

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031518\
 Data File : BN000409.D
 Acq On : 15 Mar 2018 11:22
 Operator : JU/SJ
 Sample : J1866-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 16 05:43:28 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

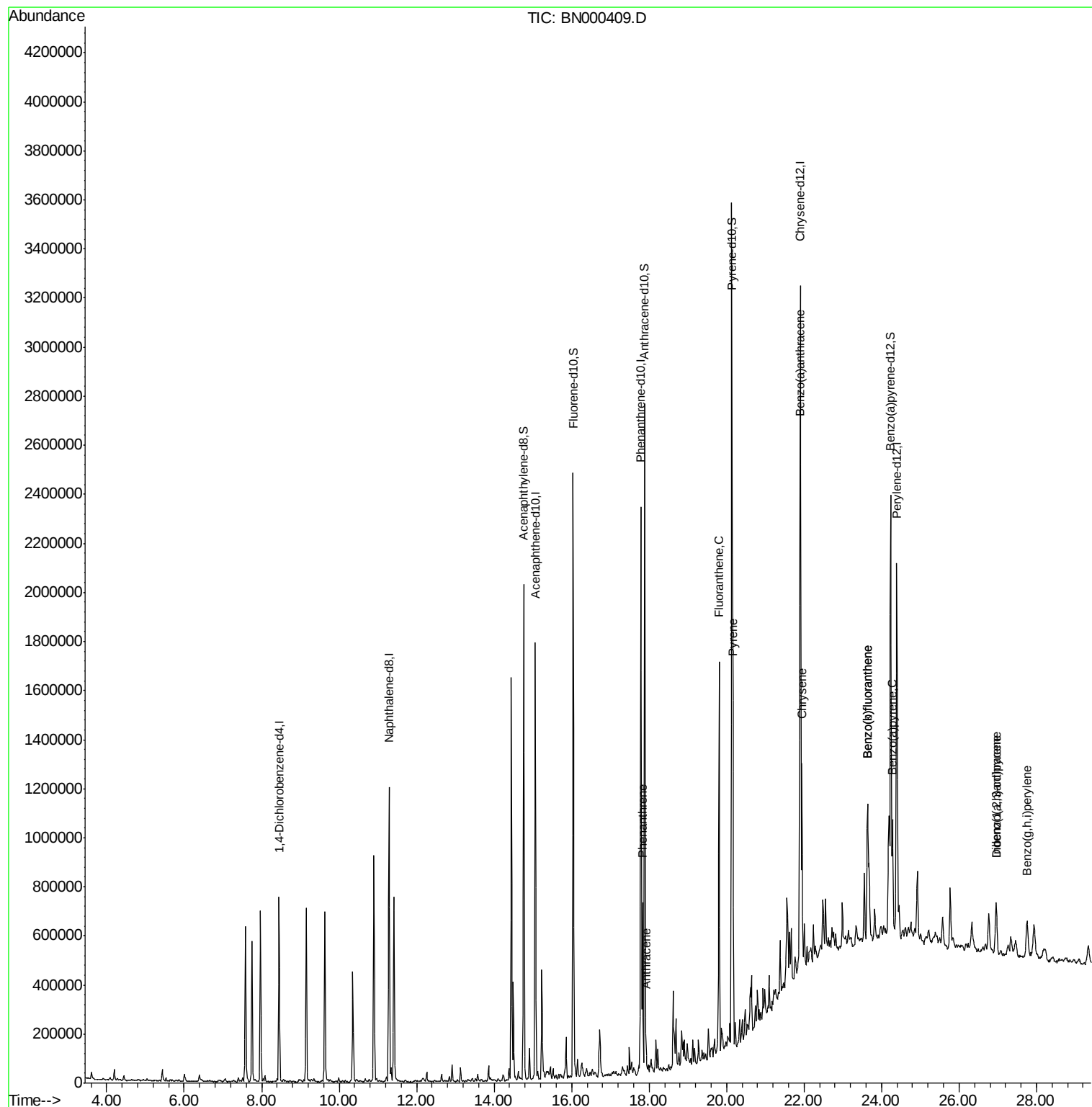
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	206608	20.00	ng/ul	0.00
2) Naphthalene-d8	11.29	136	1007533	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.07	164	575291	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.79	188	1280651	20.00	ng/ul	0.00
17) Chrysene-d12	21.91	240	1166646	20.00	ng/ul	0.00
22) Perylene-d12	24.39	264	1063317	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.76	160	1417983	24.83	ng/ul	0.00
10) Fluorene-d10	16.04	176	933174	24.13	ng/ul	0.00
14) Anthracene-d10	17.88	188	1438723	24.04	ng/ul	0.00
18) Pyrene-d10	20.14	212	1565439	27.43	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.24	264	1193215	24.57	ng/ul	0.00
Target Compounds				Ovalue		
13) Phenanthrene	17.83	178	393145	5.353	ng/ul	99
15) Anthracene	17.92	178	78902	1.059	ng/ul	99
16) Fluoranthene	19.81	202	869926	10.963	ng/ul#	94
19) Pyrene	20.17	202	732662	9.947	ng/ul#	89
20) Benzo(a)anthracene	21.89	228	438138	6.041	ng/ul	97
21) Chrysene	21.94	228	444069	6.452	ng/ul	97
23) Benzo(b)fluoranthene	23.64	252	513539	8.099	ng/ul#	95
24) Benzo(k)fluoranthene	23.64	252	513539	8.652	ng/ul#	95
26) Benzo(a)pyrene	24.28	252	321854	5.333	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	26.96	276	193936	2.981	ng/ul#	83
28) Dibenzo(a,h)anthracene	26.96	278	57008	1.069	ng/ul#	82
29) Benzo(g,h,i)perylene	27.76	276	196309	3.613	ng/ul#	86

