Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120817\
Data File : BM013290.D
Acq On : 09 Dec 2017 04:09
Operator : SJ/JU
Sample : I6759-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A03

Quant Time: Dec 09 04:52:51 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 08 23:45:50 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	184390	20.00	ng/ul	0.00
18) Naphthalene-d8	10.47	136	809767	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	524266	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	1197380	20.00	ng/ul	0.00
75) Chrysene-d12	21.28	240	1502754	20.00	ng/ul	0.00
83) Perylene-d12	23.50	264	1503472	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.23	96	17623	4.73	ng/uL	0.00
5) Phenol-d5	6.87	99	449742	28.19	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	281298	30.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	368271	29.54	ng/ul	0.00
13) 4-Methylphenol-d8	8.40	113	406606	29.83	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	212339	33.07	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	237581	34.57	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	431939	30.50	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	553466	42.52	ng/ul	0.00
43) Dimethylphthalate-d6	13.76	166	1459031	31.27	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	1807649	31.40	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	218290	26.93	ng/ul	0.00
57) Fluorene-d10	15.33	176	1245563	31.04	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.48	200	190334	25.27	ng/ul	0.02
70) Anthracene-d10	17.20	188	2002277	33.39	ng/ul	0.02
76) Pyrene-d10	19.49	212	2483788	33.18	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.37	264	2547977	33.27	ng/ul	0.01
Target Compounds						Qvalue
6) Phenol	6.90	94	62144	3.940	ng/ul#	85
15) N-Nitroso-di-n-propylamine	8.40	70	11544	1.106	ng/ul#	1
40) 1,1'-Biphenyl	13.16	154	2281861	51.500	ng/ul	97
44) Dimethylphthalate	13.80	163	254323	5.700	ng/ul	98
47) Acenaphthylene	14.06	152	171132	3.212	ng/ul#	86
49) Acenaphthene	14.42	153	13808803	380.479	ng/ul	89
53) Dibenzofuran	14.74	168	12236185	228.379	ng/ul	99
58) Fluorene	15.40	166	11795616	266.123	ng/ul	99
60) 4-Nitroaniline	15.40	138	137154	14.291	ng/ul#	12
64) N-Nitrosodiphenylamine	15.60	169	54278	1.539	ng/ul#	1
69) Phenanthrene	17.23	178	6987385	102.717	ng/ul	99
71) Anthracene	17.23	178	6987385	100.490	ng/ul	99
72) Carbazole	17.49	167	2231273	37.307	ng/ul	99
74) Fluoranthene	19.09	202	86833	1.042	ng/ul#	34
80) Benzo(a)anthracene	21.26	228	6668160	69.936	ng/ul	98
82) Chrysene	21.31	228	7106693	80.341	ng/ul	98
85) Benzo(b)fluoranthene	22.84	252	3272885	32.292	ng/ul#	98
86) Benzo(k)fluoranthene	22.84	252	3272885	34.315	ng/ul#	97
88) Benzo(a)pyrene	23.41	252	1752623	19.250	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.73	276	464578	5.143	ng/ul#	92
90) Dibenzo(a,h)anthracene	25.74	278	129158	1.679	ng/ul#	86
91) Benzo(g,h,i)perylene	26.41	276	331230	4.648	ng/ul#	92

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120817\
Data File : BM013290.D
Acq On : 09 Dec 2017 04:09
Operator : SJ/JU
Sample : I6759-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A03

Quant Time: Dec 09 04:52:51 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 08 23:45:50 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120817\
Data File : BM013290.D
Acq On : 09 Dec 2017 04:09
Operator : SJ/JU
Sample : I6759-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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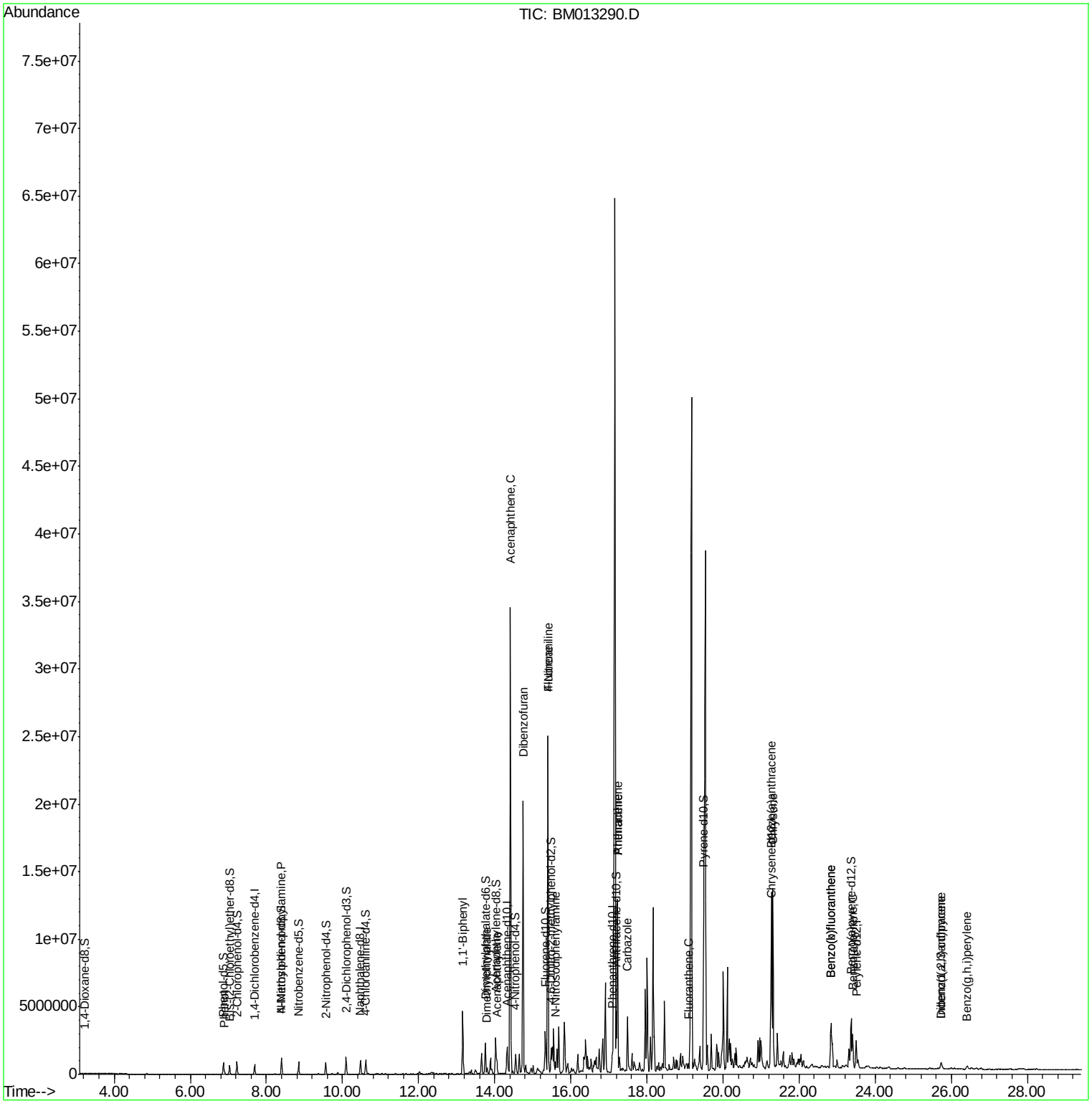
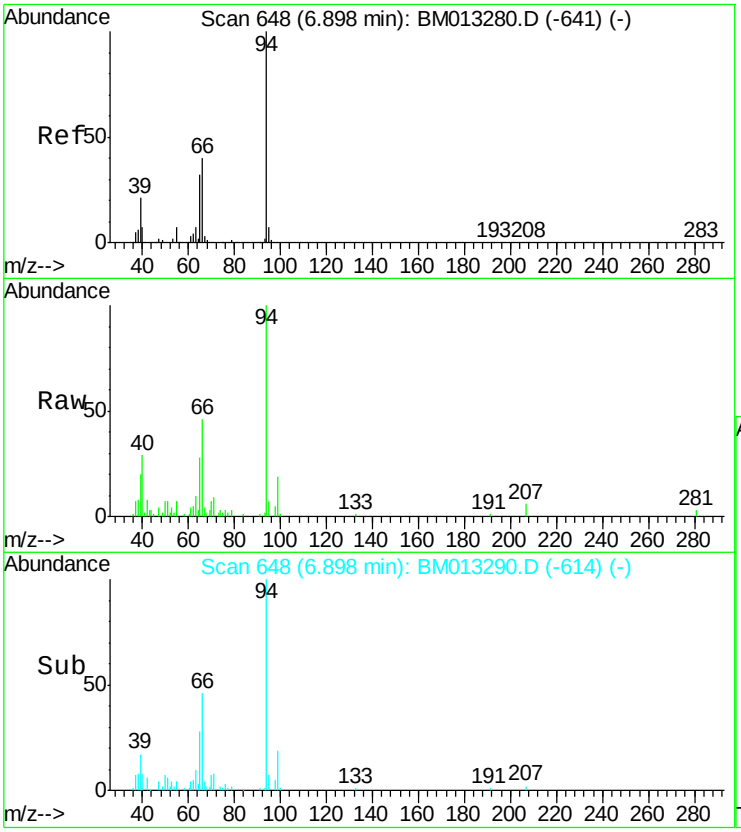
Quant Time: Dec 09 04:52:51 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 08 23:45:50 2017
Response via : Initial Calibration



