Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002787.D
Acq On : 30 Sep 2015 18:21
Operator : UM/IZ
Sample : G3838-19
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E5MX5

Manual Integrations APPROVED
MMDadoda
10/1/2015 4:09:13 PM

Quant Time: Oct 01 07:25:27 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 01 07:01:42 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.70	152	119308	20.00	ng/ul	0.00
18) Naphthalene-d8	11.56	136	539582	20.00	ng/ul	0.00
36) Acenaphthene-d10	15.30	164	281876	20.00	ng/ul	0.00
62) Phenanthrene-d10	18.01	188	546303	20.00	ng/ul	0.00
78) Chrysene-d12	22.10	240	391252	20.00	ng/ul	0.00
86) Perylene-d12	24.70	264	376981	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.76	96	6751	2.63	ng/uL	0.00
5) Phenol-d5	7.82	99	164564	18.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.99	67	94433	18.57	ng/ul	0.00
9) 2-Chlorophenol-d4	8.22	132	155683	18.50	ng/ul	0.00
13) 4-Methylphenol-d8	9.40	113	128003	17.17	ng/ul	0.00
19) Nitrobenzene-d5	9.89	128	76218	18.52	ng/ul	0.00
22) 2-Nitrophenol-d4	10.63	143	81287	18.90	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.17	165	141099	18.59	ng/ul	0.00
29) 4-Chloroaniline-d4	11.69	131	91859	10.05	ng/ul	0.00
44) Dimethylphthalate-d6	14.67	166	419229	19.77	ng/ul	0.00
47) Acenaphthylene-d8	15.00	160	549825	19.43	ng/ul	0.00
52) 4-Nitrophenol-d4	15.47	143	48118	12.78	ng/ul	0.00
58) Fluorene-d10	16.27	176	370338	19.39	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	16.39	200	29814	11.19	ng/ul	0.00
71) Anthracene-d10	18.11	188	515592	19.78	ng/ul	0.00
79) Pyrene-d10	20.34	212	434031	23.77	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.53	264	381616	19.79	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	11.61	128	90300	3.28	ng/ul	99
34) 2-Methylnaphthalene	13.17	142	130881	6.83	ng/ul	98
35) 1-Methylnaphthalene	13.39	142	83618	4.49	ng/ul	99
45) Dimethylphthalate	14.72	163	222865	10.34	ng/ul	100
54) Dibenzofuran	15.69	168	46081	1.72	ng/ul	96
70) Phenanthrene	18.05	178	348079	11.01	ng/ul	99
72) Anthracene	18.14	178	79241	2.46	ng/ul	97
76) Di-n-butylphthalate	18.89	149	36374	1.01	ng/ul#	91
77) Fluoranthene	20.01	202	591481	18.13	ng/ul	99
80) Pyrene	20.37	202	591759	23.81	ng/ul	99
83) Benzo(a)anthracene	22.08	228	317397	13.65	ng/ul	99
85) Chrysene	22.13	228	310489m	14.15	ng/ul	
88) Benzo(b)fluoranthene	23.90	252	395481	17.46	ng/ul#	96
89) Benzo(k)fluoranthene	23.94	252	107070m	4.99	ng/ul	
91) Benzo(a)pyrene	24.58	252	279647	12.86	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	27.43	276	181316	7.14	ng/ul	94
93) Dibenzo(a,h)anthracene	27.41	278	59586	2.78	ng/ul#	79
94) Benzo(g,h,i)perylene	28.29	276	183506	8.59	ng/ul	97

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

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ClientSampleId :
E5MX5

Manual Integrations APPROVED
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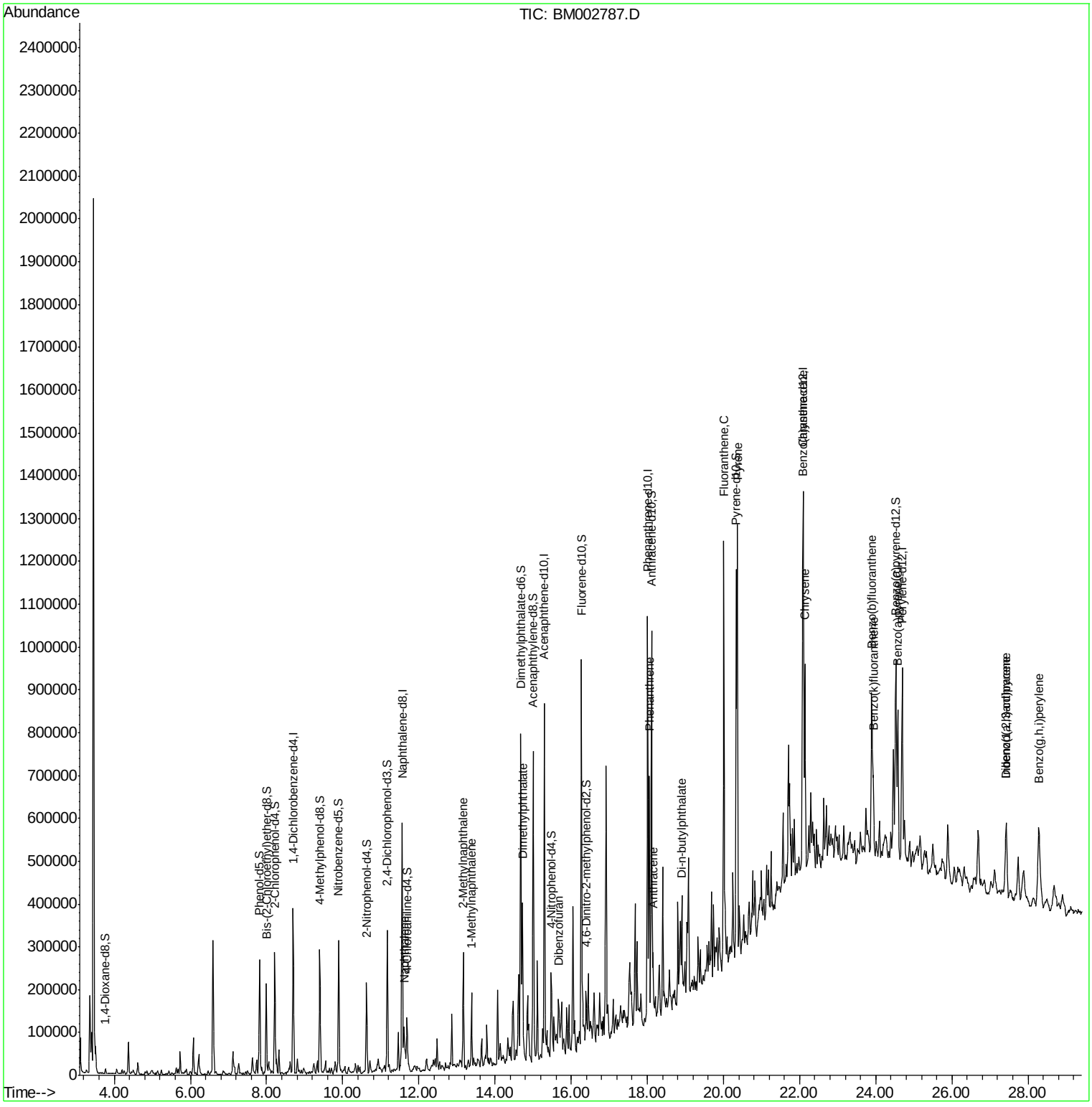
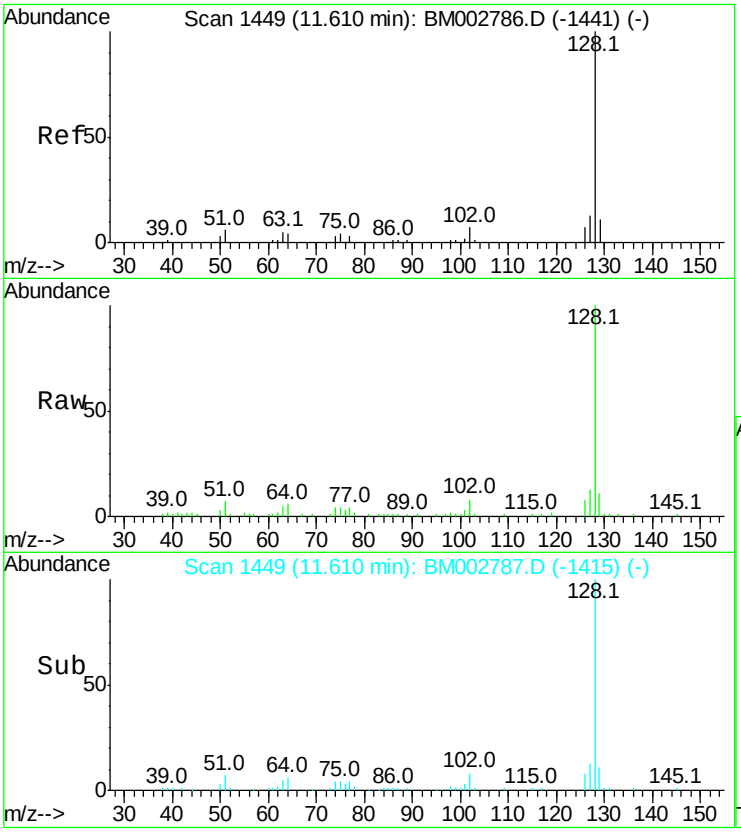
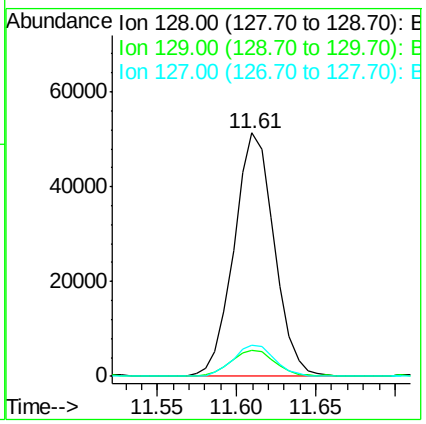