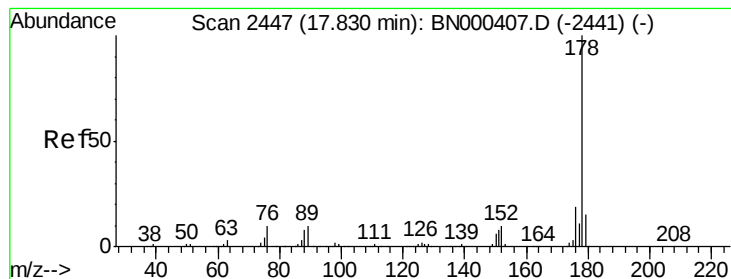
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Phenanthrene

Concen: 5.353 ng/ul

RT: 17.83 min Scan# 2447

Delta R.T. -0.00 min

Lab File: BN000409.D

Acq: 15 Mar 2018 11:22

Instrument :

BNA_N

ClientSampleId :

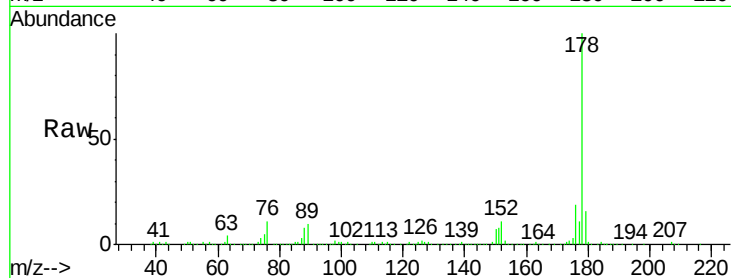
Tot Ion:178 Resp: 393145

Ion Ratio Lower Upper

178 100

179 15.8 12.3 18.5

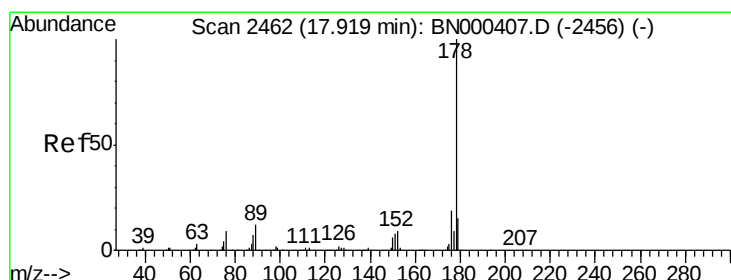
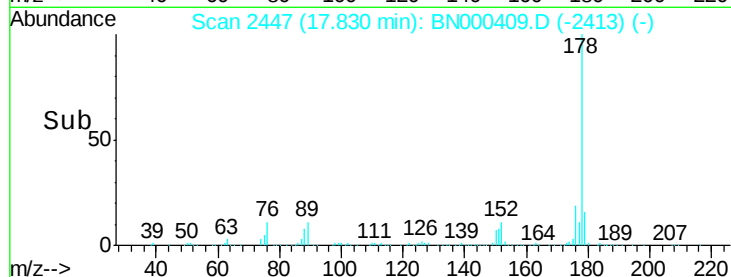
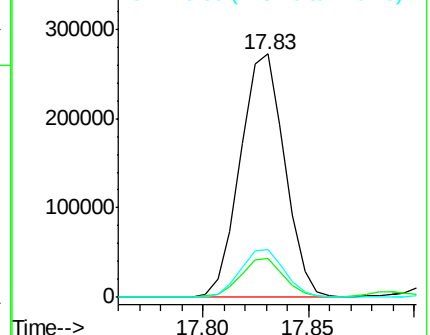
176 19.5 15.1 22.7