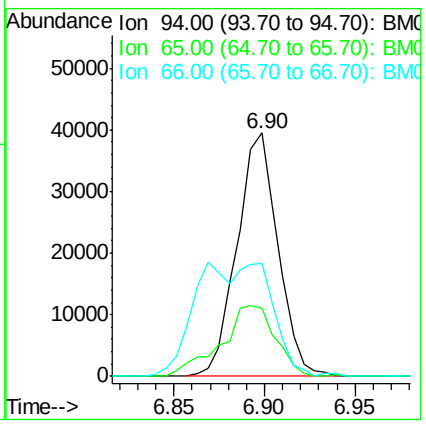


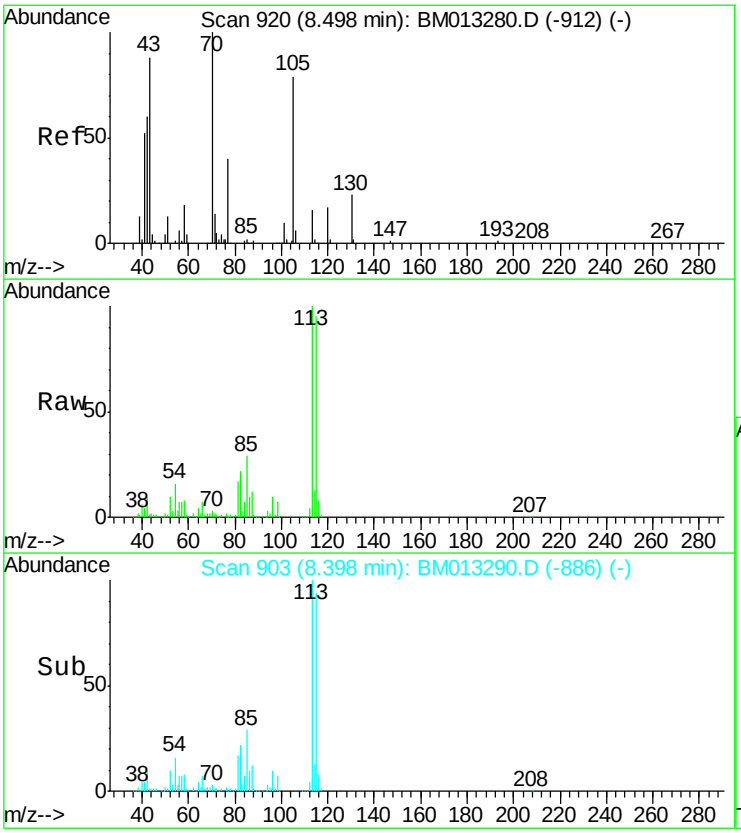
#6
Phenol
Concen: 3.940 ng/ul
RT: 6.90 min Scan# 648
Delta R.T. 0.00 min
Lab File: BM013290.D
Acq: 09 Dec 2017 04:09

Instrument :
BNA_M
ClientSampleId :
F9A03

Tgt Ion: 94 Resp: 62144

Ion	Ratio	Lower	Upper
94	100		
65	27.8	28.2	42.4#
66	46.2	47.2	70.8#

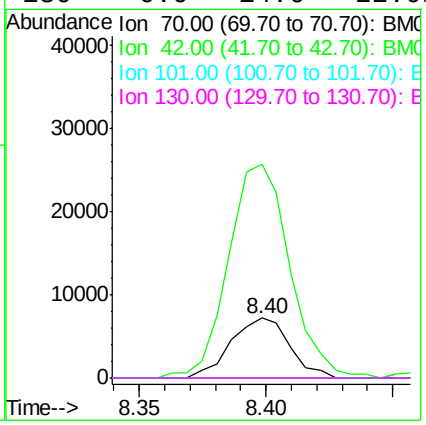


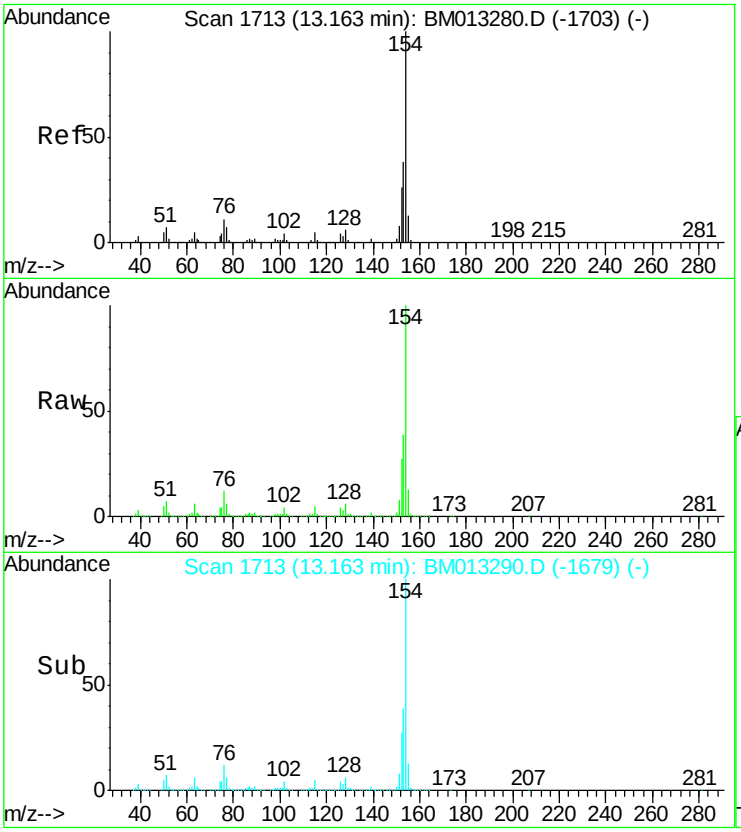


#15
N-Nitroso-di-n-propylamine
Concen: 1.106 ng/ul
RT: 8.40 min Scan# 903
Delta R.T. -0.10 min
Lab File: BM013290.D
Acq: 09 Dec 2017 04:09

Tgt Ion: 70 Resp: 11544

Ion	Ratio	Lower	Upper
70	100		
42	358.5	76.0	114.0#
101	0.0	6.7	10.1#
130	0.0	14.6	22.0#



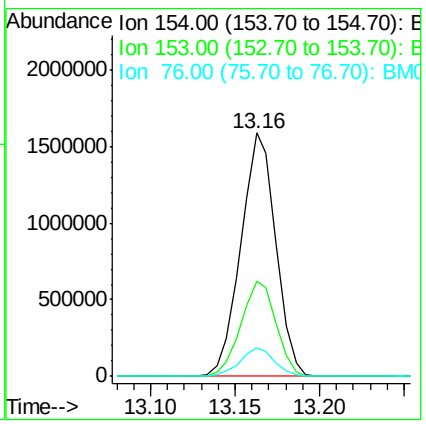


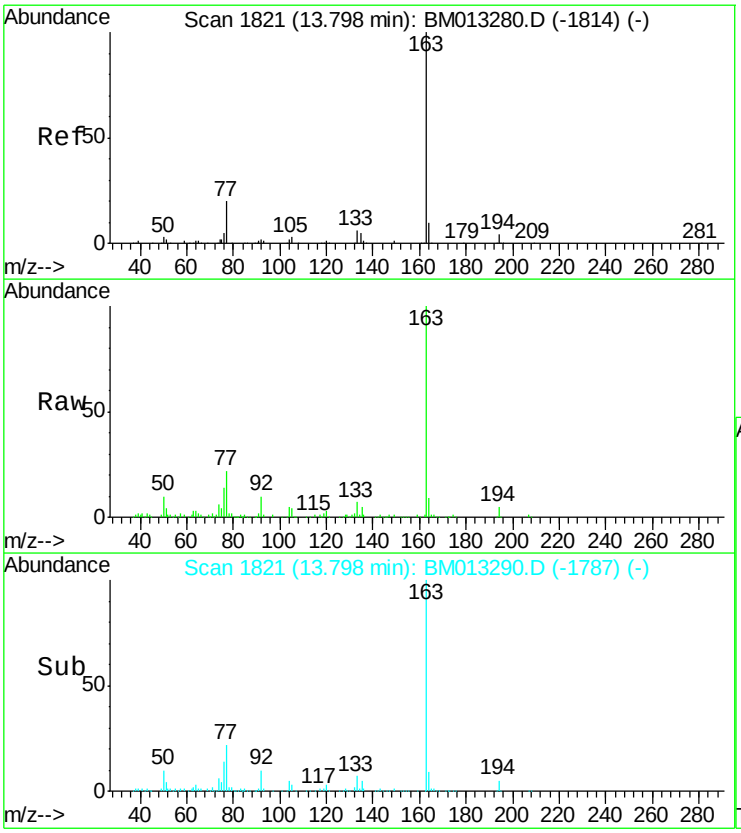
#40
1,1'-Biphenyl
Concen: 51.500 ng/ul
RT: 13.16 min Scan# 1713
Delta R.T. 0.00 min
Lab File: BM013290.D
Acq: 09 Dec 2017 04:09

