Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081715\
Data File : BM002459.D
Acq On : 17 Aug 2015 19:55
Operator : UM/IZ
Sample : G3227-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9DC9

Manual Integrations APPROVED
MMDadoda
8/18/2015 5:16:20 PM

Quant Time: Aug 18 02:53:01 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 18 01:54:16 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	144258	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	642545	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.46	164	322454	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.17	188	586587	20.00	ng/ul	0.00
17) Chrysene-d12	22.25	240	392284	20.00	ng/ul	0.01
22) Perylene-d12	24.93	264	413052m	20.00	ng/ul	0.02
System Monitoring Compounds						
7) Acenaphthylene-d8	15.16	160	531613	16.13	ng/ul	0.00
10) Fluorene-d10	16.43	176	351895	15.20	ng/ul	0.00
14) Anthracene-d10	18.26	188	456203	16.12	ng/ul	0.00
18) Pyrene-d10	20.49	212	356983	20.53	ng/ul	0.01
25) Benzo(a)pyrene-d12	24.76	264	315810m	14.56	ng/ul	0.02
Target Compounds						Qvalue
3) Naphthalene	11.80	128	124365	3.79	ng/ul	99
4) 2-Methylnaphthalene	13.34	142	59706	2.43	ng/ul	99
5) 1-Methylnaphthalene	13.56	142	59023	2.43	ng/ul	99
8) Acenaphthylene	15.19	152	733538	21.26	ng/ul	100
9) Acenaphthene	15.52	153	254191	11.18	ng/ul	98
11) Fluorene	16.49	166	721823	27.72	ng/ul	100
13) Phenanthrene	18.22	178	4349991	128.42	ng/ul	98
15) Anthracene	18.30	178	1189680	34.66	ng/ul	100
16) Fluoranthene	20.16	202	5267697	137.36	ng/ul	95
19) Pyrene	20.52	202	3938044	171.36	ng/ul	97
20) Benzo(a)anthracene	22.23	228	2034613	86.73	ng/ul	97
21) Chrysene	22.29	228	1767113	80.54	ng/ul	96
23) Benzo(b)fluoranthene	24.11	252	3081574m	123.41	ng/ul	
24) Benzo(k)fluoranthene	24.16	252	1107113m	46.78	ng/ul	
26) Benzo(a)pyrene	24.83	252	2269117m	95.14	ng/ul	
27) Indeno(1,2,3-cd)pyrene	27.81	276	1936667m	70.61	ng/ul	
28) Dibenzo(a,h)anthracene	27.79	278	594743m	25.94	ng/ul	
29) Benzo(g,h,i)perylene	28.71	276	1662757m	72.82	ng/ul	

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

Quantitation Report (QT Reviewed)

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Data File : BM002459.D
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Misc :
ALS Vial : 17 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION
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Instrument :
BNA_M
ClientSampleId :
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Manual Integrations APPROVED
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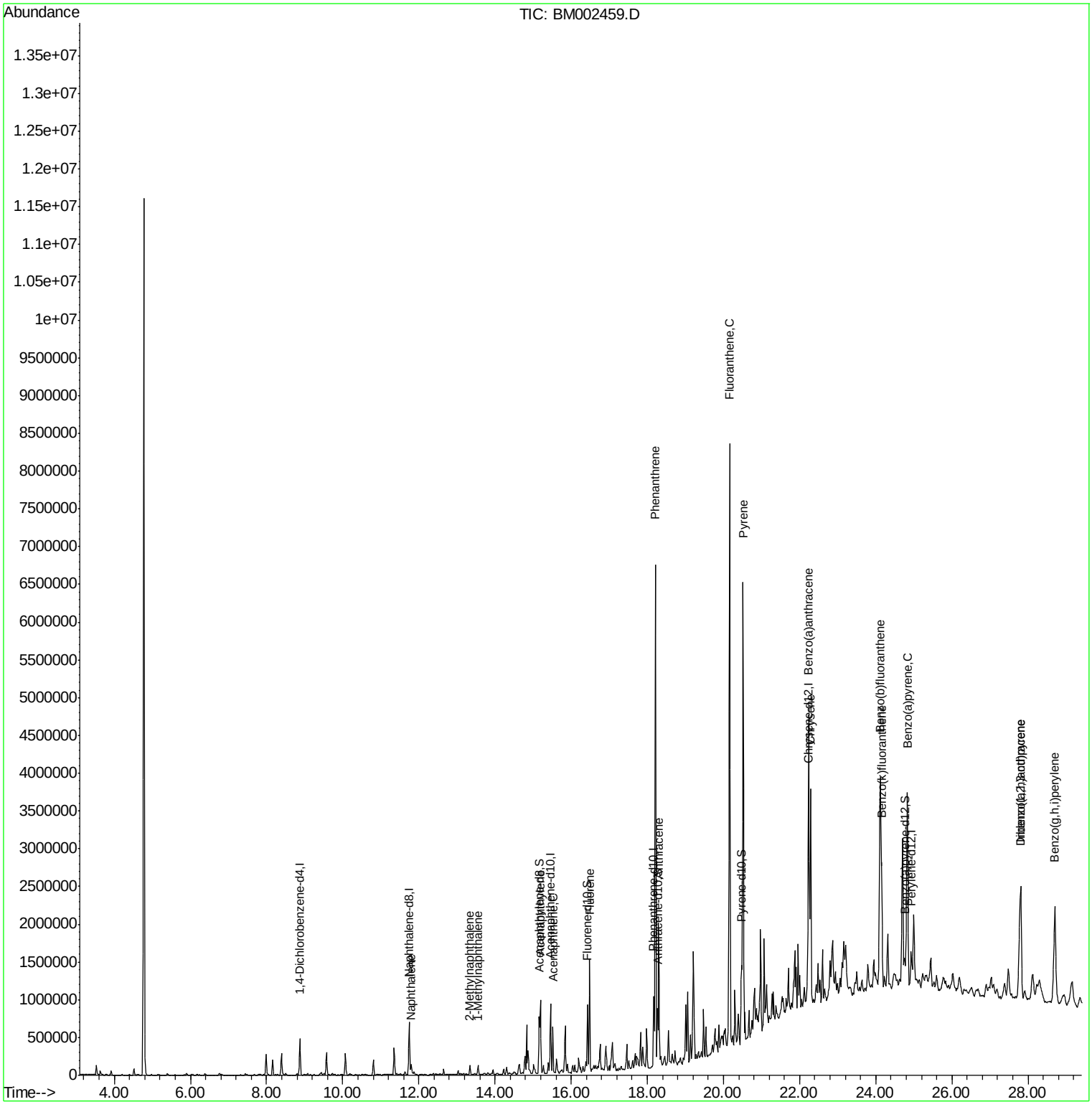

