Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_B\DATA\BB101116\
Data File : BB058607.D
Acq On : 11 Oct 2016 16:01
Operator : UM/SJ
Sample : MDL-04-S
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_B
ClientSampleId :
MDL-04-S

Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

Quant Time: Oct 11 17:05:35 2016
Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 11 16:28:55 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.68	152	490843	20.00	ng/ul	0.00
18) Naphthalene-d8	11.64	136	1810873	20.00	ng/ul	0.02
35) Acenaphthene-d10	15.59	164	1043630	20.00	ng/ul	0.00
61) Phenanthrene-d10	18.44	188	1715061	20.00	ng/ul	0.00
75) Chrysene-d12	22.85	240	1892834	20.00	ng/ul	0.04
83) Perylene-d12	26.00	264	1504160	20.00	ng/ul	0.10
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.63	96	71233	6.57	ng/uL	0.00
5) Phenol-d5	7.81	99	1035883	29.05	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.95	67	700619	29.33	ng/ul	0.00
9) 2-Chlorophenol-d4	8.18	132	1178108	31.85	ng/ul	-0.02
13) 4-Methylphenol-d8	9.45	113	873359	29.59	ng/ul	0.00
19) Nitrobenzene-d5	9.89	128	590174	31.52	ng/ul	0.00
22) 2-Nitrophenol-d4	10.66	143	670457	33.28	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.24	165	909847	31.86	ng/ul	0.00
29) 4-Chloroaniline-d4	11.76	131	1197473	34.83	ng/ul	0.00
43) Dimethylphthalate-d6	14.97	166	2424455	34.94	ng/ul	0.00
46) Acenaphthylene-d8	15.28	160	2894672	35.37	ng/ul	0.02
51) 4-Nitrophenol-d4	15.78	143	454890	28.54	ng/ul	-0.02
57) Fluorene-d10	16.63	176	2070887	36.43	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	16.74	200	520270	28.57	ng/ul	0.00
70) Anthracene-d10	18.55	188	2751900m	35.88	ng/ul	0.02
76) Pyrene-d10	20.90	212	2969346	35.70	ng/ul	0.02
87) Benzo(a)pyrene-d12	25.79	264	2270145	33.05	ng/ul	0.10
Target Compounds						Qvalue
2) 1,4-Dioxane	3.67	88	7602	0.71	ng/uL#	51
4) Benzaldehyde	7.73	77	50415	2.20	ng/ul	94
6) Phenol	7.83	94	93187	2.64	ng/ul#	48
8) Bis(2-Chloroethyl)ether	8.04	93	84417	2.90	ng/ul#	88
10) 2-Chlorophenol	8.22	128	102971	2.92	ng/ul#	91
11) 2-Methylphenol	9.16	108	78935	2.78	ng/ul	95
12) 2,2'-oxybis(1-Chloropropan	9.25	45	136903	2.67	ng/ul#	92
14) Acetophenone	9.54	105	119123	2.76	ng/ul#	85
15) N-Nitroso-di-n-propylamine	9.54	70	67972	2.66	ng/ul#	55
16) 4-Methylphenol	9.51	108	79776	2.60	ng/ul	97
17) Hexachloroethane	9.83	117	46793	2.74	ng/ul#	68
20) Nitrobenzene	9.93	77	100967	2.87	ng/ul#	91
21) Isophorone	10.49	82	190711	2.81	ng/ul#	97
23) 2-Nitrophenol	10.70	139	64588	3.07	ng/ul#	89
24) 2,4-Dimethylphenol	10.78	107	100184	2.91	ng/ul	95
25) Bis(2-Chloroethoxy)methane	11.01	93	89242	2.73	ng/ul#	91
27) 2,4-Dichlorophenol	11.28	162	87837	3.07	ng/ul#	92
28) Naphthalene	11.68	128	272403	3.16	ng/ul	99
30) 4-Chloroaniline	11.78	127	103670	3.18	ng/ul	90
31) Hexachlorobutadiene	12.03	225	60144	3.08	ng/ul	99
32) Caprolactam	12.60	113	24406	2.35	ng/ul	95
33) 4-Chloro-3-methylphenol	12.95	107	83341	2.92	ng/ul	95
34) 2-Methylnaphthalene	13.34	142	183655	3.09	ng/ul	96

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_B\DATA\BB101116\
Data File : BB058607.D
Acq On : 11 Oct 2016 16:01
Operator : UM/SJ
Sample : MDL-04-S
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_B
ClientSampleId :
MDL-04-S

Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

Quant Time: Oct 11 17:05:35 2016
Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 11 16:28:55 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.74	216	103023	3.21	ng/ul	96
37) Hexachlorocyclopentadiene	13.74	237	41799	2.07	ng/ul	97
38) 2,4,6-Trichlorophenol	13.97	196	62802	3.23	ng/ul	97
39) 2,4,5-Trichlorophenol	14.05	196	63168	3.06	ng/ul	97
40) 1,1'-Biphenyl	14.38	154	222785	3.18	ng/ul	99
41) 2-Chloronaphthalene	14.41	162	171958	3.08	ng/ul	95
42) 2-Nitroaniline	14.61	65	56230	2.63	ng/ul#	91
44) Dimethylphthalate	15.01	163	224980	3.24	ng/ul#	98
45) 2,6-Dinitrotoluene	15.13	165	53676	3.06	ng/ul	91
47) Acenaphthylene	15.30	152	279312	3.52	ng/ul	98
48) 3-Nitroaniline	14.61	138	63215	2.76	ng/ul#	42
49) Acenaphthene	15.65	153	169543	3.11	ng/ul	95
50) 2,4-Dinitrophenol	15.69	184	18840	1.51	ng/ul#	87
52) 4-Nitrophenol	15.80	109	37996	2.93	ng/ul	83
53) Dibenzofuran	15.99	168	251290	3.24	ng/ul	88
54) 2,4-Dinitrotoluene	15.94	165	70416	2.88	ng/ul#	58
55) 2,3,4,6-Tetrachlorophenol	16.24	232	56622	3.13	ng/ul#	86
56) Diethylphthalate	16.44	149	247068	3.43	ng/ul	95
58) Fluorene	16.69	166	186723	2.96	ng/ul	93
59) 4-Chlorophenyl-phenylether	16.67	204	108365	3.19	ng/ul	99
60) 4-Nitroaniline	16.67	138	28523	1.58	ng/ul	87
63) 4,6-Dinitro-2-methylphenol	16.74	198	45250	2.49	ng/ul#	1
64) N-Nitrosodiphenylamine	16.88	169	174181	3.15	ng/ul	92
65) 4-Bromophenyl-phenylether	17.59	248	67397	3.07	ng/ul	92
66) Hexachlorobenzene	17.75	284	66780	3.03	ng/ul#	73
67) Atrazine	17.86	200	58365	2.77	ng/ul#	89
68) Pentachlorophenol	18.09	266	34324	2.20	ng/ul	96
69) Phenanthrene	18.50	178	275360	3.22	ng/ul	98
71) Anthracene	18.59	178	280079	3.21	ng/ul	100
72) Carbazole	18.84	167	237632	3.26	ng/ul#	96
73) Di-n-butylphthalate	19.44	149	416546	3.50	ng/ul	98
74) Fluoranthene	20.56	202	311452	3.58	ng/ul#	92
77) Pyrene	20.92	202	340370	3.44	ng/ul	100
78) Butylbenzylphthalate	21.83	149	175669	2.74	ng/ul#	93
79) 3,3'-Dichlorobenzidine	22.73	252	61447	1.84	ng/ul	97
80) Benzo(a)anthracene	22.81	228	306189	3.18	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	22.73	149	251814	2.95	ng/ul#	96
82) Chrysene	22.89	228	274874	3.04	ng/ul	98
84) Di-n-octyl phthalate	22.73	149	252645m	3.23	ng/ul	
85) Benzo(b)fluoranthene	25.00	252	293000m	2.95	ng/ul	
86) Benzo(k)fluoranthene	25.06	252	221795	2.88	ng/ul#	97
88) Benzo(a)pyrene	25.85	252	230610	2.76	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	29.37	276	177430	2.43	ng/ul#	94
90) Dibenzo(a,h)anthracene	29.43	278	138469	2.29	ng/ul#	94
91) Benzo(g,h,i)perylene	30.41	276	146179	2.54	ng/ul	94

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

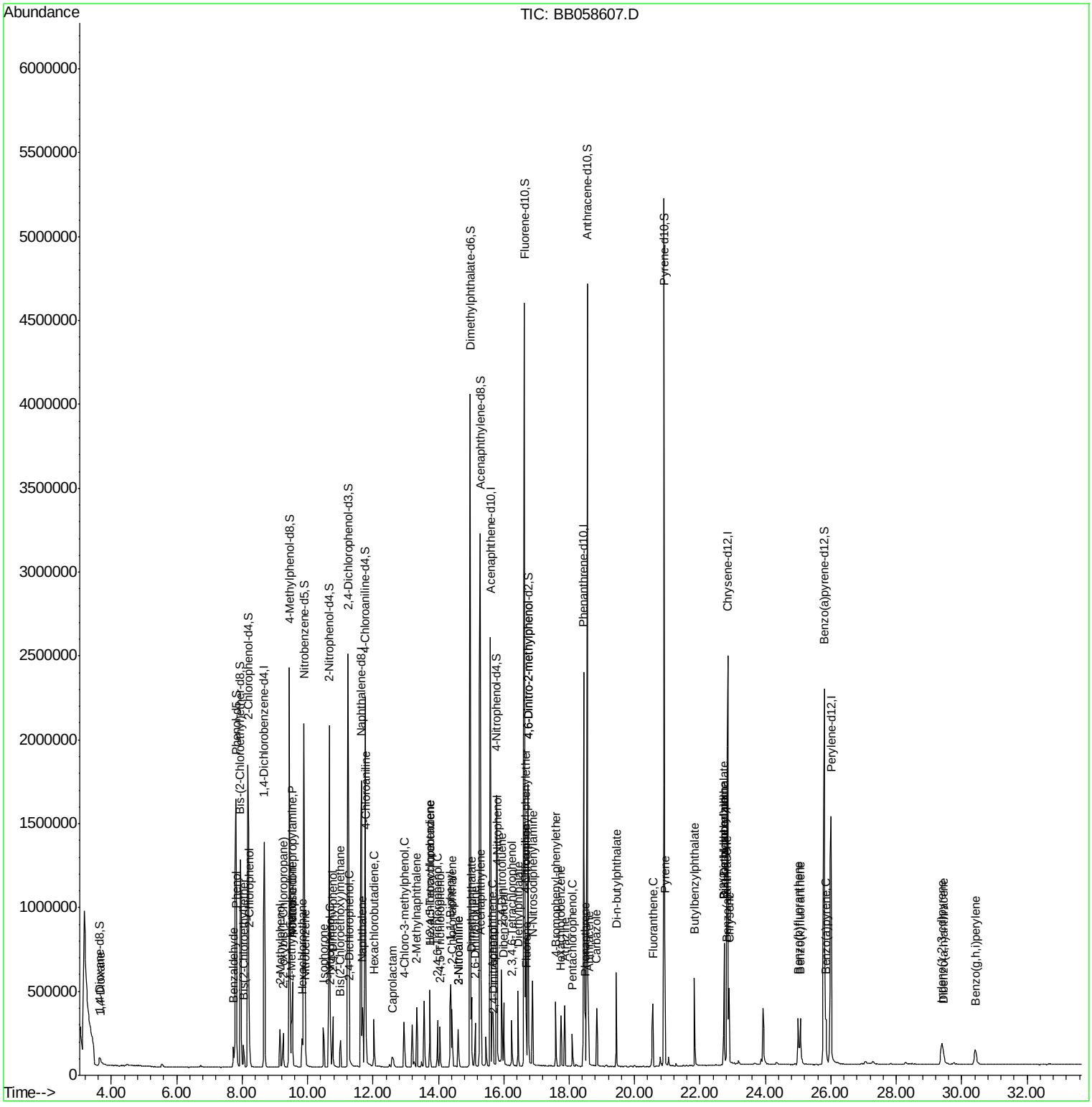
Quantitation Report (QT Reviewed)