Instrument :
BNA_M
ClientSampleId :
F9A03

Tgt Ion:154 Resp: 2281861

Ion	Ratio	Lower	Upper
154	100		
153	38.8	32.6	48.8
76	11.7	8.5	12.7

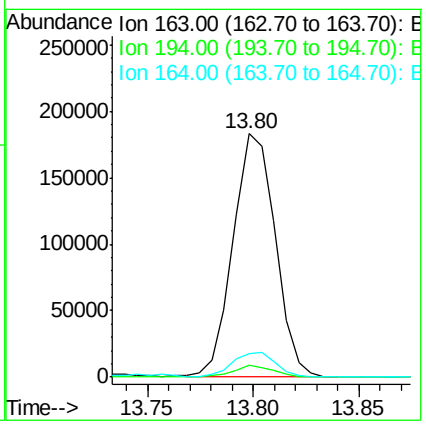


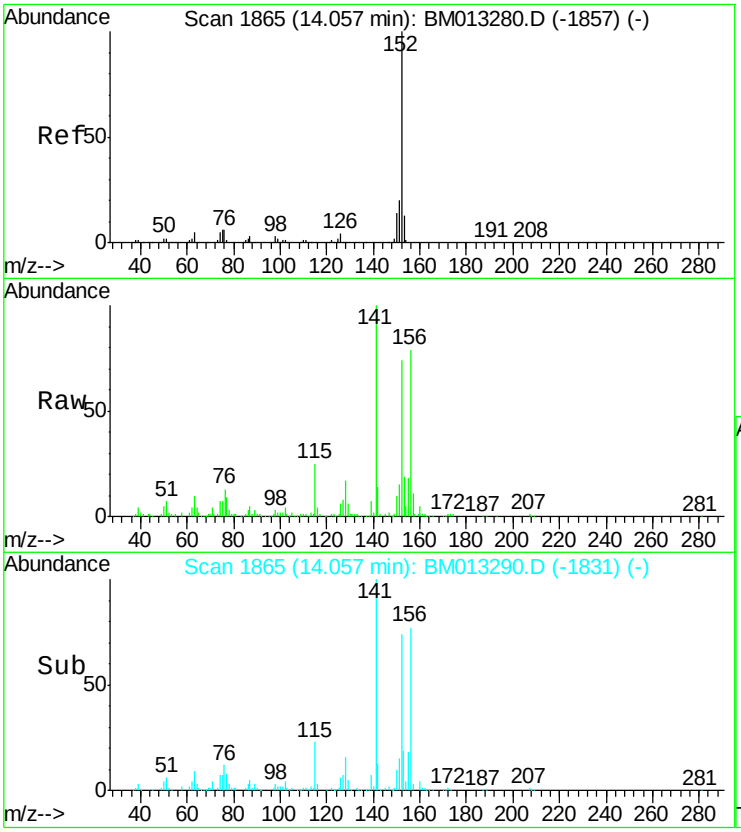


#44
Dimethylphthalate
Concen: 5.700 ng/ul
RT: 13.80 min Scan# 1821
Delta R.T. 0.00 min
Lab File: BM013290.D
Acq: 09 Dec 2017 04:09

Tgt Ion:163 Resp: 254323

Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.5	5.3
164	9.5	8.2	12.4



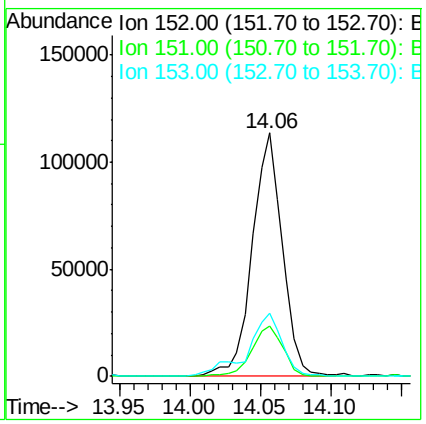


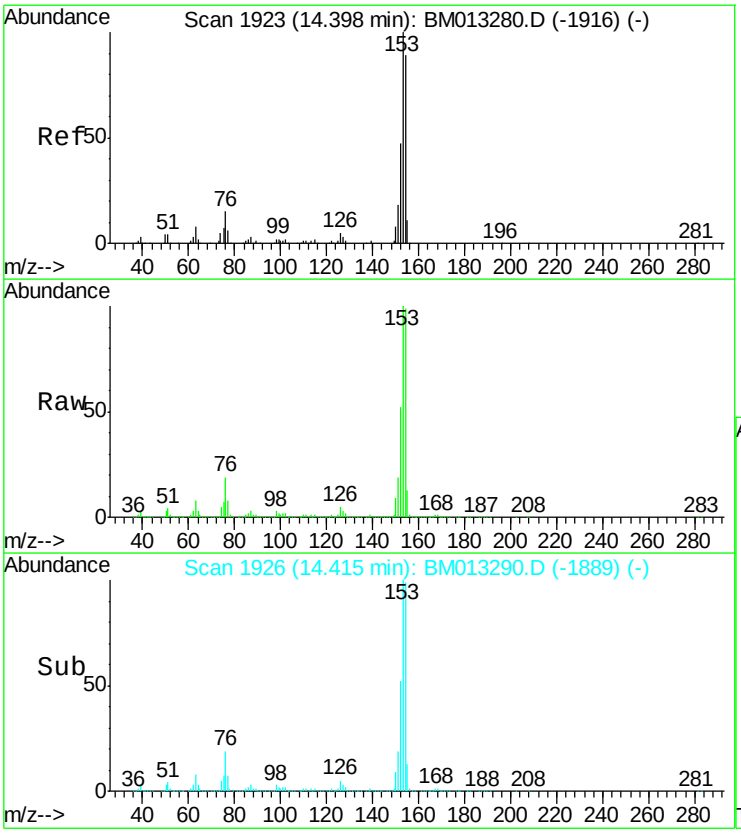
#47
Acenaphthylene
Concen: 3.212 ng/ul
RT: 14.06 min Scan# 1865
Delta R.T. 0.00 min
Lab File: BM013290.D
Acq: 09 Dec 2017 04:09

Instrument :
BNA_M
ClientSampleId :
F9A03

Tgt Ion:152 Resp: 171132

Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.3	24.5
153	26.1	10.2	15.4#

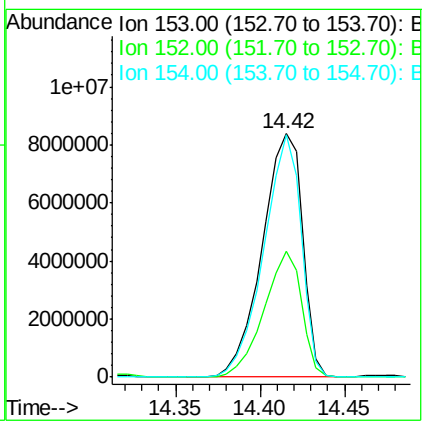


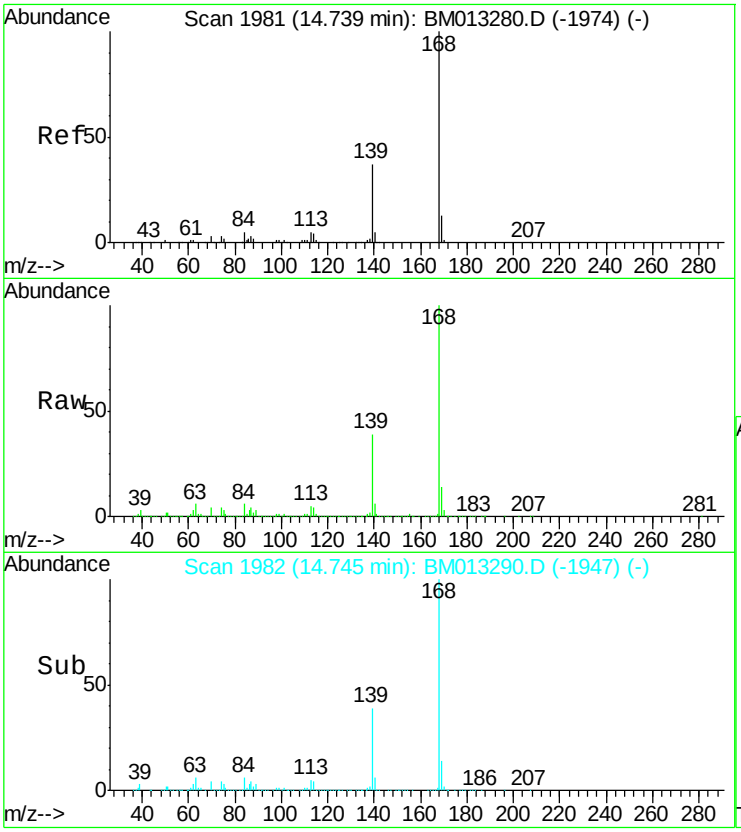


#49
Acenaphthene
Concen: 380.479 ng/ul
RT: 14.42 min Scan# 1926
Delta R.T. 0.02 min
Lab File: BM013290.D
Acq: 09 Dec 2017 04:09

