Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005593.D
Acq On : 22 May 2016 19:02
Operator : UM/SJ
Sample : H3087-11MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 23 06:50:28 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 23 05:32:02 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
JHGK4MSD

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	48382	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	236084	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	149388	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	367677	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	497443	20.00	ng/ul	0.00
83) Perylene-d12	23.64	264	603150	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.29	96	5549	5.02	ng/uL	0.00
5) Phenol-d5	6.98	99	107092	27.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	61545	26.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	85598	25.87	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	57150	17.59	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	45737	25.34	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	52136	26.24	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	92504	24.72	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	82238	21.94	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	331587	27.19	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	401882	26.36	ng/ul	0.00
51) 4-Nitrophenol-d4	14.65	143	51862	22.48	ng/ul	0.00
57) Fluorene-d10	15.43	176	296651	27.96	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	38959	18.42	ng/ul	0.00
70) Anthracene-d10	17.29	188	476731	27.22	ng/ul	0.00
76) Pyrene-d10	19.58	212	562673	24.98	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.50	264	752717	26.73	ng/ul	0.00
Target Compounds						Qvalue
6) Phenol	7.00	94	131025	32.07	ng/ul	99
10) 2-Chlorophenol	7.38	128	83858	25.26	ng/ul	97
14) Acetophenone	8.63	105	24247	4.96	ng/ul	96
15) N-Nitroso-di-n-propylamine	8.61	70	78998	30.57	ng/ul	99
33) 4-Chloro-3-methylphenol	11.89	107	101799	25.19	ng/ul	96
34) 2-Methylnaphthalene	12.26	142	12218	1.41	ng/ul	99
40) 1,1'-Biphenyl	13.27	154	12711	1.01	ng/ul	98
44) Dimethylphthalate	13.90	163	68534	5.69	ng/ul	99
47) Acenaphthylene	14.17	152	60614	3.91	ng/ul	98
49) Acenaphthene	14.51	153	425990	41.71	ng/ul	99
52) 4-Nitrophenol	14.66	109	56679	24.45	ng/ul	98
53) Dibenzofuran	14.85	168	193664	13.28	ng/ul	98
54) 2,4-Dinitrotoluene	14.81	165	108154	30.42	ng/ul	94
58) Fluorene	15.49	166	273256	23.41	ng/ul	99
68) Pentachlorophenol	16.84	266	62662	22.37	ng/ul	98
69) Phenanthrene	17.24	178	4690517	228.26	ng/ul	99
71) Anthracene	17.32	178	449577	21.47	ng/ul	100
72) Carbazole	17.59	167	315383	17.35	ng/ul	100
74) Fluoranthene	19.26	202	7634157	330.06	ng/ul	97
77) Pyrene	19.62	202	5816469	203.40	ng/ul	94
80) Benzo(a)anthracene	21.35	228	1301718	44.52	ng/ul	96
82) Chrysene	21.40	228	2136353	76.80	ng/ul	97
85) Benzo(b)fluoranthene	22.96	252	1484410	41.73	ng/ul	98

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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: May 23 06:50:28 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 23 05:32:02 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) Benzo(k)fluoranthene	23.00	252	589147m	17.49	ng/ul	
88) Benzo(a)pyrene	23.54	252	619477	17.95	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.94	276	377721	9.22	ng/ul	97
90) Dibenzo(a,h)anthracene	25.94	278	95116	2.79	ng/ul#	83
91) Benzo(g,h,i)perylene	26.64	276	279631	8.11	ng/ul	100

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

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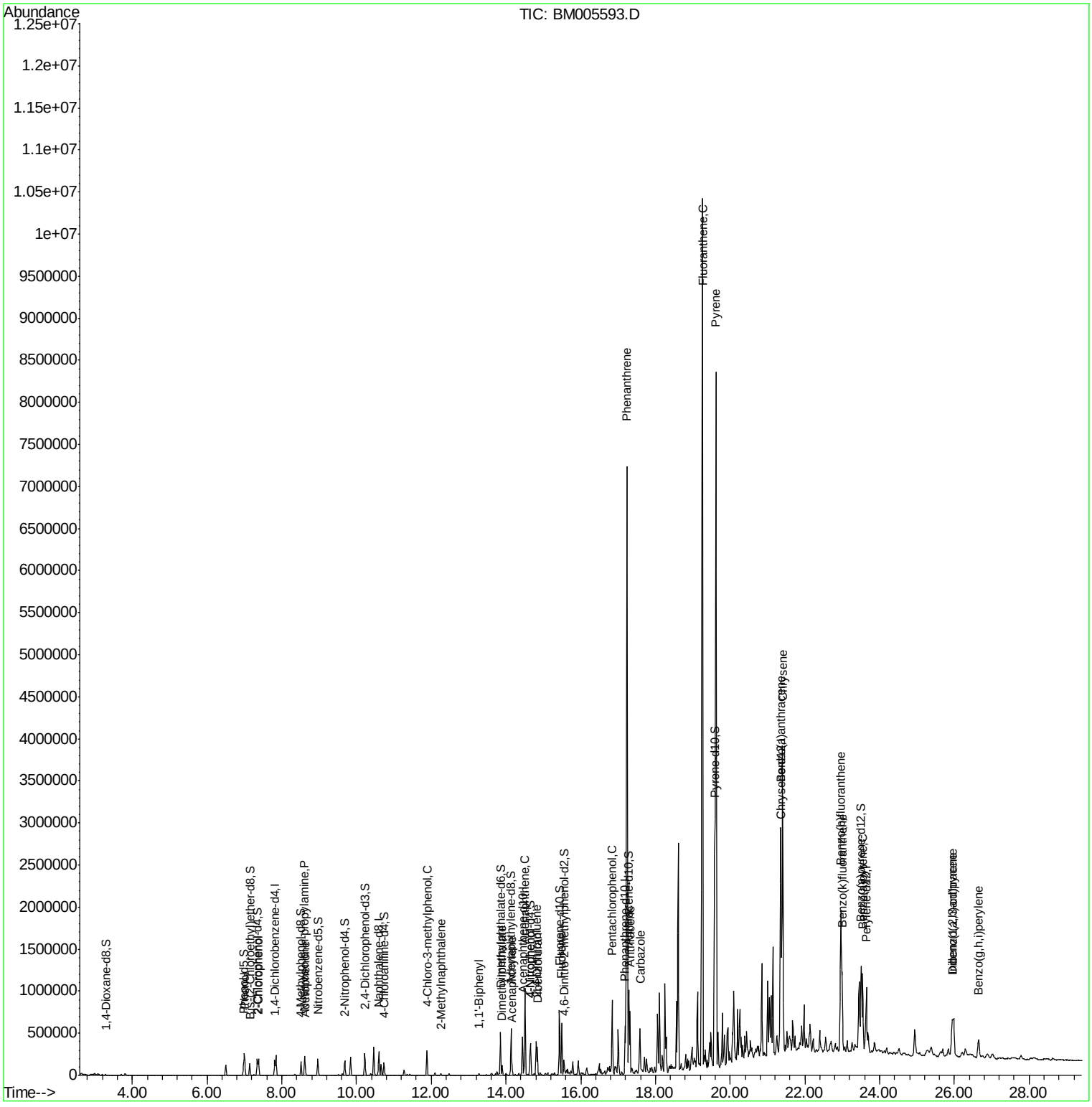
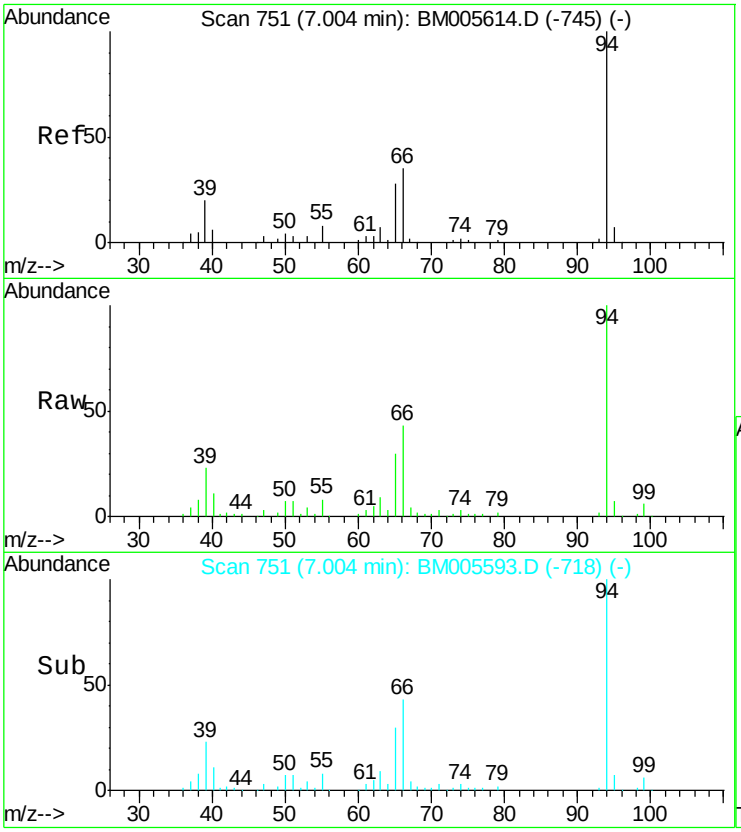
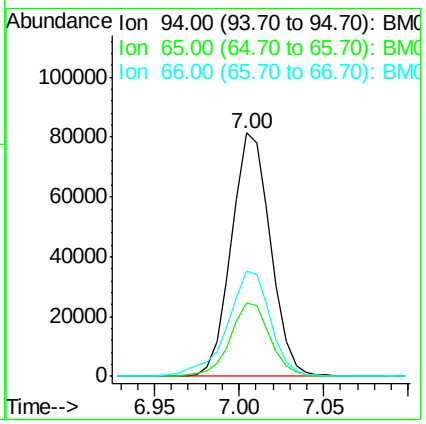




#6
Phenol
Concen: 32.07 ng/ul
RT: 7.00 min Scan# 751
Delta R.T. -0.01 min
Lab File: BM005593.D
Acq: 22 May 2016 19:02

