Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM010715\
Data File : BM000141.D
Acq On : 07 Jan 2015 23:32
Operator : TP/IZ
Sample : MDL-06-S
Misc : MDL-SOIL-0.07PPM-SIM
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-06-S

Manual Integrations APPROVED
TEJASKUMAR
1/9/2015 5:45:01 PM

Quant Time: Jan 08 12:10:23 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM010715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 08 10:41:47 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	2976	0.40	ng/ul	0.00
2) Naphthalene-d8	10.64	136	9618	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	5388	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.23	188	10891	0.40	ng/ul	0.02
16) Chrysene-d12	21.41	240	9170	0.40	ng/ul	0.00
20) Perylene-d12	23.70	264	8260	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	4797	0.37	ng/ul	0.00
14) Fluoranthene-d10	19.25	212	8647	0.37	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.67	128	1257	0.05	ng/ul#	85
5) 2-Methylnaphthalene	12.29	142	825	0.05	ng/ul	100
7) Acenaphthylene	14.20	152	1307	0.05	ng/ul#	84
8) Acenaphthene	14.54	153	843	0.05	ng/ul	94
9) Fluorene	15.54	166	954	0.05	ng/ul#	94
11) Pentachlorophenol	16.92	266	6	0.00	ng/ul#	1
12) Phenanthrene	17.26	178	1554	0.05	ng/ul#	83
13) Anthracene	17.35	178	1510	0.05	ng/ul#	82
15) Fluoranthene	19.28	202	1912	0.05	ng/ul	88
17) Pyrene	19.65	202	1952	0.05	ng/ul#	91
18) Benzo(a)anthracene	21.39	228	1503	0.05	ng/ul	93
19) Chrysene	21.44	228	1730m	0.05	ng/ul	
21) Benzo(b)fluoranthene	23.00	252	1577	0.05	ng/ul#	62
22) Benzo(k)fluoranthene	23.05	252	1499	0.05	ng/ul#	63
23) Benzo(a)pyrene	23.60	252	1359	0.05	ng/ul#	48
24) Indeno(1,2,3-cd)pyrene	26.05	276	1636	0.05	ng/ul	99
25) Dibenzo(a,h)anthracene	26.07	278	1279	0.05	ng/ul#	49
26) Benzo(g,h,i)perylene	26.74	276	1490	0.05	ng/ul#	72

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM010715\
Data File : BM000141.D
Acq On : 07 Jan 2015 23:32
Operator : TP/IZ
Sample : MDL-06-S
Misc : MDL-SOIL-0.07PPM-SIM
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jan 08 12:10:23 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM010715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 08 10:41:47 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
MDL-06-S

Manual Integrations APPROVED
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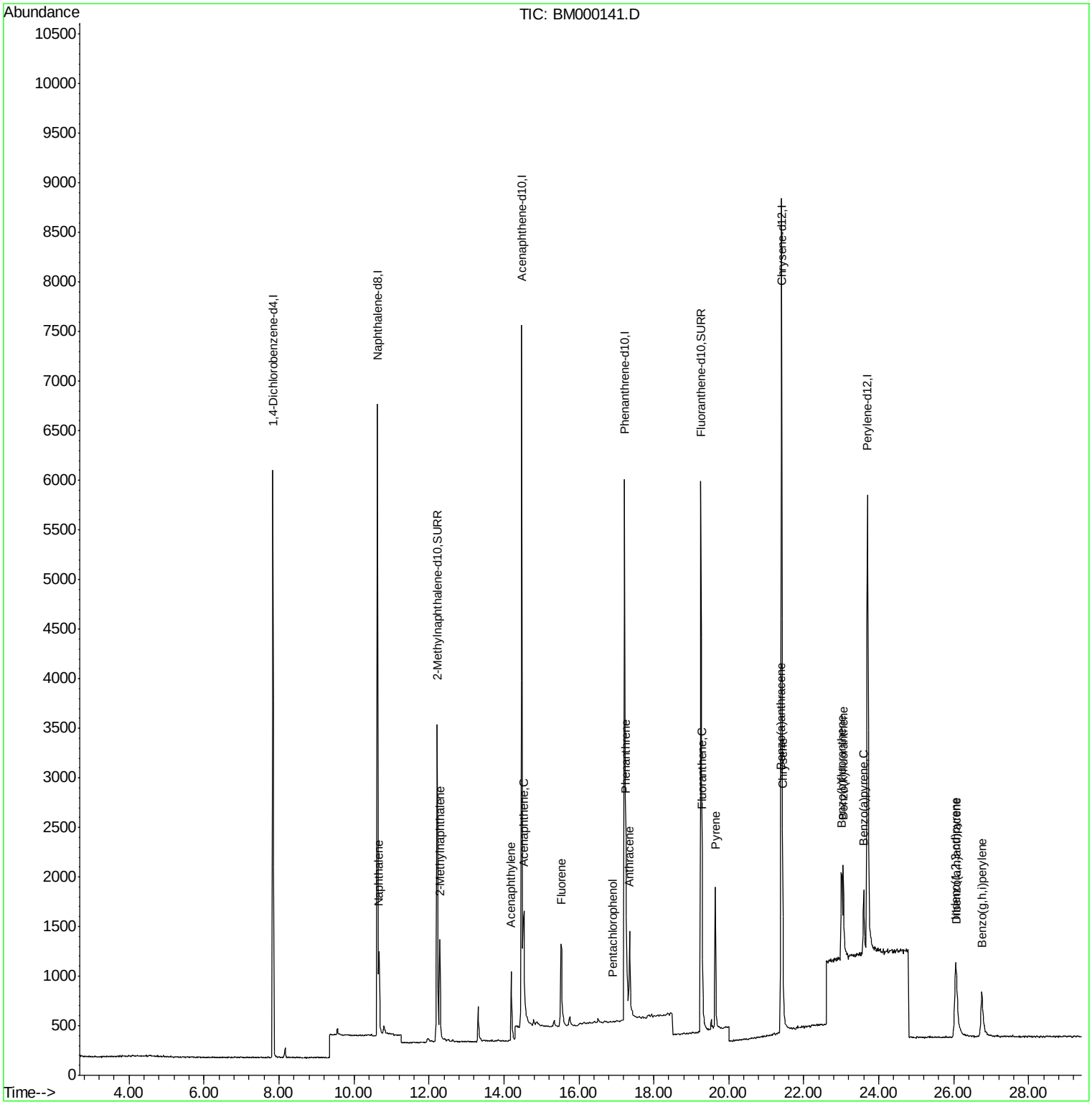

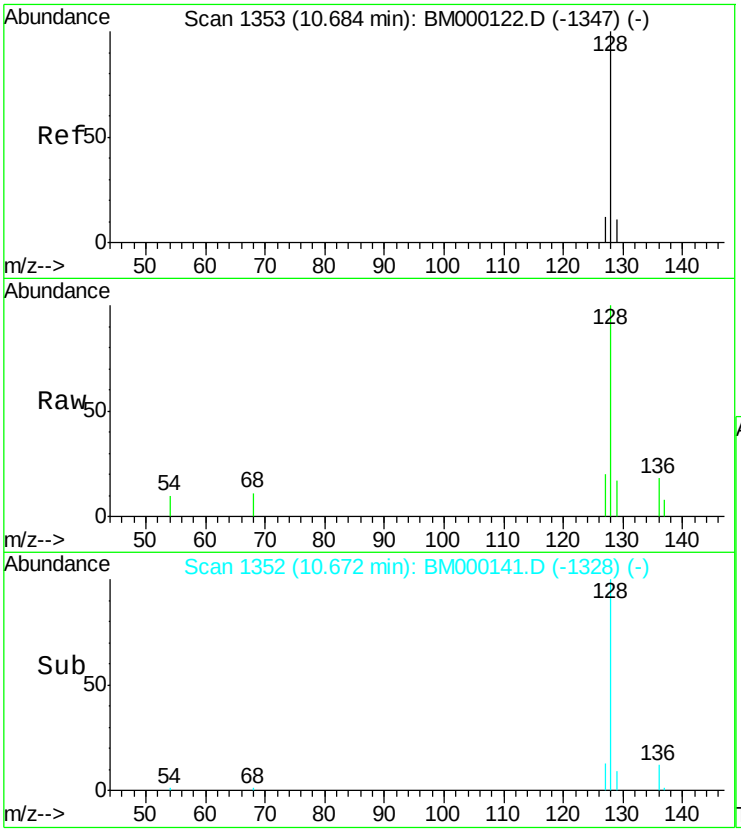

#3
Naphthalene
Concen: 0.05 ng/ul
RT: 10.67 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BM000141.D
Acq: 07 Jan 2015 23:32

