Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId :

Quant Time: Oct 13 07:15:25 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 13 04:53:53 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	448950	20.00	ng/ul	0.02
18) Naphthalene-d8	10.66	136	1794044	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.50	164	904066	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.27	188	1727235	20.00	ng/ul	0.04
75) Chrysene-d12	21.47	240	2515743	20.00	ng/ul	0.06
83) Perylene-d12	23.83	264	2578033	20.00	ng/ul	0.11
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.25	96	16247	1.72	ng/uL	0.00
5) Phenol-d5	7.02	99	447160	12.28	ng/ul	0.03
7) Bis-(2-Chloroethyl)ether-d	7.17	67	269838	12.35	ng/ul	0.02
9) 2-Chlorophenol-d4	7.38	132	394614	12.77	ng/ul	0.02
13) 4-Methylphenol-d8	8.56	113	394614	12.58	ng/ul	0.02
19) Nitrobenzene-d5	9.02	128	181872	13.28	ng/ul	0.02
22) 2-Nitrophenol-d4	9.74	143	183360	11.46	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.29	165	395898	12.96	ng/ul	0.03
29) 4-Chloroaniline-d4	10.94	131	3077	0.11	ng/ul	0.16
43) Dimethylphthalate-d6	13.90	166	1095372	13.71	ng/ul	0.02
46) Acenaphthylene-d8	14.20	160	1313191	13.58	ng/ul	0.02
51) 4-Nitrophenol-d4	14.70	143	2497	0.21	ng/ul	0.02
57) Fluorene-d10	15.50	176	832454	12.69	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.65	200	1156	0.10	ng/ul	0.05
70) Anthracene-d10	17.37	188	1220484	14.29	ng/ul	0.05
76) Pyrene-d10	19.67	212	1491480	11.68	ng/ul	0.05
87) Benzo(a)pyrene-d12	23.68	264	1761764	14.18	ng/ul	0.11
Target Compounds						Qvalue
6) Phenol	7.05	94	70328	1.868	ng/ul	88
16) 4-Methylphenol	8.63	108	45130	1.446	ng/ul	100
28) Naphthalene	10.71	128	7595311	81.829	ng/ul	100
30) 4-Chloroaniline	10.71	127	1017904	36.212	ng/ul#	20
34) 2-Methylnaphthalene	12.32	142	3313885	47.311	ng/ul	97
40) 1,1'-Biphenyl	13.33	154	1196678	15.684	ng/ul	99
44) Dimethylphthalate	13.95	163	266867	3.334	ng/ul	100
47) Acenaphthylene	14.23	152	1135697	11.957	ng/ul#	96
49) Acenaphthene	14.57	153	7278905	113.777	ng/ul	99
53) Dibenzofuran	14.91	168	9010928	97.818	ng/ul	100
54) 2,4-Dinitrotoluene	14.90	165	29859	1.297	ng/ul#	1
58) Fluorene	15.56	166	11240762	146.927	ng/ul	98
60) 4-Nitroaniline	15.56	138	137610	9.015	ng/ul#	13
64) N-Nitrosodiphenylamine	15.76	169	124068	2.295	ng/ul#	1
69) Phenanthrene	17.46	178	429045	4.367	ng/ul#	1
71) Anthracene	17.46	178	429045	4.218	ng/ul#	1
72) Carbazole	17.67	167	7469558	86.764	ng/ul	98
74) Fluoranthene	19.43	202	322282	2.718	ng/ul#	64
77) Pyrene	19.60	202	366689	2.207	ng/ul#	80
80) Benzo(a)anthracene	21.49	228	1125082	6.873	ng/ul#	85
82) Chrysene	21.49	228	1125082	7.320	ng/ul#	88
85) Benzo(b)fluoranthene	23.01	252	306613	1.822	ng/ul#	1
86) Benzo(k)fluoranthene	23.29	252	9026516	55.675	ng/ul#	83

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012124.D
Acq On : 13 Oct 2017 06:28
Operator : SJ/JU
Sample : I5533-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId :

Quant Time: Oct 13 07:15:25 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 13 04:53:53 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(a)pyrene	23.89	252	10547186	66.515	ng/ul#	88
89) Indeno(1,2,3-cd)pyrene	26.08	276	563330	3.345	ng/ul#	51
90) Dibenzo(a,h)anthracene	26.29	278	7267346	51.340	ng/ul#	80
91) Benzo(g,h,i)perylene	27.09	276	24180526	175.329	ng/ul#	88

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
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Instrument :
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ClientSampleId :

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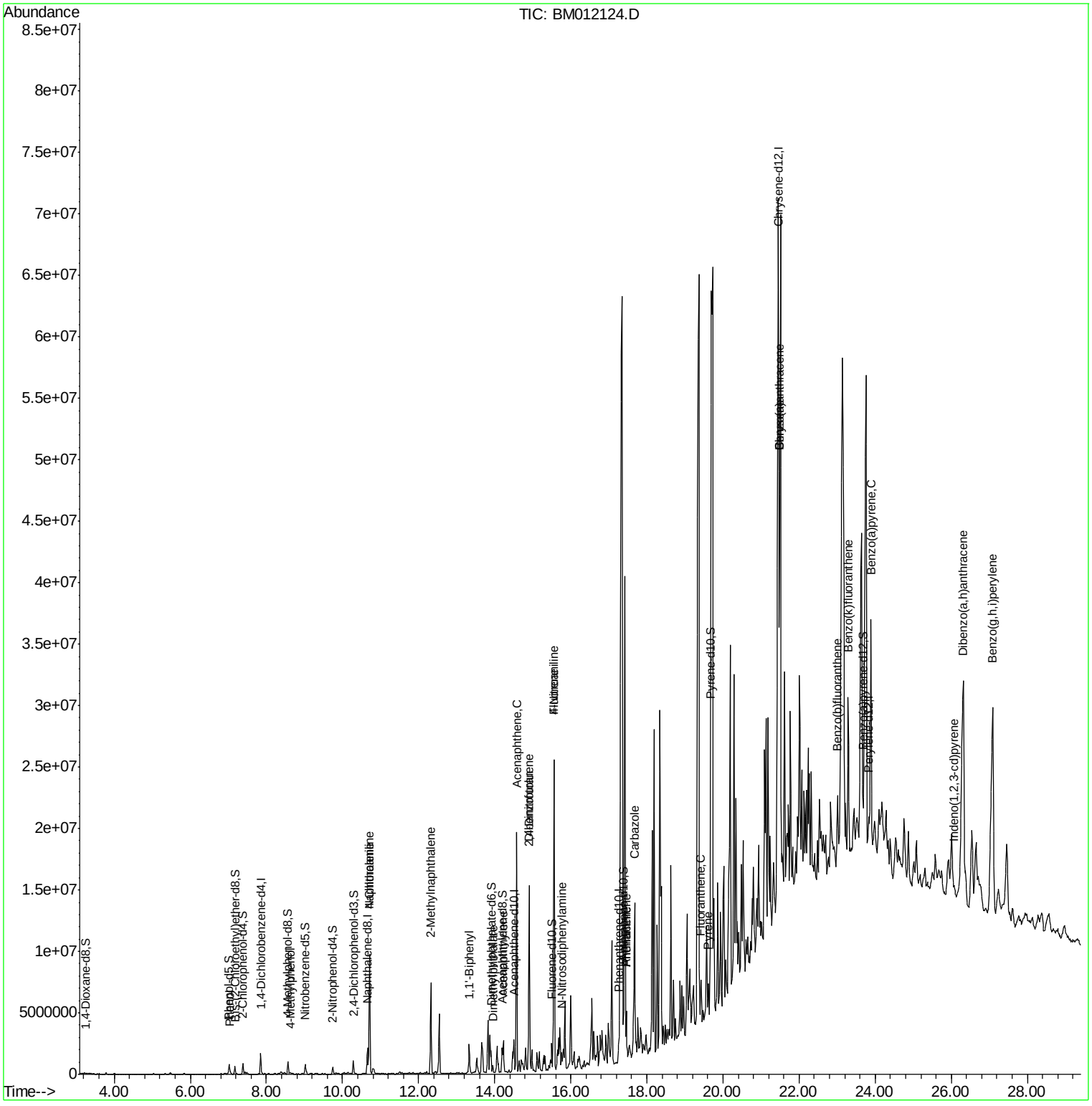
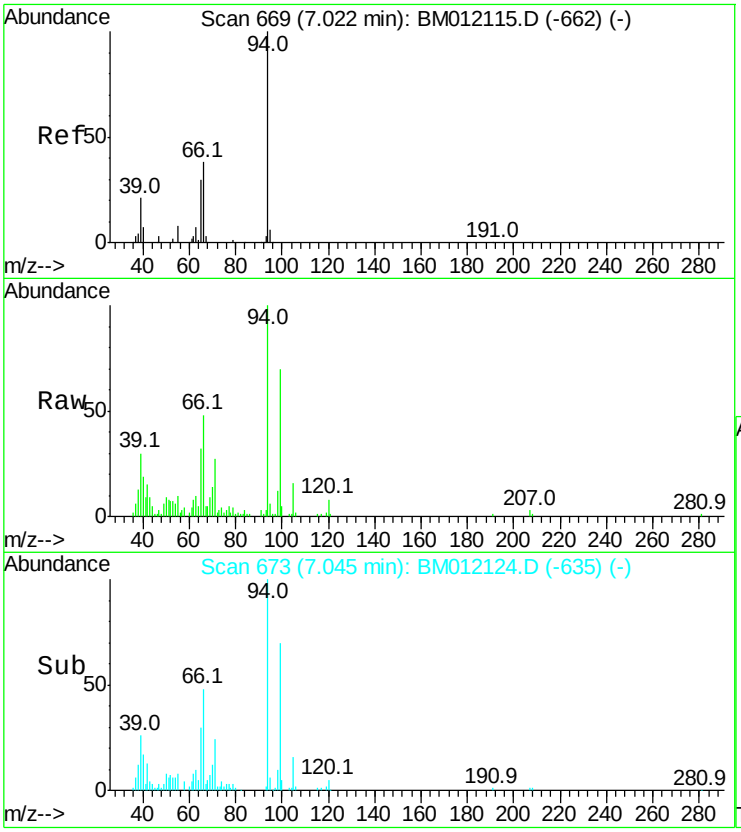
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 13 04:53:53 2017
Response via : Initial Calibration



