Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082915\
Data File : BM002574.D
Acq On : 29 Aug 2015 20:56
Operator : UM/IZ
Sample : G3455-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9E78

Quant Time: Aug 31 01:13:31 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 31 01:07:40 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	171210	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	745186	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	340332	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.07	188	563155	20.00	ng/ul	0.00
17) Chrysene-d12	22.16	240	511646	20.00	ng/ul	0.00
22) Perylene-d12	24.79	264	530884	20.00	ng/ul	0.01
System Monitoring Compounds						
7) Acenaphthylene-d8	15.07	160	521383	14.98	ng/ul	0.00
10) Fluorene-d10	16.34	176	322447	13.19	ng/ul	0.00
14) Anthracene-d10	18.17	188	389725	14.35	ng/ul	0.00
18) Pyrene-d10	20.40	212	330120	14.56	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.61	264	284079	10.19	ng/ul	0.01
Target Compounds						Qvalue
4) 2-Methylnaphthalene	13.25	142	30898	1.08	ng/ul	93
8) Acenaphthylene	15.10	152	103398	2.84	ng/ul	98
13) Phenanthrene	18.12	178	413704	12.72	ng/ul	99
15) Anthracene	18.21	178	137780	4.18	ng/ul	99
16) Fluoranthene	20.07	202	803672	21.83	ng/ul	96
19) Pyrene	20.43	202	664436	22.17	ng/ul	98
20) Benzo(a)anthracene	22.14	228	464574	15.18	ng/ul	99
21) Chrysene	22.20	228	420898	14.71	ng/ul	96
23) Benzo(b)fluoranthene	23.97	252	672680	20.96	ng/ul	96
24) Benzo(k)fluoranthene	24.18	252	116206	3.82	ng/ul#	84
26) Benzo(a)pyrene	24.67	252	482437	15.74	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	27.55	276	384084	10.89	ng/ul	96
28) Dibenzo(a,h)anthracene	27.54	278	102481	3.48	ng/ul#	68
29) Benzo(g,h,i)perylene	28.42	276	378545	12.90	ng/ul	97

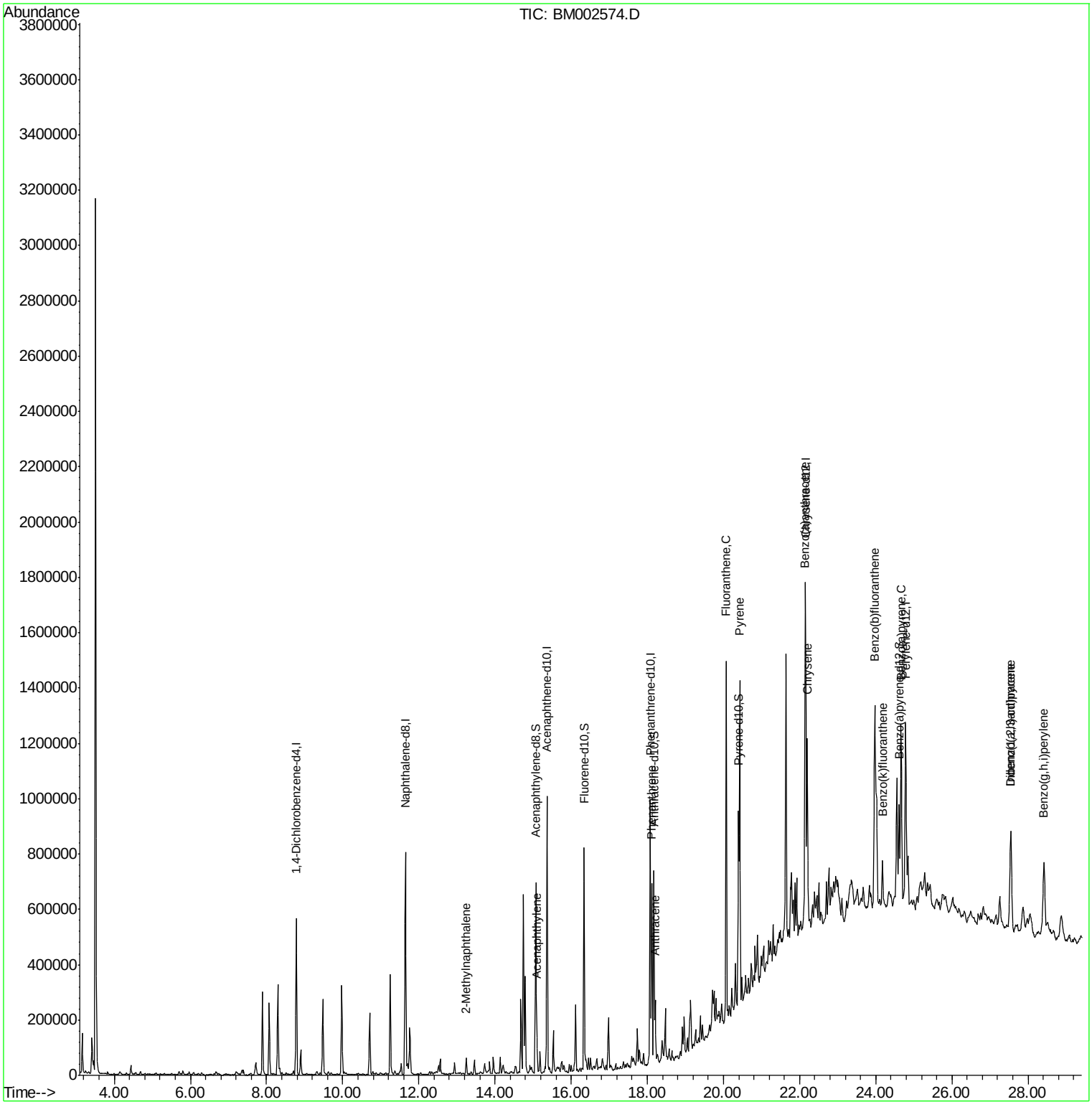
(#) = qualifier out of range (m) = manual integration (+) = signals summed