#28
Naphthalene
Concen: 3.28 ng/ul
RT: 11.61 min Scan# 1449
Delta R.T. -0.00 min
Lab File: BM002787.D
Acq: 30 Sep 2015 18:21

Tgt Ion:128 Resp: 90300

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	12.9	9.9	14.9



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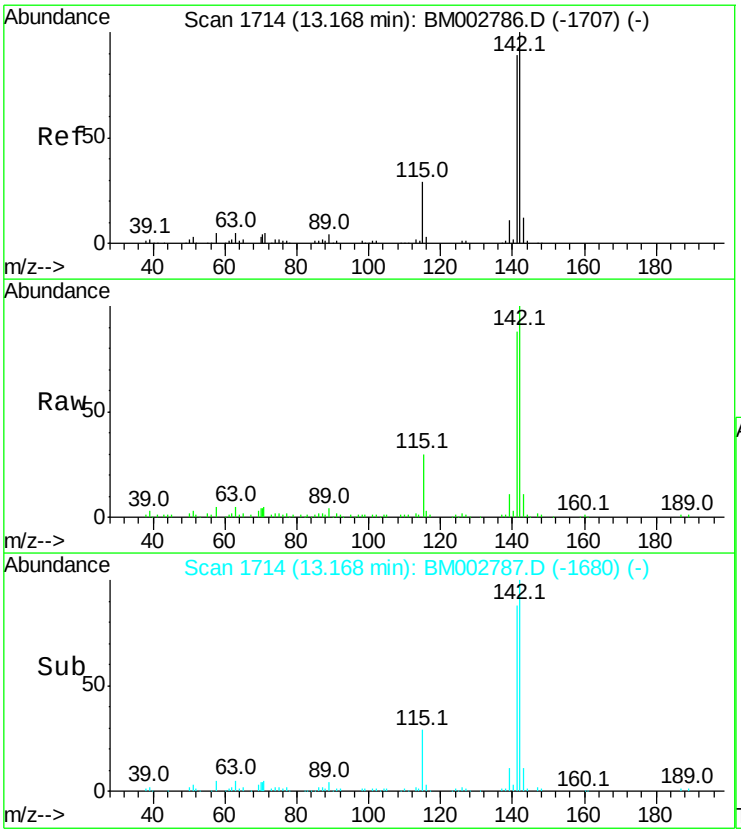
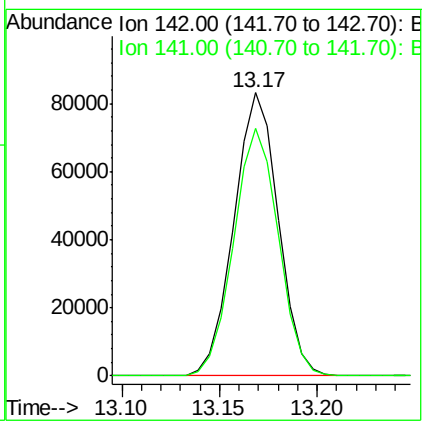
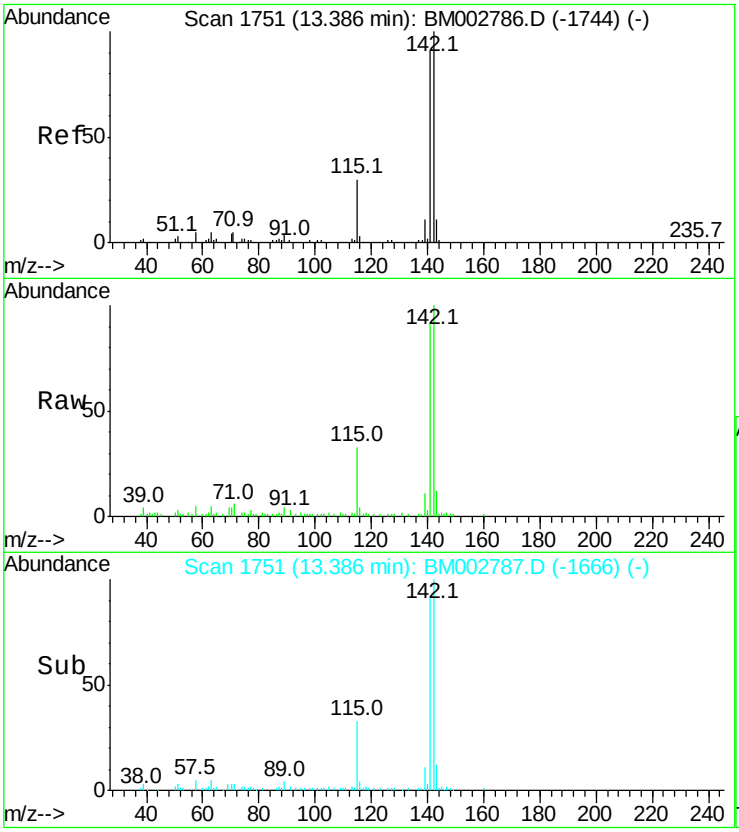


#34
2-Methylnaphthalene
Concen: 6.83 ng/ul
RT: 13.17 min Scan# 1714
Delta R.T. -0.00 min
Lab File: BM002787.D
Acq: 30 Sep 2015 18:21