Tgt Ion:128 Resp: 1257

Ion	Ratio	Lower	Upper
128	100		
129	16.5	9.5	14.3#
127	19.8	10.4	15.6#

Instrument :
BNA_M
ClientSampleId :
MDL-06-S

Manual Integrations APPROVED
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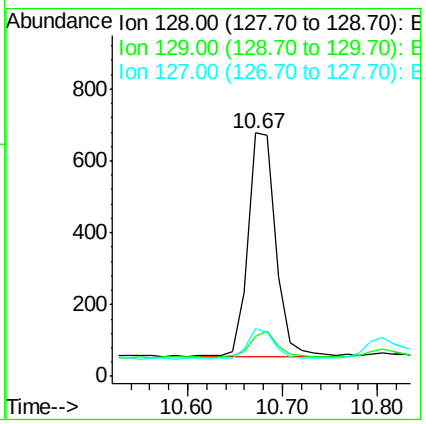
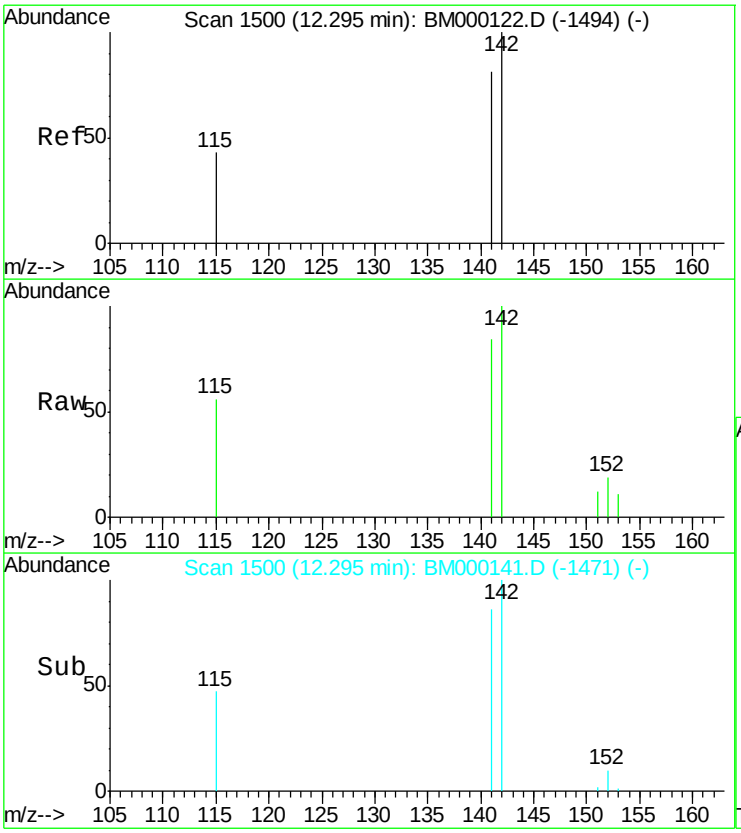
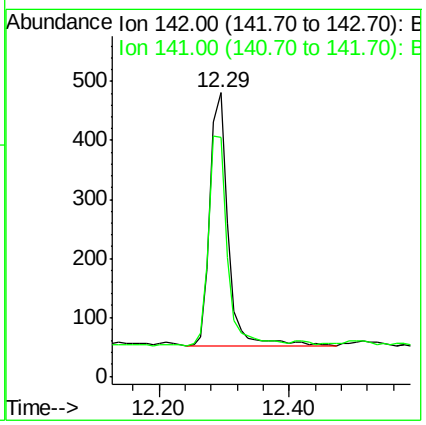


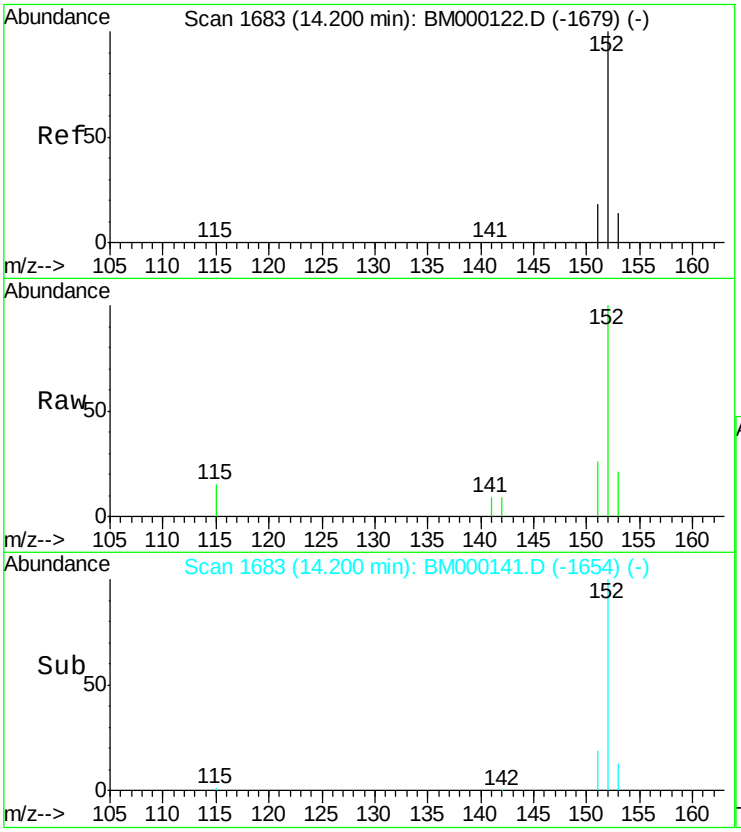


#5
2-Methylnaphthalene
Concen: 0.05 ng/ul
RT: 12.29 min Scan# 1500
Delta R.T. -0.00 min
Lab File: BM000141.D
Acq: 07 Jan 2015 23:32

Tgt Ion:142 Resp: 825

Ion	Ratio	Lower	Upper
142	100		
141	86.5	68.9	103.3





#7
Acenaphthylene
Concen: 0.05 ng/ul
RT: 14.20 min Scan# 1683
Delta R.T. -0.00 min
Lab File: BM000141.D
Acq: 07 Jan 2015 23:32