Tgt Ion: 94 Resp: 131025

Ion	Ratio	Lower	Upper
94	100		
65	30.2	24.2	36.2
66	43.2	33.9	50.9



Instrument :
BNA_M
ClientSampleId :
JHGK4MSD

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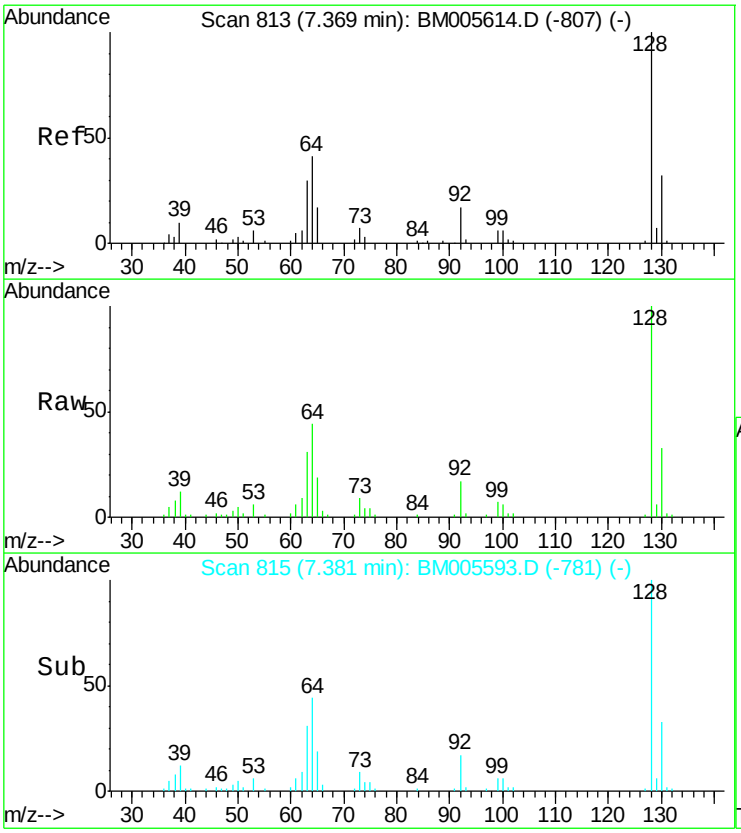
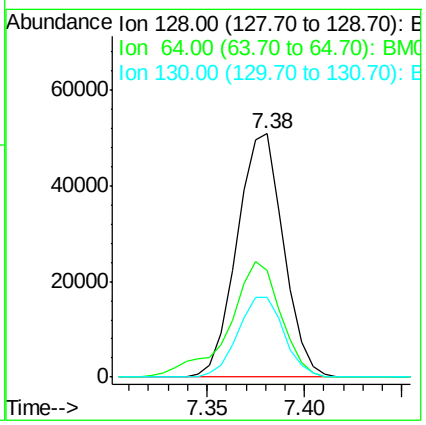
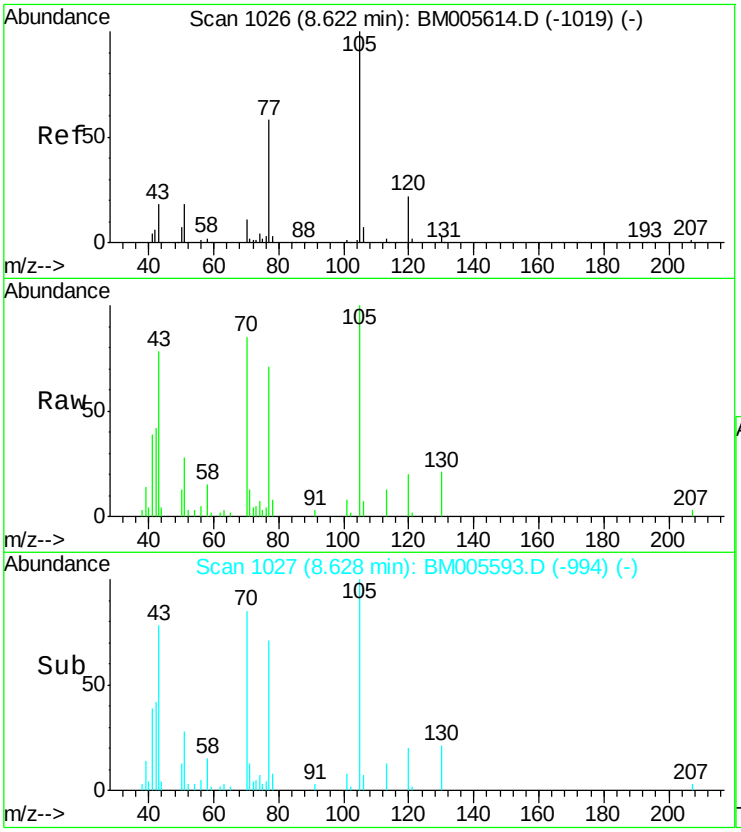


#10
2-Chlorophenol
Concen: 25.26 ng/ul
RT: 7.38 min Scan# 815
Delta R.T. -0.00 min
Lab File: BM005593.D
Acq: 22 May 2016 19:02

Tgt Ion:128 Resp: 83858

Ion	Ratio	Lower	Upper
128	100		
64	43.5	37.3	55.9
130	32.6	26.6	40.0

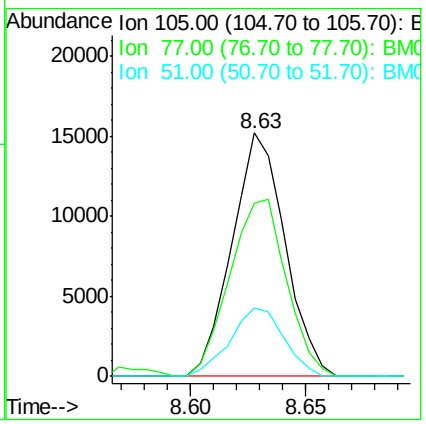




#14
Acetophenone
Concen: 4.96 ng/ul
RT: 8.63 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BM005593.D
Acq: 22 May 2016 19:02

Tgt Ion:105 Resp: 24247

Ion	Ratio	Lower	Upper
105	100		
77	71.3	60.8	91.2
51	27.8	22.2	33.2



Instrument :
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ClientSampleId :
JHGK4MSD

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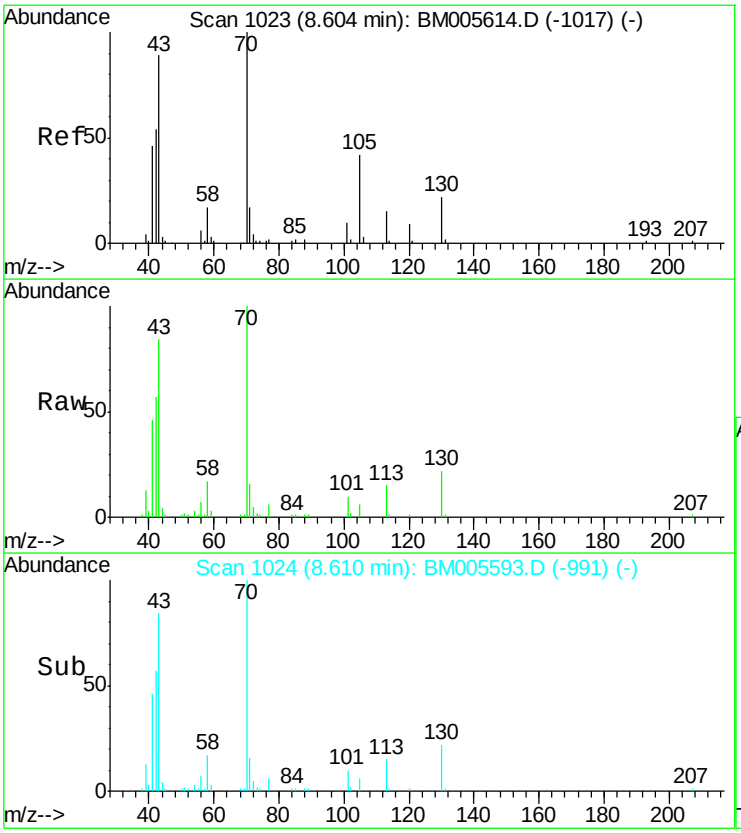
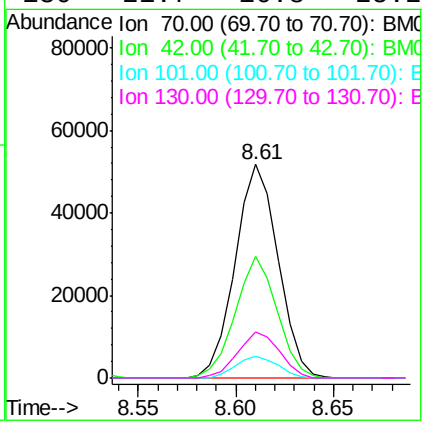
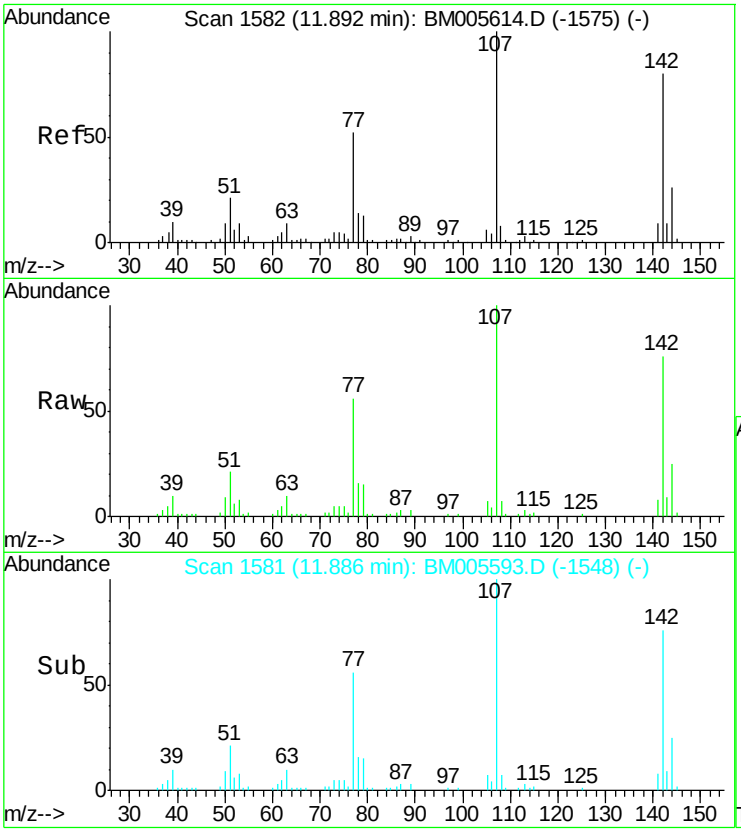


#15
N-Nitroso-di-n-propylamine
Concen: 30.57 ng/ul
RT: 8.61 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BM005593.D
Acq: 22 May 2016 19:02

Tgt Ion: 70 Resp: 78998

Ion	Ratio	Lower	Upper
70	100		
42	56.7	46.1	69.1
101	10.1	8.0	12.0
130	21.7	16.8	25.2

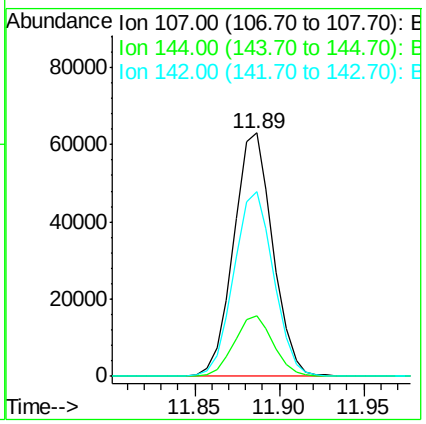




#33
4-Chloro-3-methylphenol
Concen: 25.19 ng/ul
RT: 11.89 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BM005593.D
Acq: 22 May 2016 19:02

