Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\

Quantitation Report (Not Reviewed)

Data File : BM013467.D
Acq On : 16 Dec 2017 08:13
Operator : SJ/JU
Sample : I6776-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58

Quant Time: Dec 18 00:28:30 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 16 00:23:08 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	217080	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	978917	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	572533	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	1253917	20.00	ng/ul	0.02
75) Chrysene-d12	21.27	240	1202572	20.00	ng/ul	0.01
83) Perylene-d12	23.49	264	930171	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.22	96	3468	0.79	ng/uL	0.00
5) Phenol-d5	6.85	99	108010	5.75	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	62428	5.83	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	83791	5.71	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	90960	5.67	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	48004	6.18	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	50068	6.03	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	93739	5.47	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	83493	5.31	ng/ul	0.00
43) Dimethylphthalate-d6	13.74	166	295519	5.80	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	368668	5.86	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	45207	5.11	ng/ul	0.02
57) Fluorene-d10	15.32	176	253424	5.78	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.47	200	27366	3.47	ng/ul	0.02
70) Anthracene-d10	17.19	188	384098	6.12	ng/ul	0.02
76) Pyrene-d10	19.47	212	438162	7.31	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.34	264	293853	6.20	ng/ul	0.00
Target Compounds						Qvalue
6) Phenol	6.88	94	21344	1.15	ng/ul#	78
17) Hexachloroethane	8.77	117	9639	1.54	ng/ul#	1
30) 4-Chloroaniline	10.52	127	2971567	195.05	ng/ul#	18
34) 2-Methylnaphthalene	12.13	142	6032074	159.33	ng/ul	94
40) 1,1'-Biphenyl	13.15	154	1977671	40.87	ng/ul	99
44) Dimethylphthalate	13.79	163	54419	1.12	ng/ul	97
47) Acenaphthylene	14.04	152	494539	8.50	ng/ul#	92
49) Acenaphthene	14.40	153	16944218	427.51	ng/ul	88
53) Dibenzofuran	14.73	168	13998100	239.24	ng/ul	89
54) 2,4-Dinitrotoluene	14.72	165	28107	1.94	ng/ul#	1
58) Fluorene	15.39	166	14540660	300.40	ng/ul	97
60) 4-Nitroaniline	15.39	138	176174	16.81	ng/ul#	12
63) 4,6-Dinitro-2-methylphenol	15.47	198	62173	7.89	ng/ul#	94
64) N-Nitrosodiphenylamine	15.59	169	116523	3.15	ng/ul#	1
68) Pentachlorophenol	16.74	266	130878	13.92	ng/ul	97
69) Phenanthrene	17.23	178	12428901	174.47	ng/ul#	91
71) Anthracene	17.23	178	12428901	170.69	ng/ul#	89
72) Carbazole	17.48	167	2823666	45.08	ng/ul	99
74) Fluoranthene	19.07	202	113252	1.30	ng/ul#	50
77) Pyrene	19.57	202	85185	1.17	ng/ul#	66
80) Benzo(a)anthracene	21.26	228	9241661	121.12	ng/ul	99
82) Chrysene	21.31	228	8407775	118.78	ng/ul	98
85) Benzo(b)fluoranthene	22.83	252	4139411	66.01	ng/ul#	98

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\

Quantitation Report (Not Reviewed)

Data File : BM013467.D
Acq On : 16 Dec 2017 08:13
Operator : SJ/JU
Sample : I6776-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A58

Quant Time: Dec 18 00:28:30 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 16 00:23:08 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) Benzo(k)fluoranthene	22.83	252	4139411	70.15	ng/ul#	97
88) Benzo(a)pyrene	23.39	252	2047733	36.35	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.71	276	645948	11.56	ng/ul#	96
90) Dibenzo(a,h)anthracene	25.72	278	173557	3.65	ng/ul#	96
91) Benzo(g,h,i)perylene	26.39	276	482965	10.96	ng/ul#	91

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

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\

Quantitation Report (Not Reviewed)

Data File : BM013467.D
Acq On : 16 Dec 2017 08:13
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ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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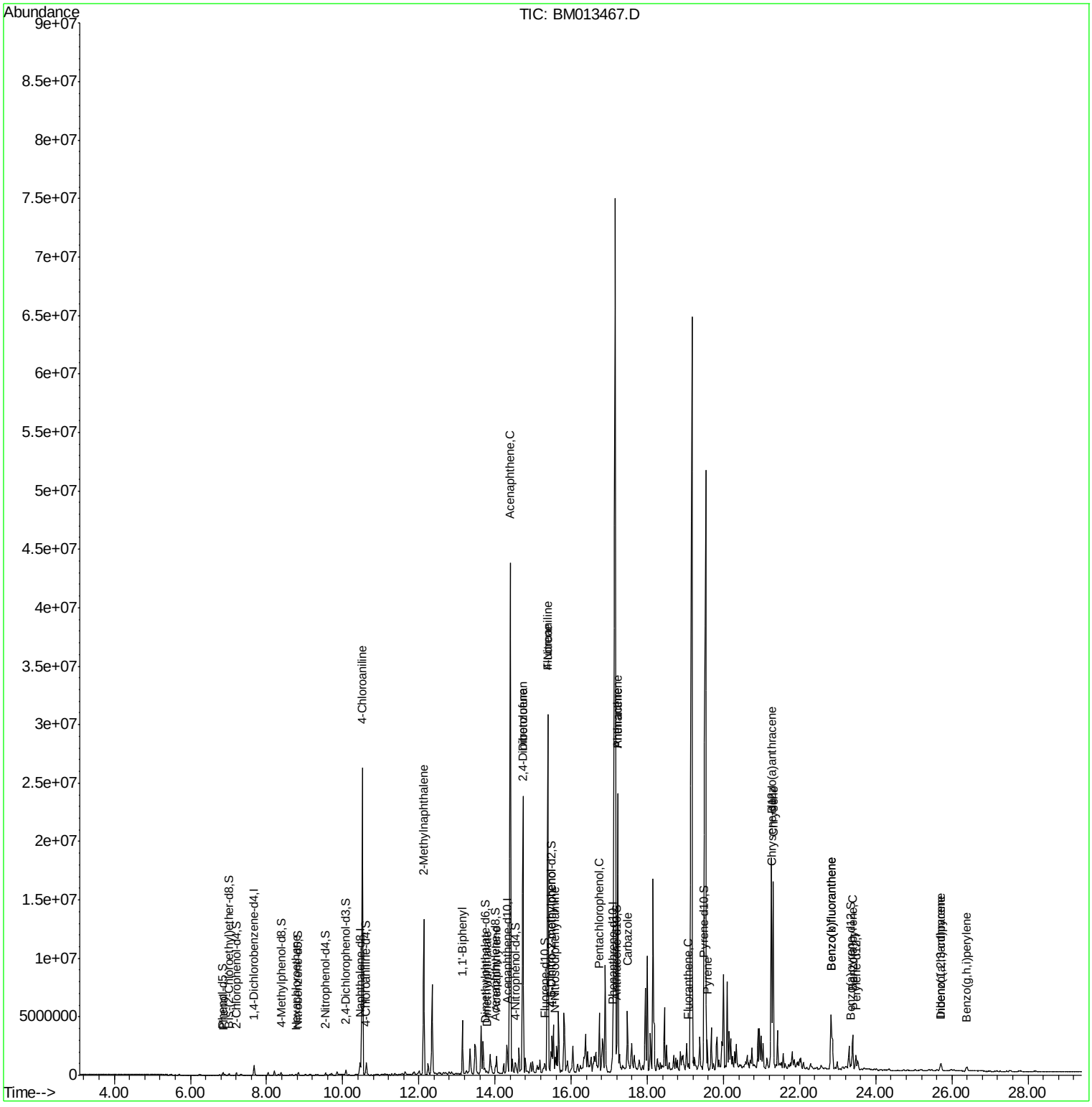
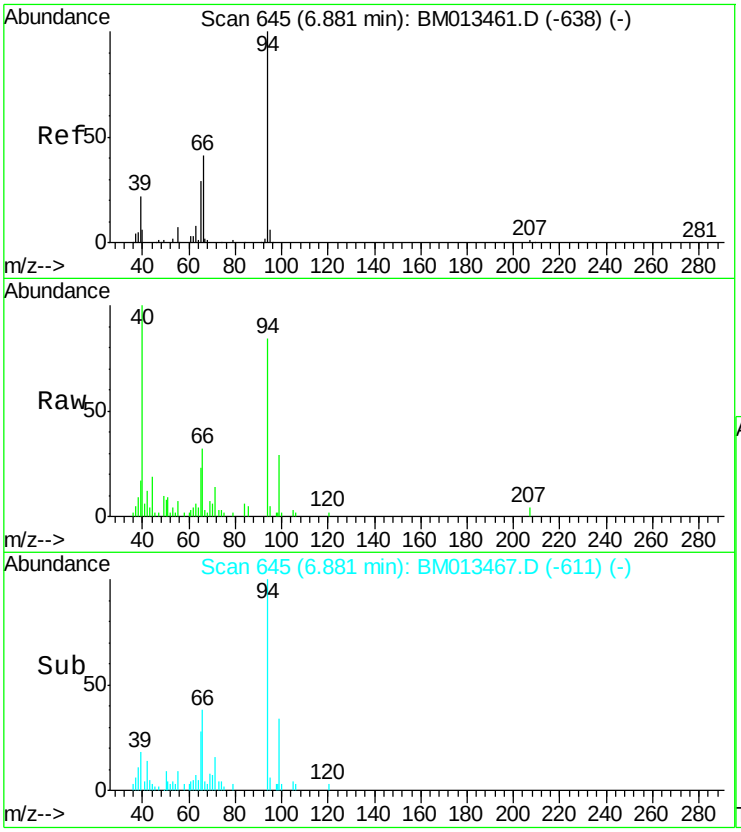
Quant Time: Dec 18 00:28:30 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 16 00:23:08 2017
Response via : Initial Calibration



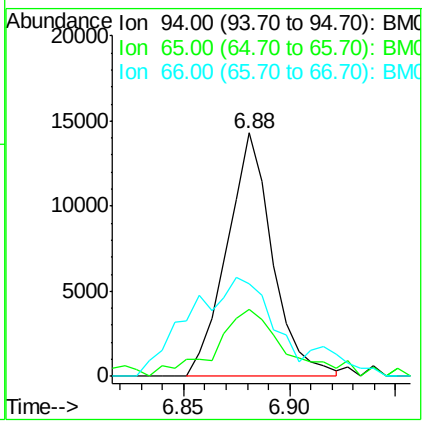


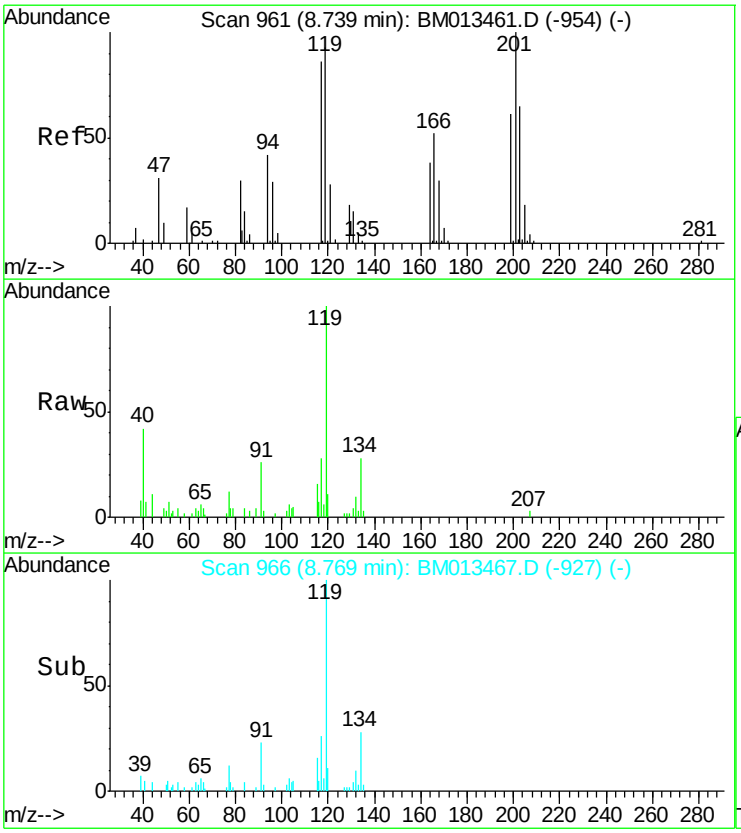
#6
Phenol
Concen: 1.15 ng/ul
RT: 6.88 min Scan# 645
Delta R.T. -0.00 min
Lab File: BM013467.D
Acq: 16 Dec 2017 08:13

