

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\
 Data File : BN006524.D
 Acq On : 24 Jun 2019 10:30
 Operator : HP/JU
 Sample : K3360-24
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41T2

Quant Time: Jun 25 11:07:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	5858	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.41	136	22015	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.28	164	12061	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.04	188	25479	0.40	ng/ul	-0.02
16) Chrysene-d12	21.27	240	16528	0.40	ng/ul	0.00
20) Perylene-d12	23.51	264	16074	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.01	152	8985	0.27	ng/ul	-0.02
14) Fluoranthene-d10	19.08	212	19747	0.29	ng/ul	0.00

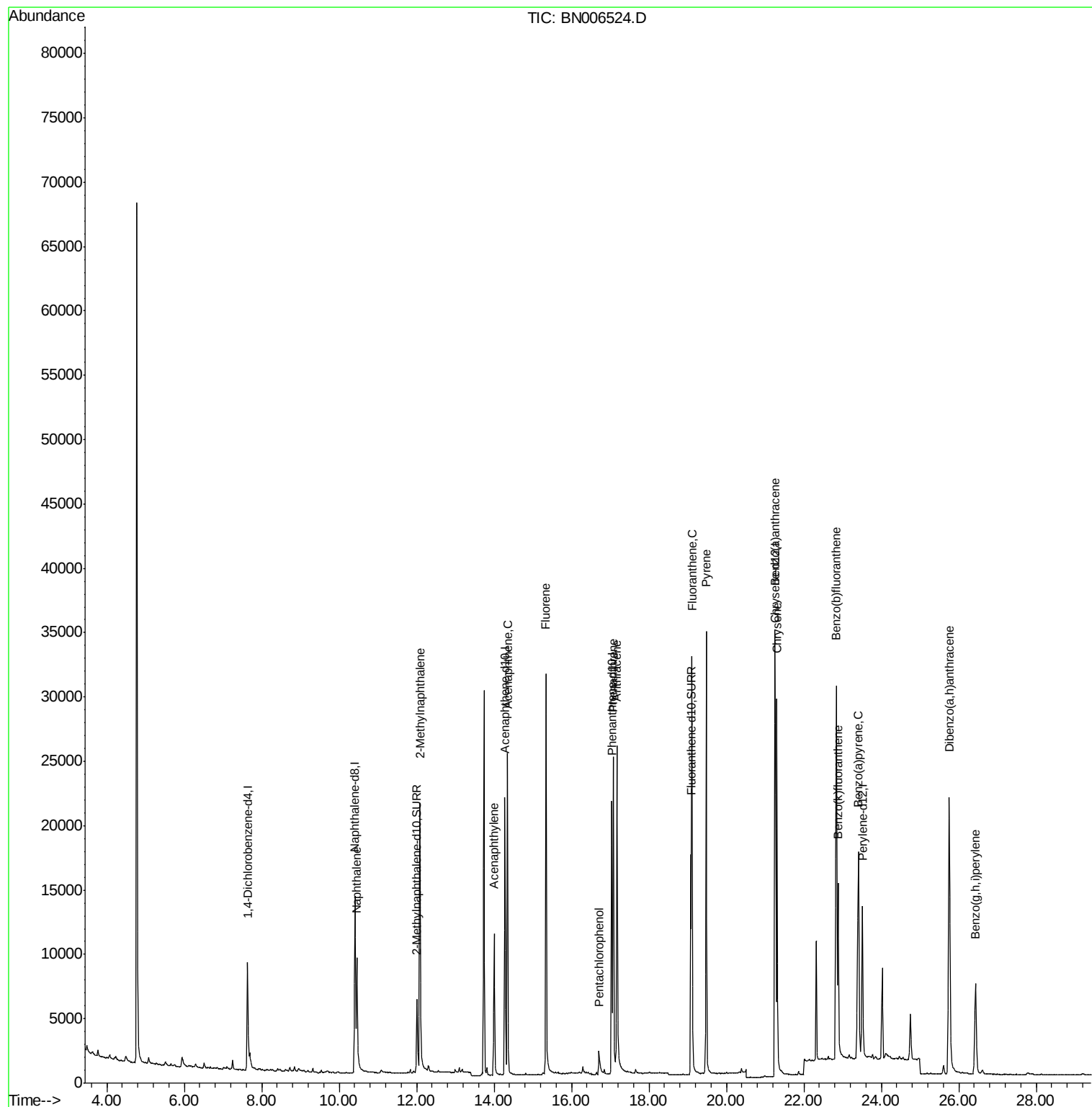
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.46	128	13987	0.230	ng/ul	99
5) 2-Methylnaphthalene	12.08	142	18783	0.444	ng/ul	100
7) Acenaphthylene	14.00	152	14031	0.209	ng/ul	99
8) Acenaphthene	14.34	153	14321	0.308	ng/ul	100
9) Fluorene	15.34	166	21845	0.401	ng/ul	98
11) Pentachlorophenol	16.71	266	2500	0.386	ng/ul	99
12) Phenanthrene	17.08	178	26162	0.320	ng/ul	99
13) Anthracene	17.17	178	30792	0.394	ng/ul	99
15) Fluoranthene	19.11	202	28673	0.317	ng/ul	97
17) Pyrene	19.48	202	28782	0.331	ng/ul	99
18) Benzo(a)anthracene	21.25	228	28130	0.385	ng/ul	98
19) Chrysene	21.30	228	28565	0.416	ng/ul	99
21) Benzo(b)fluoranthene	22.84	252	33259	0.496	ng/ul	89
22) Benzo(k)fluoranthene	22.88	252	18051	0.276	ng/ul	98
23) Benzo(a)pyrene	23.41	252	23796	0.381	ng/ul	94
25) Dibenzo(a,h)anthracene	25.75	278	32679	0.605	ng/ul	93
26) Benzo(g,h,i)perylene	26.43	276	14285	0.252	ng/ul	96

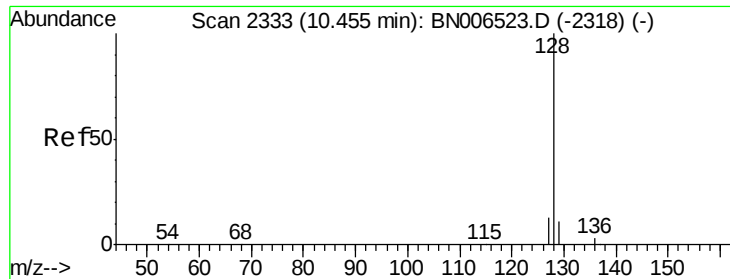
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.230 ng/ul

RT: 10.46 min Scan# 2333

Delta R.T. -0.02 min

Lab File: BN006524.D

Acq: 24 Jun 2019 10:30

Instrument :

BNA_N

ClientSampleId :

