Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072116\
Data File : BM006597.D
Acq On : 21 Jul 2016 21:00
Operator : UM/SJ
Sample : H4078-08MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9YS2MSD

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Quant Time: Jul 22 08:13:21 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 22 01:56:00 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	134175	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	587921	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	335610	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	774339	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	900960	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	941163	20.00	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.13	96	5251	1.58	ng/uL	0.00
3) Phenol-d5	6.79	99	209118	18.32	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	141961	20.08	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	170866	18.73	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	126832	14.33	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	84980	19.10	ng/ul	0.00
9) 2-Nitrophenol-d4	9.48	143	89970	19.01	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	163246	18.25	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	196792	19.98	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	525059	19.95	ng/ul	0.00
17) Acenaphthylene-d8	13.95	160	670983	19.98	ng/ul	0.00
20) 4-Nitrophenol-d4	14.48	143	57639m	12.61	ng/ul	0.00
21) Fluorene-d10	15.26	176	478056	20.31	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	52952	13.17	ng/ul	0.00
26) Anthracene-d10	17.11	188	724096	19.69	ng/ul	0.00
30) Pyrene-d10	19.42	212	833607	20.31	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.27	264	875881	20.23	ng/ul	0.00
Target Compounds						Qvalue
19) Acenaphthene	14.33	153	451140	19.51	ng/ul	94
25) Phenanthrene	17.06	178	291439	6.69	ng/ul	97
27) Anthracene	17.14	178	63101	1.41	ng/ul	98
28) Fluoranthene	19.08	202	518772	10.14	ng/ul	98
31) Pyrene	19.44	202	1439693	26.39	ng/ul	97
32) Benzo(a)anthracene	21.20	228	245422	4.49	ng/ul	98
33) Chrysene	21.25	228	227801	4.52	ng/ul	99
35) Benzo(b)fluoranthene	22.76	252	318415	5.64	ng/ul	99
36) Benzo(k)fluoranthene	22.79	252	121389m	2.23	ng/ul	
38) Benzo(a)pyrene	23.31	252	221622	4.04	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.60	276	155228	2.44	ng/ul	99
41) Benzo(g,h,i)perylene	26.27	276	158354m	2.91	ng/ul	

