

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031418\
 Data File : BN000392.D
 Acq On : 15 Mar 2018 01:26
 Operator : JU/SJ
 Sample : J1866-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 15 07:08:48 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 15 07:02:49 2018
 Response via : Initial Calibration

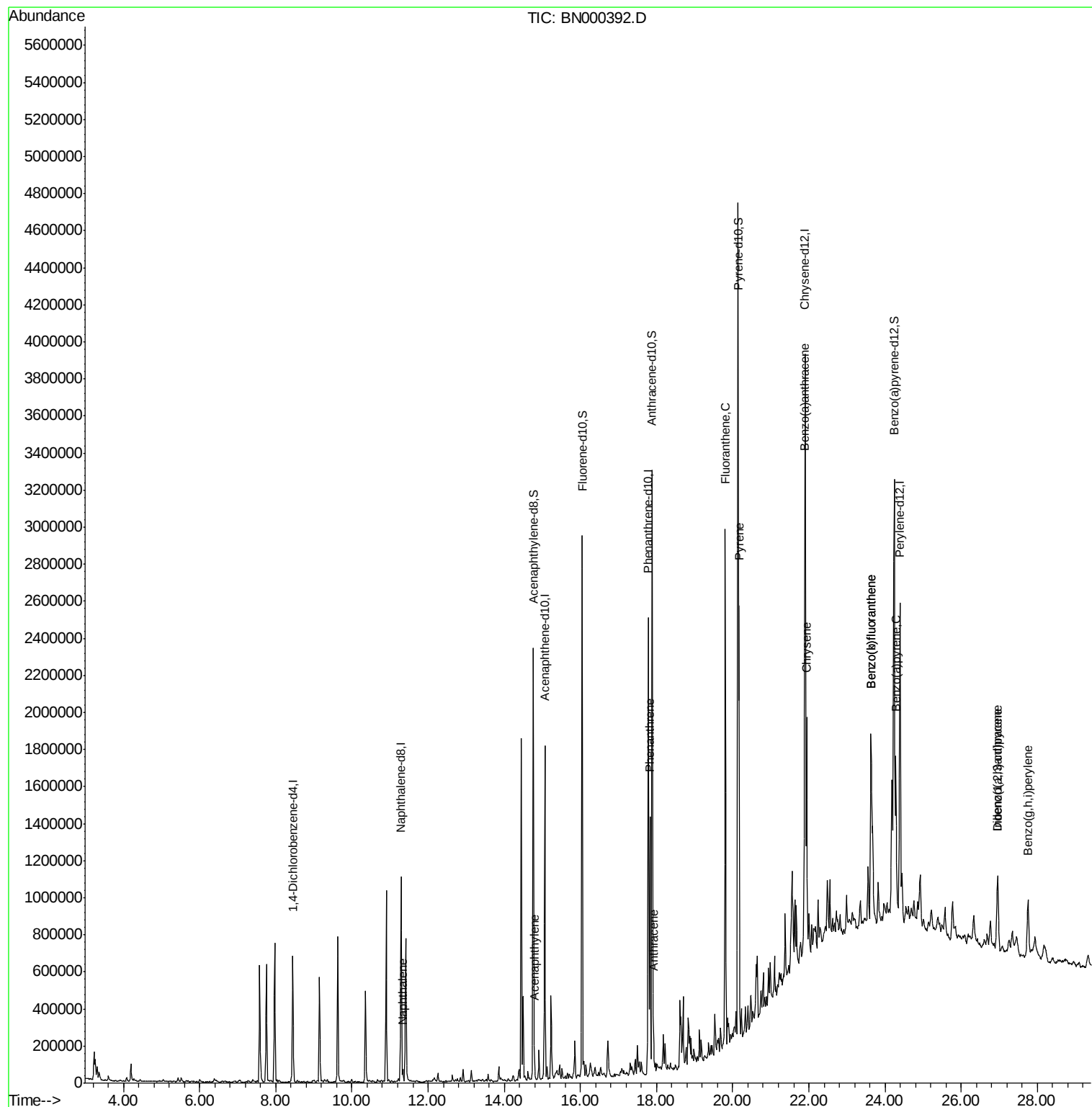
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	189697	20.00	ng/ul	0.00
2) Naphthalene-d8	11.29	136	941890	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.06	164	561329	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.79	188	1308554	20.00	ng/ul	0.00
17) Chrysene-d12	21.90	240	1316510	20.00	ng/ul	0.00
22) Perylene-d12	24.39	264	1240829	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.76	160	1608063	28.86	ng/ul	0.00
10) Fluorene-d10	16.05	176	1088277	28.85	ng/ul	0.00
14) Anthracene-d10	17.88	188	1769047	28.93	ng/ul	0.00
18) Pyrene-d10	20.14	212	2039452	31.67	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.24	264	1646028	29.05	ng/ul	0.01
Target Compounds				Ovalue		
3) Naphthalene	11.34	128	51110	1.028	ng/ul	98
8) Acenaphthylene	14.79	152	57983	1.036	ng/ul	98
13) Phenanthrene	17.83	178	768667	10.243	ng/ul	100
15) Anthracene	17.92	178	163671	2.149	ng/ul	98
16) Fluoranthene	19.80	202	1527819	18.843	ng/ul#	92
19) Pyrene	20.17	202	1296247	15.595	ng/ul#	90
20) Benzo(a)anthracene	21.89	228	677300	8.275	ng/ul	98
21) Chrysene	21.94	228	642436	8.271	ng/ul	98
23) Benzo(b)fluoranthene	23.63	252	882392	11.926	ng/ul#	95
24) Benzo(k)fluoranthene	23.63	252	823426	11.889	ng/ul#	95
26) Benzo(a)pyrene	24.29	252	561189	7.969	ng/ul#	94
27) Indeno(1,2,3-cd)pyrene	26.96	276	377044	4.966	ng/ul#	84
28) Dibenzo(a,h)anthracene	26.96	278	100361	1.613	ng/ul#	77
29) Benzo(a,h,i)perylene	27.76	276	380084	5.995	ng/ul#	90