A41T2

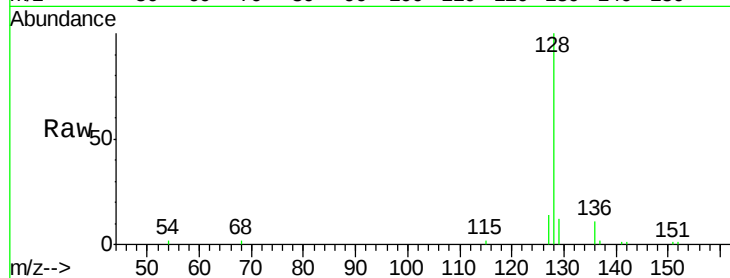
Tgt Ion:128 Resp: 13987

Ion Ratio Lower Upper

128 100

129 11.7 9.3 13.9

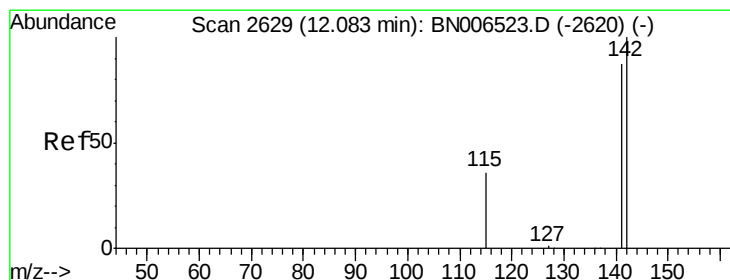
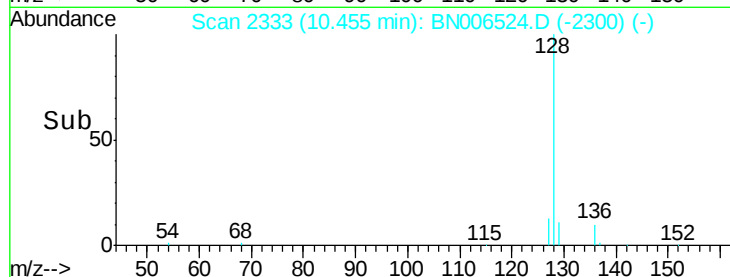
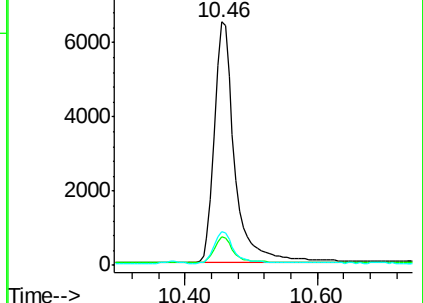
127 13.9 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.444 ng/ul

RT: 12.08 min Scan# 2629

Delta R.T. -0.01 min

Lab File: BN006524.D

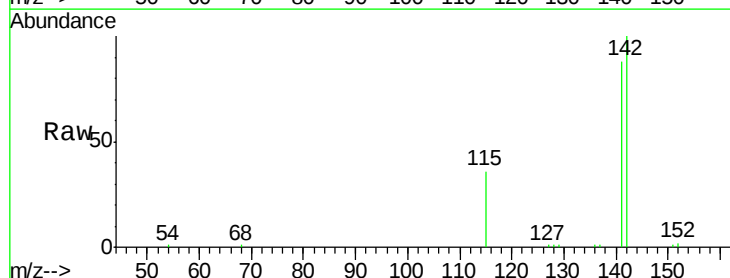
Acq: 24 Jun 2019 10:30

Tgt Ion:142 Resp: 18783

Ion Ratio Lower Upper

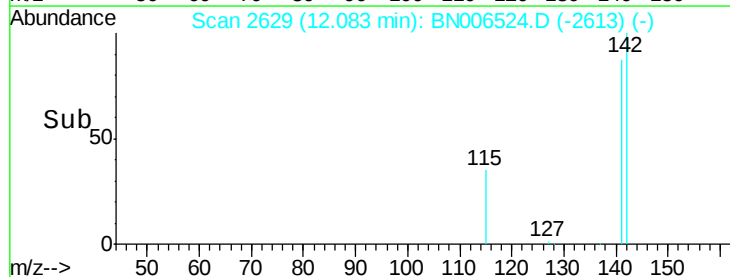
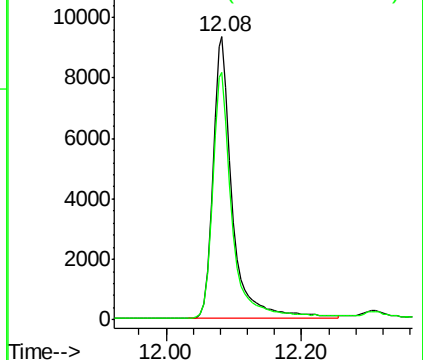
142 100

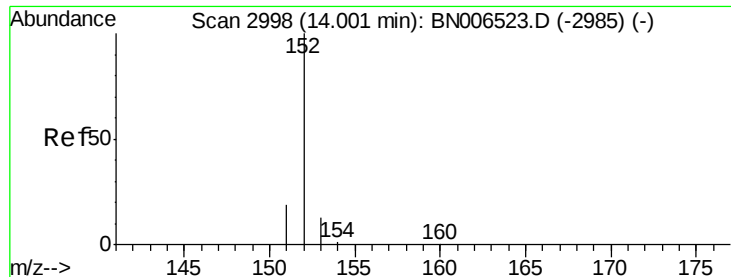
141 88.0 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.209 ng/ul

RT: 14.00 min Scan# 2998

Delta R.T. -0.01 min

Lab File: BN006524.D

Acq: 24 Jun 2019 10:30

Instrument :

BNA_N

ClientSampleId :