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

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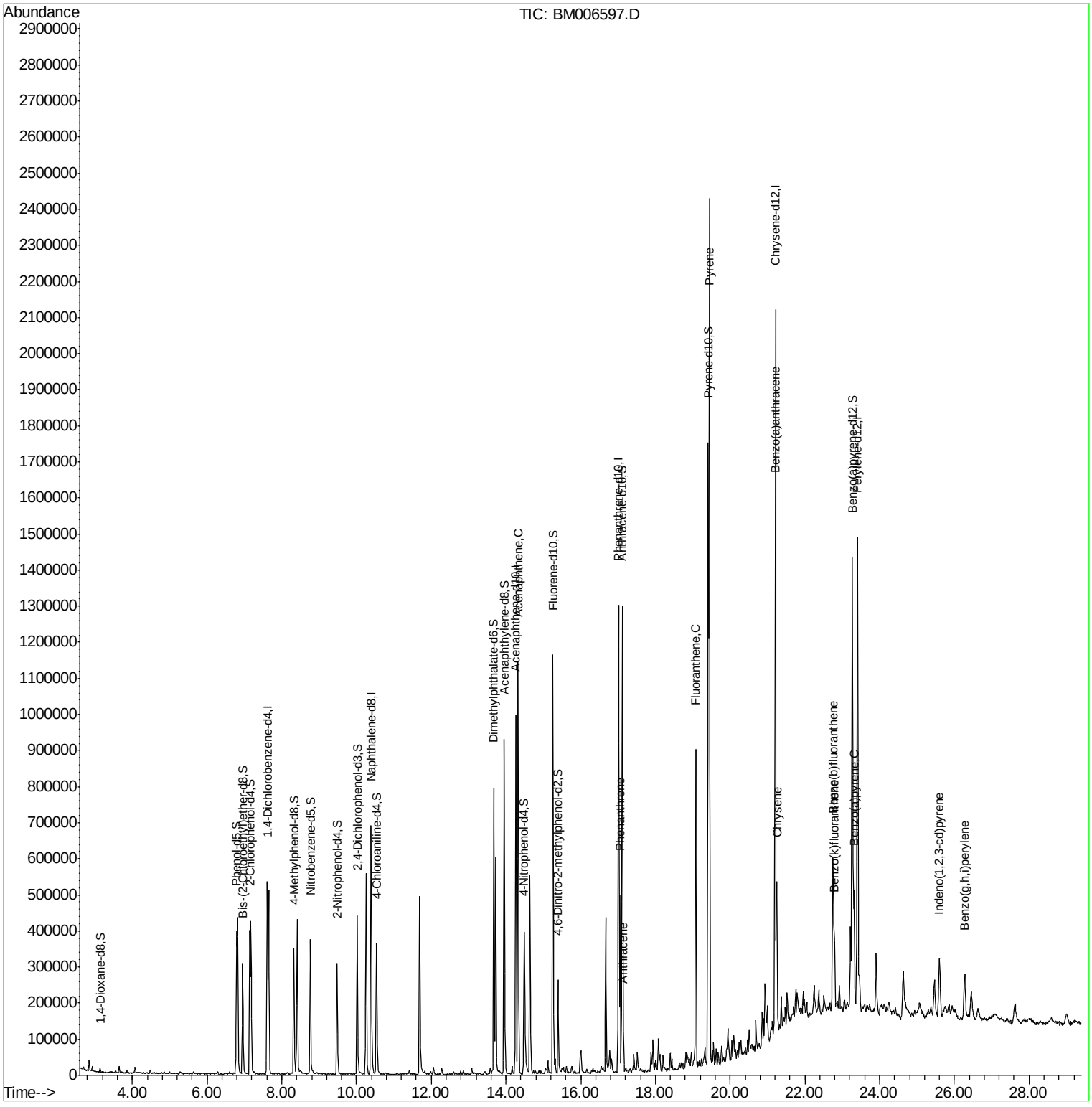
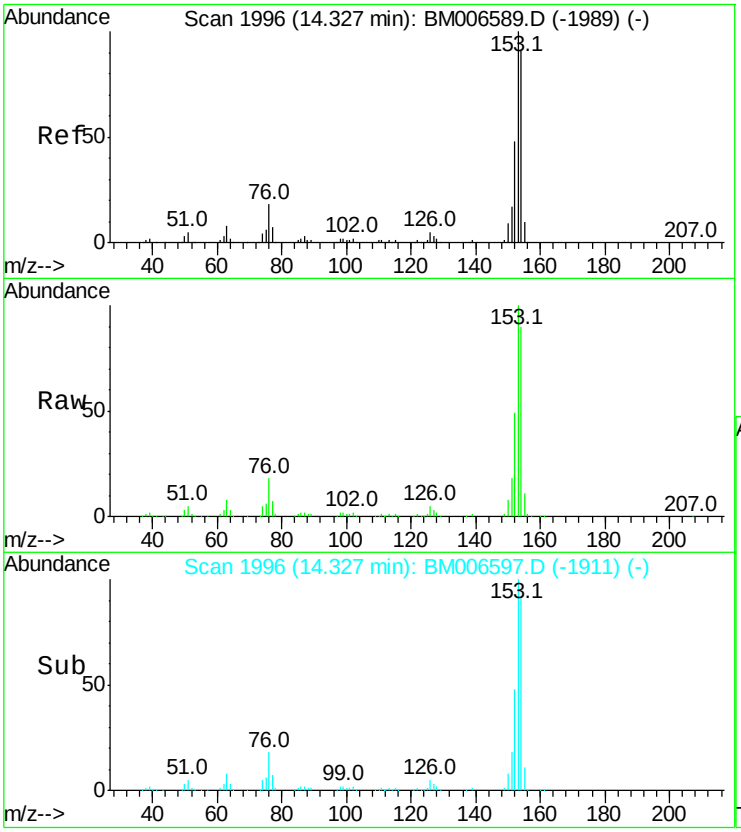
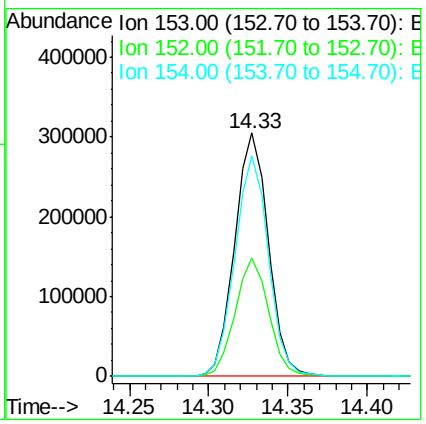




#19
Acenaphthene
Concen: 19.51 ng/ul
RT: 14.33 min Scan# 1996
Delta R.T. 0.00 min
Lab File: BM006597.D
Acq: 21 Jul 2016 21:00

Tgt Ion:153 Resp: 451140

Ion	Ratio	Lower	Upper
153	100		
152	48.6	36.5	54.7
154	90.5	67.3	100.9



Instrument :
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ClientSampleId :
D9YS2MSD