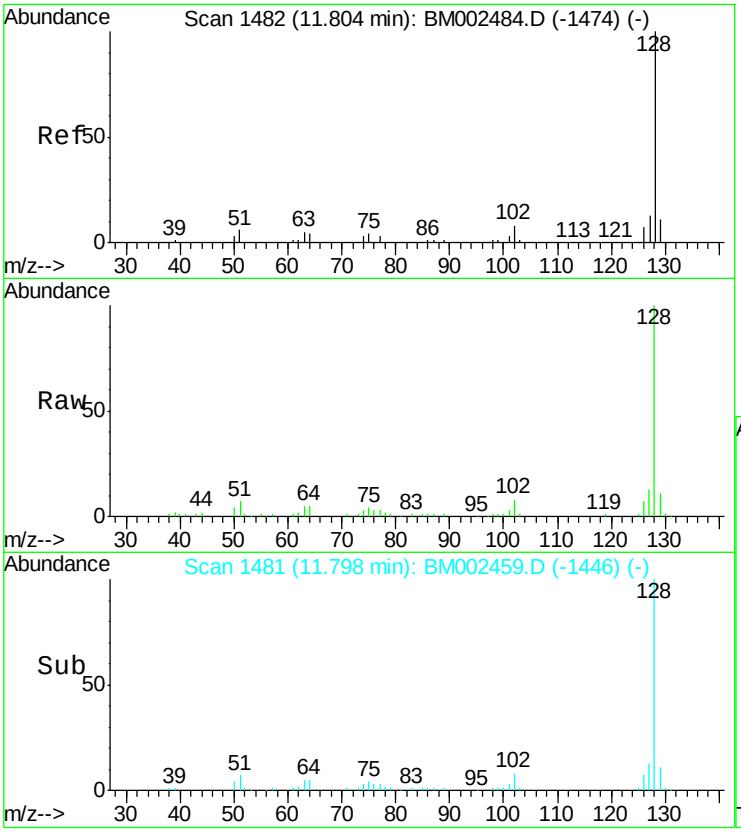

#3
Naphthalene
Concen: 3.79 ng/ul
RT: 11.80 min Scan# 1481
Delta R.T. 0.01 min
Lab File: BM002459.D
Acq: 17 Aug 2015 19:55

Tgt Ion:128 Resp: 124365

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.6	12.8
127	12.8	10.4	15.6

Instrument :
BNA_M
ClientSampleId :
D9DC9

Manual Integrations APPROVED
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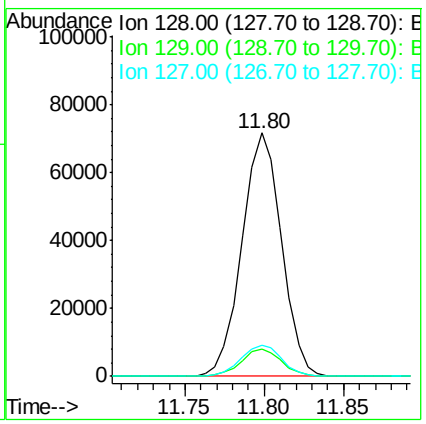
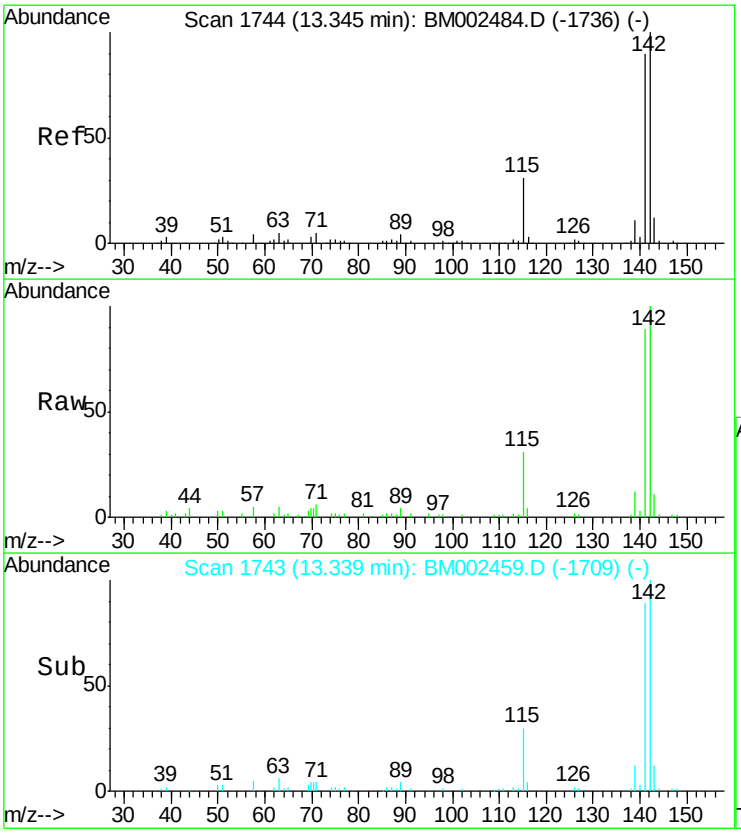
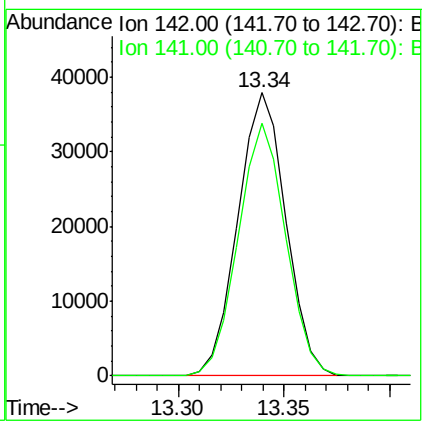


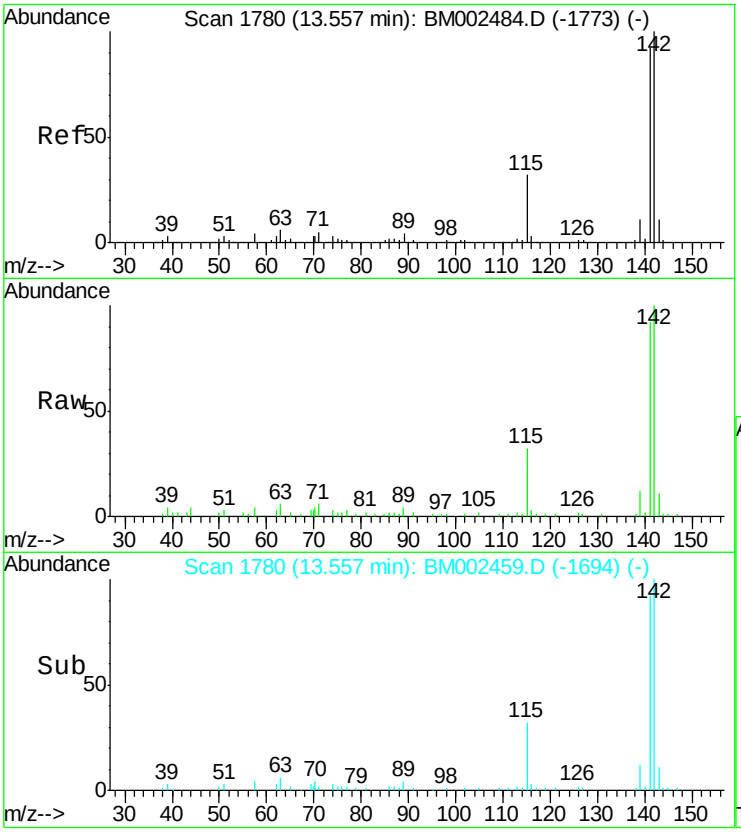


#4
2-Methylnaphthalene
Concen: 2.43 ng/ul
RT: 13.34 min Scan# 1743
Delta R.T. 0.00 min
Lab File: BM002459.D
Acq: 17 Aug 2015 19:55

Tgt Ion:142 Resp: 59706

Ion	Ratio	Lower	Upper
142	100		
141	89.4	72.2	108.2

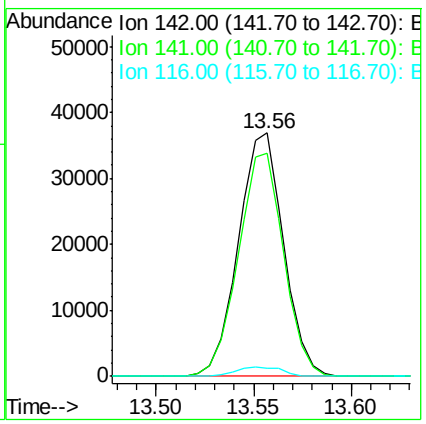




#5
1-Methylnaphthalene
Concen: 2.43 ng/ul
RT: 13.56 min Scan# 1780
Delta R.T. 0.01 min
Lab File: BM002459.D
Acq: 17 Aug 2015 19:55