Tgt Ion:142 Resp: 130881

Ion	Ratio	Lower	Upper
142	100		
141	87.5	71.2	106.8

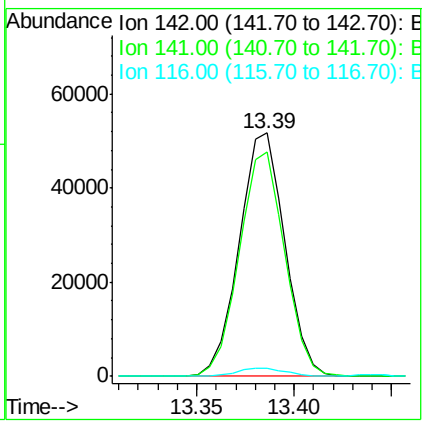




#35
1-Methylnaphthalene
Concen: 4.49 ng/ul
RT: 13.39 min Scan# 1751
Delta R.T. -0.00 min
Lab File: BM002787.D
Acq: 30 Sep 2015 18:21

Tgt Ion:142 Resp: 83618

Ion	Ratio	Lower	Upper
142	100		
141	92.2	74.4	111.6
116	3.6	2.6	4.0



Instrument :
BNA_M
ClientSampleId :
E5MX5

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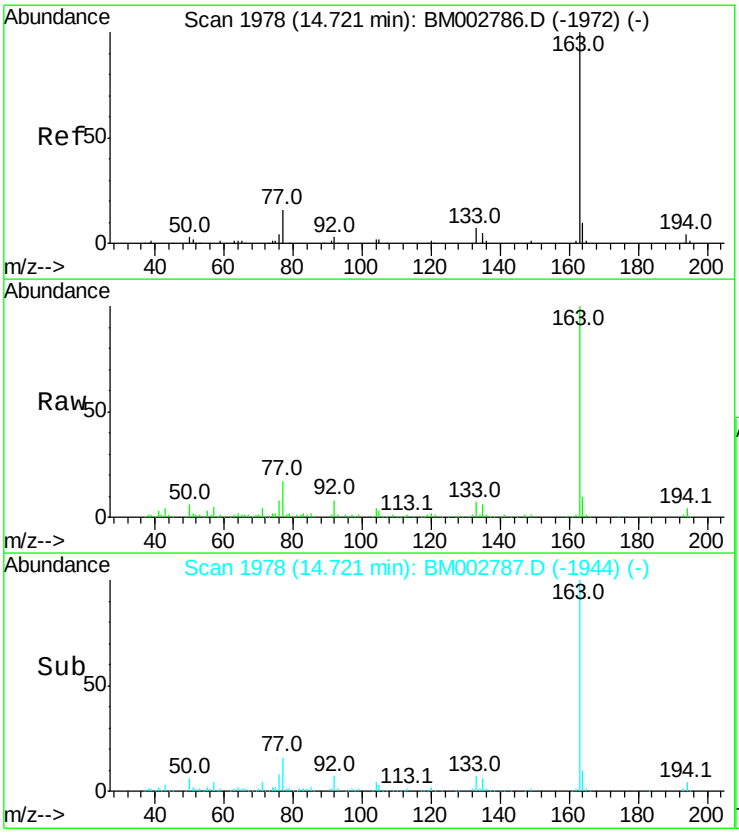
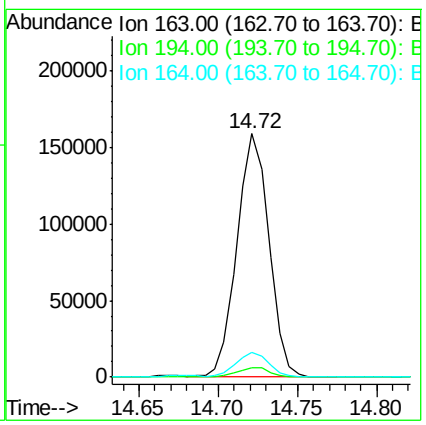
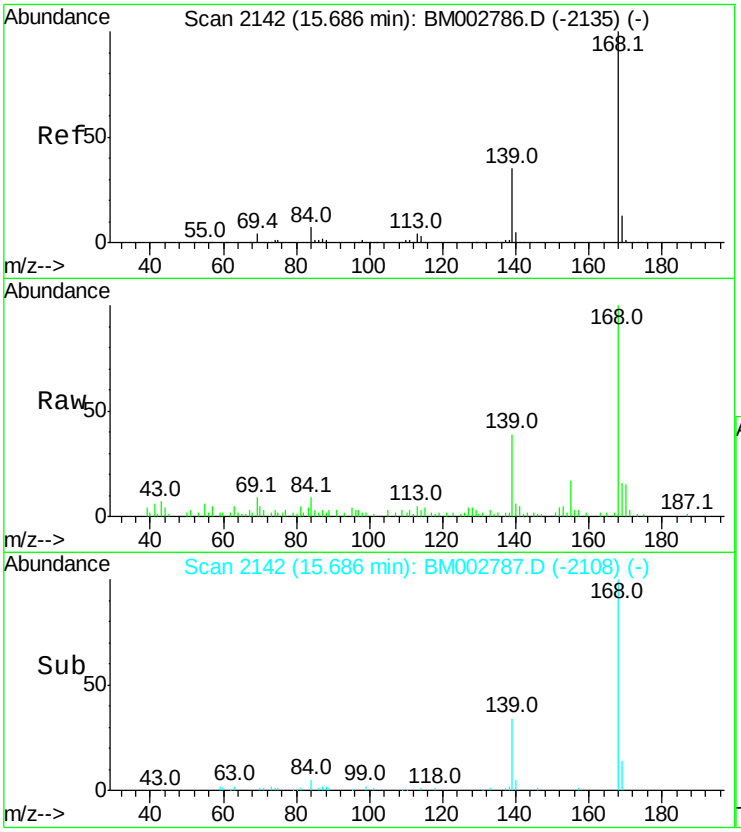


#45
Dimethylphthalate
Concen: 10.34 ng/ul
RT: 14.72 min Scan# 1978
Delta R.T. 0.00 min
Lab File: BM002787.D
Acq: 30 Sep 2015 18:21

Tgt Ion:163 Resp: 222865

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.3	8.1	12.1





#54
Dibenzofuran
Concen: 1.72 ng/ul
RT: 15.69 min Scan# 2142
Delta R.T. -0.00 min
Lab File: BM002787.D
Acq: 30 Sep 2015 18:21

