Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005598.D
Acq On : 22 May 2016 22:04
Operator : UM/SJ
Sample : H3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK9

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Quant Time: May 24 14:00:13 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)
1) 1,4-Dichlorobenzene-d4	7.82	152	152699	20.00	ng/ul	0.00
18) Naphthalene-d8	10.61	136	589396	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	357304	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	531825	20.00	ng/ul	0.00
75) Chrysene-d12	21.39	240	475531	20.00	ng/ul	0.03
83) Perylene-d12	23.70	264	444353	20.00	ng/ul	0.06
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.29	96	12439	3.57	ng/uL	0.00
5) Phenol-d5	6.98	99	295538	23.61	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	242194	33.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	232216	22.24	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	233588	22.77	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	113963	25.29	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	117987	23.79	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	251129	26.88	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	180152	19.25	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	651192	22.33	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	900764	24.70	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	115652	20.96	ng/ul	0.00
57) Fluorene-d10	15.44	176	619409	24.41	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	36567	11.95	ng/ul	0.00
70) Anthracene-d10	17.29	188	644742	25.45	ng/ul	0.00
76) Pyrene-d10	19.60	212	607915	28.23	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.55	264	509644	24.56	ng/ul	0.05
Target Compounds						Qvalue
6) Phenol	7.01	94	13214	1.02	ng/ul#	71
14) Acetophenone	8.63	105	31347	2.03	ng/ul#	63
24) 2,4-Dimethylphenol	9.82	107	67118	6.09	ng/ul#	71
28) Naphthalene	10.66	128	178959	6.04	ng/ul	98
34) 2-Methylnaphthalene	12.27	142	49539	2.29	ng/ul	97
40) 1,1'-Biphenyl	13.29	154	33832	1.13	ng/ul#	75
44) Dimethylphthalate	13.90	163	316159	10.97	ng/ul#	94
47) Acenaphthylene	14.17	152	655357	17.69	ng/ul	95
49) Acenaphthene	14.52	153	70486	2.89	ng/ul#	93
53) Dibenzofuran	14.84	168	72315	2.07	ng/ul#	74
58) Fluorene	15.50	166	229881	8.23	ng/ul#	94
69) Phenanthrene	17.24	178	2074362	69.79	ng/ul	98
71) Anthracene	17.33	178	603013	19.91	ng/ul	96
72) Carbazole	17.60	167	91657	3.49	ng/ul#	50
74) Fluoranthene	19.27	202	5012840	149.83	ng/ul	96
77) Pyrene	19.64	202	5708575	208.82	ng/ul	96
80) Benzo(a)anthracene	21.38	228	2231954	79.85	ng/ul#	84
82) Chrysene	21.43	228	2213434	83.23	ng/ul	95
85) Benzo(b)fluoranthene	23.01	252	2352543	89.76	ng/ul#	77
86) Benzo(k)fluoranthene	23.04	252	615102m	24.79	ng/ul	
88) Benzo(a)pyrene	23.61	252	2217760	87.23	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	26.04	276	1299309	43.03	ng/ul	96
90) Dibenzo(a,h)anthracene	26.04	278	291393	11.59	ng/ul#	77

Quantitation Report (QT/LSC Reviewed)

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Data File : BM005598.D
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Operator : UM/SJ
Sample : H3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGK9

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Quant Time: May 24 14:00:13 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)
91) Benzo(g,h,i)perylene	26.76	276	1230690	48.48	ng/ul	95

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

Quantitation Report (QT/LSC Reviewed)

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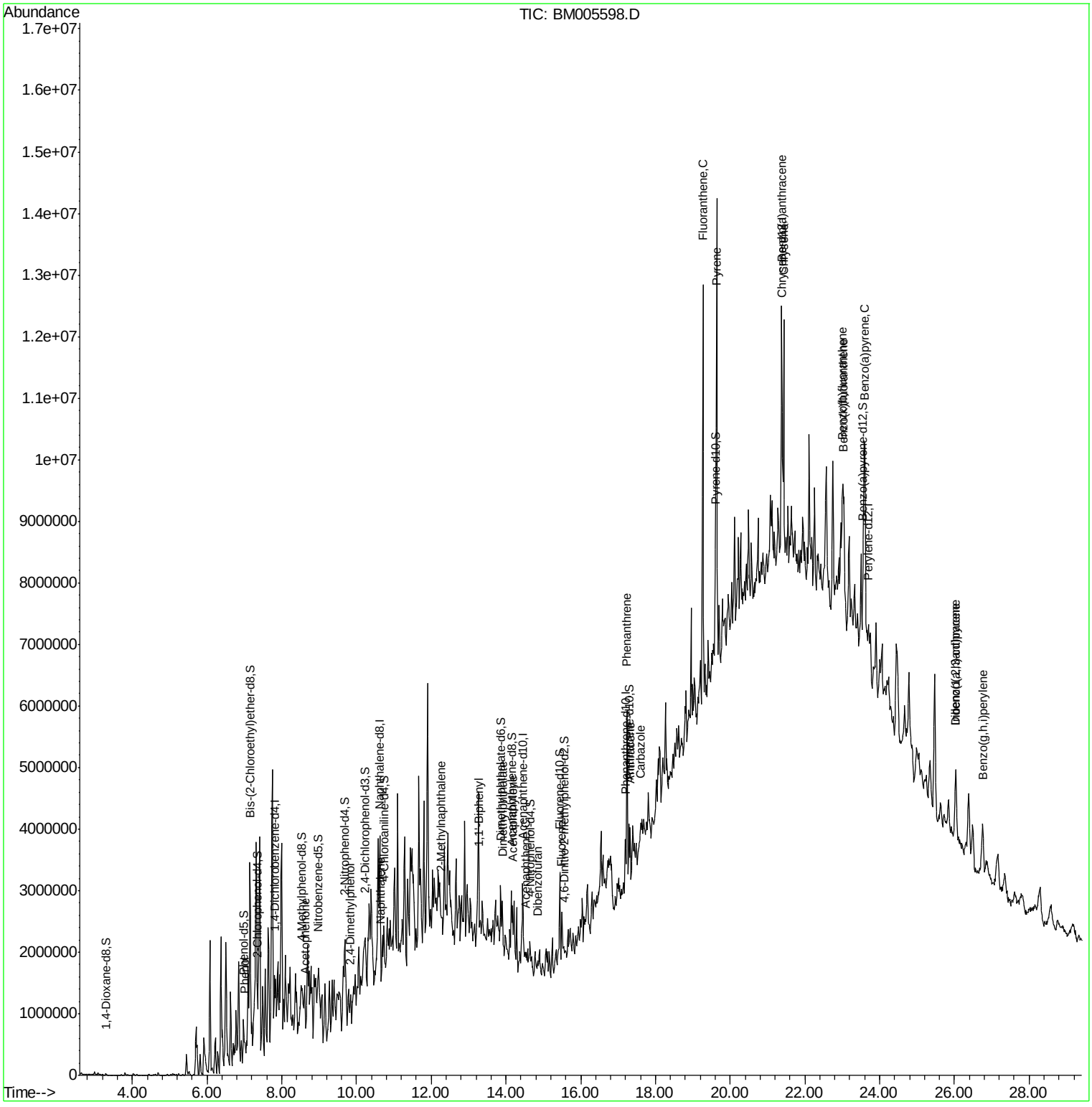
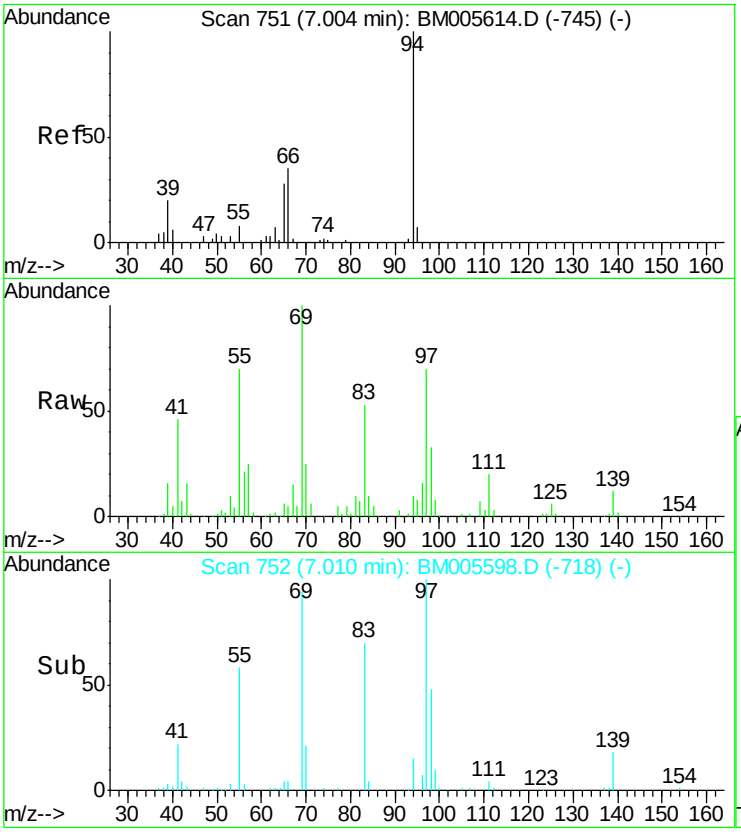
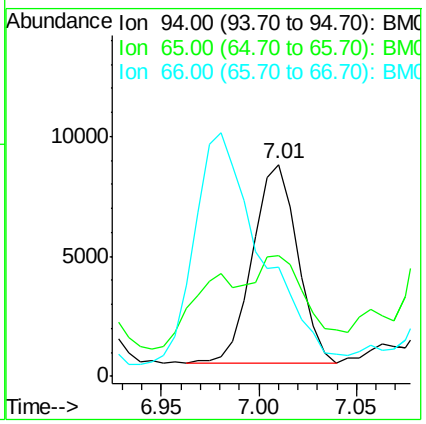