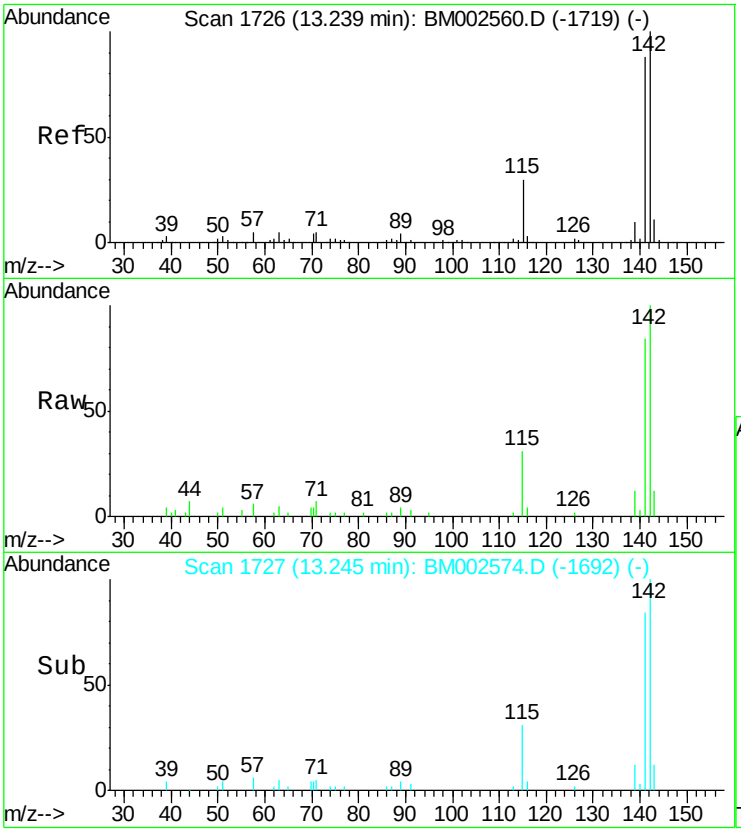
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082915\
Data File : BM002574.D
Acq On : 29 Aug 2015 20:56
Operator : UM/IZ
Sample : G3455-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9E78

Quant Time: Aug 31 01:13:31 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 31 01:07:40 2015
Response via : Initial Calibration



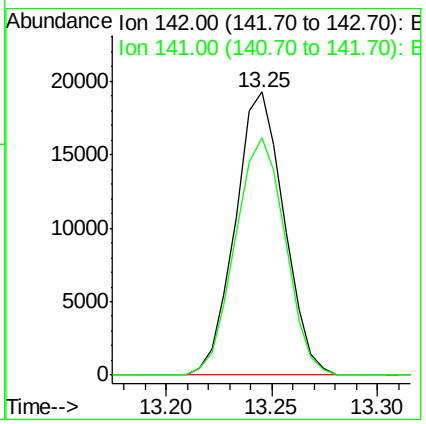


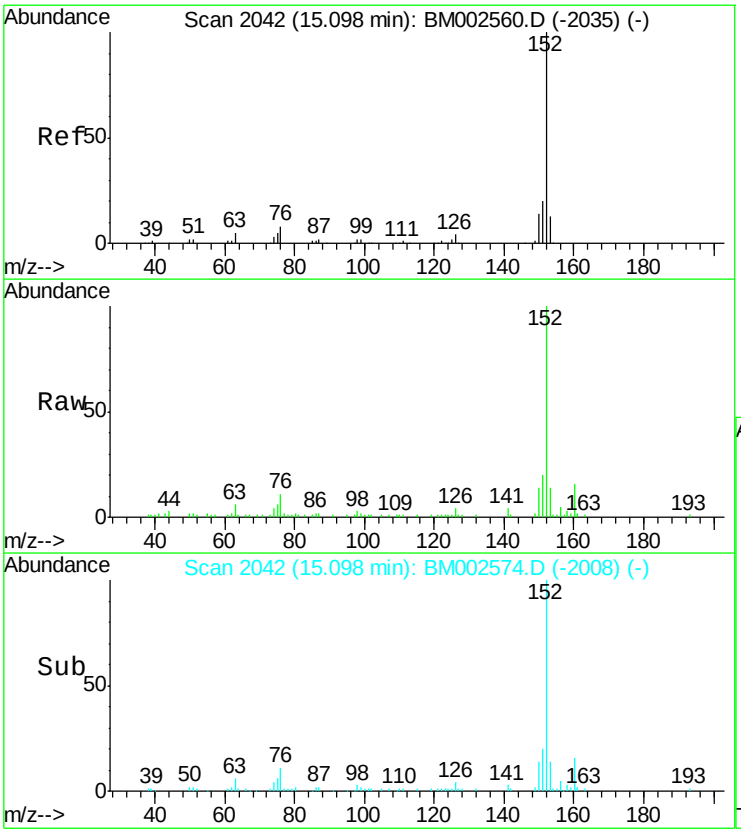
#4
2-Methylnaphthalene
Concen: 1.08 ng/ul
RT: 13.25 min Scan# 1727
Delta R.T. 0.01 min
Lab File: BM002574.D
Acq: 29 Aug 2015 20:56