Tgt Ion:142 Resp: 59023

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.9	110.9
116	3.4	3.0	4.4



Instrument :
BNA_M
ClientSampleId :
D9DC9

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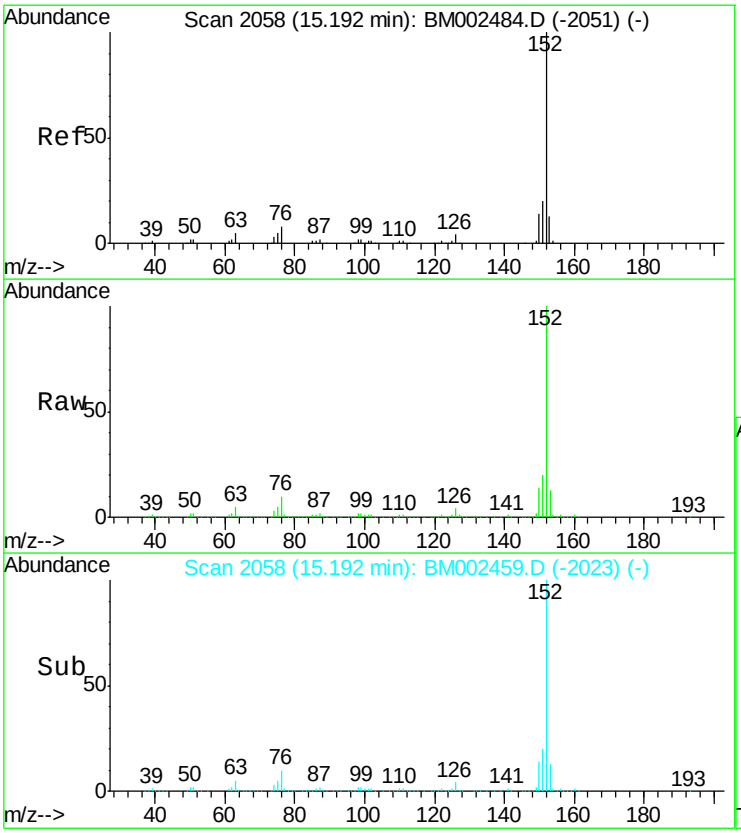
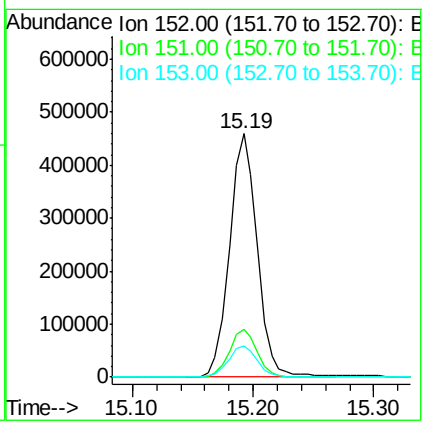
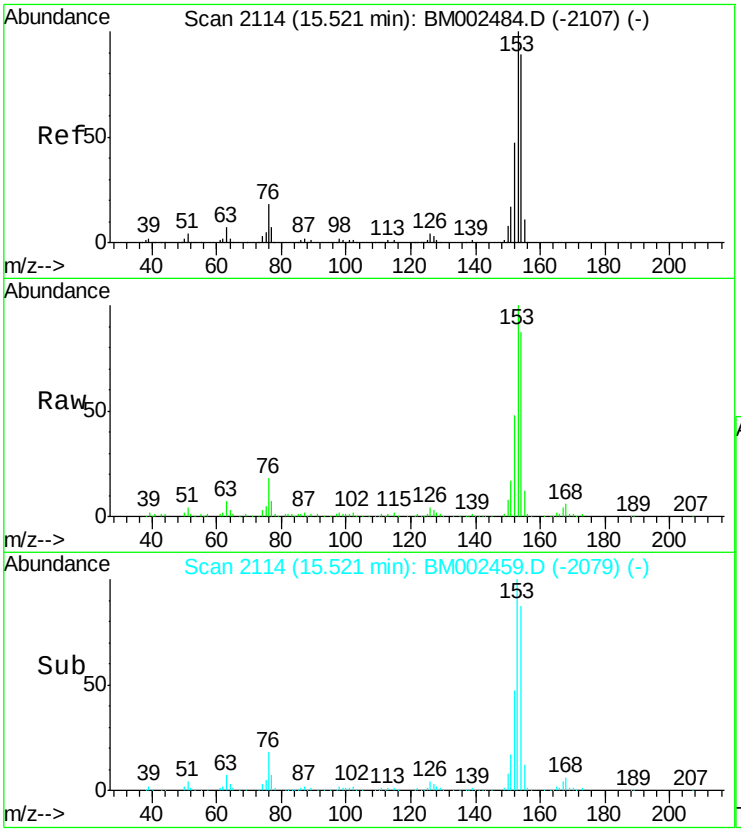


#8
Acenaphthylene
Concen: 21.26 ng/ul
RT: 15.19 min Scan# 2058
Delta R.T. 0.01 min
Lab File: BM002459.D
Acq: 17 Aug 2015 19:55

Tgt Ion:152 Resp: 733538

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	13.0	10.2	15.4

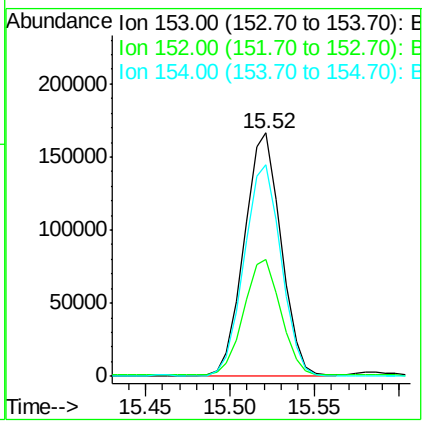




#9
Acenaphthene
Concen: 11.18 ng/ul
RT: 15.52 min Scan# 2114
Delta R.T. 0.01 min
Lab File: BM002459.D
Acq: 17 Aug 2015 19:55

