Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042318\
Data File : BM014781.D
Acq On : 23 Apr 2018 18:12
Operator : SJ/JU
Sample : J2431-27
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DASM7

Quant Time: Apr 24 18:15:25 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 24 01:47:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.53	152	320540	20.00	ng/ul	0.00
18) Naphthalene-d8	11.37	136	1315776	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.13	164	675374	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.84	188	1389911	20.00	ng/ul	0.00
75) Chrysene-d12	21.93	240	1378444	20.00	ng/ul	0.00
83) Perylene-d12	24.42	264	1445670	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.66	96	29181	3.98	ng/uL	0.00
5) Phenol-d5	7.65	99	602179	24.30	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	393412	24.76	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	490108	23.64	ng/ul	0.00
13) 4-Methylphenol-d8	9.22	113	411778	20.84	ng/ul	0.00
19) Nitrobenzene-d5	9.71	128	230692	24.25	ng/ul	0.00
22) 2-Nitrophenol-d4	10.44	143	239575	25.29	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.97	165	430031	22.34	ng/ul	0.00
29) 4-Chloroaniline-d4	11.49	131	439674	23.14	ng/ul	0.00
43) Dimethylphthalate-d6	14.52	166	1314012	24.92	ng/ul	0.00
46) Acenaphthylene-d8	14.83	160	1567044	24.07	ng/ul	0.00
51) 4-Nitrophenol-d4	15.29	143	263341	26.91	ng/ul	0.00
57) Fluorene-d10	16.10	176	1127010	24.58	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.21	200	201881	26.84	ng/ul	0.00
70) Anthracene-d10	17.94	188	1964143	30.32	ng/ul	0.00
76) Pyrene-d10	20.17	212	2173196	33.32	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.26	264	2344699	33.01	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.70	88	65346	8.460	ng/uL#	78
12) 2,2'-oxybis(1-Chloropropan	9.05	45	621562	17.246	ng/ul#	96
20) Nitrobenzene	9.75	77	430628	18.949	ng/ul	93
23) 2-Nitrophenol	10.47	139	256412	24.915	ng/ul#	75
25) Bis(2-Chloroethoxy)methane	10.75	93	369518	14.144	ng/ul	95
27) 2,4-Dichlorophenol	11.00	162	300362	16.343	ng/ul#	90
28) Naphthalene	11.42	128	673423	10.503	ng/ul	100
33) 4-Chloro-3-methylphenol	12.60	107	973370	52.360	ng/ul	94
34) 2-Methylnaphthalene	12.99	142	1096525	24.627	ng/ul	96
37) Hexachlorocyclopentadiene	13.33	237	343982	23.583	ng/ul	99
38) 2,4,6-Trichlorophenol	13.57	196	218782	16.730	ng/ul	99
41) 2-Chloronaphthalene	14.02	162	781317	18.526	ng/ul	97
45) 2,6-Dinitrotoluene	14.69	165	106635	11.408	ng/ul#	90
47) Acenaphthylene	14.86	152	975048	15.459	ng/ul	100
49) Acenaphthene	15.19	153	534292	11.920	ng/ul	98
54) 2,4-Dinitrotoluene	15.47	165	435263	31.605	ng/ul#	82
55) 2,3,4,6-Tetrachlorophenol	15.73	232	394538	33.290	ng/ul#	83
58) Fluorene	16.16	166	557841	11.099	ng/ul	98
59) 4-Chlorophenyl-phenylether	16.14	204	451942	17.965	ng/ul	96
63) 4,6-Dinitro-2-methylphenol	16.22	198	747531	95.653	ng/ul	90
65) 4-Bromophenyl-phenylether	17.03	248	359061	24.460	ng/ul	94
66) Hexachlorobenzene	17.15	284	462752	27.133	ng/ul#	91
69) Phenanthrene	17.89	178	1070307	14.339	ng/ul	99

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Sample : J2431-27
Misc :
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Instrument : BNA_M
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Quant Time: Apr 24 18:15:25 2018
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 24 01:47:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Anthracene	17.97	178	1342320	17.719	ng/ul	99
74) Fluoranthene	19.85	202	3114906	38.275	ng/ul#	83
77) Pyrene	20.20	202	1265410	15.712	ng/ul#	79
80) Benzo(a)anthracene	21.91	228	1210481	15.017	ng/ul	98
82) Chrysene	21.97	228	1121906	14.867	ng/ul	100
85) Benzo(b)fluoranthene	23.66	252	3949361	46.342	ng/ul#	96
86) Benzo(k)fluoranthene	23.71	252	1200623	14.651	ng/ul#	96
88) Benzo(a)pyrene	24.31	252	993413	12.289	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	27.01	276	1542780	15.776	ng/ul#	85
90) Dibenzo(a,h)anthracene	27.01	278	1547205	18.790	ng/ul#	92
91) Benzo(g,h,i)perylene	27.80	276	1338366	16.635	ng/ul#	89

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

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 24 01:47:53 2018
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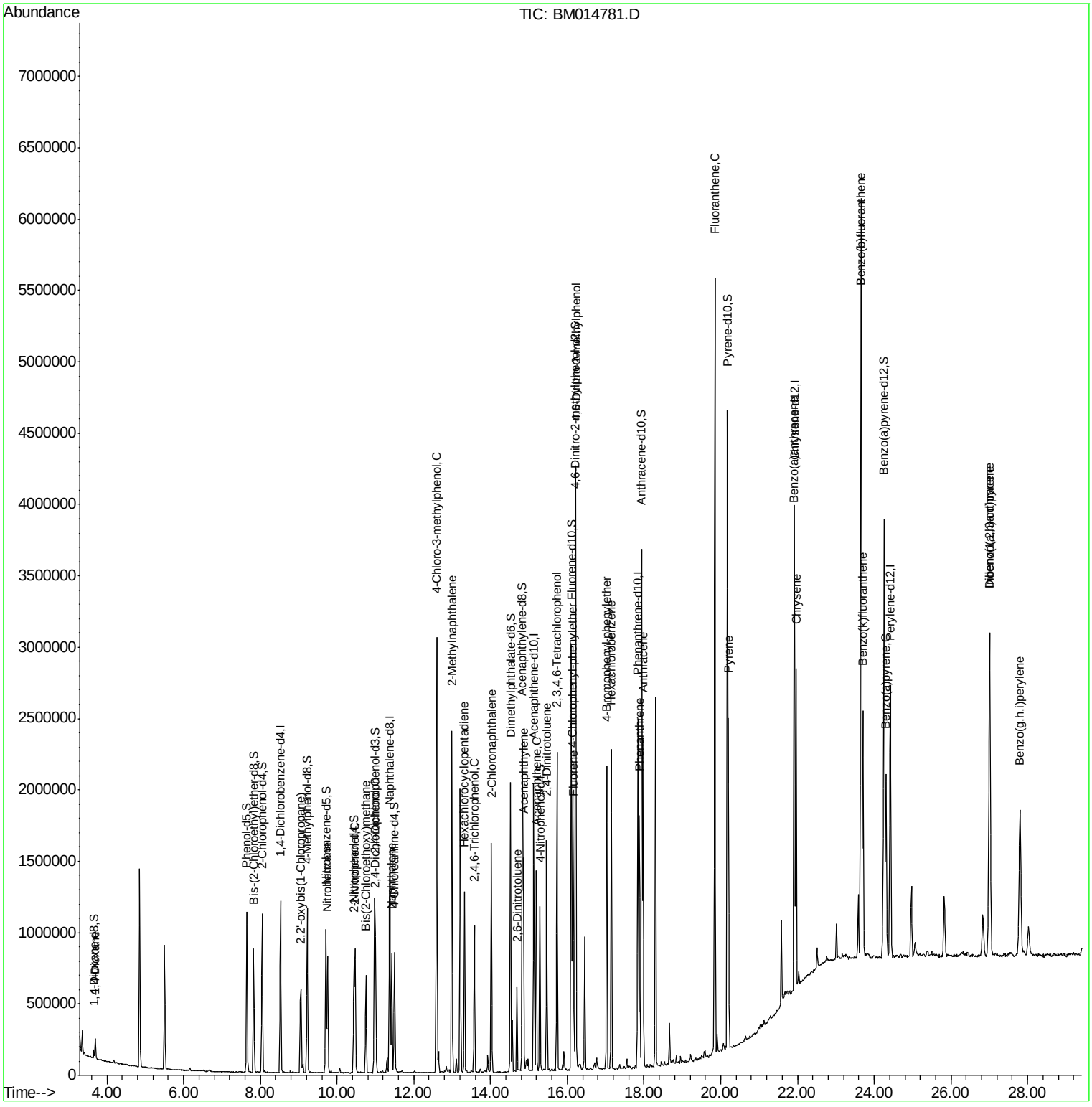
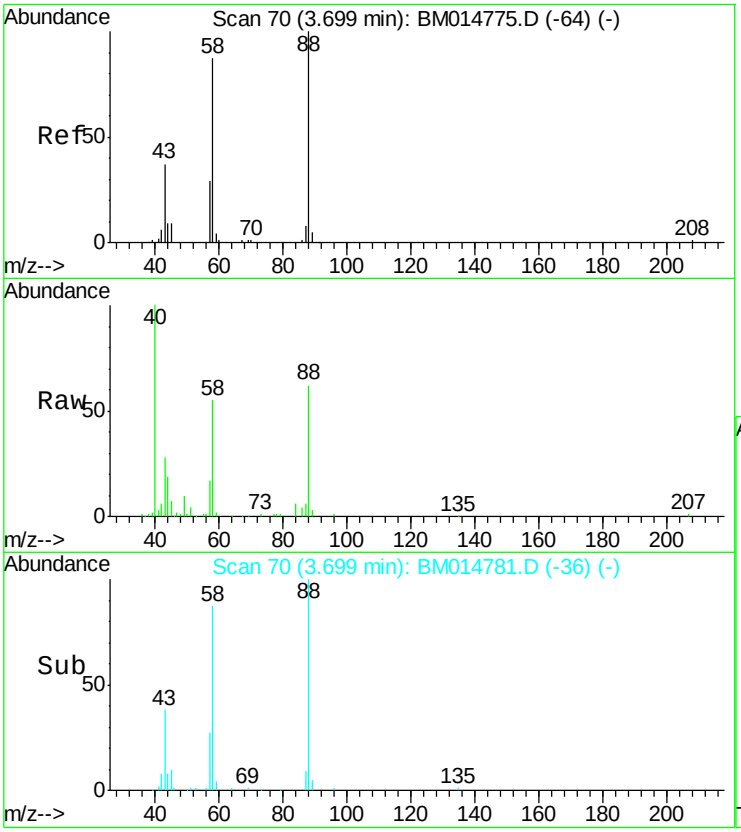


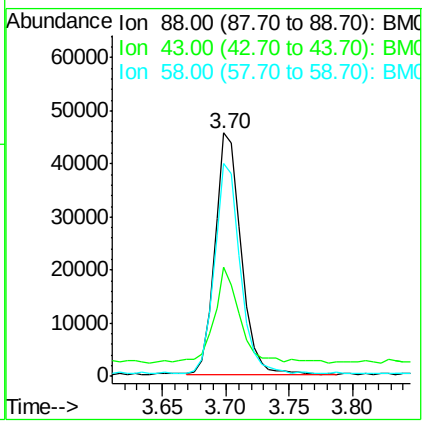


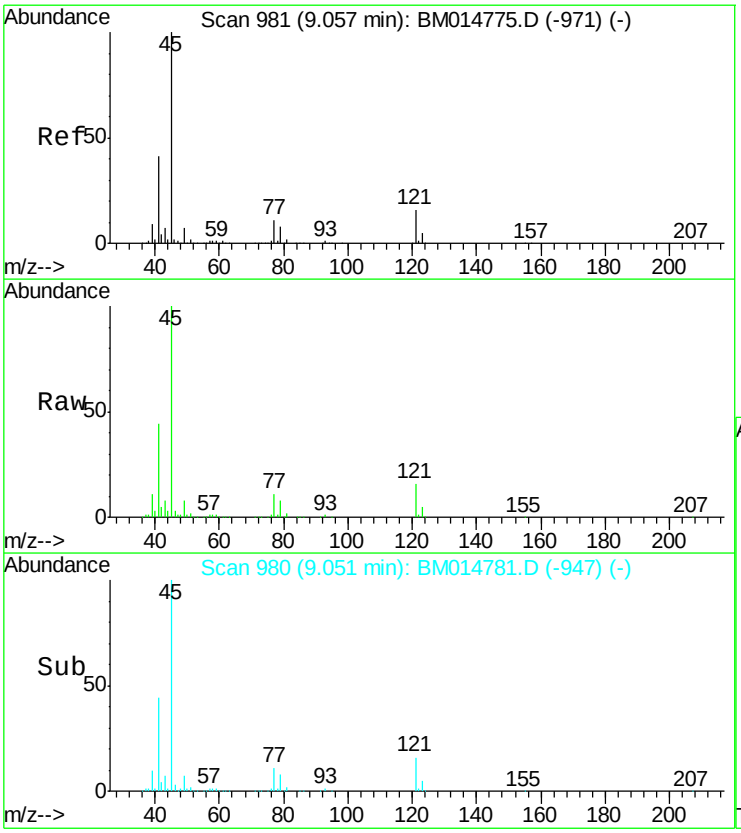
#2
1,4-Dioxane
Concen: 8.460 ng/uL
RT: 3.70 min Scan# 70
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Instrument :
BNA_M
ClientSampleId :
DASM7