Tgt Ion:107 Resp: 101799

Ion	Ratio	Lower	Upper
107	100		
144	24.7	20.6	31.0
142	75.8	63.5	95.3



Instrument :
BNA_M
ClientSampleId :
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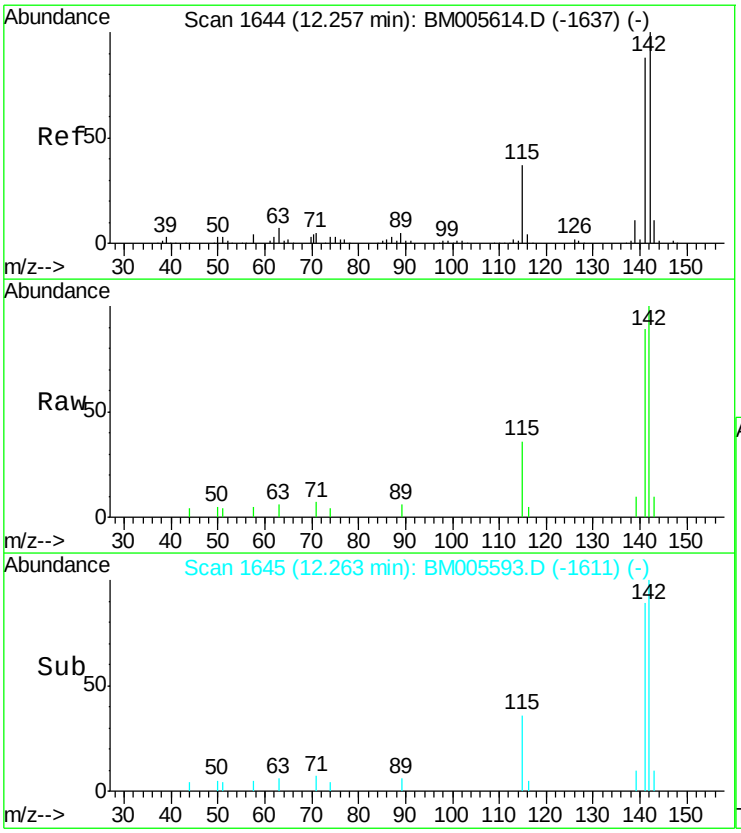
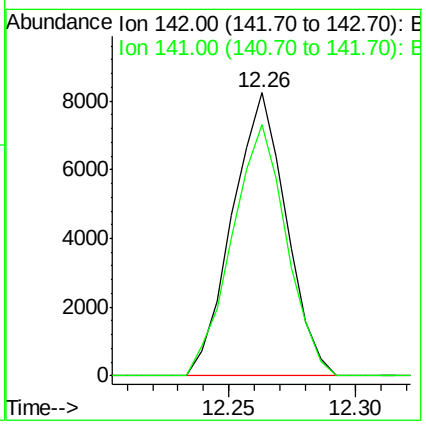
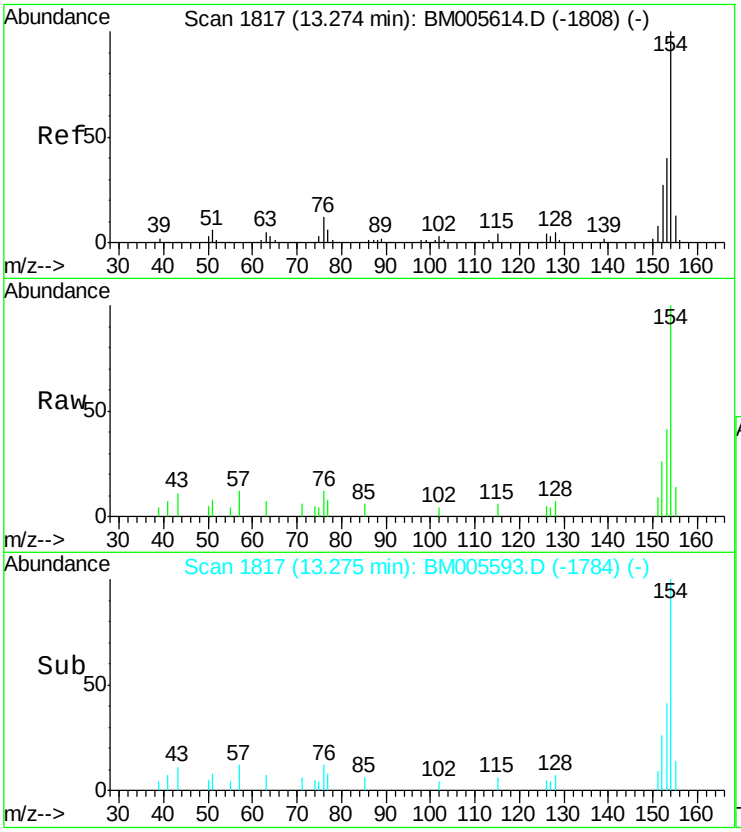


#34
2-Methylnaphthalene
Concen: 1.41 ng/ul
RT: 12.26 min Scan# 1645
Delta R.T. -0.00 min
Lab File: BM005593.D
Acq: 22 May 2016 19:02

Tgt Ion:142 Resp: 12218

Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.6	106.0

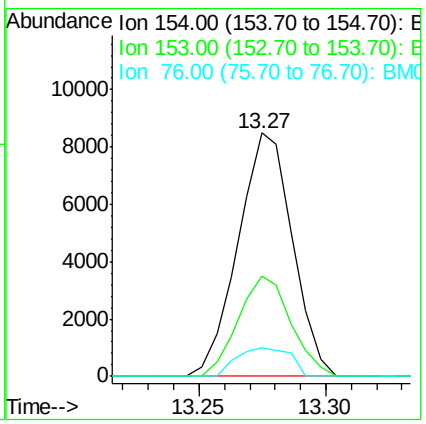




#40
1,1'-Biphenyl
Concen: 1.01 ng/ul
RT: 13.27 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BM005593.D
Acq: 22 May 2016 19:02

Tgt Ion:154 Resp: 12711

Ion	Ratio	Lower	Upper
154	100		
153	41.1	31.7	47.5
76	11.9	10.1	15.1



Instrument :
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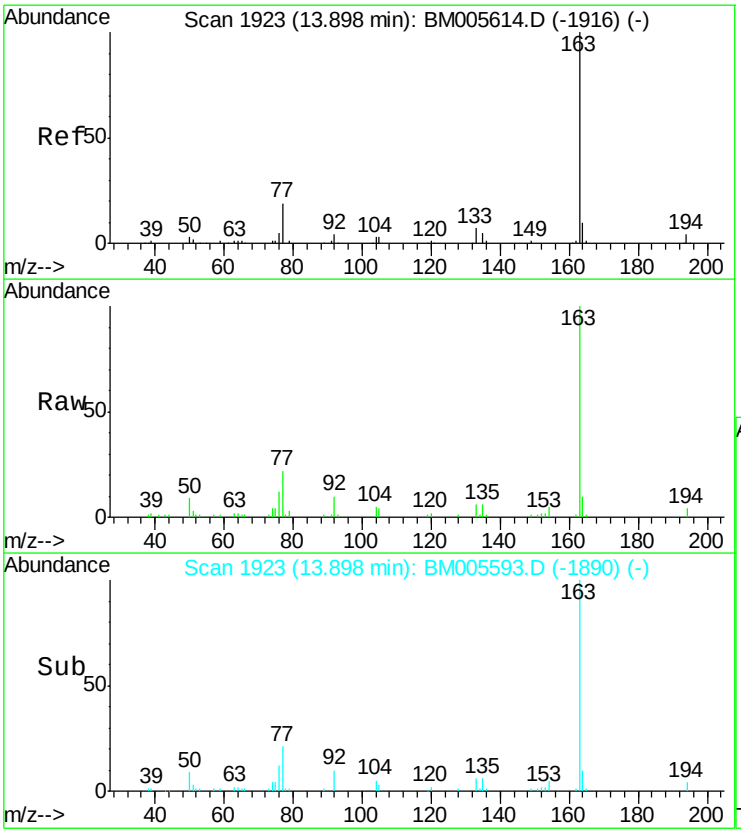
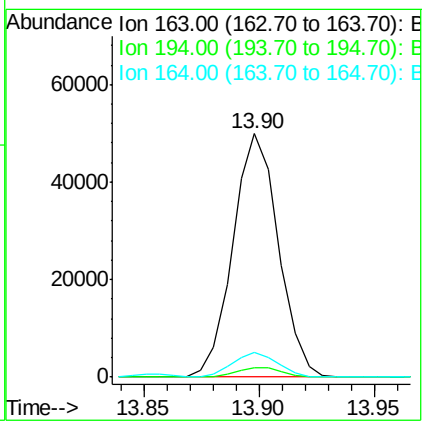
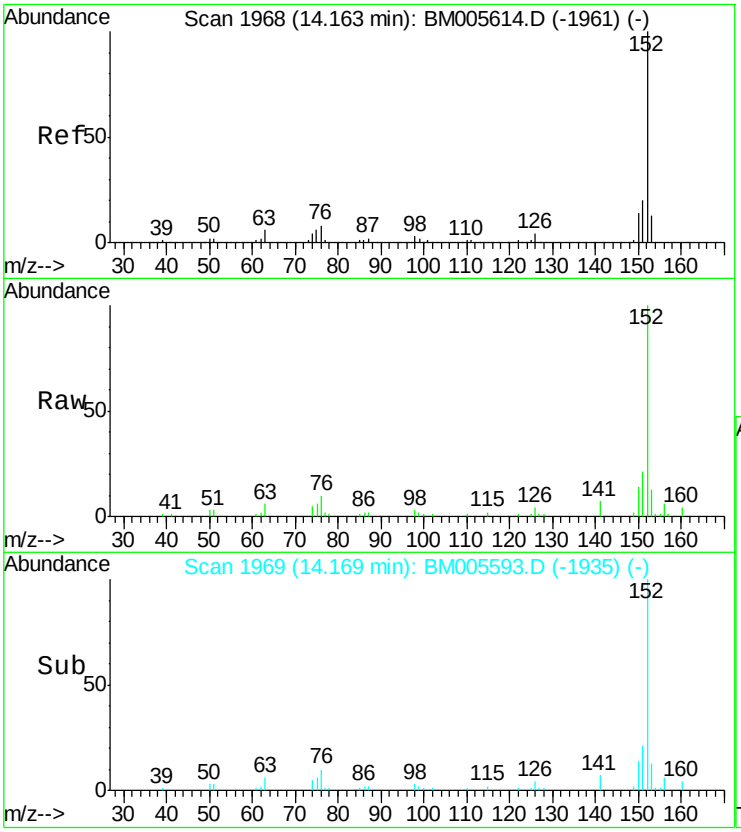


#44
Dimethylphthalate
Concen: 5.69 ng/ul
RT: 13.90 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BM005593.D
Acq: 22 May 2016 19:02

Tgt Ion:163 Resp: 68534

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.4	5.0
164	10.2	8.0	12.0

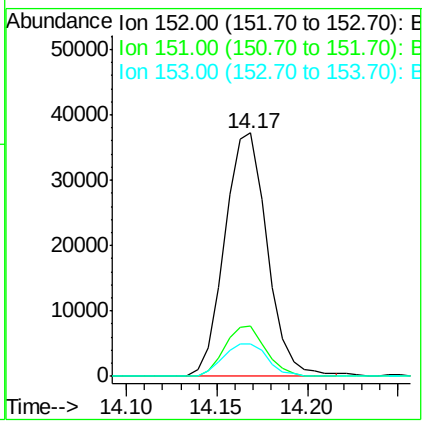




#47
Acenaphthylene
Concen: 3.91 ng/ul
RT: 14.17 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BM005593.D
Acq: 22 May 2016 19:02