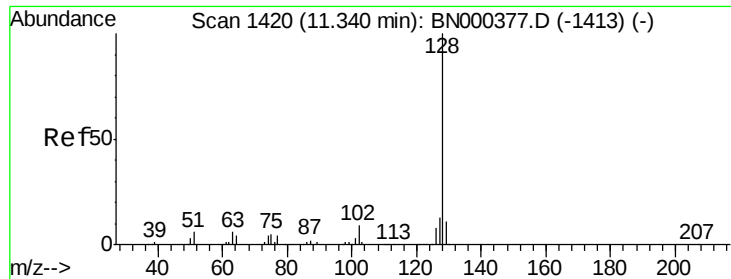
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.028 ng/ul

RT: 11.34 min Scan# 1420

Delta R.T. -0.00 min

Lab File: BN000392.D

Acq: 15 Mar 2018 01:26

Instrument :

BNA_N

ClientSampleId :

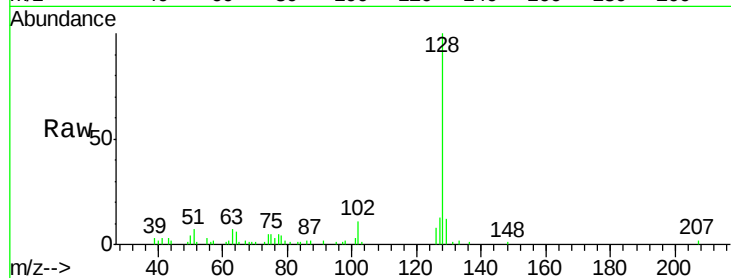
Tot Ion:128 Resp: 51110

Ion Ratio Lower Upper

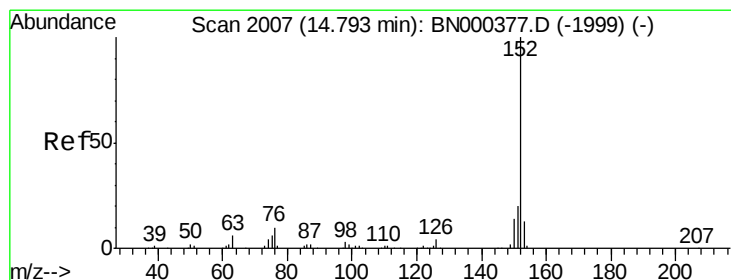
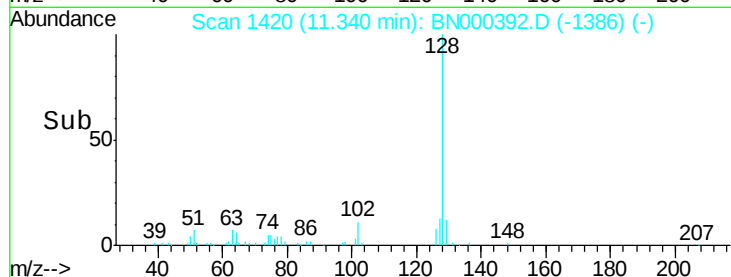
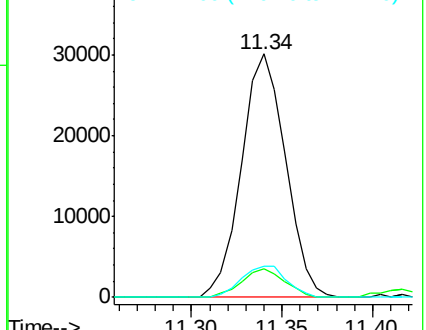
128 100

129 11.7 8.7 13.1

127 12.5 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



#8

Acenaphthylene

Concen: 1.036 ng/ul

RT: 14.79 min Scan# 2007

Delta R.T. -0.00 min

Lab File: BN000392.D

Acq: 15 Mar 2018 01:26

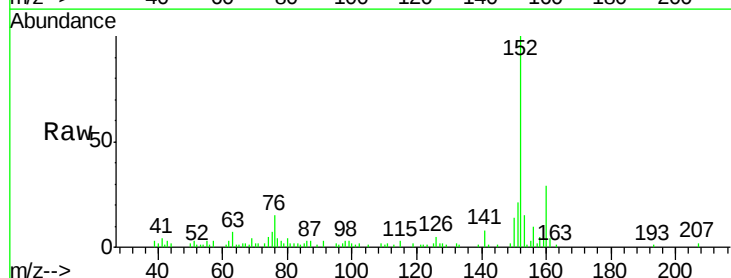
Tgt Ion:152 Resp: 57983

Ion Ratio Lower Upper

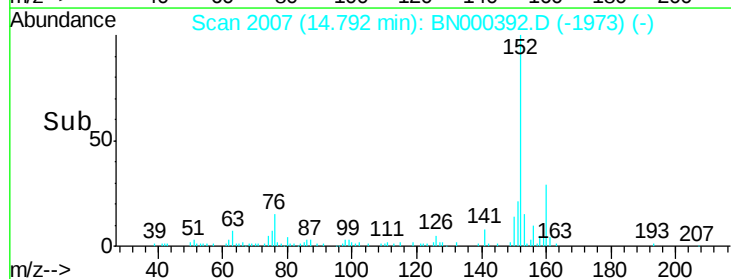
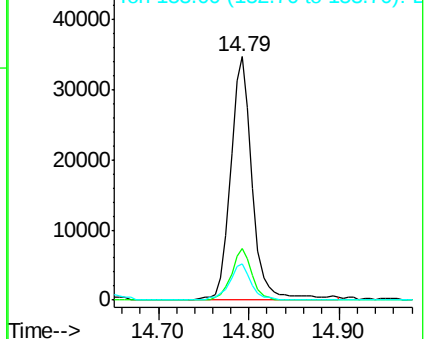
152 100

