

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042518\
 Data File : BN000915.D
 Acq On : 26 Apr 2018 05:05
 Operator : JU/SJ
 Sample : J2443-10
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 26 08:38:14 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 26 08:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	139603	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	576665	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	291115	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.00	188	599806	20.00	ng/ul	0.00
17) Chrysene-d12	21.21	240	550949	20.00	ng/ul	0.00
22) Perylene-d12	23.41	264	595010	20.00	ng/ul	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	13.95	160	937415	33.53	ng/ul	0.00
10) Fluorene-d10	15.26	176	619253	33.18	ng/ul	0.00
14) Anthracene-d10	17.10	188	898159	32.74	ng/ul	0.00
18) Pyrene-d10	19.41	212	935019	33.12	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.27	264	903965	32.16	ng/ul	0.02

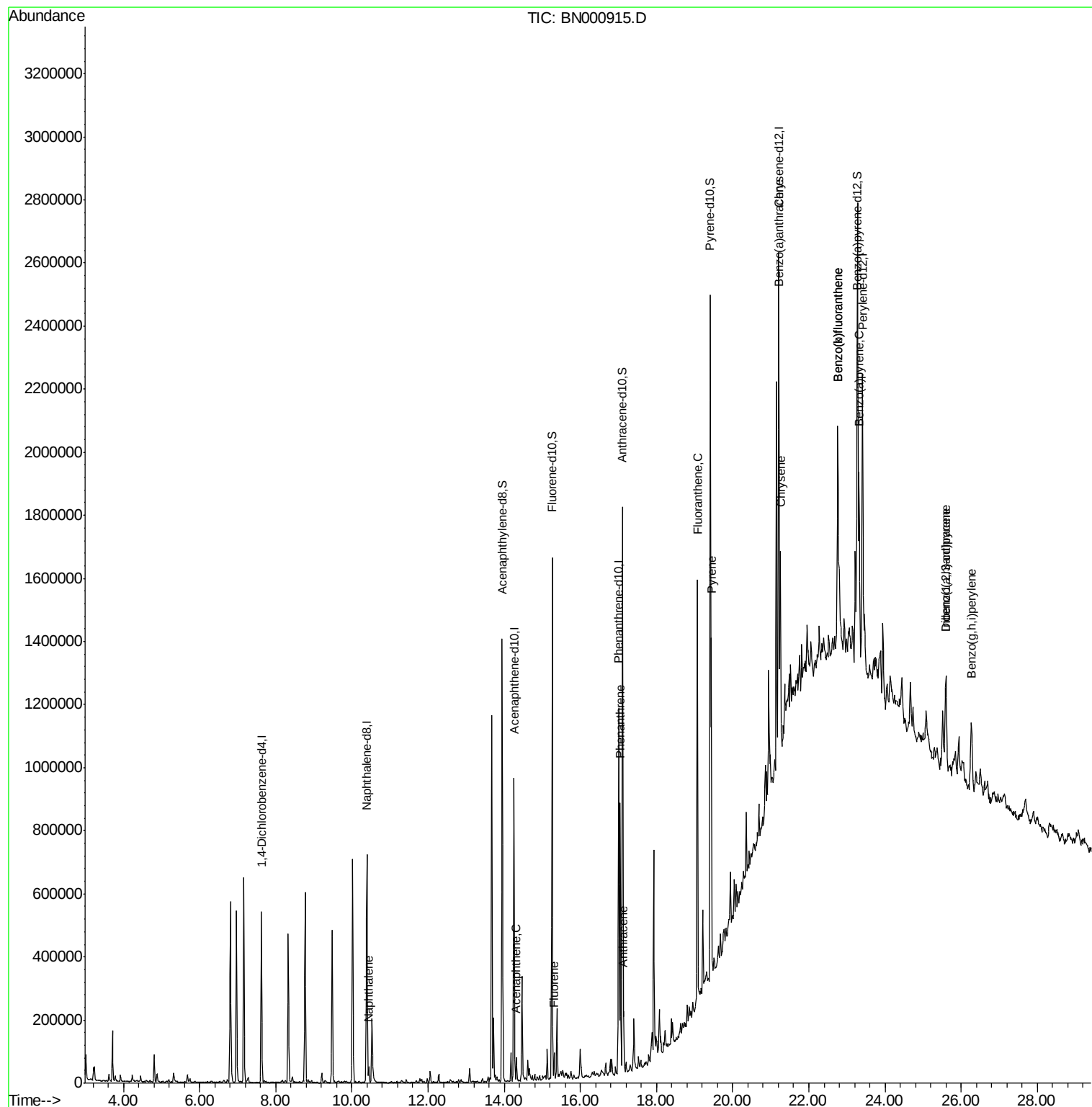
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.44	128	38623	1.329	ng/ul	98
9) Acenaphthene	14.32	153	28845	1.509	ng/ul	97
11) Fluorene	15.31	166	31317	1.539	ng/ul	95
13) Phenanthrene	17.05	178	478680	14.632	ng/ul	99
15) Anthracene	17.14	178	105144	3.204	ng/ul	99
16) Fluoranthene	19.07	202	751111	22.630	ng/ul	96
19) Pyrene	19.44	202	598151	16.902	ng/ul#	93
20) Benzo(a)anthracene	21.20	228	343813	10.439	ng/ul	96
21) Chrysene	21.25	228	318805	10.299	ng/ul	97
23) Benzo(b)fluoranthene	22.76	252	641239	18.963	ng/ul#	92
24) Benzo(k)fluoranthene	22.76	252	640433	19.355	ng/ul#	92
26) Benzo(a)pyrene	23.32	252	317069	9.811	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	25.60	276	251230	6.436	ng/ul#	90
28) Dibenzo(a,h)anthracene	25.60	278	68484	2.105	ng/ul#	80
29) Benzo(g,h,i)perylene	26.26	276	228739	7.007	ng/ul#	91