Tgt Ion:152 Resp: 60614

Ion	Ratio	Lower	Upper
152	100		
151	20.9	15.7	23.5
153	13.1	10.5	15.7



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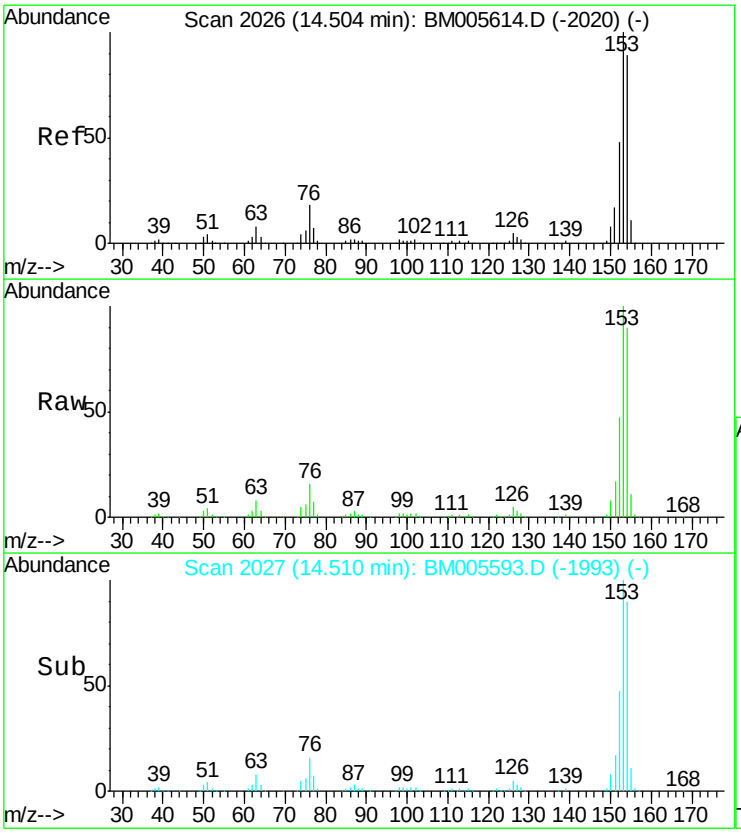
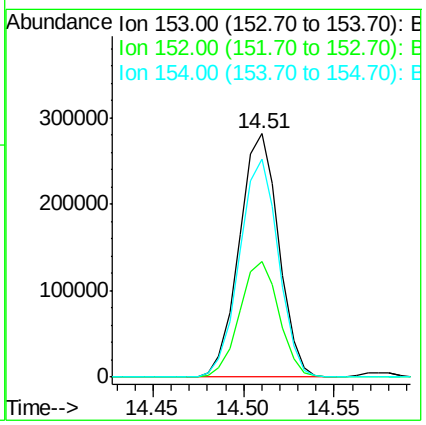
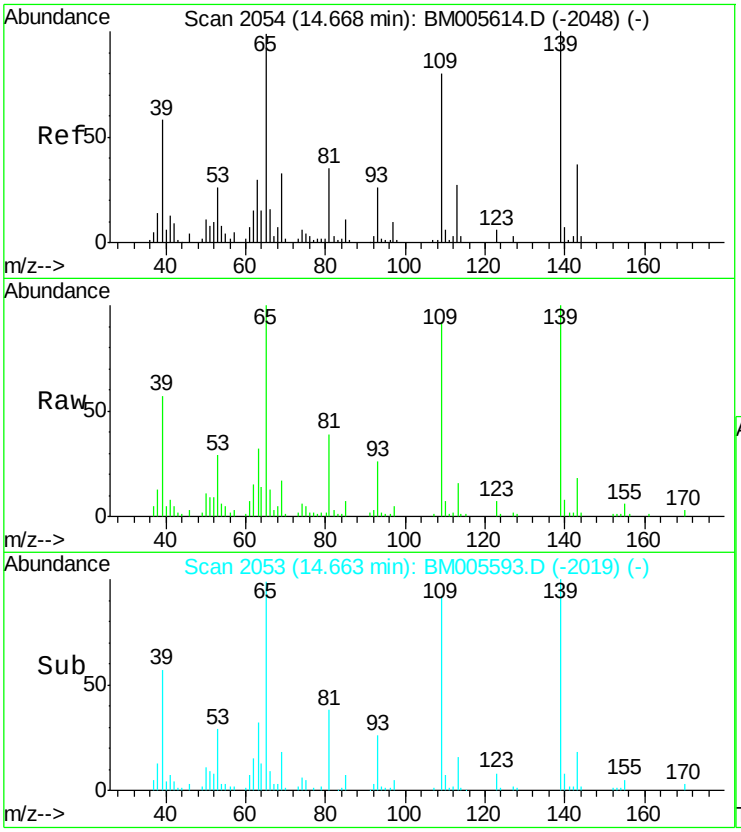


#49
Acenaphthene
Concen: 41.71 ng/ul
RT: 14.51 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BM005593.D
Acq: 22 May 2016 19:02

Tgt Ion:153 Resp: 425990

Ion	Ratio	Lower	Upper
153	100		
152	47.3	37.8	56.6
154	89.6	71.1	106.7

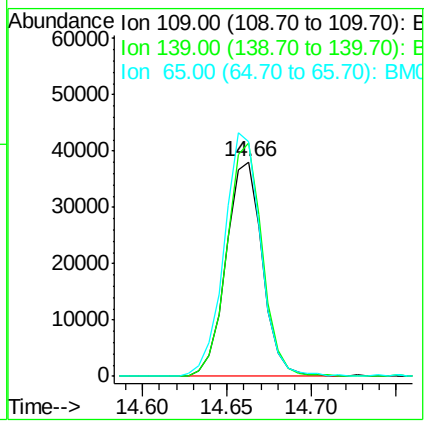




#52
4-Nitrophenol
Concen: 24.45 ng/ul
RT: 14.66 min Scan# 2053
Delta R.T. -0.00 min
Lab File: BM005593.D
Acq: 22 May 2016 19:02

Tgt Ion:109 Resp: 56679

Ion	Ratio	Lower	Upper
109	100		
139	108.8	87.5	131.3
65	109.3	90.2	135.2



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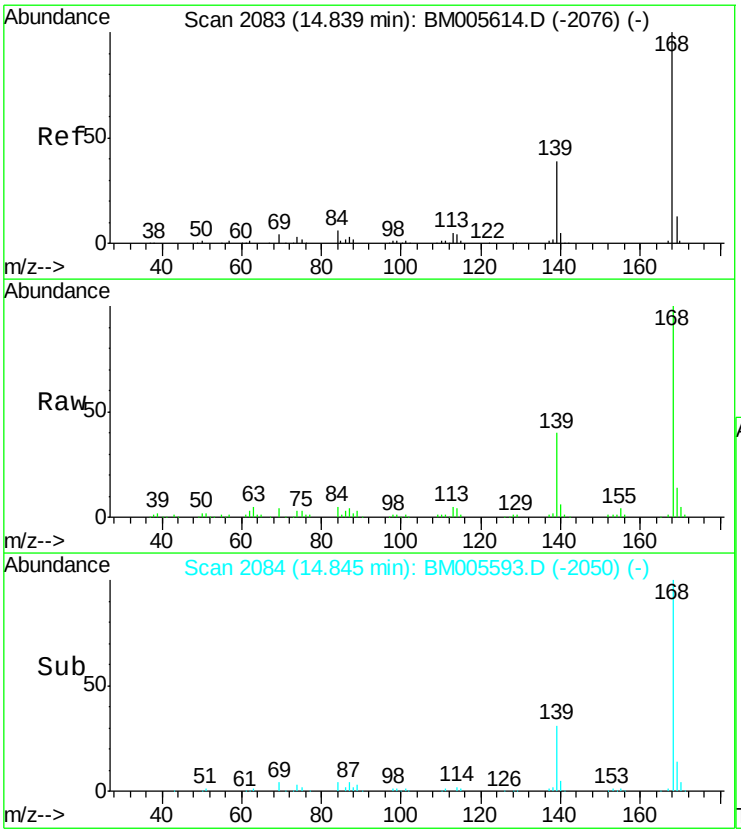
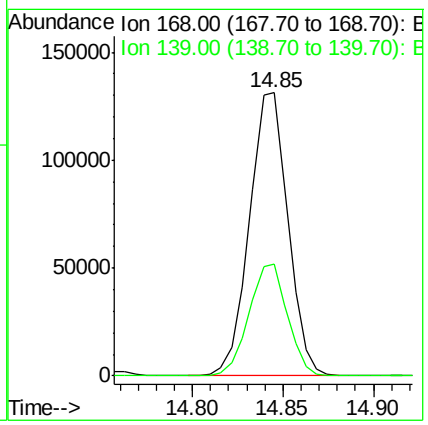
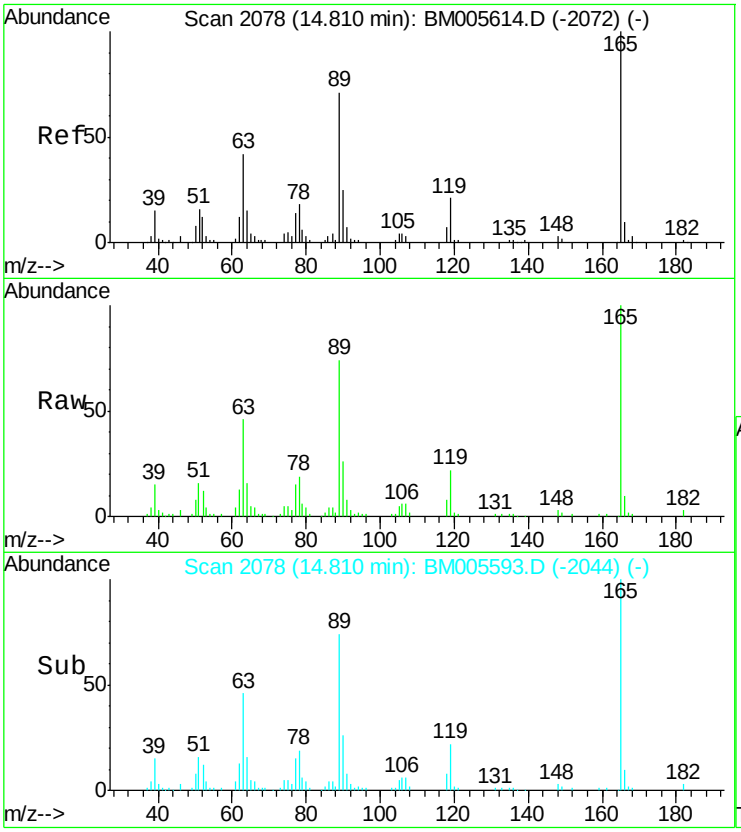


#53
Dibenzofuran
Concen: 13.28 ng/ul
RT: 14.85 min Scan# 2084
Delta R.T. -0.00 min
Lab File: BM005593.D
Acq: 22 May 2016 19:02