#6
Phenol
Concen: 1.02 ng/ul
RT: 7.01 min Scan# 752
Delta R.T. -0.00 min
Lab File: BM005598.D
Acq: 22 May 2016 22:04

Tgt Ion: 94 Resp: 13214

Ion	Ratio	Lower	Upper
94	100		
65	57.0	24.2	36.2#
66	51.6	33.9	50.9#



Instrument :
BNA_M
ClientSampleId :
JHGK9

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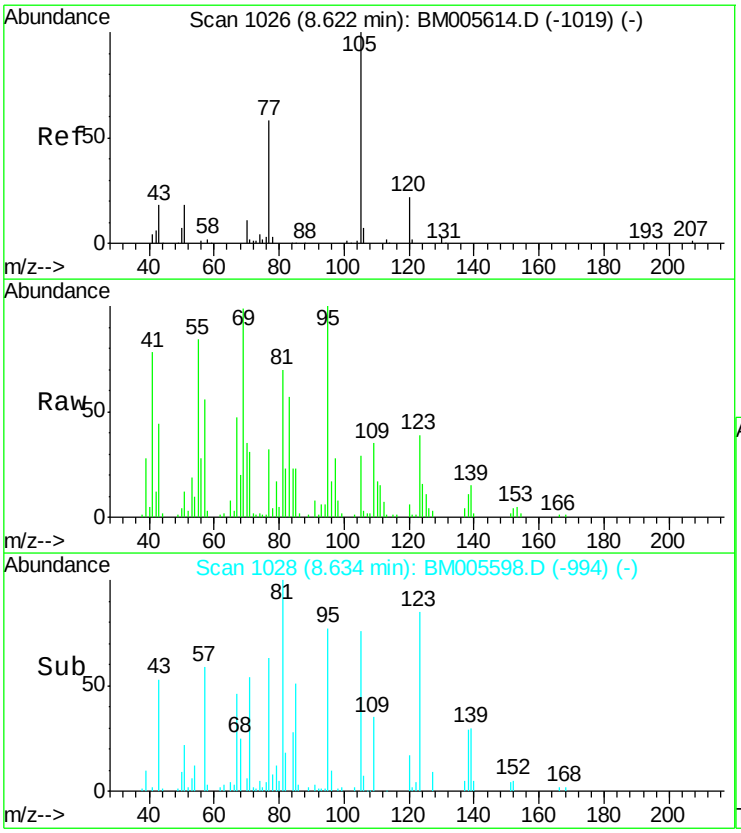
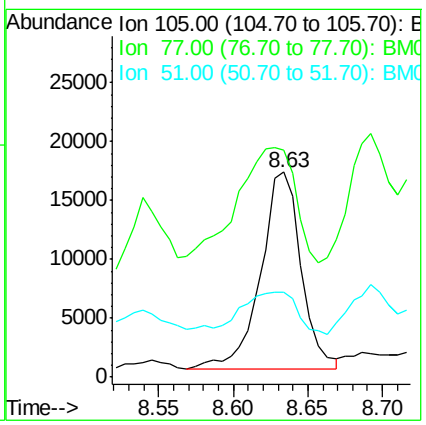
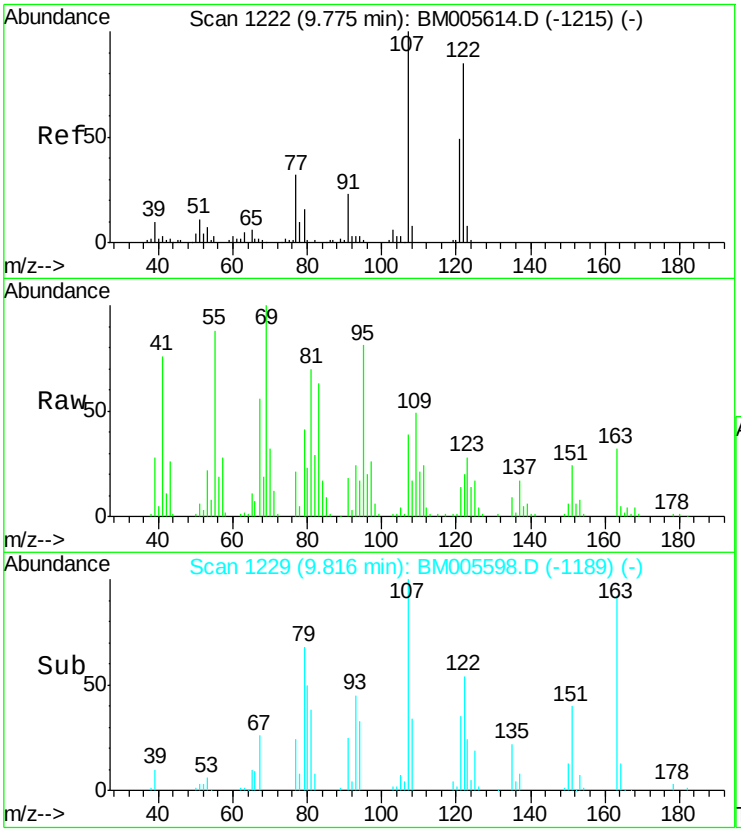


#14
Acetophenone
Concen: 2.03 ng/ul
RT: 8.63 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BM005598.D
Acq: 22 May 2016 22:04

Tgt Ion:105 Resp: 31347

Ion	Ratio	Lower	Upper
105	100		
77	110.8	60.8	91.2#
51	41.7	22.2	33.2#

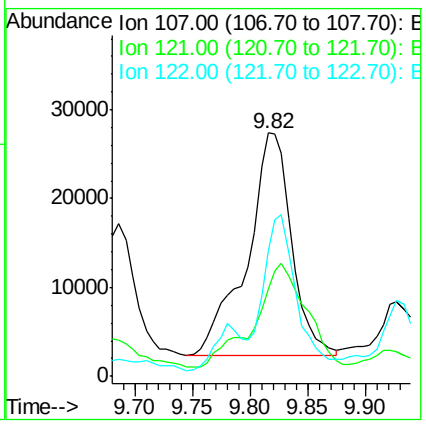




#24
2,4-Dimethylphenol
Concen: 6.09 ng/ul
RT: 9.82 min Scan# 1229
Delta R.T. 0.04 min
Lab File: BM005598.D
Acq: 22 May 2016 22:04

Tgt Ion:107 Resp: 67118

Ion	Ratio	Lower	Upper
107	100		
121	35.8	37.5	56.3#
122	51.5	66.9	100.3#



Instrument :
BNA_M
ClientSampleId :
JHGK9

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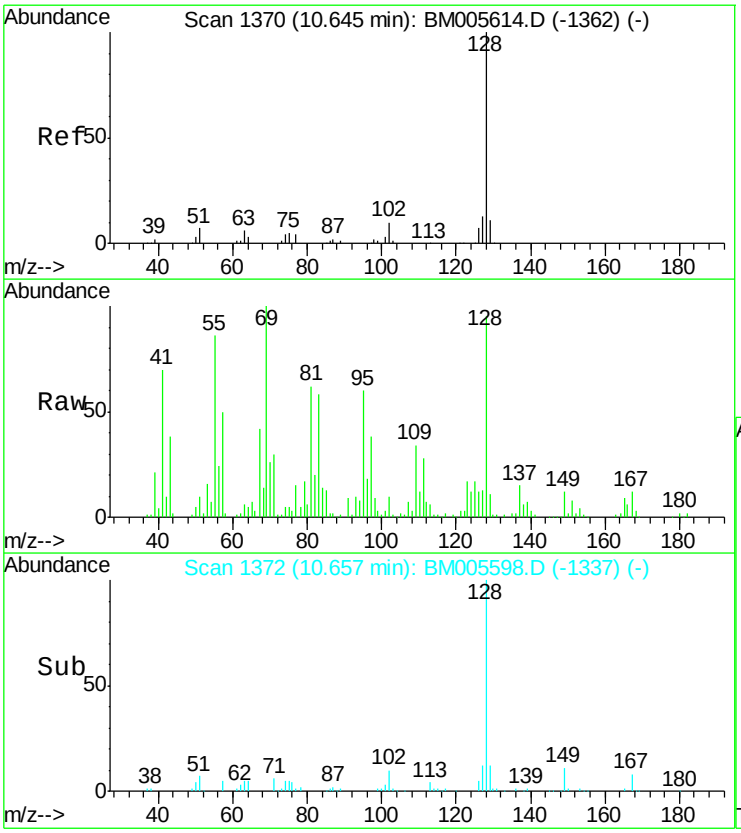
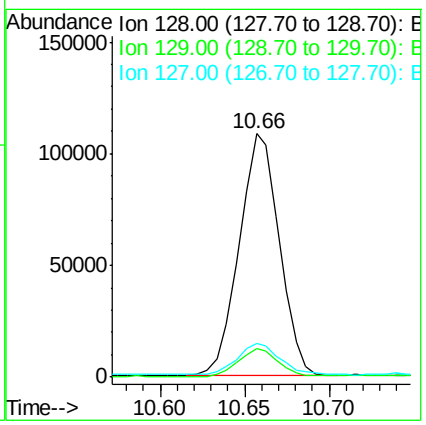
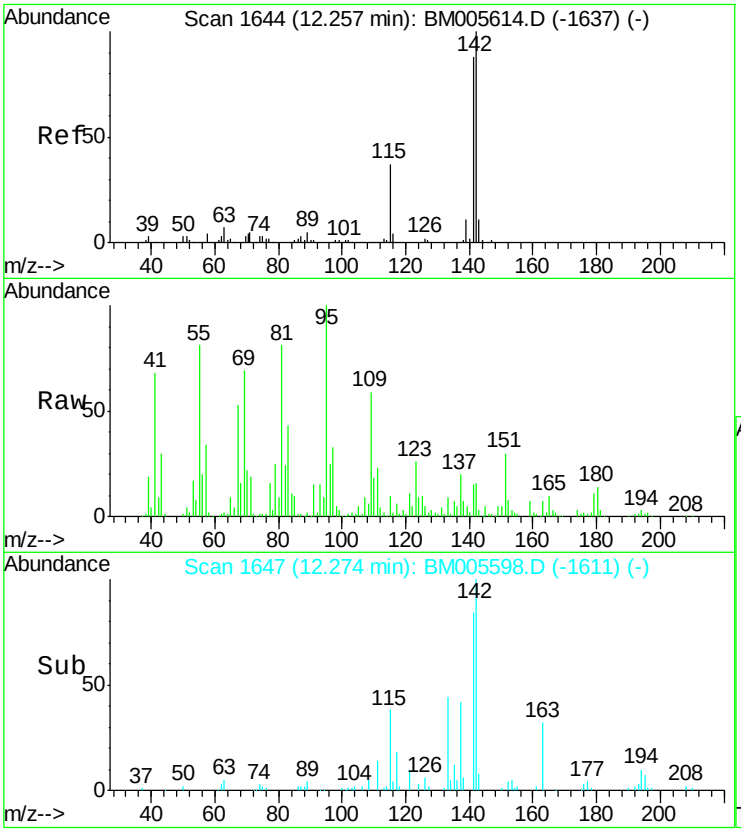


