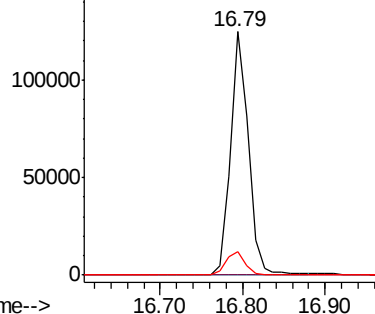
80 9.8 11.8 17.8#

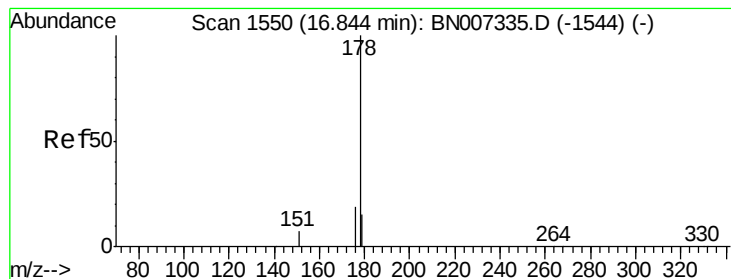


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#23

Phenanthrene

Concen: 0.196 ng

RT: 16.84 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BN007396.D

Acq: 25 Aug 2019 15:27

Instrument :

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S301-J-2.0-2.5-081919DL

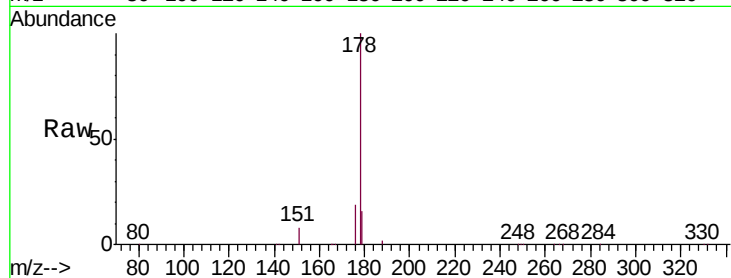
Tgt Ion:178 Resp: 108576

Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

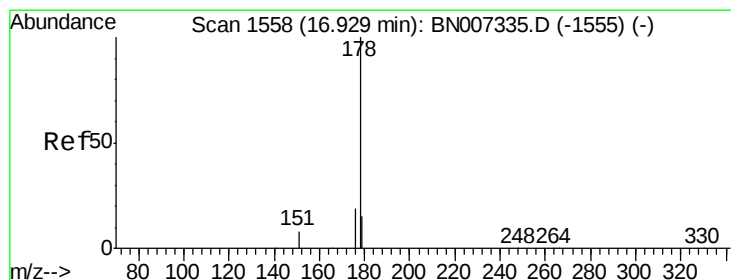
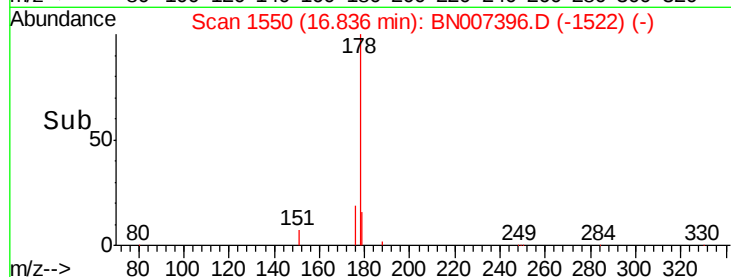
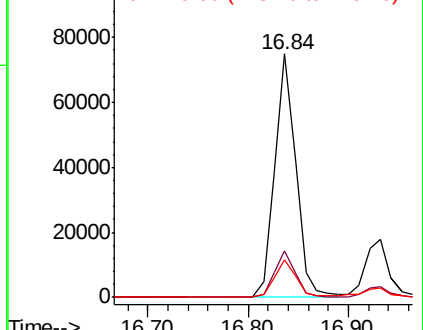
179 15.6 12.6 19.0



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: 0.052 ng

RT: 16.93 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BN007396.D

Acq: 25 Aug 2019 15:27

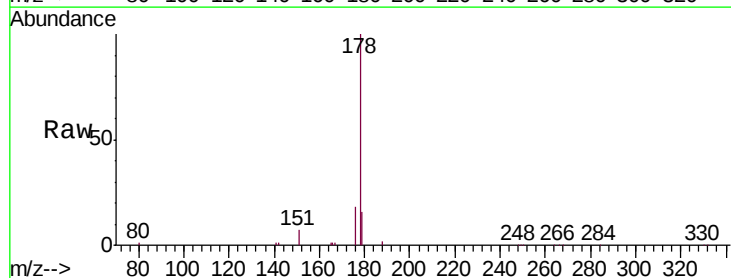
Tgt Ion:178 Resp: 29242

Ion Ratio Lower Upper

178 100

176 17.7 14.9 22.3

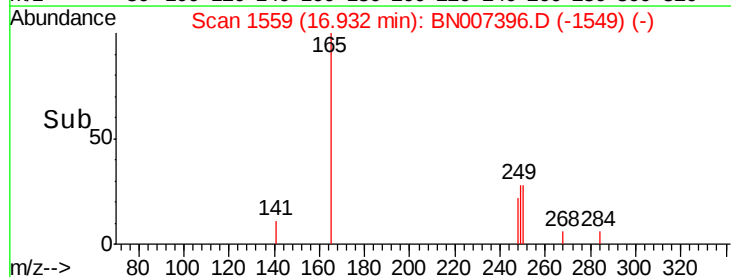
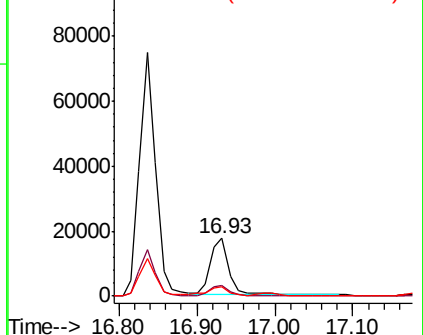
179 15.8 12.4 18.6