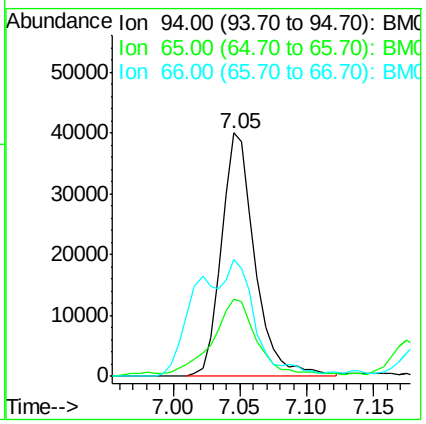


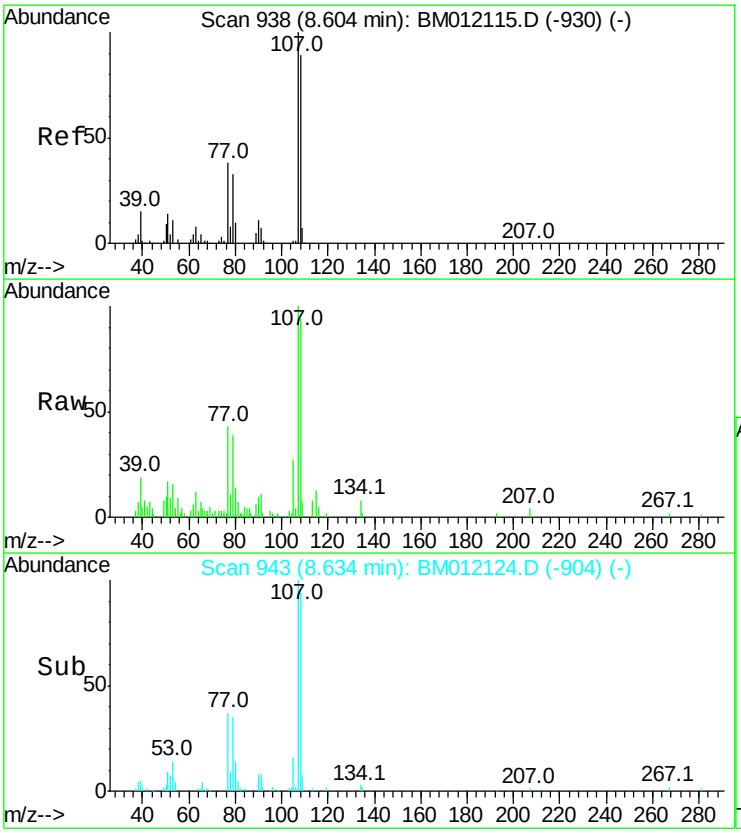
#6
Phenol
Concen: 1.868 ng/ul
RT: 7.05 min Scan# 673
Delta R.T. 0.02 min
Lab File: BM012124.D
Acq: 13 Oct 2017 06:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 94 Resp: 70328

Ion	Ratio	Lower	Upper
94	100		
65	31.6	28.2	42.4
66	47.8	47.2	70.8

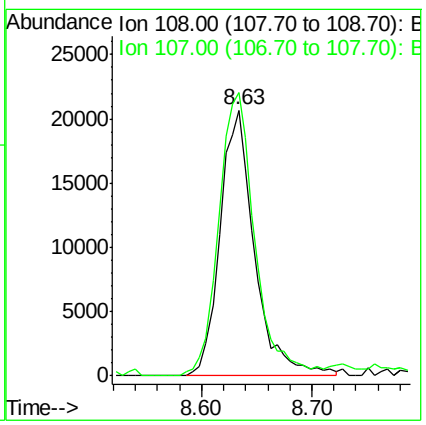


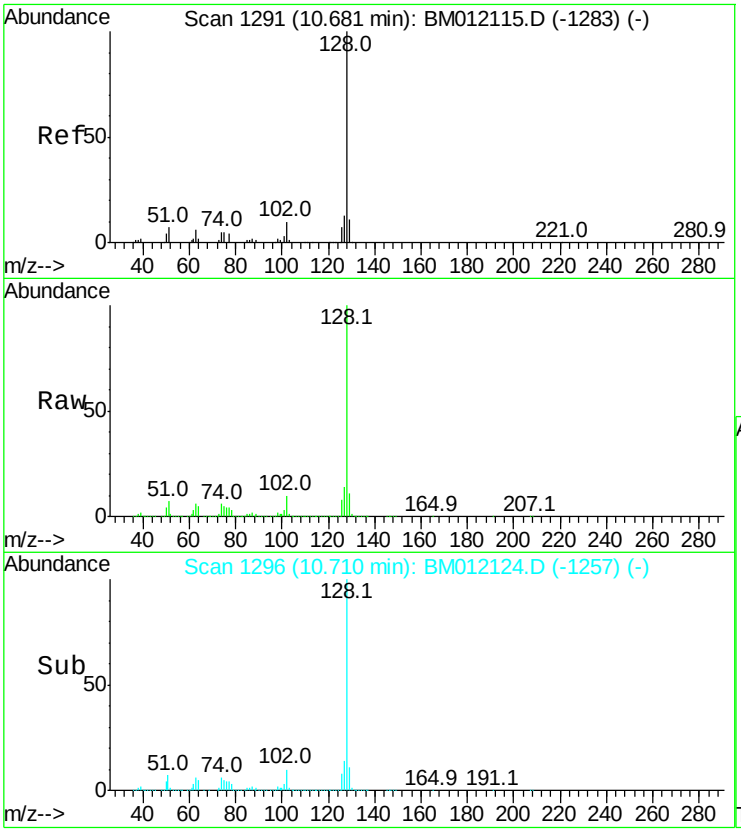


#16
4-Methylphenol
Concen: 1.446 ng/ul
RT: 8.63 min Scan# 943
Delta R.T. 0.03 min
Lab File: BM012124.D
Acq: 13 Oct 2017 06:28

Tgt Ion:108 Resp: 45130

Ion	Ratio	Lower	Upper
108	100		
107	106.5	84.9	127.3



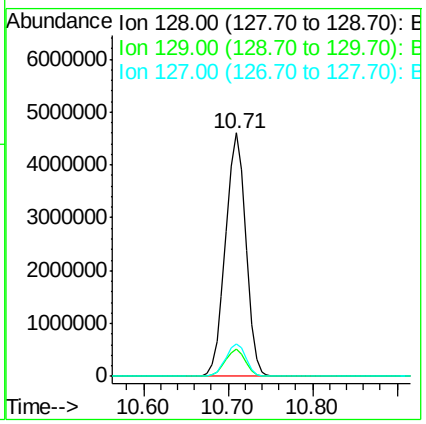


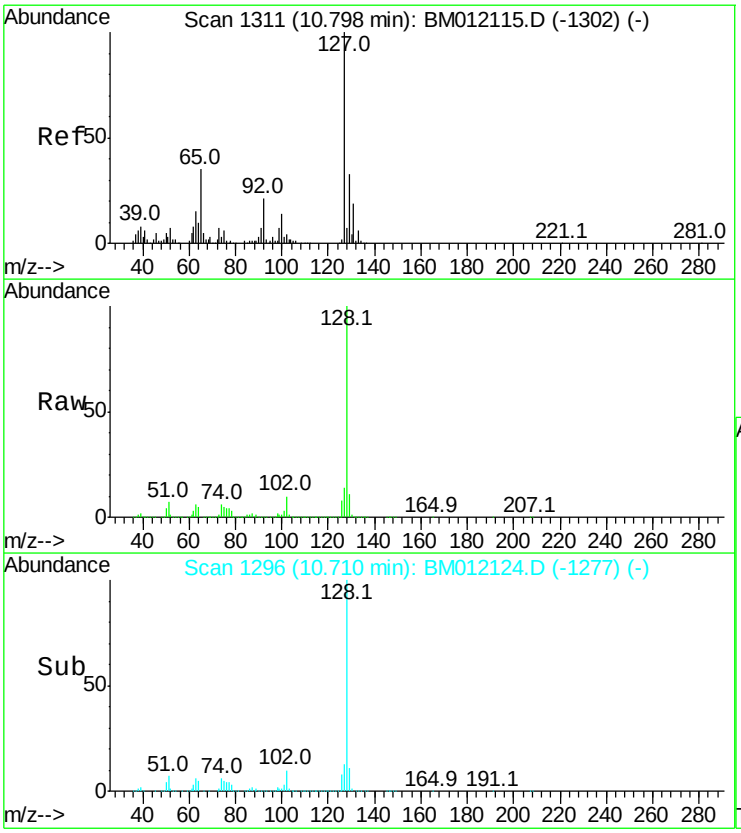
#28
Naphthalene
Concen: 81.829 ng/ul
RT: 10.71 min Scan# 1296
Delta R.T. 0.03 min
Lab File: BM012124.D
Acq: 13 Oct 2017 06:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:128 Resp: 7595311

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.5	10.6	16.0

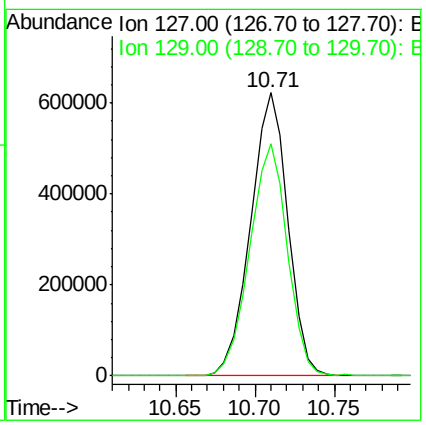


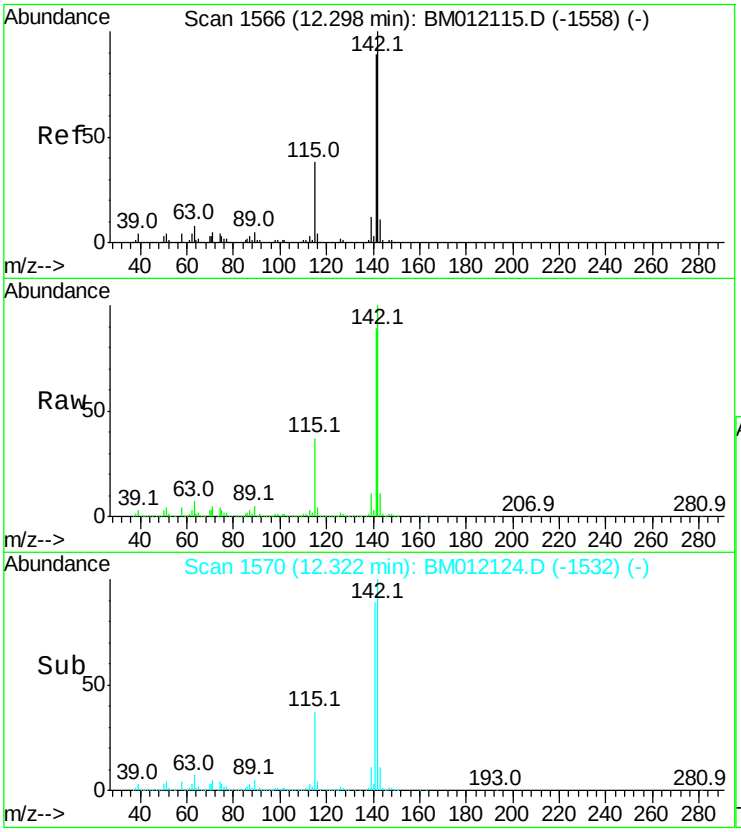


#30
4-Chloroaniline
Concen: 36.212 ng/ul
RT: 10.71 min Scan# 1296
Delta R.T. -0.09 min
Lab File: BM012124.D
Acq: 13 Oct 2017 06:28

