Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM083115\
Data File : BM002635.D
Acq On : 01 Sep 2015 19:10
Operator : UM/IZ
Sample : G3457-04
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9EA8

Manual Integrations APPROVED
MMDadoda
9/2/2015 1:36:15 PM

Quant Time: Sep 02 00:53:41 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Sep 02 00:45:29 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	127952	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	629559	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	315419	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	552408	20.00	ng/ul	0.00
17) Chrysene-d12	22.16	240	418272	20.00	ng/ul	0.00
22) Perylene-d12	24.80	264	400269	20.00	ng/ul	0.01
System Monitoring Compounds						
7) Acenaphthylene-d8	15.07	160	578691	17.94	ng/ul	0.00
10) Fluorene-d10	16.34	176	385024	17.00	ng/ul	0.00
14) Anthracene-d10	18.17	188	502900	18.87	ng/ul	0.00
18) Pyrene-d10	20.40	212	366840	19.79	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.63	264	392707	18.68	ng/ul	0.01
Target Compounds						Qvalue
3) Naphthalene	11.70	128	76069	2.37	ng/ul	98
4) 2-Methylnaphthalene	13.25	142	32352	1.34	ng/ul	98
5) 1-Methylnaphthalene	13.46	142	24143	1.01	ng/ul	99
8) Acenaphthylene	15.10	152	51533	1.53	ng/ul	99
9) Acenaphthene	15.43	153	38336	1.72	ng/ul	99
11) Fluorene	16.40	166	31600	1.24	ng/ul#	95
13) Phenanthrene	18.12	178	479583	15.03	ng/ul	100
15) Anthracene	18.21	178	132518	4.10	ng/ul	99
16) Fluoranthene	20.07	202	909286	25.18	ng/ul	97
19) Pyrene	20.43	202	669148	27.31	ng/ul	99
20) Benzo(a)anthracene	22.14	228	464587	18.57	ng/ul	99
21) Chrysene	22.20	228	455648	19.48	ng/ul	96
23) Benzo(b)fluoranthene	23.99	252	707593	29.24	ng/ul	96
24) Benzo(k)fluoranthene	24.03	252	189635m	8.27	ng/ul	
26) Benzo(a)pyrene	24.68	252	455415	19.70	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.57	276	307762	11.58	ng/ul	96
28) Dibenzo(a,h)anthracene	27.56	278	85174	3.83	ng/ul#	81
29) Benzo(g,h,i)perylene	28.44	276	275628	12.46	ng/ul	96

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM083115\
Data File : BM002635.D
Acq On : 01 Sep 2015 19:10
Operator : UM/IZ
Sample : G3457-04
Misc :
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Sep 02 00:53:41 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Sep 02 00:45:29 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9EA8

Manual Integrations APPROVED
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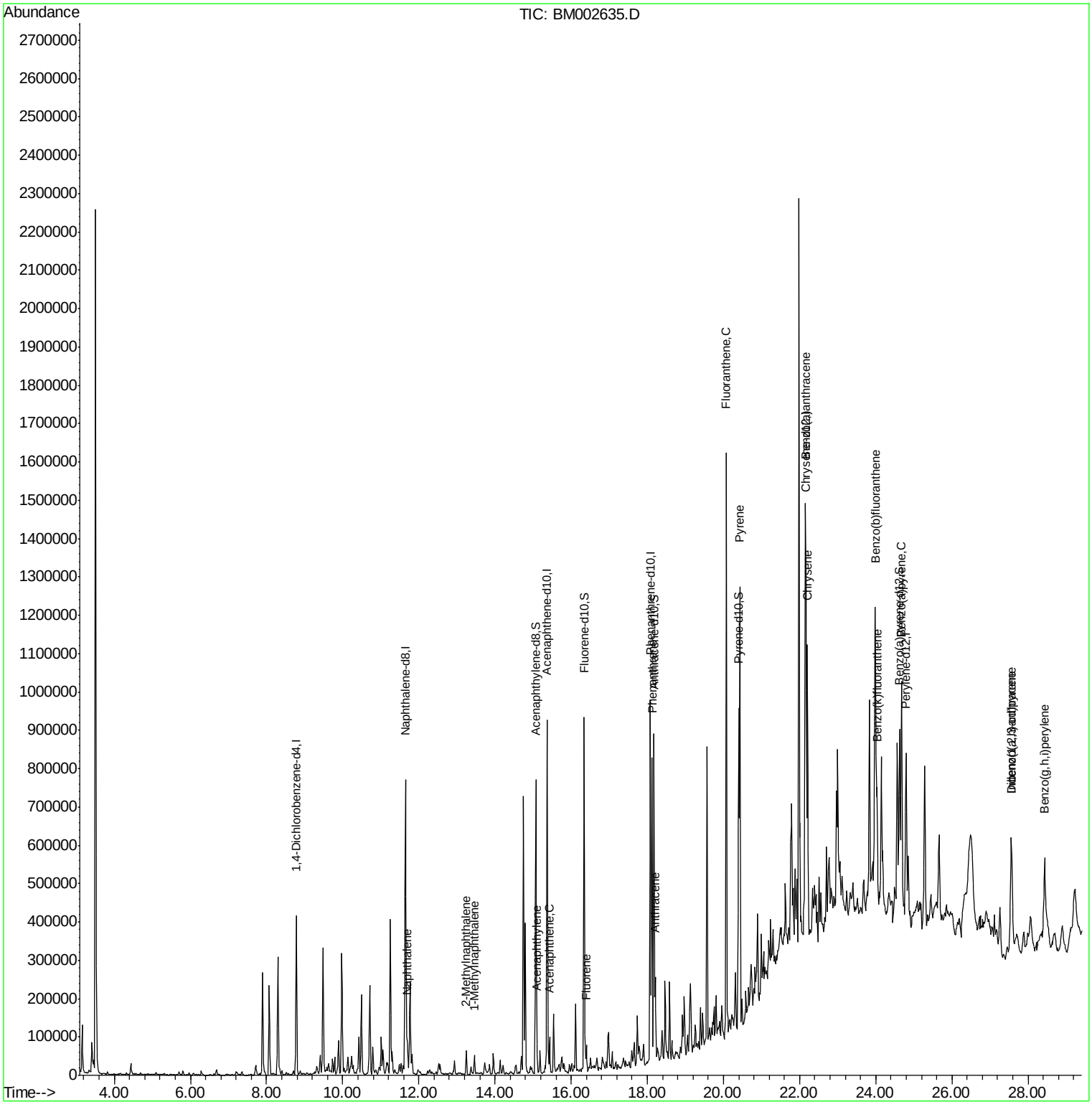
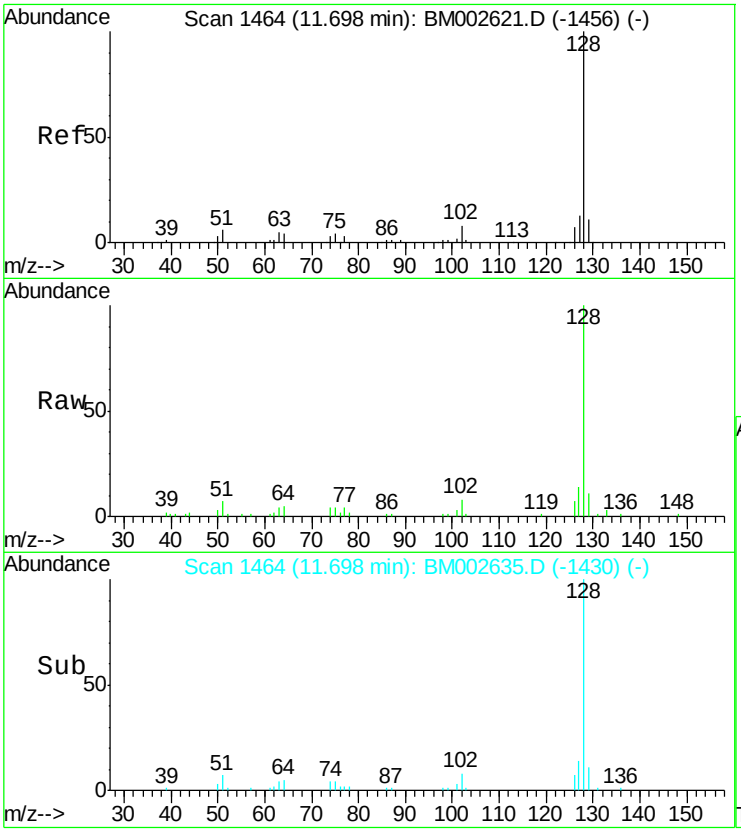
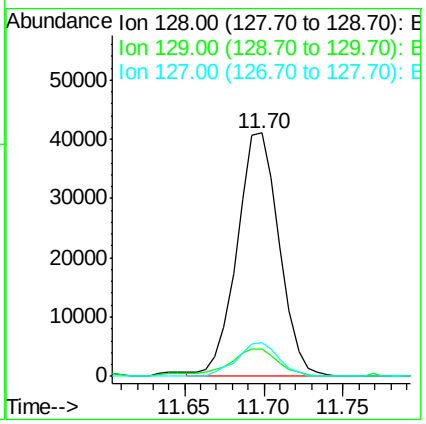