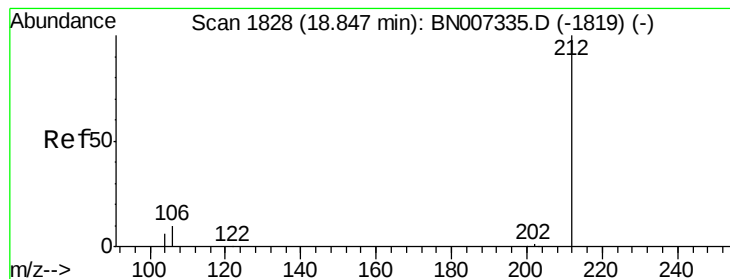


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.006 ng

RT: 18.84 min Scan# 1829

Delta R.T. -0.00 min

Lab File: BN007396.D

Acq: 25 Aug 2019 15:27

Instrument :

BNA_N

ClientSampleId :

S301-J-2.0-2.5-081919DL

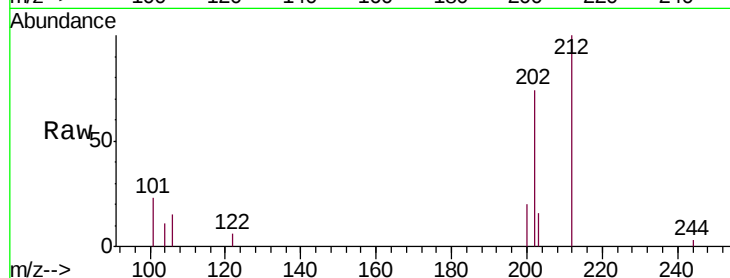
Tgt Ion:212 Resp: 3534

Ion Ratio Lower Upper

212 100

106 11.3 9.0 13.4

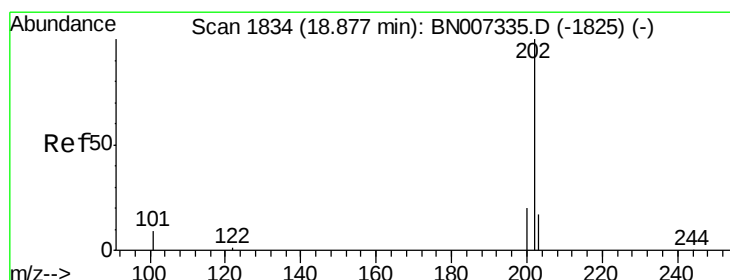
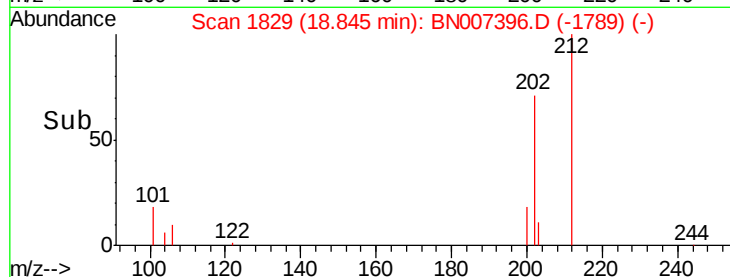
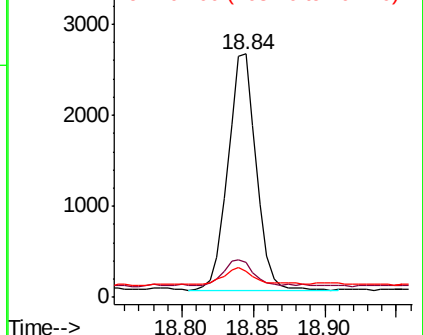
104 8.9 5.4 8.2#



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: 0.517 ng

RT: 18.87 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BN007396.D

Acq: 25 Aug 2019 15:27

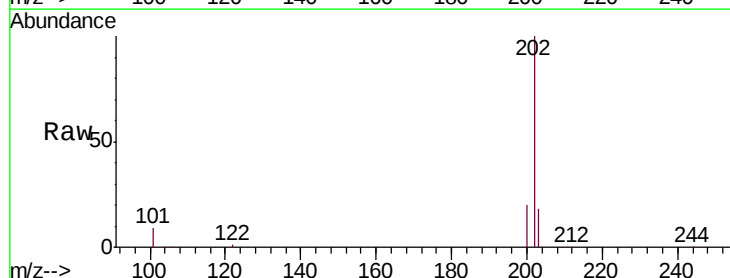
Tgt Ion:202 Resp: 367579

Ion Ratio Lower Upper

202 100

101 9.7 7.7 11.5

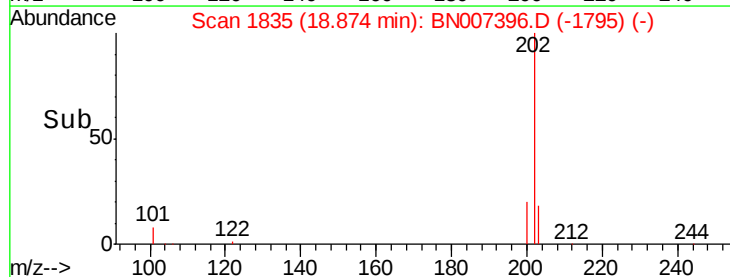
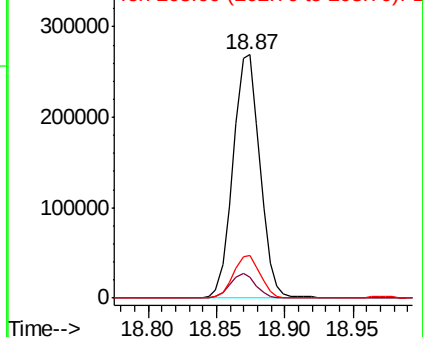
203 17.4 13.7 20.5

