

Data File : BN003402.D
Acq On : 02 Nov 2018 14:15
Operator : MJ/SJ
Sample : J5704-25MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A40K3MS

Quant Time: Nov 02 23:17:16 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN110118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 02 23:13:48 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	10673	0.40	ng/ul	0.00
2) Naphthalene-d8	10.65	136	43733	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	23572	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.23	188	51948	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	37051	0.40	ng/ul	0.00
20) Perylene-d12	23.73	264	37423	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.24	152	15744	0.22	ng/ul	0.00
14) Fluoranthene-d10	19.26	212	32496	0.22	ng/ul	0.00

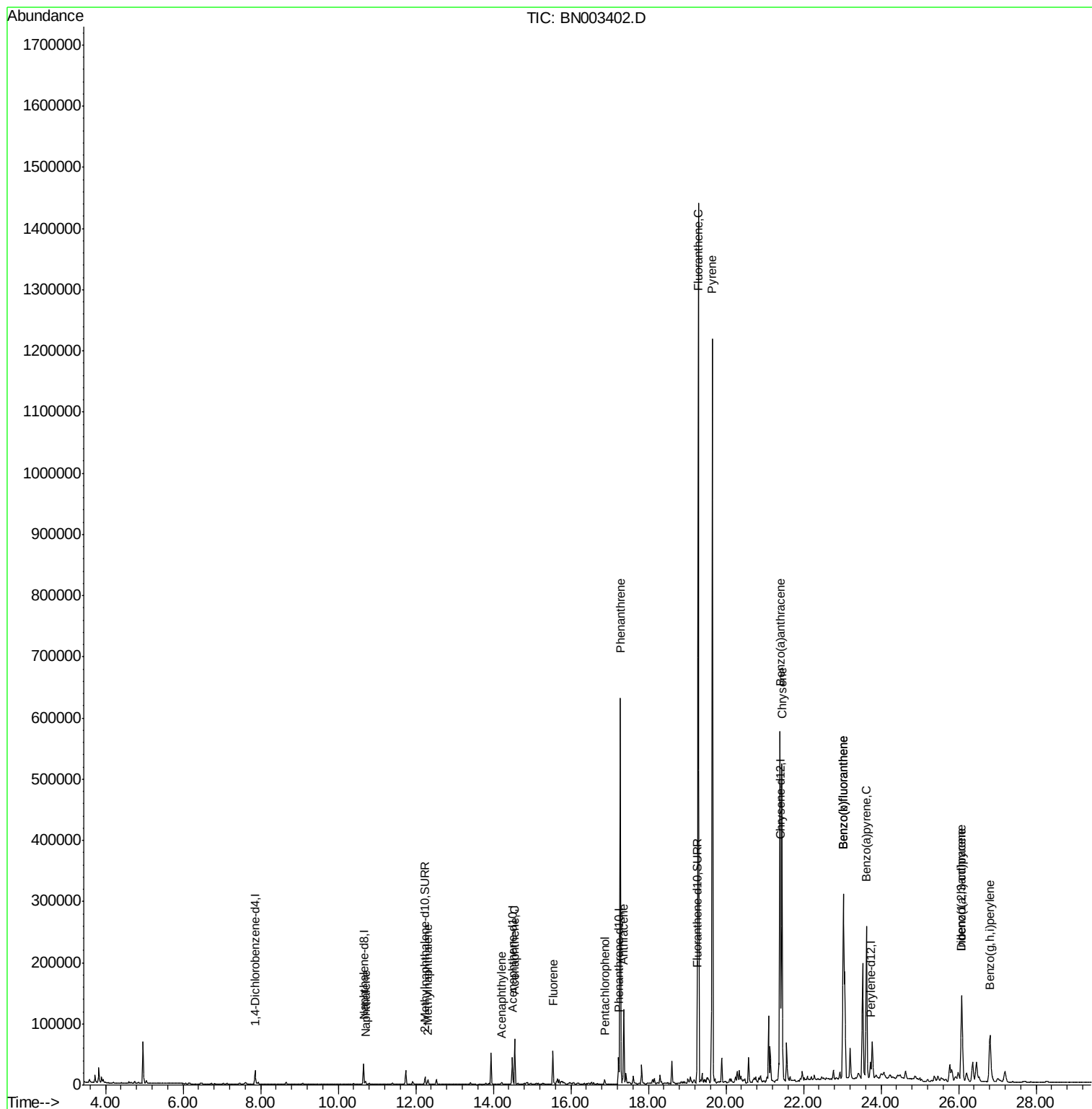
Target Compounds				Qvalue		
3) Naphthalene	10.70	128	5861	0.048	ng/ul#	95
5) 2-Methylnaphthalene	12.31	142	5597	0.063	ng/ul	98
7) Acenaphthylene	14.21	152	4883	0.048	ng/ul#	86
8) Acenaphthene	14.55	153	42332	0.463	ng/ul	99
9) Fluorene	15.54	166	32930	0.306	ng/ul	99
11) Pentachlorophenol	16.87	266	5131	0.493	ng/ul	99
12) Phenanthrene	17.27	178	654498	3.842	ng/ul	99
13) Anthracene	17.36	178	124390	0.896	ng/ul	100
15) Fluoranthene	19.29	202	1213844	6.339	ng/ul	99
17) Pyrene	19.65	202	1049268	7.785	ng/ul	100
18) Benzo(a)anthracene	21.40	228	483164	4.159	ng/ul	98
19) Chrysene	21.45	228	508117	3.849	ng/ul	97
21) Benzo(b)fluoranthene	23.03	252	712725	4.420	ng/ul	100
22) Benzo(k)fluoranthene	23.03	252	712648	4.563	ng/ul	100
23) Benzo(a)pyrene	23.62	252	358741	2.664	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	26.08	276	220127	1.527	ng/ul#	94
25) Dibenzo(a,h)anthracene	26.09	278	66468	0.566	ng/ul#	88
26) Benzo(g,h,i)perylene	26.81	276	165326	1.337	ng/ul	98

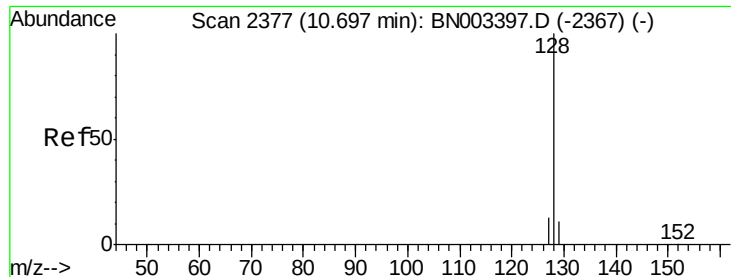
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.048 ng/ul

RT: 10.70 min Scan# 2378

Delta R.T. 0.01 min

Lab File: BN003402.D

Acq: 02 Nov 2018 14:15

Instrument :

BNA_N

ClientSampleId :

