Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040817\
Data File : BM009634.D
Acq On : 07 Apr 2017 18:14
Operator : SJ/MA
Sample : I2526-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB389

Manual Integrations APPROVED
mohammad
4/10/2017 1:24:02 PM

Quant Time: Apr 07 19:19:11 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040417-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 07 03:19:28 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	156465	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	604962	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	350171	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.24	188	815529	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	1049959	20.00	ng/ul	0.00
23) Perylene-d12	23.75	264	982411	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.25	165	308378	33.15	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	1199136	34.94	ng/ul	0.00
10) Fluorene-d10	15.48	176	853882	34.59	ng/ul	0.00
15) Anthracene-d10	17.33	188	1361903	34.90	ng/ul	0.00
19) Pyrene-d10	19.63	212	1577735	36.57	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.60	264	1558177	35.92	ng/ul	0.00
Target Compounds						Qvalue
4) Naphthalene	10.69	128	130978	4.22	ng/ul	99
5) 2-Methylnaphthalene	12.30	142	59904	2.65	ng/ul	98
8) Acenaphthylene	14.21	152	160380	4.66	ng/ul	97
9) Acenaphthene	14.55	153	161028	6.79	ng/ul	96
11) Fluorene	15.53	166	194438	6.72	ng/ul	98
14) Phenanthrene	17.28	178	3312314	72.24	ng/ul	98
16) Anthracene	17.37	178	873210	18.42	ng/ul	95
17) Fluoranthene	19.30	202	5693463	99.71	ng/ul	96
20) Pyrene	19.66	202	5013590	87.70	ng/ul	96
21) Benzo(a)anthracene	21.40	228	3239948	54.58	ng/ul	99
22) Chrysene	21.46	228	2647379	48.65	ng/ul	97
24) Benzo(b)fluoranthene	23.05	252	3585298	59.01	ng/ul	98
25) Benzo(k)fluoranthene	23.09	252	1330443m	22.98	ng/ul	
27) Benzo(a)pyrene	23.65	252	2781739m	48.16	ng/ul	
28) Indeno(1,2,3-cd)pyrene	26.12	276	1658178	25.60	ng/ul#	95
29) Dibenzo(a,h)anthracene	26.12	278	480249	8.72	ng/ul	98
30) Benzo(g,h,i)perylene	26.86	276	1468653	27.50	ng/ul#	91

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

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ClientSampleId :
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Manual Integrations APPROVED
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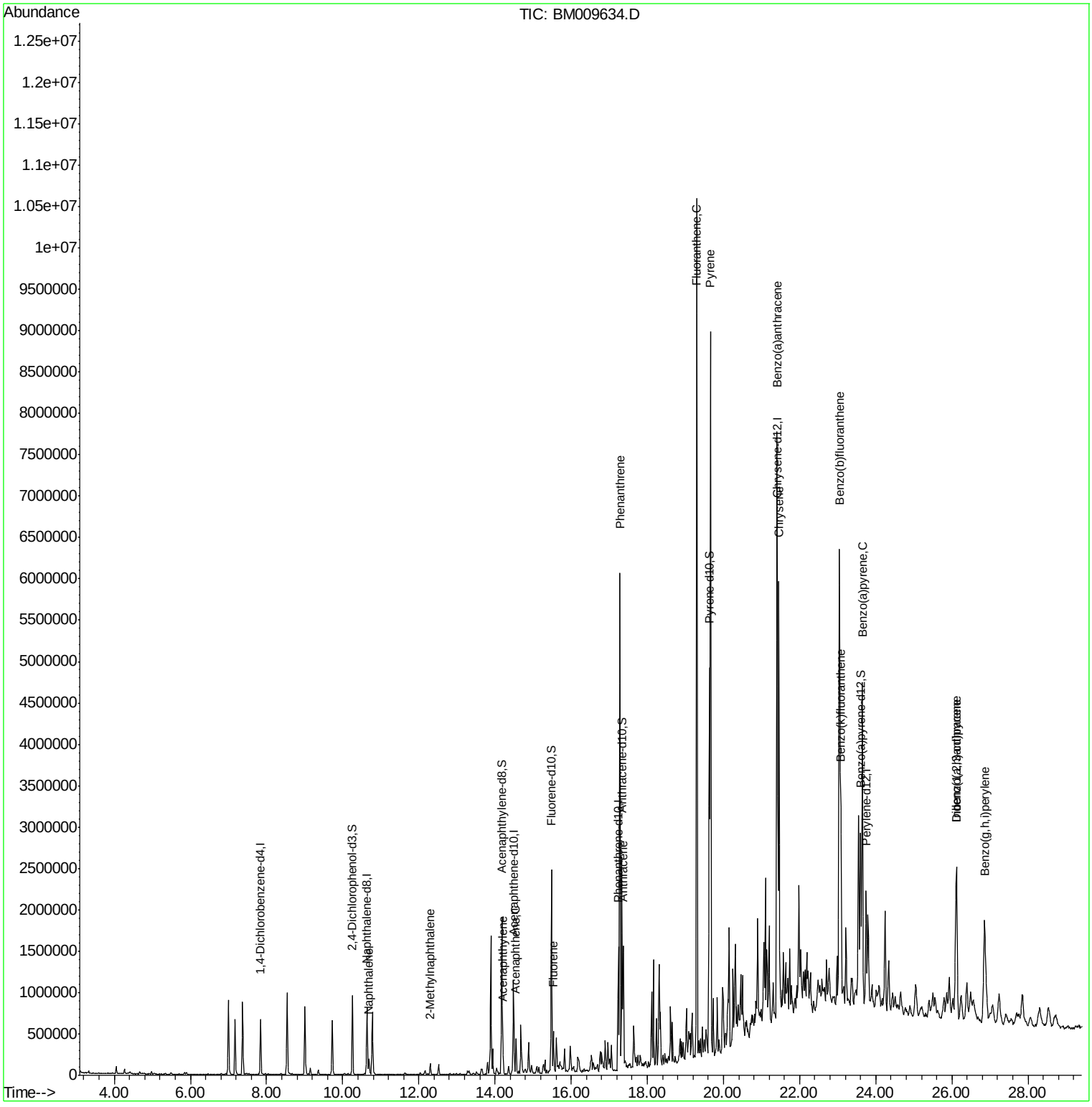
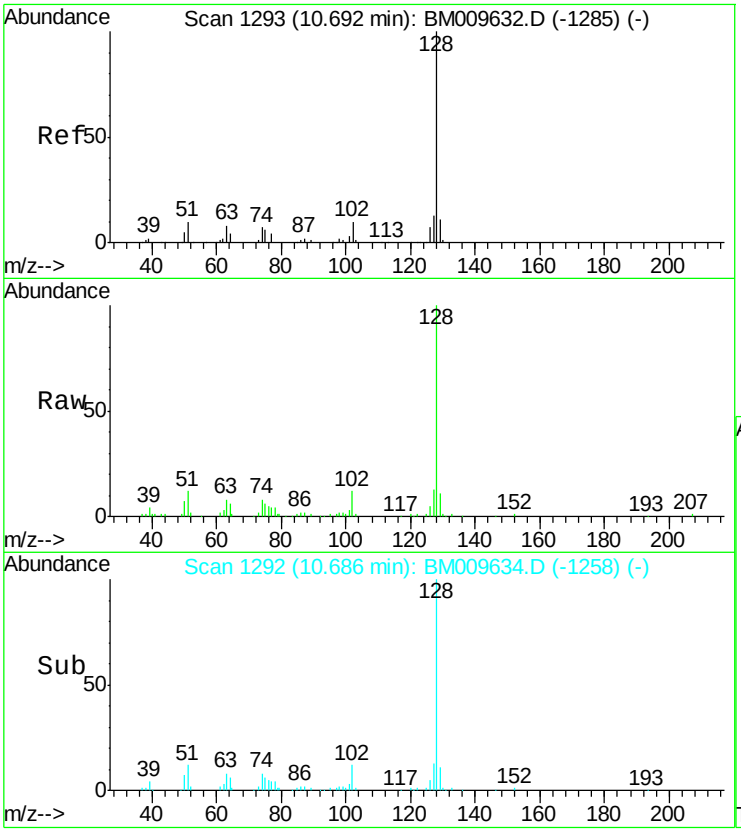
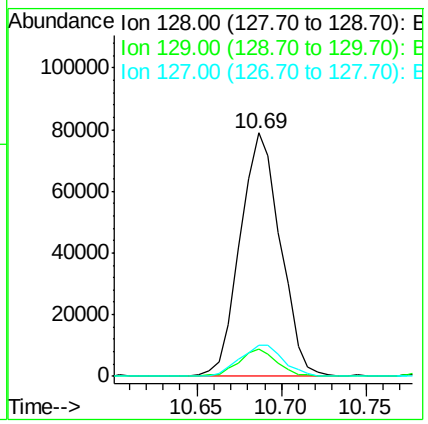




