

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031518\
 Data File : BN000417.D
 Acq On : 15 Mar 2018 15:58
 Operator : JU/SJ
 Sample : J1864-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 16 05:45:42 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 16 05:42:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	259824	20.00	ng/ul	0.00
2) Naphthalene-d8	11.30	136	1212820	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.07	164	658404	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.79	188	1371145	20.00	ng/ul	0.00
17) Chrysene-d12	21.91	240	1036510	20.00	ng/ul	0.00
22) Perylene-d12	24.41	264	948250	20.00	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	14.77	160	1041593	15.94	ng/ul	0.00
10) Fluorene-d10	16.05	176	673697	15.22	ng/ul	0.00
14) Anthracene-d10	17.89	188	999464	15.60	ng/ul	0.00
18) Pyrene-d10	20.14	212	964312	19.02	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.24	264	684532	15.81	ng/ul	0.00

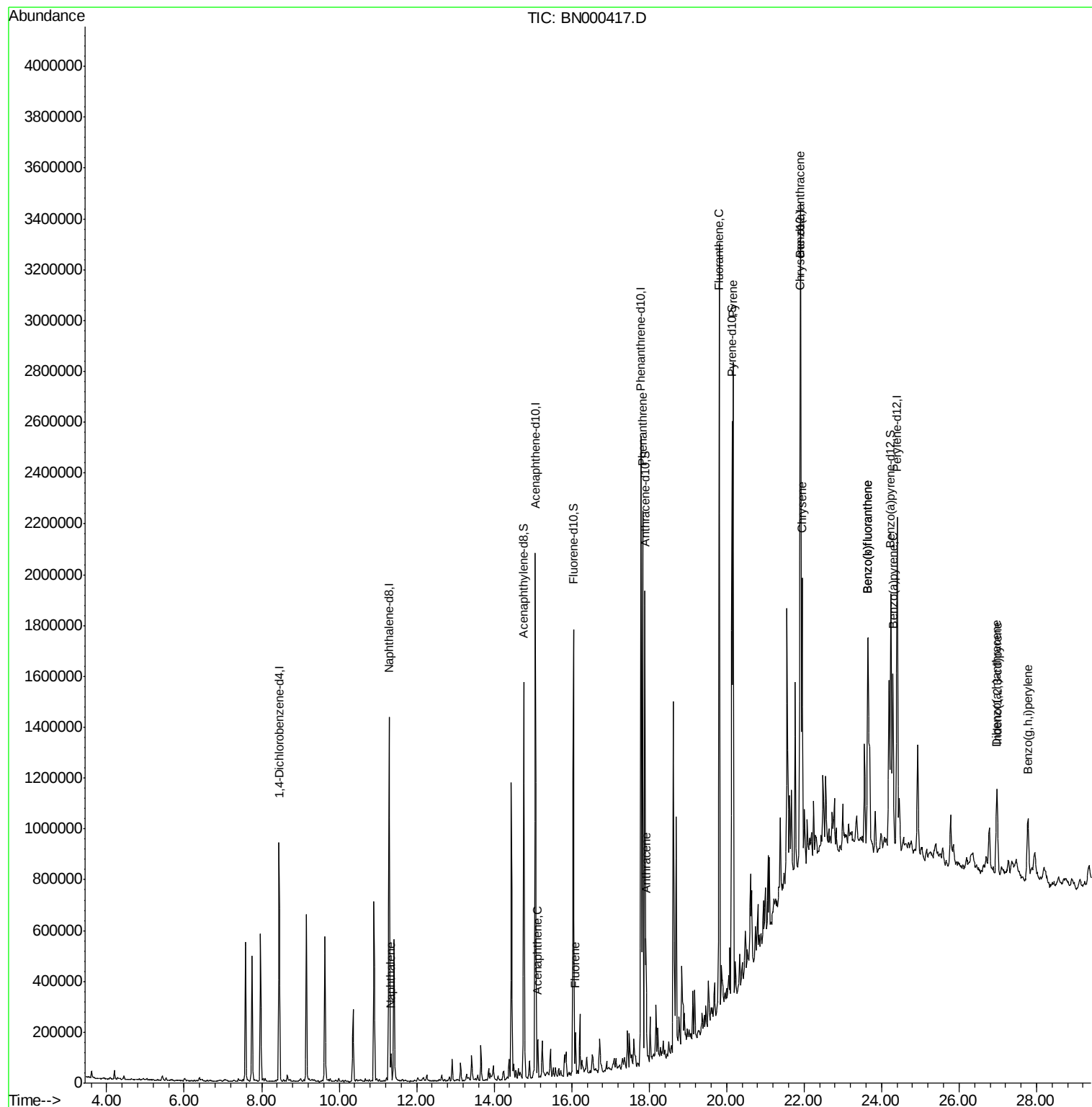
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	11.34	128	86909	1.358	ng/ul	99
9) Acenaphthene	15.13	153	57083	1.249	ng/ul	99
11) Fluorene	16.10	166	70915	1.407	ng/ul	94
13) Phenanthrene	17.83	178	1204638	15.319	ng/ul	99
15) Anthracene	17.92	178	274554	3.441	ng/ul	99
16) Fluoranthene	19.81	202	1738936	20.467	ng/ul#	93
19) Pyrene	20.17	202	1347736	20.595	ng/ul#	90
20) Benzo(a)anthracene	21.90	228	629223	9.765	ng/ul	97
21) Chrysene	21.95	228	600755	9.824	ng/ul	97
23) Benzo(b)fluoranthene	23.65	252	770215	13.621	ng/ul#	93
24) Benzo(k)fluoranthene	23.65	252	770215	14.552	ng/ul#	93
26) Benzo(a)pyrene	24.29	252	457154	8.495	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	26.98	276	307676	5.302	ng/ul#	86
28) Dibenzo(a,h)anthracene	26.97	278	83947	1.765	ng/ul#	78
29) Benzo(g,h,i)perylene	27.78	276	297035	6.131	ng/ul#	87

