

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031618\
 Data File : BN000437.D
 Acq On : 16 Mar 2018 09:06
 Operator : JU/SJ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 16 15:28:32 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 16 06:47:18 2018
 Response via : Initial Calibration

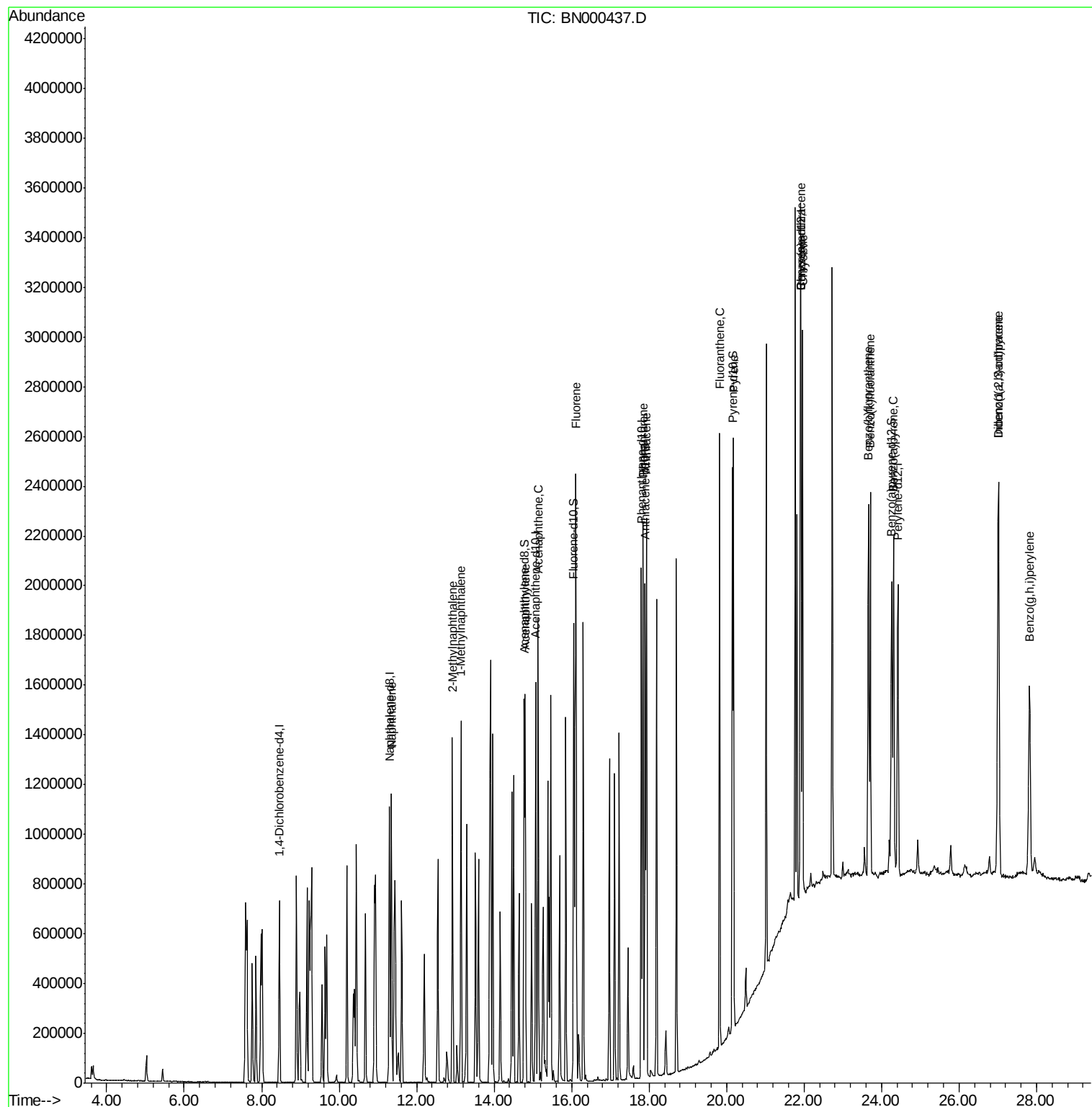
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	196144	20.00	ng/ul	0.00
2) Naphthalene-d8	11.30	136	937189	20.00	ng/ul	0.01
6) Acenaphthene-d10	15.07	164	527659	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.80	188	1136689	20.00	ng/ul	0.01
17) Chrysene-d12	21.92	240	931643	20.00	ng/ul	0.01
22) Perylene-d12	24.42	264	871893	20.00	ng/ul	0.02
System Monitoring Compounds						
7) Acenaphthylene-d8	14.77	160	1058758	20.22	ng/ul	0.00
10) Fluorene-d10	16.05	176	694183	19.57	ng/ul	0.00
14) Anthracene-d10	17.90	188	1057134	19.90	ng/ul	0.00
18) Pyrene-d10	20.15	212	1046585	22.96	ng/ul	0.01
25) Benzo(a)pyrene-d12	24.26	264	791698	19.88	ng/ul	0.02
Target Compounds				Ovalue		
3) Naphthalene	11.35	128	965306	19.518	ng/ul	99
4) 2-Methylnaphthalene	12.93	142	661561	19.003	ng/ul	97
5) 1-Methylnaphthalene	13.14	142	664392	19.017	ng/ul#	94
8) Acenaphthylene	14.80	152	1036709	19.699	ng/ul	99
9) Acenaphthene	15.14	153	705476	19.260	ng/ul	96
11) Fluorene	16.11	166	789913	19.553	ng/ul	94
13) Phenanthrene	17.84	178	1250420	19.182	ng/ul	99
15) Anthracene	17.93	178	1299429	19.645	ng/ul	99
16) Fluoranthene	19.82	202	1359520	19.302	ng/ul#	93
19) Pyrene	20.18	202	1341947	22.815	ng/ul#	92
20) Benzo(a)anthracene	21.91	228	1154847	19.939	ng/ul	98
21) Chrysene	21.96	228	1077331	19.601	ng/ul	99
23) Benzo(b)fluoranthene	23.66	252	1011285	19.451	ng/ul#	96
24) Benzo(k)fluoranthene	23.71	252	1045827	21.490	ng/ul#	96
26) Benzo(a)pyrene	24.31	252	980979	19.825	ng/ul#	94
27) Indeno(1,2,3-cd)pyrene	27.01	276	1083246	20.303	ng/ul#	80
28) Dibenzo(a,h)anthracene	27.02	278	909646	20.801	ng/ul#	93
29) Benzo(g,h,i)perylene	27.82	276	903928	20.291	ng/ul#	89

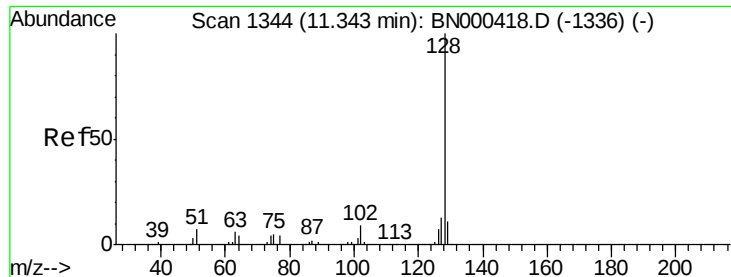
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031618\
Data File : BN000437.D
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Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Mar 16 15:28:32 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 16 06:47:18 2018
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#3