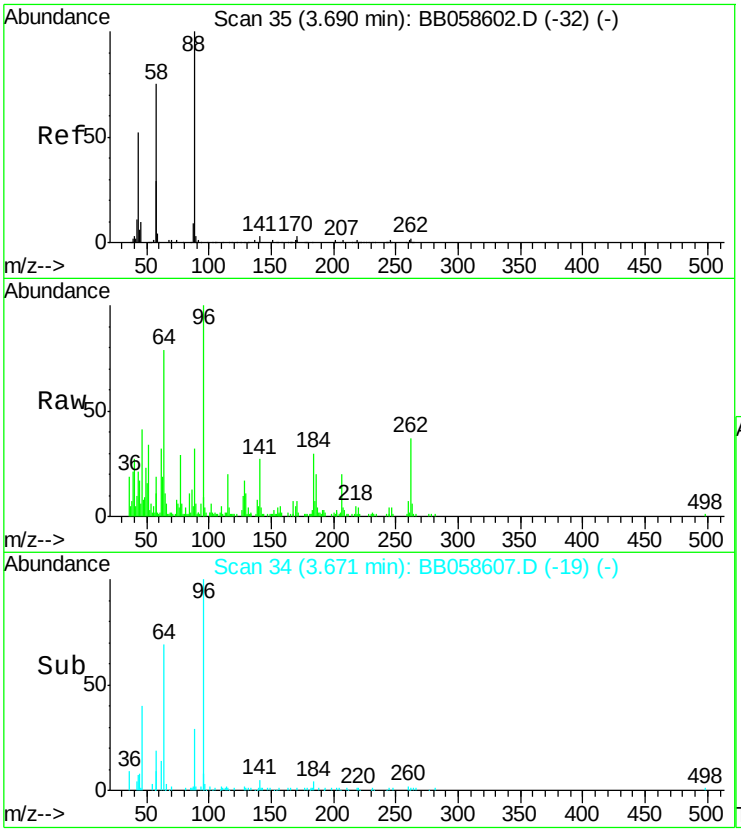
Data Path : Z:\HPCHEM1\BNA_B\DATA\BB101116\
Data File : BB058607.D
Acq On : 11 Oct 2016 16:01
Operator : UM/SJ
Sample : MDL-04-S
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 11 17:05:35 2016
Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 11 16:28:55 2016
Response via : Initial Calibration

Instrument :
BNA_B
ClientSampleId :
MDL-04-S

Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

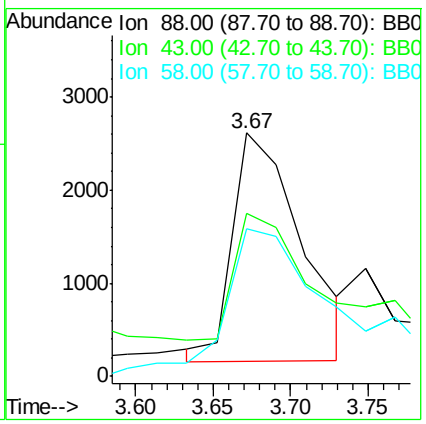




#2
1,4-Dioxane
Concen: 0.71 ng/uL
RT: 3.67 min Scan# 34
Delta R.T. -0.02 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

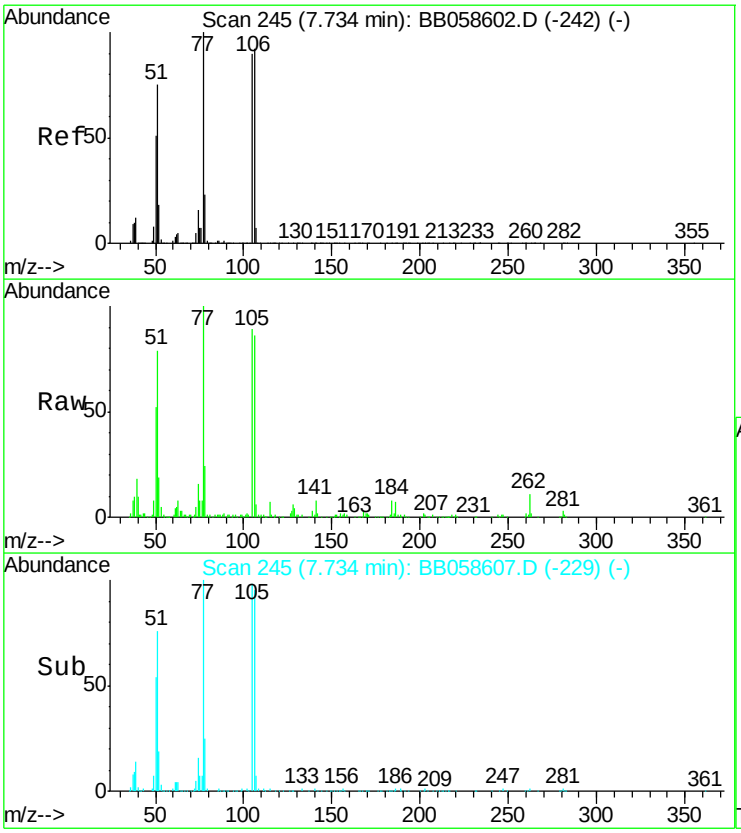
Tgt Ion: 88 Resp: 7602

Ion	Ratio	Lower	Upper
88	100		
43	63.2	22.6	34.0#
58	106.2	57.3	85.9#



Instrument :
BNA_B
ClientSampleId :
MDL-04-S

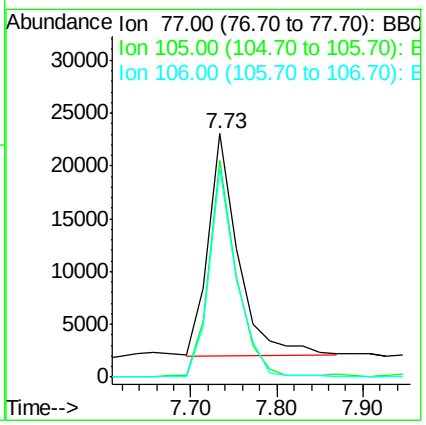
Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

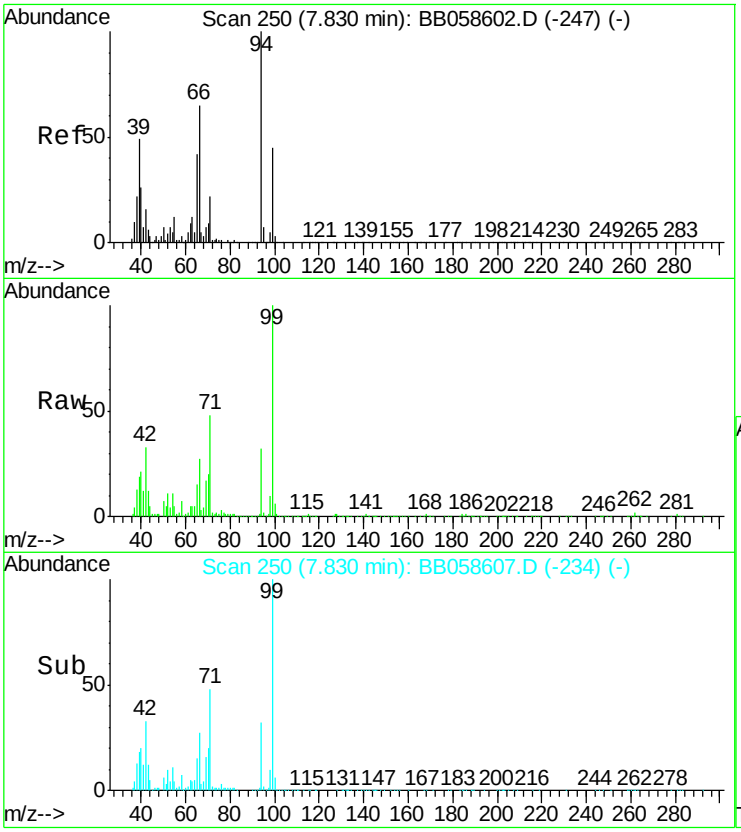


#4
Benzaldehyde
Concen: 2.20 ng/ul
RT: 7.73 min Scan# 245
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion: 77 Resp: 50415

Ion	Ratio	Lower	Upper
77	100		
105	89.1	76.9	115.3
106	85.6	71.8	107.8

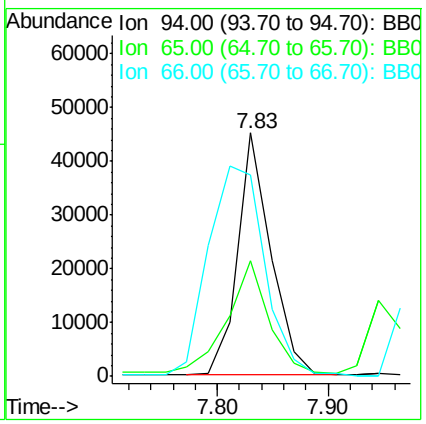




#6
Phenol
Concen: 2.64 ng/ul
RT: 7.83 min Scan# 250
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