Instrument :
BNA_M
ClientSampleId :
F9A58

Tgt Ion: 94 Resp: 21344

Ion	Ratio	Lower	Upper
94	100		
65	27.5	28.2	42.4#
66	38.1	47.2	70.8#

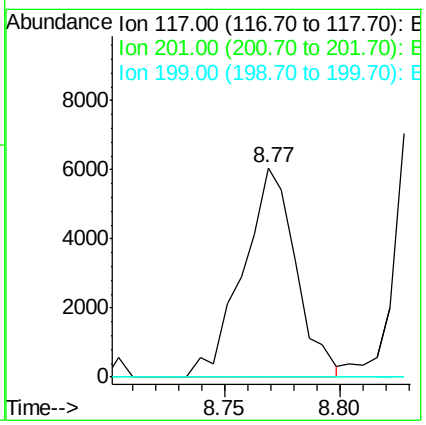


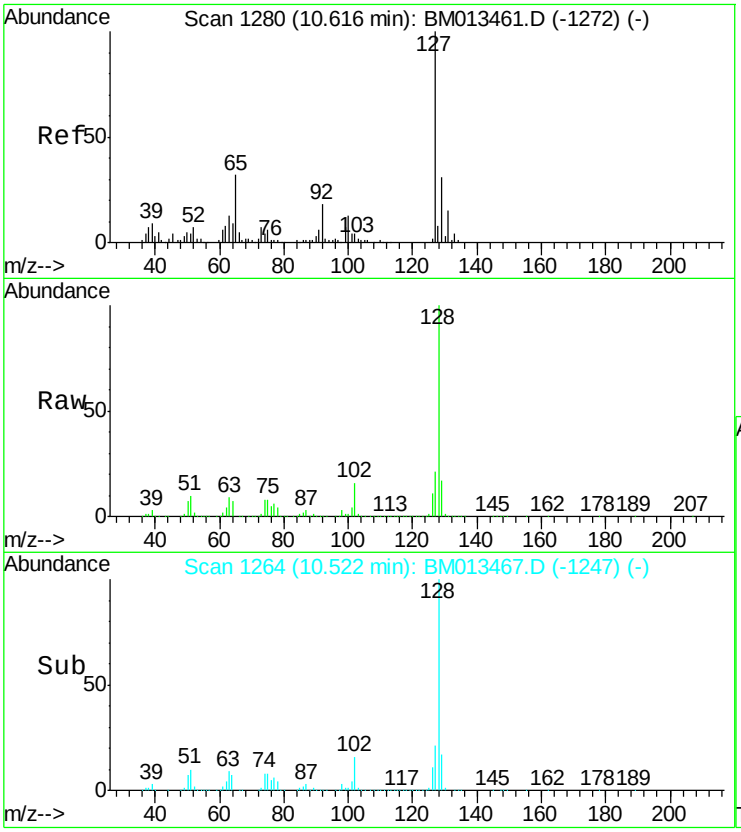


#17
Hexachloroethane
Concen: 1.54 ng/ul
RT: 8.77 min Scan# 966
Delta R.T. 0.03 min
Lab File: BM013467.D
Acq: 16 Dec 2017 08:13

Tgt Ion:117 Resp: 9639

Ion	Ratio	Lower	Upper
117	100		
201	0.0	111.6	167.4#
199	0.0	67.8	101.6#



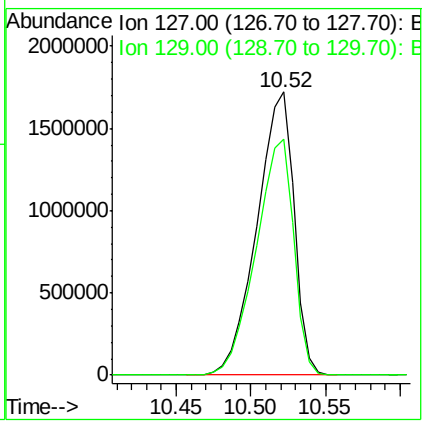


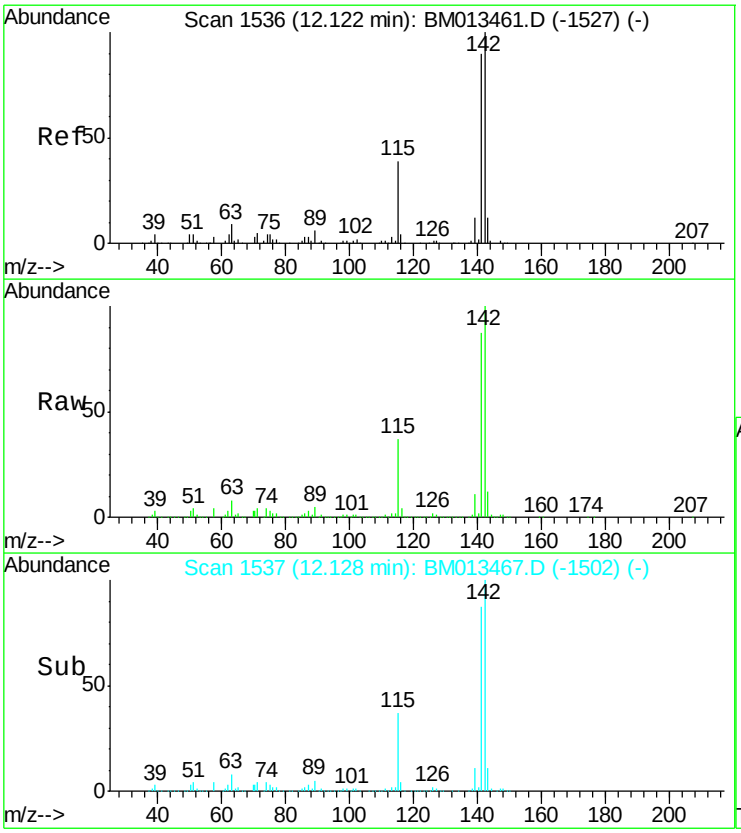
#30
4-Chloroaniline
Concen: 195.05 ng/ul
RT: 10.52 min Scan# 1264
Delta R.T. -0.10 min
Lab File: BM013467.D
Acq: 16 Dec 2017 08:13

Instrument :
BNA_M
ClientSampleId :
F9A58

Tgt Ion:127 Resp: 2971567

Ion	Ratio	Lower	Upper
127	100		
129	83.2	28.4	42.6#

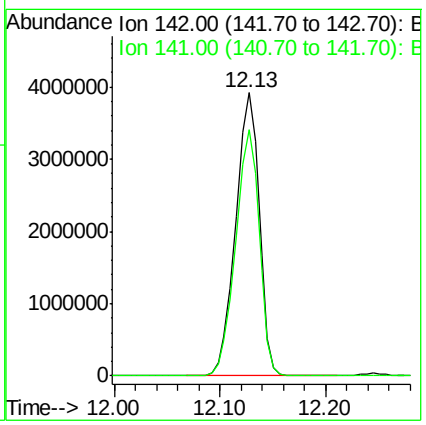


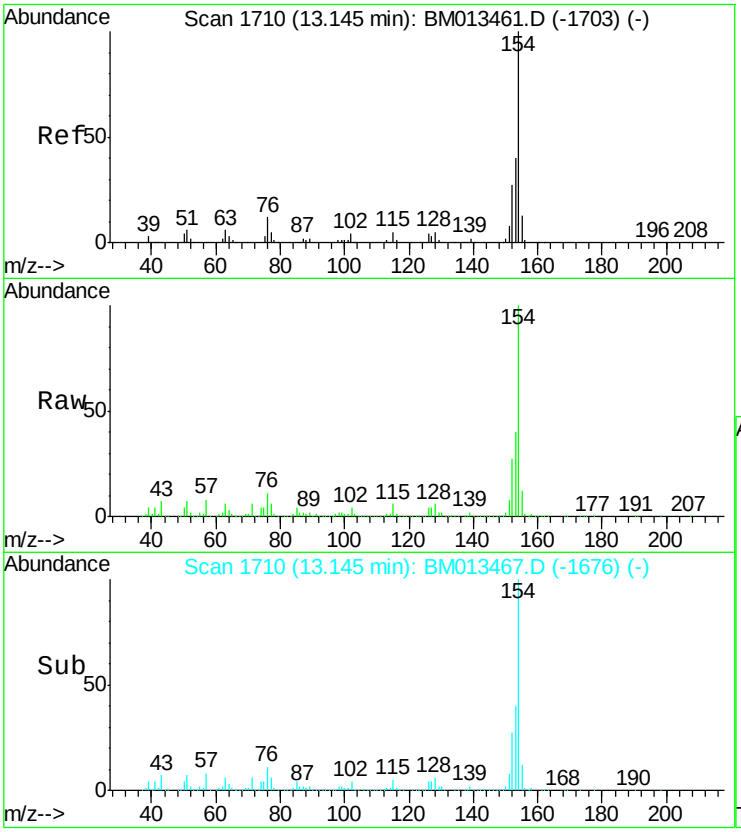


#34
2-Methylnaphthalene
Concen: 159.33 ng/ul
RT: 12.13 min Scan# 1537
Delta R.T. 0.01 min
Lab File: BM013467.D
Acq: 16 Dec 2017 08:13