Naphthalene

Concen: 19.518 ng/ul

RT: 11.35 min Scan# 1345

Delta R.T. 0.01 min

Lab File: BN000437.D

Acq: 16 Mar 2018 09:06

Instrument :

BNA_N

ClientSampleId :

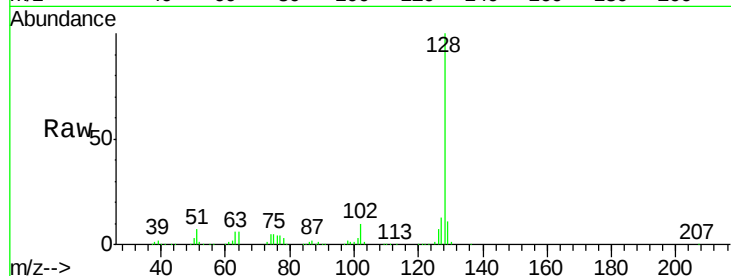
Tot Ion:128 Resp: 965306

Ion Ratio Lower Upper

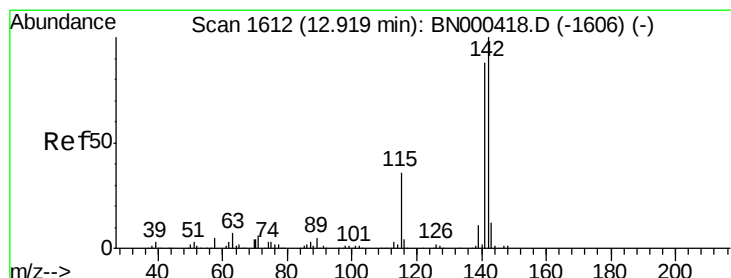
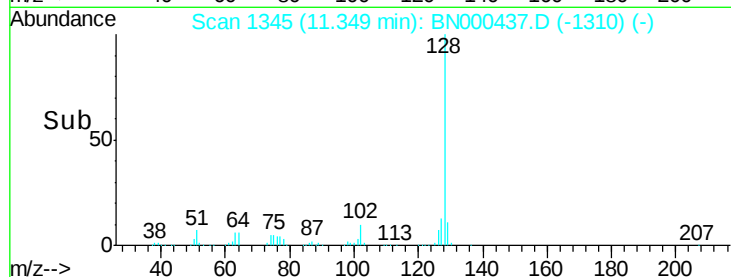
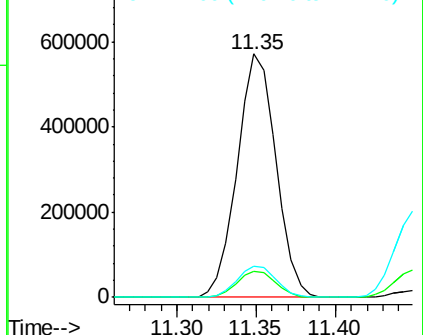
128 100

129 10.8 8.7 13.1

127 13.0 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: 19.003 ng/ul

RT: 12.93 min Scan# 1614

Delta R.T. 0.01 min

Lab File: BN000437.D

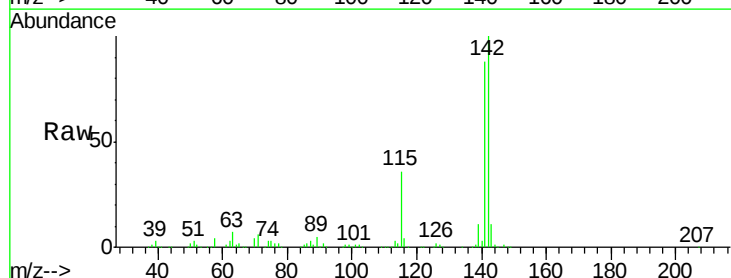
Acq: 16 Mar 2018 09:06

Tgt Ion:142 Resp: 661561

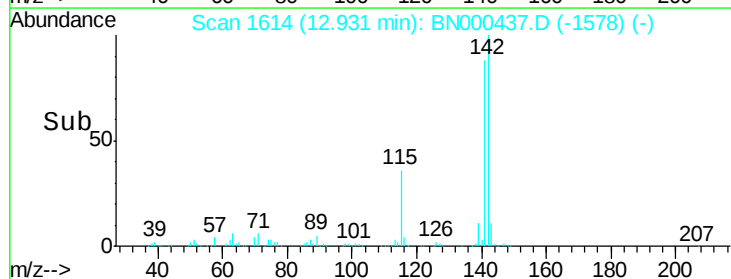
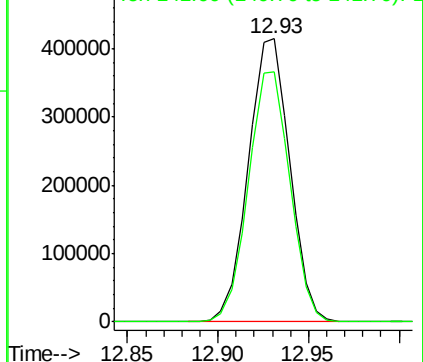
Ion Ratio Lower Upper

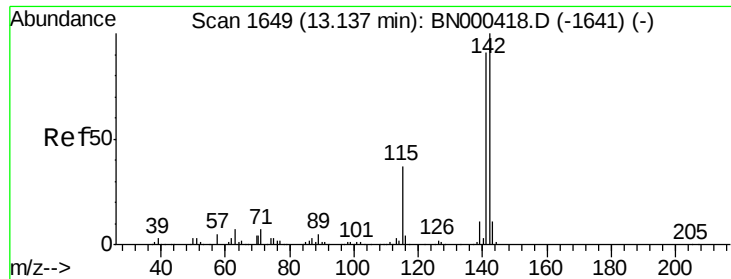
142 100

141 88.4 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: 19.017 ng/ul

RT: 13.14 min Scan# 1650

Delta R.T. 0.01 min

Lab File: BN000437.D

Acq: 16 Mar 2018 09:06

Instrument :

BNA_N

ClientSampleId :