A40K3MS

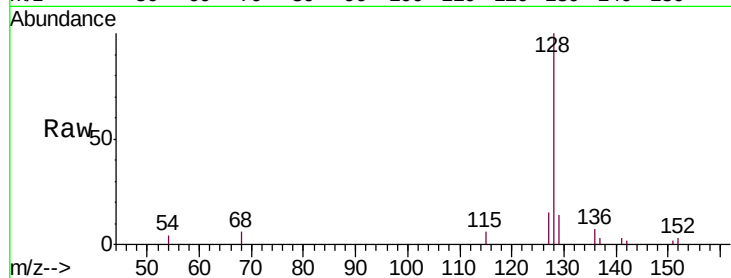
Tgt Ion:128 Resp: 5861

Ion Ratio Lower Upper

128 100

129 13.9 9.0 13.6#

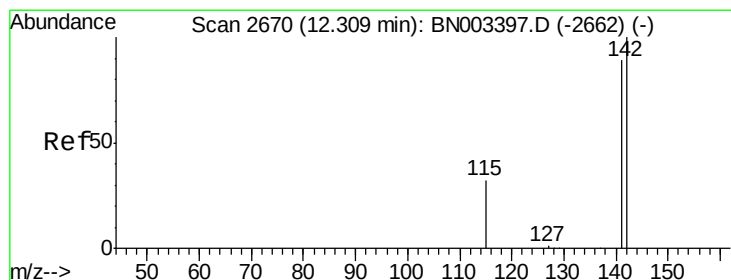
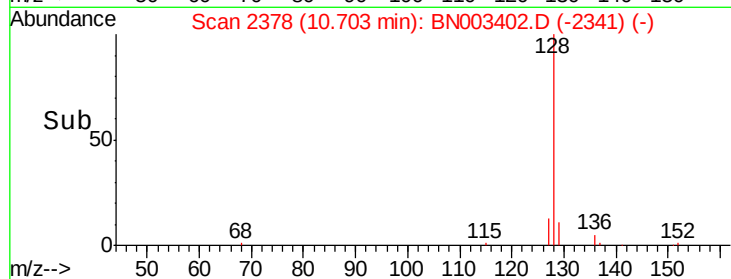
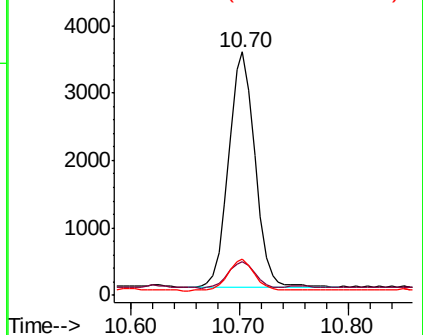
127 14.8 10.5 15.7



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: 0.063 ng/ul

RT: 12.31 min Scan# 2671

Delta R.T. 0.01 min

Lab File: BN003402.D

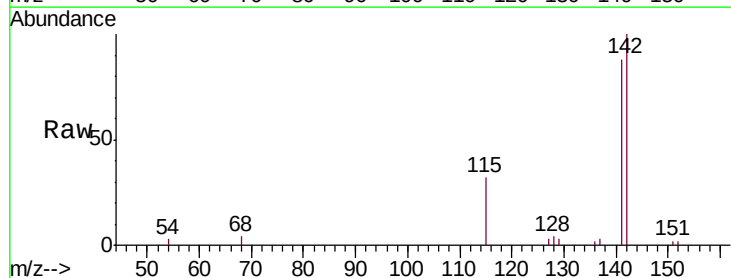
Acq: 02 Nov 2018 14:15

Tgt Ion:142 Resp: 5597

Ion Ratio Lower Upper

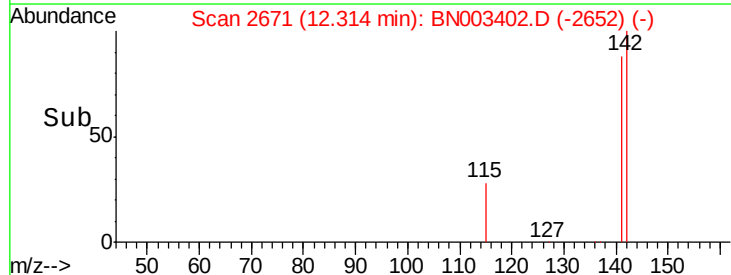
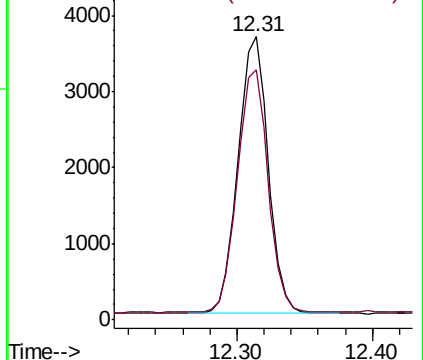
142 100

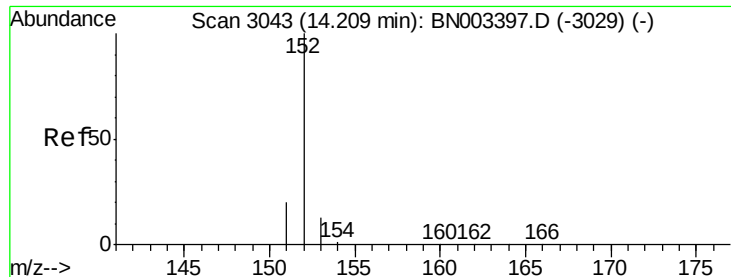
141 90.7 71.2 106.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.048 ng/ul

RT: 14.21 min Scan# 3044

Delta R.T. 0.00 min

Lab File: BN003402.D

Acq: 02 Nov 2018 14:15

Instrument :

BNA_N

ClientSampleId :

A40K3MS

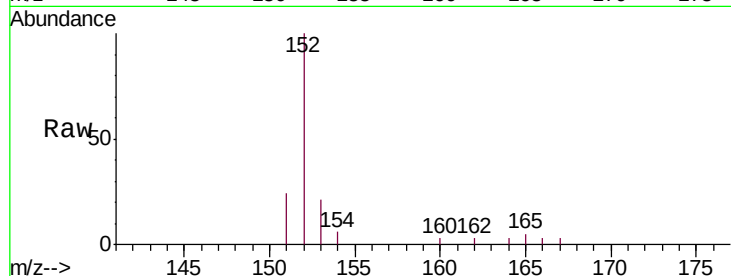
Tgt Ion:152 Resp: 4883

Ion Ratio Lower Upper

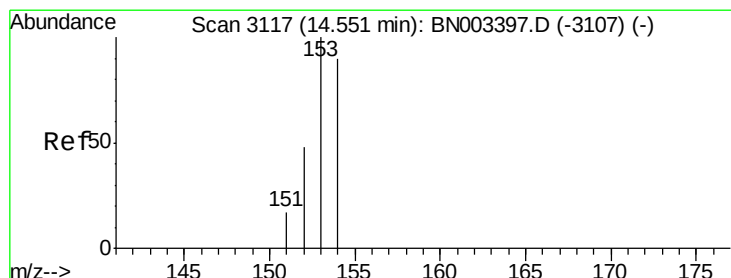
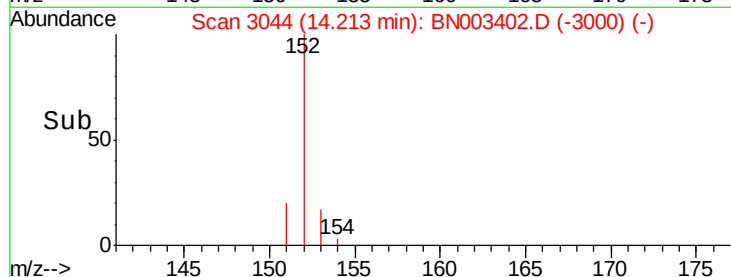
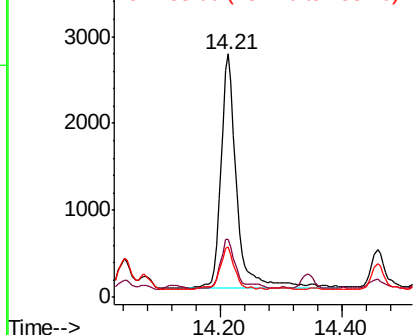
152 100

