

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042418\
 Data File : BN000887.D
 Acq On : 25 Apr 2018 12:26
 Operator : JU/SJ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 25 13:01:09 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 25 08:30:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	190881	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	775349	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	380864	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.00	188	743805	20.00	ng/ul	0.00
17) Chrysene-d12	21.21	240	701747	20.00	ng/ul	0.00
22) Perylene-d12	23.40	264	754983	20.00	ng/ul	0.00

System Monitoring Compounds

7) Acenaphthylene-d8	13.95	160	779713	21.32	ng/ul	0.00
10) Fluorene-d10	15.25	176	497419	20.37	ng/ul	0.00
14) Anthracene-d10	17.10	188	710215	20.88	ng/ul	0.00
18) Pyrene-d10	19.40	212	723030	20.11	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.26	264	753937	21.14	ng/ul	0.01

Target Compounds

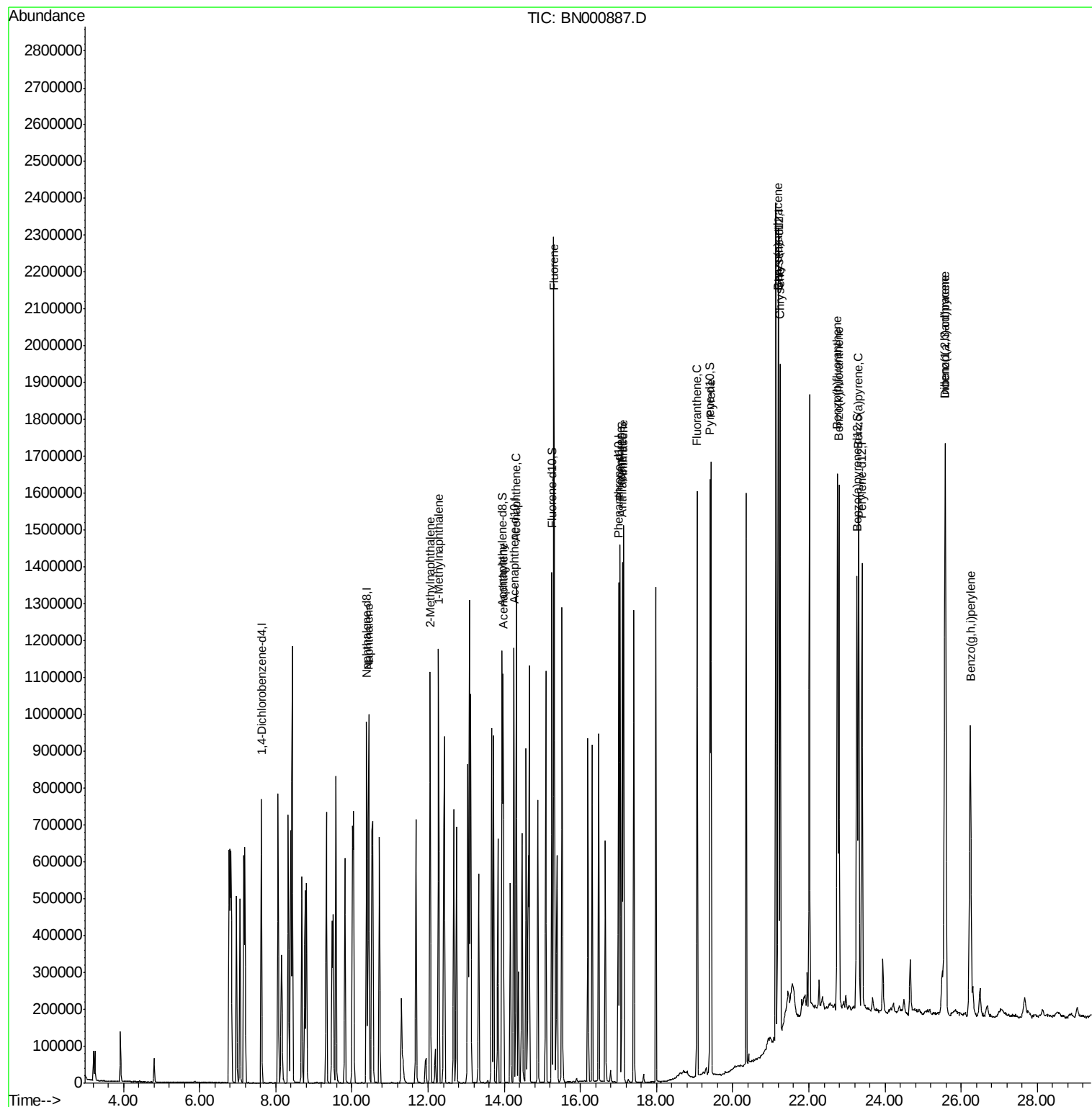
					Ovalue	
3) Naphthalene	10.44	128	795058	20.346	ng/ul	99
4) 2-Methylnaphthalene	12.05	142	522849	20.054	ng/ul	97
5) 1-Methylnaphthalene	12.28	142	512621	20.046	ng/ul#	93
8) Acenaphthylene	13.97	152	753694	20.819	ng/ul	99
9) Acenaphthene	14.32	153	512416	20.486	ng/ul	96
11) Fluorene	15.30	166	543504	20.411	ng/ul	95
13) Phenanthrene	17.05	178	813371	20.050	ng/ul	99
15) Anthracene	17.13	178	835136	20.524	ng/ul	99
16) Fluoranthene	19.07	202	891753	21.666	ng/ul	95
19) Pyrene	19.43	202	895646	19.870	ng/ul#	91
20) Benzo(a)anthracene	21.19	228	858433	20.464	ng/ul	99
21) Chrysene	21.25	228	807895	20.491	ng/ul	99
23) Benzo(b)fluoranthene	22.75	252	850122	19.814	ng/ul	97
24) Benzo(k)fluoranthene	22.79	252	880464	20.971	ng/ul	97
26) Benzo(a)pyrene	23.30	252	846291	20.639	ng/ul#	96
27) Indeno(1,2,3-cd)pyrene	25.58	276	1035801	20.914	ng/ul#	84
28) Dibenzo(a,h)anthracene	25.59	278	859311	20.818	ng/ul#	96
29) Benzo(a,h,i)perylene	26.24	276	867276	20.937	ng/ul#	92

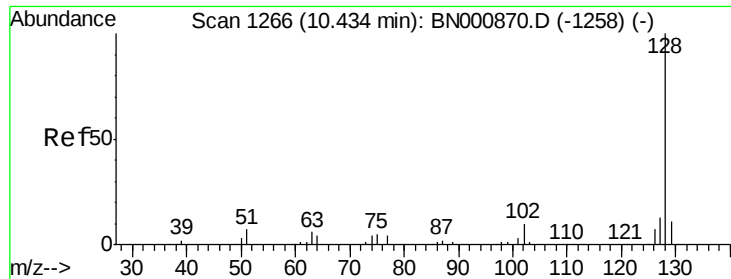
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042418\
Data File : BN000887.D
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ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Apr 25 13:01:09 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 25 08:30:17 2018
Response via : Initial Calibration





