

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031518\
 Data File : BN000432.D
 Acq On : 16 Mar 2018 00:40
 Operator : JU/SJ
 Sample : J1866-08
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 16 06:53:01 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	252895	20.00	ng/ul	0.00
2) Naphthalene-d8	11.30	136	1171646	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.07	164	640501	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.80	188	1344715	20.00	ng/ul	0.00
17) Chrysene-d12	21.92	240	1030176	20.00	ng/ul	0.01
22) Perylene-d12	24.42	264	965506	20.00	ng/ul	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	14.77	160	2002320	31.50	ng/ul	0.00
10) Fluorene-d10	16.05	176	1282661	29.80	ng/ul	0.00
14) Anthracene-d10	17.90	188	1907099	30.35	ng/ul	0.00
18) Pyrene-d10	20.15	212	1804559	35.81	ng/ul	0.01
25) Benzo(a)pyrene-d12	24.27	264	1346568	30.54	ng/ul	0.02

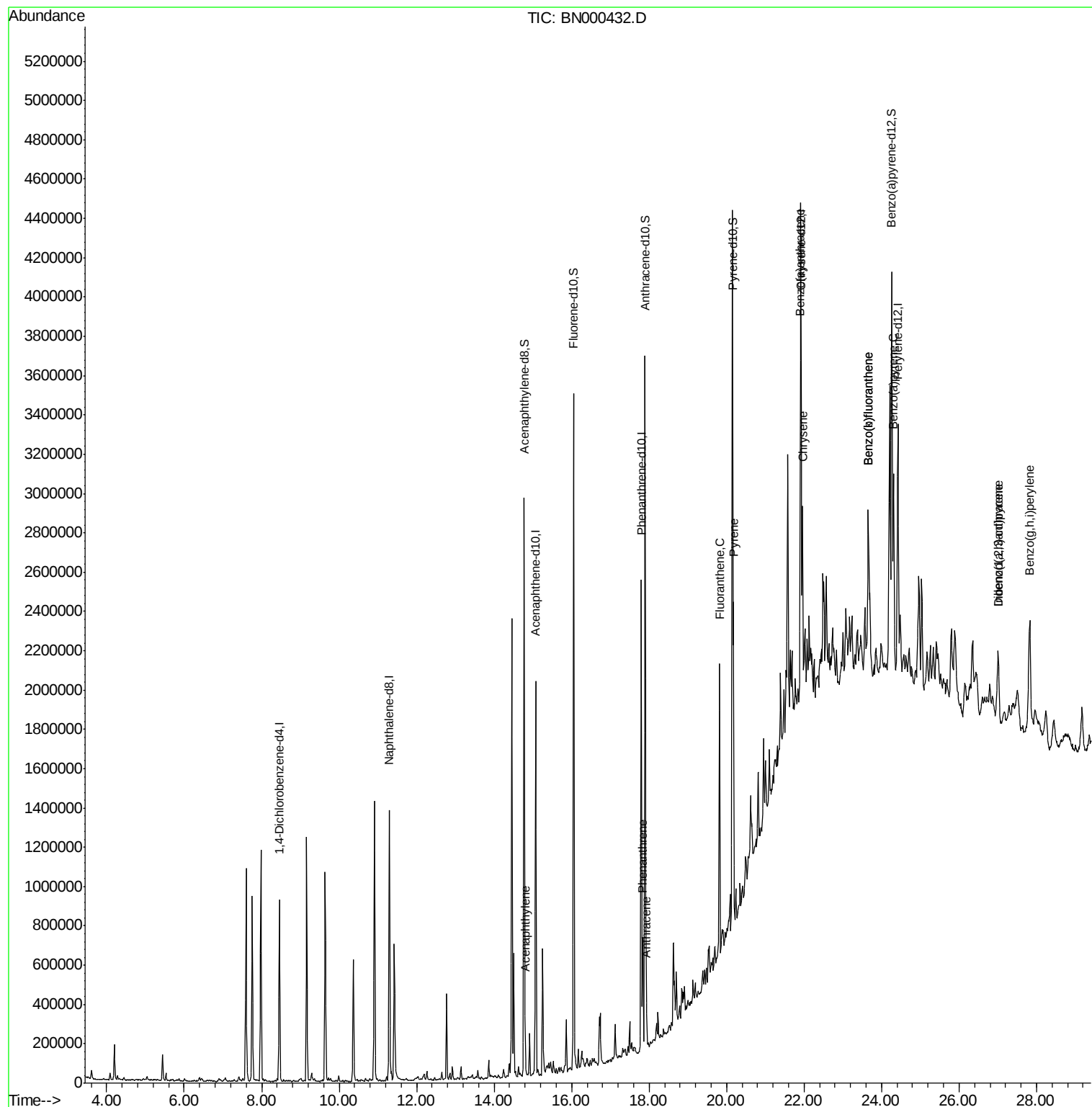
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Acenaphthylene	14.80	152	92721	1.451	ng/ul	98
13) Phenanthrene	17.84	178	317504	4.117	ng/ul	99
15) Anthracene	17.93	178	131732	1.683	ng/ul	97
16) Fluoranthene	19.82	202	824582	9.896	ng/ul#	94
19) Pyrene	20.18	202	840005	12.915	ng/ul#	88
20) Benzo(a)anthracene	21.90	228	495029	7.730	ng/ul#	93
21) Chrysene	21.96	228	591970	9.740	ng/ul#	95
23) Benzo(b)fluoranthene	23.66	252	828507	14.390	ng/ul#	90
24) Benzo(k)fluoranthene	23.66	252	824983	15.308	ng/ul#	90
26) Benzo(a)pyrene	24.31	252	631779	11.530	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	27.01	276	321019	5.434	ng/ul#	81
28) Dibenzo(a,h)anthracene	27.01	278	119046	2.458	ng/ul#	44
29) Benzo(a,h,i)perylene	27.82	276	753960	15.284	ng/ul#	87