Tgt Ion:127 Resp: 1017904

Ion	Ratio	Lower	Upper
127	100		
129	82.0	28.4	42.6#



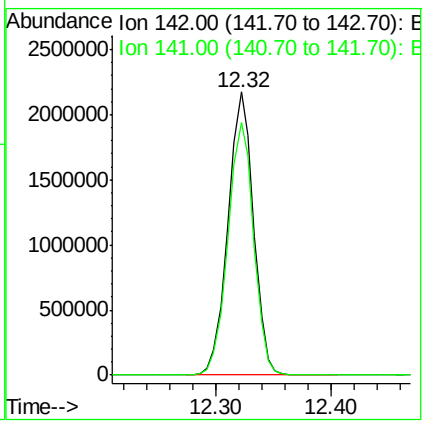


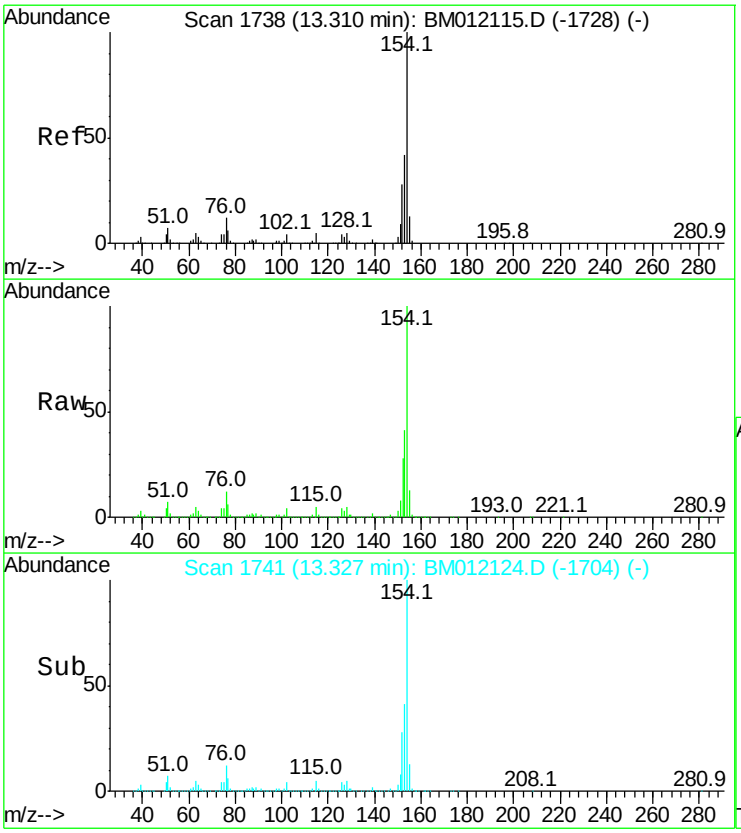
#34
2-Methylnaphthalene
Concen: 47.311 ng/ul
RT: 12.32 min Scan# 1570
Delta R.T. 0.02 min
Lab File: BM012124.D
Acq: 13 Oct 2017 06:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:142 Resp: 3313885

Ion	Ratio	Lower	Upper
142	100		
141	89.5	74.1	111.1

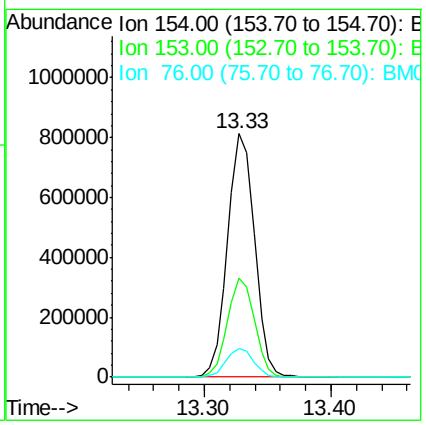


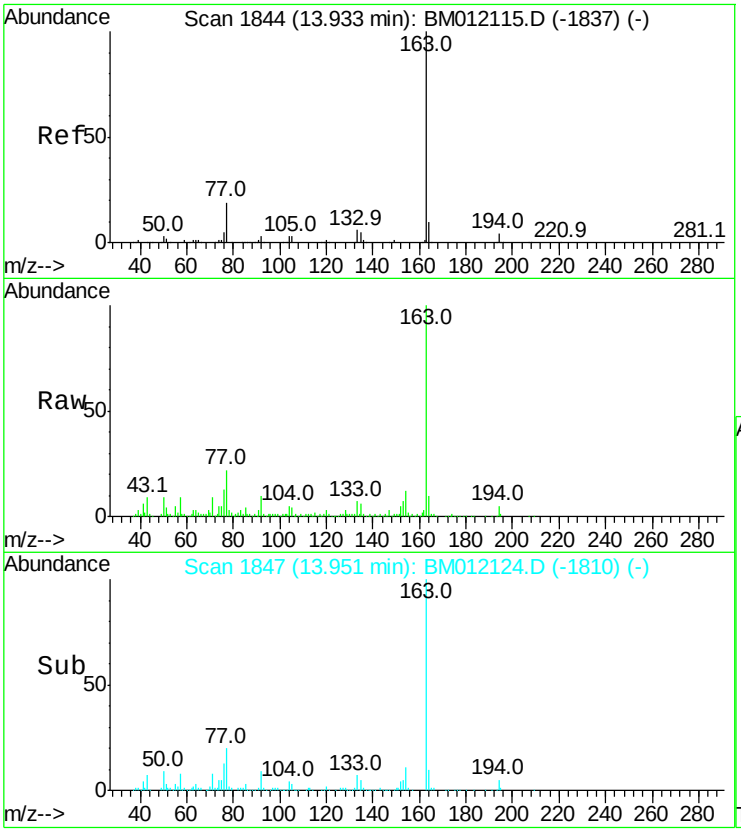


#40
1,1'-Biphenyl
Concen: 15.684 ng/ul
RT: 13.33 min Scan# 1741
Delta R.T. 0.02 min
Lab File: BM012124.D
Acq: 13 Oct 2017 06:28

Tgt Ion:154 Resp: 1196678

Ion	Ratio	Lower	Upper
154	100		
153	40.8	32.6	48.8
76	11.9	8.5	12.7



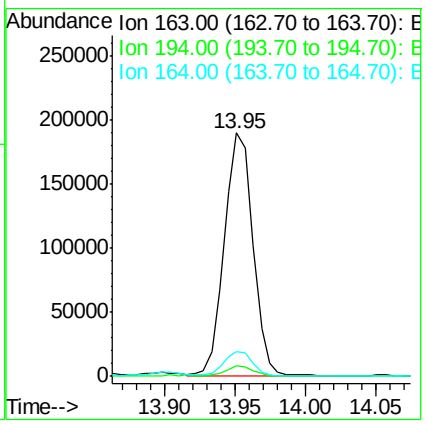


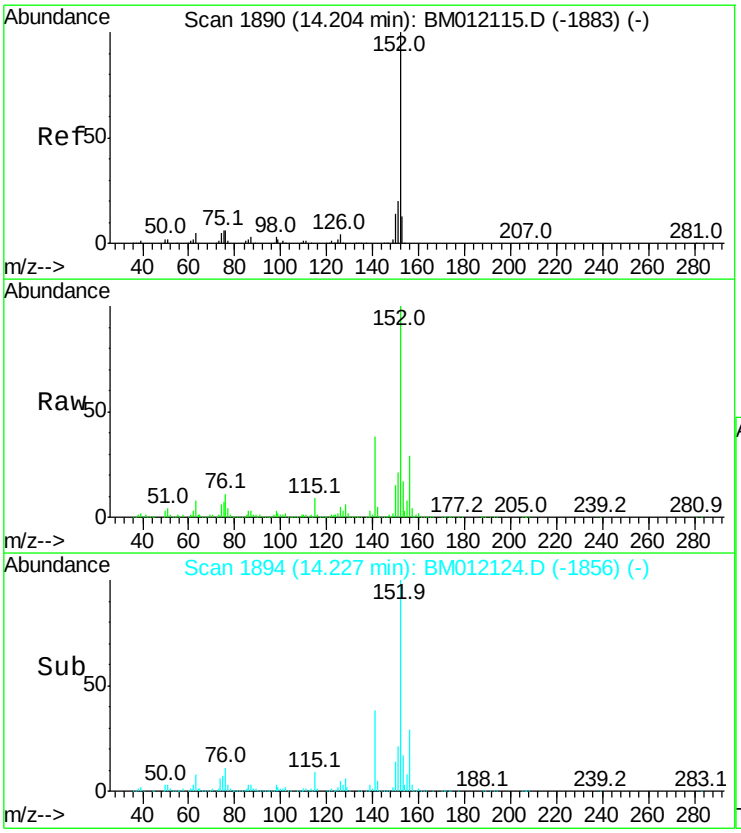
#44
Dimethylphthalate
Concen: 3.334 ng/ul
RT: 13.95 min Scan# 1847
Delta R.T. 0.02 min
Lab File: BM012124.D
Acq: 13 Oct 2017 06:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:163 Resp: 266867

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.5	5.3
164	10.4	8.2	12.4

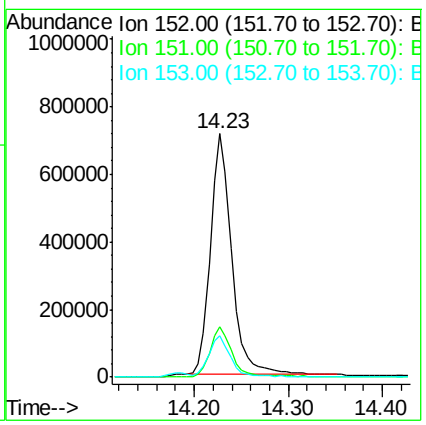


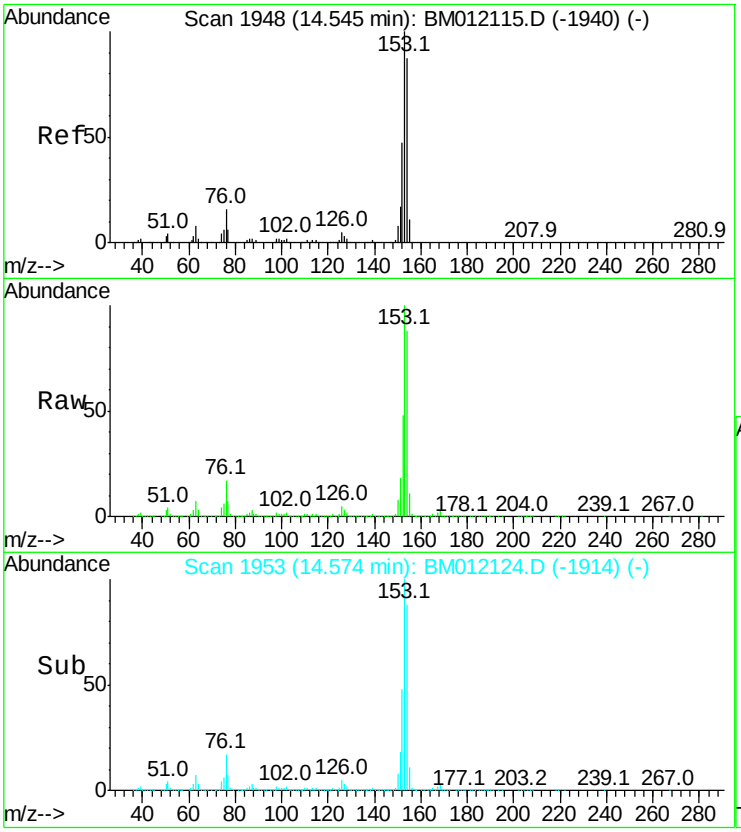


#47
Acenaphthylene
Concen: 11.957 ng/ul
RT: 14.23 min Scan# 1894
Delta R.T. 0.02 min
Lab File: BM012124.D
Acq: 13 Oct 2017 06:28