#3

Naphthalene

Concen: 20.346 ng/ul

RT: 10.44 min Scan# 1267

Delta R.T. 0.01 min

Lab File: BN000887.D

Acq: 25 Apr 2018 12:26

Instrument :

BNA_N

ClientSampleId :

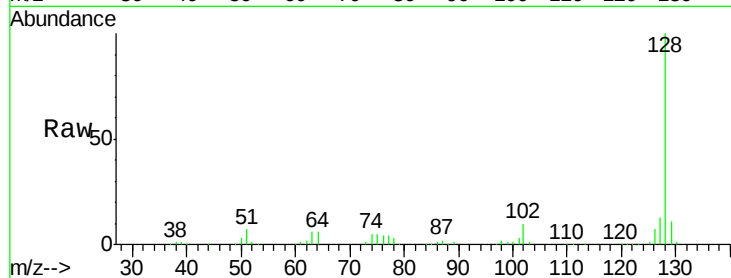
Tot Ion:128 Resp: 795058

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

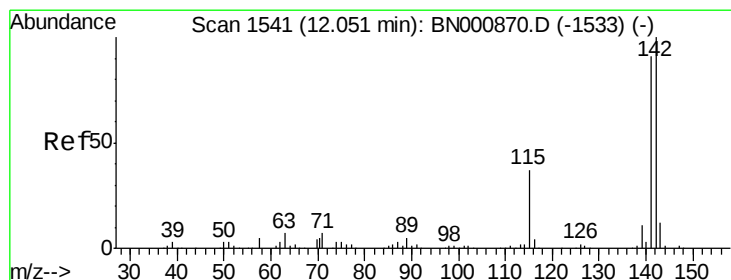
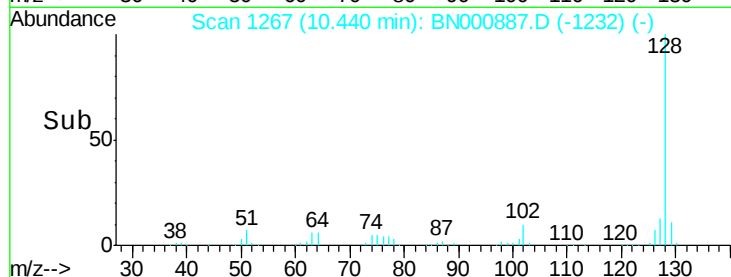
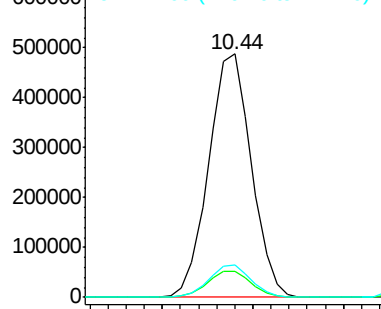
127 13.1 10.6 16.0



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



#4

2-Methylnaphthalene

Concen: 20.054 ng/ul

RT: 12.05 min Scan# 1541

Delta R.T. 0.00 min

Lab File: BN000887.D

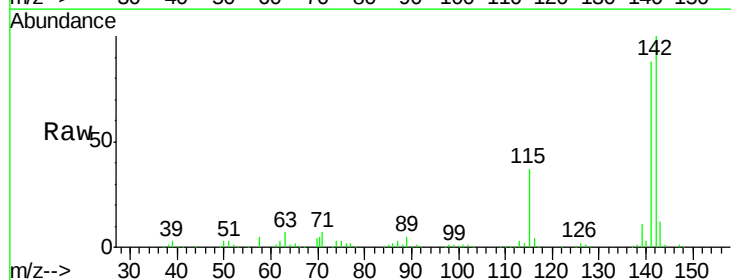
Acq: 25 Apr 2018 12:26

Tgt Ion:142 Resp: 522849

Ion Ratio Lower Upper

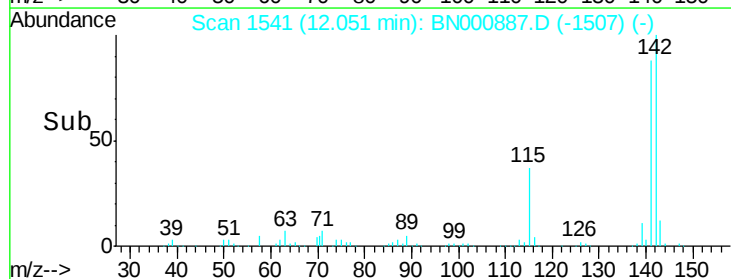
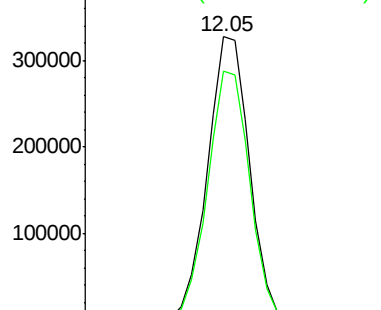
142 100

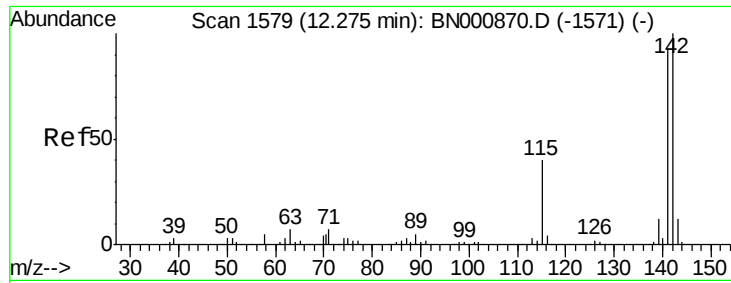
141 88.0 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 20.046 ng/ul

RT: 12.28 min Scan# 1579

Delta R.T. 0.00 min

Lab File: BN000887.D

Acq: 25 Apr 2018 12:26

Instrument :

BNA_N

ClientSampleId :

