Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031618\
Data File : BM014627.D
Acq On : 17 Mar 2018 04:10
Operator : SJ/JU
Sample : J1918-15
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BE8K7

Manual Integrations APPROVED
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3/19/2018 2:25:57 PM

Quant Time: Mar 17 05:45:35 2018
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031518-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 17 03:22:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	84514	20.00	ng/ul	0.00
2) Naphthalene-d8	10.22	136	306752	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.12	164	148862	20.00	ng/ul	0.00
12) Phenanthrene-d10	16.89	188	273280	20.00	ng/ul	0.00
18) Chrysene-d12	21.12	240	267740	20.00	ng/ul	0.00
23) Perylene-d12	23.29	264	284587m	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	9.90	165	55807	11.77	ng/ul	0.02
7) Acenaphthylene-d8	13.81	160	238596	15.00	ng/ul	0.00
10) Fluorene-d10	15.13	176	147658	14.17	ng/ul	0.00
15) Anthracene-d10	16.99	188	210697	16.10	ng/ul	0.00
19) Pyrene-d10	19.30	212	203270	12.63	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.15	264	199188	14.47	ng/ul	0.01
Target Compounds						Qvalue
4) Naphthalene	10.27	128	28288	1.816	ng/ul#	92
5) 2-Methylnaphthalene	11.90	142	44059m	4.041	ng/ul	
8) Acenaphthylene	13.84	152	126976	8.599	ng/ul	95
14) Phenanthrene	16.93	178	53469	3.494	ng/ul	94
16) Anthracene	17.03	178	254018	16.604	ng/ul	97
17) Fluoranthene	18.97	202	130906	7.535	ng/ul#	99
20) Pyrene	19.33	202	292291	14.516	ng/ul#	96
21) Benzo(a)anthracene	21.10	228	216254m	12.772	ng/ul	
22) Chrysene	21.15	228	247480	15.897	ng/ul	96
24) Benzo(b)fluoranthene	22.64	252	1080923m	60.413	ng/ul	
25) Benzo(k)fluoranthene	22.68	252	219792m	12.930	ng/ul	
27) Benzo(a)pyrene	23.20	252	532371	31.347	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	25.46	276	477175m	24.412	ng/ul	
29) Dibenzo(a,h)anthracene	25.44	278	160382m	9.803	ng/ul	
30) Benzo(g,h,i)perylene	26.11	276	555120m	35.653	ng/ul	

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

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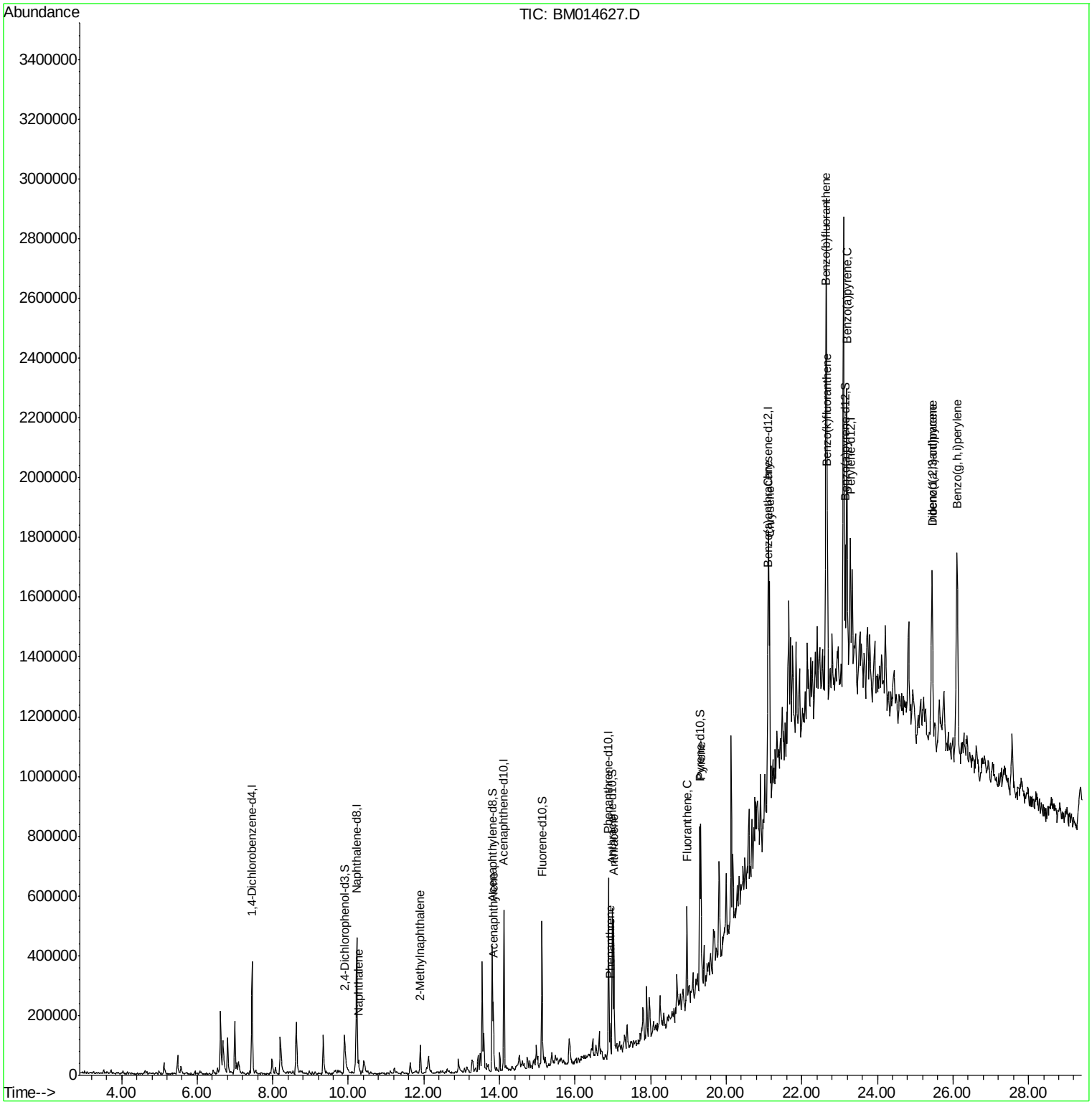
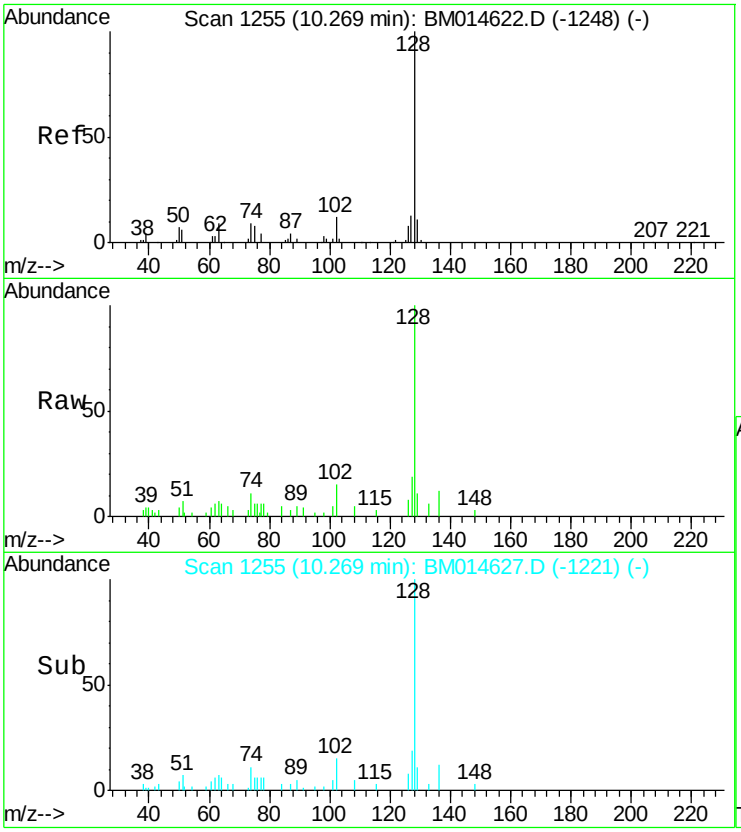
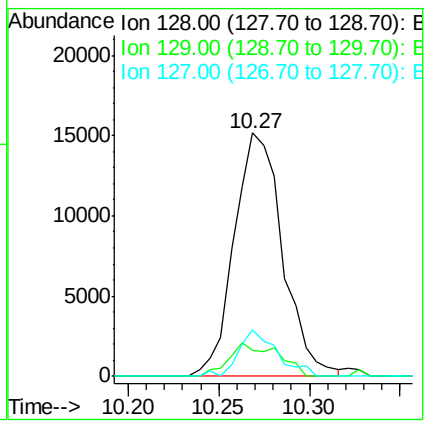