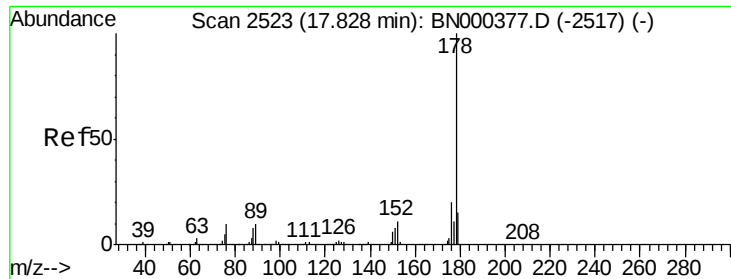
151 21.0 16.7 25.1

153 14.7 10.2 15.4



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





#13

Phenanthrene

Concen: 10.243 ng/ul

RT: 17.83 min Scan# 2523

Delta R.T. -0.00 min

Lab File: BN000392.D

Acq: 15 Mar 2018 01:26

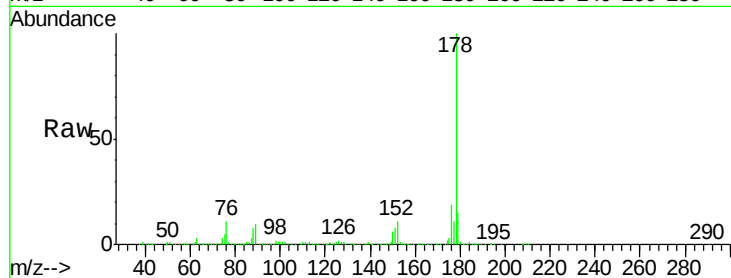
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 768667

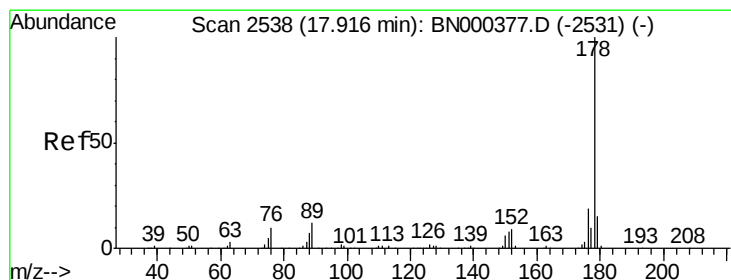
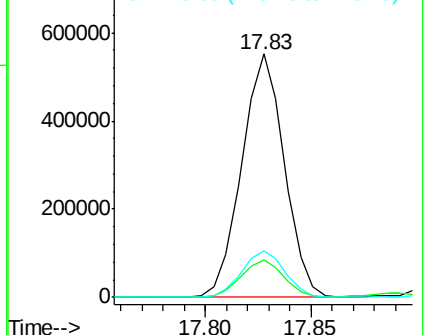
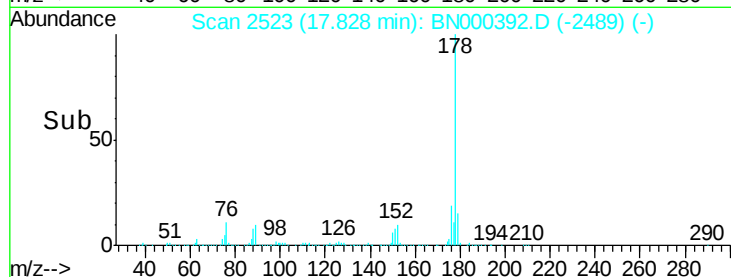
Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	19.3	15.1	22.7



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: 2.149 ng/ul

RT: 17.92 min Scan# 2538

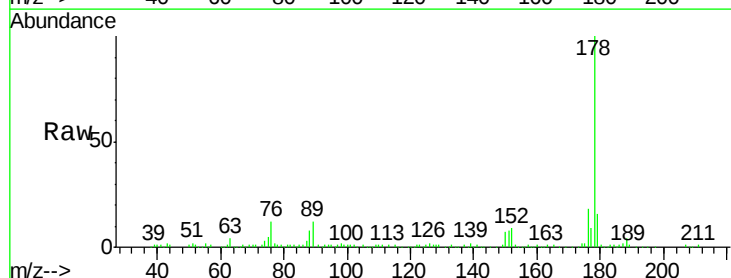
Delta R.T. -0.00 min

Lab File: BN000392.D

Acq: 15 Mar 2018 01:26

Tgt Ion:178 Resp: 163671

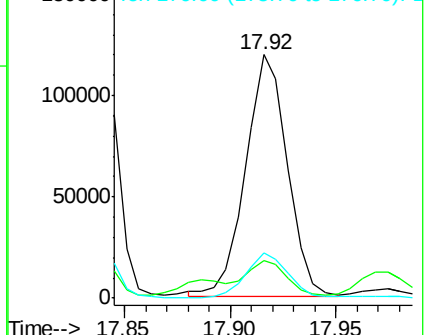
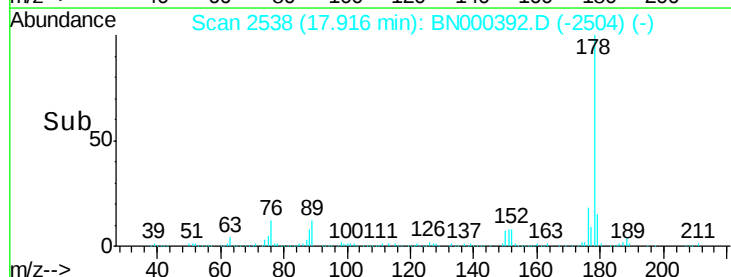
Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.8	17.8
176	18.4	15.2	22.8