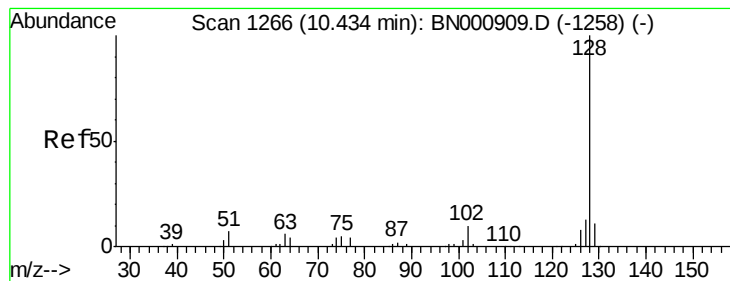
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M
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#3

Naphthalene

Concen: 1.329 ng/ul

RT: 10.44 min Scan# 1267

Delta R.T. 0.01 min

Lab File: BN000915.D

Acq: 26 Apr 2018 05:05

Instrument :

BNA_N

ClientSampleId :

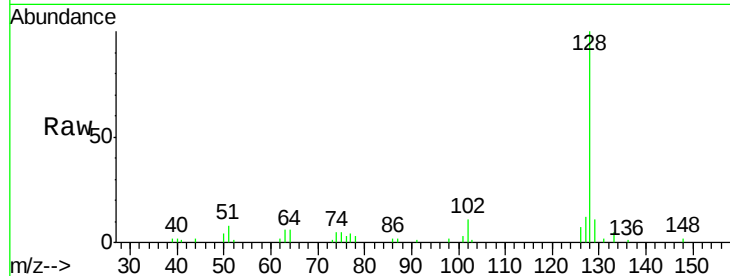
Tot Ion:128 Resp: 38623

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

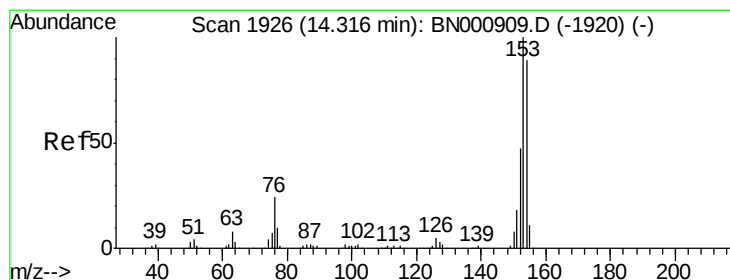
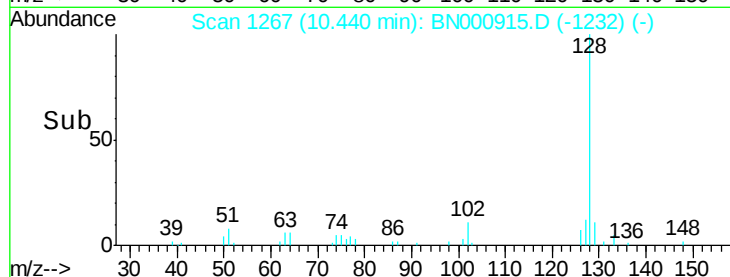
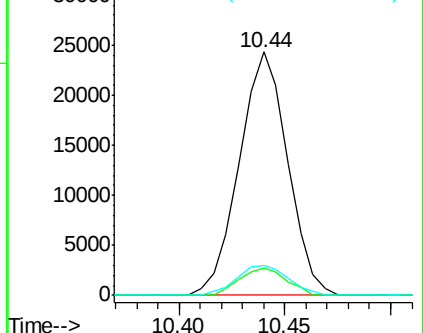
127 12.2 10.6 16.0



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: 1.509 ng/ul

RT: 14.32 min Scan# 1927

Delta R.T. 0.01 min

Lab File: BN000915.D

Acq: 26 Apr 2018 05:05

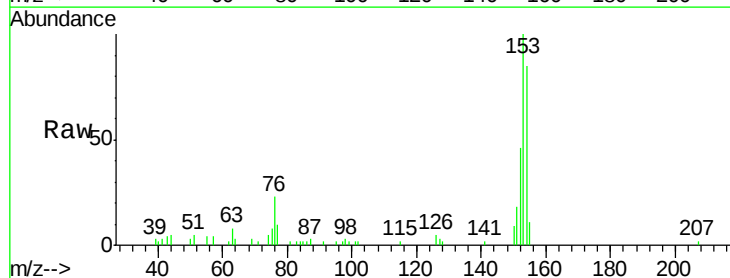
Tgt Ion:153 Resp: 28845

Ion Ratio Lower Upper

153 100

152 45.9 39.0 58.6

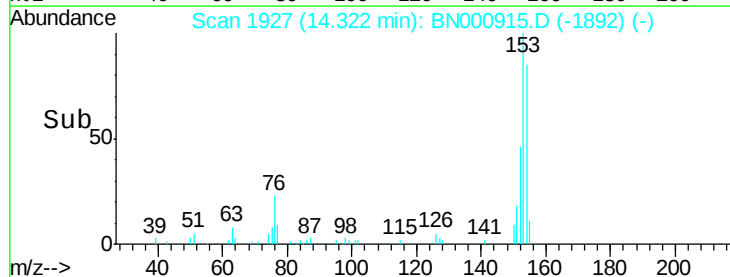
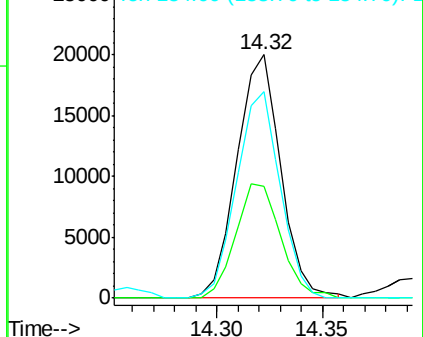
154 85.0 66.8 100.2