151 24.1 15.6 23.4#

153 20.6 10.4 15.6#



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: 0.463 ng/ul

RT: 14.55 min Scan# 3117

Delta R.T. 0.00 min

Lab File: BN003402.D

Acq: 02 Nov 2018 14:15

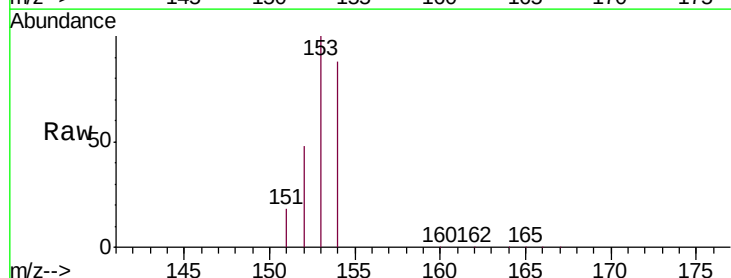
Tgt Ion:153 Resp: 42332

Ion Ratio Lower Upper

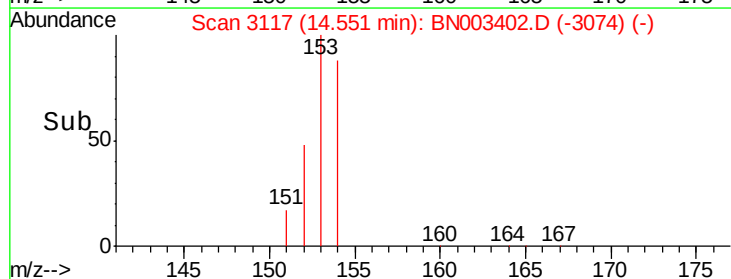
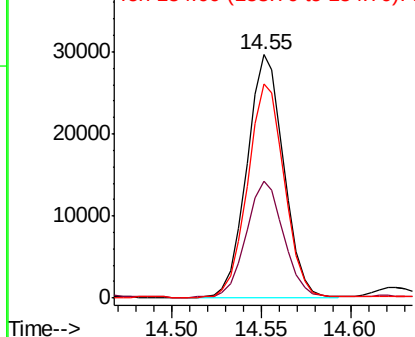
153 100

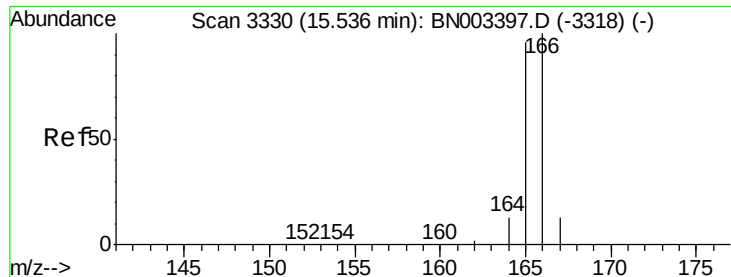
152 47.8 39.5 59.3

154 88.0 70.3 105.5



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

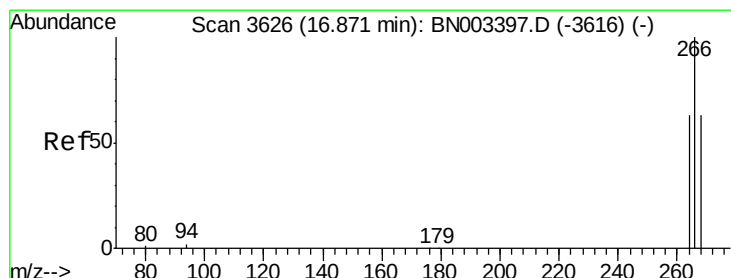
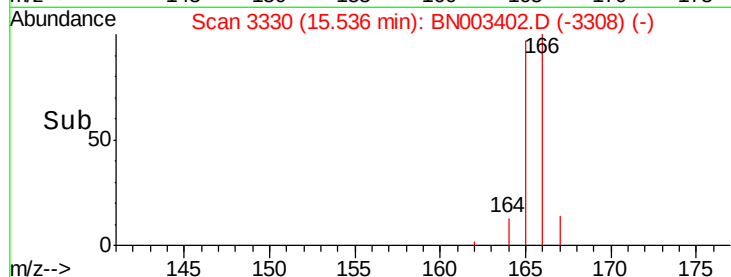
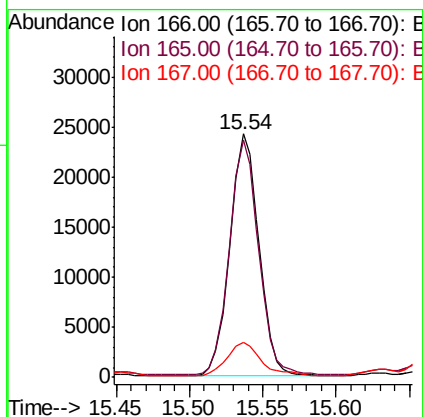
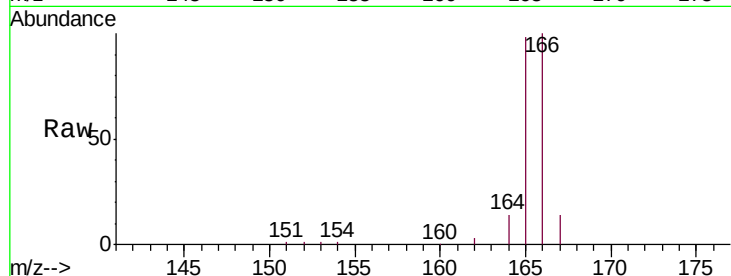




#9
Fluorene
 Concen: 0.306 ng/ul
 RT: 15.54 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: BN003402.D
 Acq: 02 Nov 2018 14:15