Tgt Ion: 88 Resp: 65346

Ion	Ratio	Lower	Upper
88	100		
43	35.4	48.0	72.0#
58	84.9	80.0	120.0

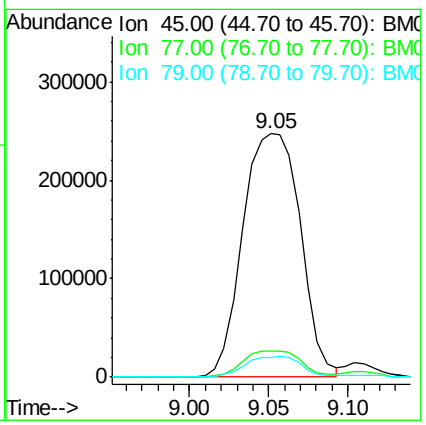


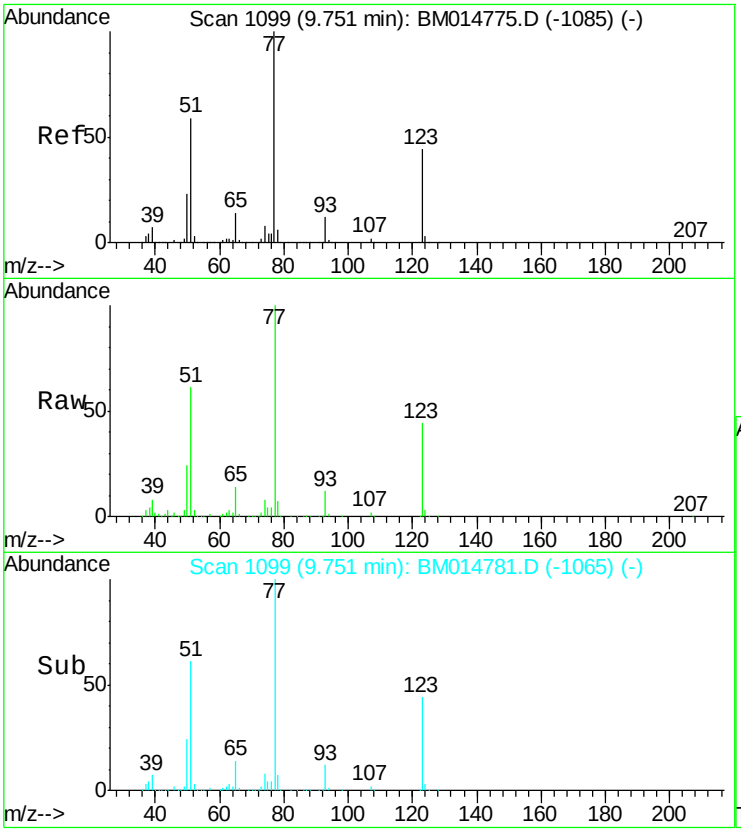


#12
2,2'-oxybis(1-Chloropropane)
Concen: 17.246 ng/ul
RT: 9.05 min Scan# 980
Delta R.T. -0.01 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Tgt Ion: 45 Resp: 621562

Ion	Ratio	Lower	Upper
45	100		
77	10.9	8.0	12.0
79	7.9	8.0	12.0#



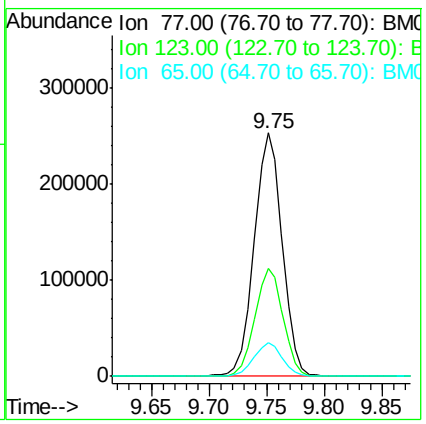


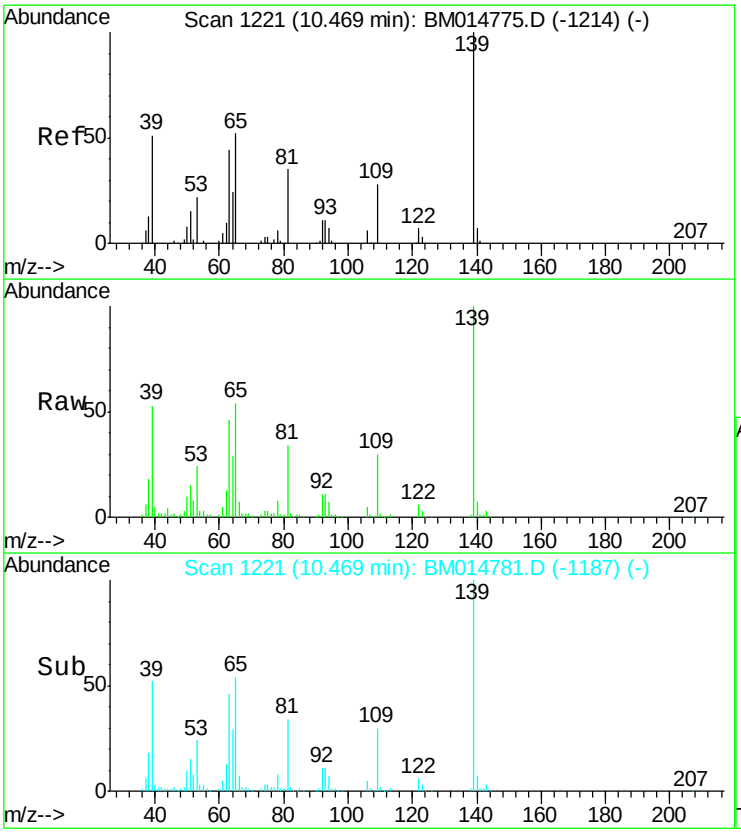
#20
Nitrobenzene
Concen: 18.949 ng/ul
RT: 9.75 min Scan# 1099
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Instrument :
BNA_M
ClientSampleId :
DASM7

Tgt Ion: 77 Resp: 430628

Ion	Ratio	Lower	Upper
77	100		
123	44.2	31.0	46.6
65	14.0	12.2	18.2

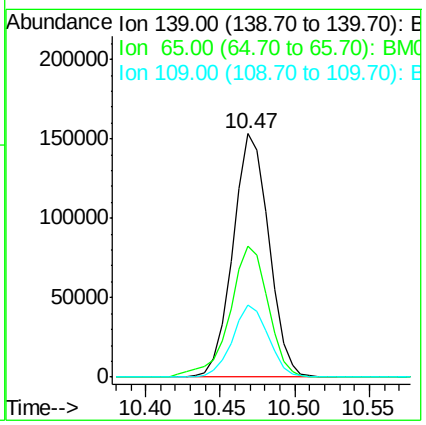


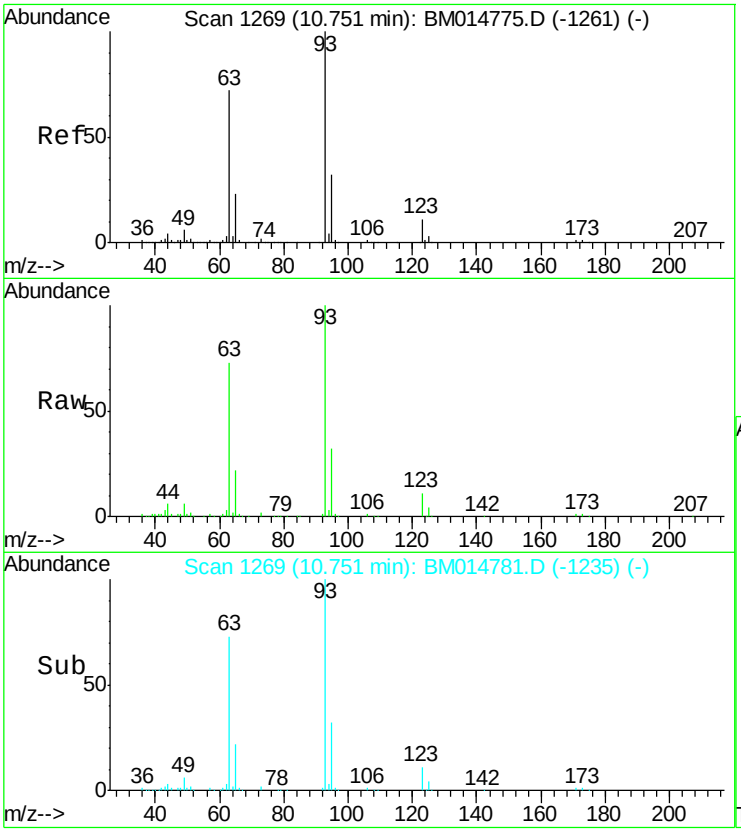


#23
2-Nitrophenol
Concen: 24.915 ng/ul
RT: 10.47 min Scan# 1221
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Tgt Ion:139 Resp: 256412

Ion	Ratio	Lower	Upper
139	100		
65	54.0	55.4	83.0#
109	29.6	42.2	63.2#



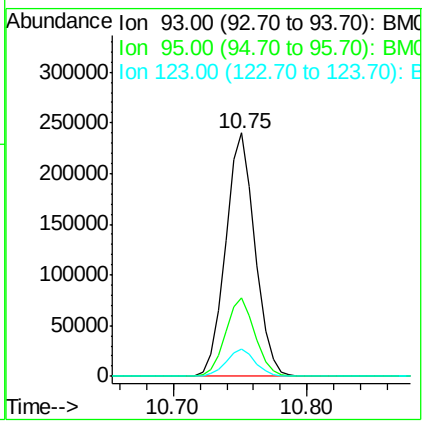


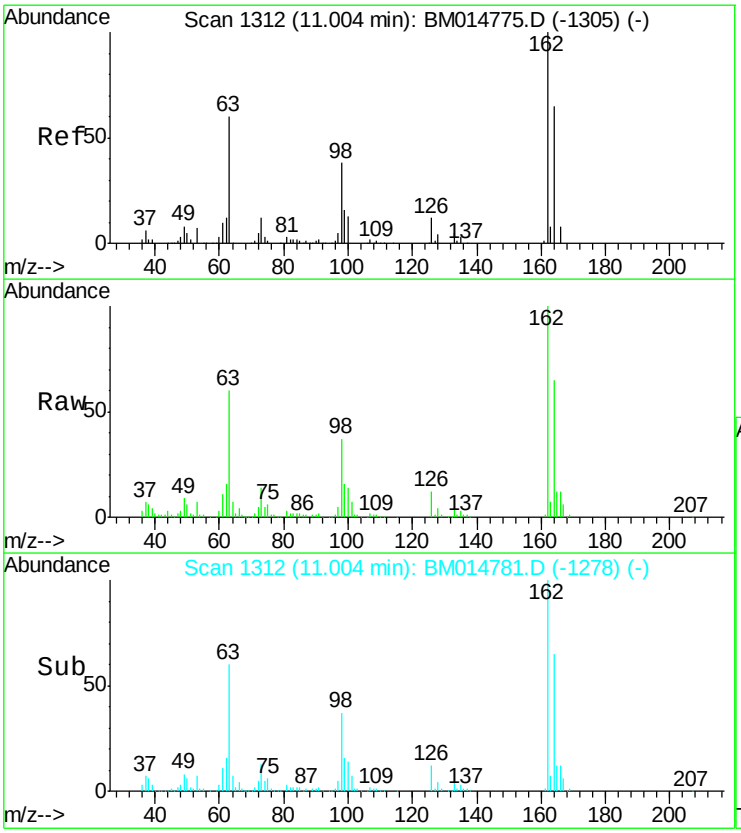
#25
Bis(2-Chloroethoxy)methane
Concen: 14.144 ng/ul
RT: 10.75 min Scan# 1269
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Instrument :
BNA_M
ClientSampleId :
DASM7

Tgt Ion: 93 Resp: 369518

Ion	Ratio	Lower	Upper
93	100		
95	32.0	28.5	42.7
123	11.2	8.9	13.3

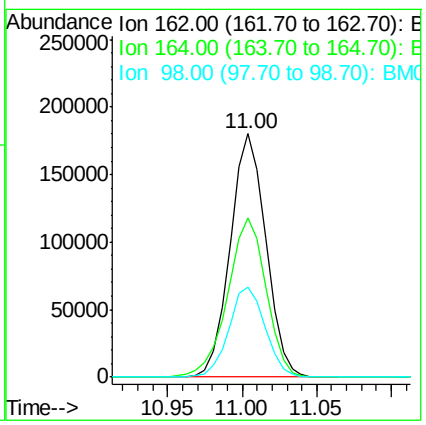


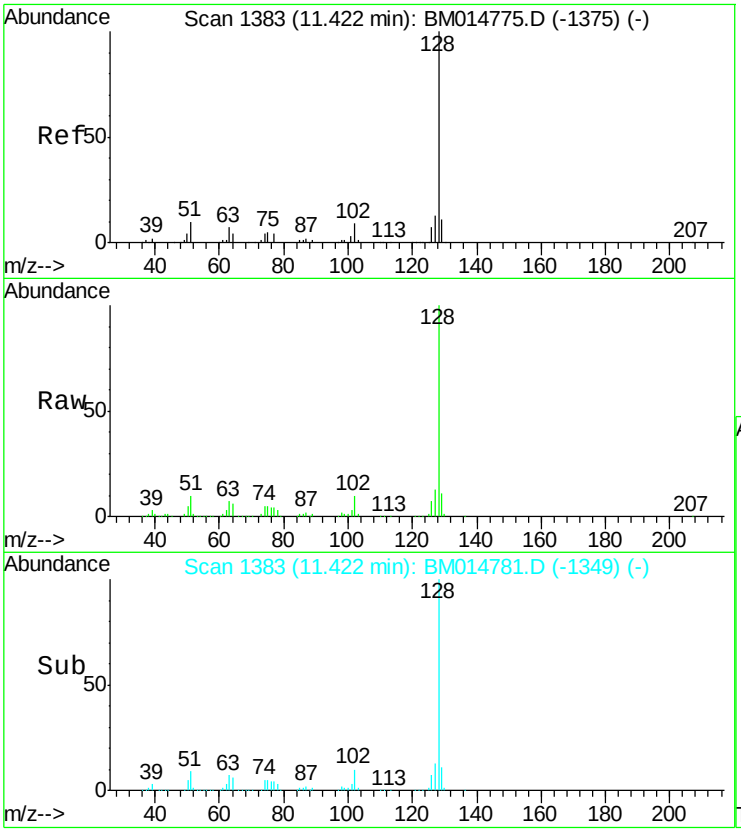


#27
2,4-Dichlorophenol
Concen: 16.343 ng/ul
RT: 11.00 min Scan# 1312
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Tgt Ion:162 Resp: 300362

