

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031518\
 Data File : BN000408.D
 Acq On : 15 Mar 2018 10:47
 Operator : JU/SJ
 Sample : J1864-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 16 05:43:18 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 16 05:42:40 2018
 Response via : Initial Calibration

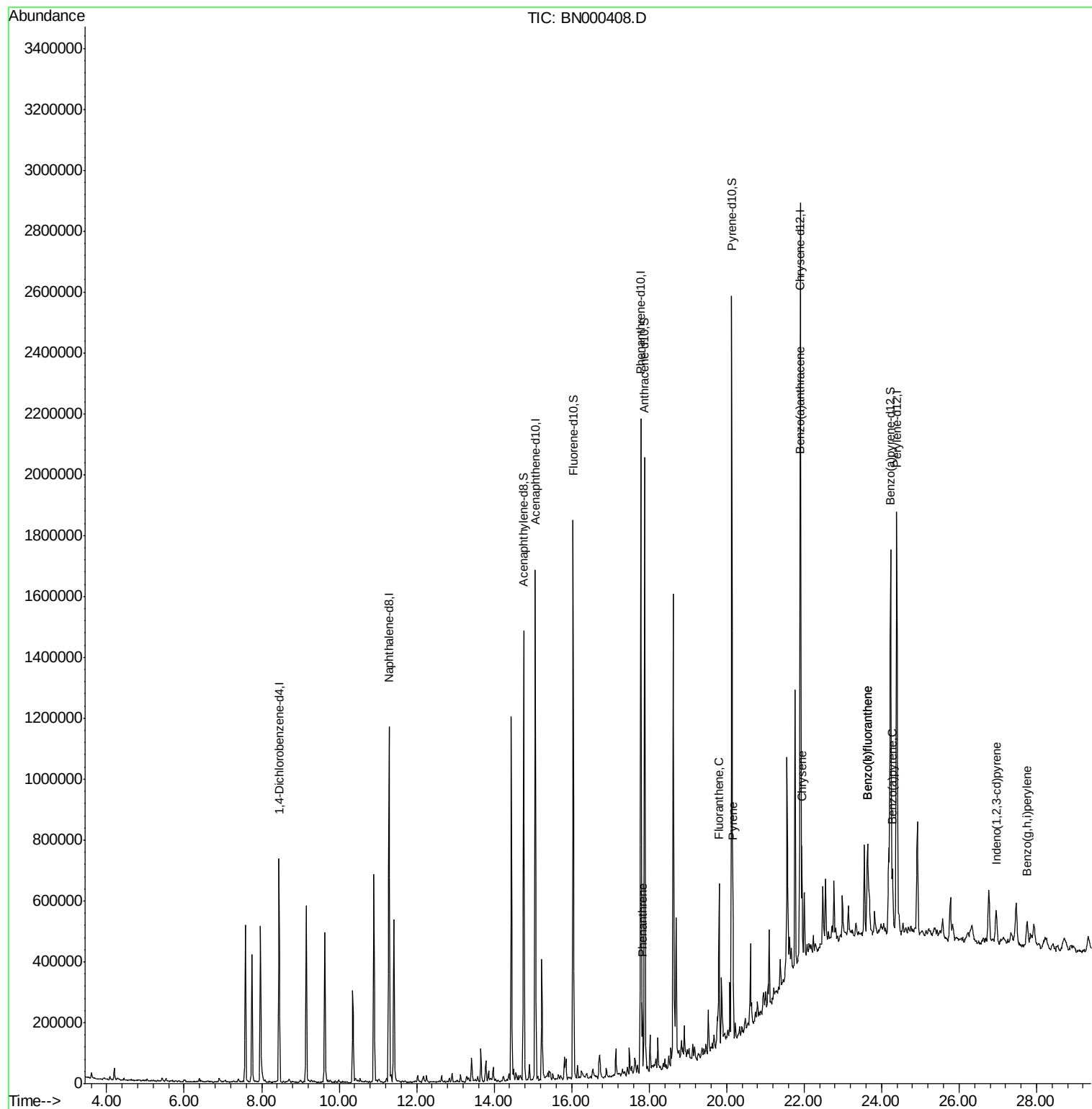
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	194877	20.00	ng/ul	0.00
2) Naphthalene-d8	11.29	136	958442	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.06	164	547161	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.78	188	1212497	20.00	ng/ul	0.00
17) Chrysene-d12	21.91	240	1095966	20.00	ng/ul	0.00
22) Perylene-d12	24.39	264	990356	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.76	160	1007053	18.54	ng/ul	0.00
10) Fluorene-d10	16.04	176	668194	18.17	ng/ul	0.00
14) Anthracene-d10	17.88	188	1045184	18.45	ng/ul	0.00
18) Pyrene-d10	20.14	212	1124841	20.98	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.24	264	843876	18.66	ng/ul	0.00
Target Compounds				Ovalue		
13) Phenanthrene	17.82	178	109964	1.581	ng/ul	99
16) Fluoranthene	19.81	202	277809	3.698	ng/ul#	94
19) Pyrene	20.17	202	252348	3.647	ng/ul#	89
20) Benzo(a)anthracene	21.89	228	148761	2.183	ng/ul	96
21) Chrysene	21.94	228	206239	3.190	ng/ul	97
23) Benzo(b)fluoranthene	23.64	252	244396	4.138	ng/ul#	94
24) Benzo(k)fluoranthene	23.64	252	244396	4.421	ng/ul#	94
26) Benzo(a)pyrene	24.28	252	132275	2.353	ng/ul#	88
27) Indeno(1,2,3-cd)pyrene	26.96	276	95836	1.581	ng/ul#	83
29) Benzo(g,h,i)perylene	27.75	276	95548	1.888	ng/ul#	89