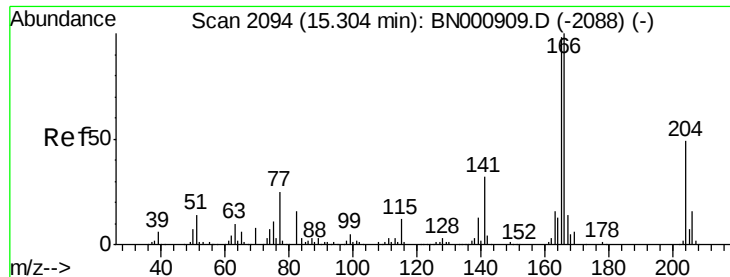


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 1.539 ng/ul

RT: 15.31 min Scan# 2095

Delta R.T. 0.01 min

Lab File: BN000915.D

Acq: 26 Apr 2018 05:05

Instrument :

BNA_N

ClientSampleId :

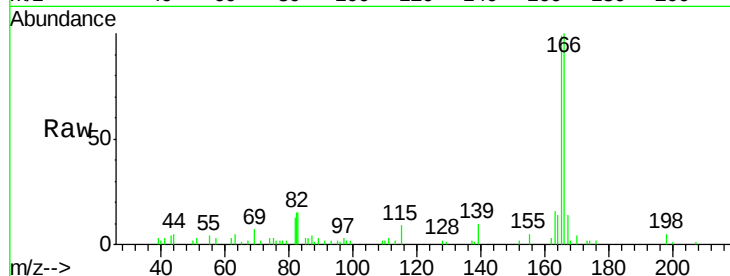
Tot Ion:166 Resp: 31317

Ion Ratio Lower Upper

166 100

165 99.2 83.8 125.8

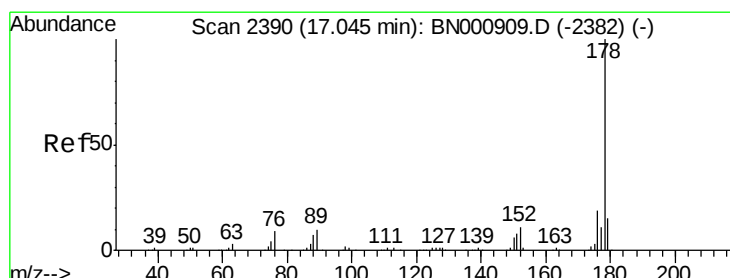
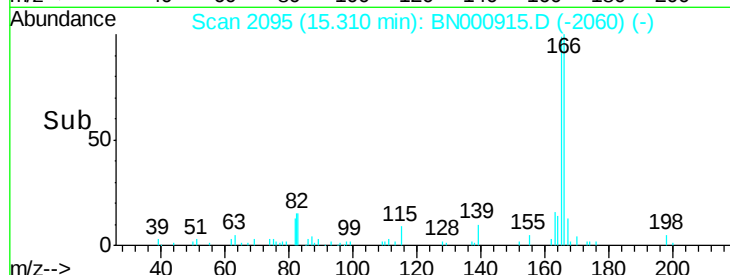
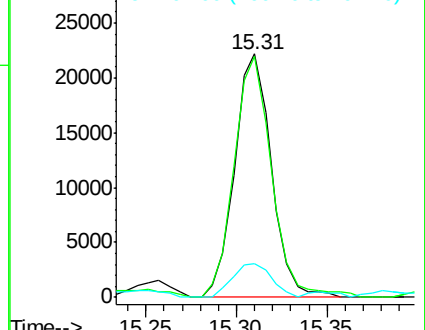
167 14.0 11.5 17.3



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: 14.632 ng/ul

RT: 17.05 min Scan# 2390

Delta R.T. 0.00 min

Lab File: BN000915.D

Acq: 26 Apr 2018 05:05

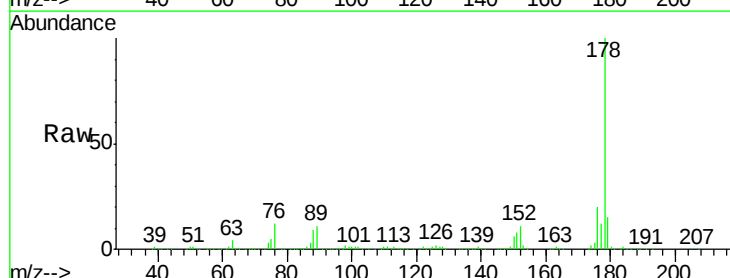
Tgt Ion:178 Resp: 478680

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

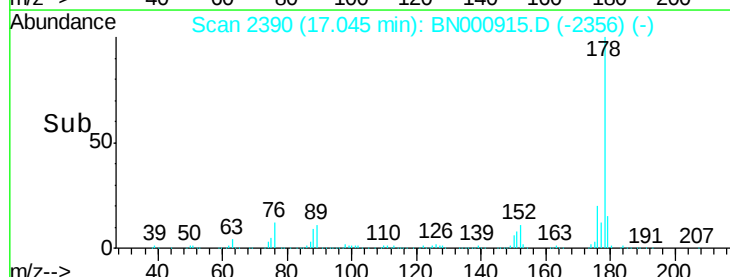
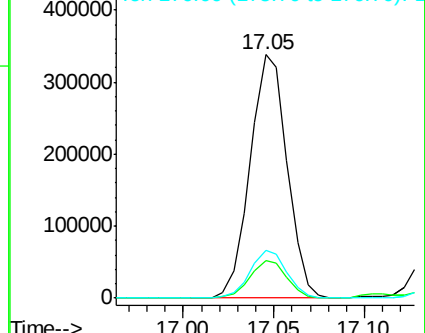
176 19.8 15.1 22.7