#3
Naphthalene
Concen: 2.37 ng/ul
RT: 11.70 min Scan# 1464
Delta R.T. 0.00 min
Lab File: BM002635.D
Acq: 01 Sep 2015 19:10

Tgt Ion:128 Resp: 76069

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.6	12.8
127	13.6	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
D9EA8

Manual Integrations APPROVED
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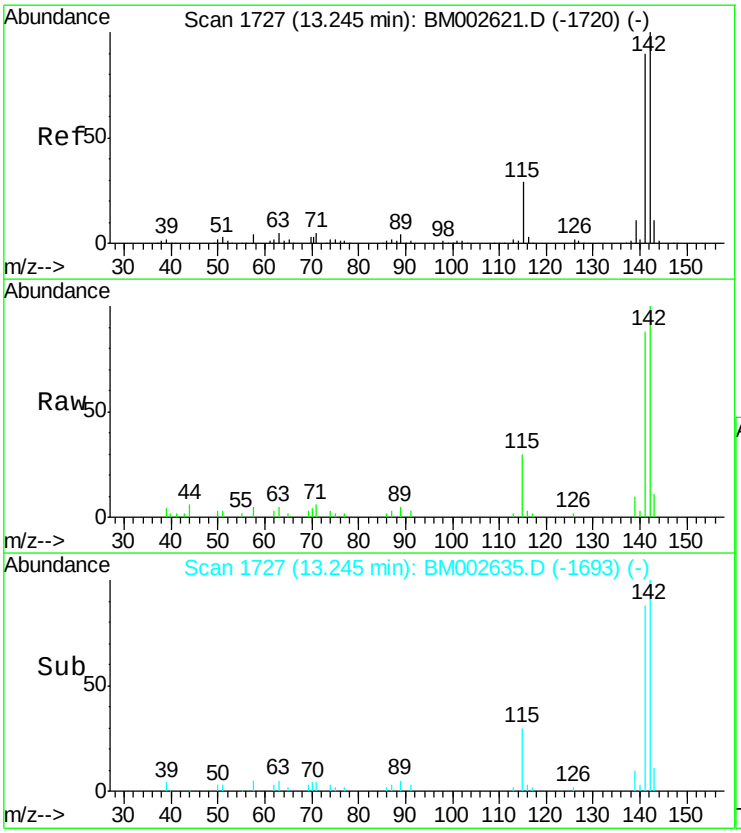
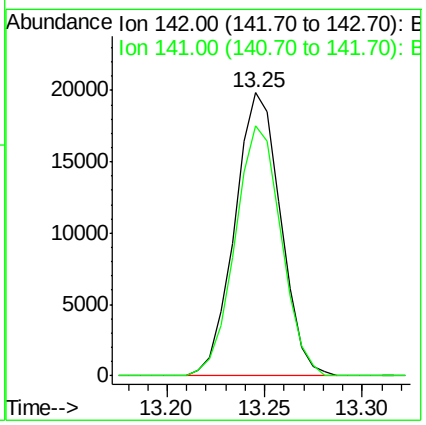
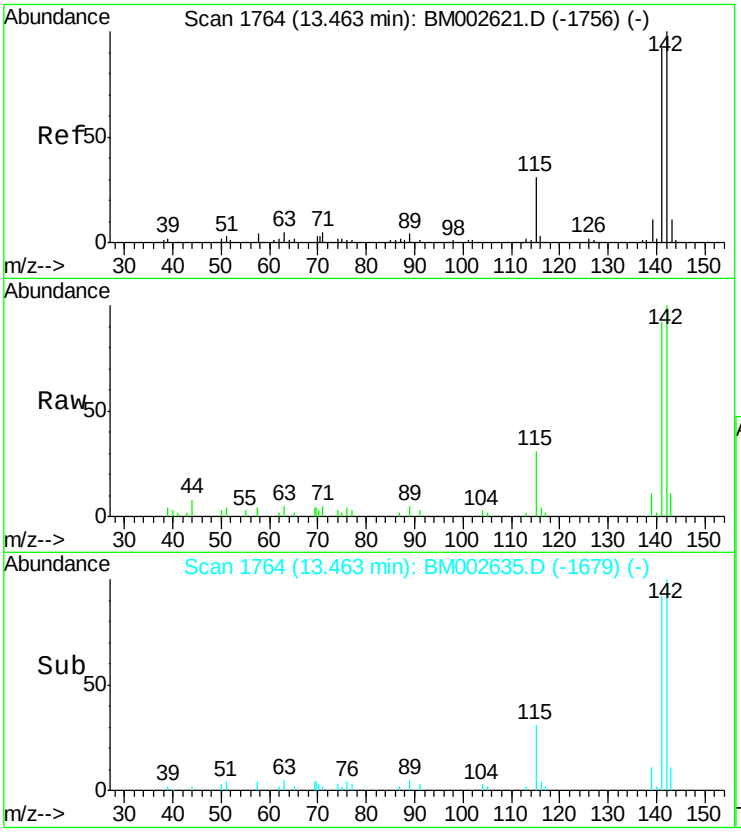


#4
2-Methylnaphthalene
Concen: 1.34 ng/ul
RT: 13.25 min Scan# 1727
Delta R.T. 0.00 min
Lab File: BM002635.D
Acq: 01 Sep 2015 19:10

Tgt Ion:142 Resp: 32352

Ion	Ratio	Lower	Upper
142	100		
141	88.1	72.2	108.2

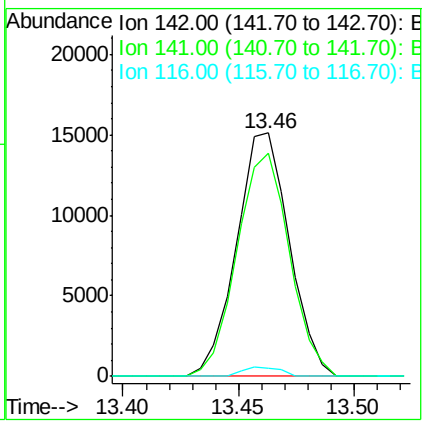




#5
1-Methylnaphthalene
Concen: 1.01 ng/ul
RT: 13.46 min Scan# 1764
Delta R.T. 0.00 min
Lab File: BM002635.D
Acq: 01 Sep 2015 19:10