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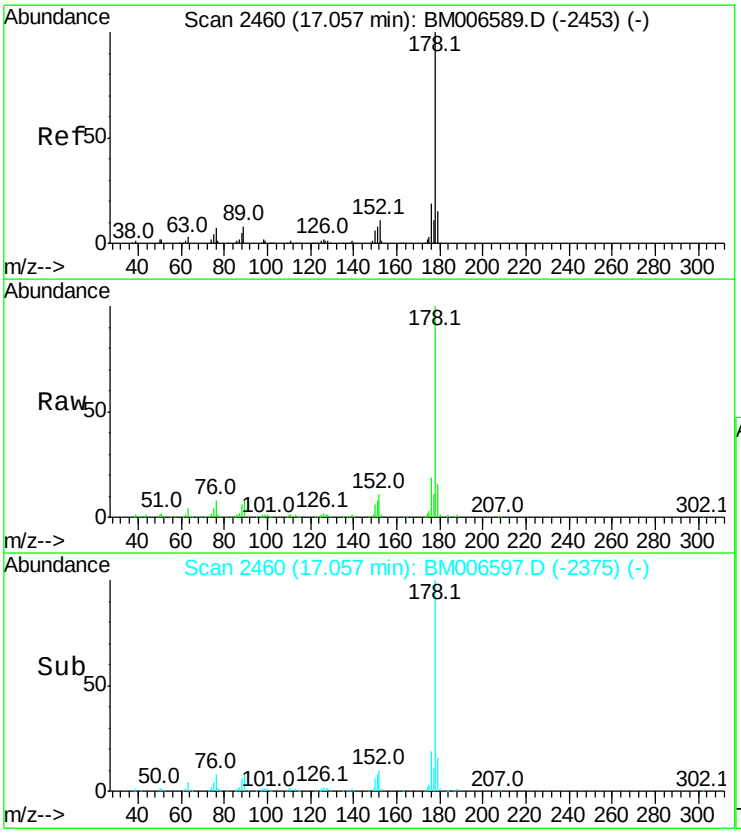
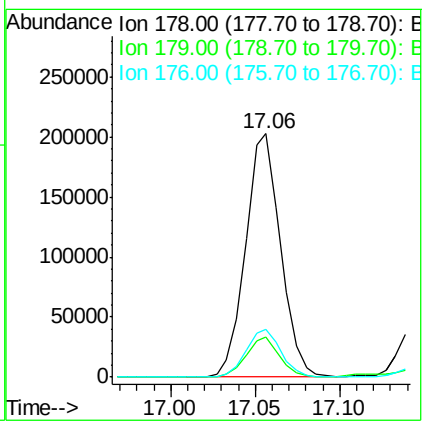
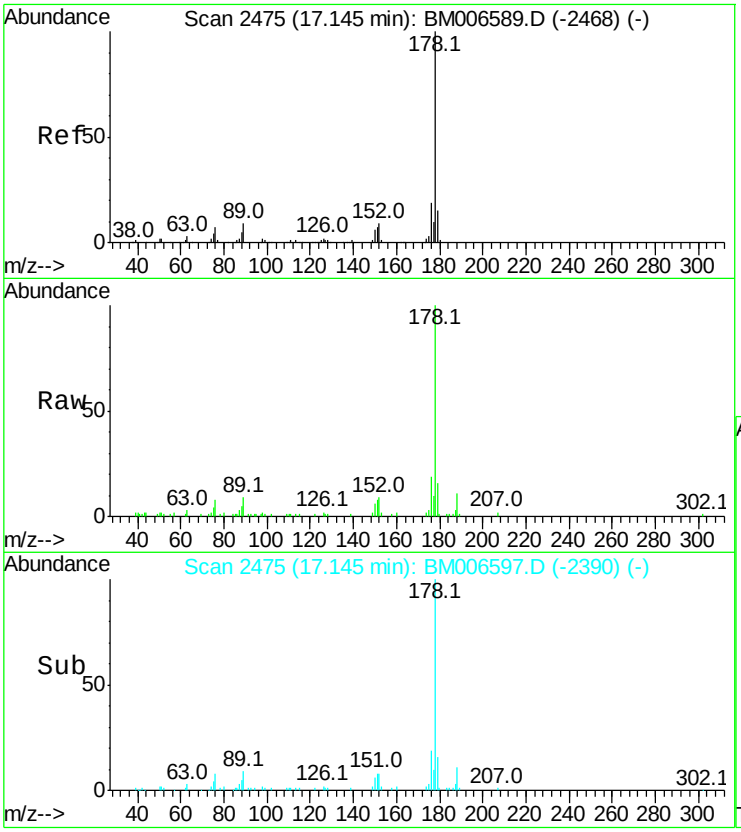


#25
Phenanthrene
Concen: 6.69 ng/ul
RT: 17.06 min Scan# 2460
Delta R.T. 0.00 min
Lab File: BM006597.D
Acq: 21 Jul 2016 21:00

Tgt Ion:178 Resp: 291439

Ion	Ratio	Lower	Upper
178	100		
179	16.3	11.8	17.8
176	19.5	14.8	22.2

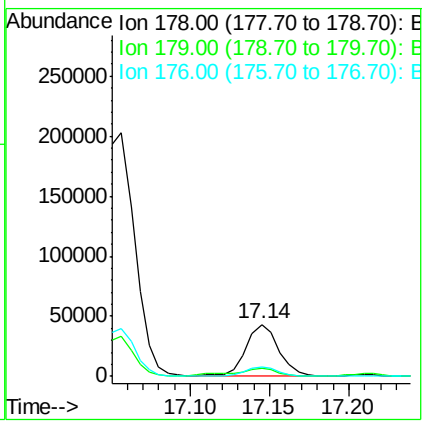




#27
Anthracene
Concen: 1.41 ng/ul
RT: 17.14 min Scan# 2475
Delta R.T. 0.00 min
Lab File: BM006597.D
Acq: 21 Jul 2016 21:00