Tgt Ion:153 Resp: 254191

Ion	Ratio	Lower	Upper
153	100		
152	47.9	36.9	55.3
154	87.1	71.3	106.9



Instrument :
BNA_M
ClientSampleId :
D9DC9

Manual Integrations APPROVED
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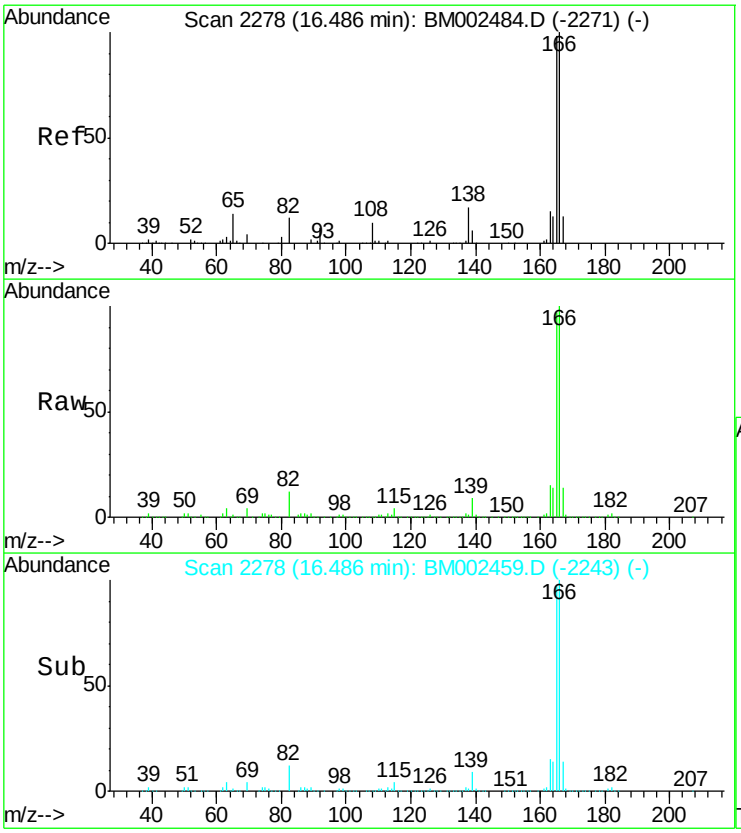
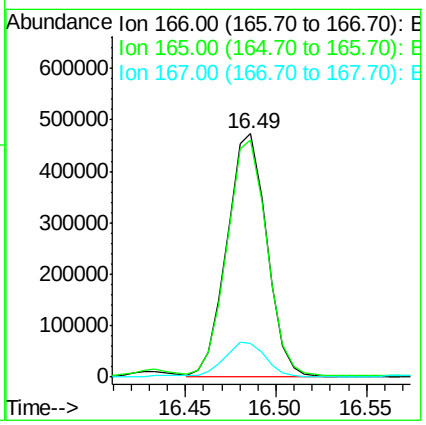
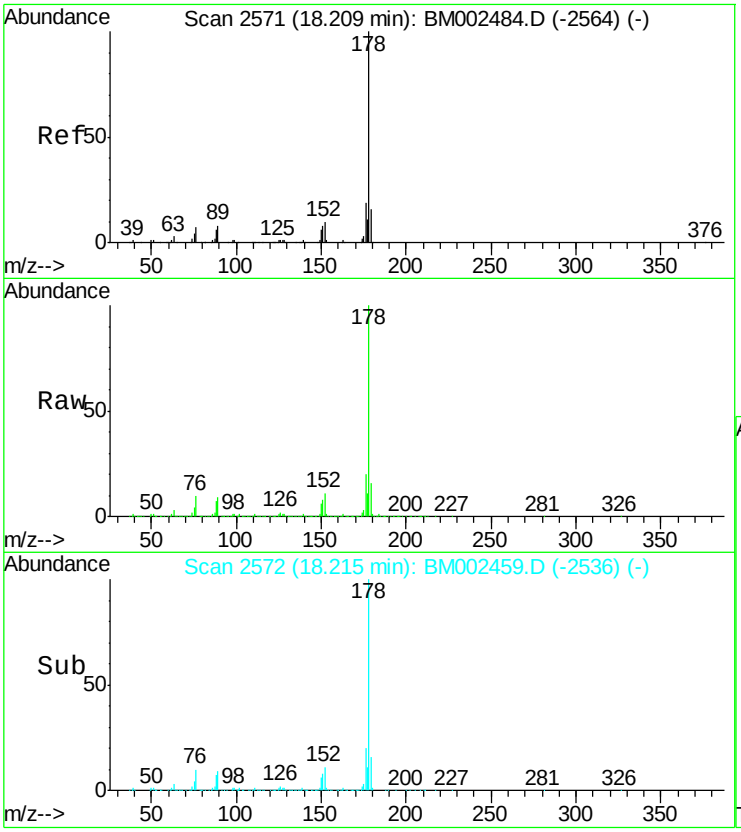


#11
Fluorene
Concen: 27.72 ng/ul
RT: 16.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BM002459.D
Acq: 17 Aug 2015 19:55

Tgt Ion:166 Resp: 721823

Ion	Ratio	Lower	Upper
166	100		
165	97.3	77.6	116.4
167	14.0	10.7	16.1

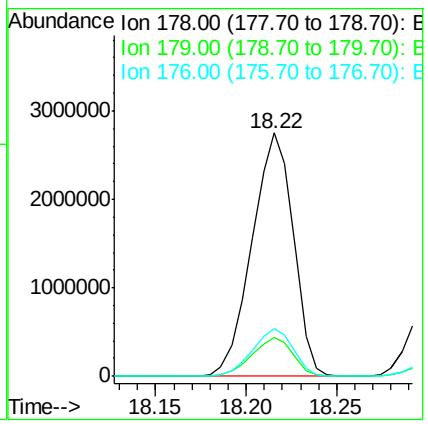




#13
Phenanthrene
Concen: 128.42 ng/ul
RT: 18.22 min Scan# 2572
Delta R.T. 0.01 min
Lab File: BM002459.D
Acq: 17 Aug 2015 19:55

Tgt Ion:178 Resp: 4349991

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.4	18.6
176	19.8	15.1	22.7



Instrument :
BNA_M
ClientSampleId :
D9DC9

Manual Integrations APPROVED
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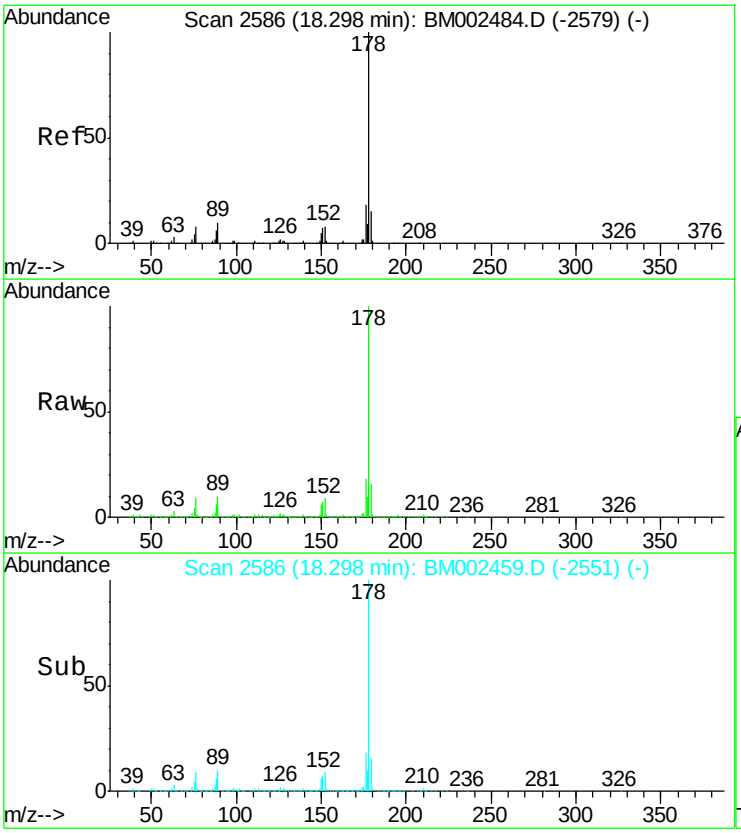
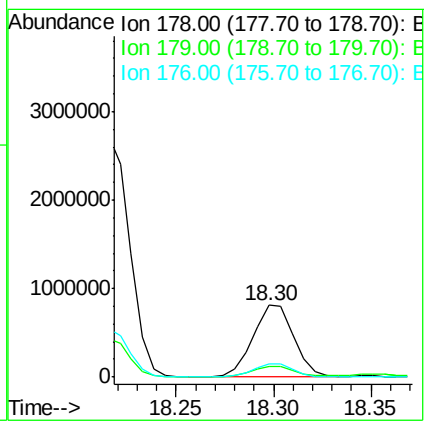
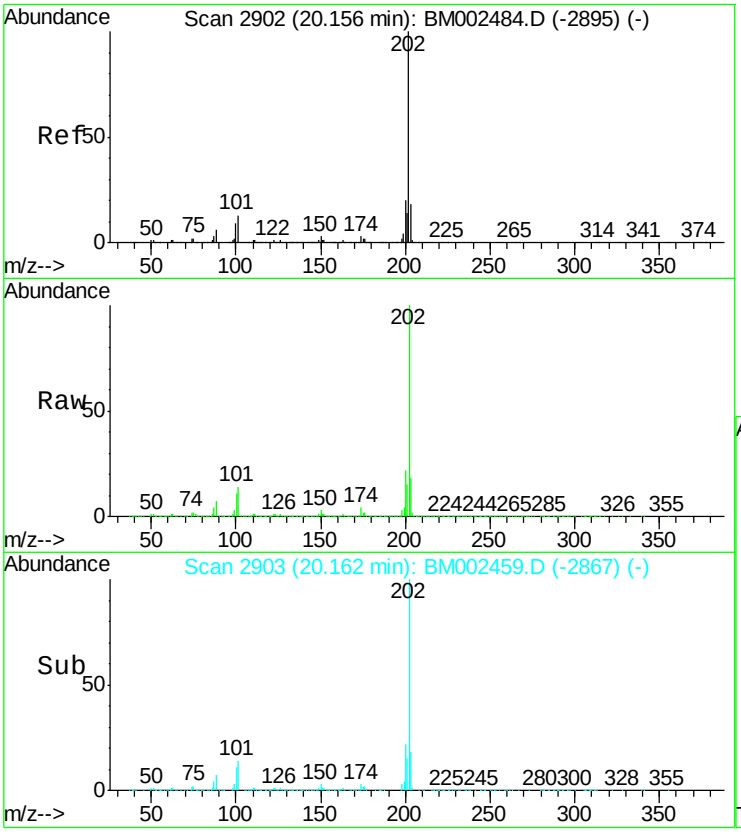


