Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112017\
Data File : BM013044.D
Acq On : 20 Nov 2017 13:18
Operator : SJ/JU
Sample : I6260-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : X2B47

Quant Time: Nov 20 18:11:47 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 20 17:14:21 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	179093	20.00	ng/ul	0.00
18) Naphthalene-d8	10.50	136	749974	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.36	164	408329	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.10	188	833757	20.00	ng/ul	0.00
75) Chrysene-d12	21.29	240	672579	20.00	ng/ul	0.00
83) Perylene-d12	23.52	264	638228	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.25	96	11788	3.05	ng/uL	0.00
5) Phenol-d5	6.89	99	366786	23.65	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.06	67	213058	24.20	ng/ul	0.00
9) 2-Chlorophenol-d4	7.26	132	297562	24.00	ng/ul	0.00
13) 4-Methylphenol-d8	8.42	113	262050	20.62	ng/ul	0.00
19) Nitrobenzene-d5	8.87	128	138853	25.98	ng/ul	0.00
22) 2-Nitrophenol-d4	9.59	143	103651	20.39	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.12	165	297413	23.04	ng/ul	0.00
29) 4-Chloroaniline-d4	10.63	131	219423	16.26	ng/ul	0.00
43) Dimethylphthalate-d6	13.77	166	877815	24.51	ng/ul	0.00
46) Acenaphthylene-d8	14.05	160	1068856	23.42	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	108823	20.03	ng/ul	0.00
57) Fluorene-d10	15.35	176	724182	23.79	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.47	200	41571	11.50	ng/ul	0.01
70) Anthracene-d10	17.20	188	1151964	26.99	ng/ul	0.00
76) Pyrene-d10	19.50	212	1098009	31.96	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.38	264	922092	28.49	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.29	88	28127	6.62	ng/uL#	66
12) 2,2'-oxybis(1-Chloropropan	8.25	45	205224	15.69	ng/ul#	82
20) Nitrobenzene	8.91	77	254024	19.02	ng/ul	97
23) 2-Nitrophenol	9.62	139	108203	19.56	ng/ul#	80
25) Bis(2-Chloroethoxy)methane	9.92	93	225778	14.38	ng/ul	93
27) 2,4-Dichlorophenol	10.15	162	202511	16.89	ng/ul	90
28) Naphthalene	10.55	128	408654	10.57	ng/ul	99
33) 4-Chloro-3-methylphenol	11.79	107	640872	50.17	ng/ul	97
34) 2-Methylnaphthalene	12.17	142	697137	24.66	ng/ul	95
37) Hexachlorocyclopentadiene	12.52	237	235277	21.42	ng/ul	98
38) 2,4,6-Trichlorophenol	12.78	196	154664	17.28	ng/ul	96
41) 2-Chloronaphthalene	13.23	162	515537	18.91	ng/ul	98
45) 2,6-Dinitrotoluene	13.93	165	55711	10.66	ng/ul#	94
47) Acenaphthylene	14.08	152	614092	14.61	ng/ul	98
49) Acenaphthene	14.42	153	333540	11.81	ng/ul	98
54) 2,4-Dinitrotoluene	14.72	165	193672	26.49	ng/ul#	85
55) 2,3,4,6-Tetrachlorophenol	14.99	232	262512	33.49	ng/ul	91
58) Fluorene	15.41	166	364308	10.93	ng/ul	100
59) 4-Chlorophenyl-phenylether	15.41	204	323520	18.37	ng/ul	97
63) 4,6-Dinitro-2-methylphenol	15.49	198	143179	36.47	ng/ul#	90
65) 4-Bromophenyl-phenylether	16.30	248	250434	24.80	ng/ul	97
66) Hexachlorobenzene	16.41	284	282128	25.89	ng/ul#	91
69) Phenanthrene	17.14	178	613017	13.07	ng/ul	98

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Data File : BM013044.D
Acq On : 20 Nov 2017 13:18
Operator : SJ/JU
Sample : I6260-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : X2B47

Quant Time: Nov 20 18:11:47 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 20 17:14:21 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Anthracene	17.23	178	749976	15.41	ng/ul	98
74) Fluoranthene	19.16	202	1611071	28.42	ng/ul#	92
77) Pyrene	19.53	202	625776	14.94	ng/ul#	93
80) Benzo(a)anthracene	21.27	228	549652	12.77	ng/ul	100
82) Chrysene	21.32	228	496272	12.43	ng/ul	98
85) Benzo(b)fluoranthene	22.85	252	1673692	40.58	ng/ul#	97
86) Benzo(k)fluoranthene	22.90	252	455795	12.00	ng/ul#	98
88) Benzo(a)pyrene	23.42	252	406715	10.59	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.77	276	589335	13.14	ng/ul#	96
90) Dibenzo(a,h)anthracene	25.78	278	599431	15.77	ng/ul#	96
91) Benzo(g,h,i)perylene	26.45	276	512903	13.76	ng/ul#	94

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

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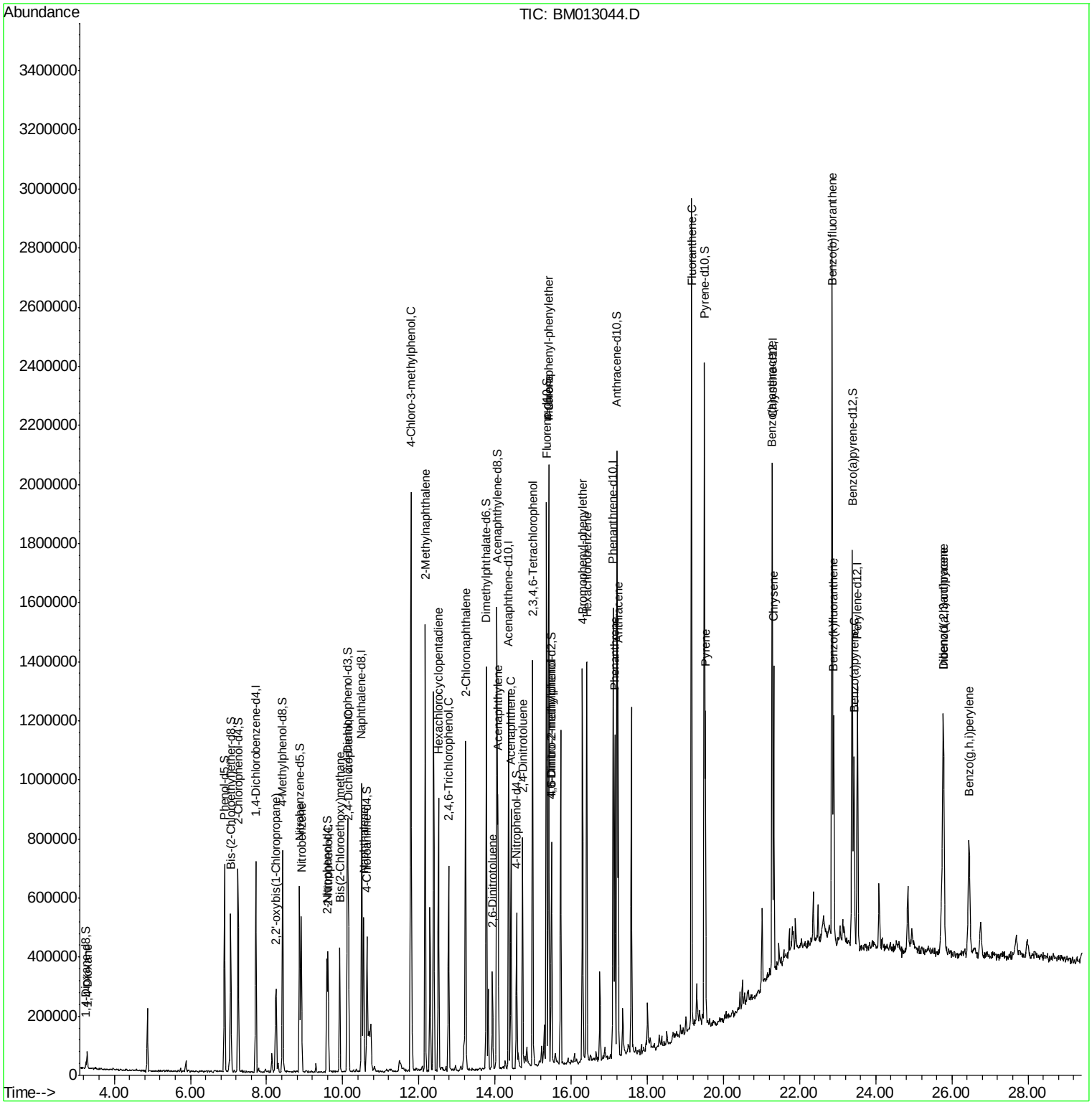
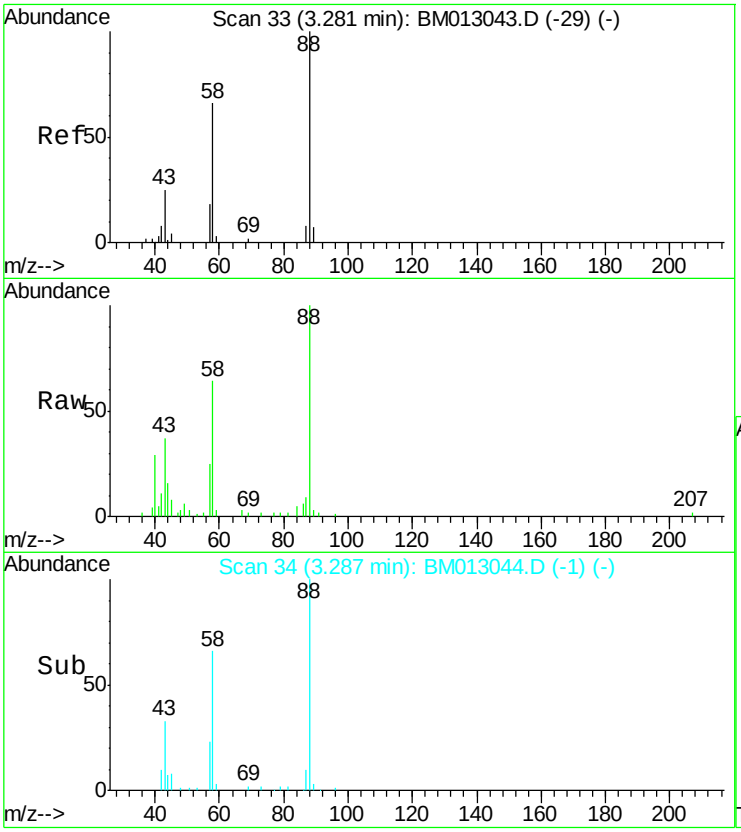


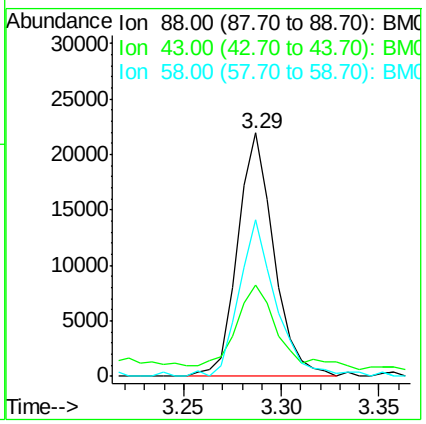


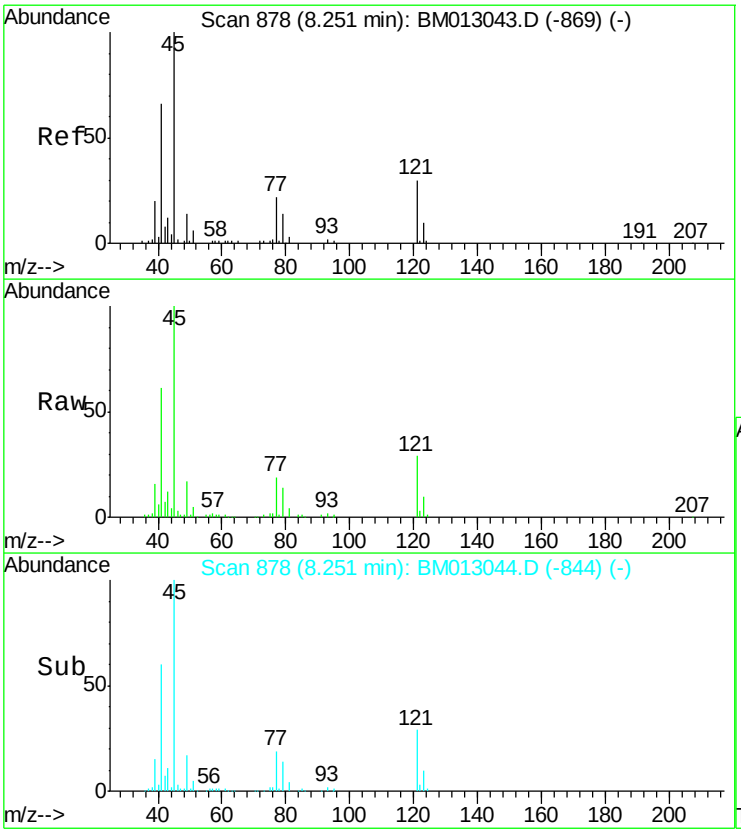
#2
1,4-Dioxane
Concen: 6.62 ng/uL
RT: 3.29 min Scan# 34
Delta R.T. 0.01 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Instrument :
BNA_M
ClientSampleId :
X2B47