Tgt Ion:152 Resp: 1307

Ion	Ratio	Lower	Upper
152	100		
151	25.9	15.4	23.2#
153	21.1	11.0	16.4#

Instrument :
BNA_M
ClientSampleId :
MDL-06-S

Manual Integrations APPROVED
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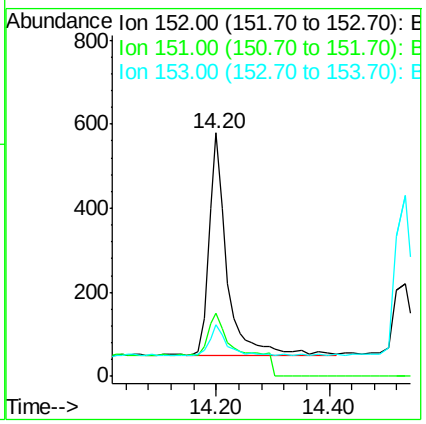
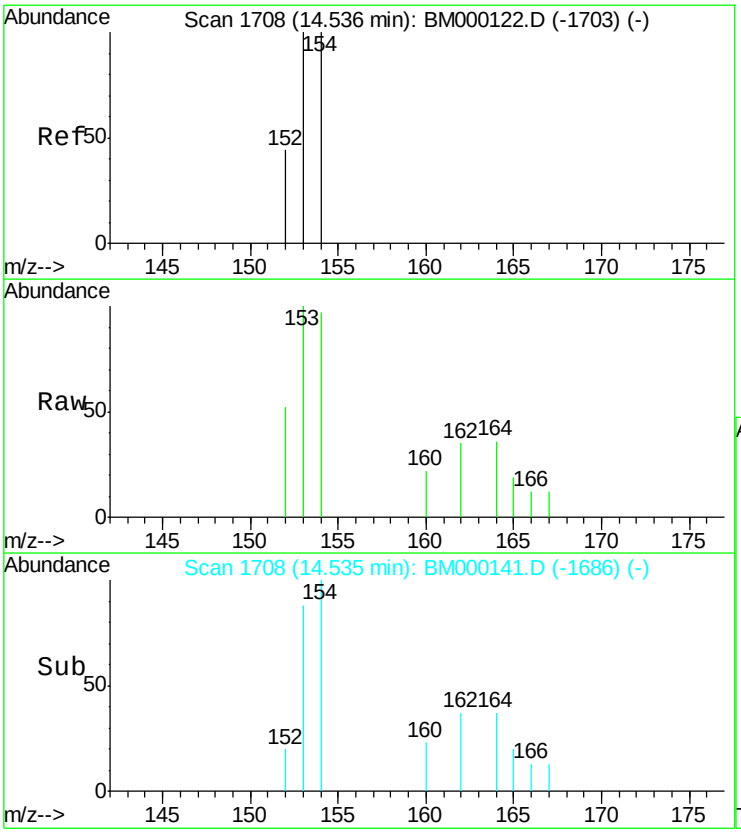
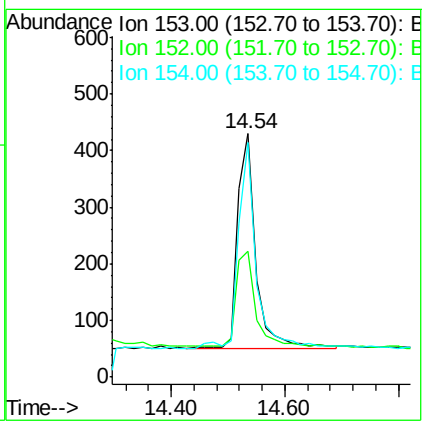


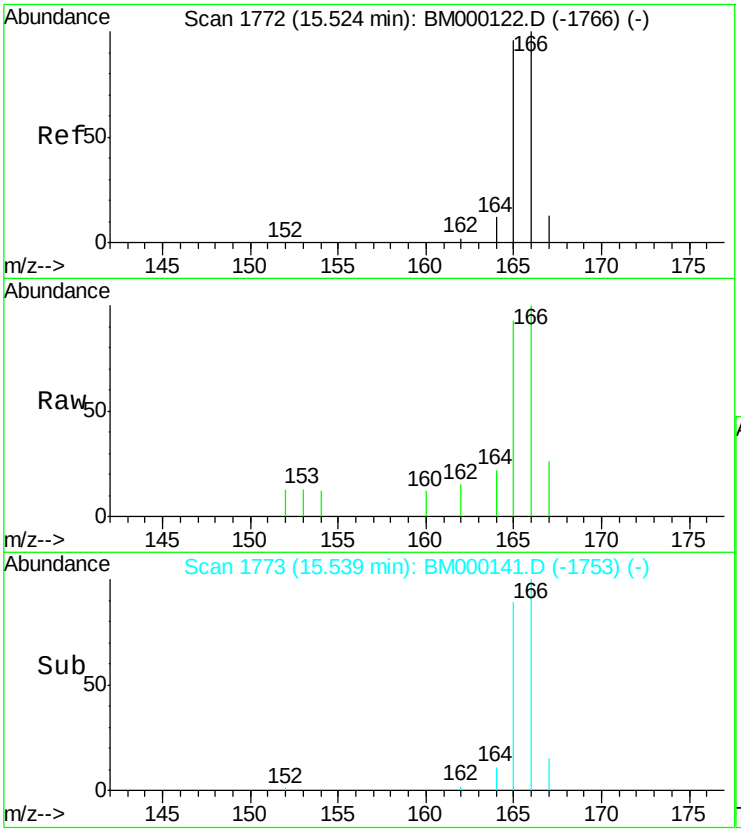


#8
Acenaphthene
Concen: 0.05 ng/ul
RT: 14.54 min Scan# 1708
Delta R.T. -0.00 min
Lab File: BM000141.D
Acq: 07 Jan 2015 23:32

Tgt Ion:153 Resp: 843

Ion	Ratio	Lower	Upper
153	100		
152	51.6	35.8	53.6
154	96.5	79.9	119.9





#9
Fluorene
Concen: 0.05 ng/ul
RT: 15.54 min Scan# 1773
Delta R.T. 0.02 min
Lab File: BM000141.D
Acq: 07 Jan 2015 23:32

Tgt Ion:166 Resp: 954

Ion	Ratio	Lower	Upper
166	100		
165	93.5	77.0	115.4
167	26.3	11.0	16.6#

Instrument :
BNA_M
ClientSampleId :
MDL-06-S

Manual Integrations APPROVED
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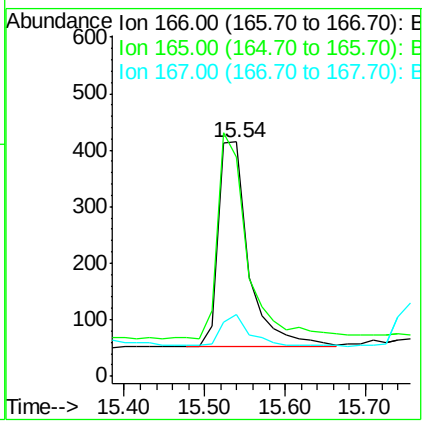
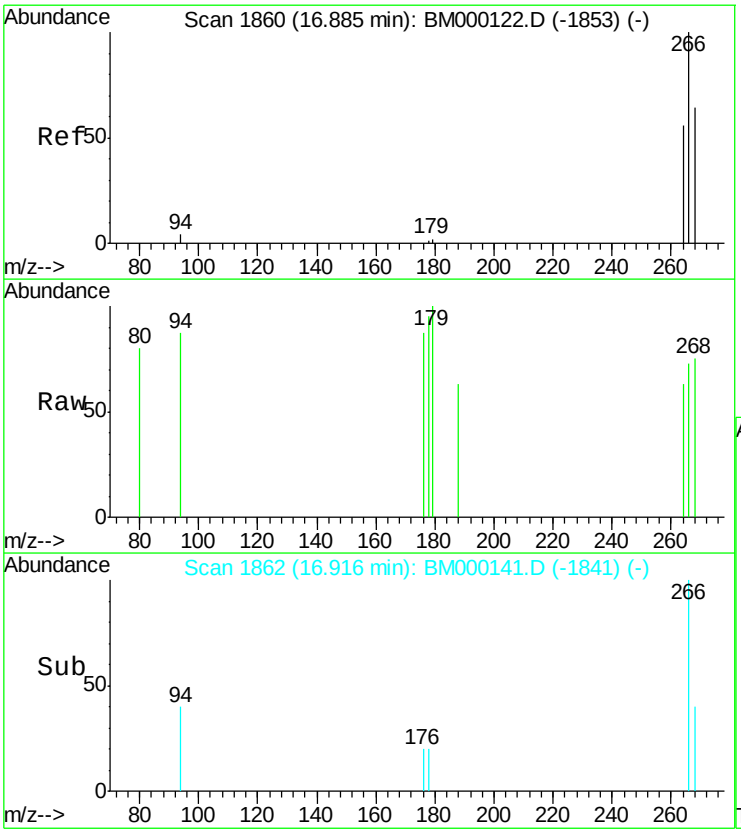
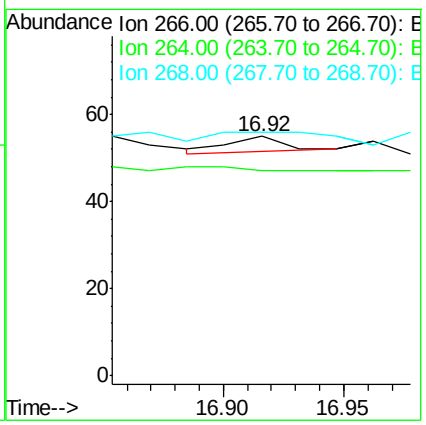