#4
Naphthalene
Concen: 4.22 ng/ul
RT: 10.69 min Scan# 1292
Delta R.T. 0.00 min
Lab File: BM009634.D
Acq: 07 Apr 2017 18:14

Tgt Ion:128 Resp: 130978

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.1	13.7
127	13.0	10.6	15.8



Instrument :
BNA_M
ClientSampleId :
CB389

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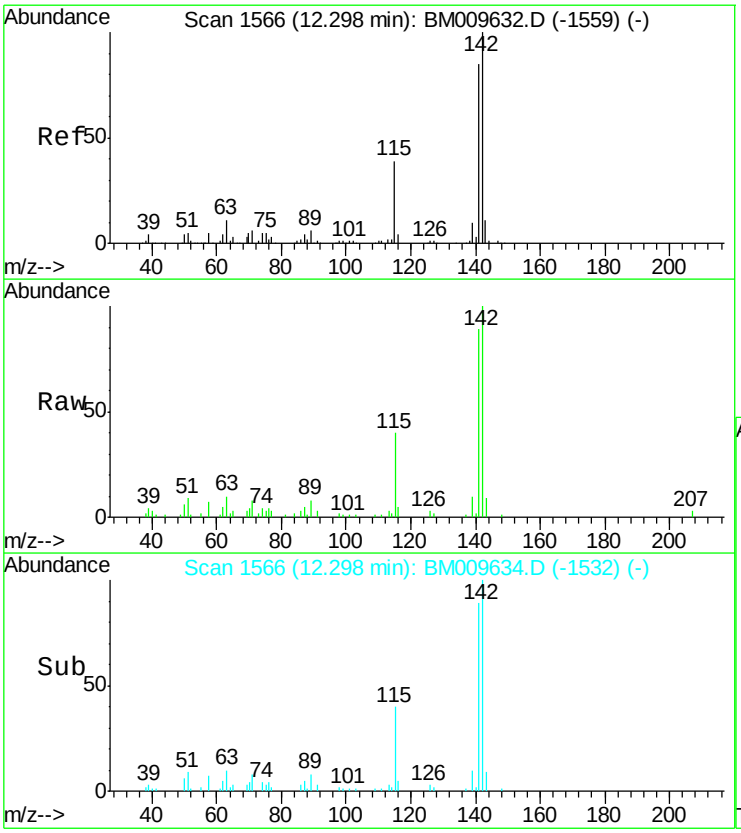
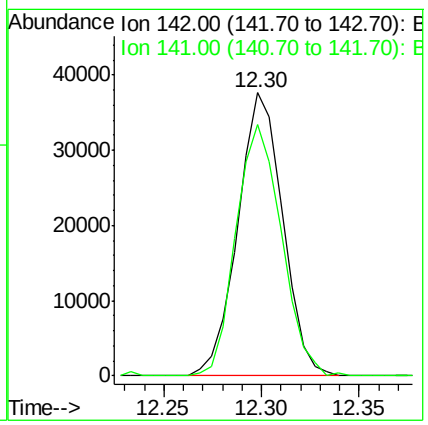
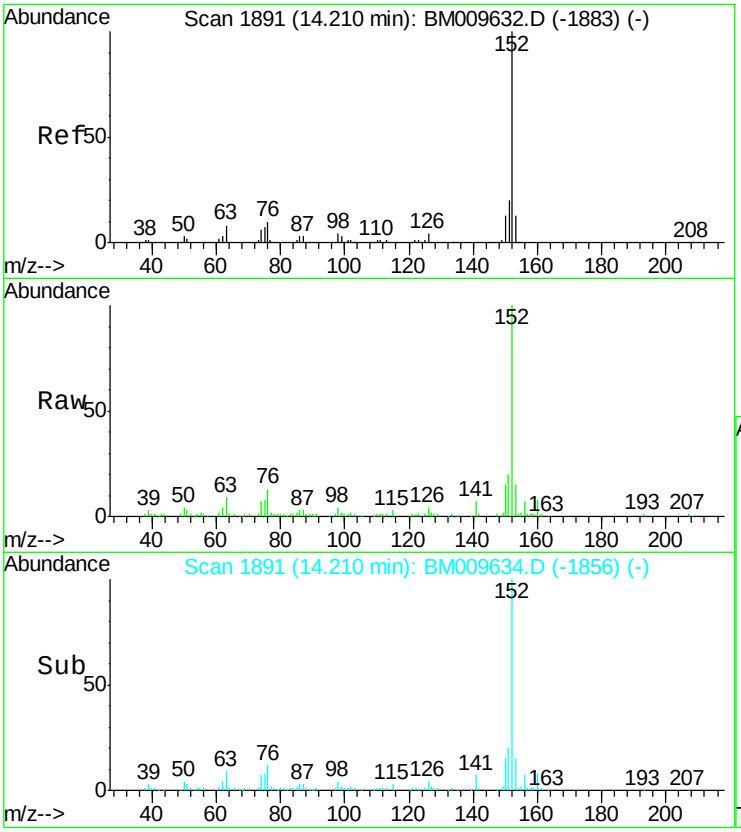


#5
2-Methylnaphthalene
Concen: 2.65 ng/ul
RT: 12.30 min Scan# 1566
Delta R.T. 0.00 min
Lab File: BM009634.D
Acq: 07 Apr 2017 18:14