Tgt Ion:142 Resp: 6032074

Ion	Ratio	Lower	Upper
142	100		
141	87.2	74.1	111.1



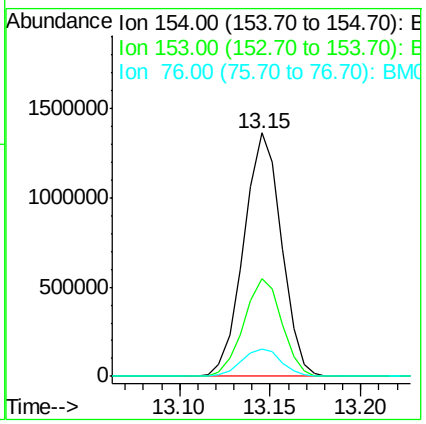


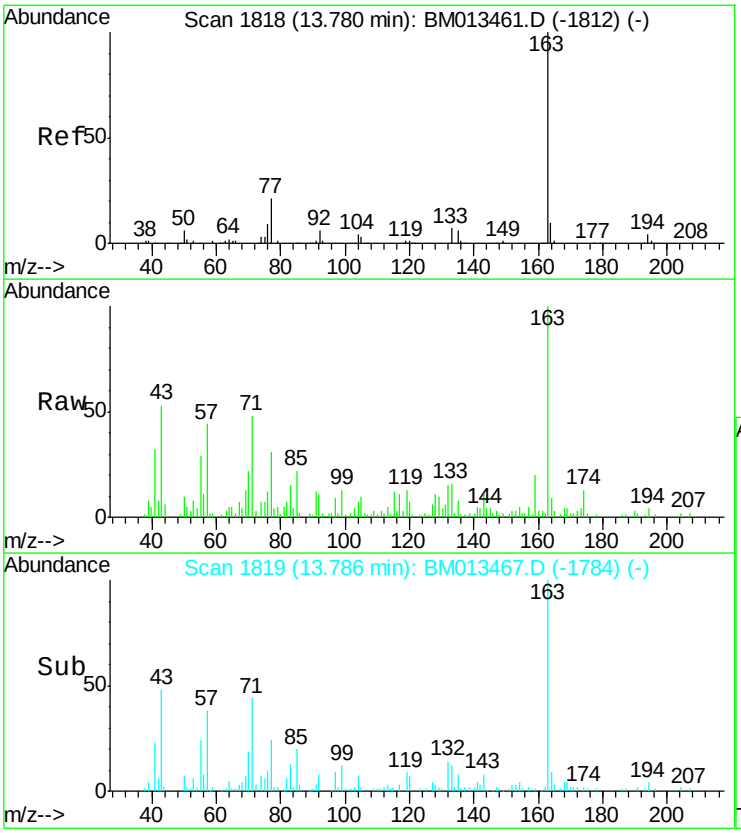
#40
1,1'-Biphenyl
Concen: 40.87 ng/ul
RT: 13.15 min Scan# 1710
Delta R.T. -0.00 min
Lab File: BM013467.D
Acq: 16 Dec 2017 08:13

Instrument :
BNA_M
ClientSampleId :
F9A58

Tgt Ion:154 Resp: 1977671

Ion	Ratio	Lower	Upper
154	100		
153	40.1	32.6	48.8
76	11.4	8.5	12.7

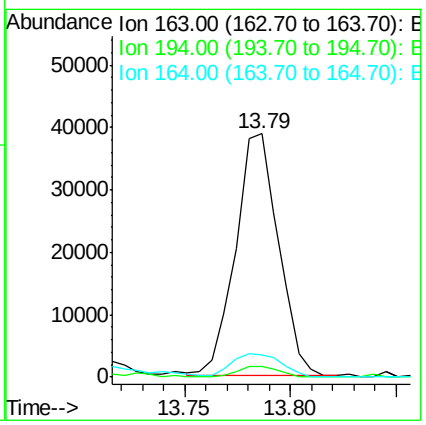


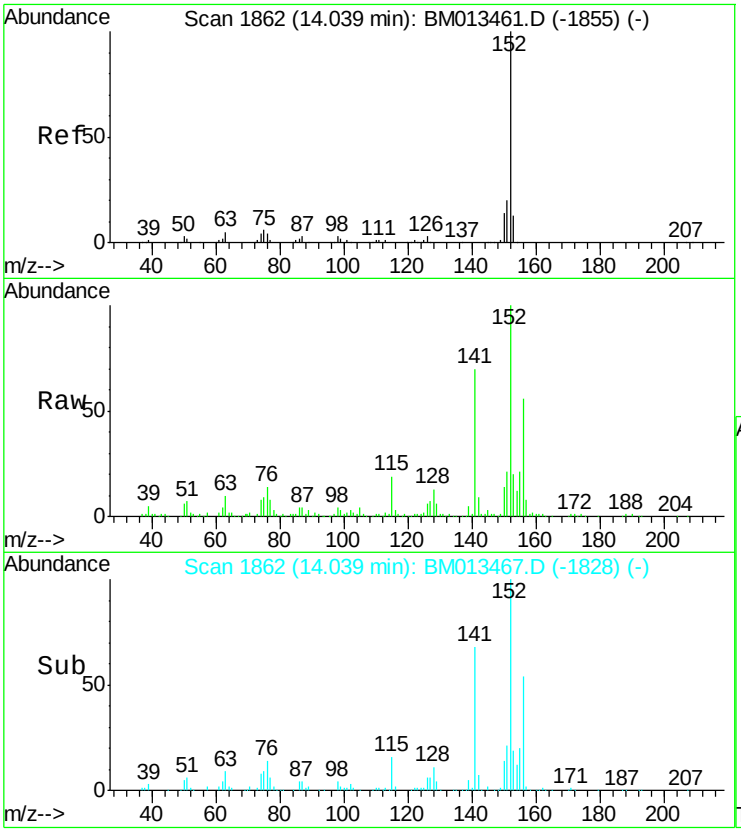


#44
Dimethylphthalate
Concen: 1.12 ng/ul
RT: 13.79 min Scan# 1819
Delta R.T. 0.01 min
Lab File: BM013467.D
Acq: 16 Dec 2017 08:13

Tgt Ion:163 Resp: 54419

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	9.0	8.2	12.4



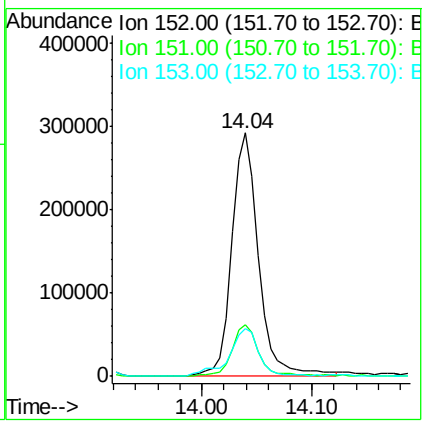


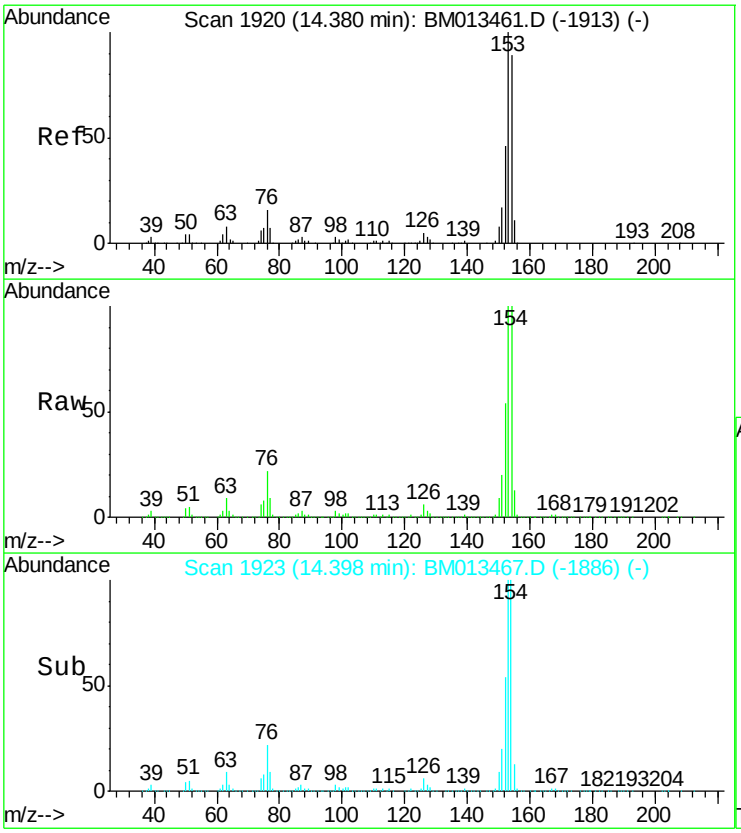
#47
Acenaphthylene
Concen: 8.50 ng/ul
RT: 14.04 min Scan# 1862
Delta R.T. -0.00 min
Lab File: BM013467.D
Acq: 16 Dec 2017 08:13

Instrument :
BNA_M
ClientSampleId :
F9A58

Tgt Ion:152 Resp: 494539

Ion	Ratio	Lower	Upper
152	100		
151	21.4	16.3	24.5
153	19.8	10.2	15.4#

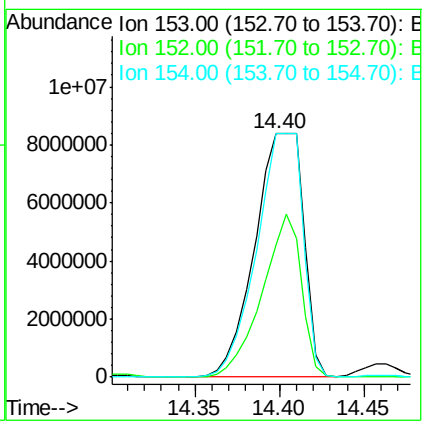


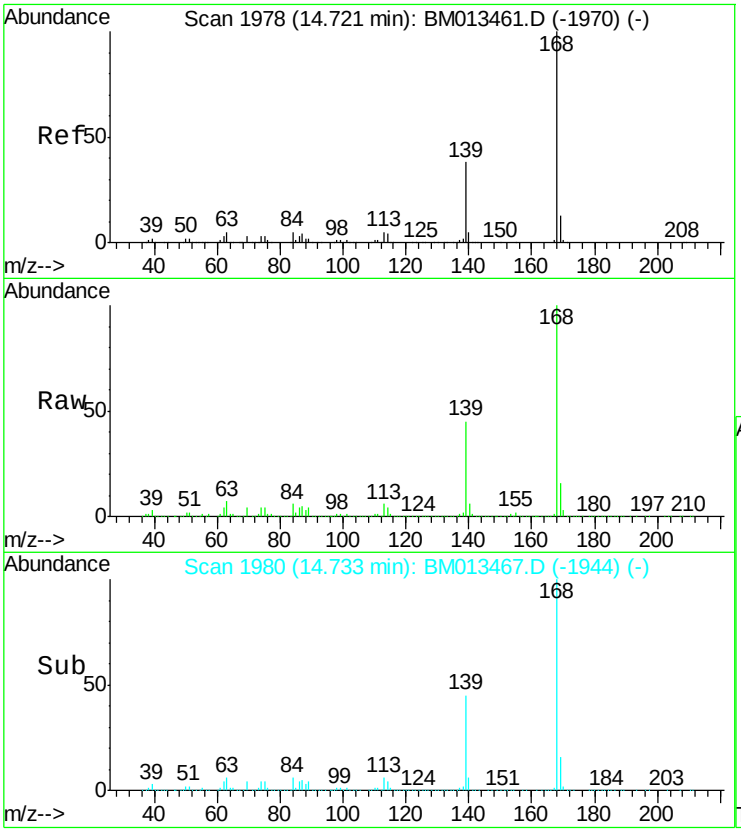


#49
Acenaphthene
Concen: 427.51 ng/ul
RT: 14.40 min Scan# 1923
Delta R.T. 0.02 min
Lab File: BM013467.D
Acq: 16 Dec 2017 08:13