#28
Naphthalene
Concen: 6.04 ng/ul
RT: 10.66 min Scan# 1372
Delta R.T. 0.01 min
Lab File: BM005598.D
Acq: 22 May 2016 22:04

Tgt Ion:128 Resp: 178959

Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.6	13.0
127	14.0	10.6	15.8





#34
2-Methylnaphthalene
Concen: 2.29 ng/ul
RT: 12.27 min Scan# 1647
Delta R.T. 0.01 min
Lab File: BM005598.D
Acq: 22 May 2016 22:04

Tgt Ion:142 Resp: 49539

Ion	Ratio	Lower	Upper
142	100		
141	91.0	70.6	106.0

Instrument :
BNA_M
ClientSampleId :
JHGK9

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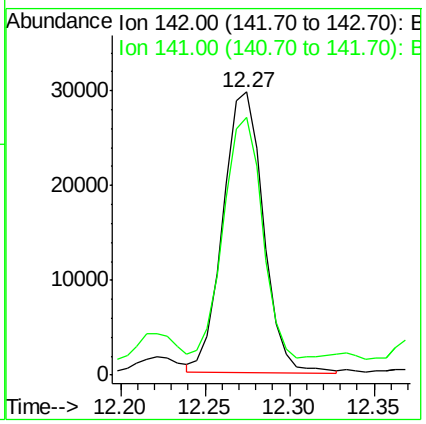
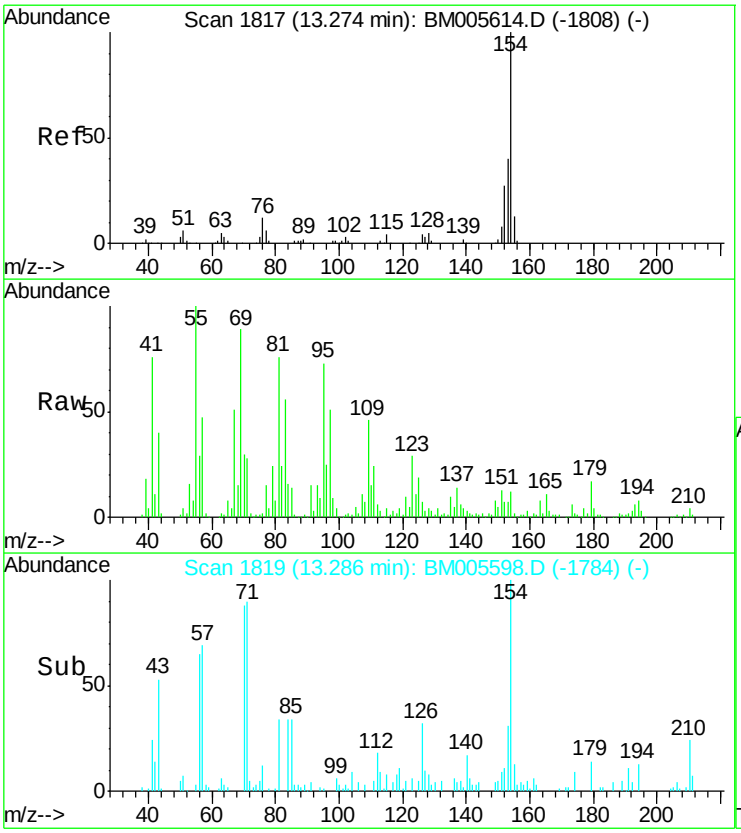
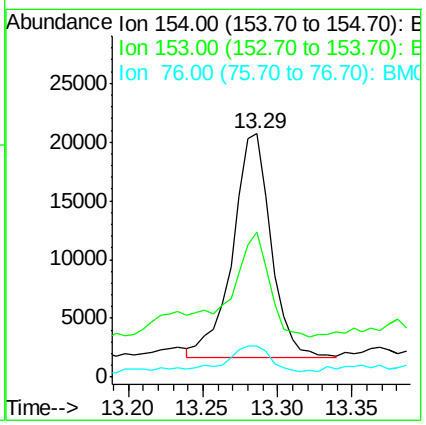


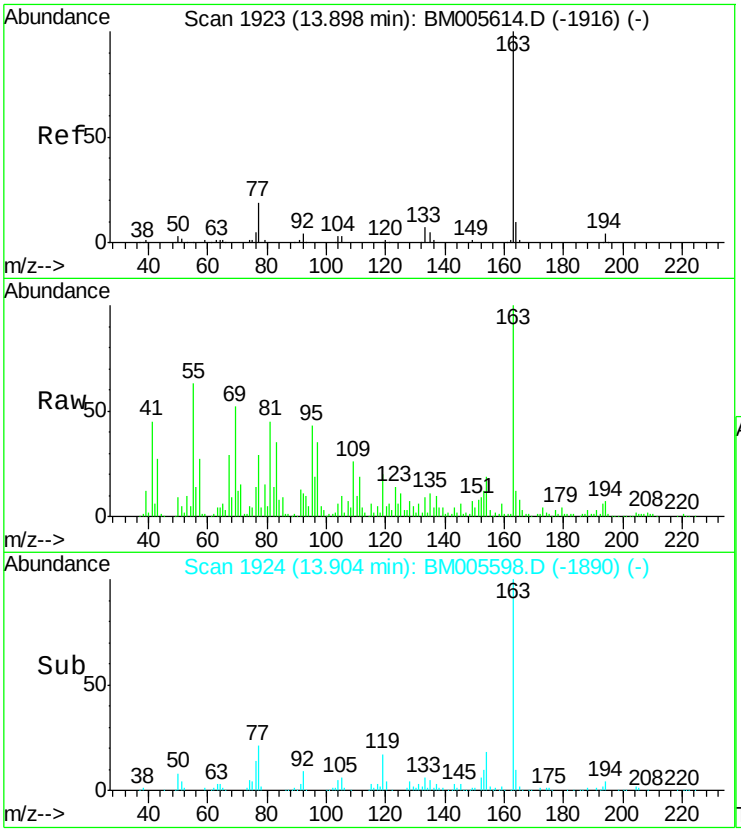


#40
1,1'-Biphenyl
Concen: 1.13 ng/ul
RT: 13.29 min Scan# 1819
Delta R.T. 0.01 min
Lab File: BM005598.D
Acq: 22 May 2016 22:04

Tgt Ion:154 Resp: 33832

Ion	Ratio	Lower	Upper
154	100		
153	59.4	31.7	47.5#
76	13.0	10.1	15.1





#44
Dimethylphthalate
Concen: 10.97 ng/ul
RT: 13.90 min Scan# 1924
Delta R.T. -0.00 min
Lab File: BM005598.D
Acq: 22 May 2016 22:04

Tgt Ion:163 Resp: 316159

Ion	Ratio	Lower	Upper
163	100		
194	7.1	3.4	5.0#
164	11.6	8.0	12.0

Instrument :
BNA_M
ClientSampleId :
JHGK9

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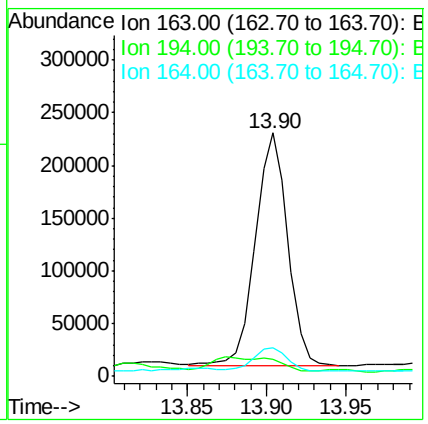
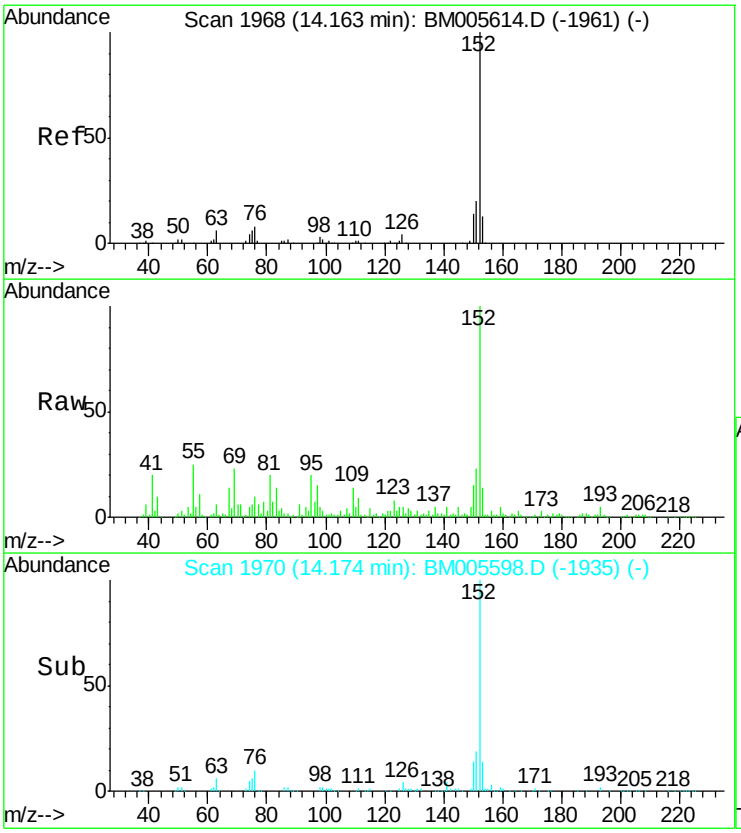
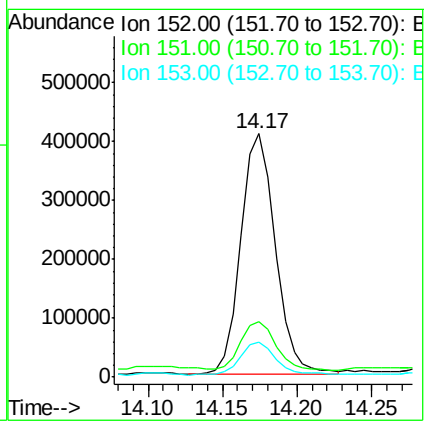