Tgt Ion:142 Resp: 24143

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.9	110.9
116	3.5	3.0	4.4



Instrument :
BNA_M
ClientSampleId :
D9EA8

Manual Integrations APPROVED
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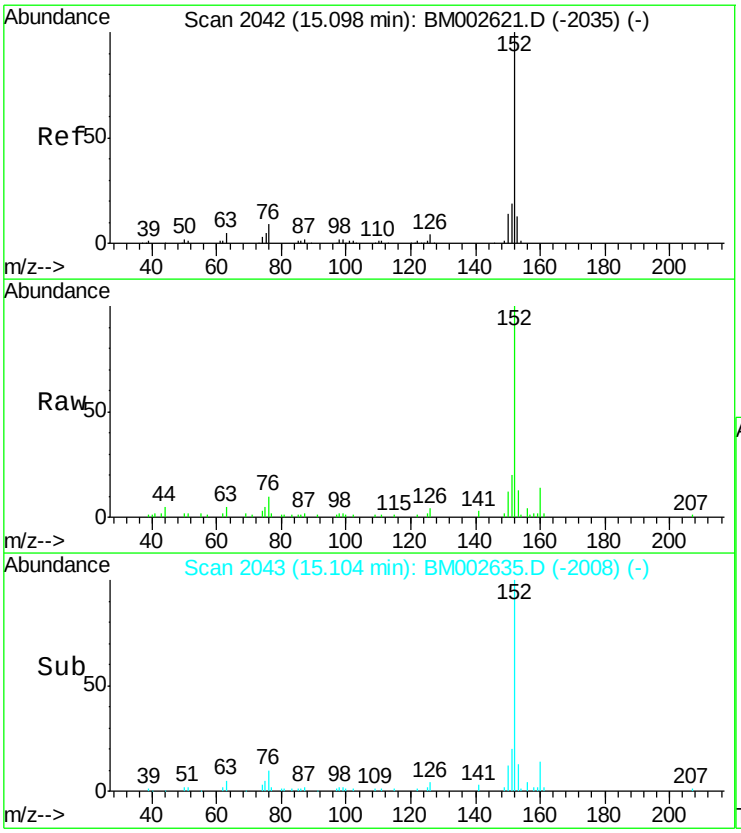
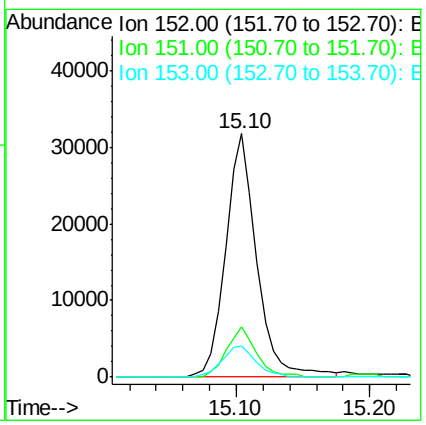
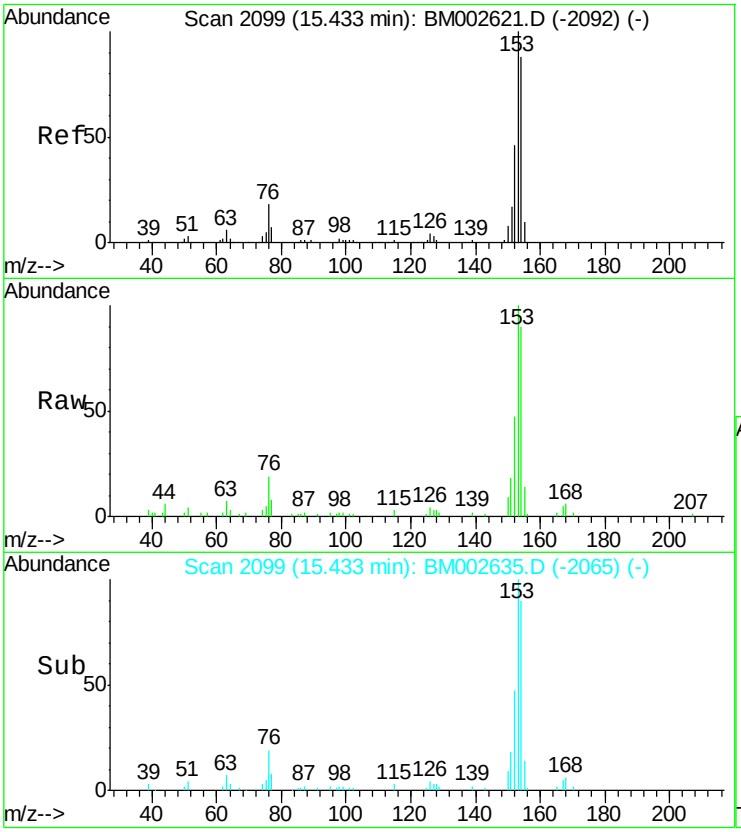


#8
Acenaphthylene
Concen: 1.53 ng/ul
RT: 15.10 min Scan# 2043
Delta R.T. 0.01 min
Lab File: BM002635.D
Acq: 01 Sep 2015 19:10

Tgt Ion:152 Resp: 51533

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.7	23.5
153	12.6	10.2	15.4





#9
Acenaphthene
Concen: 1.72 ng/ul
RT: 15.43 min Scan# 2099
Delta R.T. 0.00 min
Lab File: BM002635.D
Acq: 01 Sep 2015 19:10

Tgt Ion:153 Resp: 38336

Ion	Ratio	Lower	Upper
153	100		
152	46.5	36.9	55.3
154	90.5	71.3	106.9

Instrument :
BNA_M
ClientSampleId :
D9EA8

Manual Integrations APPROVED
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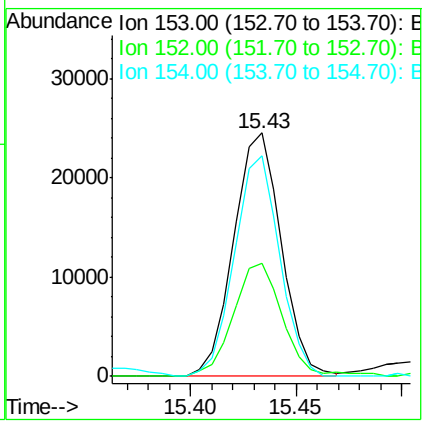
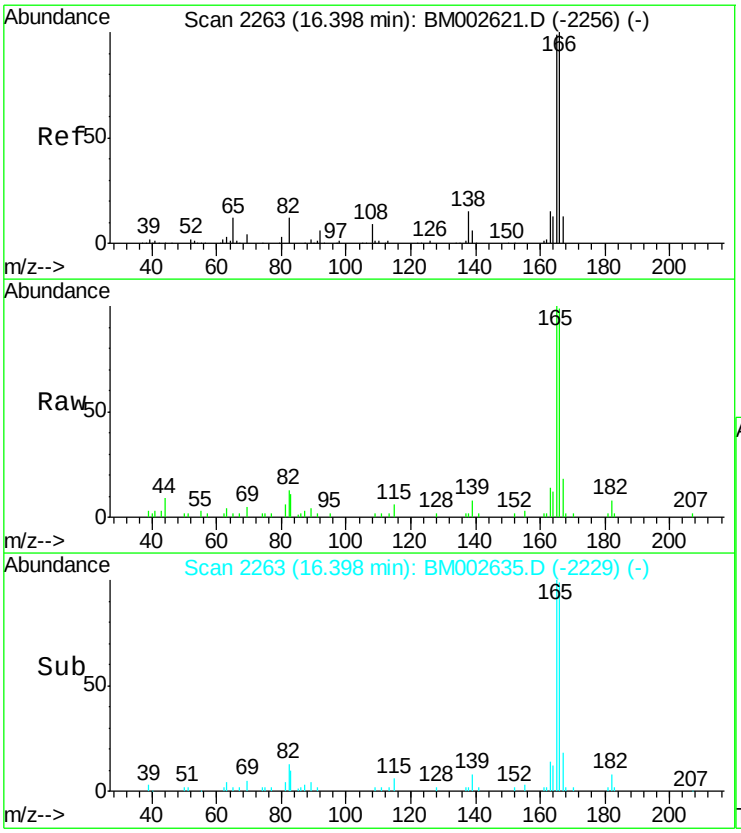
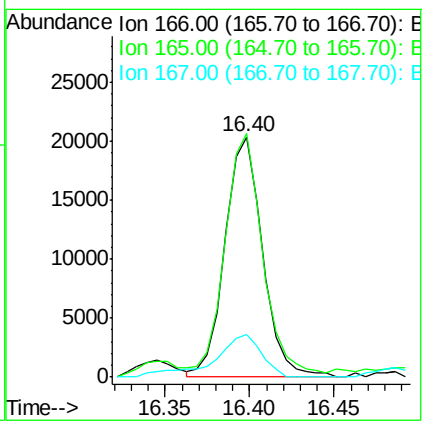