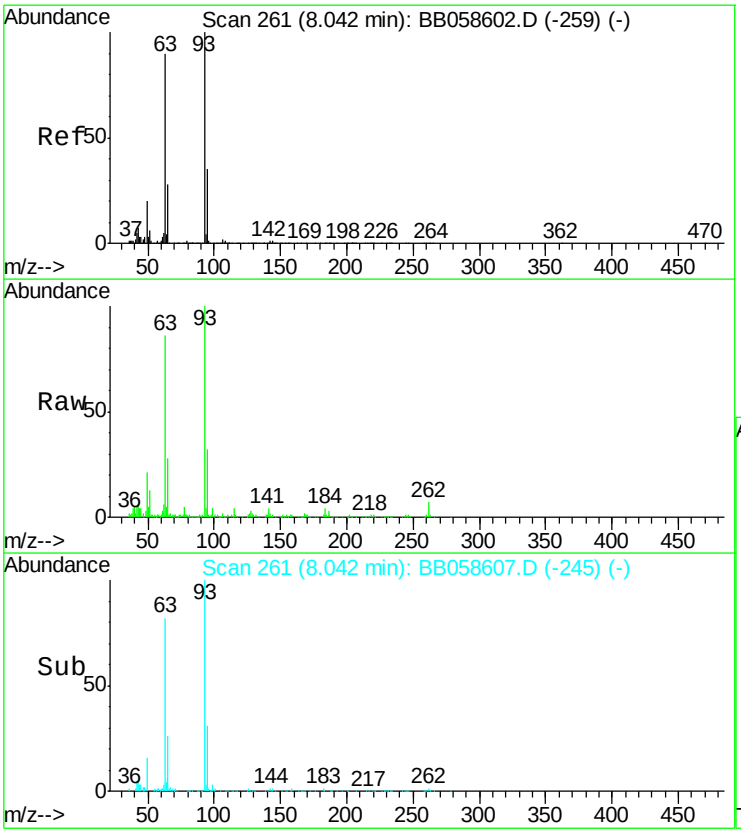
Tgt Ion: 94 Resp: 93187

Ion	Ratio	Lower	Upper
94	100		
65	47.7	23.9	35.9#
66	82.9	33.5	50.3#



Instrument :
BNA_B
ClientSampleId :
MDL-04-S

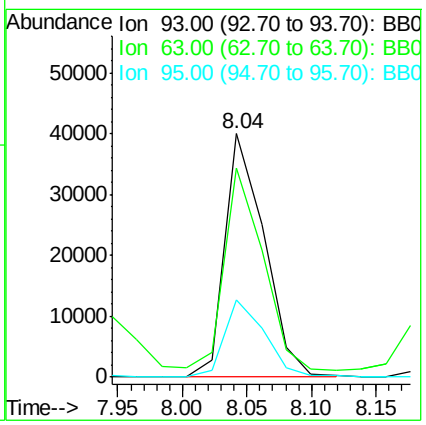
Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

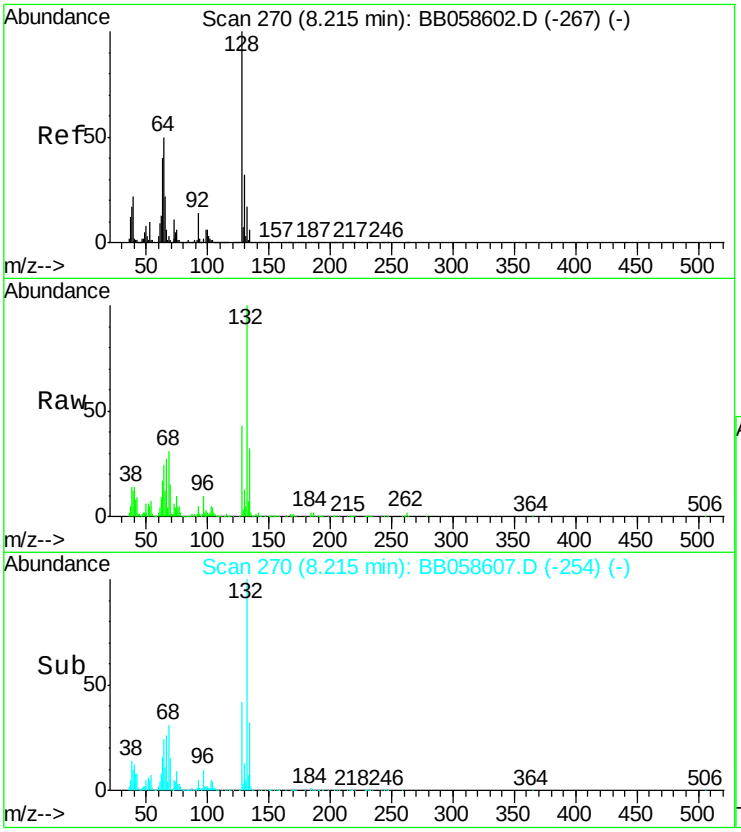


#8
Bis(2-Chloroethyl)ether
Concen: 2.90 ng/ul
RT: 8.04 min Scan# 261
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion: 93 Resp: 84417

Ion	Ratio	Lower	Upper
93	100		
63	86.1	57.3	85.9#
95	31.7	25.1	37.7

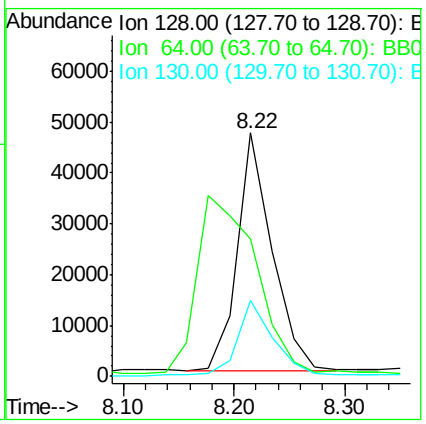




#10
2-Chlorophenol
Concen: 2.92 ng/ul
RT: 8.22 min Scan# 270
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

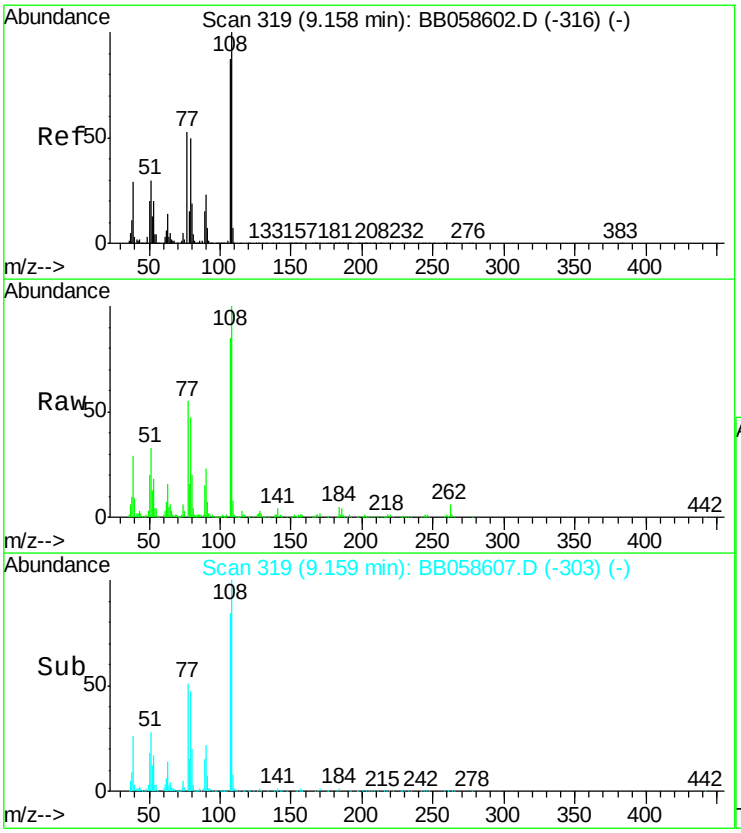
Tgt Ion:128 Resp: 102971

Ion	Ratio	Lower	Upper
128	100		
64	56.6	37.5	56.3#
130	31.3	25.0	37.4



Instrument :
BNA_B
ClientSampleId :
MDL-04-S

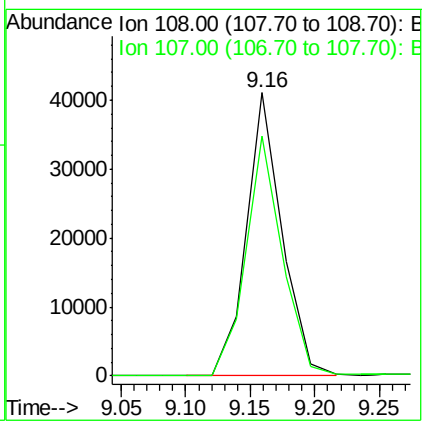
Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

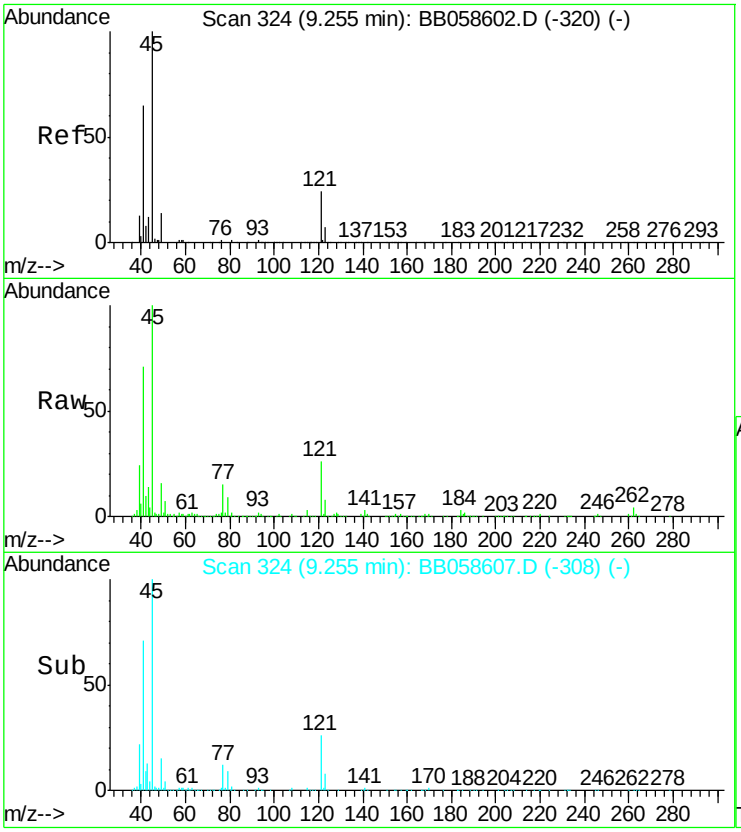


#11
2-Methylphenol
Concen: 2.78 ng/ul
RT: 9.16 min Scan# 319
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion:108 Resp: 78935