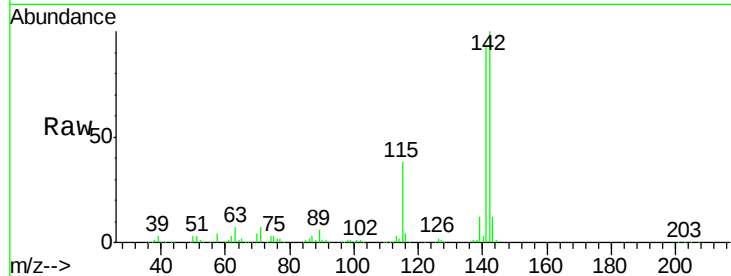
Tot Ion:142 Resp: 664392

Ion Ratio Lower Upper

142 100

141 92.6 79.3 118.9

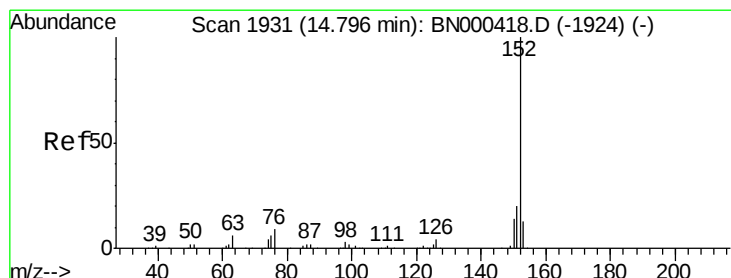
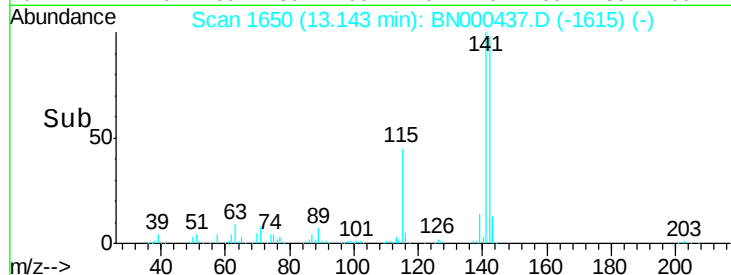
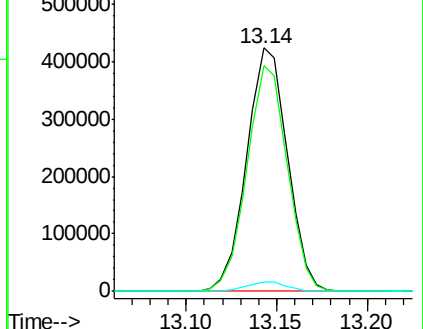
116 4.0 4.2 6.2#



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: 19.699 ng/ul

RT: 14.80 min Scan# 1932

Delta R.T. 0.01 min

Lab File: BN000437.D

Acq: 16 Mar 2018 09:06

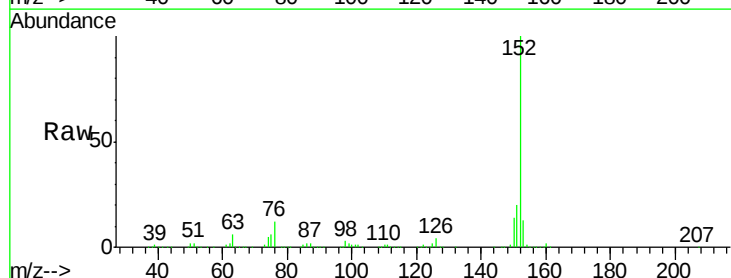
Tgt Ion:152 Resp: 1036709

Ion Ratio Lower Upper

152 100

151 20.1 16.7 25.1

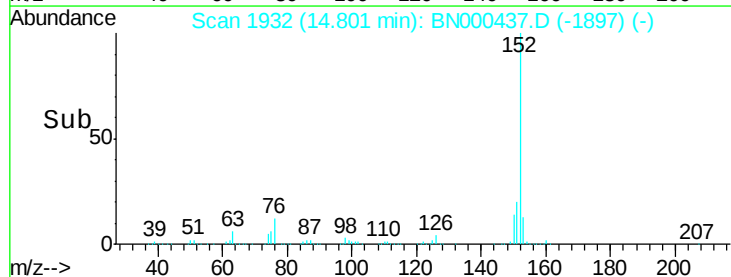
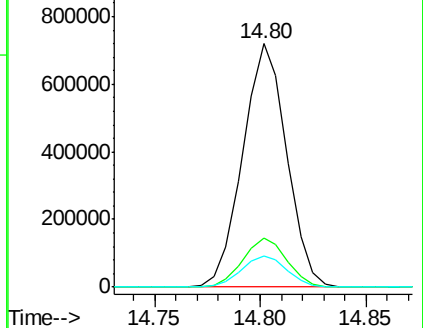
153 13.0 10.2 15.4

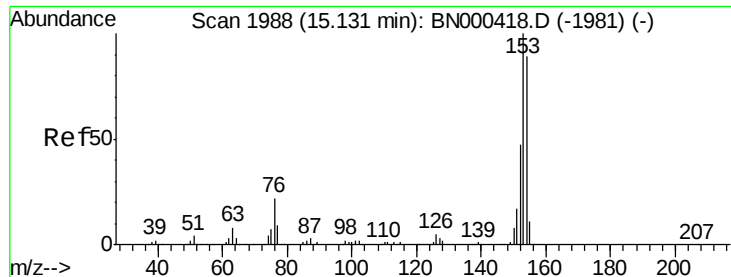


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 19.260 ng/ul

RT: 15.14 min Scan# 1989

Delta R.T. 0.01 min

Lab File: BN000437.D

Acq: 16 Mar 2018 09:06

Instrument :

BNA_N

ClientSampleId :

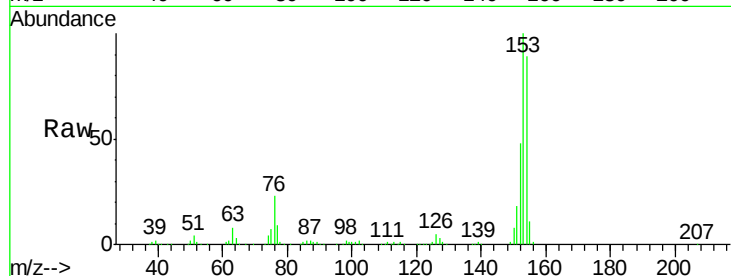
Tot Ion:153 Resp: 705476

Ion Ratio Lower Upper

153 100

152 47.9 39.0 58.6

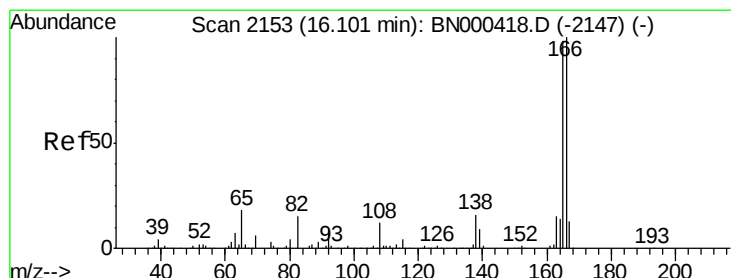
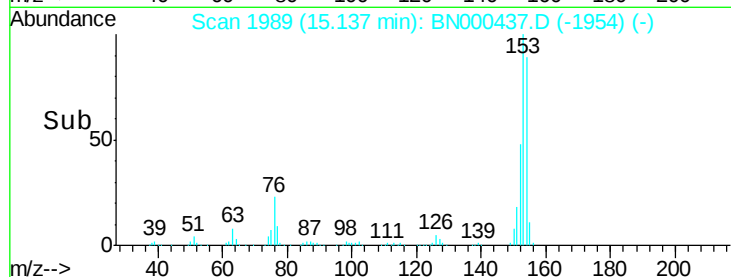
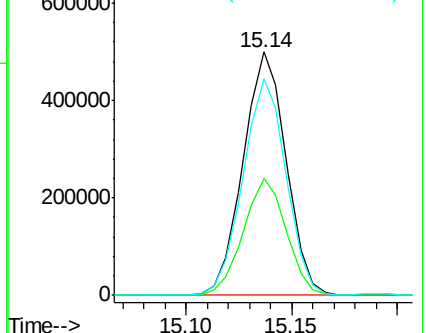
154 88.8 66.8 100.2