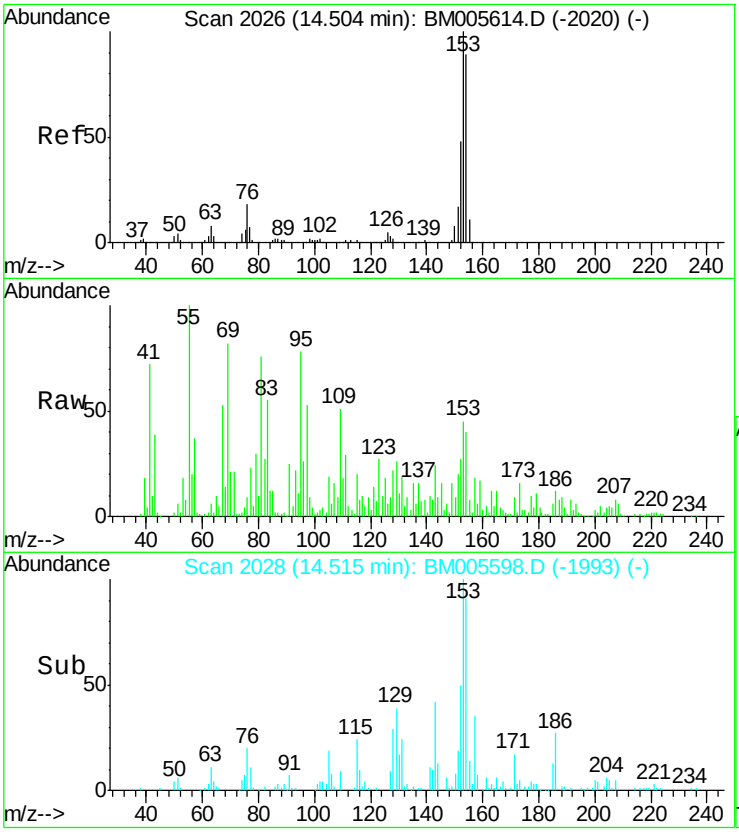


#47
Acenaphthylene
Concen: 17.69 ng/ul
RT: 14.17 min Scan# 1970
Delta R.T. 0.01 min
Lab File: BM005598.D
Acq: 22 May 2016 22:04

Tgt Ion:152 Resp: 655357

Ion	Ratio	Lower	Upper
152	100		
151	22.8	15.7	23.5
153	14.3	10.5	15.7

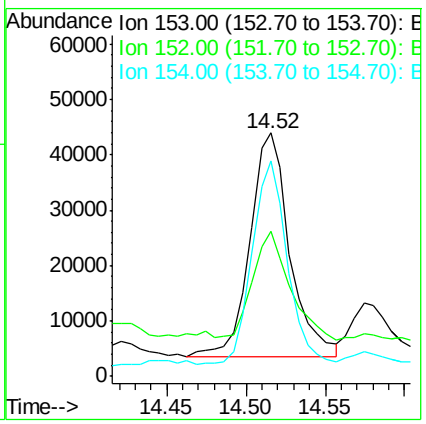




#49
Acenaphthene
Concen: 2.89 ng/ul
RT: 14.52 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BM005598.D
Acq: 22 May 2016 22:04

Tgt Ion:153 Resp: 70486

Ion	Ratio	Lower	Upper
153	100		
152	59.4	37.8	56.6#
154	88.6	71.1	106.7



Instrument :
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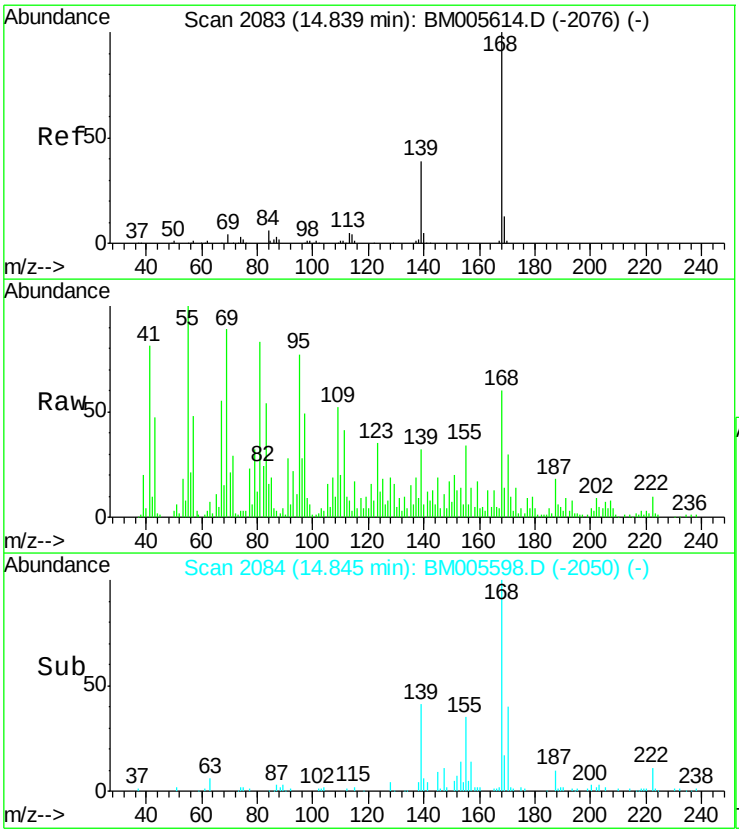
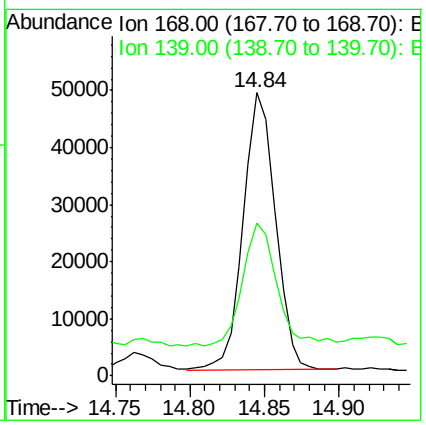
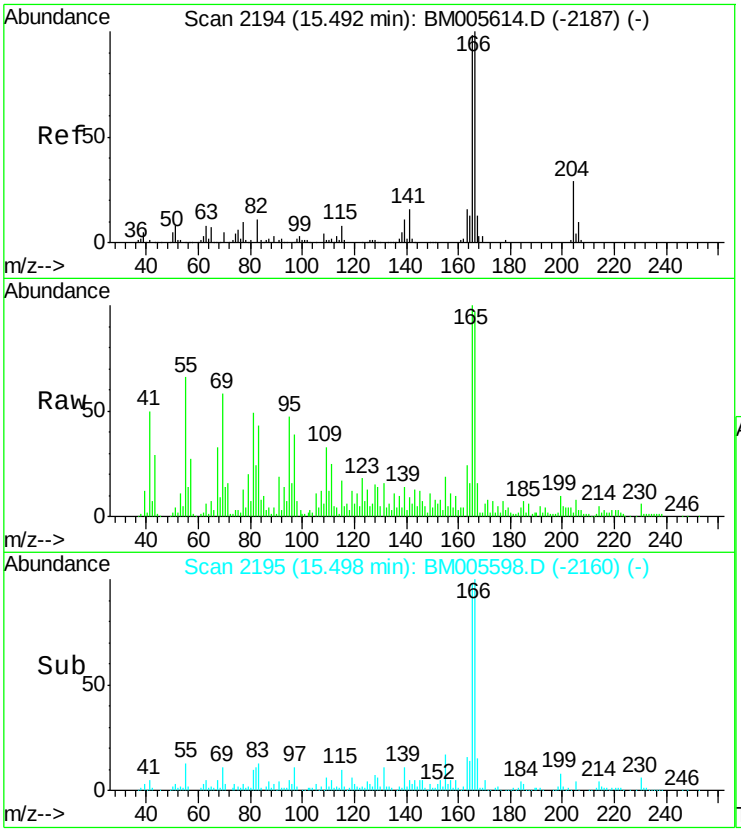


#53
Dibenzofuran
Concen: 2.07 ng/ul
RT: 14.84 min Scan# 2084
Delta R.T. -0.00 min
Lab File: BM005598.D
Acq: 22 May 2016 22:04