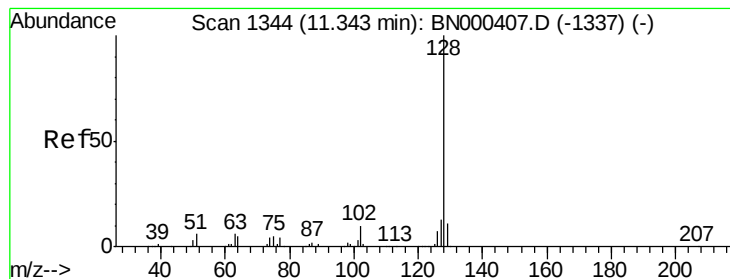
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031518\
Data File : BN000417.D
Acq On : 15 Mar 2018 15:58
Operator : JU/SJ
Sample : J1864-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampled :

Quant Time: Mar 16 05:45:42 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 16 05:42:40 2018
Response via : Initial Calibration





#3

Naphthalene

Concen: 1.358 ng/ul

RT: 11.34 min Scan# 1344

Delta R.T. 0.00 min

Lab File: BN000417.D

Acq: 15 Mar 2018 15:58

Instrument :

BNA_N

ClientSampleId :

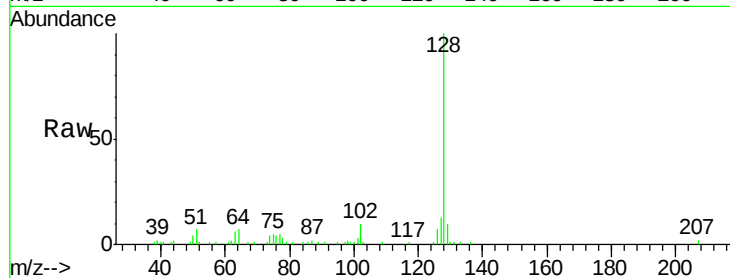
Tot Ion:128 Resp: 86909

Ion Ratio Lower Upper

128 100

129 10.3 8.7 13.1

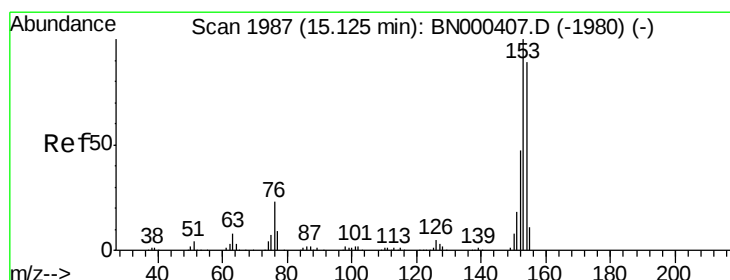
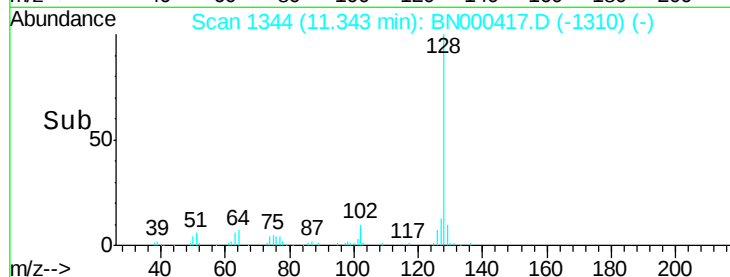
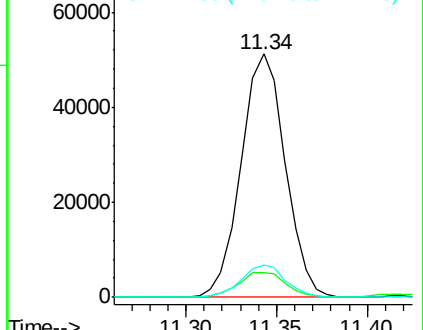
127 13.4 10.6 16.0



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



#9

Acenaphthene

Concen: 1.249 ng/ul

RT: 15.13 min Scan# 1988

Delta R.T. 0.01 min

Lab File: BN000417.D

Acq: 15 Mar 2018 15:58

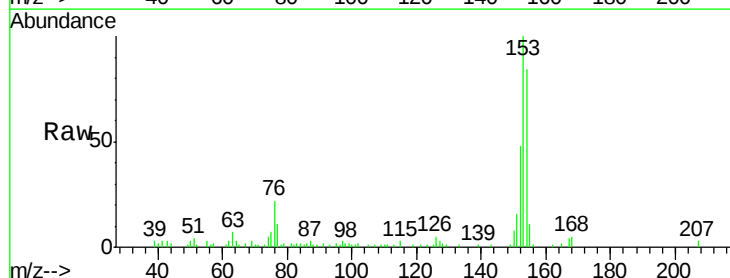
Tgt Ion:153 Resp: 57083

Ion Ratio Lower Upper

153 100

152 47.9 39.0 58.6

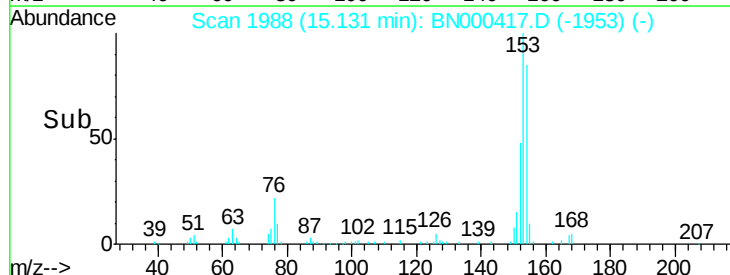
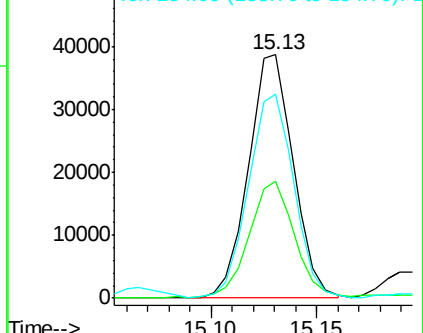
154 83.9 66.8 100.2