Tgt Ion:168 Resp: 46081

Ion	Ratio	Lower	Upper
168	100		
139	38.5	28.7	43.1

Instrument :
BNA_M
ClientSampleId :
E5MX5

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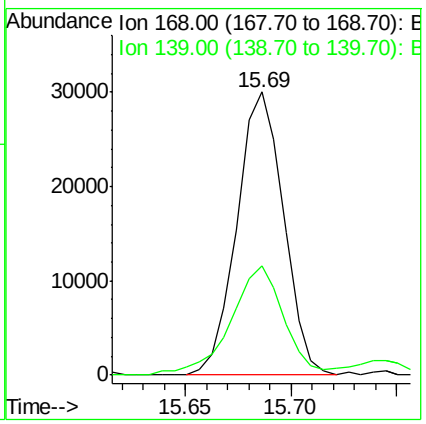
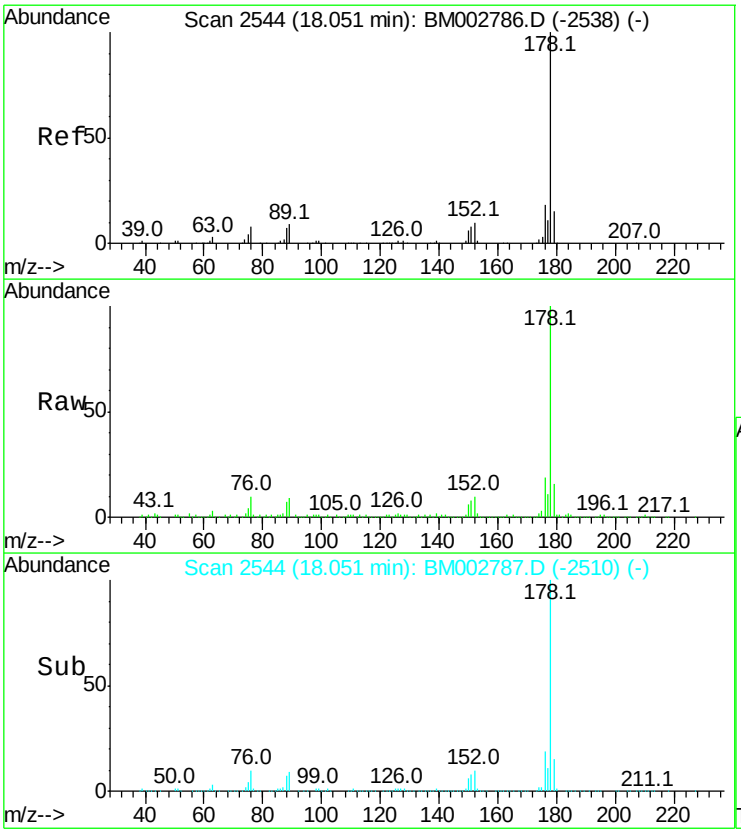
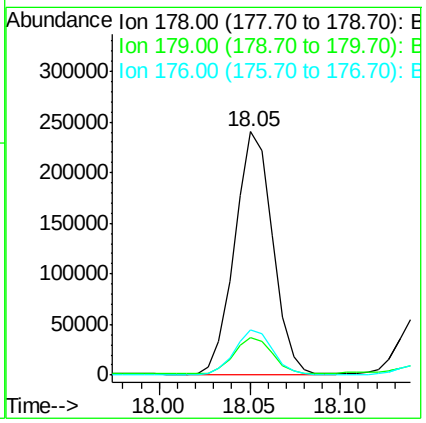


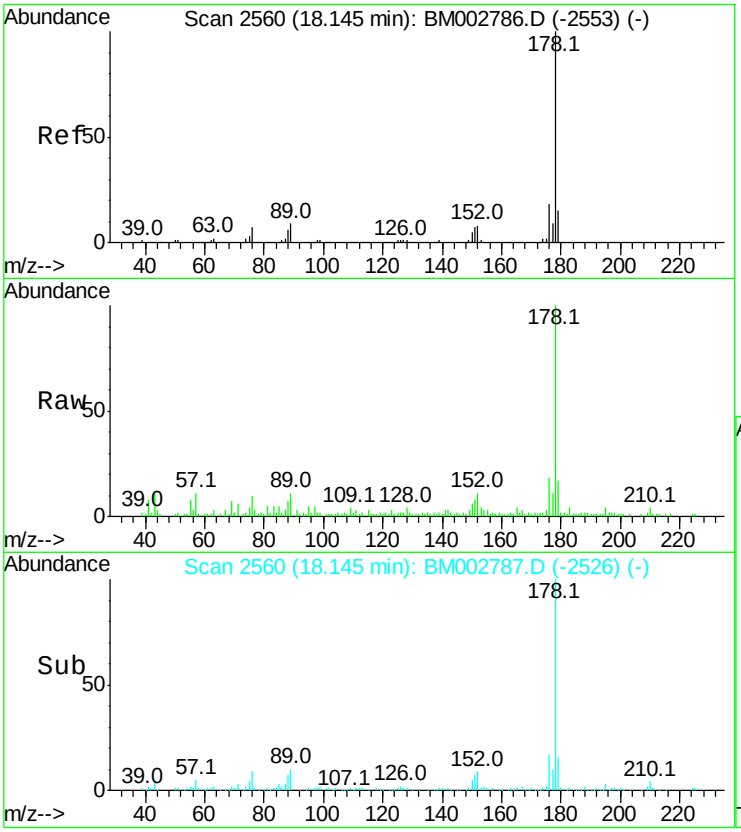


#70
Phenanthrene
Concen: 11.01 ng/ul
RT: 18.05 min Scan# 2544
Delta R.T. 0.00 min
Lab File: BM002787.D
Acq: 30 Sep 2015 18:21

Tgt Ion:178 Resp: 348079

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.0	18.0
176	18.7	14.6	22.0

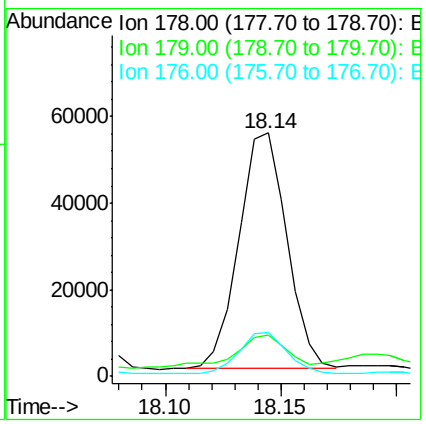




#72
Anthracene
Concen: 2.46 ng/ul
RT: 18.14 min Scan# 2560
Delta R.T. -0.00 min
Lab File: BM002787.D
Acq: 30 Sep 2015 18:21