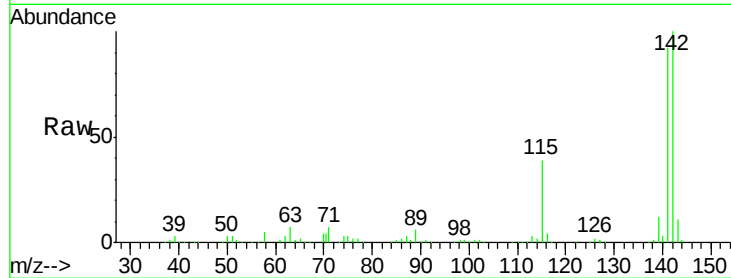
Tot Ion:142 Resp: 512621

Ion Ratio Lower Upper

142 100

141 91.5 79.3 118.9

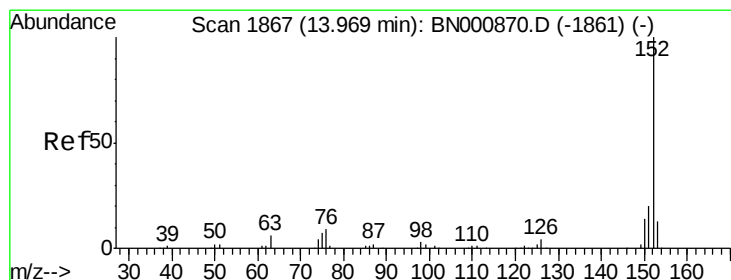
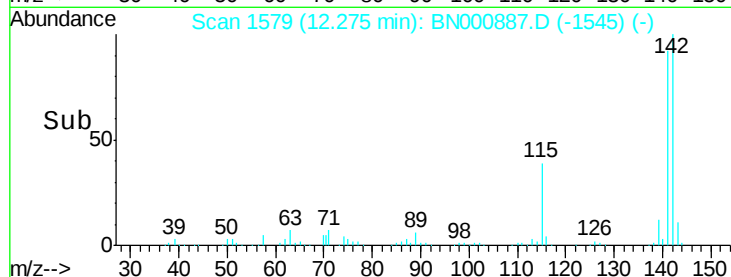
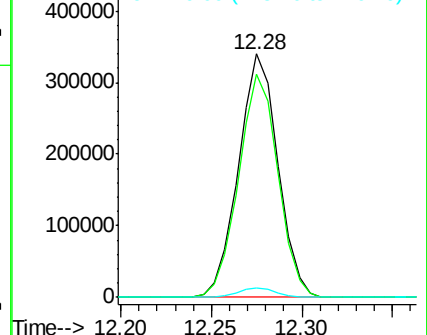
116 4.0 4.2 6.2#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#8

Acenaphthylene

Concen: 20.819 ng/ul

RT: 13.97 min Scan# 1868

Delta R.T. 0.01 min

Lab File: BN000887.D

Acq: 25 Apr 2018 12:26

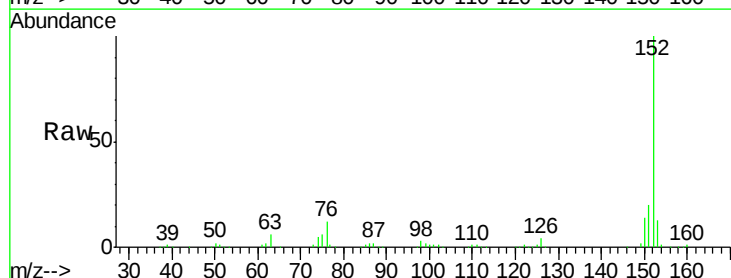
Tgt Ion:152 Resp: 753694

Ion Ratio Lower Upper

152 100

151 20.0 16.7 25.1

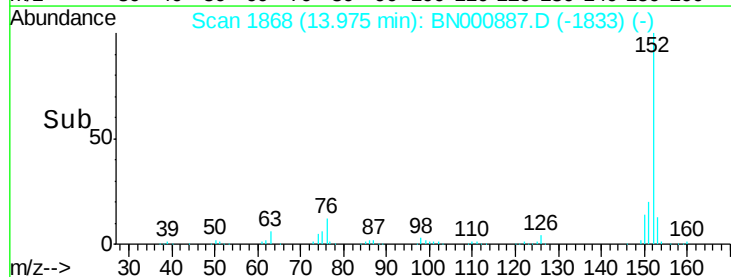
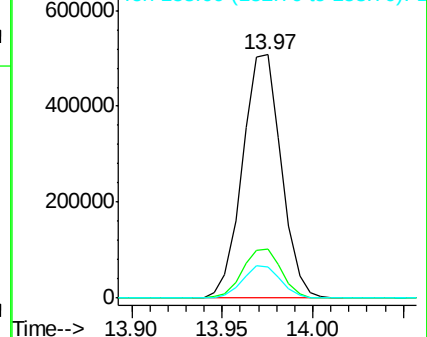
153 12.8 10.2 15.4

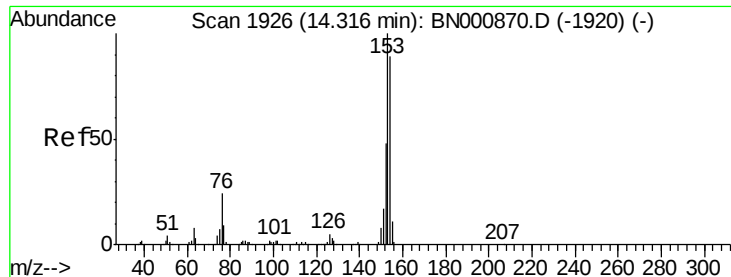


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 20.486 ng/ul

RT: 14.32 min Scan# 1926

Delta R.T. 0.00 min

Lab File: BN000887.D

Acq: 25 Apr 2018 12:26

Instrument :

BNA_N

ClientSampleId :

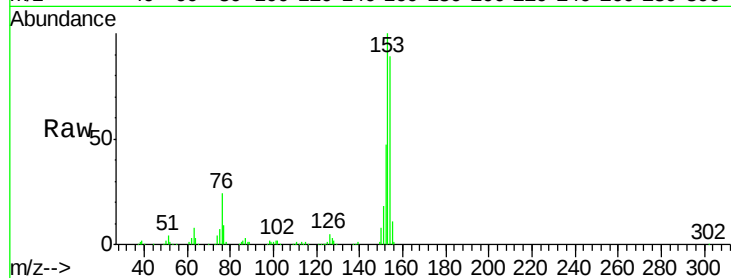
Tot Ion:153 Resp: 512416

Ion Ratio Lower Upper

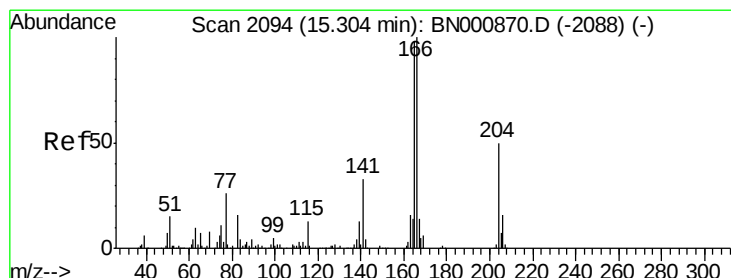
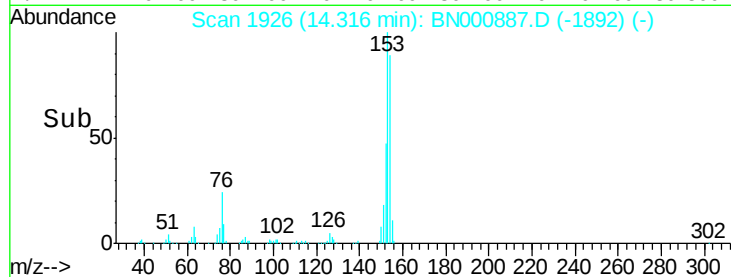
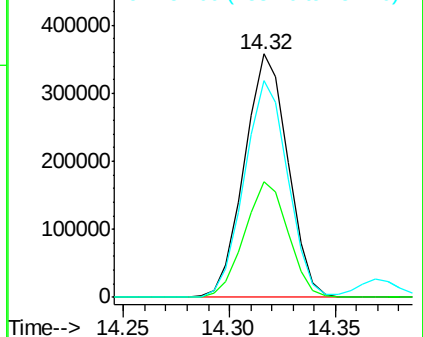
153 100