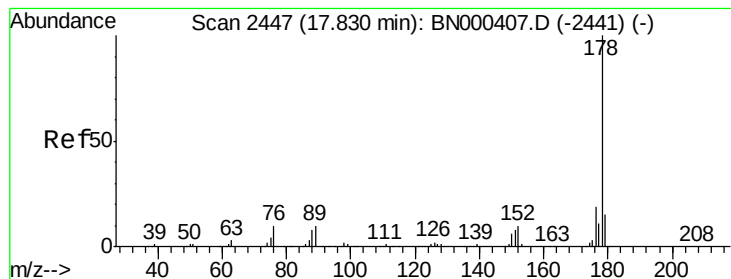
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Phenanthrene

Concen: 1.581 ng/ul

RT: 17.82 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BN000408.D

Acq: 15 Mar 2018 10:47

Instrument :

BNA_N

ClientSampleId :

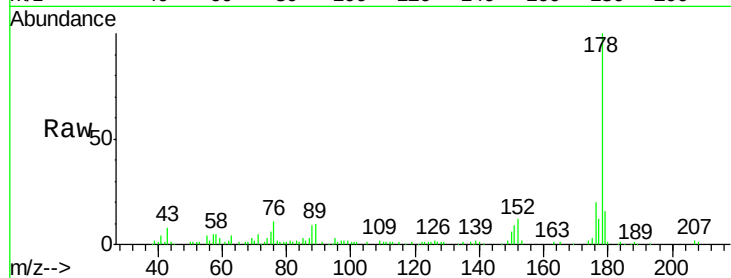
Tot Ion:178 Resp: 109964

Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

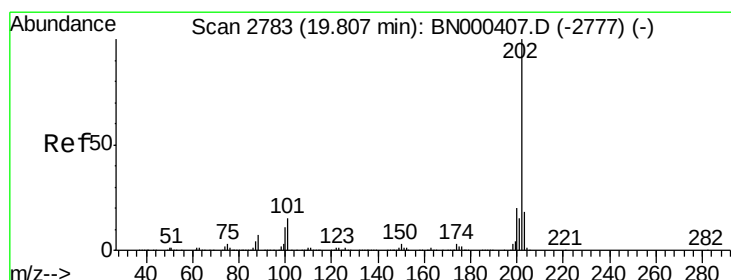
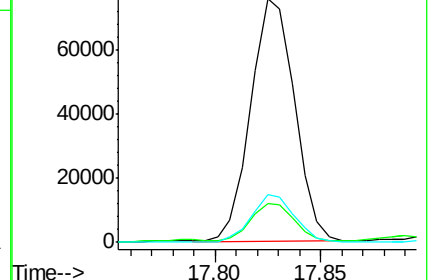
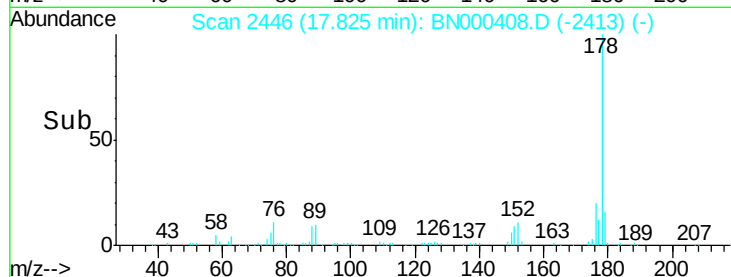
176 19.6 15.1 22.7



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



#16