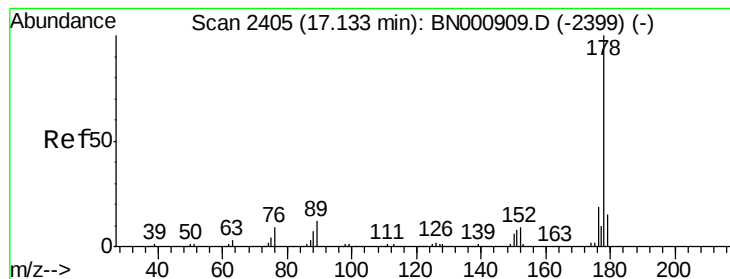


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Anthracene

Concen: 3.204 ng/ul

RT: 17.14 min Scan# 2406

Delta R.T. 0.01 min

Lab File: BN000915.D

Acq: 26 Apr 2018 05:05

Instrument :

BNA_N

ClientSampleId :

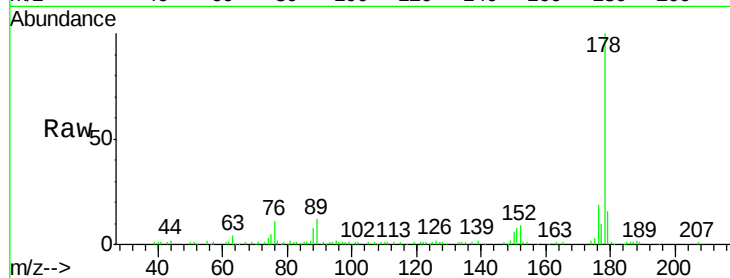
Tot Ion:178 Resp: 105144

Ion Ratio Lower Upper

178 100

179 16.0 11.8 17.8

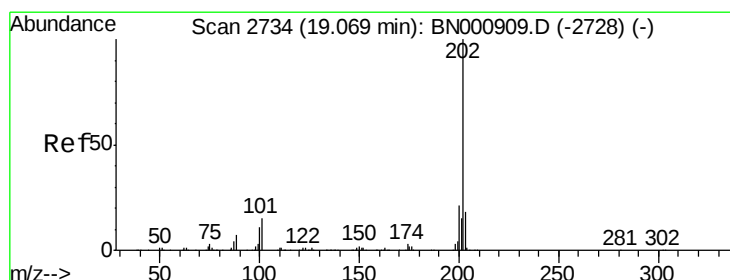
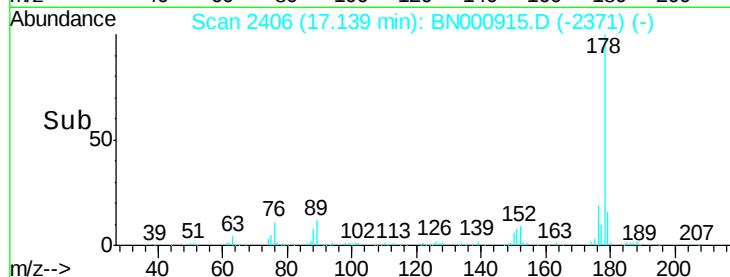
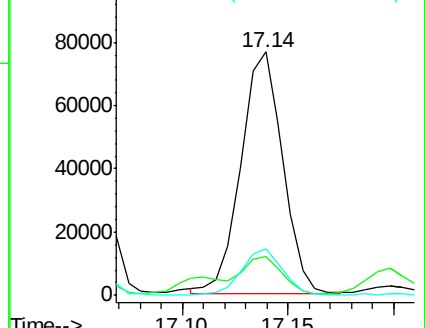
176 19.1 15.2 22.8



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: 22.630 ng/ul

RT: 19.07 min Scan# 2735

Delta R.T. 0.01 min

Lab File: BN000915.D

Acq: 26 Apr 2018 05:05

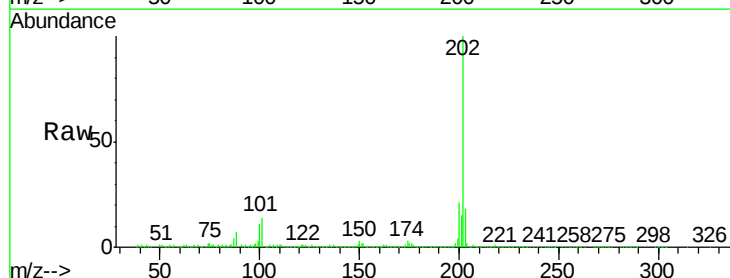
Tgt Ion:202 Resp: 751111

Ion Ratio Lower Upper

202 100

101 13.9 9.9 14.9

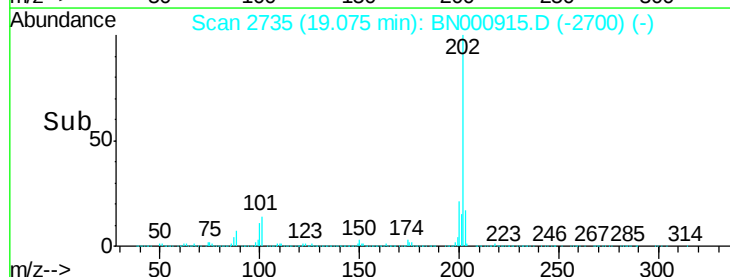
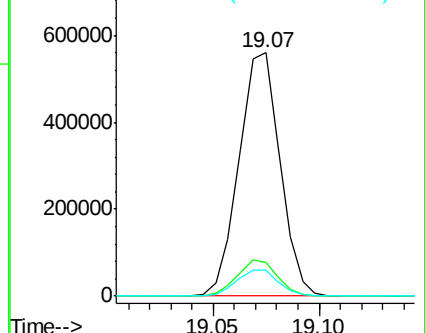
100 10.7 7.4 11.0