152 47.4 39.0 58.6

154 88.8 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: 20.411 ng/ul

RT: 15.30 min Scan# 2094

Delta R.T. 0.00 min

Lab File: BN000887.D

Acq: 25 Apr 2018 12:26

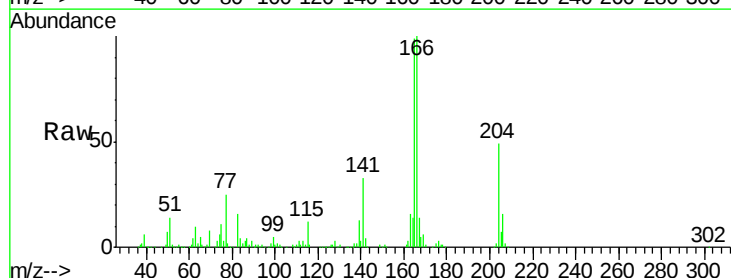
Tgt Ion:166 Resp: 543504

Ion Ratio Lower Upper

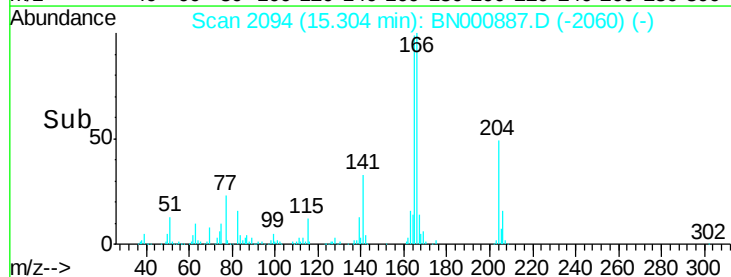
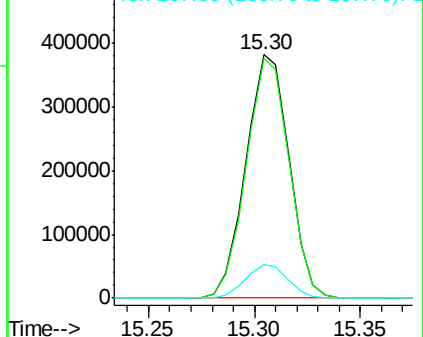
166 100

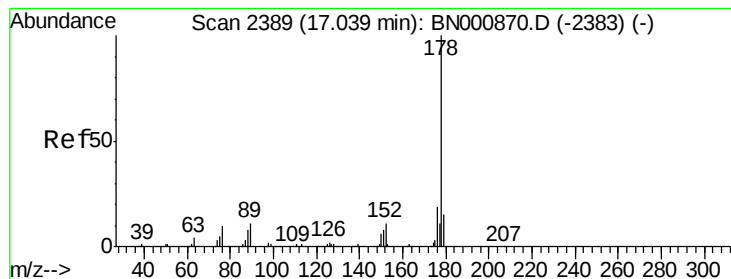
165 98.7 83.8 125.8

167 14.0 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: 20.050 ng/ul

RT: 17.05 min Scan# 2390

Delta R.T. 0.01 min

Lab File: BN000887.D

Acq: 25 Apr 2018 12:26

Instrument :

BNA_N

ClientSampleId :

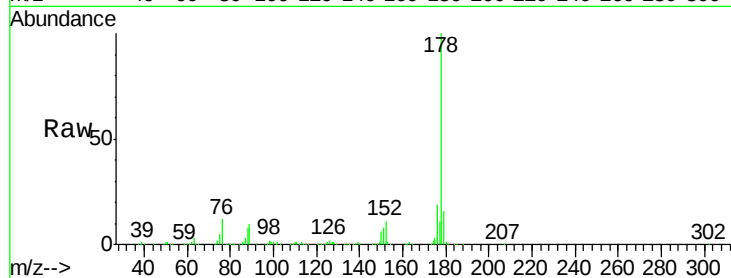
Tot Ion:178 Resp: 813371

Ion Ratio Lower Upper

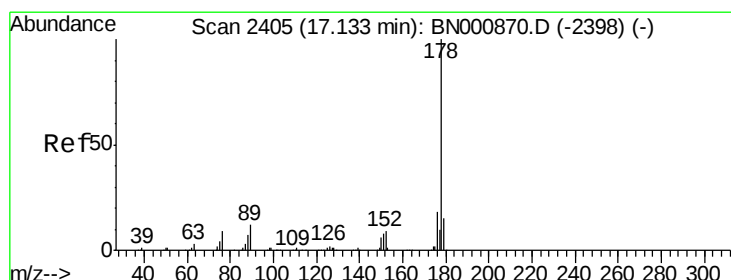
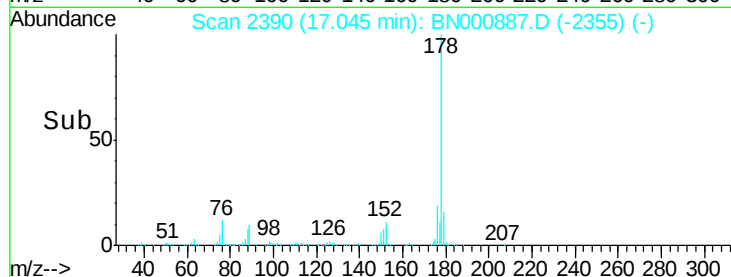
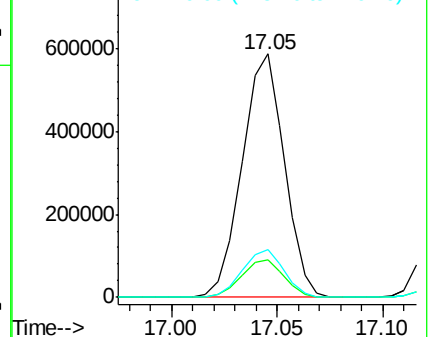
178 100

179 15.6 12.3 18.5

176 19.5 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: 20.524 ng/ul

RT: 17.13 min Scan# 2405

Delta R.T. 0.00 min

Lab File: BN000887.D

Acq: 25 Apr 2018 12:26

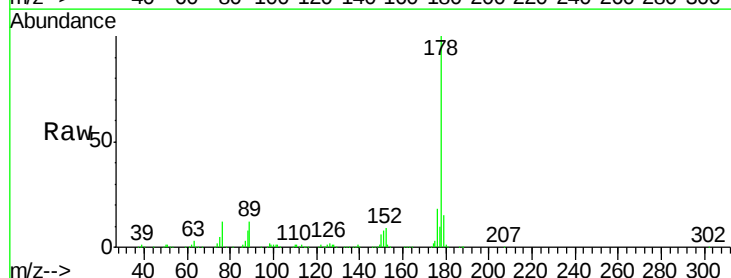
Tgt Ion:178 Resp: 835136

Ion Ratio Lower Upper

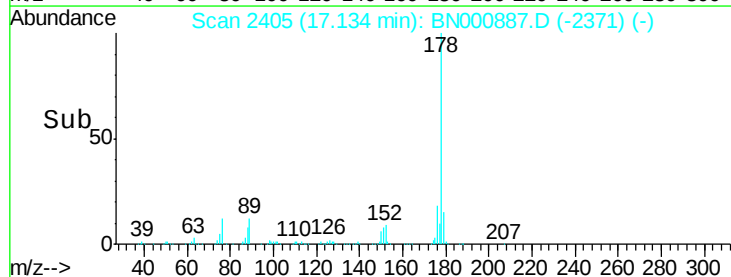
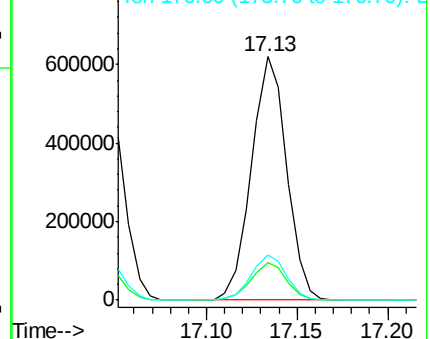
178 100