Fluoranthene

Concen: 3.698 ng/ul

RT: 19.81 min Scan# 2783

Delta R.T. 0.00 min

Lab File: BN000408.D

Acq: 15 Mar 2018 10:47

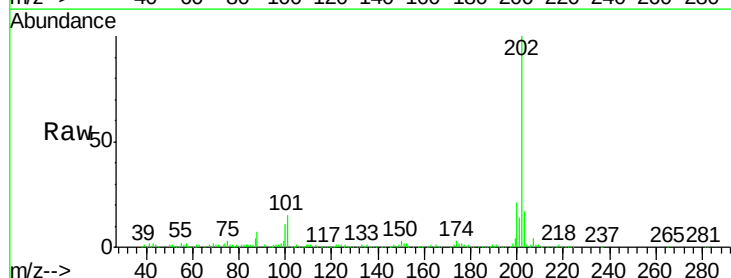
Tgt Ion:202 Resp: 277809

Ion Ratio Lower Upper

202 100

101 15.1 9.9 14.9#

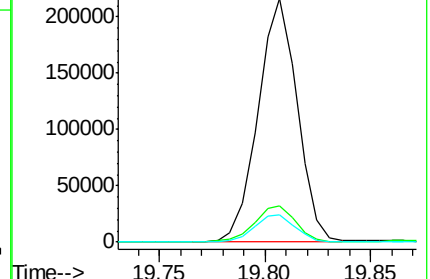
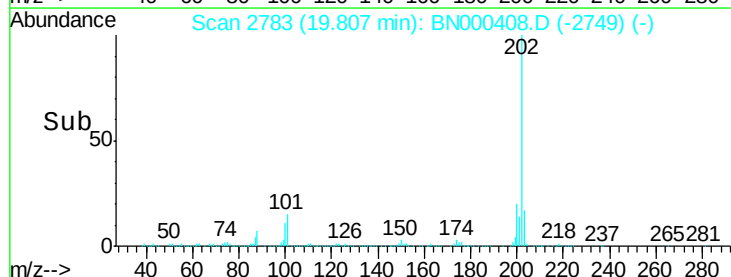
100 11.3 7.4 11.0#

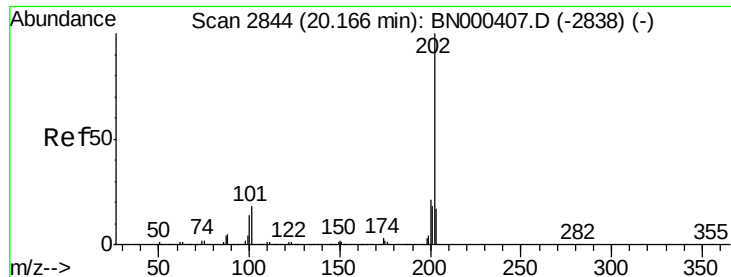


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pvrene

Concen: 3.647 ng/ul

RT: 20.17 min Scan# 2844

Delta R.T. 0.00 min

Lab File: BN000408.D

Acq: 15 Mar 2018 10:47

Instrument :

BNA_N

ClientSampled :