#4
Naphthalene
Concen: 1.816 ng/ul
RT: 10.27 min Scan# 1255
Delta R.T. -0.00 min
Lab File: BM014627.D
Acq: 17 Mar 2018 04:10

Tgt Ion:128 Resp: 28288

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	19.2	10.6	16.0#



Instrument :
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ClientSampleId :
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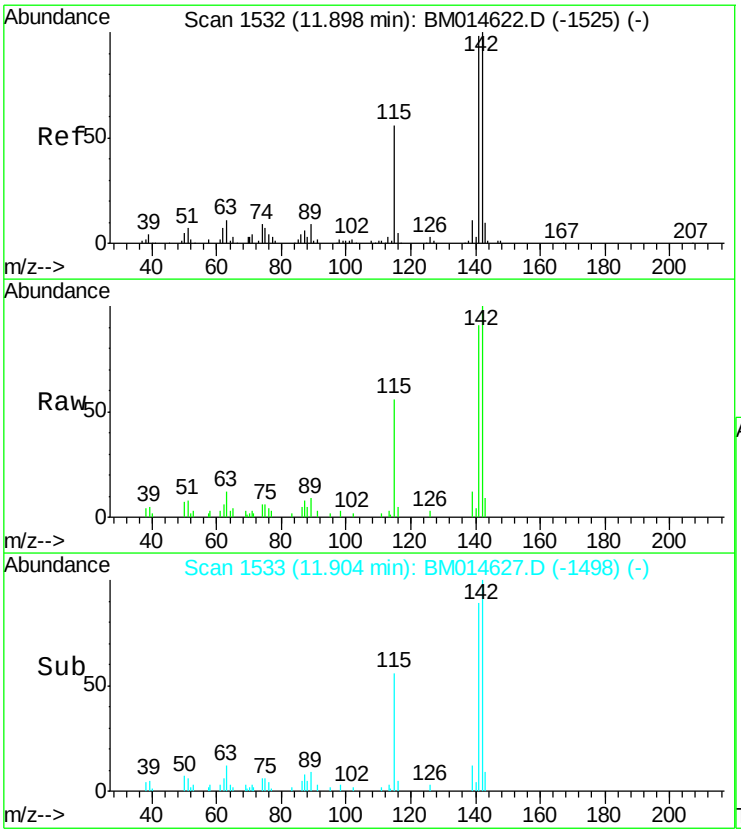
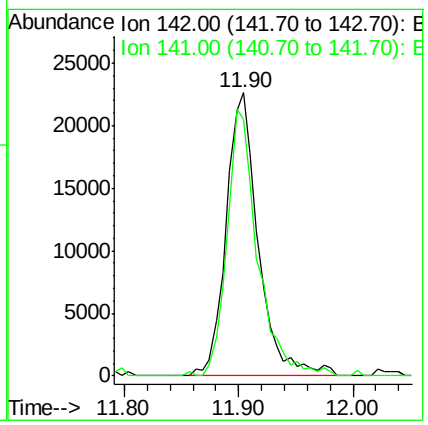
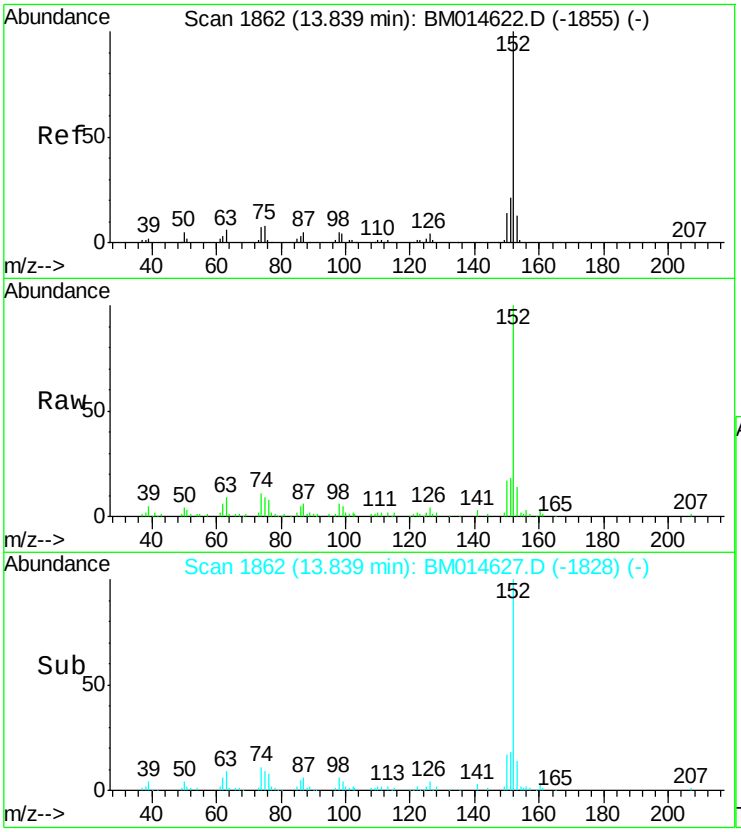