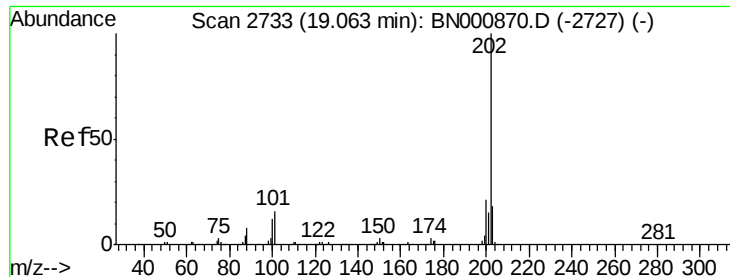
179 15.4 11.8 17.8

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: 21.666 ng/ul

RT: 19.07 min Scan# 2734

Delta R.T. 0.01 min

Lab File: BN000887.D

Acq: 25 Apr 2018 12:26

Instrument :

BNA_N

ClientSampleId :

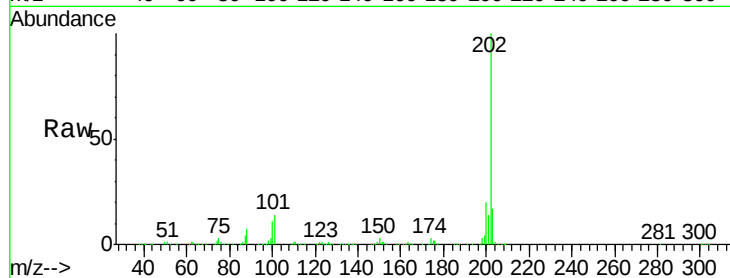
Tot Ion:202 Resp: 891753

Ion Ratio Lower Upper

202 100

101 14.5 9.9 14.9

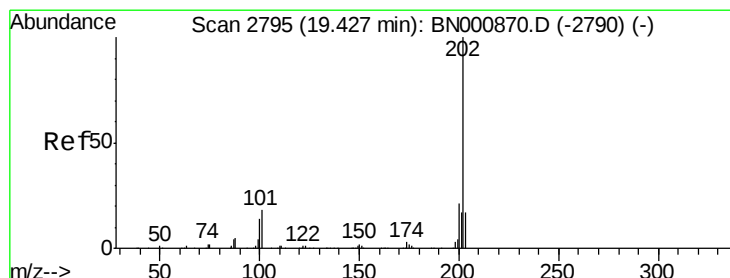
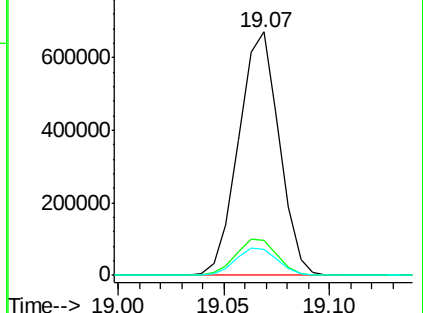
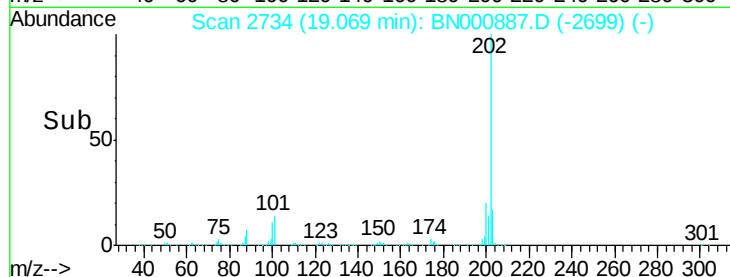
100 10.9 7.4 11.0



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: 19.870 ng/ul

RT: 19.43 min Scan# 2796

Delta R.T. 0.01 min

Lab File: BN000887.D

Acq: 25 Apr 2018 12:26

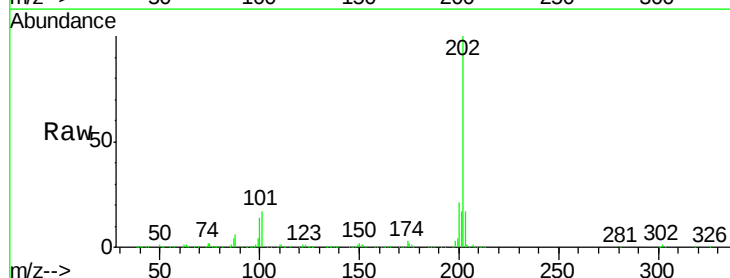
Tgt Ion:202 Resp: 895646

Ion Ratio Lower Upper

202 100

101 16.9 11.0 16.4#

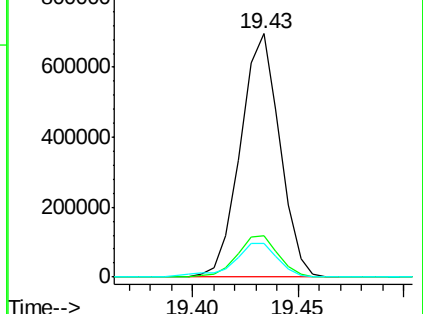
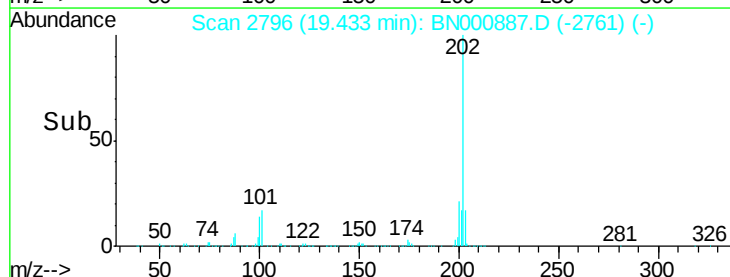
100 13.7 8.1 12.1#

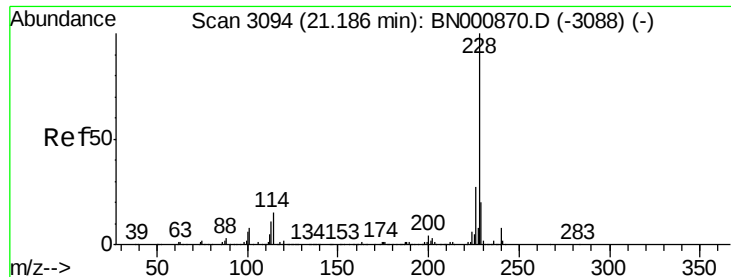


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 20.464 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BN000887.D