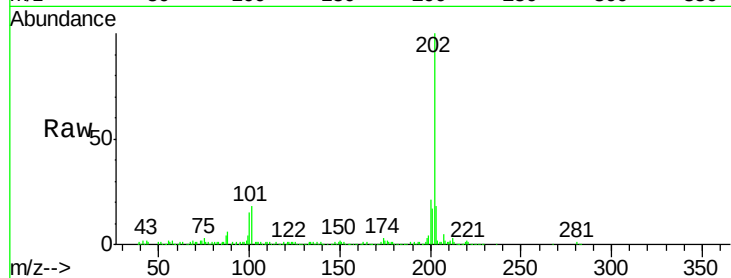
Tot Ion:202 Resp: 252348

Ion Ratio Lower Upper

202 100

101 17.7 11.0 16.4#

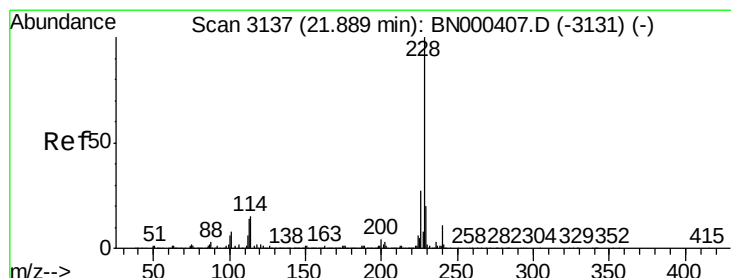
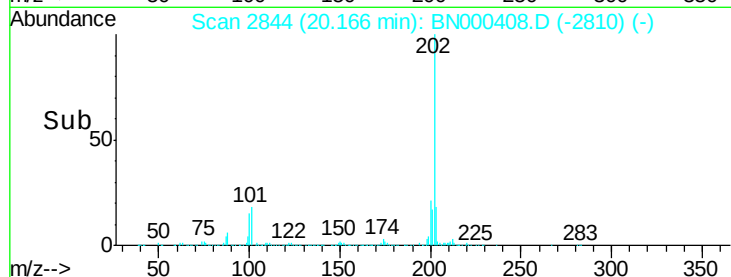
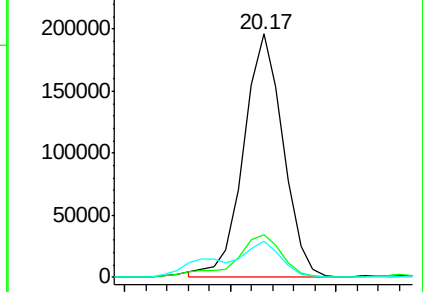
100 14.8 8.1 12.1#