Instrument :
BNA_M
ClientSampleId :
D9E78

Tgt Ion:142 Resp: 30898

Ion	Ratio	Lower	Upper
142	100		
141	83.7	72.2	108.2

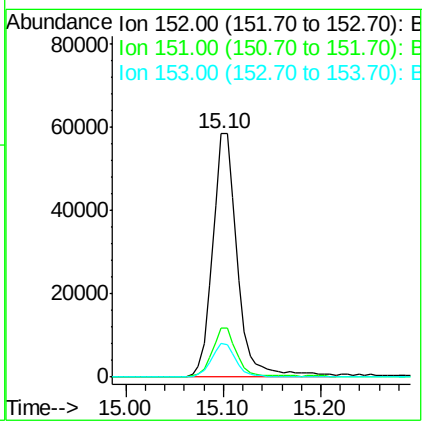


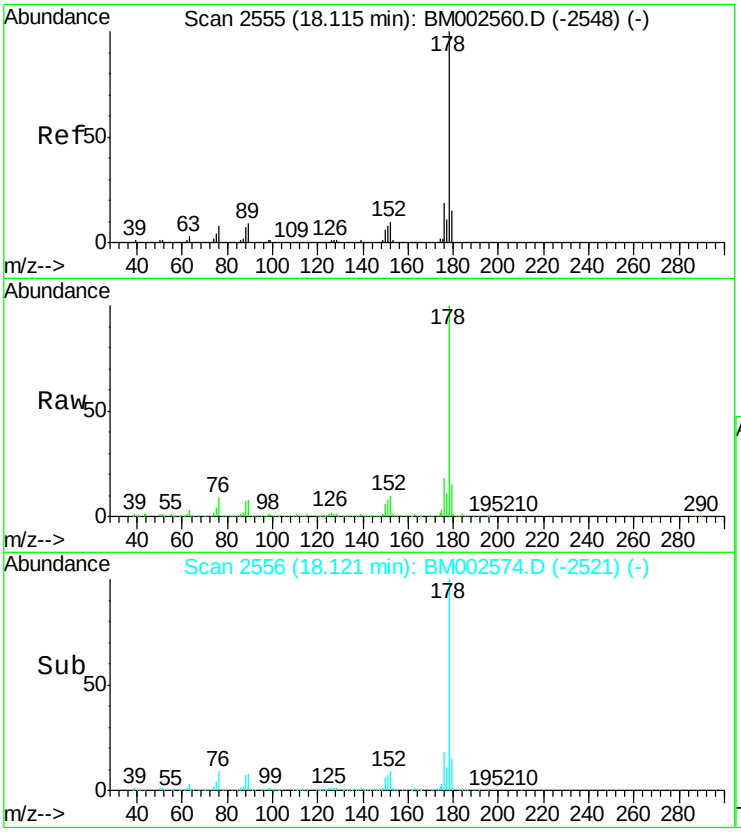


#8
Acenaphthylene
Concen: 2.84 ng/ul
RT: 15.10 min Scan# 2042
Delta R.T. 0.00 min
Lab File: BM002574.D
Acq: 29 Aug 2015 20:56

Tgt Ion:152 Resp: 103398

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.7	23.5
153	13.8	10.2	15.4



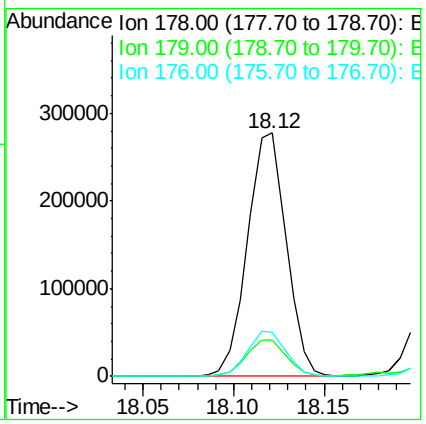


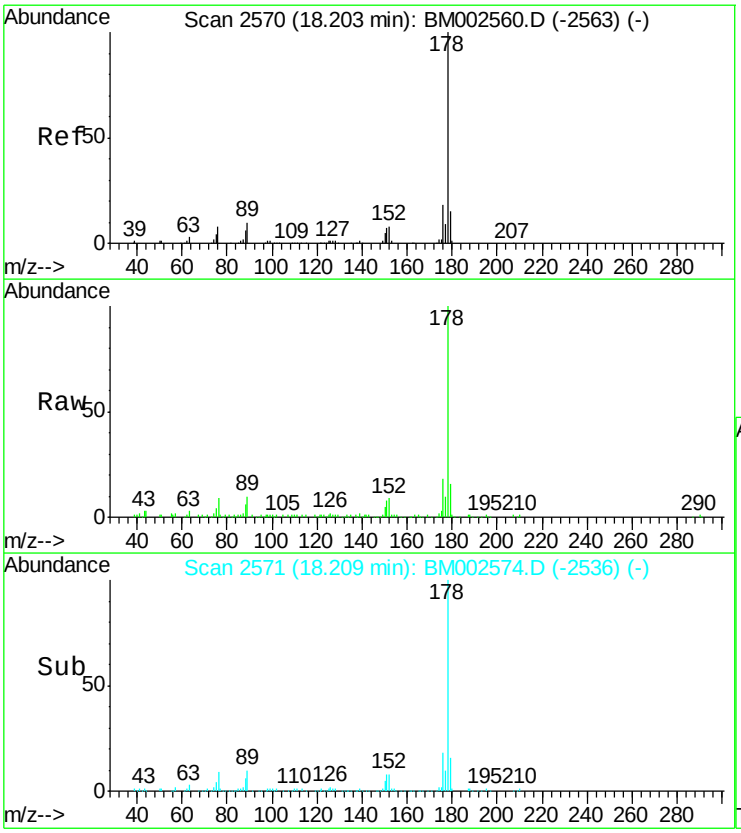
#13
Phenanthrene
Concen: 12.72 ng/ul
RT: 18.12 min Scan# 2556
Delta R.T. 0.01 min
Lab File: BM002574.D
Acq: 29 Aug 2015 20:56