Tgt Ion:142 Resp: 59904

Ion	Ratio	Lower	Upper
142	100		
141	89.0	69.8	104.8

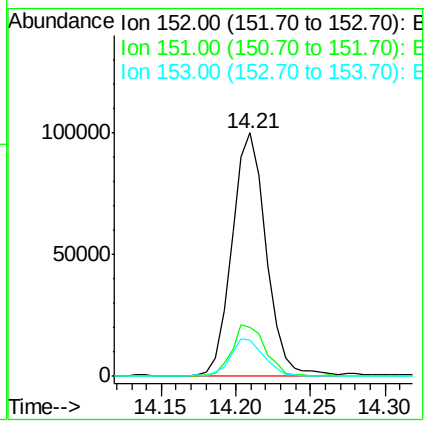




#8
Acenaphthylene
Concen: 4.66 ng/ul
RT: 14.21 min Scan# 1891
Delta R.T. 0.01 min
Lab File: BM009634.D
Acq: 07 Apr 2017 18:14

Tgt Ion:152 Resp: 160380

Ion	Ratio	Lower	Upper
152	100		
151	20.4	17.5	26.3
153	14.9	10.6	16.0



Instrument :
BNA_M
ClientSampleId :
CB389

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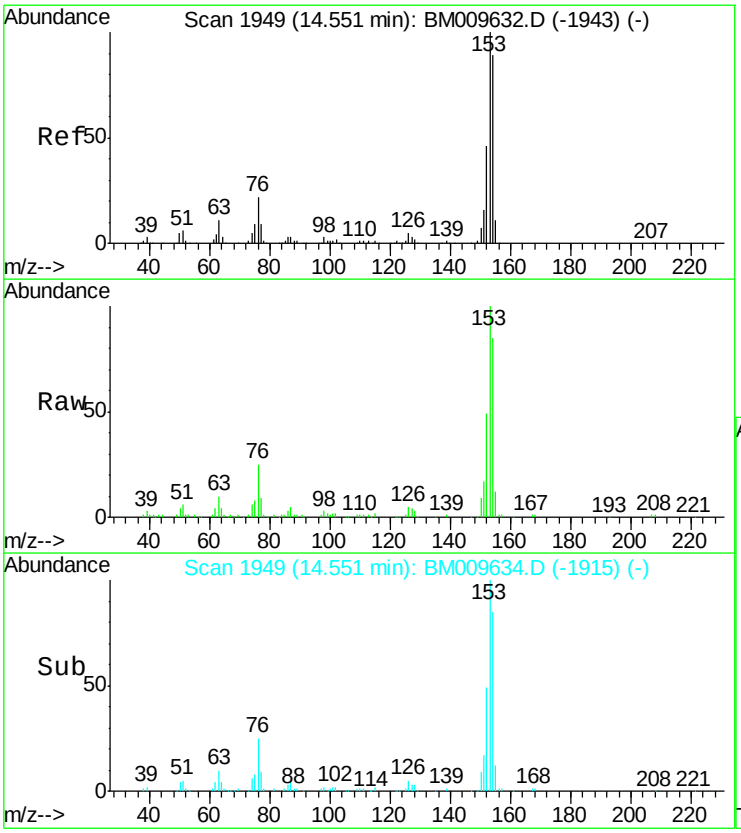
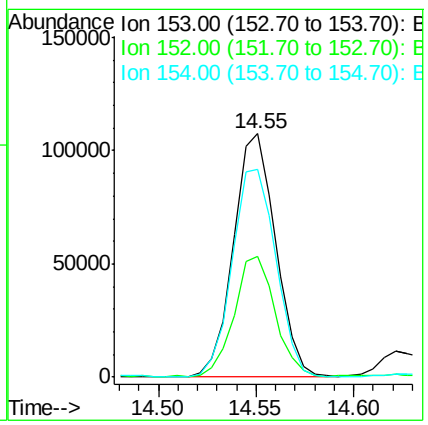
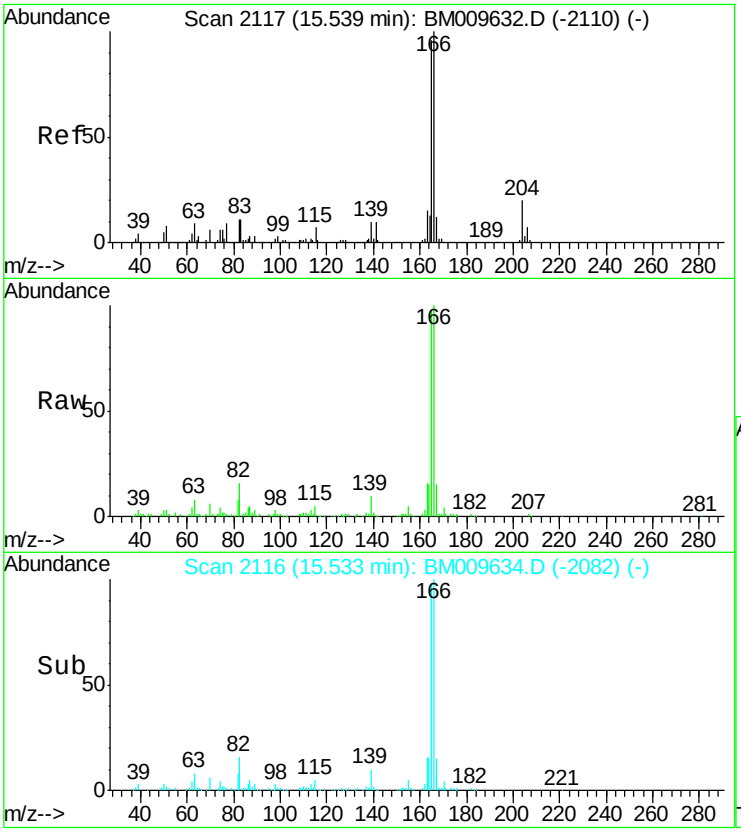


#9
Acenaphthene
Concen: 6.79 ng/ul
RT: 14.55 min Scan# 1949
Delta R.T. 0.00 min
Lab File: BM009634.D
Acq: 07 Apr 2017 18:14

Tgt Ion:153 Resp: 161028

Ion	Ratio	Lower	Upper
153	100		
152	49.4	37.9	56.9
154	85.5	71.6	107.4

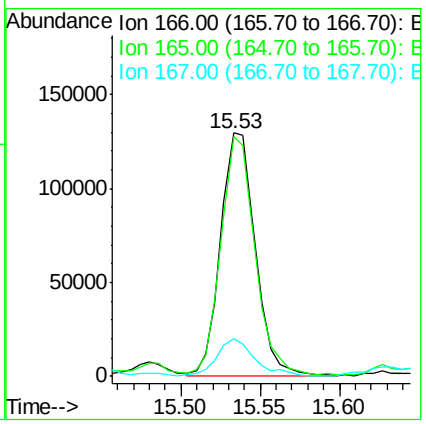




#11
Fluorene
Concen: 6.72 ng/ul
RT: 15.53 min Scan# 2116
Delta R.T. 0.00 min
Lab File: BM009634.D
Acq: 07 Apr 2017 18:14