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: 1.059 ng/ul

RT: 17.92 min Scan# 2462

Delta R.T. -0.00 min

Lab File: BN000409.D

Acq: 15 Mar 2018 11:22

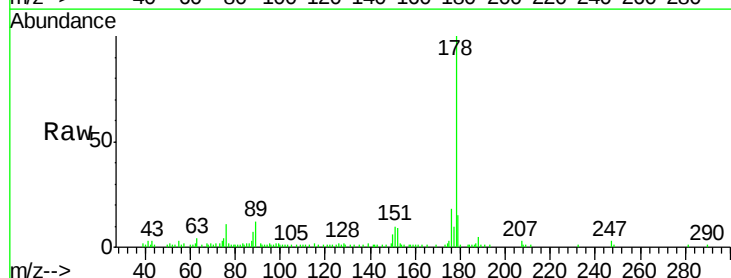
Tgt Ion:178 Resp: 78902

Ion Ratio Lower Upper

178 100

179 14.8 11.8 17.8

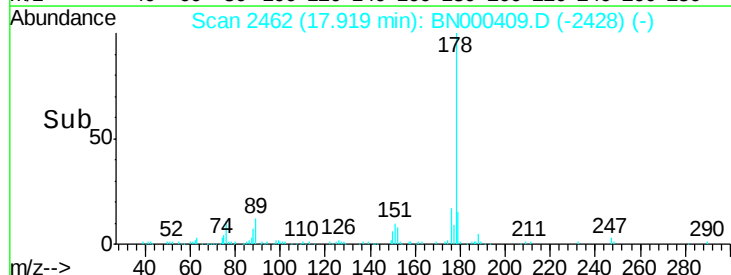
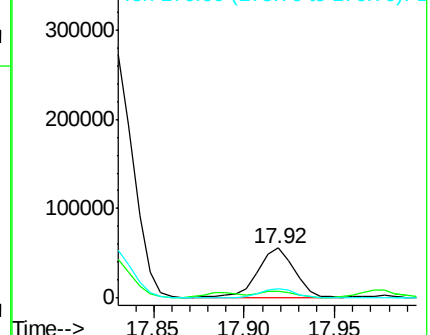
176 18.5 15.2 22.8

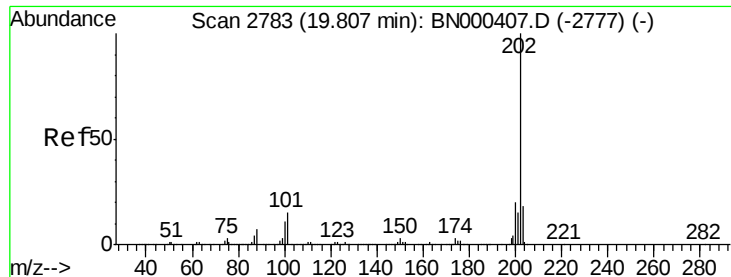


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 10.963 ng/ul

RT: 19.81 min Scan# 2783

Delta R.T. -0.00 min

Lab File: BN000409.D

Acq: 15 Mar 2018 11:22

Instrument :

BNA_N

ClientSampleId :

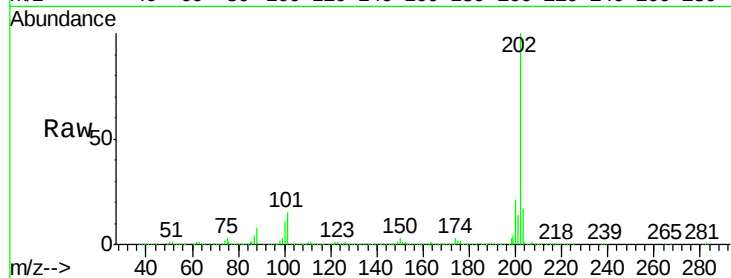
Tot Ion:202 Resp: 869926

Ion Ratio Lower Upper

202 100

101 14.9 9.9 14.9#

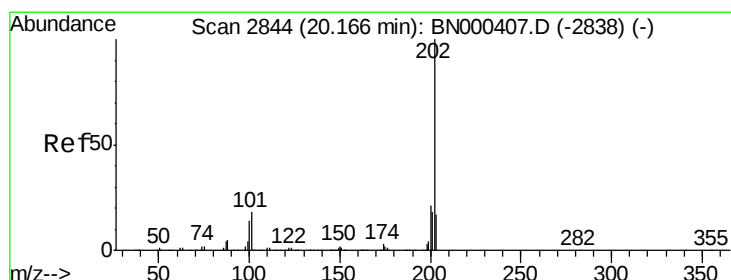
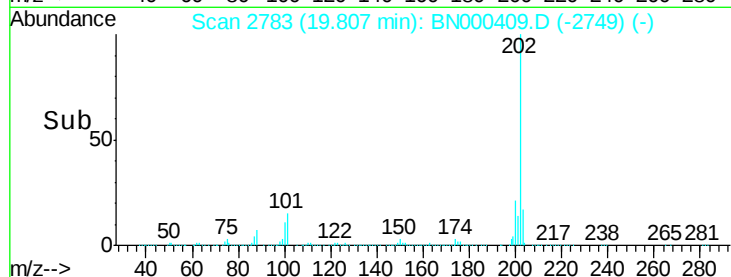
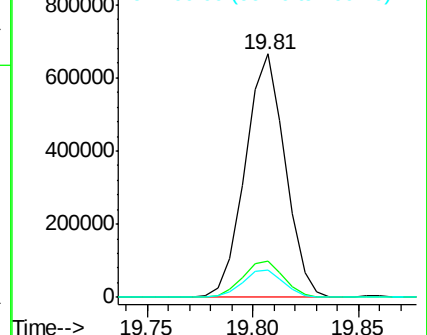
100 11.4 7.4 11.0#