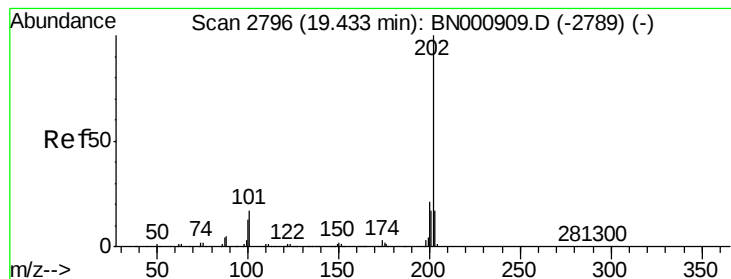


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pvrene

Concen: 16.902 ng/ul

RT: 19.44 min Scan# 2797

Delta R.T. 0.01 min

Lab File: BN000915.D

Acq: 26 Apr 2018 05:05

Instrument :

BNA_N

ClientSampleId :

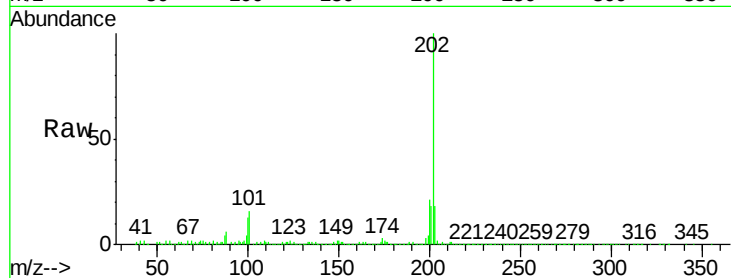
Tot Ion:202 Resp: 598151

Ion Ratio Lower Upper

202 100

101 16.2 11.0 16.4

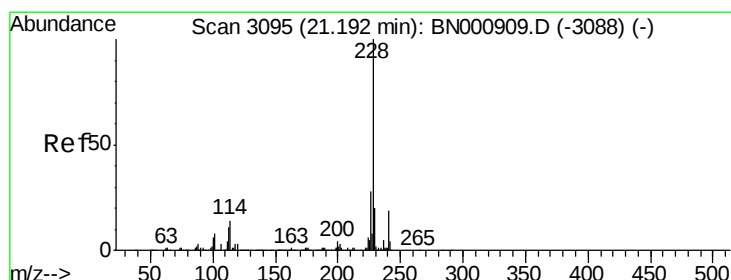
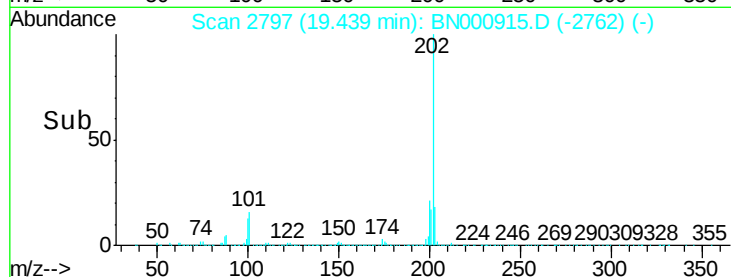
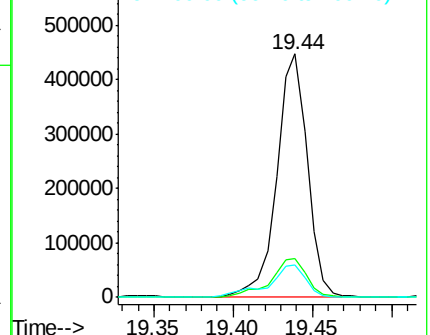
100 13.1 8.1 12.1#



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): B



#20

Benzo(a)anthracene

Concen: 10.439 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BN000915.D

Acq: 26 Apr 2018 05:05

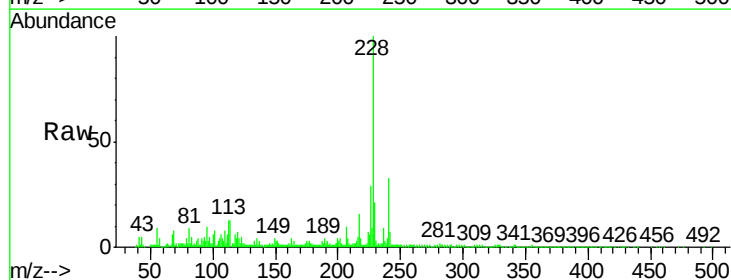
Tgt Ion:228 Resp: 343813

Ion Ratio Lower Upper

228 100

229 21.1 15.7 23.5

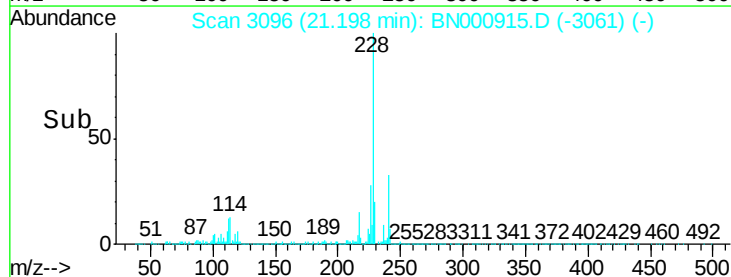
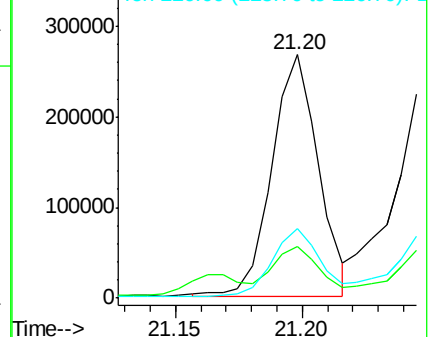
226 28.7 21.1 31.7