Tgt Ion:178 Resp: 63101

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.9	19.3
176	18.6	15.6	23.4



Instrument :
BNA_M
ClientSampleId :
D9YS2MSD

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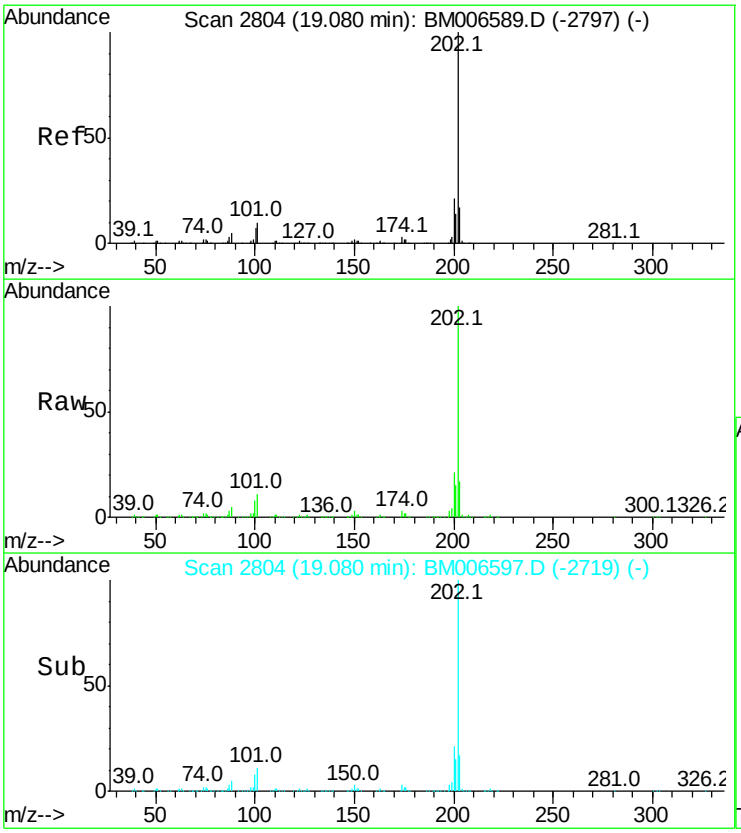
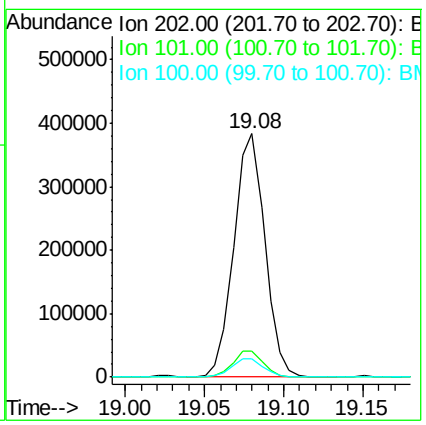
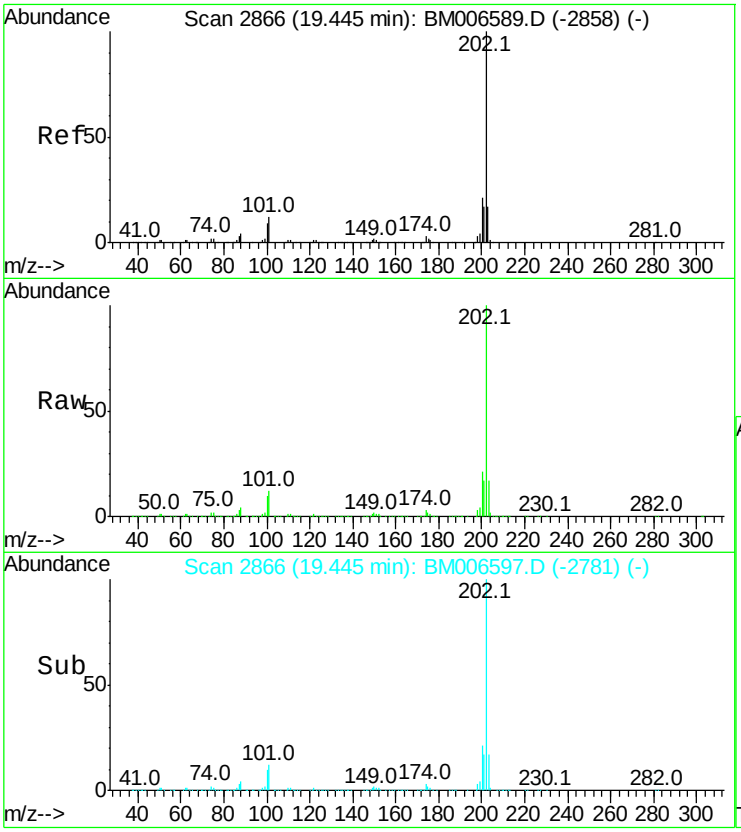


#28
Fluoranthene
Concen: 10.14 ng/ul
RT: 19.08 min Scan# 2804
Delta R.T. 0.00 min
Lab File: BM006597.D
Acq: 21 Jul 2016 21:00

Tgt Ion:202 Resp: 518772

Ion	Ratio	Lower	Upper
202	100		
101	10.9	8.9	13.3
100	7.7	7.0	10.4

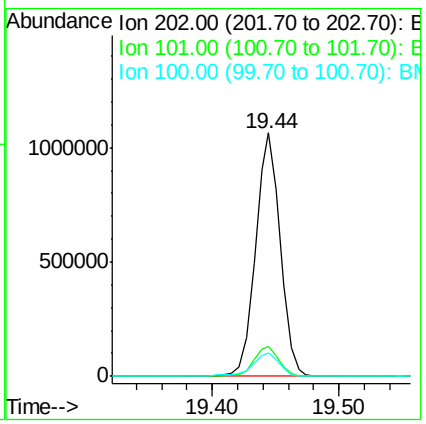




#31
Pyrene
Concen: 26.39 ng/ul
RT: 19.44 min Scan# 2866
Delta R.T. 0.00 min
Lab File: BM006597.D
Acq: 21 Jul 2016 21:00

