Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005636.D
Acq On : 24 May 2016 07:56
Operator : UM/SJ
Sample : H3087-16RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 24 13:57:18 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 24 06:55:29 2016
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : JHGK9RE

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	192605	20.00	ng/ul	0.02
18) Naphthalene-d8	10.62	136	682709	20.00	ng/ul	0.03
35) Acenaphthene-d10	14.47	164	356461	20.00	ng/ul	0.03
61) Phenanthrene-d10	17.22	188	570799	20.00	ng/ul	0.03
75) Chrysene-d12	21.41	240	368800	20.00	ng/ul	0.05
83) Perylene-d12	23.74	264	417506	20.00	ng/ul	0.11
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.28	96	16436	3.74	ng/uL	0.00
5) Phenol-d5	7.01	99	425273	26.94	ng/ul	0.03
7) Bis-(2-Chloroethyl)ether-d	7.15	67	303426	33.16	ng/ul	0.02
9) 2-Chlorophenol-d4	7.36	132	320855	24.36	ng/ul	0.02
13) 4-Methylphenol-d8	8.55	113	312638	24.17	ng/ul	0.03
19) Nitrobenzene-d5	8.98	128	157983	30.27	ng/ul	0.02
22) 2-Nitrophenol-d4	9.70	143	143360	24.95	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.26	165	329098	30.41	ng/ul	0.04
29) 4-Chloroaniline-d4	10.76	131	215422	19.88	ng/ul	0.02
43) Dimethylphthalate-d6	13.87	166	756491	26.00	ng/ul	0.02
46) Acenaphthylene-d8	14.16	160	966008	26.55	ng/ul	0.03
51) 4-Nitrophenol-d4	14.70	143	94949	17.25	ng/ul	0.05
57) Fluorene-d10	15.46	176	611706	24.16	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.56	200	13305m	4.05	ng/ul	0.00
70) Anthracene-d10	17.32	188	736644	27.09	ng/ul	0.04
76) Pyrene-d10	19.62	212	572242	34.26	ng/ul	0.04
87) Benzo(a)pyrene-d12	23.59	264	486597	24.96	ng/ul	0.09
Target Compounds						Qvalue
6) Phenol	7.04	94	20507	1.26	ng/ul#	85
14) Acetophenone	8.64	105	38064	1.95	ng/ul#	61
24) 2,4-Dimethylphenol	9.83	107	98422m	7.71	ng/ul	
28) Naphthalene	10.67	128	232317	6.77	ng/ul	98
34) 2-Methylnaphthalene	12.29	142	58866	2.35	ng/ul	97
40) 1,1'-Biphenyl	13.30	154	40921	1.37	ng/ul#	82
44) Dimethylphthalate	13.92	163	351921	12.24	ng/ul#	94
47) Acenaphthylene	14.19	152	701838	18.99	ng/ul	94
49) Acenaphthene	14.53	153	75569	3.10	ng/ul#	90
53) Dibenzofuran	14.86	168	75628	2.17	ng/ul#	73
58) Fluorene	15.52	166	231212	8.30	ng/ul#	95
69) Phenanthrene	17.26	178	2319243	72.70	ng/ul	98
71) Anthracene	17.35	178	813395	25.02	ng/ul	96
72) Carbazole	17.62	167	109811	3.89	ng/ul#	51
74) Fluoranthene	19.29	202	4382068	122.04	ng/ul	98
77) Pyrene	19.66	202	4828794	227.76	ng/ul#	95
80) Benzo(a)anthracene	21.40	228	1964160	90.61	ng/ul#	87
82) Chrysene	21.45	228	1840795	89.25	ng/ul#	94
85) Benzo(b)fluoranthene	23.04	252	2052194m	83.34	ng/ul	
86) Benzo(k)fluoranthene	23.07	252	771275m	33.09	ng/ul	
88) Benzo(a)pyrene	23.65	252	2108679	88.28	ng/ul#	92
89) Indeno(1,2,3-cd)pyrene	26.12	276	1429000	50.36	ng/ul	97
90) Dibenzo(a,h)anthracene	26.12	278	316966	13.41	ng/ul#	68

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Sample : H3087-16RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Quant Time: May 24 13:57:18 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 24 06:55:29 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(g,h,i)perylene	26.86	276	1379007	57.81	ng/ul	94

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

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Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
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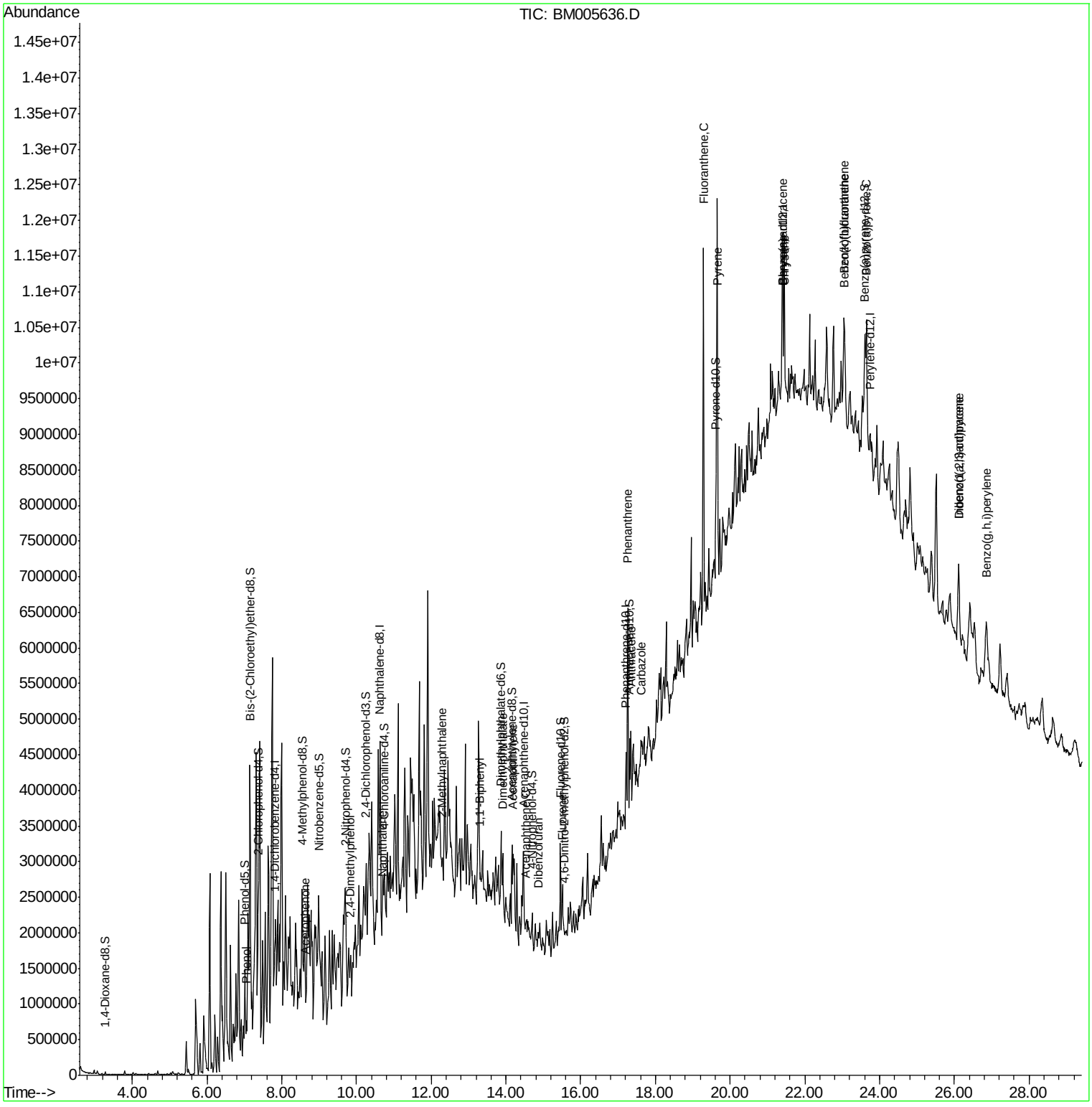
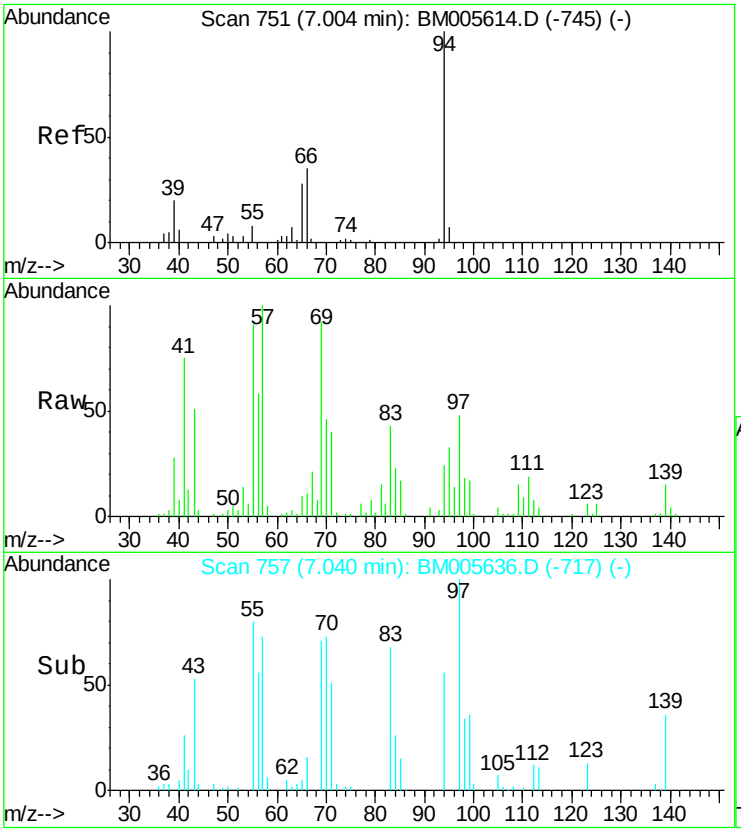
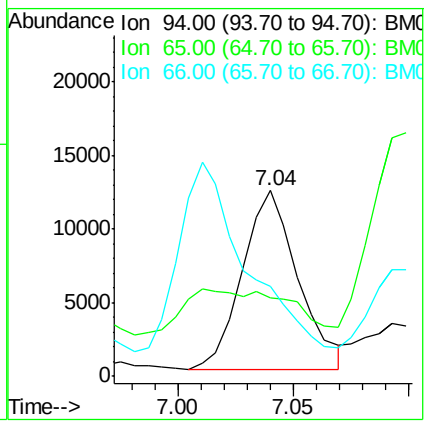