Tgt Ion:153 Resp:16944218

Ion	Ratio	Lower	Upper
153	100		
152	54.2	37.6	56.4
154	100.0	70.4	105.6



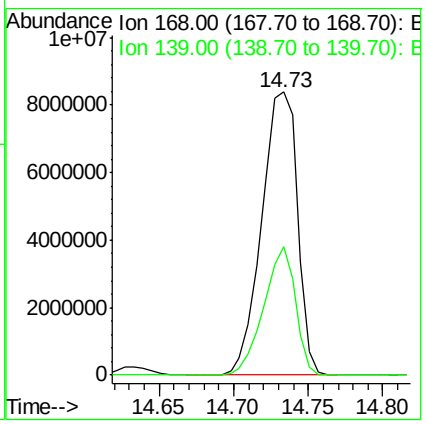


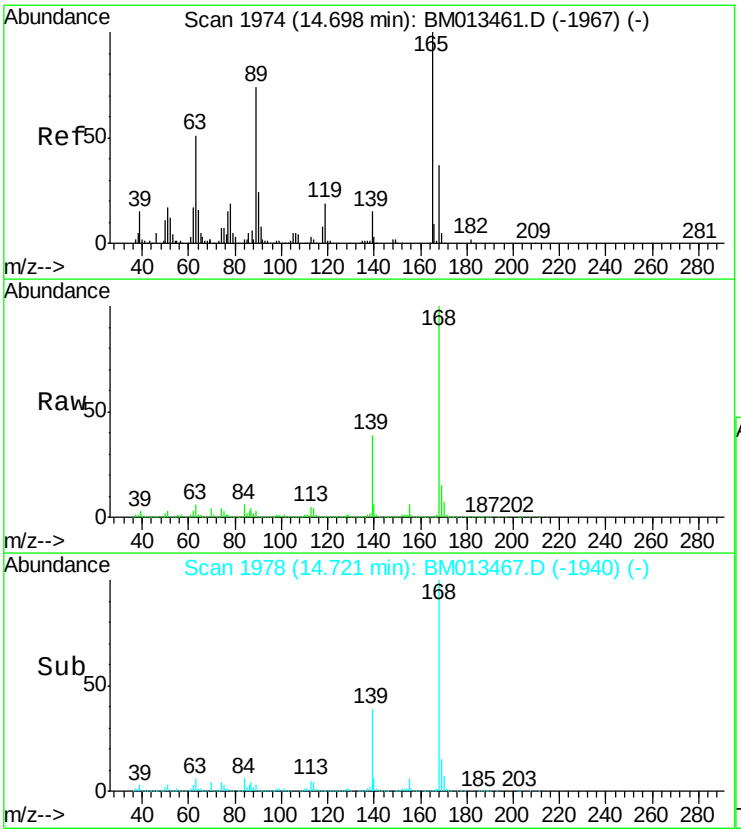
#53
Dibenzofuran
Concen: 239.24 ng/ul
RT: 14.73 min Scan# 1980
Delta R.T. 0.01 min
Lab File: BM013467.D
Acq: 16 Dec 2017 08:13

Instrument :
BNA_M
ClientSampleId :
F9A58

Tgt Ion:168 Resp:13998100

Ion	Ratio	Lower	Upper
168	100		
139	45.3	30.8	46.2

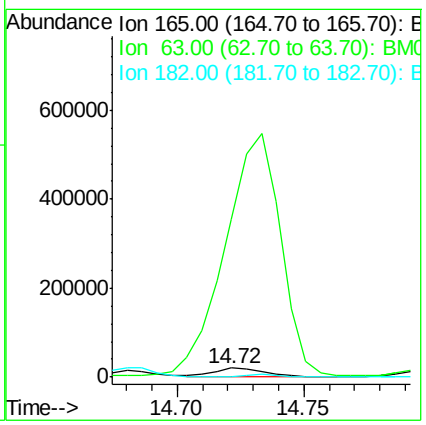


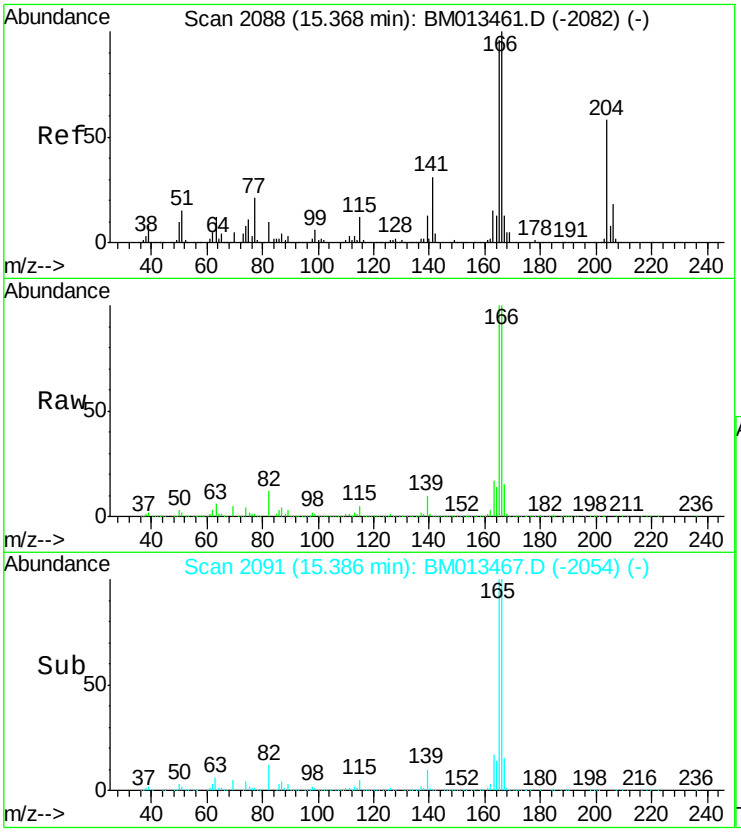


#54
2,4-Dinitrotoluene
Concen: 1.94 ng/ul
RT: 14.72 min Scan# 1978
Delta R.T. 0.02 min
Lab File: BM013467.D
Acq: 16 Dec 2017 08:13

Tgt Ion:165 Resp: 28107

Ion	Ratio	Lower	Upper
165	100		
63	1717.8	45.8	68.8#
182	8.0	2.6	4.0#



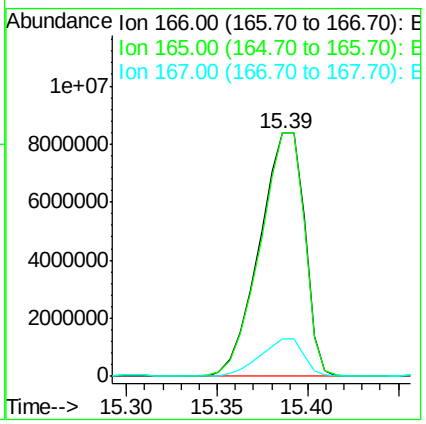


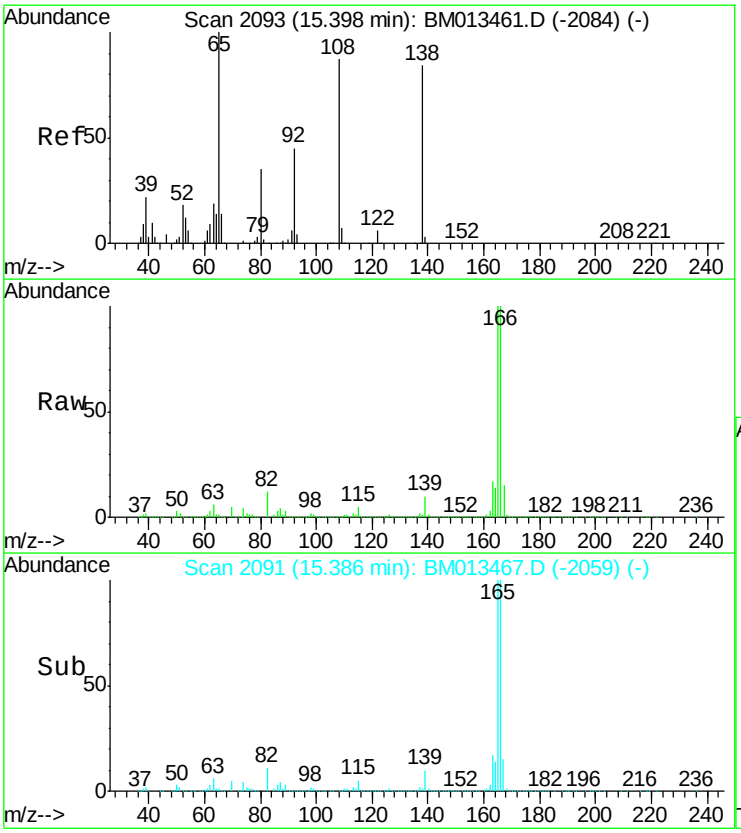
#58
Fluorene
Concen: 300.40 ng/ul
RT: 15.39 min Scan# 2091
Delta R.T. 0.02 min
Lab File: BM013467.D
Acq: 16 Dec 2017 08:13

Instrument :
BNA_M
ClientSampleId :
F9A58

Tgt Ion:166 Resp:14540660

Ion	Ratio	Lower	Upper
166	100		
165	100.0	77.9	116.9
167	15.3	10.6	16.0

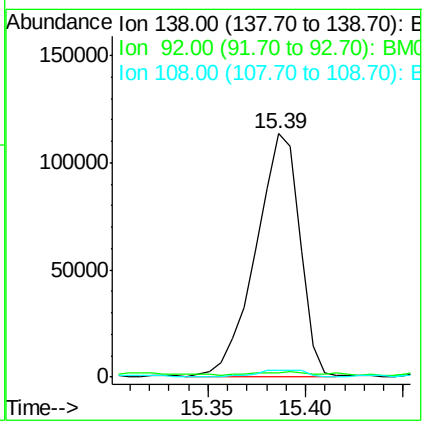


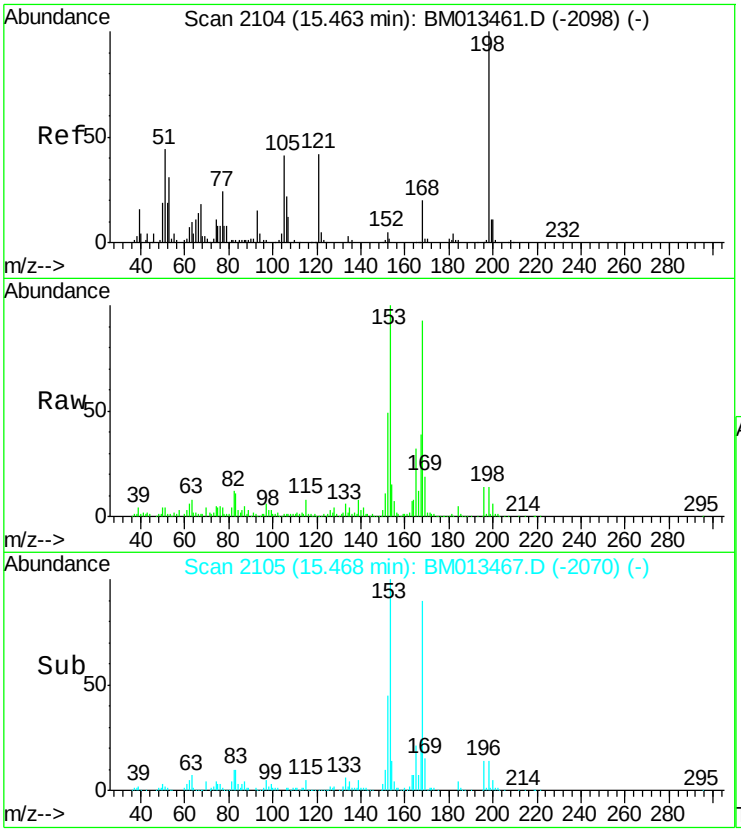


#60
4-Nitroaniline
Concen: 16.81 ng/ul
RT: 15.39 min Scan# 2091
Delta R.T. -0.01 min
Lab File: BM013467.D
Acq: 16 Dec 2017 08:13