Tgt Ion: 88 Resp: 28127

Ion	Ratio	Lower	Upper
88	100		
43	35.4	48.0	72.0#
58	64.5	80.0	120.0#

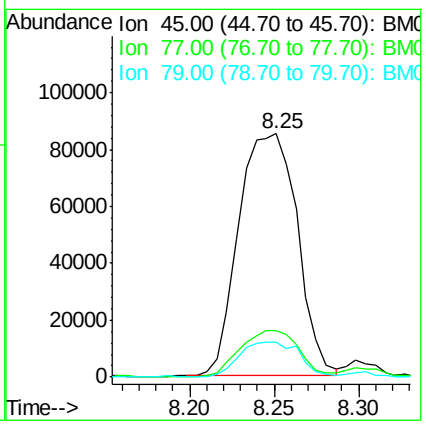


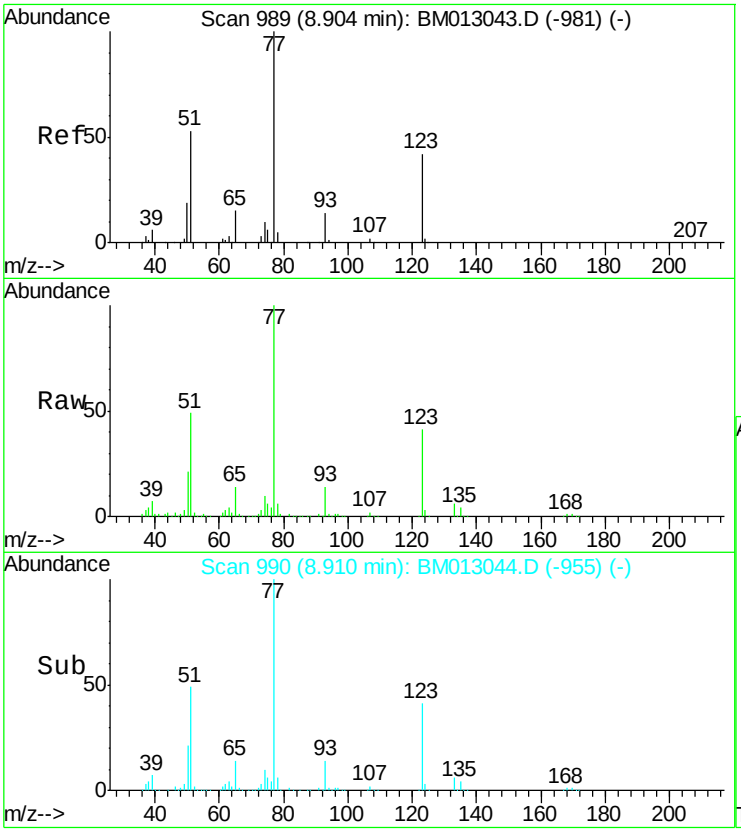


#12
2,2'-oxybis(1-Chloropropane)
Concen: 15.69 ng/ul
RT: 8.25 min Scan# 878
Delta R.T. 0.00 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Tgt Ion: 45 Resp: 205224

Ion	Ratio	Lower	Upper
45	100		
77	19.0	8.0	12.0#
79	14.4	8.0	12.0#



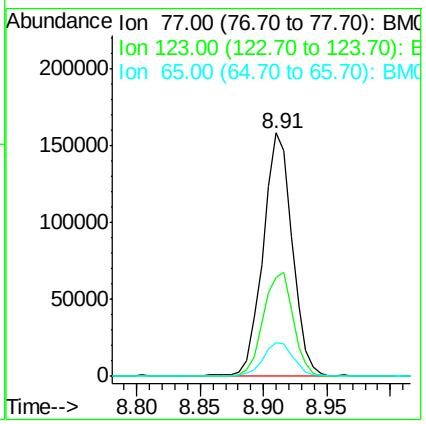


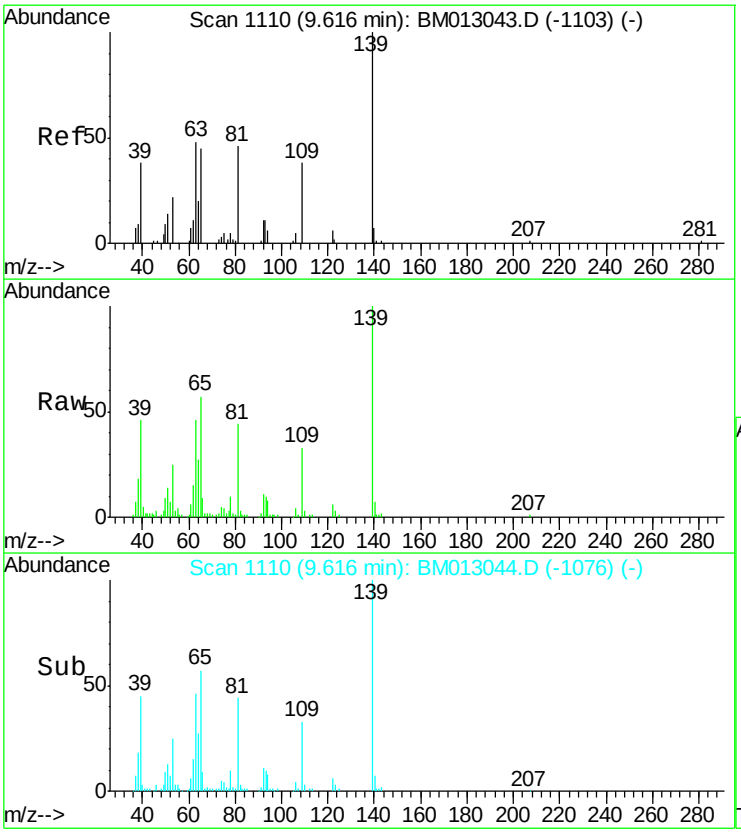
#20
Nitrobenzene
Concen: 19.02 ng/ul
RT: 8.91 min Scan# 990
Delta R.T. 0.01 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Instrument :
BNA_M
ClientSampleId :
X2B47

Tgt Ion: 77 Resp: 254024

Ion	Ratio	Lower	Upper
77	100		
123	40.7	31.0	46.6
65	14.1	12.2	18.2

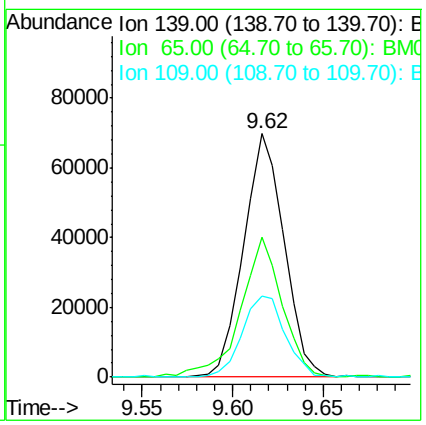


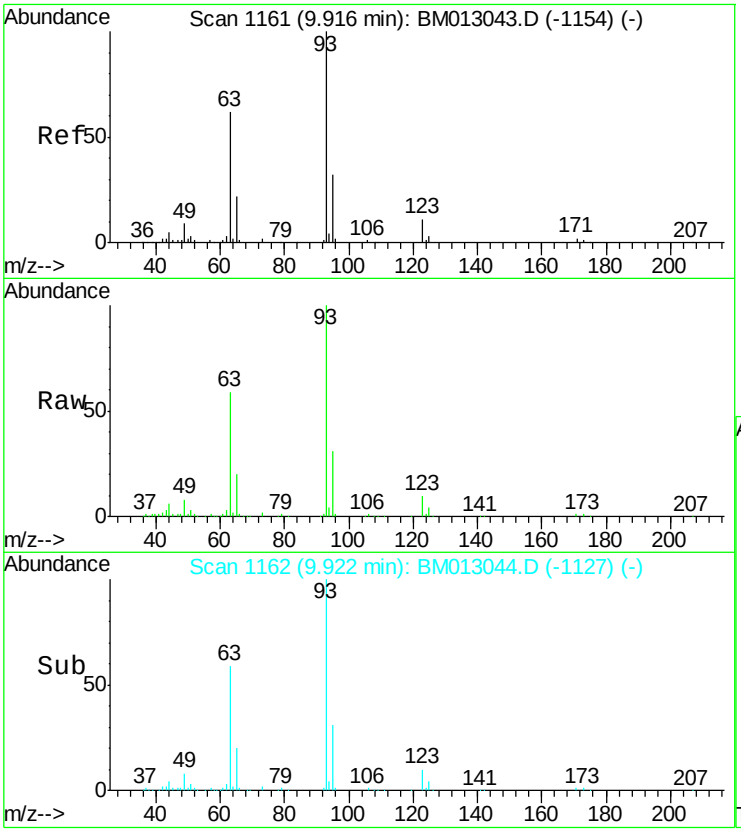


#23
2-Nitrophenol
Concen: 19.56 ng/ul
RT: 9.62 min Scan# 1110
Delta R.T. 0.00 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Tgt Ion:139 Resp: 108203

Ion	Ratio	Lower	Upper
139	100		
65	57.3	55.4	83.0
109	33.1	42.2	63.2#



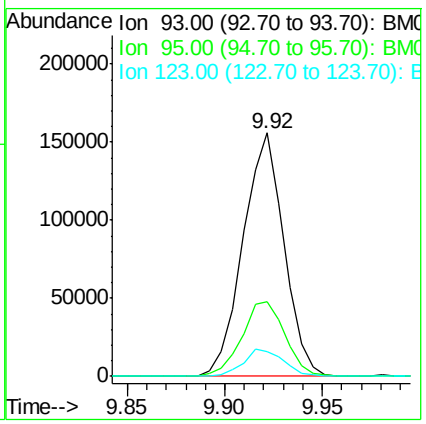


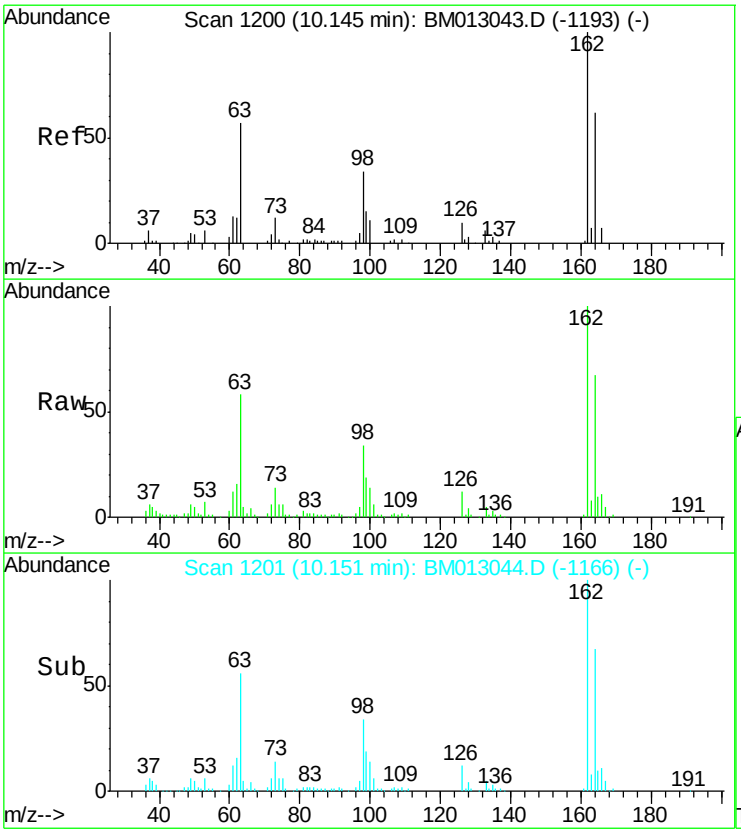
#25
Bis(2-Chloroethoxy)methane
Concen: 14.38 ng/ul
RT: 9.92 min Scan# 1162
Delta R.T. 0.01 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Instrument :
BNA_M
ClientSampleId :
X2B47

Tgt Ion: 93 Resp: 225778

Ion	Ratio	Lower	Upper
93	100		
95	30.5	28.5	42.7
123	10.1	8.9	13.3

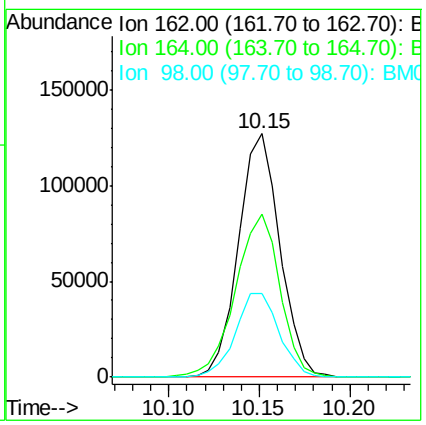


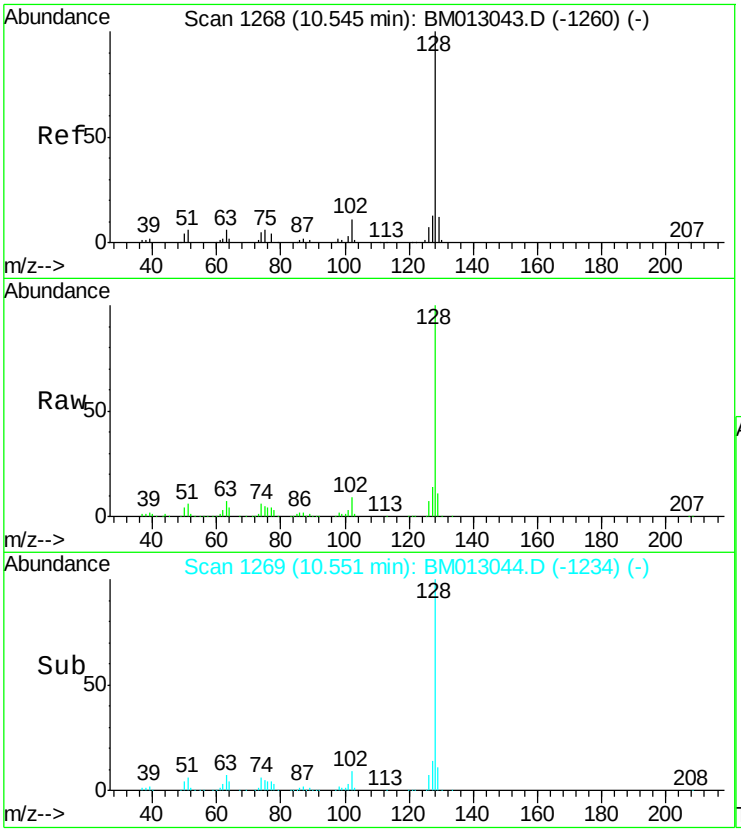


#27
2,4-Dichlorophenol
Concen: 16.89 ng/ul
RT: 10.15 min Scan# 1201
Delta R.T. 0.01 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Tgt Ion:162 Resp: 202511