Tgt Ion:153 Resp:13808803

Ion	Ratio	Lower	Upper
153	100		
152	51.9	37.6	56.4
154	99.4	70.4	105.6



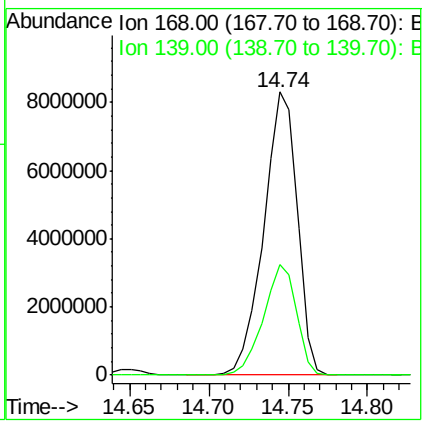


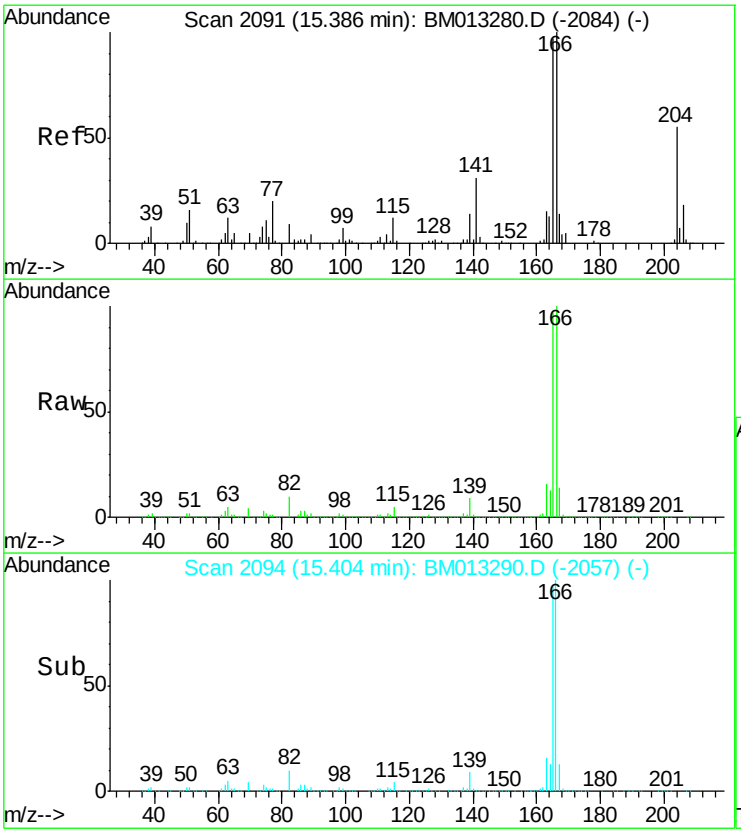
#53
Dibenzofuran
Concen: 228.379 ng/ul
RT: 14.74 min Scan# 1982
Delta R.T. 0.01 min
Lab File: BM013290.D
Acq: 09 Dec 2017 04:09

Instrument :
BNA_M
ClientSampleId :
F9A03

Tgt Ion:168 Resp:12236185

Ion	Ratio	Lower	Upper
168	100		
139	39.3	30.8	46.2

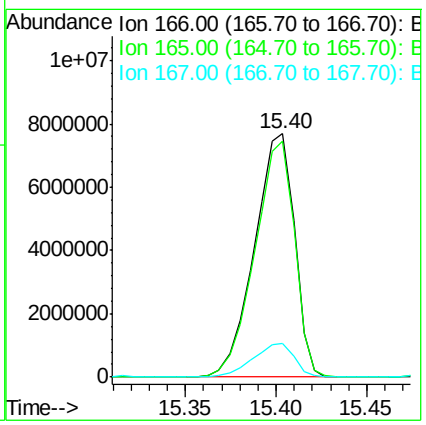


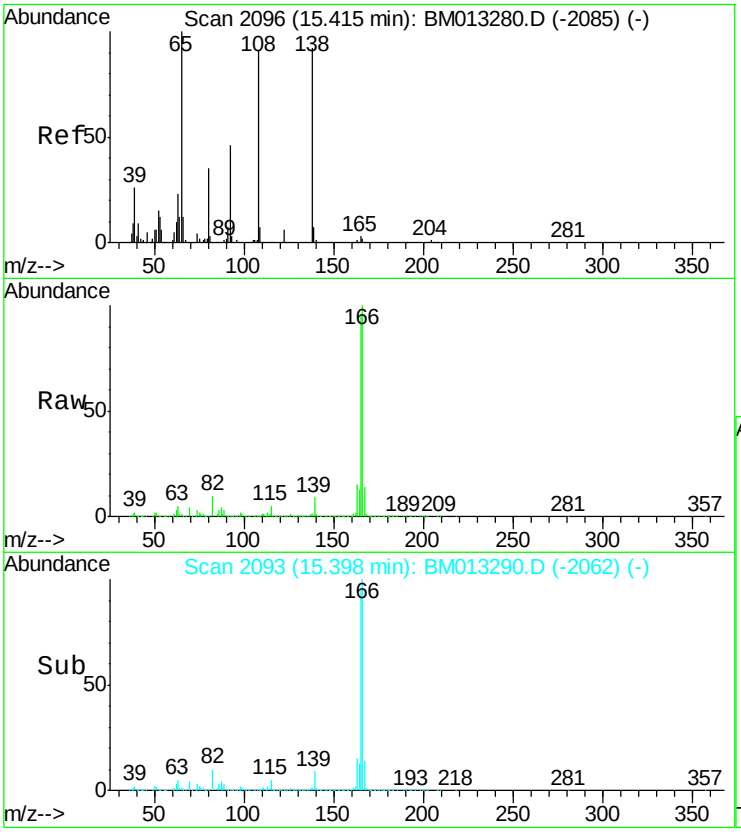


#58
Fluorene
Concen: 266.123 ng/ul
RT: 15.40 min Scan# 2094
Delta R.T. 0.02 min
Lab File: BM013290.D
Acq: 09 Dec 2017 04:09

Tgt Ion:166 Resp:11795616

Ion	Ratio	Lower	Upper
166	100		
165	96.9	77.9	116.9
167	13.7	10.6	16.0



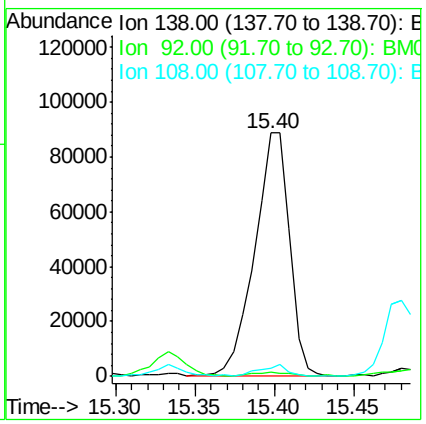


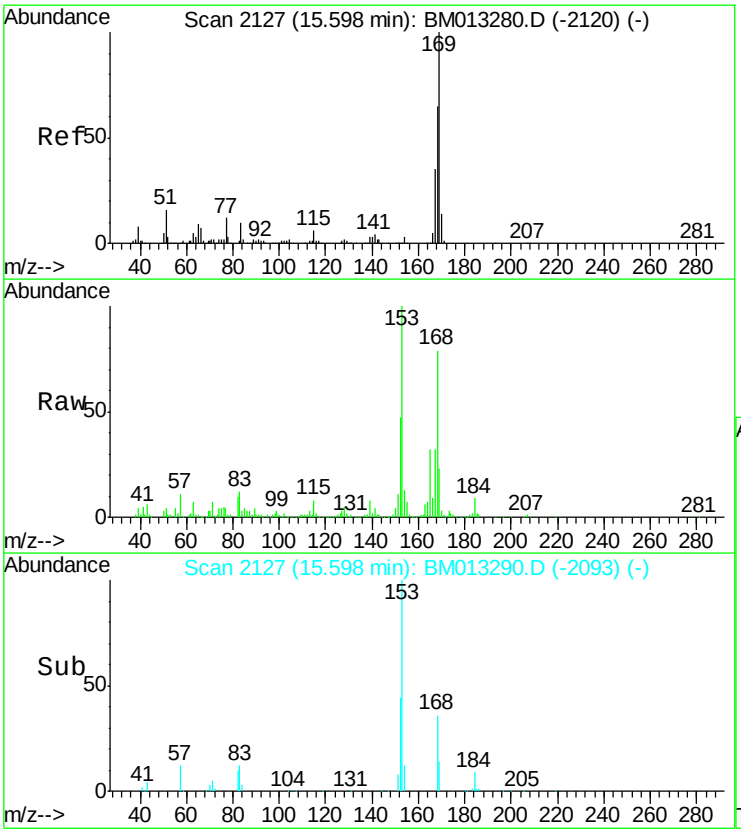
#60
4-Nitroaniline
Concen: 14.291 ng/ul
RT: 15.40 min Scan# 2093
Delta R.T. -0.02 min
Lab File: BM013290.D
Acq: 09 Dec 2017 04:09