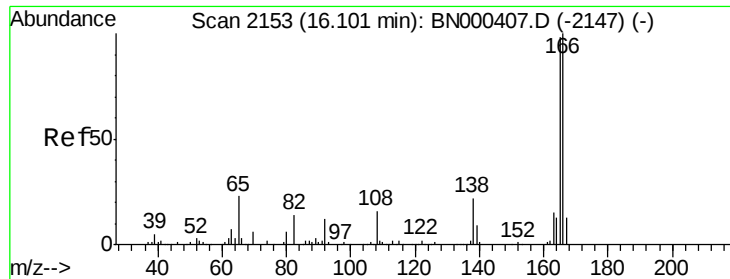


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 1.407 ng/ul

RT: 16.10 min Scan# 2153

Delta R.T. 0.00 min

Lab File: BN000417.D

Acq: 15 Mar 2018 15:58

Instrument :

BNA_N

ClientSampleId :

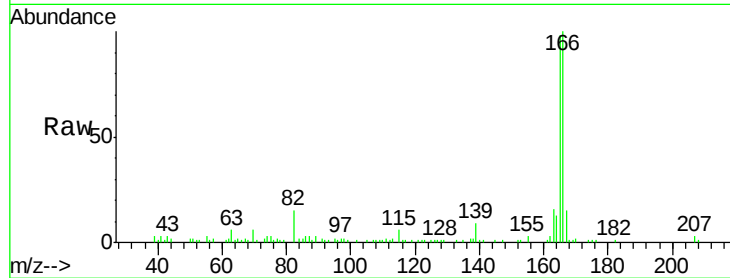
Tot Ion:166 Resp: 70915

Ion Ratio Lower Upper

166 100

165 98.1 83.8 125.8

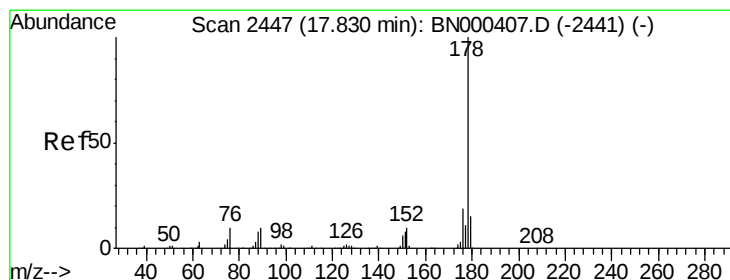
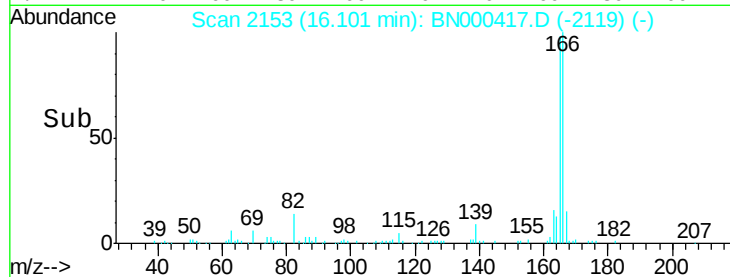
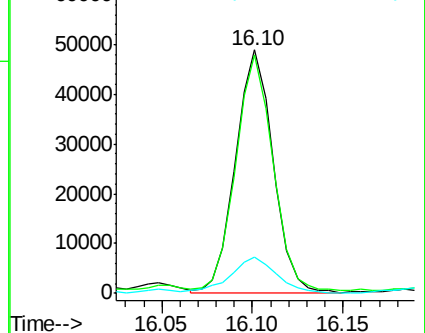
167 14.8 11.5 17.3



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



#13

Phenanthrene

Concen: 15.319 ng/ul

RT: 17.83 min Scan# 2447

Delta R.T. 0.00 min

Lab File: BN000417.D

Acq: 15 Mar 2018 15:58

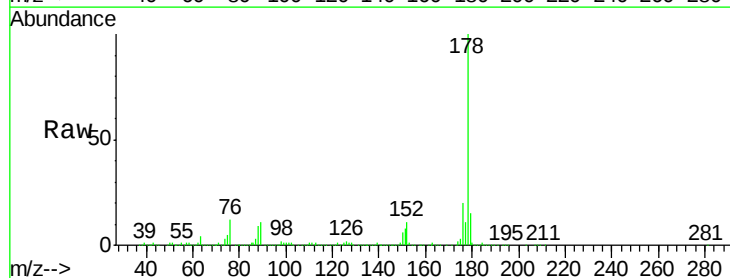
Tgt Ion:178 Resp: 1204638

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

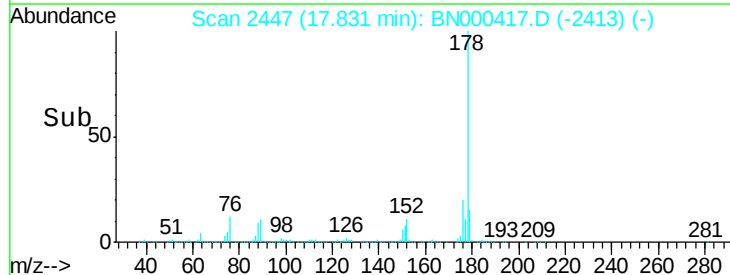
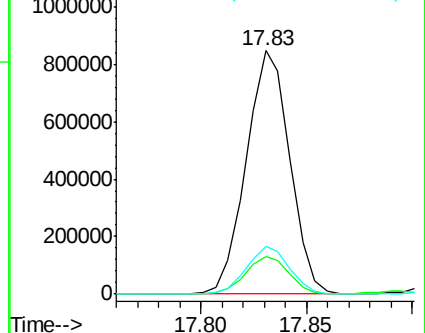
176 19.6 15.1 22.7

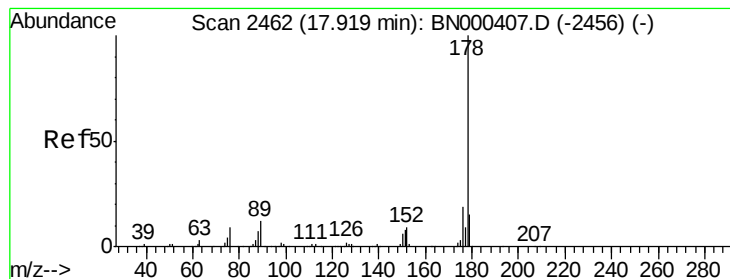


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Anthracene

Concen: 3.441 ng/ul

RT: 17.92 min Scan# 2462

Delta R.T. 0.00 min

Lab File: BN000417.D

Acq: 15 Mar 2018 15:58

Instrument :