Ion	Ratio	Lower	Upper
162	100		
164	66.8	47.8	71.6
98	34.4	23.0	34.4



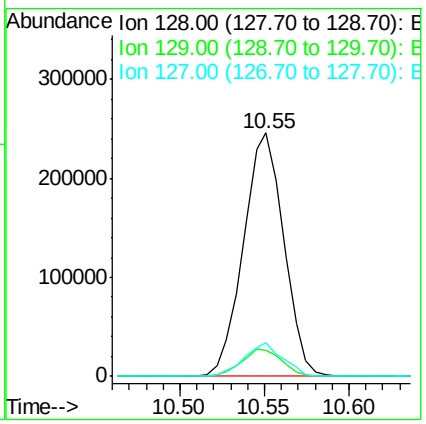


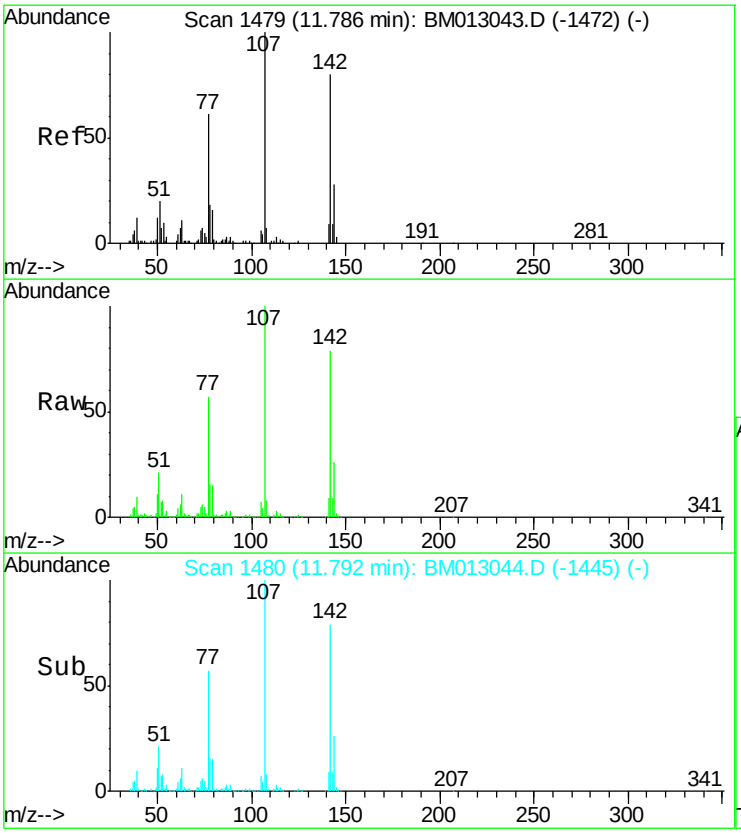
#28
Naphthalene
Concen: 10.57 ng/ul
RT: 10.55 min Scan# 1269
Delta R.T. 0.01 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Instrument :
BNA_M
ClientSampleId :
X2B47

Tgt Ion:128 Resp: 408654

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.8	13.2
127	13.7	10.6	16.0

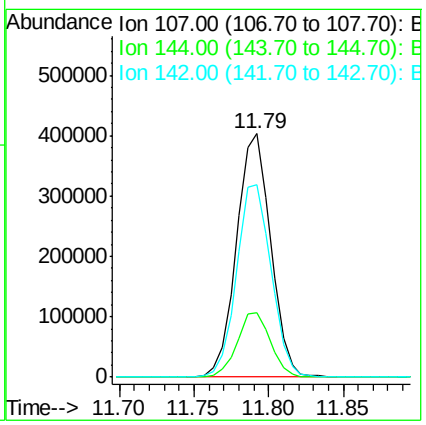


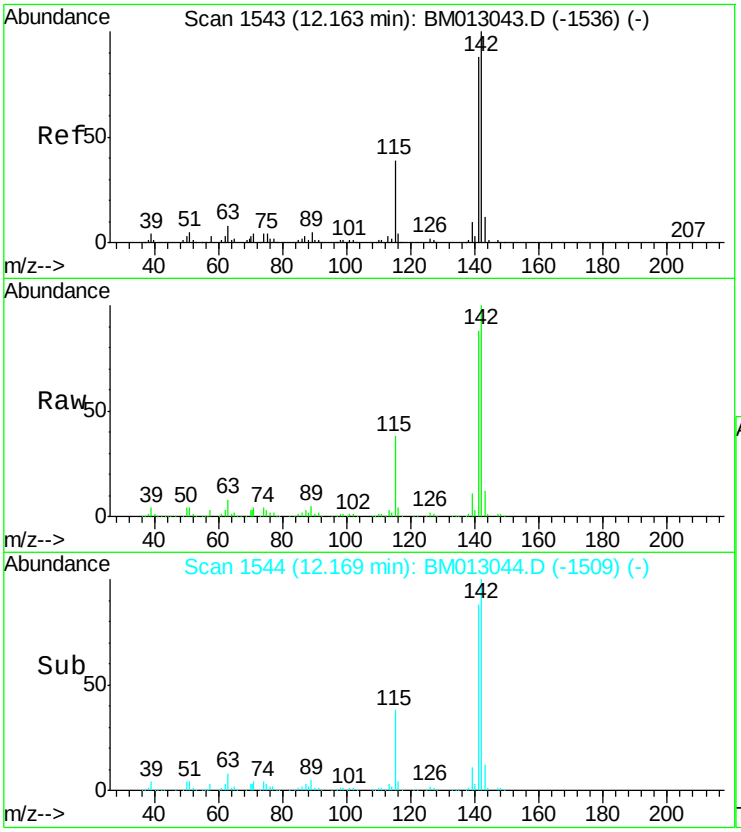


#33
4-Chloro-3-methylphenol
Concen: 50.17 ng/ul
RT: 11.79 min Scan# 1480
Delta R.T. 0.01 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Tgt Ion:107 Resp: 640872

Ion	Ratio	Lower	Upper
107	100		
144	26.2	20.4	30.6
142	78.9	60.5	90.7



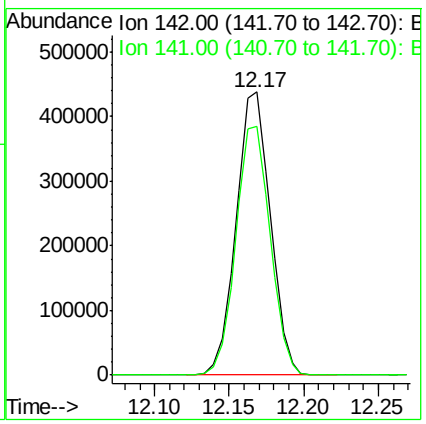


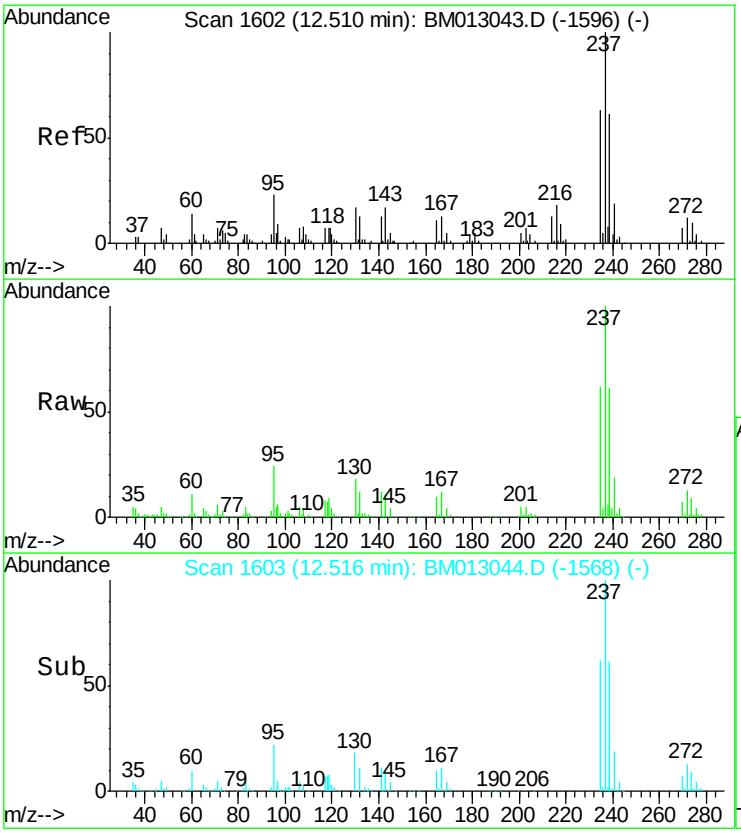
#34
2-Methylnaphthalene
Concen: 24.66 ng/ul
RT: 12.17 min Scan# 1544
Delta R.T. 0.01 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Instrument :
BNA_M
ClientSampleId :
X2B47

Tgt Ion:142 Resp: 697137

Ion	Ratio	Lower	Upper
142	100		
141	87.7	74.1	111.1

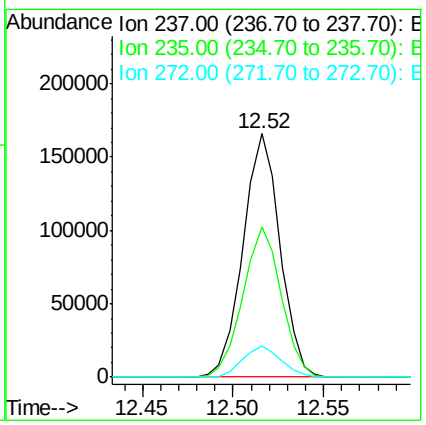


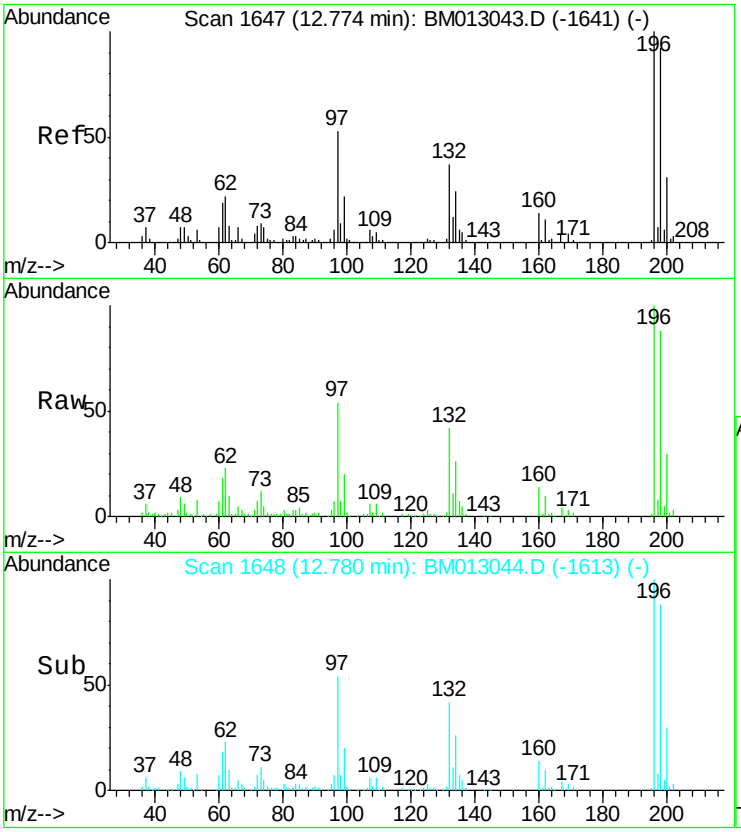


#37
Hexachlorocyclopentadiene
Concen: 21.42 ng/ul
RT: 12.52 min Scan# 1603
Delta R.T. 0.01 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Tgt Ion:237 Resp: 235277