Acq: 25 Apr 2018 12:26

Instrument :

BNA_N

ClientSampleId :

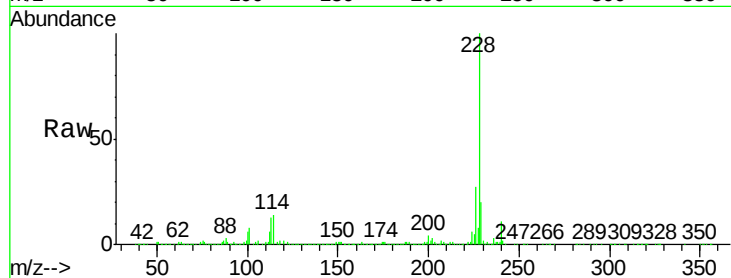
Tot Ion:228 Resp: 858433

Ion Ratio Lower Upper

228 100

229 20.1 15.7 23.5

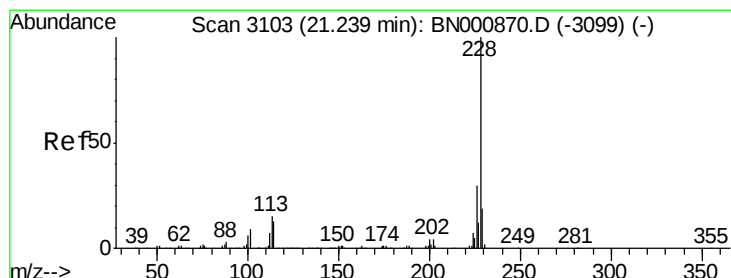
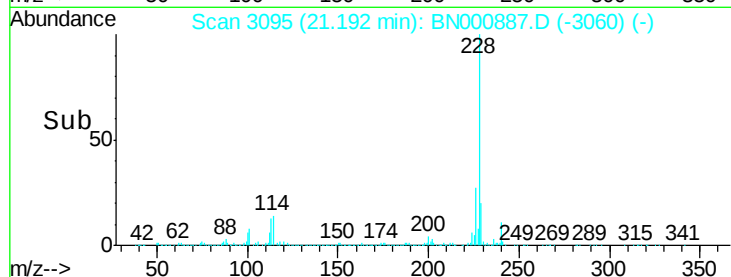
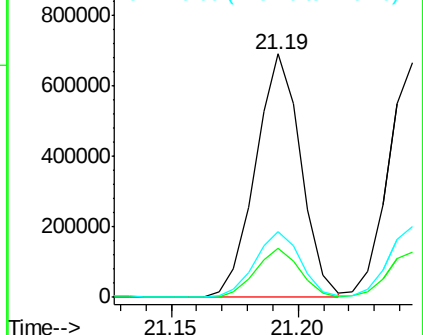
226 27.0 21.1 31.7



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: 20.491 ng/ul

RT: 21.25 min Scan# 3104

Delta R.T. 0.01 min

Lab File: BN000887.D

Acq: 25 Apr 2018 12:26

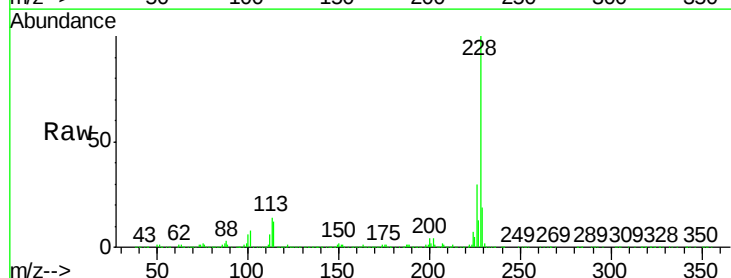
Tgt Ion:228 Resp: 807895

Ion Ratio Lower Upper

228 100

226 29.9 24.5 36.7

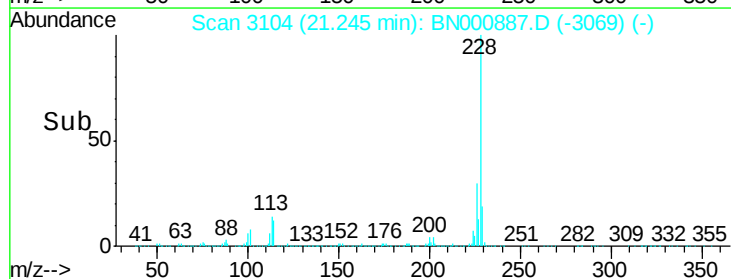
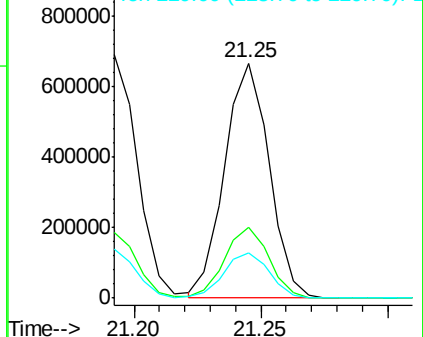
229 19.5 15.8 23.8

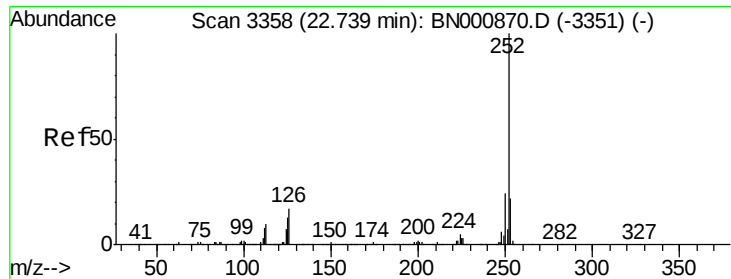


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 19.814 ng/ul

RT: 22.75 min Scan# 3359

Delta R.T. 0.01 min

Lab File: BN000887.D

Acq: 25 Apr 2018 12:26

Instrument :

BNA_N

ClientSampleId :