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): E



#20

Benzo(a)anthracene

Concen: 2.183 ng/ul

RT: 21.89 min Scan# 3137

Delta R.T. 0.00 min

Lab File: BN000408.D

Acq: 15 Mar 2018 10:47

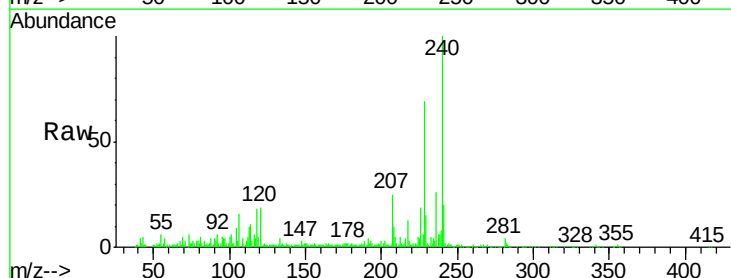
Tgt Ion:228 Resp: 148761

Ion Ratio Lower Upper

228 100

229 21.6 15.7 23.5

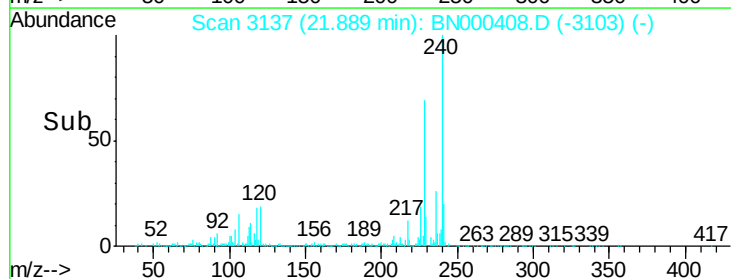
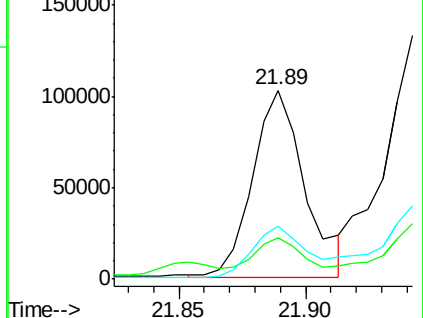
226 28.1 21.1 31.7

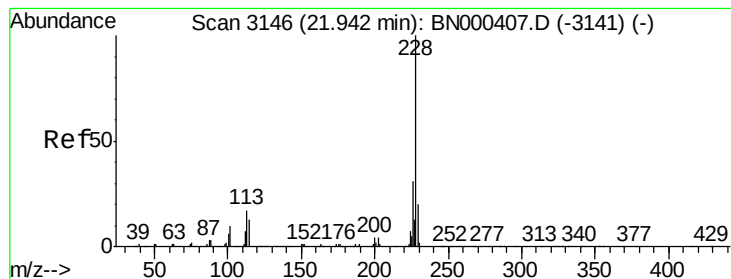


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 3.190 ng/ul

RT: 21.94 min Scan# 3146

Delta R.T. 0.00 min

Lab File: BN000408.D

Acq: 15 Mar 2018 10:47

Instrument :

BNA_N

ClientSampleId :

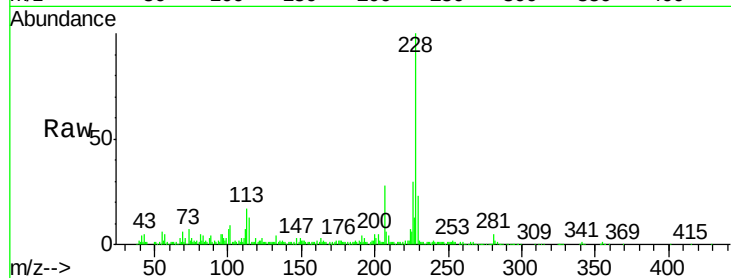
Tot Ion:228 Resp: 206239

Ion Ratio Lower Upper

228 100

226 29.9 24.5 36.7

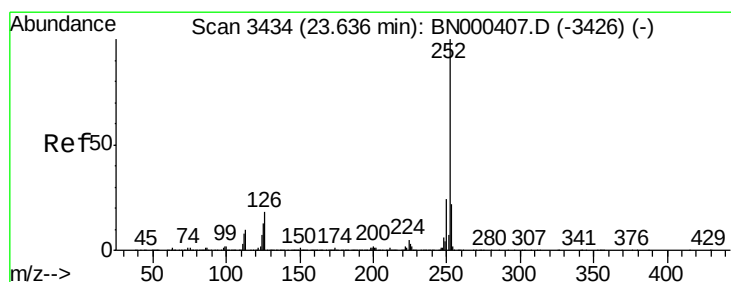
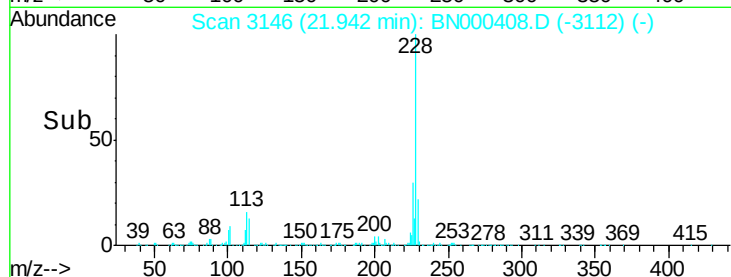
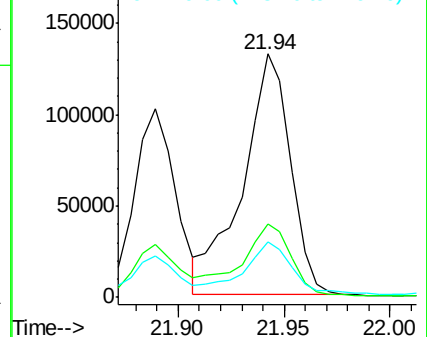
229 22.6 15.8 23.8