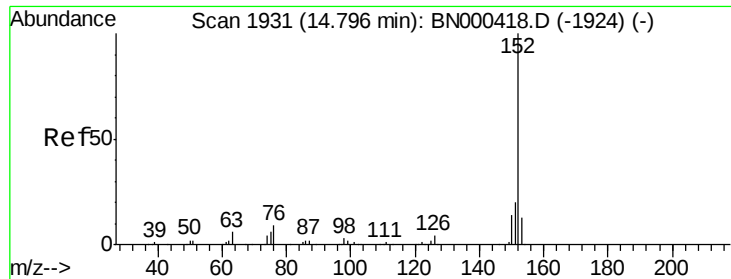
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthylene

Concen: 1.451 ng/ul

RT: 14.80 min Scan# 1932

Delta R.T. 0.01 min

Lab File: BN000432.D

Acq: 16 Mar 2018 00:40

Instrument :

BNA_N

ClientSampleId :

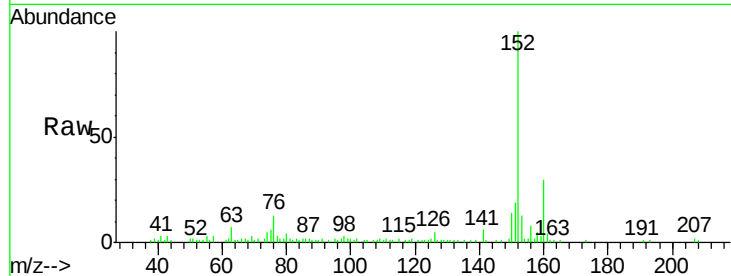
Tot Ion:152 Resp: 92721

Ion Ratio Lower Upper

152 100

151 19.5 16.7 25.1

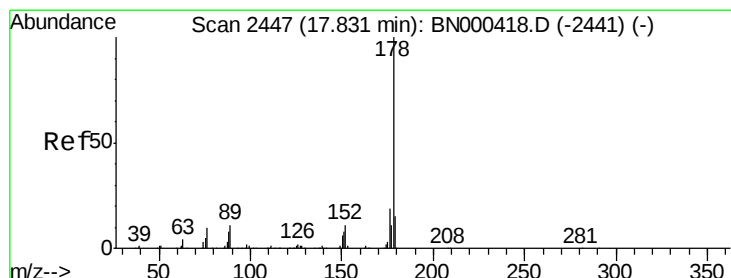
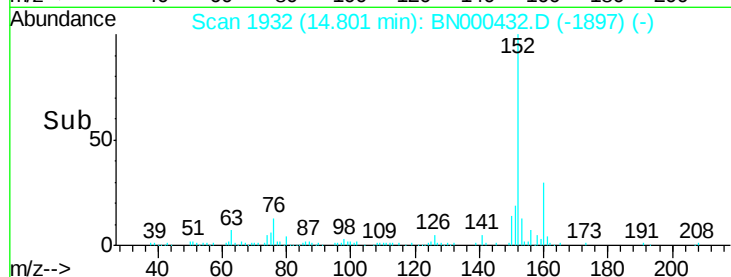
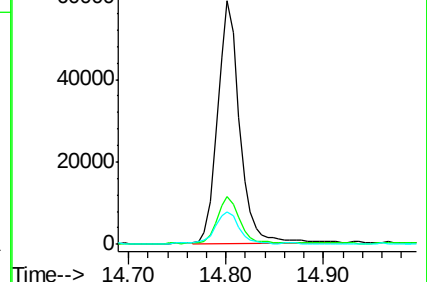
153 13.2 10.2 15.4



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: 4.117 ng/ul

RT: 17.84 min Scan# 2448

Delta R.T. 0.01 min

Lab File: BN000432.D

Acq: 16 Mar 2018 00:40

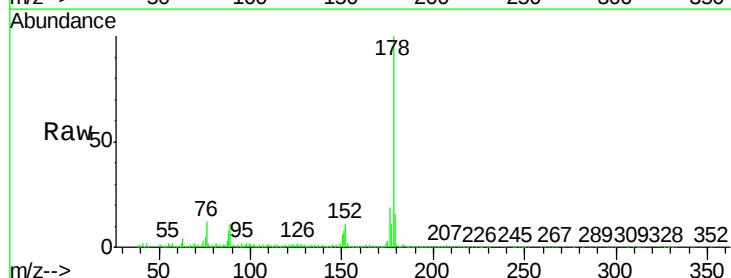
Tgt Ion:178 Resp: 317504

Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

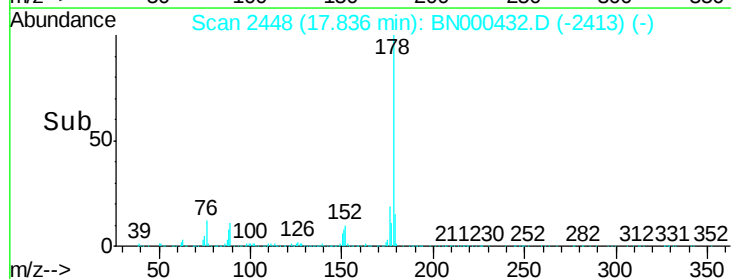
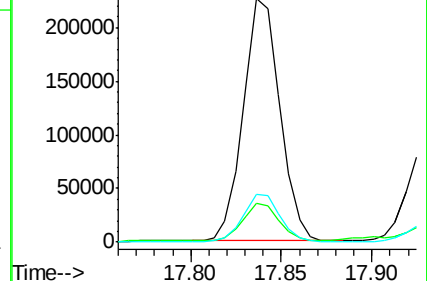
176 19.4 15.1 22.7