Instrument :
BNA_M
ClientSampleId :
F9A03

Tgt Ion:138 Resp: 137154

Ion	Ratio	Lower	Upper
138	100		
92	1.8	40.0	60.0#
108	3.2	80.0	120.0#

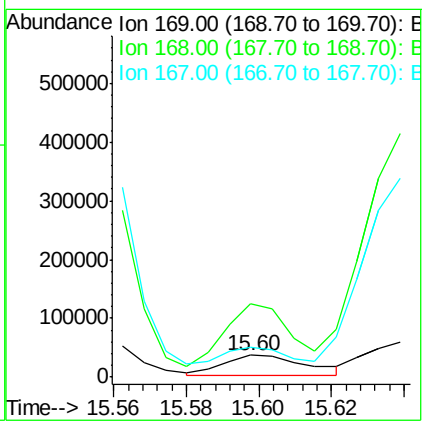


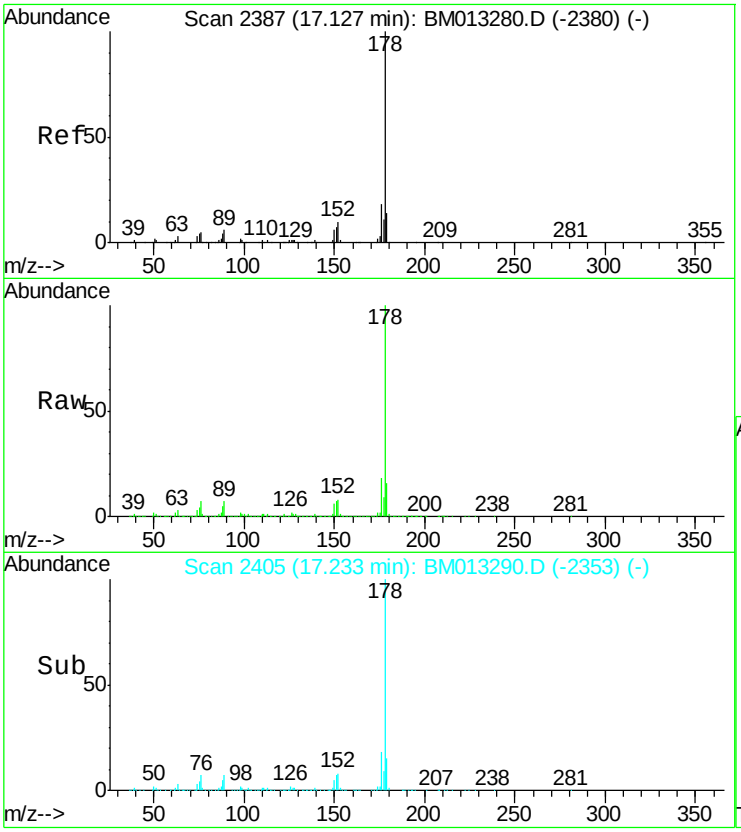


#64
N-Nitrosodiphenylamine
Concen: 1.539 ng/ul
RT: 15.60 min Scan# 2127
Delta R.T. 0.00 min
Lab File: BM013290.D
Acq: 09 Dec 2017 04:09

Tgt Ion:169 Resp: 54278

Ion	Ratio	Lower	Upper
169	100		
168	336.0	54.0	81.0#
167	137.4	29.1	43.7#



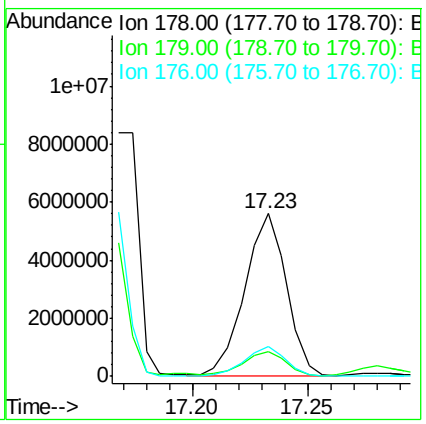


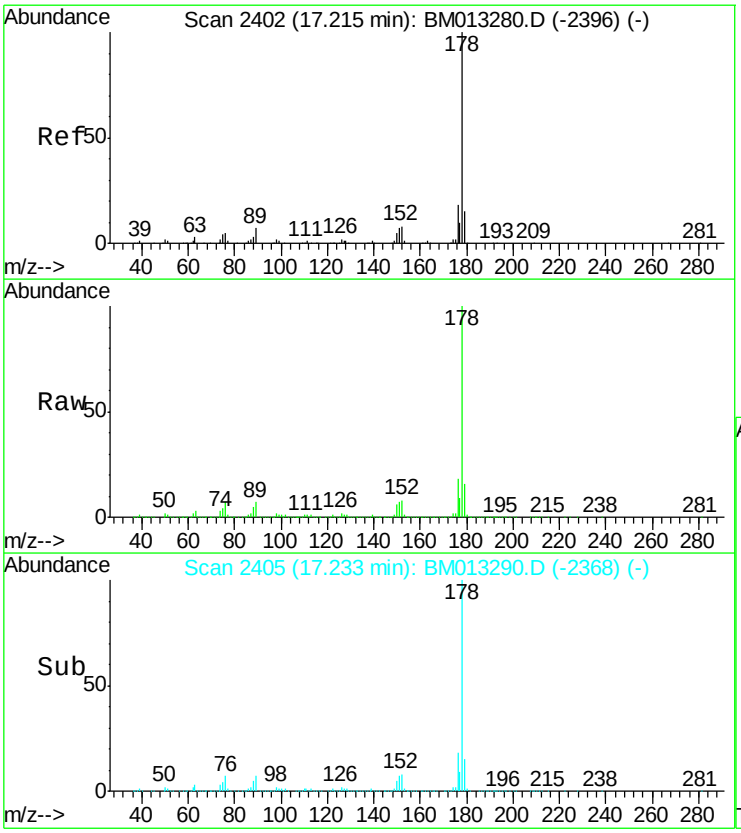
#69
Phenanthrene
Concen: 102.717 ng/ul
RT: 17.23 min Scan# 2405
Delta R.T. 0.11 min
Lab File: BM013290.D
Acq: 09 Dec 2017 04:09

Instrument :
BNA_M
ClientSampleId :
F9A03

Tgt Ion:178 Resp: 6987385

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.6	19.0
176	18.0	14.9	22.3

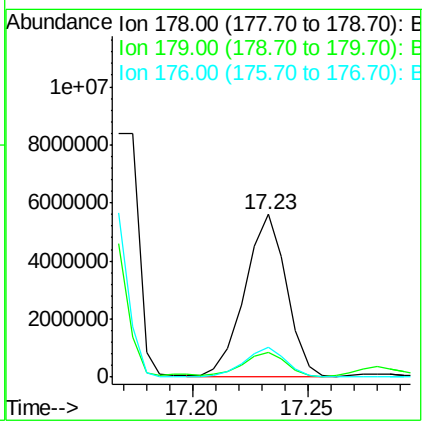


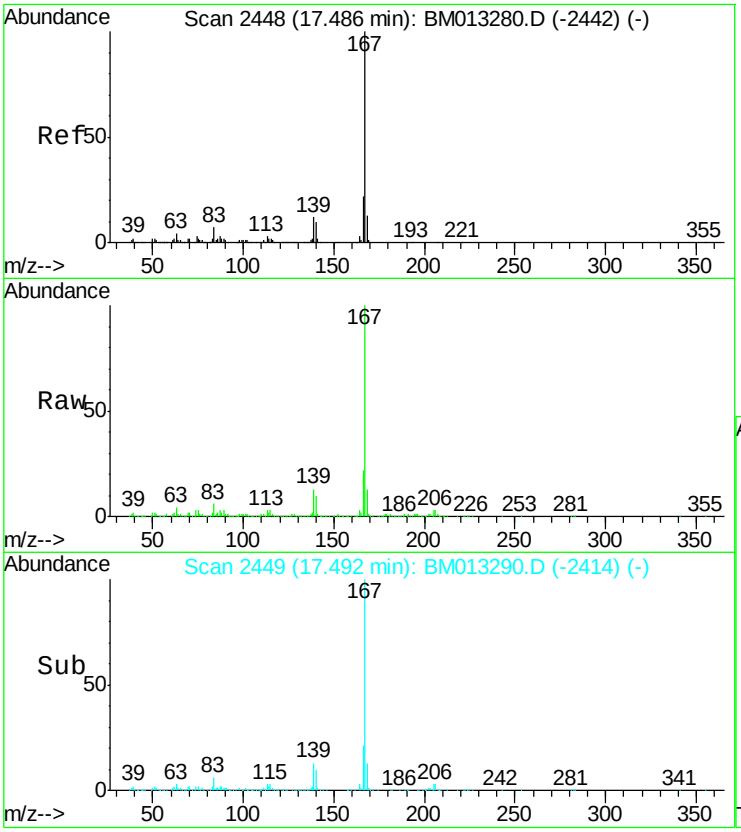


#71
Anthracene
Concen: 100.490 ng/ul
RT: 17.23 min Scan# 2405
Delta R.T. 0.02 min
Lab File: BM013290.D
Acq: 09 Dec 2017 04:09