A41T2

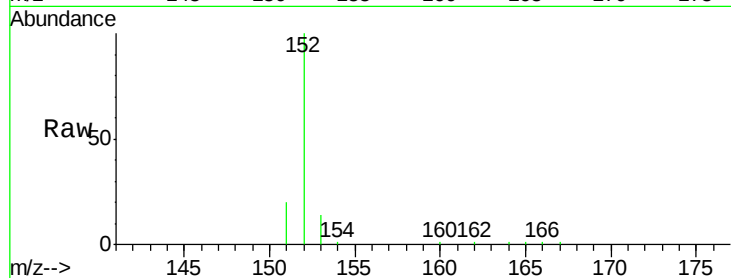
Tgt Ion:152 Resp: 14031

Ion Ratio Lower Upper

152 100

151 20.2 15.8 23.8

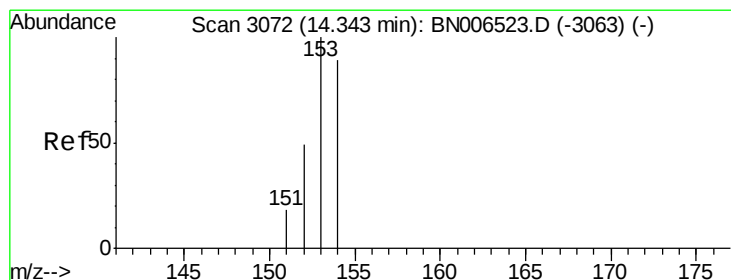
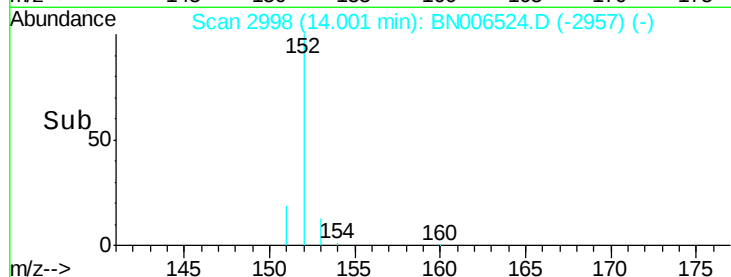
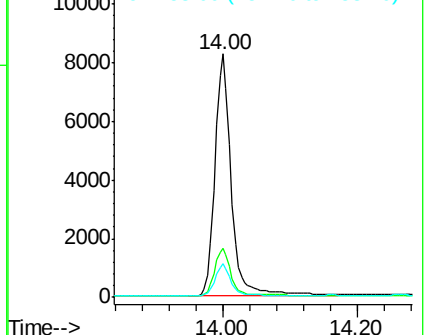
153 13.7 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 0.308 ng/ul

RT: 14.34 min Scan# 3072

Delta R.T. -0.01 min

Lab File: BN006524.D

Acq: 24 Jun 2019 10:30

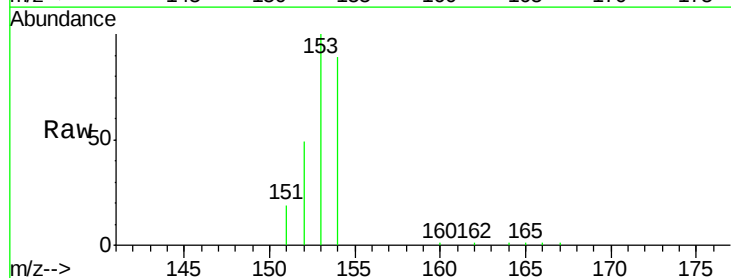
Tgt Ion:153 Resp: 14321

Ion Ratio Lower Upper

153 100

152 49.4 39.1 58.7

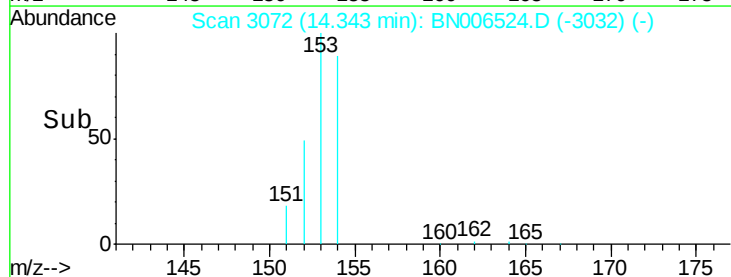
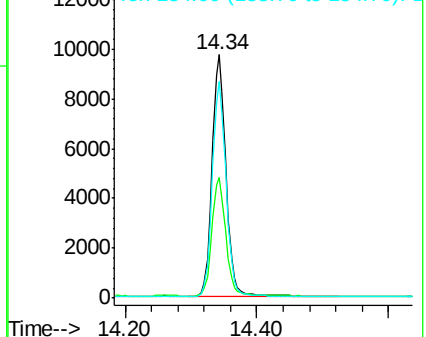
154 89.0 71.1 106.7

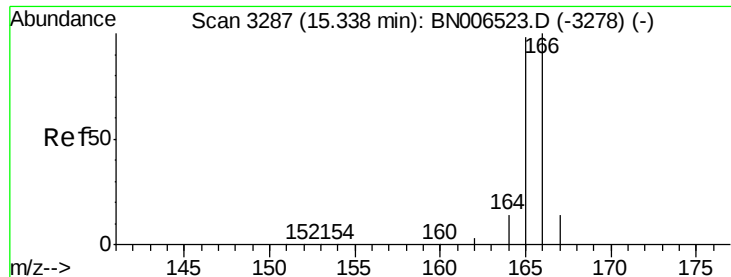


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.401 ng/ul

RT: 15.34 min Scan# 3287

Delta R.T. -0.01 min

Lab File: BN006524.D

Acq: 24 Jun 2019 10:30

Instrument :

BNA_N

ClientSampleId :

A41T2

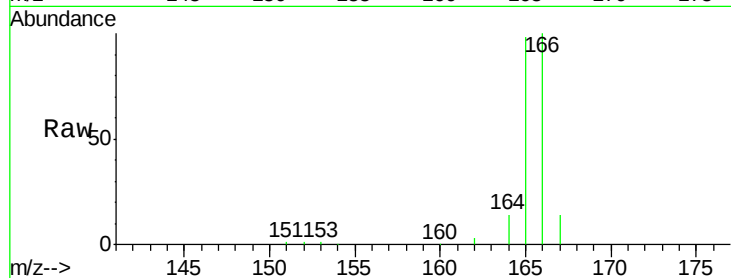
Tgt Ion:166 Resp: 21845

Ion Ratio Lower Upper

166 100

165 97.8 76.4 114.6

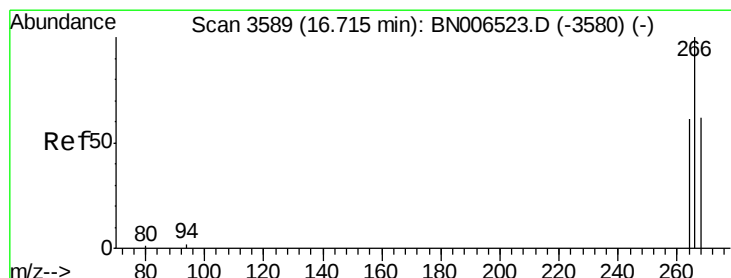
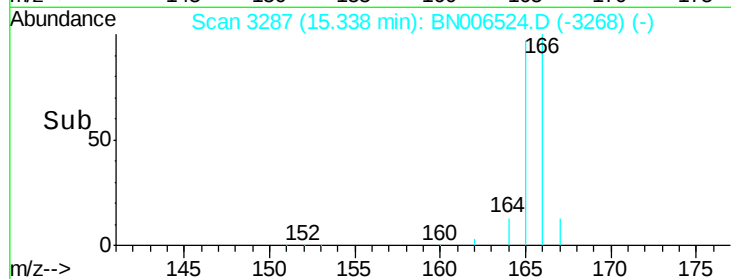
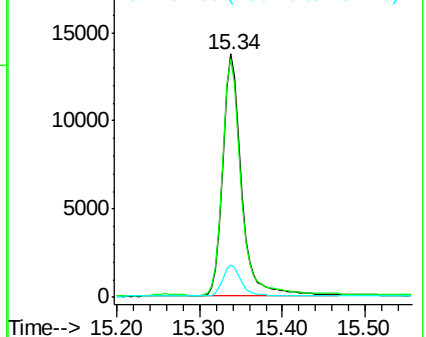
167 13.5 11.0 16.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#11