Tgt Ion:178 Resp: 79241

Ion	Ratio	Lower	Upper
178	100		
179	17.2	11.9	17.9
176	17.9	14.4	21.6



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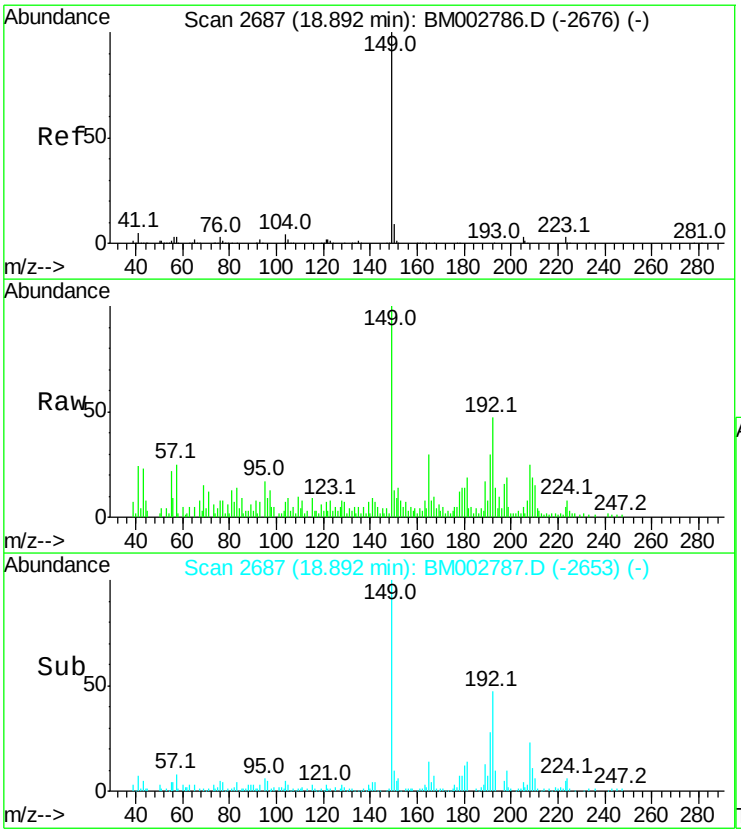
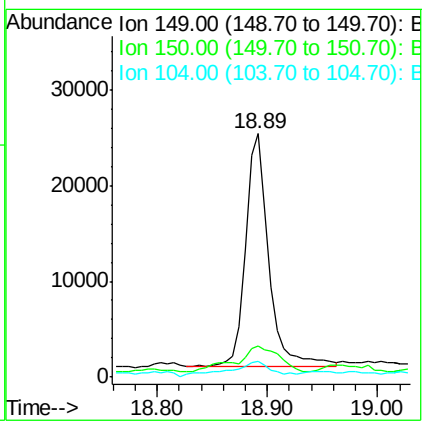
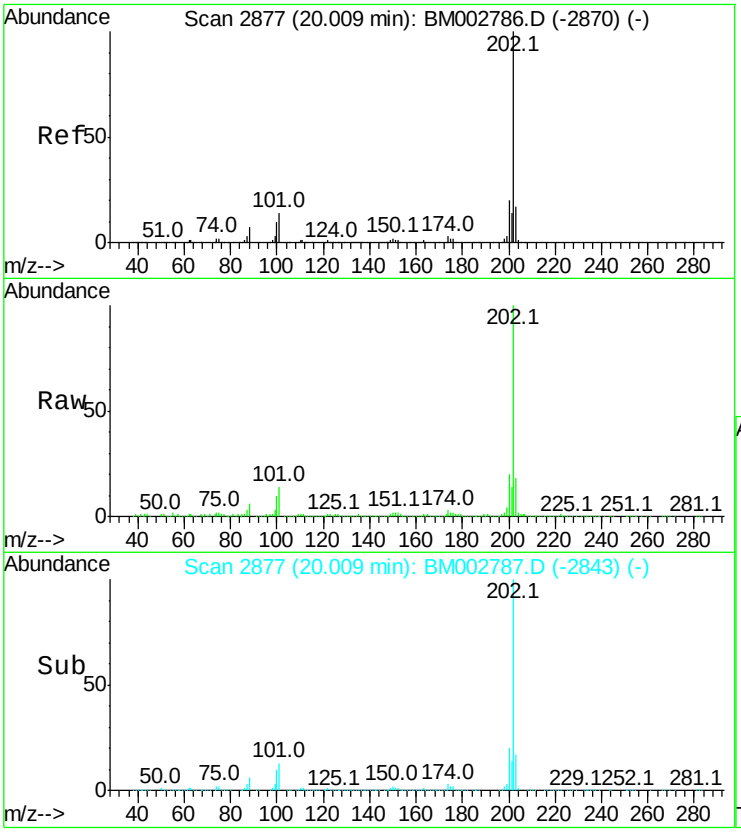


#76
Di-n-butylphthalate
Concen: 1.01 ng/ul
RT: 18.89 min Scan# 2687
Delta R.T. 0.00 min
Lab File: BM002787.D
Acq: 30 Sep 2015 18:21

Tgt Ion:149 Resp: 36374

Ion	Ratio	Lower	Upper
149	100		
150	12.6	7.1	10.7#
104	6.7	3.3	4.9#

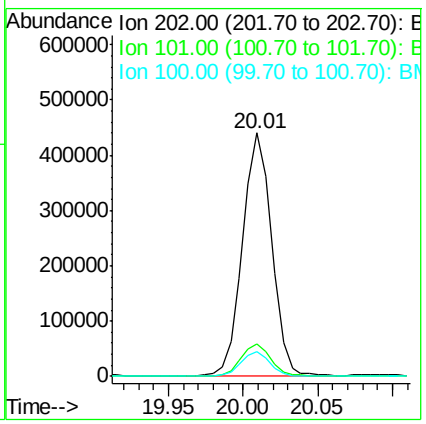




#77
Fluoranthene
Concen: 18.13 ng/ul
RT: 20.01 min Scan# 2877
Delta R.T. -0.00 min
Lab File: BM002787.D
Acq: 30 Sep 2015 18:21

Tgt Ion:202 Resp: 591481

Ion	Ratio	Lower	Upper
202	100		
101	13.6	11.0	16.4
100	10.0	8.3	12.5



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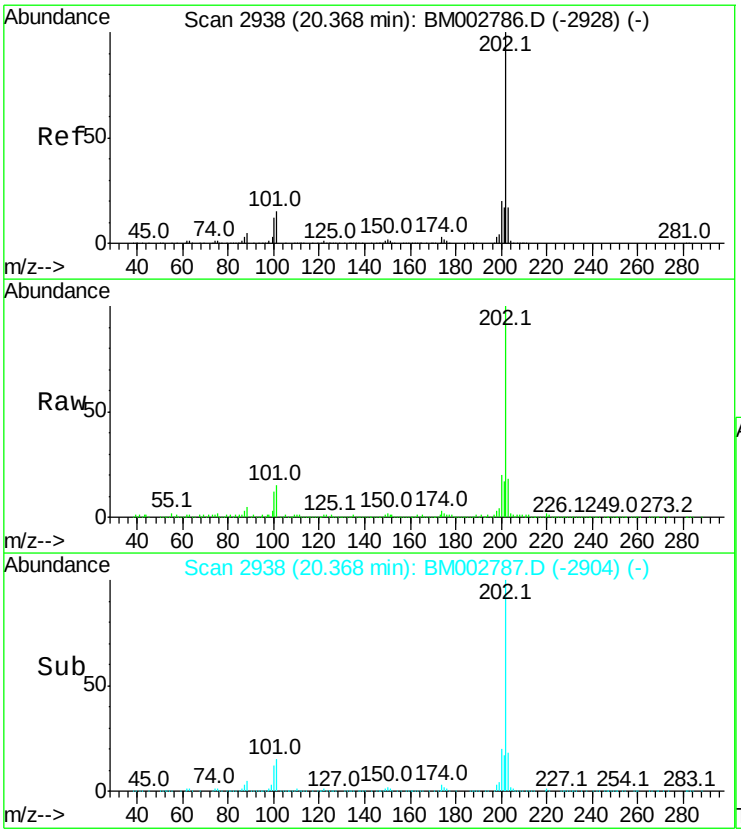
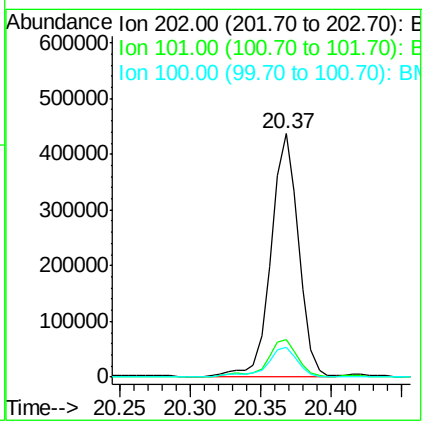
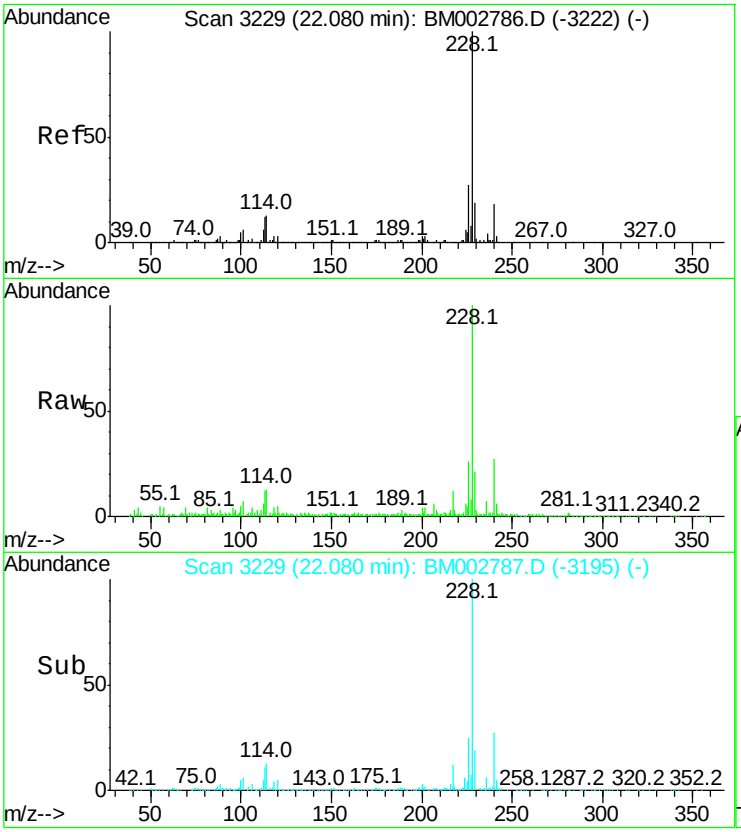