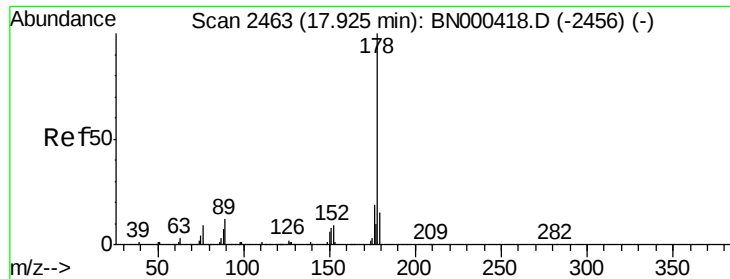


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

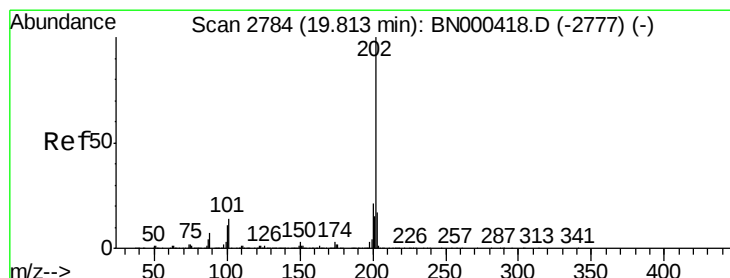
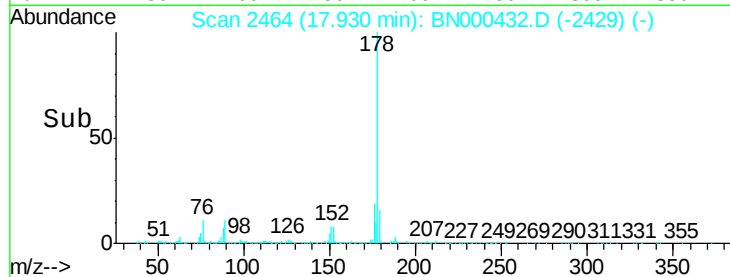
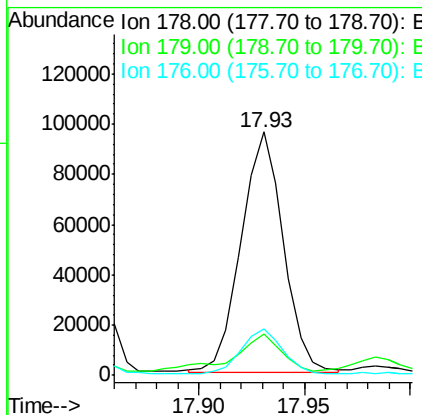
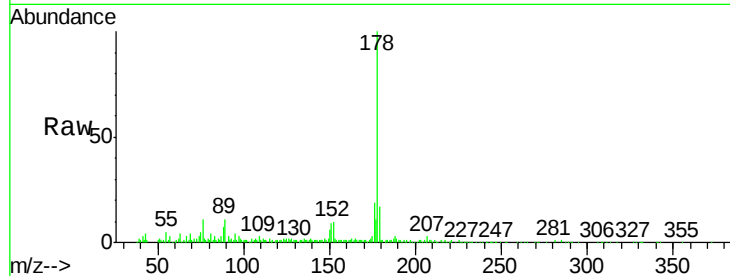




#15
 Anthracene
 Concen: 1.683 ng/ul
 RT: 17.93 min Scan# 2464
 Delta R.T. 0.01 min
 Lab File: BN000432.D
 Acq: 16 Mar 2018 00:40

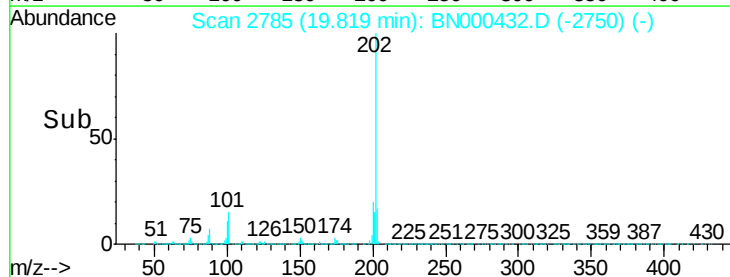
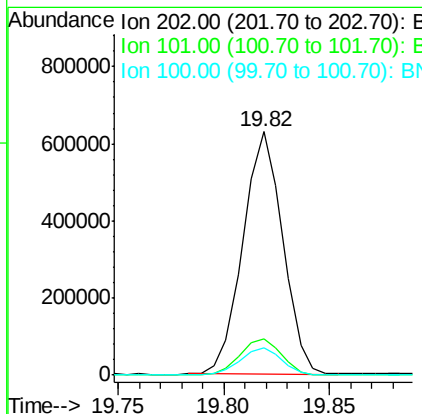
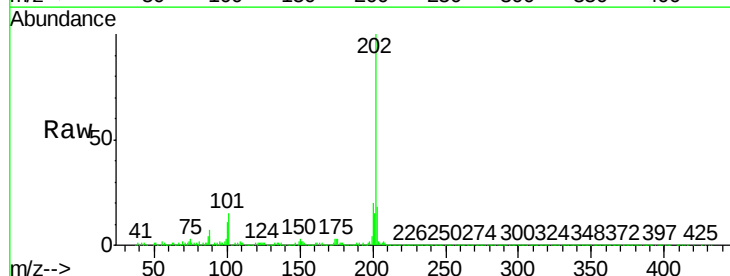
Instrument :
 BNA_N
 ClientSampleId :