Instrument :
BNA_M
ClientSampleId :
D9E78

Tgt Ion:178 Resp: 413704

Ion	Ratio	Lower	Upper
178	100		
179	14.8	12.4	18.6
176	18.3	15.1	22.7

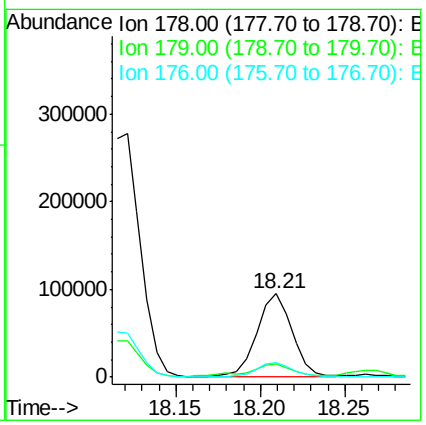


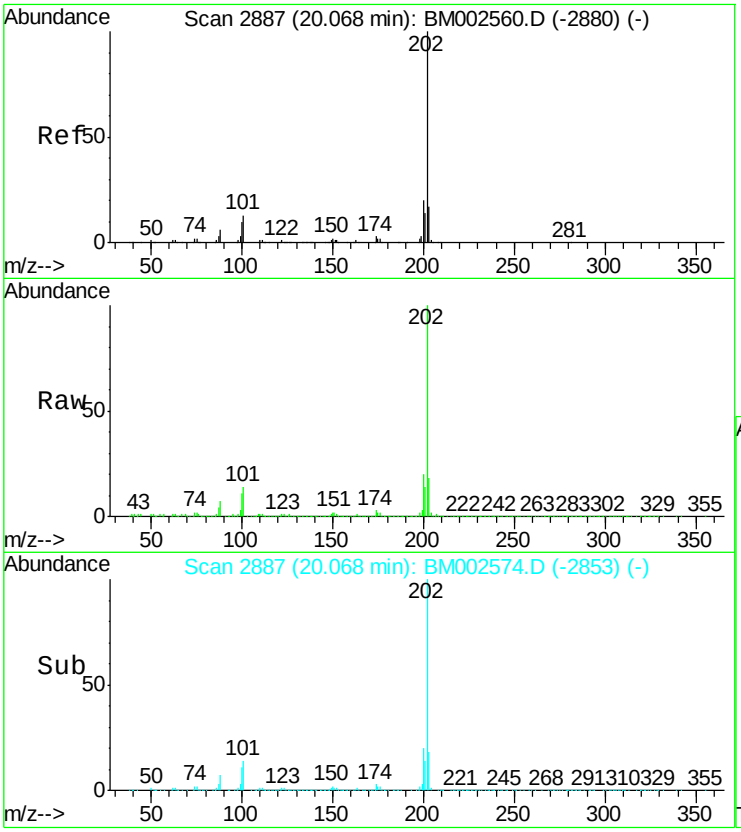


#15
Anthracene
Concen: 4.18 ng/ul
RT: 18.21 min Scan# 2571
Delta R.T. 0.01 min
Lab File: BM002574.D
Acq: 29 Aug 2015 20:56

Tgt Ion:178 Resp: 137780

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.6	18.8
176	17.6	14.5	21.7



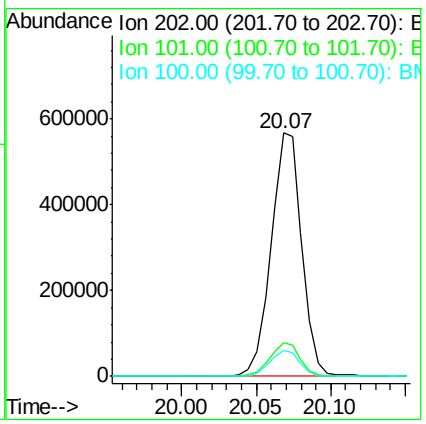


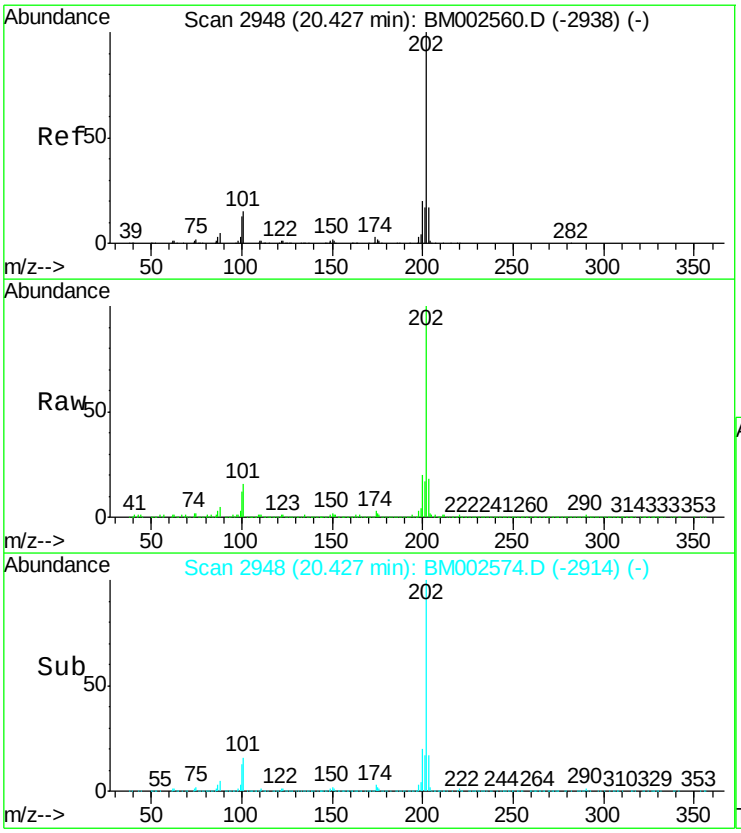
#16
Fluoranthene
Concen: 21.83 ng/ul
RT: 20.07 min Scan# 2887
Delta R.T. 0.00 min
Lab File: BM002574.D
Acq: 29 Aug 2015 20:56