Pentachlorophenol

Concen: 0.386 ng/ul

RT: 16.71 min Scan# 3588

Delta R.T. -0.01 min

Lab File: BN006524.D

Acq: 24 Jun 2019 10:30

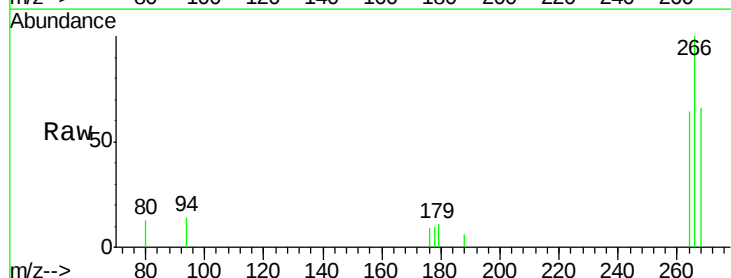
Tgt Ion:266 Resp: 2500

Ion Ratio Lower Upper

266 100

264 63.5 50.3 75.5

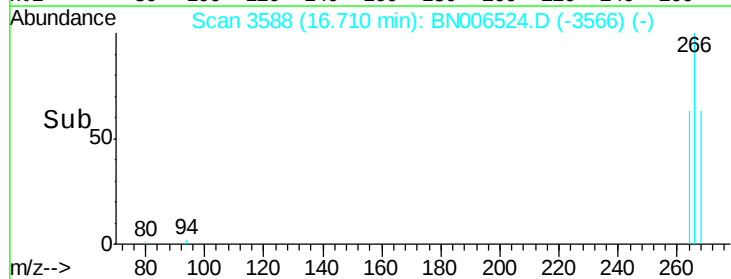
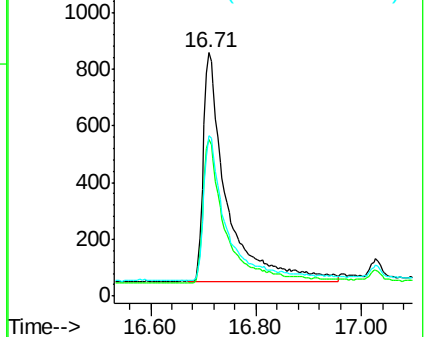
268 65.4 51.3 76.9

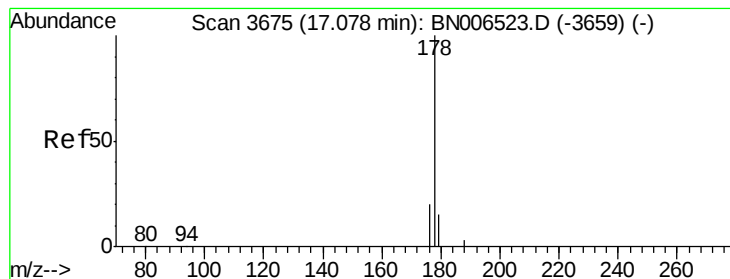


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.320 ng/ul

RT: 17.08 min Scan# 3675

Delta R.T. -0.01 min

Lab File: BN006524.D

Acq: 24 Jun 2019 10:30

Instrument :

BNA_N

ClientSampleId :

A41T2

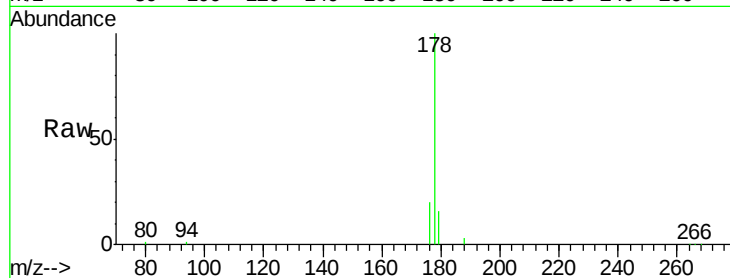
Tgt Ion:178 Resp: 26162

Ion Ratio Lower Upper

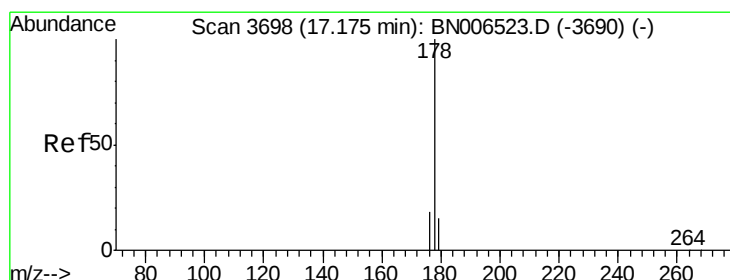
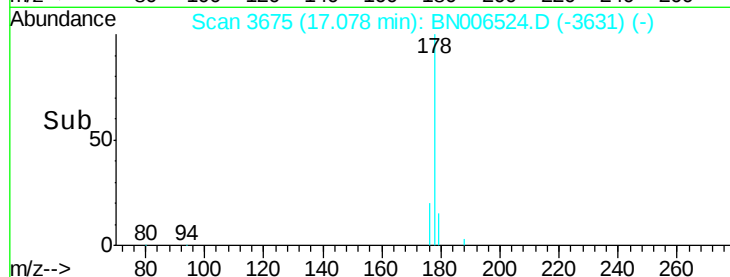
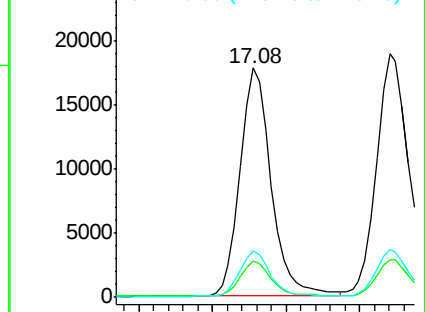
178 100