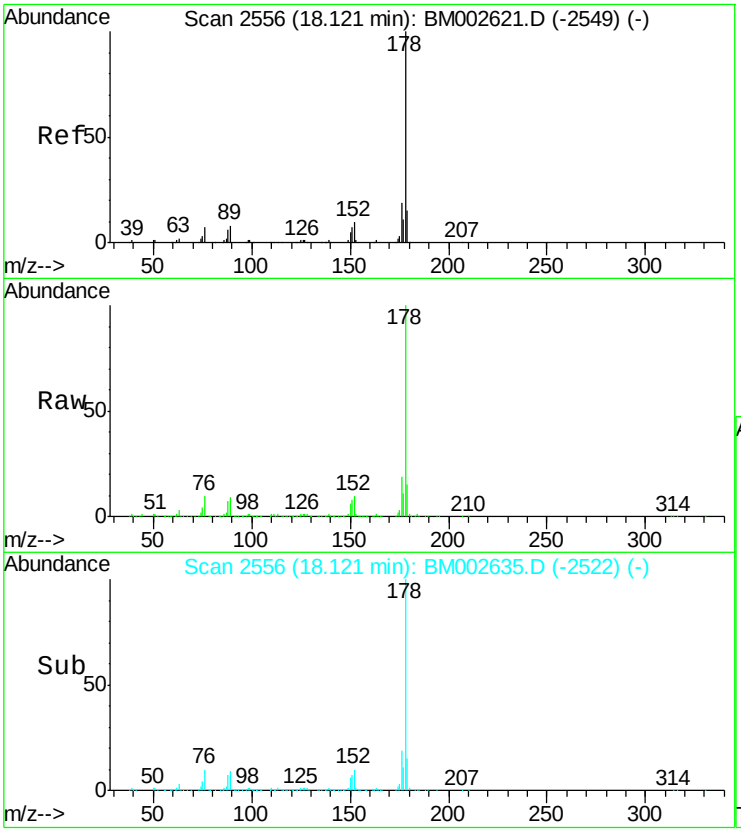


#11
Fluorene
Concen: 1.24 ng/ul
RT: 16.40 min Scan# 2263
Delta R.T. 0.00 min
Lab File: BM002635.D
Acq: 01 Sep 2015 19:10

Tgt Ion:166 Resp: 31600

Ion	Ratio	Lower	Upper
166	100		
165	101.3	77.6	116.4
167	17.8	10.7	16.1#

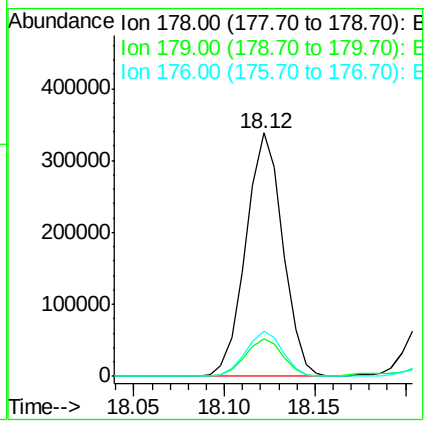




#13
Phenanthrene
Concen: 15.03 ng/ul
RT: 18.12 min Scan# 2556
Delta R.T. 0.00 min
Lab File: BM002635.D
Acq: 01 Sep 2015 19:10

Tgt Ion:178 Resp: 479583

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.4	18.6
176	18.6	15.1	22.7



Instrument :
BNA_M
ClientSampleId :
D9EA8

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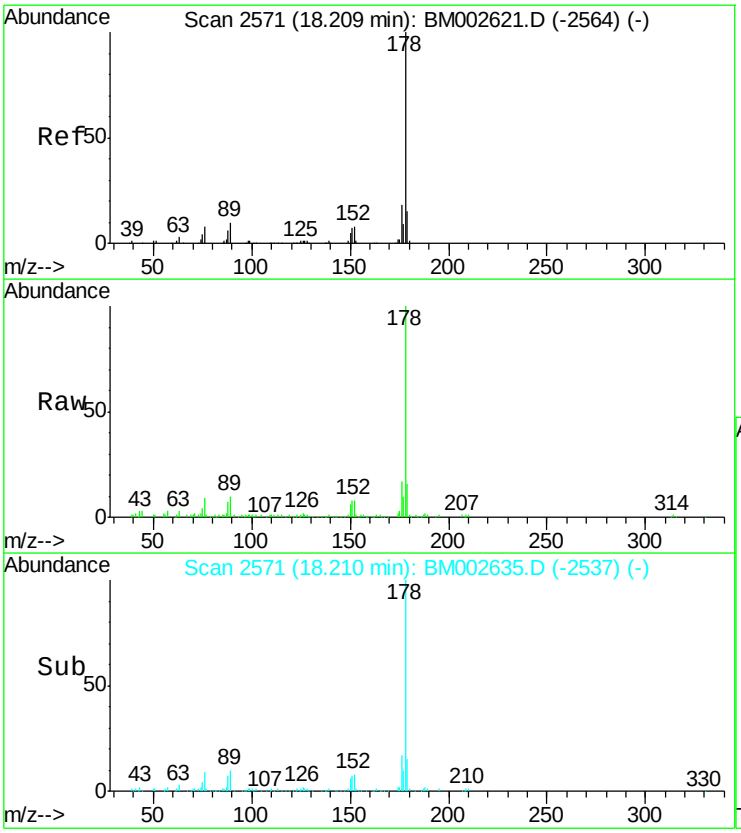
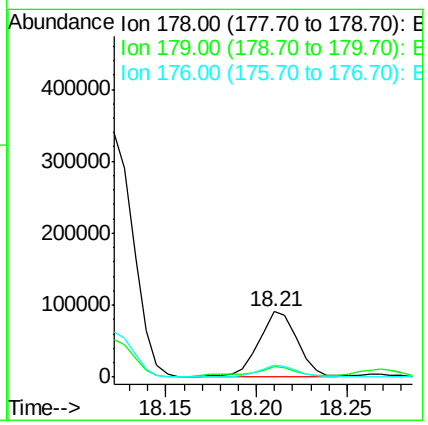
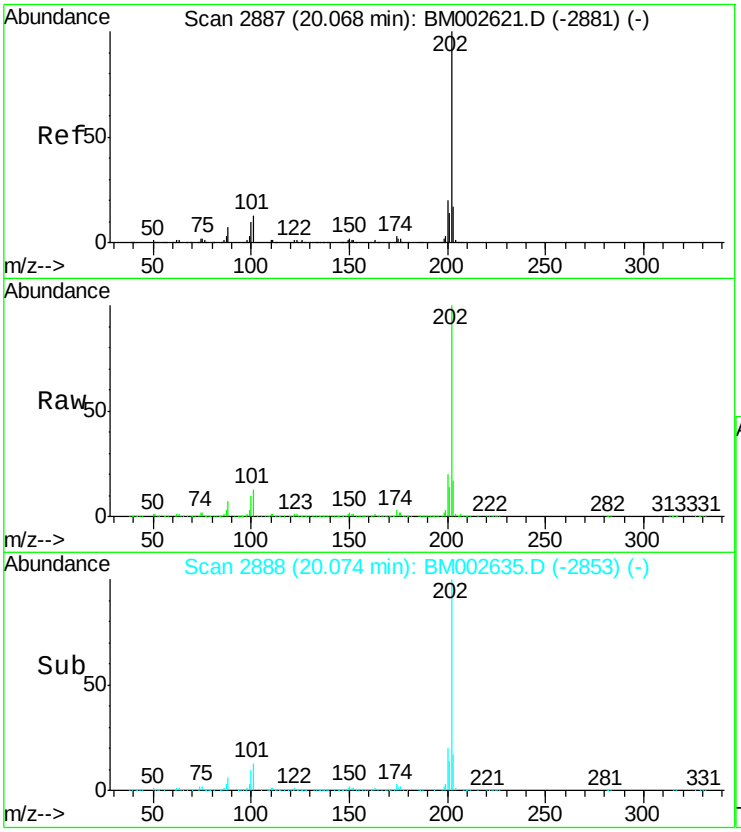