#6
Phenol
Concen: 1.26 ng/ul
RT: 7.04 min Scan# 757
Delta R.T. 0.04 min
Lab File: BM005636.D
Acq: 24 May 2016 07:56

Tgt Ion: 94 Resp: 20507

Ion	Ratio	Lower	Upper
94	100		
65	42.5	24.2	36.2#
66	48.2	33.9	50.9



Instrument :
BNA_M
ClientSampleId :
JHGK9RE

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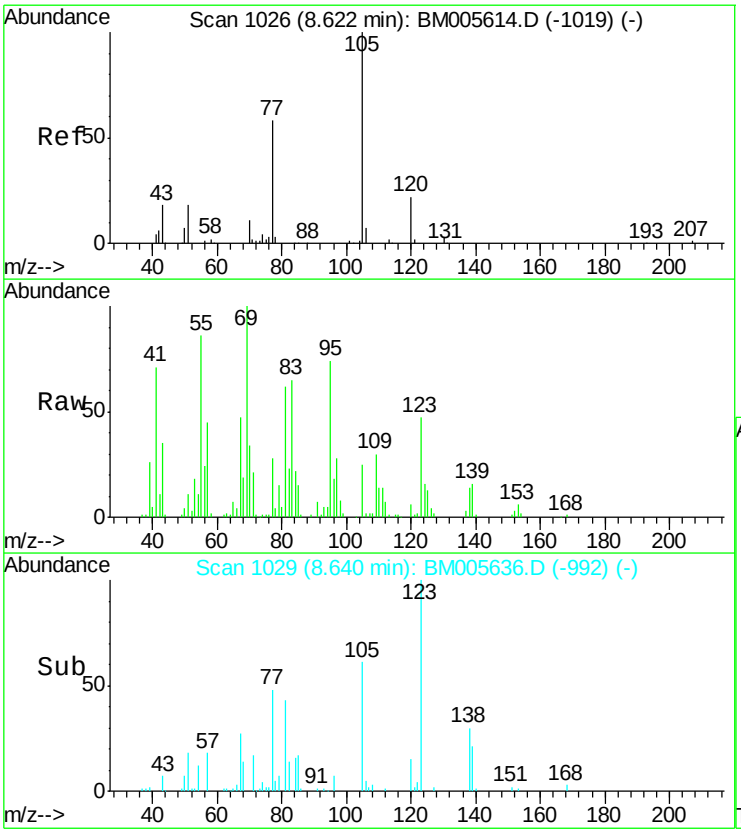
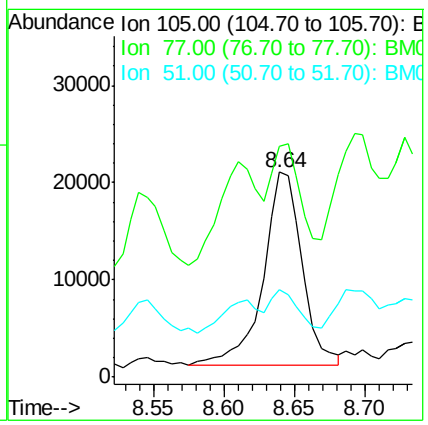
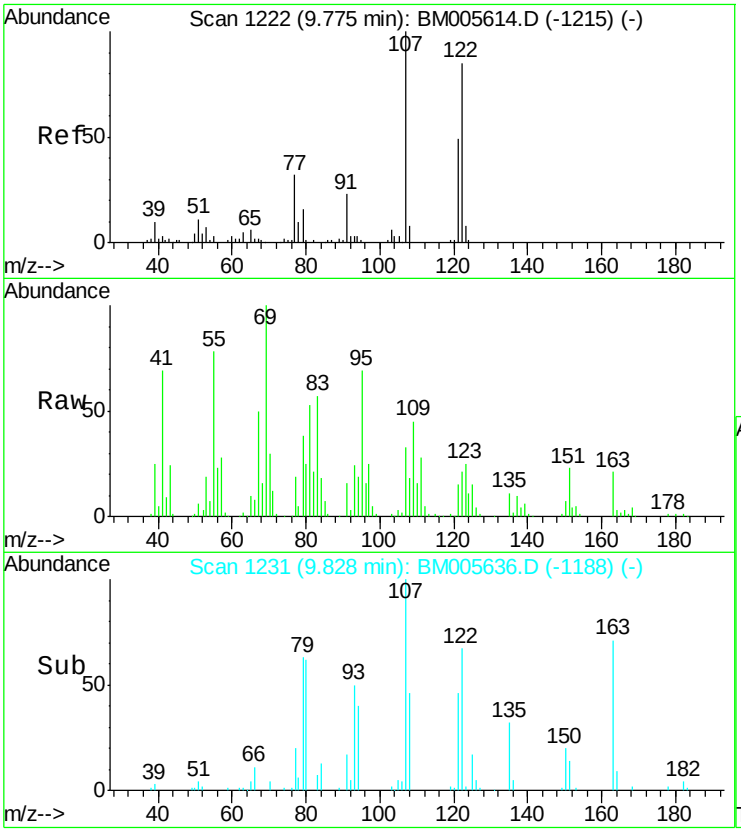


#14
Acetophenone
Concen: 1.95 ng/ul
RT: 8.64 min Scan# 1029
Delta R.T. 0.02 min
Lab File: BM005636.D
Acq: 24 May 2016 07:56

Tgt Ion:105 Resp: 38064

Ion	Ratio	Lower	Upper
105	100		
77	112.5	60.8	91.2#
51	42.9	22.2	33.2#

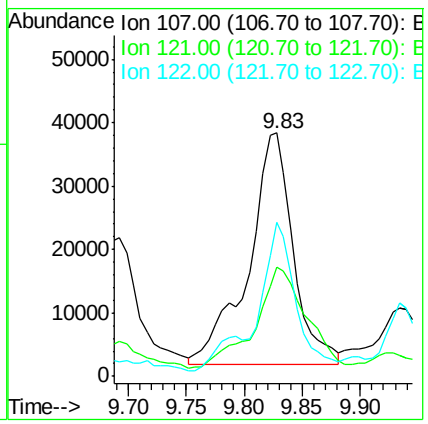




#24
2,4-Dimethylphenol
Concen: 7.71 ng/ul m
RT: 9.83 min Scan# 1231
Delta R.T. 0.05 min
Lab File: BM005636.D
Acq: 24 May 2016 07:56

Tgt Ion:107 Resp: 98422

Ion	Ratio	Lower	Upper
107	100		
121	45.0	37.5	56.3
122	63.1	66.9	100.3#



Instrument :
BNA_M
ClientSampleId :
JHGK9RE

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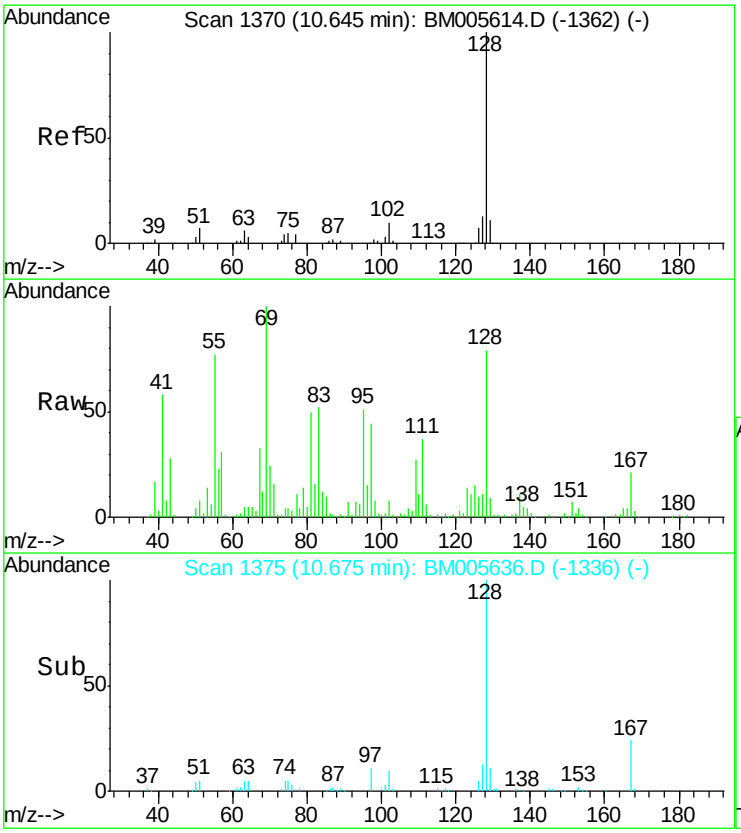
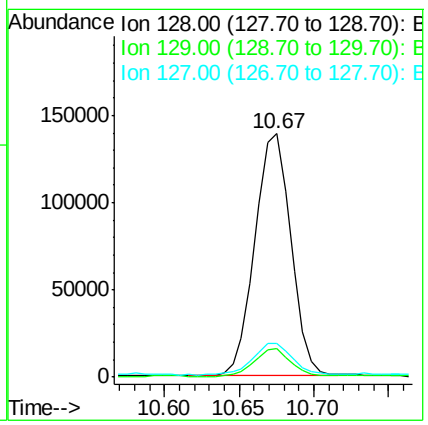
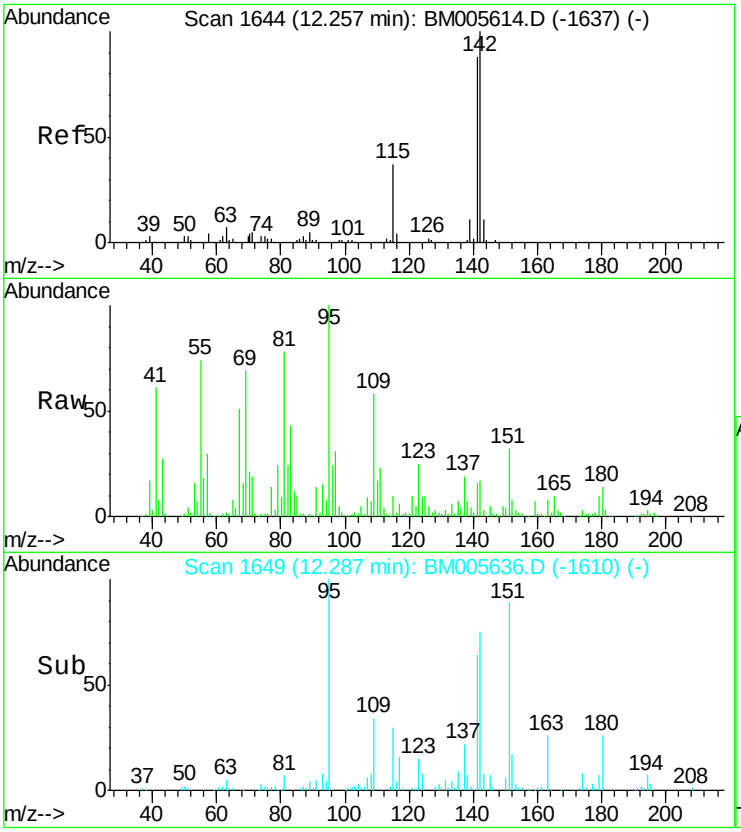