Tgt Ion:178 Resp: 6987385

Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.7	17.5
176	18.0	14.6	21.8



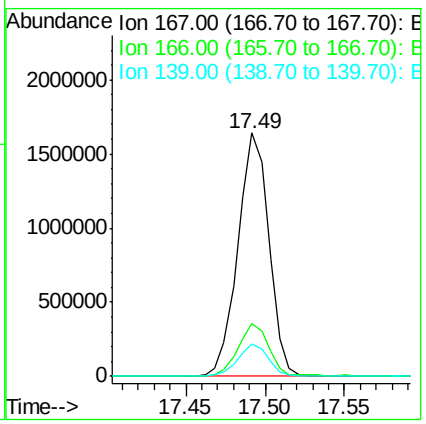


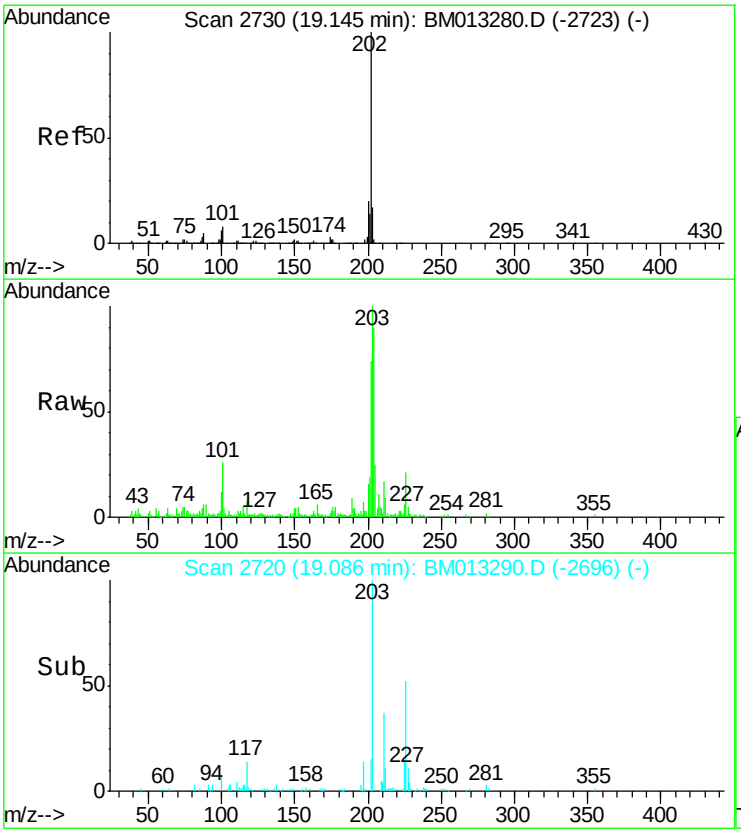
#72
Carbazole
Concen: 37.307 ng/ul
RT: 17.49 min Scan# 2449
Delta R.T. 0.01 min
Lab File: BM013290.D
Acq: 09 Dec 2017 04:09

Instrument :
BNA_M
ClientSampleId :
F9A03

Tgt Ion:167 Resp: 2231273

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.1	25.7
139	13.1	10.0	15.0

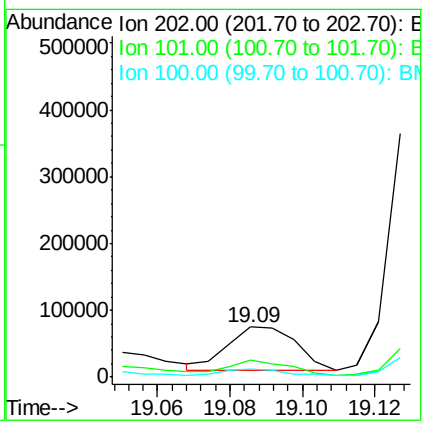


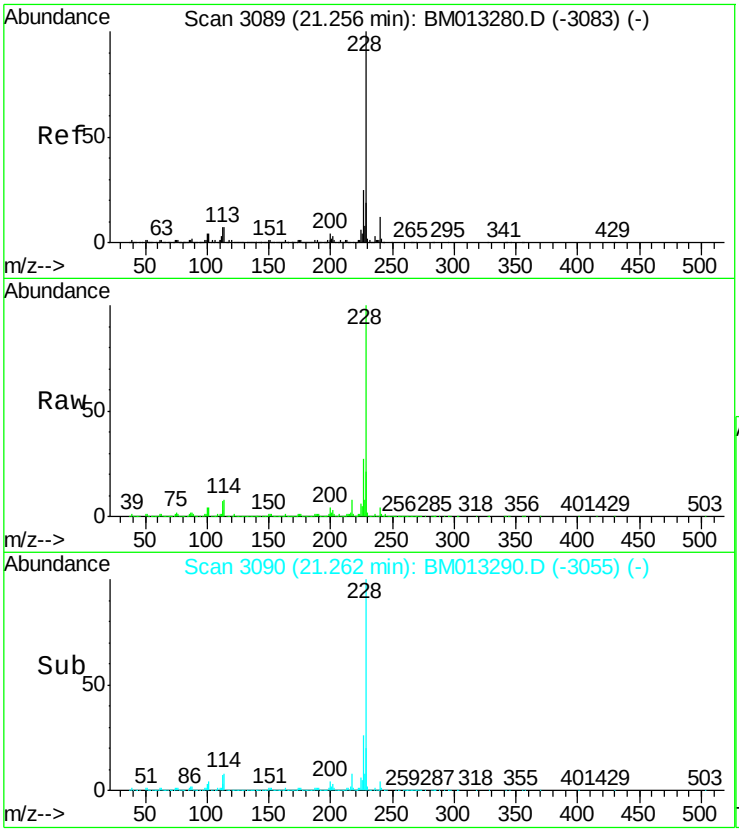


#74
Fluoranthene
Concen: 1.042 ng/ul
RT: 19.09 min Scan# 2720
Delta R.T. -0.06 min
Lab File: BM013290.D
Acq: 09 Dec 2017 04:09

Tgt Ion:202 Resp: 86833

Ion	Ratio	Lower	Upper
202	100		
101	35.0	4.6	7.0#
100	16.9	3.4	5.2#



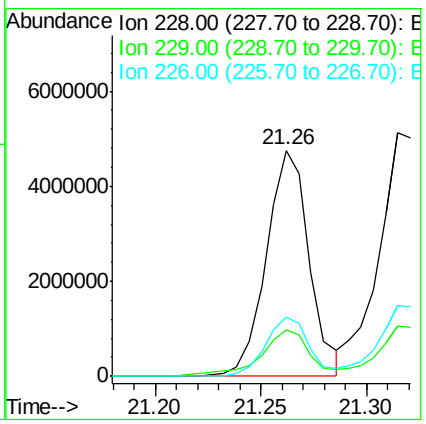


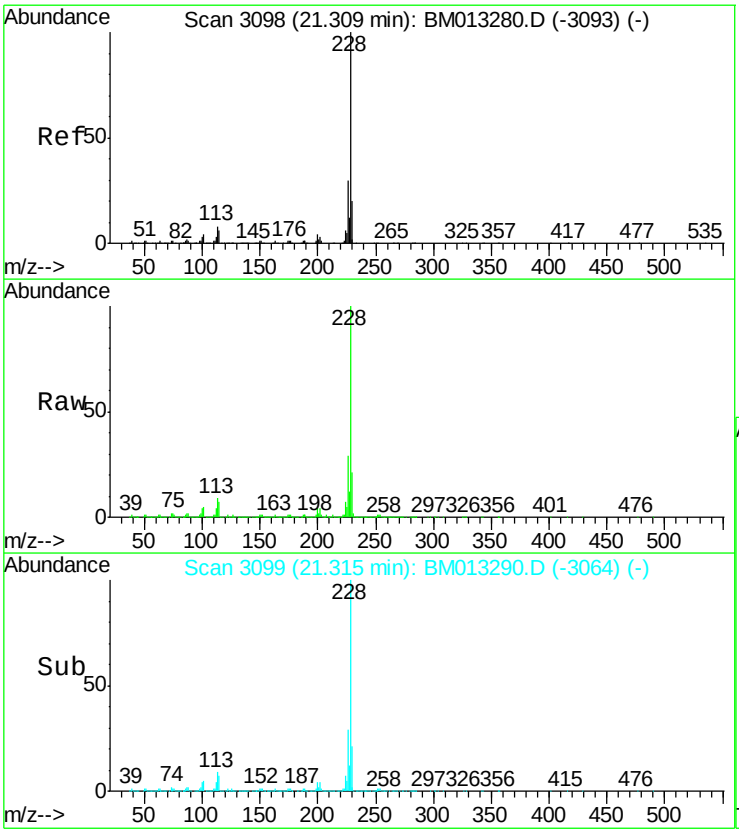
#80
Benzo(a)anthracene
Concen: 69.936 ng/ul
RT: 21.26 min Scan# 3090
Delta R.T. 0.01 min
Lab File: BM013290.D
Acq: 09 Dec 2017 04:09