Tgt Ion:166 Resp: 194438

Ion	Ratio	Lower	Upper
166	100		
165	98.4	80.0	120.0
167	15.2	11.6	17.4



Instrument :
BNA_M
ClientSampleId :
CB389

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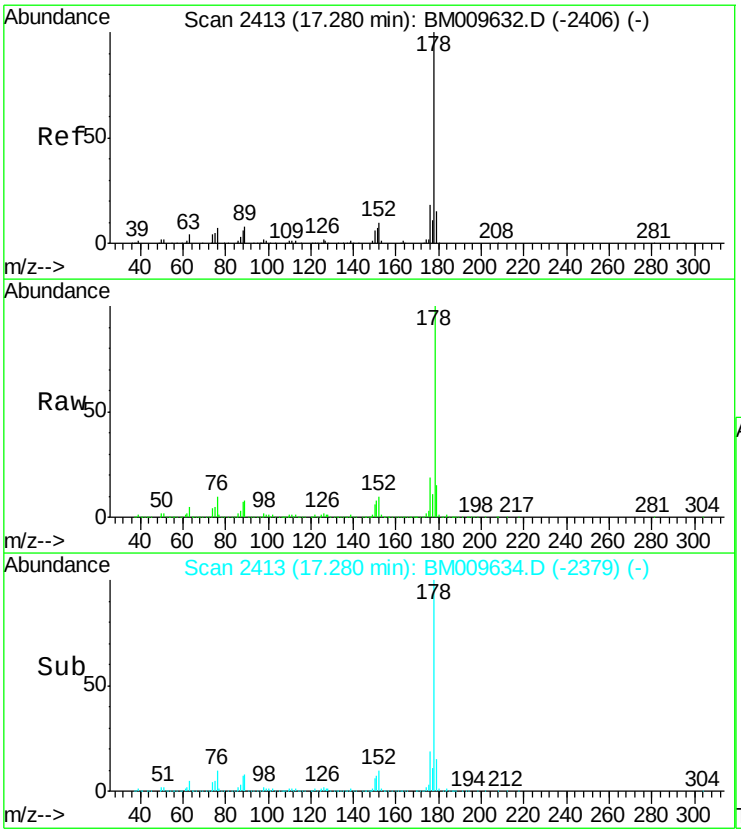
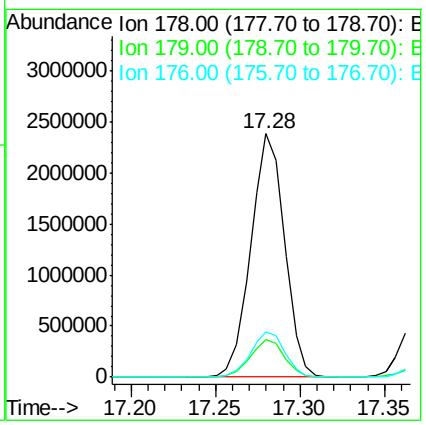
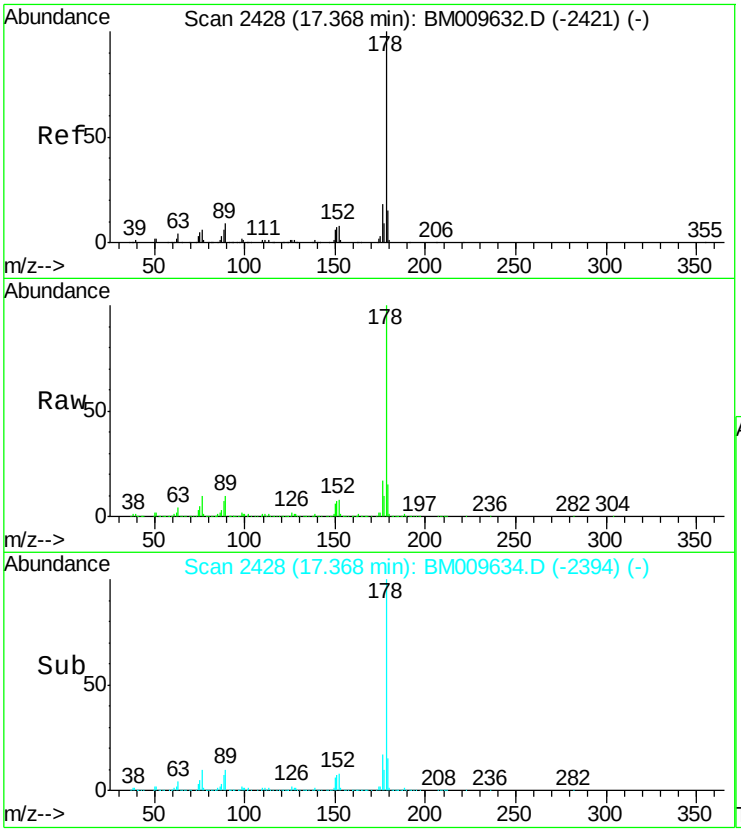


#14
Phenanthrene
Concen: 72.24 ng/ul
RT: 17.28 min Scan# 2413
Delta R.T. 0.00 min
Lab File: BM009634.D
Acq: 07 Apr 2017 18:14

Tgt Ion:178 Resp: 3312314

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.2	18.4
176	18.6	16.4	24.6

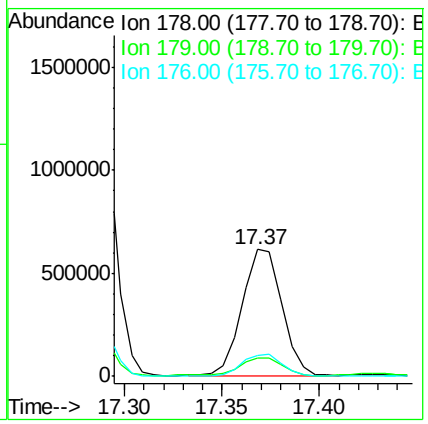




#16
Anthracene
Concen: 18.42 ng/ul
RT: 17.37 min Scan# 2428
Delta R.T. 0.00 min
Lab File: BM009634.D
Acq: 07 Apr 2017 18:14