Ion	Ratio	Lower	Upper
108	100		
107	84.6	71.8	107.6





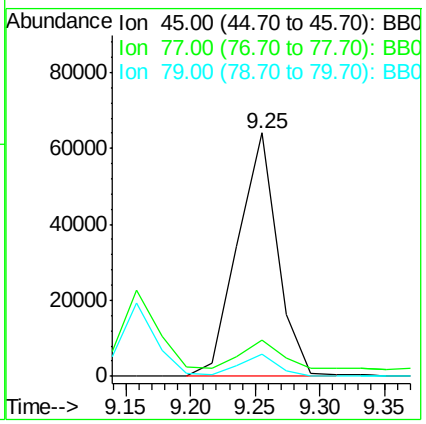
#12
2,2'-oxybis(1-Chloropropane)
Concen: 2.67 ng/ul
RT: 9.25 min Scan# 324
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

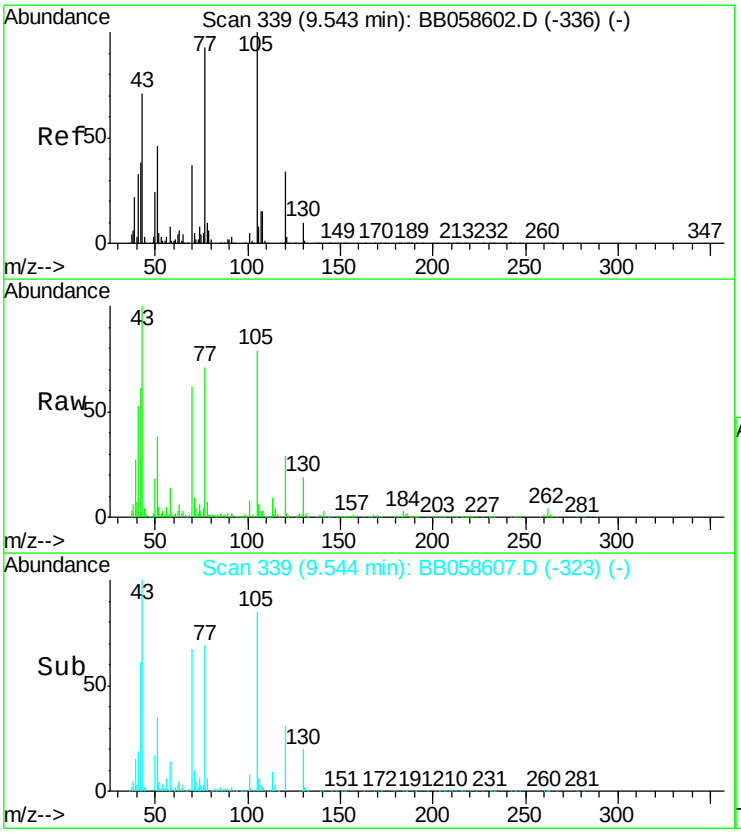
Tgt Ion: 45 Resp: 136903

Ion	Ratio	Lower	Upper
45	100		
77	15.1	14.1	21.1
79	8.9	10.4	15.6#

Instrument :
BNA_B
ClientSampleId :
MDL-04-S

Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

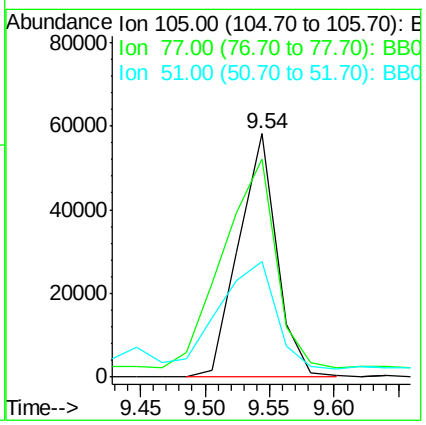


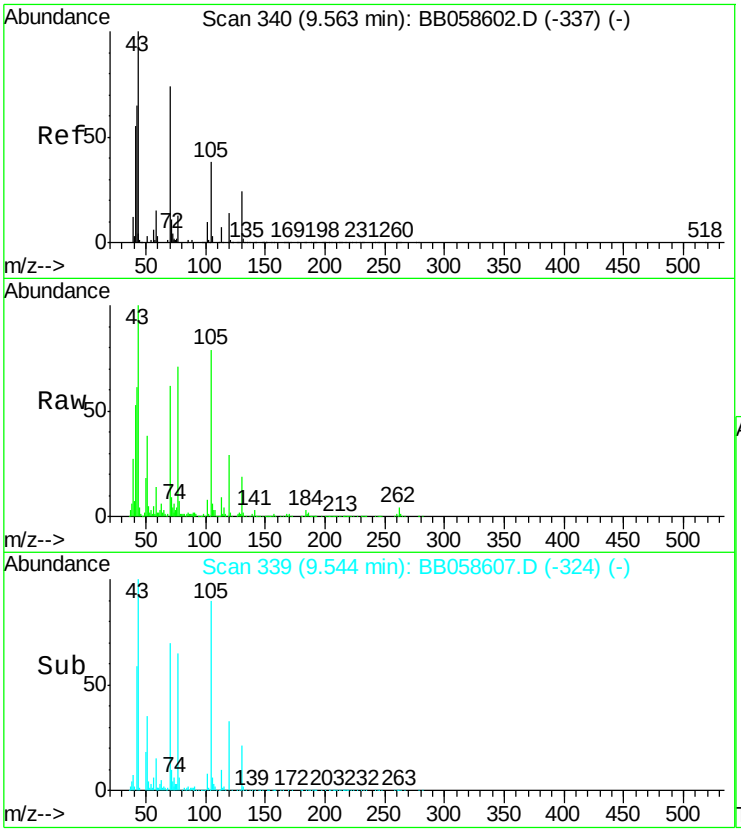


#14
Acetophenone
Concen: 2.76 ng/ul
RT: 9.54 min Scan# 339
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion:105 Resp: 119123

Ion	Ratio	Lower	Upper
105	100		
77	89.4	65.9	98.9
51	47.5	22.2	33.2#

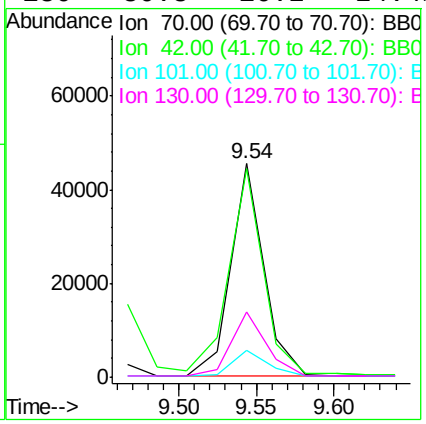




#15
N-Nitroso-di-n-propylamine
Concen: 2.66 ng/ul
RT: 9.54 min Scan# 339
Delta R.T. -0.02 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

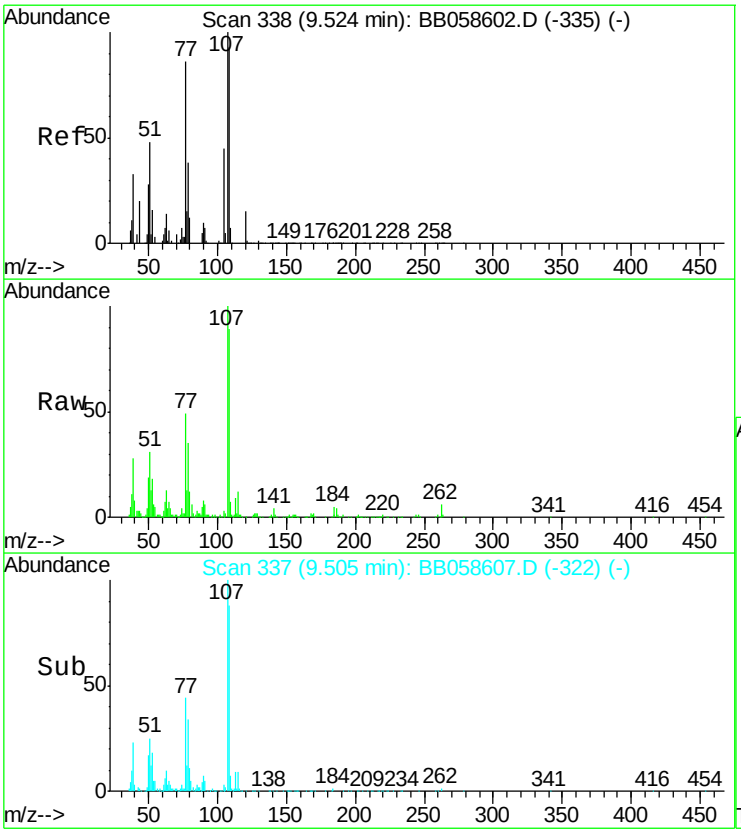
Tgt Ion: 70 Resp: 67972

Ion	Ratio	Lower	Upper
70	100		
42	97.8	43.4	65.2#
101	12.4	7.8	11.6#
130	30.8	16.2	24.4#



Instrument :
BNA_B
ClientSampleId :
MDL-04-S

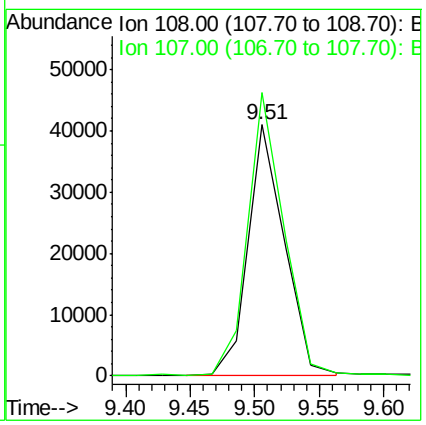
Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

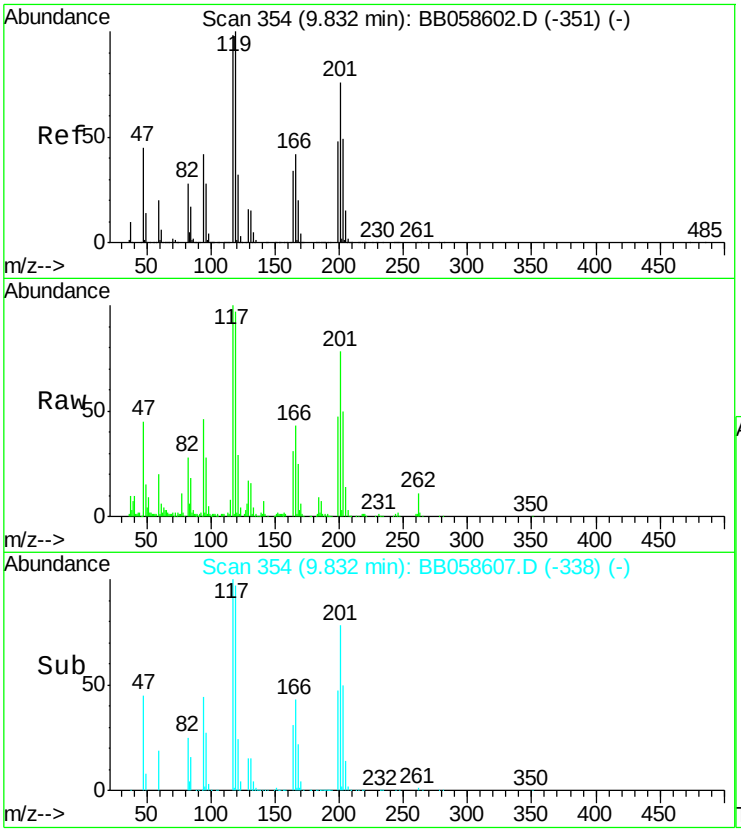


#16
4-Methylphenol
Concen: 2.60 ng/ul
RT: 9.51 min Scan# 337
Delta R.T. -0.02 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion:108 Resp: 79776