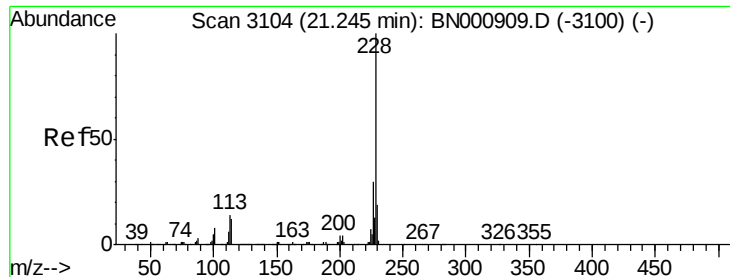


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 10.299 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. 0.01 min

Lab File: BN000915.D

Acq: 26 Apr 2018 05:05

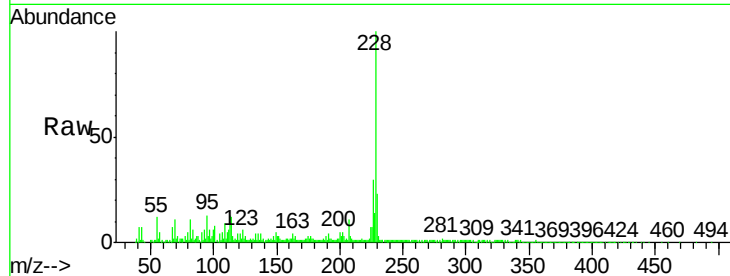
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 318805

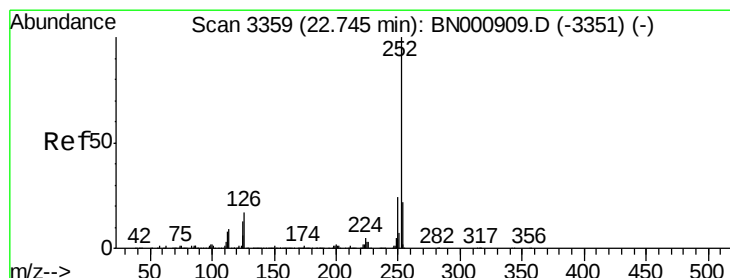
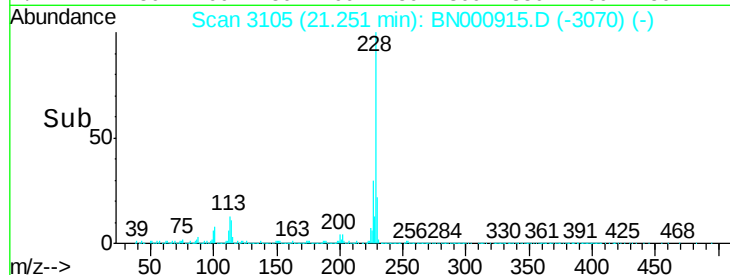
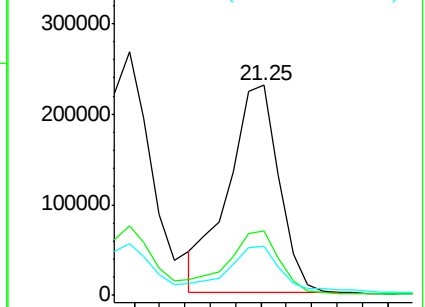
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.5	36.7
229	23.4	15.8	23.8



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: 18.963 ng/ul

RT: 22.76 min Scan# 3361

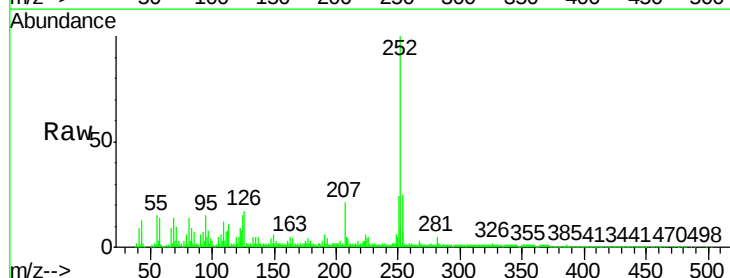
Delta R.T. 0.01 min

Lab File: BN000915.D

Acq: 26 Apr 2018 05:05

Tgt Ion:252 Resp: 641239

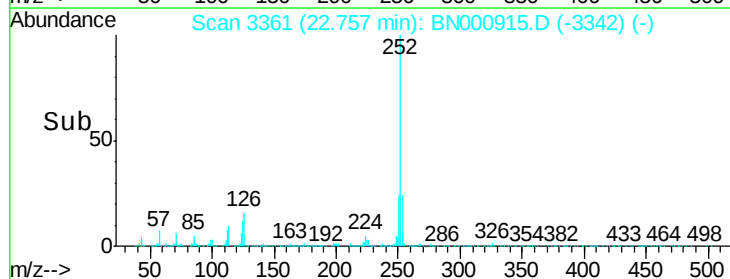
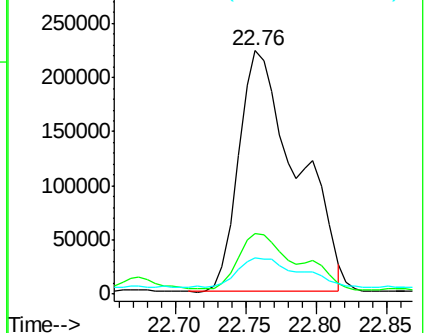
Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.0	27.0
125	14.8	8.0	12.0#

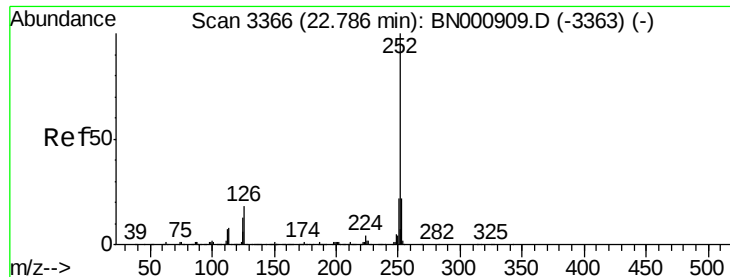


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 19.355 ng/ul

RT: 22.76 min Scan# 3361

Delta R.T. -0.03 min

Lab File: BN000915.D

Acq: 26 Apr 2018 05:05

Instrument :