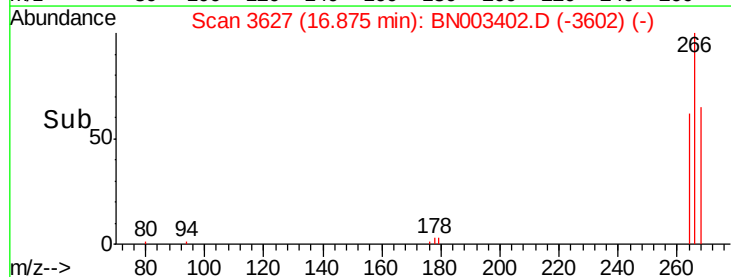
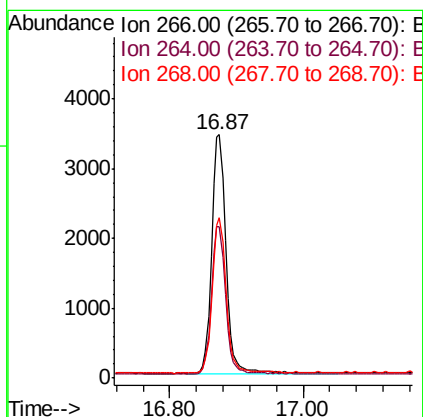
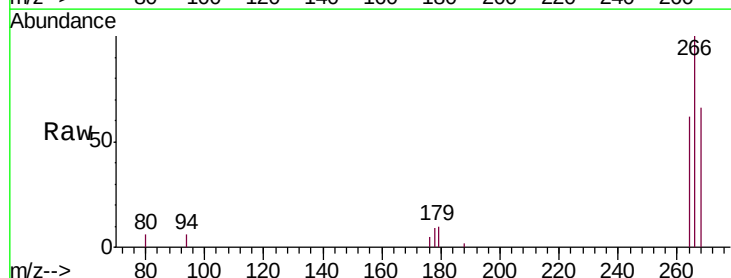
Instrument :
 BNA_N
 ClientSampleId :
 A40K3MS

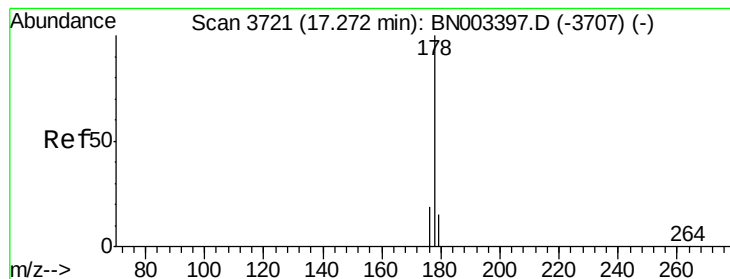
Tgt Ion:166 Resp: 32930
 Ion Ratio Lower Upper
 166 100
 165 97.6 78.3 117.5
 167 14.4 10.8 16.2



#11
Pentachlorophenol
 Concen: 0.493 ng/ul
 RT: 16.87 min Scan# 3627
 Delta R.T. 0.00 min
 Lab File: BN003402.D
 Acq: 02 Nov 2018 14:15

Tgt Ion:266 Resp: 5131
 Ion Ratio Lower Upper
 266 100
 264 61.9 50.2 75.4
 268 64.0 50.7 76.1





#12

Phenanthrene

Concen: 3.842 ng/ul

RT: 17.27 min Scan# 3721

Delta R.T. 0.00 min

Lab File: BN003402.D

Acq: 02 Nov 2018 14:15

Instrument :

BNA_N

ClientSampleId :

A40K3MS

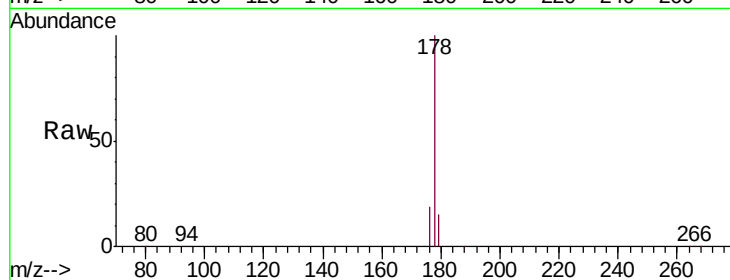
Tgt Ion:178 Resp: 654498

Ion Ratio Lower Upper

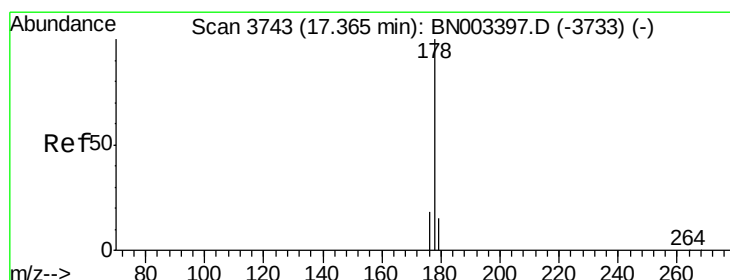
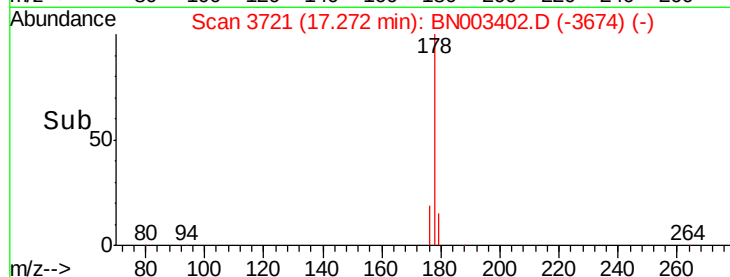
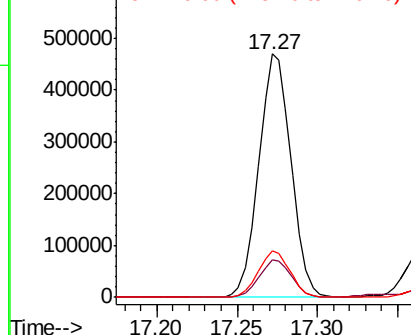
178 100

179 15.4 12.4 18.6

176 19.1 15.0 22.4



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: 0.896 ng/ul

RT: 17.36 min Scan# 3743

Delta R.T. 0.00 min

Lab File: BN003402.D

Acq: 02 Nov 2018 14:15

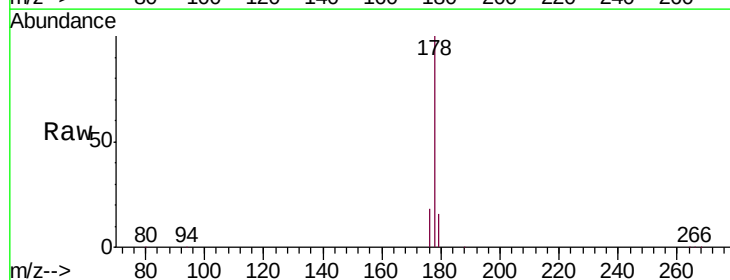
Tgt Ion:178 Resp: 124390

Ion Ratio Lower Upper

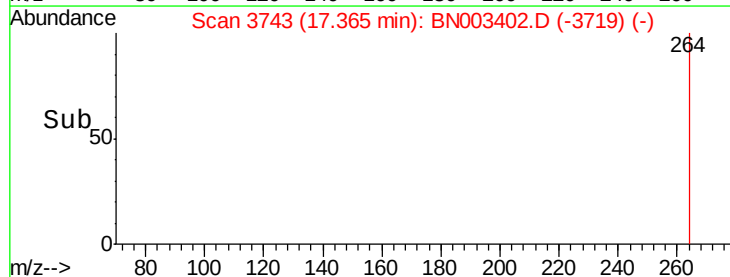
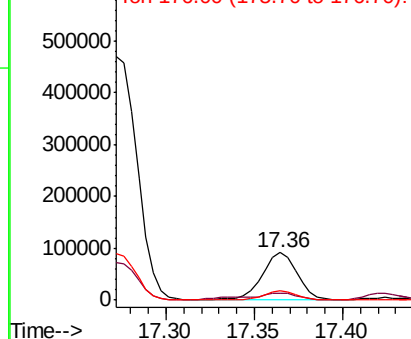
178 100