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: 9.947 ng/ul

RT: 20.17 min Scan# 2844

Delta R.T. -0.00 min

Lab File: BN000409.D

Acq: 15 Mar 2018 11:22

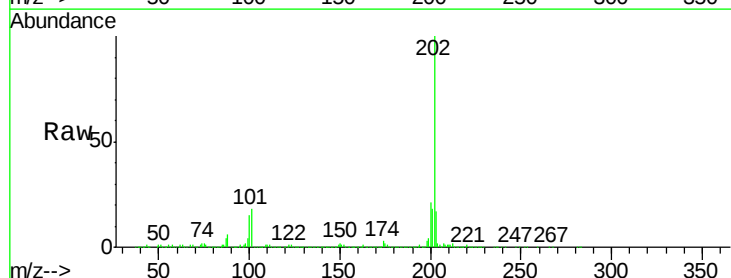
Tgt Ion:202 Resp: 732662

Ion Ratio Lower Upper

202 100

101 18.0 11.0 16.4#

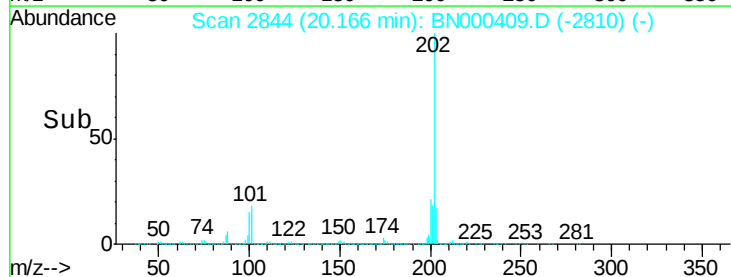
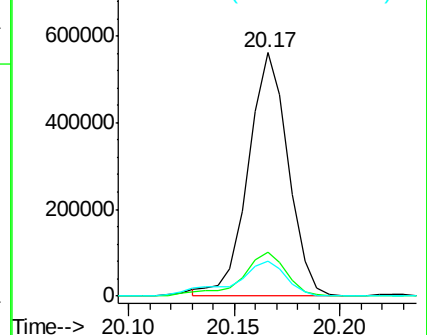
100 14.6 8.1 12.1#

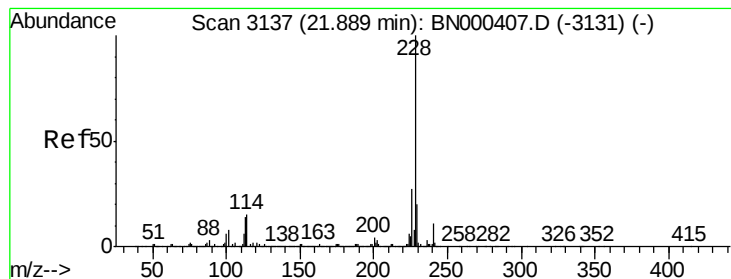


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 6.041 ng/ul

RT: 21.89 min Scan# 3137

Delta R.T. -0.00 min

Lab File: BN000409.D

Acq: 15 Mar 2018 11:22

Instrument :

BNA_N

ClientSampleId :