Tgt Ion:168 Resp: 72315

Ion	Ratio	Lower	Upper
168	100		
139	53.8	30.6	46.0#

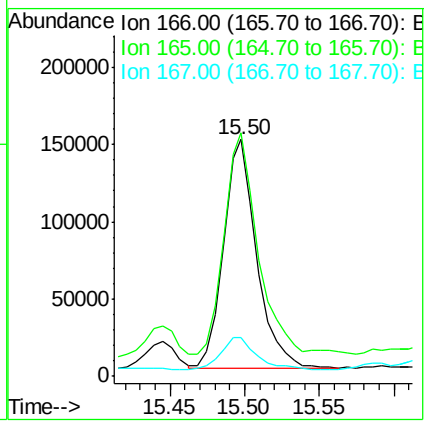




#58
Fluorene
Concen: 8.23 ng/ul
RT: 15.50 min Scan# 2195
Delta R.T. 0.01 min
Lab File: BM005598.D
Acq: 22 May 2016 22:04

Tgt Ion:166 Resp: 229881

Ion	Ratio	Lower	Upper
166	100		
165	102.7	78.0	117.0
167	16.2	10.5	15.7#



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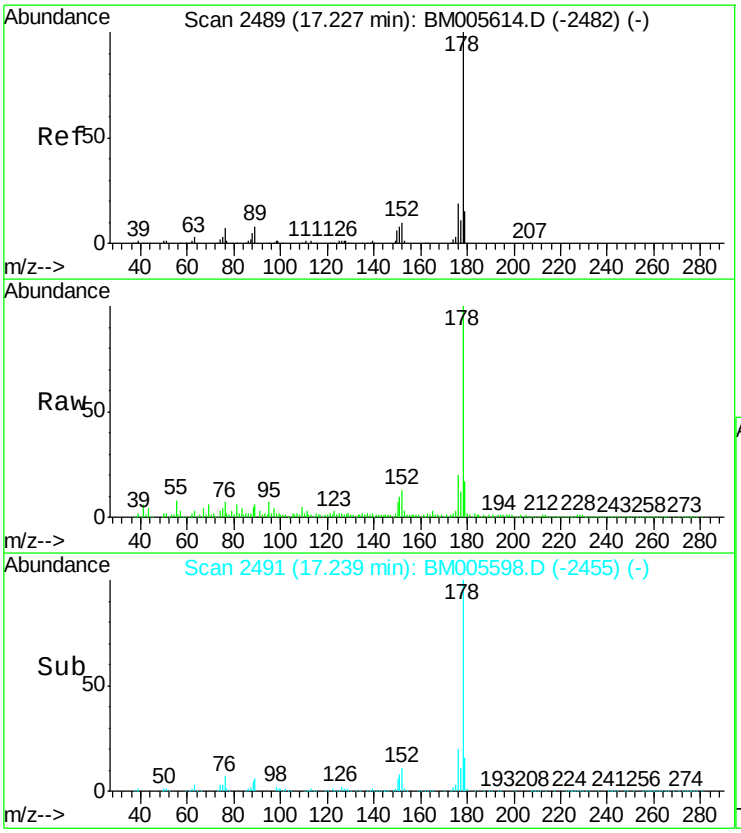
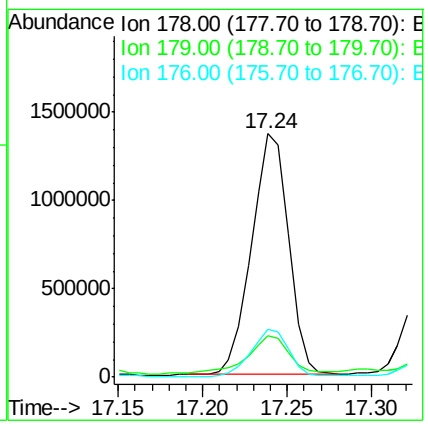
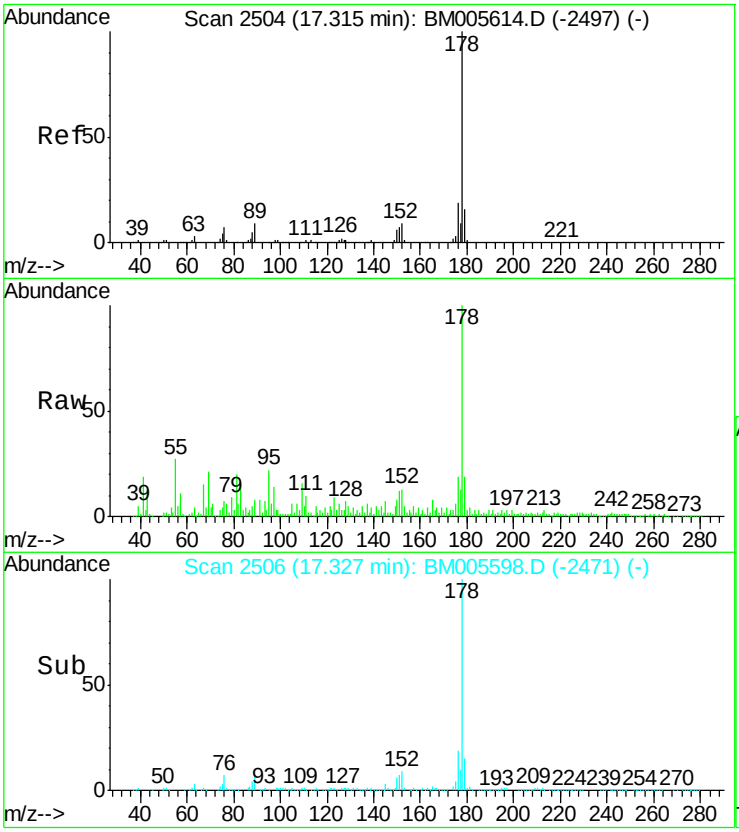


#69
Phenanthrene
Concen: 69.79 ng/ul
RT: 17.24 min Scan# 2491
Delta R.T. 0.01 min
Lab File: BM005598.D
Acq: 22 May 2016 22:04

Tgt Ion:178 Resp: 2074362

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

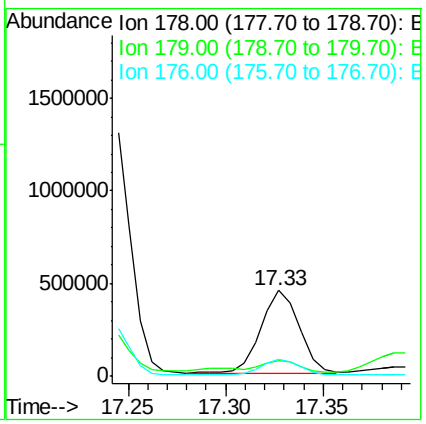




#71
Anthracene
Concen: 19.91 ng/ul
RT: 17.33 min Scan# 2506
Delta R.T. 0.01 min
Lab File: BM005598.D
Acq: 22 May 2016 22:04

Tgt Ion:178 Resp: 603013

Ion	Ratio	Lower	Upper
178	100		
179	18.6	12.6	18.8
176	19.2	15.0	22.4



Instrument :
BNA_M
ClientSampleId :
JHGK9

Manual Integrations APPROVED
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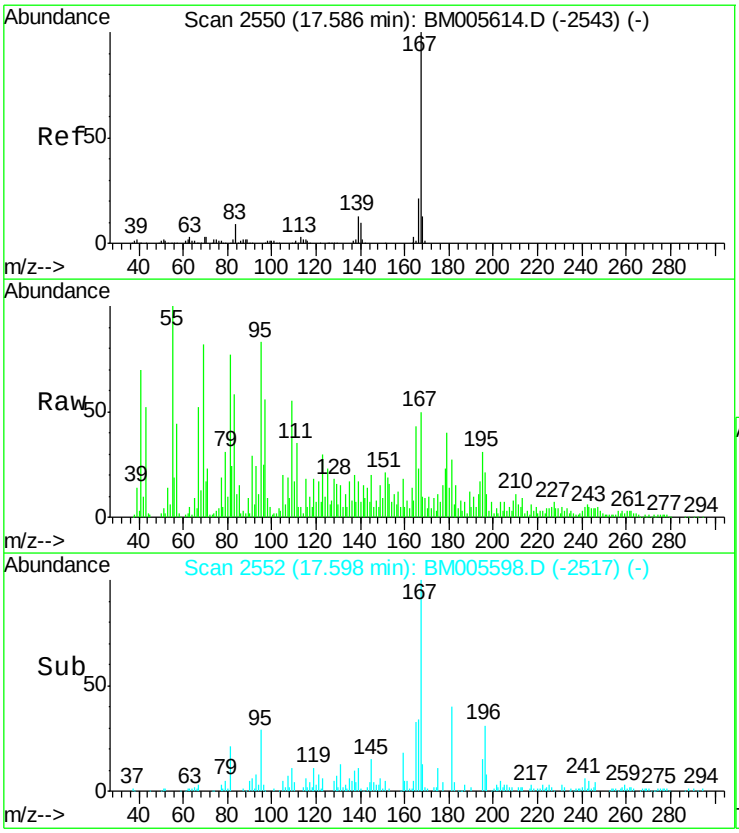
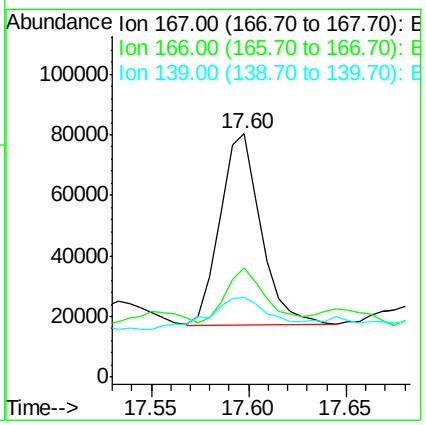
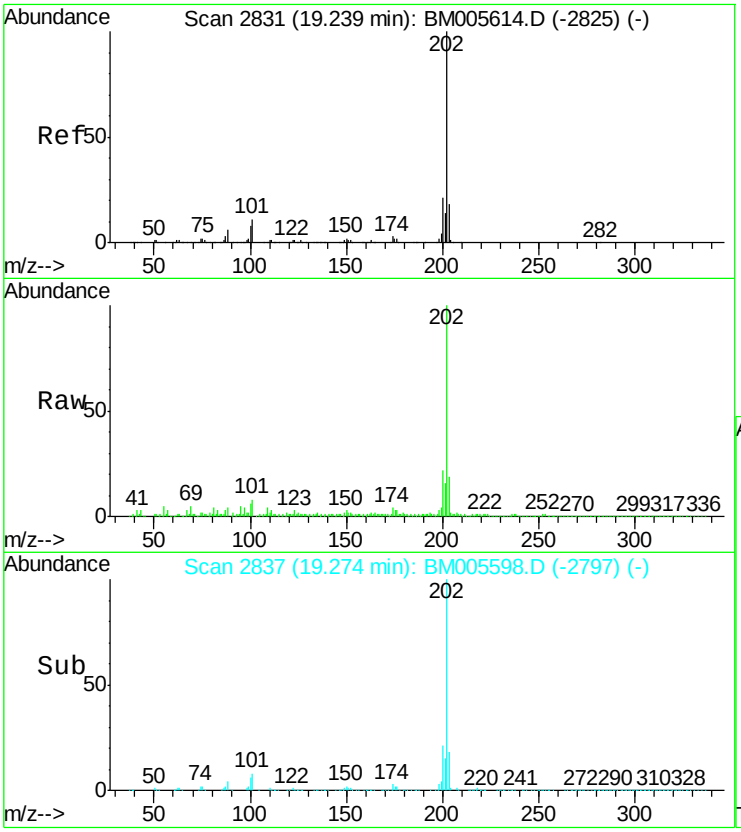