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: 19.553 ng/ul

RT: 16.11 min Scan# 2155

Delta R.T. 0.01 min

Lab File: BN000437.D

Acq: 16 Mar 2018 09:06

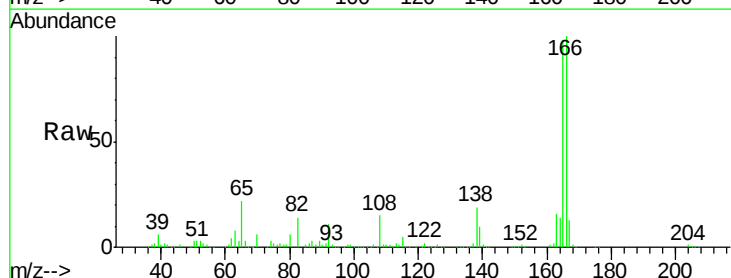
Tgt Ion:166 Resp: 789913

Ion Ratio Lower Upper

166 100

165 98.1 83.8 125.8

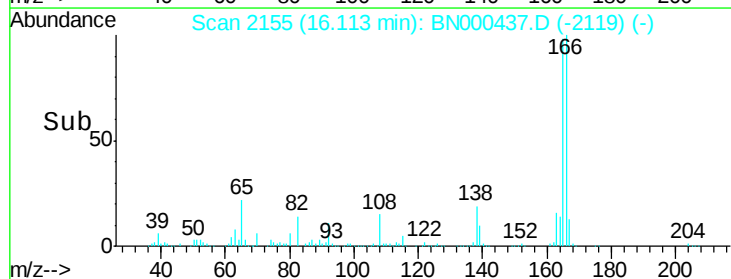
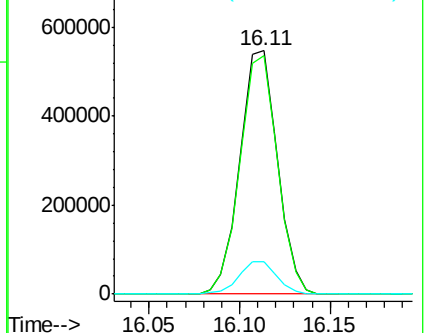
167 13.3 11.5 17.3

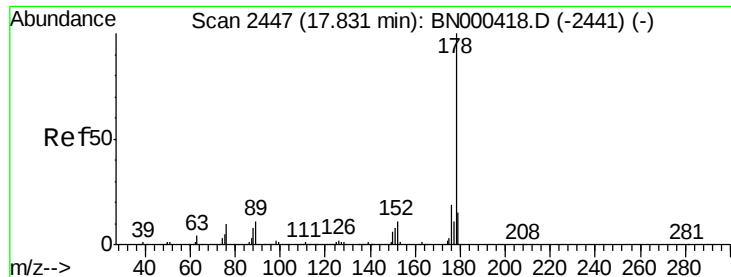


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 19.182 ng/ul

RT: 17.84 min Scan# 2449

Delta R.T. 0.01 min

Lab File: BN000437.D

Acq: 16 Mar 2018 09:06

Instrument :

BNA_N

ClientSampleId :

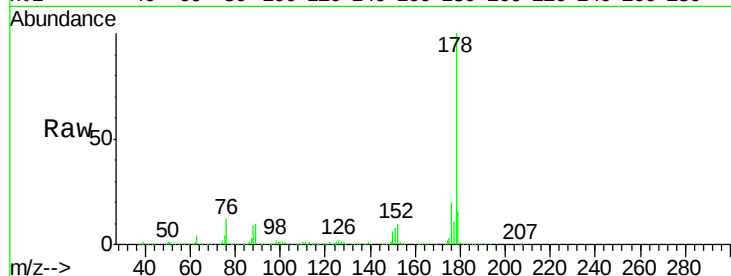
Tot Ion:178 Resp: 1250420

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

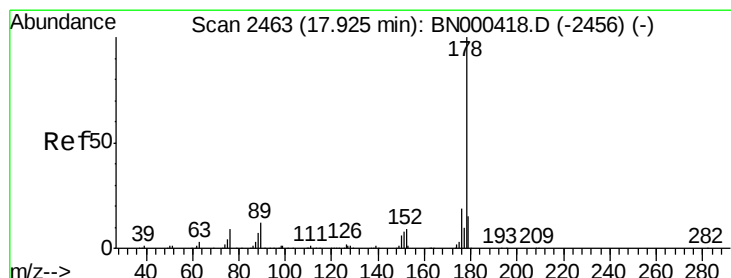
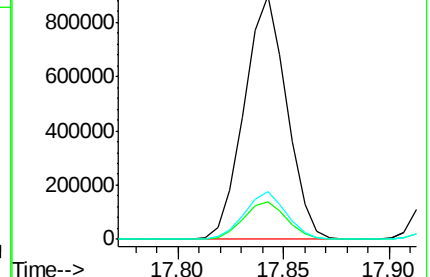
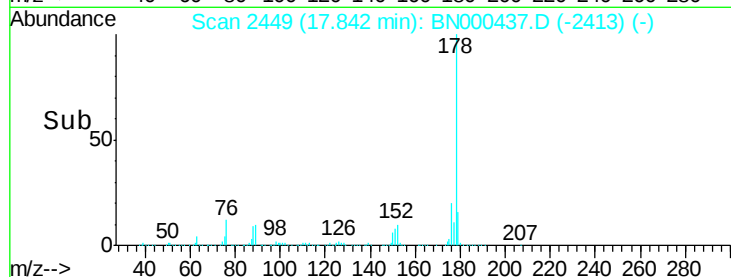
176 19.5 15.1 22.7



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: 19.645 ng/ul

RT: 17.93 min Scan# 2464

Delta R.T. 0.01 min

Lab File: BN000437.D

Acq: 16 Mar 2018 09:06

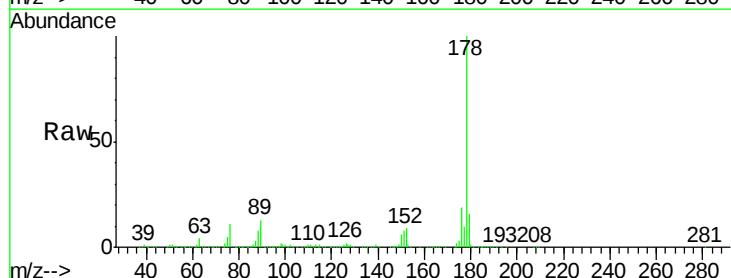
Tgt Ion:178 Resp: 1299429

Ion Ratio Lower Upper

178 100

179 15.7 11.8 17.8

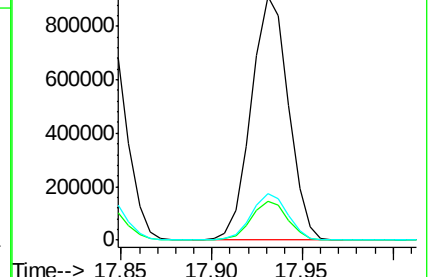
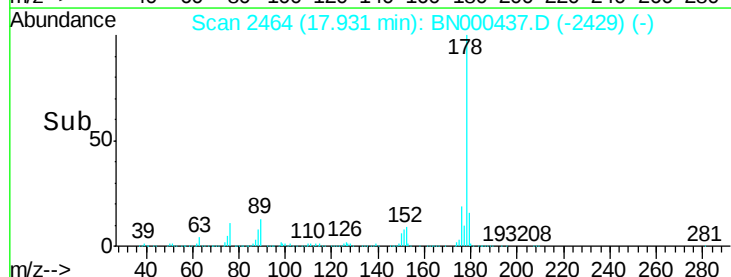
176 19.2 15.2 22.8