#80
Pyrene
Concen: 23.81 ng/ul
RT: 20.37 min Scan# 2938
Delta R.T. -0.00 min
Lab File: BM002787.D
Acq: 30 Sep 2015 18:21

Tgt Ion:202 Resp: 591759

Ion	Ratio	Lower	Upper
202	100		
101	15.3	12.1	18.1
100	12.5	10.2	15.4

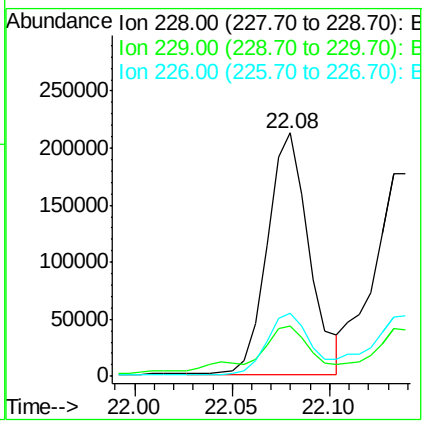




#83
Benzo(a)anthracene
Concen: 13.65 ng/ul
RT: 22.08 min Scan# 3229
Delta R.T. 0.00 min
Lab File: BM002787.D
Acq: 30 Sep 2015 18:21

Tgt Ion:228 Resp: 317397

Ion	Ratio	Lower	Upper
228	100		
229	20.9	16.1	24.1
226	26.2	20.9	31.3



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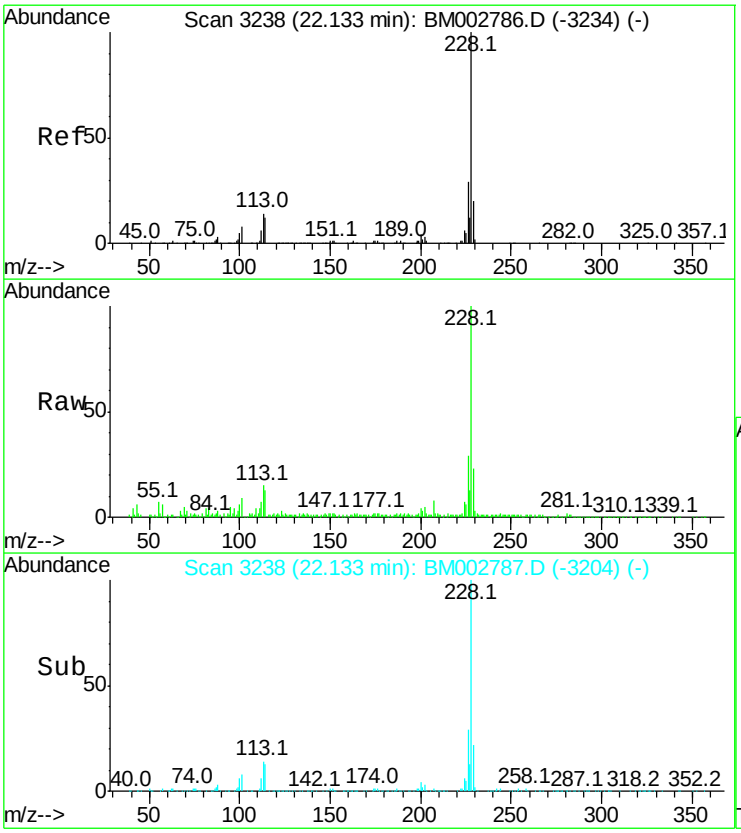
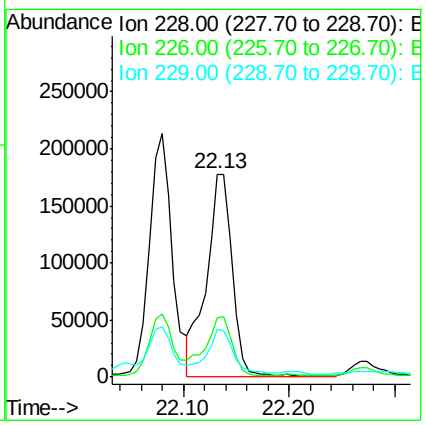
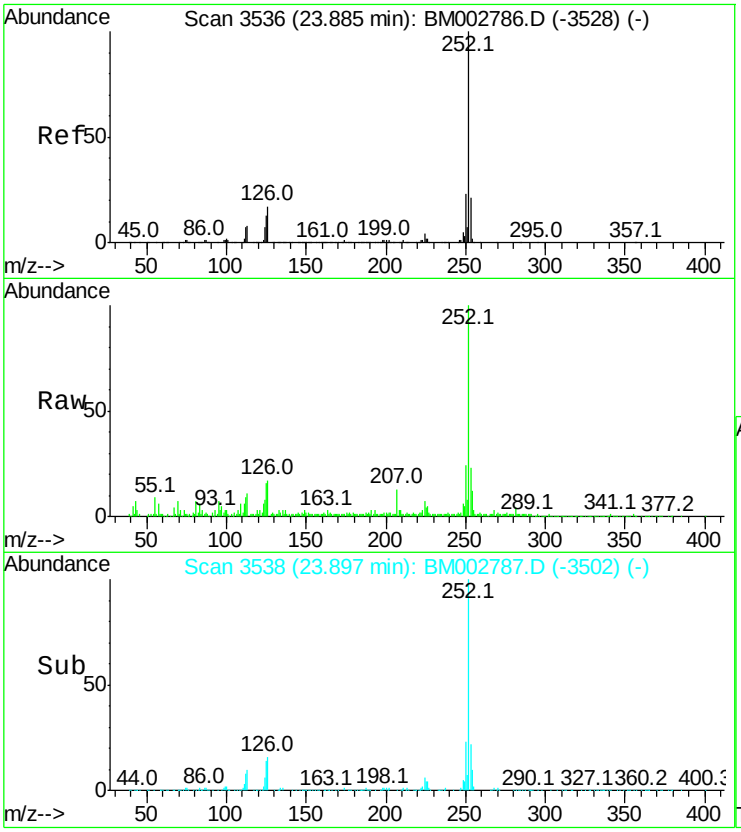


#85
Chrysene
Concen: 14.15 ng/ul m
RT: 22.13 min Scan# 3238
Delta R.T. 0.00 min
Lab File: BM002787.D
Acq: 30 Sep 2015 18:21