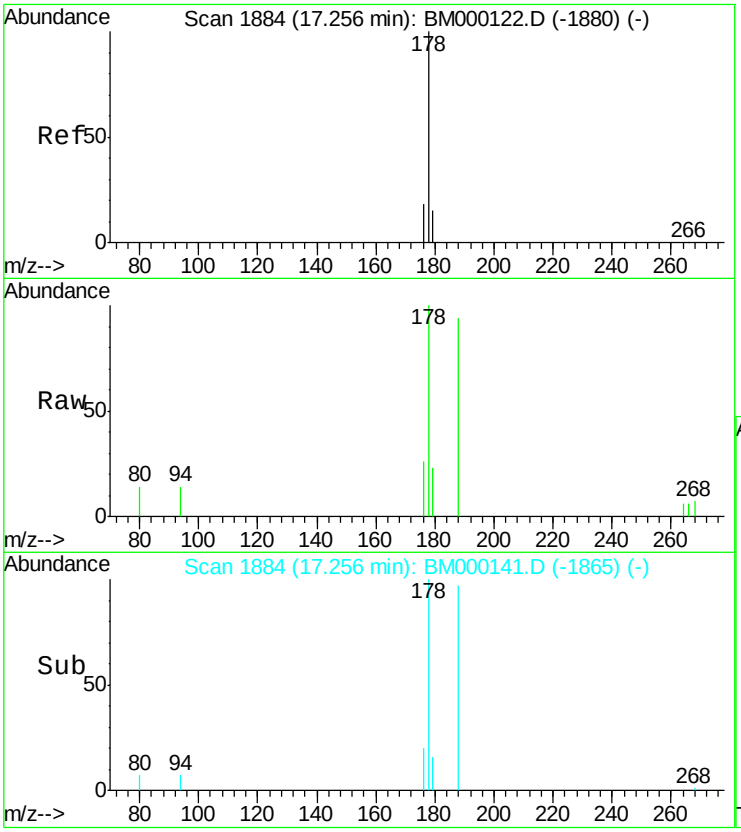


#11
Pentachlorophenol
Concen: 0.00 ng/ul
RT: 16.92 min Scan# 1862
Delta R.T. 0.03 min
Lab File: BM000141.D
Acq: 07 Jan 2015 23:32

Tgt Ion:266 Resp: 6

Ion	Ratio	Lower	Upper
266	100		
264	0.0	53.9	80.9#
268	166.7	49.2	73.8#





#12
Phenanthrene
Concen: 0.05 ng/ul
RT: 17.26 min Scan# 1884
Delta R.T. -0.00 min
Lab File: BM000141.D
Acq: 07 Jan 2015 23:32

Tgt Ion:178 Resp: 1554

Ion	Ratio	Lower	Upper
178	100		
176	26.3	15.1	22.7#
179	23.4	13.0	19.4#

Instrument :
BNA_M
ClientSampleId :
MDL-06-S

Manual Integrations APPROVED
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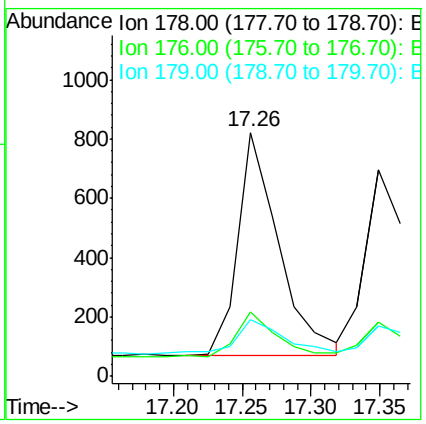
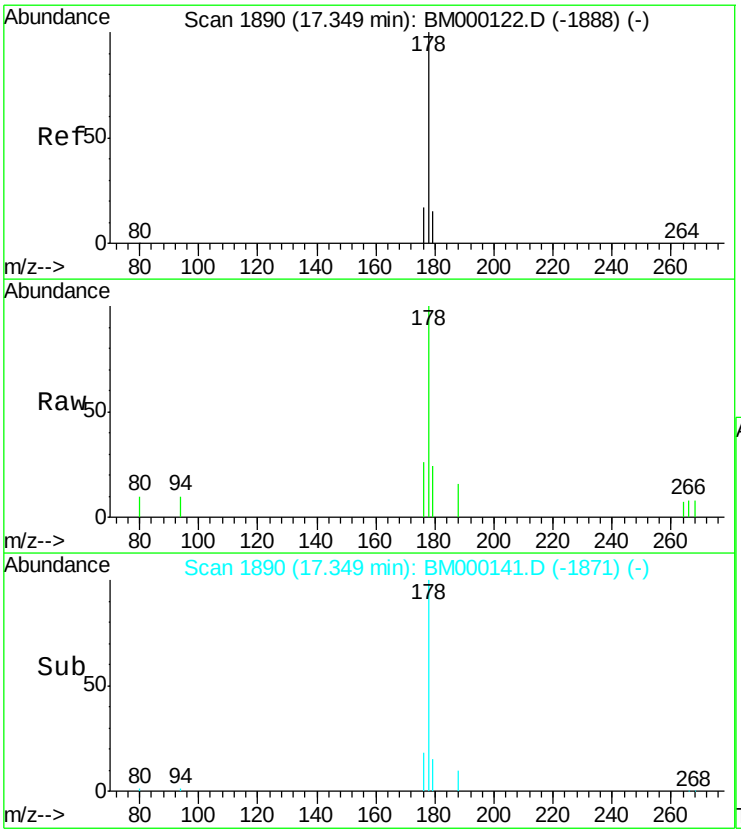
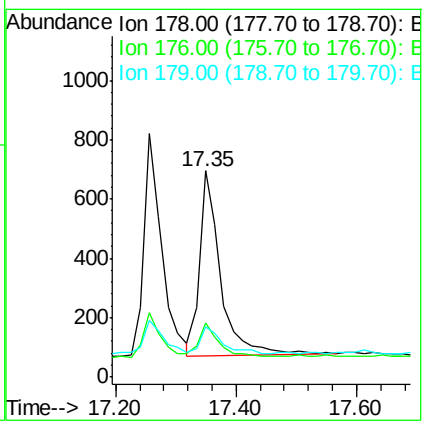