Tgt Ion:152 Resp: 1135697

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.3	24.5
153	17.1	10.2	15.4#



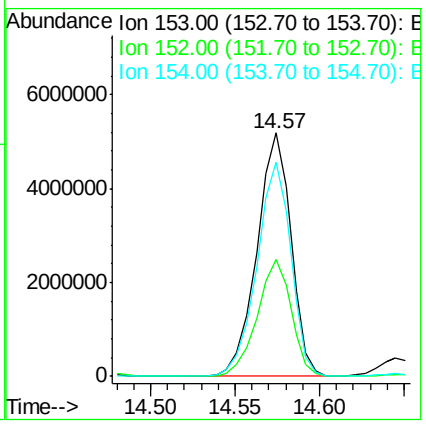


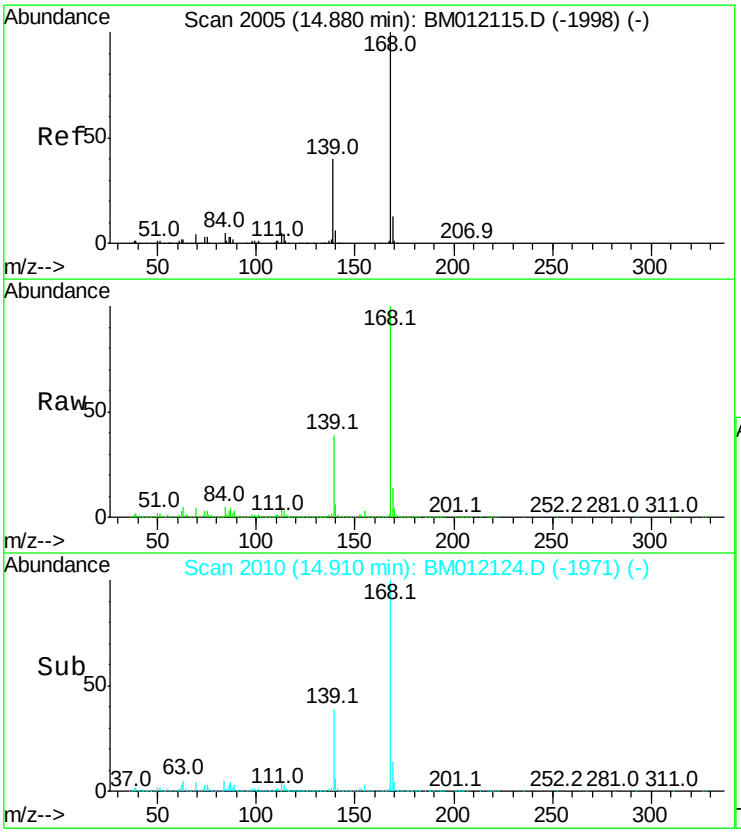
#49
Acenaphthene
Concen: 113.777 ng/ul
RT: 14.57 min Scan# 1953
Delta R.T. 0.03 min
Lab File: BM012124.D
Acq: 13 Oct 2017 06:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:153 Resp: 7278905

Ion	Ratio	Lower	Upper
153	100		
152	48.3	37.6	56.4
154	88.2	70.4	105.6

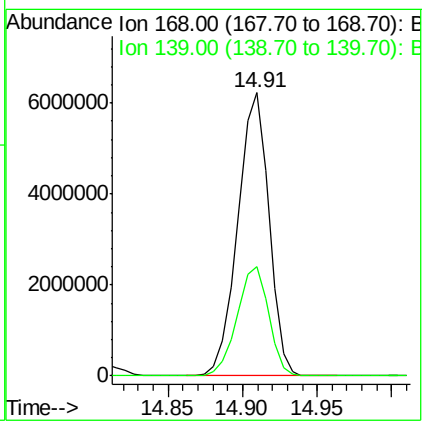


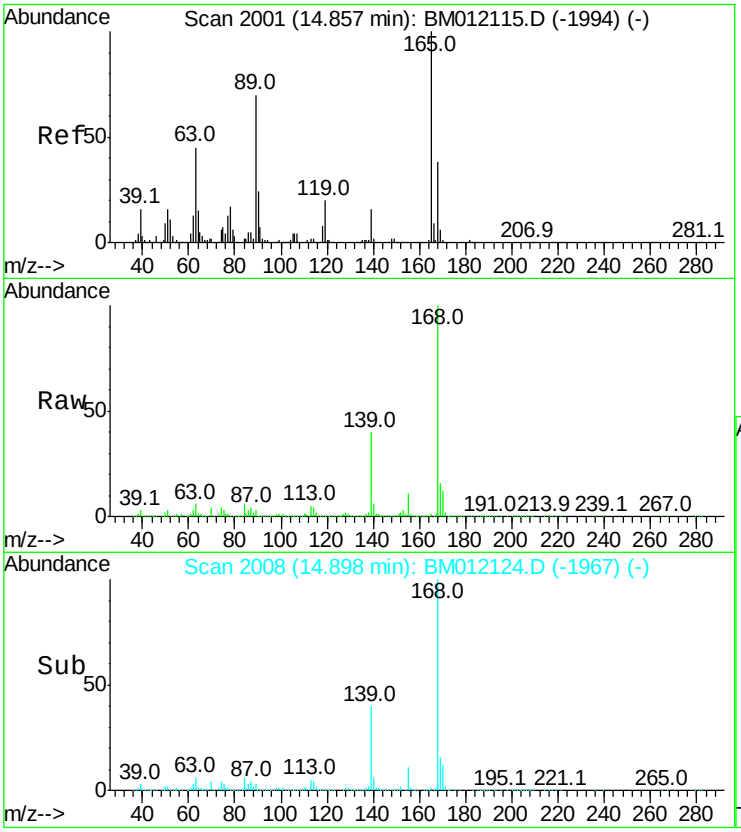


#53
Dibenzofuran
Concen: 97.818 ng/ul
RT: 14.91 min Scan# 2010
Delta R.T. 0.03 min
Lab File: BM012124.D
Acq: 13 Oct 2017 06:28

Tgt Ion:168 Resp: 9010928

Ion	Ratio	Lower	Upper
168	100		
139	38.6	30.8	46.2



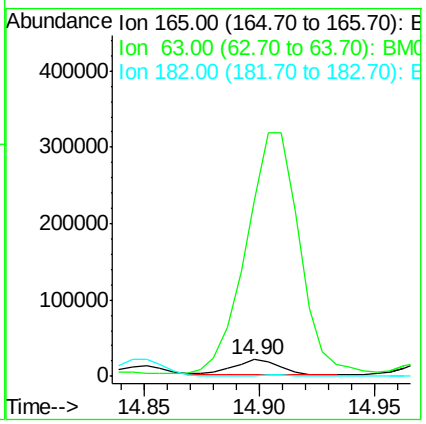


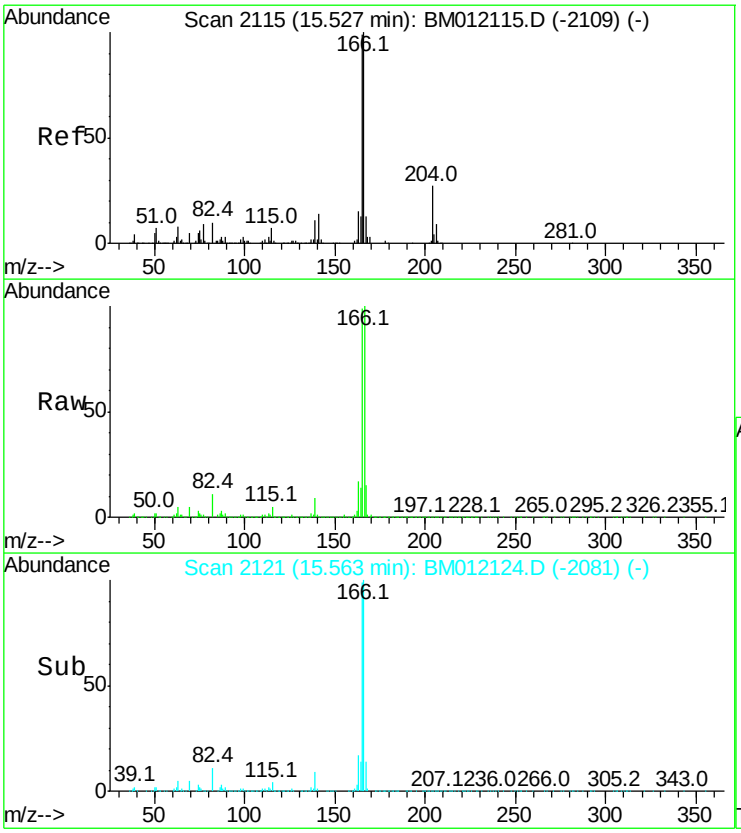
#54
2,4-Dinitrotoluene
Concen: 1.297 ng/ul
RT: 14.90 min Scan# 2008
Delta R.T. 0.04 min
Lab File: BM012124.D
Acq: 13 Oct 2017 06:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:165 Resp: 29859