Tgt Ion:202 Resp: 1439693

Ion	Ratio	Lower	Upper
202	100		
101	12.4	9.8	14.8
100	9.6	9.3	13.9



Instrument :
BNA_M
ClientSampleId :
D9YS2MSD

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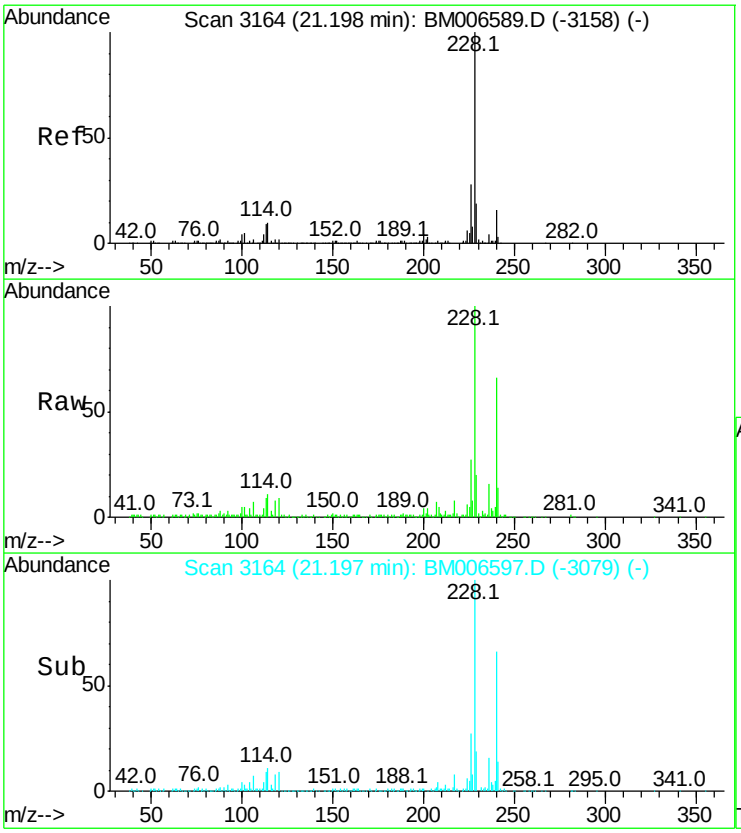
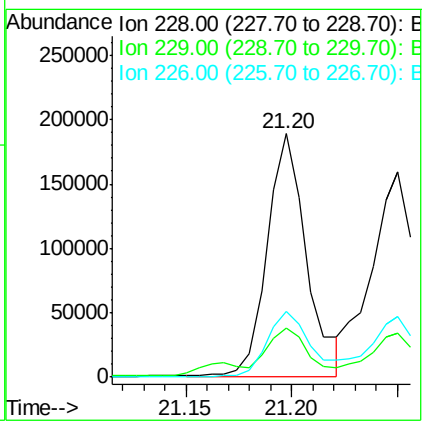
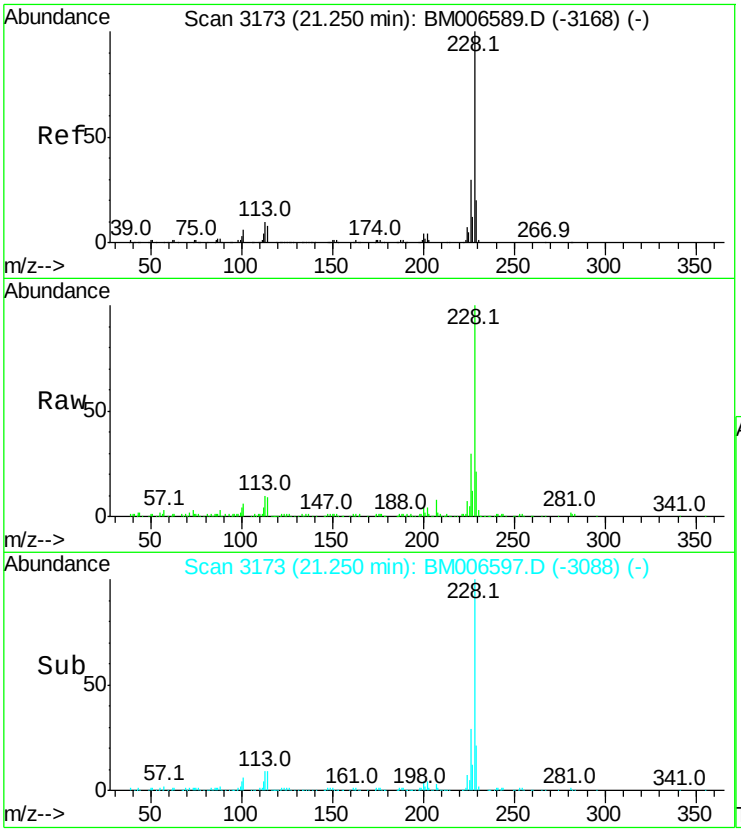


#32
Benzo(a)anthracene
Concen: 4.49 ng/ul
RT: 21.20 min Scan# 3164
Delta R.T. 0.00 min
Lab File: BM006597.D
Acq: 21 Jul 2016 21:00