179 15.6 12.3 18.5

176 20.0 15.3 22.9



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 0.394 ng/ul

RT: 17.17 min Scan# 3697

Delta R.T. -0.02 min

Lab File: BN006524.D

Acq: 24 Jun 2019 10:30

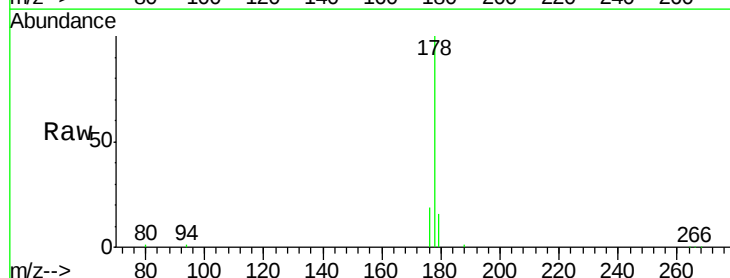
Tgt Ion:178 Resp: 30792

Ion Ratio Lower Upper

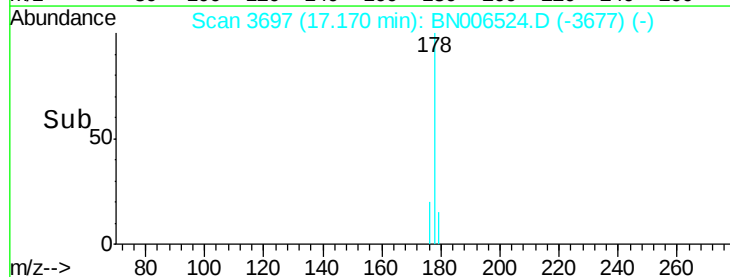
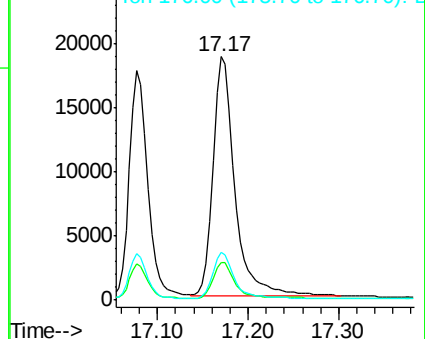
178 100

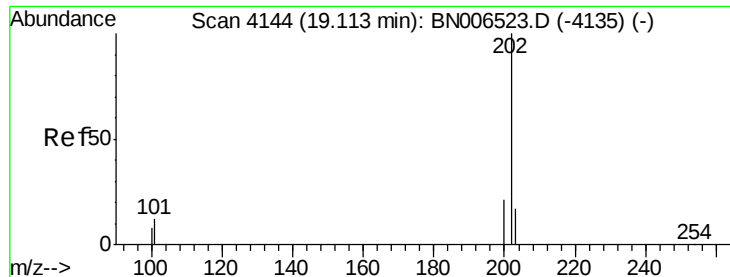
179 15.6 12.2 18.4

176 19.4 15.1 22.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.317 ng/ul

RT: 19.11 min Scan# 4143

Delta R.T. -0.01 min

Lab File: BN006524.D

Acq: 24 Jun 2019 10:30

Instrument :

BNA_N

ClientSampleId :

A41T2

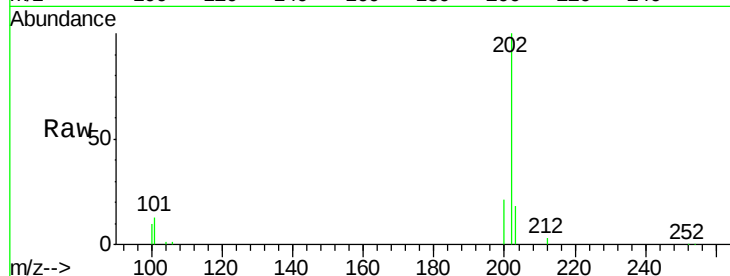
Tgt Ion:202 Resp: 28673

Ion Ratio Lower Upper

202 100

101 13.3 0.0 32.1

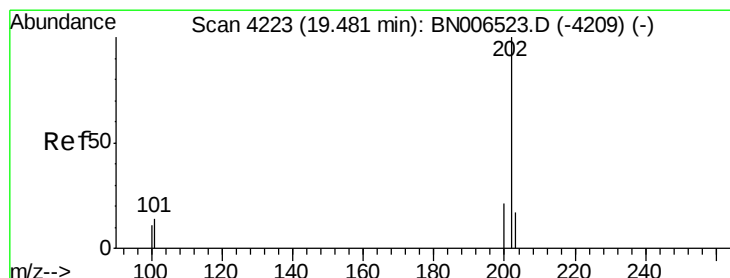
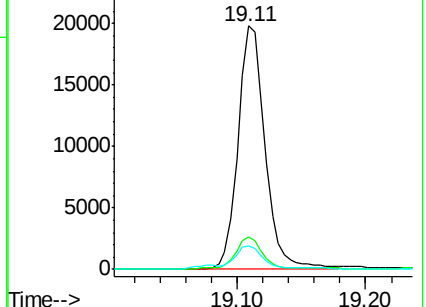
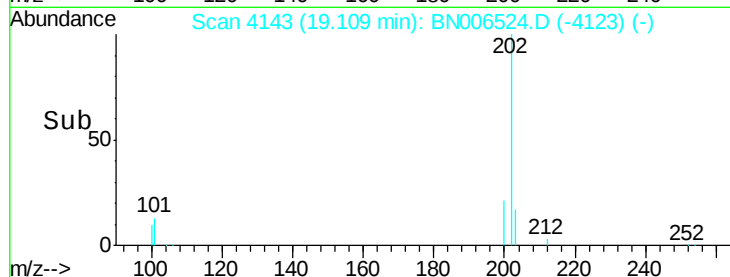
100 9.9 0.0 28.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#17

Pyrene

Concen: 0.331 ng/ul

RT: 19.48 min Scan# 4222

Delta R.T. -0.01 min

Lab File: BN006524.D

Acq: 24 Jun 2019 10:30

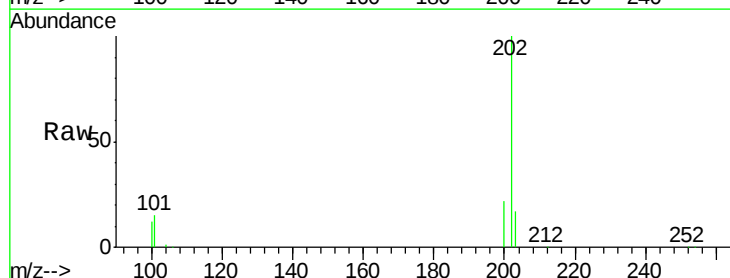
Tgt Ion:202 Resp: 28782

Ion Ratio Lower Upper

202 100

101 15.2 12.2 18.2

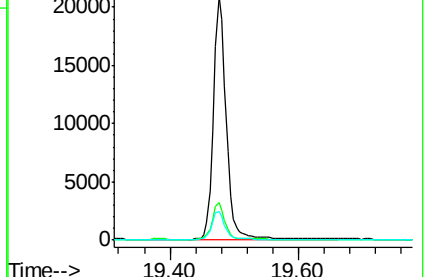
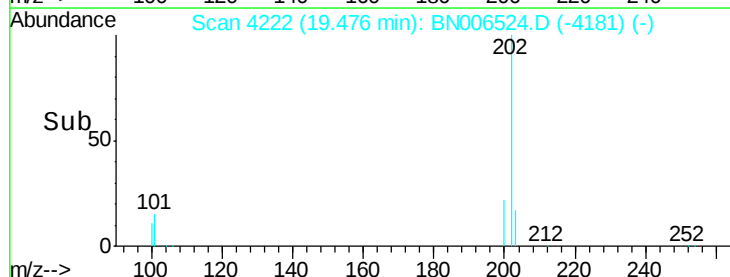
100 11.6 9.8 14.6