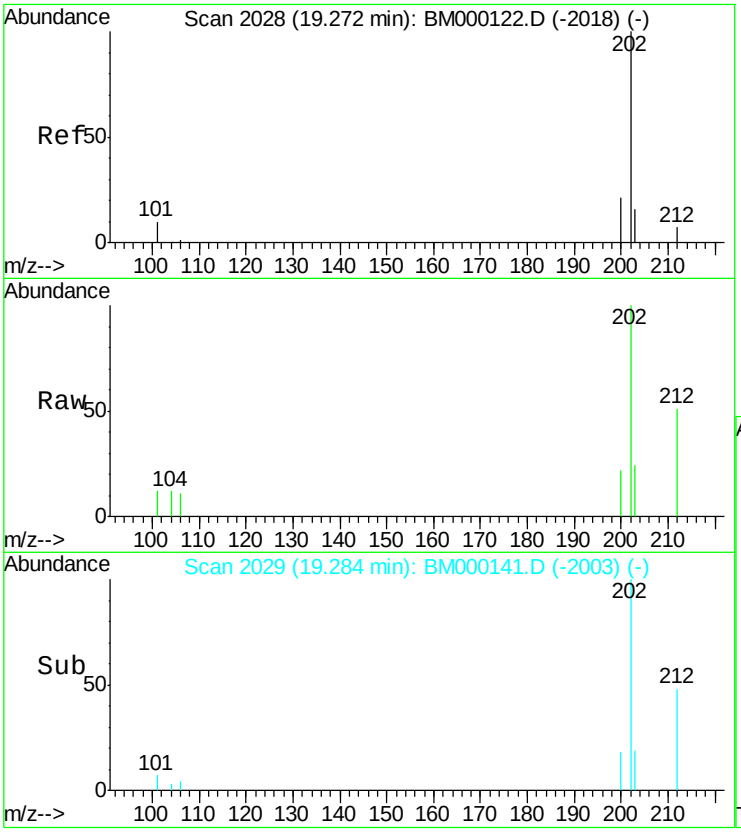


#13
Anthracene
Concen: 0.05 ng/ul
RT: 17.35 min Scan# 1890
Delta R.T. -0.00 min
Lab File: BM000141.D
Acq: 07 Jan 2015 23:32

Tgt Ion:178 Resp: 1510

Ion	Ratio	Lower	Upper
178	100		
176	26.1	14.6	21.8#
179	24.4	13.1	19.7#

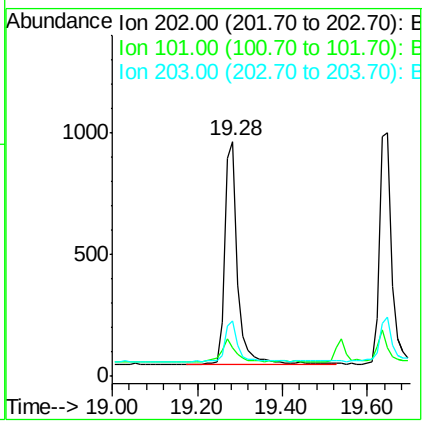




#15
Fluoranthene
Concen: 0.05 ng/ul
RT: 19.28 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BM000141.D
Acq: 07 Jan 2015 23:32

Tgt Ion:202 Resp: 1912

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	30.5
203	23.6	0.0	36.6



Instrument :
BNA_M
ClientSampleId :
MDL-06-S

Manual Integrations APPROVED
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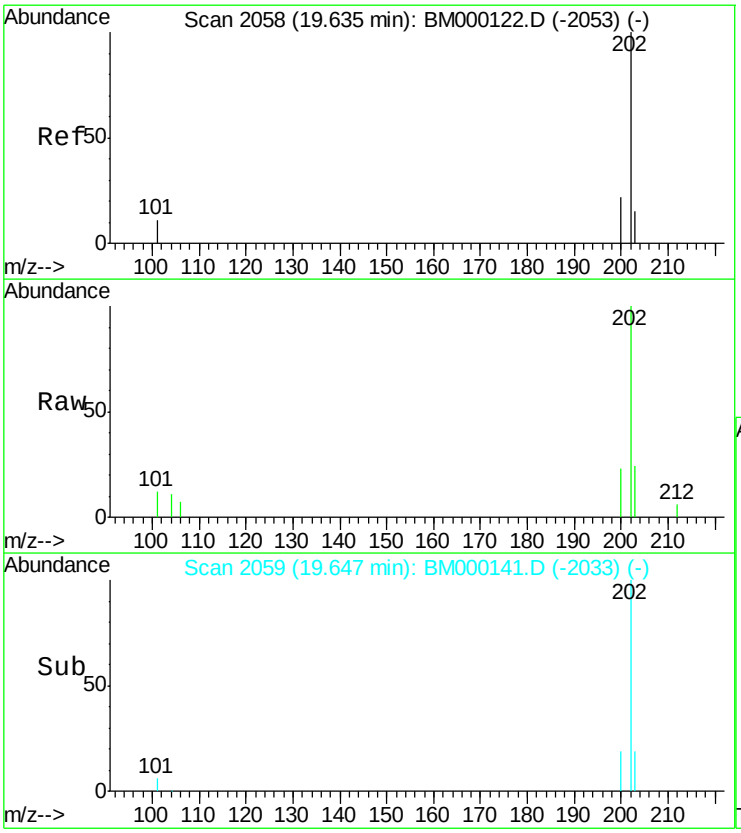
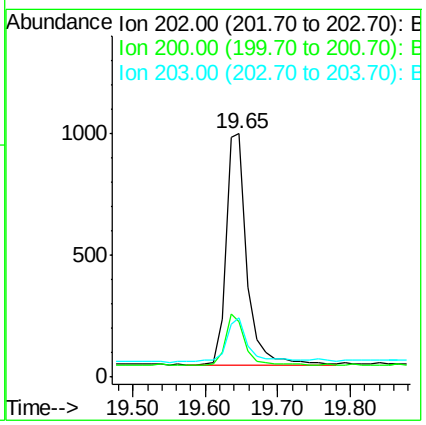
1/9/2015 5:45:01 PM

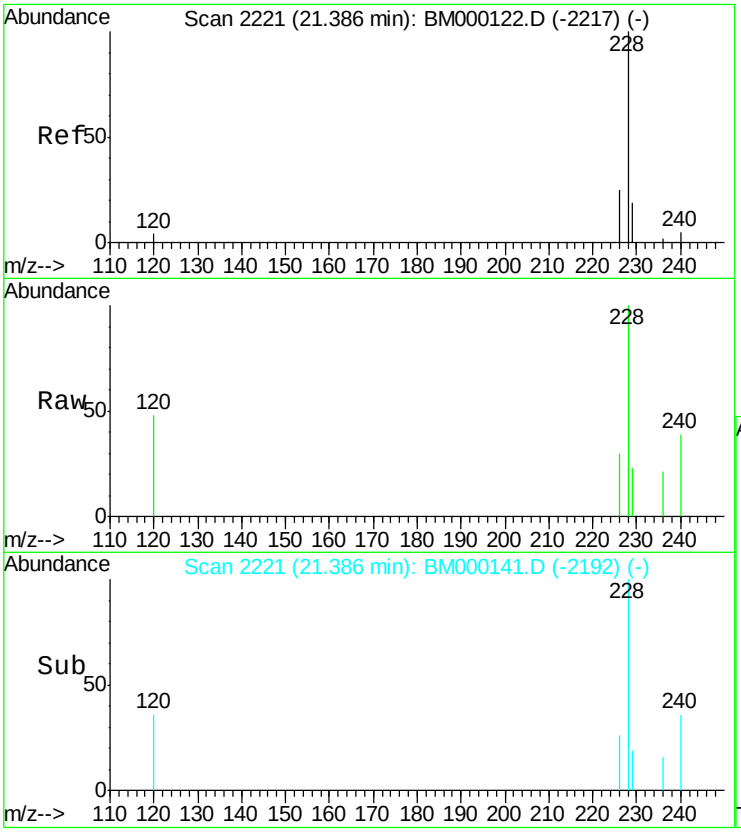


#17
Pyrene
Concen: 0.05 ng/ul
RT: 19.65 min Scan# 2059
Delta R.T. 0.01 min
Lab File: BM000141.D
Acq: 07 Jan 2015 23:32