#72
Carbazole
Concen: 3.49 ng/ul
RT: 17.60 min Scan# 2552
Delta R.T. 0.01 min
Lab File: BM005598.D
Acq: 22 May 2016 22:04

Tgt Ion:167 Resp: 91657

Ion	Ratio	Lower	Upper
167	100		
166	44.8	16.9	25.3#
139	32.9	10.6	16.0#

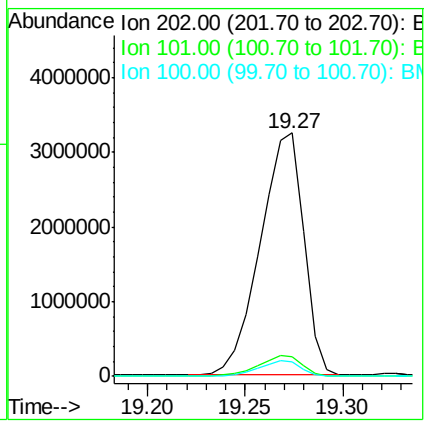




#74
Fluoranthene
Concen: 149.83 ng/ul
RT: 19.27 min Scan# 2837
Delta R.T. 0.04 min
Lab File: BM005598.D
Acq: 22 May 2016 22:04

Tgt Ion:202 Resp: 5012840

Ion	Ratio	Lower	Upper
202	100		
101	8.1	7.9	11.9
100	6.1	5.6	8.4



Instrument :
BNA_M
ClientSampleId :
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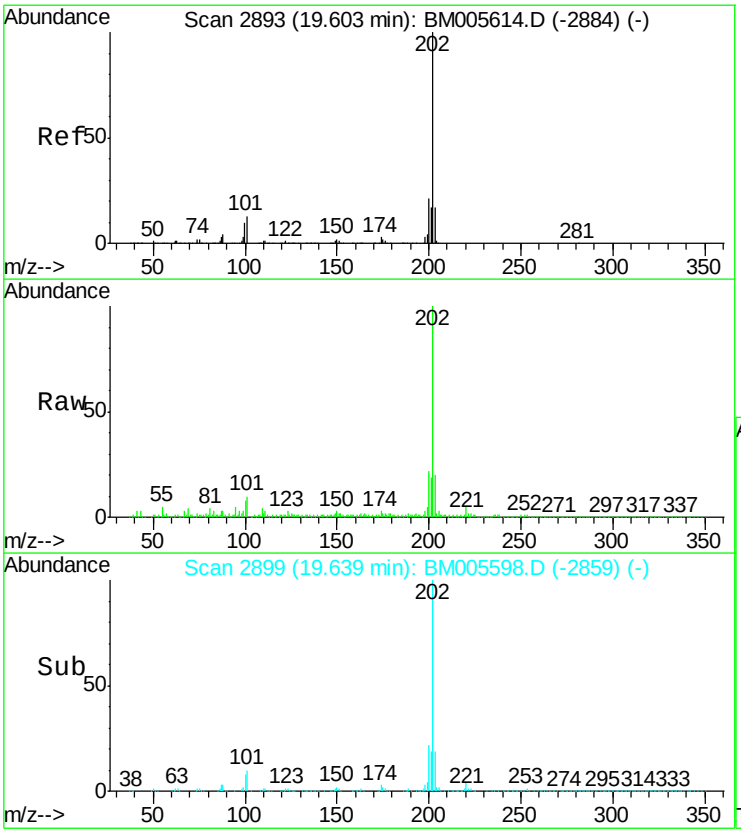
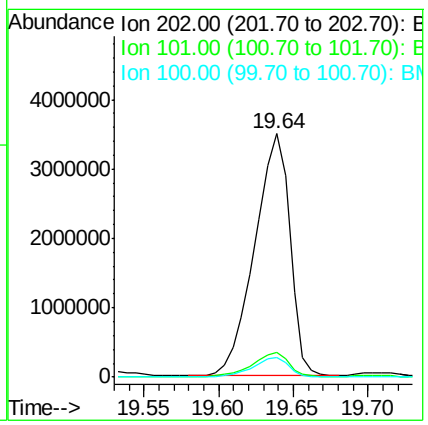
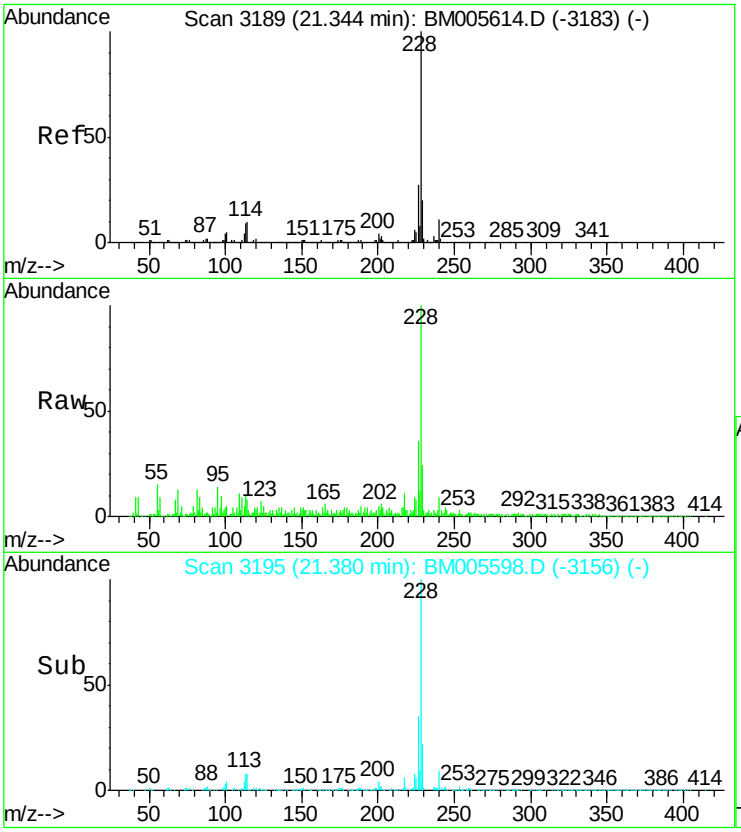


#77
Pyrene
Concen: 208.82 ng/ul
RT: 19.64 min Scan# 2899
Delta R.T. 0.04 min
Lab File: BM005598.D
Acq: 22 May 2016 22:04

Tgt Ion:202 Resp: 5708575

Ion	Ratio	Lower	Upper
202	100		
101	10.3	9.6	14.4
100	8.3	7.8	11.6

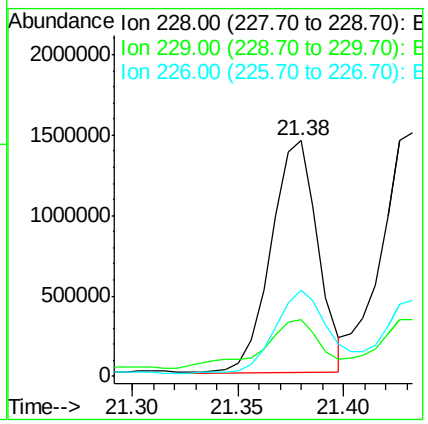




#80
Benzo(a)anthracene
Concen: 79.85 ng/ul
RT: 21.38 min Scan# 3195
Delta R.T. 0.03 min
Lab File: BM005598.D
Acq: 22 May 2016 22:04