#15
Anthracene
Concen: 34.66 ng/ul
RT: 18.30 min Scan# 2586
Delta R.T. 0.01 min
Lab File: BM002459.D
Acq: 17 Aug 2015 19:55

Tgt Ion:178 Resp: 1189680

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.6	18.8
176	18.4	14.5	21.7

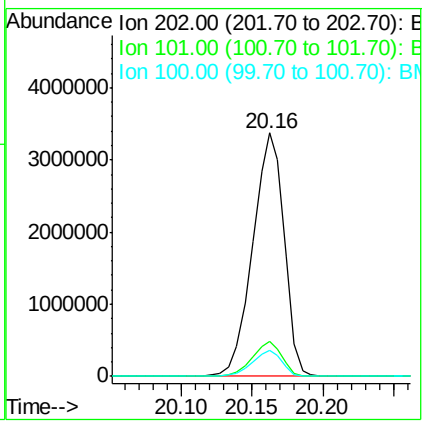




#16
Fluoranthene
Concen: 137.36 ng/ul
RT: 20.16 min Scan# 2903
Delta R.T. 0.01 min
Lab File: BM002459.D
Acq: 17 Aug 2015 19:55

Tgt Ion:202 Resp: 5267697

Ion	Ratio	Lower	Upper
202	100		
101	14.1	9.7	14.5
100	10.7	7.4	11.2



Instrument :
BNA_M
ClientSampleId :
D9DC9

Manual Integrations APPROVED
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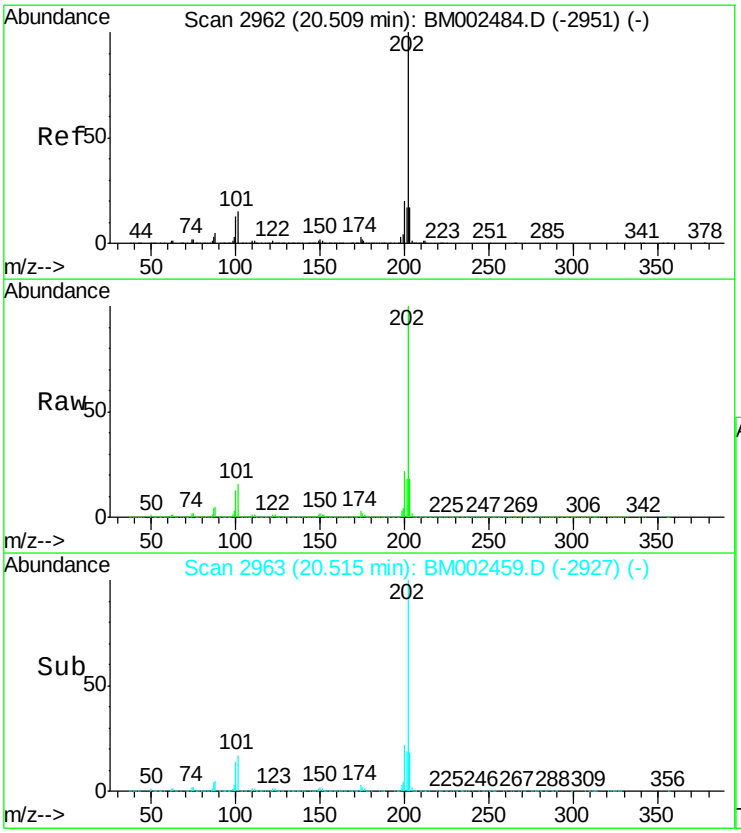
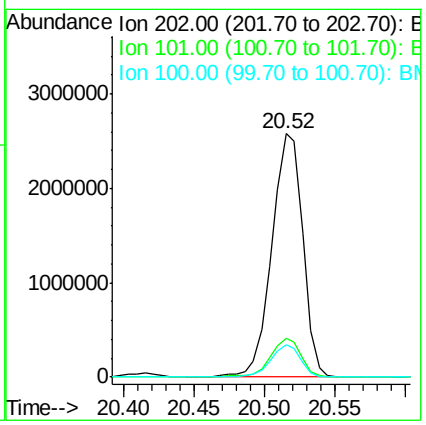
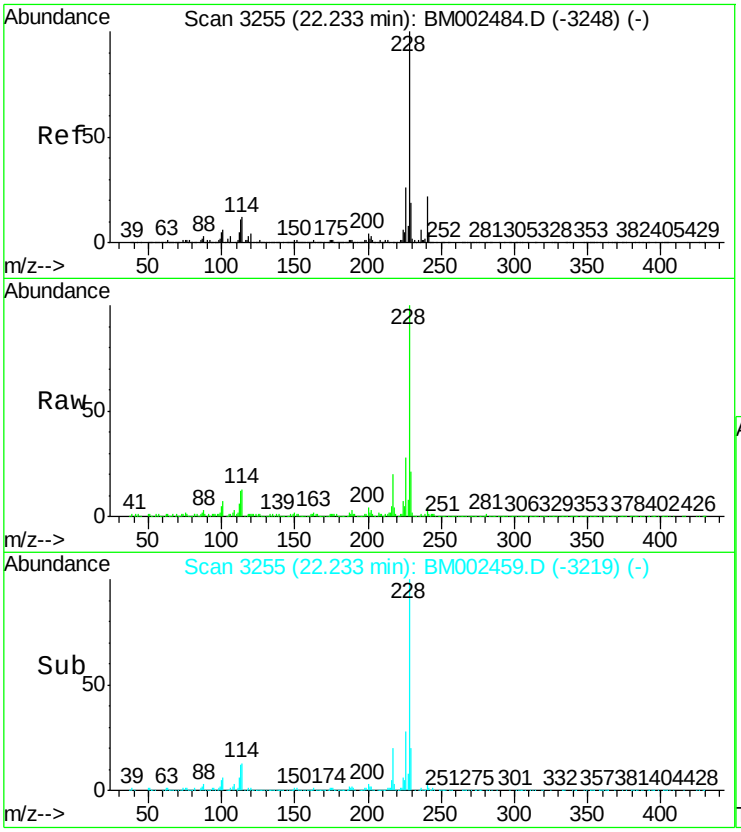