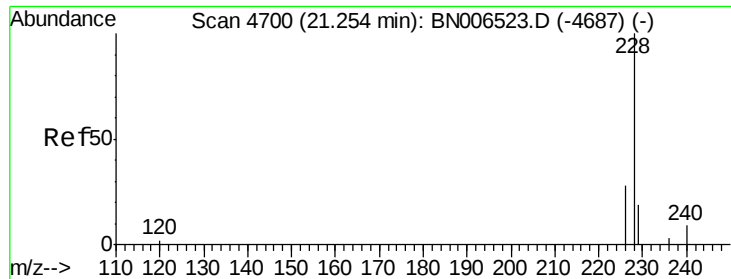


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.385 ng/ul

RT: 21.25 min Scan# 4699

Delta R.T. -0.00 min

Lab File: BN006524.D

Acq: 24 Jun 2019 10:30

Instrument :

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ClientSampled :

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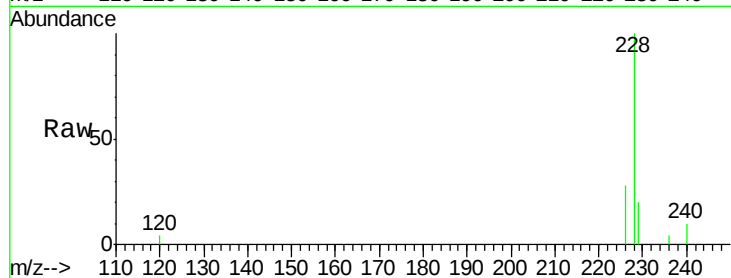
Tgt Ion:228 Resp: 28130

Ion Ratio Lower Upper

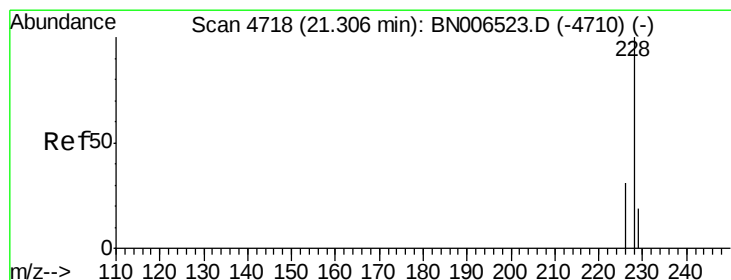
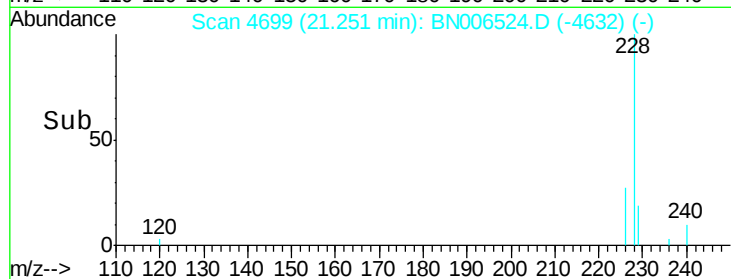
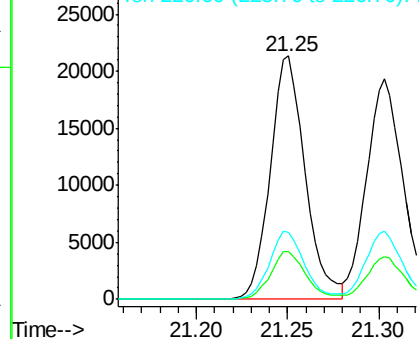
228 100

229 19.6 16.5 24.7

226 27.7 22.8 34.2



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#19

Chrysene

Concen: 0.416 ng/ul

RT: 21.30 min Scan# 4717

Delta R.T. -0.00 min

Lab File: BN006524.D

Acq: 24 Jun 2019 10:30

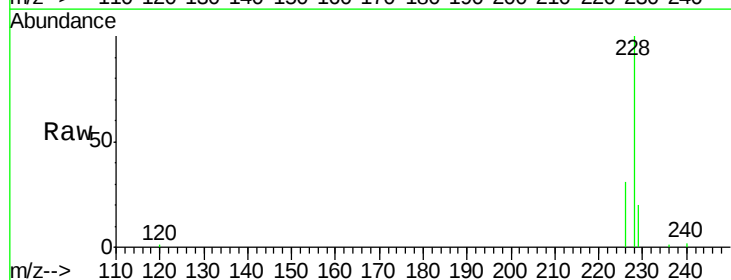
Tgt Ion:228 Resp: 28565

Ion Ratio Lower Upper

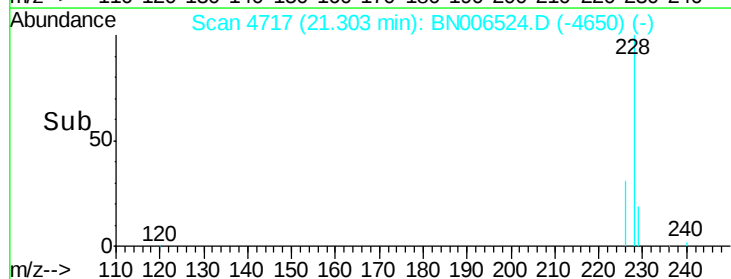
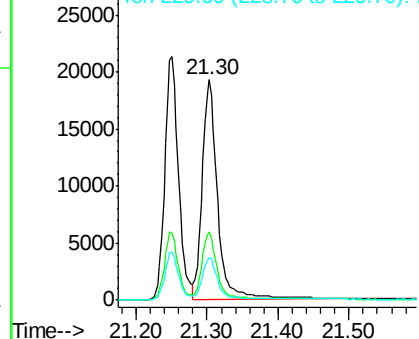
228 100