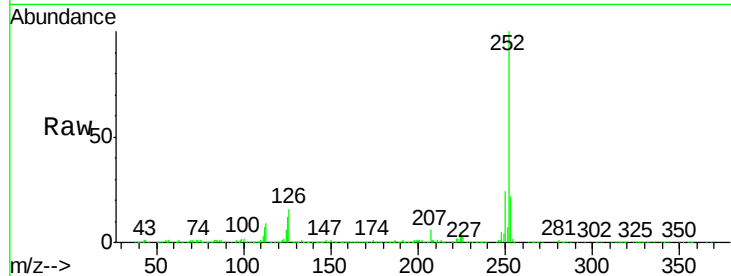
Tot Ion:252 Resp: 850122

Ion Ratio Lower Upper

252 100

253 21.5 18.0 27.0

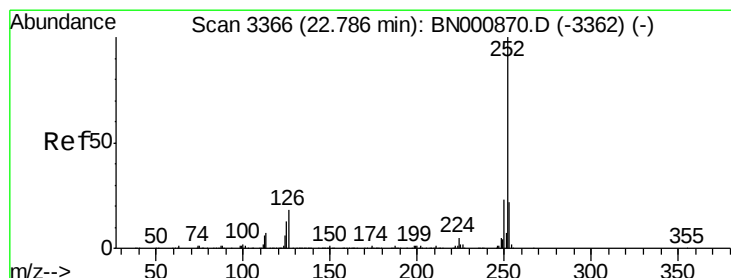
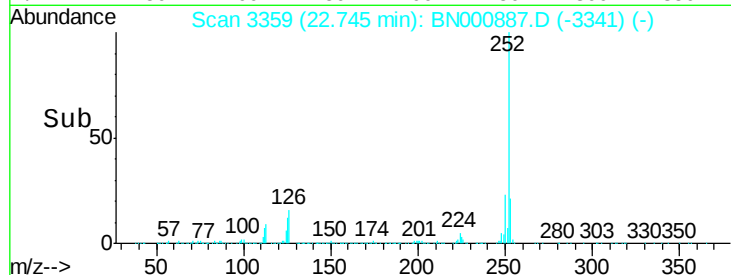
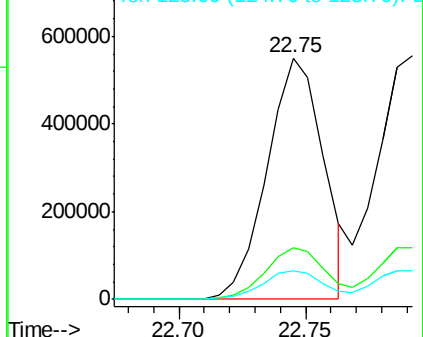
125 12.0 8.0 12.0



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: 20.971 ng/ul

RT: 22.79 min Scan# 3367

Delta R.T. 0.01 min

Lab File: BN000887.D

Acq: 25 Apr 2018 12:26

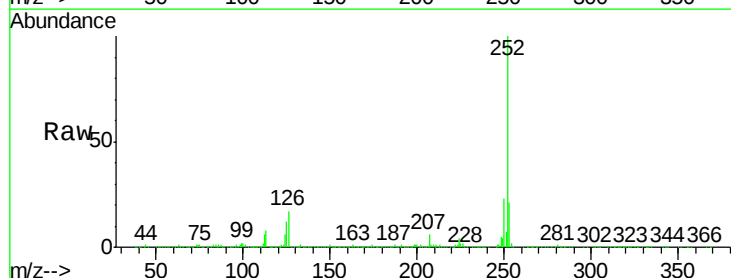
Tgt Ion:252 Resp: 880464

Ion Ratio Lower Upper

252 100

253 21.3 18.0 27.0

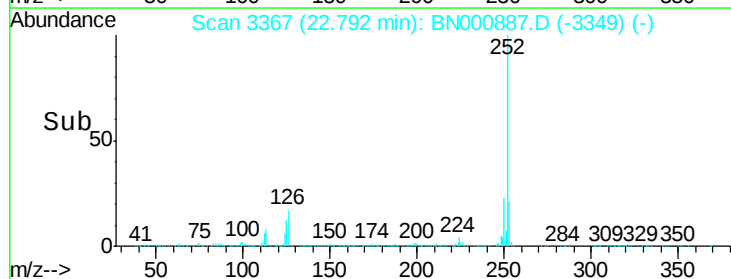
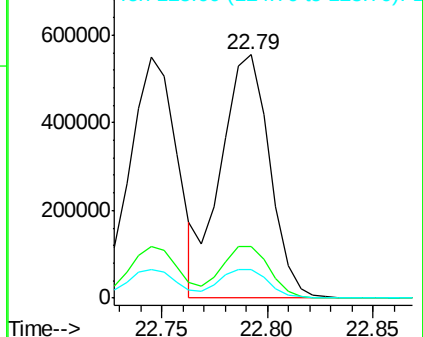
125 11.8 8.1 12.1

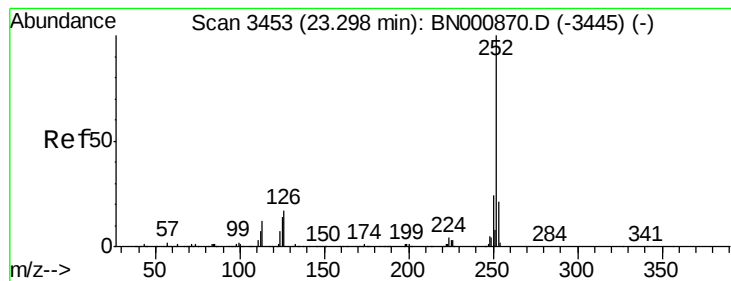


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 20.639 ng/ul

RT: 23.30 min Scan# 3454

Delta R.T. 0.01 min

Lab File: BN000887.D

Acq: 25 Apr 2018 12:26

Instrument :

BNA_N

ClientSampleId :

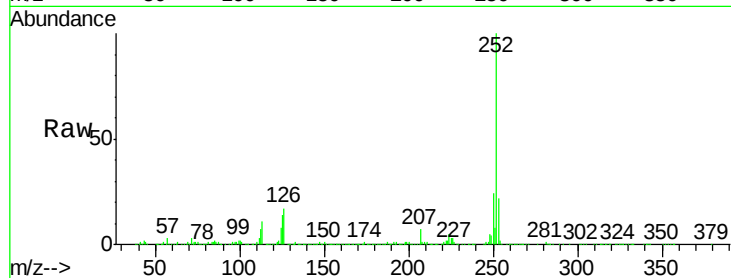
Tot Ion:252 Resp: 846291

Ion Ratio Lower Upper

252 100

253 21.6 17.2 25.8

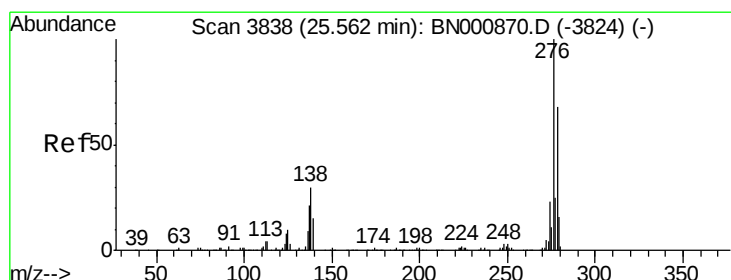
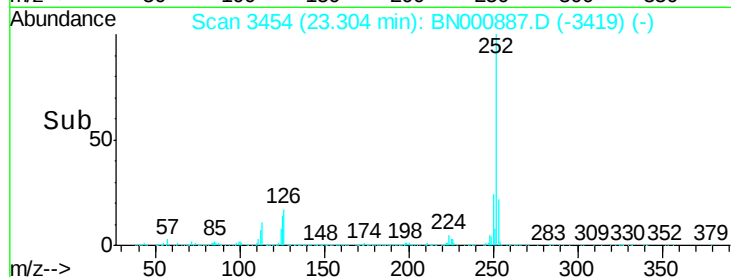
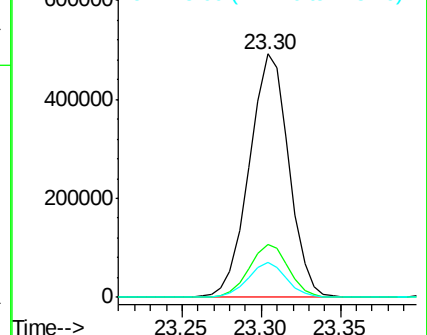
125 14.2 8.2 12.4#