Ion	Ratio	Lower	Upper
237	100		
235	61.6	50.2	75.4
272	12.6	11.0	16.6



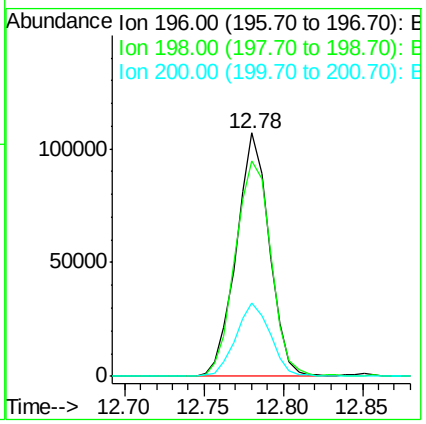


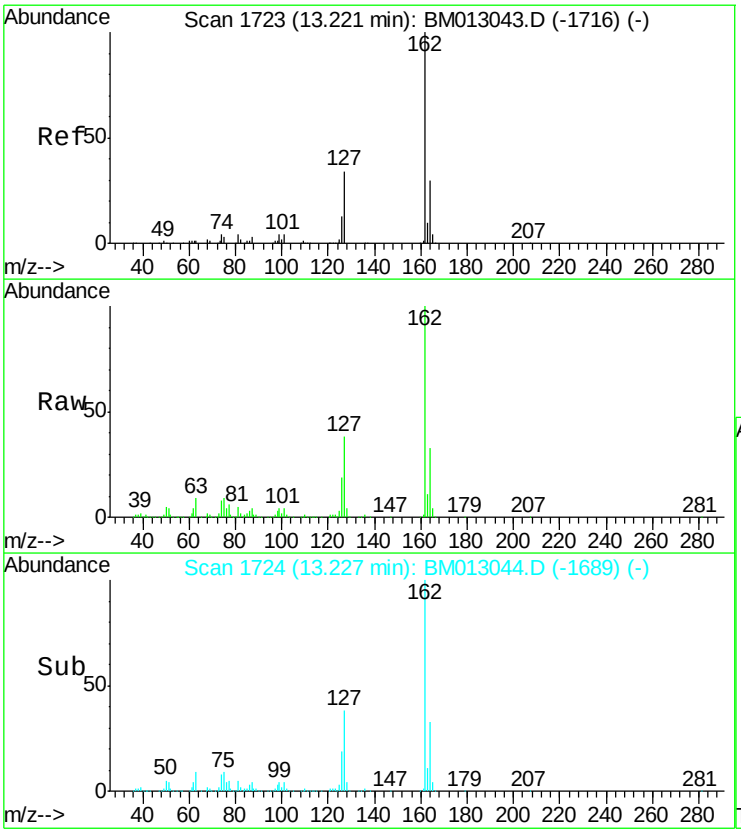
#38
2,4,6-Trichlorophenol
Concen: 17.28 ng/ul
RT: 12.78 min Scan# 1648
Delta R.T. 0.01 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Instrument :
BNA_M
ClientSampleId :
X2B47

Tgt Ion:196 Resp: 154664

Ion	Ratio	Lower	Upper
196	100		
198	88.4	74.1	111.1
200	30.4	25.2	37.8

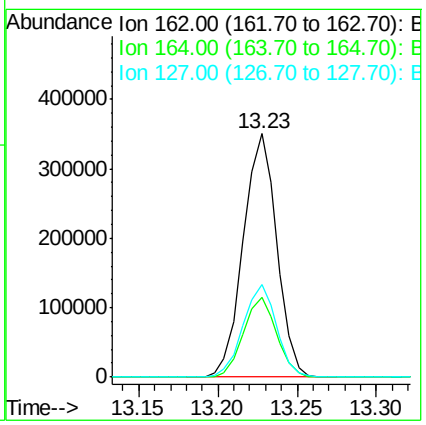


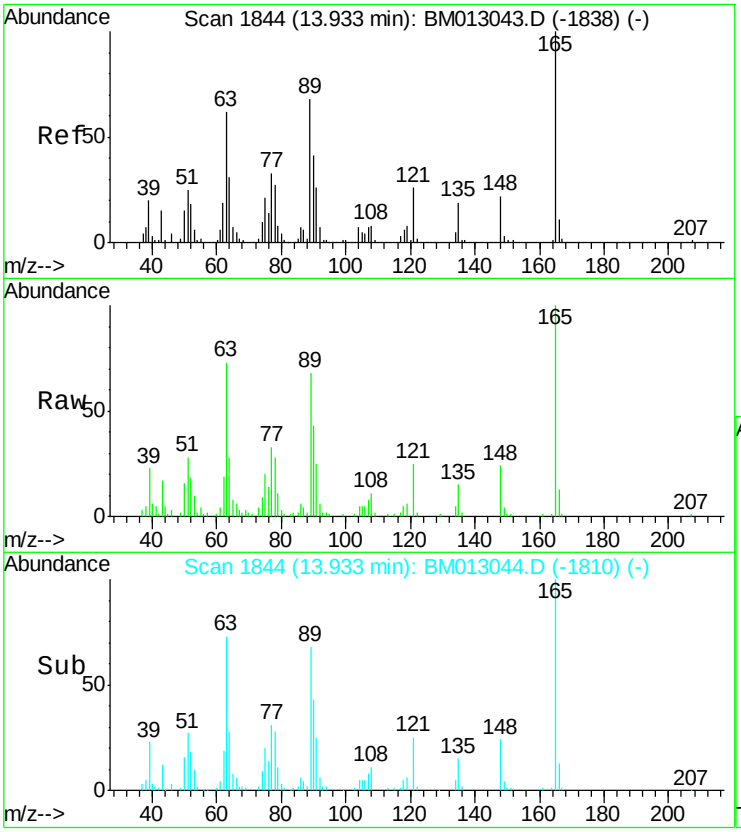


#41
2-Chloronaphthalene
Concen: 18.91 ng/ul
RT: 13.23 min Scan# 1724
Delta R.T. 0.01 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Tgt Ion:162 Resp: 515537

Ion	Ratio	Lower	Upper
162	100		
164	33.0	25.9	38.9
127	38.0	29.4	44.2



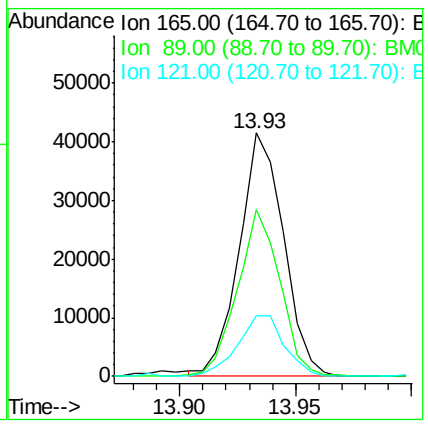


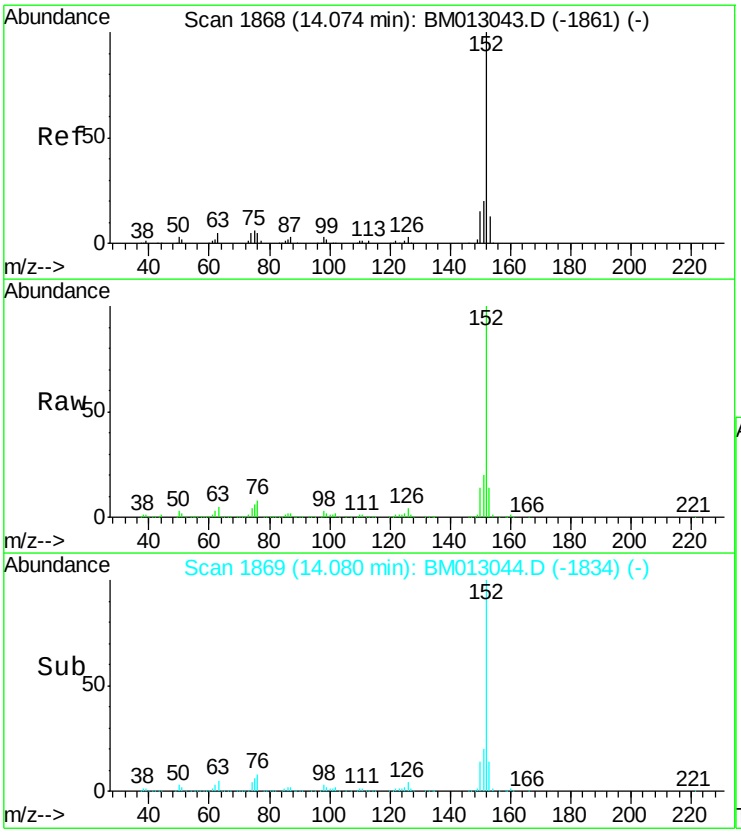
#45
2,6-Dinitrotoluene
Concen: 10.66 ng/ul
RT: 13.93 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Instrument :
BNA_M
ClientSampleId :
X2B47

Tgt Ion:165 Resp: 55711

Ion	Ratio	Lower	Upper
165	100		
89	68.4	52.6	79.0
121	24.9	14.6	22.0#

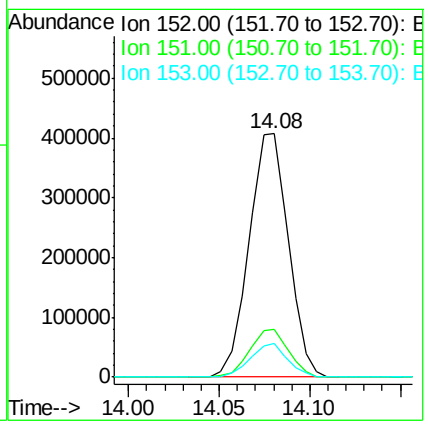


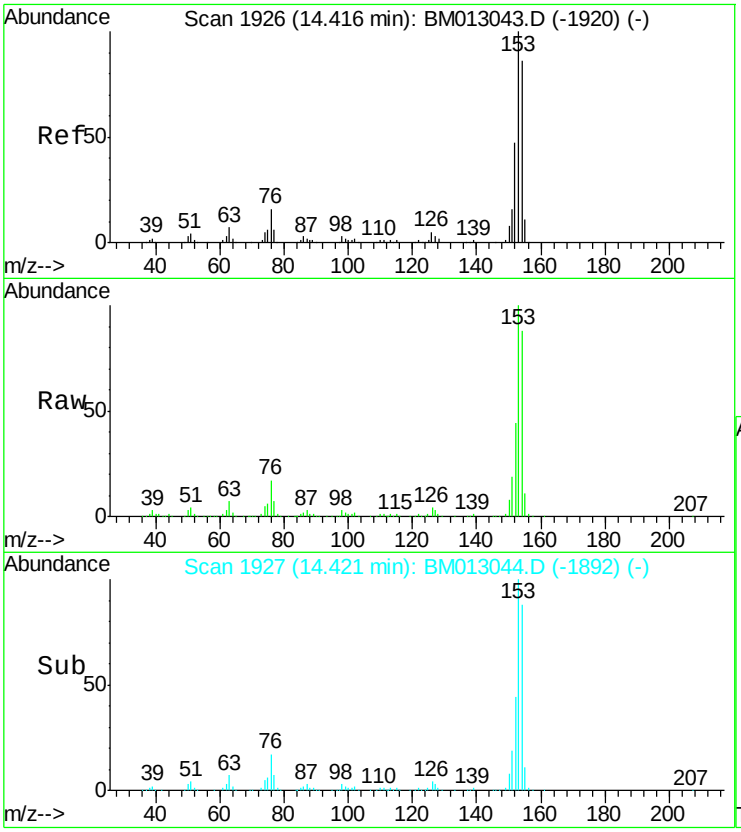


#47
Acenaphthylene
Concen: 14.61 ng/ul
RT: 14.08 min Scan# 1869
Delta R.T. 0.01 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Tgt Ion:152 Resp: 614092

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.3	24.5
153	13.7	10.2	15.4



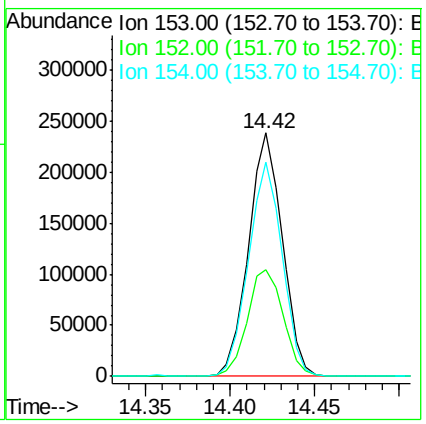


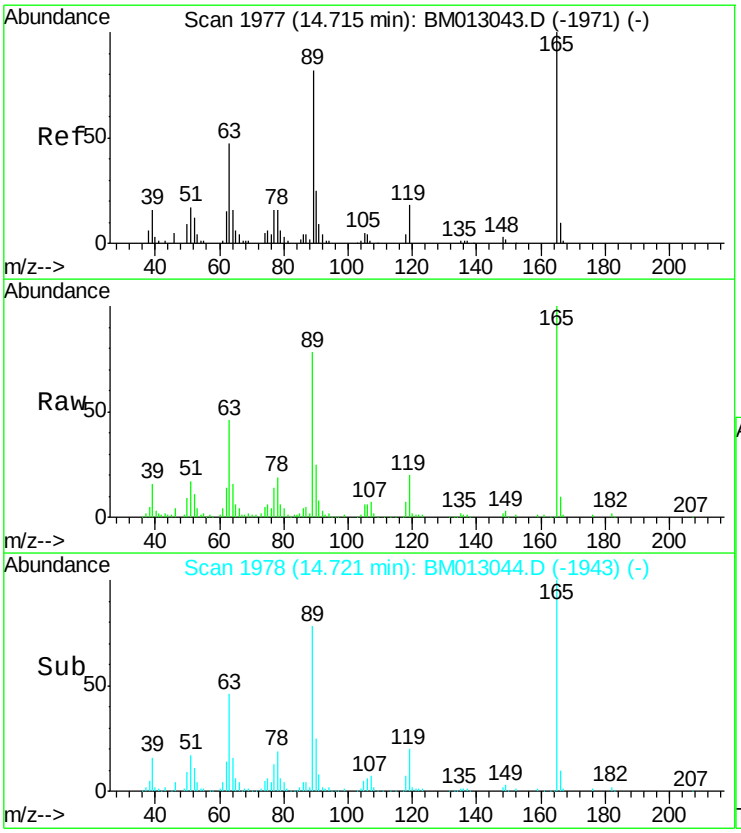
#49
Acenaphthene
Concen: 11.81 ng/ul
RT: 14.42 min Scan# 1927
Delta R.T. 0.01 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Instrument :
BNA_M
ClientSampleId :
X2B47