Tgt Ion:178 Resp: 873210

Ion	Ratio	Lower	Upper
178	100		
179	14.7	12.7	19.1
176	16.9	15.8	23.8



Instrument :
BNA_M
ClientSampleId :
CB389

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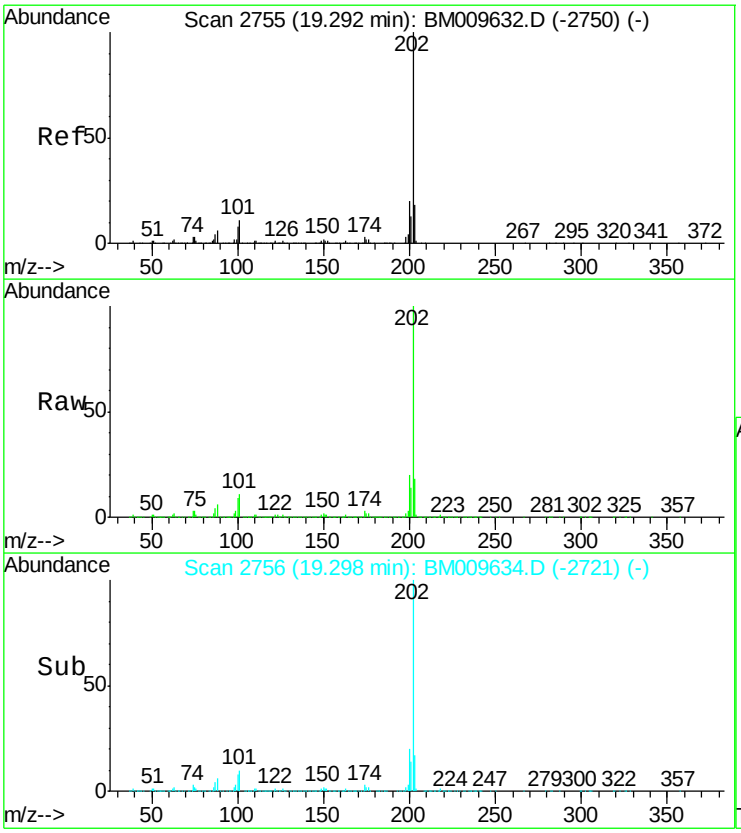
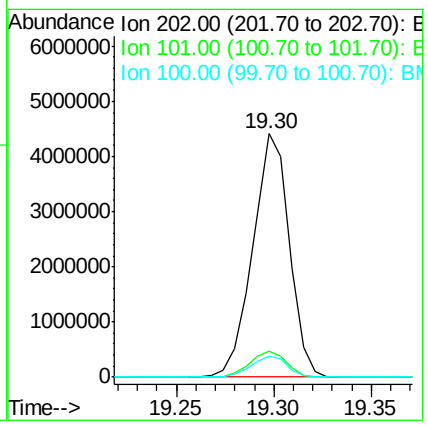
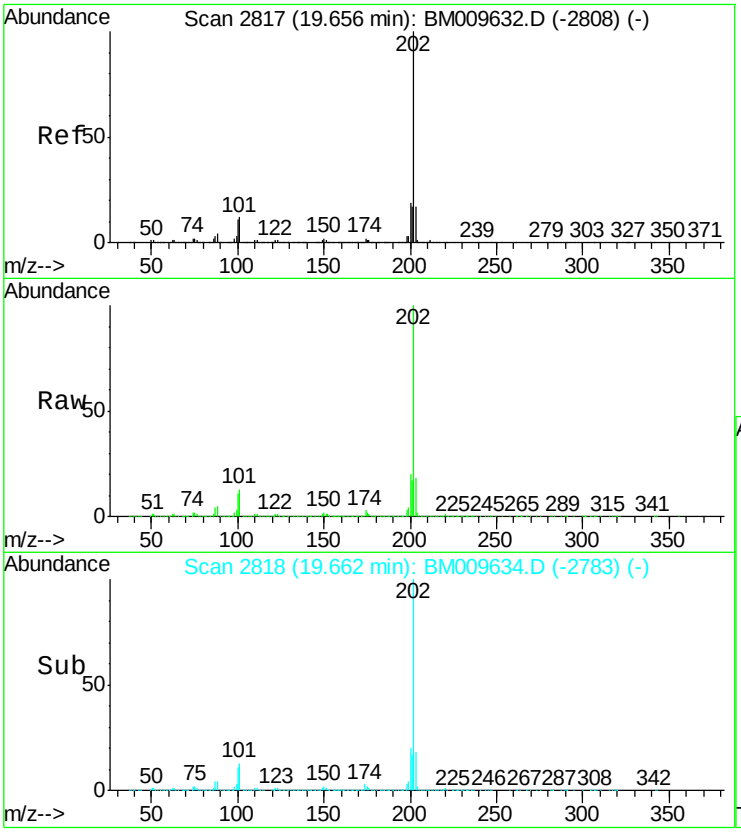


#17
Fluoranthene
Concen: 99.71 ng/ul
RT: 19.30 min Scan# 2756
Delta R.T. 0.01 min
Lab File: BM009634.D
Acq: 07 Apr 2017 18:14

Tgt Ion:202 Resp: 5693463

Ion	Ratio	Lower	Upper
202	100		
101	10.6	9.8	14.8
100	8.6	7.5	11.3

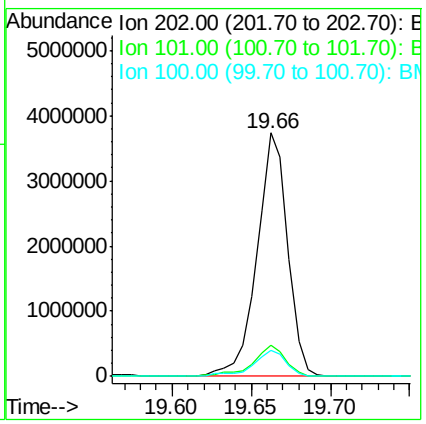




#20
Pyrene
Concen: 87.70 ng/ul
RT: 19.66 min Scan# 2818
Delta R.T. 0.01 min
Lab File: BM009634.D
Acq: 07 Apr 2017 18:14

Tgt Ion:202 Resp: 5013590

Ion	Ratio	Lower	Upper
202	100		
101	12.7	11.2	16.8
100	10.6	9.8	14.6



Instrument :
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ClientSampleId :
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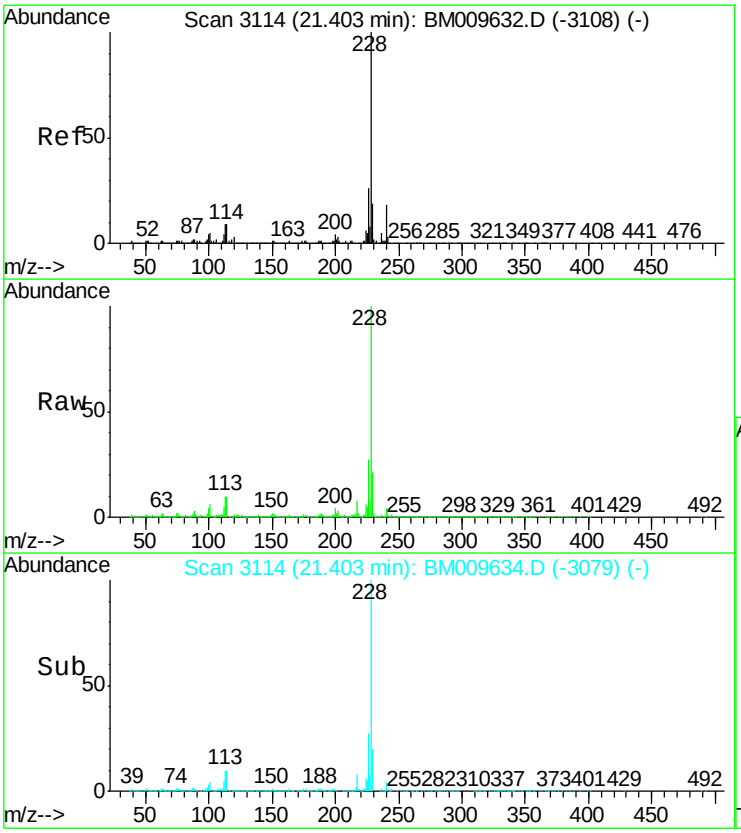
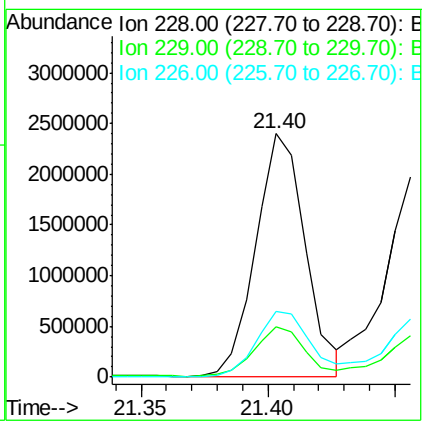
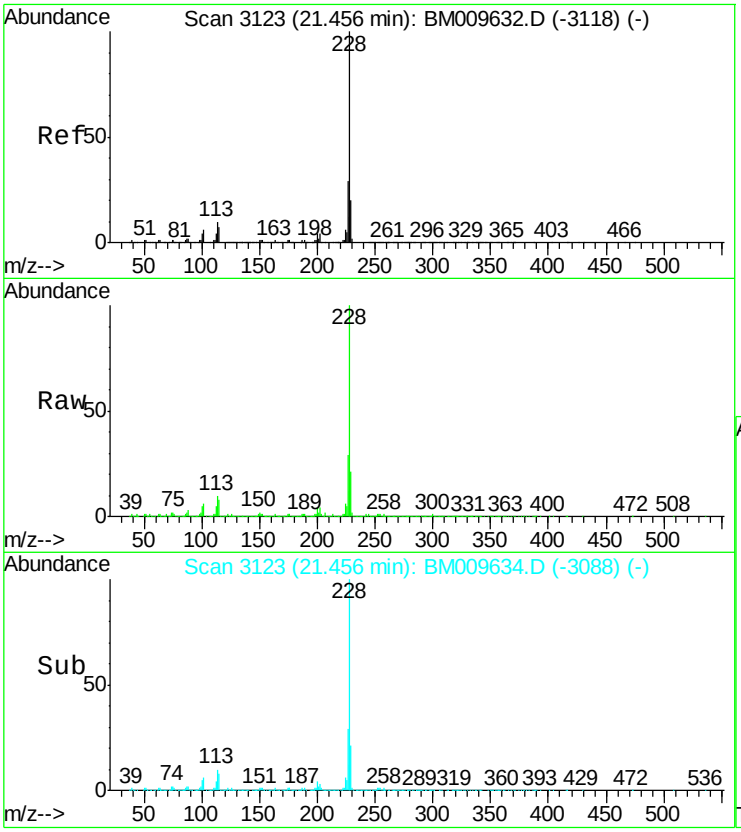