Tgt Ion:138 Resp: 176174

Ion	Ratio	Lower	Upper
138	100		
92	1.8	40.0	60.0#
108	2.9	80.0	120.0#



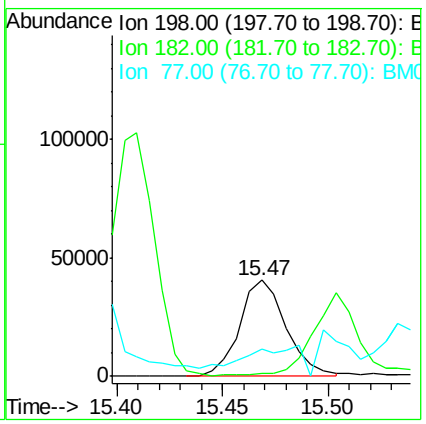


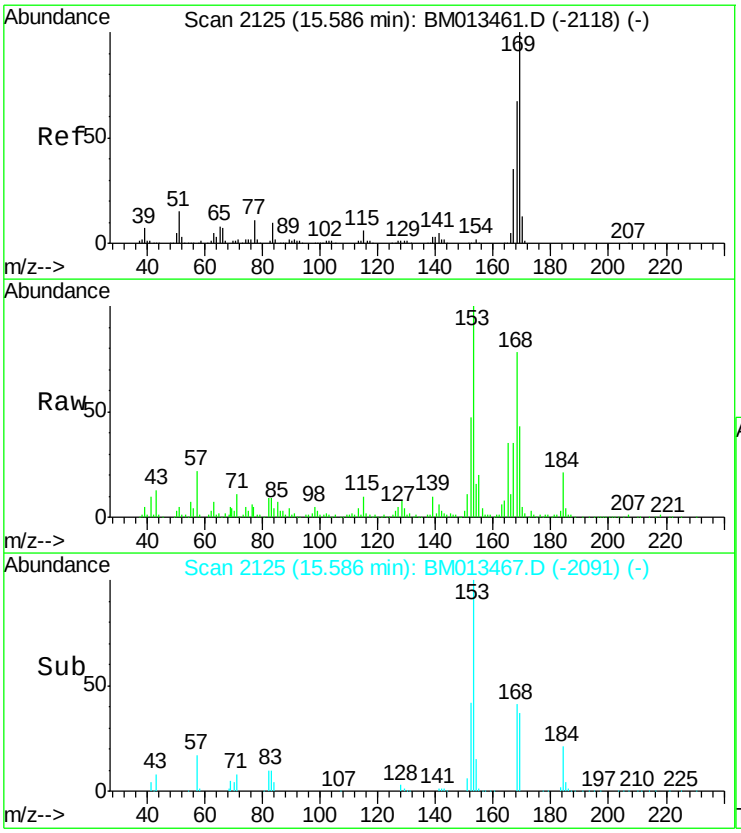
#63
4,6-Dinitro-2-methylphenol
Concen: 7.89 ng/ul
RT: 15.47 min Scan# 2105
Delta R.T. 0.01 min
Lab File: BM013467.D
Acq: 16 Dec 2017 08:13

Instrument :
BNA_M
ClientSampleId :
F9A58

Tgt Ion:198 Resp: 62173

Ion	Ratio	Lower	Upper
198	100		
182	2.5	3.8	5.6#
77	28.1	25.2	37.8

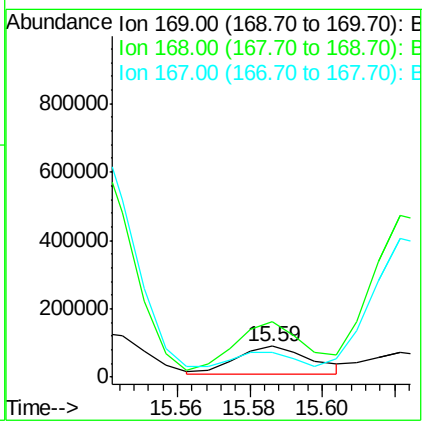


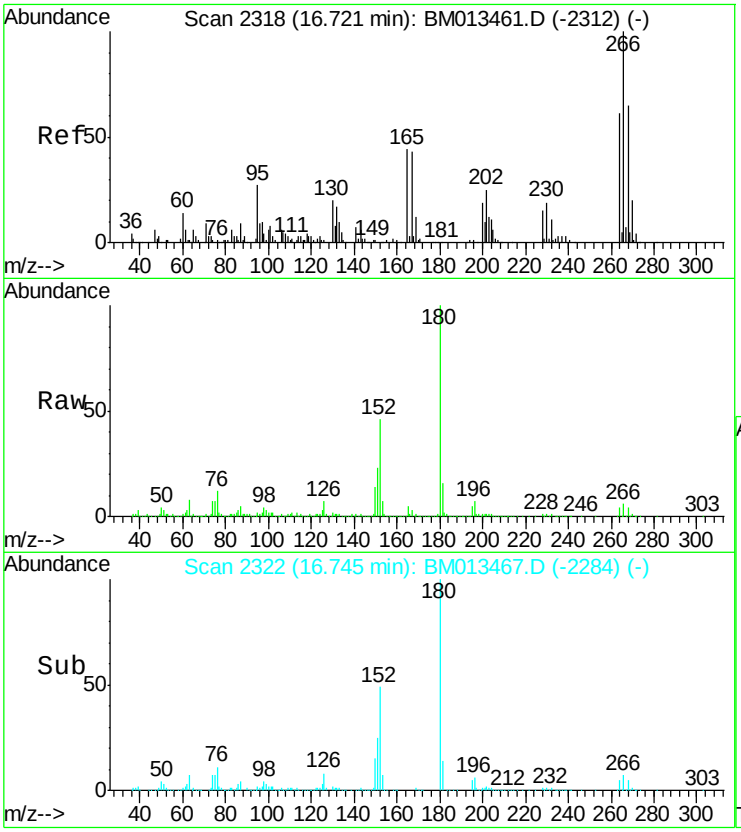


#64
N-Nitrosodiphenylamine
Concen: 3.15 ng/ul
RT: 15.59 min Scan# 2125
Delta R.T. -0.00 min
Lab File: BM013467.D
Acq: 16 Dec 2017 08:13

Tgt Ion:169 Resp: 116523

Ion	Ratio	Lower	Upper
169	100		
168	182.6	54.0	81.0#
167	80.7	29.1	43.7#



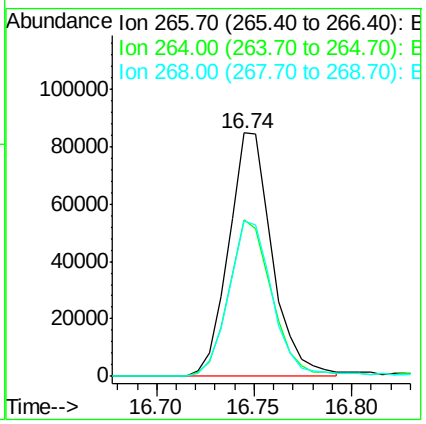


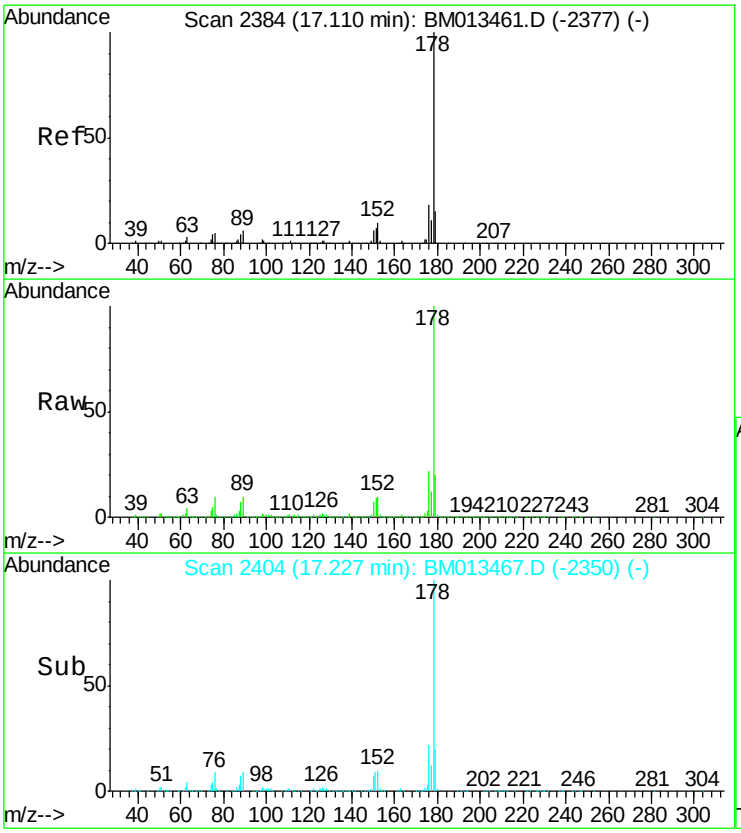
#68
Pentachlorophenol
Concen: 13.92 ng/ul
RT: 16.74 min Scan# 2322
Delta R.T. 0.02 min
Lab File: BM013467.D
Acq: 16 Dec 2017 08:13

Instrument :
BNA_M
ClientSampleId :
F9A58

Tgt Ion:266 Resp: 130878

Ion	Ratio	Lower	Upper
266	100		
264	64.1	49.3	73.9
268	63.8	52.6	78.8

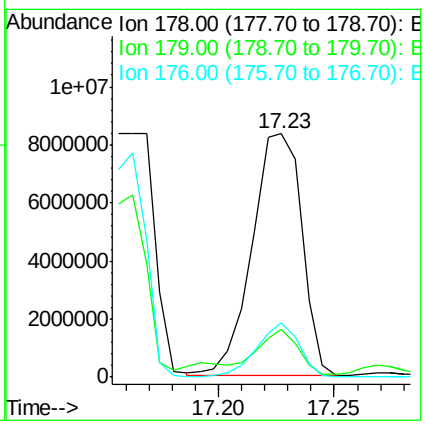


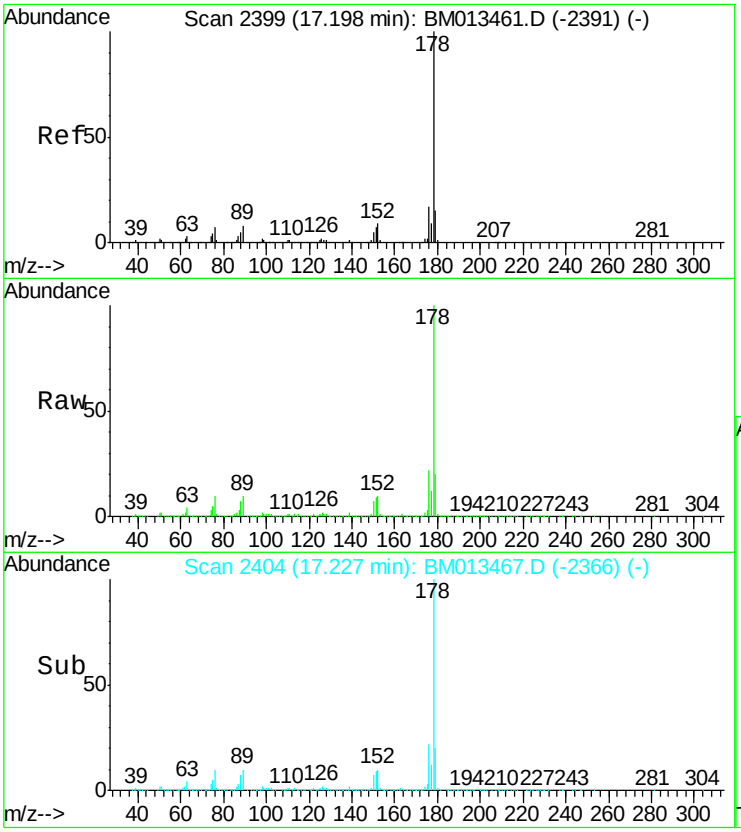


#69
Phenanthrene
Concen: 174.47 ng/ul
RT: 17.23 min Scan# 2404
Delta R.T. 0.12 min
Lab File: BM013467.D
Acq: 16 Dec 2017 08:13