#5
2-Methylnaphthalene
Concen: 4.041 ng/ul m
RT: 11.90 min Scan# 1533
Delta R.T. 0.01 min
Lab File: BM014627.D
Acq: 17 Mar 2018 04:10

Tgt Ion:142 Resp: 44059

Ion	Ratio	Lower	Upper
142	100		
141	90.6	74.1	111.1

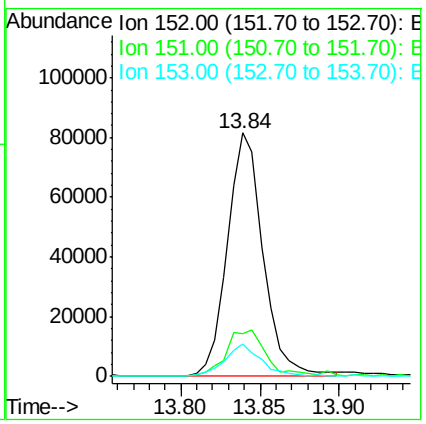




#8
Acenaphthylene
Concen: 8.599 ng/ul
RT: 13.84 min Scan# 1862
Delta R.T. -0.00 min
Lab File: BM014627.D
Acq: 17 Mar 2018 04:10

Tgt Ion:152 Resp: 126976

Ion	Ratio	Lower	Upper
152	100		
151	17.6	16.3	24.5
153	13.6	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
BE8K7

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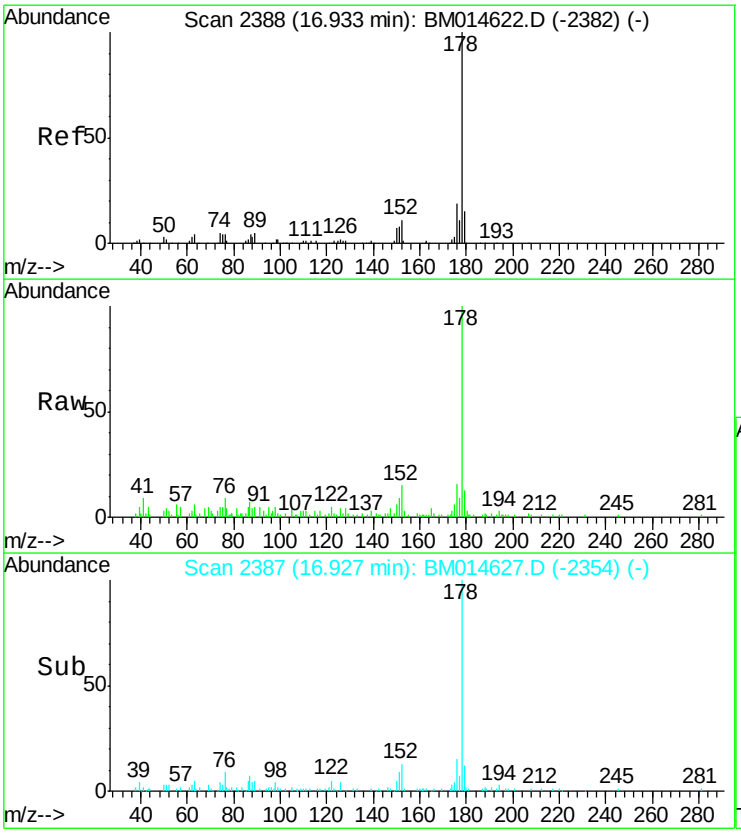
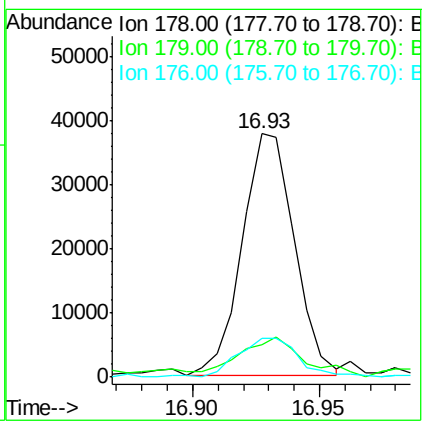
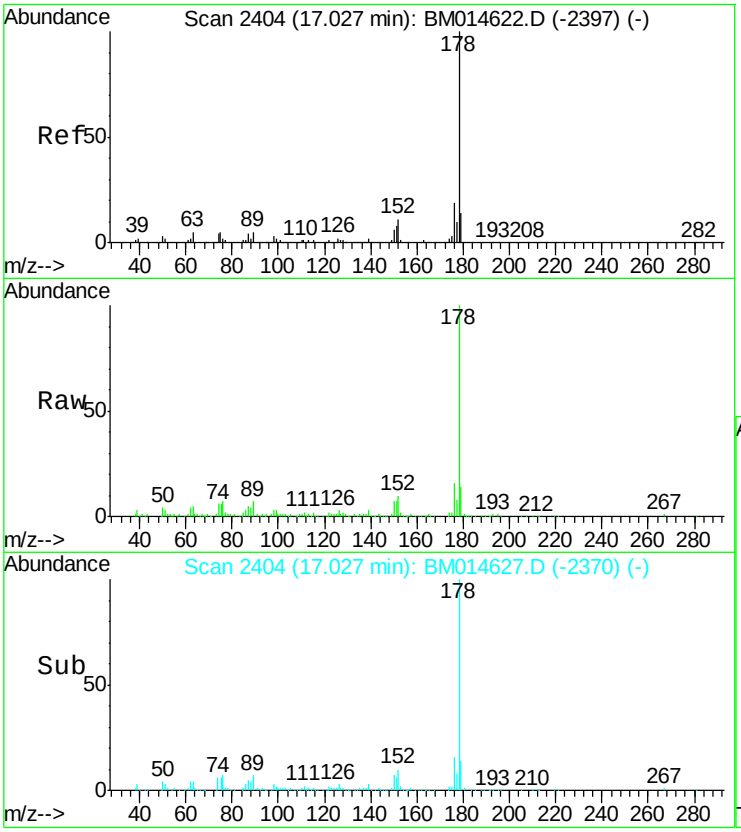