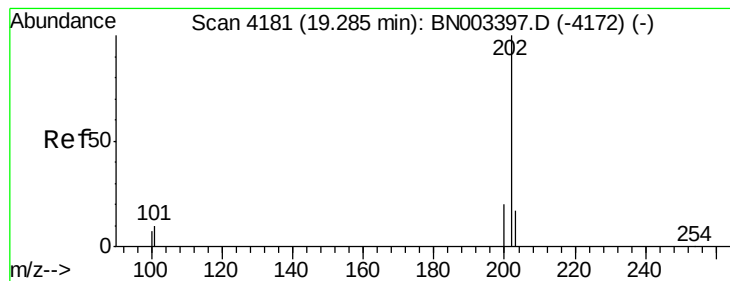
179 15.6 12.2 18.2

176 18.3 14.7 22.1



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: 6.339 ng/ul

RT: 19.29 min Scan# 4181

Delta R.T. 0.00 min

Lab File: BN003402.D

Acq: 02 Nov 2018 14:15

Instrument :

BNA_N

ClientSampleId :

A40K3MS

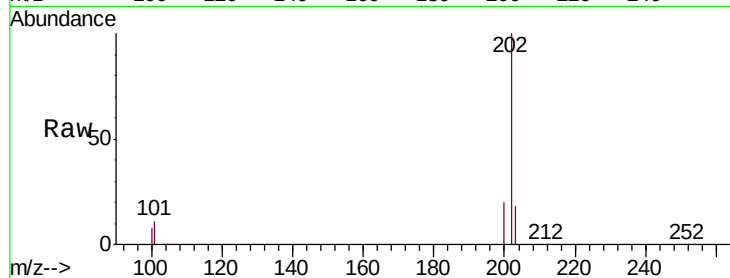
Tgt Ion:202 Resp: 1213844

Ion Ratio Lower Upper

202 100

101 11.1 0.0 30.7

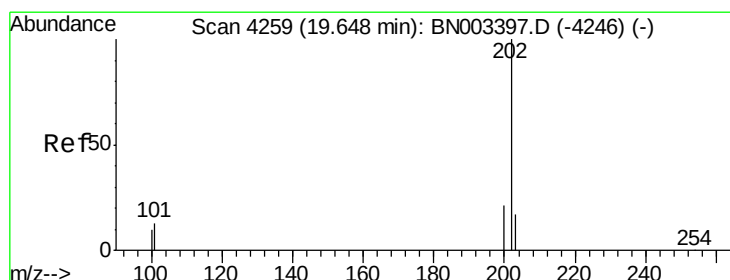
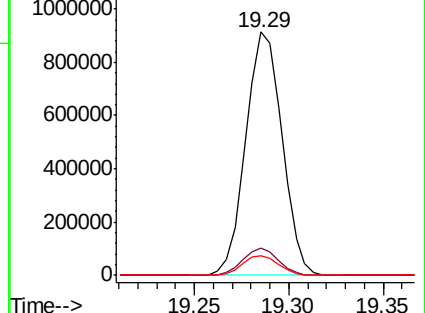
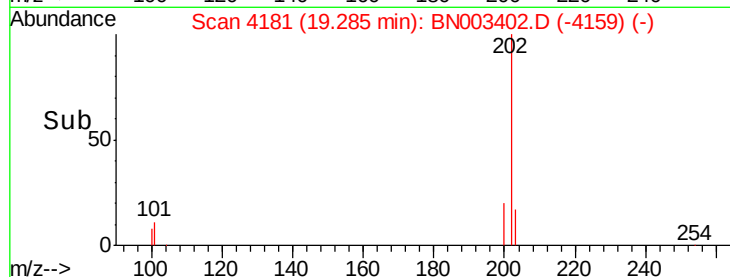
100 8.3 0.0 28.0



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: 7.785 ng/ul

RT: 19.65 min Scan# 4260

Delta R.T. 0.00 min

Lab File: BN003402.D

Acq: 02 Nov 2018 14:15

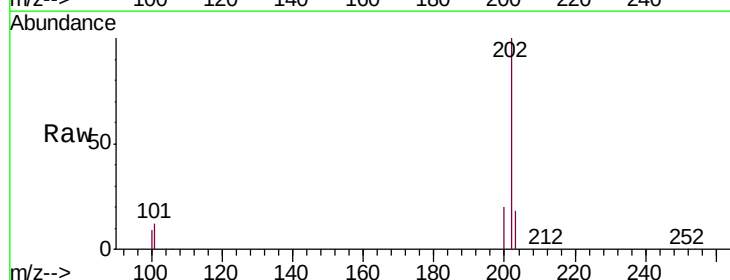
Tgt Ion:202 Resp: 1049268

Ion Ratio Lower Upper

202 100

101 11.9 9.5 14.3

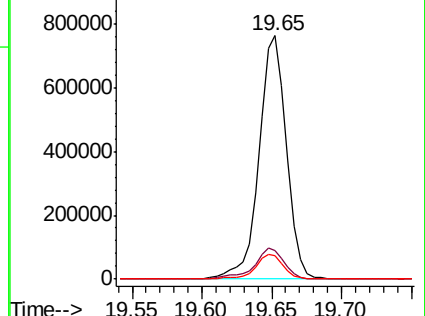
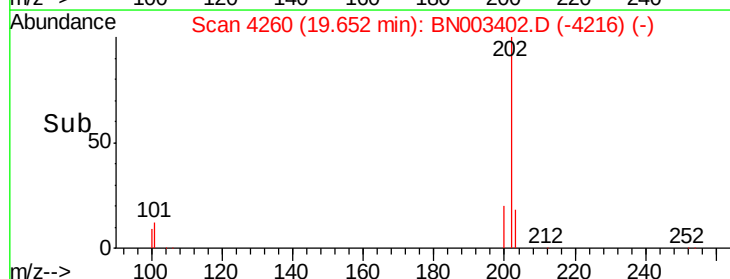
100 9.5 7.5 11.3