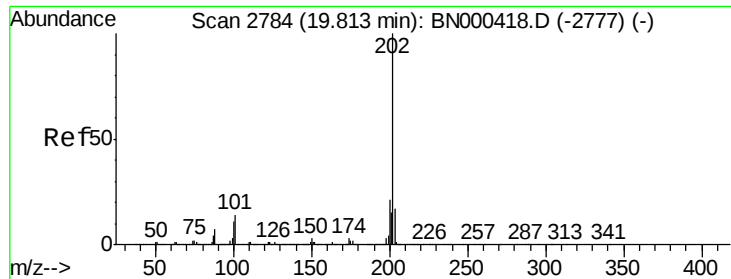


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 19.302 ng/ul

RT: 19.82 min Scan# 2785

Delta R.T. 0.01 min

Lab File: BN000437.D

Acq: 16 Mar 2018 09:06

Instrument :

BNA_N

ClientSampleId :

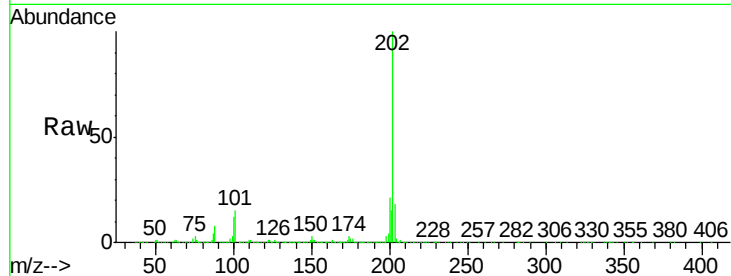
Tot Ion:202 Resp: 1359520

Ion Ratio Lower Upper

202 100

101 15.2 9.9 14.9#

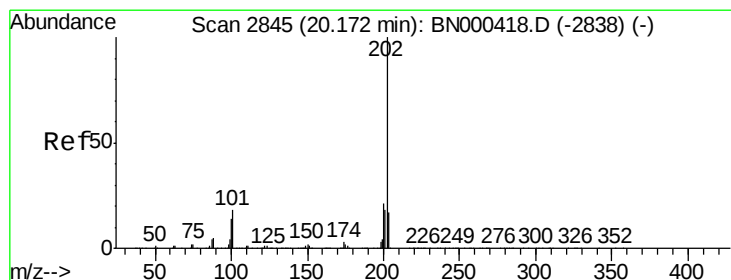
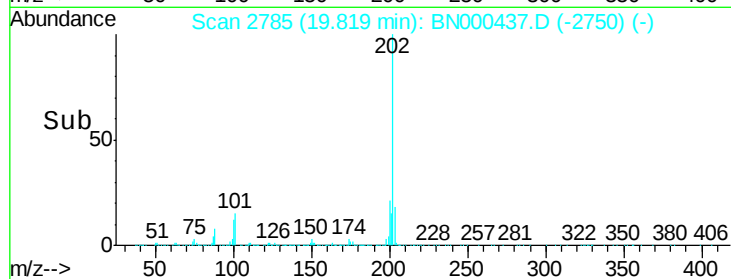
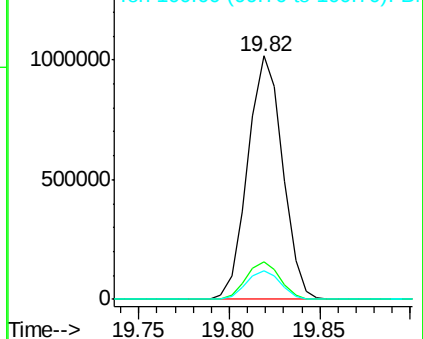
100 11.9 7.4 11.0#



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: 22.815 ng/ul

RT: 20.18 min Scan# 2847

Delta R.T. 0.01 min

Lab File: BN000437.D

Acq: 16 Mar 2018 09:06

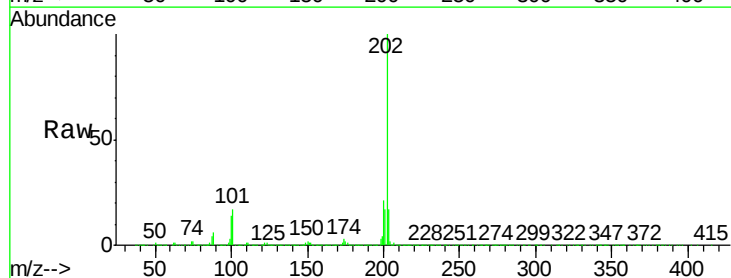
Tgt Ion:202 Resp: 1341947

Ion Ratio Lower Upper

202 100

101 16.6 11.0 16.4#

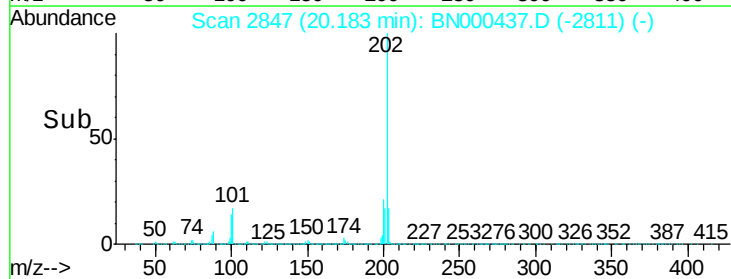
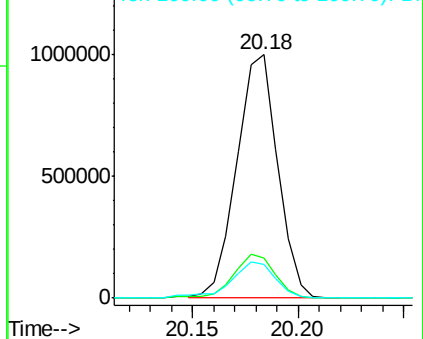
100 13.8 8.1 12.1#

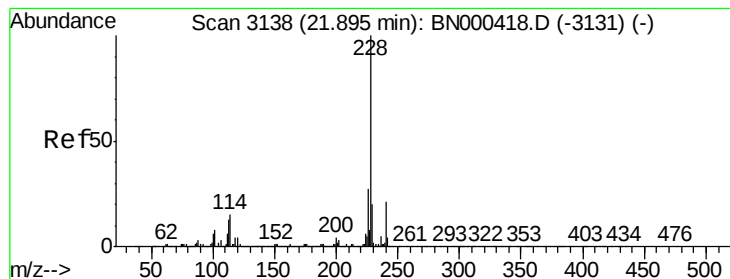


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 19.939 ng/ul

RT: 21.91 min Scan# 3140

Delta R.T. 0.01 min

Lab File: BN000437.D

Acq: 16 Mar 2018 09:06

Instrument :