Ion	Ratio	Lower	Upper
165	100		
63	1048.3	45.8	68.8#
182	5.6	2.6	4.0#

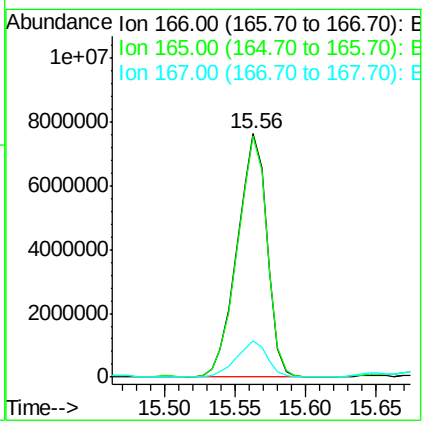


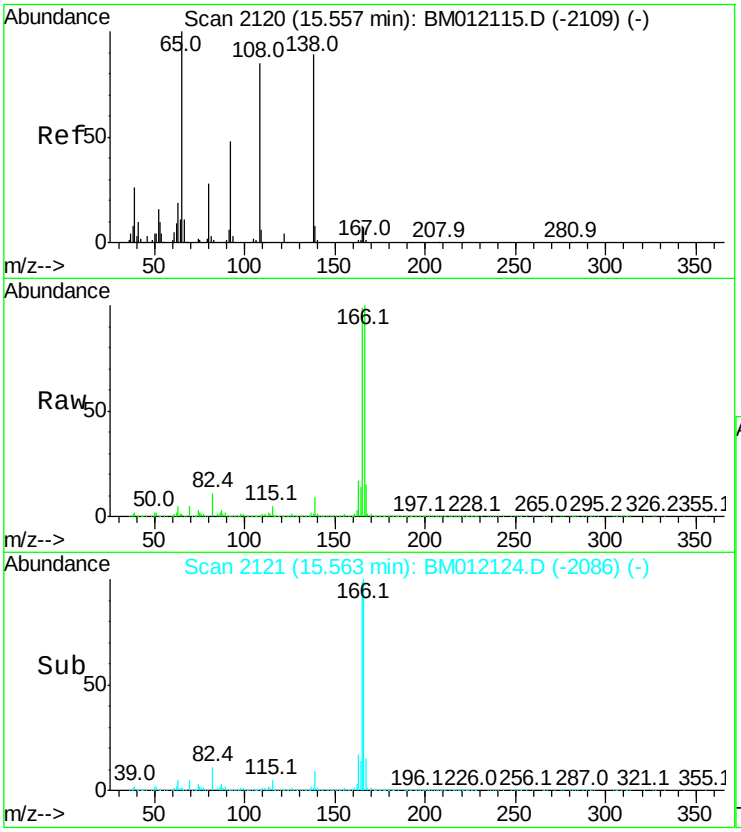


#58
Fluorene
Concen: 146.927 ng/ul
RT: 15.56 min Scan# 2121
Delta R.T. 0.04 min
Lab File: BM012124.D
Acq: 13 Oct 2017 06:28

Tgt Ion:166 Resp:11240762

Ion	Ratio	Lower	Upper
166	100		
165	98.9	77.9	116.9
167	14.7	10.6	16.0



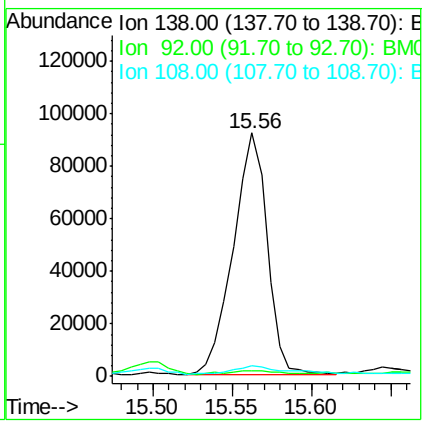


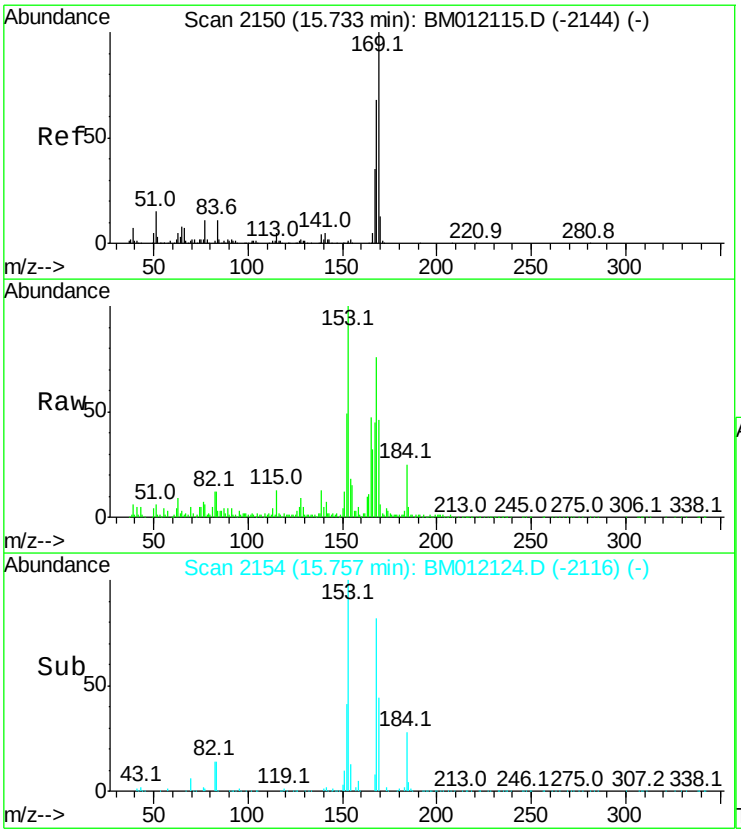
#60
4-Nitroaniline
Concen: 9.015 ng/ul
RT: 15.56 min Scan# 2121
Delta R.T. 0.01 min
Lab File: BM012124.D
Acq: 13 Oct 2017 06:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:138 Resp: 137610

Ion	Ratio	Lower	Upper
138	100		
92	2.4	40.0	60.0#
108	4.6	80.0	120.0#

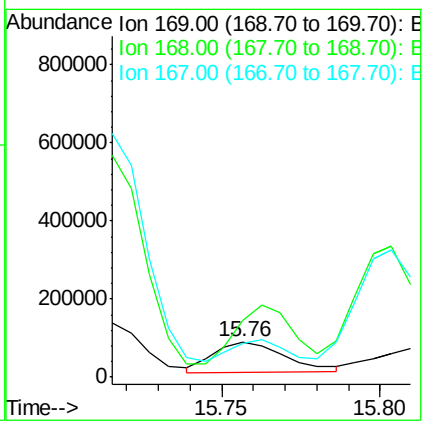


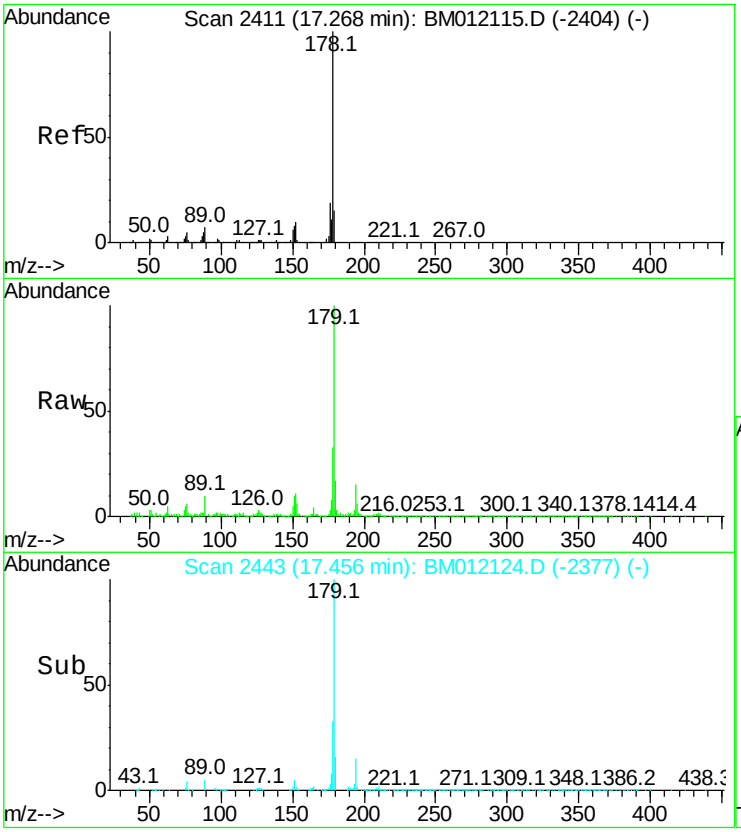


#64
N-Nitrosodiphenylamine
Concen: 2.295 ng/ul
RT: 15.76 min Scan# 2154
Delta R.T. 0.02 min
Lab File: BM012124.D
Acq: 13 Oct 2017 06:28

Tgt Ion:169 Resp: 124068

Ion	Ratio	Lower	Upper
169	100		
168	163.2	54.0	81.0#
167	96.1	29.1	43.7#



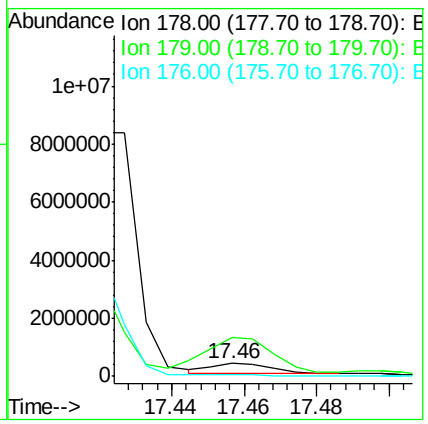


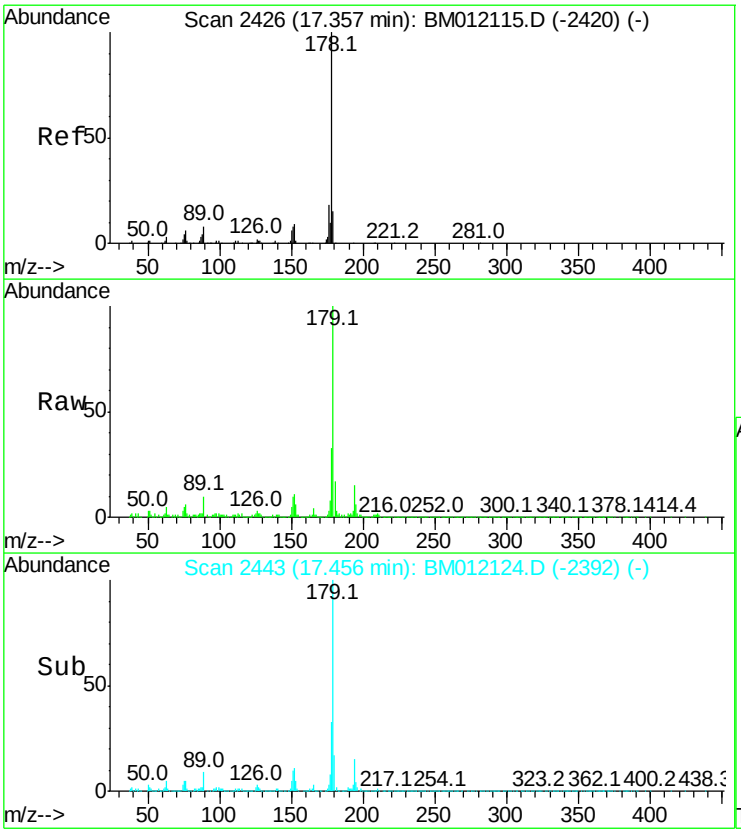
#69
Phenanthrene
Concen: 4.367 ng/ul
RT: 17.46 min Scan# 2443
Delta R.T. 0.19 min
Lab File: BM012124.D
Acq: 13 Oct 2017 06:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:178 Resp: 429045