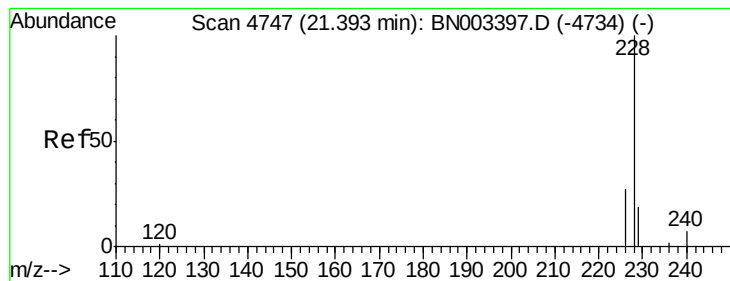


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 4.159 ng/ul

RT: 21.40 min Scan# 4748

Delta R.T. 0.00 min

Lab File: BN003402.D

Acq: 02 Nov 2018 14:15

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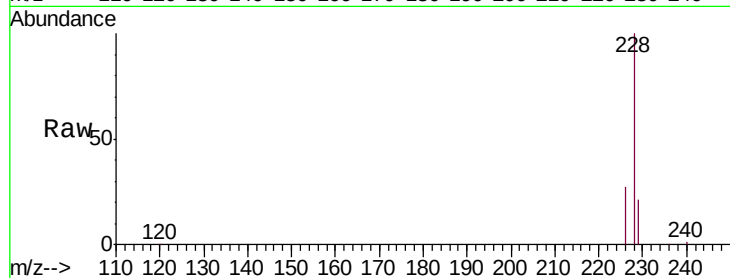
Tgt Ion:228 Resp: 483164

Ion Ratio Lower Upper

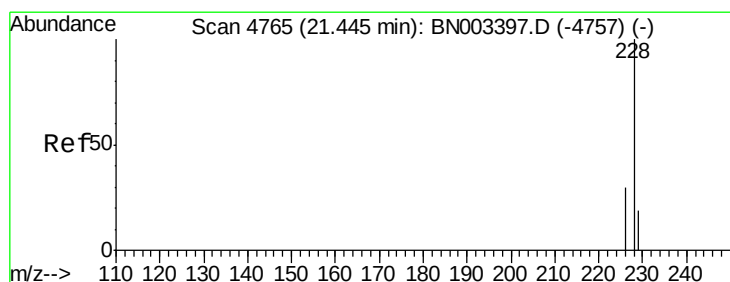
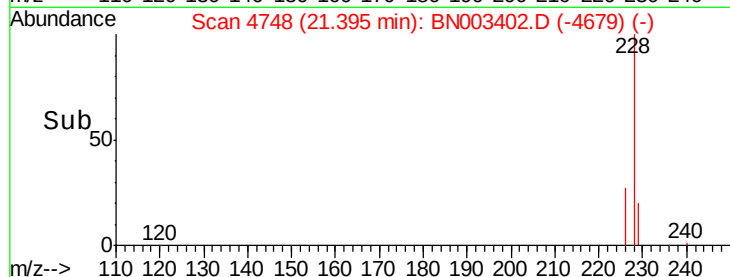
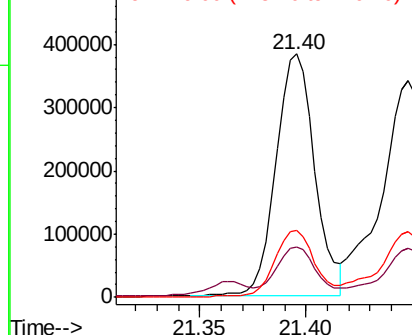
228 100

229 20.8 15.5 23.3

226 27.5 21.5 32.3



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: 3.849 ng/ul

RT: 21.45 min Scan# 4766

Delta R.T. 0.00 min

Lab File: BN003402.D

Acq: 02 Nov 2018 14:15

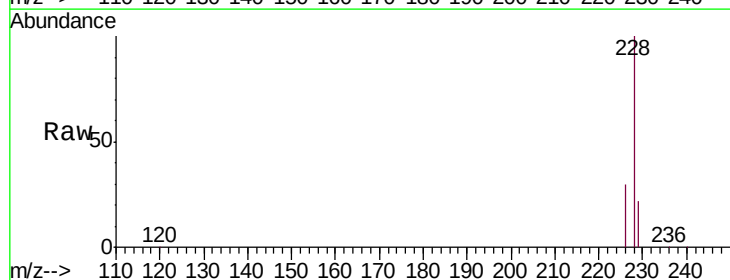
Tgt Ion:228 Resp: 508117

Ion Ratio Lower Upper

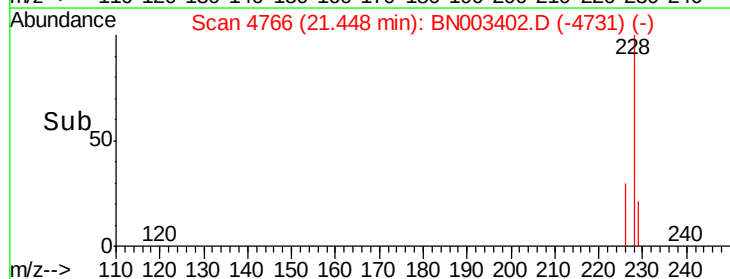
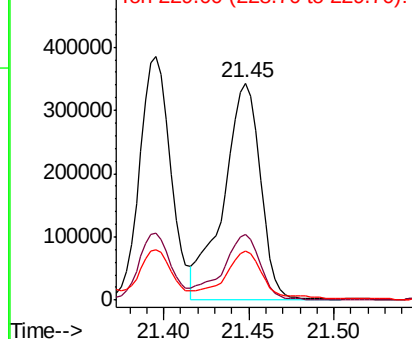
228 100

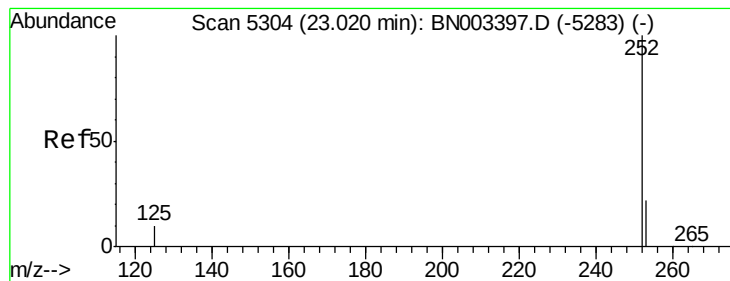
226 30.1 23.8 35.6

229 22.4 15.5 23.3



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: 4.420 ng/ul

RT: 23.03 min Scan# 5306

Delta R.T. 0.01 min

Lab File: BN003402.D

Acq: 02 Nov 2018 14:15

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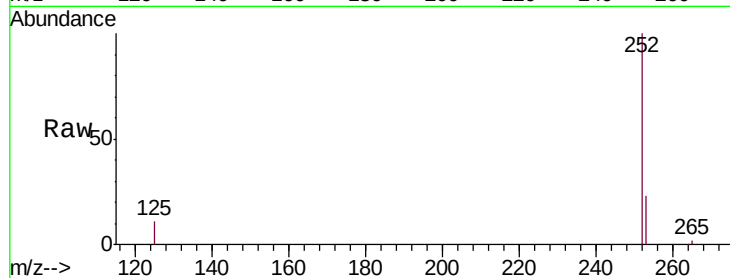
Tgt Ion:252 Resp: 712725