BNA_N

ClientSampleId :

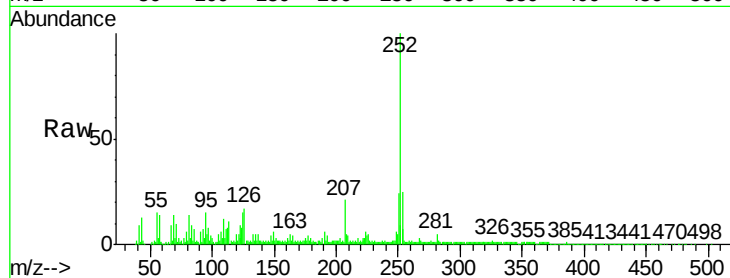
Tot Ion:252 Resp: 640433

Ion Ratio Lower Upper

252 100

253 25.1 18.0 27.0

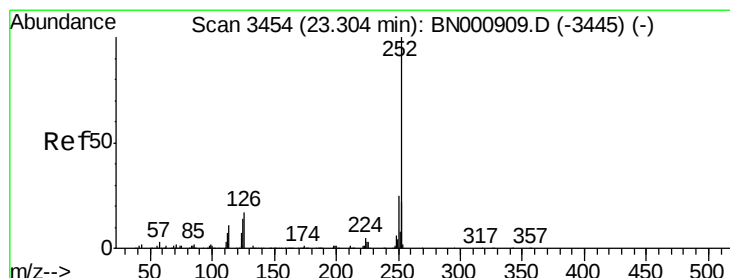
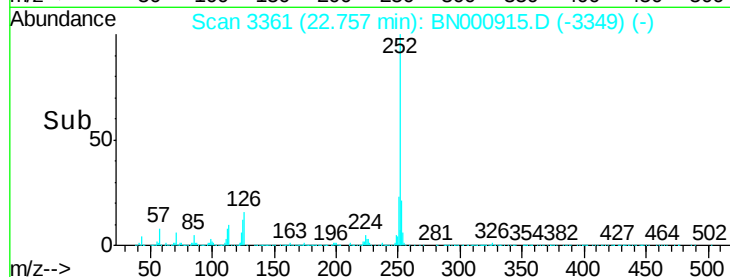
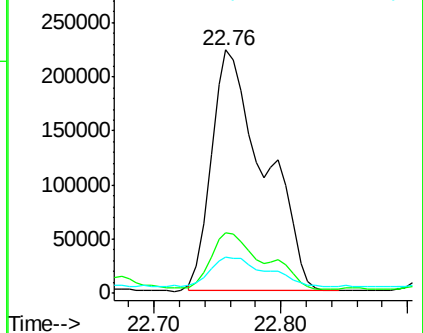
125 14.8 8.1 12.1#



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: 9.811 ng/ul

RT: 23.32 min Scan# 3456

Delta R.T. 0.01 min

Lab File: BN000915.D

Acq: 26 Apr 2018 05:05

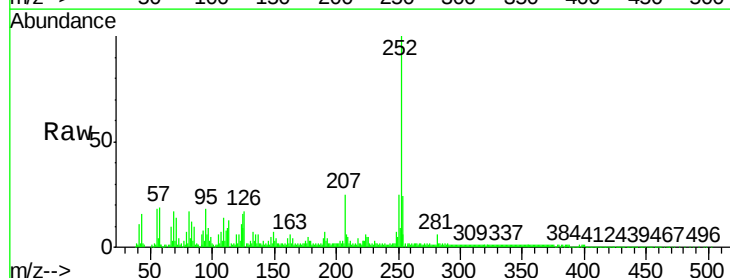
Tgt Ion:252 Resp: 317069

Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

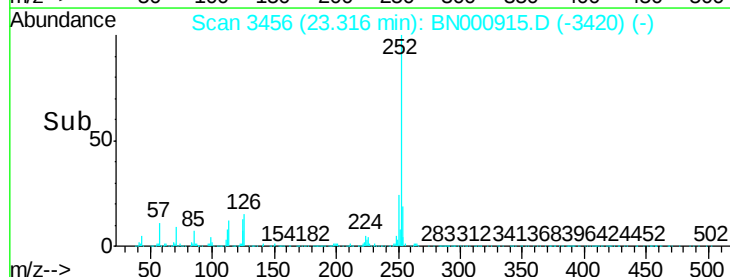
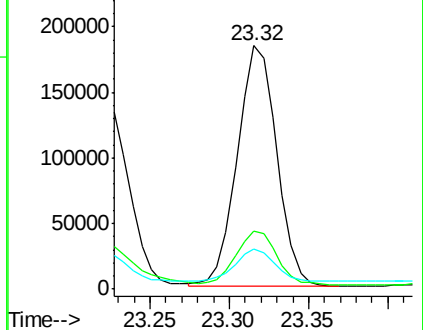
125 16.2 8.2 12.4#