BNA_N

ClientSampled :

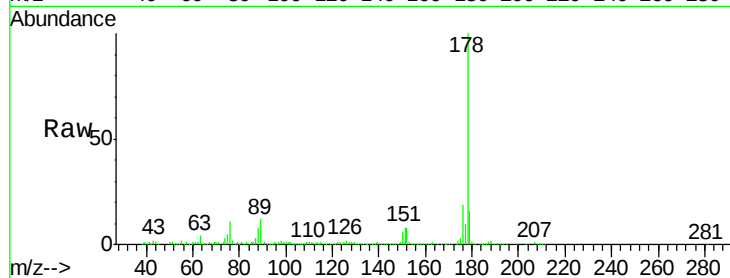
Tot Ion:178 Resp: 274554

Ion Ratio Lower Upper

178 100

179 15.7 11.8 17.8

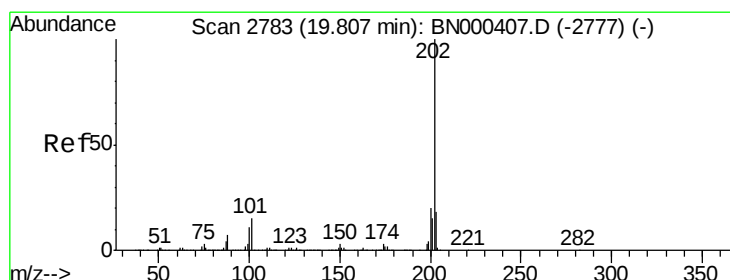
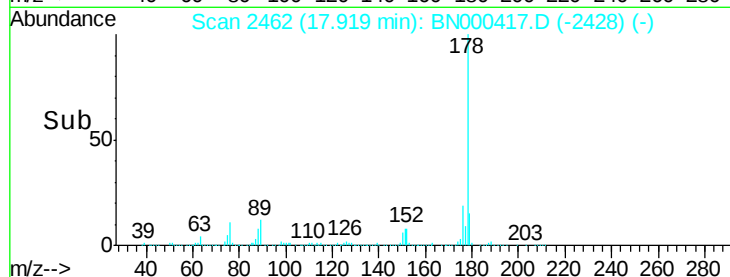
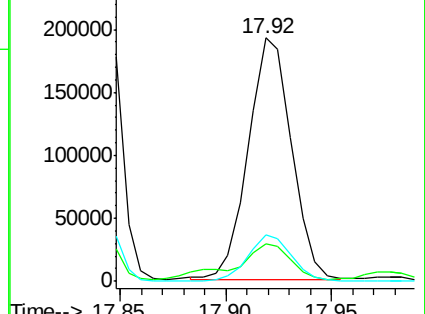
176 18.9 15.2 22.8



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



#16

Fluoranthene

Concen: 20.467 ng/ul

RT: 19.81 min Scan# 2784

Delta R.T. 0.01 min

Lab File: BN000417.D

Acq: 15 Mar 2018 15:58

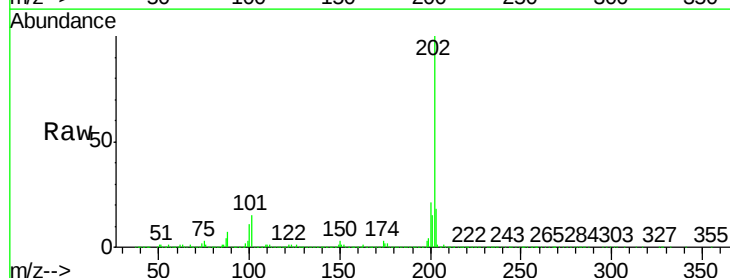
Tgt Ion:202 Resp: 1738936

Ion Ratio Lower Upper

202 100

101 15.4 9.9 14.9#

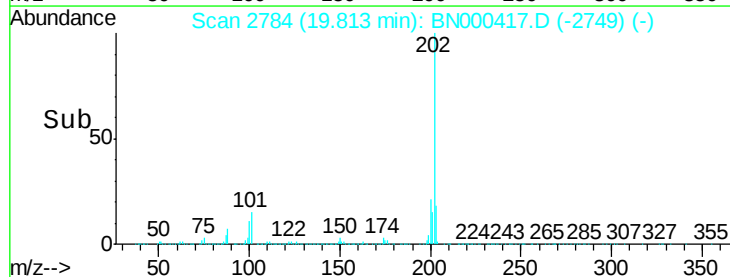
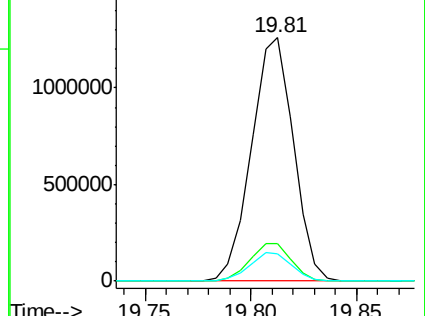
100 11.3 7.4 11.0#

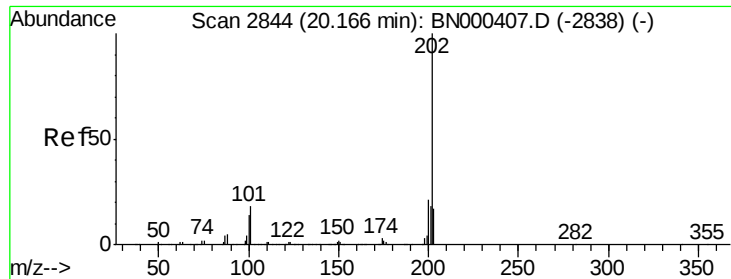


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pvrene

Concen: 20.595 ng/ul

RT: 20.17 min Scan# 2845

Delta R.T. 0.01 min

Lab File: BN000417.D

Acq: 15 Mar 2018 15:58

Instrument :