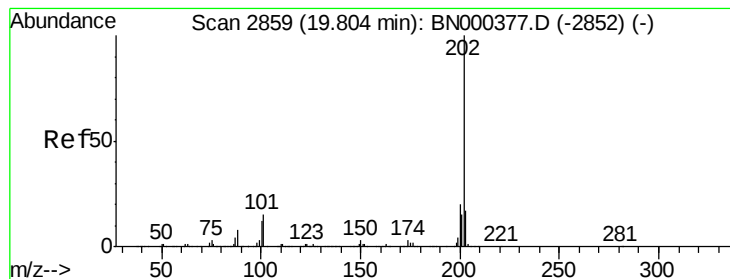


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 18.843 ng/ul

RT: 19.80 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BN000392.D

Acq: 15 Mar 2018 01:26

Instrument :

BNA_N

ClientSampleId :

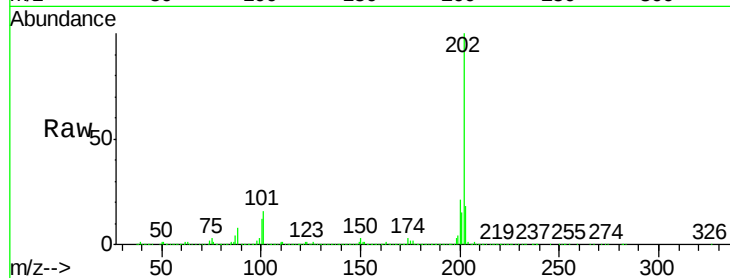
Tot Ion:202 Resp: 1527819

Ion Ratio Lower Upper

202 100

101 15.6 9.9 14.9#

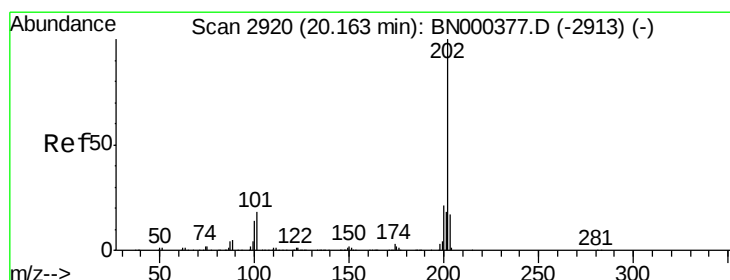
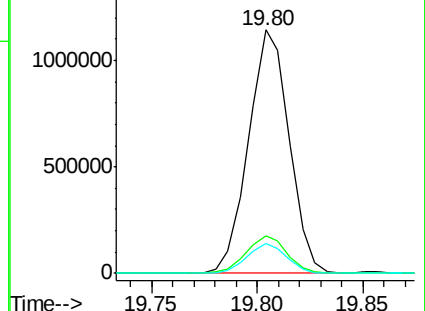
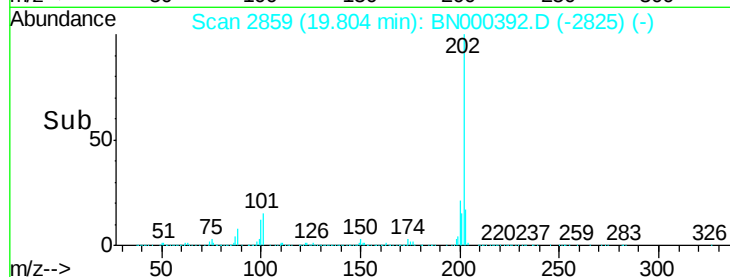
100 12.0 7.4 11.0#



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

Pyrene

Concen: 15.595 ng/ul

RT: 20.17 min Scan# 2921

Delta R.T. 0.01 min

Lab File: BN000392.D

Acq: 15 Mar 2018 01:26

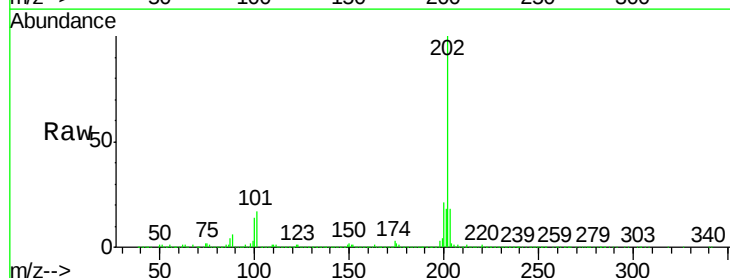
Tgt Ion:202 Resp: 1296247

Ion Ratio Lower Upper

202 100

101 17.1 11.0 16.4#

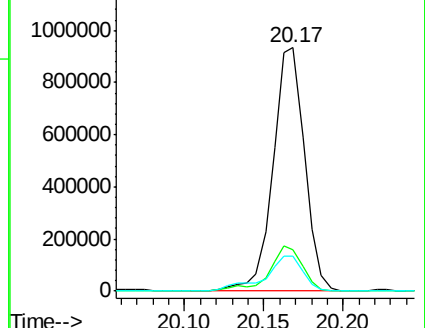
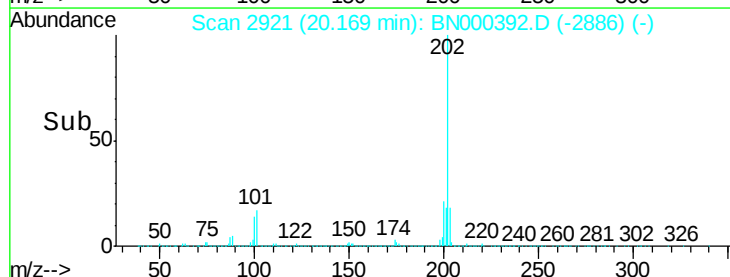
100 14.2 8.1 12.1#