Tgt Ion:228 Resp: 245422

Ion	Ratio	Lower	Upper
228	100		
229	19.9	16.6	25.0
226	27.2	21.0	31.4

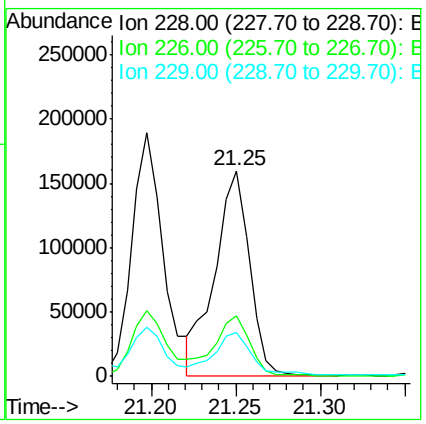




#33
Chrysene
Concen: 4.52 ng/ul
RT: 21.25 min Scan# 3173
Delta R.T. 0.00 min
Lab File: BM006597.D
Acq: 21 Jul 2016 21:00

Tgt Ion:228 Resp: 227801

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.4	35.2
229	21.2	16.2	24.2



Instrument :
BNA_M
ClientSampleId :
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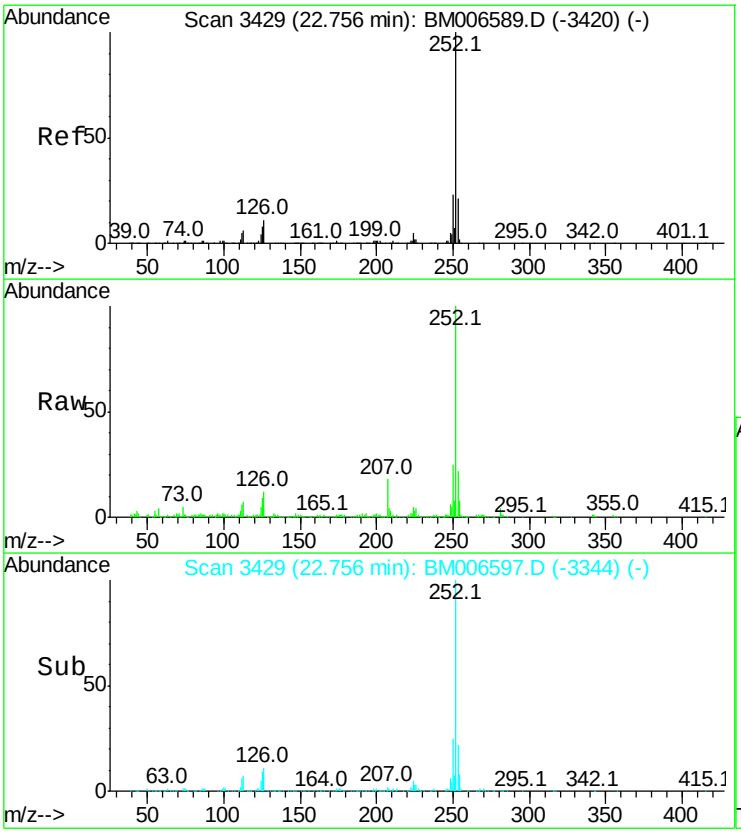
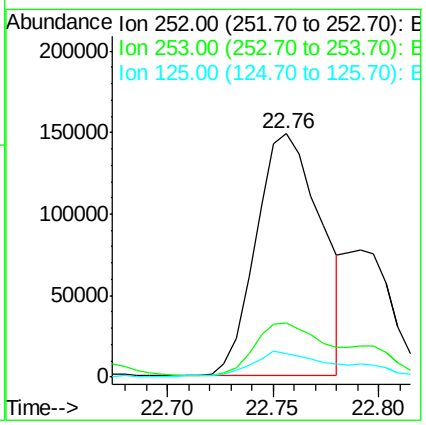
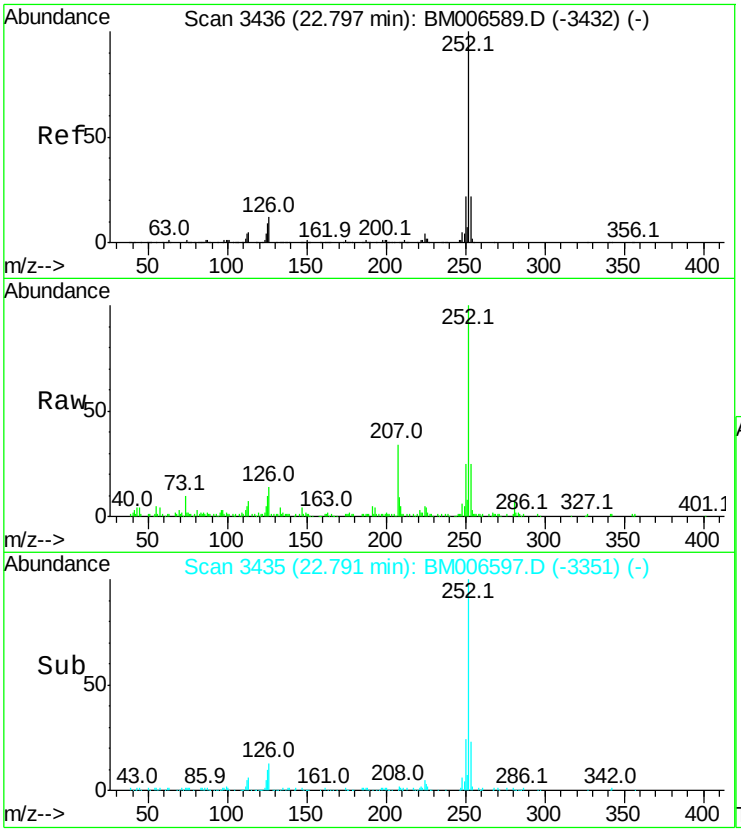