Ion Ratio Lower Upper

252 100

253 22.9 0.0 45.6

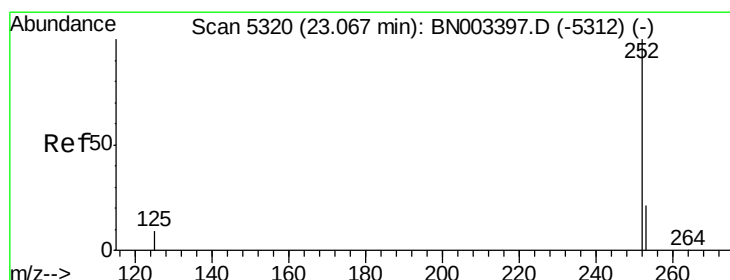
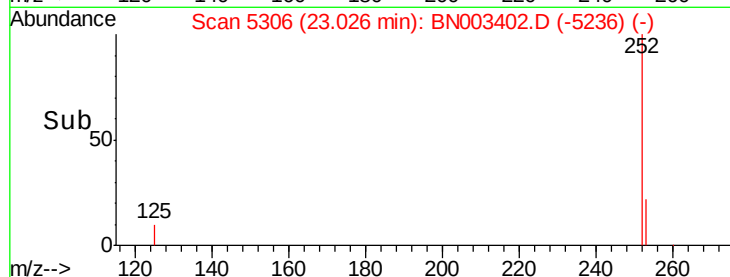
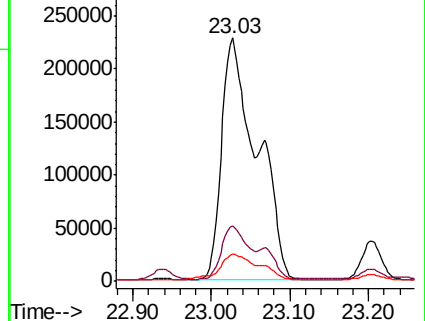
125 11.2 0.0 21.8



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



#22

Benzo(k)fluoranthene

Concen: 4.563 ng/ul

RT: 23.03 min Scan# 5306

Delta R.T. -0.04 min

Lab File: BN003402.D

Acq: 02 Nov 2018 14:15

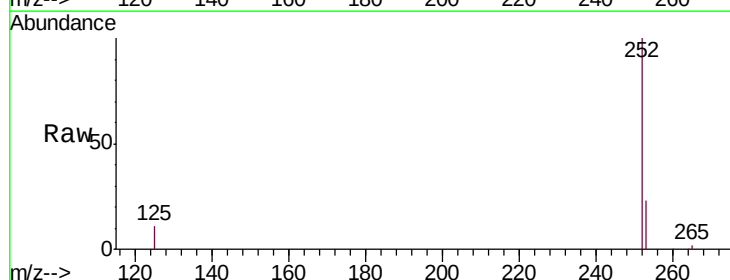
Tgt Ion:252 Resp: 712648

Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.4

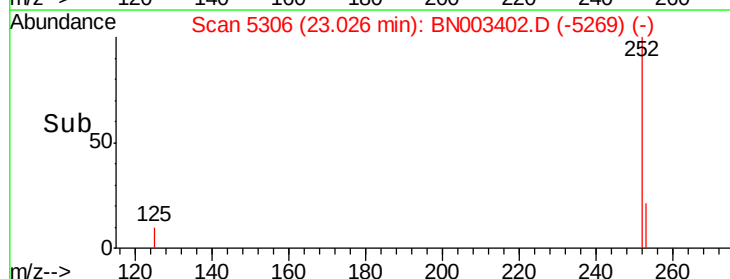
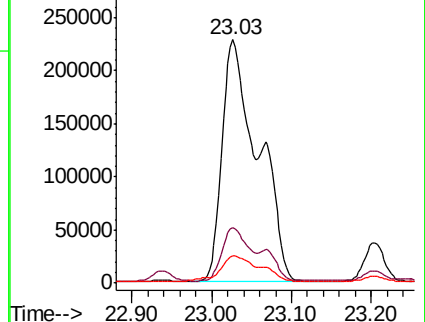
125 11.2 8.6 13.0

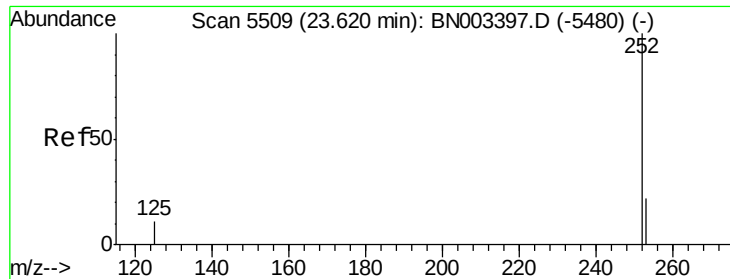


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 2.664 ng/ul

RT: 23.62 min Scan# 5510

Delta R.T. 0.00 min

Lab File: BN003402.D

Acq: 02 Nov 2018 14:15

Instrument :

BNA_N

ClientSampleId :

A40K3MS

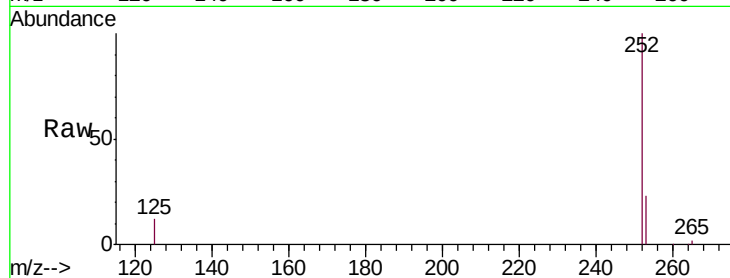
Tgt Ion: 252 Resp: 358741

Ion Ratio Lower Upper

252 100

253 23.2 18.5 27.7

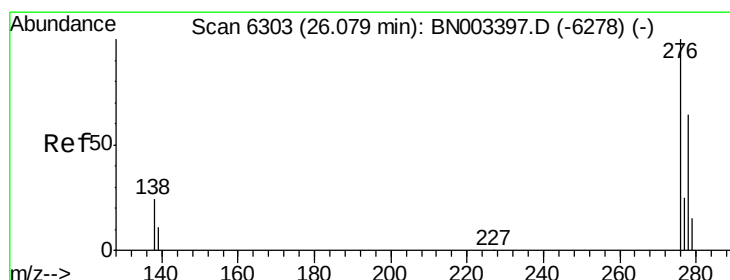
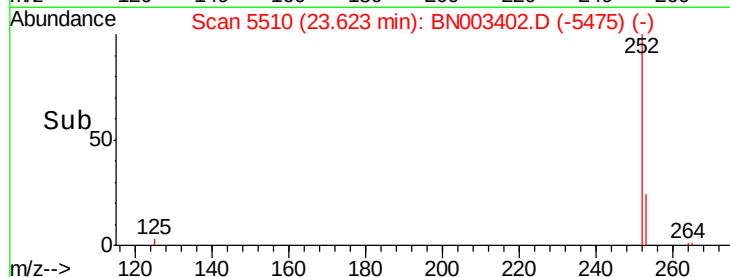
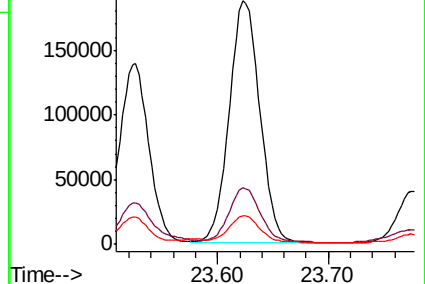
125 11.6 9.9 14.9