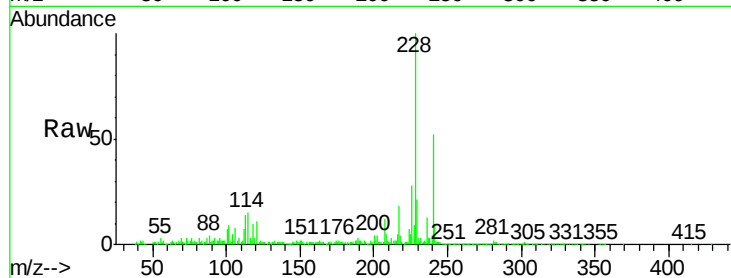
Tot Ion:228 Resp: 438138

Ion Ratio Lower Upper

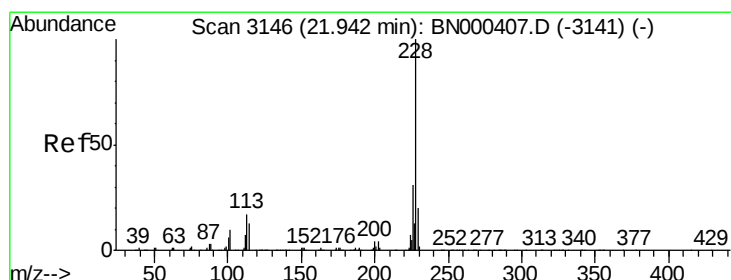
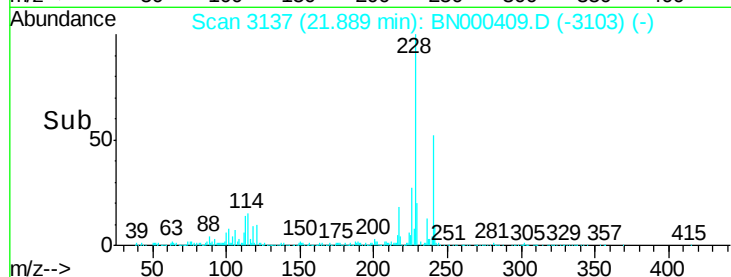
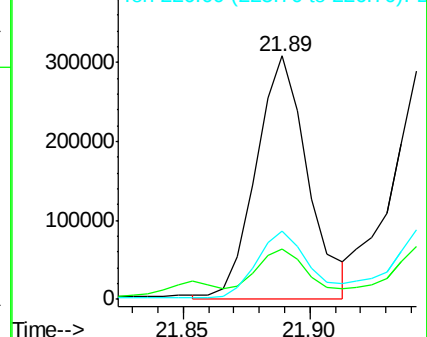
228 100

229 20.9 15.7 23.5

226 27.8 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: 6.452 ng/ul

RT: 21.94 min Scan# 3146

Delta R.T. -0.00 min

Lab File: BN000409.D

Acq: 15 Mar 2018 11:22

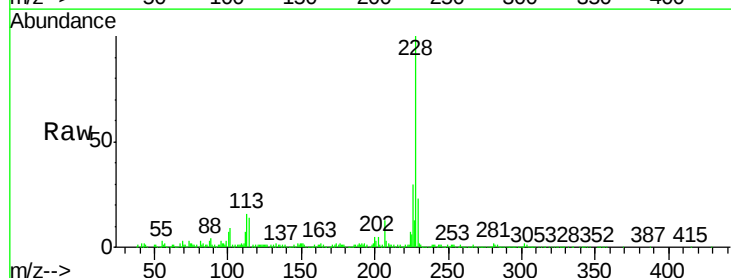
Tgt Ion:228 Resp: 444069

Ion Ratio Lower Upper

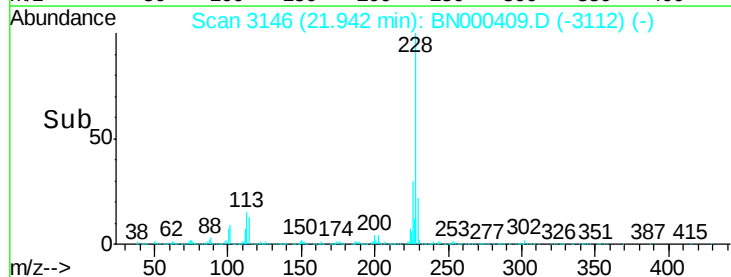
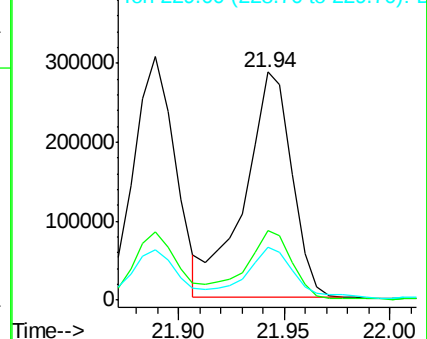
228 100

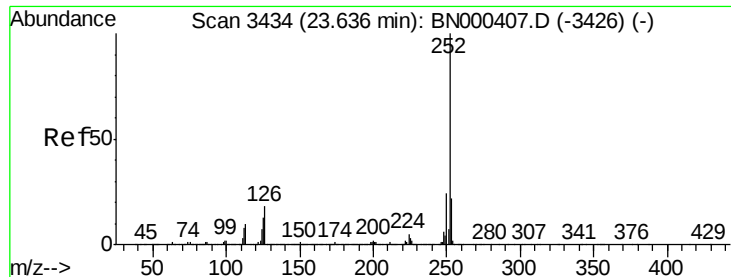
226 30.4 24.5 36.7

229 22.9 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: 8.099 ng/ul

RT: 23.64 min Scan# 3434

Delta R.T. -0.00 min

Lab File: BN000409.D

Acq: 15 Mar 2018 11:22

Instrument :

BNA_N

ClientSampleId :