Ion	Ratio	Lower	Upper
178	100		
179	302.5	12.6	19.0#
176	10.3	14.9	22.3#

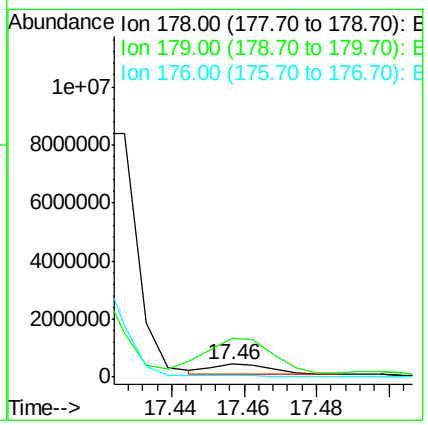


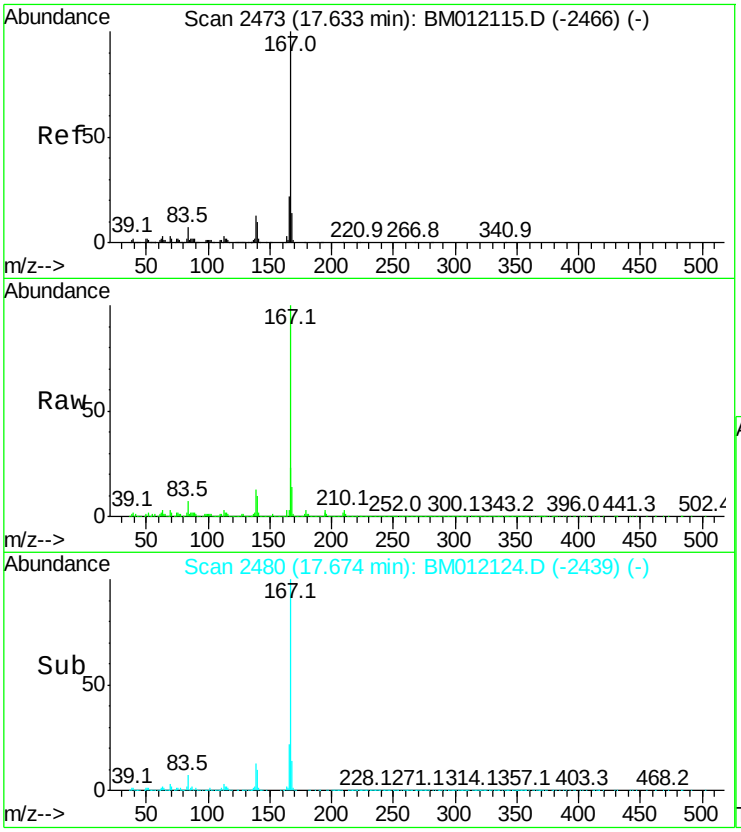


#71
Anthracene
Concen: 4.218 ng/ul
RT: 17.46 min Scan# 2443
Delta R.T. 0.10 min
Lab File: BM012124.D
Acq: 13 Oct 2017 06:28

Tgt Ion:178 Resp: 429045

Ion	Ratio	Lower	Upper
178	100		
179	302.5	11.7	17.5#
176	10.3	14.6	21.8#



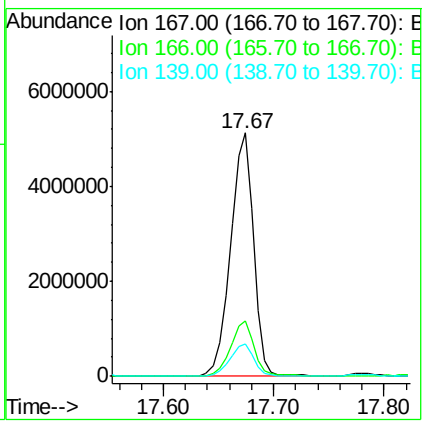


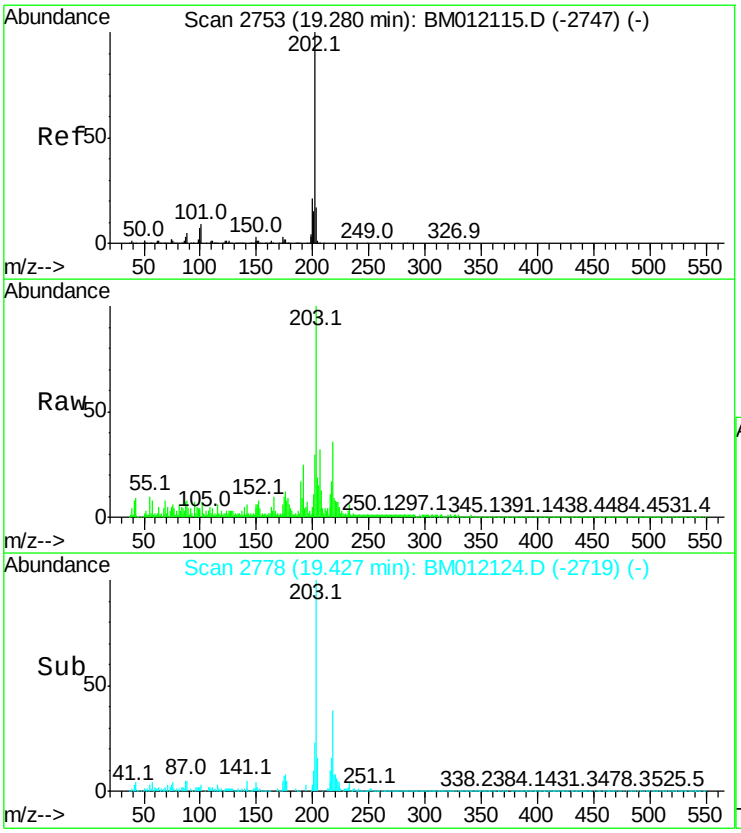
#72
Carbazole
Concen: 86.764 ng/ul
RT: 17.67 min Scan# 2480
Delta R.T. 0.04 min
Lab File: BM012124.D
Acq: 13 Oct 2017 06:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:167 Resp: 7469558

Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.1	25.7
139	13.3	10.0	15.0

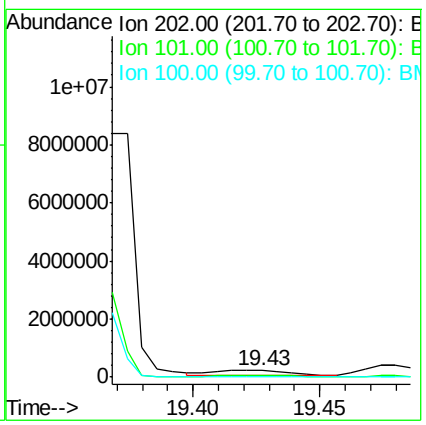


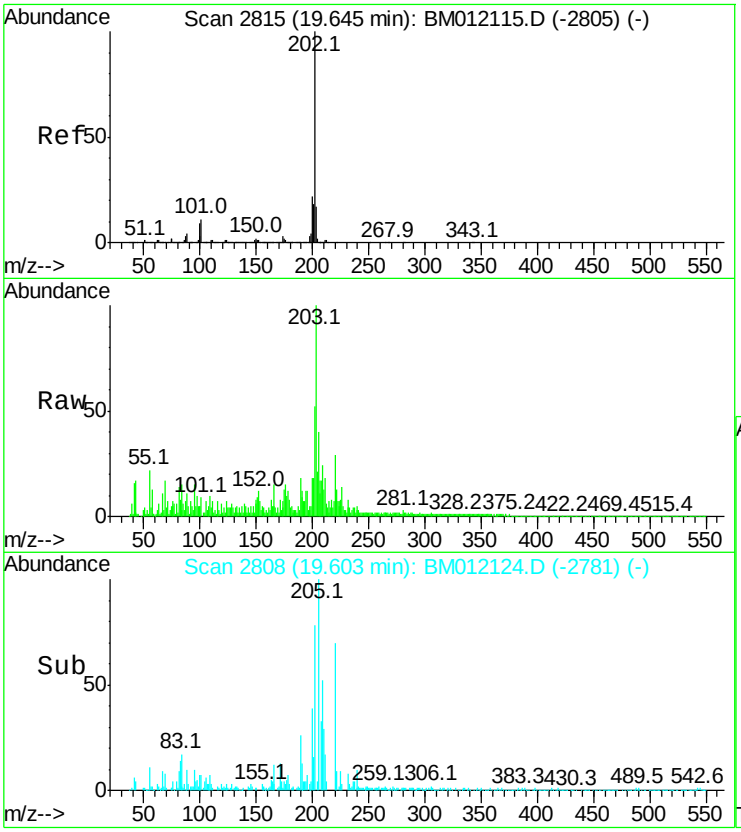


#74
Fluoranthene
Concen: 2.718 ng/ul
RT: 19.43 min Scan# 2778
Delta R.T. 0.15 min
Lab File: BM012124.D
Acq: 13 Oct 2017 06:28

Tgt Ion:202 Resp: 322282

Ion	Ratio	Lower	Upper
202	100		
101	23.6	4.6	7.0#
100	8.4	3.4	5.2#



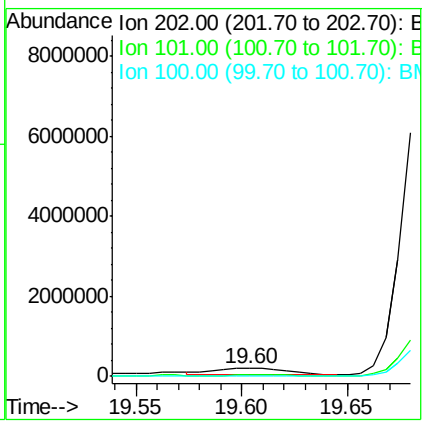


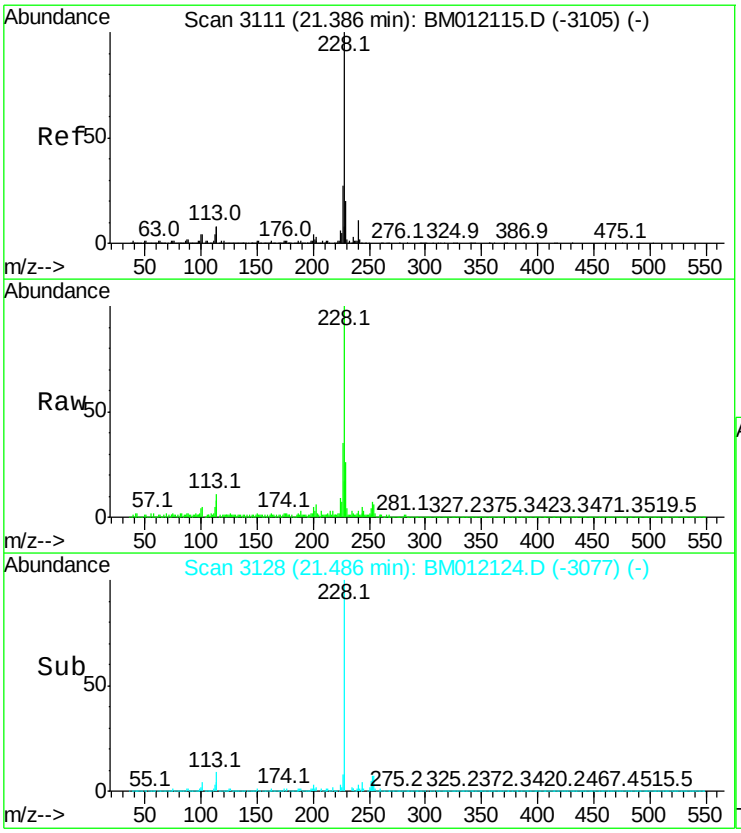
#77
Pyrene
Concen: 2.207 ng/ul
RT: 19.60 min Scan# 2808
Delta R.T. -0.04 min
Lab File: BM012124.D
Acq: 13 Oct 2017 06:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:202 Resp: 366689