BNA_N

ClientSampled :

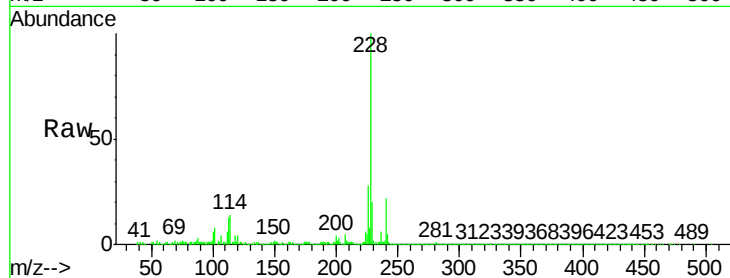
Tot Ion:228 Resp: 1154847

Ion Ratio Lower Upper

228 100

229 20.1 15.7 23.5

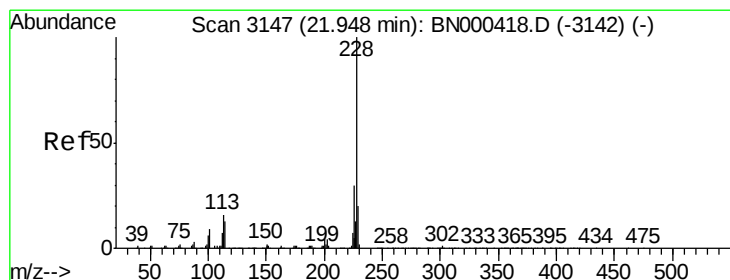
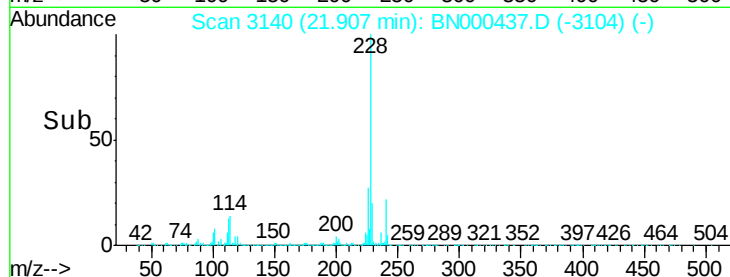
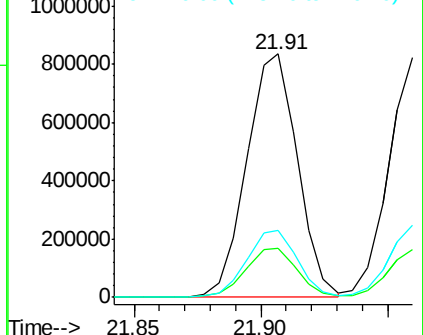
226 27.6 21.1 31.7



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: 19.601 ng/ul

RT: 21.96 min Scan# 3149

Delta R.T. 0.01 min

Lab File: BN000437.D

Acq: 16 Mar 2018 09:06

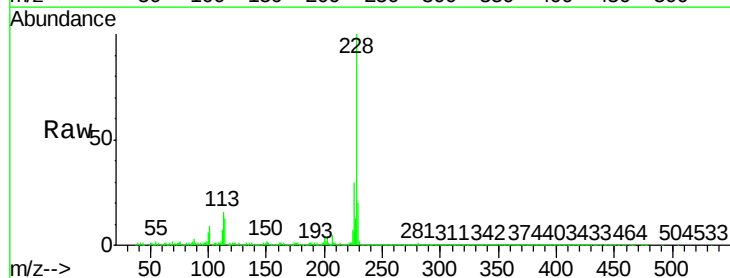
Tgt Ion:228 Resp: 1077331

Ion Ratio Lower Upper

228 100

226 29.9 24.5 36.7

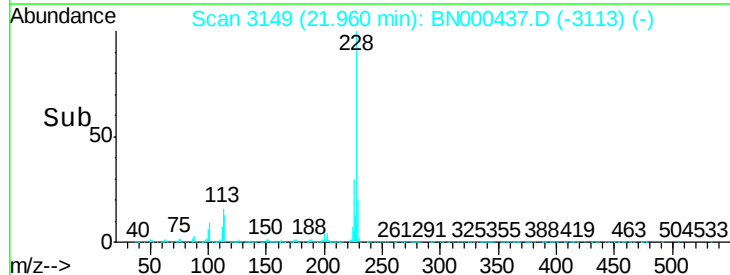
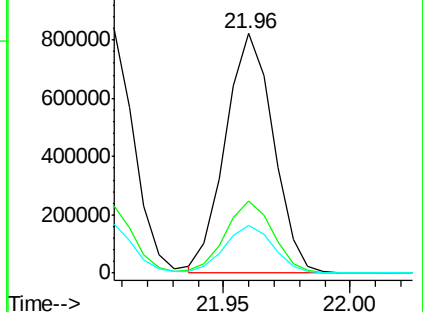
229 19.8 15.8 23.8

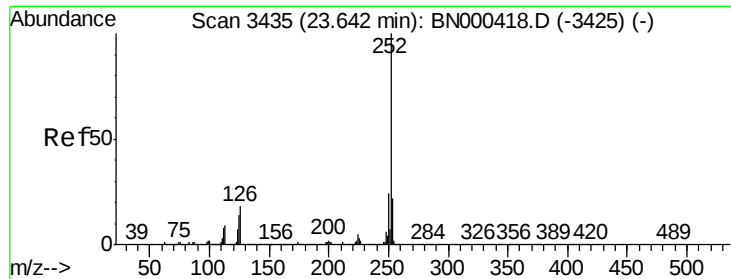


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 19.451 ng/ul

RT: 23.66 min Scan# 3438

Delta R.T. 0.02 min

Lab File: BN000437.D

Acq: 16 Mar 2018 09:06

Instrument :

BNA_N

ClientSampleId :