Ion	Ratio	Lower	Upper
162	100		
164	65.2	47.8	71.6
98	37.2	23.0	34.4#



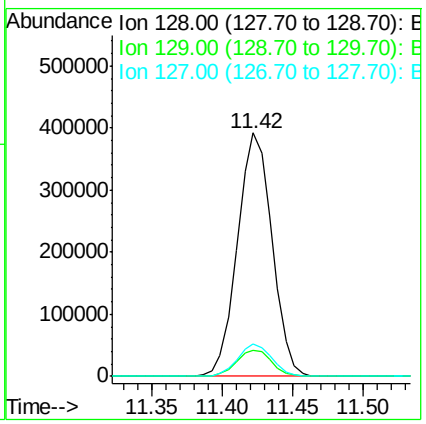


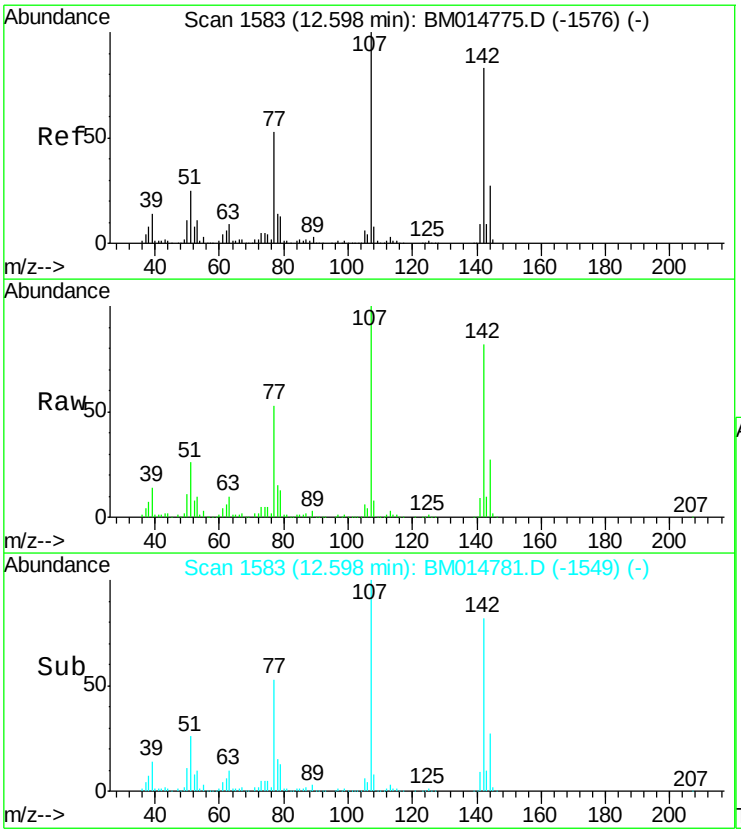
#28
Naphthalene
Concen: 10.503 ng/ul
RT: 11.42 min Scan# 1383
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Instrument :
BNA_M
ClientSampleId :
DASM7

Tgt Ion:128 Resp: 673423

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	13.4	10.6	16.0

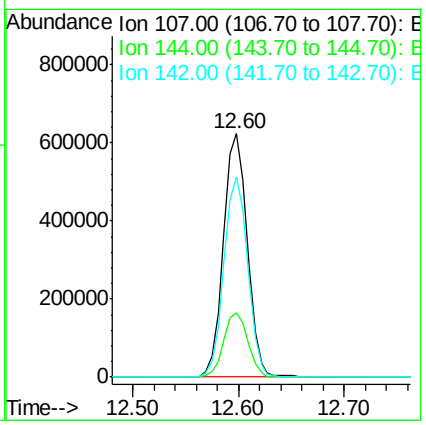


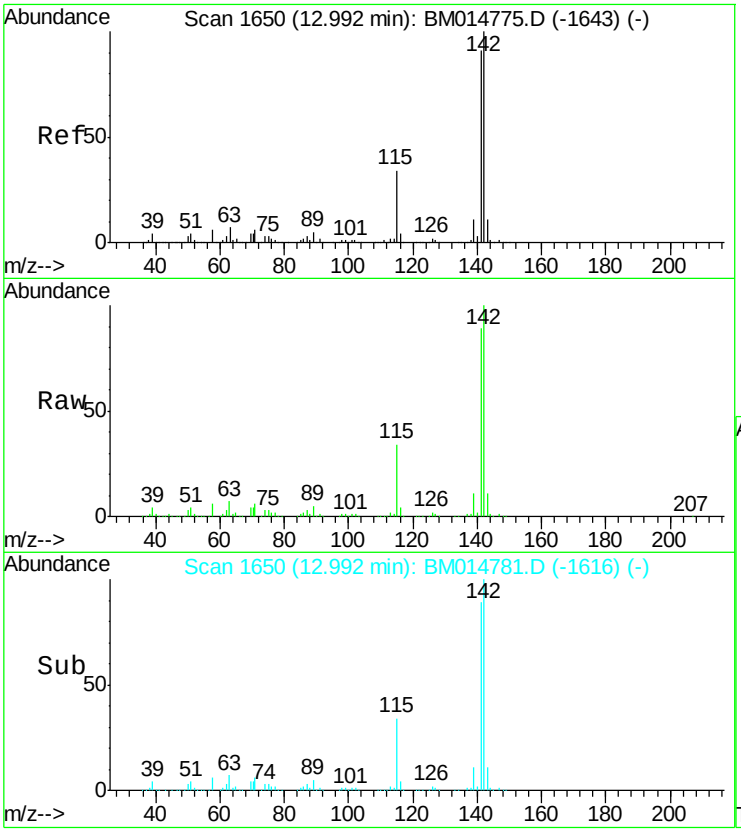


#33
4-Chloro-3-methylphenol
Concen: 52.360 ng/ul
RT: 12.60 min Scan# 1583
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Tgt Ion:107 Resp: 973370

Ion	Ratio	Lower	Upper
107	100		
144	26.5	20.4	30.6
142	82.4	60.5	90.7



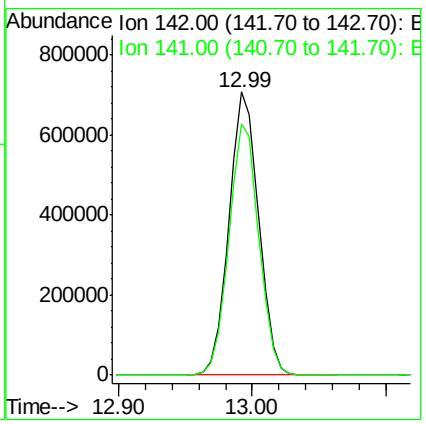


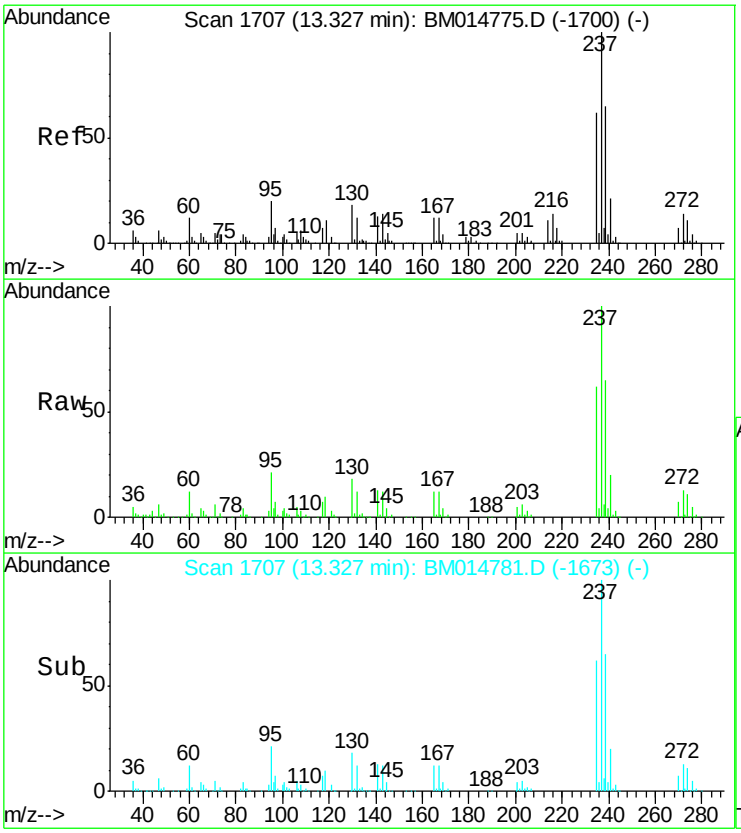
#34
2-Methylnaphthalene
Concen: 24.627 ng/ul
RT: 12.99 min Scan# 1650
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Instrument :
BNA_M
ClientSampleId :
DASM7

Tgt Ion:142 Resp: 1096525

Ion	Ratio	Lower	Upper
142	100		
141	88.9	74.1	111.1

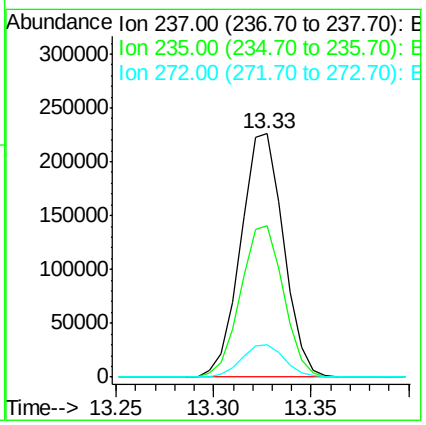


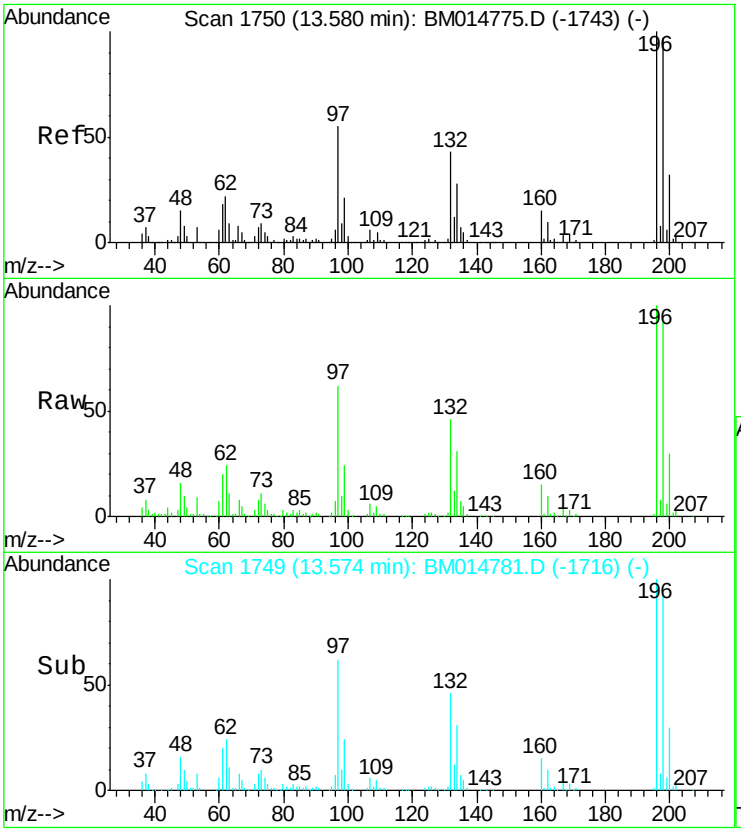


#37
Hexachlorocyclopentadiene
Concen: 23.583 ng/ul
RT: 13.33 min Scan# 1707
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Tgt Ion:237 Resp: 343982