Instrument :
BNA_M
ClientSampleId :
D9E78

Tgt Ion:202 Resp: 803672

Ion	Ratio	Lower	Upper
202	100		
101	14.0	9.7	14.5
100	10.7	7.4	11.2

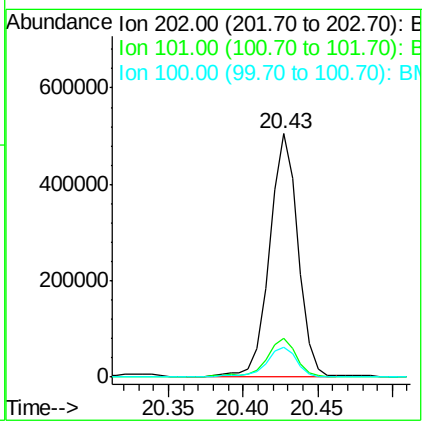


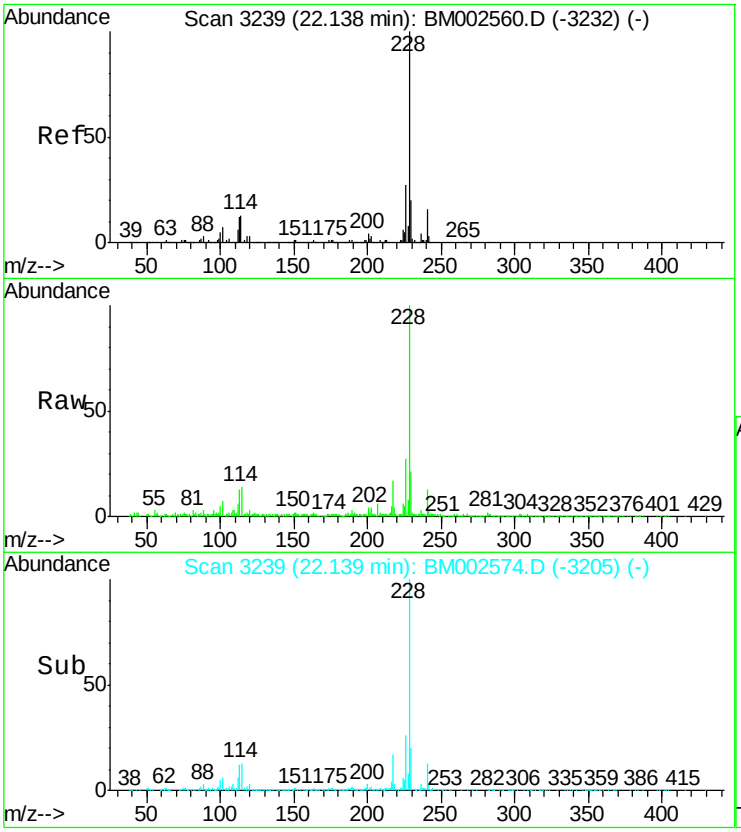


#19
Pyrene
Concen: 22.17 ng/ul
RT: 20.43 min Scan# 2948
Delta R.T. 0.00 min
Lab File: BM002574.D
Acq: 29 Aug 2015 20:56

Tgt Ion:202 Resp: 664436

Ion	Ratio	Lower	Upper
202	100		
101	16.0	12.0	18.0
100	12.5	9.7	14.5



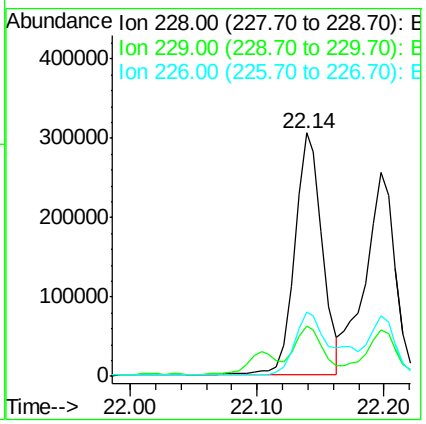


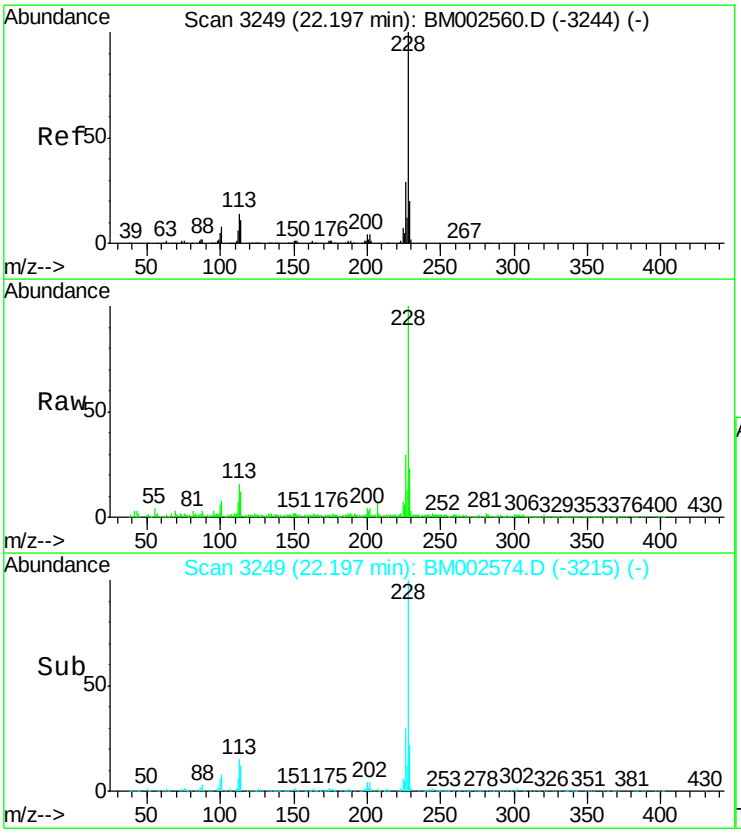
#20
Benzo(a)anthracene
Concen: 15.18 ng/ul
RT: 22.14 min Scan# 3239
Delta R.T. 0.00 min
Lab File: BM002574.D
Acq: 29 Aug 2015 20:56