#28
Naphthalene
Concen: 6.77 ng/ul
RT: 10.67 min Scan# 1375
Delta R.T. 0.03 min
Lab File: BM005636.D
Acq: 24 May 2016 07:56

Tgt Ion:128 Resp: 232317

Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.6	13.0
127	13.9	10.6	15.8





#34
2-Methylnaphthalene
Concen: 2.35 ng/ul
RT: 12.29 min Scan# 1649
Delta R.T. 0.03 min
Lab File: BM005636.D
Acq: 24 May 2016 07:56

Tgt Ion:142 Resp: 58866

Ion	Ratio	Lower	Upper
142	100		
141	90.8	70.6	106.0

Instrument :
BNA_M
ClientSampleId :
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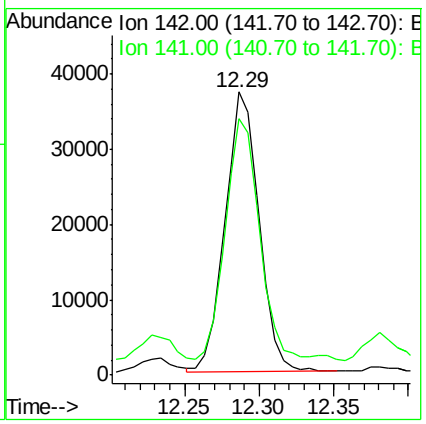
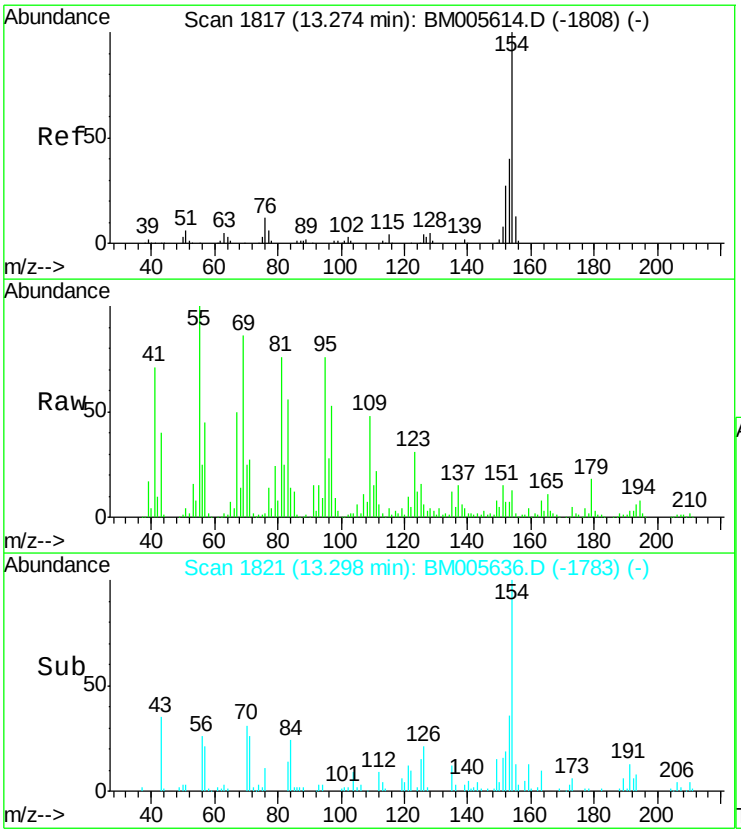
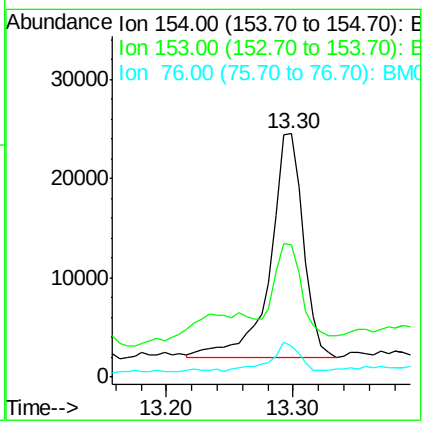


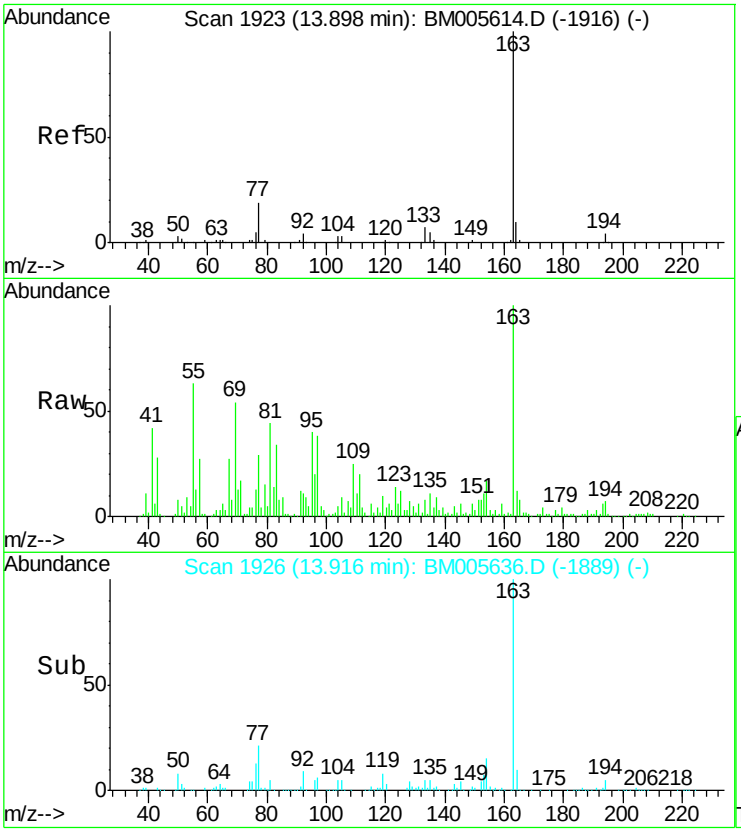


#40
1,1'-Biphenyl
Concen: 1.37 ng/ul
RT: 13.30 min Scan# 1821
Delta R.T. 0.02 min
Lab File: BM005636.D
Acq: 24 May 2016 07:56

Tgt Ion:154 Resp: 40921

Ion	Ratio	Lower	Upper
154	100		
153	54.4	31.7	47.5#
76	12.8	10.1	15.1

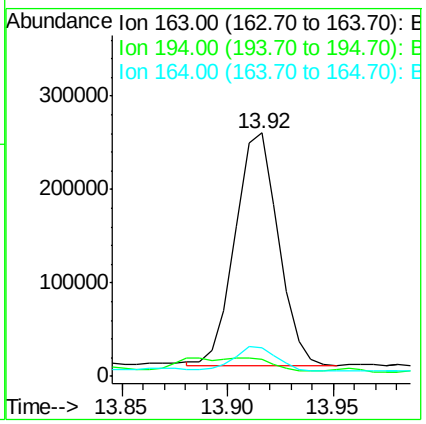




#44
Dimethylphthalate
Concen: 12.24 ng/ul
RT: 13.92 min Scan# 1926
Delta R.T. 0.02 min
Lab File: BM005636.D
Acq: 24 May 2016 07:56