Tgt Ion:178 Resp:12428901

Ion	Ratio	Lower	Upper
178	100		
179	19.8	12.6	19.0#
176	22.3	14.9	22.3#



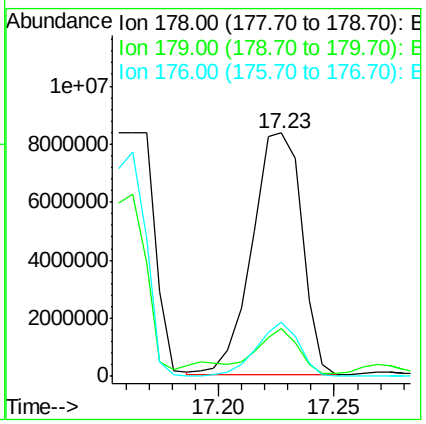


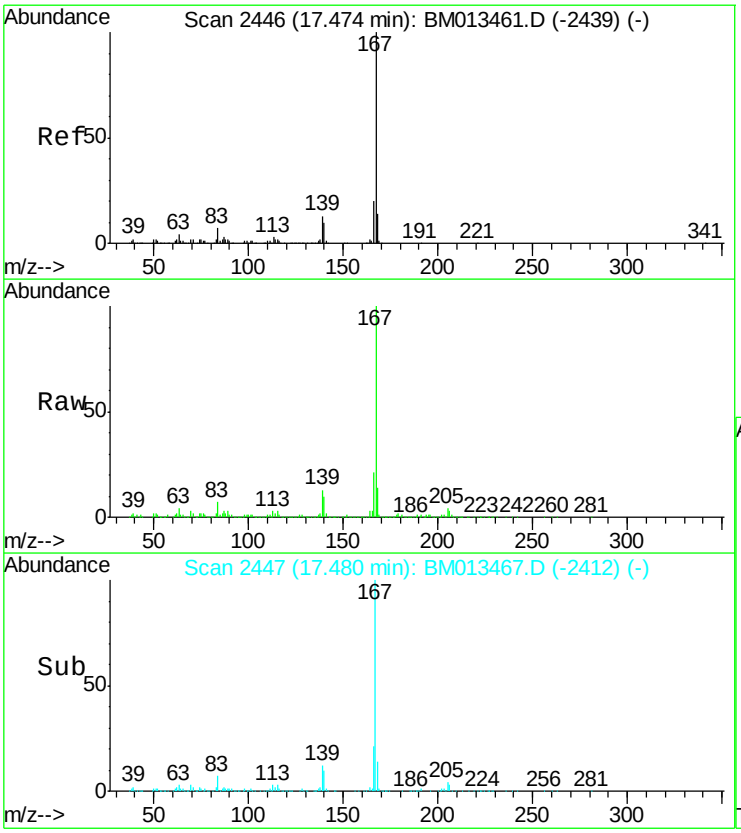
#71
Anthracene
Concen: 170.69 ng/ul
RT: 17.23 min Scan# 2404
Delta R.T. 0.02 min
Lab File: BM013467.D
Acq: 16 Dec 2017 08:13

Instrument :
BNA_M
ClientSampleId :
F9A58

Tgt Ion:178 Resp:12428901

Ion	Ratio	Lower	Upper
178	100		
179	19.8	11.7	17.5#
176	22.3	14.6	21.8#

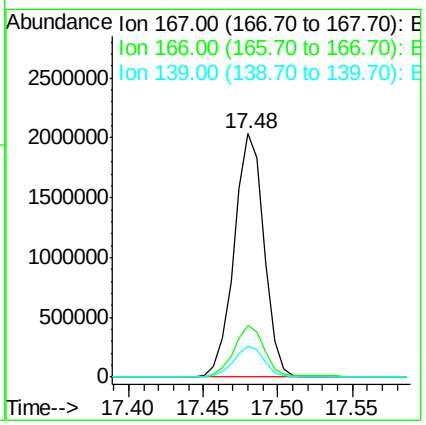


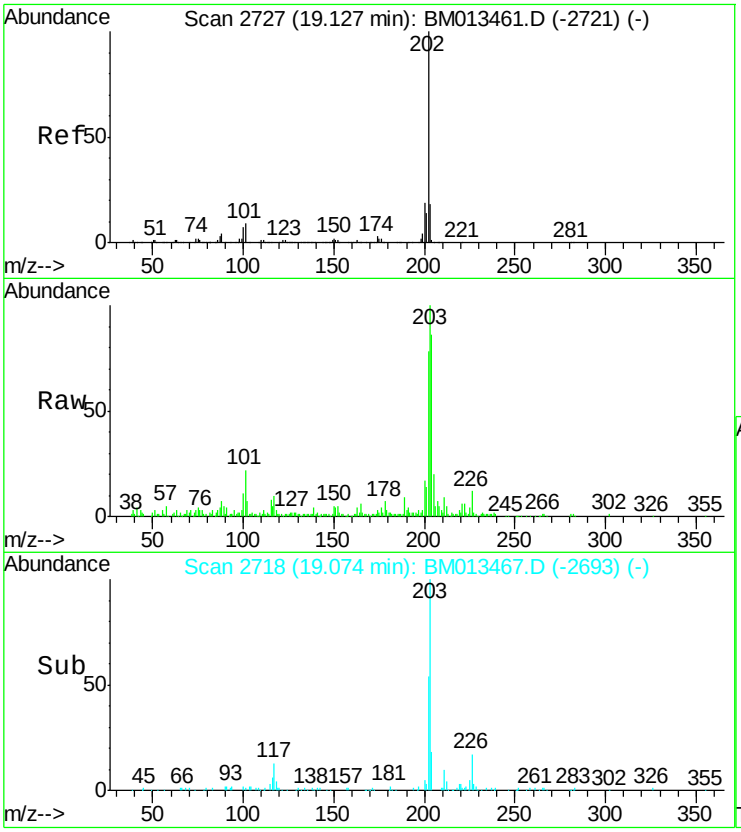


#72
Carbazole
Concen: 45.08 ng/ul
RT: 17.48 min Scan# 2447
Delta R.T. 0.01 min
Lab File: BM013467.D
Acq: 16 Dec 2017 08:13

Tgt Ion:167 Resp: 2823666

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.1	25.7
139	12.7	10.0	15.0



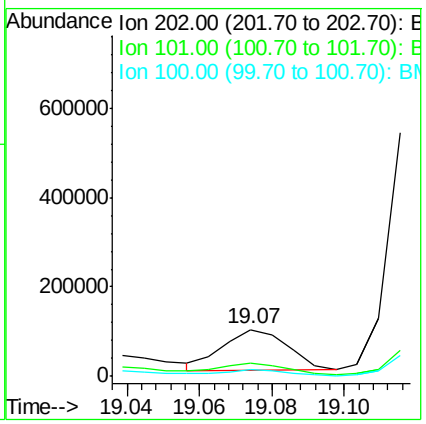


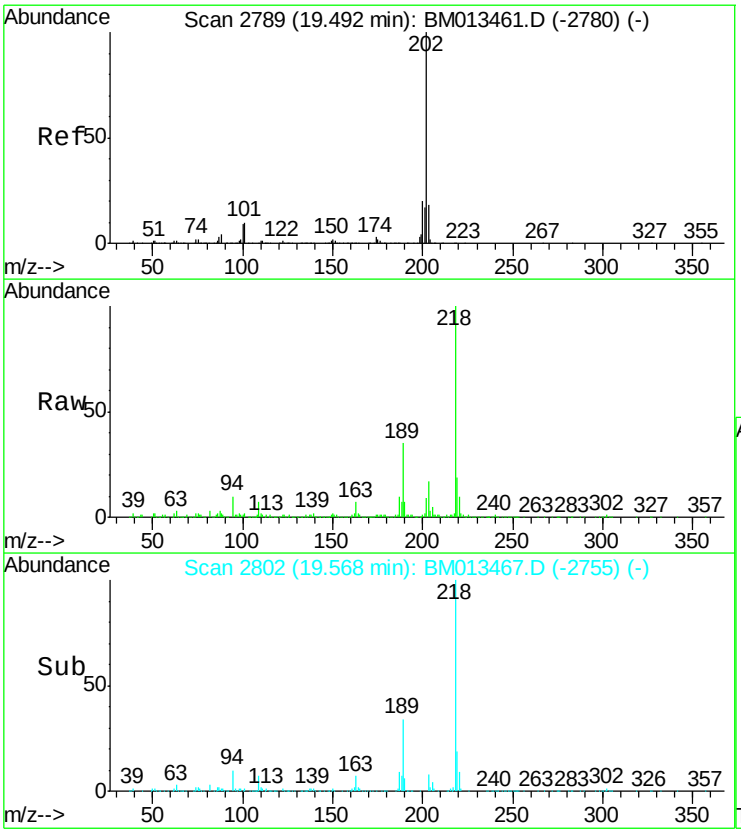
#74
Fluoranthene
Concen: 1.30 ng/ul
RT: 19.07 min Scan# 2718
Delta R.T. -0.05 min
Lab File: BM013467.D
Acq: 16 Dec 2017 08:13

Instrument :
BNA_M
ClientSampleId :
F9A58

Tgt Ion:202 Resp: 113252

Ion	Ratio	Lower	Upper
202	100		
101	28.3	4.6	7.0#
100	13.6	3.4	5.2#

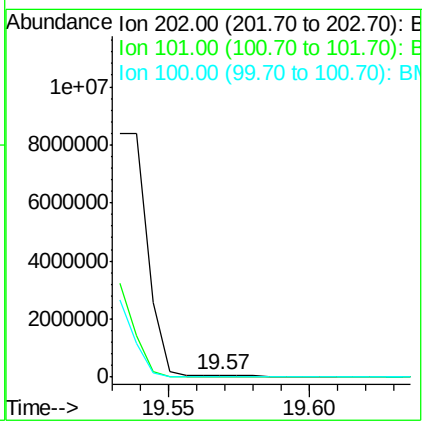


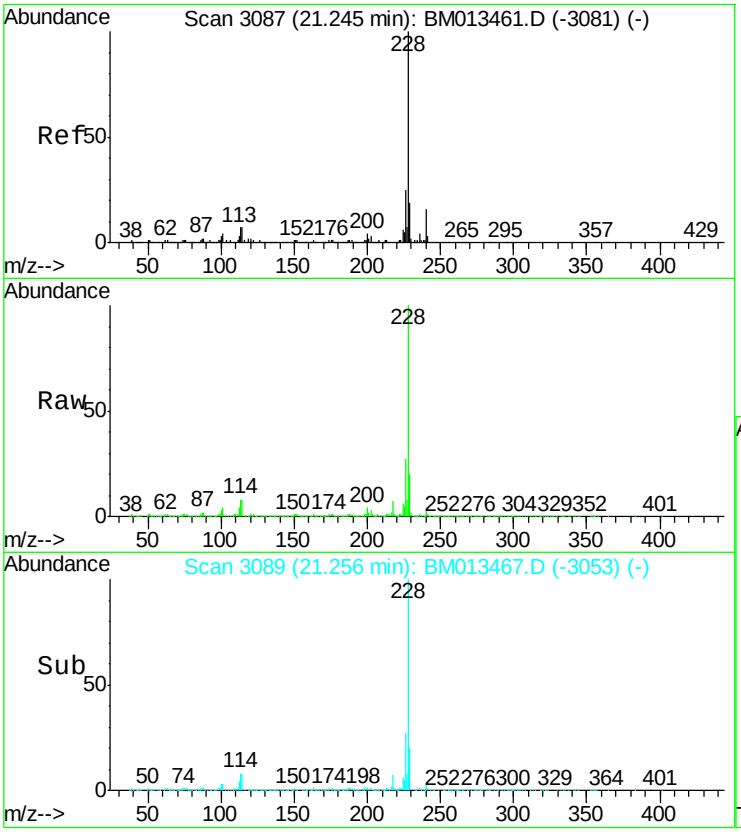


#77
Pyrene
Concen: 1.17 ng/ul
RT: 19.57 min Scan# 2802
Delta R.T. 0.08 min
Lab File: BM013467.D
Acq: 16 Dec 2017 08:13