Instrument :
BNA_M
ClientSampleId :
D9E78

Tgt Ion:228 Resp: 464574

Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.8	23.6
226	26.7	21.1	31.7

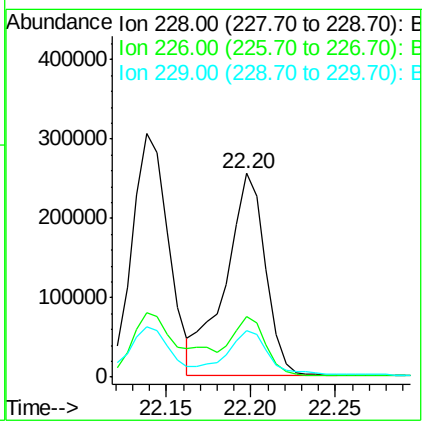


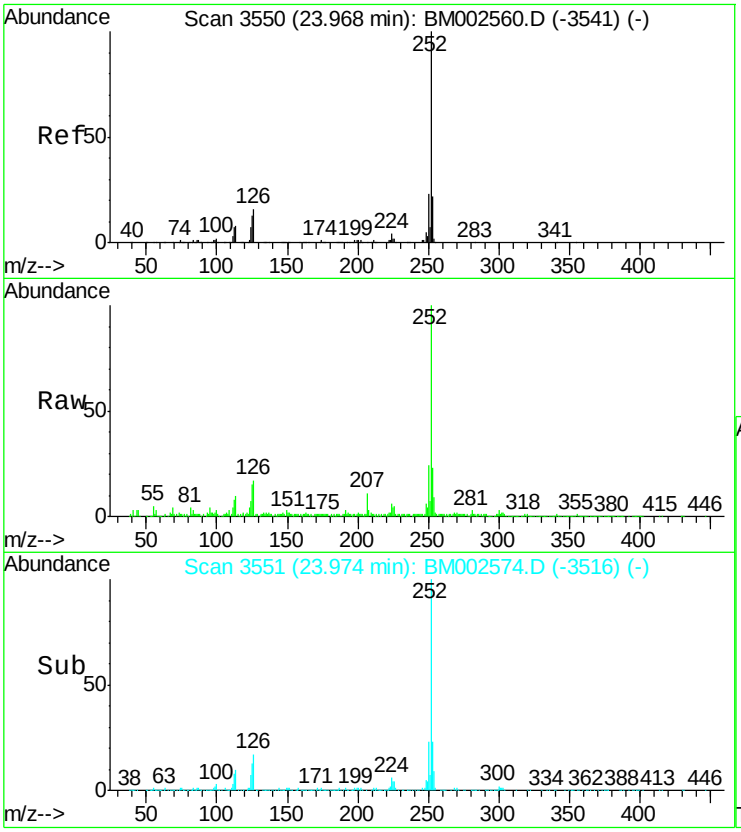


#21
Chrysene
Concen: 14.71 ng/ul
RT: 22.20 min Scan# 3249
Delta R.T. 0.00 min
Lab File: BM002574.D
Acq: 29 Aug 2015 20:56

Tgt Ion:228 Resp: 420898

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.4	35.2
229	23.1	15.7	23.5



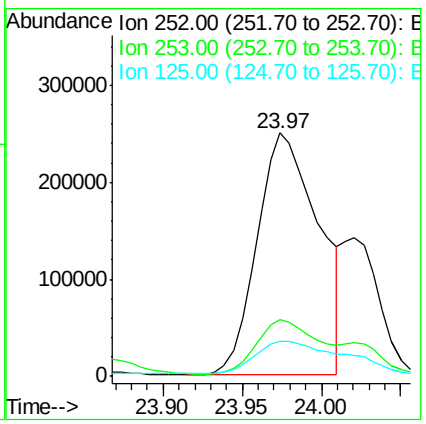


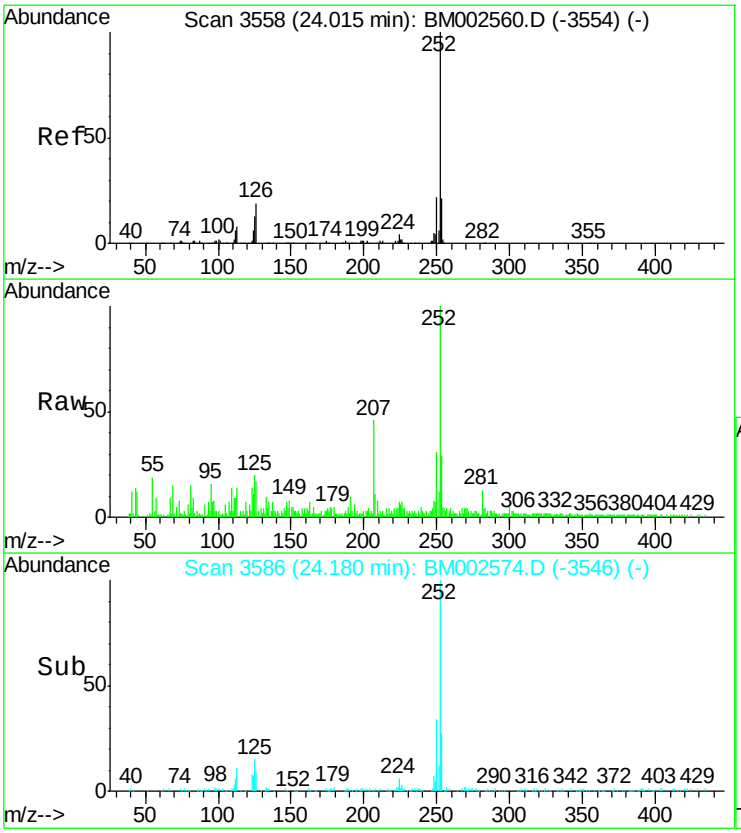
#23
Benzo(b)fluoranthene
Concen: 20.96 ng/ul
RT: 23.97 min Scan# 3551
Delta R.T. 0.01 min
Lab File: BM002574.D
Acq: 29 Aug 2015 20:56