#19
Pyrene
Concen: 171.36 ng/ul
RT: 20.52 min Scan# 2963
Delta R.T. 0.01 min
Lab File: BM002459.D
Acq: 17 Aug 2015 19:55

Tgt Ion:202 Resp: 3938044

Ion	Ratio	Lower	Upper
202	100		
101	16.1	12.0	18.0
100	13.3	9.7	14.5

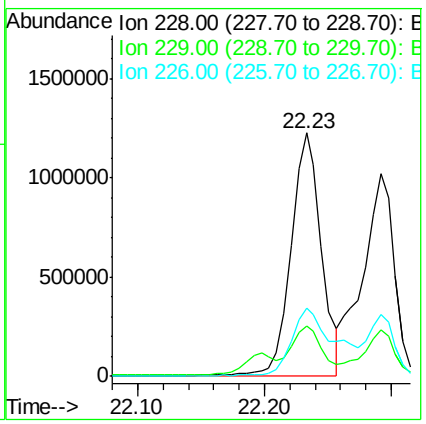




#20
Benzo(a)anthracene
Concen: 86.73 ng/ul
RT: 22.23 min Scan# 3255
Delta R.T. 0.01 min
Lab File: BM002459.D
Acq: 17 Aug 2015 19:55

Tgt Ion:228 Resp: 2034613

Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.8	23.6
226	27.9	21.1	31.7



Instrument :
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ClientSampleId :
D9DC9

Manual Integrations APPROVED
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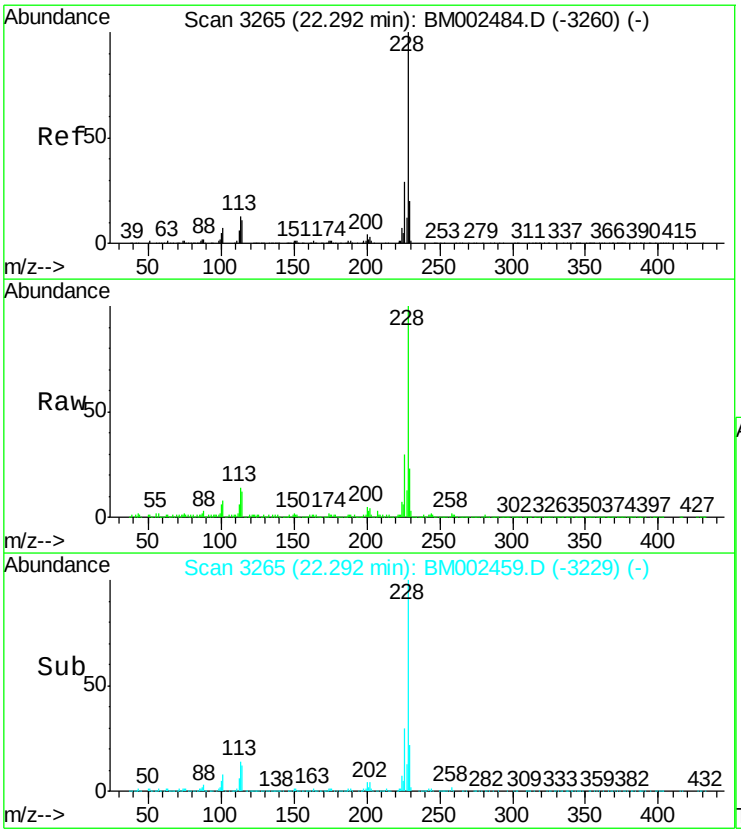
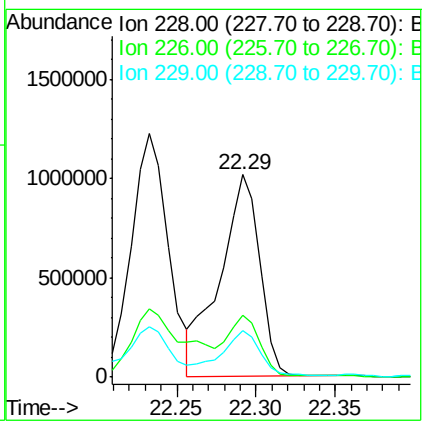
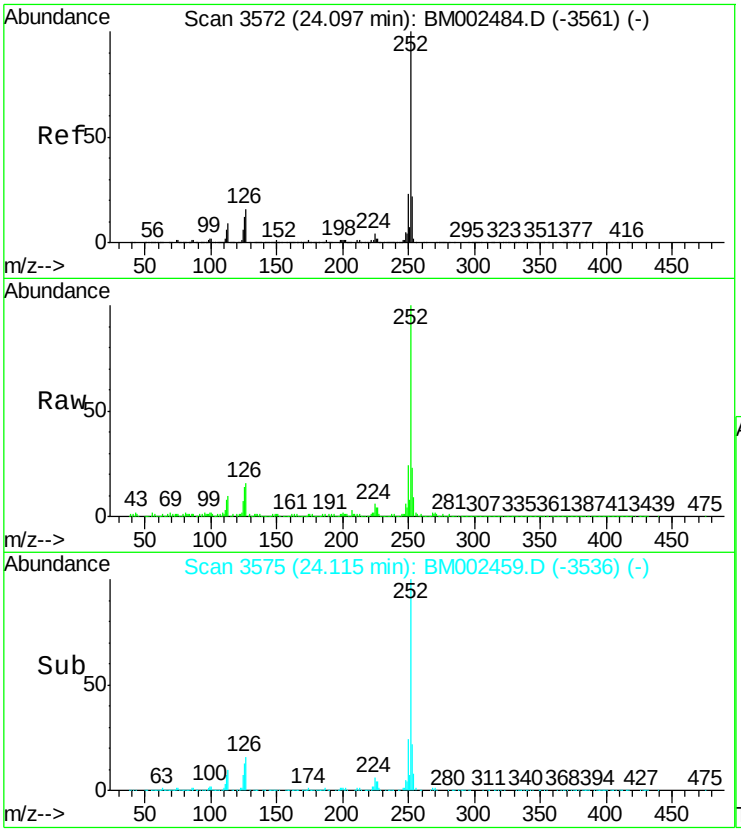


#21
Chrysene
Concen: 80.54 ng/ul
RT: 22.29 min Scan# 3265
Delta R.T. 0.01 min
Lab File: BM002459.D
Acq: 17 Aug 2015 19:55

Tgt Ion:228 Resp: 1767113

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.4	35.2
229	22.7	15.7	23.5

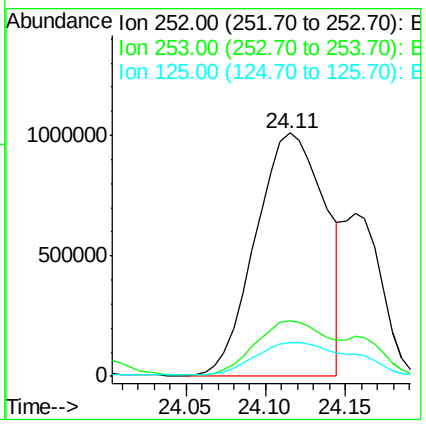




#23
Benzo(b)fluoranthene
Concen: 123.41 ng/ul m
RT: 24.11 min Scan# 3575
Delta R.T. 0.03 min
Lab File: BM002459.D
Acq: 17 Aug 2015 19:55