Tgt Ion:153 Resp: 333540

Ion	Ratio	Lower	Upper
153	100		
152	43.8	37.6	56.4
154	88.1	70.4	105.6

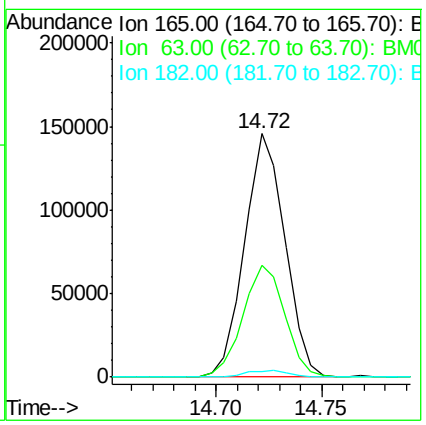


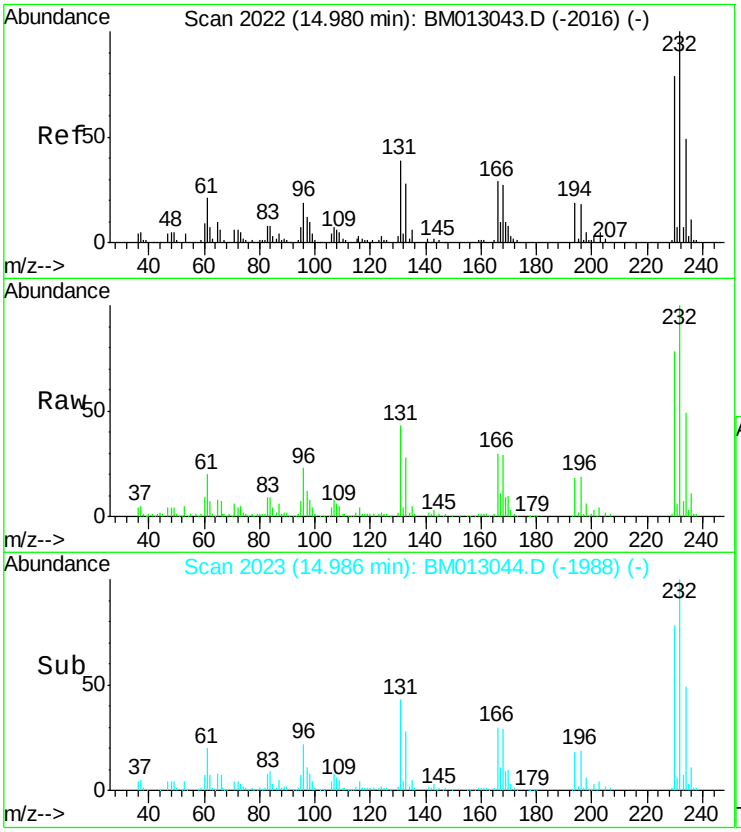


#54
2,4-Dinitrotoluene
Concen: 26.49 ng/ul
RT: 14.72 min Scan# 1978
Delta R.T. 0.01 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Tgt Ion:165 Resp: 193672

Ion	Ratio	Lower	Upper
165	100		
63	46.0	45.8	68.8
182	2.2	2.6	4.0#



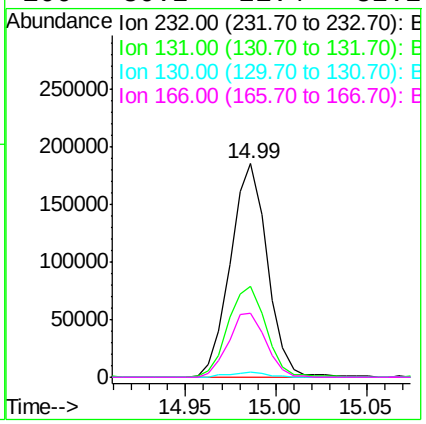


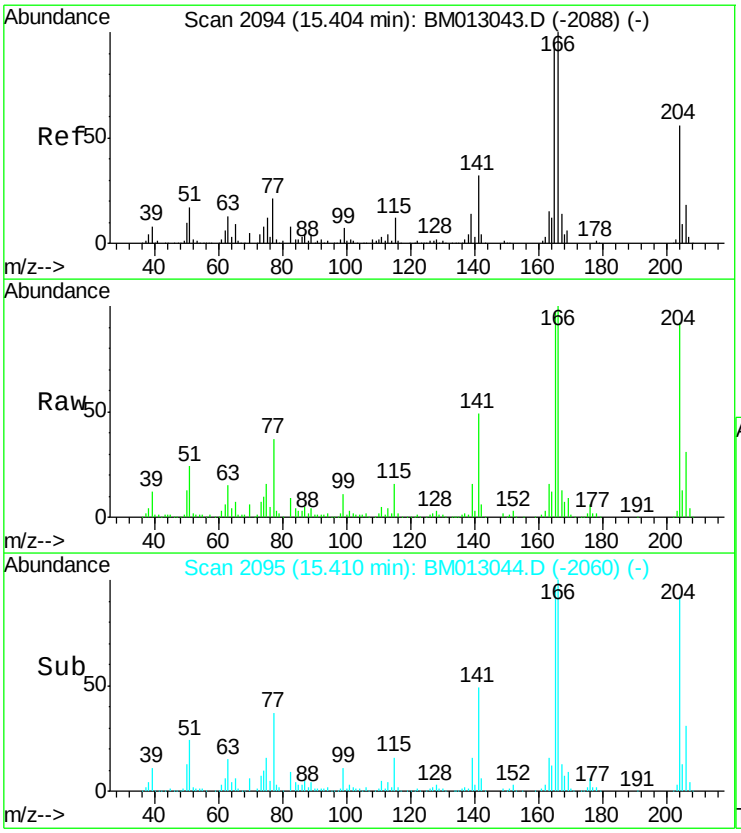
#55
2,3,4,6-Tetrachlorophenol
Concen: 33.49 ng/ul
RT: 14.99 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Instrument :
BNA_M
ClientSampleId :
X2B47

Tgt Ion:232 Resp: 262512

Ion	Ratio	Lower	Upper
232	100		
131	42.9	29.0	43.4
130	2.5	2.0	3.0
166	30.2	21.4	32.2

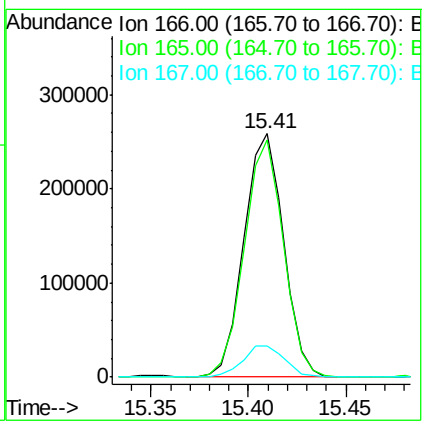


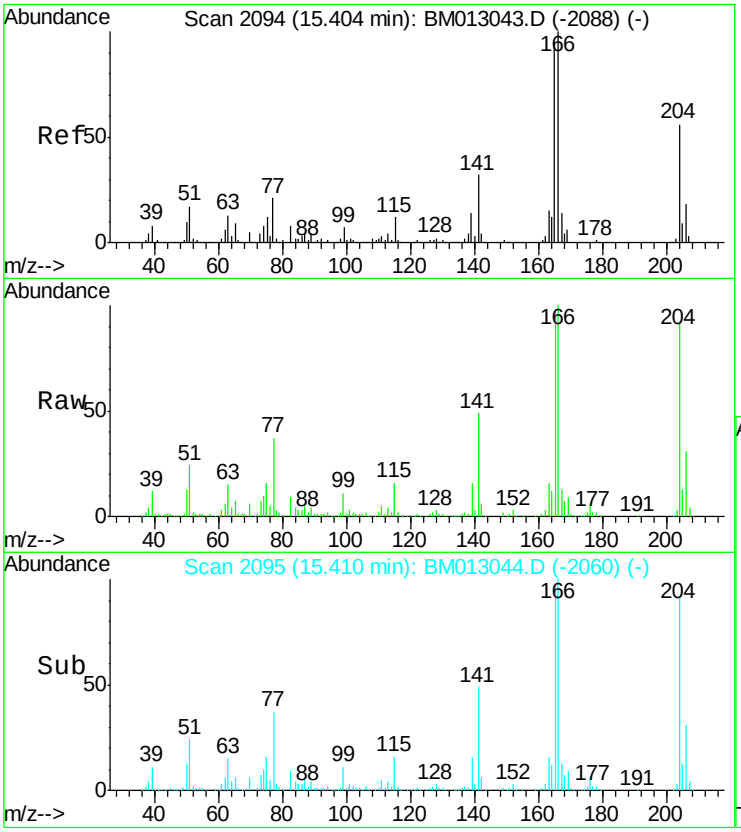


#58
Fluorene
Concen: 10.93 ng/ul
RT: 15.41 min Scan# 2095
Delta R.T. 0.01 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Tgt Ion:166 Resp: 364308

Ion	Ratio	Lower	Upper
166	100		
165	97.3	77.9	116.9
167	12.9	10.6	16.0



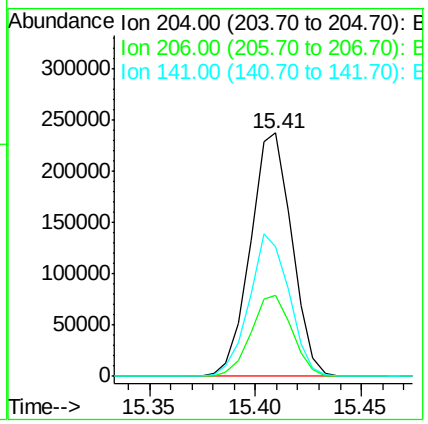


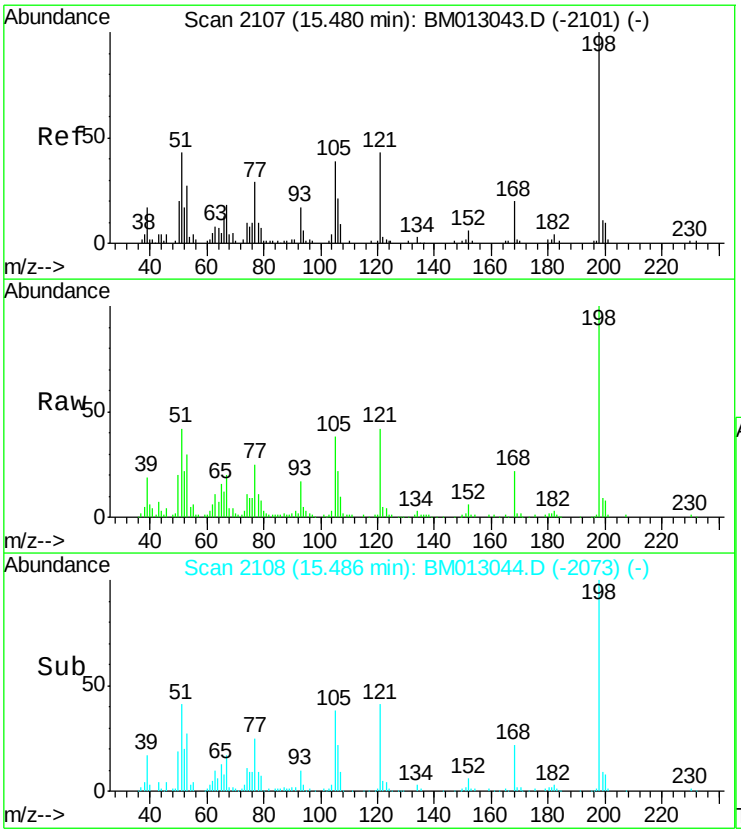
#59
4-Chlorophenyl-phenylether
Concen: 18.37 ng/ul
RT: 15.41 min Scan# 2095
Delta R.T. 0.01 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Instrument :
BNA_M
ClientSampleId :
X2B47