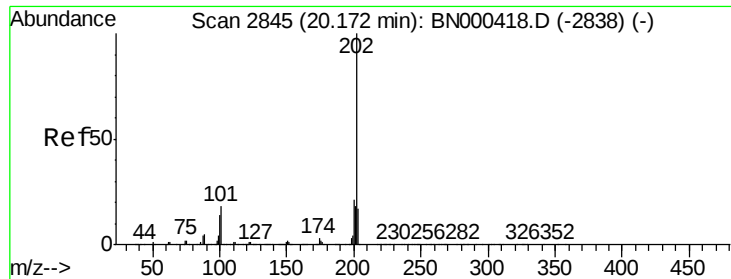
Tot Ion:178 Resp: 131732
 Ion Ratio Lower Upper
 178 100
 179 16.8 11.8 17.8
 176 19.3 15.2 22.8



#16
 Fluoranthene
 Concen: 9.896 ng/ul
 RT: 19.82 min Scan# 2785
 Delta R.T. 0.01 min
 Lab File: BN000432.D
 Acq: 16 Mar 2018 00:40

Tgt Ion:202 Resp: 824582
 Ion Ratio Lower Upper
 202 100
 101 15.0 9.9 14.9#
 100 11.4 7.4 11.0#





#19

Pvrene

Concen: 12.915 ng/ul

RT: 20.18 min Scan# 2846

Delta R.T. 0.01 min

Lab File: BN000432.D

Acq: 16 Mar 2018 00:40

Instrument :

BNA_N

ClientSampleId :

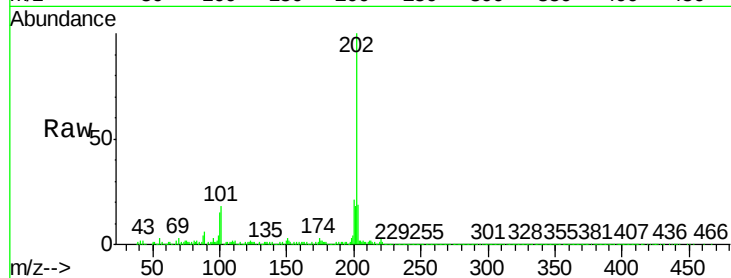
Tot Ion:202 Resp: 840005

Ion Ratio Lower Upper

202 100

101 18.2 11.0 16.4#

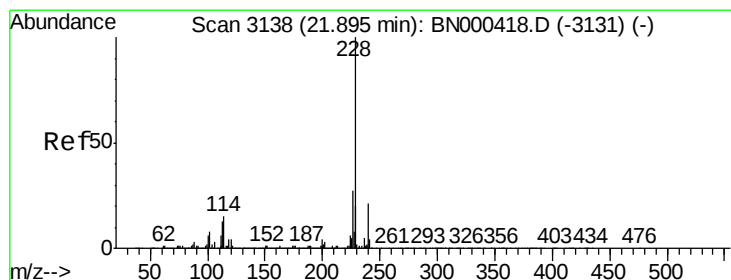
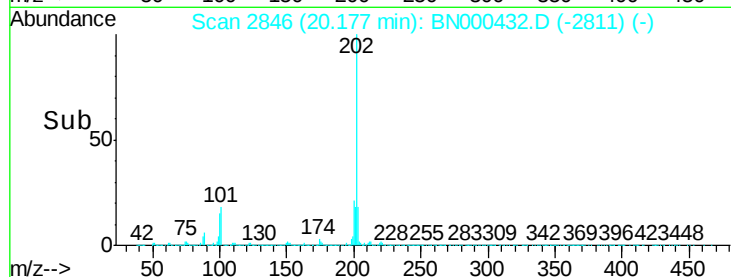
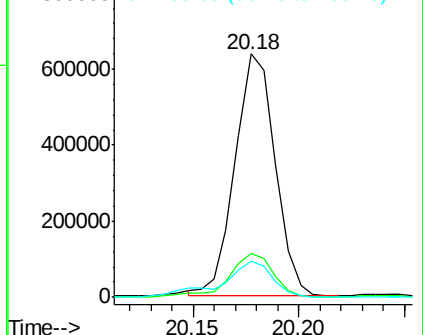
100 15.1 8.1 12.1#