Tgt Ion:202 Resp: 1952

Ion	Ratio	Lower	Upper
202	100		
200	22.7	17.9	26.9
203	24.4	12.8	19.2#

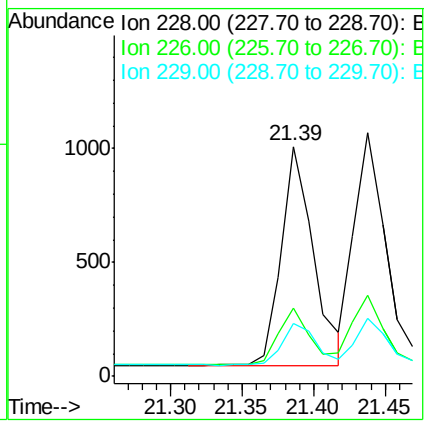




#18
Benzo(a)anthracene
Concen: 0.05 ng/ul
RT: 21.39 min Scan# 2221
Delta R.T. -0.00 min
Lab File: BM000141.D
Acq: 07 Jan 2015 23:32

Tgt Ion:228 Resp: 1503

Ion	Ratio	Lower	Upper
228	100		
226	29.6	20.8	31.2
229	22.9	15.5	23.3



Instrument :
BNA_M
ClientSampleId :
MDL-06-S

Manual Integrations APPROVED
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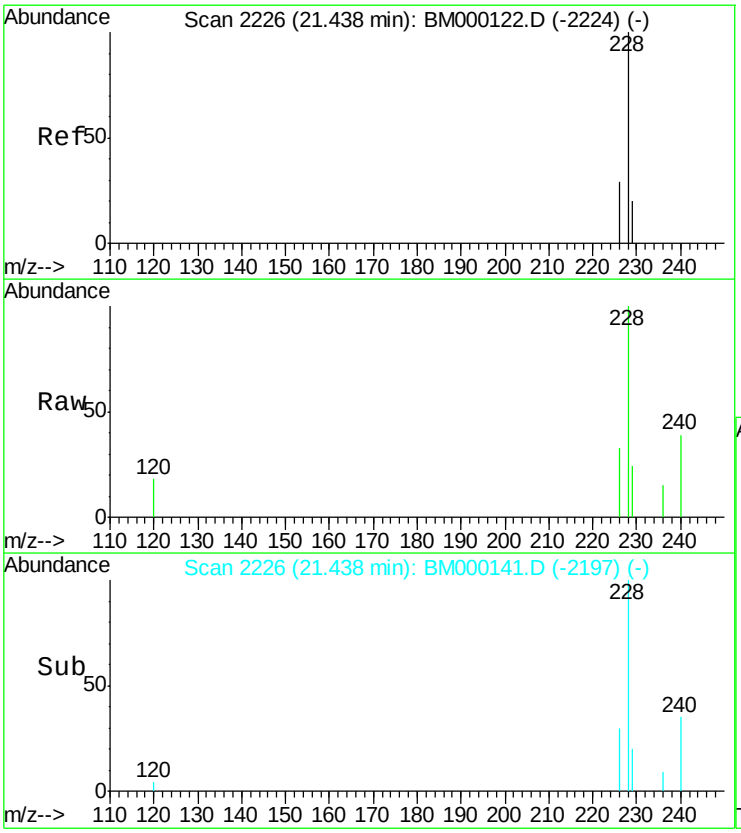
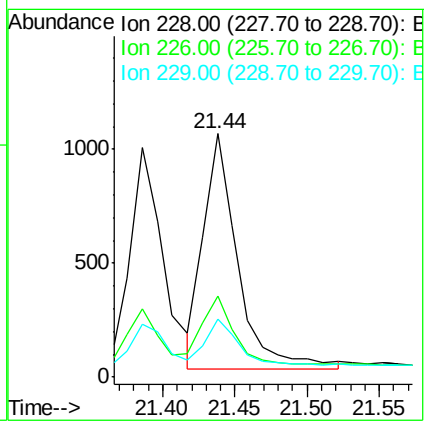
1/9/2015 5:45:01 PM

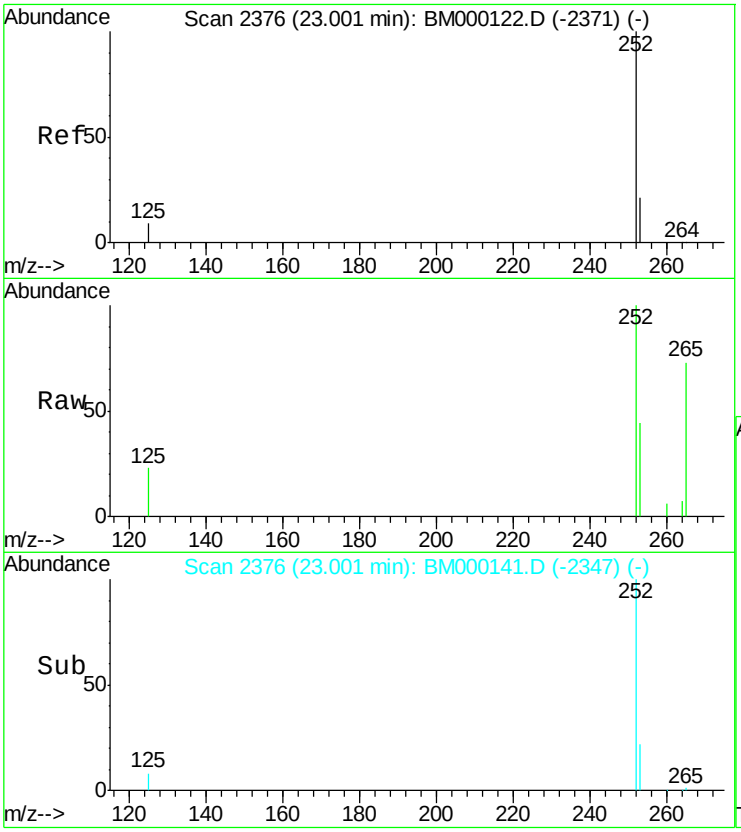


#19
Chrysene
Concen: 0.05 ng/ul m
RT: 21.44 min Scan# 2226
Delta R.T. -0.00 min
Lab File: BM000141.D
Acq: 07 Jan 2015 23:32

Tgt Ion:228 Resp: 1730

Ion	Ratio	Lower	Upper
228	100		
226	33.2	23.8	35.6
229	23.8	15.8	23.8#

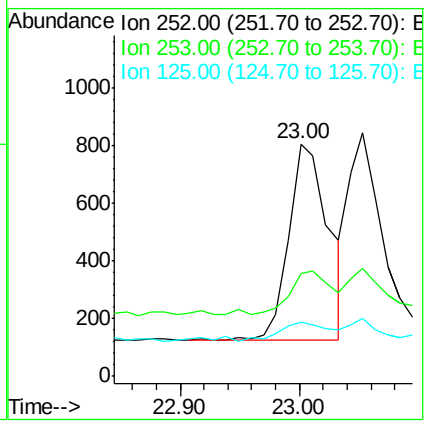




#21
Benzo(b)fluoranthene
Concen: 0.05 ng/ul
RT: 23.00 min Scan# 2376
Delta R.T. -0.00 min
Lab File: BM000141.D
Acq: 07 Jan 2015 23:32