Ion	Ratio	Lower	Upper
237	100		
235	62.1	50.2	75.4
272	13.4	11.0	16.6



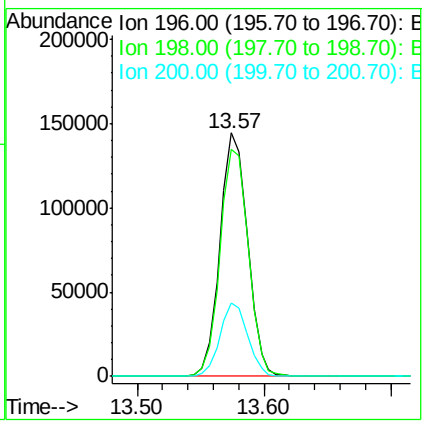


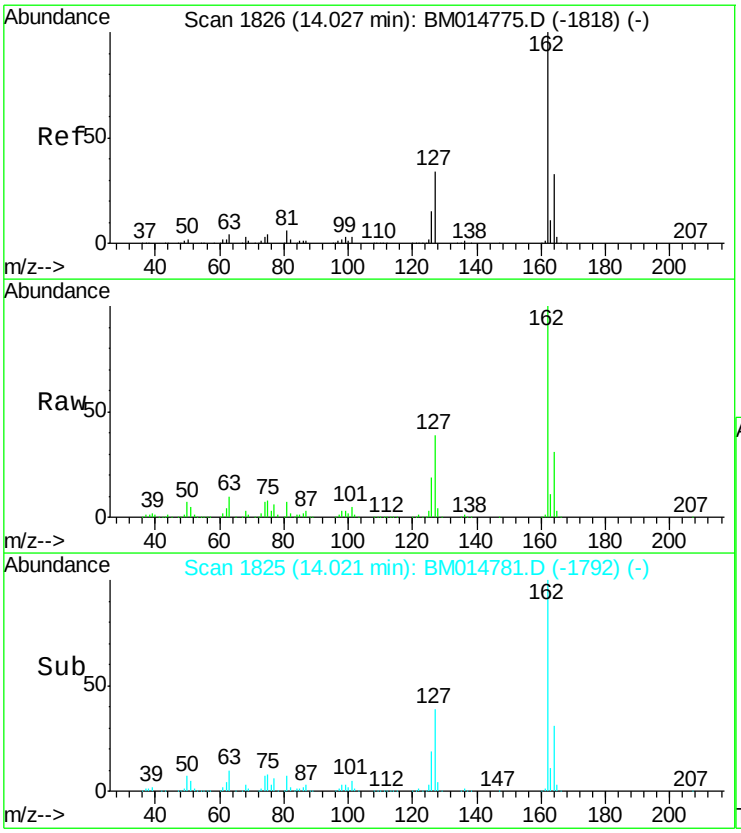
#38
2,4,6-Trichlorophenol
Concen: 16.730 ng/ul
RT: 13.57 min Scan# 1749
Delta R.T. -0.01 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Instrument :
BNA_M
ClientSampleId :
DASM7

Tgt Ion:196 Resp: 218782

Ion	Ratio	Lower	Upper
196	100		
198	93.2	74.1	111.1
200	30.2	25.2	37.8

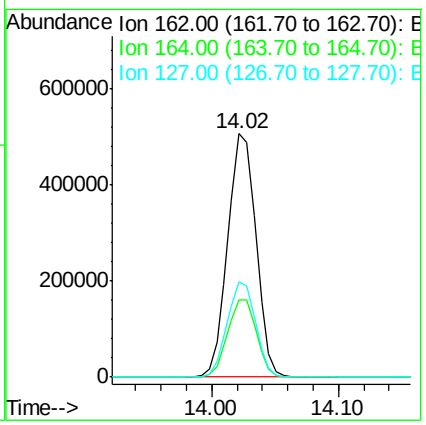


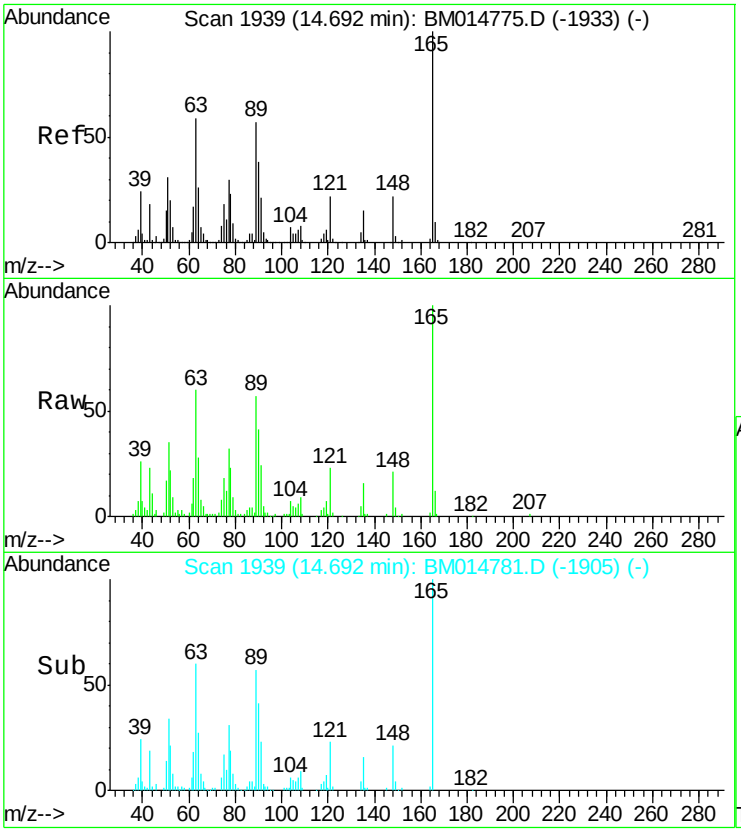


#41
2-Chloronaphthalene
Concen: 18.526 ng/ul
RT: 14.02 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Tgt Ion:162 Resp: 781317

Ion	Ratio	Lower	Upper
162	100		
164	31.5	25.9	38.9
127	38.9	29.4	44.2



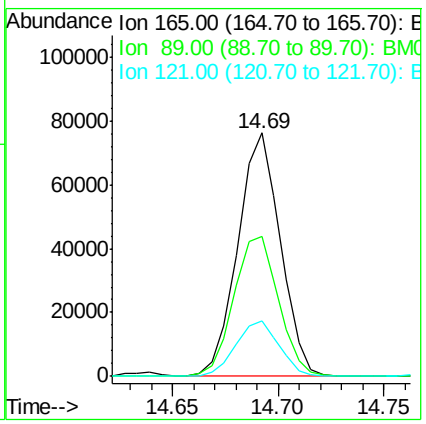


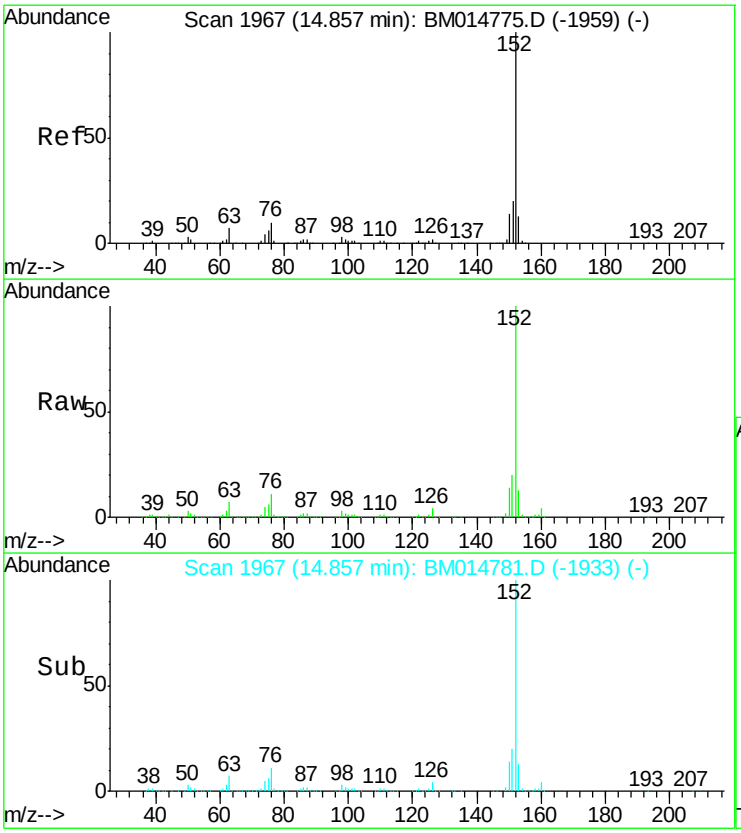
#45
2,6-Dinitrotoluene
Concen: 11.408 ng/ul
RT: 14.69 min Scan# 1939
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Instrument :
BNA_M
ClientSampleId :
DASM7

Tgt Ion:165 Resp: 106635

Ion	Ratio	Lower	Upper
165	100		
89	57.3	52.6	79.0
121	22.6	14.6	22.0#

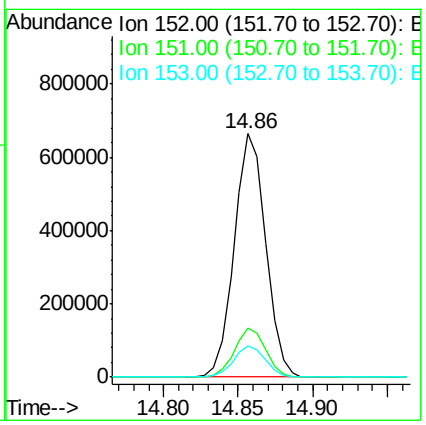


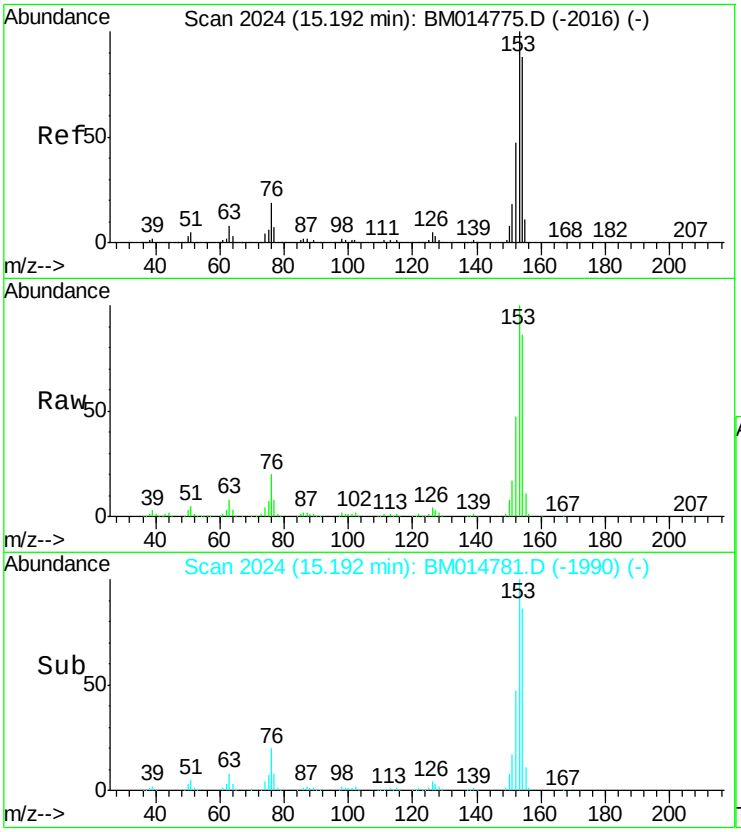


#47
Acenaphthylene
Concen: 15.459 ng/ul
RT: 14.86 min Scan# 1967
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Tgt Ion:152 Resp: 975048

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	12.8	10.2	15.4



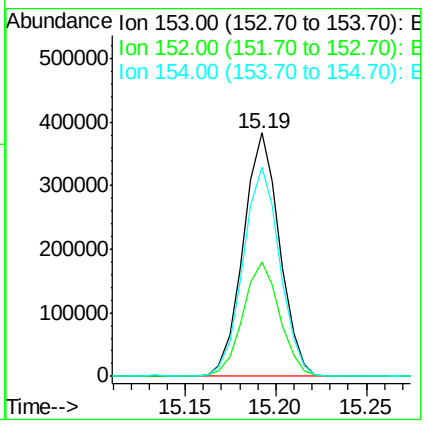


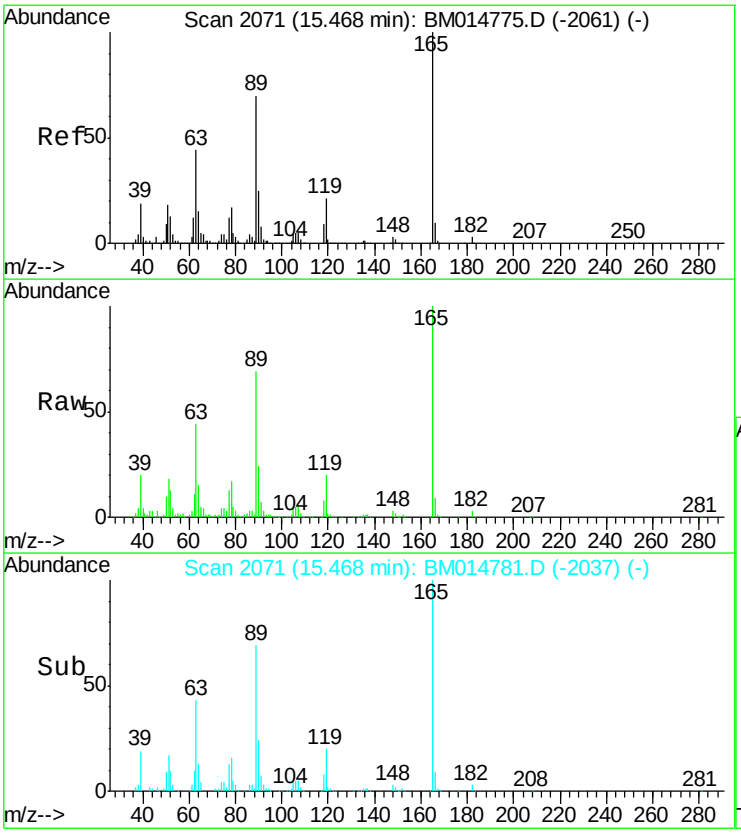
#49
Acenaphthene
Concen: 11.920 ng/ul
RT: 15.19 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Instrument :
BNA_M
ClientSampleId :
DASM7