Instrument :
BNA_M
ClientSampleId :
F9A03

Tgt Ion:228 Resp: 6668160

Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.4	23.0
226	26.5	21.4	32.0

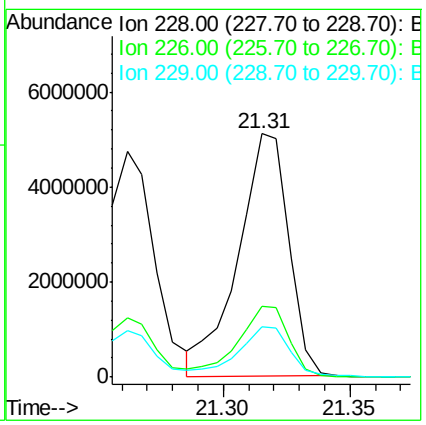


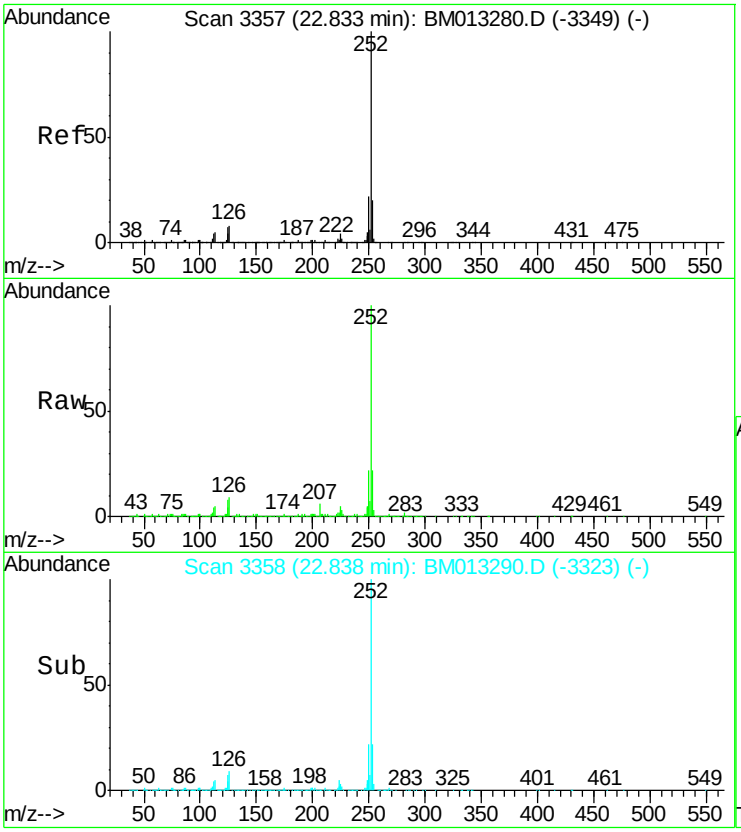


#82
Chrysene
Concen: 80.341 ng/ul
RT: 21.31 min Scan# 3099
Delta R.T. 0.01 min
Lab File: BM013290.D
Acq: 09 Dec 2017 04:09

Tgt Ion:228 Resp: 7106693

Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.4	35.2
229	20.9	15.5	23.3



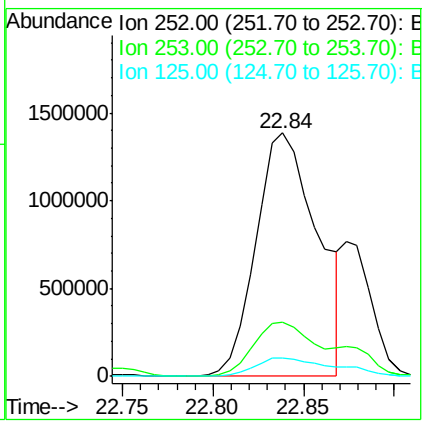


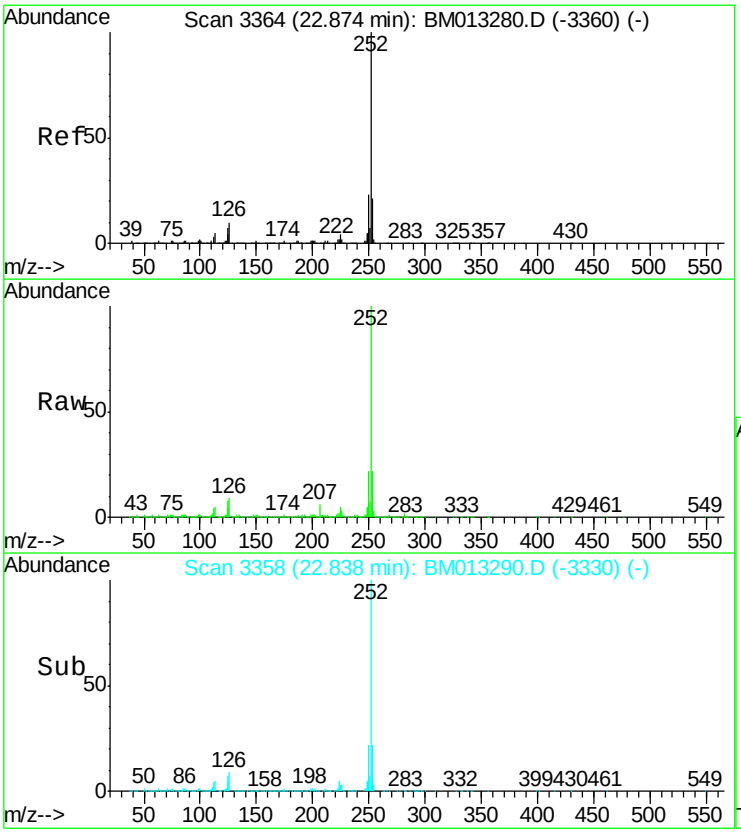
#85
Benzo(b)fluoranthene
Concen: 32.292 ng/ul
RT: 22.84 min Scan# 3358
Delta R.T. 0.01 min
Lab File: BM013290.D
Acq: 09 Dec 2017 04:09

Instrument :
BNA_M
ClientSampleId :
F9A03

Tgt Ion:252 Resp: 3272885

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	7.5	3.6	5.4#

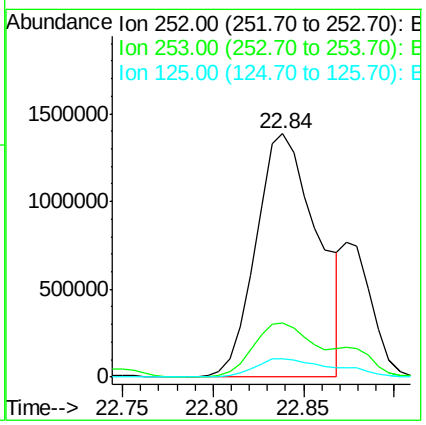


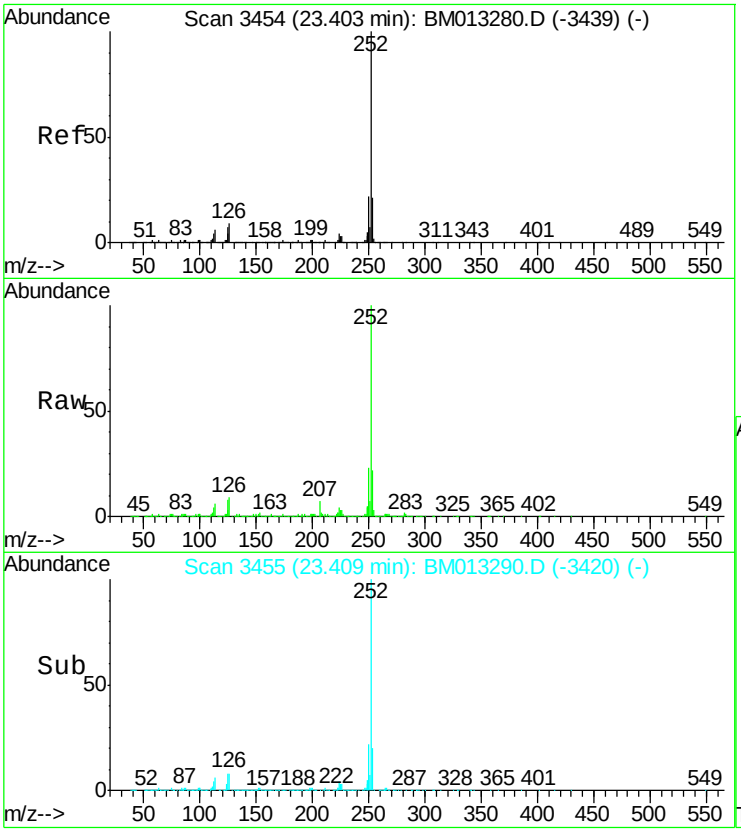


#86
Benzo(k)fluoranthene
Concen: 34.315 ng/ul
RT: 22.84 min Scan# 3358
Delta R.T. -0.04 min
Lab File: BM013290.D
Acq: 09 Dec 2017 04:09