#14
Phenanthrene
Concen: 3.494 ng/ul
RT: 16.93 min Scan# 2387
Delta R.T. -0.01 min
Lab File: BM014627.D
Acq: 17 Mar 2018 04:10

Tgt Ion:178 Resp: 53469

Ion	Ratio	Lower	Upper
178	100		
179	13.1	12.6	19.0
176	16.0	14.9	22.3

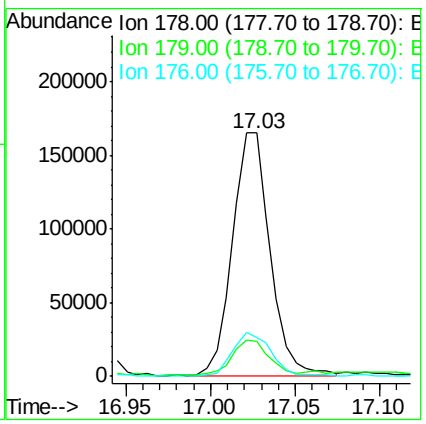




#16
Anthracene
Concen: 16.604 ng/ul
RT: 17.03 min Scan# 2404
Delta R.T. -0.00 min
Lab File: BM014627.D
Acq: 17 Mar 2018 04:10

Tgt Ion:178 Resp: 254018

Ion	Ratio	Lower	Upper
178	100		
179	14.5	11.7	17.5
176	16.1	14.6	21.8



Instrument :
BNA_M
ClientSampleId :
BE8K7

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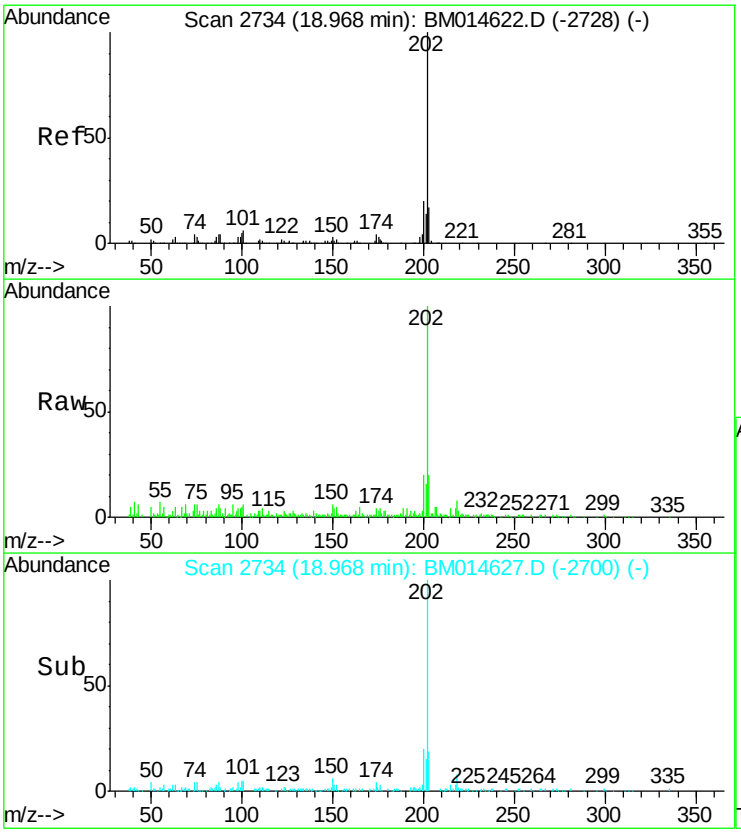
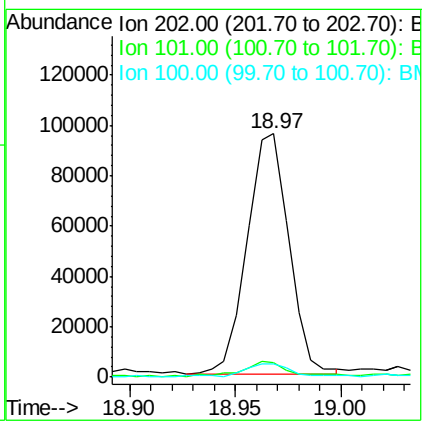
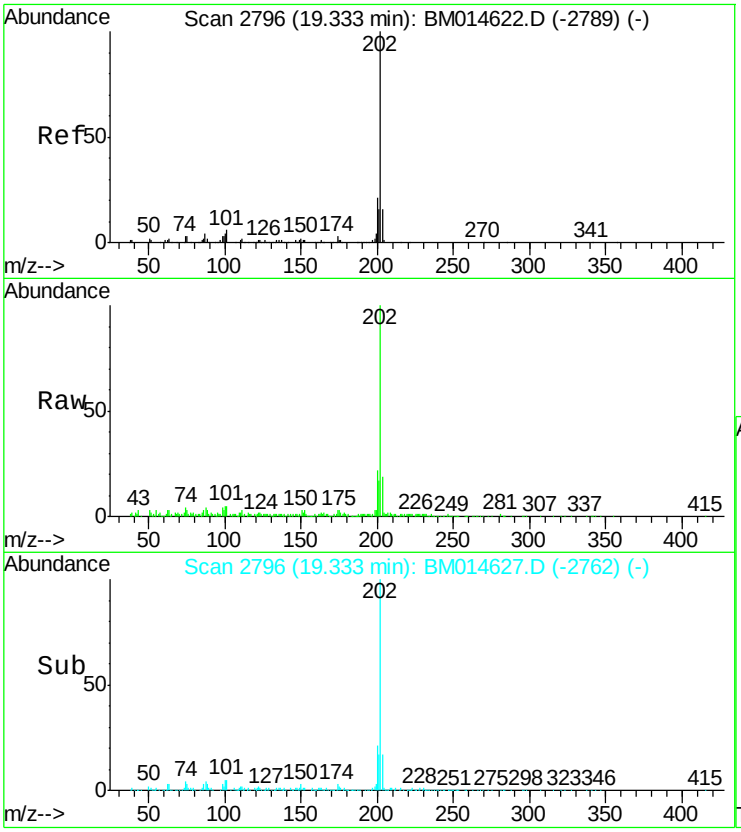