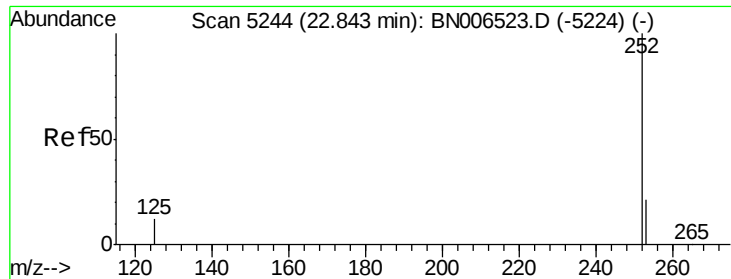
226 31.2 25.0 37.6

229 19.6 16.3 24.5



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





#21

Benzo(b)fluoranthene

Concen: 0.496 ng/u1

RT: 22.84 min Scan# 5242

Delta R.T. -0.00 min

Lab File: BN006524.D

Acq: 24 Jun 2019 10:30

Instrument :

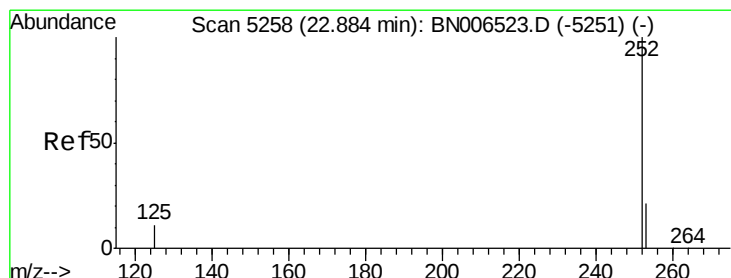
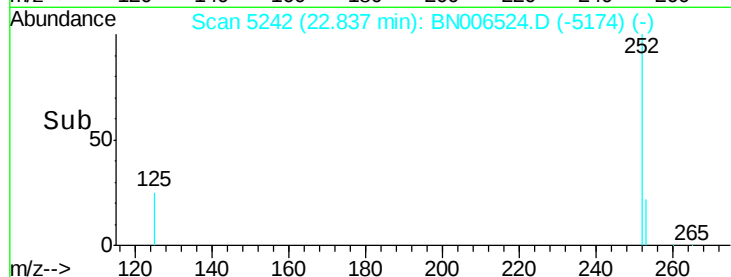
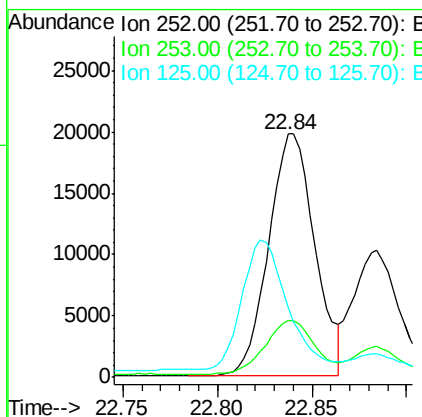
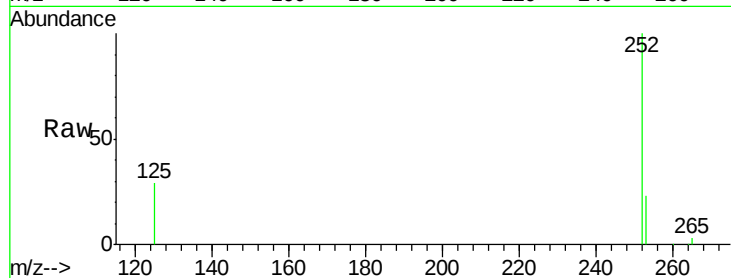
BNA_N

ClientSampleId :

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Tgt Ion:252 Resp: 33259

Ion	Ratio	Lower	Upper
252	100		
253	23.0	0.0	51.4
125	28.5	0.0	41.0



#22

Benzo(k)fluoranthene

Concen: 0.276 ng/u1

RT: 22.88 min Scan# 5258

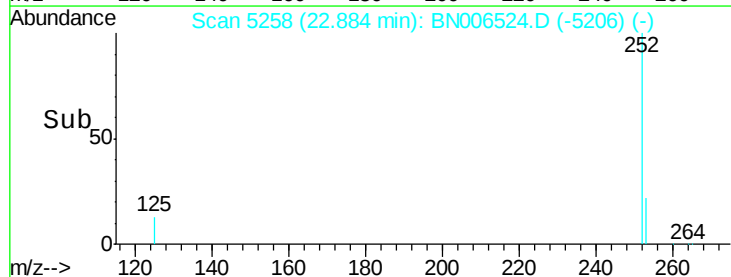
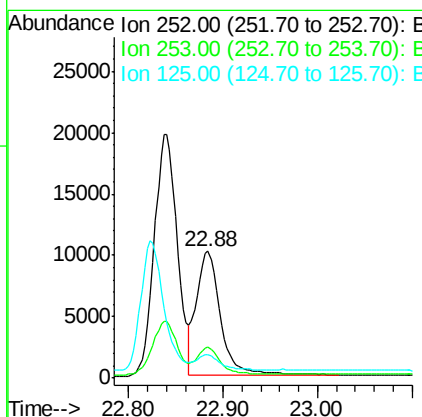
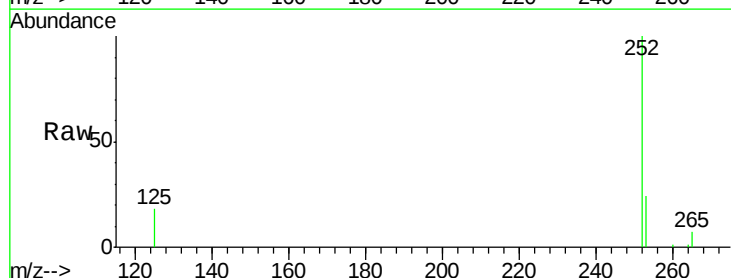
Delta R.T. 0.00 min

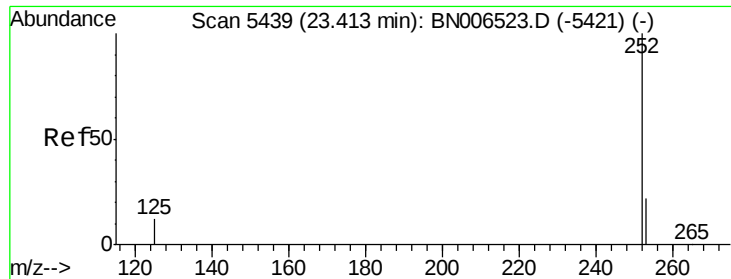
Lab File: BN006524.D

Acq: 24 Jun 2019 10:30

Tgt Ion:252 Resp: 18051

Ion	Ratio	Lower	Upper
252	100		
253	24.2	20.3	30.5
125	18.2	14.3	21.5





#23

Benzo(a)pyrene

Concen: 0.381 ng/ul

RT: 23.41 min Scan# 5438

Delta R.T. -0.00 min

Lab File: BN006524.D

Acq: 24 Jun 2019 10:30

Instrument :