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): E



#20

Benzo(a)anthracene

Concen: 7.730 ng/ul

RT: 21.90 min Scan# 3139

Delta R.T. 0.01 min

Lab File: BN000432.D

Acq: 16 Mar 2018 00:40

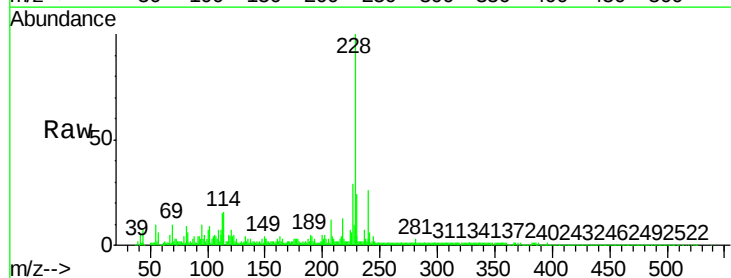
Tgt Ion:228 Resp: 495029

Ion Ratio Lower Upper

228 100

229 24.3 15.7 23.5#

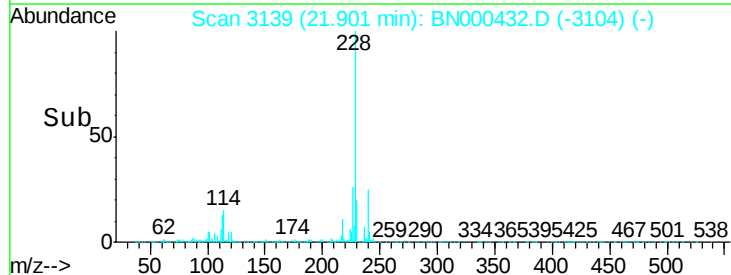
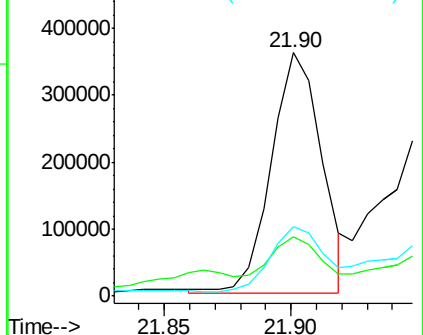
226 28.5 21.1 31.7

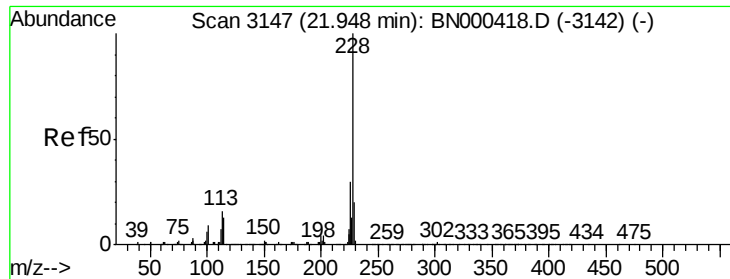


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 9.740 ng/ul

RT: 21.96 min Scan# 3149

Delta R.T. 0.01 min

Lab File: BN000432.D

Acq: 16 Mar 2018 00:40

Instrument :

BNA_N

ClientSampled :

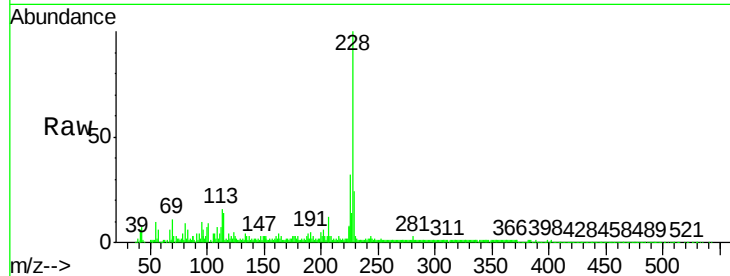
Tot Ion:228 Resp: 591970

Ion Ratio Lower Upper

228 100

226 31.6 24.5 36.7

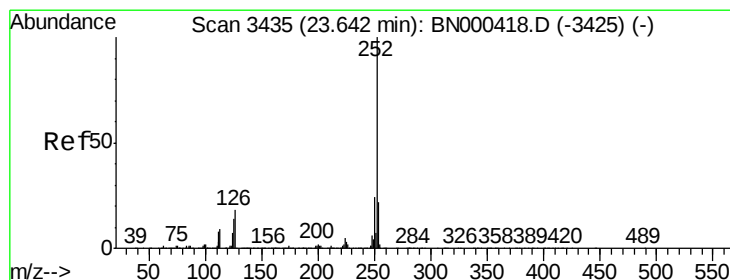
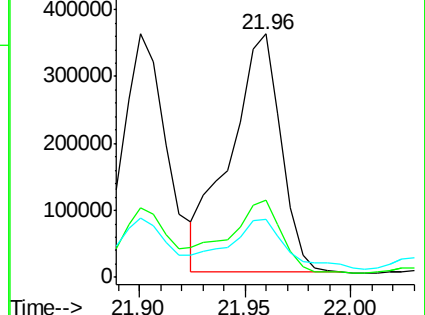
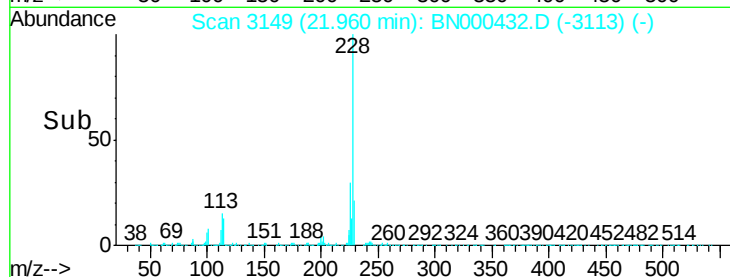
229 24.1 15.8 23.8#