#15
Anthracene
Concen: 4.10 ng/ul
RT: 18.21 min Scan# 2571
Delta R.T. 0.00 min
Lab File: BM002635.D
Acq: 01 Sep 2015 19:10

Tgt Ion:178 Resp: 132518

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.6	18.8
176	17.5	14.5	21.7

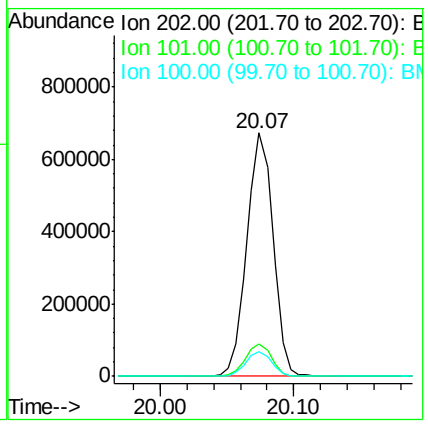




#16
Fluoranthene
Concen: 25.18 ng/ul
RT: 20.07 min Scan# 2888
Delta R.T. 0.01 min
Lab File: BM002635.D
Acq: 01 Sep 2015 19:10

Tgt Ion:202 Resp: 909286

Ion	Ratio	Lower	Upper
202	100		
101	13.4	9.7	14.5
100	10.1	7.4	11.2



Instrument :
BNA_M
ClientSampleId :
D9EA8

Manual Integrations APPROVED
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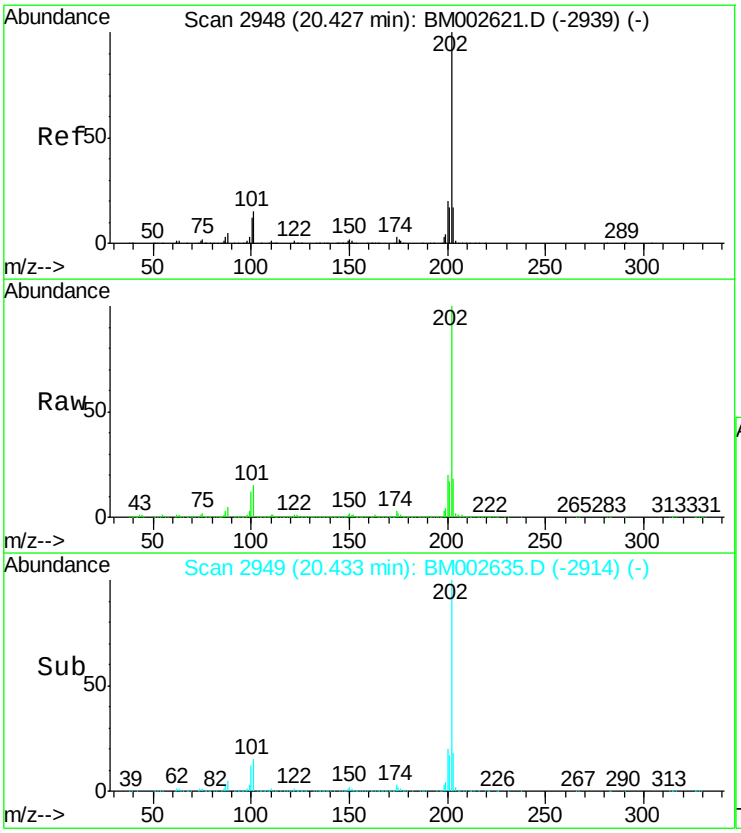
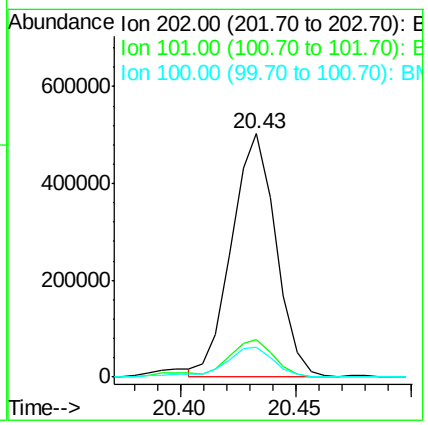
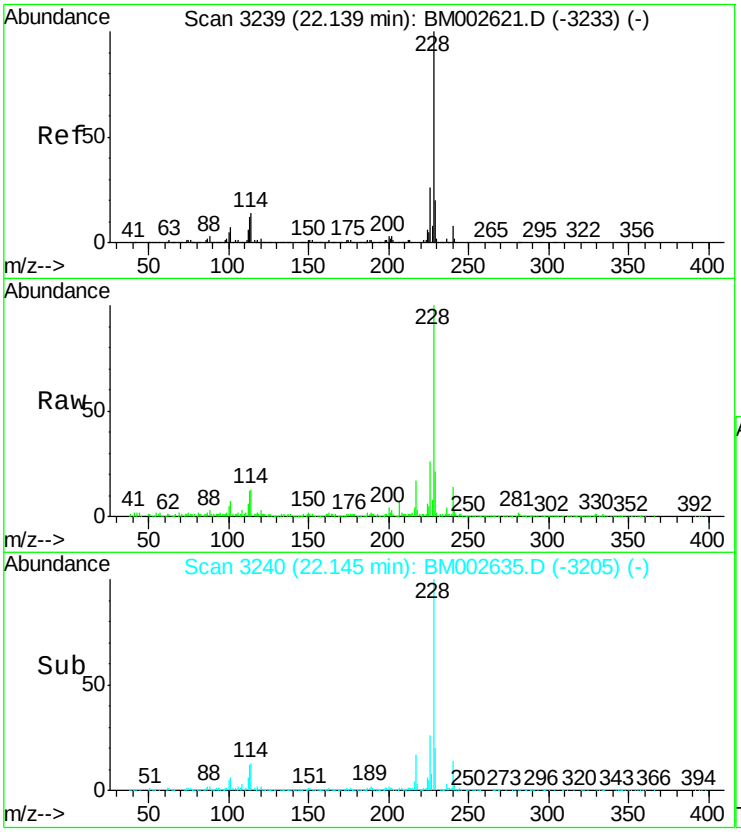