BNA_N

ClientSampleId :

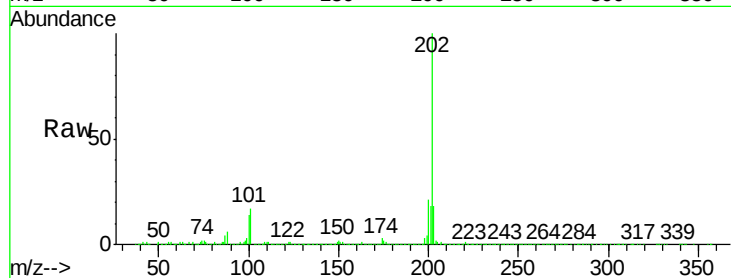
Tot Ion:202 Resp: 1347736

Ion Ratio Lower Upper

202 100

101 17.4 11.0 16.4#

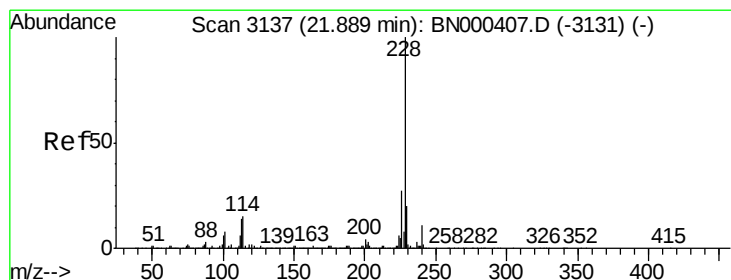
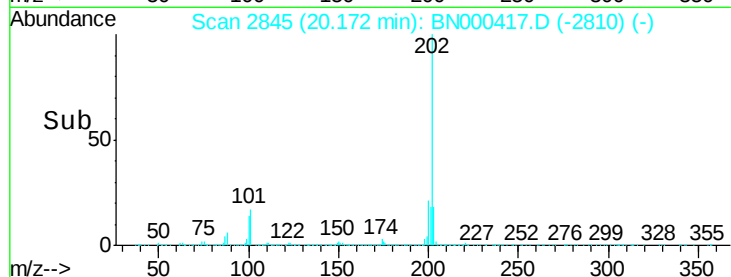
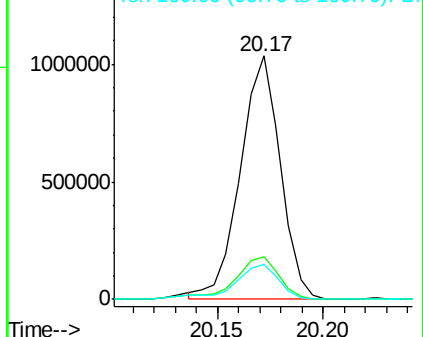
100 14.2 8.1 12.1#



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



#20

Benzo(a)anthracene

Concen: 9.765 ng/ul

RT: 21.90 min Scan# 3138

Delta R.T. 0.01 min

Lab File: BN000417.D

Acq: 15 Mar 2018 15:58

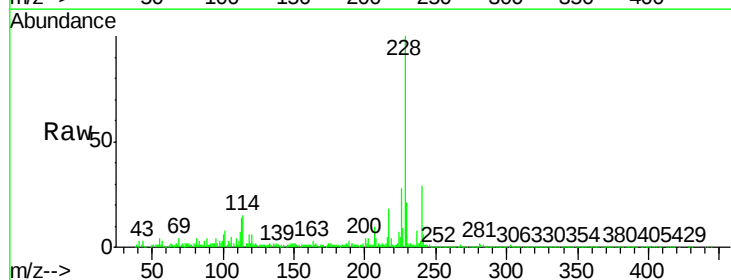
Tgt Ion:228 Resp: 629223

Ion Ratio Lower Upper

228 100

229 21.3 15.7 23.5

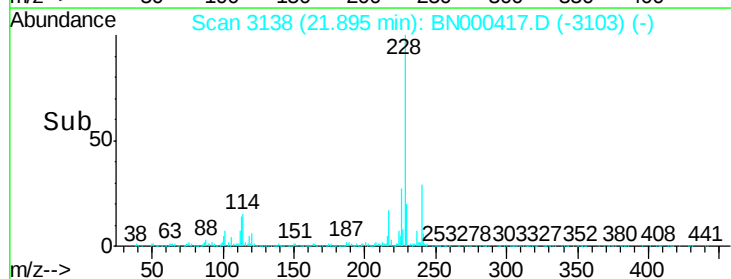
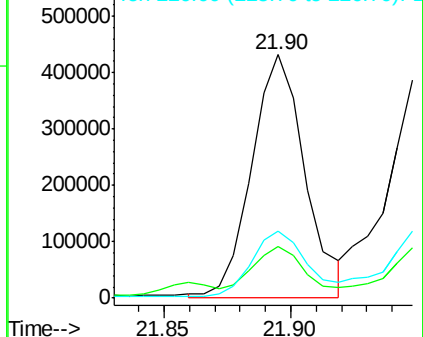
226 27.7 21.1 31.7

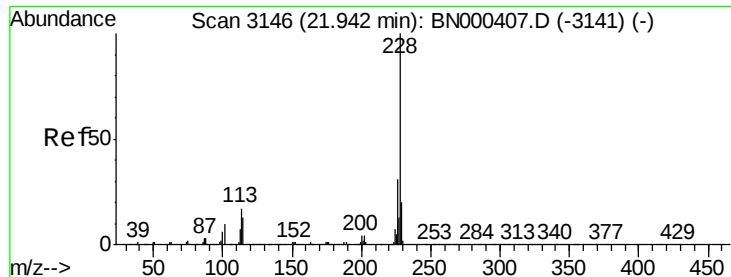


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 9.824 ng/ul

RT: 21.95 min Scan# 3147

Delta R.T. 0.01 min

Lab File: BN000417.D

Acq: 15 Mar 2018 15:58

Instrument :

BNA_N

ClientSampled :