Tgt Ion:228 Resp: 310489

Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.4	33.6
229	23.4	15.4	23.2#

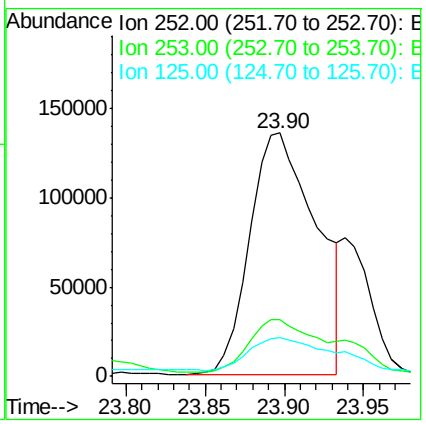




#88
Benzo(b)fluoranthene
Concen: 17.46 ng/ul
RT: 23.90 min Scan# 3538
Delta R.T. 0.01 min
Lab File: BM002787.D
Acq: 30 Sep 2015 18:21

Tgt Ion:252 Resp: 395481

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.6	26.4
125	16.0	10.6	15.8#



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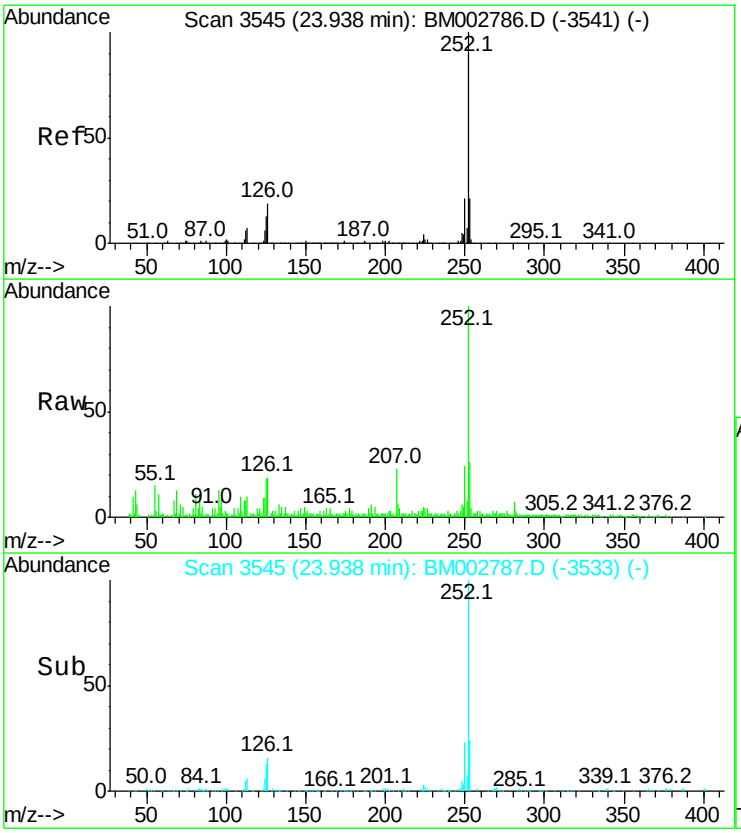
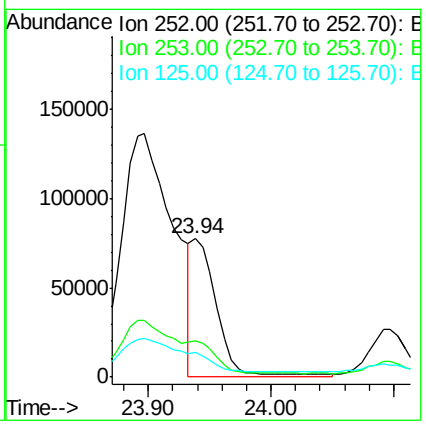
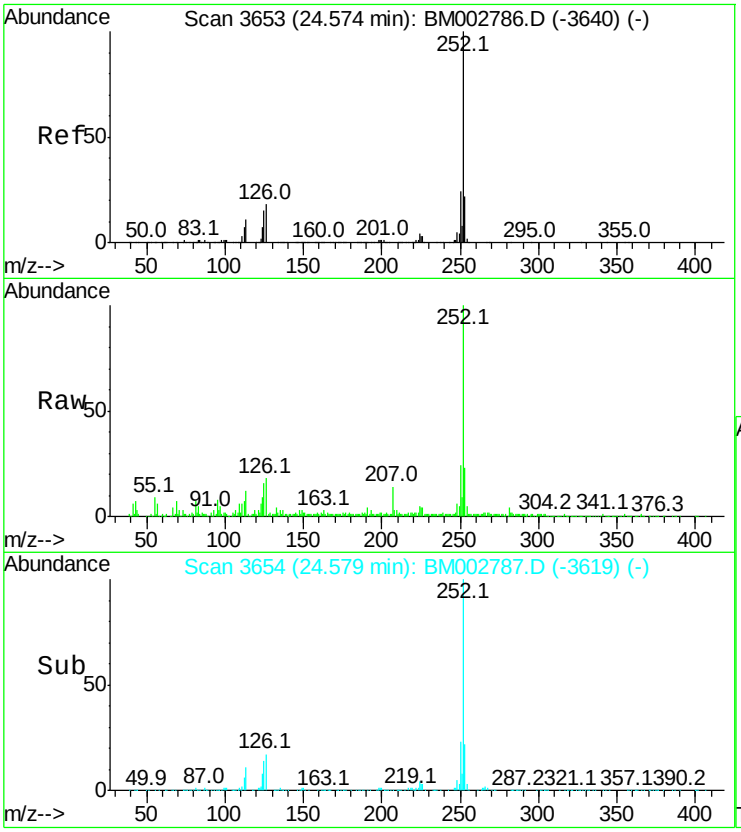


#89
Benzo(k)fluoranthene
Concen: 4.99 ng/ul m
RT: 23.94 min Scan# 3545
Delta R.T. 0.00 min
Lab File: BM002787.D
Acq: 30 Sep 2015 18:21

Tgt Ion:252 Resp: 107070

Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.3	25.9#
125	17.7	10.0	15.0#

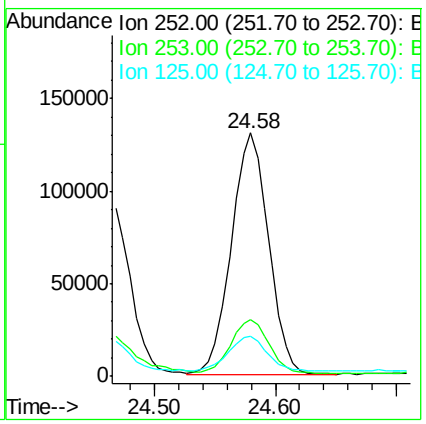




#91
Benzo(a)pyrene
Concen: 12.86 ng/ul
RT: 24.58 min Scan# 3654
Delta R.T. 0.01 min
Lab File: BM002787.D
Acq: 30 Sep 2015 18:21