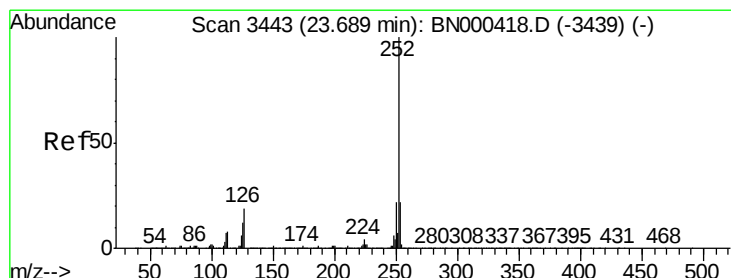
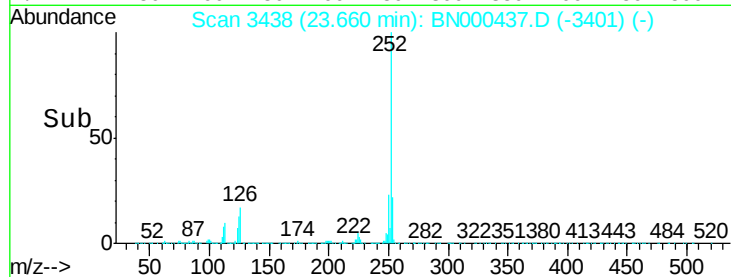
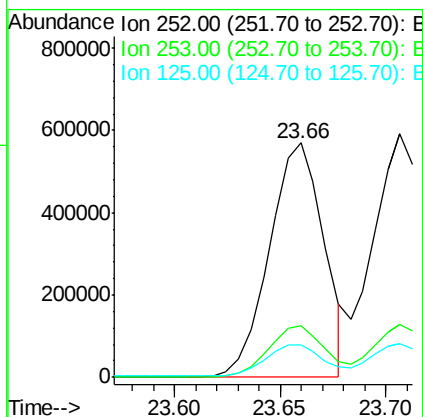
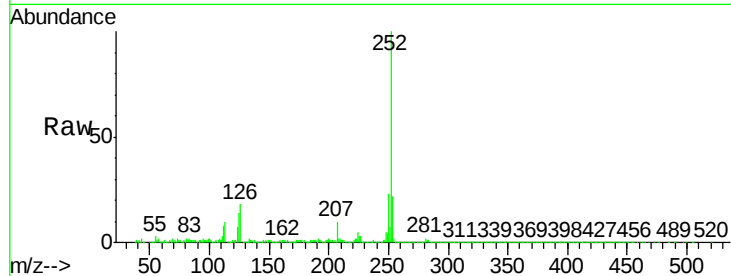
Tot Ion:252 Resp: 1011285

Ion Ratio Lower Upper

252 100

253 21.8 18.0 27.0

125 13.9 8.0 12.0#



#24

Benzo(k)fluoranthene

Concen: 21.490 ng/ul

RT: 23.71 min Scan# 3446

Delta R.T. 0.02 min

Lab File: BN000437.D

Acq: 16 Mar 2018 09:06

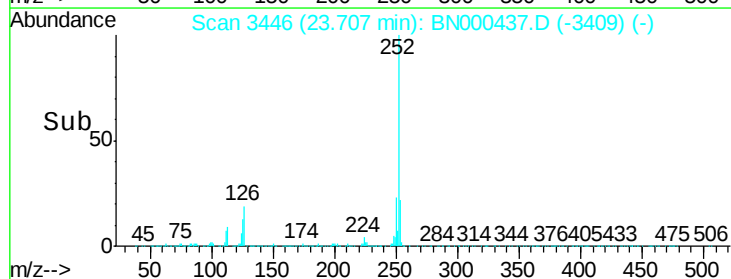
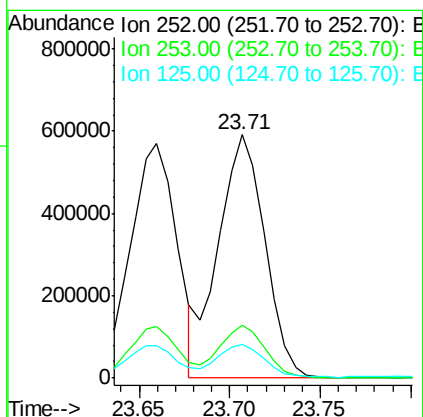
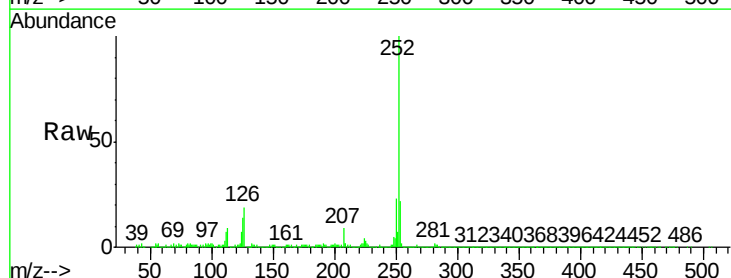
Tgt Ion:252 Resp: 1045827

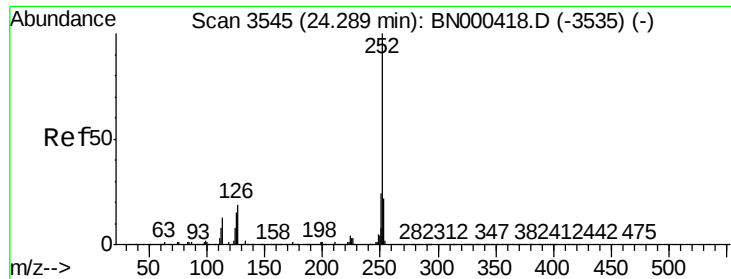
Ion Ratio Lower Upper

252 100

253 21.8 18.0 27.0

125 13.7 8.1 12.1#





#26

Benzo(a)pyrene

Concen: 19.825 ng/ul

RT: 24.31 min Scan# 3549

Delta R.T. 0.02 min

Lab File: BN000437.D

Acq: 16 Mar 2018 09:06

Instrument :

BNA_N

ClientSampleId :

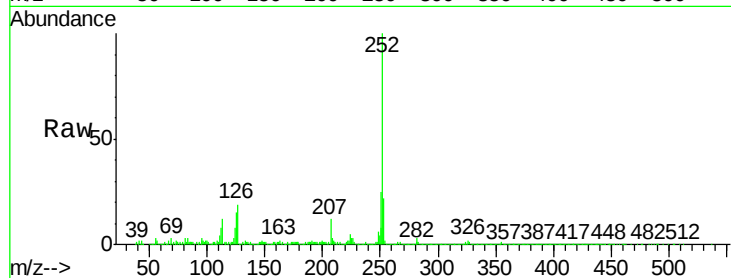
Tot Ion:252 Resp: 980979

Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

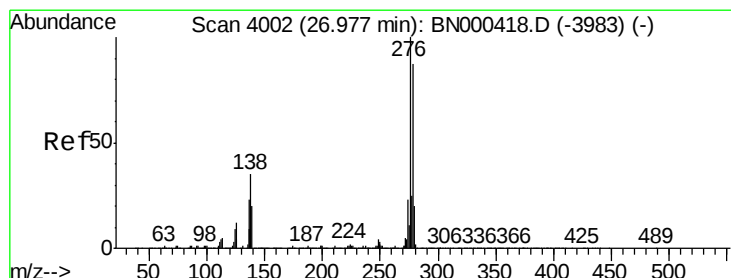
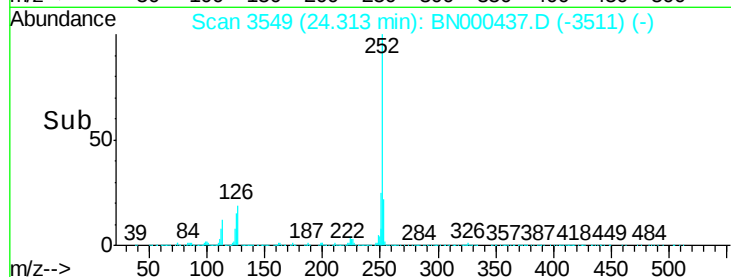
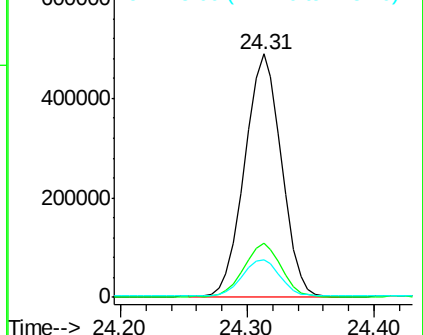
125 15.3 8.2 12.4#