#35
Benzo(b)fluoranthene
Concen: 5.64 ng/ul
RT: 22.76 min Scan# 3429
Delta R.T. 0.00 min
Lab File: BM006597.D
Acq: 21 Jul 2016 21:00

Tgt Ion:252 Resp: 318415

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	9.4	7.6	11.4





#36
Benzo(k)fluoranthene
Concen: 2.23 ng/ul m
RT: 22.79 min Scan# 3435
Delta R.T. -0.01 min
Lab File: BM006597.D
Acq: 21 Jul 2016 21:00

Tgt Ion:252 Resp: 121389

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.8	26.8
125	10.4	7.7	11.5

Instrument :
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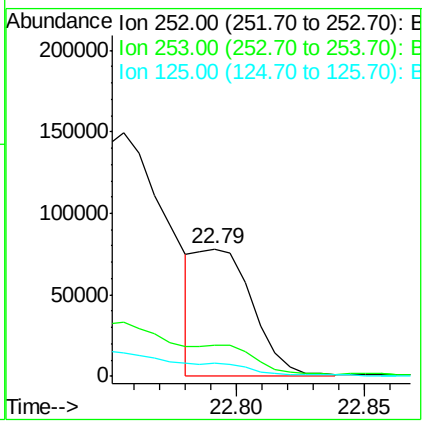
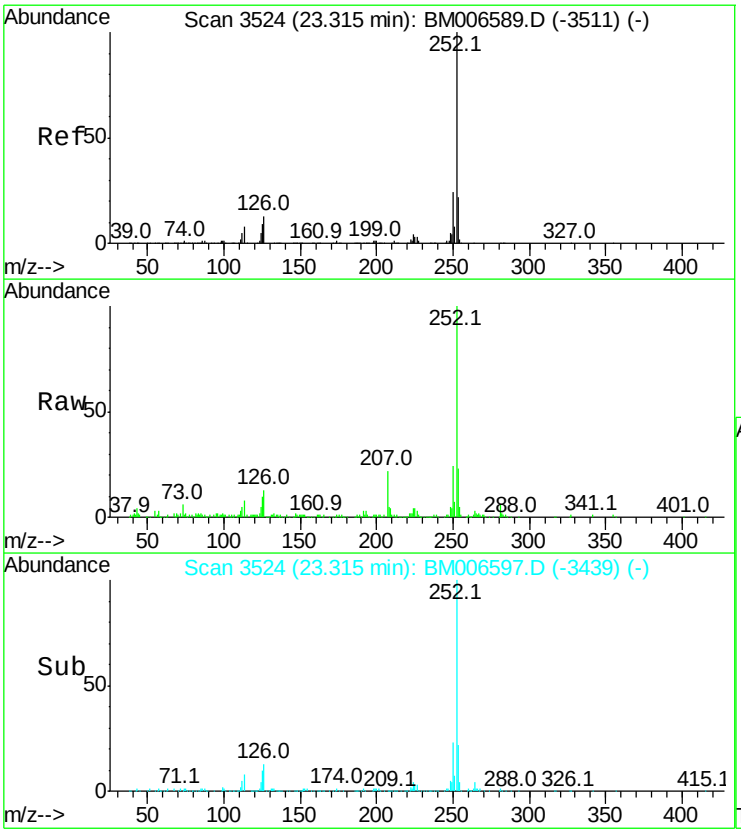
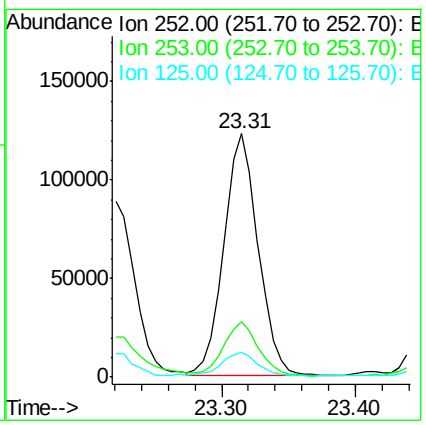