#19
Pyrene
Concen: 27.31 ng/ul
RT: 20.43 min Scan# 2949
Delta R.T. 0.01 min
Lab File: BM002635.D
Acq: 01 Sep 2015 19:10

Tgt Ion:202 Resp: 669148

Ion	Ratio	Lower	Upper
202	100		
101	15.4	12.0	18.0
100	12.2	9.7	14.5

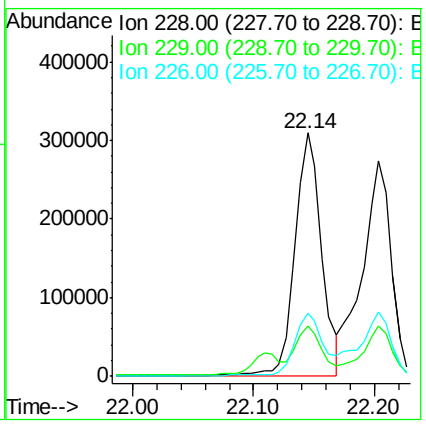




#20
Benzo(a)anthracene
Concen: 18.57 ng/ul
RT: 22.14 min Scan# 3240
Delta R.T. 0.01 min
Lab File: BM002635.D
Acq: 01 Sep 2015 19:10

Tgt Ion:228 Resp: 464587

Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.8	23.6
226	26.0	21.1	31.7



Instrument :
BNA_M
ClientSampleId :
D9EA8

Manual Integrations APPROVED
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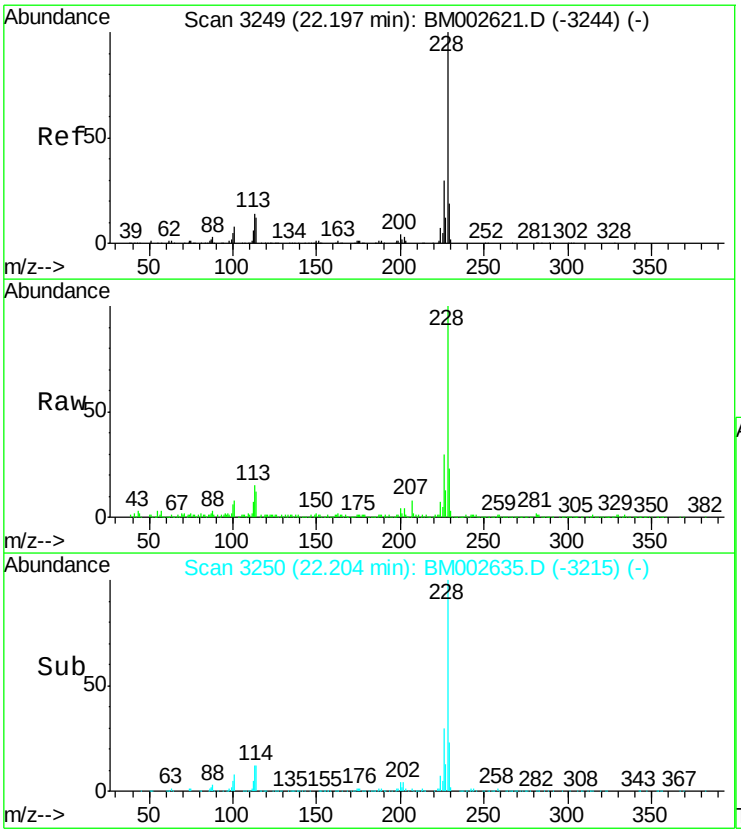
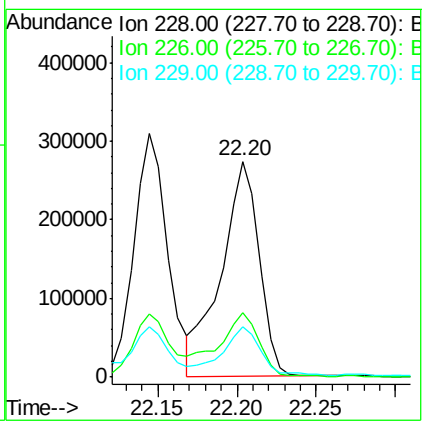
9/2/2015 1:36:15 PM

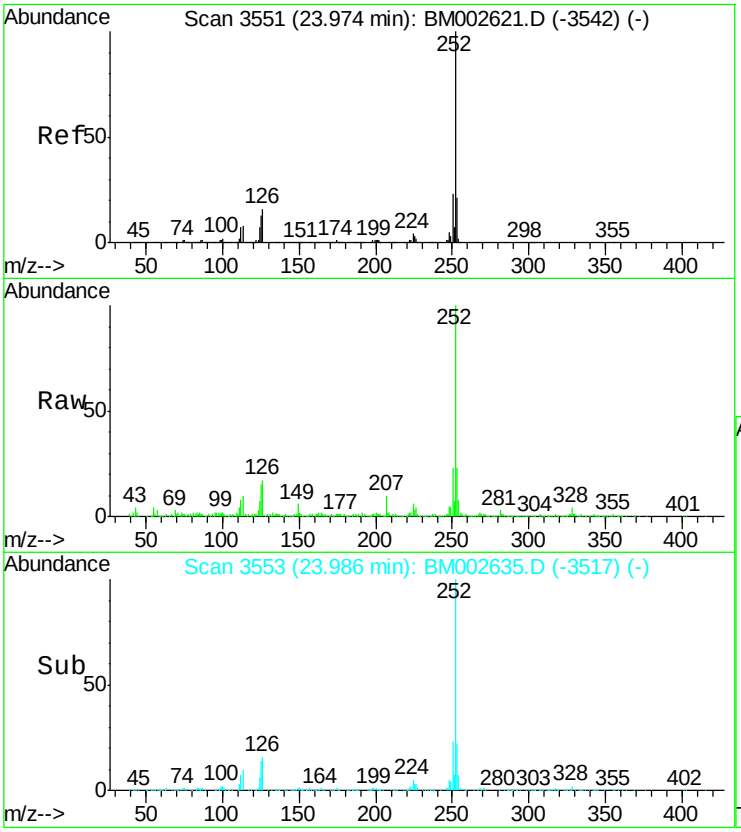


#21
Chrysene
Concen: 19.48 ng/ul
RT: 22.20 min Scan# 3250
Delta R.T. 0.01 min
Lab File: BM002635.D
Acq: 01 Sep 2015 19:10

Tgt Ion:228 Resp: 455648

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.4	35.2
229	23.1	15.7	23.5

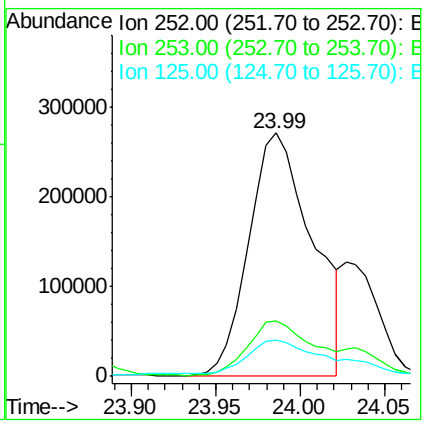




#23
Benzo(b)fluoranthene
Concen: 29.24 ng/ul
RT: 23.99 min Scan# 3553
Delta R.T. 0.01 min
Lab File: BM002635.D
Acq: 01 Sep 2015 19:10