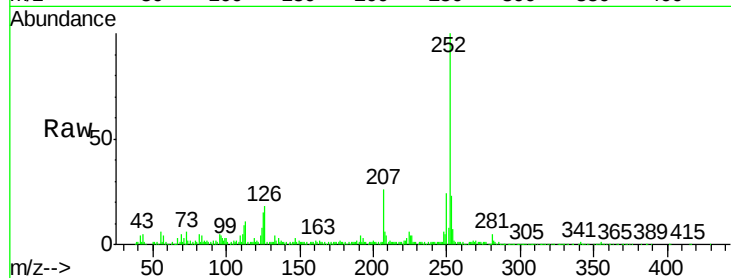
Tot Ion:252 Resp: 513539

Ion Ratio Lower Upper

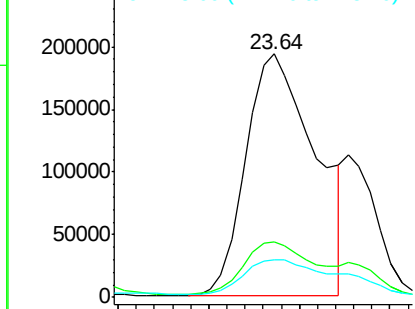
252 100

253 22.8 18.0 27.0

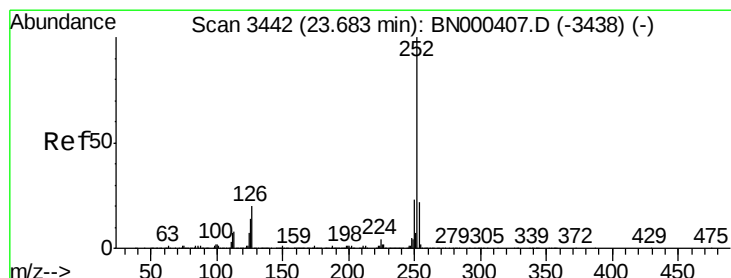
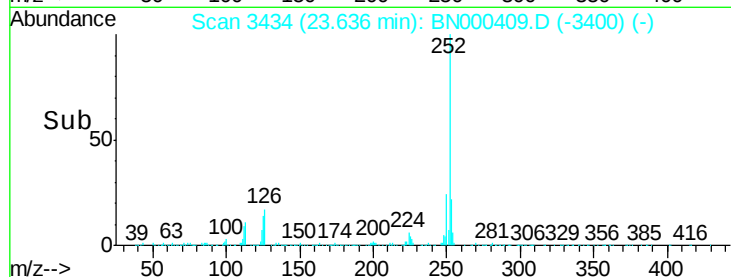
125 15.3 8.0 12.0#