Ion	Ratio	Lower	Upper
108	100		
107	112.8	87.8	131.8

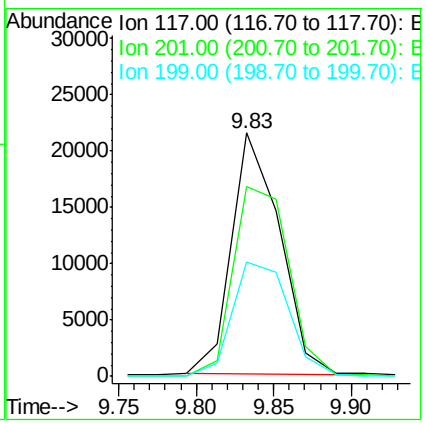




#17
Hexachloroethane
Concen: 2.74 ng/ul
RT: 9.83 min Scan# 354
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

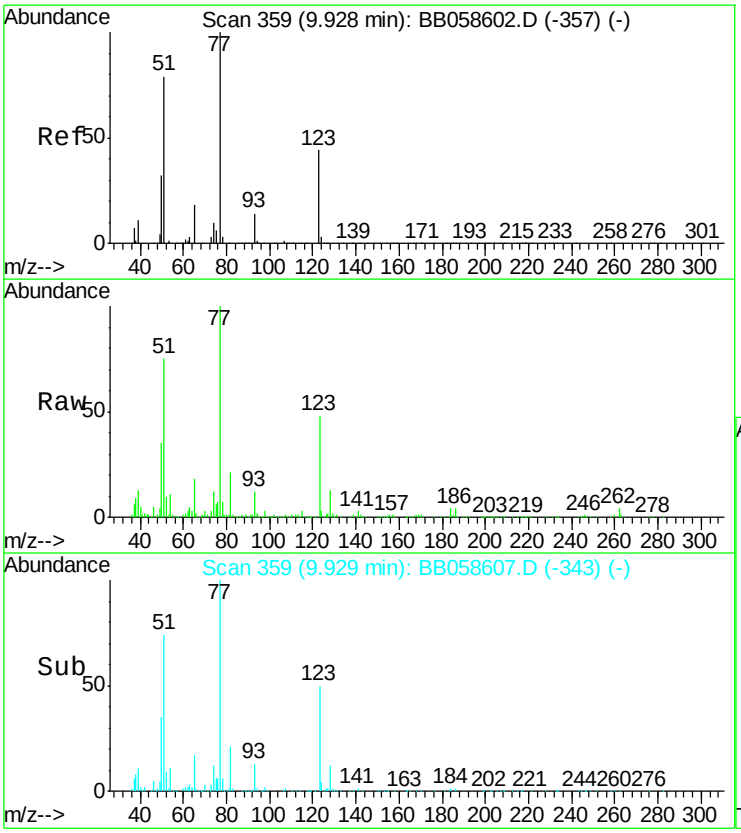
Tgt Ion:117 Resp: 46793

Ion	Ratio	Lower	Upper
117	100		
201	78.2	90.3	135.5#
199	46.8	58.5	87.7#



Instrument :
BNA_B
ClientSampleId :
MDL-04-S

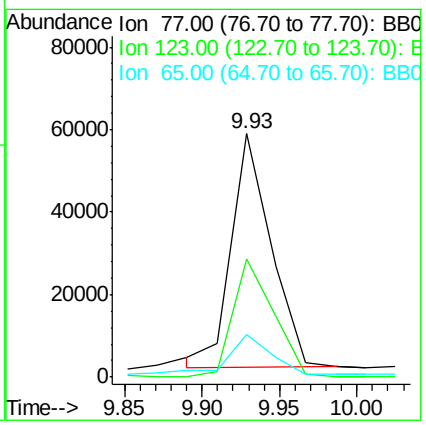
Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

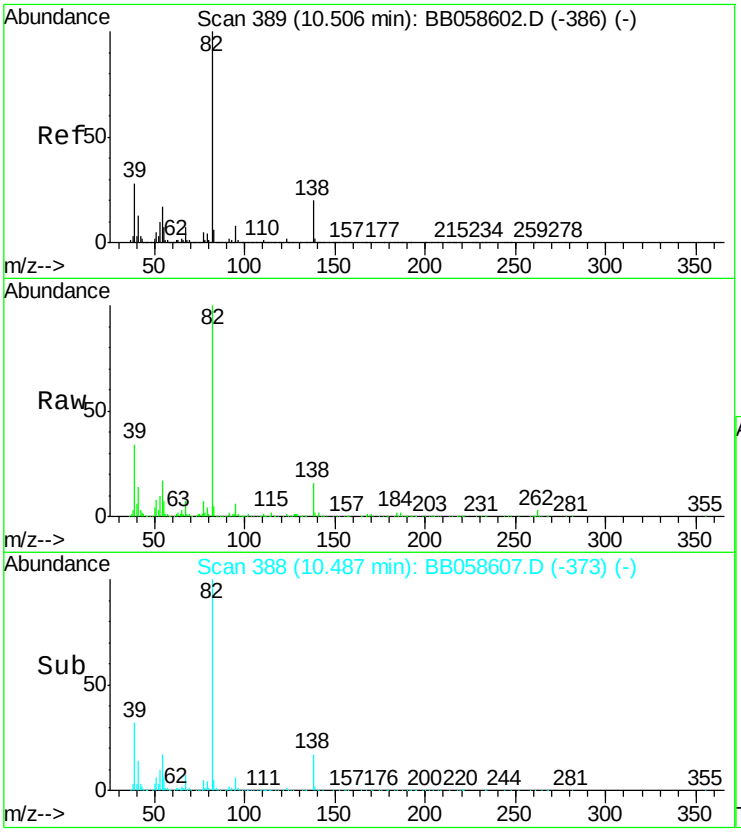


#20
Nitrobenzene
Concen: 2.87 ng/ul
RT: 9.93 min Scan# 359
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion: 77 Resp: 100967

Ion	Ratio	Lower	Upper
77	100		
123	48.4	34.2	51.4
65	17.6	11.0	16.6#

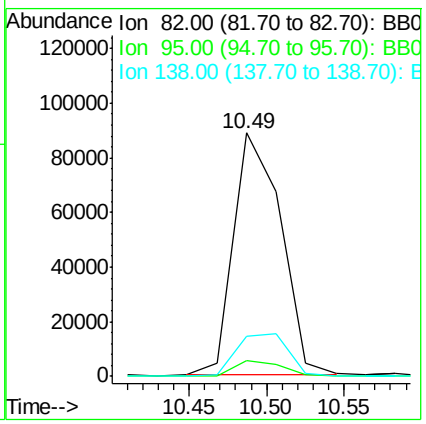




#21
Isophorone
Concen: 2.81 ng/ul
RT: 10.49 min Scan# 388
Delta R.T. -0.02 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

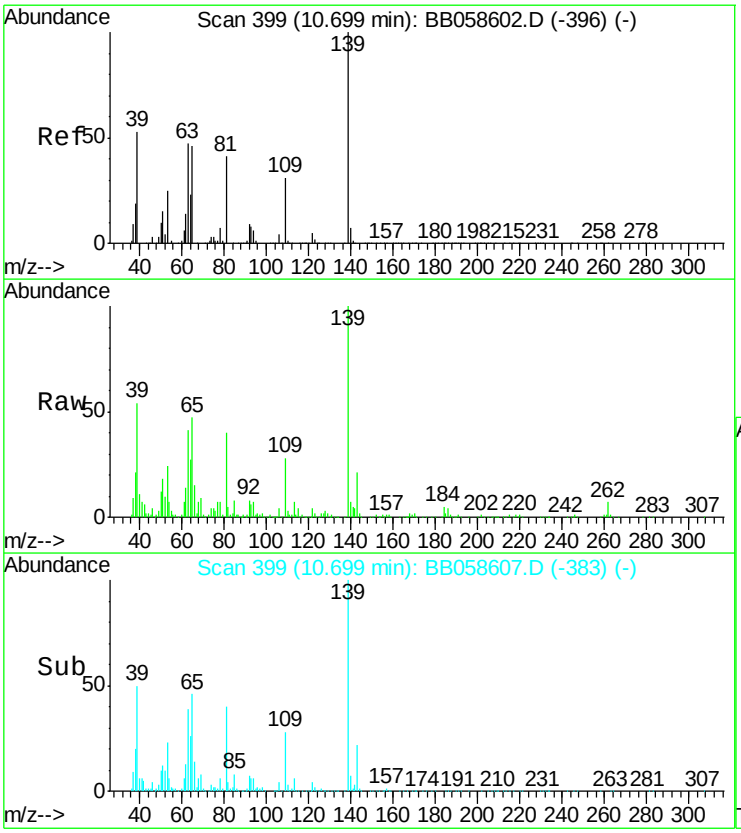
Tgt Ion: 82 Resp: 190711

Ion	Ratio	Lower	Upper
82	100		
95	6.4	6.9	10.3#
138	16.5	13.8	20.8



Instrument :
BNA_B
ClientSampleId :
MDL-04-S

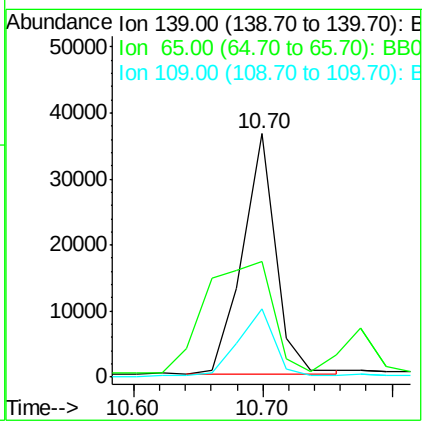
Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