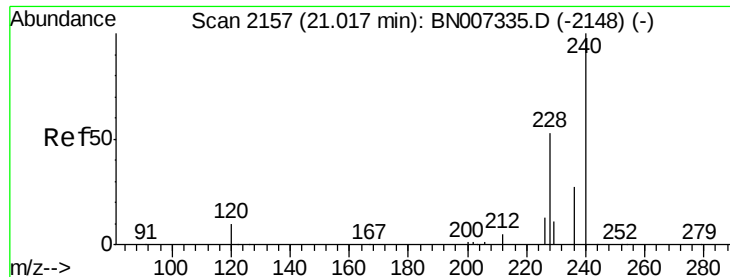


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

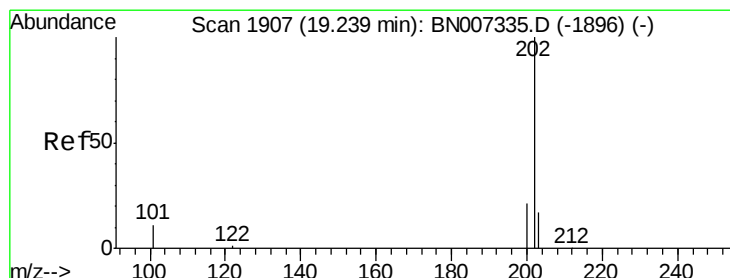
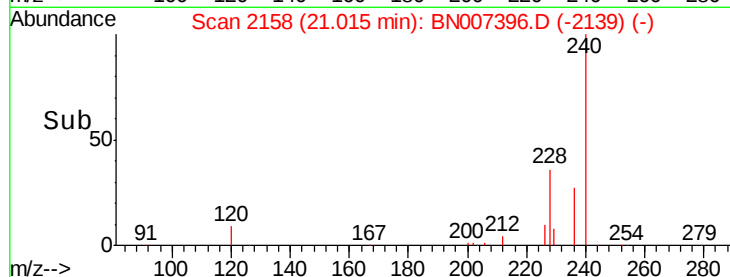
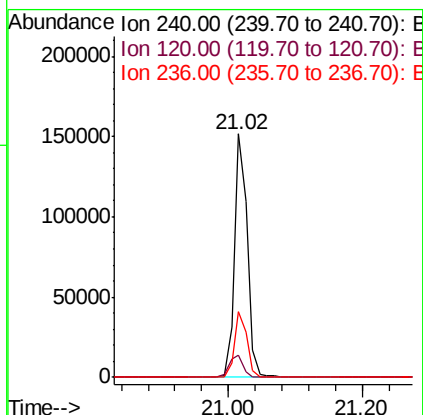
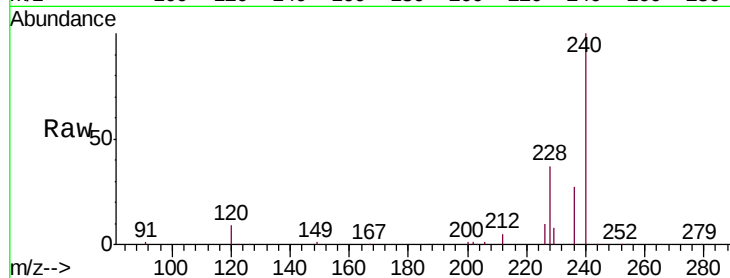




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.02 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

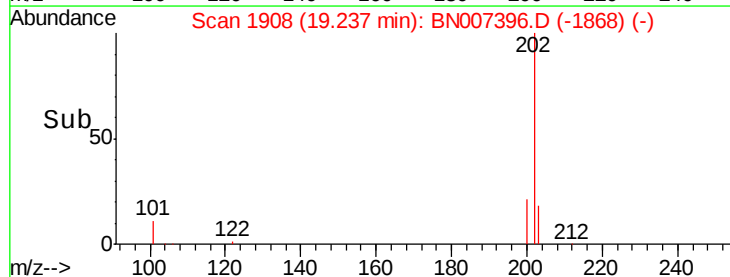
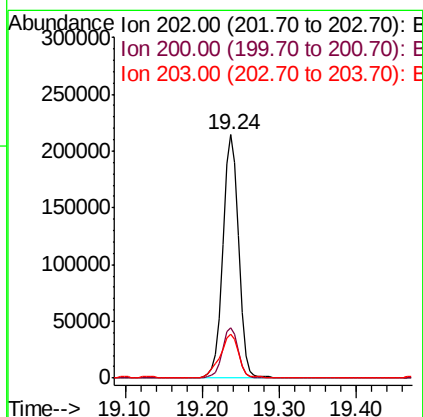
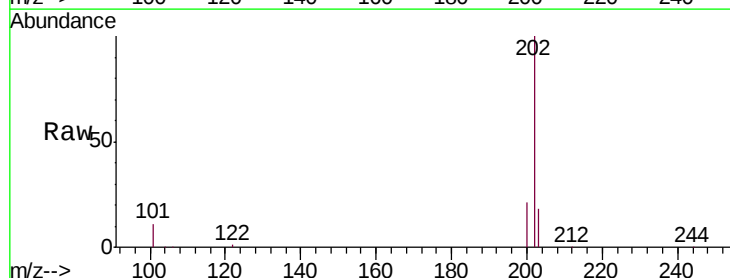
Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