#17
Fluoranthene
Concen: 7.535 ng/ul
RT: 18.97 min Scan# 2734
Delta R.T. -0.00 min
Lab File: BM014627.D
Acq: 17 Mar 2018 04:10

Tgt Ion:202 Resp: 130906

Ion	Ratio	Lower	Upper
202	100		
101	5.8	4.6	7.0
100	5.2	3.4	5.2#

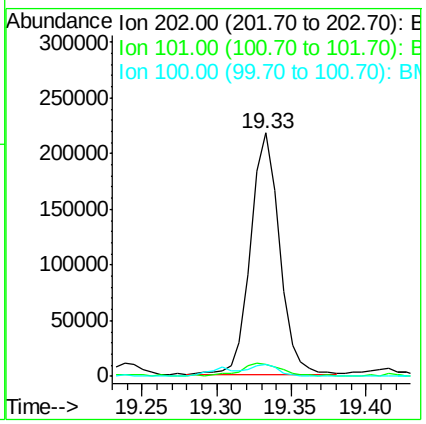




#20
Pyrene
Concen: 14.516 ng/ul
RT: 19.33 min Scan# 2796
Delta R.T. -0.00 min
Lab File: BM014627.D
Acq: 17 Mar 2018 04:10

Tgt Ion:202 Resp: 292291

Ion	Ratio	Lower	Upper
202	100		
101	5.1	5.1	7.7#
100	5.0	4.9	7.3



Instrument :
BNA_M
ClientSampleId :
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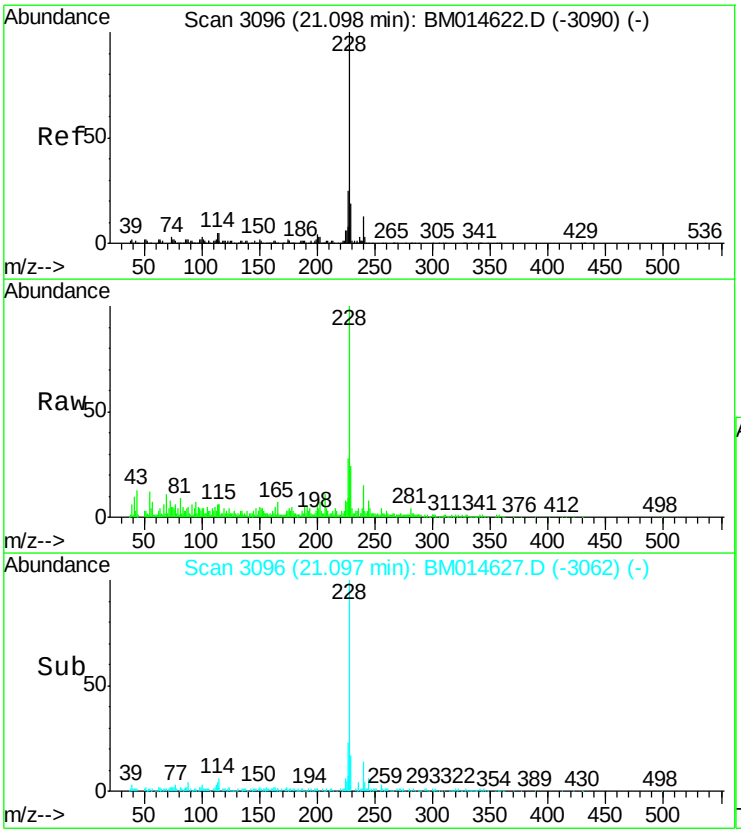
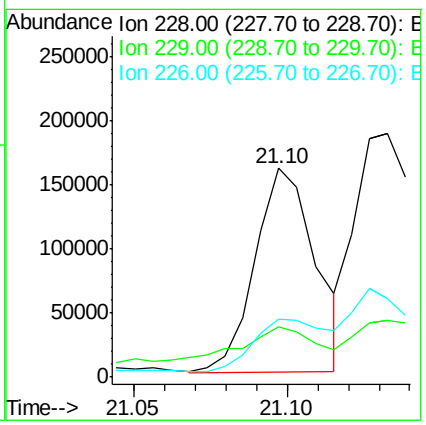
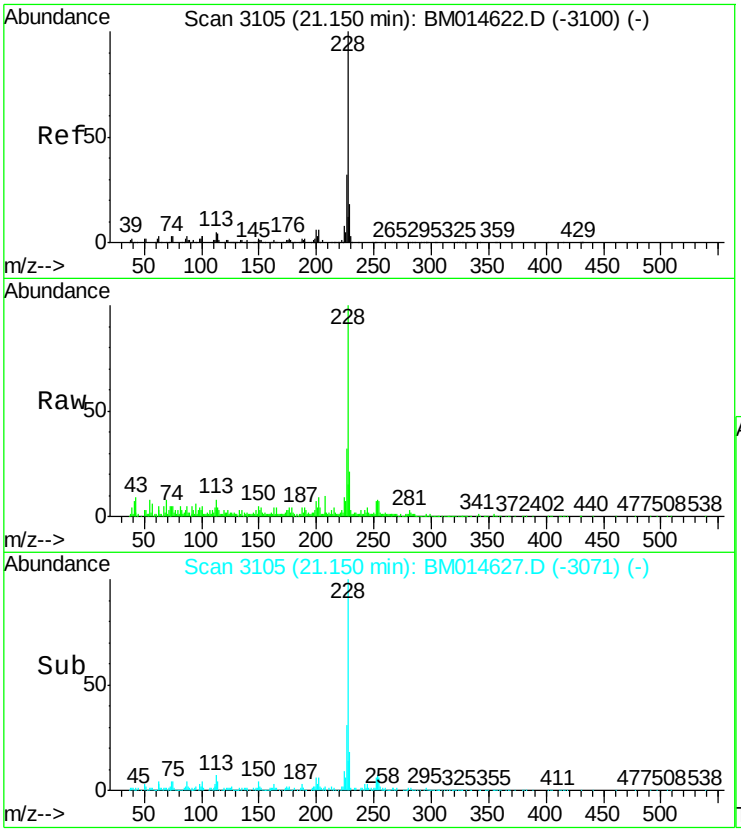


#21
Benzo(a)anthracene
Concen: 12.772 ng/ul m
RT: 21.10 min Scan# 3096
Delta R.T. -0.00 min
Lab File: BM014627.D
Acq: 17 Mar 2018 04:10