#21
Benzo(a)anthracene
Concen: 54.58 ng/ul
RT: 21.40 min Scan# 3114
Delta R.T. 0.01 min
Lab File: BM009634.D
Acq: 07 Apr 2017 18:14

Tgt Ion:228 Resp: 3239948

Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.9	23.9
226	27.1	22.1	33.1

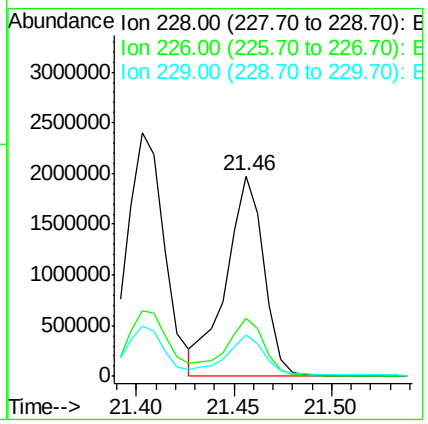




#22
Chrysene
Concen: 48.65 ng/ul
RT: 21.46 min Scan# 3123
Delta R.T. 0.01 min
Lab File: BM009634.D
Acq: 07 Apr 2017 18:14

Tgt Ion:228 Resp: 2647379

Ion	Ratio	Lower	Upper
228	100		
226	28.8	25.0	37.6
229	20.9	16.6	25.0



Instrument :
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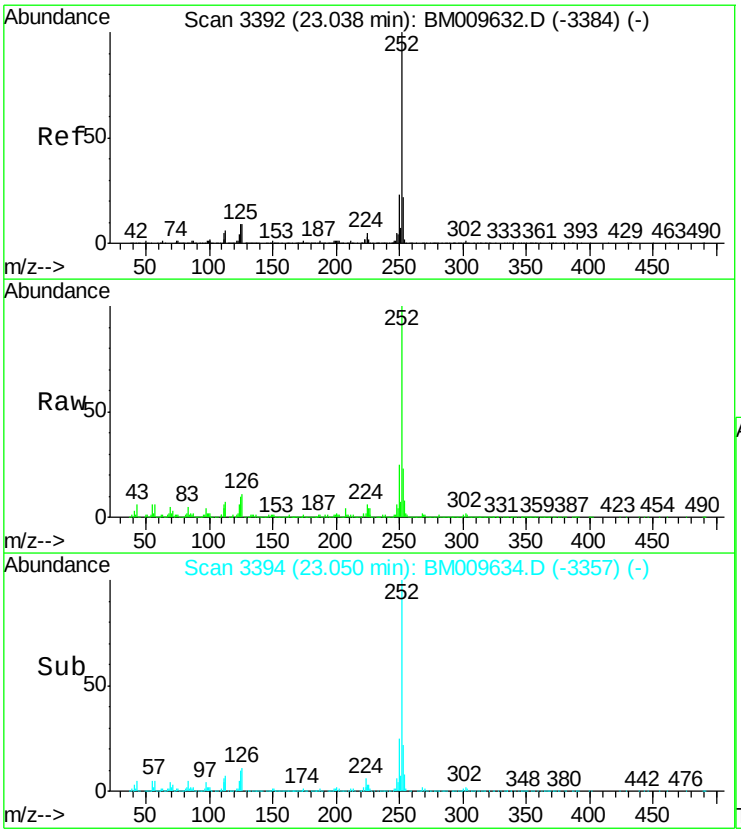
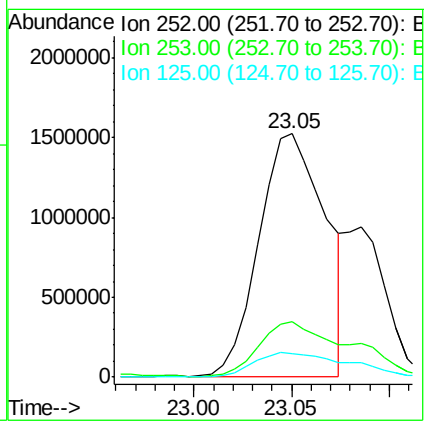
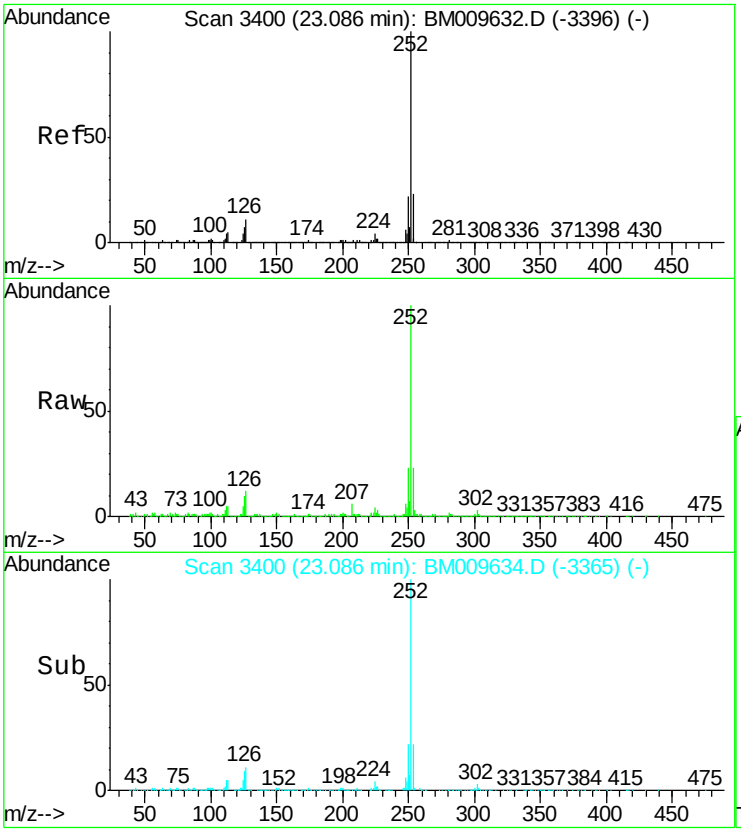