Tgt Ion:163 Resp: 351921

Ion	Ratio	Lower	Upper
163	100		
194	6.8	3.4	5.0#
164	11.7	8.0	12.0



Instrument :
BNA_M
ClientSampleId :
JHGK9RE

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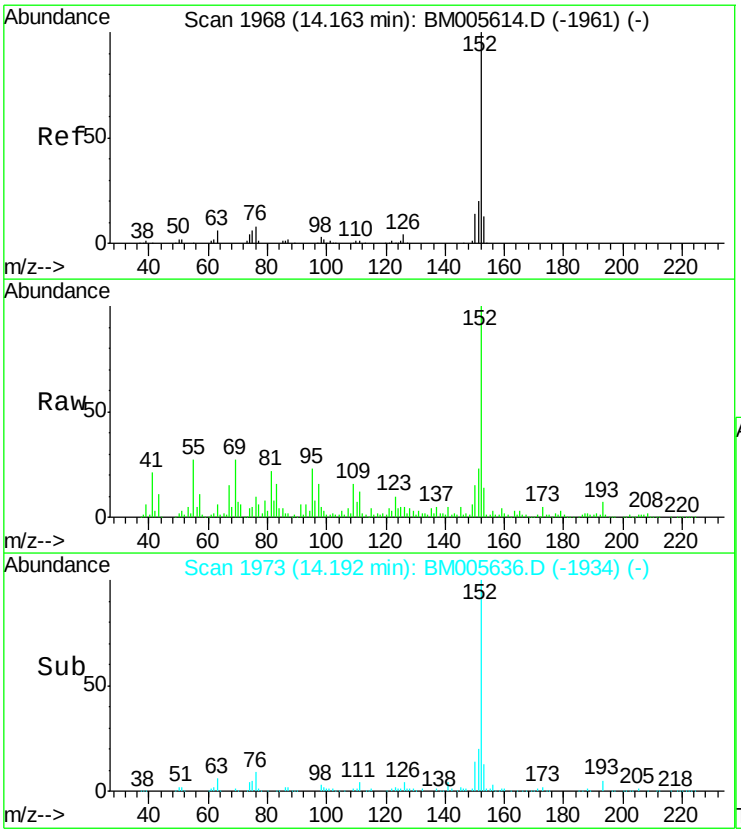
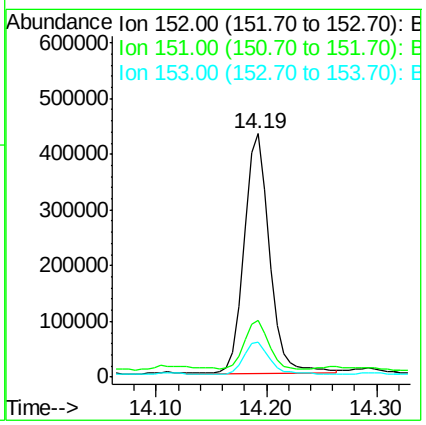
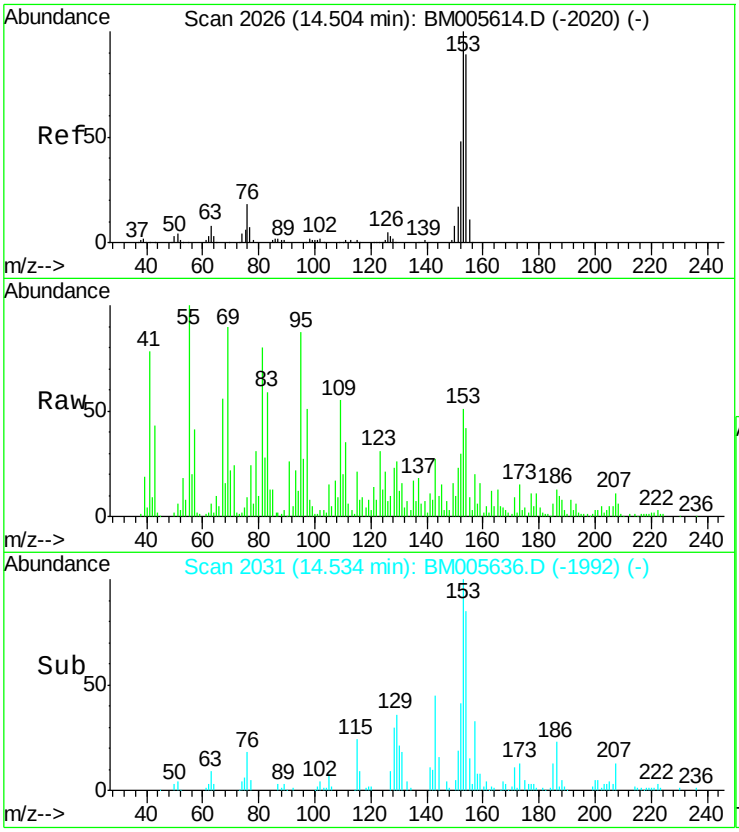


#47
Acenaphthylene
Concen: 18.99 ng/ul
RT: 14.19 min Scan# 1973
Delta R.T. 0.03 min
Lab File: BM005636.D
Acq: 24 May 2016 07:56

Tgt Ion:152 Resp: 701838

Ion	Ratio	Lower	Upper
152	100		
151	23.1	15.7	23.5
153	14.3	10.5	15.7

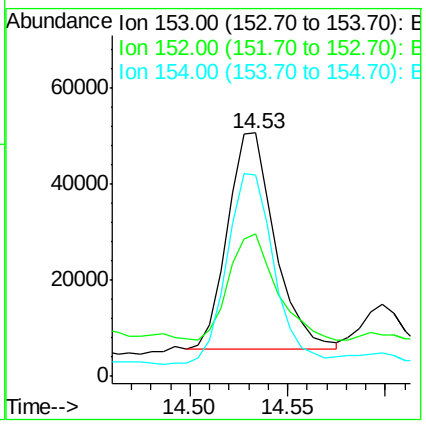




#49
Acenaphthene
Concen: 3.10 ng/ul
RT: 14.53 min Scan# 2031
Delta R.T. 0.03 min
Lab File: BM005636.D
Acq: 24 May 2016 07:56

Tgt Ion:153 Resp: 75569

Ion	Ratio	Lower	Upper
153	100		
152	58.5	37.8	56.6#
154	82.8	71.1	106.7



Instrument :
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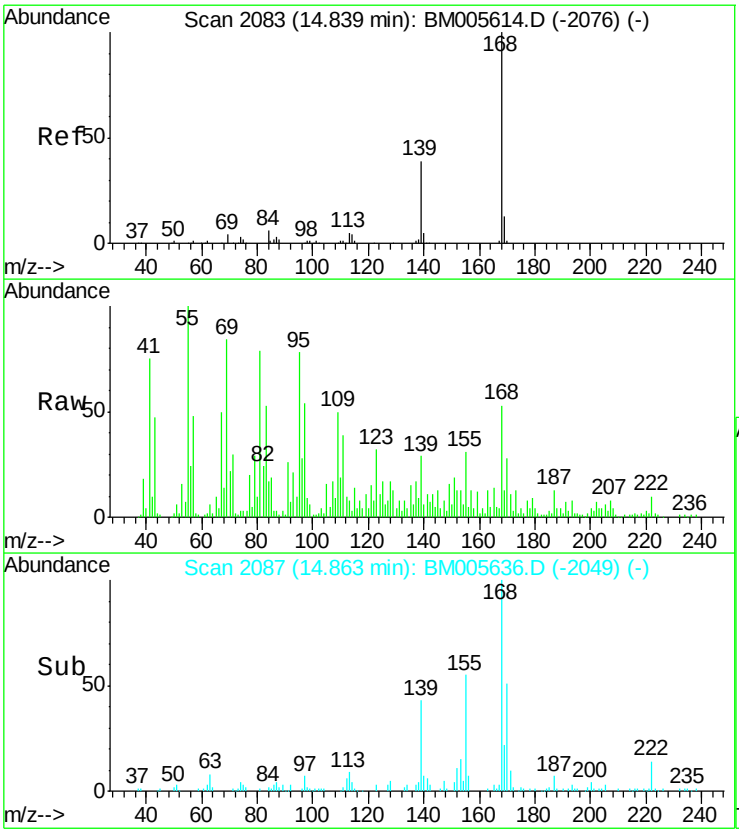
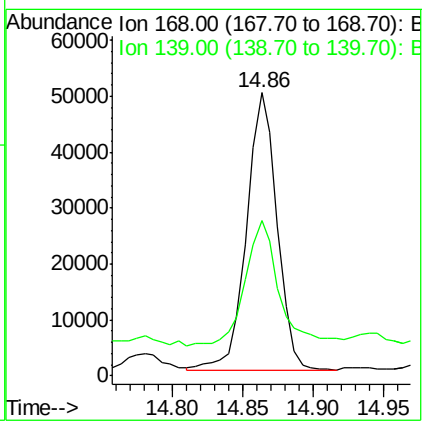
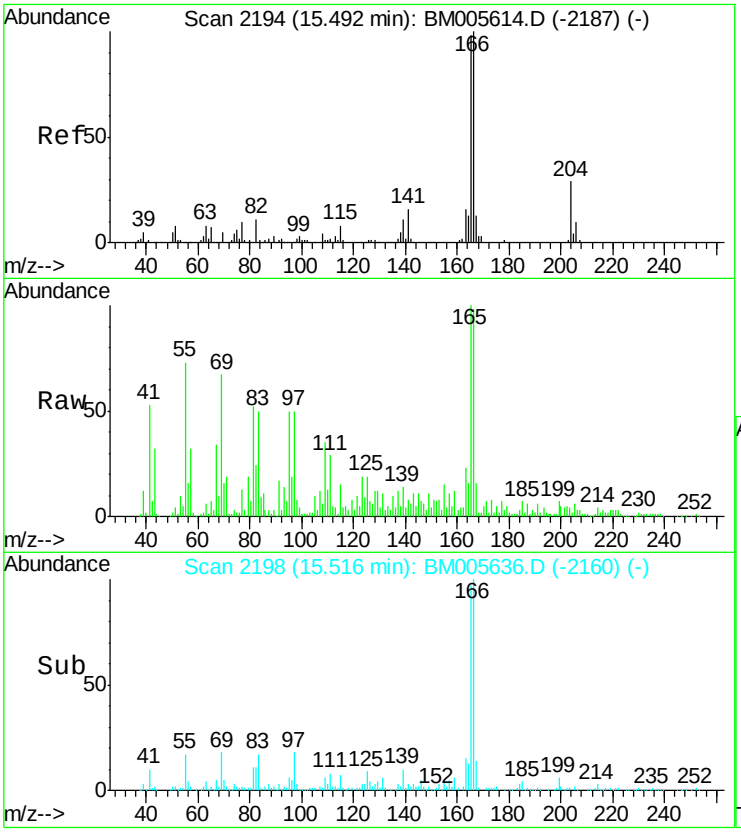