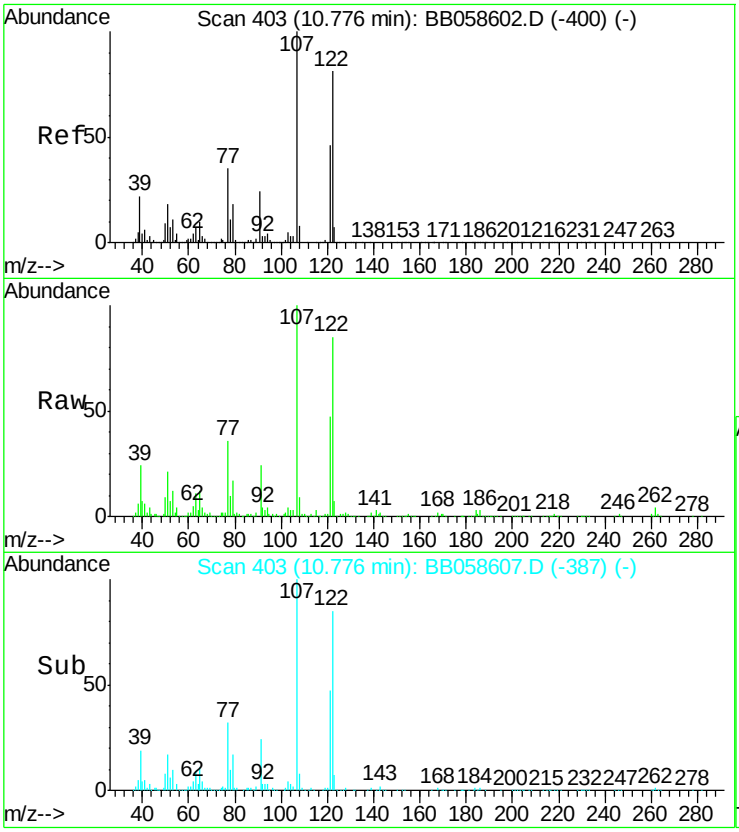


#23
2-Nitrophenol
Concen: 3.07 ng/ul
RT: 10.70 min Scan# 399
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion:139 Resp: 64588

Ion	Ratio	Lower	Upper
139	100		
65	47.3	44.2	66.4
109	28.1	28.2	42.4#

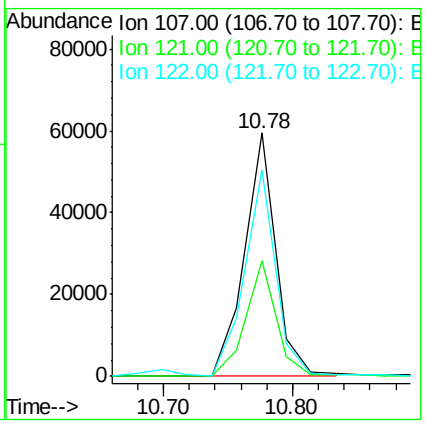




#24
2,4-Dimethylphenol
Concen: 2.91 ng/ul
RT: 10.78 min Scan# 403
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

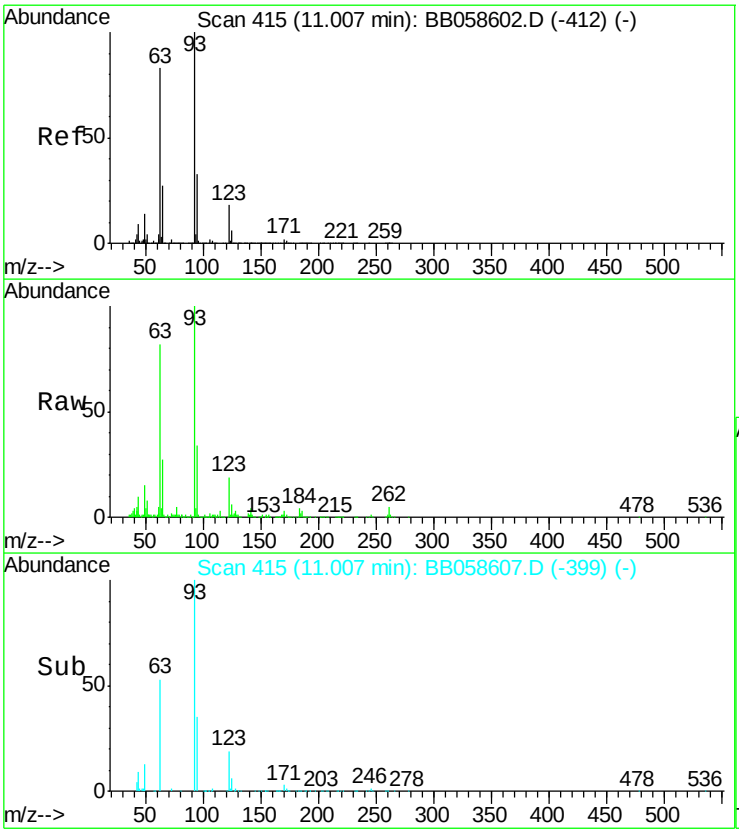
Tgt Ion:107 Resp: 100184

Ion	Ratio	Lower	Upper
107	100		
121	47.4	37.1	55.7
122	84.6	62.8	94.2



Instrument :
BNA_B
ClientSampleId :
MDL-04-S

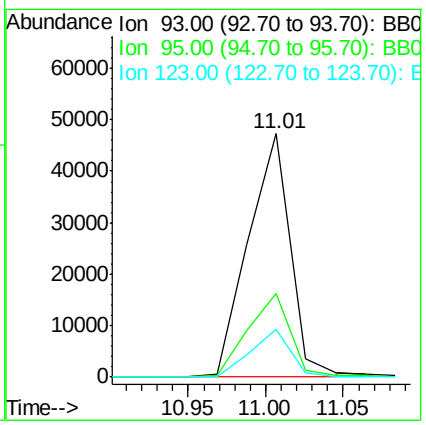
Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

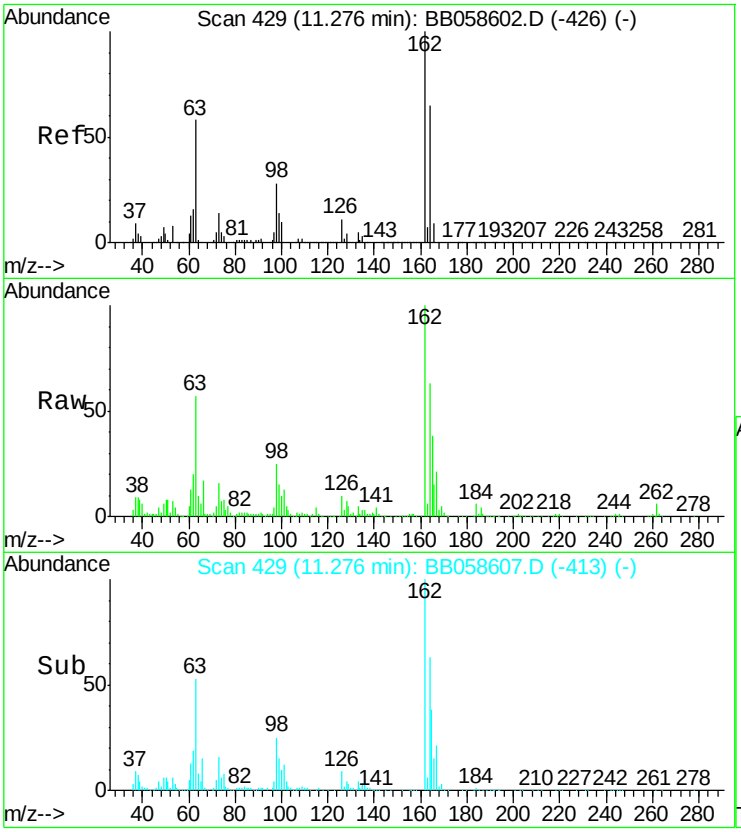


#25
Bis(2-Chloroethoxy)methane
Concen: 2.73 ng/ul
RT: 11.01 min Scan# 415
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion: 93 Resp: 89242

Ion	Ratio	Lower	Upper
93	100		
95	34.2	25.4	38.0
123	19.4	8.3	12.5#

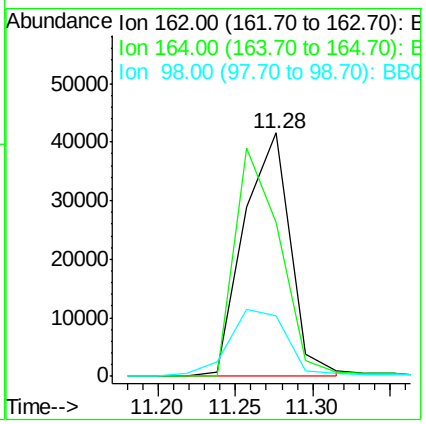




#27
2,4-Dichlorophenol
Concen: 3.07 ng/ul
RT: 11.28 min Scan# 429
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

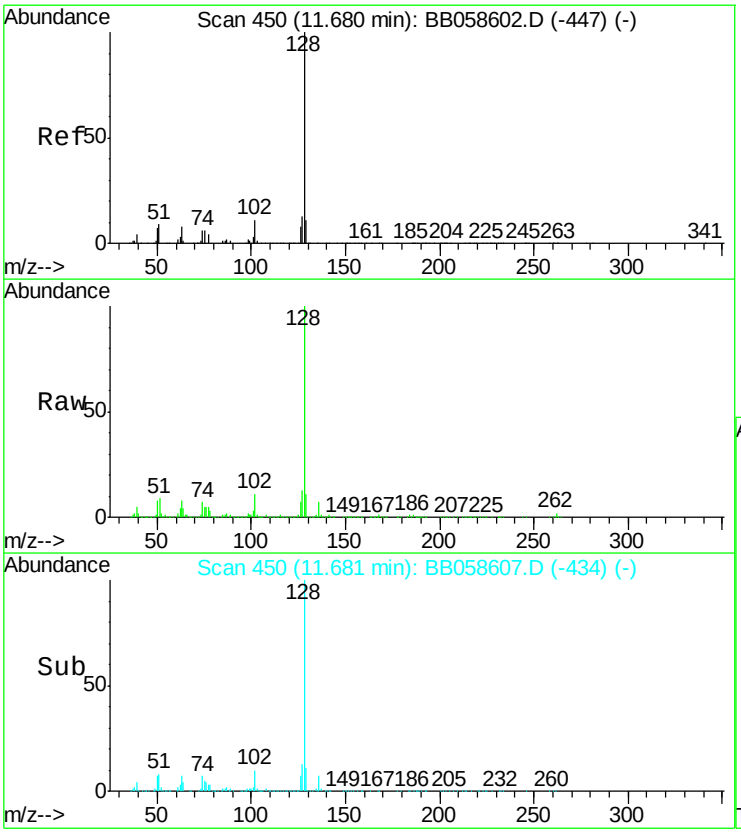
Tgt Ion:162 Resp: 87837

Ion	Ratio	Lower	Upper
162	100		
164	63.0	51.6	77.4
98	25.1	28.4	42.6#



Instrument :
BNA_B
ClientSampleId :
MDL-04-S

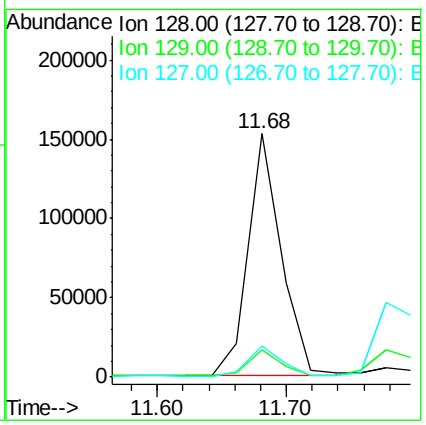
Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