Tgt Ion:228 Resp: 2231954

Ion	Ratio	Lower	Upper
228	100		
229	24.2	15.4	23.2#
226	36.3	21.0	31.4#



Instrument :
BNA_M
ClientSampleId :
JHGK9

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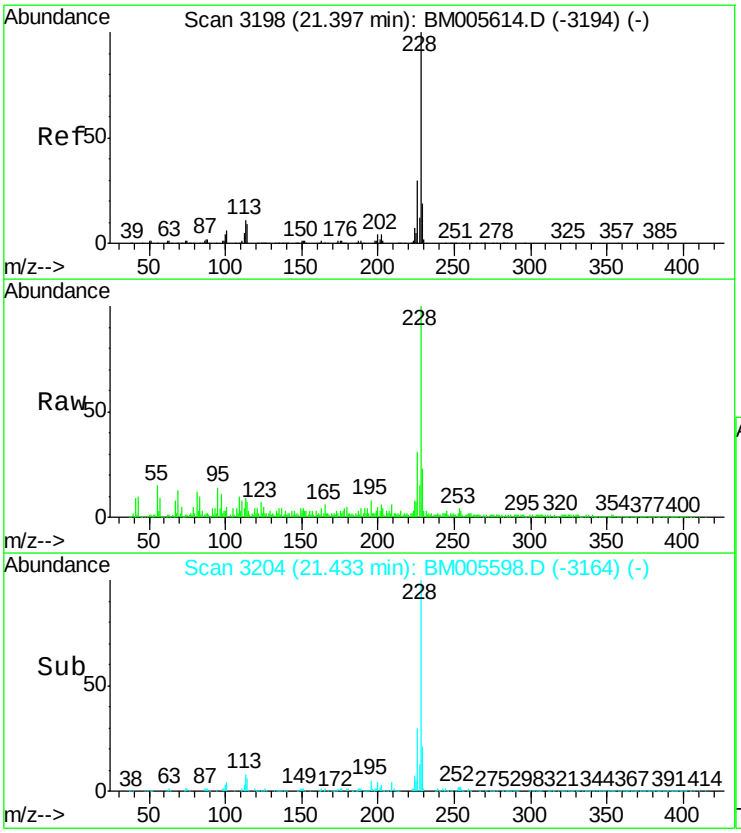
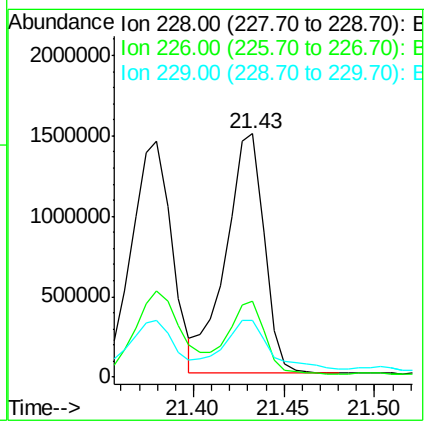
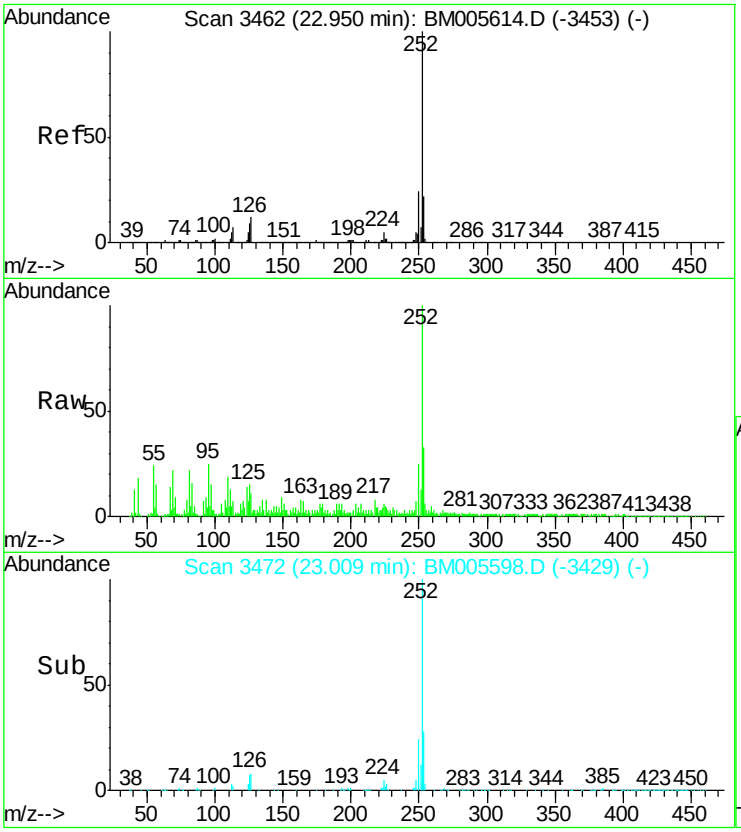


#82
Chrysene
Concen: 83.23 ng/ul
RT: 21.43 min Scan# 3204
Delta R.T. 0.04 min
Lab File: BM005598.D
Acq: 22 May 2016 22:04

Tgt Ion:228 Resp: 2213434

Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.7	35.5
229	23.3	15.5	23.3

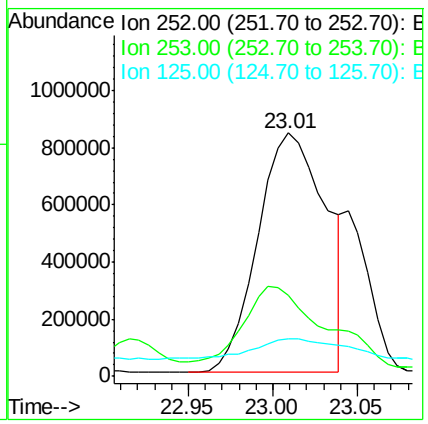




#85
Benzo(b)fluoranthene
Concen: 89.76 ng/ul
RT: 23.01 min Scan# 3472
Delta R.T. 0.05 min
Lab File: BM005598.D
Acq: 22 May 2016 22:04

Tgt Ion:252 Resp: 2352543

Ion	Ratio	Lower	Upper
252	100		
253	33.2	17.3	25.9#
125	15.2	7.0	10.4#



Instrument :
BNA_M
ClientSampleId :
JHGK9

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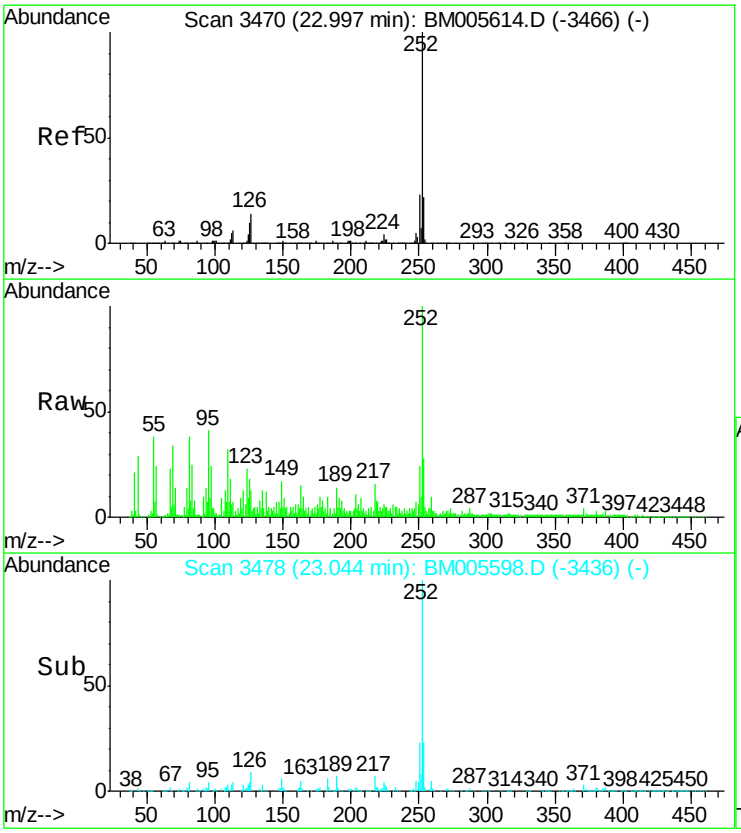
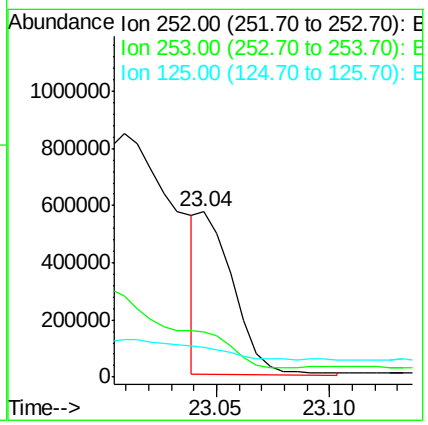
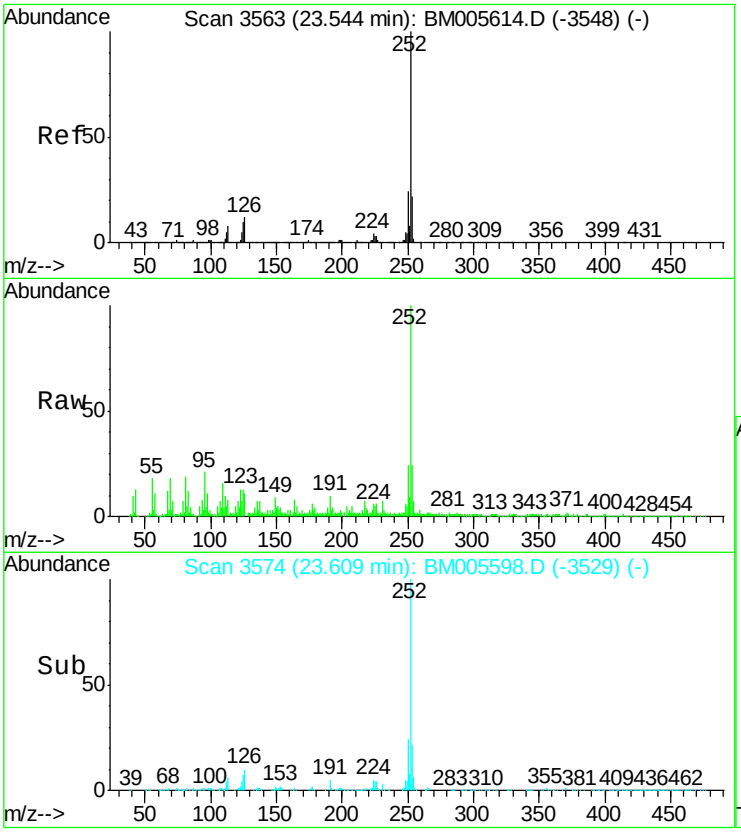