Tgt Ion:153 Resp: 534292

Ion	Ratio	Lower	Upper
153	100		
152	46.9	37.6	56.4
154	85.8	70.4	105.6

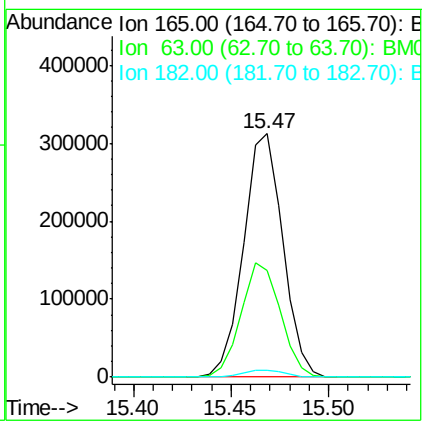


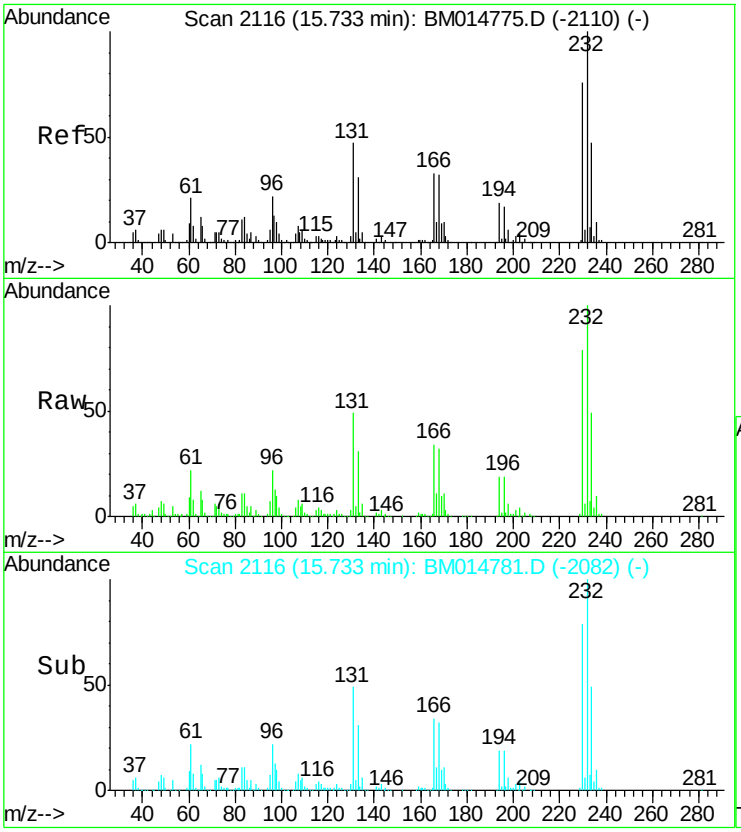


#54
2,4-Dinitrotoluene
Concen: 31.605 ng/ul
RT: 15.47 min Scan# 2071
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Tgt Ion:165 Resp: 435263

Ion	Ratio	Lower	Upper
165	100		
63	43.7	45.8	68.8#
182	2.9	2.6	4.0



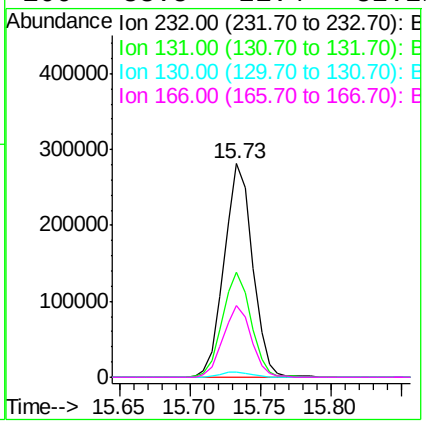


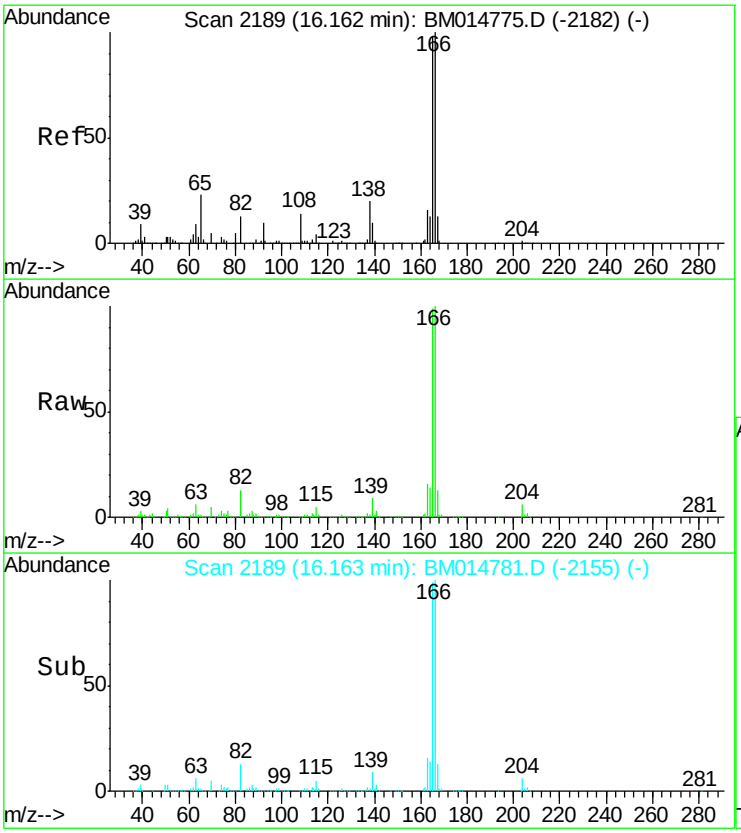
#55
2,3,4,6-Tetrachlorophenol
Concen: 33.290 ng/ul
RT: 15.73 min Scan# 2116
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Instrument :
BNA_M
ClientSampleId :
DASM7

Tgt Ion:232 Resp: 394538

Ion	Ratio	Lower	Upper
232	100		
131	49.1	29.0	43.4#
130	2.6	2.0	3.0
166	33.5	21.4	32.2#

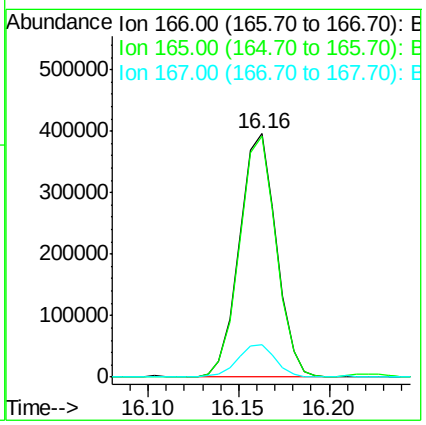


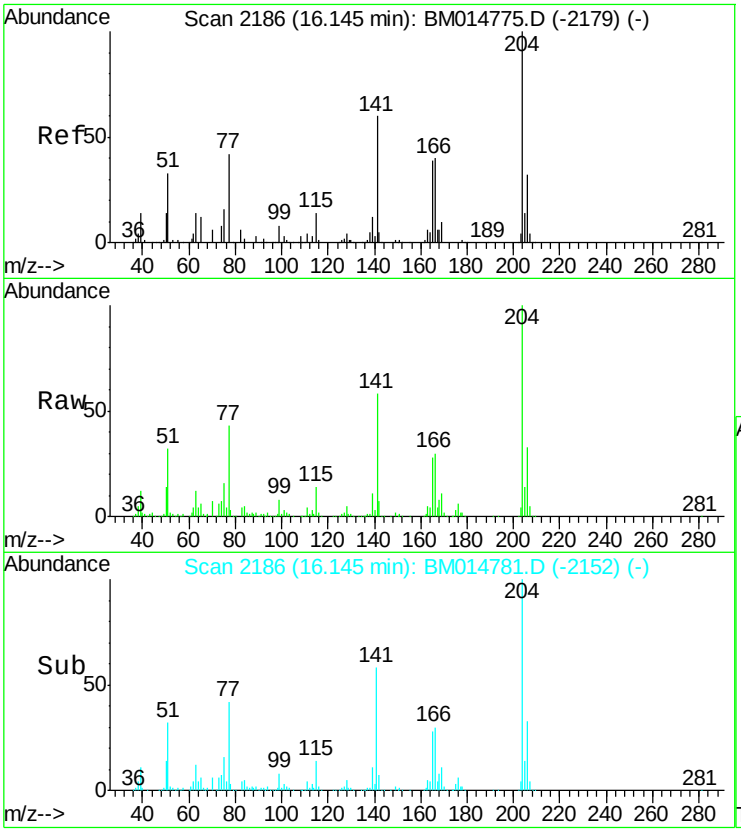


#58
Fluorene
Concen: 11.099 ng/ul
RT: 16.16 min Scan# 2189
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Tgt Ion:166 Resp: 557841

Ion	Ratio	Lower	Upper
166	100		
165	99.2	77.9	116.9
167	13.4	10.6	16.0



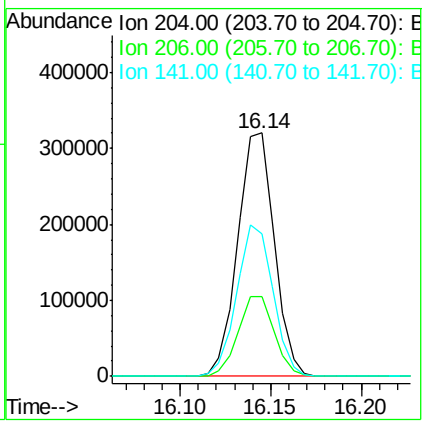


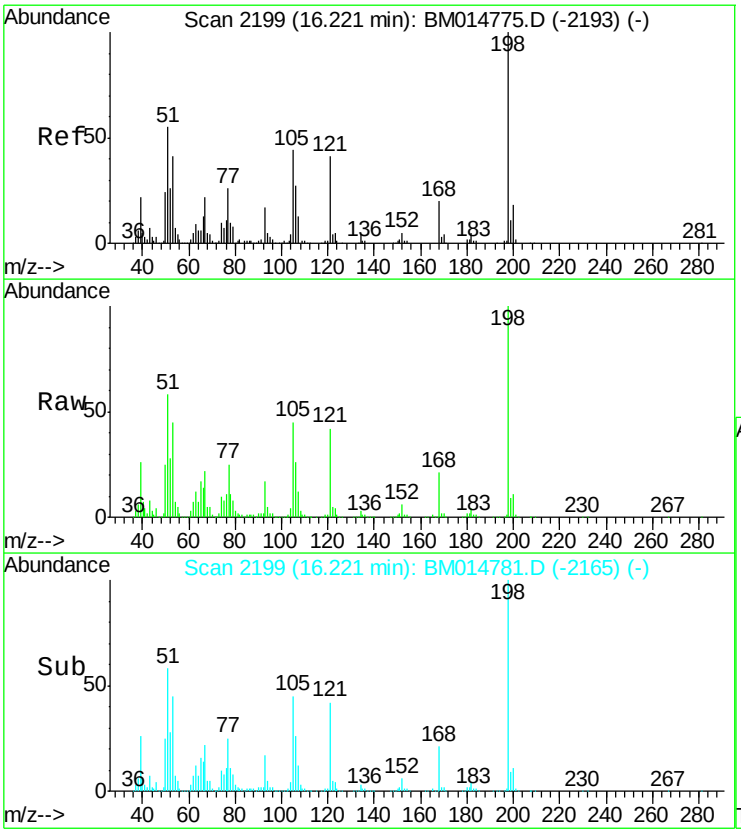
#59
4-Chlorophenyl-phenylether
Concen: 17.965 ng/ul
RT: 16.14 min Scan# 2186
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Instrument :
BNA_M
ClientSampleId :
DASM7