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: 4.138 ng/ul

RT: 23.64 min Scan# 3434

Delta R.T. 0.00 min

Lab File: BN000408.D

Acq: 15 Mar 2018 10:47

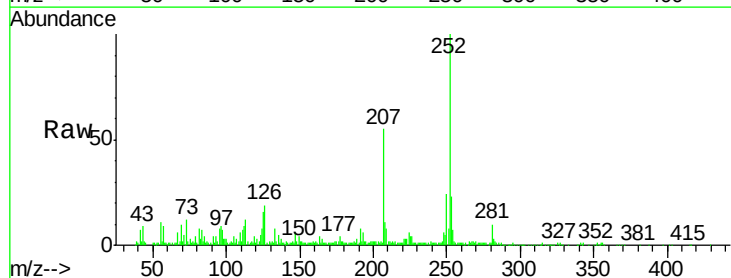
Tgt Ion:252 Resp: 244396

Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

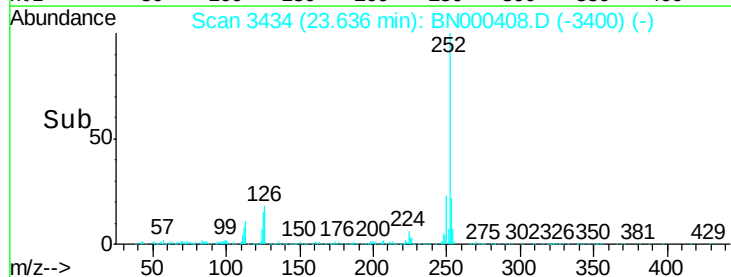
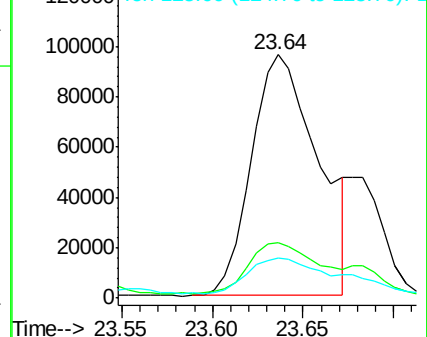
125 16.5 8.0 12.0#