Tgt Ion:252 Resp: 3081574

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	14.0	10.0	15.0



Instrument :
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ClientSampleId :
D9DC9

Manual Integrations APPROVED
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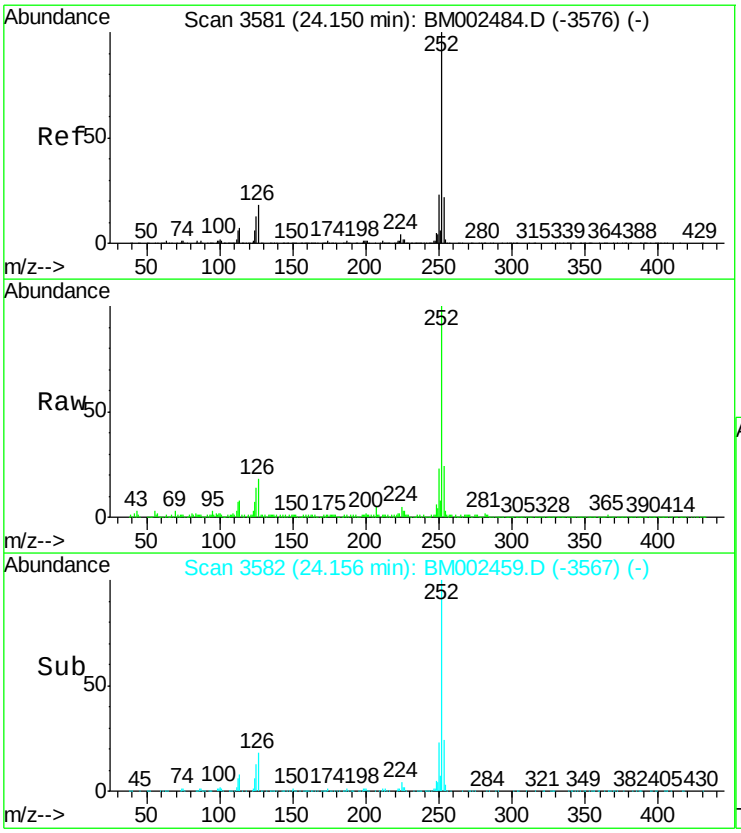
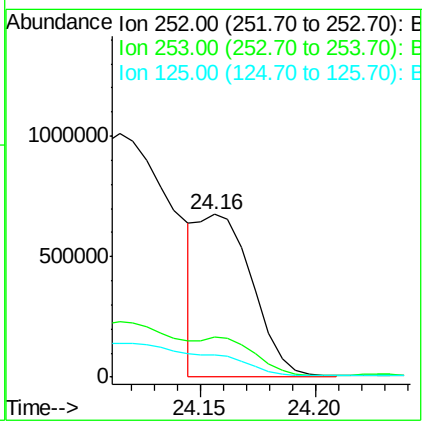
8/18/2015 5:16:20 PM

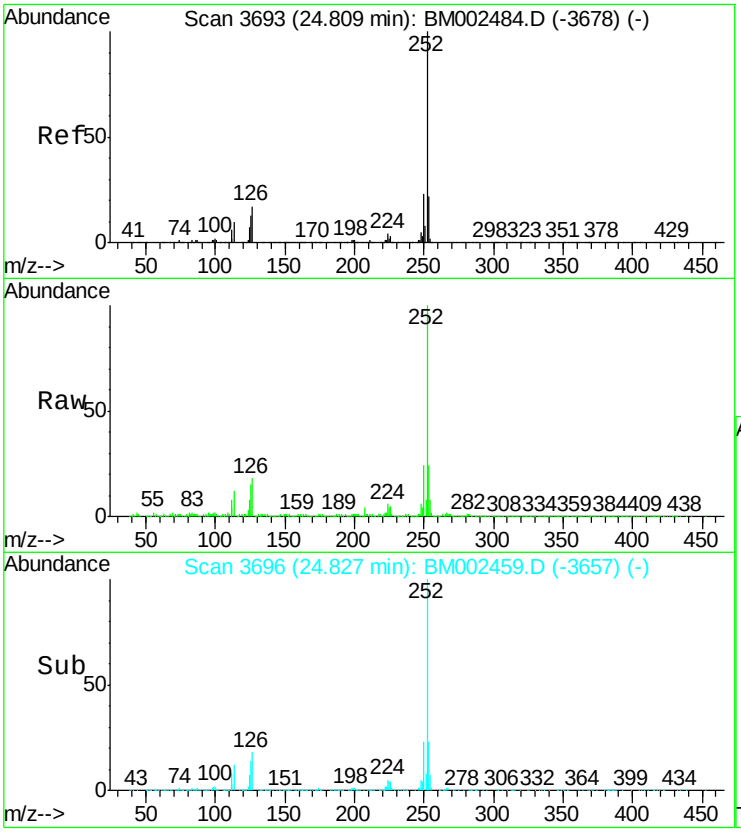


#24
Benzo(k)fluoranthene
Concen: 46.78 ng/ul m
RT: 24.16 min Scan# 3582
Delta R.T. 0.02 min
Lab File: BM002459.D
Acq: 17 Aug 2015 19:55

Tgt Ion:252 Resp: 1107113

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.6
125	13.7	9.8	14.8

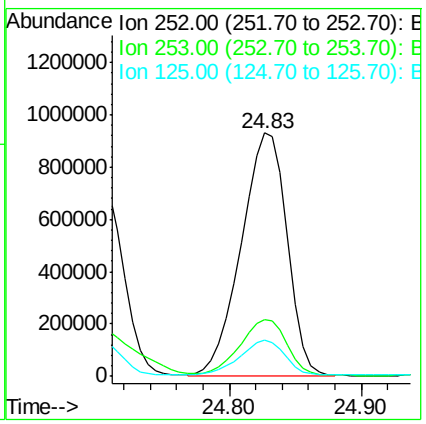




#26
Benzo(a)pyrene
Concen: 95.14 ng/ul m
RT: 24.83 min Scan# 3696
Delta R.T. 0.03 min
Lab File: BM002459.D
Acq: 17 Aug 2015 19:55