Tgt Ion:204 Resp: 451942

Ion	Ratio	Lower	Upper
204	100		
206	32.9	24.8	37.2
141	58.4	44.3	66.5

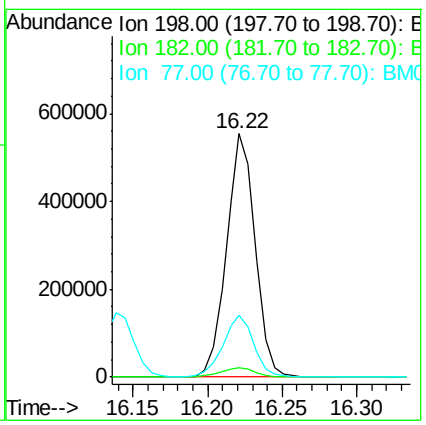


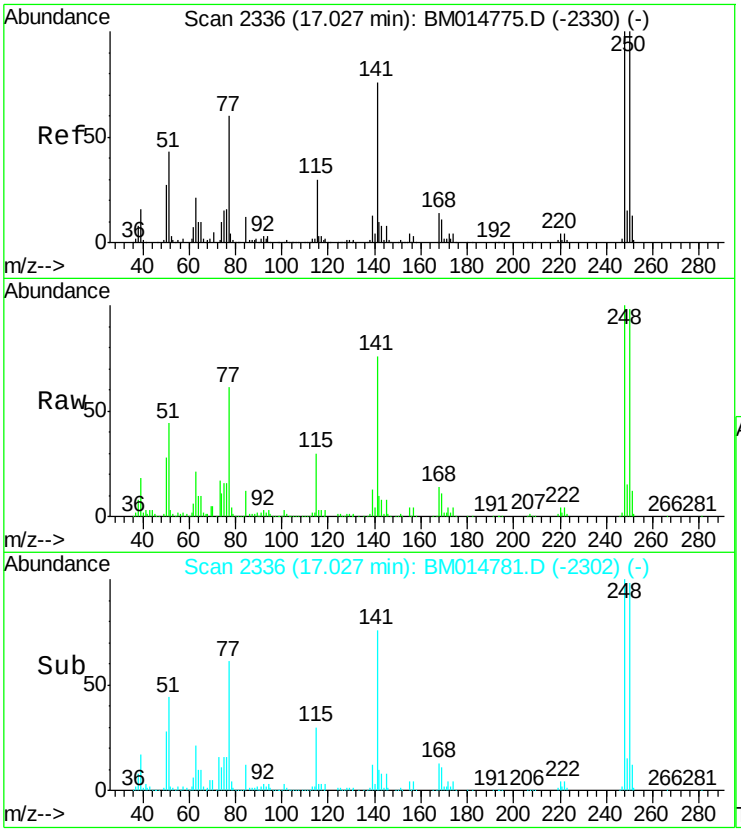


#63
4,6-Dinitro-2-methylphenol
Concen: 95.653 ng/ul
RT: 16.22 min Scan# 2199
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Tgt Ion:198 Resp: 747531

Ion	Ratio	Lower	Upper
198	100		
182	4.1	3.8	5.6
77	25.4	25.2	37.8



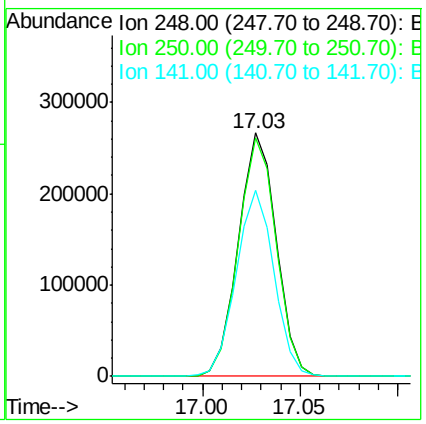


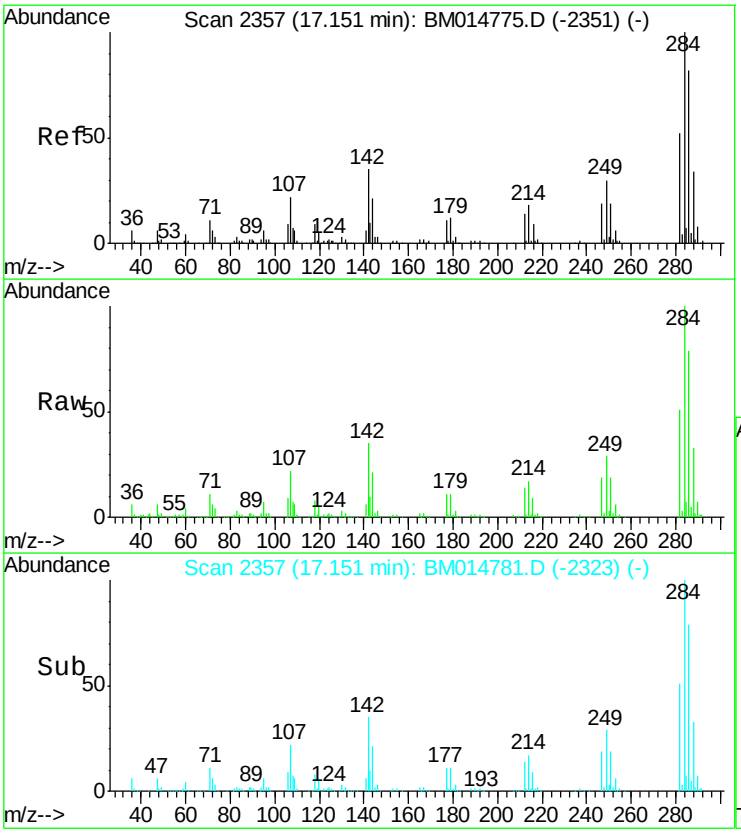
#65
4-Bromophenyl-phenylether
Concen: 24.460 ng/ul
RT: 17.03 min Scan# 2336
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Instrument :
BNA_M
ClientSampleId :
DASM7

Tgt Ion:248 Resp: 359061

Ion	Ratio	Lower	Upper
248	100		
250	97.9	80.5	120.7
141	76.3	53.6	80.4

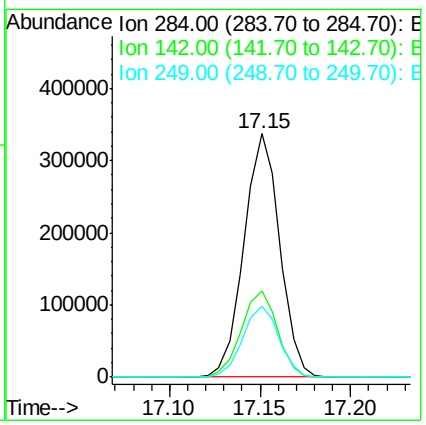


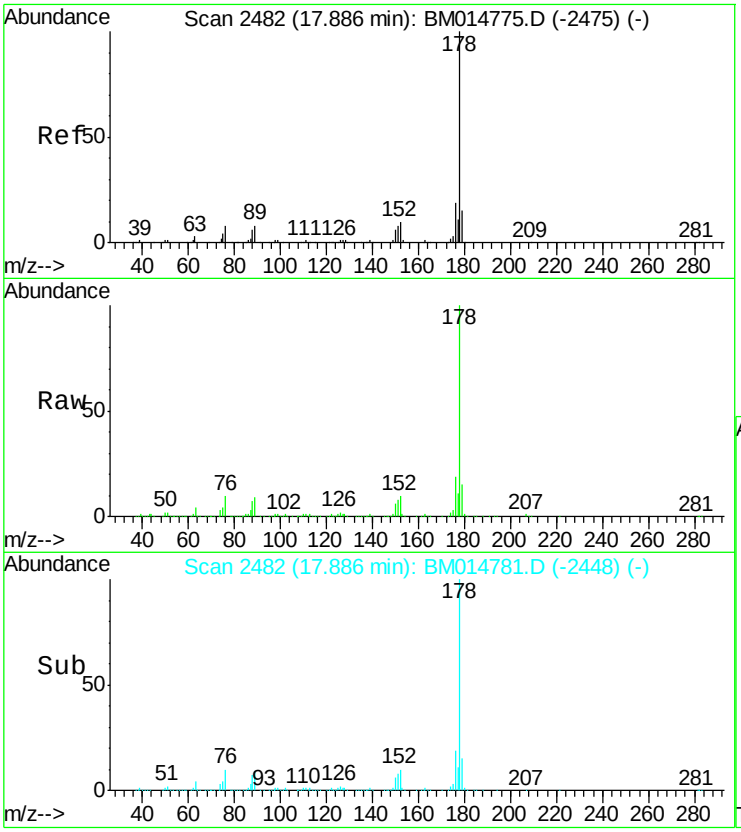


#66
Hexachlorobenzene
Concen: 27.133 ng/ul
RT: 17.15 min Scan# 2357
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Tgt Ion:284 Resp: 462752

Ion	Ratio	Lower	Upper
284	100		
142	35.1	21.2	31.8#
249	29.0	24.5	36.7



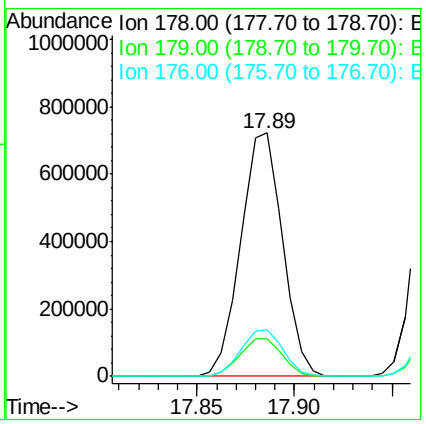


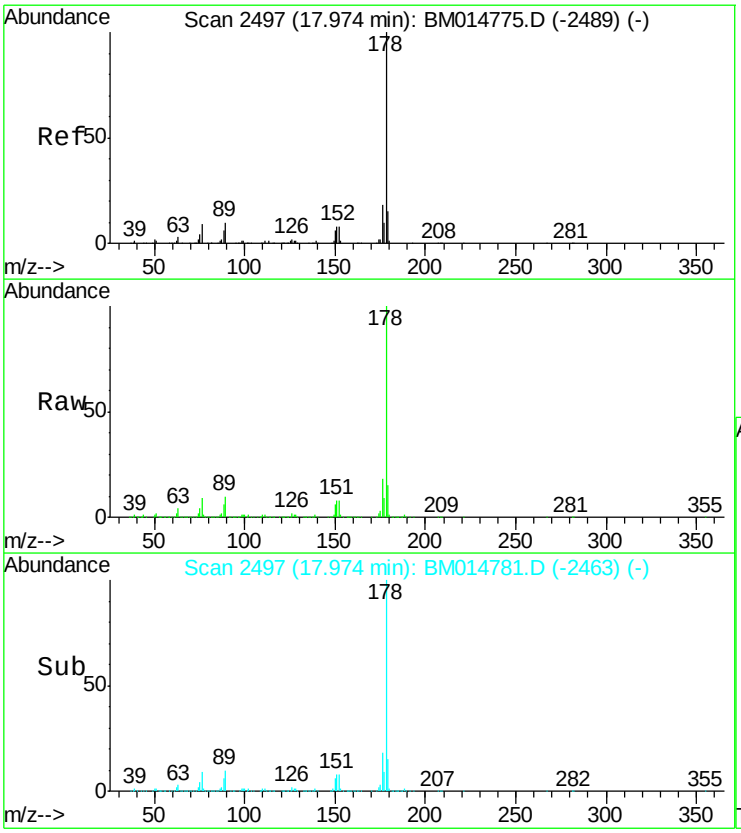
#69
Phenanthrene
Concen: 14.339 ng/ul
RT: 17.89 min Scan# 2482
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Instrument :
BNA_M
ClientSampleId :
DASM7

Tgt Ion:178 Resp: 1070307

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.6	19.0
176	18.9	14.9	22.3

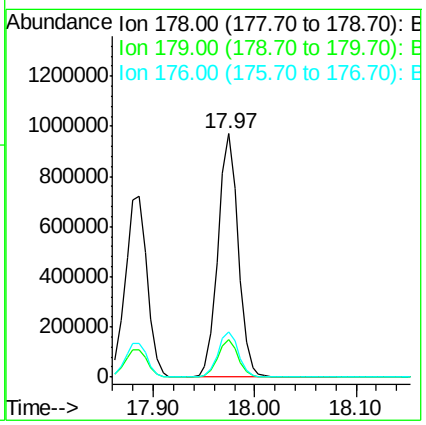


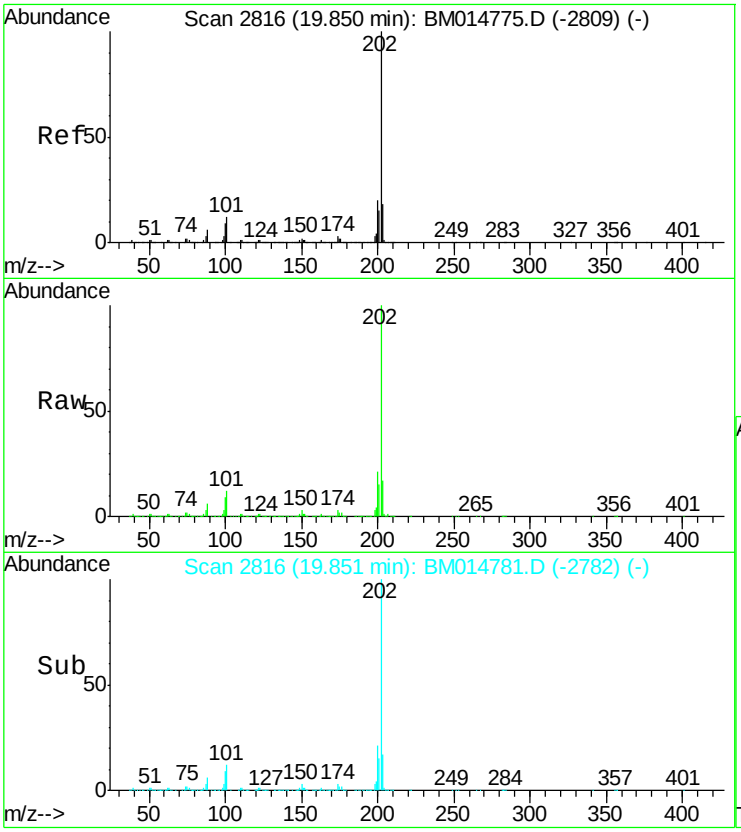


#71
Anthracene
Concen: 17.719 ng/ul
RT: 17.97 min Scan# 2497
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Tgt Ion:178 Resp: 1342320