#53
Dibenzofuran
Concen: 2.17 ng/ul
RT: 14.86 min Scan# 2087
Delta R.T. 0.02 min
Lab File: BM005636.D
Acq: 24 May 2016 07:56

Tgt Ion:168 Resp: 75628

Ion	Ratio	Lower	Upper
168	100		
139	54.8	30.6	46.0#





#58
Fluorene
Concen: 8.30 ng/ul
RT: 15.52 min Scan# 2198
Delta R.T. 0.02 min
Lab File: BM005636.D
Acq: 24 May 2016 07:56

Tgt Ion:166 Resp: 231212

Ion	Ratio	Lower	Upper
166	100		
165	101.6	78.0	117.0
167	16.2	10.5	15.7#

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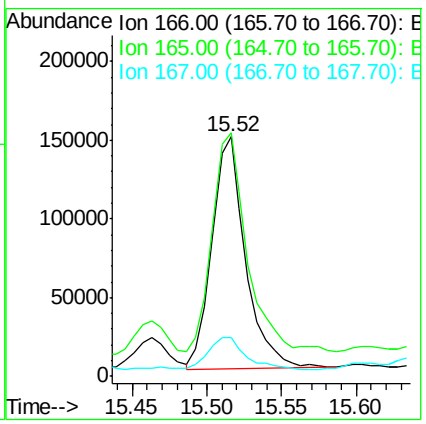
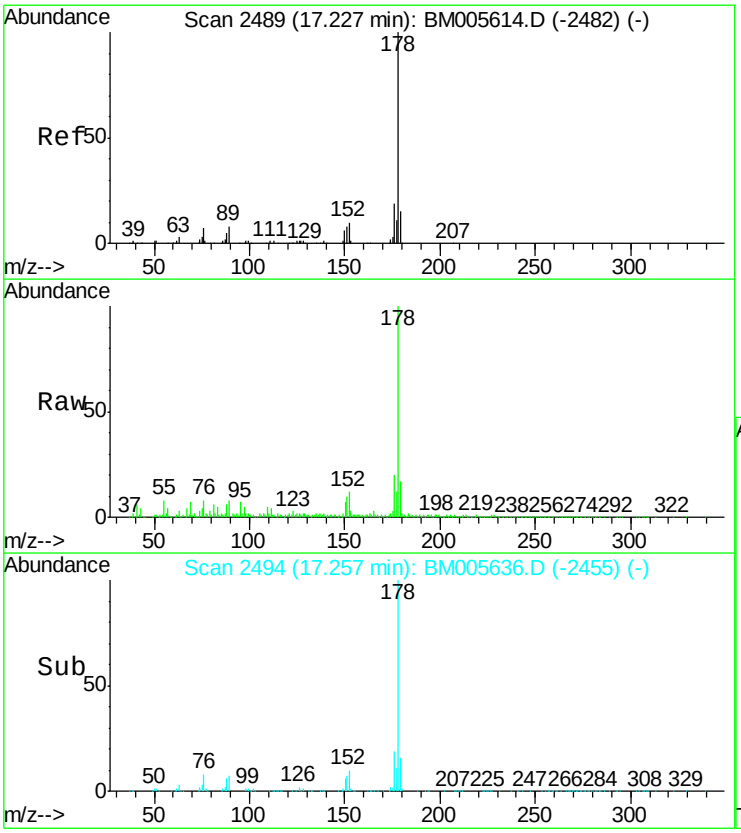
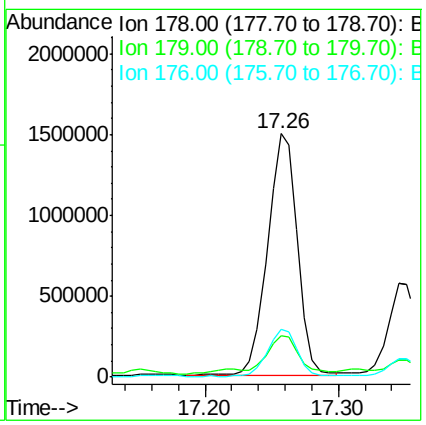


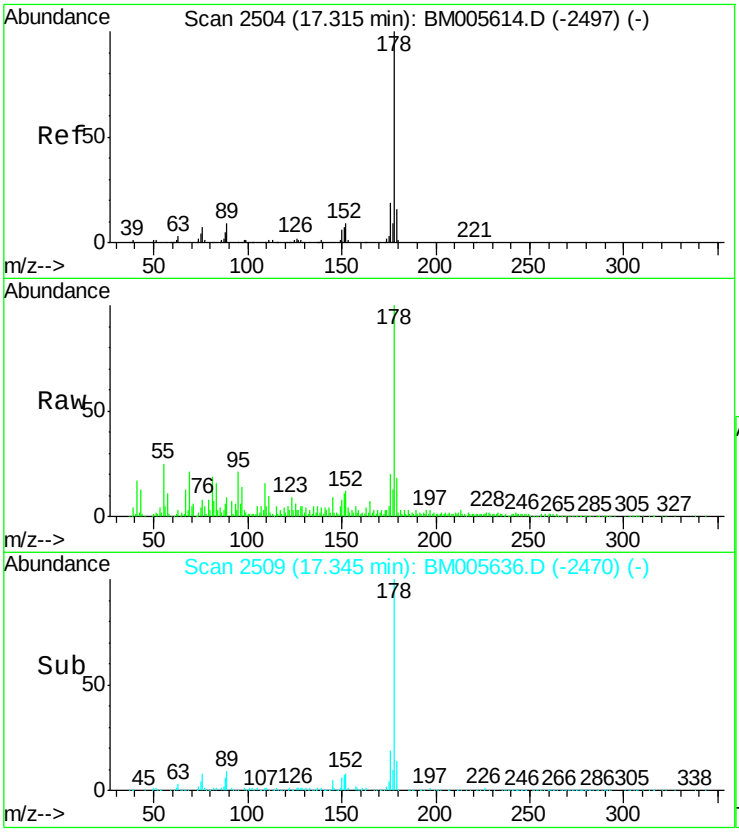


#69
Phenanthrene
Concen: 72.70 ng/ul
RT: 17.26 min Scan# 2494
Delta R.T. 0.03 min
Lab File: BM005636.D
Acq: 24 May 2016 07:56

Tgt Ion:178 Resp: 2319243

Ion	Ratio	Lower	Upper
178	100		
179	17.0	12.2	18.2
176	19.8	15.8	23.6

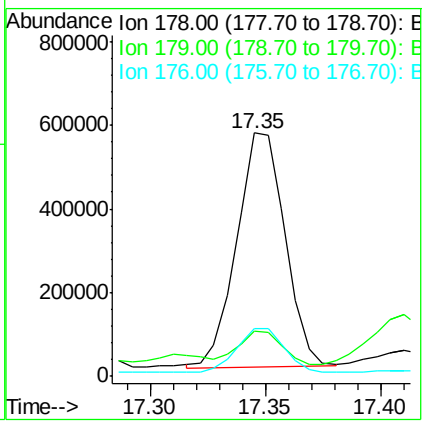




#71
Anthracene
Concen: 25.02 ng/ul
RT: 17.35 min Scan# 2509
Delta R.T. 0.03 min
Lab File: BM005636.D
Acq: 24 May 2016 07:56

Tgt Ion:178 Resp: 813395

Ion	Ratio	Lower	Upper
178	100		
179	18.4	12.6	18.8
176	19.5	15.0	22.4



Instrument :
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ClientSampleId :
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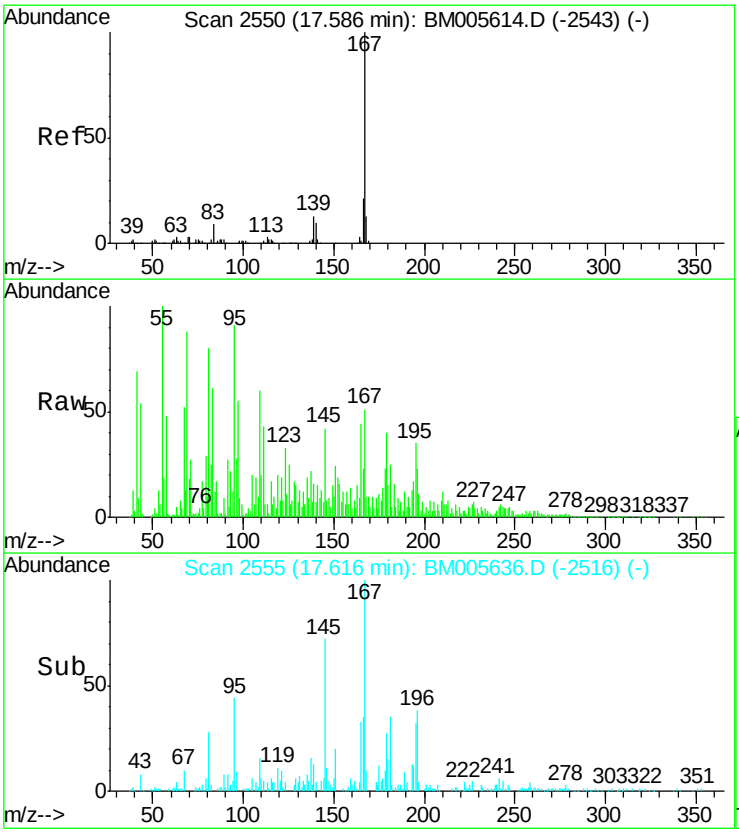
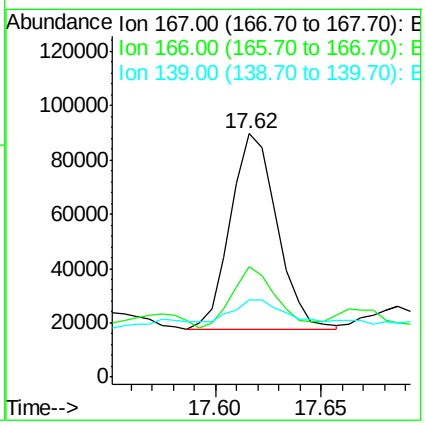
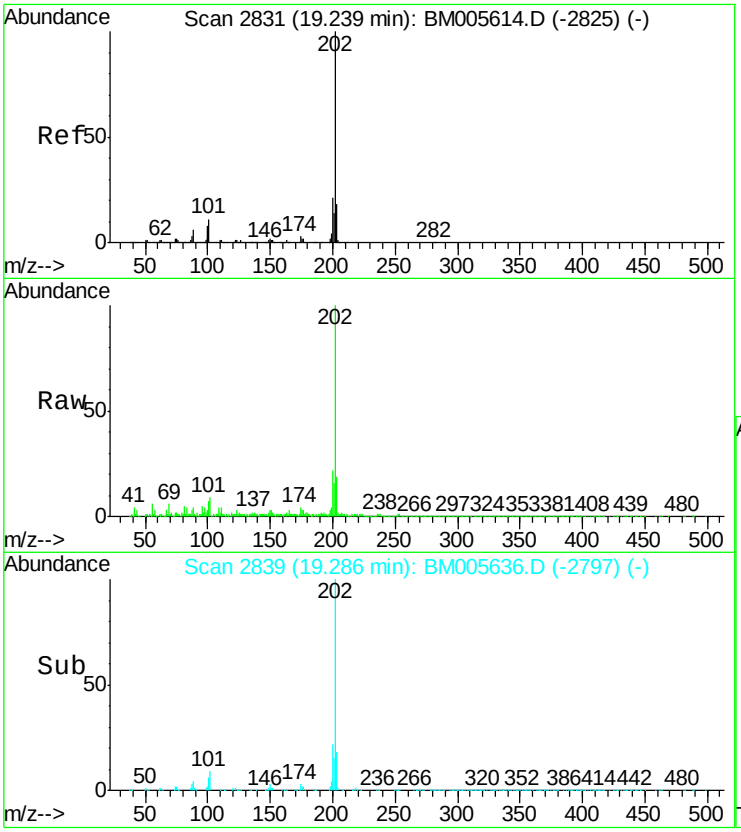