Instrument :
BNA_M
ClientSampleId :
D9E78

Tgt Ion:252 Resp: 672680

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.0
125	14.5	10.0	15.0

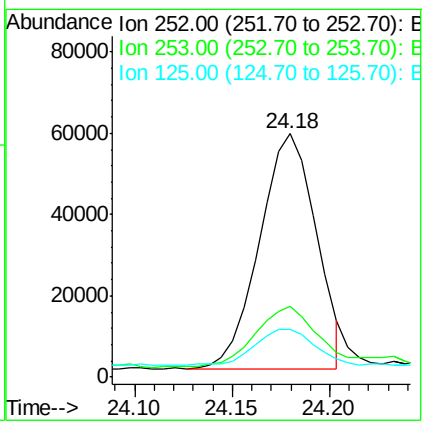


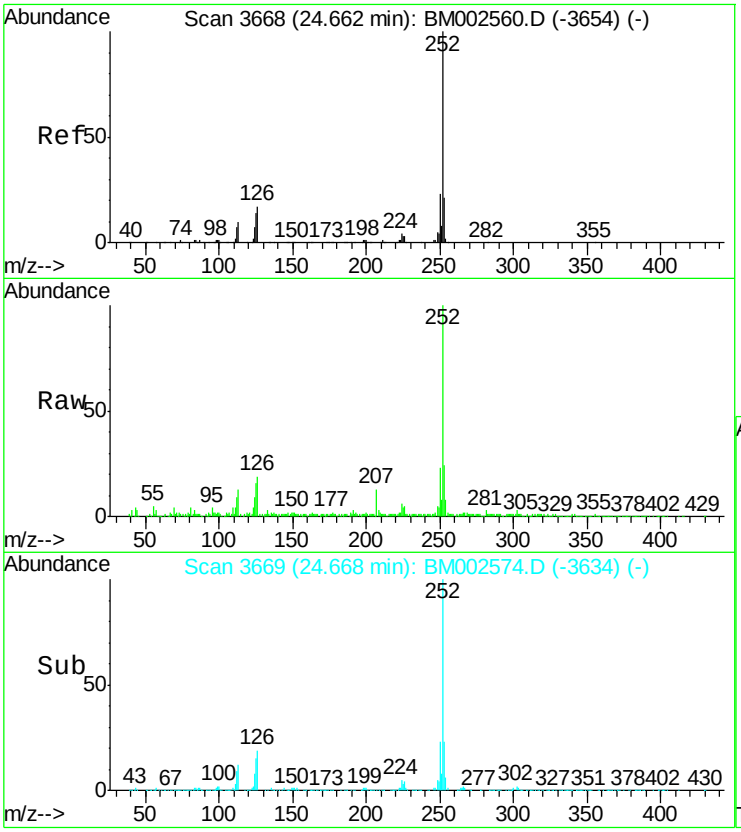


#24
Benzo(k)fluoranthene
Concen: 3.82 ng/ul
RT: 24.18 min Scan# 3586
Delta R.T. 0.16 min
Lab File: BM002574.D
Acq: 29 Aug 2015 20:56

Tgt Ion:252 Resp: 116206

Ion	Ratio	Lower	Upper
252	100		
253	28.9	17.8	26.6#
125	19.6	9.8	14.8#



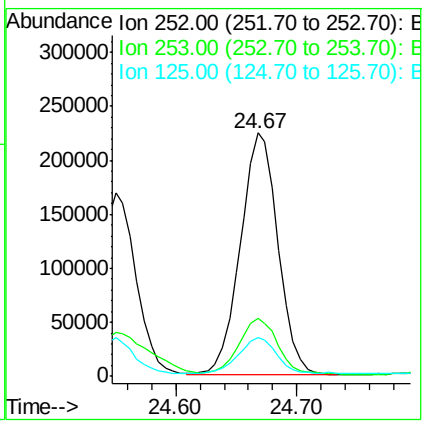


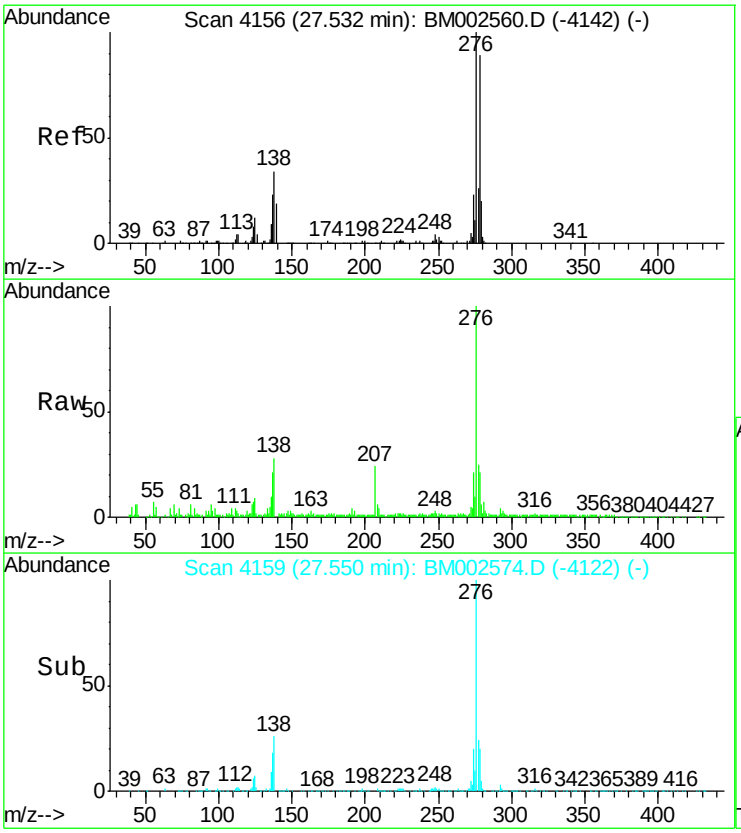
#26
Benzo(a)pyrene
Concen: 15.74 ng/ul
RT: 24.67 min Scan# 3669
Delta R.T. 0.01 min
Lab File: BM002574.D
Acq: 29 Aug 2015 20:56