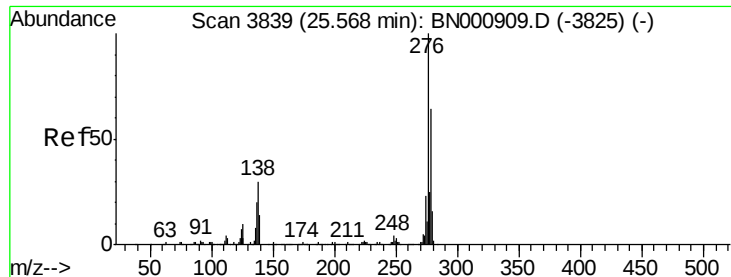


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



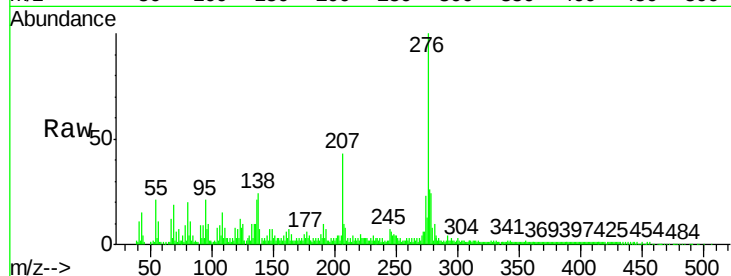


#27

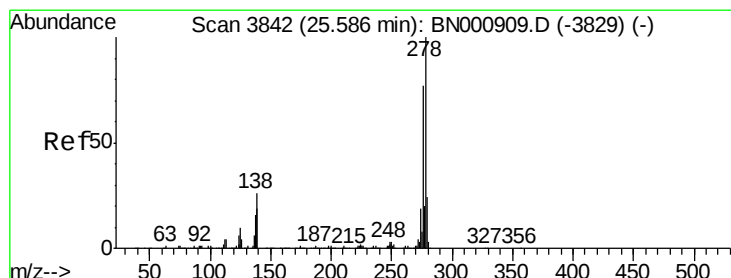
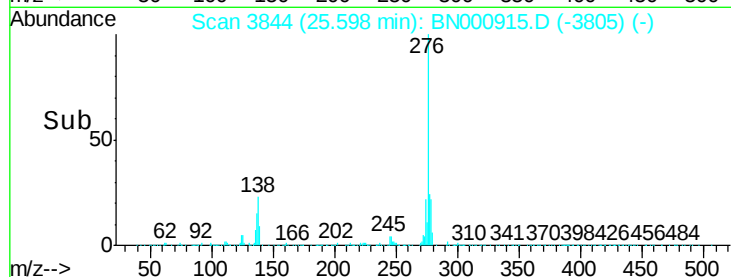
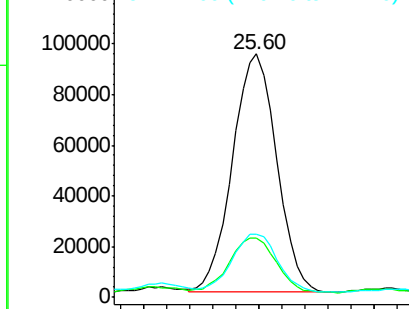
Indeno(1,2,3-cd)pyrene
Concen: 6.436 ng/ul
RT: 25.60 min Scan# 3844
Delta R.T. 0.03 min
Lab File: BN000915.D
Acq: 26 Apr 2018 05:05

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.4	14.4	21.6#
277	25.7	18.0	27.0



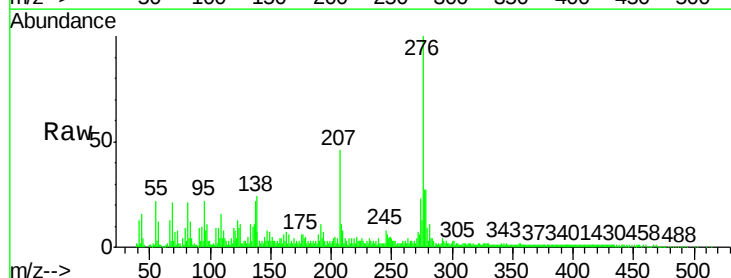
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



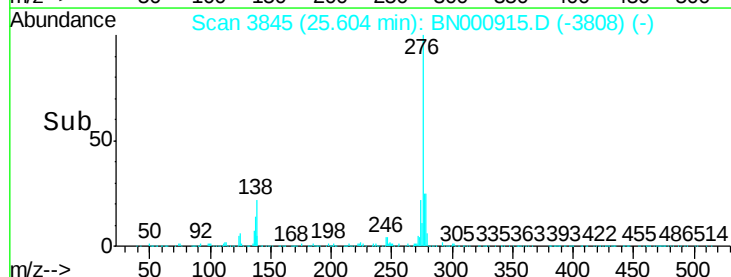
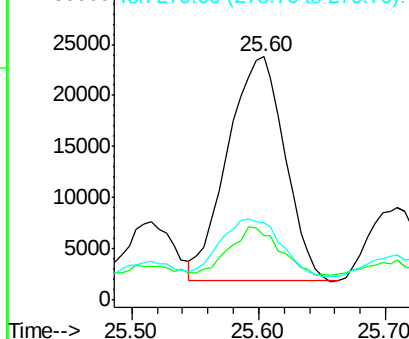
#28

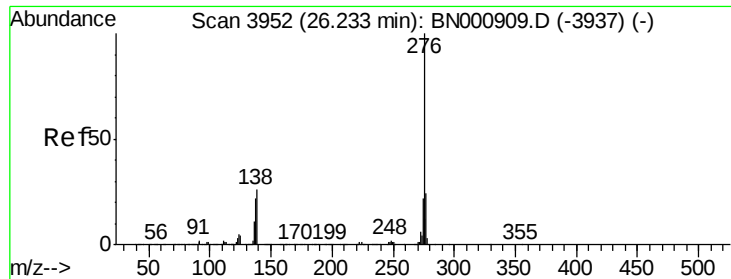
Dibenzo(a,h)anthracene
Concen: 2.105 ng/ul
RT: 25.60 min Scan# 3845
Delta R.T. 0.02 min
Lab File: BN000915.D
Acq: 26 Apr 2018 05:05

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.4	12.2	18.4#
279	31.7	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: 7.007 ng/ul

RT: 26.26 min Scan# 3957

Delta R.T. 0.03 min

Lab File: BN000915.D

Acq: 26 Apr 2018 05:05

Instrument :

BNA_N

ClientSampleId :

Tot Ion:276 Resp: 228739

Ion Ratio Lower Upper

276 100

138 25.7 15.3 22.9#

277 26.2 19.0 28.4