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: 14.390 ng/ul

RT: 23.66 min Scan# 3438

Delta R.T. 0.02 min

Lab File: BN000432.D

Acq: 16 Mar 2018 00:40

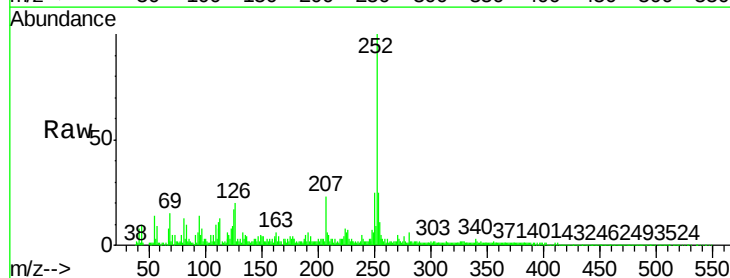
Tgt Ion:252 Resp: 828507

Ion Ratio Lower Upper

252 100

253 25.1 18.0 27.0

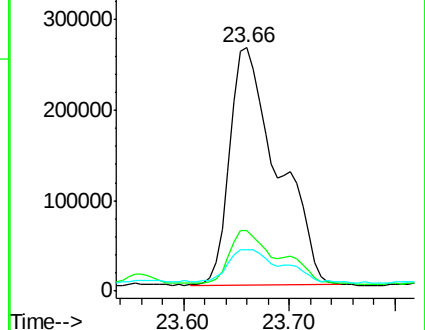
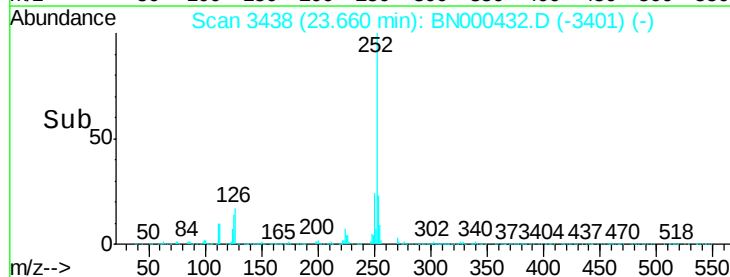
125 17.2 8.0 12.0#

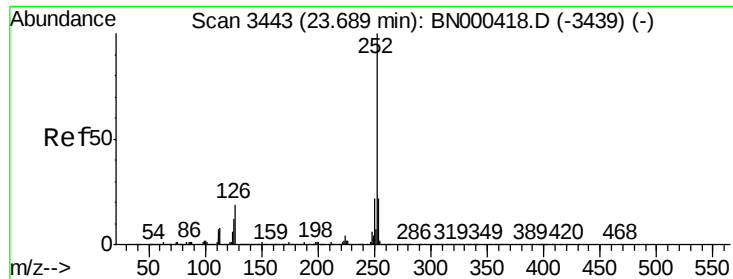


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 15.308 ng/ul

RT: 23.66 min Scan# 3438

Delta R.T. -0.03 min

Lab File: BN000432.D

Acq: 16 Mar 2018 00:40

Instrument :

BNA_N

ClientSampleId :

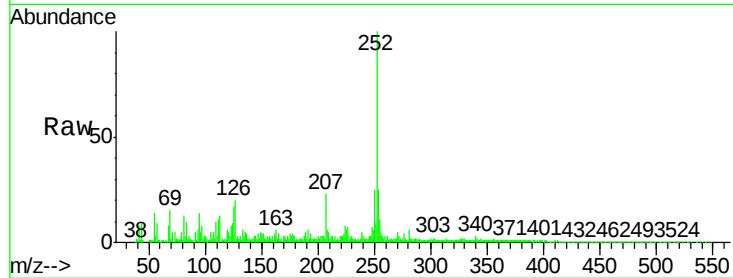
Tot Ion:252 Resp: 824983

Ion Ratio Lower Upper

252 100

253 25.1 18.0 27.0

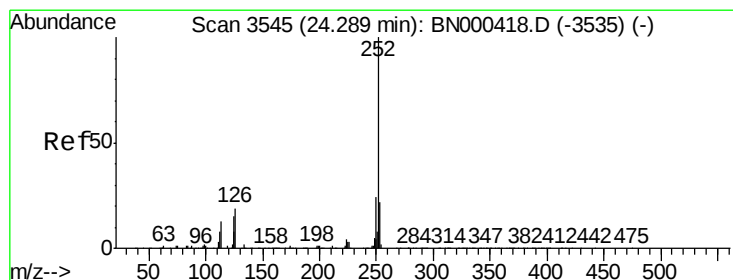
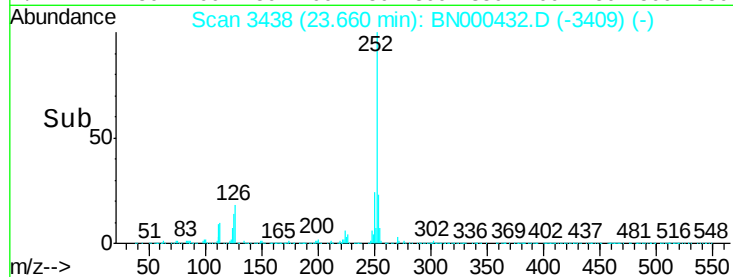
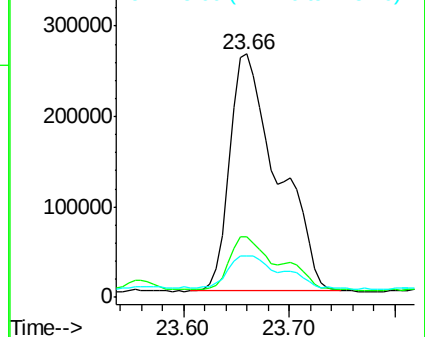
125 17.2 8.1 12.1#