Ion	Ratio	Lower	Upper
202	100		
101	16.8	5.1	7.7#
100	9.2	4.9	7.3#

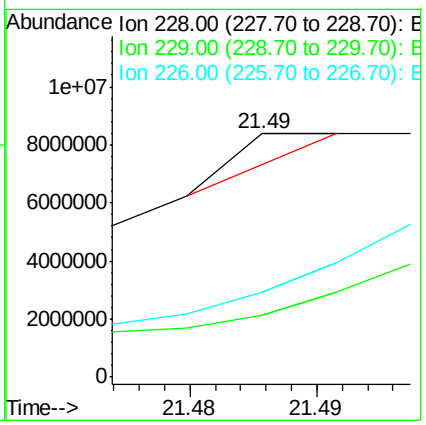


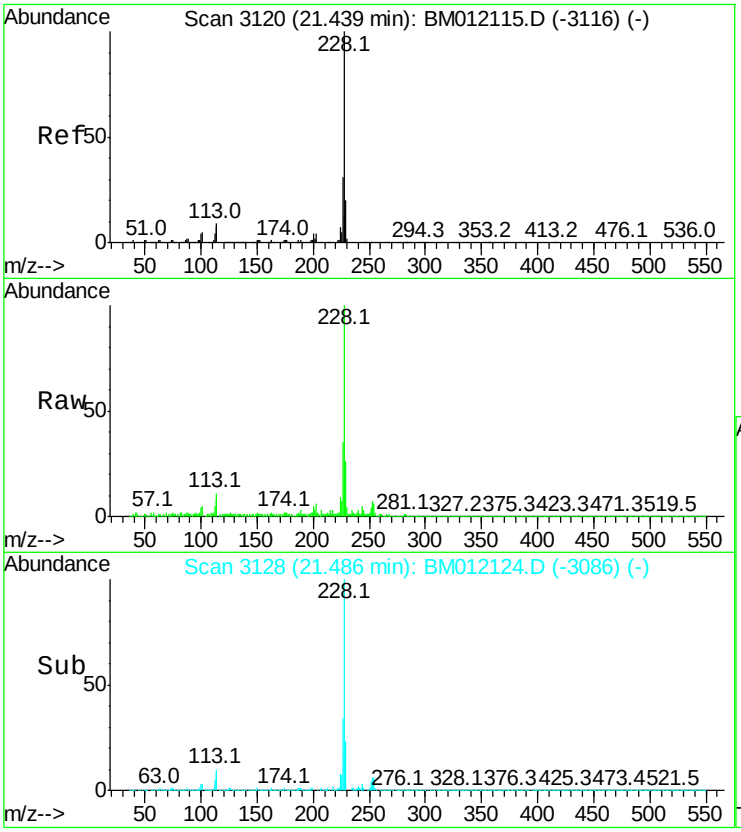


#80
Benzo(a)anthracene
Concen: 6.873 ng/ul
RT: 21.49 min Scan# 3128
Delta R.T. 0.10 min
Lab File: BM012124.D
Acq: 13 Oct 2017 06:28

Tgt Ion:228 Resp: 1125082

Ion	Ratio	Lower	Upper
228	100		
229	25.5	15.4	23.0#
226	35.1	21.4	32.0#



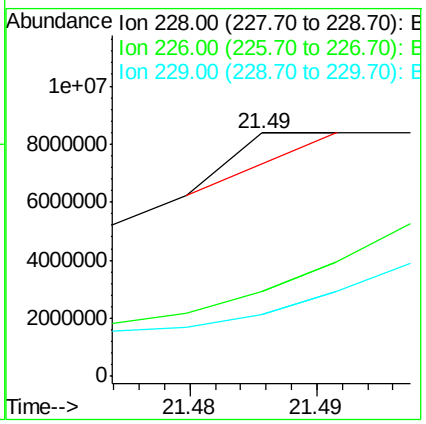


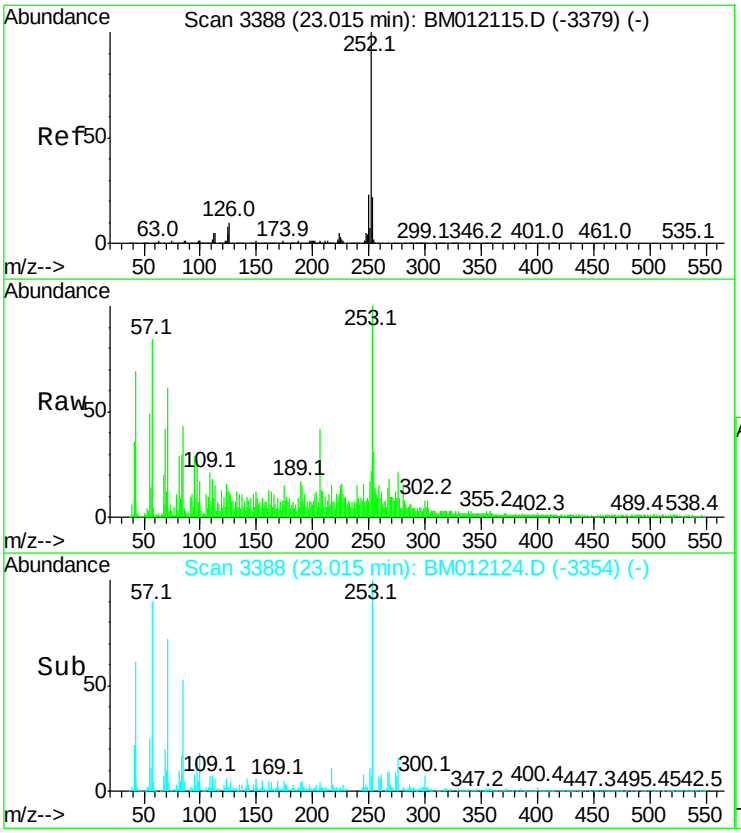
#82
Chrysene
Concen: 7.320 ng/ul
RT: 21.49 min Scan# 3128
Delta R.T. 0.05 min
Lab File: BM012124.D
Acq: 13 Oct 2017 06:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:228 Resp: 1125082

Ion	Ratio	Lower	Upper
228	100		
226	35.1	23.4	35.2
229	25.5	15.5	23.3#

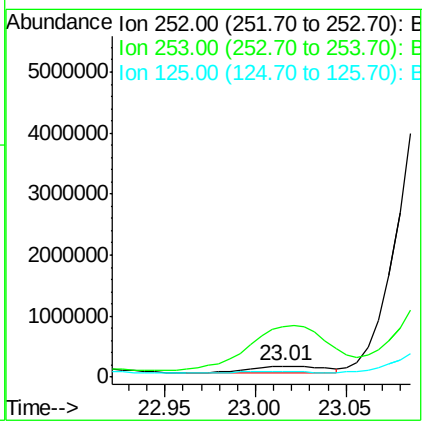


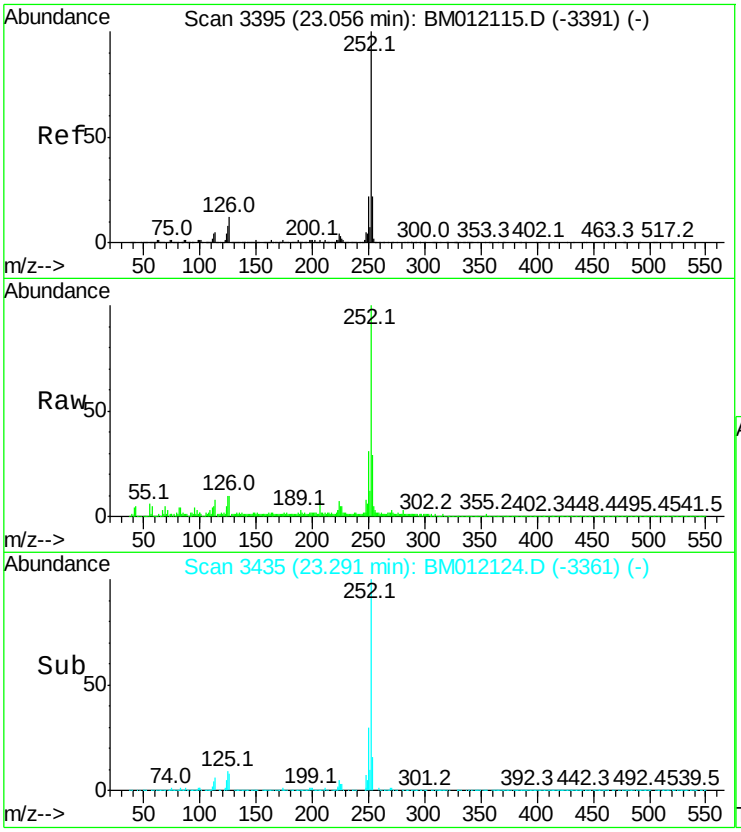


#85
Benzo(b)fluoranthene
Concen: 1.822 ng/ul
RT: 23.01 min Scan# 3388
Delta R.T. -0.00 min
Lab File: BM012124.D
Acq: 13 Oct 2017 06:28

Tgt Ion:252 Resp: 306613

Ion	Ratio	Lower	Upper
252	100		
253	462.9	17.9	26.9#
125	55.0	3.6	5.4#



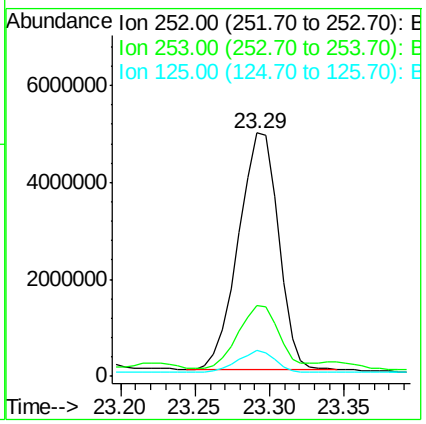


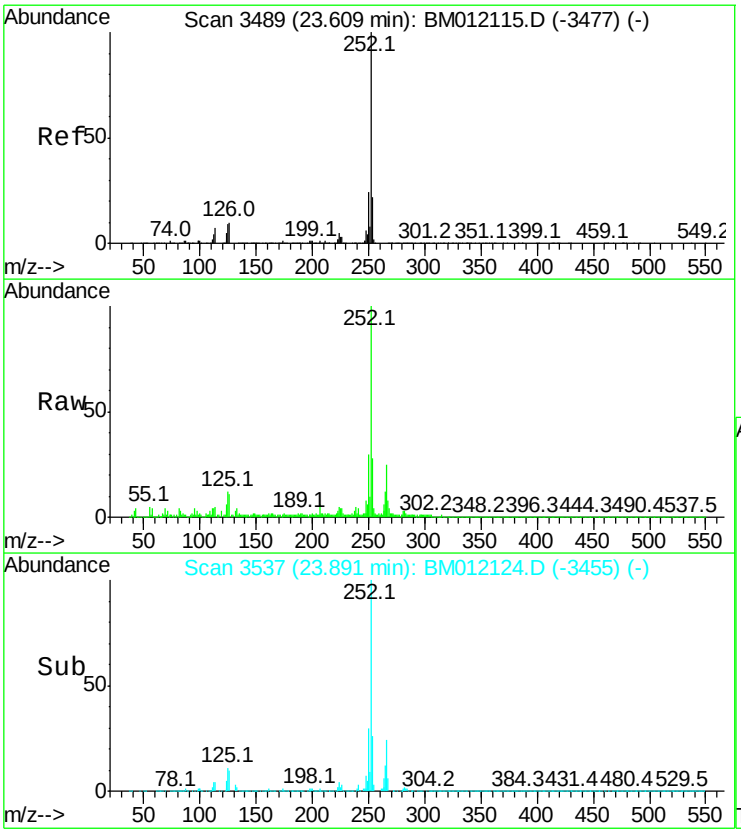
#86
Benzo(k)fluoranthene
Concen: 55.675 ng/ul
RT: 23.29 min Scan# 3435
Delta R.T. 0.24 min
Lab File: BM012124.D
Acq: 13 Oct 2017 06:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 9026516