#24
Benzo(b)fluoranthene
Concen: 59.01 ng/ul
RT: 23.05 min Scan# 3394
Delta R.T. 0.02 min
Lab File: BM009634.D
Acq: 07 Apr 2017 18:14

Tgt Ion:252 Resp: 3585298

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	9.9	9.4	14.0

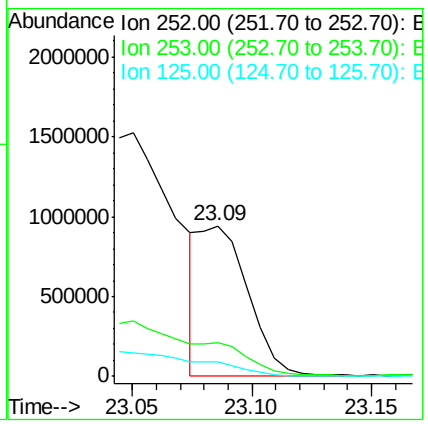




#25
Benzo(k)fluoranthene
Concen: 22.98 ng/ul m
RT: 23.09 min Scan# 3400
Delta R.T. 0.01 min
Lab File: BM009634.D
Acq: 07 Apr 2017 18:14

Tgt Ion:252 Resp: 1330443

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	9.9	8.8	13.2



Instrument :
BNA_M
ClientSampleId :
CB389

Manual Integrations APPROVED
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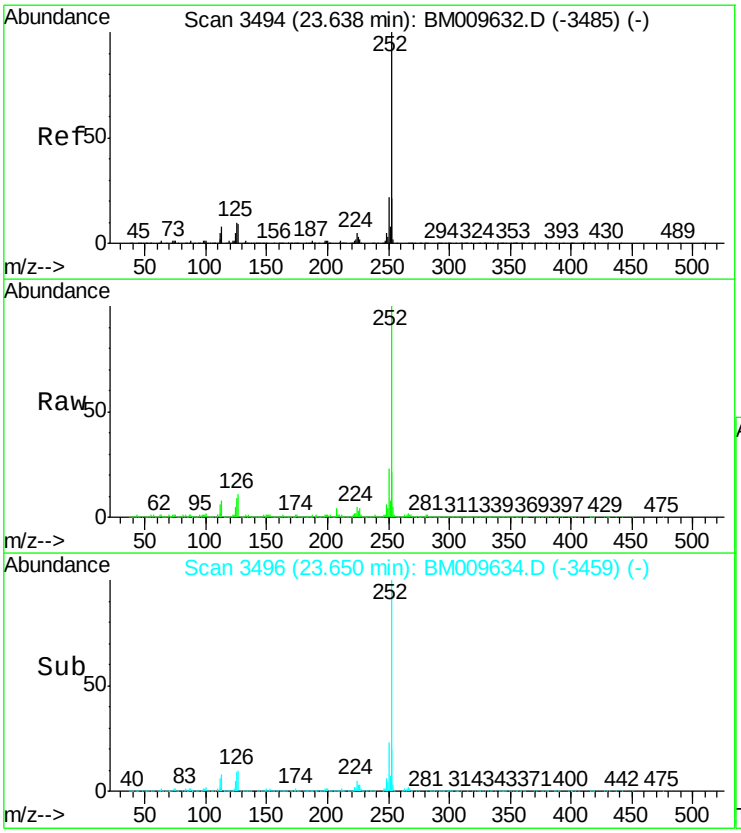
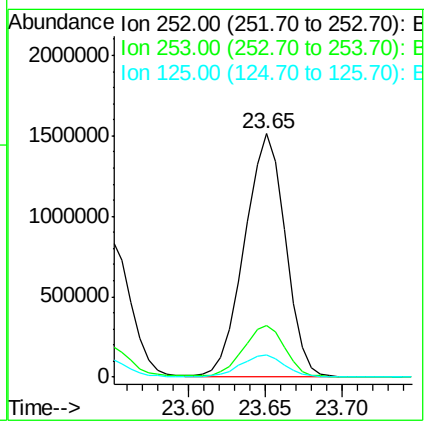
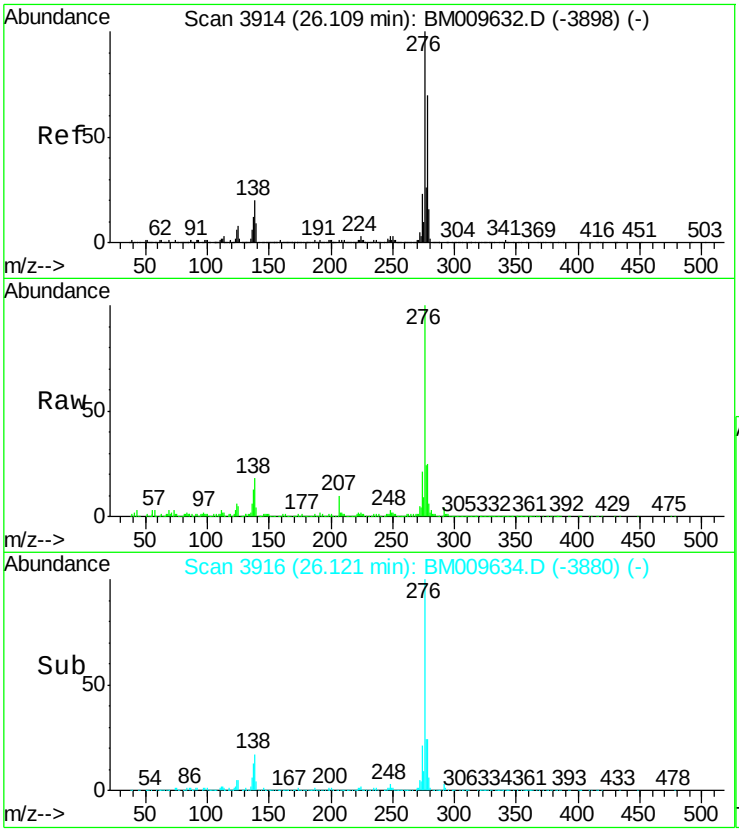


#27
Benzo(a)pyrene
Concen: 48.16 ng/ul m
RT: 23.65 min Scan# 3496
Delta R.T. 0.02 min
Lab File: BM009634.D
Acq: 07 Apr 2017 18:14