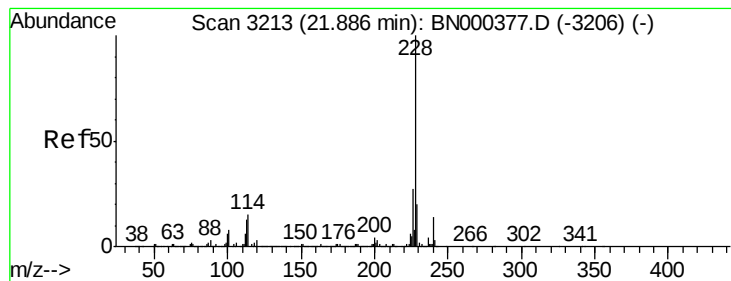


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 8.275 ng/ul

RT: 21.89 min Scan# 3213

Delta R.T. -0.00 min

Lab File: BN000392.D

Acq: 15 Mar 2018 01:26

Instrument :

BNA_N

ClientSampleId :

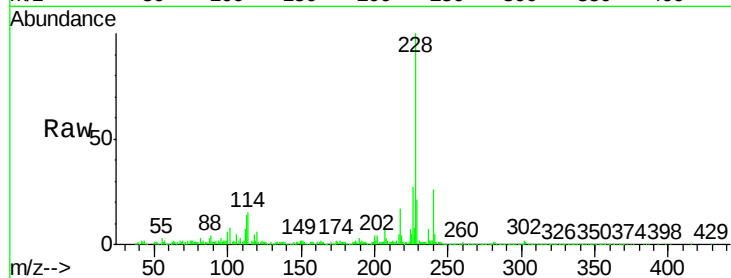
Tot Ion:228 Resp: 677300

Ion Ratio Lower Upper

228 100

229 20.6 15.7 23.5

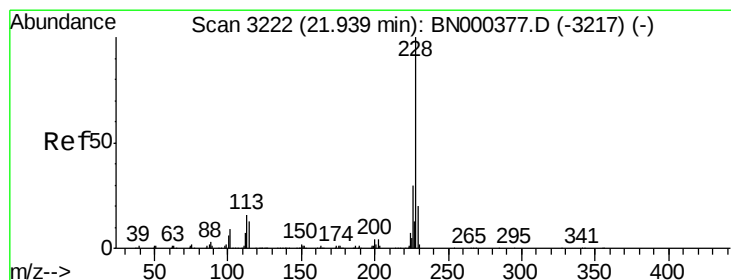
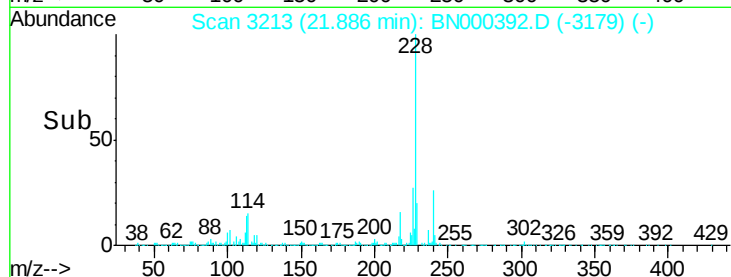
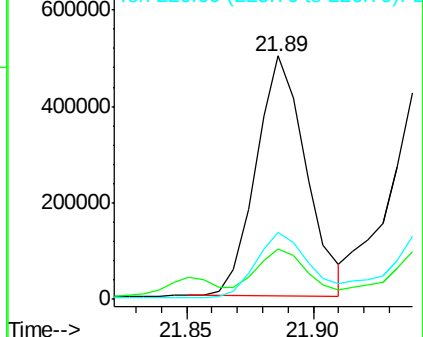
226 27.3 21.1 31.7