Tgt Ion:202 Resp: 85185

Ion	Ratio	Lower	Upper
202	100		
101	24.1	5.1	7.7#
100	11.1	4.9	7.3#



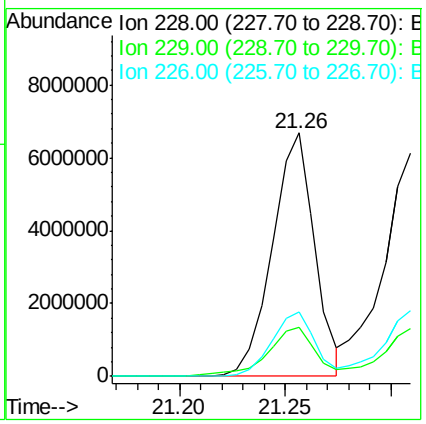


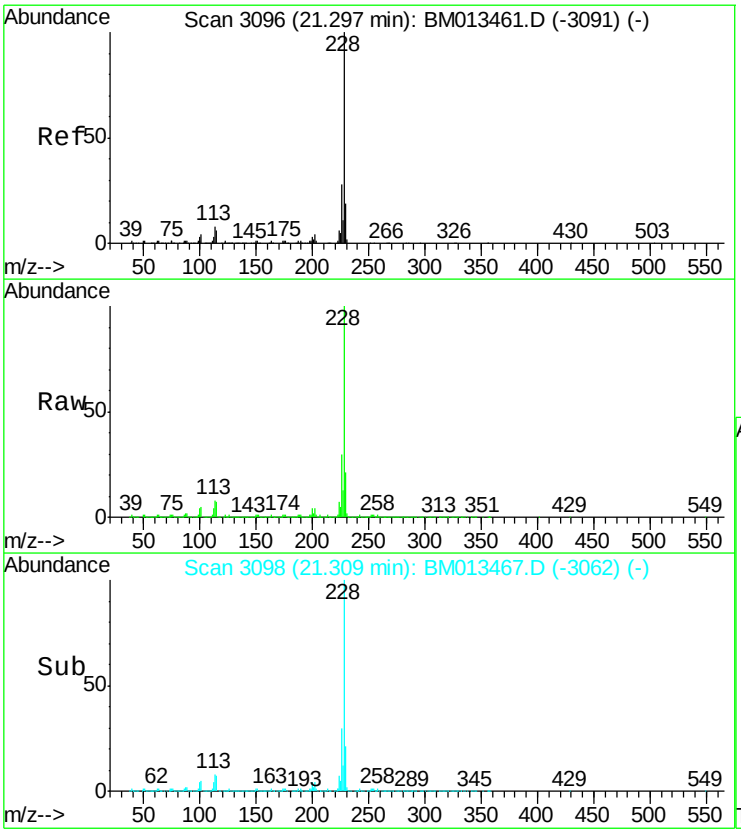
#80
Benzo(a)anthracene
Concen: 121.12 ng/ul
RT: 21.26 min Scan# 3089
Delta R.T. 0.01 min
Lab File: BM013467.D
Acq: 16 Dec 2017 08:13

Instrument :
BNA_M
ClientSampleId :
F9A58

Tgt Ion:228 Resp: 9241661

Ion	Ratio	Lower	Upper
228	100		
229	20.4	15.4	23.0
226	26.7	21.4	32.0

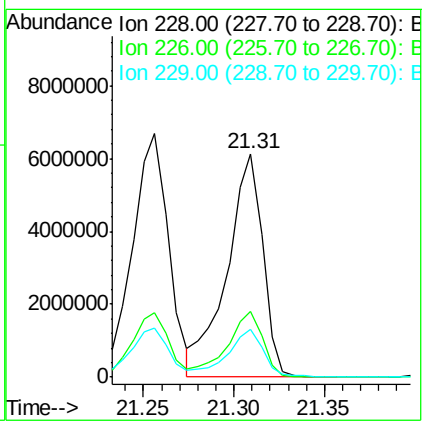


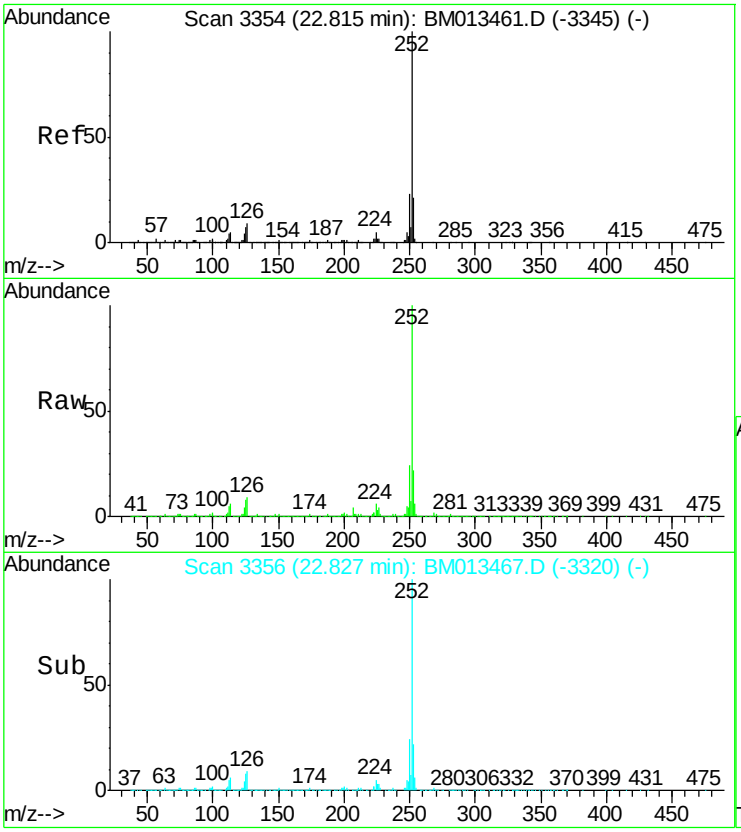


#82
Chrysene
Concen: 118.78 ng/ul
RT: 21.31 min Scan# 3098
Delta R.T. 0.01 min
Lab File: BM013467.D
Acq: 16 Dec 2017 08:13

Tgt Ion:228 Resp: 8407775

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.4	35.2
229	21.2	15.5	23.3



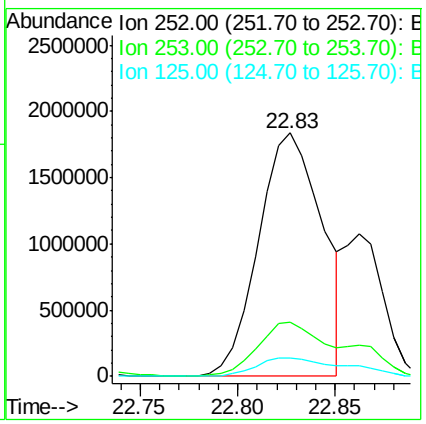


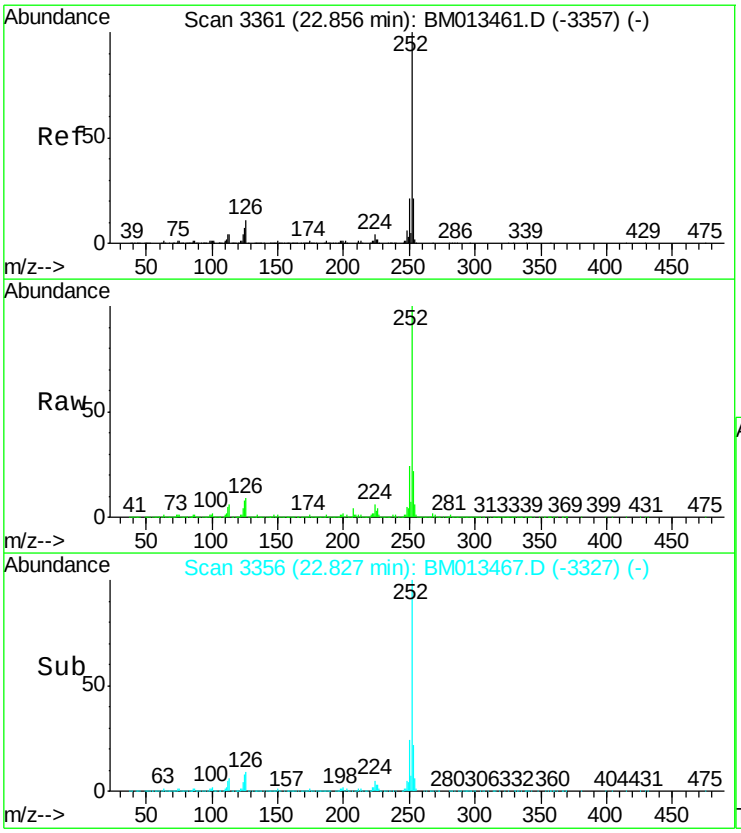
#85
Benzo(b)fluoranthene
Concen: 66.01 ng/ul
RT: 22.83 min Scan# 3356
Delta R.T. 0.01 min
Lab File: BM013467.D
Acq: 16 Dec 2017 08:13