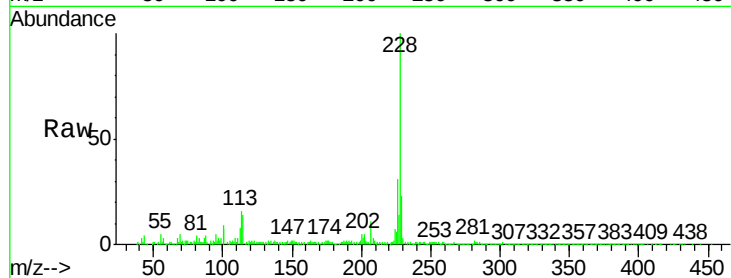
Tot Ion:228 Resp: 600755

Ion Ratio Lower Upper

228 100

226 30.6 24.5 36.7

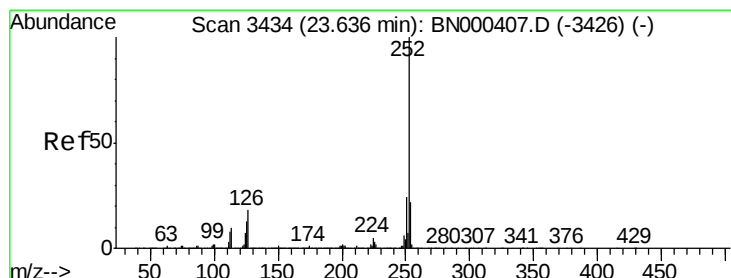
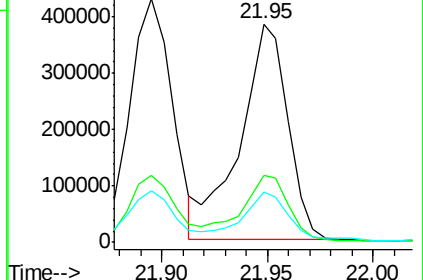
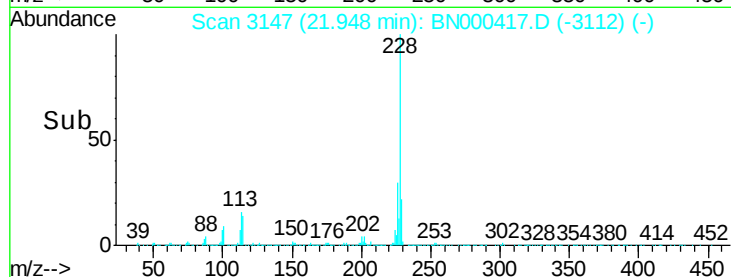
229 22.9 15.8 23.8



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



#23

Benzo(b)fluoranthene

Concen: 13.621 ng/ul

RT: 23.65 min Scan# 3436

Delta R.T. 0.01 min

Lab File: BN000417.D

Acq: 15 Mar 2018 15:58

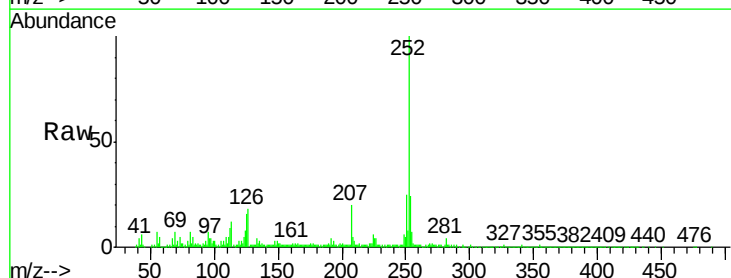
Tgt Ion:252 Resp: 770215

Ion Ratio Lower Upper

252 100

253 23.8 18.0 27.0

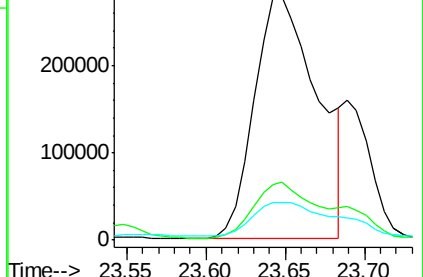
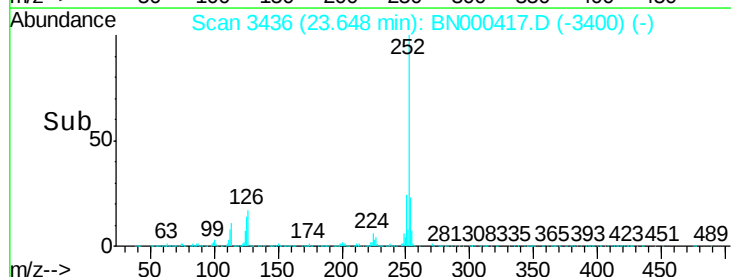
125 15.6 8.0 12.0#

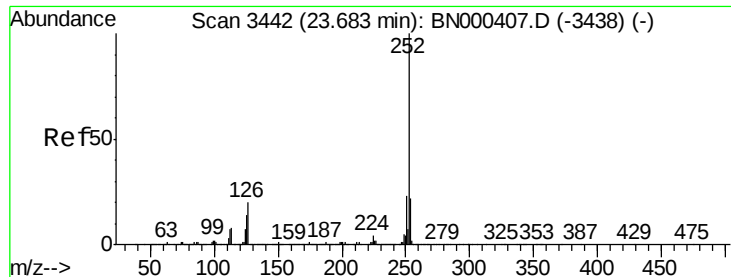


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 14.552 ng/ul

RT: 23.65 min Scan# 3436

Delta R.T. -0.04 min

Lab File: BN000417.D

Acq: 15 Mar 2018 15:58

Instrument :

BNA_N

ClientSampleId :