Tgt Ion:252 Resp: 1577

Ion	Ratio	Lower	Upper
252	100		
253	44.2	0.0	48.2
125	23.4	0.0	21.6#



Instrument :
BNA_M
ClientSampleId :
MDL-06-S

Manual Integrations APPROVED
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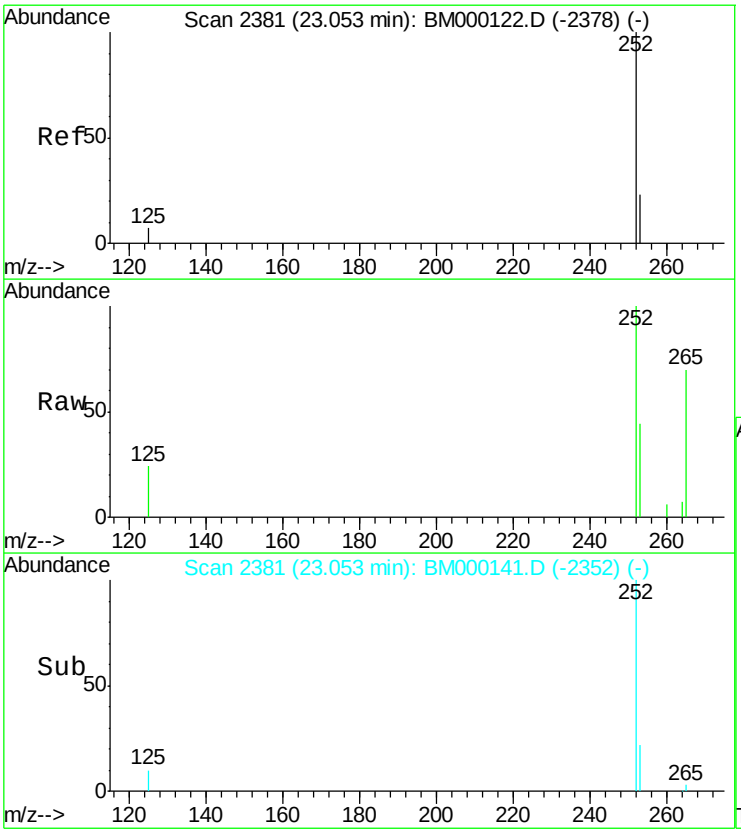
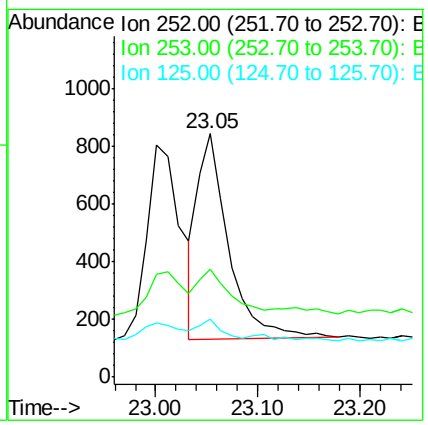
1/9/2015 5:45:01 PM

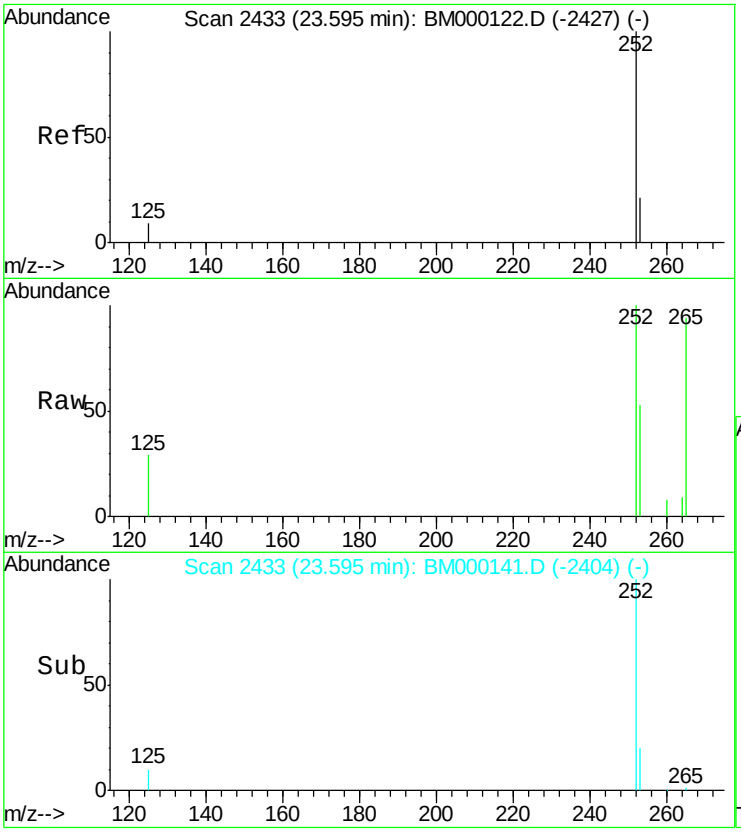


#22
Benzo(k)fluoranthene
Concen: 0.05 ng/ul
RT: 23.05 min Scan# 2381
Delta R.T. -0.00 min
Lab File: BM000141.D
Acq: 07 Jan 2015 23:32

Tgt Ion:252 Resp: 1499

Ion	Ratio	Lower	Upper
252	100		
253	44.4	20.5	30.7#
125	23.8	7.8	11.8#





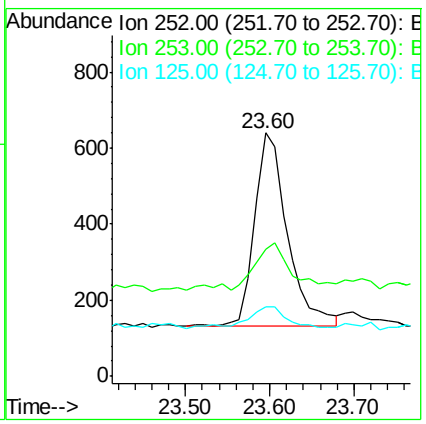
#23
Benzo(a)pyrene
Concen: 0.05 ng/ul
RT: 23.60 min Scan# 2433
Delta R.T. -0.00 min
Lab File: BM000141.D
Acq: 07 Jan 2015 23:32