Instrument :
BNA_M
ClientSampleId :
D9E78

Tgt Ion:252 Resp: 482437

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.6	26.4
125	16.1	10.7	16.1

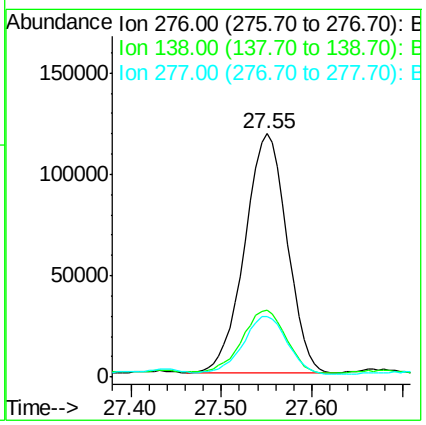


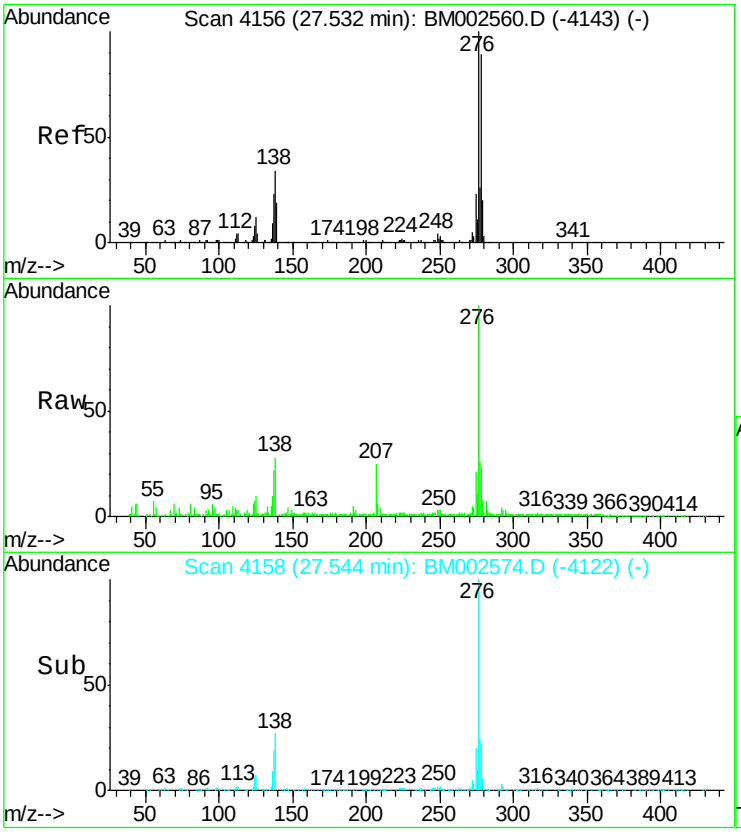


#27
Indeno(1,2,3-cd)pyrene
Concen: 10.89 ng/ul
RT: 27.55 min Scan# 4159
Delta R.T. 0.02 min
Lab File: BM002574.D
Acq: 29 Aug 2015 20:56

Tgt Ion:276 Resp: 384084

Ion	Ratio	Lower	Upper
276	100		
138	27.6	25.3	37.9
277	25.1	20.2	30.2



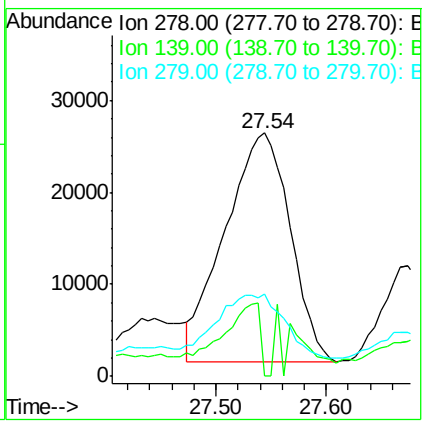


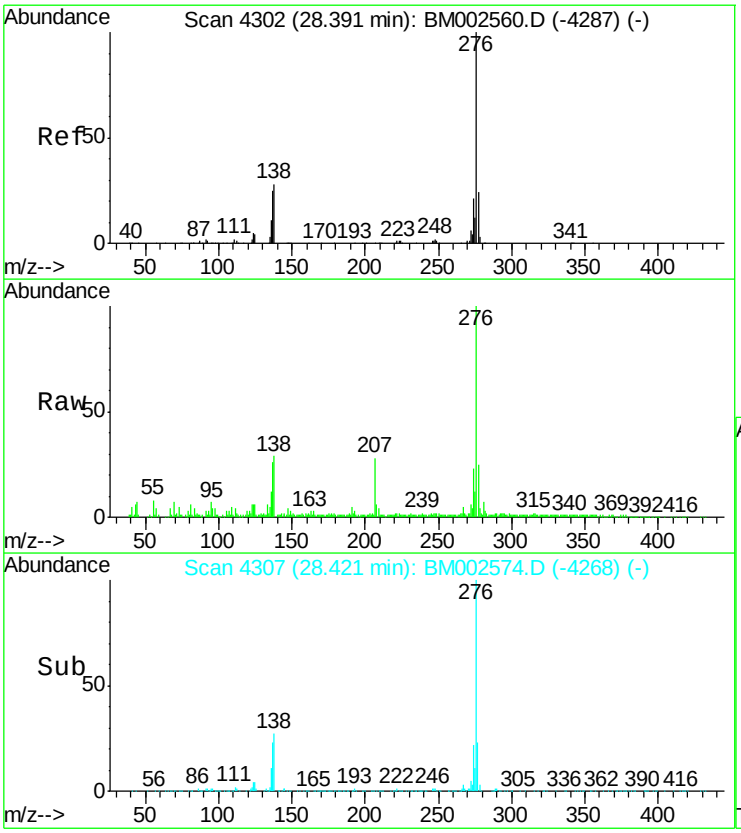
#28
Dibenzo(a,h)anthracene
Concen: 3.48 ng/ul
RT: 27.54 min Scan# 4158
Delta R.T. 0.01 min
Lab File: BM002574.D
Acq: 29 Aug 2015 20:56

Instrument :
BNA_M
ClientSampleId :
D9E78

Tgt Ion:278 Resp: 102481

Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.5	24.7#
279	33.9	18.8	28.2#





#29
Benzo(g,h,i)perylene
Concen: 12.90 ng/ul
RT: 28.42 min Scan# 4307
Delta R.T. 0.03 min
Lab File: BM002574.D
Acq: 29 Aug 2015 20:56

Tgt Ion:276 Resp: 378545

Ion	Ratio	Lower	Upper
276	100		
138	28.7	21.0	31.6
277	24.6	19.2	28.8