Tgt Ion:168 Resp: 193664

Ion	Ratio	Lower	Upper
168	100		
139	39.5	30.6	46.0

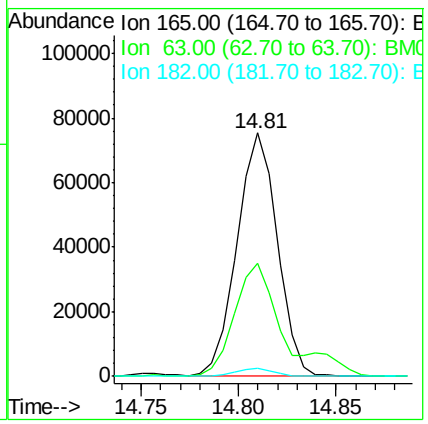




#54
2,4-Dinitrotoluene
Concen: 30.42 ng/ul
RT: 14.81 min Scan# 2078
Delta R.T. -0.00 min
Lab File: BM005593.D
Acq: 22 May 2016 19:02

Tgt Ion:165 Resp: 108154

Ion	Ratio	Lower	Upper
165	100		
63	46.2	33.9	50.9
182	3.3	2.3	3.5



Instrument :
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ClientSampleId :
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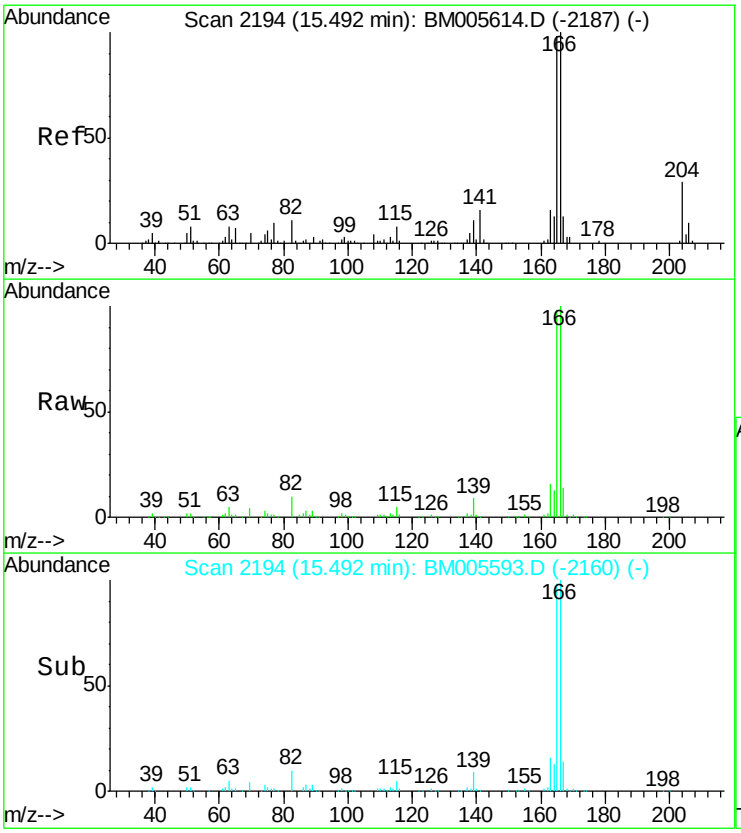
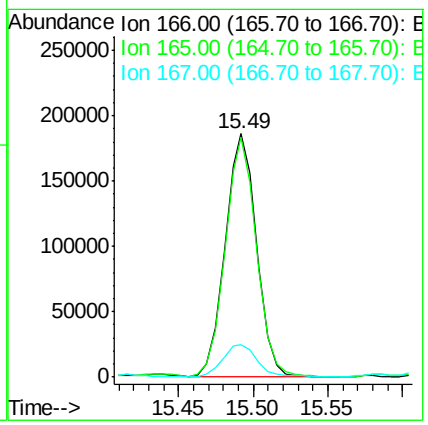
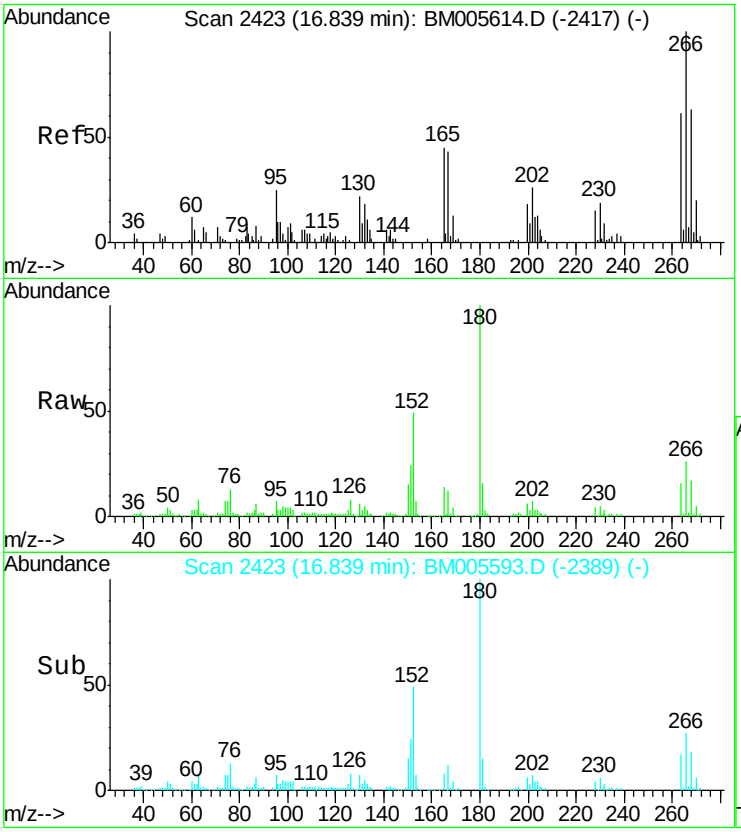


#58
Fluorene
Concen: 23.41 ng/ul
RT: 15.49 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BM005593.D
Acq: 22 May 2016 19:02

Tgt Ion:166 Resp: 273256

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.0	117.0
167	13.6	10.5	15.7

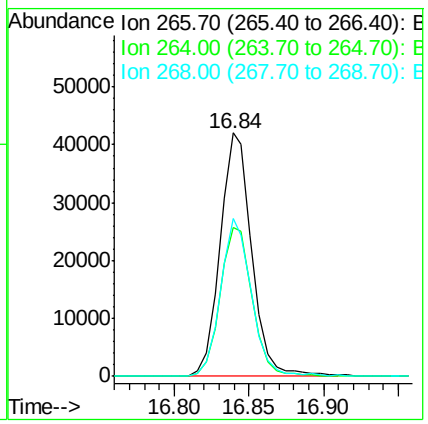




#68
Pentachlorophenol
Concen: 22.37 ng/ul
RT: 16.84 min Scan# 2423
Delta R.T. -0.00 min
Lab File: BM005593.D
Acq: 22 May 2016 19:02

Tgt Ion:266 Resp: 62662

Ion	Ratio	Lower	Upper
266	100		
264	61.2	50.9	76.3
268	65.0	52.8	79.2



Instrument :
BNA_M
ClientSampleId :
JHGK4MSD

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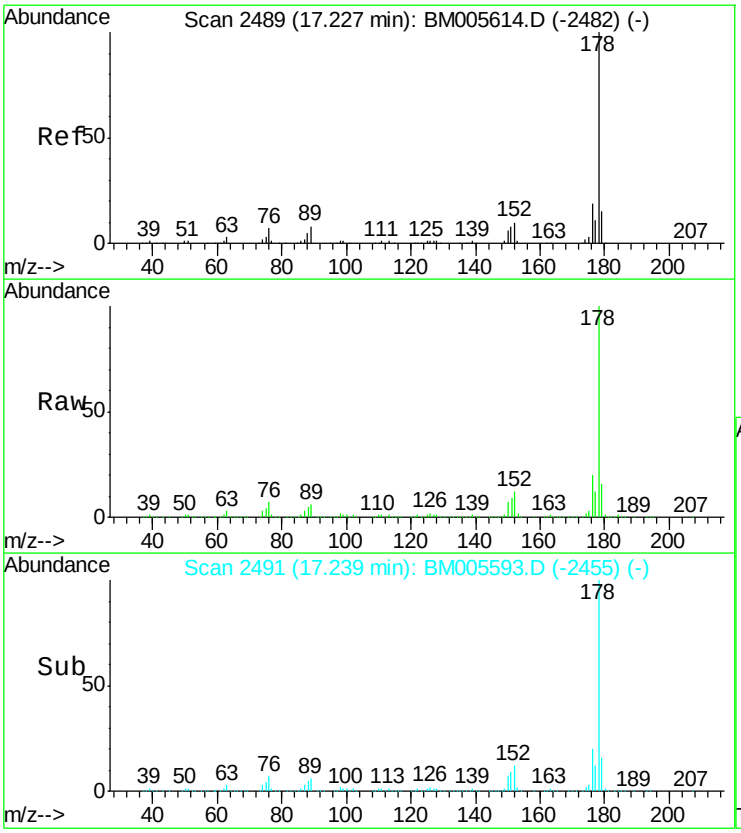
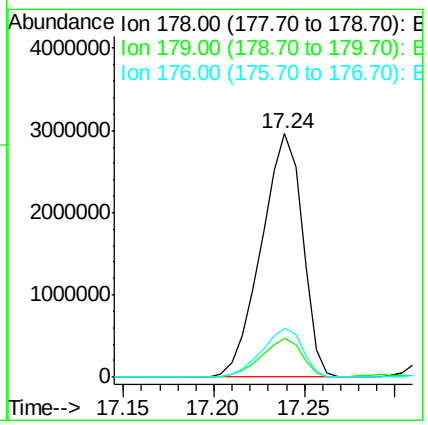
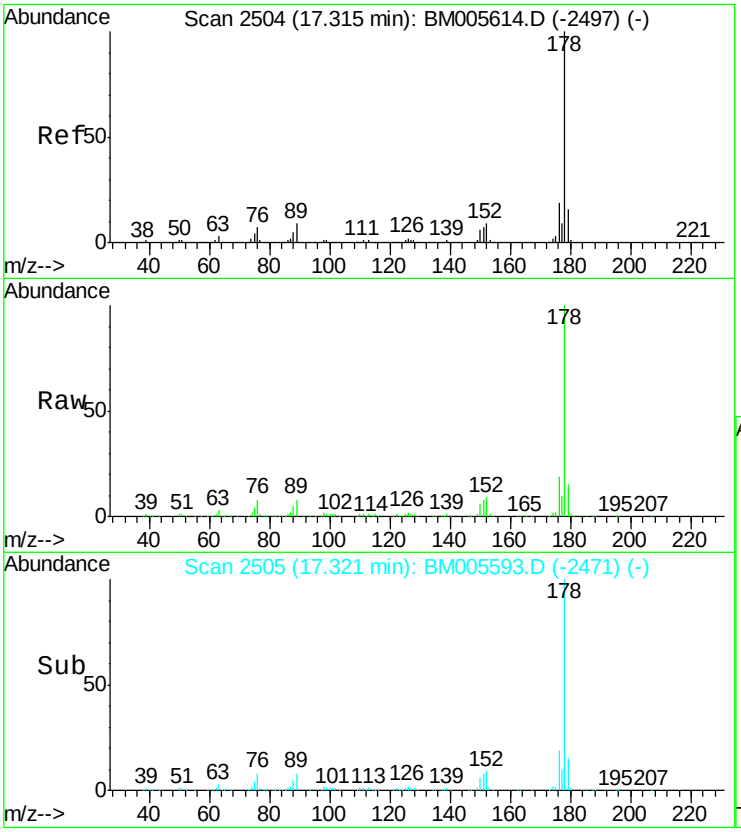