#72
Carbazole
Concen: 3.89 ng/ul
RT: 17.62 min Scan# 2555
Delta R.T. 0.03 min
Lab File: BM005636.D
Acq: 24 May 2016 07:56

Tgt Ion:167 Resp: 109811

Ion	Ratio	Lower	Upper
167	100		
166	45.1	16.9	25.3#
139	31.8	10.6	16.0#

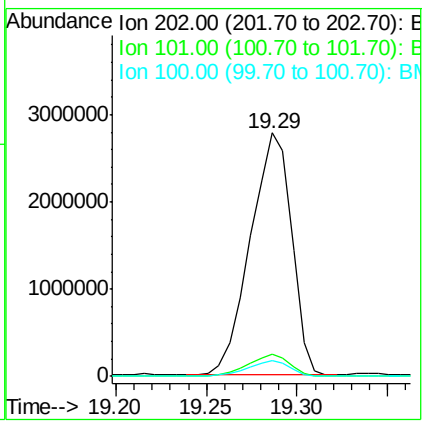




#74
Fluoranthene
Concen: 122.04 ng/ul
RT: 19.29 min Scan# 2839
Delta R.T. 0.05 min
Lab File: BM005636.D
Acq: 24 May 2016 07:56

Tgt Ion:202 Resp: 4382068

Ion	Ratio	Lower	Upper
202	100		
101	8.9	7.9	11.9
100	6.5	5.6	8.4



Instrument :
BNA_M
ClientSampleId :
JHGK9RE

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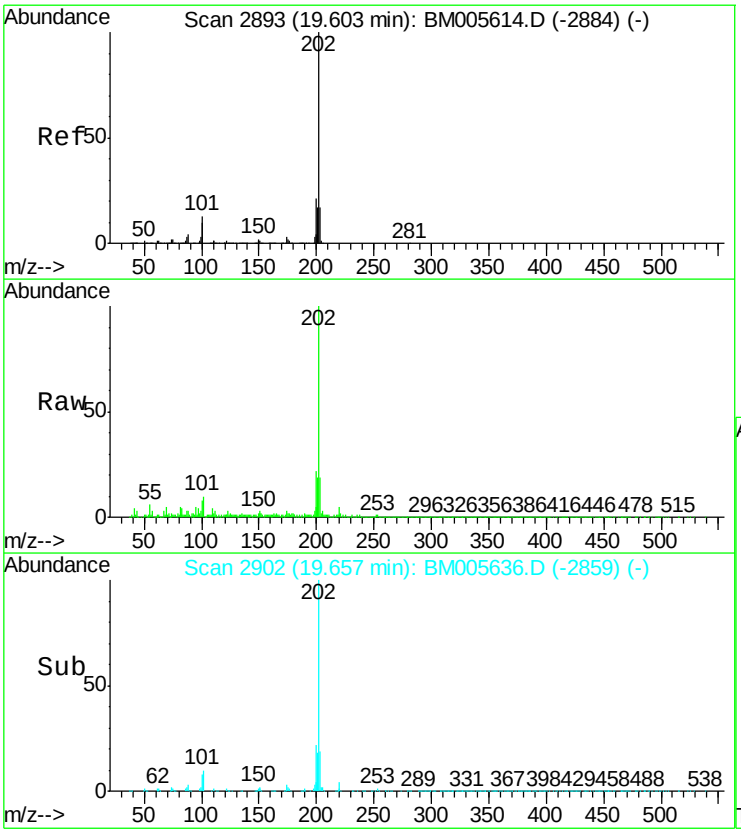
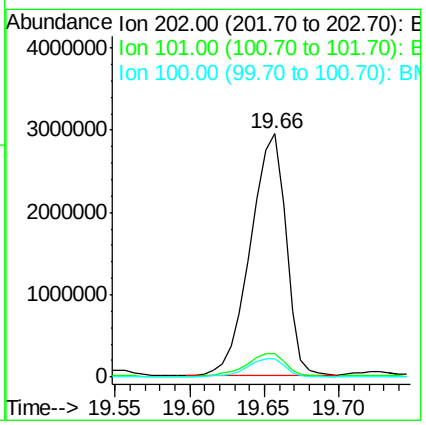
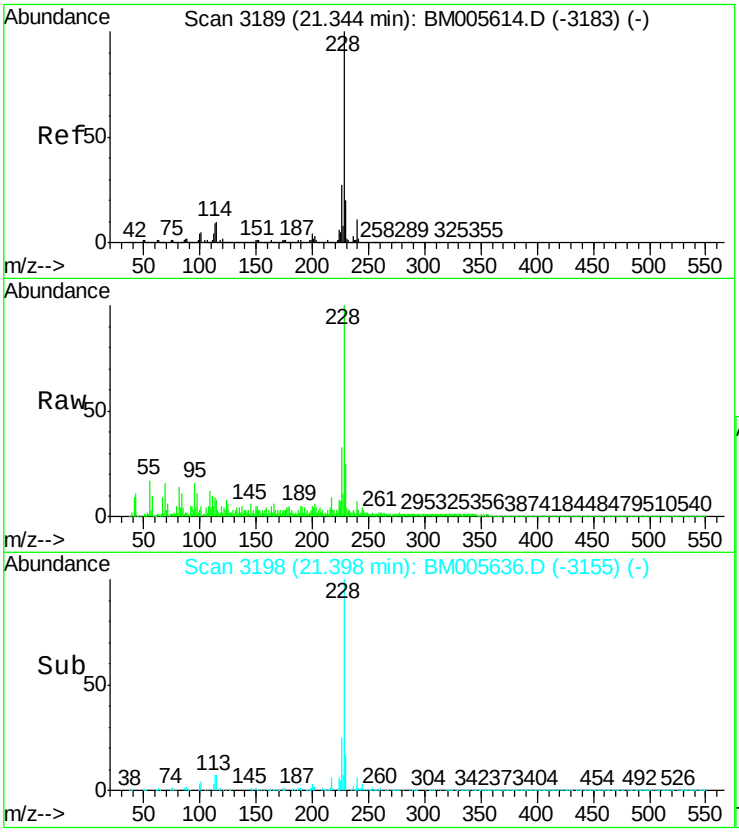


#77
Pyrene
Concen: 227.76 ng/ul
RT: 19.66 min Scan# 2902
Delta R.T. 0.05 min
Lab File: BM005636.D
Acq: 24 May 2016 07:56

Tgt Ion:202 Resp: 4828794

Ion	Ratio	Lower	Upper
202	100		
101	9.9	9.6	14.4
100	7.7	7.8	11.6#

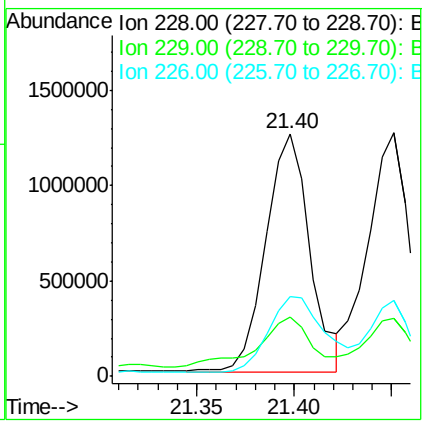




#80
Benzo(a)anthracene
Concen: 90.61 ng/ul
RT: 21.40 min Scan# 3198
Delta R.T. 0.05 min
Lab File: BM005636.D
Acq: 24 May 2016 07:56