Tgt Ion:228 Resp: 216254

Ion	Ratio	Lower	Upper
228	100		
229	24.3	15.4	23.0#
226	27.6	21.4	32.0

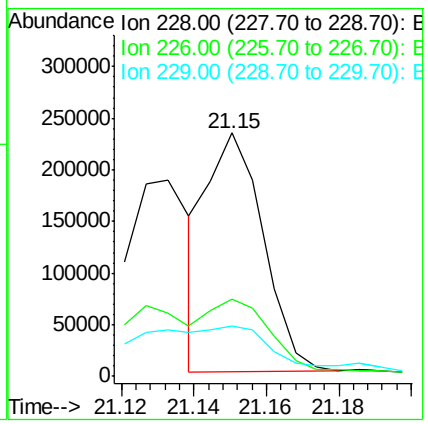




#22
Chrysene
Concen: 15.897 ng/ul
RT: 21.15 min Scan# 3105
Delta R.T. -0.00 min
Lab File: BM014627.D
Acq: 17 Mar 2018 04:10

Tgt Ion:228 Resp: 247480

Ion	Ratio	Lower	Upper
228	100		
226	31.9	23.4	35.2
229	20.6	15.5	23.3



Instrument :
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ClientSampleId :
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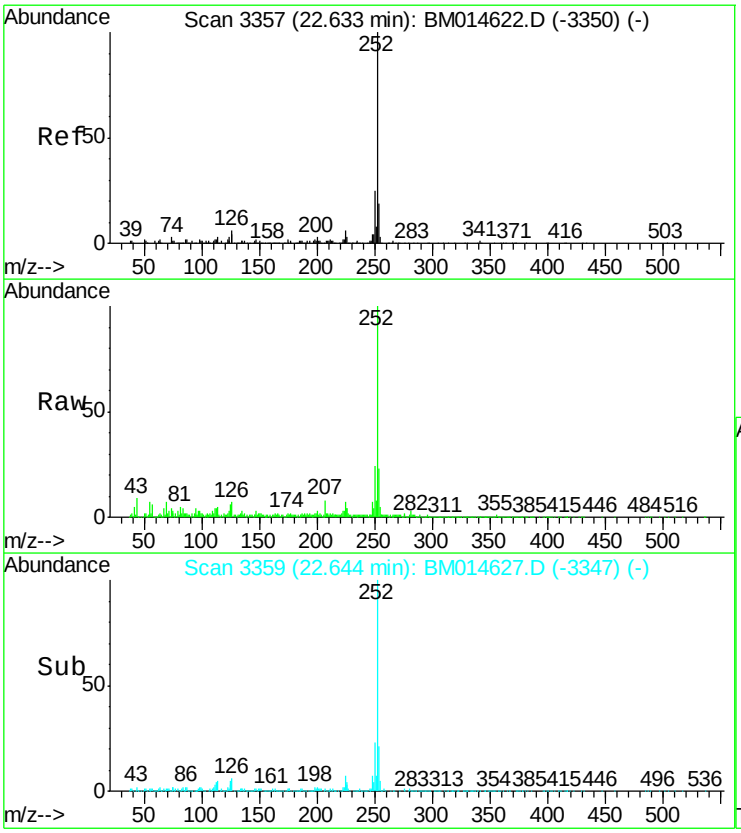
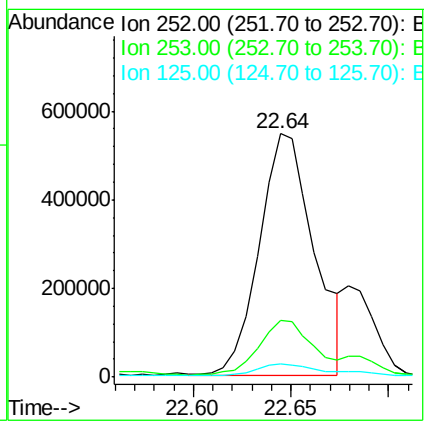
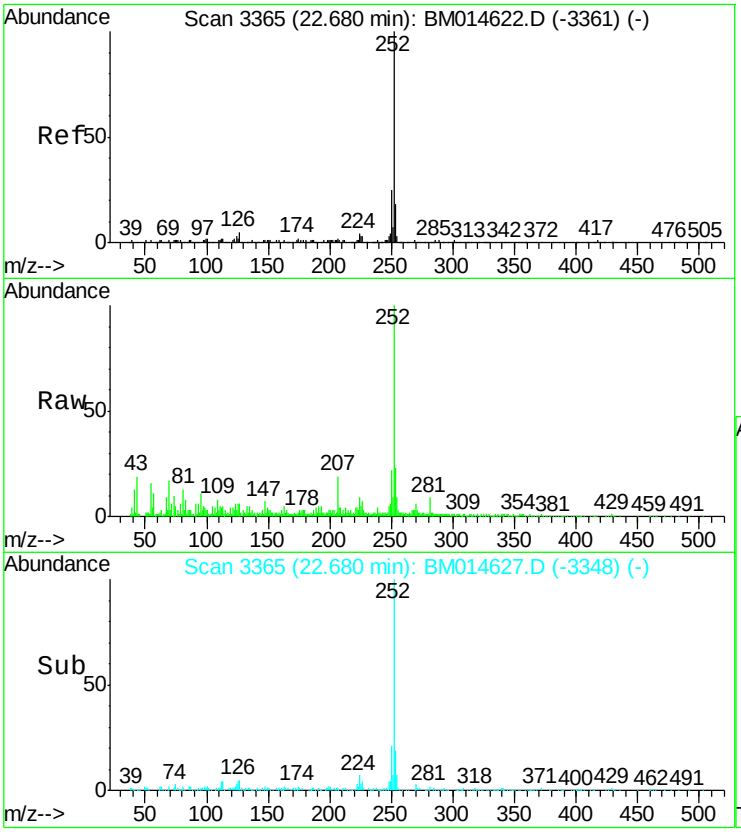


#24
Benzo(b)fluoranthene
Concen: 60.413 ng/ul m
RT: 22.64 min Scan# 3359
Delta R.T. 0.01 min
Lab File: BM014627.D
Acq: 17 Mar 2018 04:10