Tgt Ion:252 Resp: 279647

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	16.4	11.4	17.2



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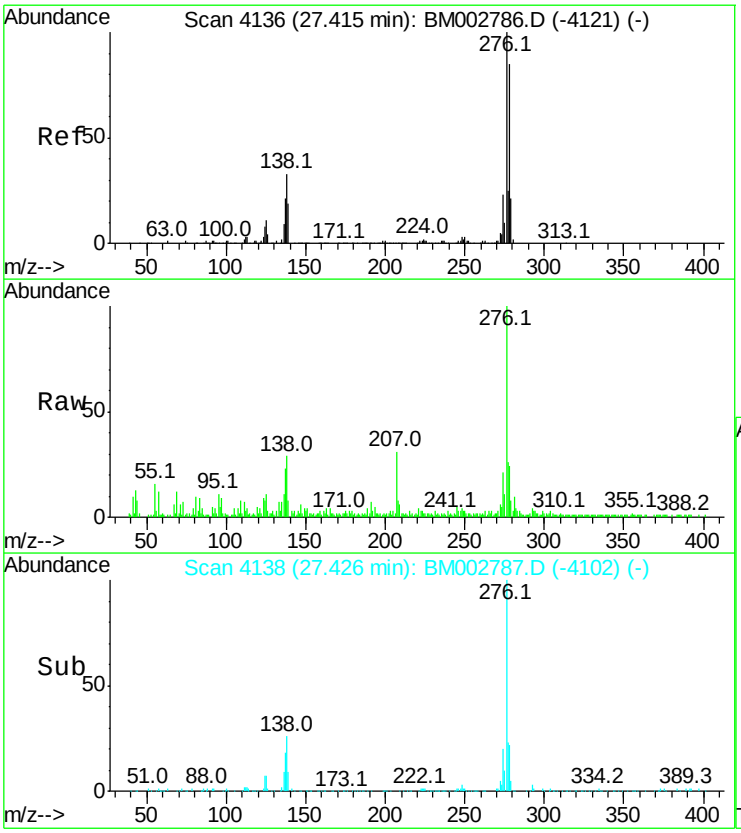
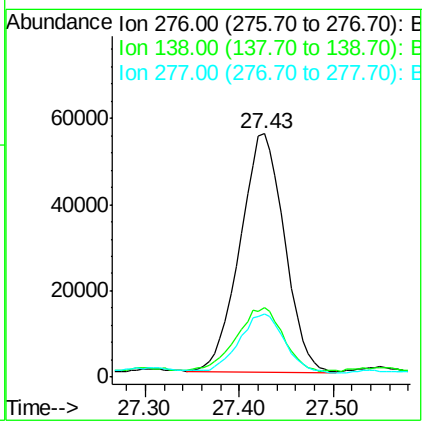
Manual Integrations APPROVED
MMDadoda
10/1/2015 4:09:13 PM

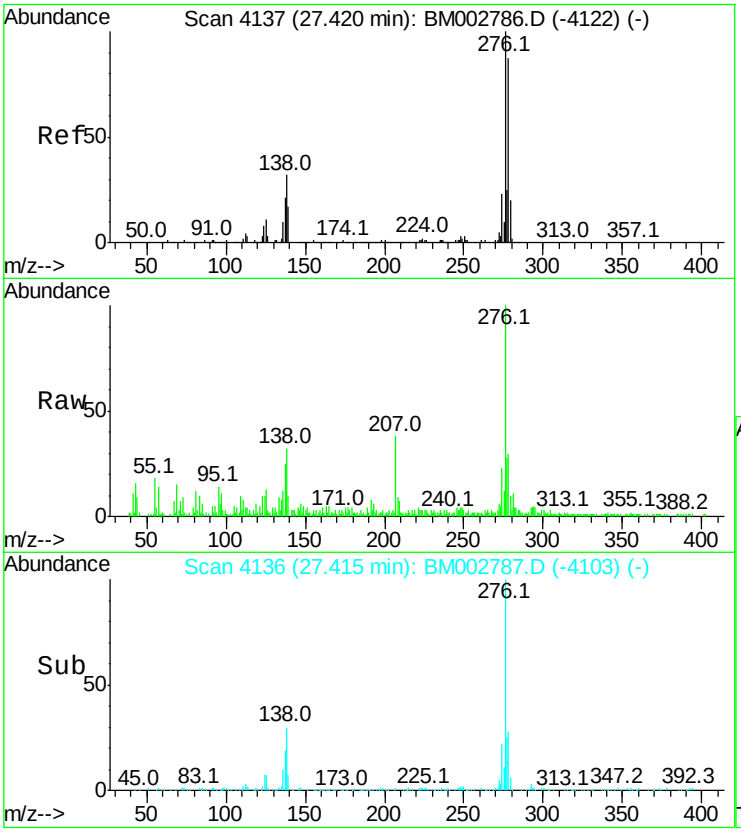


#92
Indeno(1,2,3-cd)pyrene
Concen: 7.14 ng/ul
RT: 27.43 min Scan# 4138
Delta R.T. 0.01 min
Lab File: BM002787.D
Acq: 30 Sep 2015 18:21

Tgt Ion:276 Resp: 181316

Ion	Ratio	Lower	Upper
276	100		
138	28.5	27.7	41.5
277	25.7	20.2	30.4





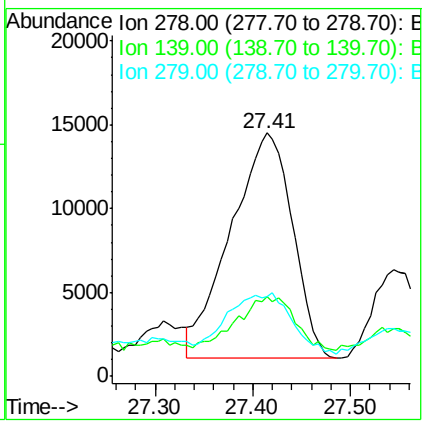
#93
Dibenzo(a,h)anthracene
Concen: 2.78 ng/ul
RT: 27.41 min Scan# 4136
Delta R.T. -0.01 min
Lab File: BM002787.D
Acq: 30 Sep 2015 18:21

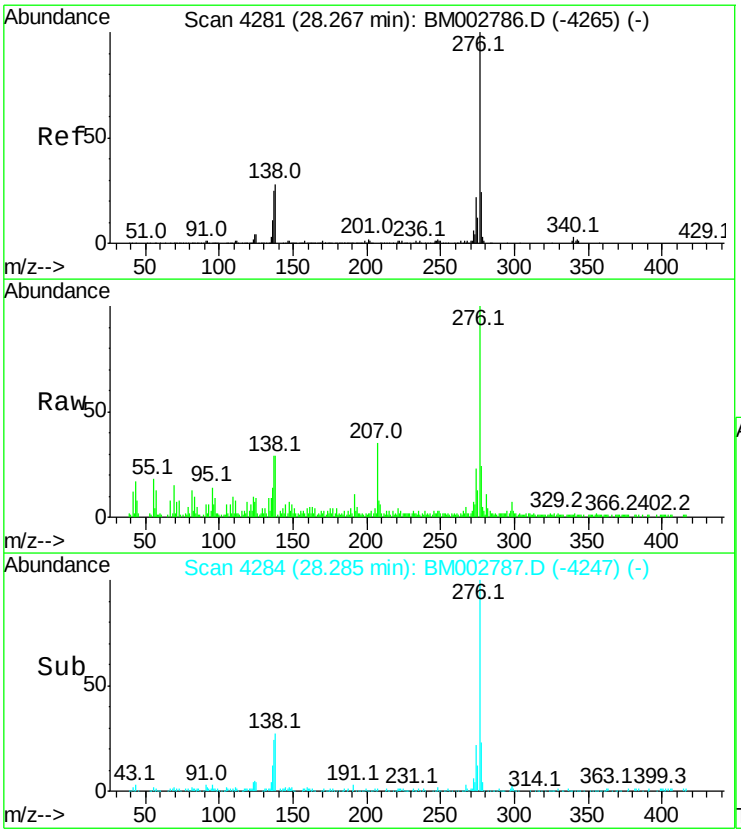
Tgt Ion:278 Resp: 59586

Ion	Ratio	Lower	Upper
278	100		
139	32.9	17.0	25.6#
279	32.7	19.0	28.6#

Instrument :
BNA_M
ClientSampleId :
E5MX5

Manual Integrations APPROVED
MMDadoda
10/1/2015 4:09:13 PM





#94
Benzo(g,h,i)perylene
Concen: 8.59 ng/ul
RT: 28.29 min Scan# 4284
Delta R.T. 0.02 min
Lab File: BM002787.D
Acq: 30 Sep 2015 18:21

Tgt Ion:276 Resp: 183506

Ion	Ratio	Lower	Upper
276	100		
138	29.1	21.8	32.8
277	24.4	18.9	28.3