Tgt Ion:228 Resp: 1964160

Ion	Ratio	Lower	Upper
228	100		
229	24.5	15.4	23.2#
226	33.1	21.0	31.4#



Instrument :
BNA_M
ClientSampleId :
JHGK9RE

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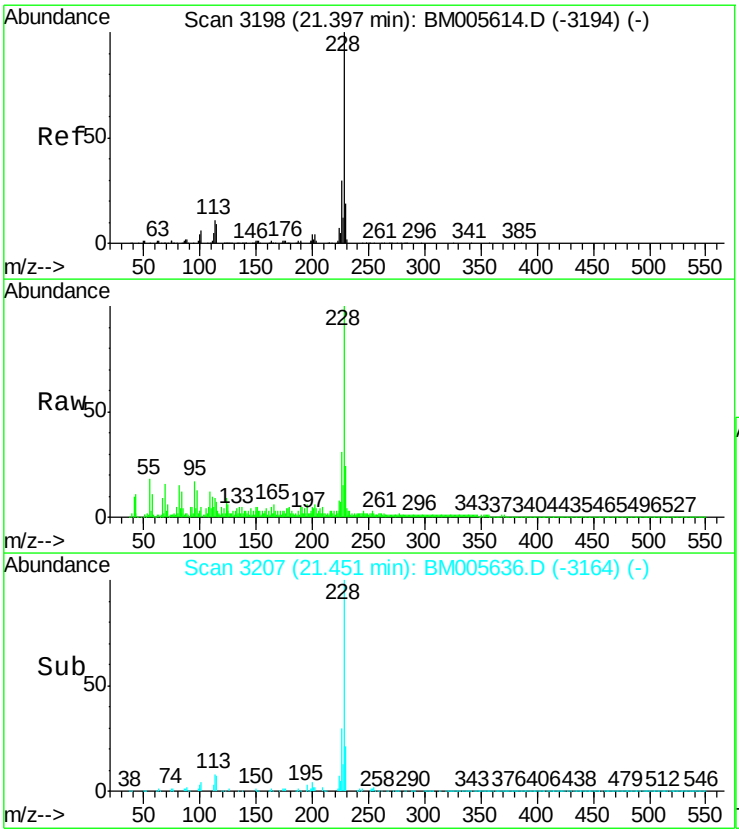
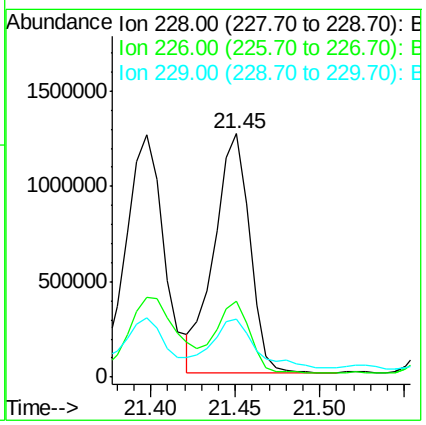
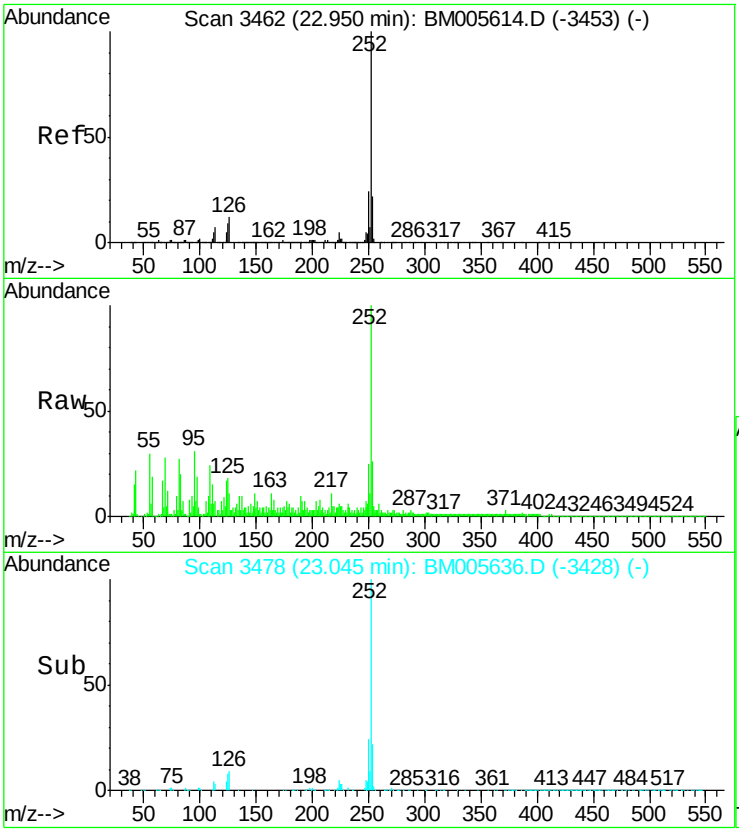


#82
Chrysene
Concen: 89.25 ng/ul
RT: 21.45 min Scan# 3207
Delta R.T. 0.05 min
Lab File: BM005636.D
Acq: 24 May 2016 07:56

Tgt Ion:228 Resp: 1840795

Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.7	35.5
229	24.0	15.5	23.3#





#85
Benzo(b)fluoranthene
Concen: 83.34 ng/ul m
RT: 23.04 min Scan# 3478
Delta R.T. 0.09 min
Lab File: BM005636.D
Acq: 24 May 2016 07:56

Tgt Ion:252 Resp: 2052194

Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.3	25.9#
125	17.7	7.0	10.4#

Instrument :
BNA_M
ClientSampleId :
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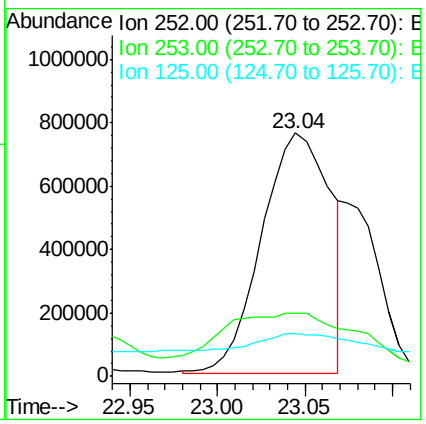
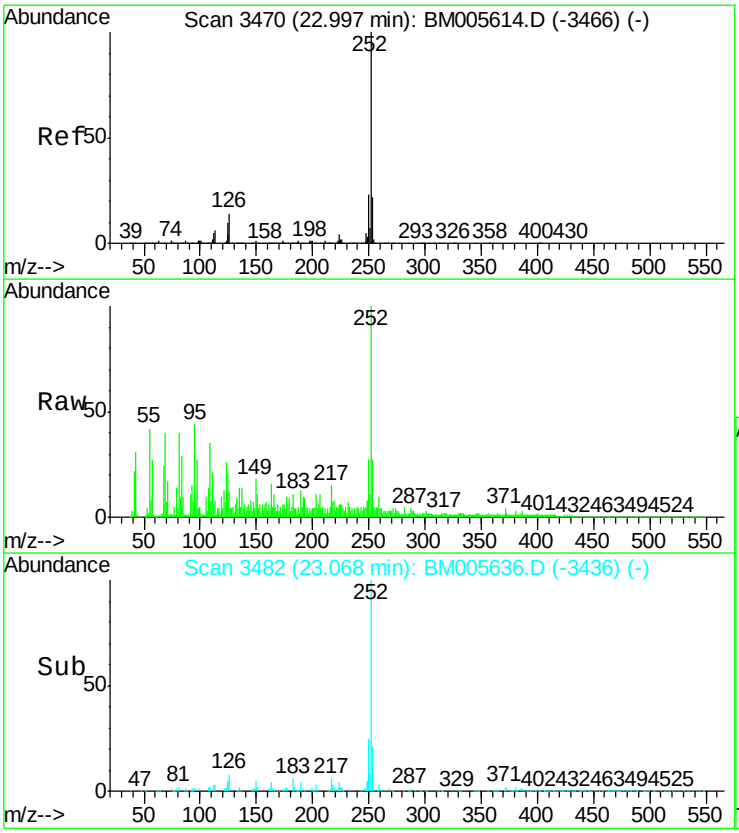
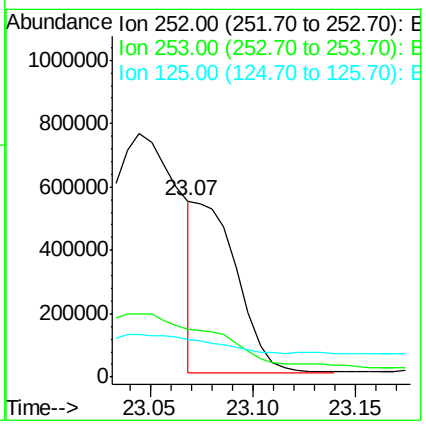


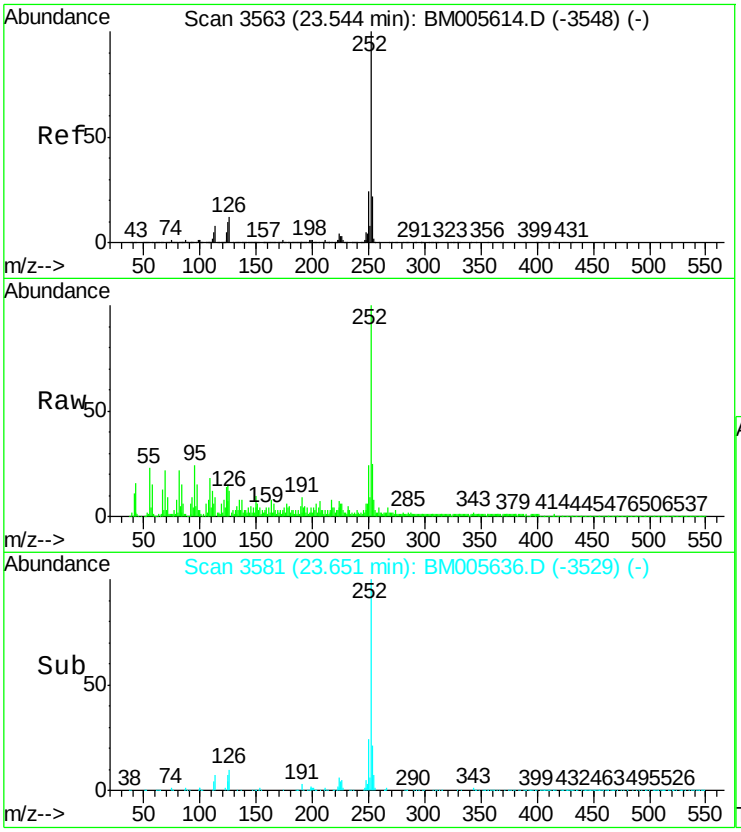


#86
Benzo(k)fluoranthene
Concen: 33.09 ng/ul m
RT: 23.07 min Scan# 3482
Delta R.T. 0.07 min
Lab File: BM005636.D
Acq: 24 May 2016 07:56