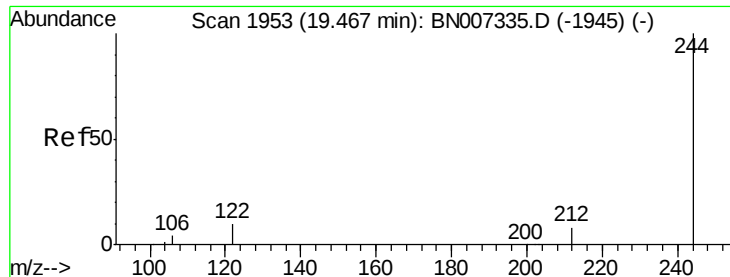
Tgt Ion:240 Resp: 201482
Ion Ratio Lower Upper
240 100
120 9.2 9.6 14.4#
236 26.8 22.2 33.2



#28
Pyrene
Concen: 0.374 ng
RT: 19.24 min Scan# 1908
Delta R.T. -0.00 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Tgt Ion:202 Resp: 302738
Ion Ratio Lower Upper
202 100
200 20.9 16.6 25.0
203 21.5 14.2 21.4#





#29

Terphenyl-d14

Concen: 0.006 ng

RT: 19.46 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BN007396.D

Acq: 25 Aug 2019 15:27

Instrument :

BNA_N

ClientSampleId :

S301-J-2.0-2.5-081919DL

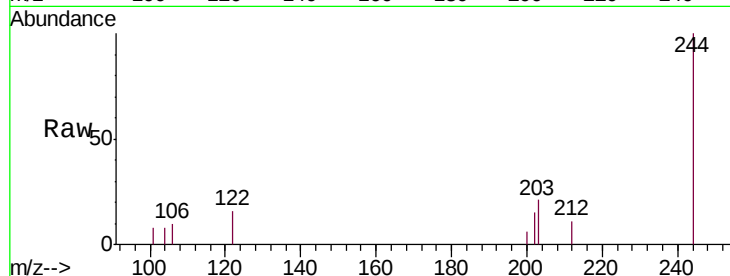
Tgt Ion:244 Resp: 2930

Ion Ratio Lower Upper

244 100

212 10.9 7.0 10.6#

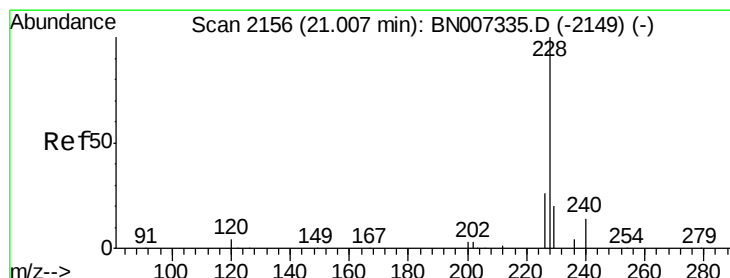
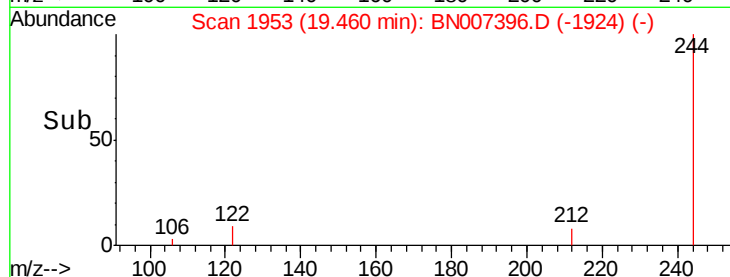
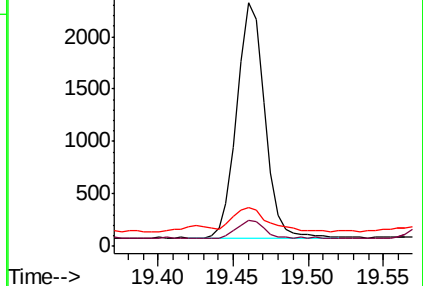
122 16.2 9.6 14.4#



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: 0.286 ng

RT: 21.00 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BN007396.D

Acq: 25 Aug 2019 15:27

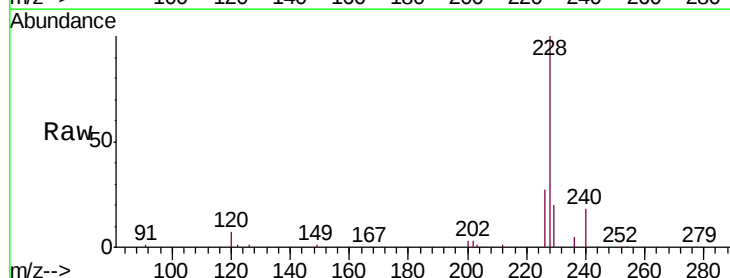
Tgt Ion:228 Resp: 226561

Ion Ratio Lower Upper

228 100

226 26.7 21.3 31.9

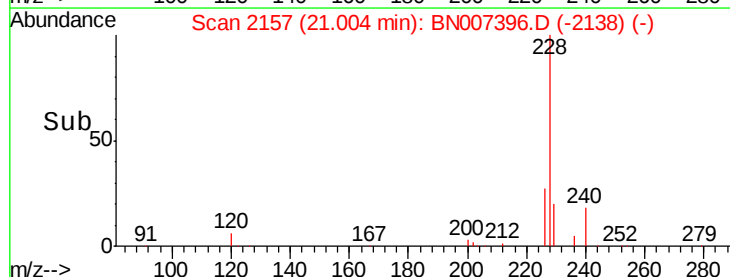
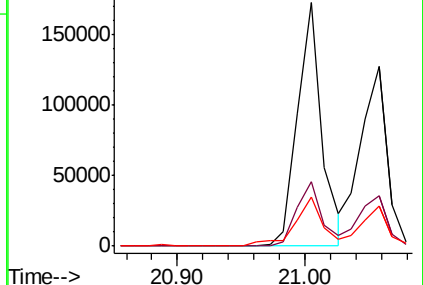
229 20.1 16.1 24.1