Instrument :
BNA_M
ClientSampleId :
F9A58

Tgt Ion:252 Resp: 4139411

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	7.6	3.6	5.4#

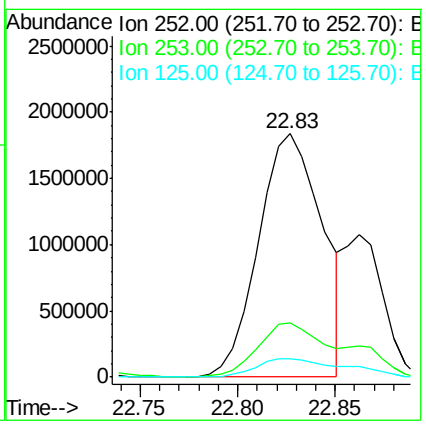


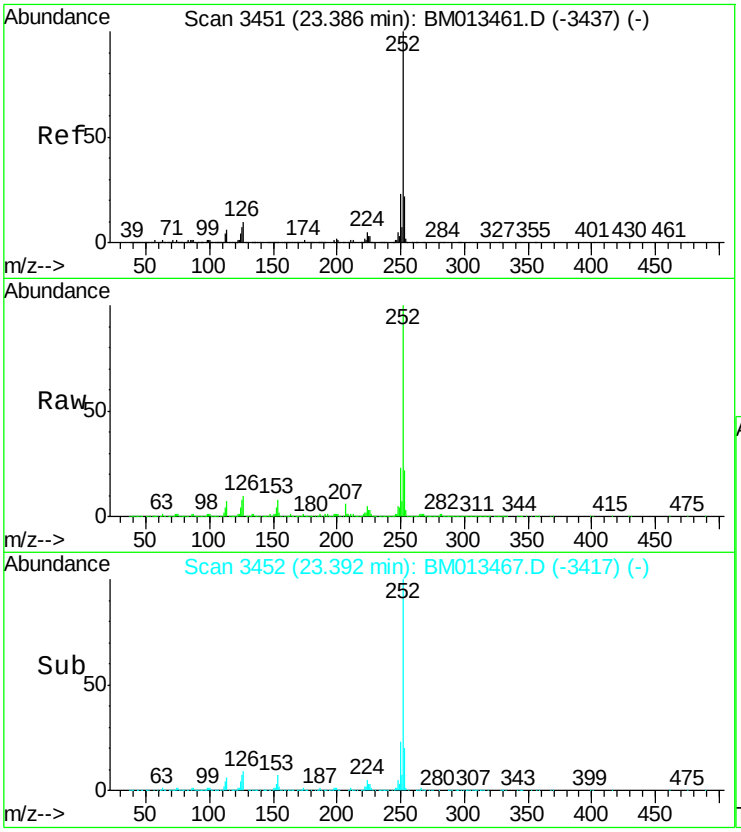


#86
Benzo(k)fluoranthene
Concen: 70.15 ng/ul
RT: 22.83 min Scan# 3356
Delta R.T. -0.03 min
Lab File: BM013467.D
Acq: 16 Dec 2017 08:13

Tgt Ion:252 Resp: 4139411

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	7.6	3.4	5.2#



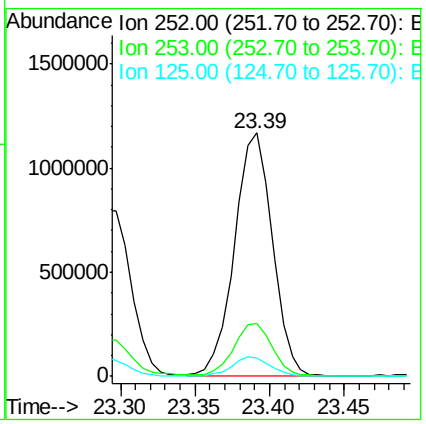


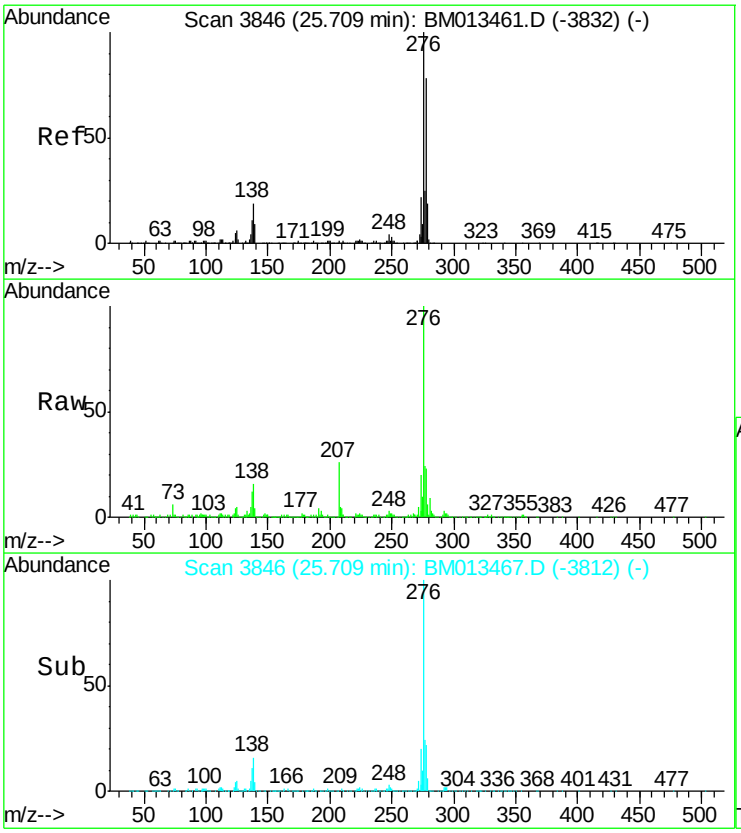
#88
Benzo(a)pyrene
Concen: 36.35 ng/ul
RT: 23.39 min Scan# 3452
Delta R.T. 0.01 min
Lab File: BM013467.D
Acq: 16 Dec 2017 08:13

Instrument :
BNA_M
ClientSampleId :
F9A58

Tgt Ion:252 Resp: 2047733

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.2	27.2
125	7.5	4.0	6.0#

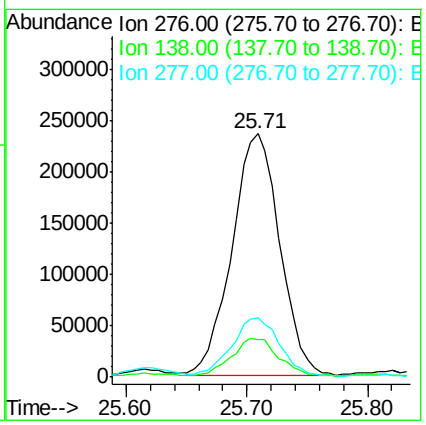


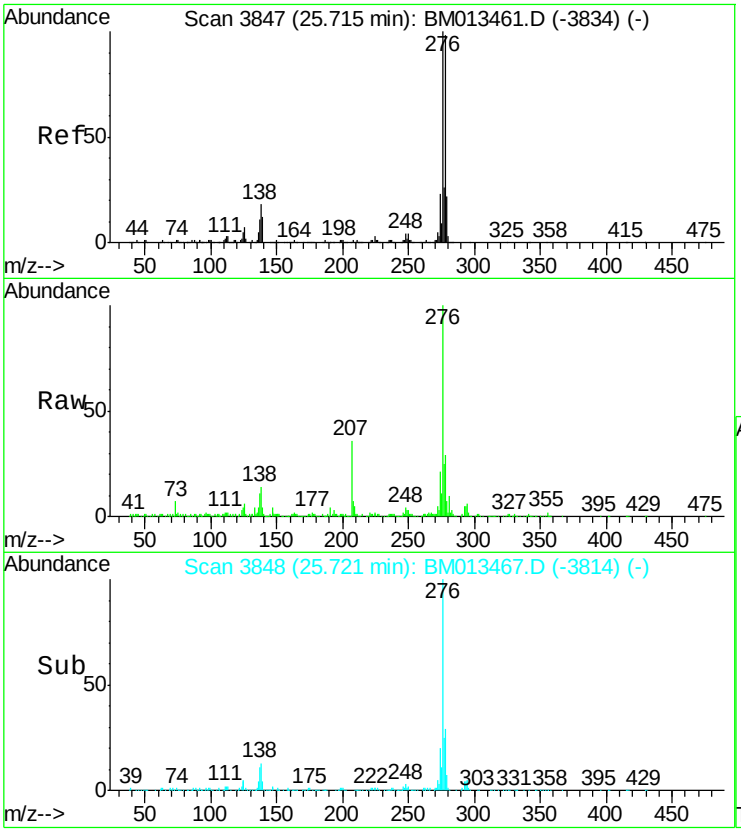


#89
Indeno(1,2,3-cd)pyrene
Concen: 11.56 ng/ul
RT: 25.71 min Scan# 3846
Delta R.T. -0.00 min
Lab File: BM013467.D
Acq: 16 Dec 2017 08:13

Tgt Ion:276 Resp: 645948

Ion	Ratio	Lower	Upper
276	100		
138	15.6	9.3	13.9#
277	24.4	19.9	29.9



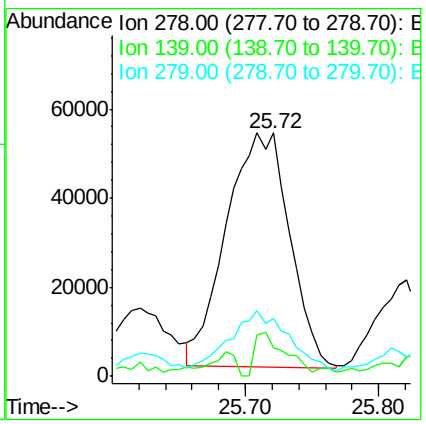


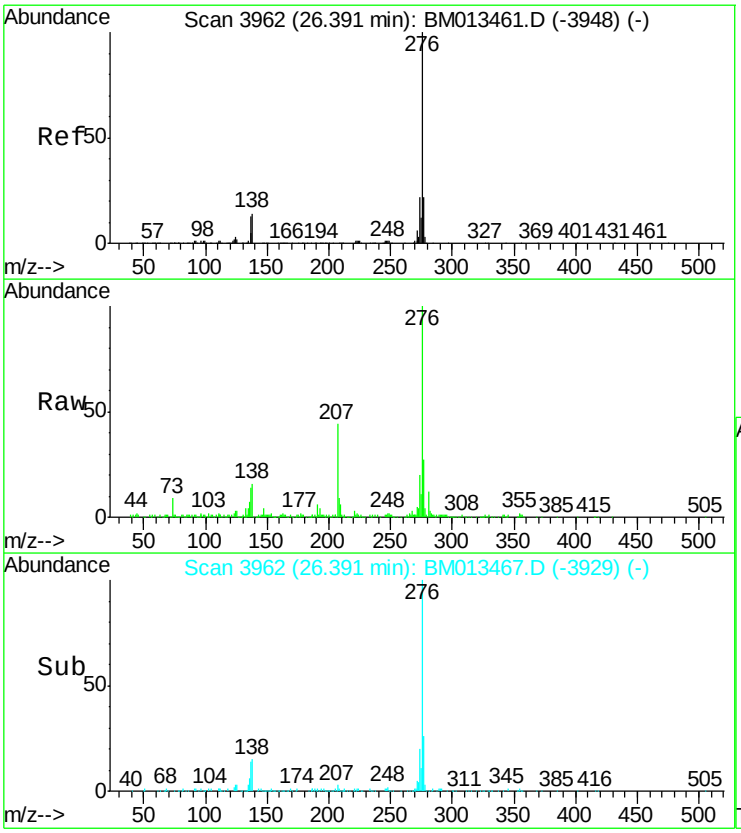
#90
Dibenzo(a,h)anthracene
Concen: 3.65 ng/ul
RT: 25.72 min Scan# 3848
Delta R.T. -0.00 min
Lab File: BM013467.D
Acq: 16 Dec 2017 08:13

Instrument :
BNA_M
ClientSampleId :
F9A58

Tgt Ion:278 Resp: 173557

Ion	Ratio	Lower	Upper
278	100		
139	11.9	5.8	8.8#
279	23.7	18.6	27.8





#91
Benzo(g,h,i)perylene
Concen: 10.96 ng/ul
RT: 26.39 min Scan# 3962
Delta R.T. -0.01 min
Lab File: BM013467.D
Acq: 16 Dec 2017 08:13

Tgt Ion:276 Resp: 482965

Ion	Ratio	Lower	Upper
276	100		
138	15.5	8.5	12.7#
277	26.7	18.6	28.0