Tgt Ion:252 Resp: 1080923

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	5.5	3.6	5.4#

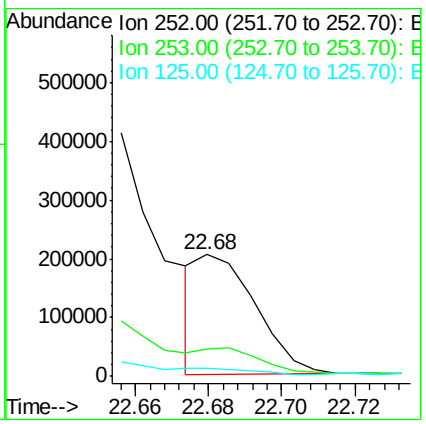




#25
Benzo(k)fluoranthene
Concen: 12.930 ng/ul m
RT: 22.68 min Scan# 3365
Delta R.T. -0.00 min
Lab File: BM014627.D
Acq: 17 Mar 2018 04:10

Tgt Ion:252 Resp: 219792

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	6.4	3.4	5.2#



Instrument :
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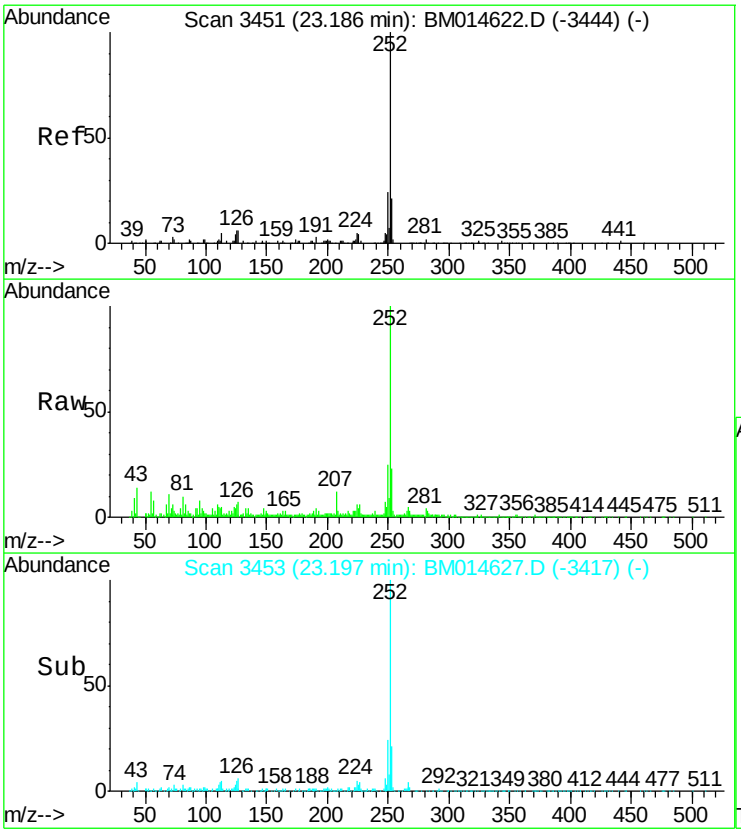
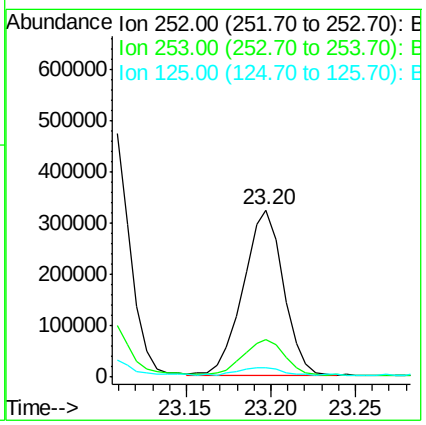
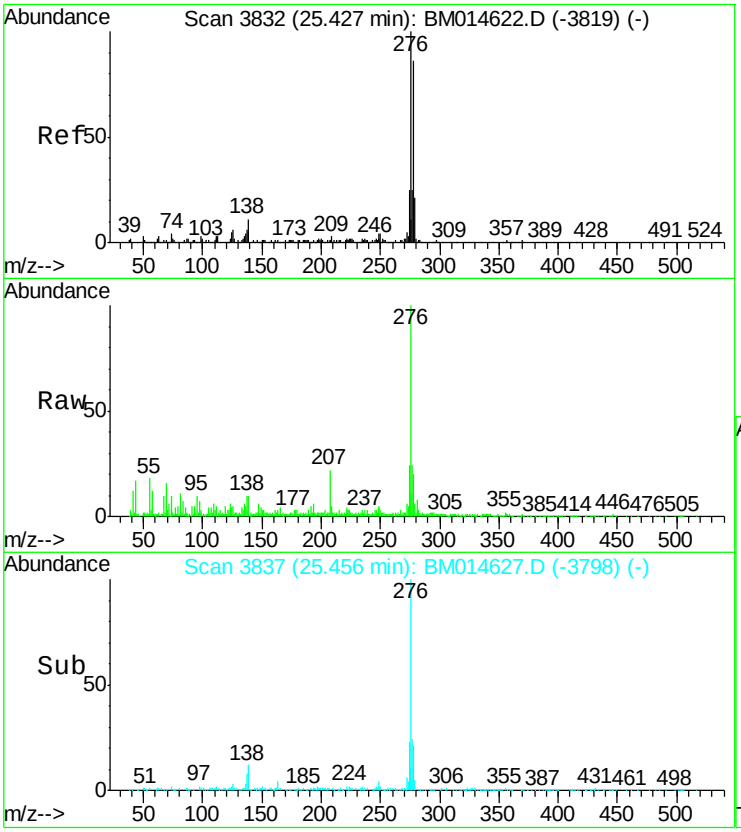


#27
Benzo(a)pyrene
Concen: 31.347 ng/ul
RT: 23.20 min Scan# 3453
Delta R.T. 0.01 min
Lab File: BM014627.D
Acq: 17 Mar 2018 04:10

Tgt Ion:252 Resp: 532371

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	5.7	4.0	6.0

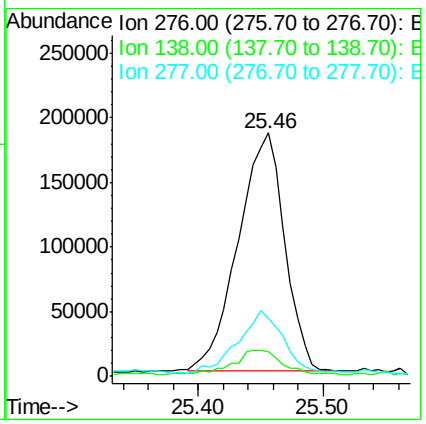




#28
Indeno(1,2,3-cd)pyrene
Concen: 24.412 ng/ul m
RT: 25.46 min Scan# 3837
Delta R.T. 0.03 min
Lab File: BM014627.D
Acq: 17 Mar 2018 04:10