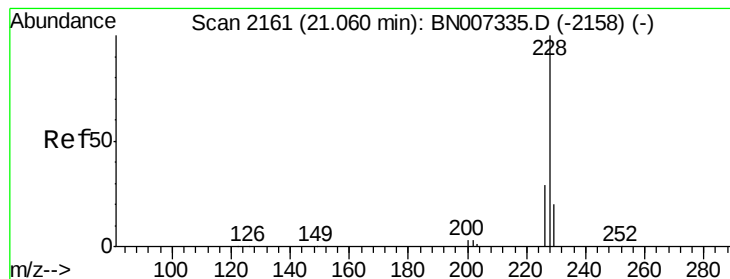


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.238 ng

RT: 21.06 min Scan# 2162

Delta R.T. -0.00 min

Lab File: BN007396.D

Acq: 25 Aug 2019 15:27

Instrument :

BNA_N

ClientSampleId :

S301-J-2.0-2.5-081919DL

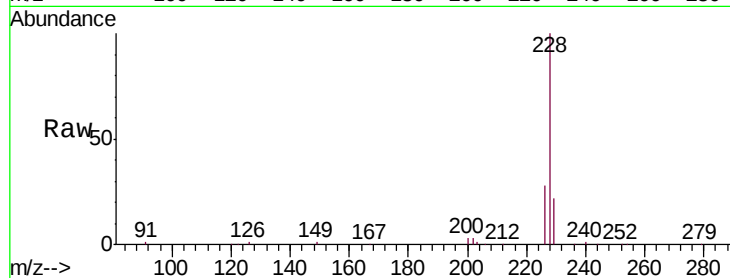
Tgt Ion:228 Resp: 182117

Ion Ratio Lower Upper

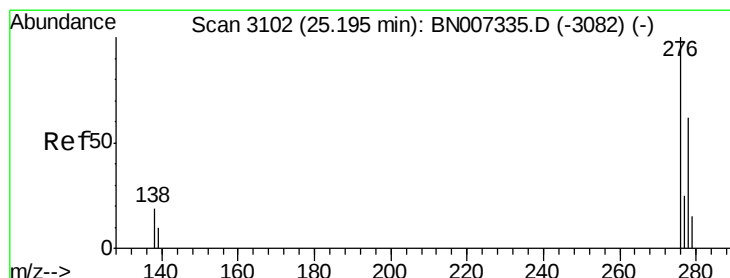
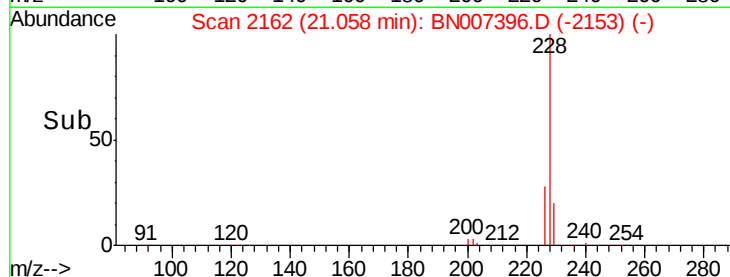
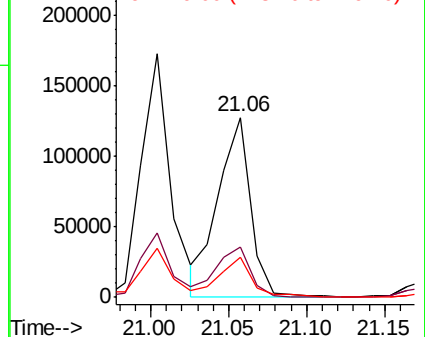
228 100