#86
Benzo(k)fluoranthene
Concen: 24.79 ng/ul m
RT: 23.04 min Scan# 3478
Delta R.T. 0.05 min
Lab File: BM005598.D
Acq: 22 May 2016 22:04

Tgt Ion:252 Resp: 615102

Ion	Ratio	Lower	Upper
252	100		
253	27.6	17.5	26.3#
125	18.2	7.0	10.6#





#88
Benzo(a)pyrene
Concen: 87.23 ng/ul
RT: 23.61 min Scan# 3574
Delta R.T. 0.06 min
Lab File: BM005598.D
Acq: 22 May 2016 22:04

Tgt Ion:252 Resp: 2217760

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.6	26.4
125	13.0	7.6	11.4#

Instrument :
BNA_M
ClientSampleId :
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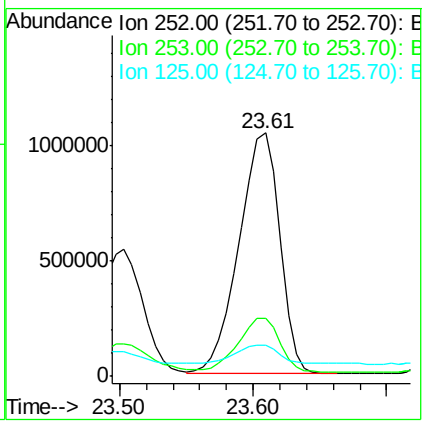
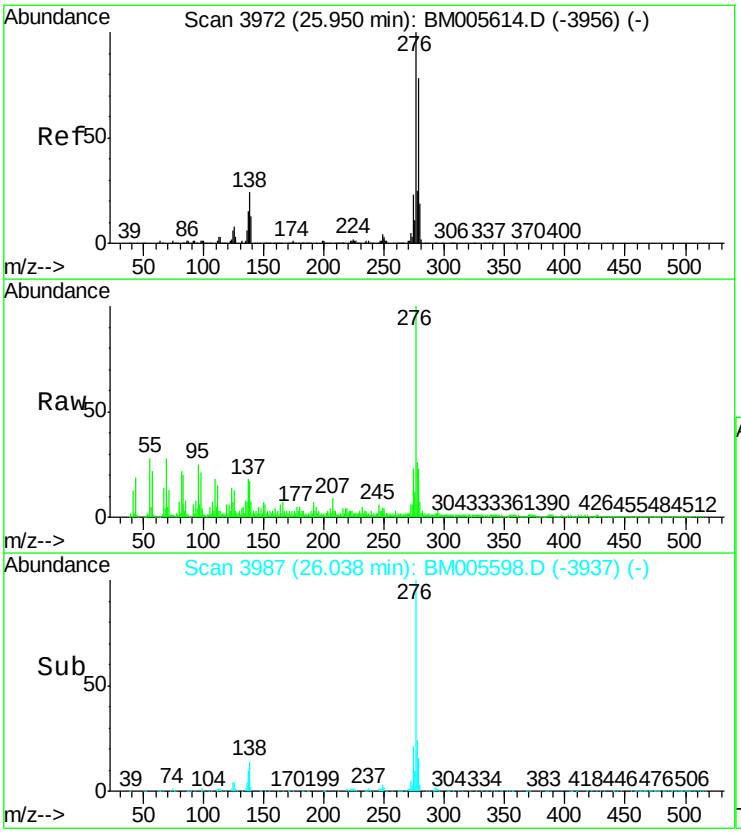
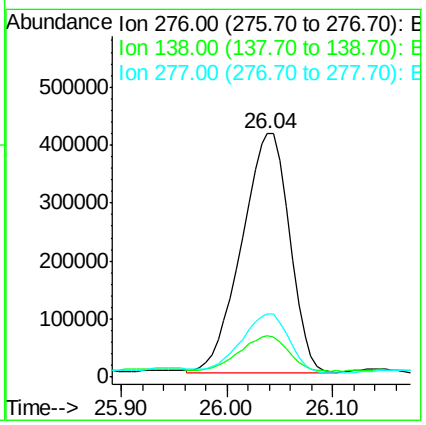


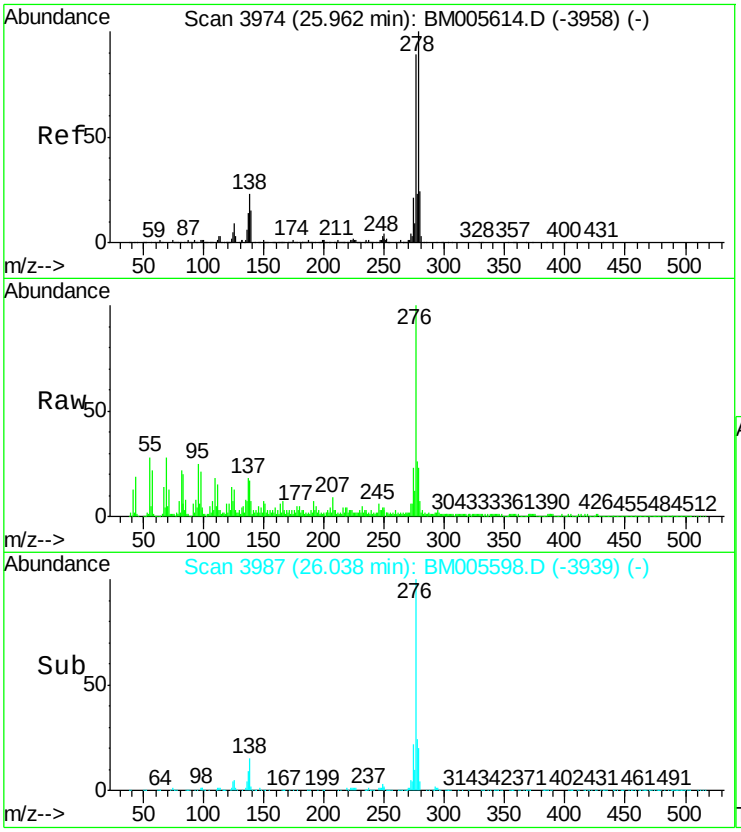


#89
Indeno(1,2,3-cd)pyrene
Concen: 43.03 ng/ul
RT: 26.04 min Scan# 3987
Delta R.T. 0.09 min
Lab File: BM005598.D
Acq: 22 May 2016 22:04

Tgt Ion:276 Resp: 1299309

Ion	Ratio	Lower	Upper
276	100		
138	17.3	16.9	25.3
277	25.8	20.2	30.4

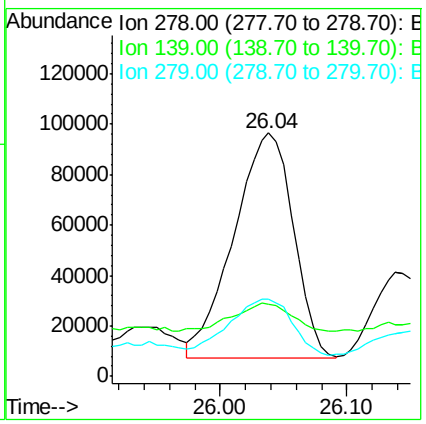




#90
Dibenzo(a,h)anthracene
Concen: 11.59 ng/ul
RT: 26.04 min Scan# 3987
Delta R.T. 0.08 min
Lab File: BM005598.D
Acq: 22 May 2016 22:04

Tgt Ion:278 Resp: 291393

Ion	Ratio	Lower	Upper
278	100		
139	29.8	11.8	17.6#
279	32.0	19.4	29.2#



Instrument :
BNA_M
ClientSampleId :
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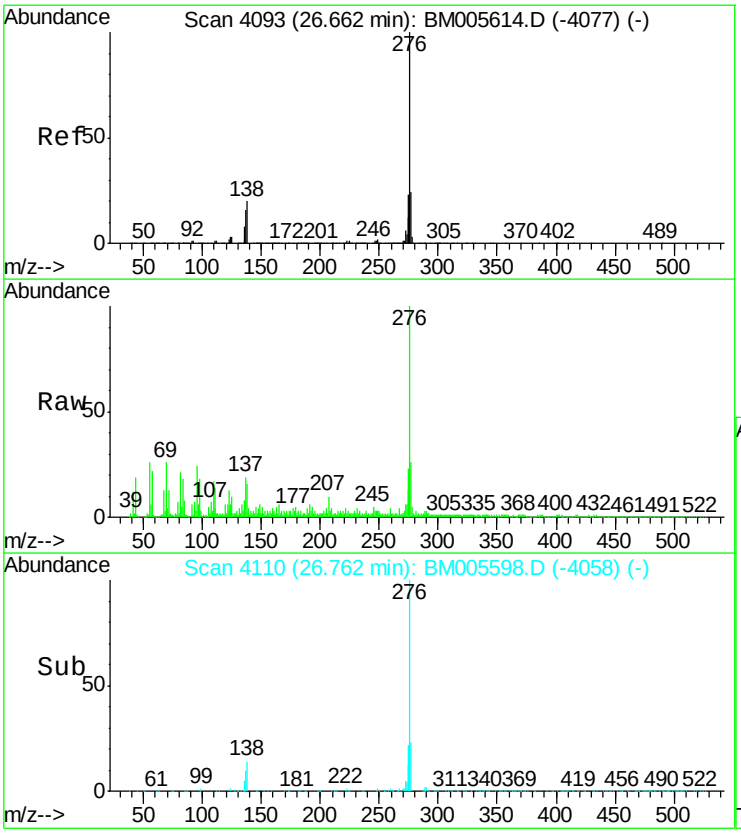

#91
Benzo(g,h,i)perylene
Concen: 48.48 ng/ul
RT: 26.76 min Scan# 4110
Delta R.T. 0.11 min
Lab File: BM005598.D
Acq: 22 May 2016 22:04

Tgt Ion:276 Resp: 1230690

Ion	Ratio	Lower	Upper
276	100		
138	16.2	15.0	22.6
277	25.5	18.6	28.0