Ion	Ratio	Lower	Upper
178	100		
179	15.2	11.7	17.5
176	18.4	14.6	21.8



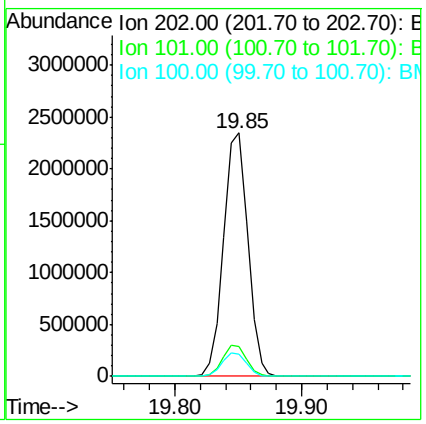


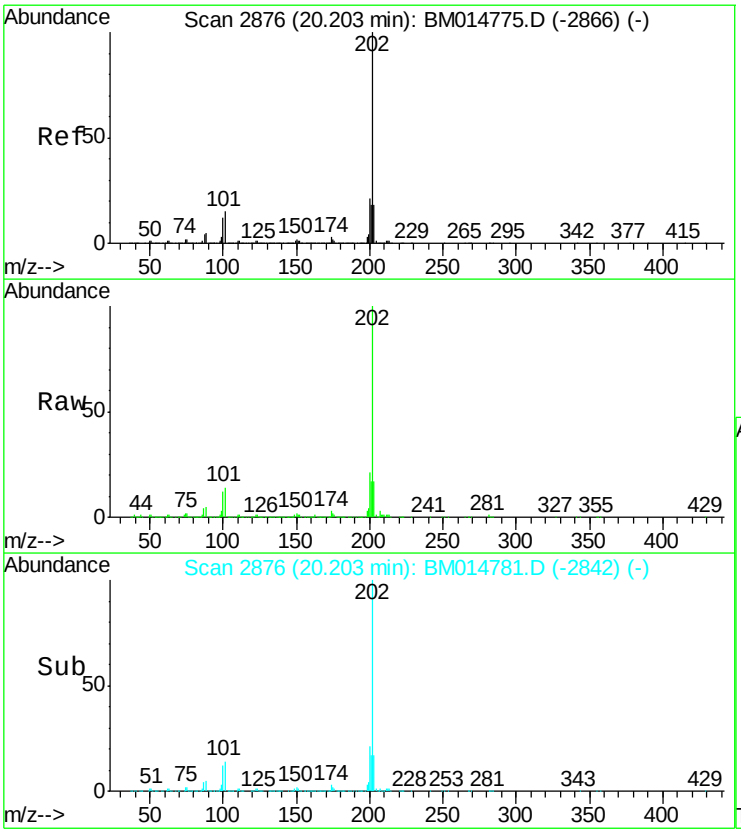
#74
Fluoranthene
Concen: 38.275 ng/ul
RT: 19.85 min Scan# 2816
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Instrument :
BNA_M
ClientSampleId :
DASM7

Tgt Ion:202 Resp: 3114906

Ion	Ratio	Lower	Upper
202	100		
101	12.2	4.6	7.0#
100	9.4	3.4	5.2#

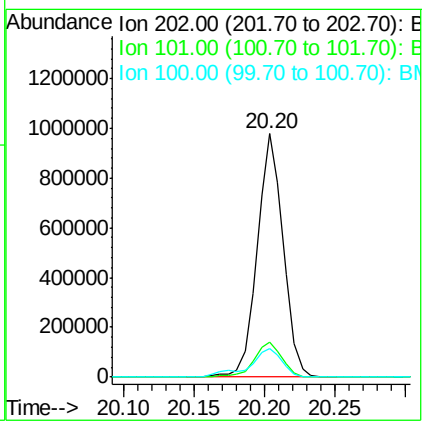


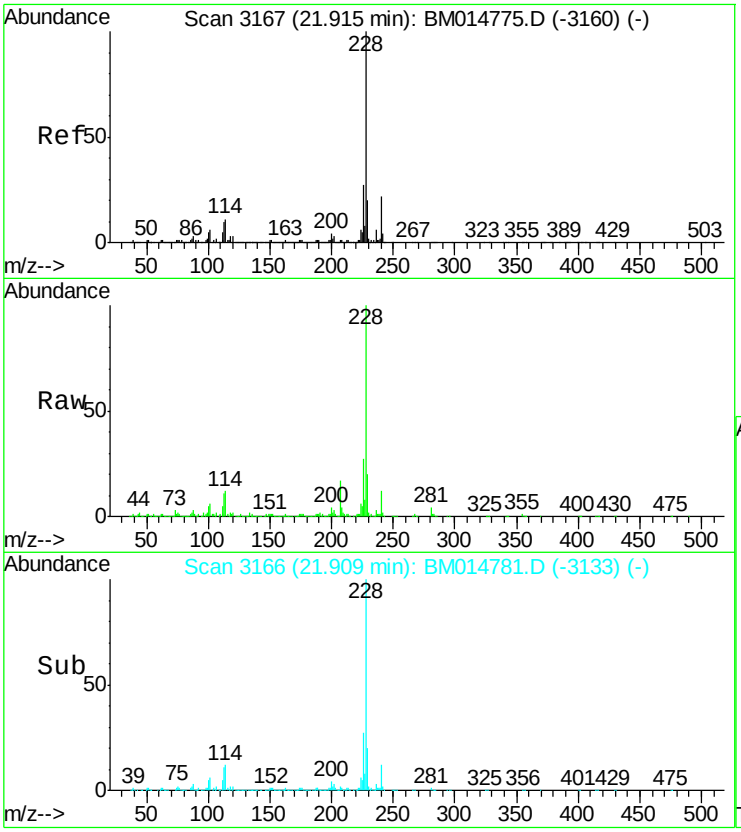


#77
Pyrene
Concen: 15.712 ng/ul
RT: 20.20 min Scan# 2876
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Tgt Ion:202 Resp: 1265410

Ion	Ratio	Lower	Upper
202	100		
101	14.5	5.1	7.7#
100	12.0	4.9	7.3#



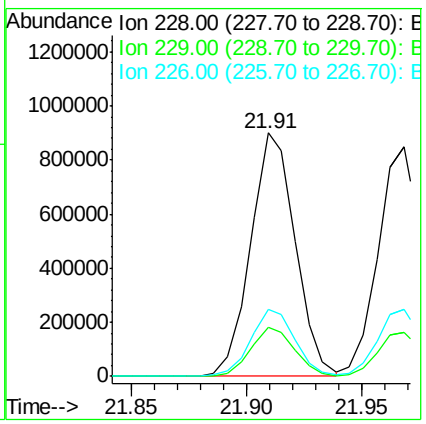


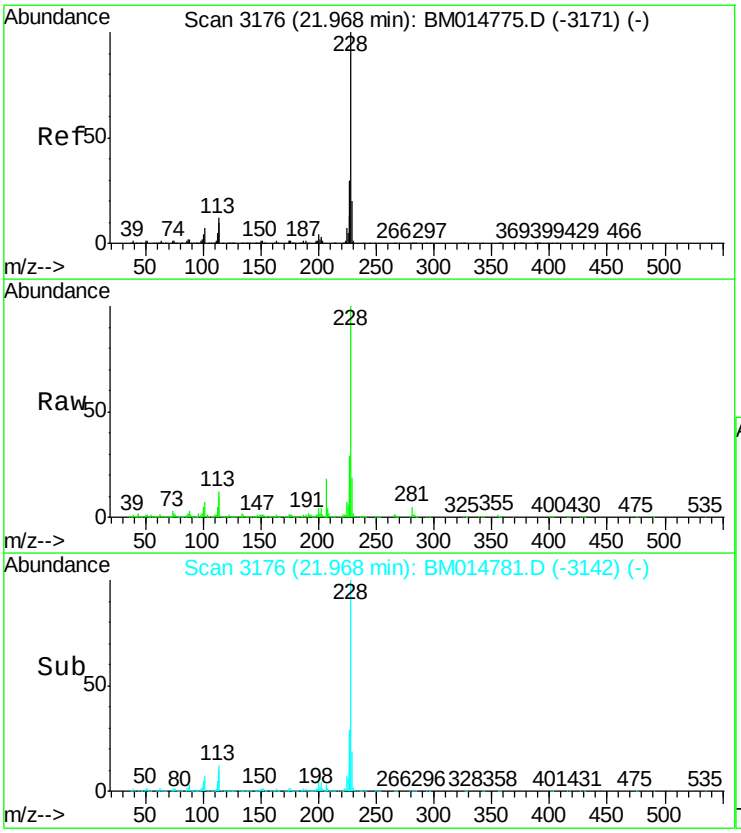
#80
Benzo(a)anthracene
Concen: 15.017 ng/ul
RT: 21.91 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Instrument :
BNA_M
ClientSampleId :
DASM7

Tgt Ion:228 Resp: 1210481

Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.4	23.0
226	27.5	21.4	32.0

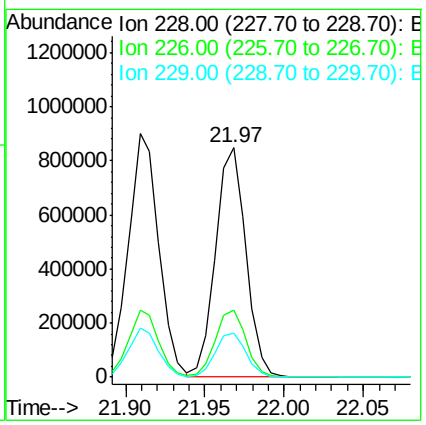


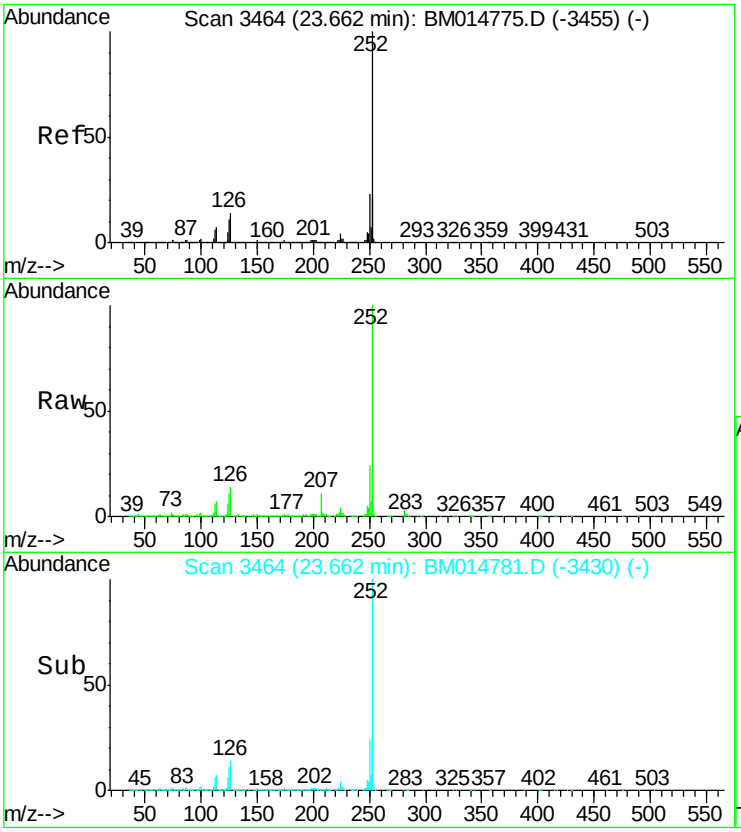


#82
Chrysene
Concen: 14.867 ng/ul
RT: 21.97 min Scan# 3176
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Tgt Ion:228 Resp: 1121906

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.4	35.2
229	19.3	15.5	23.3



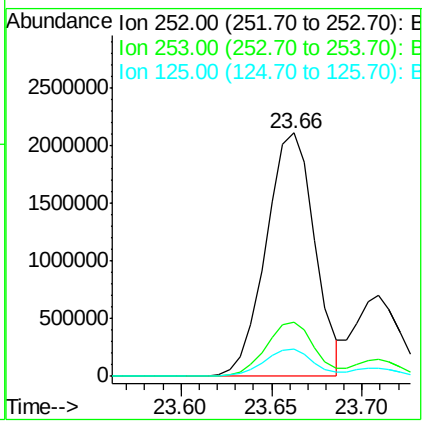


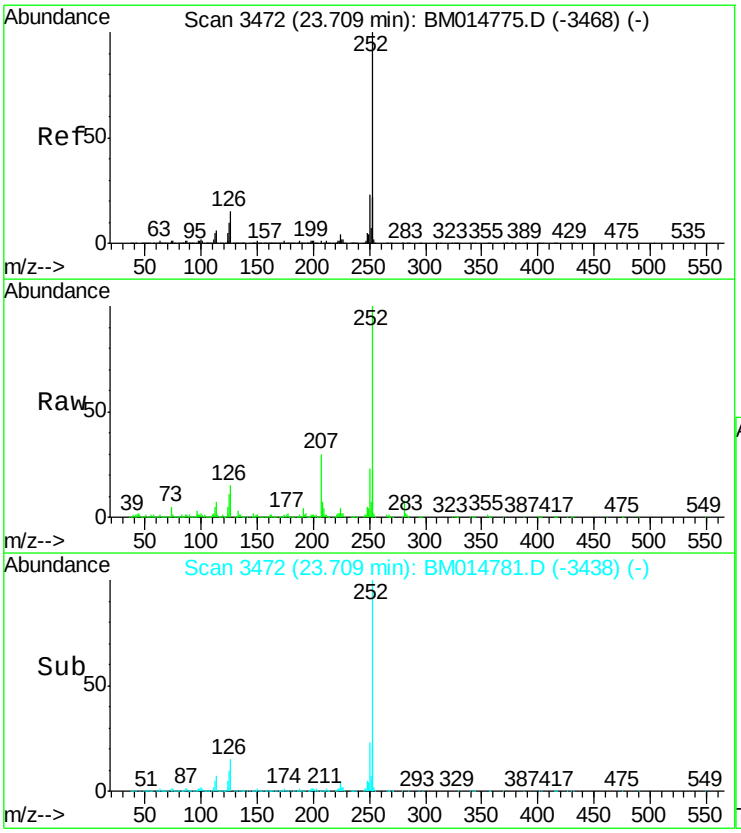
#85
Benzo(b)fluoranthene
Concen: 46.342 ng/ul
RT: 23.66 min Scan# 3464
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Instrument :
BNA_M
ClientSampleId :
DASM7