Tgt Ion:204 Resp: 323520

Ion	Ratio	Lower	Upper
204	100		
206	33.5	24.8	37.2
141	53.5	44.3	66.5

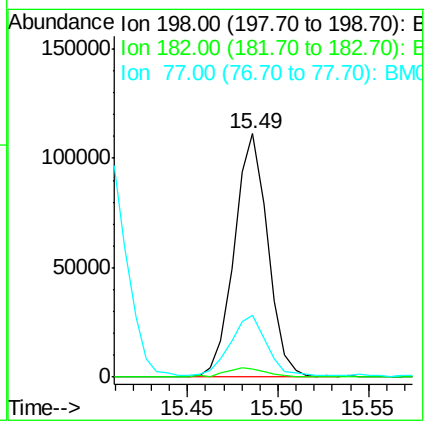


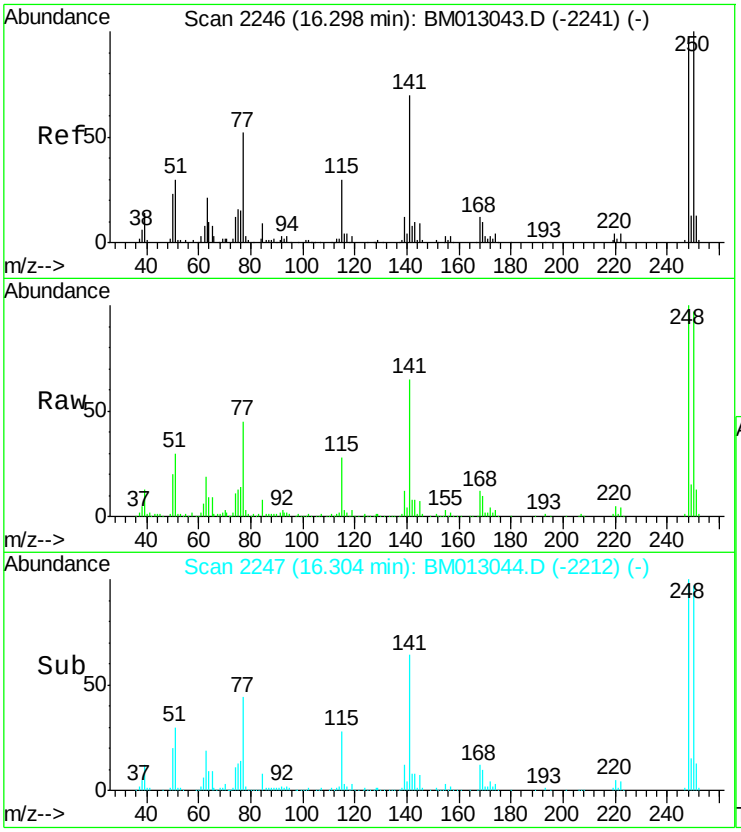


#63
4,6-Dinitro-2-methylphenol
Concen: 36.47 ng/ul
RT: 15.49 min Scan# 2108
Delta R.T. 0.01 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Tgt Ion:198 Resp: 143179

Ion	Ratio	Lower	Upper
198	100		
182	3.3	3.8	5.6#
77	25.4	25.2	37.8



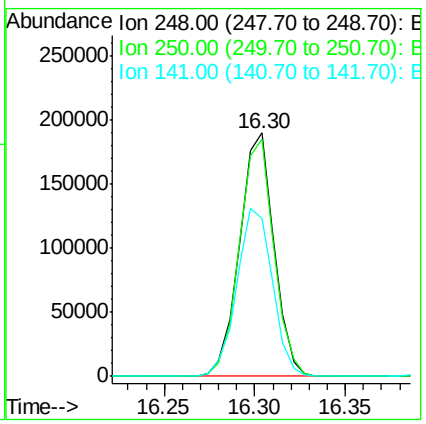


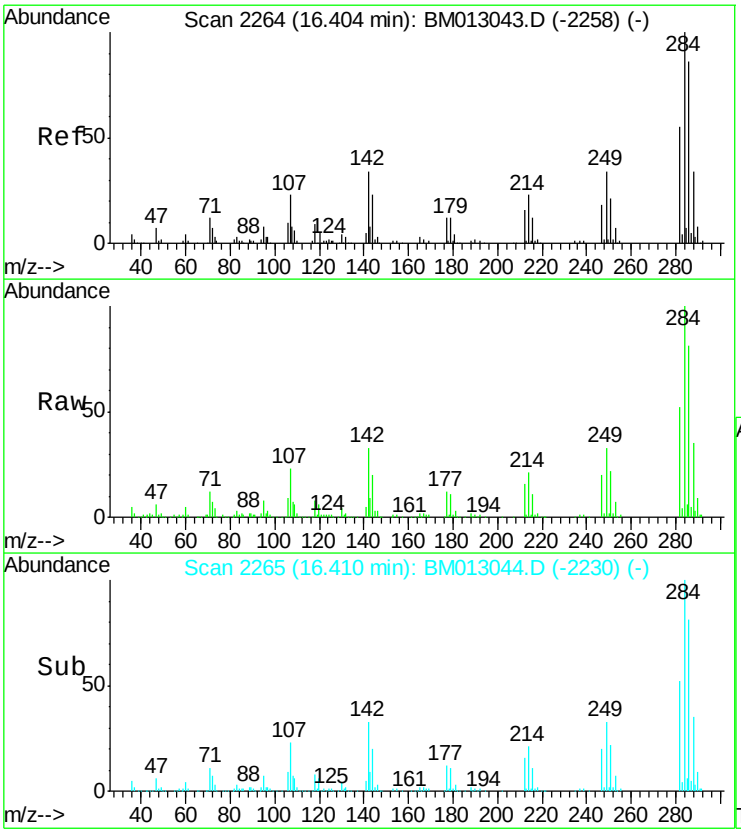
#65
4-Bromophenyl-phenylether
Concen: 24.80 ng/ul
RT: 16.30 min Scan# 2247
Delta R.T. 0.01 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Instrument :
BNA_M
ClientSampleId :
X2B47

Tgt Ion:248 Resp: 250434

Ion	Ratio	Lower	Upper
248	100		
250	97.5	80.5	120.7
141	64.8	53.6	80.4

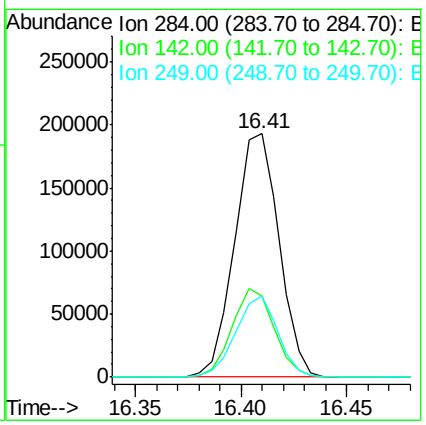


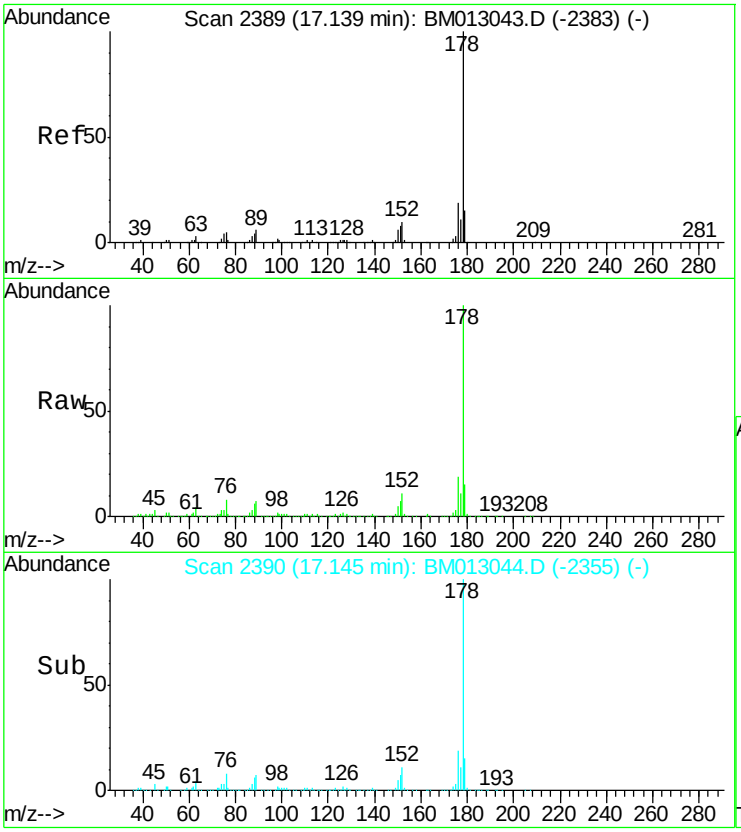


#66
Hexachlorobenzene
Concen: 25.89 ng/ul
RT: 16.41 min Scan# 2265
Delta R.T. 0.01 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Tgt Ion:284 Resp: 282128

Ion	Ratio	Lower	Upper
284	100		
142	33.3	21.2	31.8#
249	33.4	24.5	36.7



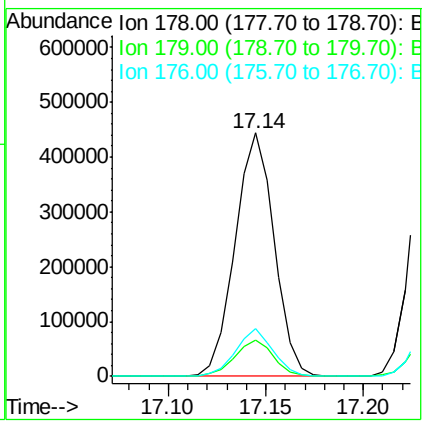


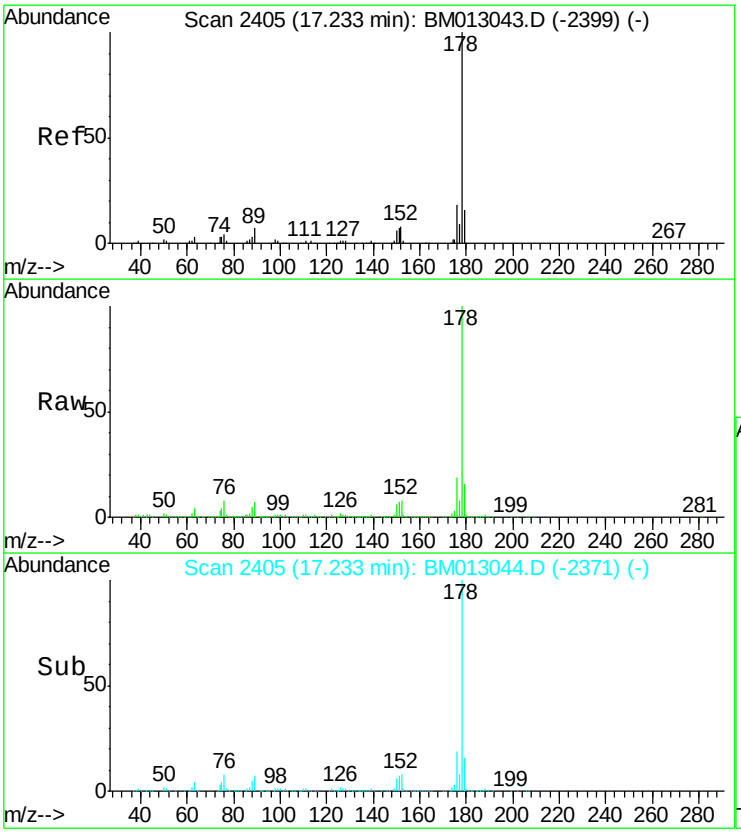
#69
Phenanthrene
Concen: 13.07 ng/ul
RT: 17.14 min Scan# 2390
Delta R.T. 0.01 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Instrument :
BNA_M
ClientSampleId :
X2B47

Tgt Ion:178 Resp: 613017

Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.6	19.0
176	19.4	14.9	22.3

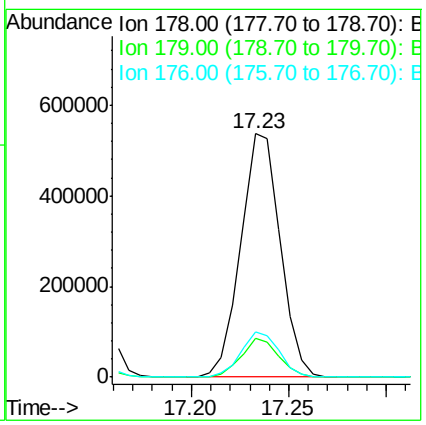


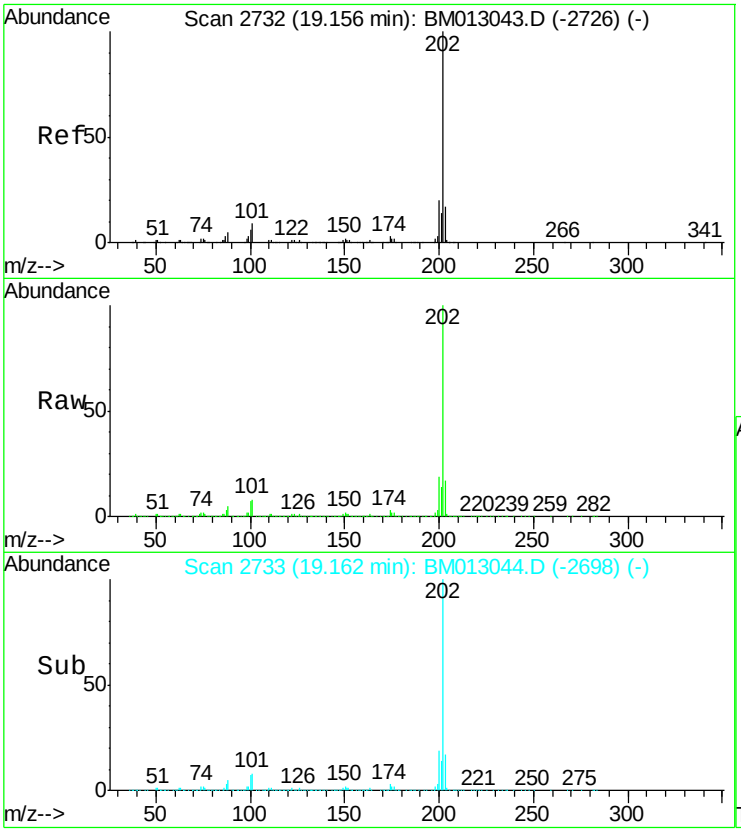


#71
Anthracene
Concen: 15.41 ng/ul
RT: 17.23 min Scan# 2405
Delta R.T. 0.00 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Tgt Ion:178 Resp: 749976