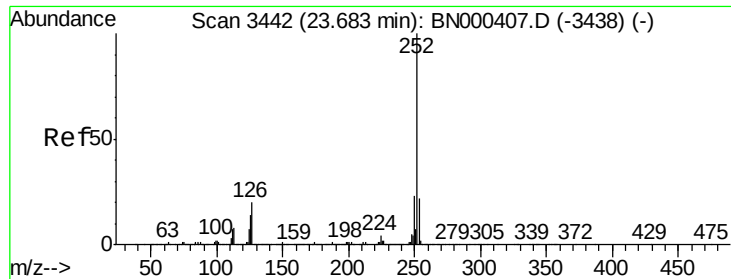


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

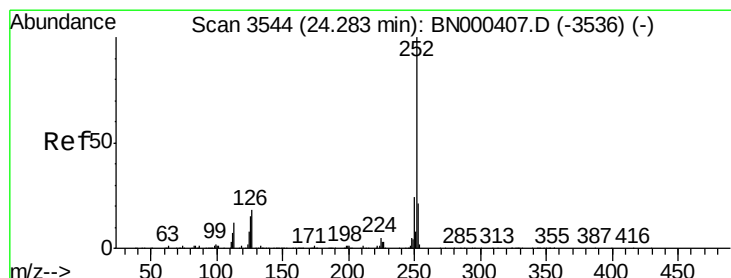
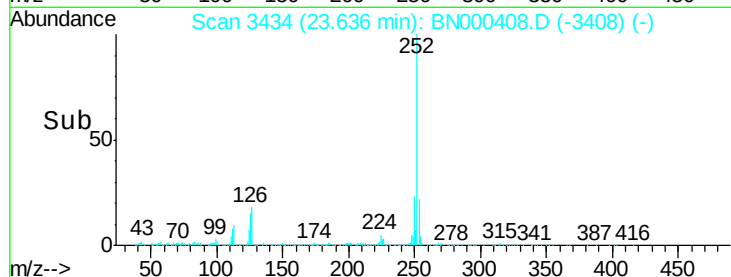
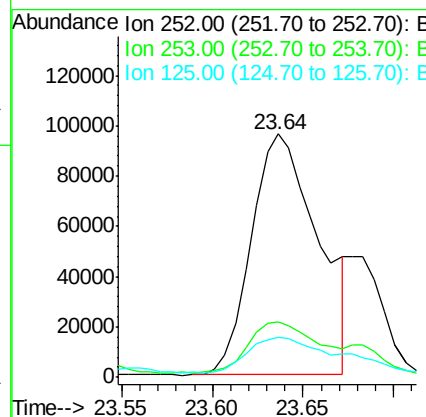
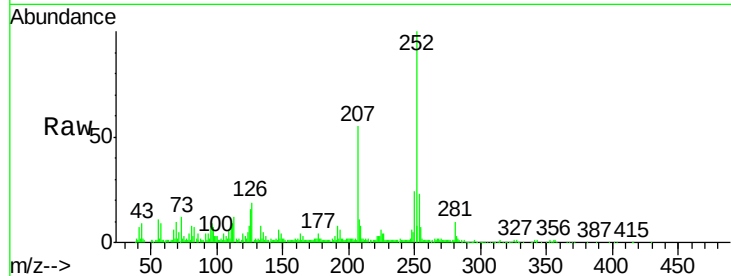




#24
Benzo(k)fluoranthene
Concen: 4.421 ng/ul
RT: 23.64 min Scan# 3434
Delta R.T. -0.05 min
Lab File: BN000408.D
Acq: 15 Mar 2018 10:47

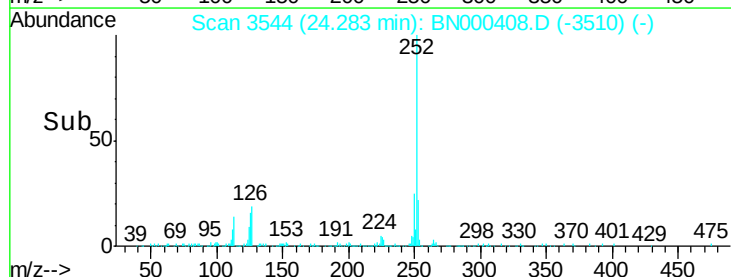
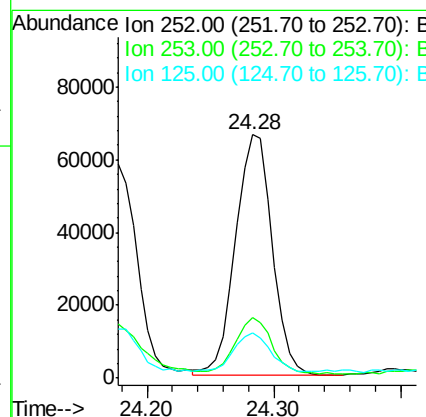
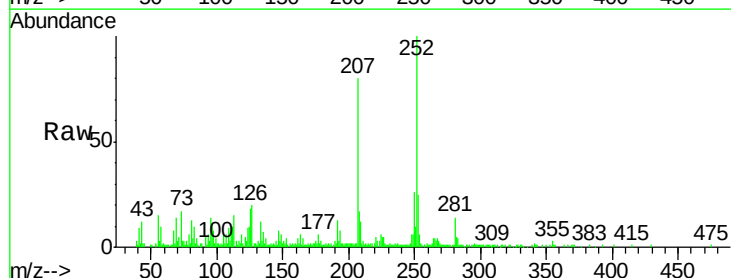
Instrument :
BNA_N
ClientSampleId :