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: 8.271 ng/ul

RT: 21.94 min Scan# 3223

Delta R.T. 0.01 min

Lab File: BN000392.D

Acq: 15 Mar 2018 01:26

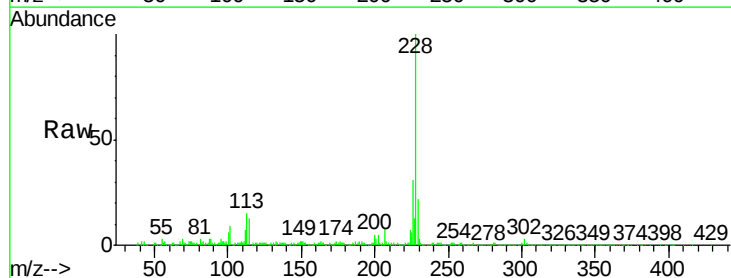
Tgt Ion:228 Resp: 642436

Ion Ratio Lower Upper

228 100

226 30.8 24.5 36.7

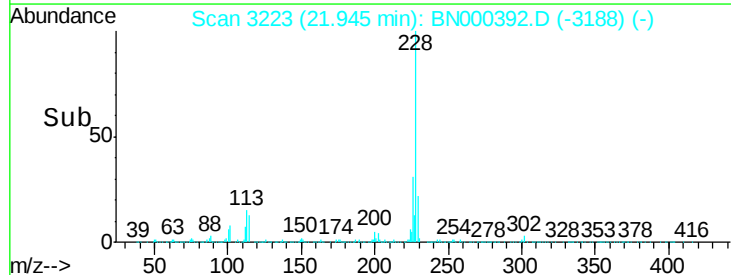
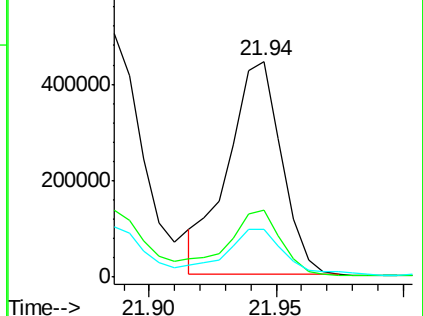
229 22.4 15.8 23.8

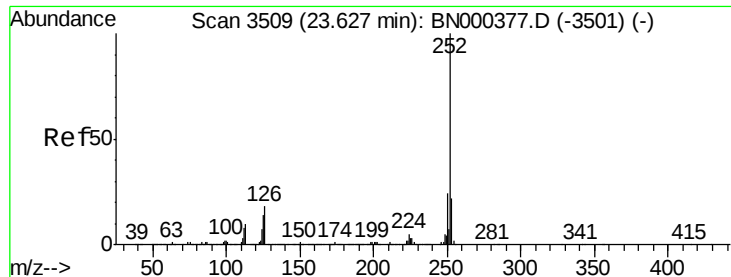


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 11.926 ng/ul

RT: 23.63 min Scan# 3510

Delta R.T. 0.01 min

Lab File: BN000392.D

Acq: 15 Mar 2018 01:26

Instrument :

BNA_N

ClientSampled :

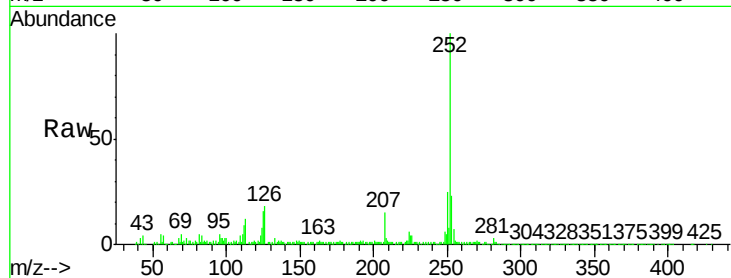
Tot Ion:252 Resp: 882392

Ion Ratio Lower Upper

252 100

253 23.1 18.0 27.0

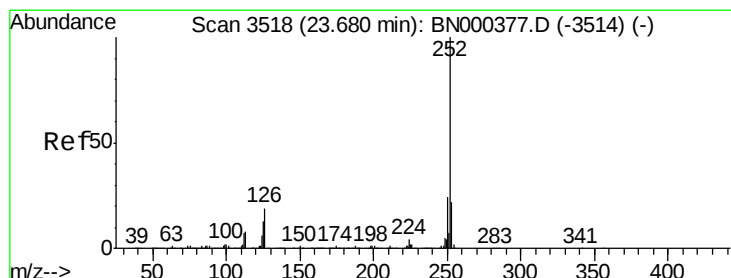
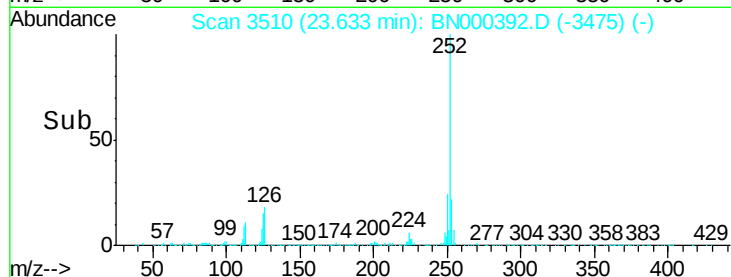
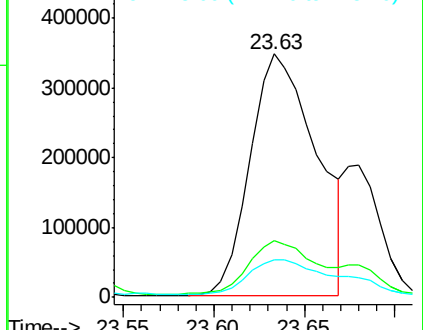
125 15.6 8.0 12.0#