Tgt Ion:252 Resp: 2781739

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.1	25.7
125	9.2	9.4	14.2#

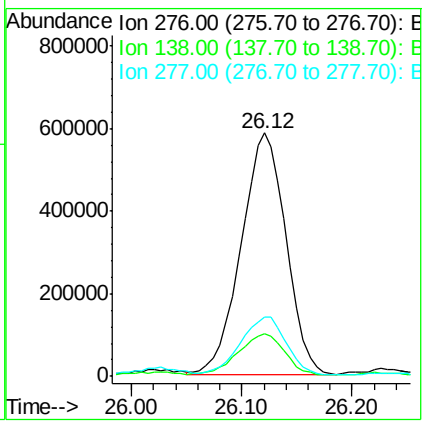




#28
Indeno(1,2,3-cd)pyrene
Concen: 25.60 ng/ul
RT: 26.12 min Scan# 3916
Delta R.T. 0.01 min
Lab File: BM009634.D
Acq: 07 Apr 2017 18:14

Tgt Ion:276 Resp: 1658178

Ion	Ratio	Lower	Upper
276	100		
138	17.5	17.8	26.6#
277	24.3	19.4	29.0



Instrument :
BNA_M
ClientSampleId :
CB389

Manual Integrations APPROVED
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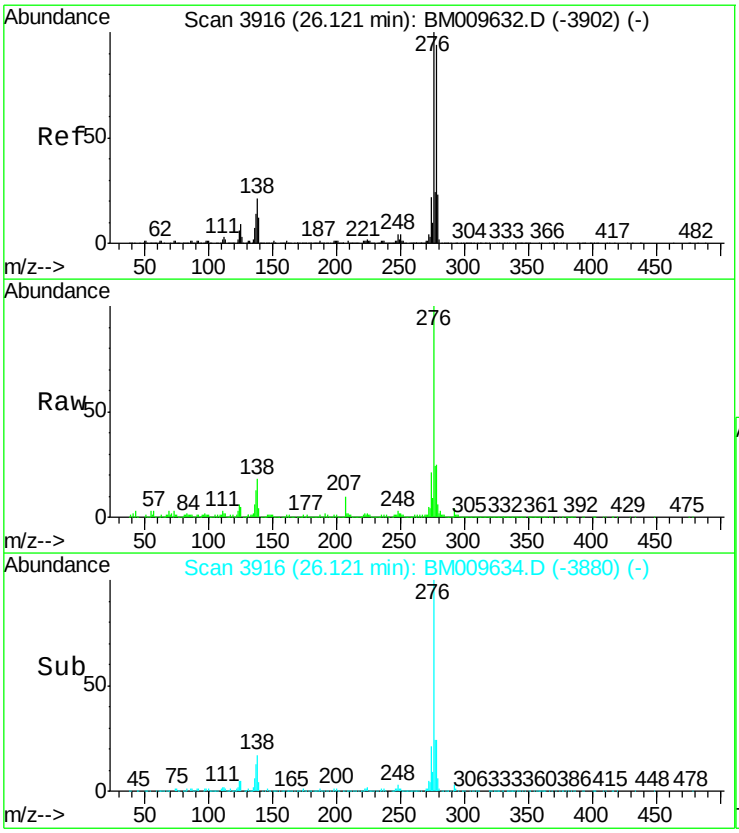
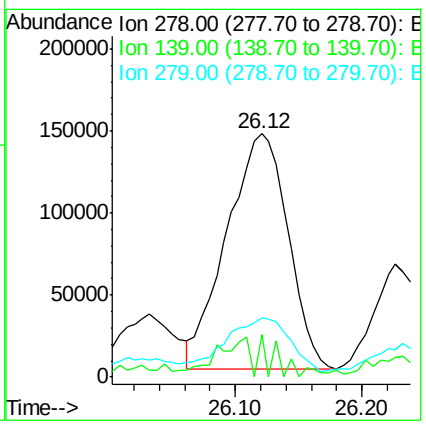
4/10/2017 1:24:02 PM

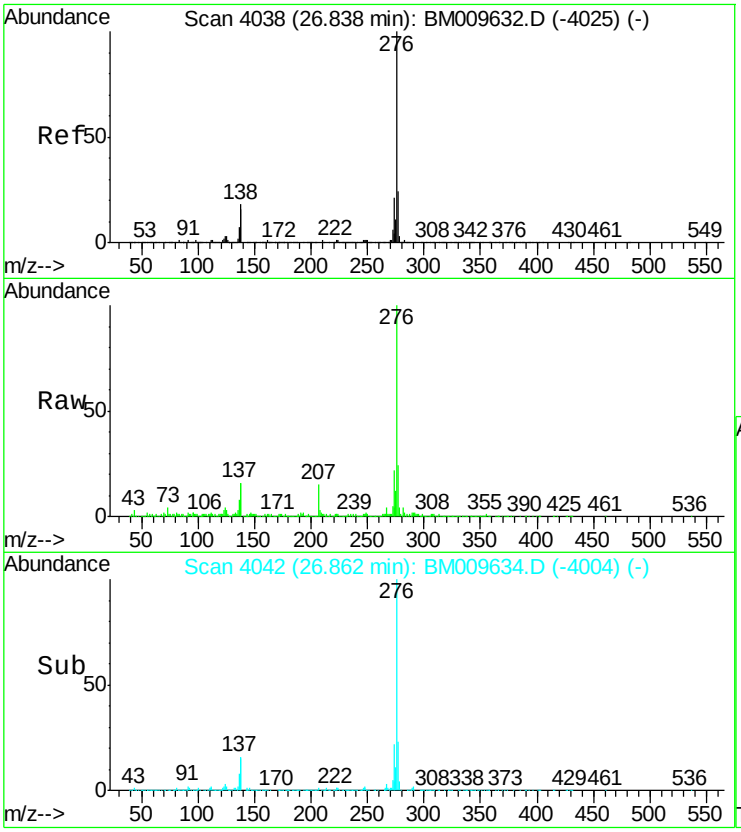


#29
Dibenzo(a,h)anthracene
Concen: 8.72 ng/ul
RT: 26.12 min Scan# 3916
Delta R.T. 0.01 min
Lab File: BM009634.D
Acq: 07 Apr 2017 18:14

Tgt Ion:278 Resp: 480249

Ion	Ratio	Lower	Upper
278	100		
139	17.4	14.0	21.0
279	24.4	20.6	31.0

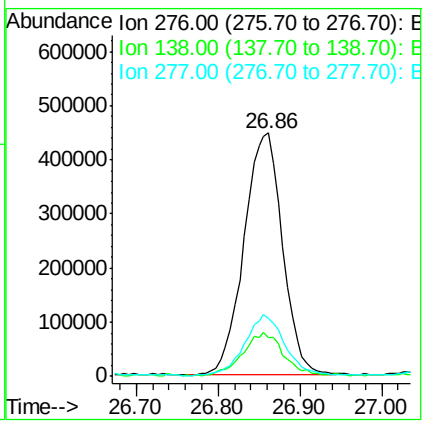




#30
Benzo(g,h,i)perylene
Concen: 27.50 ng/ul
RT: 26.86 min Scan# 4042
Delta R.T. 0.02 min
Lab File: BM009634.D
Acq: 07 Apr 2017 18:14

Tgt Ion:276 Resp: 1468653

Ion	Ratio	Lower	Upper
276	100		
138	15.9	19.0	28.4#
277	23.8	19.7	29.5



Instrument :
BNA_M
ClientSampleId :
CB389

Manual Integrations APPROVED
mohammad
4/10/2017 1:24:02 PM