Ion	Ratio	Lower	Upper
252	100		
253	29.3	17.1	25.7#
125	10.4	3.4	5.2#

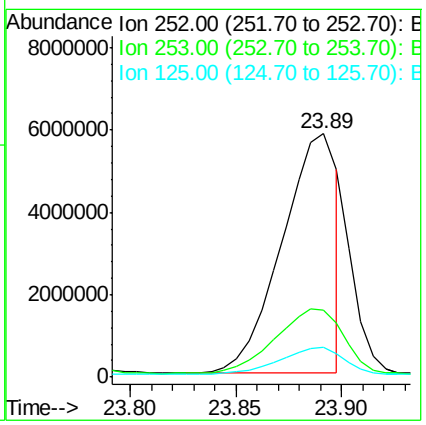


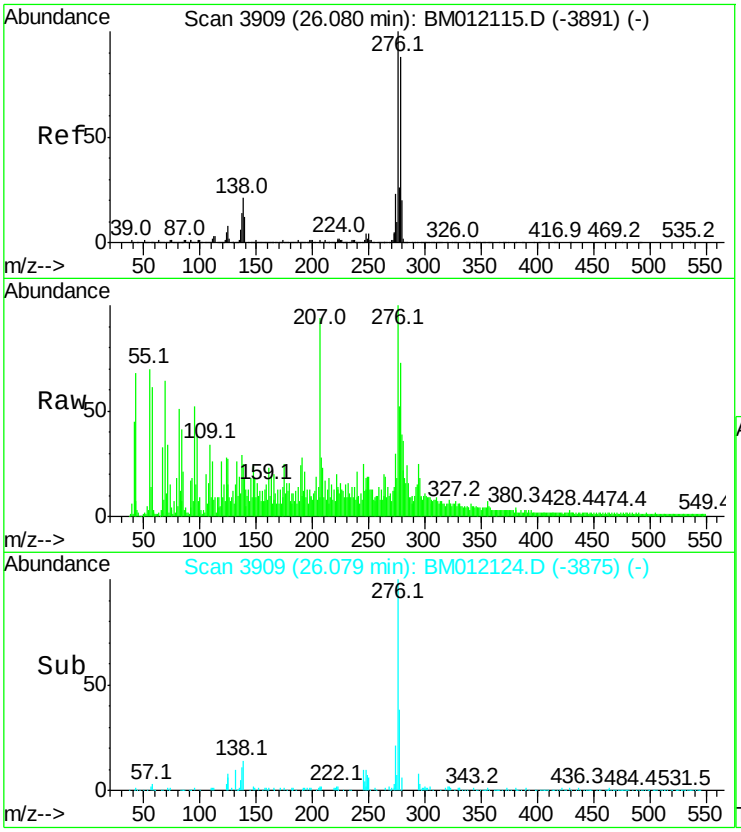


#88
Benzo(a)pyrene
Concen: 66.515 ng/ul
RT: 23.89 min Scan# 3537
Delta R.T. 0.28 min
Lab File: BM012124.D
Acq: 13 Oct 2017 06:28

Tgt Ion:252 Resp:10547186

Ion	Ratio	Lower	Upper
252	100		
253	27.7	18.2	27.2#
125	12.1	4.0	6.0#



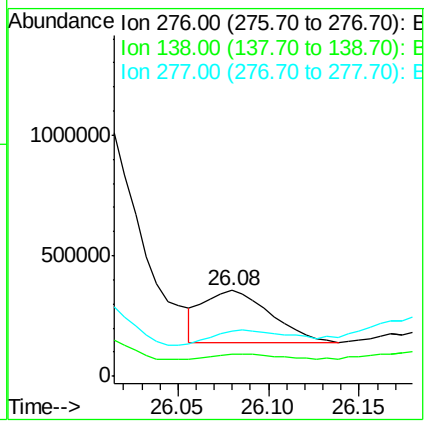


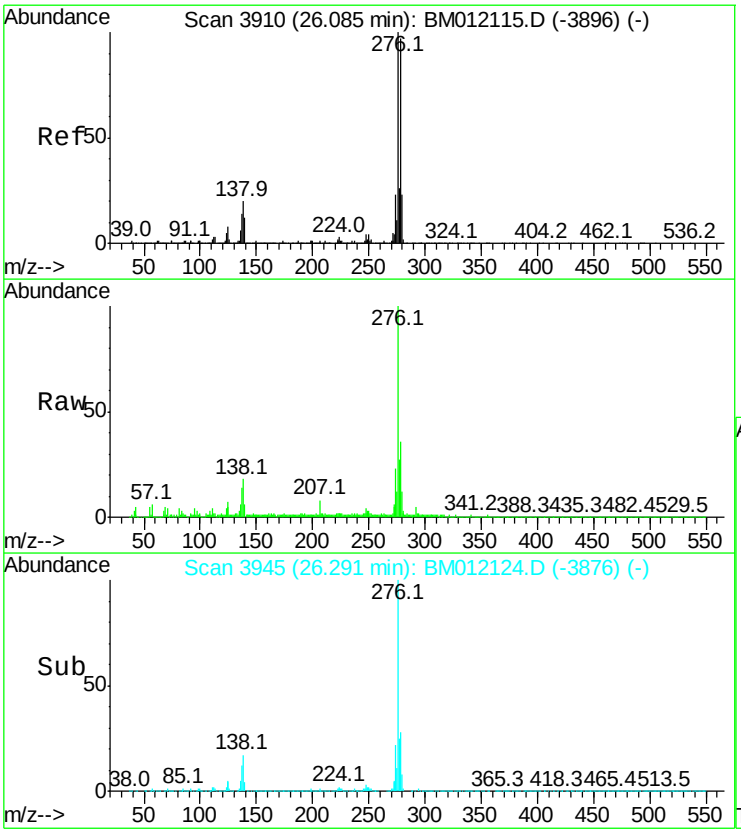
#89
Indeno(1,2,3-cd)pyrene
Concen: 3.345 ng/ul
RT: 26.08 min Scan# 3909
Delta R.T. -0.00 min
Lab File: BM012124.D
Acq: 13 Oct 2017 06:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:276 Resp: 563330

Ion	Ratio	Lower	Upper
276	100		
138	25.4	9.3	13.9#
277	52.4	19.9	29.9#

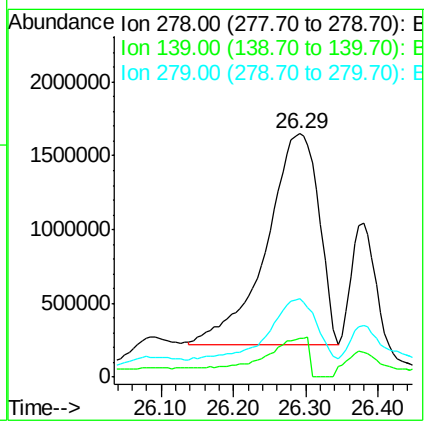


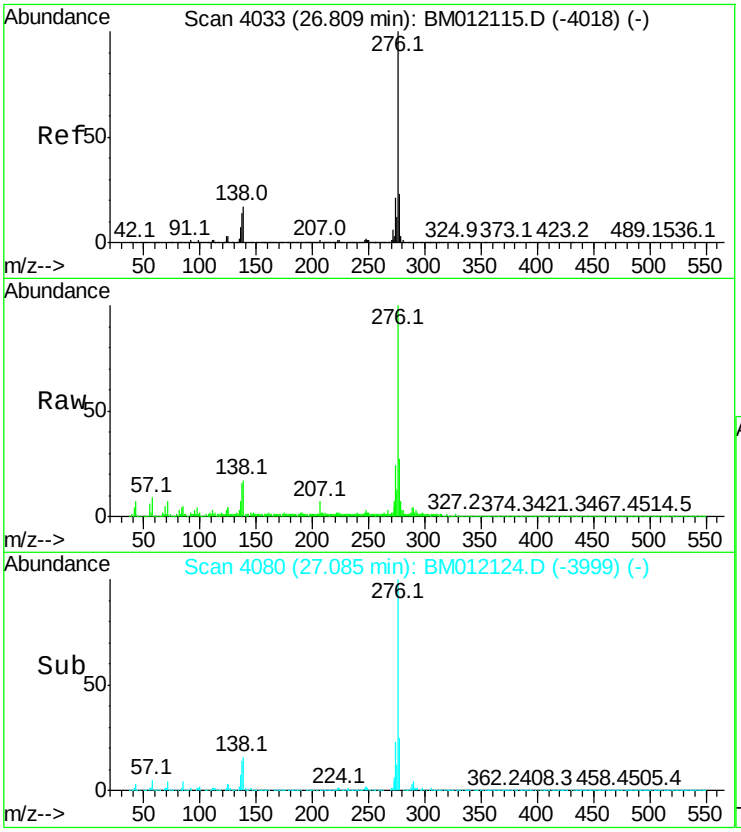


#90
Dibenzo(a,h)anthracene
Concen: 51.340 ng/ul
RT: 26.29 min Scan# 3945
Delta R.T. 0.21 min
Lab File: BM012124.D
Acq: 13 Oct 2017 06:28

Tgt Ion:278 Resp: 7267346

Ion	Ratio	Lower	Upper
278	100		
139	15.8	5.8	8.8#
279	32.4	18.6	27.8#





#91
Benzo(g,h,i)perylene
Concen: 175.329 ng/ul
RT: 27.09 min Scan# 4080
Delta R.T. 0.28 min
Lab File: BM012124.D
Acq: 13 Oct 2017 06:28

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:276 Resp:24180526

Ion	Ratio	Lower	Upper
276	100		
138	17.5	8.5	12.7#
277	27.4	18.6	28.0