#69
Phenanthrene
Concen: 228.26 ng/ul
RT: 17.24 min Scan# 2491
Delta R.T. 0.01 min
Lab File: BM005593.D
Acq: 22 May 2016 19:02

Tgt Ion:178 Resp: 4690517

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.2	18.2
176	20.2	15.8	23.6

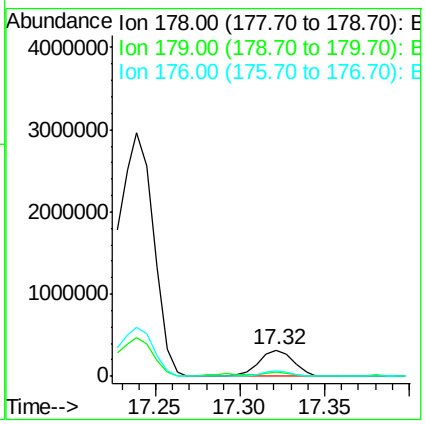




#71
Anthracene
Concen: 21.47 ng/ul
RT: 17.32 min Scan# 2505
Delta R.T. -0.00 min
Lab File: BM005593.D
Acq: 22 May 2016 19:02

Tgt Ion:178 Resp: 449577

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.6	18.8
176	18.6	15.0	22.4



Instrument :
BNA_M
ClientSampleId :
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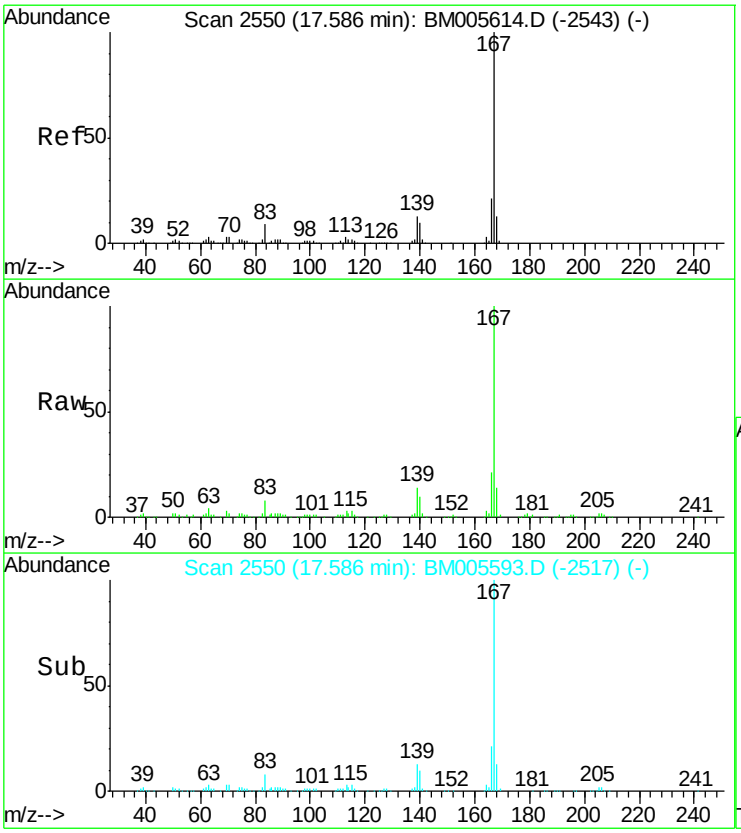
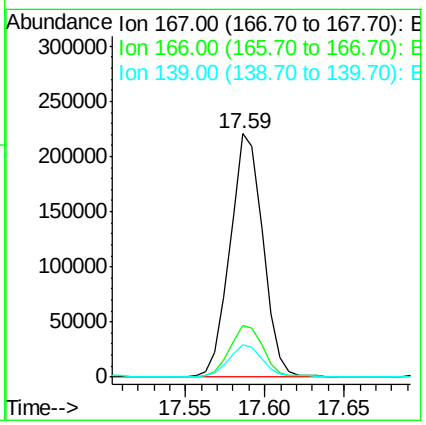
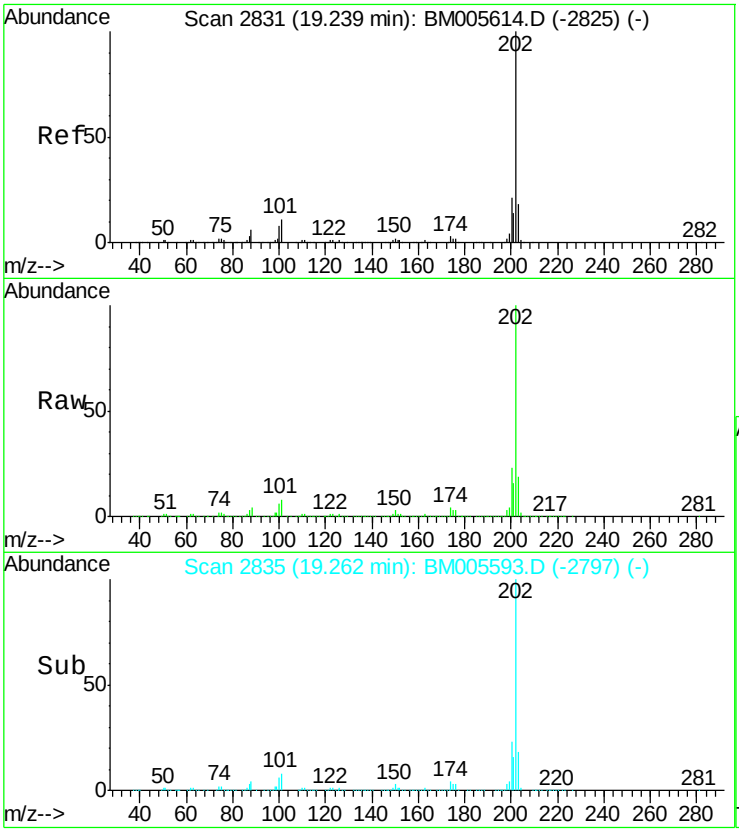


#72
Carbazole
Concen: 17.35 ng/ul
RT: 17.59 min Scan# 2550
Delta R.T. -0.01 min
Lab File: BM005593.D
Acq: 22 May 2016 19:02

Tgt Ion:167 Resp: 315383

Ion	Ratio	Lower	Upper
167	100		
166	21.2	16.9	25.3
139	13.5	10.6	16.0

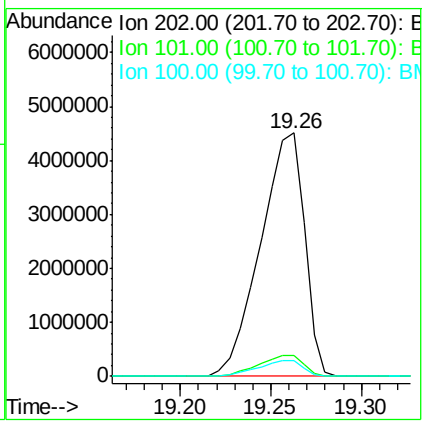




#74
Fluoranthene
Concen: 330.06 ng/ul
RT: 19.26 min Scan# 2835
Delta R.T. 0.02 min
Lab File: BM005593.D
Acq: 22 May 2016 19:02

Tgt Ion:202 Resp: 7634157

Ion	Ratio	Lower	Upper
202	100		
101	8.5	7.9	11.9
100	6.4	5.6	8.4



Instrument :
BNA_M
ClientSampleId :
JHGK4MSD

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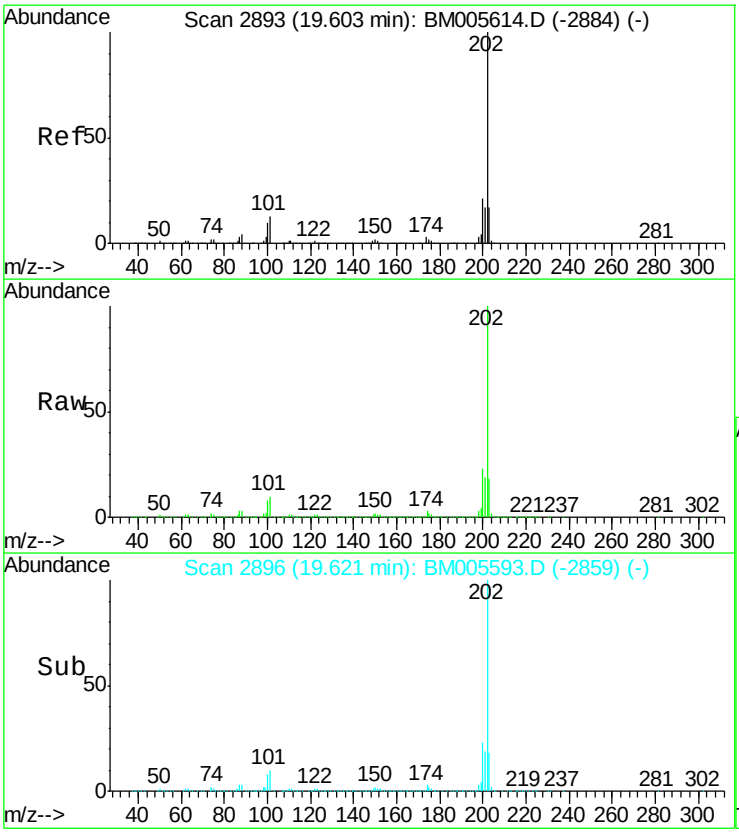
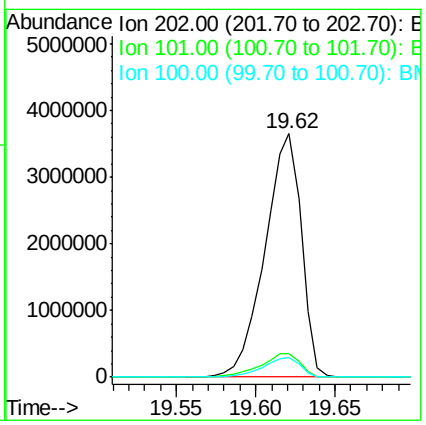
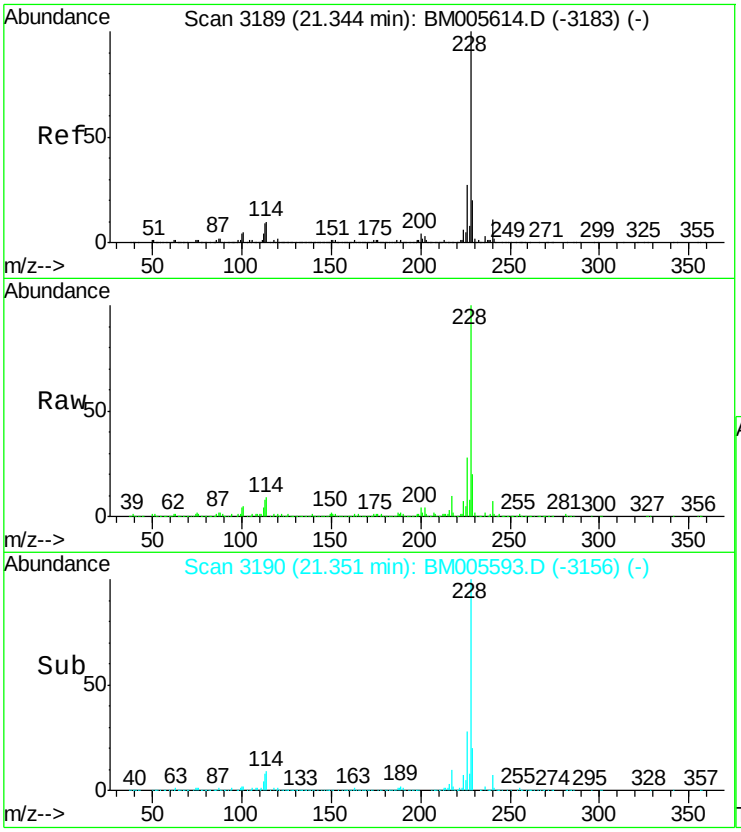