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: 11.530 ng/ul

RT: 24.31 min Scan# 3549

Delta R.T. 0.02 min

Lab File: BN000432.D

Acq: 16 Mar 2018 00:40

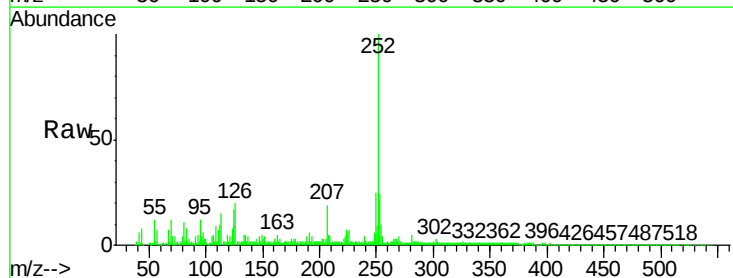
Tgt Ion:252 Resp: 631779

Ion Ratio Lower Upper

252 100

253 24.4 17.2 25.8

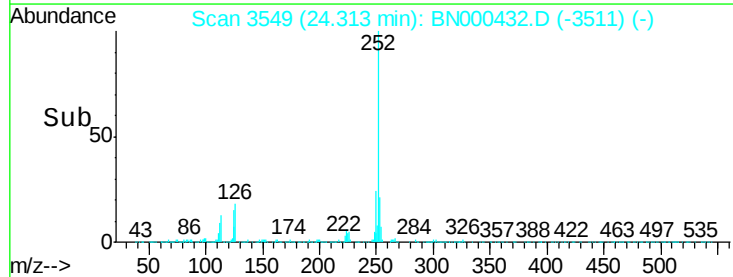
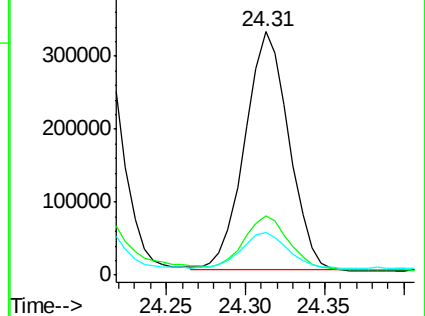
125 17.4 8.2 12.4#

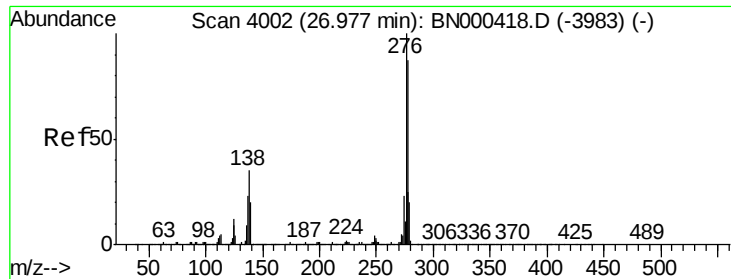


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



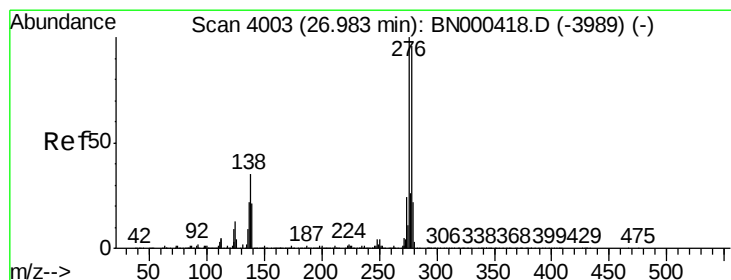
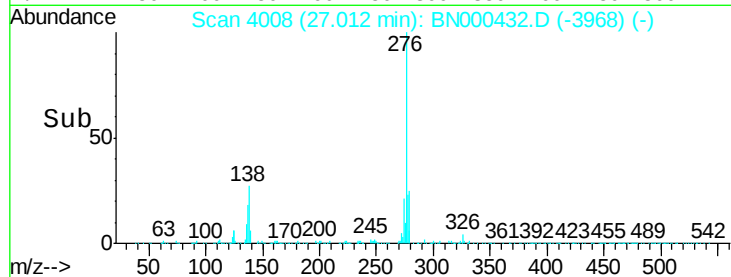
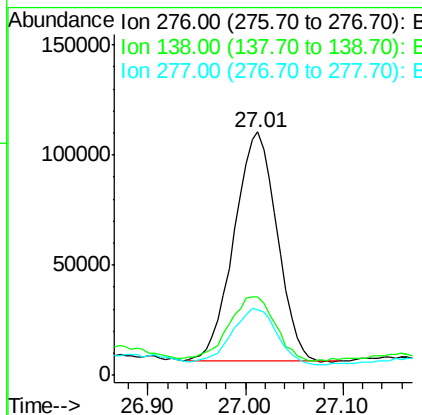
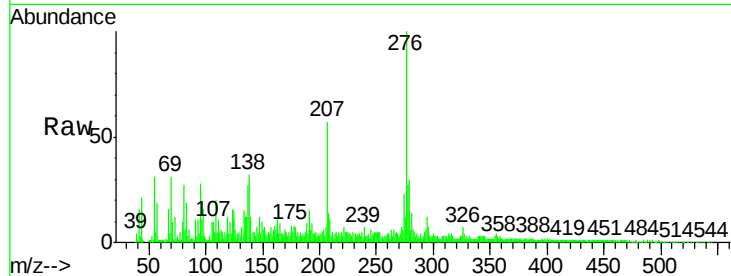