Tgt Ion:276 Resp: 477175

Ion	Ratio	Lower	Upper
276	100		
138	10.4	9.3	13.9
277	24.0	19.9	29.9



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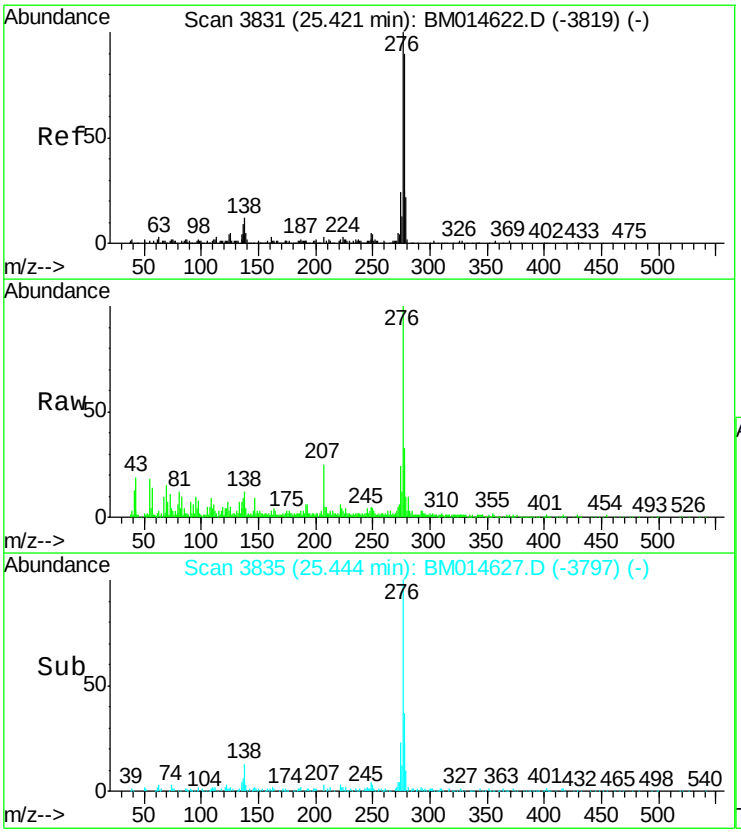
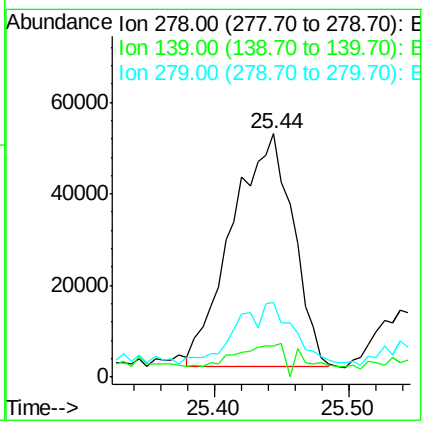
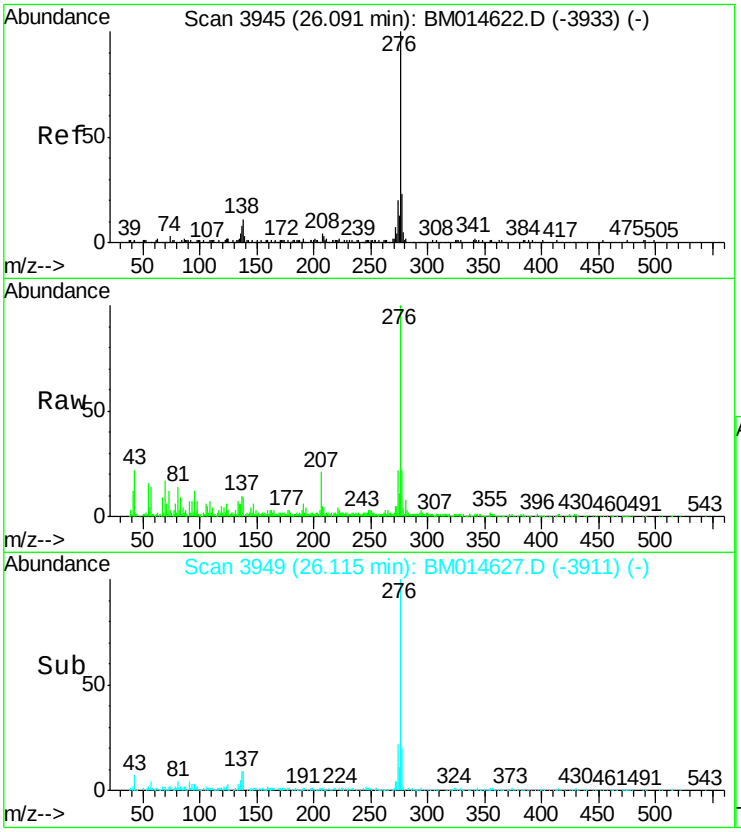


#29
Dibenzo(a,h)anthracene
Concen: 9.803 ng/ul m
RT: 25.44 min Scan# 3835
Delta R.T. 0.02 min
Lab File: BM014627.D
Acq: 17 Mar 2018 04:10

Tgt Ion:278 Resp: 160382

Ion	Ratio	Lower	Upper
278	100		
139	13.1	5.8	8.8#
279	30.9	18.6	27.8#

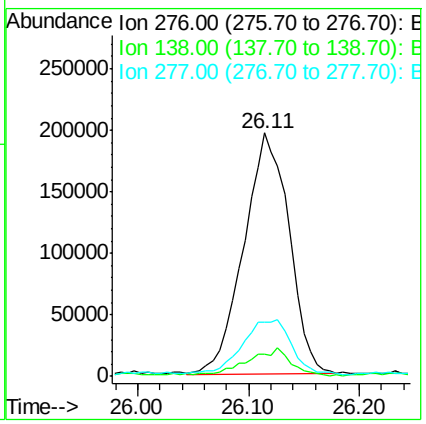




#30
Benzo(g,h,i)perylene
Concen: 35.653 ng/ul m
RT: 26.11 min Scan# 3949
Delta R.T. 0.02 min
Lab File: BM014627.D
Acq: 17 Mar 2018 04:10

Tgt Ion:276 Resp: 555120

Ion	Ratio	Lower	Upper
276	100		
138	9.2	8.5	12.7
277	22.2	18.6	28.0



Instrument :
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