#77
Pyrene
Concen: 203.40 ng/ul
RT: 19.62 min Scan# 2896
Delta R.T. 0.02 min
Lab File: BM005593.D
Acq: 22 May 2016 19:02

Tgt Ion:202 Resp: 5816469

Ion	Ratio	Lower	Upper
202	100		
101	9.7	9.6	14.4
100	7.9	7.8	11.6

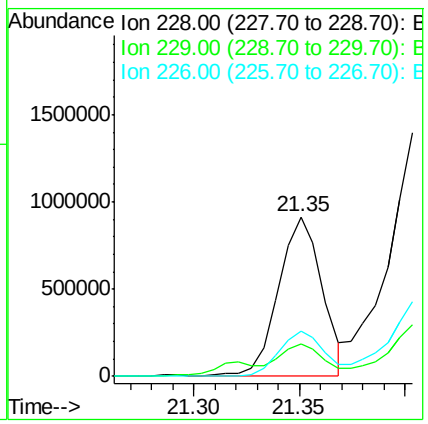




#80
Benzo(a)anthracene
Concen: 44.52 ng/ul
RT: 21.35 min Scan# 3190
Delta R.T. -0.00 min
Lab File: BM005593.D
Acq: 22 May 2016 19:02

Tgt Ion:228 Resp: 1301718

Ion	Ratio	Lower	Upper
228	100		
229	20.4	15.4	23.2
226	28.4	21.0	31.4



Instrument :
BNA_M
ClientSampleId :
JHGK4MSD

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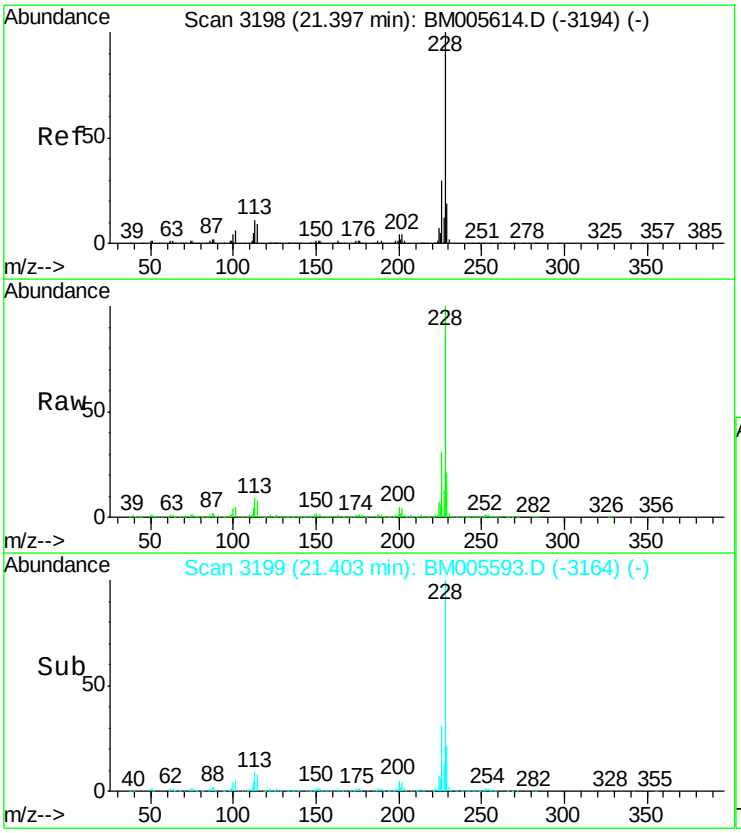
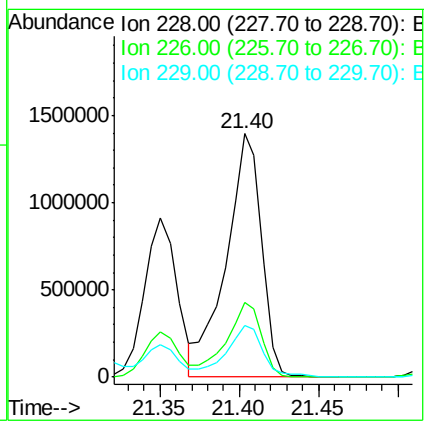
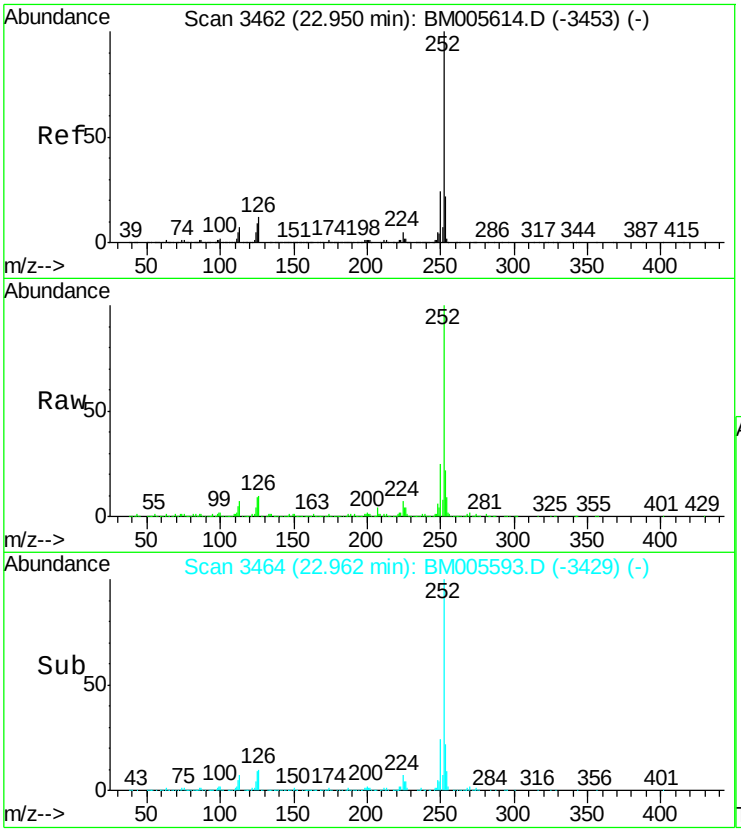


#82
Chrysene
Concen: 76.80 ng/ul
RT: 21.40 min Scan# 3199
Delta R.T. 0.01 min
Lab File: BM005593.D
Acq: 22 May 2016 19:02

Tgt Ion:228 Resp: 2136353

Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.7	35.5
229	21.3	15.5	23.3

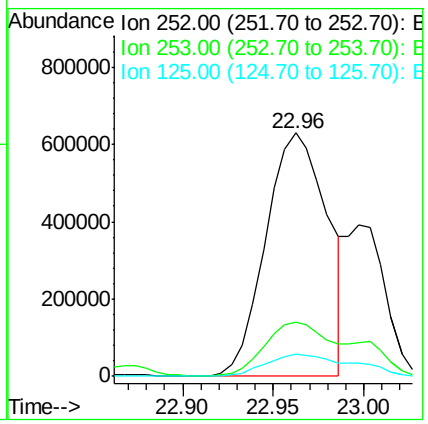




#85
Benzo(b)fluoranthene
Concen: 41.73 ng/ul
RT: 22.96 min Scan# 3464
Delta R.T. 0.01 min
Lab File: BM005593.D
Acq: 22 May 2016 19:02

Tgt Ion:252 Resp: 1484410

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.3	25.9
125	9.0	7.0	10.4



Instrument :
BNA_M
ClientSampleId :
JHGK4MSD

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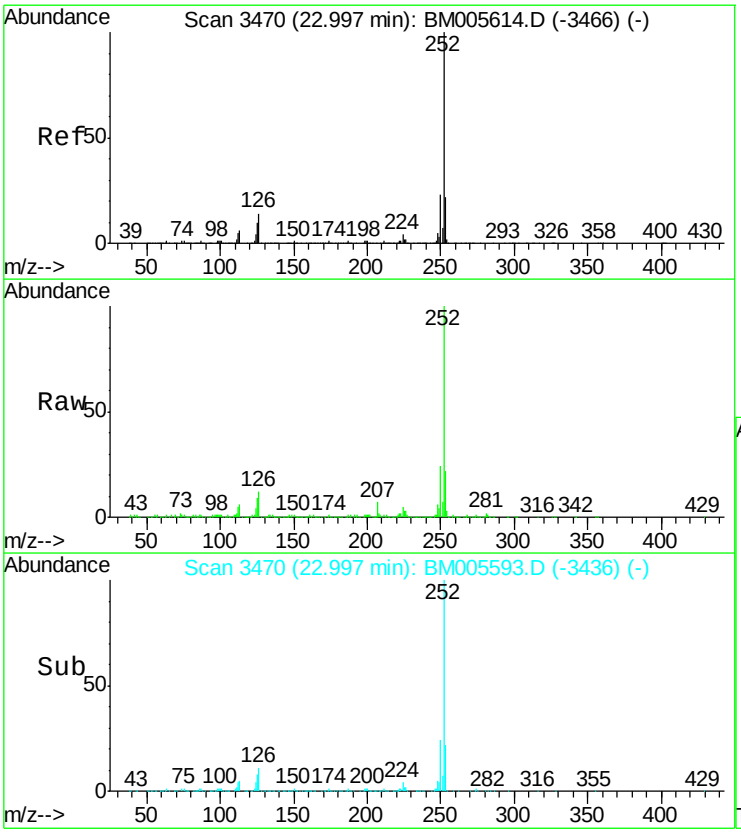
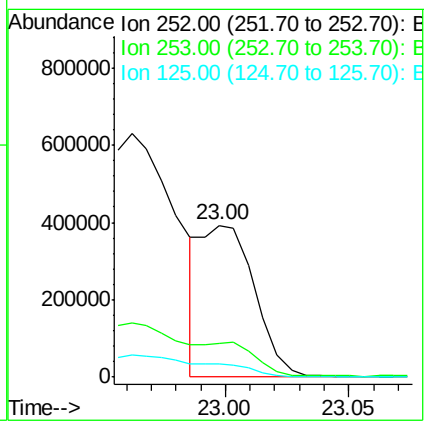
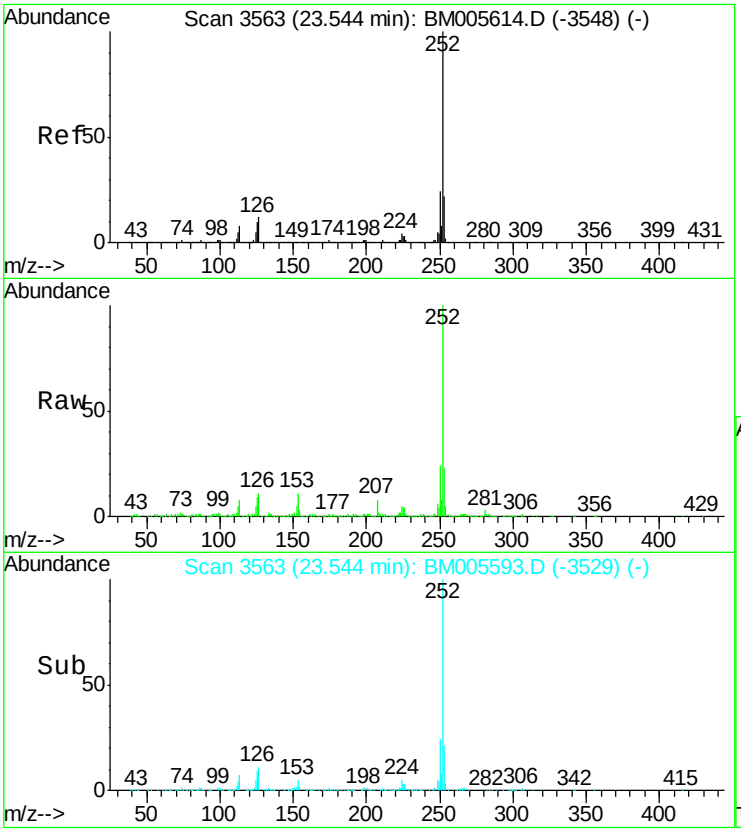