226 28.1 23.5 35.3

229 22.0 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



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.121 ng

RT: 25.18 min Scan# 3100

Delta R.T. -0.01 min

Lab File: BN007396.D

Acq: 25 Aug 2019 15:27

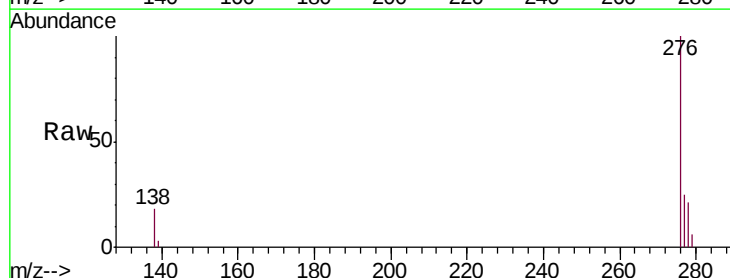
Tgt Ion:276 Resp: 111086

Ion Ratio Lower Upper

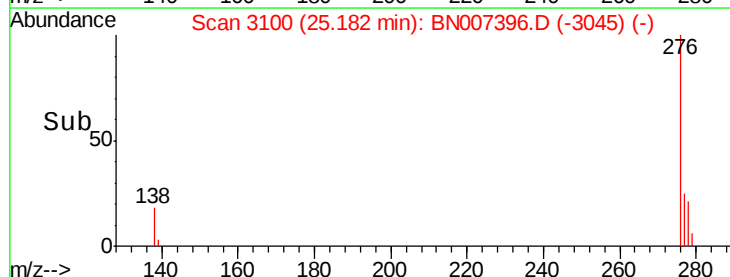
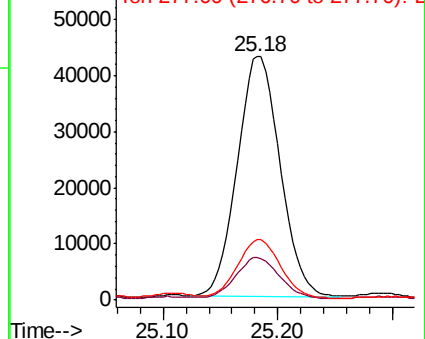
276 100

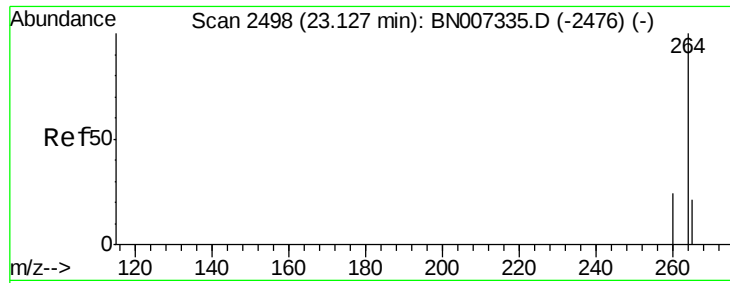
138 18.4 15.1 22.7

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: 23.13 min Scan# 2499

Delta R.T. -0.00 min

Lab File: BN007396.D

Acq: 25 Aug 2019 15:27

Instrument :

BNA_N

ClientSampleId :

S301-J-2.0-2.5-081919DL

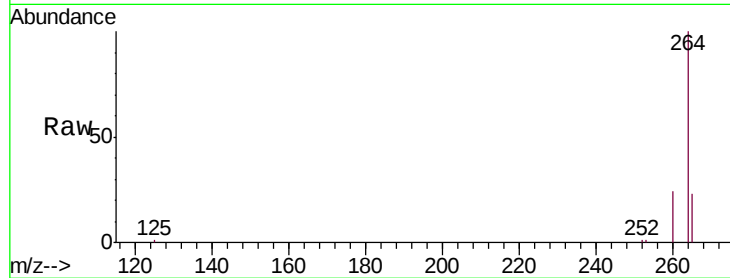
Tgt Ion:264 Resp: 227350

Ion Ratio Lower Upper

264 100

260 24.4 19.7 29.5

265 22.9 29.9 44.9#

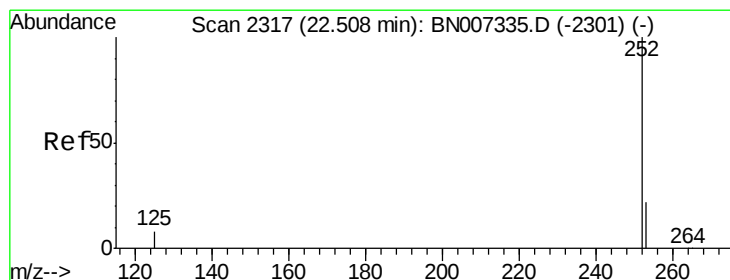
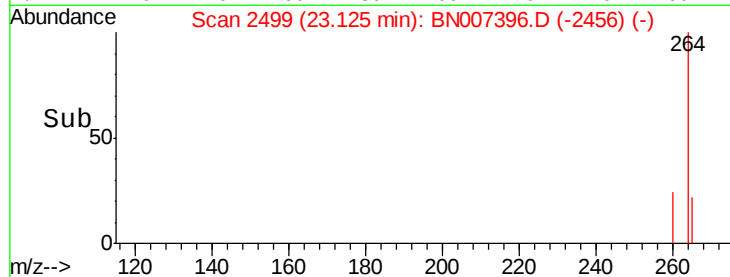
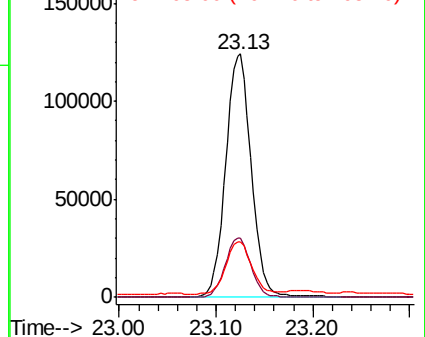