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 1.527 ng/ul

RT: 26.08 min Scan# 6304

Delta R.T. 0.00 min

Lab File: BN003402.D

Acq: 02 Nov 2018 14:15

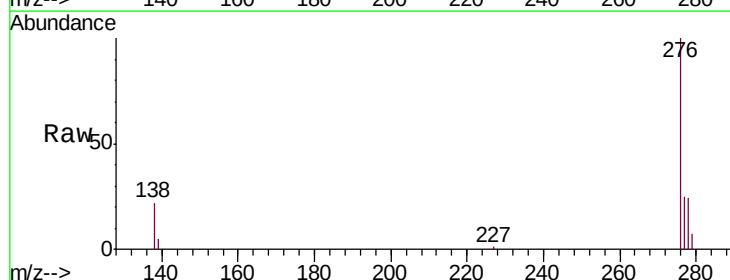
Tgt Ion: 276 Resp: 220127

Ion Ratio Lower Upper

276 100

138 21.6 19.8 29.8

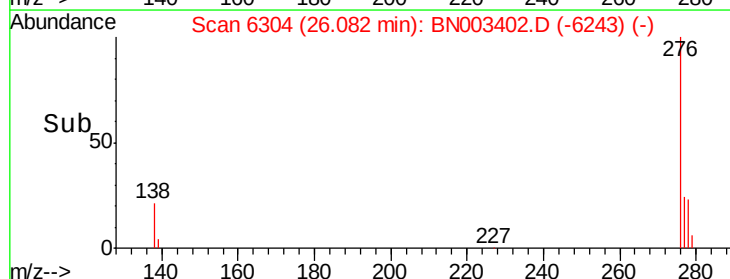
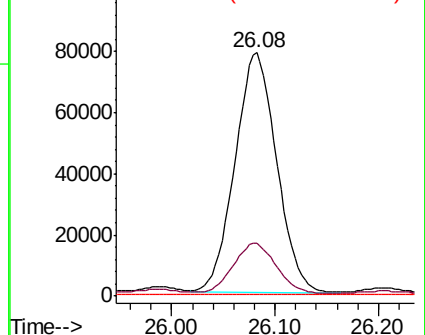
227 0.0 0.2 0.2#

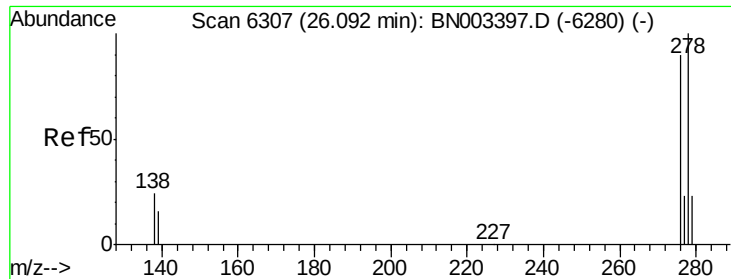


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

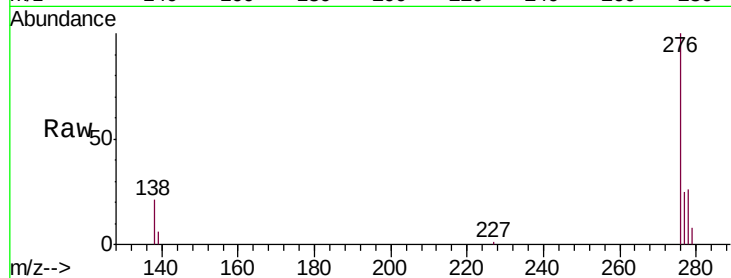




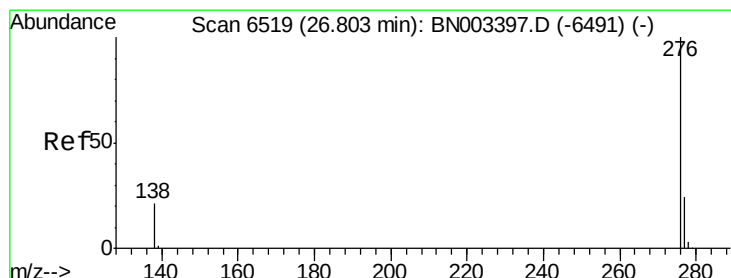
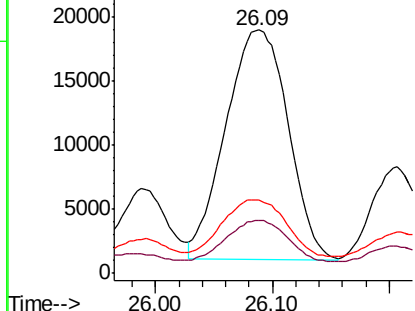
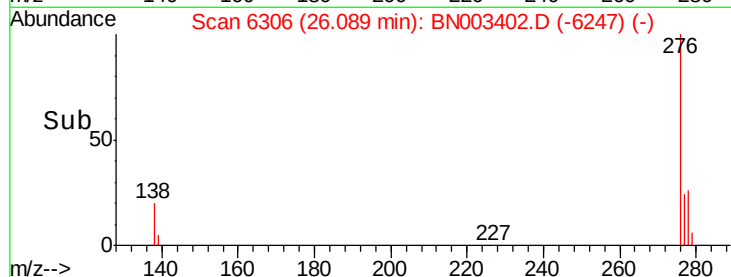
#25
Dibenzo(a,h)anthracene
Concen: 0.566 ng/ul
RT: 26.09 min Scan# 6306
Delta R.T. -0.00 min
Lab File: BN003402.D
Acq: 02 Nov 2018 14:15

Instrument :
BNA_N
ClientSampleId :
A40K3MS

Tgt Ion: 278 Resp: 66468
Ion Ratio Lower Upper
278 100
139 22.0 13.1 19.7#
279 30.0 19.5 29.3#

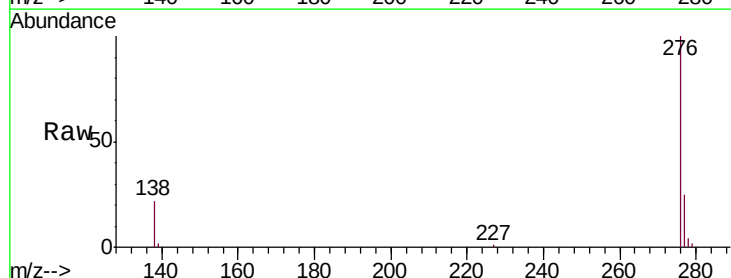


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 1.337 ng/ul
RT: 26.81 min Scan# 6522
Delta R.T. 0.01 min
Lab File: BN003402.D
Acq: 02 Nov 2018 14:15

Tgt Ion: 276 Resp: 165326
Ion Ratio Lower Upper
276 100
138 22.0 17.0 25.6
277 25.1 19.2 28.8



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