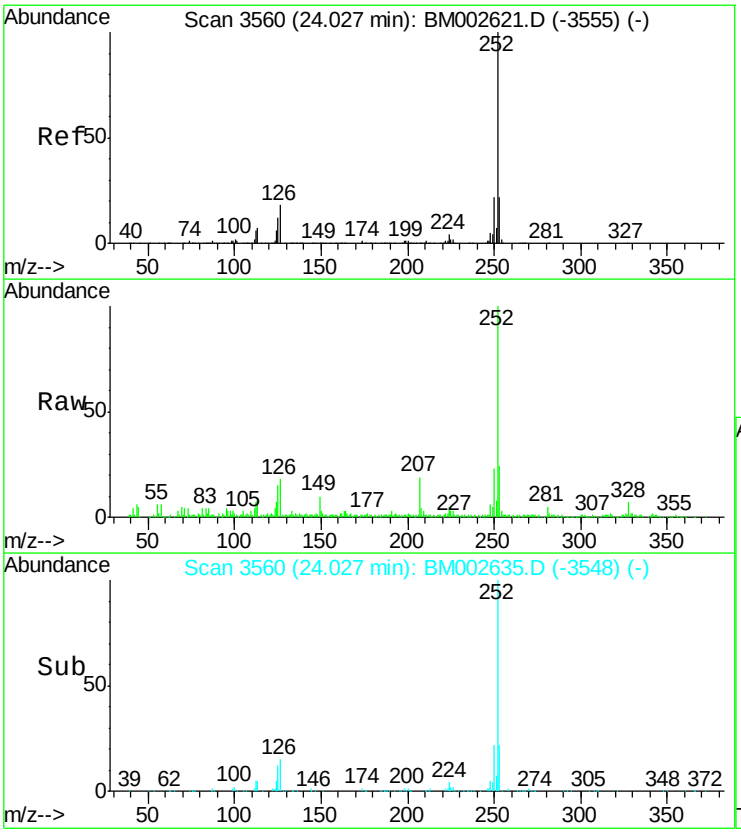
Tgt Ion:252 Resp: 707593

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	14.8	10.0	15.0



Instrument :
BNA_M
ClientSampleId :
D9EA8

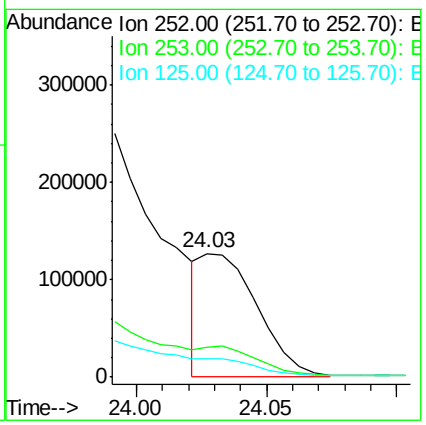
Manual Integrations APPROVED
MMDadoda
9/2/2015 1:36:15 PM

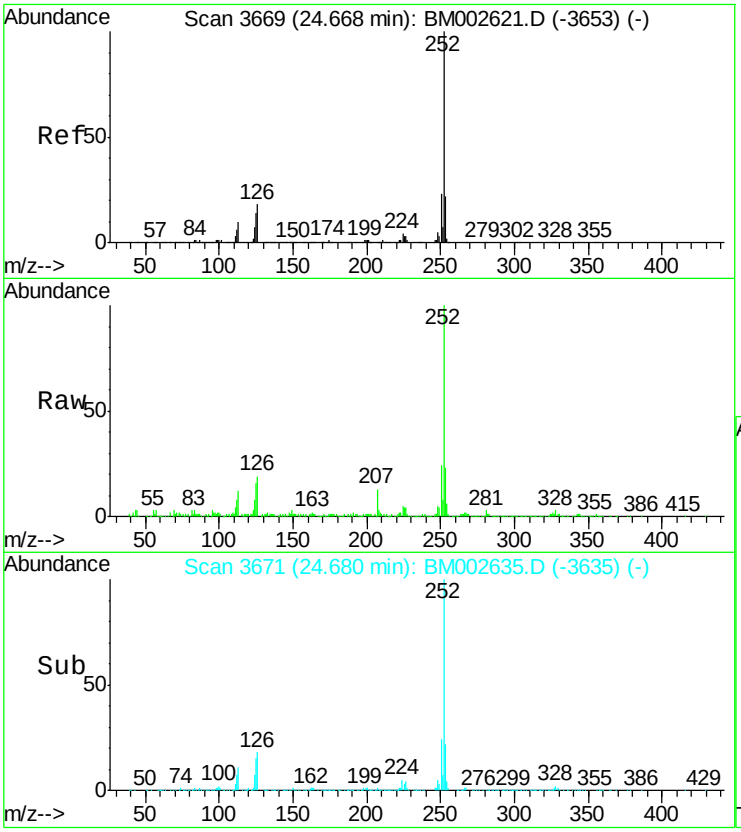


#24
Benzo(k)fluoranthene
Concen: 8.27 ng/ul m
RT: 24.03 min Scan# 3560
Delta R.T. 0.00 min
Lab File: BM002635.D
Acq: 01 Sep 2015 19:10

Tgt Ion:252 Resp: 189635

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	15.2	9.8	14.8#

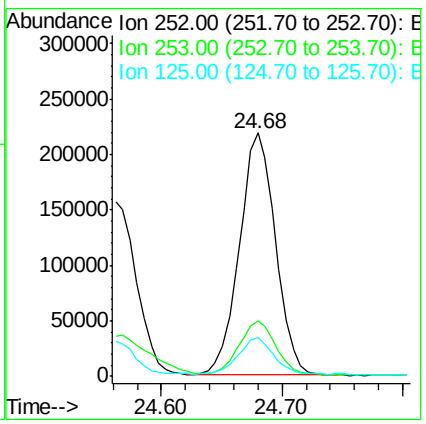




#26
Benzo(a)pyrene
Concen: 19.70 ng/ul
RT: 24.68 min Scan# 3671
Delta R.T. 0.01 min
Lab File: BM002635.D
Acq: 01 Sep 2015 19:10