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



Time--> 23.55 23.60 23.65



#24

Benzo(k)fluoranthene

Concen: 8.652 ng/ul

RT: 23.64 min Scan# 3434

Delta R.T. -0.05 min

Lab File: BN000409.D

Acq: 15 Mar 2018 11:22

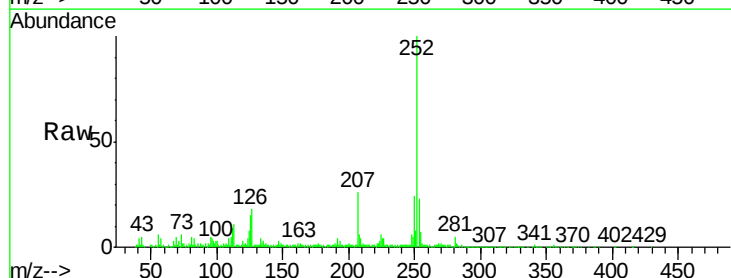
Tgt Ion:252 Resp: 513539

Ion Ratio Lower Upper

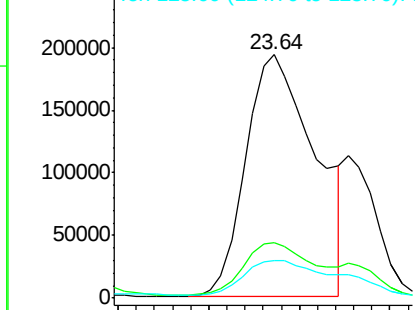
252 100

253 22.8 18.0 27.0

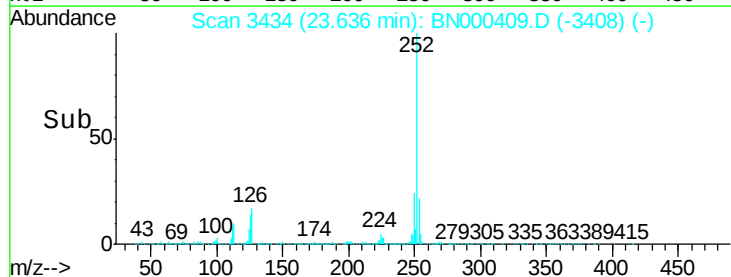
125 15.3 8.1 12.1#

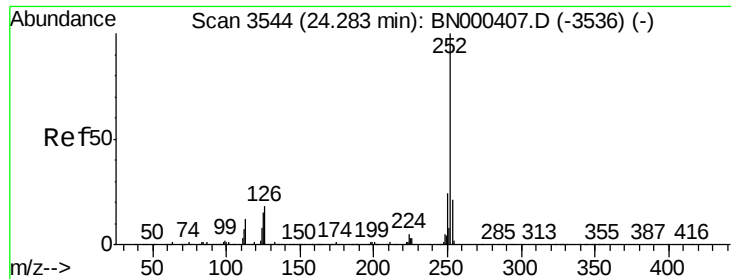


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time--> 23.55 23.60 23.65

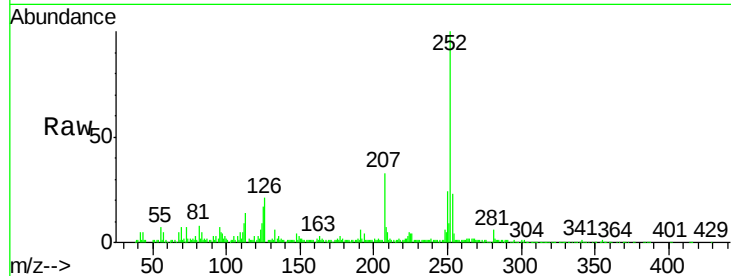




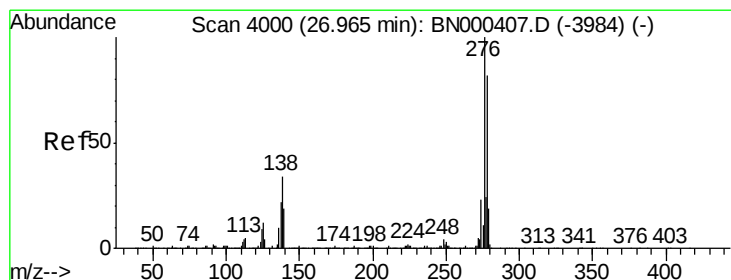
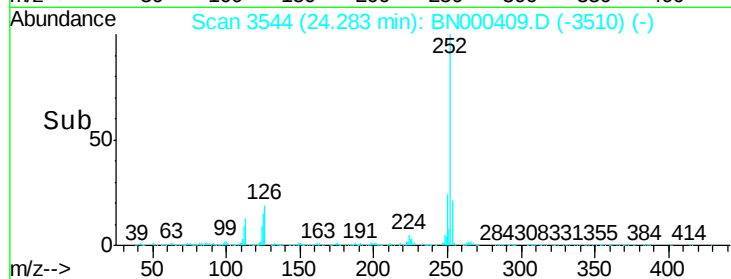
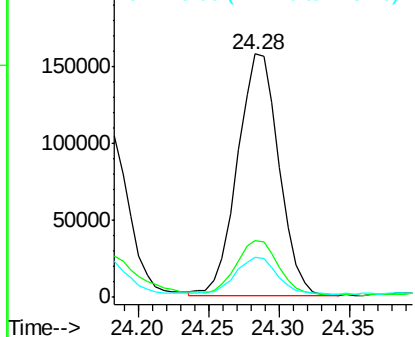
#26
Benzo(a)pyrene
Concen: 5.333 ng/ul
RT: 24.28 min Scan# 3544
Delta R.T. -0.00 min
Lab File: BN000409.D
Acq: 15 Mar 2018 11:22

Instrument :
BNA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.2	25.8
125	16.6	8.2	12.4

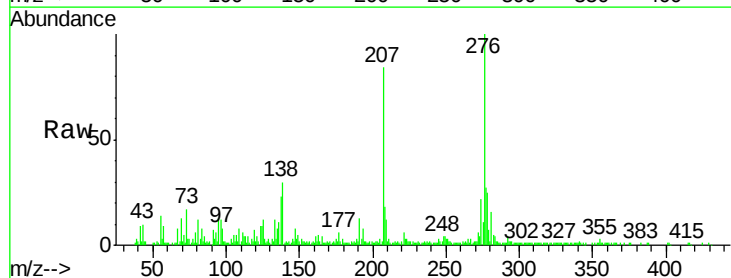


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

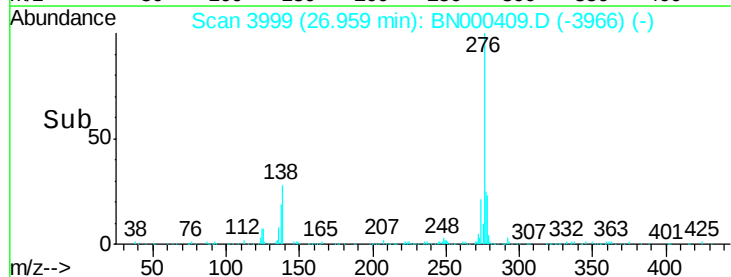
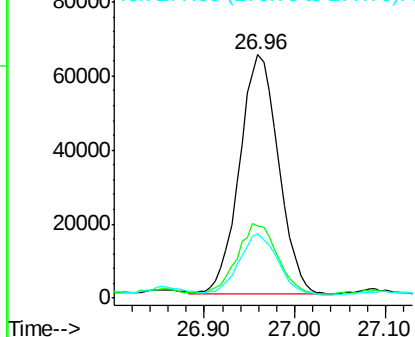