Abundance

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: 0.041 ng

RT: 22.66 min Scan# 2364

Delta R.T. 0.16 min

Lab File: BN007396.D

Acq: 25 Aug 2019 15:27

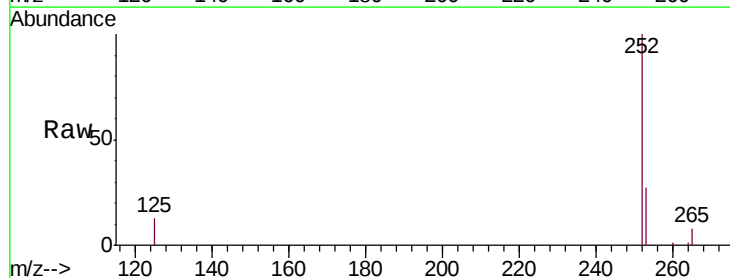
Tgt Ion:252 Resp: 33374

Ion Ratio Lower Upper

252 100

253 26.6 19.2 28.8

125 12.6 10.6 16.0

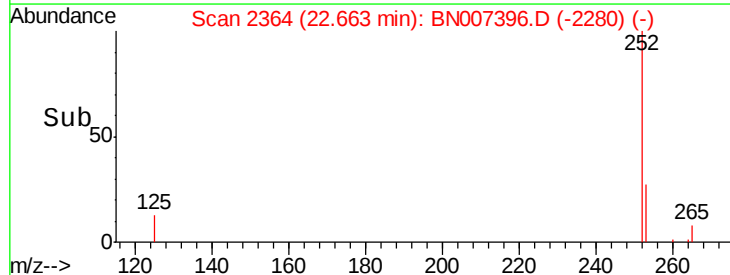
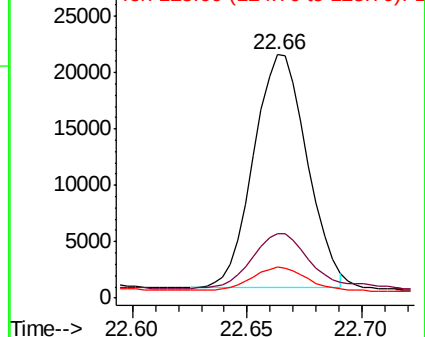


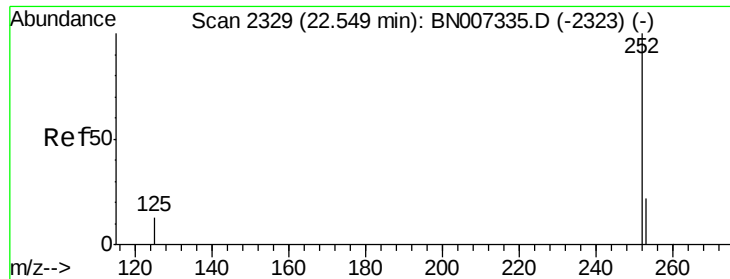
Abundance

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

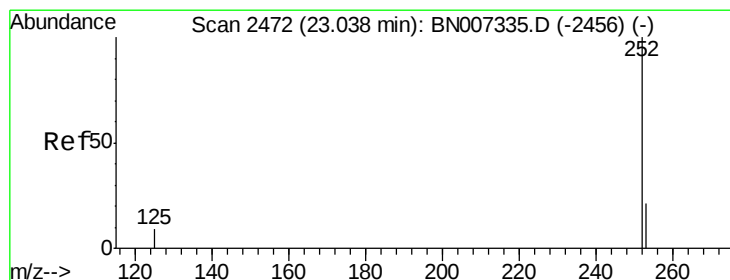
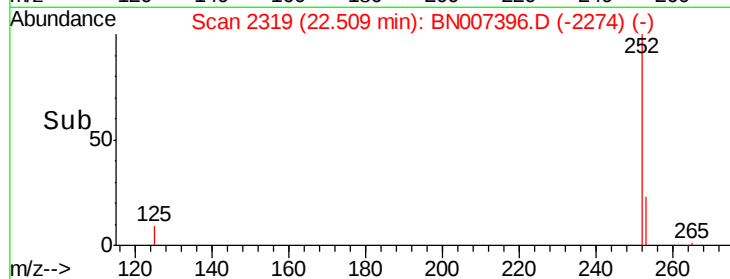
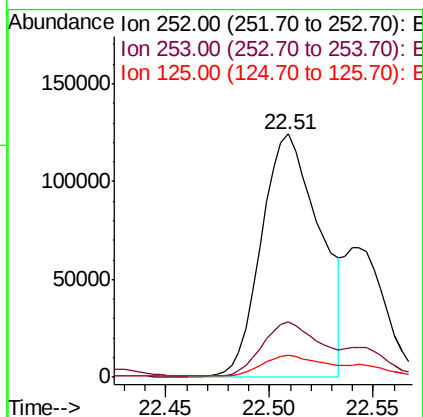
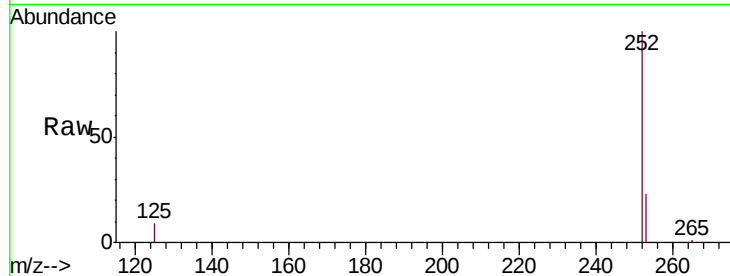




#36
Benzo(k)fluoranthene
Concen: 0.297 ng
RT: 22.51 min Scan# 2319
Delta R.T. -0.04 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