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: 20.914 ng/ul

RT: 25.58 min Scan# 3841

Delta R.T. 0.02 min

Lab File: BN000887.D

Acq: 25 Apr 2018 12:26

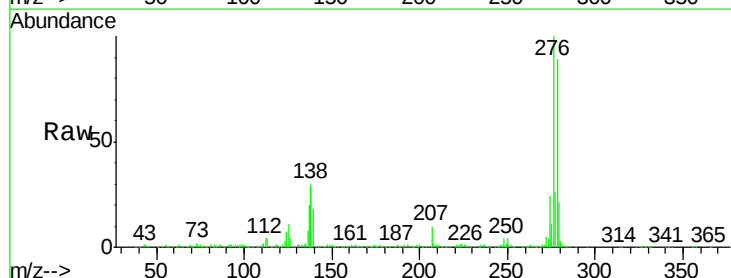
Tgt Ion:276 Resp: 1035801

Ion Ratio Lower Upper

276 100

138 29.6 14.4 21.6#

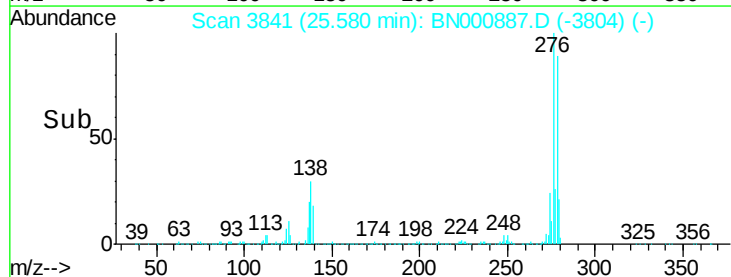
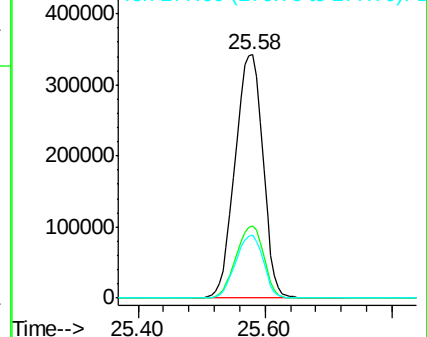
277 26.0 18.0 27.0

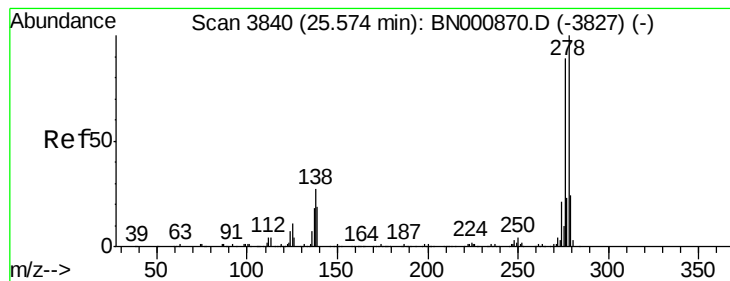


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 20.818 ng/ul

RT: 25.59 min Scan# 3842

Delta R.T. 0.01 min

Lab File: BN000887.D

Acq: 25 Apr 2018 12:26

Instrument :

BNA_N

ClientSampleId :

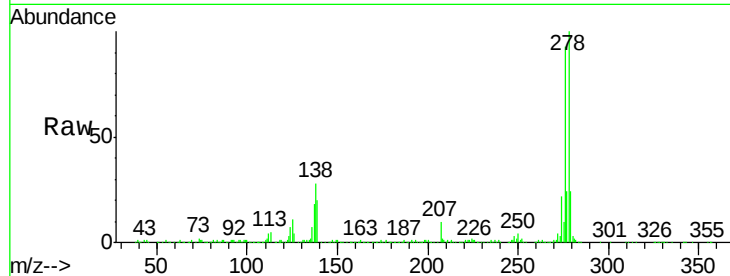
Tot Ion:278 Resp: 859311

Ion Ratio Lower Upper

278 100

139 19.7 12.2 18.4#

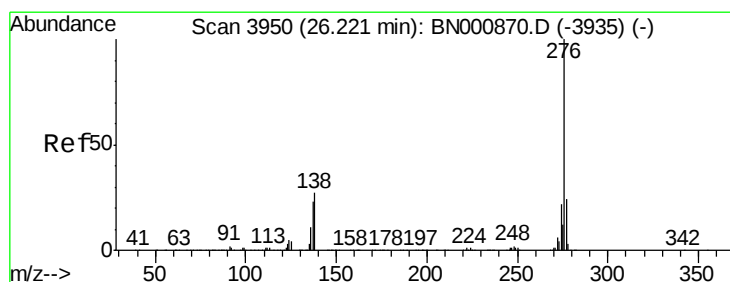
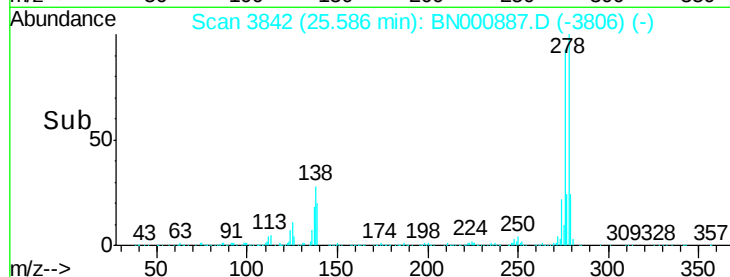
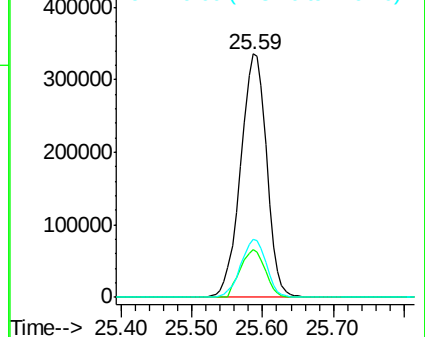
279 23.9 19.2 28.8



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(g,h,i)perylene

Concen: 20.937 ng/ul

RT: 26.24 min Scan# 3953

Delta R.T. 0.02 min

Lab File: BN000887.D

Acq: 25 Apr 2018 12:26

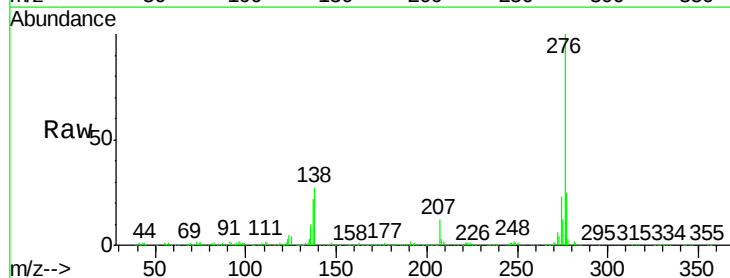
Tgt Ion:276 Resp: 867276

Ion Ratio Lower Upper

276 100

138 26.6 15.3 22.9#

277 24.7 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