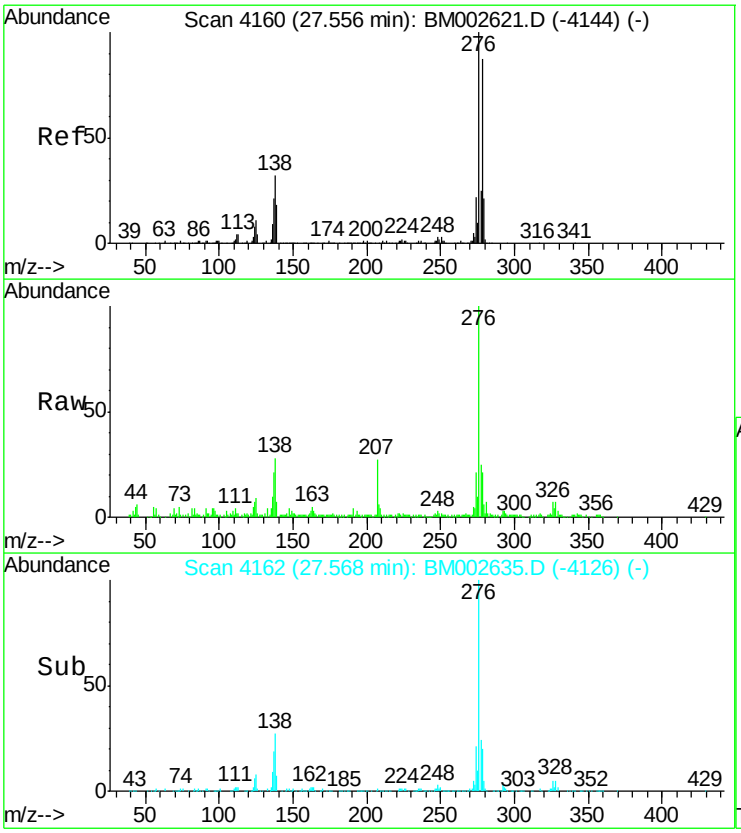
Tgt Ion:252 Resp: 455415

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	15.7	10.7	16.1



Instrument :
BNA_M
ClientSampleId :
D9EA8

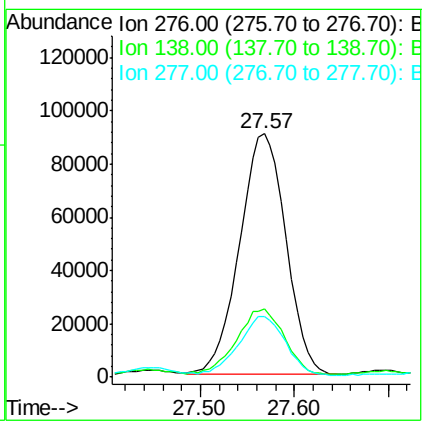
Manual Integrations APPROVED
MMDadoda
9/2/2015 1:36:15 PM

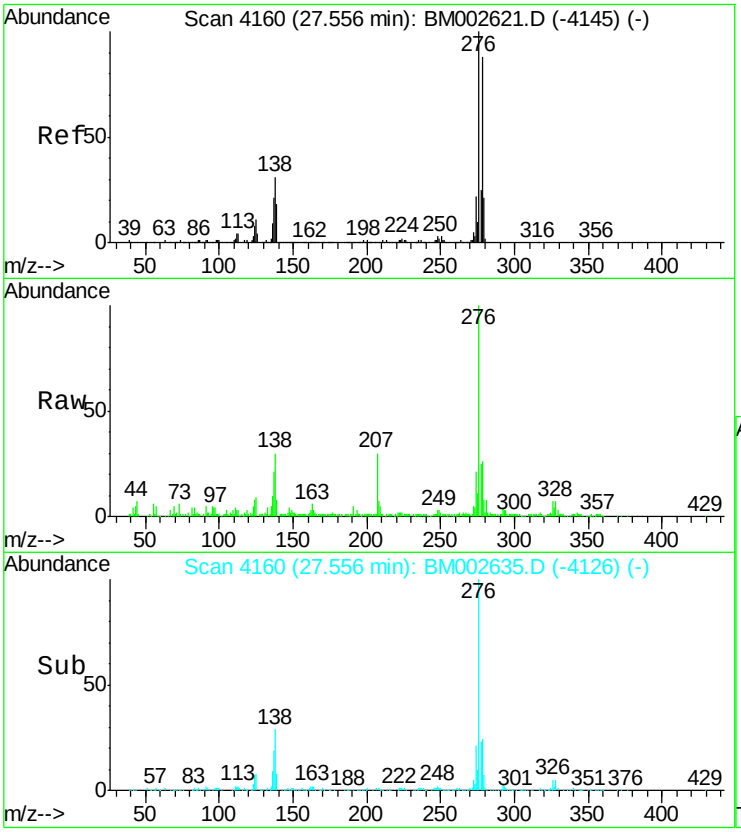


#27
Indeno(1,2,3-cd)pyrene
Concen: 11.58 ng/ul
RT: 27.57 min Scan# 4162
Delta R.T. 0.01 min
Lab File: BM002635.D
Acq: 01 Sep 2015 19:10

Tgt Ion:276 Resp: 307762

Ion	Ratio	Lower	Upper
276	100		
138	28.0	25.3	37.9
277	24.8	20.2	30.2





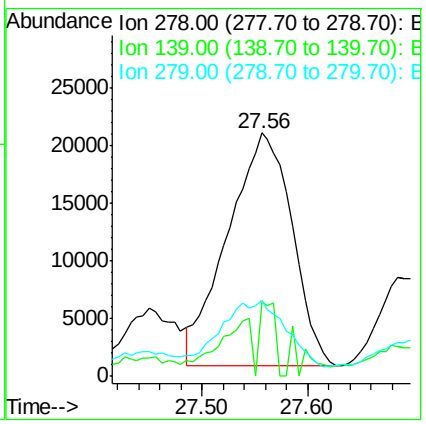
#28
Dibenzo(a,h)anthracene
Concen: 3.83 ng/ul
RT: 27.56 min Scan# 4160
Delta R.T. 0.00 min
Lab File: BM002635.D
Acq: 01 Sep 2015 19:10

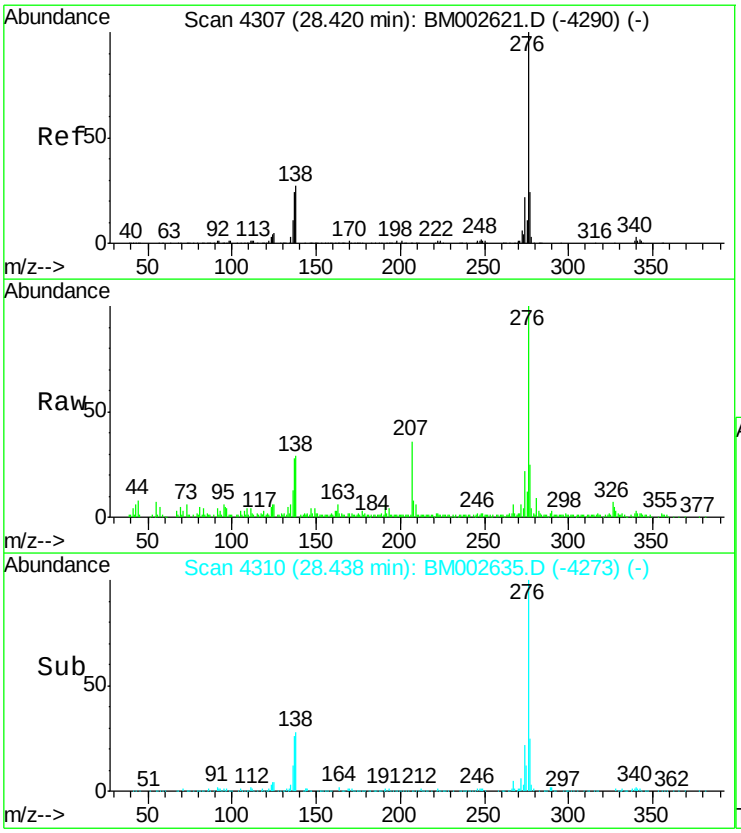
Tgt Ion:278 Resp: 85174

Ion	Ratio	Lower	Upper
278	100		
139	30.8	16.5	24.7#
279	31.2	18.8	28.2#

Instrument :
BNA_M
ClientSampleId :
D9EA8

Manual Integrations APPROVED
MMDadoda
9/2/2015 1:36:15 PM





#29
Benzo(g,h,i)perylene
Concen: 12.46 ng/ul
RT: 28.44 min Scan# 4310
Delta R.T. 0.02 min
Lab File: BM002635.D
Acq: 01 Sep 2015 19:10

Tgt Ion:276 Resp: 275628

Ion	Ratio	Lower	Upper
276	100		
138	28.9	21.0	31.6
277	25.4	19.2	28.8