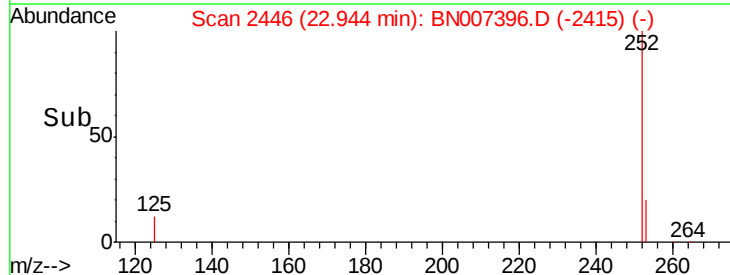
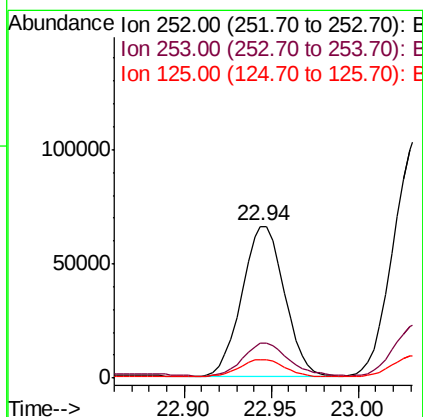
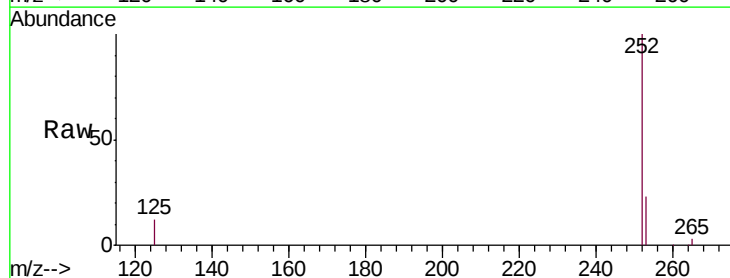
Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

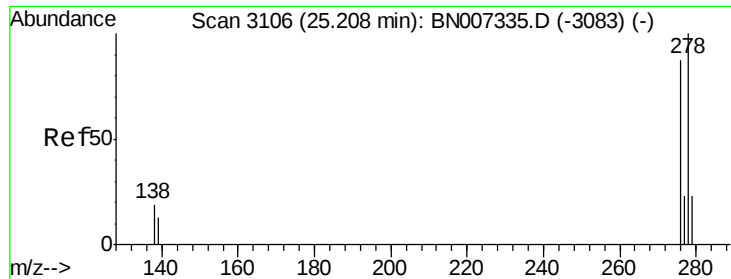
Tgt Ion:252 Resp: 241893
Ion Ratio Lower Upper
252 100
253 22.6 19.4 29.2
125 8.9 13.1 19.7#



#37
Benzo(a)pyrene
Concen: 0.143 ng
RT: 22.94 min Scan# 2446
Delta R.T. -0.09 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Tgt Ion:252 Resp: 112394
Ion Ratio Lower Upper
252 100
253 22.8 19.5 29.3
125 12.5 12.1 18.1

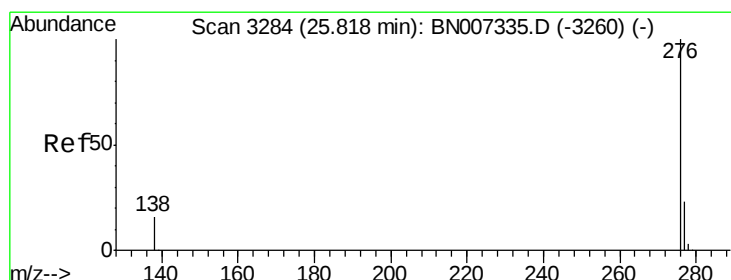
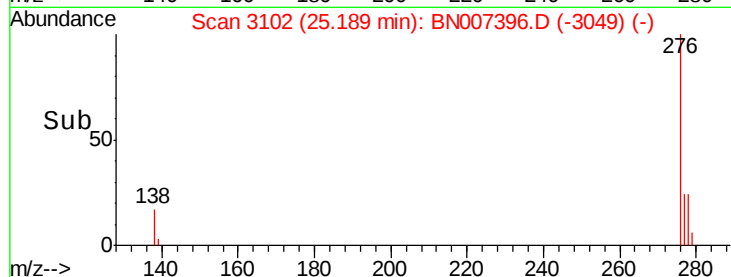
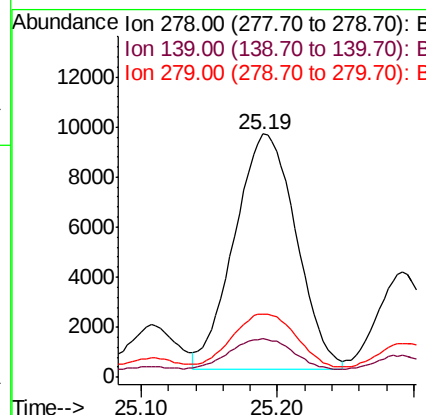
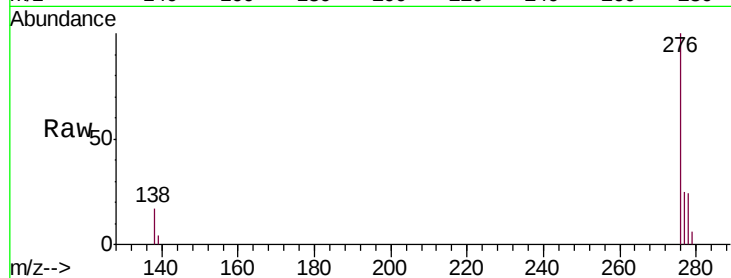




#38
Dibenzo(a,h)anthracene
Concen: 0.038 ng
RT: 25.19 min Scan# 3102
Delta R.T. -0.02 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

Tgt Ion: 278 Resp: 29742
Ion Ratio Lower Upper
278 100
139 16.1 13.7 20.5
279 26.2 20.2 30.4



#39
Benzo(g,h,i)perylene
Concen: 0.129 ng
RT: 25.81 min Scan# 3283
Delta R.T. -0.01 min
Lab File: BN007396.D
Acq: 25 Aug 2019 15:27

Tgt Ion: 276 Resp: 100885
Ion Ratio Lower Upper
276 100
277 24.3 19.6 29.4
138 17.8 16.3 24.5