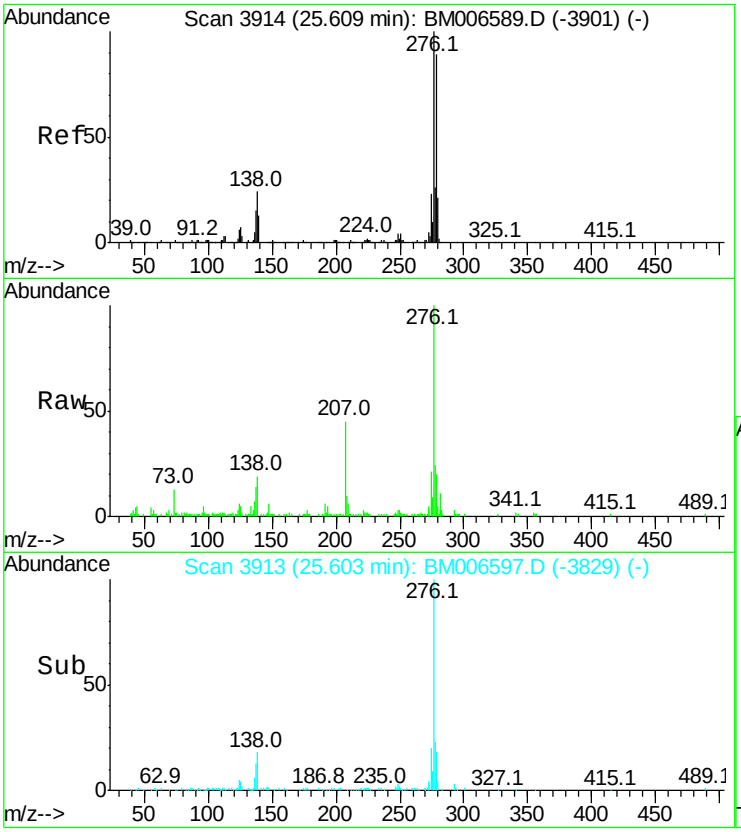


#38
Benzo(a)pyrene
Concen: 4.04 ng/ul
RT: 23.31 min Scan# 3524
Delta R.T. 0.00 min
Lab File: BM006597.D
Acq: 21 Jul 2016 21:00

Tgt Ion:252 Resp: 221622

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	9.9	8.2	12.2

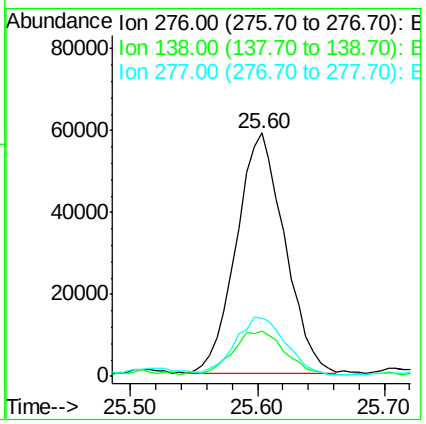




#39
Indeno(1,2,3-cd)pyrene
Concen: 2.44 ng/ul
RT: 25.60 min Scan# 3913
Delta R.T. -0.01 min
Lab File: BM006597.D
Acq: 21 Jul 2016 21:00

Tgt Ion:276 Resp: 155228

Ion	Ratio	Lower	Upper
276	100		
138	18.6	15.8	23.6
277	24.0	19.0	28.6



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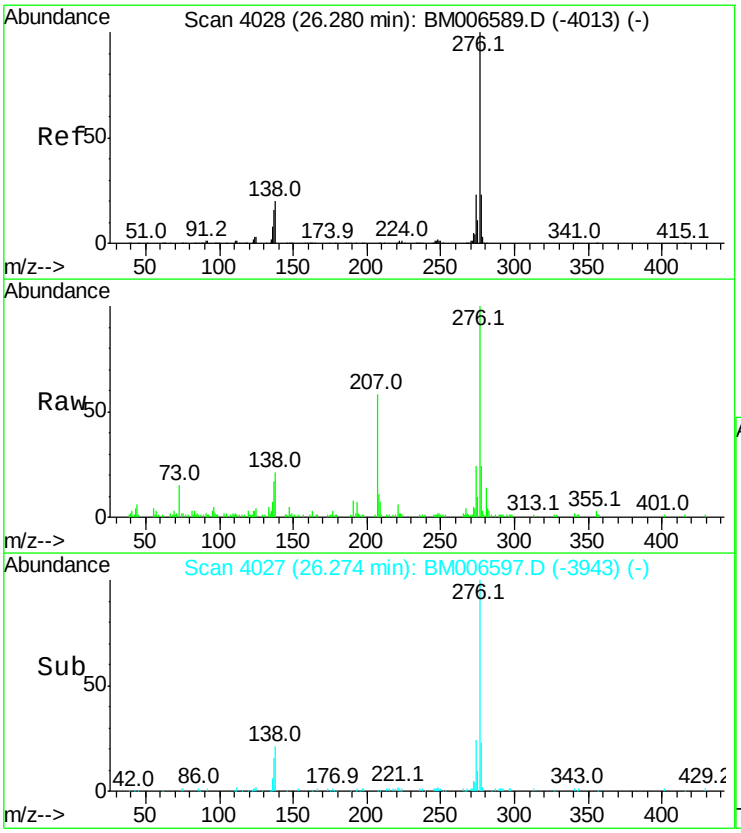

#41
Benzo(g,h,i)perylene
Concen: 2.91 ng/ul m
RT: 26.27 min Scan# 4027
Delta R.T. -0.01 min
Lab File: BM006597.D
Acq: 21 Jul 2016 21:00

Tgt Ion:276 Resp: 158354

Ion	Ratio	Lower	Upper
276	100		
138	21.2	13.9	20.9#
277	24.3	19.8	29.6