Tgt Ion:252 Resp: 3949361

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	11.1	3.6	5.4#

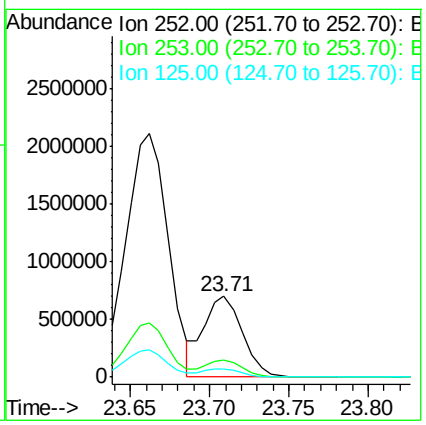


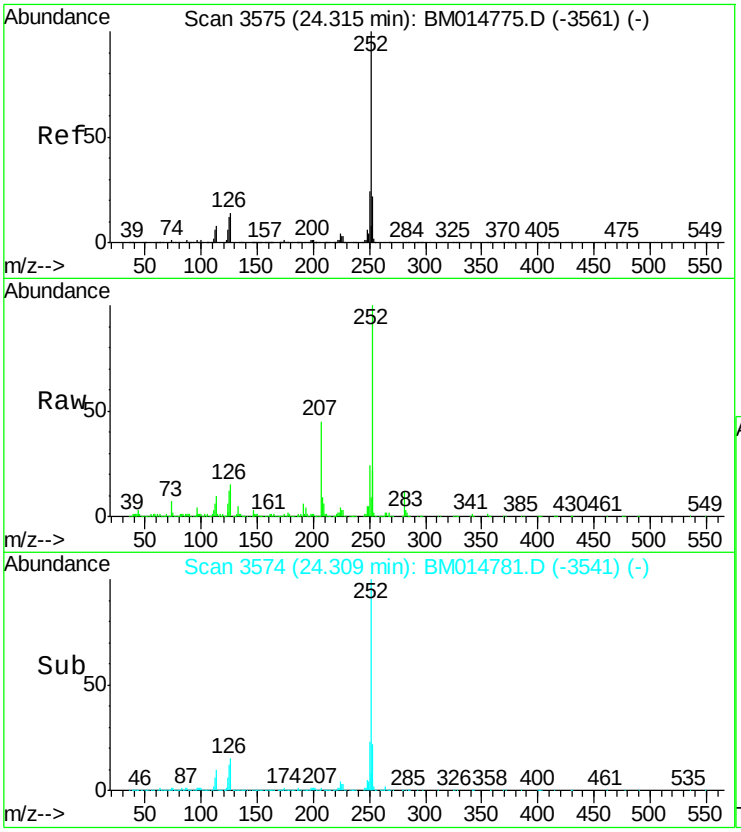


#86
Benzo(k)fluoranthene
Concen: 14.651 ng/ul
RT: 23.71 min Scan# 3472
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Tgt Ion:252 Resp: 1200623

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	10.7	3.4	5.2#



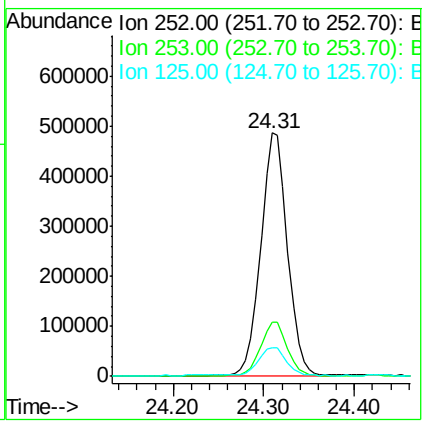


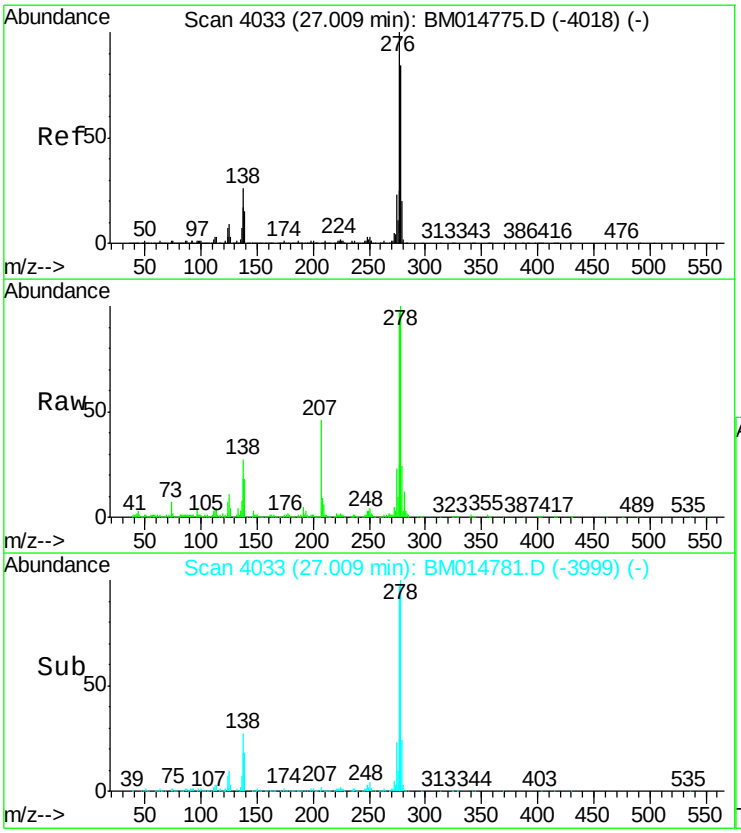
#88
Benzo(a)pyrene
Concen: 12.289 ng/ul
RT: 24.31 min Scan# 3574
Delta R.T. -0.01 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Instrument :
BNA_M
ClientSampleId :
DASM7

Tgt Ion:252 Resp: 993413

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.2
125	11.9	4.0	6.0#

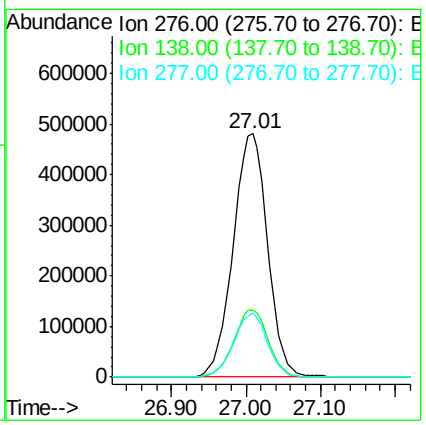


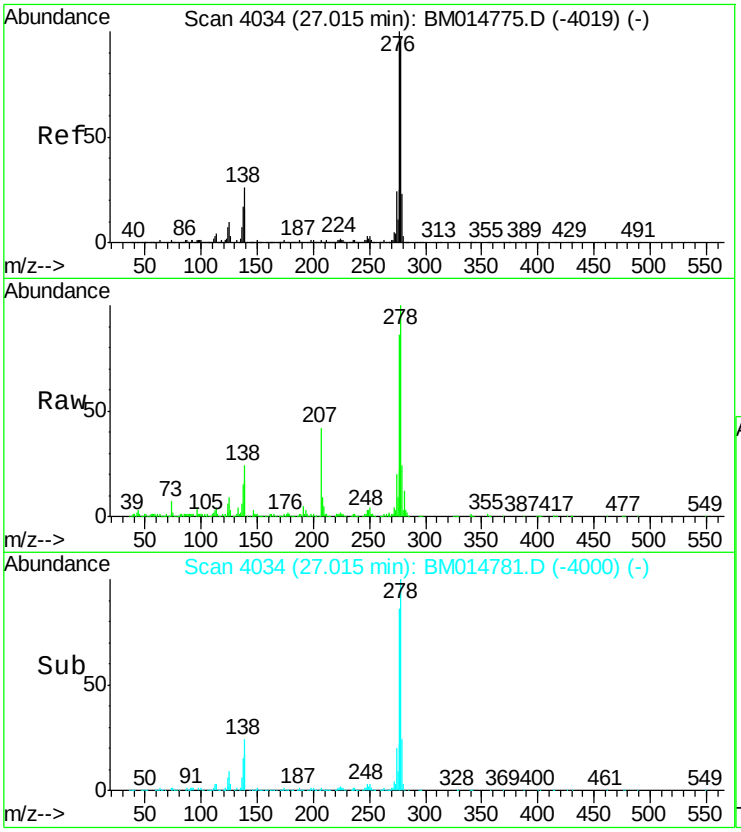


#89
Indeno(1,2,3-cd)pyrene
Concen: 15.776 ng/ul
RT: 27.01 min Scan# 4033
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Tgt Ion:276 Resp: 1542780

Ion	Ratio	Lower	Upper
276	100		
138	27.5	9.3	13.9#
277	26.3	19.9	29.9



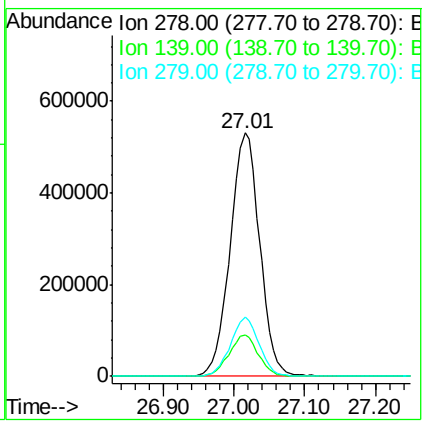


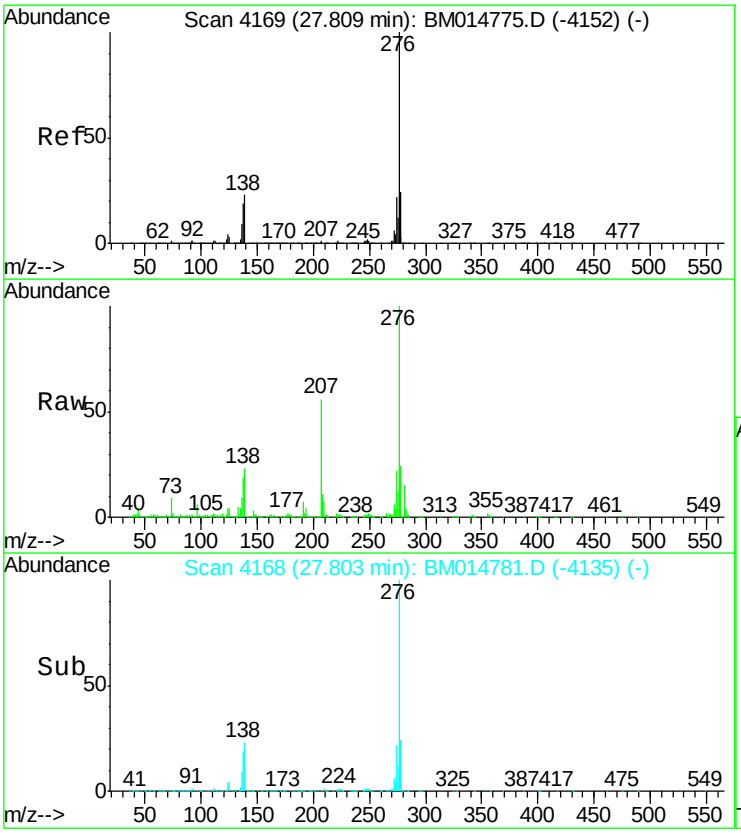
#90
Dibenzo(a,h)anthracene
Concen: 18.790 ng/ul
RT: 27.01 min Scan# 4034
Delta R.T. 0.00 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Instrument :
BNA_M
ClientSampleId :
DASM7

Tgt Ion:278 Resp: 1547205

Ion	Ratio	Lower	Upper
278	100		
139	16.9	5.8	8.8#
279	24.3	18.6	27.8





#91
Benzo(g,h,i)perylene
Concen: 16.635 ng/ul
RT: 27.80 min Scan# 4168
Delta R.T. -0.01 min
Lab File: BM014781.D
Acq: 23 Apr 2018 18:12

Tgt Ion:276 Resp: 1338366

Ion	Ratio	Lower	Upper
276	100		
138	23.0	8.5	12.7#
277	23.6	18.6	28.0