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: 11.889 ng/ul

RT: 23.63 min Scan# 3510

Delta R.T. -0.05 min

Lab File: BN000392.D

Acq: 15 Mar 2018 01:26

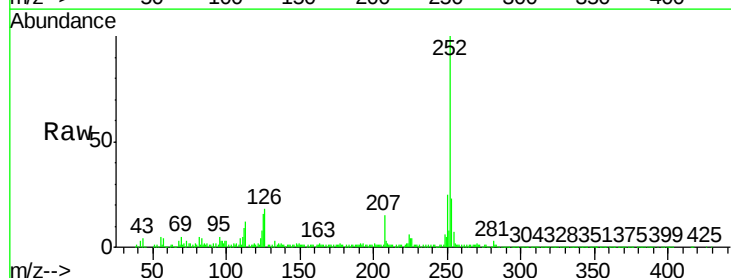
Tgt Ion:252 Resp: 823426

Ion Ratio Lower Upper

252 100

253 23.1 18.0 27.0

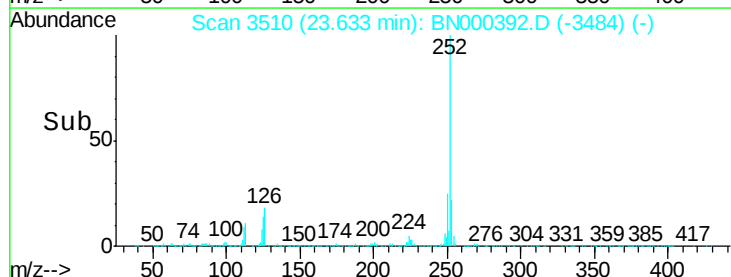
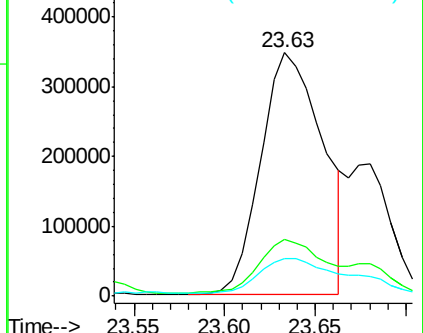
125 15.6 8.1 12.1#

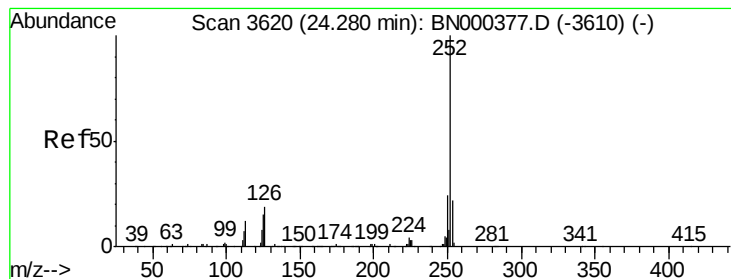


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 7.969 ng/ul

RT: 24.29 min Scan# 3621

Delta R.T. 0.01 min

Lab File: BN000392.D

Acq: 15 Mar 2018 01:26

Instrument :

BNA_N

ClientSampleId :

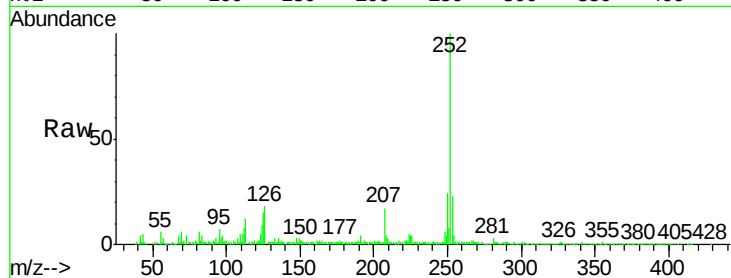
Tot Ion:252 Resp: 561189

Ion Ratio Lower Upper

252 100

253 22.6 17.2 25.8

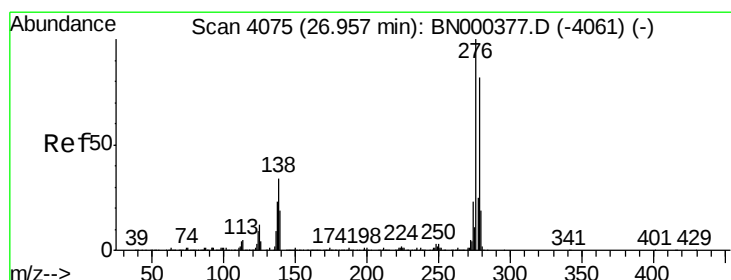
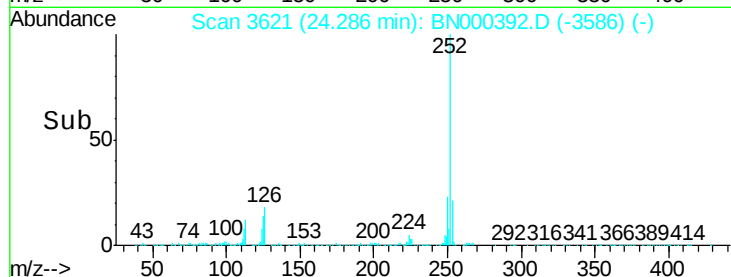
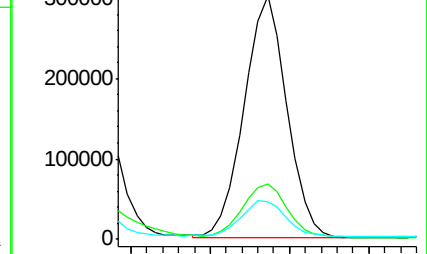
125 15.4 8.2 12.4#