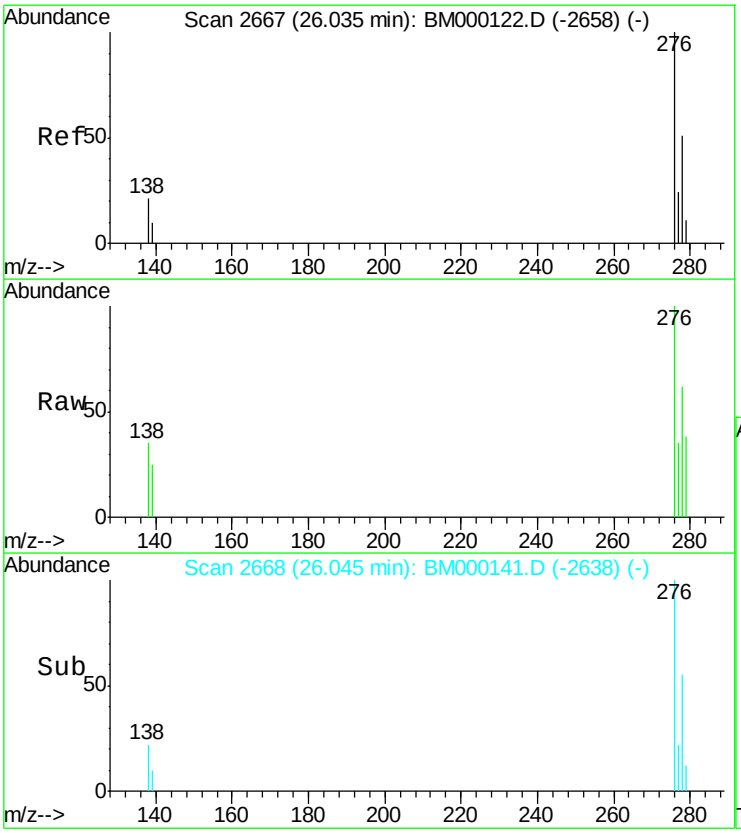
Tgt Ion:252 Resp: 1359

Ion	Ratio	Lower	Upper
252	100		
253	52.5	19.8	29.6#
125	28.6	9.2	13.8#

Instrument :
BNA_M
ClientSampleId :
MDL-06-S

Manual Integrations APPROVED
TEJASKUMAR
1/9/2015 5:45:01 PM

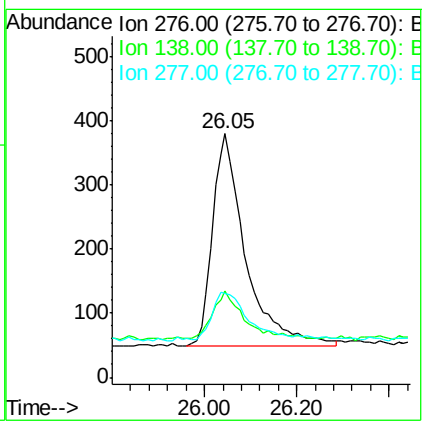


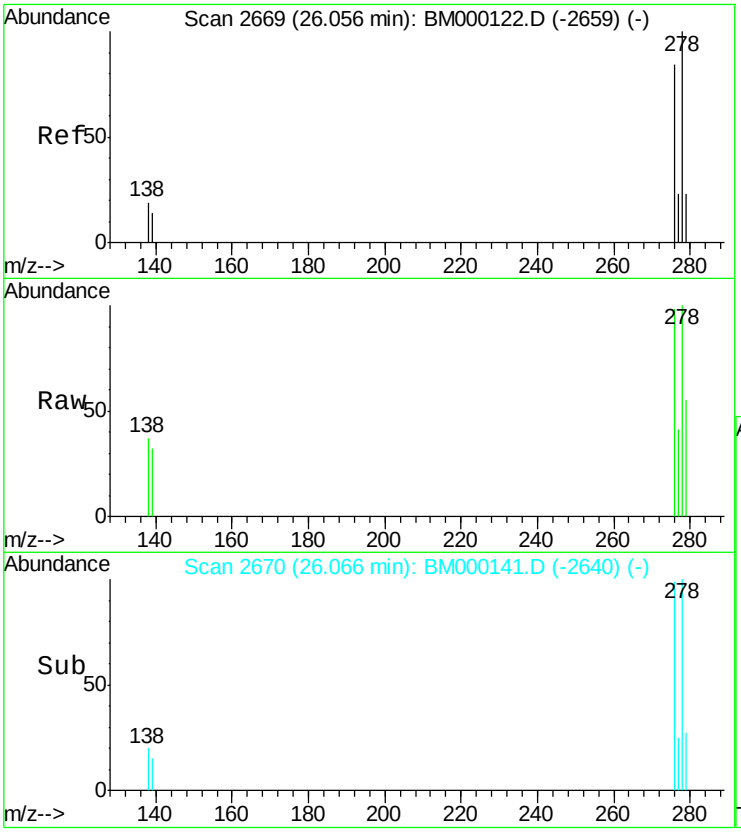


#24
Indeno(1,2,3-cd)pyrene
Concen: 0.05 ng/ul
RT: 26.05 min Scan# 2668
Delta R.T. 0.01 min
Lab File: BM000141.D
Acq: 07 Jan 2015 23:32

Tgt Ion:276 Resp: 1636

Ion	Ratio	Lower	Upper
276	100		
138	21.3	17.6	26.4
277	24.3	19.9	29.9





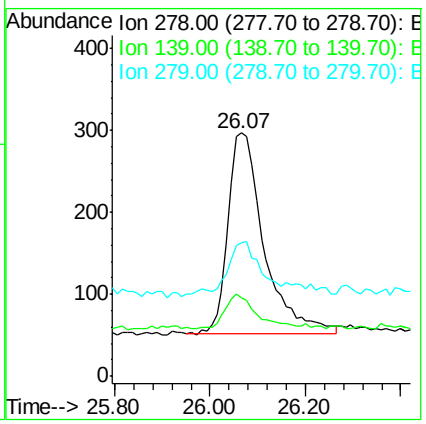
#25
Dibenzo(a,h)anthracene
Concen: 0.05 ng/ul
RT: 26.07 min Scan# 2670
Delta R.T. 0.01 min
Lab File: BM000141.D
Acq: 07 Jan 2015 23:32

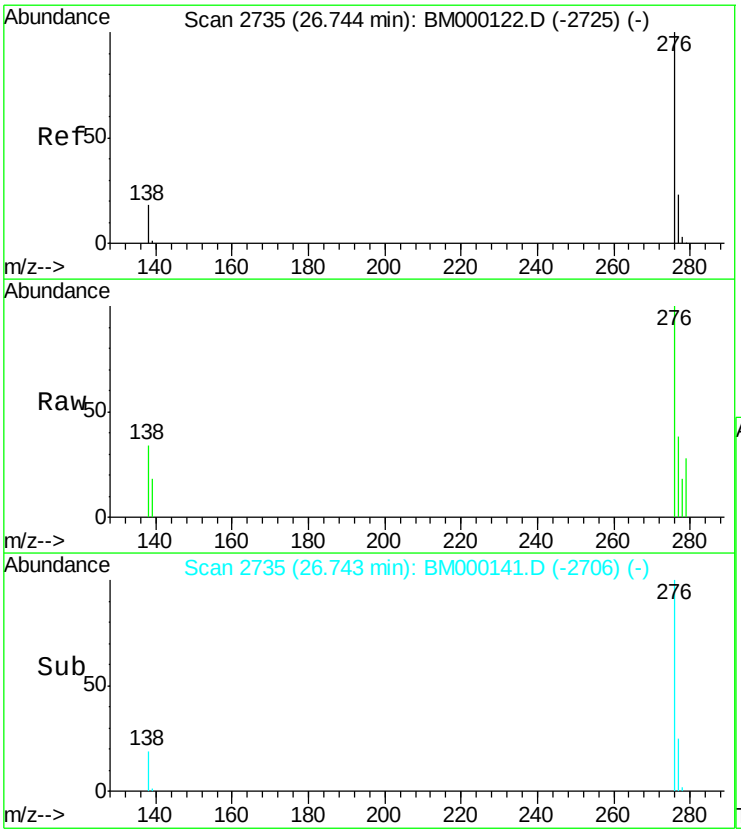
Instrument :
BNA_M
ClientSampleId :
MDL-06-S

Manual Integrations APPROVED
TEJASKUMAR
1/9/2015 5:45:01 PM

Tgt Ion:278 Resp: 1279

Ion	Ratio	Lower	Upper
278	100		
139	32.3	12.6	18.8#
279	54.9	20.6	30.8#





#26
Benzo(g,h,i)perylene
Concen: 0.05 ng/ul
RT: 26.74 min Scan# 2735
Delta R.T. -0.00 min
Lab File: BM000141.D
Acq: 07 Jan 2015 23:32

Tgt Ion:276 Resp: 1490

Ion	Ratio	Lower	Upper
276	100		
277	37.6	20.0	30.0#
138	34.0	15.7	23.5#