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: 20.303 ng/ul

RT: 27.01 min Scan# 4008

Delta R.T. 0.04 min

Lab File: BN000437.D

Acq: 16 Mar 2018 09:06

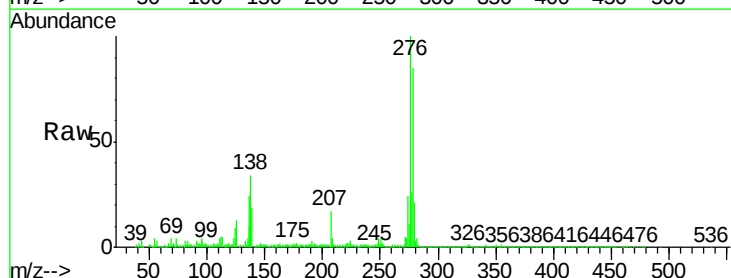
Tgt Ion:276 Resp: 1083246

Ion Ratio Lower Upper

276 100

138 33.7 14.4 21.6#

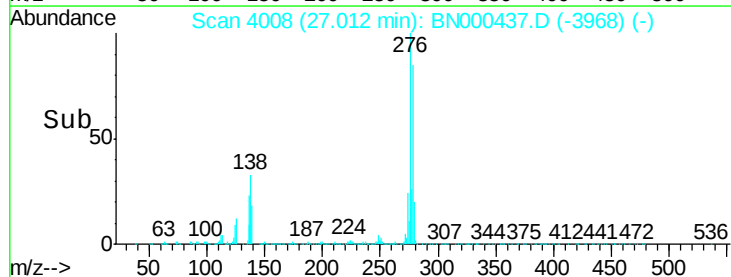
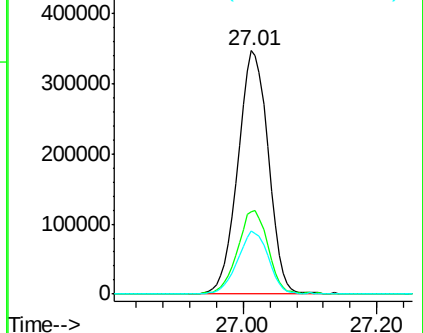
277 25.9 18.0 27.0

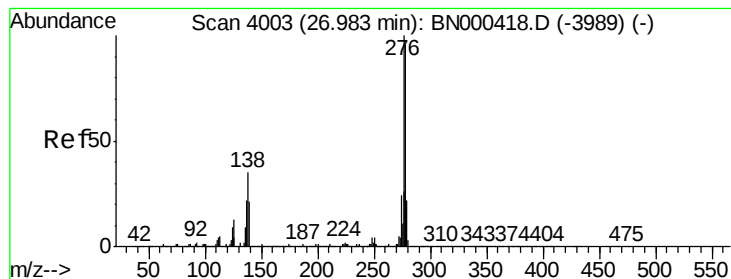


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 20.801 ng/ul

RT: 27.02 min Scan# 4009

Delta R.T. 0.04 min

Lab File: BN000437.D

Acq: 16 Mar 2018 09:06

Instrument :

BNA_N

ClientSampleId :

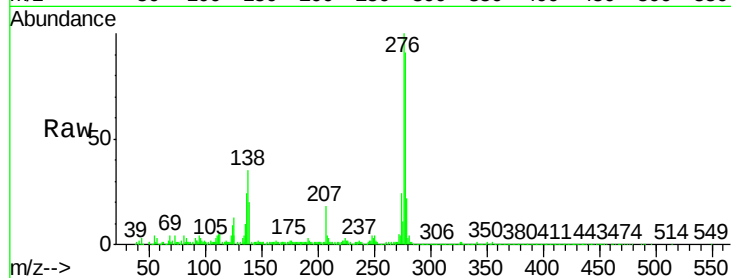
Tot Ion:278 Resp: 909646

Ion Ratio Lower Upper

278 100

139 22.2 12.2 18.4#

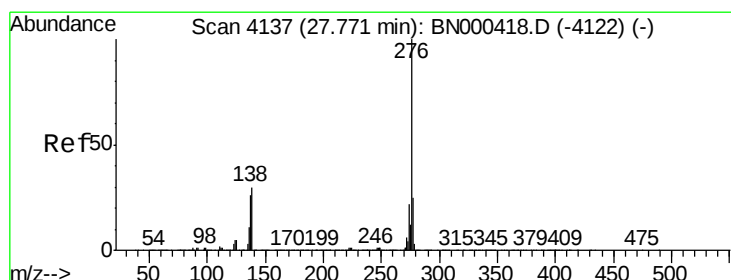
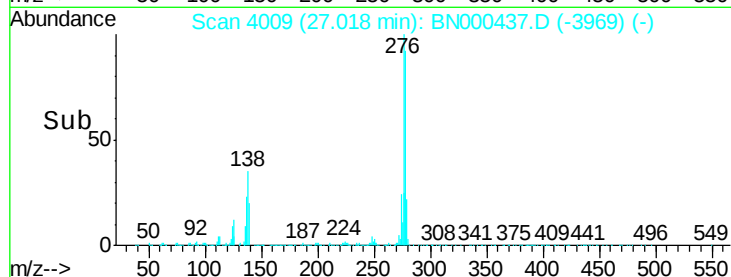
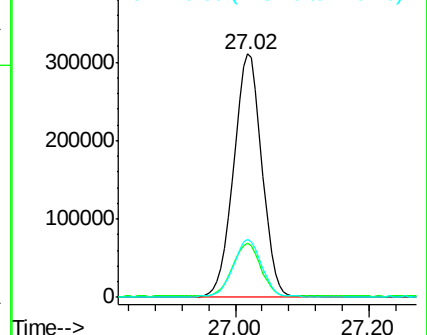
279 23.9 19.2 28.8



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: 20.291 ng/ul

RT: 27.82 min Scan# 4145

Delta R.T. 0.05 min

Lab File: BN000437.D

Acq: 16 Mar 2018 09:06

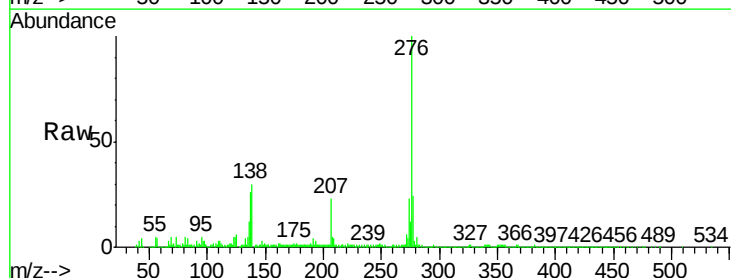
Tgt Ion:276 Resp: 903928

Ion Ratio Lower Upper

276 100

138 30.2 15.3 22.9#

277 23.9 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