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: 4.966 ng/ul

RT: 26.96 min Scan# 4075

Delta R.T. -0.00 min

Lab File: BN000392.D

Acq: 15 Mar 2018 01:26

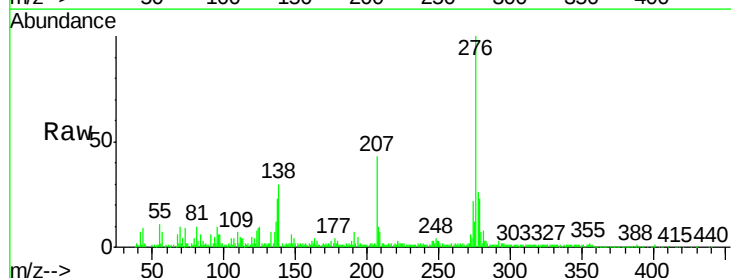
Tgt Ion:276 Resp: 377044

Ion Ratio Lower Upper

276 100

138 30.4 14.4 21.6#

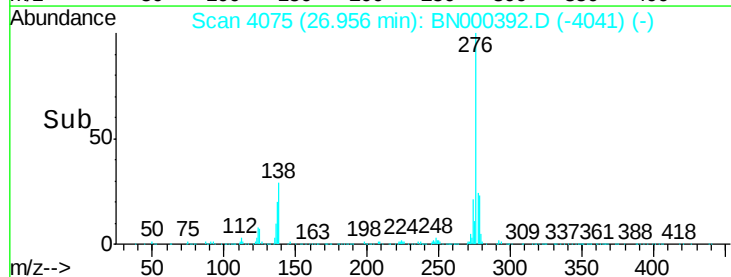
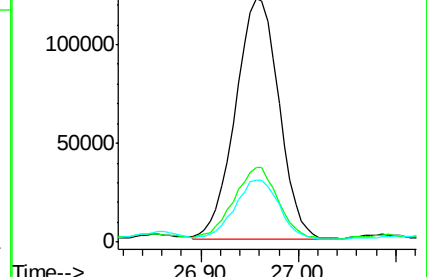
277 25.6 18.0 27.0

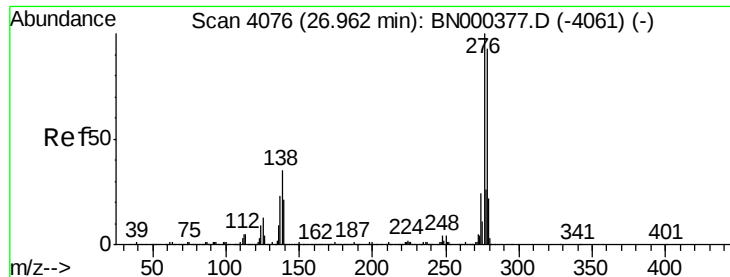


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 1.613 ng/ul

RT: 26.96 min Scan# 4076

Delta R.T. -0.00 min

Lab File: BN000392.D

Acq: 15 Mar 2018 01:26

Instrument :

BNA_N

ClientSampleId :

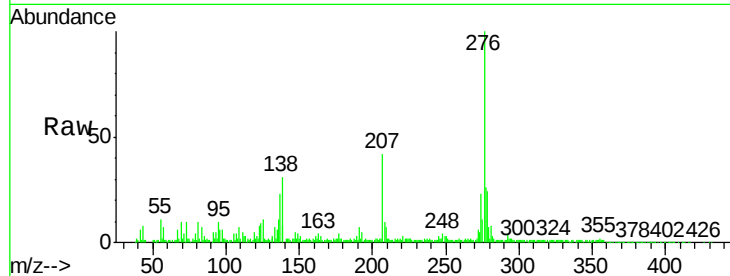
Tot Ion:278 Resp: 100361

Ion Ratio Lower Upper

278 100

139 33.0 12.2 18.4#

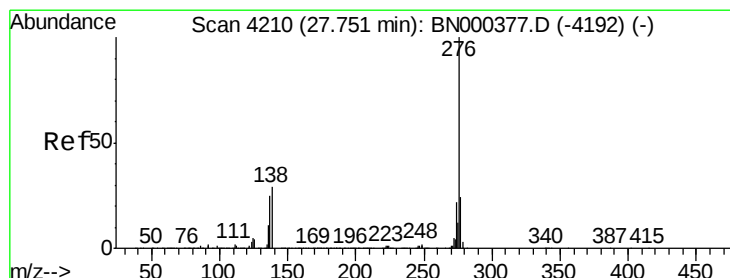
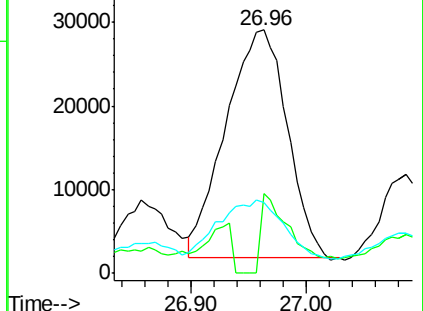
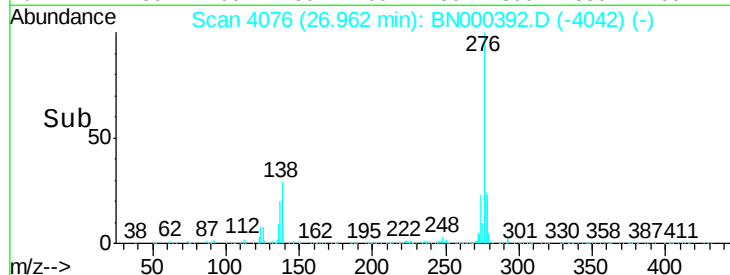
279 29.0 19.2 28.8#



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(g,h,i)perylene

Concen: 5.995 ng/ul

RT: 27.76 min Scan# 4211

Delta R.T. 0.01 min

Lab File: BN000392.D

Acq: 15 Mar 2018 01:26

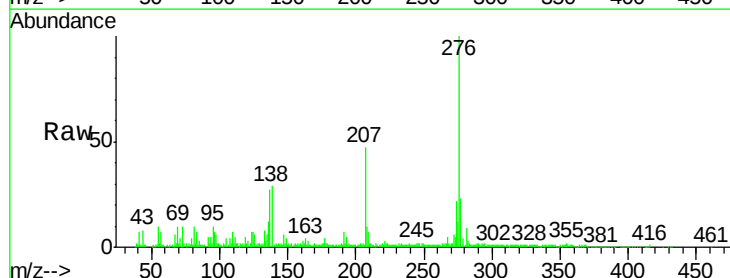
Tgt Ion:276 Resp: 380084

Ion Ratio Lower Upper

276 100

138 29.3 15.3 22.9#

277 23.4 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