Ion	Ratio	Lower	Upper
178	100		
179	15.8	11.7	17.5
176	18.7	14.6	21.8



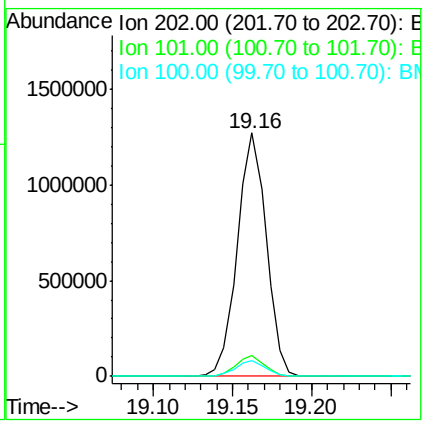


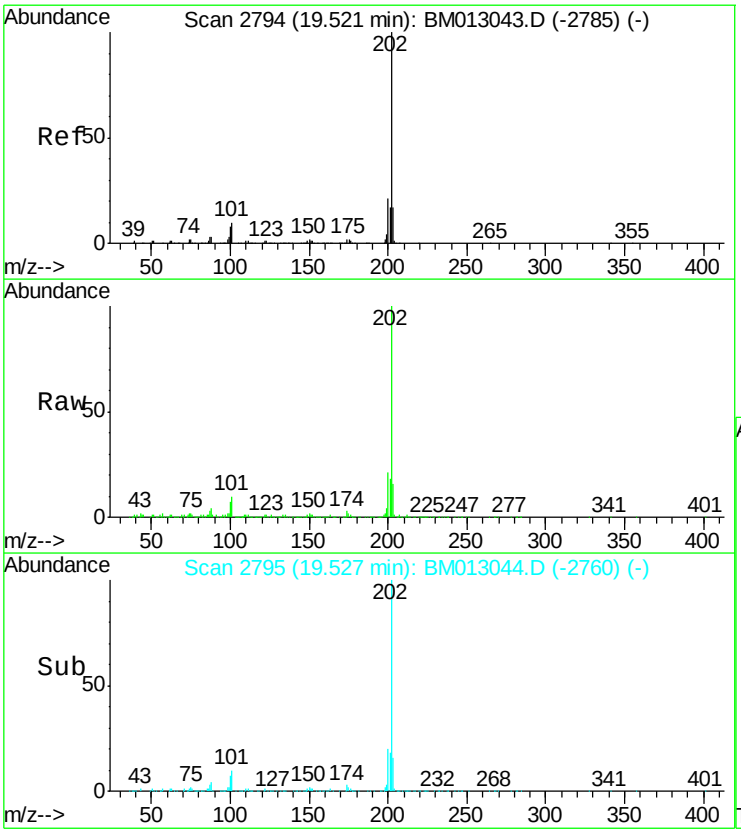
#74
Fluoranthene
Concen: 28.42 ng/ul
RT: 19.16 min Scan# 2733
Delta R.T. 0.01 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Instrument :
BNA_M
ClientSampleId :
X2B47

Tgt Ion:202 Resp: 1611071

Ion	Ratio	Lower	Upper
202	100		
101	8.5	4.6	7.0#
100	6.7	3.4	5.2#

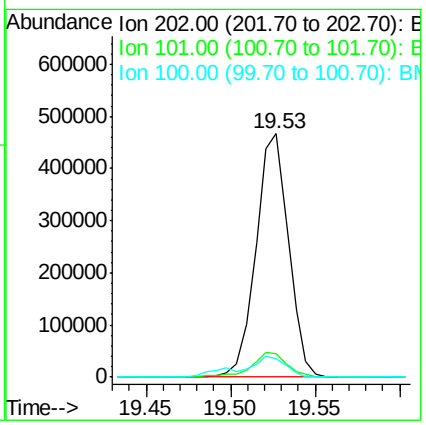


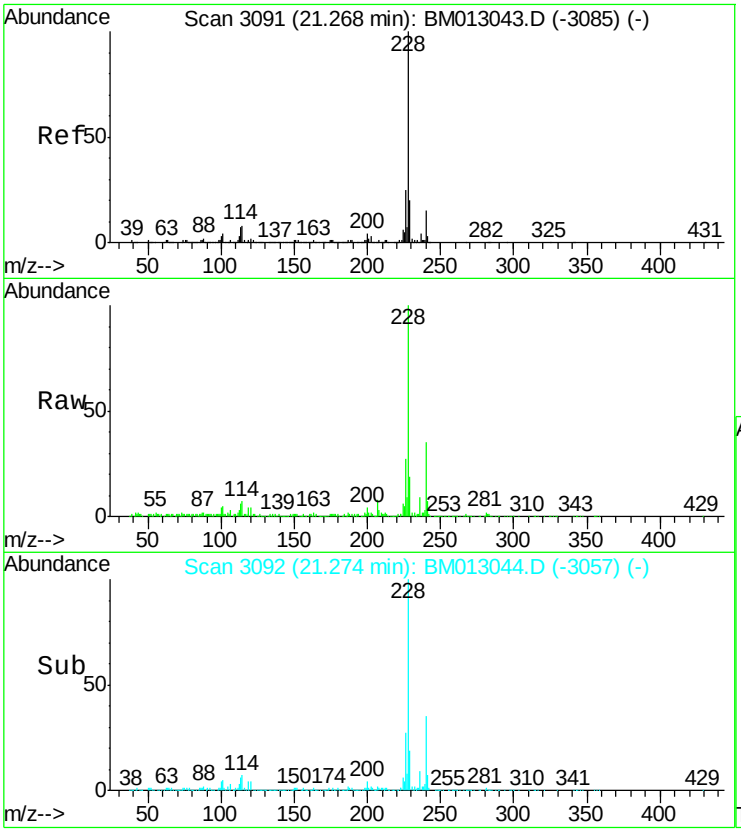


#77
Pyrene
Concen: 14.94 ng/ul
RT: 19.53 min Scan# 2795
Delta R.T. 0.01 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Tgt Ion:202 Resp: 625776

Ion	Ratio	Lower	Upper
202	100		
101	9.9	5.1	7.7#
100	7.4	4.9	7.3#



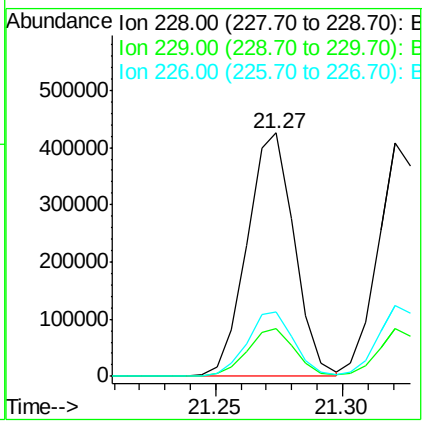


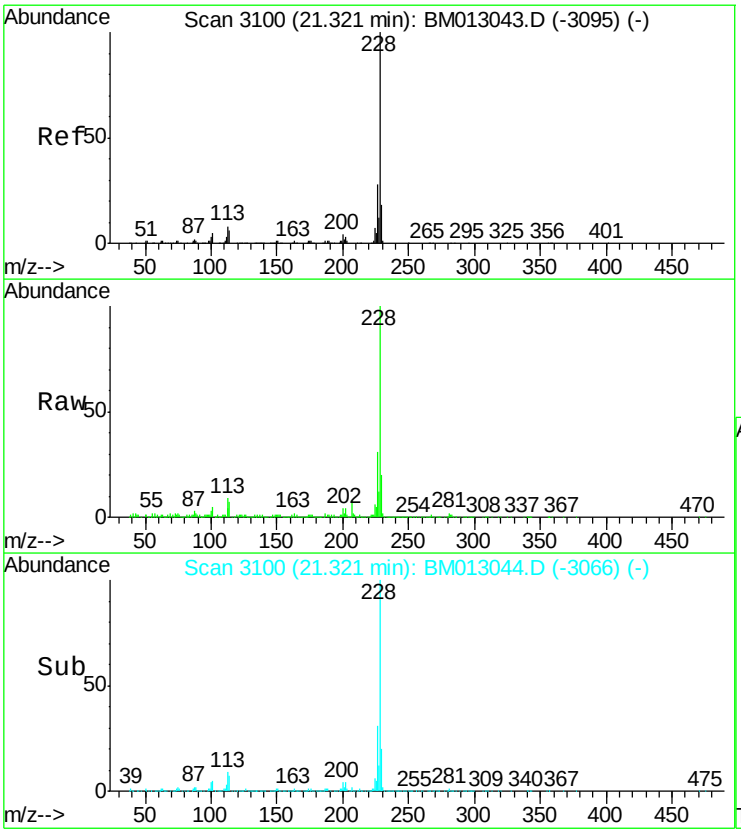
#80
Benzo(a)anthracene
Concen: 12.77 ng/ul
RT: 21.27 min Scan# 3092
Delta R.T. 0.01 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Instrument :
BNA_M
ClientSampleId :
X2B47

Tgt Ion:228 Resp: 549652

Ion	Ratio	Lower	Upper
228	100		
229	19.4	15.4	23.0
226	26.6	21.4	32.0

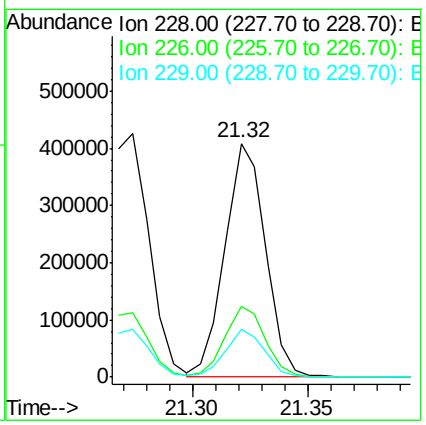


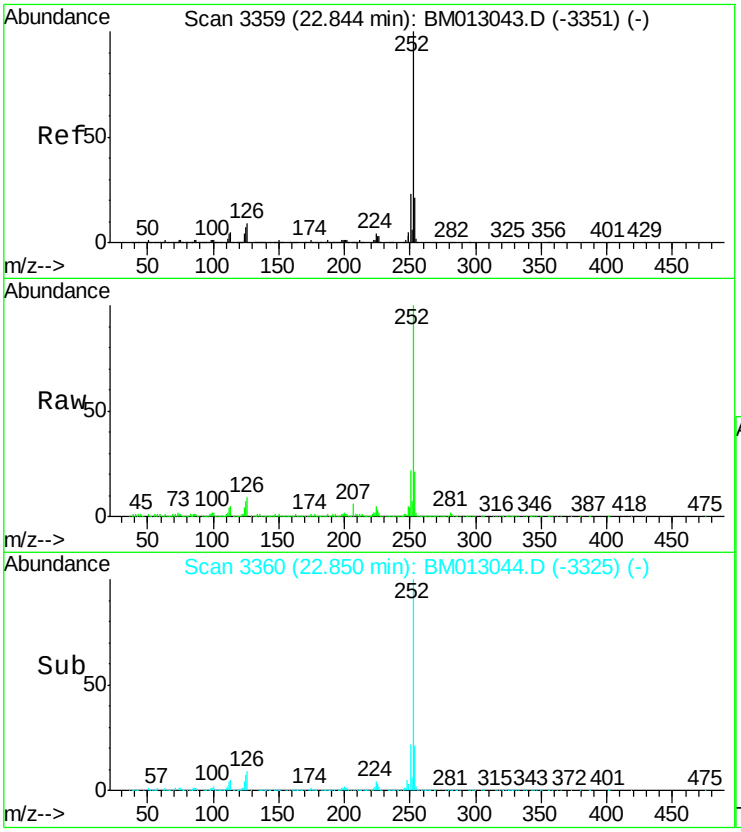


#82
Chrysene
Concen: 12.43 ng/ul
RT: 21.32 min Scan# 3100
Delta R.T. 0.00 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Tgt Ion:228 Resp: 496272

Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.4	35.2
229	20.3	15.5	23.3



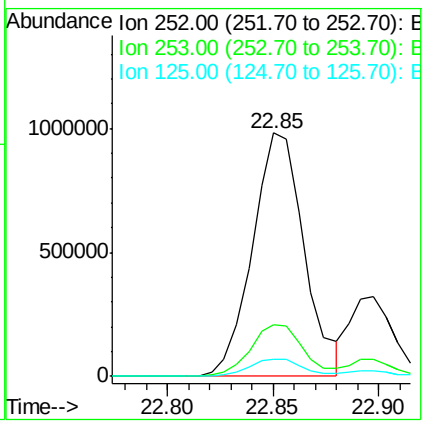


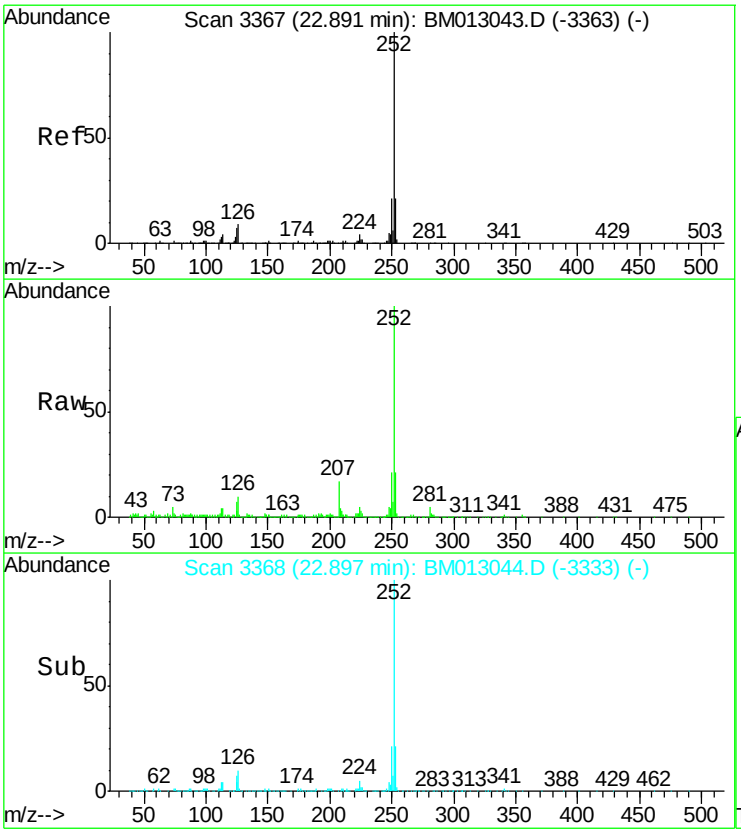
#85
Benzo(b)fluoranthene
Concen: 40.58 ng/ul
RT: 22.85 min Scan# 3360
Delta R.T. 0.01 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Instrument :
BNA_M
ClientSampleId :
X2B47