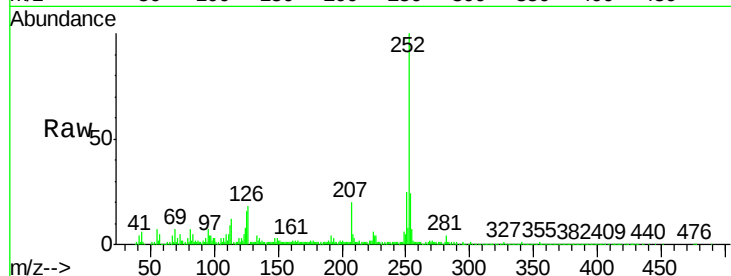
Tot Ion:252 Resp: 770215

Ion Ratio Lower Upper

252 100

253 23.8 18.0 27.0

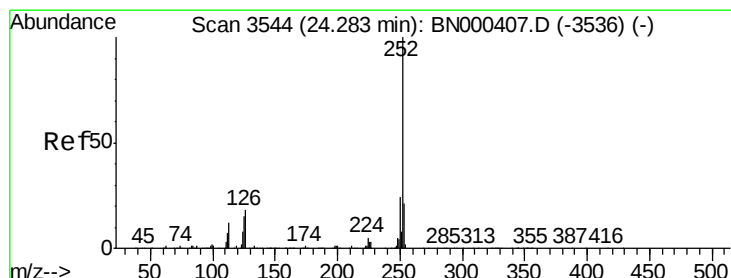
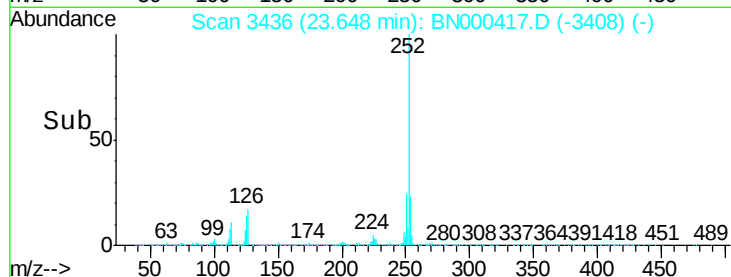
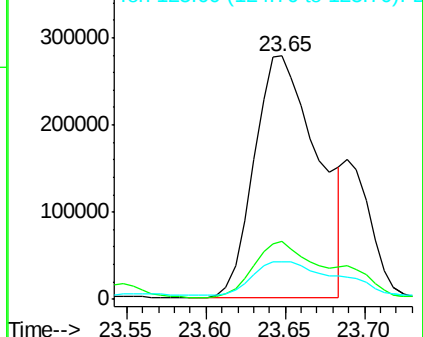
125 15.6 8.1 12.1#



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



#26

Benzo(a)pyrene

Concen: 8.495 ng/ul

RT: 24.29 min Scan# 3546

Delta R.T. 0.01 min

Lab File: BN000417.D

Acq: 15 Mar 2018 15:58

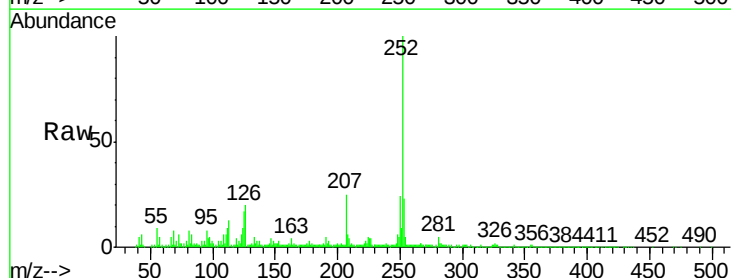
Tgt Ion:252 Resp: 457154

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

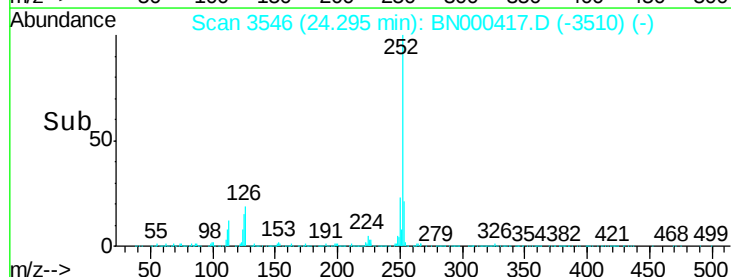
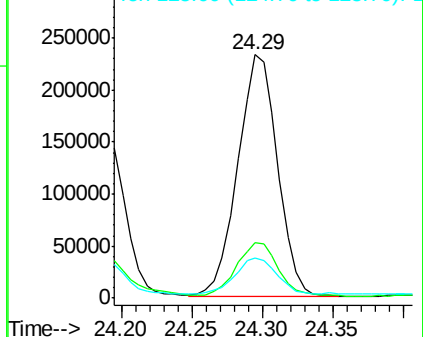
125 16.6 8.2 12.4#

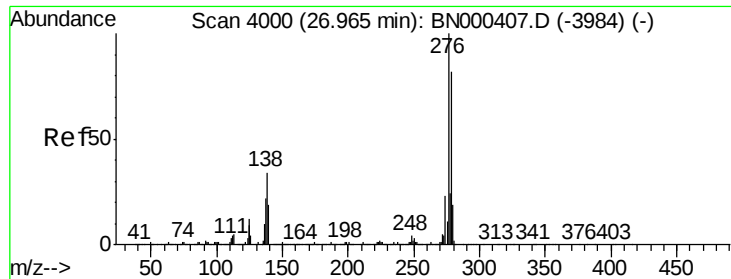


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Indeno(1,2,3-cd)pyrene

Concen: 5.302 ng/ul

RT: 26.98 min Scan# 4003

Delta R.T. 0.02 min

Lab File: BN000417.D

Acq: 15 Mar 2018 15:58

Instrument :

BNA_N

ClientSampleId :