Tgt Ion:252 Resp: 3272885

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	7.5	3.4	5.2#



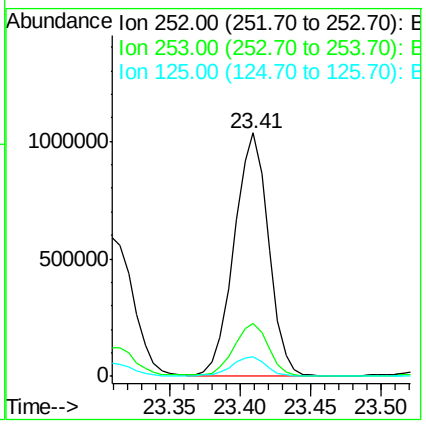


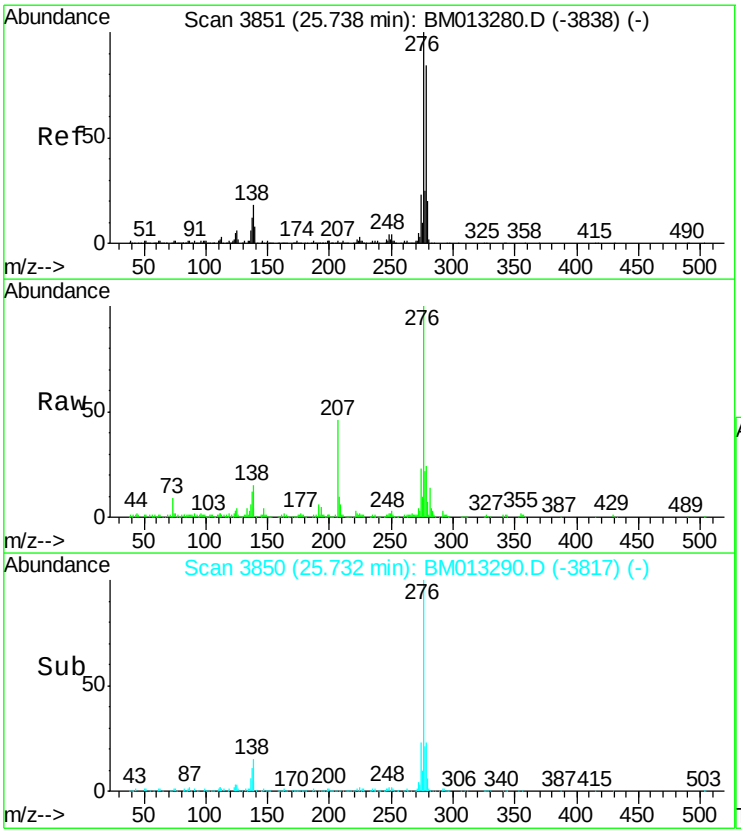
#88
Benzo(a)pyrene
Concen: 19.250 ng/ul
RT: 23.41 min Scan# 3455
Delta R.T. 0.01 min
Lab File: BM013290.D
Acq: 09 Dec 2017 04:09

Instrument :
BNA_M
ClientSampleId :
F9A03

Tgt Ion:252 Resp: 1752623

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.2	27.2
125	8.0	4.0	6.0#

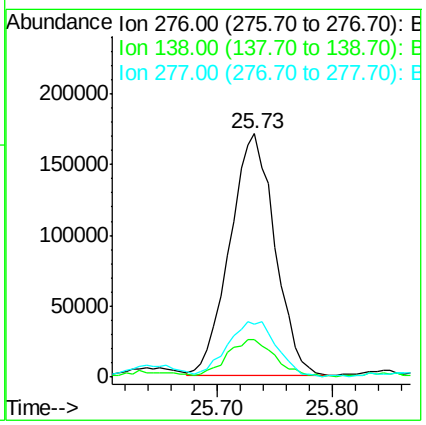


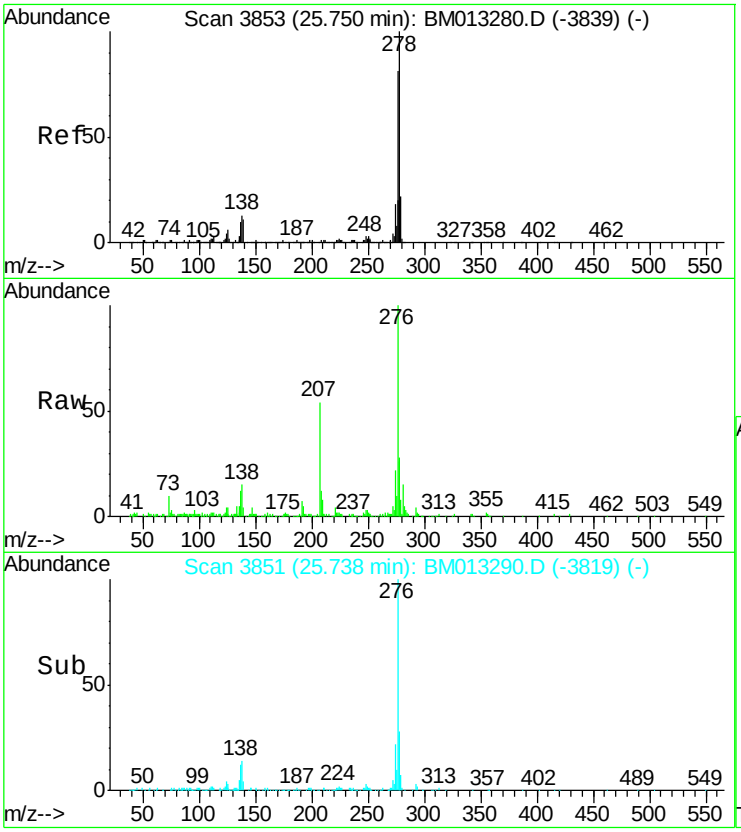


#89
Indeno(1,2,3-cd)pyrene
Concen: 5.143 ng/ul
RT: 25.73 min Scan# 3850
Delta R.T. -0.01 min
Lab File: BM013290.D
Acq: 09 Dec 2017 04:09

Tgt Ion:276 Resp: 464578

Ion	Ratio	Lower	Upper
276	100		
138	15.3	9.3	13.9#
277	21.5	19.9	29.9



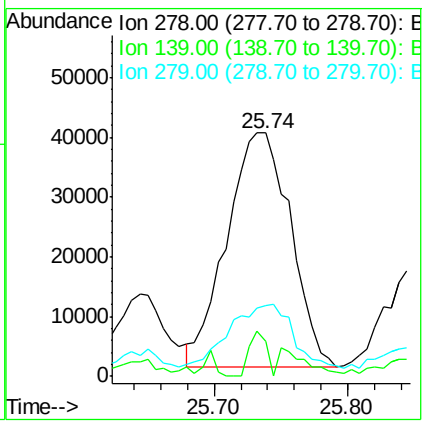


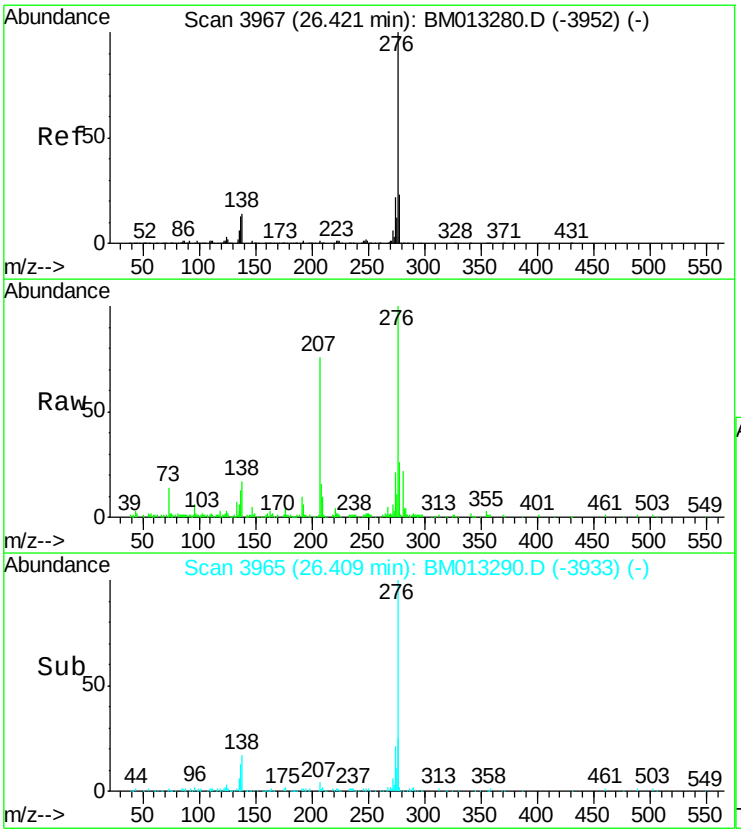
#90
Dibenzo(a,h)anthracene
Concen: 1.679 ng/ul
RT: 25.74 min Scan# 3851
Delta R.T. -0.01 min
Lab File: BM013290.D
Acq: 09 Dec 2017 04:09

Instrument :
BNA_M
ClientSampleId :
F9A03

Tgt Ion:278 Resp: 129158

Ion	Ratio	Lower	Upper
278	100		
139	14.5	5.8	8.8#
279	28.9	18.6	27.8#





#91
Benzo(g,h,i)perylene
Concen: 4.648 ng/ul
RT: 26.41 min Scan# 3965
Delta R.T. -0.01 min
Lab File: BM013290.D
Acq: 09 Dec 2017 04:09

Tgt Ion:276 Resp: 331230

Ion	Ratio	Lower	Upper
276	100		
138	16.7	8.5	12.7#
277	25.5	18.6	28.0