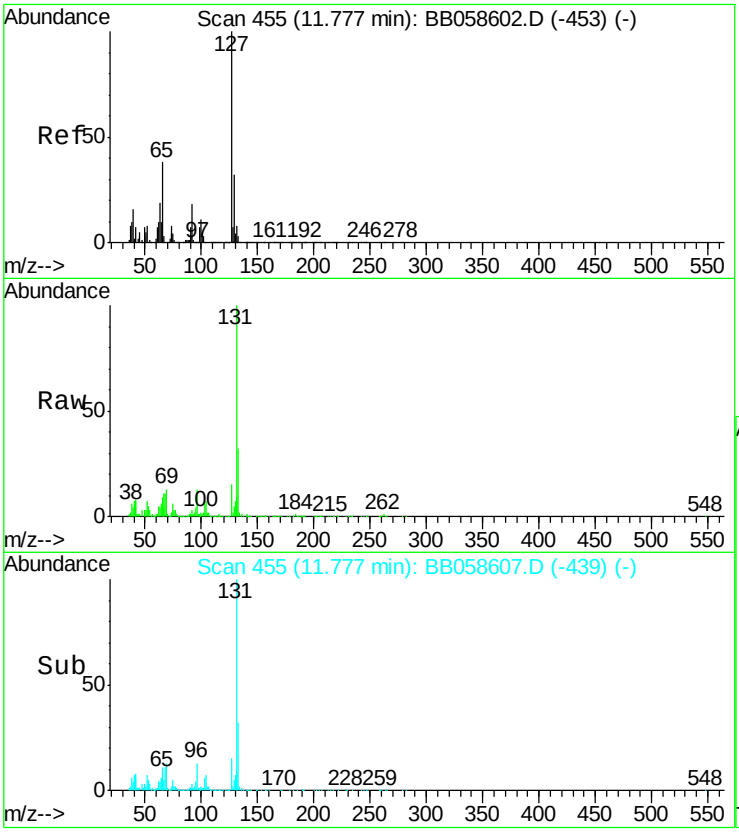


#28
Naphthalene
Concen: 3.16 ng/ul
RT: 11.68 min Scan# 450
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion:128 Resp: 272403

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.6	12.8
127	13.0	10.6	15.8

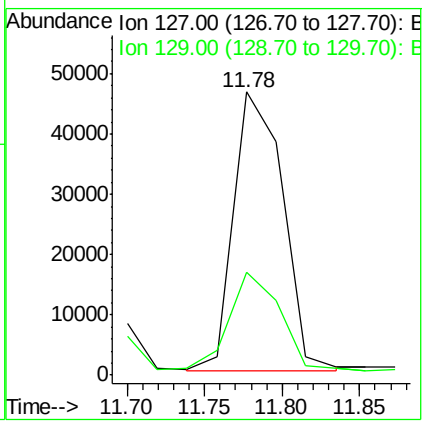




#30
4-Chloroaniline
Concen: 3.18 ng/ul
RT: 11.78 min Scan# 455
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

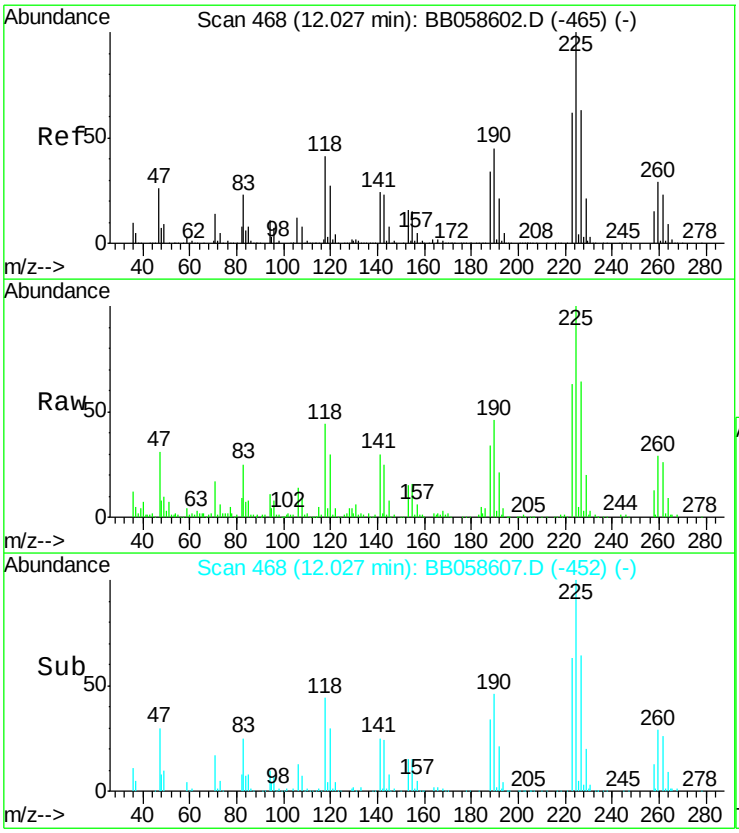
Tgt Ion:127 Resp: 103670

Ion	Ratio	Lower	Upper
127	100		
129	36.5	24.6	37.0



Instrument :
BNA_B
ClientSampleId :
MDL-04-S

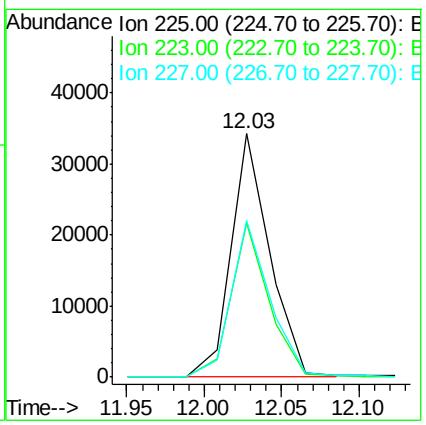
Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

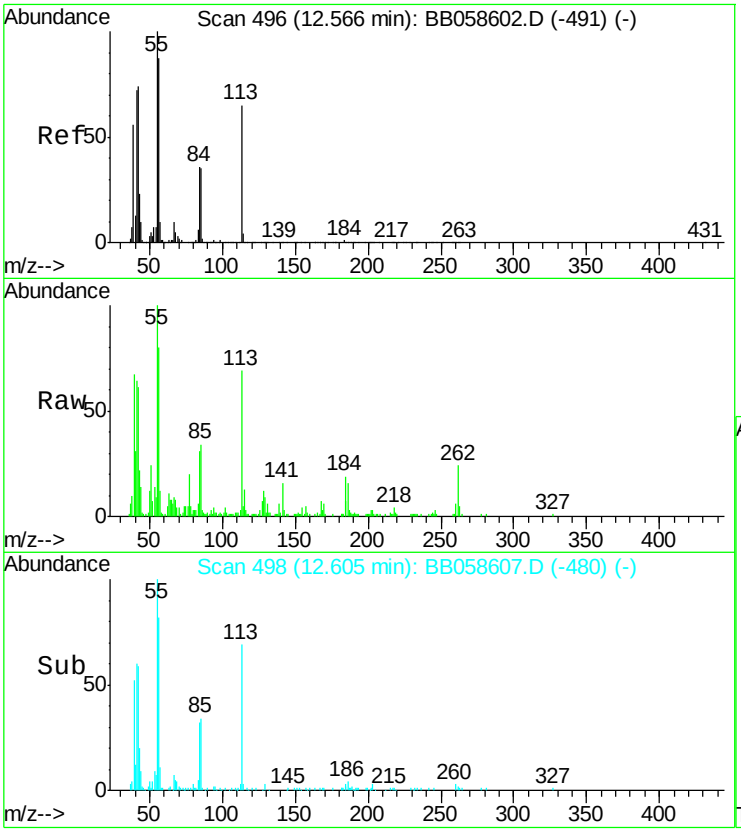


#31
Hexachlorobutadiene
Concen: 3.08 ng/ul
RT: 12.03 min Scan# 468
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion:225 Resp: 60144

Ion	Ratio	Lower	Upper
225	100		
223	63.3	51.2	76.8
227	64.4	52.5	78.7

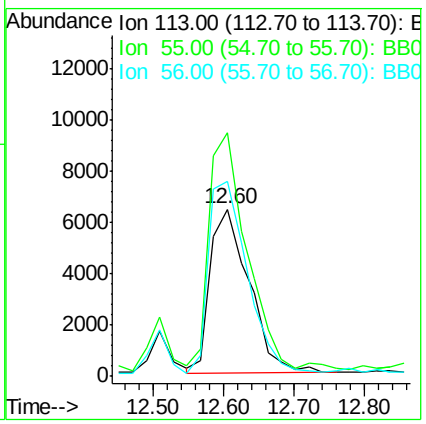




#32
Caprolactam
Concen: 2.35 ng/ul
RT: 12.60 min Scan# 498
Delta R.T. 0.04 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