Tgt Ion:252 Resp: 771275

Ion	Ratio	Lower	Upper
252	100		
253	27.1	17.5	26.3#
125	21.5	7.0	10.6#

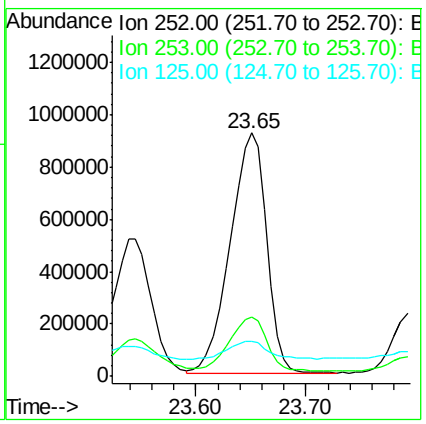




#88
Benzo(a)pyrene
Concen: 88.28 ng/ul
RT: 23.65 min Scan# 3581
Delta R.T. 0.11 min
Lab File: BM005636.D
Acq: 24 May 2016 07:56

Tgt Ion:252 Resp: 2108679

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.6	26.4
125	14.6	7.6	11.4#



Instrument :
BNA_M
ClientSampleId :
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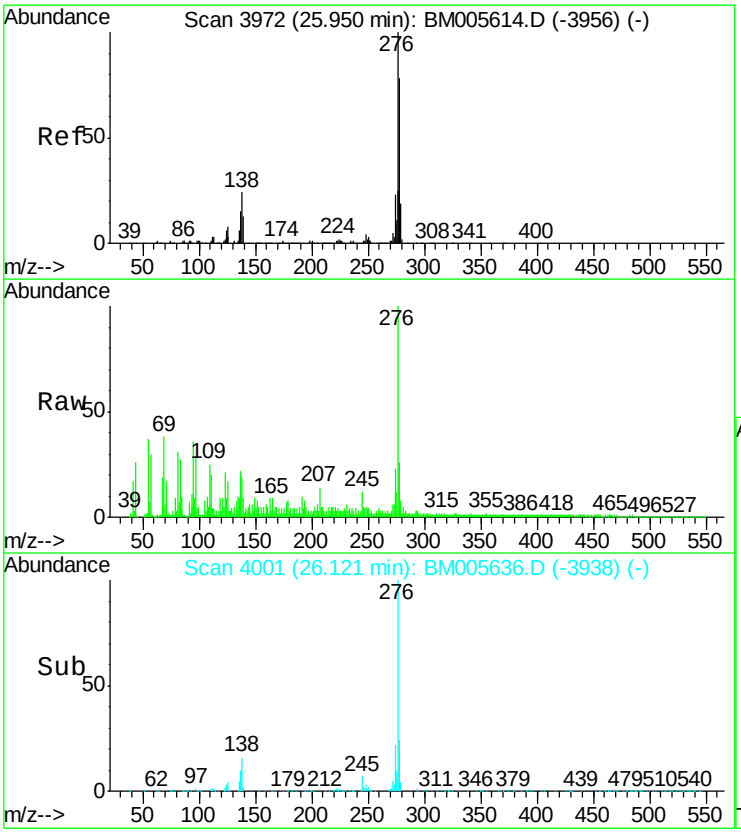
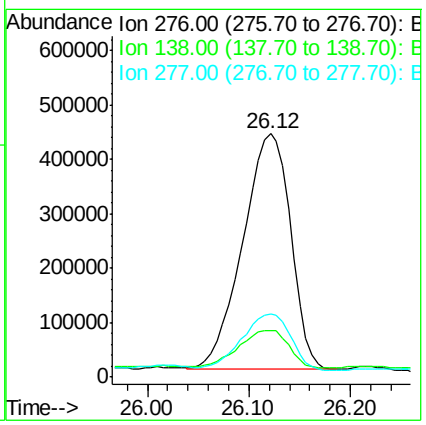
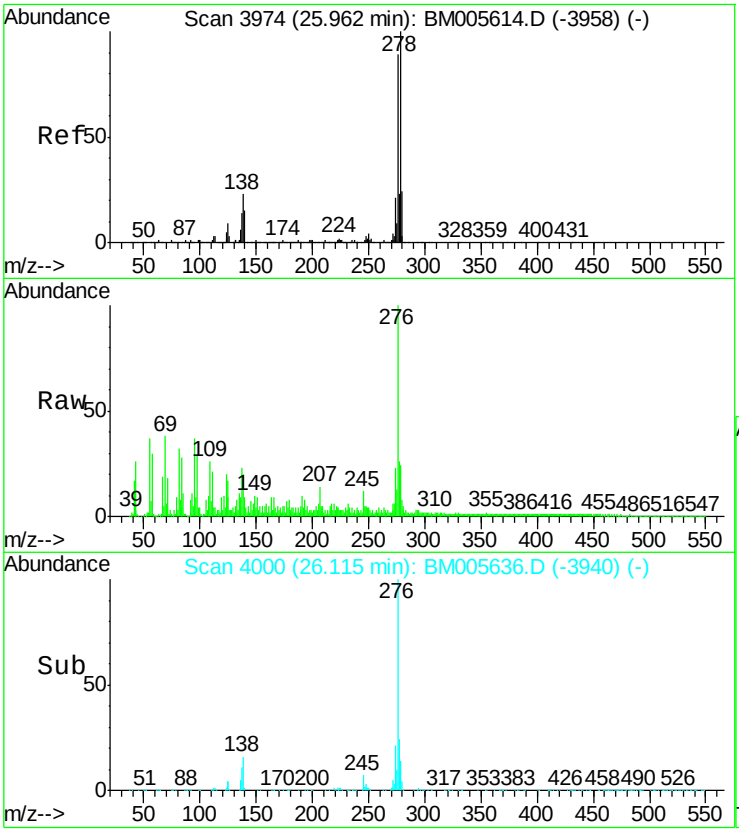


#89
Indeno(1,2,3-cd)pyrene
Concen: 50.36 ng/ul
RT: 26.12 min Scan# 4001
Delta R.T. 0.17 min
Lab File: BM005636.D
Acq: 24 May 2016 07:56

Tgt Ion:276 Resp: 1429000

Ion	Ratio	Lower	Upper
276	100		
138	19.3	16.9	25.3
277	26.2	20.2	30.4





#90
Dibenzo(a,h)anthracene
Concen: 13.41 ng/ul
RT: 26.12 min Scan# 4000
Delta R.T. 0.15 min
Lab File: BM005636.D
Acq: 24 May 2016 07:56

Tgt Ion:278 Resp: 316966

Ion	Ratio	Lower	Upper
278	100		
139	37.0	11.8	17.6#
279	33.8	19.4	29.2#

Instrument :
BNA_M
ClientSampleId :
JHGK9RE

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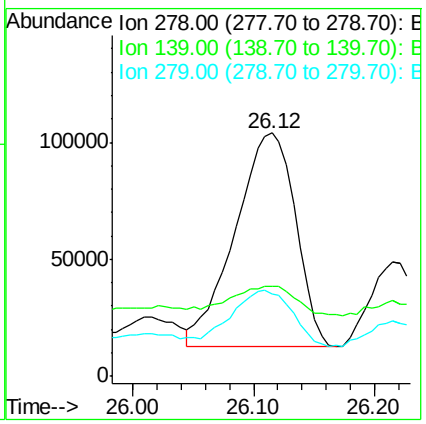

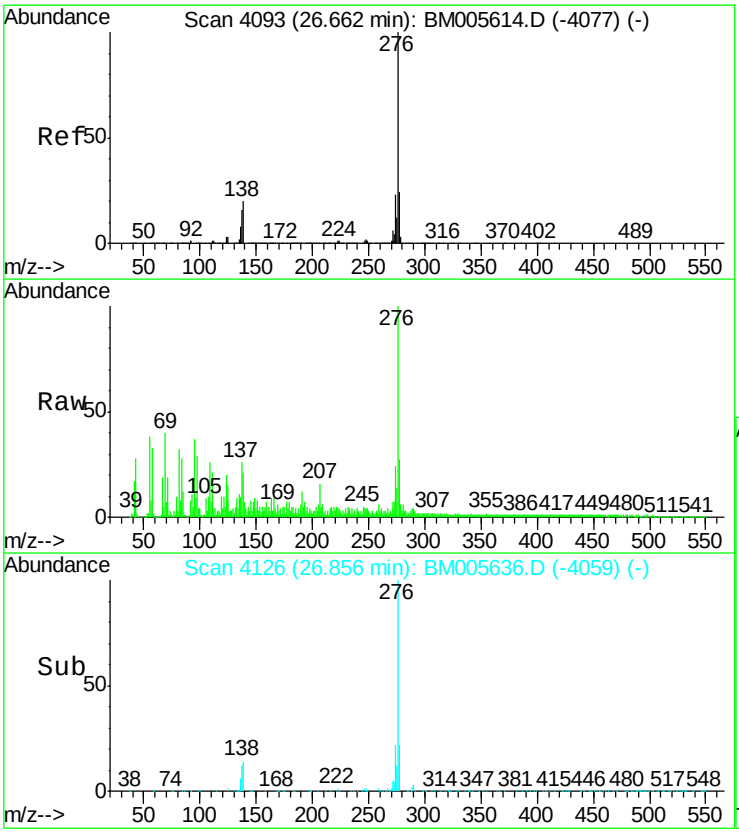

#91
Benzo(g,h,i)perylene
Concen: 57.81 ng/ul
RT: 26.86 min Scan# 4126
Delta R.T. 0.19 min
Lab File: BM005636.D
Acq: 24 May 2016 07:56

Tgt Ion:276 Resp: 1379007

Ion	Ratio	Lower	Upper
276	100		
138	20.6	15.0	22.6
277	26.9	18.6	28.0