Tgt Ion:252 Resp: 2269117

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.6	26.4
125	14.9	10.7	16.1



Instrument :
BNA_M
ClientSampleId :
D9DC9

Manual Integrations APPROVED
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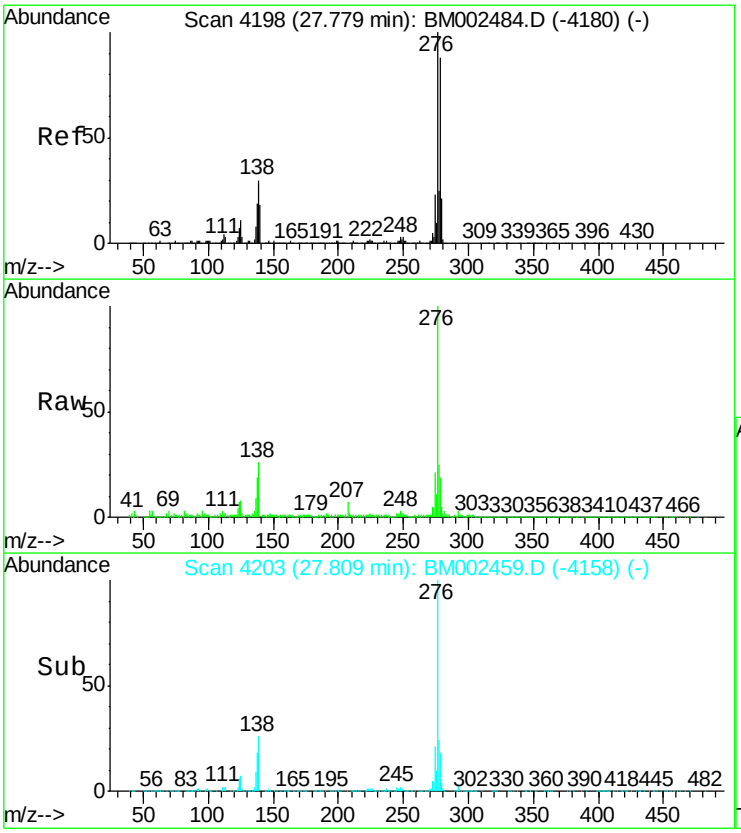
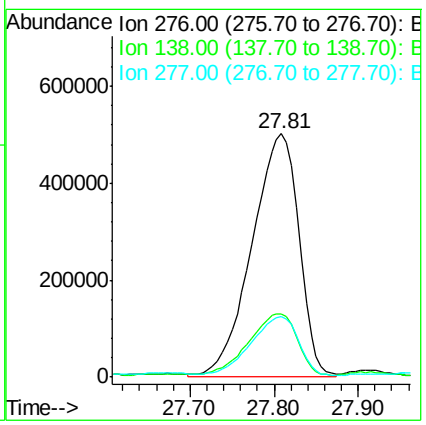
8/18/2015 5:16:20 PM

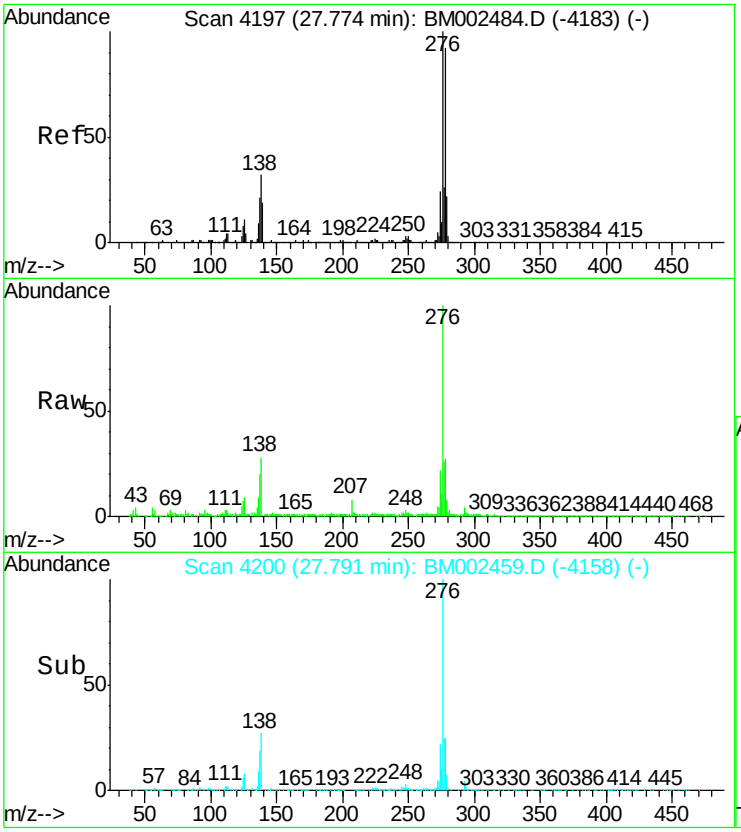


#27
Indeno(1,2,3-cd)pyrene
Concen: 70.61 ng/ul m
RT: 27.81 min Scan# 4203
Delta R.T. 0.06 min
Lab File: BM002459.D
Acq: 17 Aug 2015 19:55

Tgt Ion:276 Resp: 1936667

Ion	Ratio	Lower	Upper
276	100		
138	25.9	25.3	37.9
277	24.9	20.2	30.2





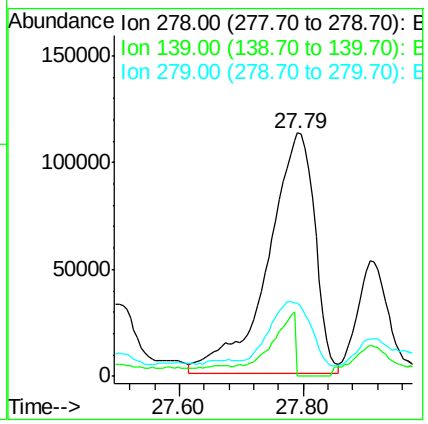
#28
Dibenzo(a,h)anthracene
Concen: 25.94 ng/ul m
RT: 27.79 min Scan# 4200
Delta R.T. 0.05 min
Lab File: BM002459.D
Acq: 17 Aug 2015 19:55

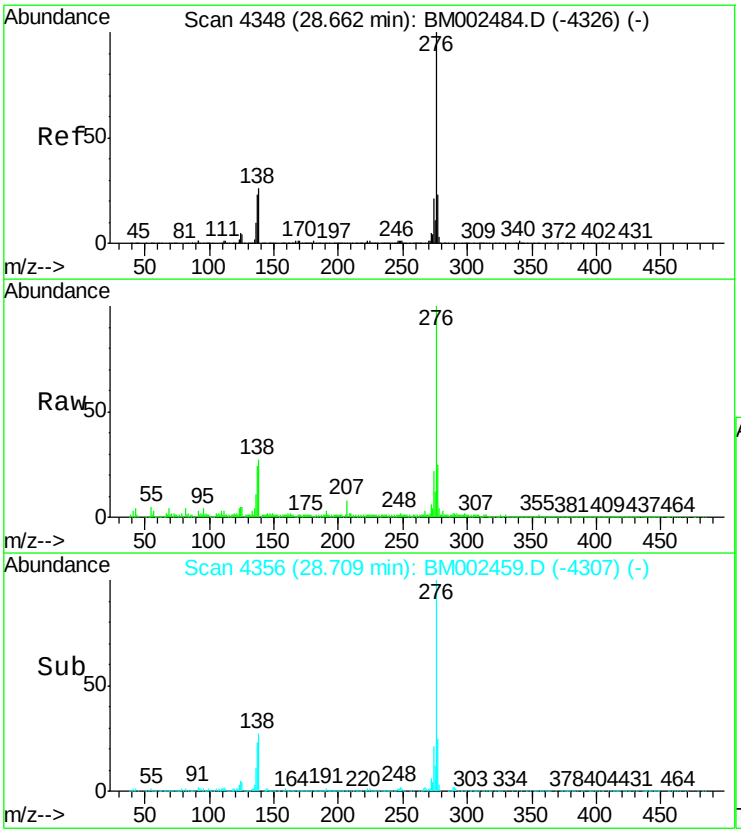
Tgt Ion:278 Resp: 594743

Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.5	24.7#
279	30.2	18.8	28.2#

Instrument :
BNA_M
ClientSampleId :
D9DC9

Manual Integrations APPROVED
MMDadoda
8/18/2015 5:16:20 PM





#29
Benzo(g,h,i)perylene
Concen: 72.82 ng/ul m
RT: 28.71 min Scan# 4356
Delta R.T. 0.09 min
Lab File: BM002459.D
Acq: 17 Aug 2015 19:55

Tgt Ion:276 Resp: 1662757

Ion	Ratio	Lower	Upper
276	100		
138	27.2	21.0	31.6
277	25.3	19.2	28.8