#86
Benzo(k)fluoranthene
Concen: 17.49 ng/ul m
RT: 23.00 min Scan# 3470
Delta R.T. -0.00 min
Lab File: BM005593.D
Acq: 22 May 2016 19:02

Tgt Ion:252 Resp: 589147

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	8.8	7.0	10.6

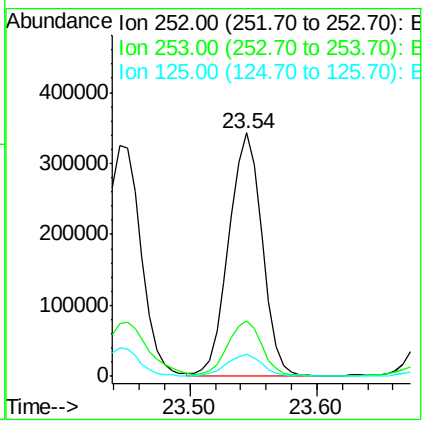




#88
Benzo(a)pyrene
Concen: 17.95 ng/ul
RT: 23.54 min Scan# 3563
Delta R.T. -0.00 min
Lab File: BM005593.D
Acq: 22 May 2016 19:02

Tgt Ion:252 Resp: 619477

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	9.2	7.6	11.4



Instrument :
BNA_M
ClientSampleId :
JHGK4MSD

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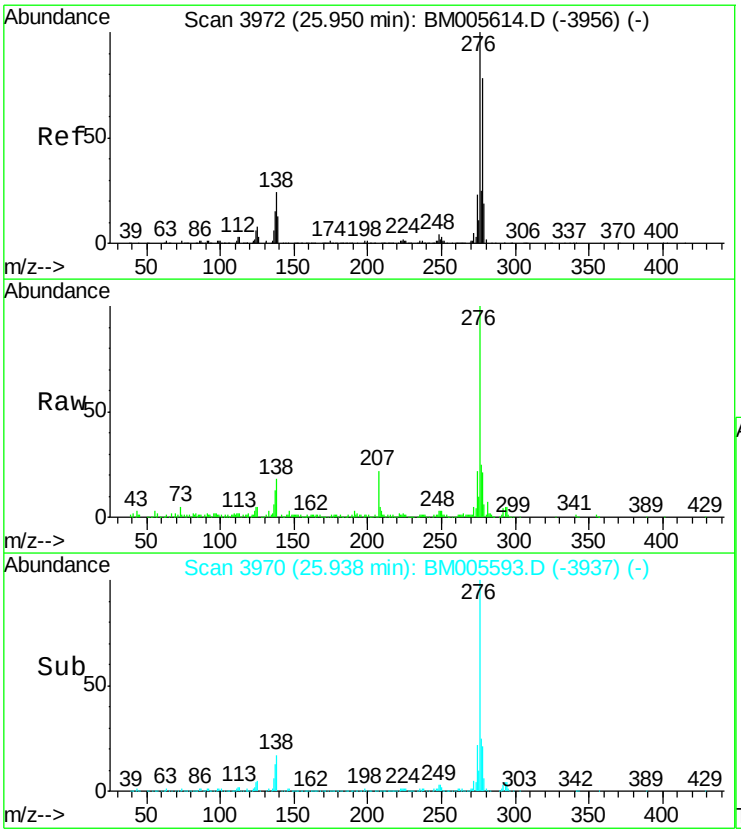
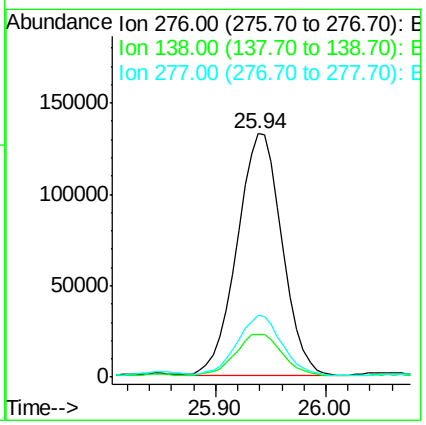
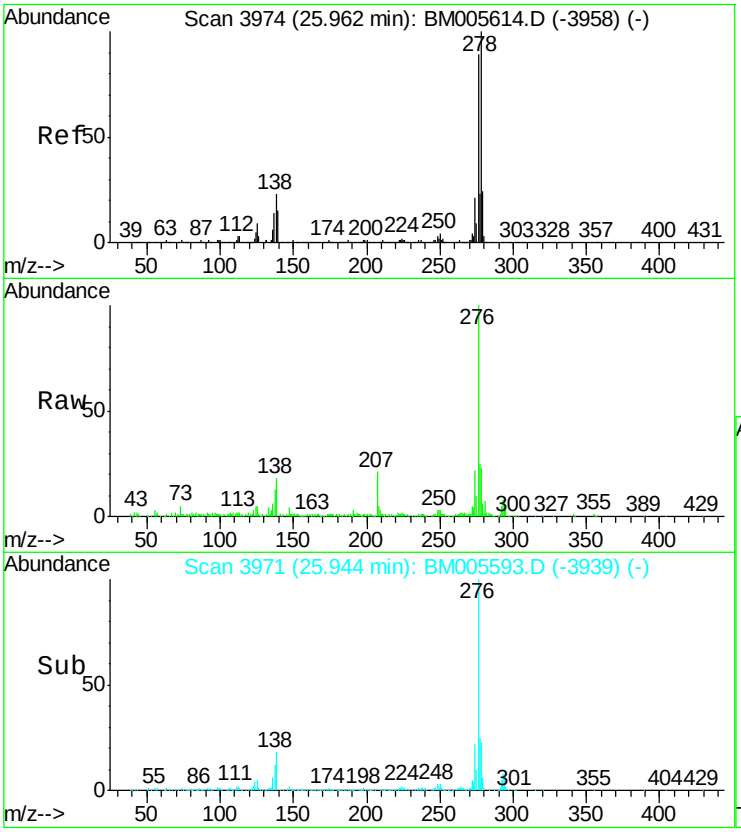


#89
Indeno(1,2,3-cd)pyrene
Concen: 9.22 ng/ul
RT: 25.94 min Scan# 3970
Delta R.T. -0.01 min
Lab File: BM005593.D
Acq: 22 May 2016 19:02

Tgt Ion:276 Resp: 377721

Ion	Ratio	Lower	Upper
276	100		
138	17.7	16.9	25.3
277	25.3	20.2	30.4

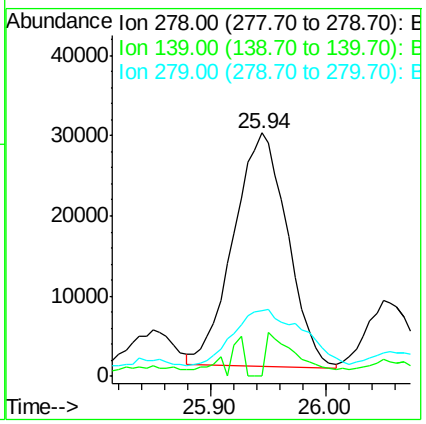




#90
Dibenzo(a,h)anthracene
Concen: 2.79 ng/ul
RT: 25.94 min Scan# 3971
Delta R.T. -0.01 min
Lab File: BM005593.D
Acq: 22 May 2016 19:02

Tgt Ion:278 Resp: 95116

Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.8	17.6#
279	27.0	19.4	29.2



Instrument :
BNA_M
ClientSampleId :
JHGK4MSD

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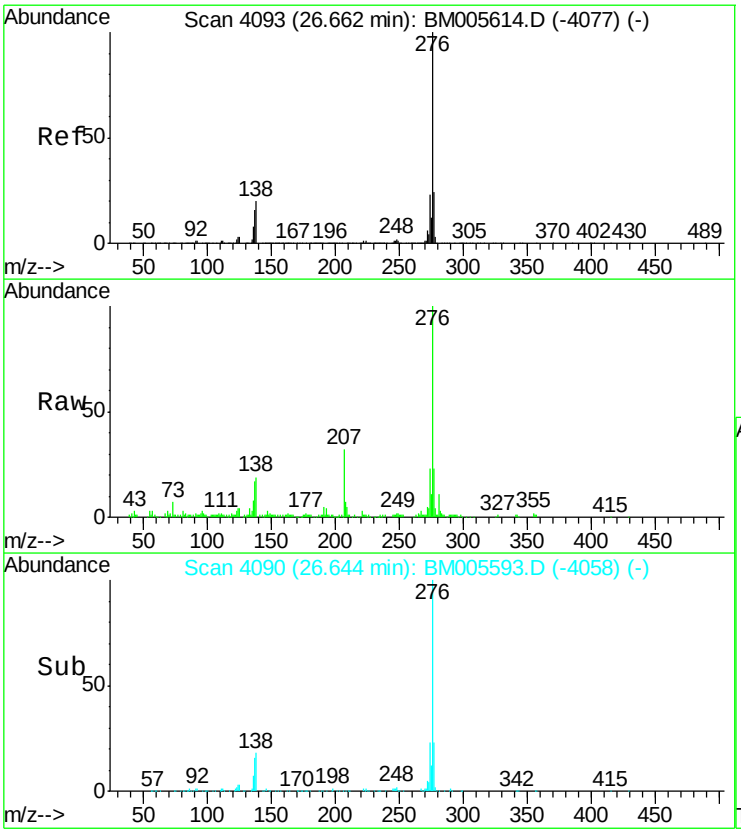

#91
Benzo(g,h,i)perylene
Concen: 8.11 ng/ul
RT: 26.64 min Scan# 4090
Delta R.T. -0.01 min
Lab File: BM005593.D
Acq: 22 May 2016 19:02

Tgt Ion:276 Resp: 279631

Ion	Ratio	Lower	Upper
276	100		
138	18.9	15.0	22.6
277	23.3	18.6	28.0