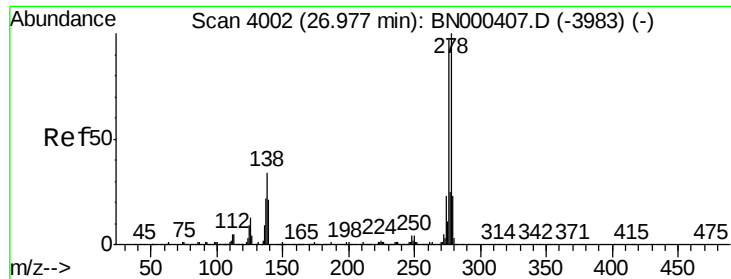
#27
Indeno(1,2,3-cd)pyrene
Concen: 2.981 ng/ul
RT: 26.96 min Scan# 3999
Delta R.T. -0.01 min
Lab File: BN000409.D
Acq: 15 Mar 2018 11:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.8	14.4	21.6
277	26.5	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: 1.069 ng/ul

RT: 26.96 min Scan# 3999

Delta R.T. -0.02 min

Lab File: BN000409.D

Acq: 15 Mar 2018 11:22

Instrument :

BNA_N

ClientSampleId :

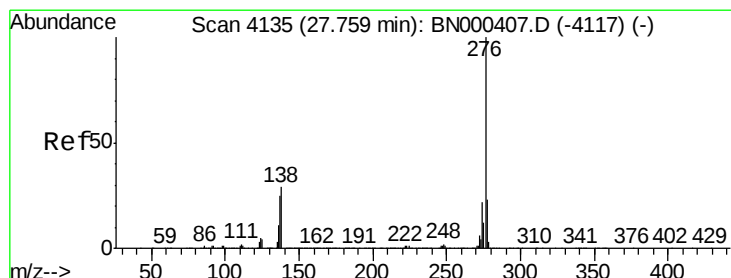
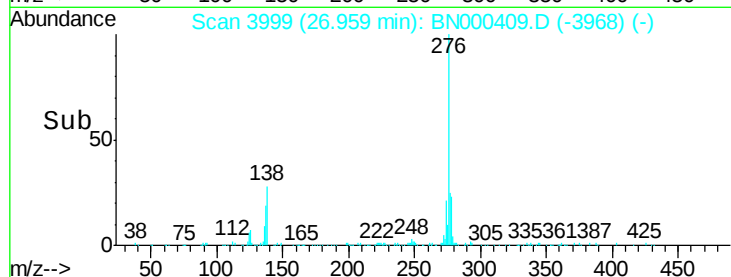
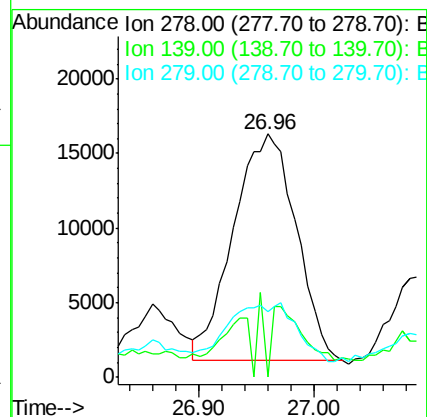
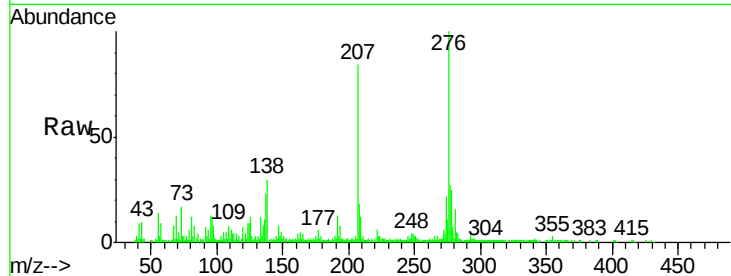
Tot Ion:278 Resp: 57008

Ion Ratio Lower Upper

278 100

139 0.0 12.2 18.4#

279 27.1 19.2 28.8



#29

Benzo(g,h,i)perylene

Concen: 3.613 ng/ul

RT: 27.76 min Scan# 4135

Delta R.T. -0.00 min

Lab File: BN000409.D

Acq: 15 Mar 2018 11:22

Tgt Ion:276 Resp: 196309

Ion Ratio Lower Upper

276 100

138 31.3 15.3 22.9#

277 25.0 19.0 28.4