Tgt Ion:252 Resp: 1673692

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.9	26.9
125	7.2	3.6	5.4#

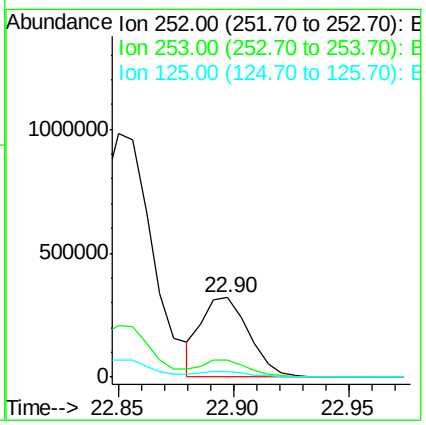


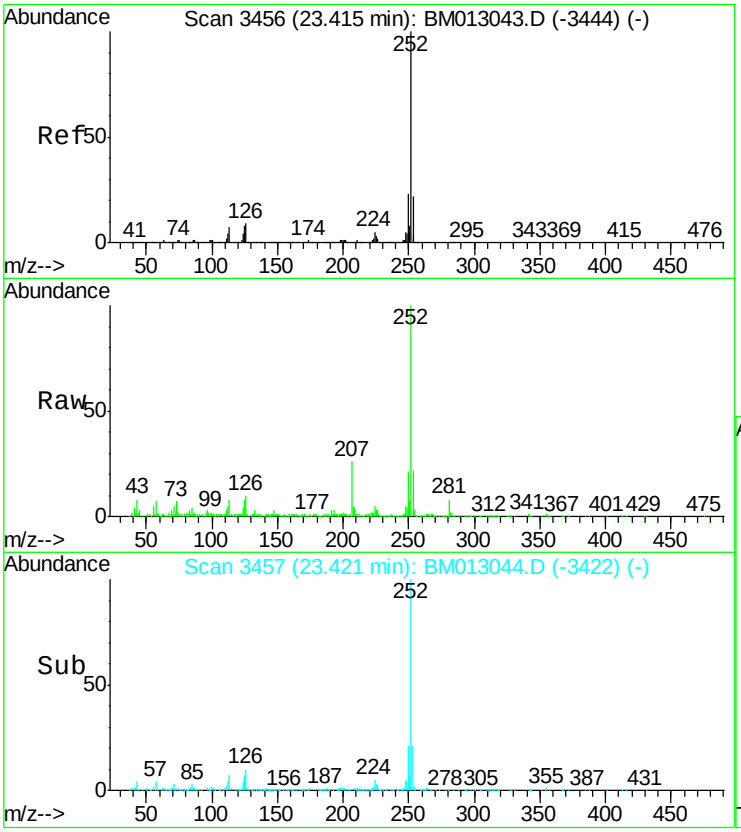


#86
Benzo(k)fluoranthene
Concen: 12.00 ng/ul
RT: 22.90 min Scan# 3368
Delta R.T. 0.01 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Tgt Ion:252 Resp: 455795

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.1	25.7
125	7.2	3.4	5.2#



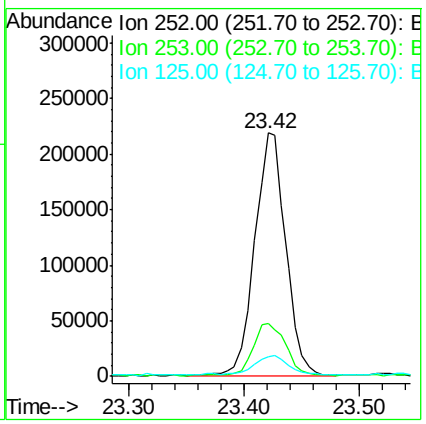


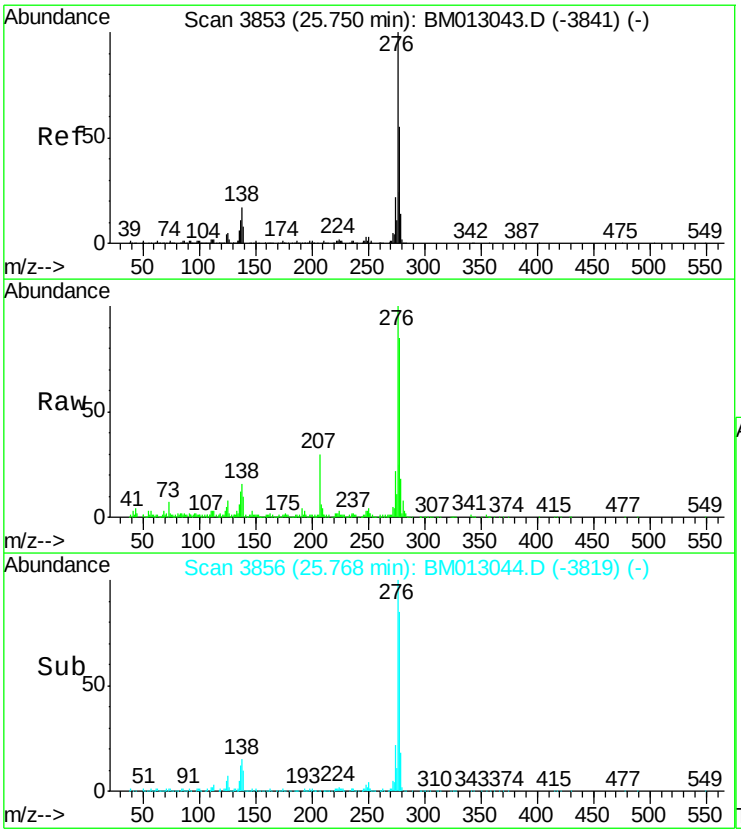
#88
Benzo(a)pyrene
Concen: 10.59 ng/ul
RT: 23.42 min Scan# 3457
Delta R.T. 0.01 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Instrument :
BNA_M
ClientSampleId :
X2B47

Tgt Ion:252 Resp: 406715

Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.2	27.2
125	7.9	4.0	6.0#

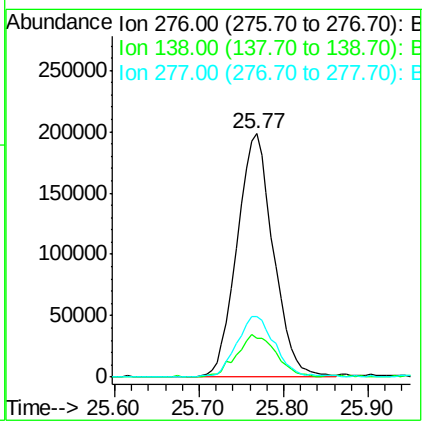


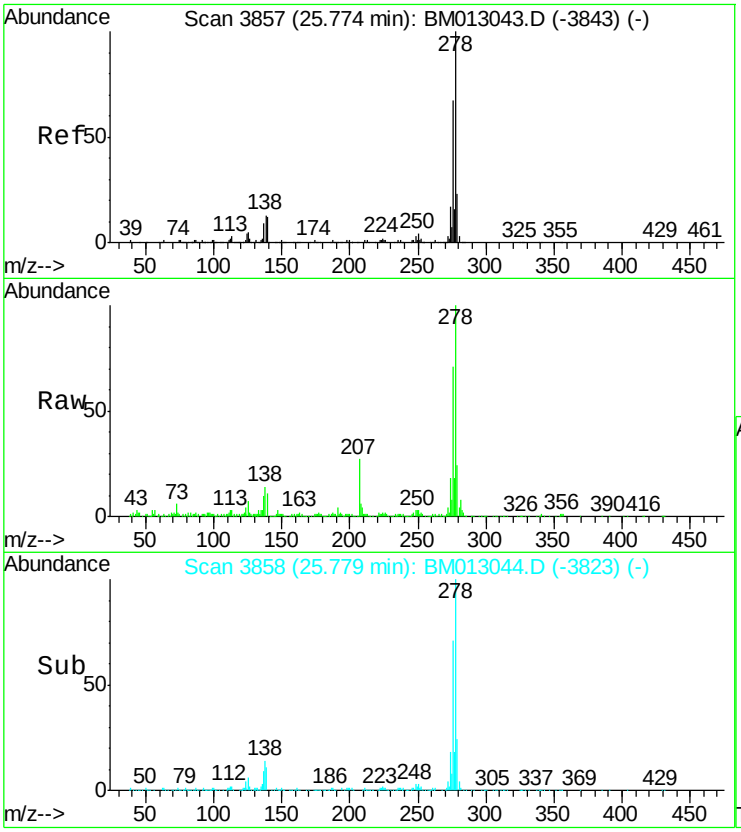


#89
Indeno(1,2,3-cd)pyrene
Concen: 13.14 ng/ul
RT: 25.77 min Scan# 3856
Delta R.T. 0.02 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Tgt Ion:276 Resp: 589335

Ion	Ratio	Lower	Upper
276	100		
138	15.8	9.3	13.9#
277	24.7	19.9	29.9



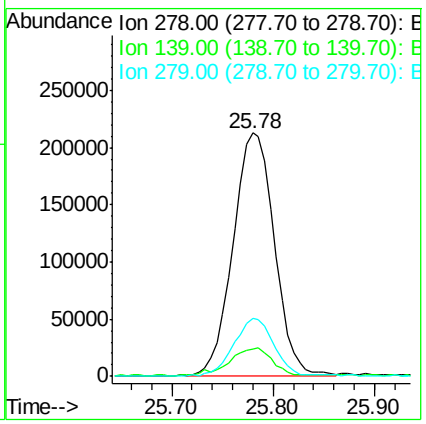


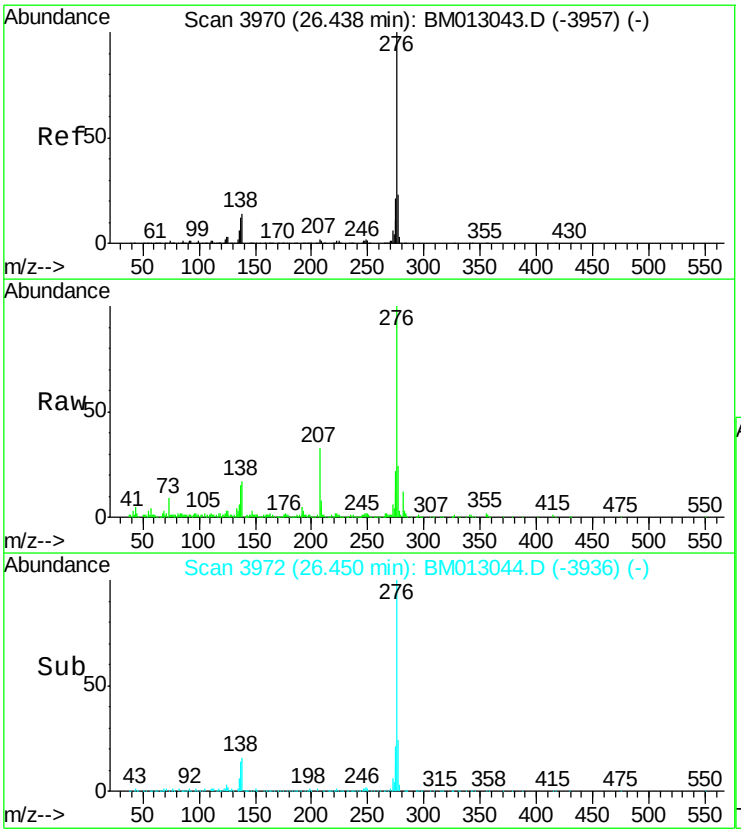
#90
Dibenzo(a,h)anthracene
Concen: 15.77 ng/ul
RT: 25.78 min Scan# 3858
Delta R.T. 0.01 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Instrument :
BNA_M
ClientSampleId :
X2B47

Tgt Ion:278 Resp: 599431

Ion	Ratio	Lower	Upper
278	100		
139	11.1	5.8	8.8#
279	23.8	18.6	27.8





#91
Benzo(g,h,i)perylene
Concen: 13.76 ng/ul
RT: 26.45 min Scan# 3972
Delta R.T. 0.01 min
Lab File: BM013044.D
Acq: 20 Nov 2017 13:18

Tgt Ion:276 Resp: 512903

Ion	Ratio	Lower	Upper
276	100		
138	16.6	8.5	12.7#
277	24.0	18.6	28.0