#27

Indeno(1,2,3-cd)pyrene
Concen: 5.434 ng/ul
RT: 27.01 min Scan# 4008
Delta R.T. 0.04 min
Lab File: BN000432.D
Acq: 16 Mar 2018 00:40

Instrument :
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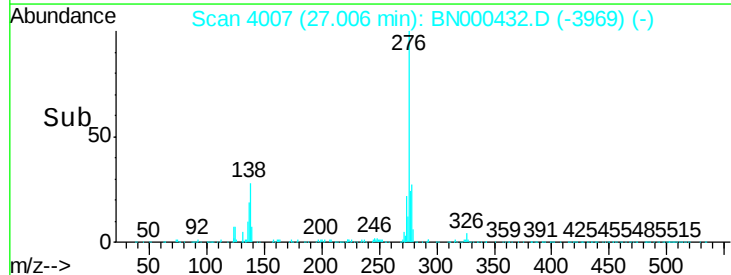
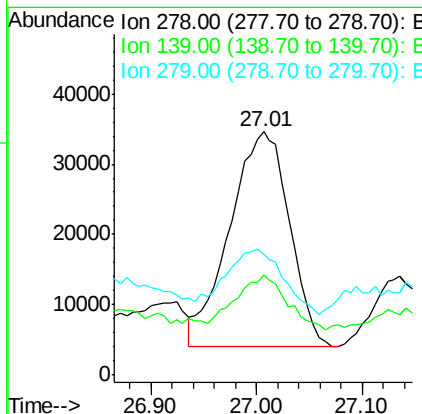
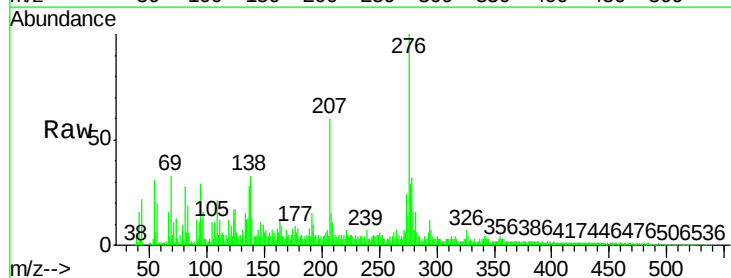
Tot Ion:276 Resp: 321019
Ion Ratio Lower Upper
276 100
138 32.1 14.4 21.6#
277 27.0 18.0 27.0#

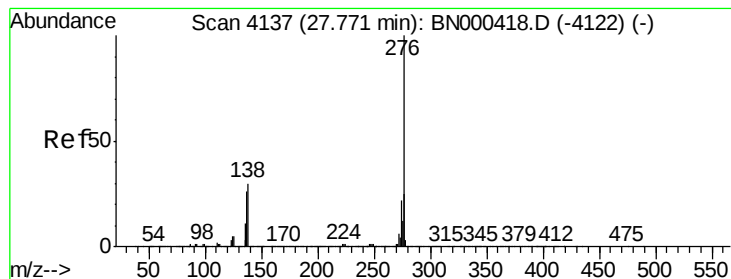


#28

Dibenzo(a,h)anthracene
Concen: 2.458 ng/ul
RT: 27.01 min Scan# 4007
Delta R.T. 0.02 min
Lab File: BN000432.D
Acq: 16 Mar 2018 00:40

Tgt Ion:278 Resp: 119046
Ion Ratio Lower Upper
278 100
139 41.2 12.2 18.4#
279 49.5 19.2 28.8#





#29

Benzo(a,h,i)perylene

Concen: 15.284 ng/ul

RT: 27.82 min Scan# 4146

Delta R.T. 0.05 min

Lab File: BN000432.D

Acq: 16 Mar 2018 00:40

Instrument :

BNA_N

ClientSampleId :

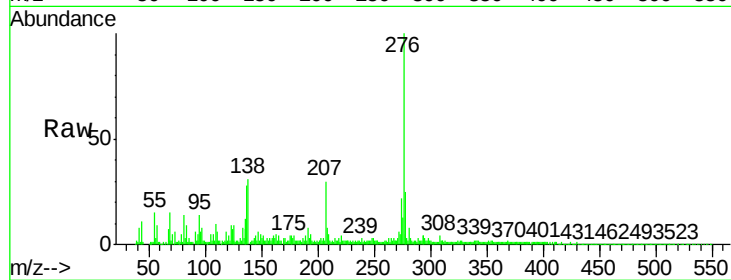
Tot Ion:276 Resp: 753960

Ion Ratio Lower Upper

276 100

138 30.8 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