BNA_N

ClientSampleId :

A41T2

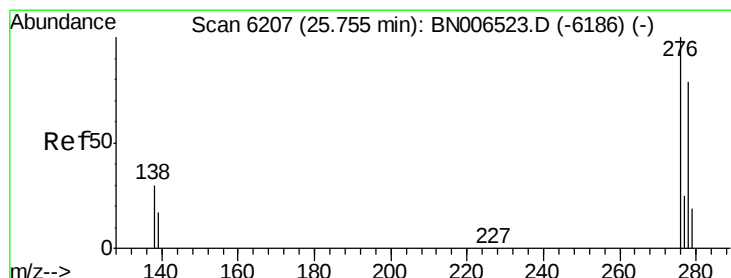
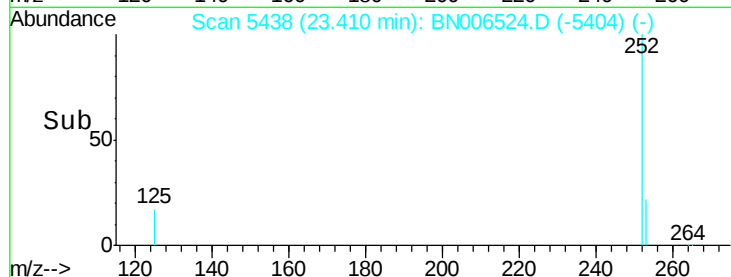
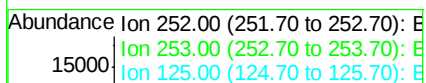
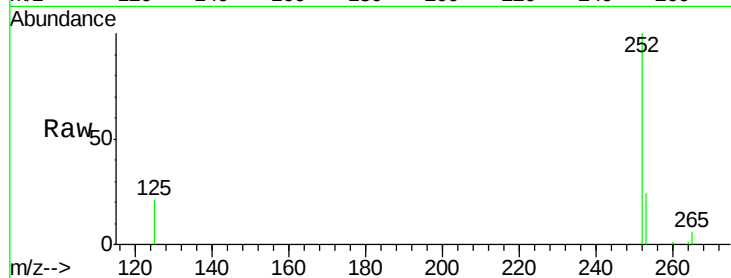
Tgt Ion:252 Resp: 23796

Ion Ratio Lower Upper

252 100

253 24.0 21.1 31.7

125 21.4 20.3 30.5



#25

Dibenzo(a,h)anthracene

Concen: 0.605 ng/ul

RT: 25.75 min Scan# 6206

Delta R.T. -0.00 min

Lab File: BN006524.D

Acq: 24 Jun 2019 10:30

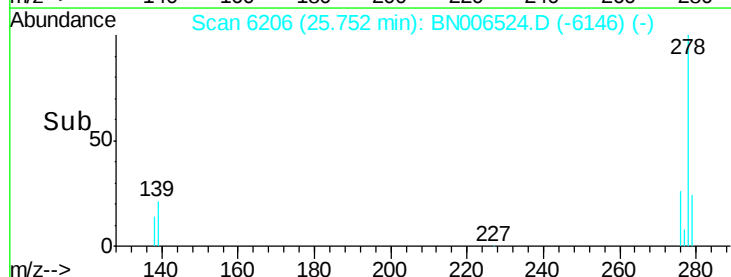
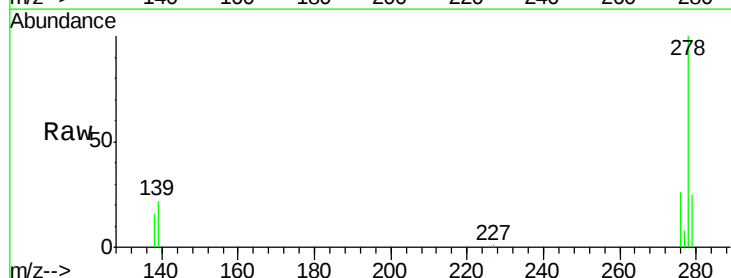
Tgt Ion:278 Resp: 32679

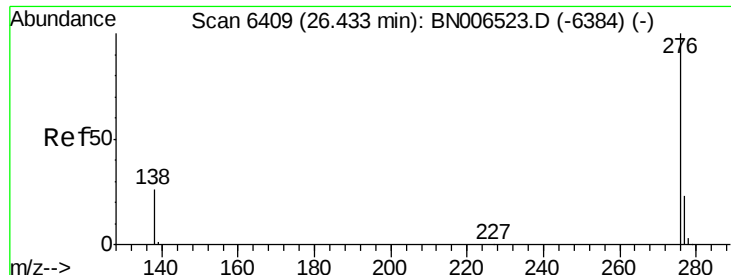
Ion Ratio Lower Upper

278 100

139 22.4 21.2 31.8

279 24.5 22.6 33.8





#26

Benzo(g,h,i)perylene

Concen: 0.252 ng/ul

RT: 26.43 min Scan# 6409

Delta R.T. 0.00 min

Lab File: BN006524.D

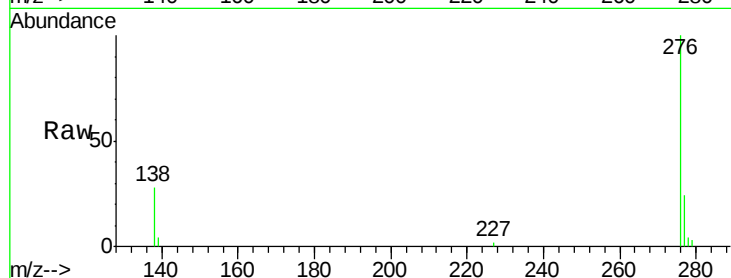
Acq: 24 Jun 2019 10:30

Instrument :

BNA_N

ClientSampleId :

A41T2



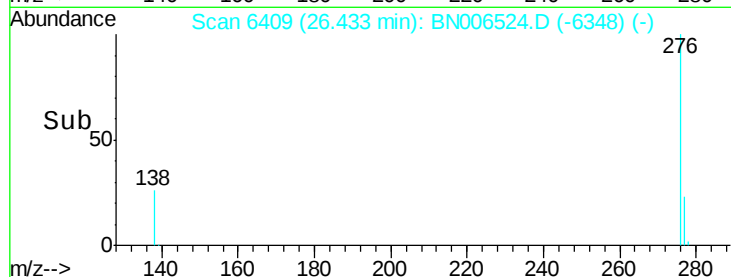
Tgt Ion: 276 Resp: 14285

Ion Ratio Lower Upper

276 100

138 28.3 24.2 36.4

277 24.2 21.5 32.3



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