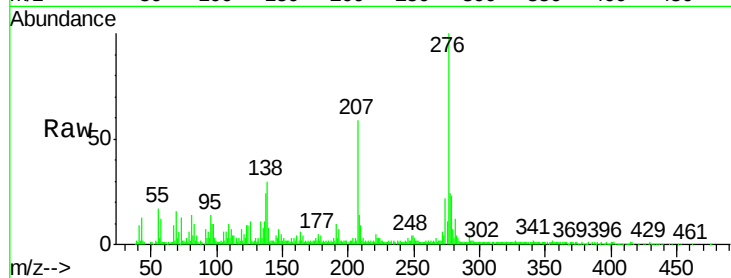
Tot Ion:276 Resp: 307676

Ion Ratio Lower Upper

276 100

138 30.2 14.4 21.6#

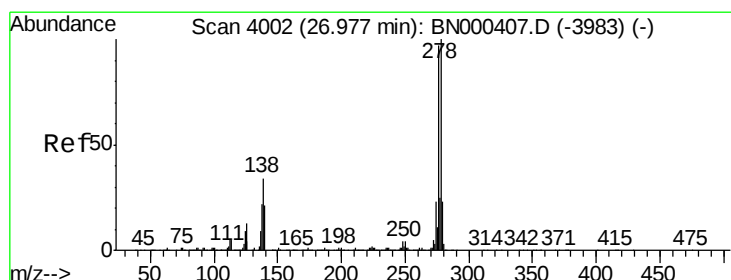
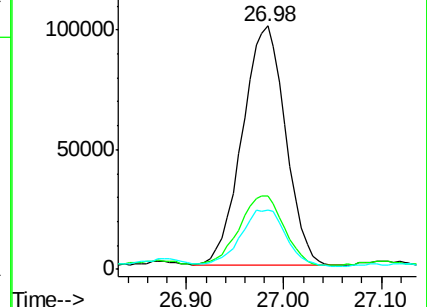
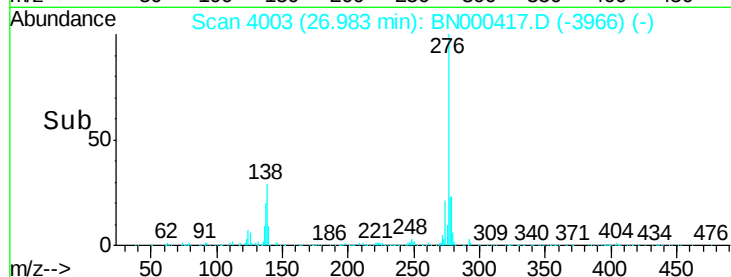
277 24.5 18.0 27.0



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



#28

Dibenzo(a,h)anthracene

Concen: 1.765 ng/ul

RT: 26.97 min Scan# 4001

Delta R.T. -0.01 min

Lab File: BN000417.D

Acq: 15 Mar 2018 15:58

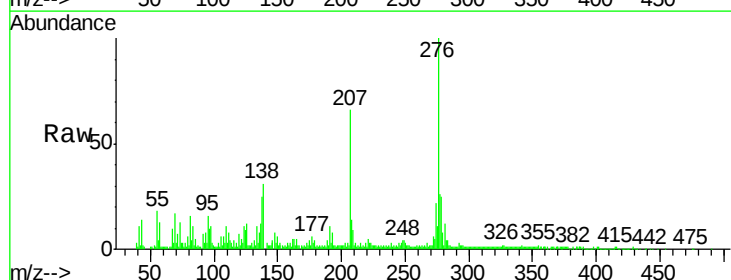
Tgt Ion:278 Resp: 83947

Ion Ratio Lower Upper

278 100

139 0.0 12.2 18.4#

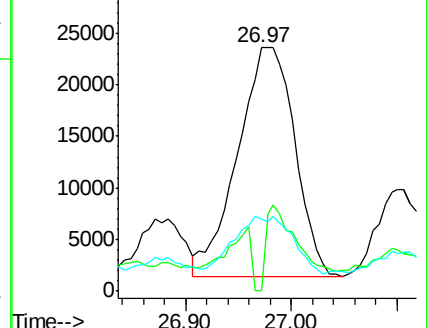
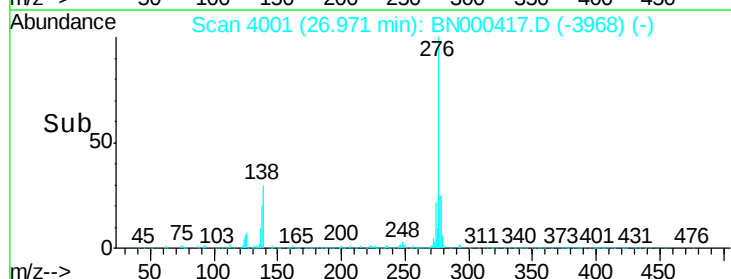
279 29.9 19.2 28.8#

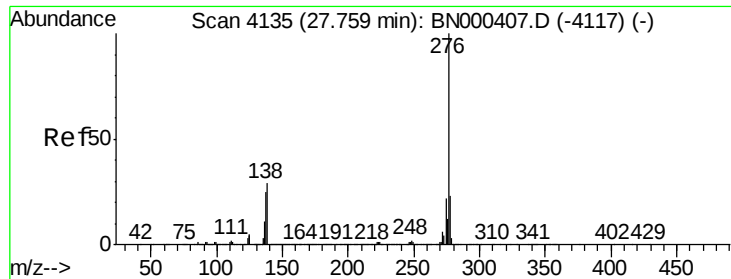


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#29

Benzo(a,h,i)perylene

Concen: 6.131 ng/ul

RT: 27.78 min Scan# 4138

Delta R.T. 0.02 min

Lab File: BN000417.D

Acq: 15 Mar 2018 15:58

Instrument :

BNA_N

ClientSampleId :

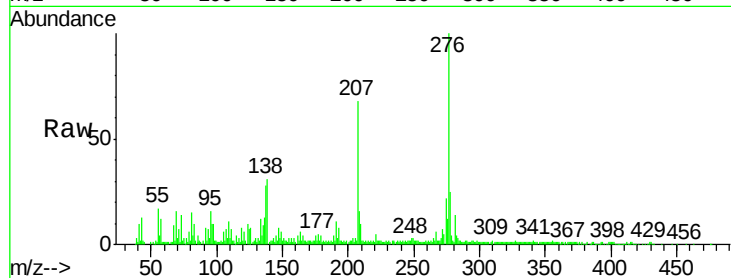
Tot Ion: 276 Resp: 297035

Ion Ratio Lower Upper

276 100

138 31.0 15.3 22.9#

277 25.1 19.0 28.4



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