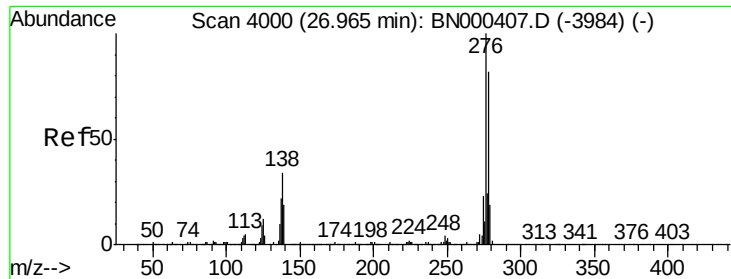
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	16.5	8.1	12.1



#26
Benzo(a)pyrene
Concen: 2.353 ng/ul
RT: 24.28 min Scan# 3544
Delta R.T. 0.00 min
Lab File: BN000408.D
Acq: 15 Mar 2018 10:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.2	25.8
125	18.4	8.2	12.4



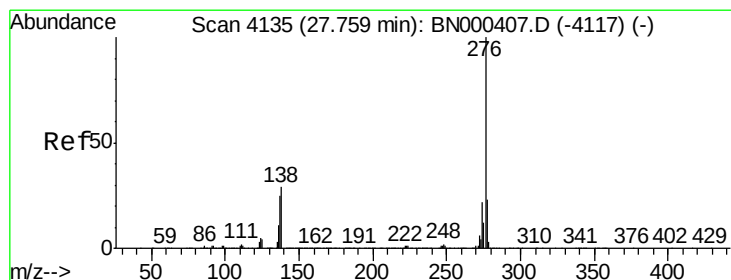
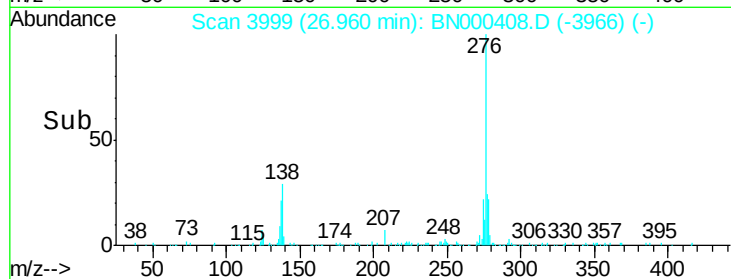
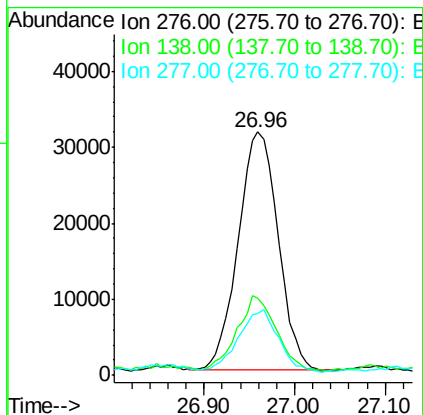
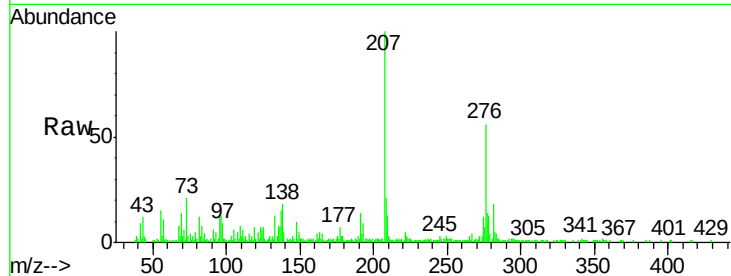


#27

Indeno(1,2,3-cd)pyrene
Concen: 1.581 ng/ul
RT: 26.96 min Scan# 3999
Delta R.T. -0.01 min
Lab File: BN000408.D
Acq: 15 Mar 2018 10:47

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.6	14.4	21.6#
277	25.7	18.0	27.0



#29

Benzo(g,h,i)perylene
Concen: 1.888 ng/ul
RT: 27.75 min Scan# 4134
Delta R.T. -0.01 min
Lab File: BN000408.D
Acq: 15 Mar 2018 10:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.1	15.3	22.9#
277	23.8	19.0	28.4