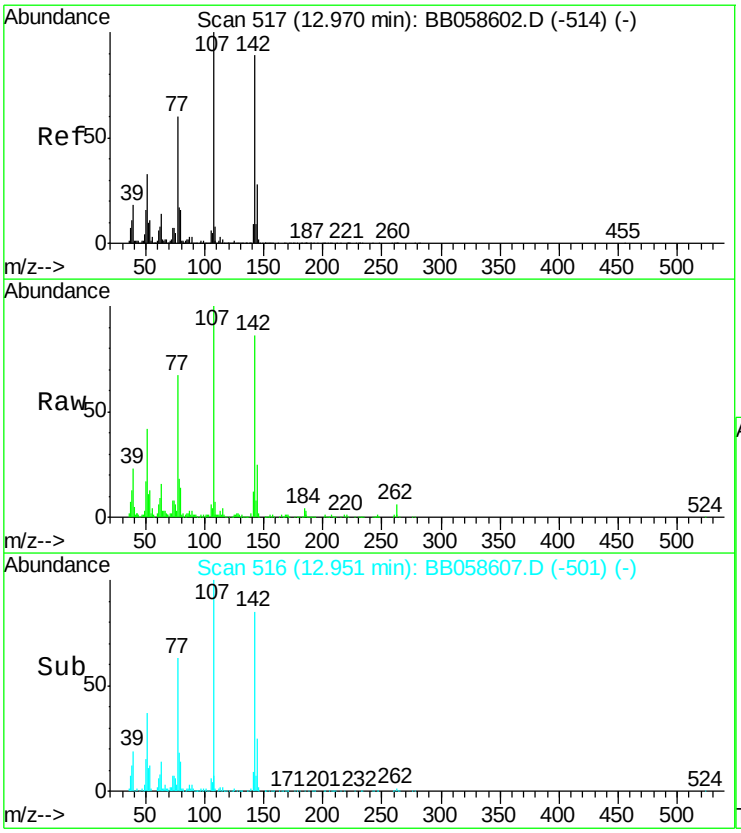
Tgt Ion:113 Resp: 24406

Ion	Ratio	Lower	Upper
113	100		
55	145.7	121.9	182.9
56	116.6	97.4	146.0



Instrument :
BNA_B
ClientSampleId :
MDL-04-S

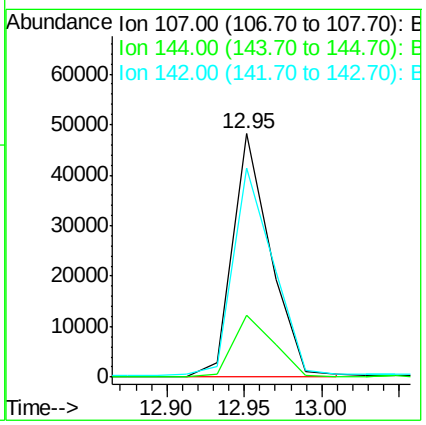
Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

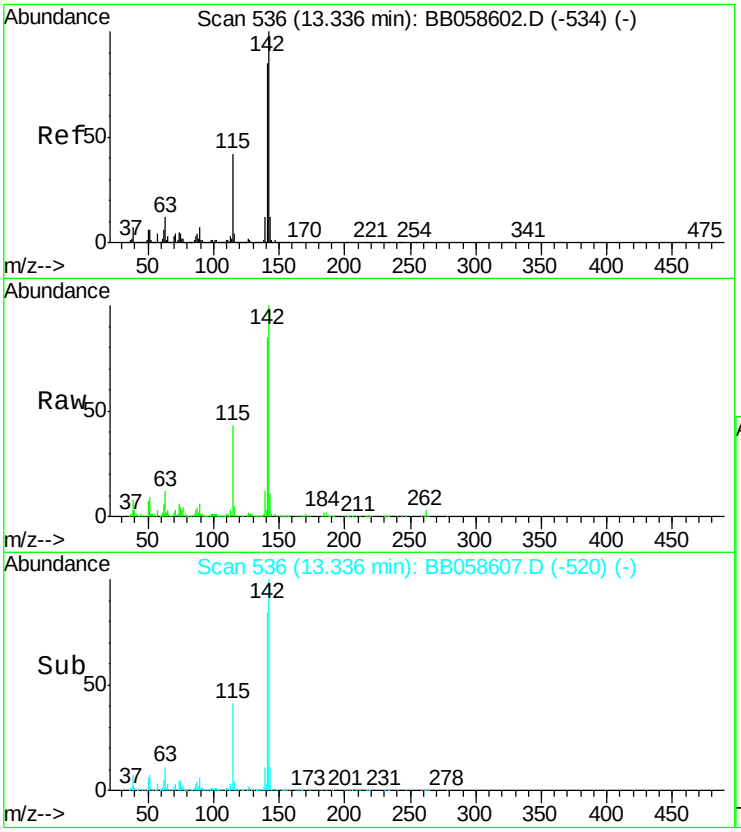


#33
4-Chloro-3-methylphenol
Concen: 2.92 ng/ul
RT: 12.95 min Scan# 516
Delta R.T. -0.02 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion:107 Resp: 83341

Ion	Ratio	Lower	Upper
107	100		
144	25.3	21.1	31.7
142	85.6	64.1	96.1





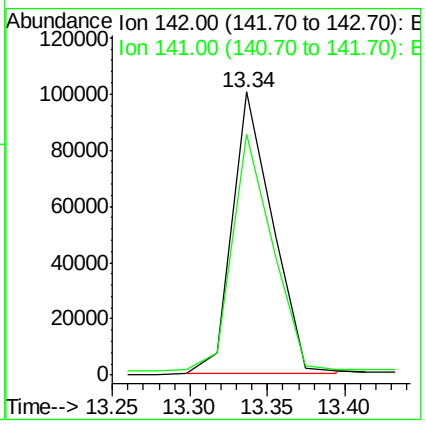
#34
2-Methylnaphthalene
Concen: 3.09 ng/ul
RT: 13.34 min Scan# 536
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

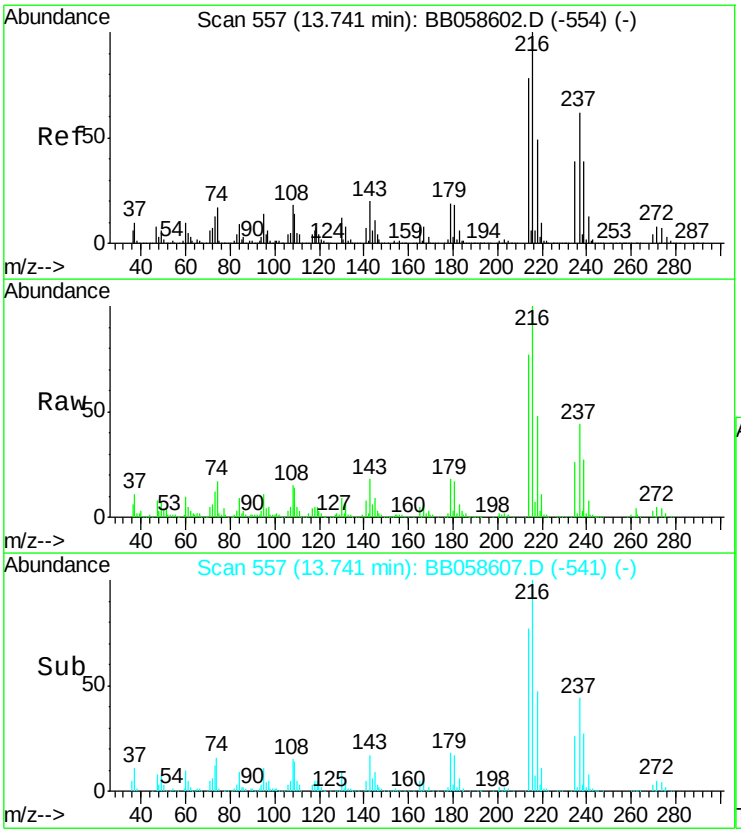
Tgt Ion:142 Resp: 183655

Ion	Ratio	Lower	Upper
142	100		
141	85.2	71.3	106.9

Instrument :
BNA_B
ClientSampleId :
MDL-04-S

Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

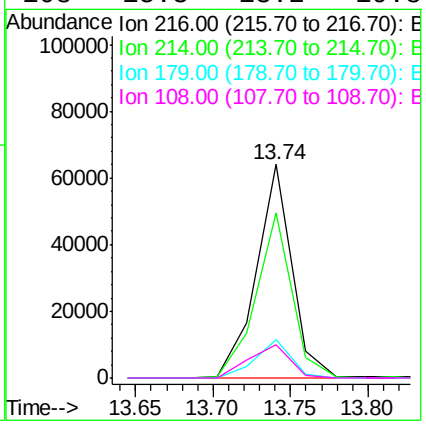


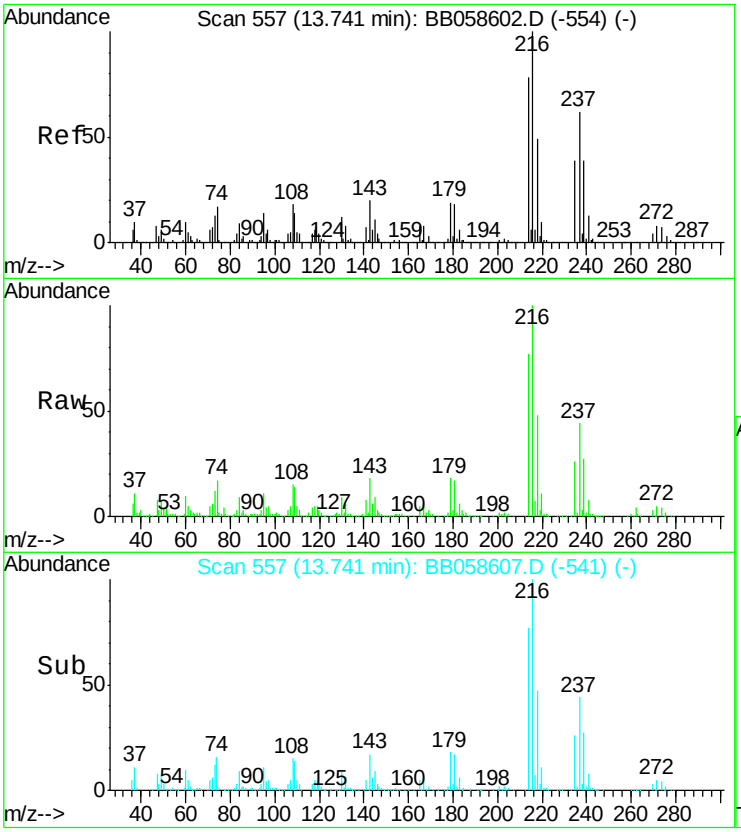


#36
1,2,4,5-Tetrachlorobenzene
Concen: 3.21 ng/ul
RT: 13.74 min Scan# 557
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion:216 Resp: 103023

Ion	Ratio	Lower	Upper
216	100		
214	77.2	64.8	97.2
179	18.0	16.7	25.1
108	15.3	13.2	19.8

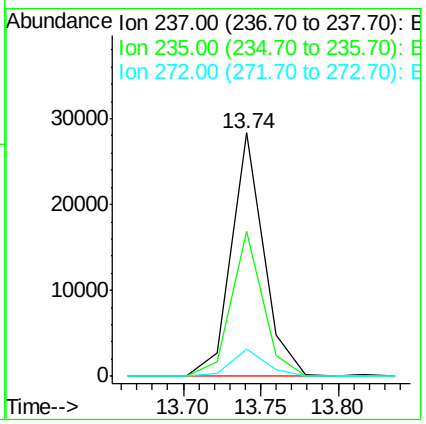




#37
Hexachlorocyclopentadiene
Concen: 2.07 ng/ul
RT: 13.74 min Scan# 557
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

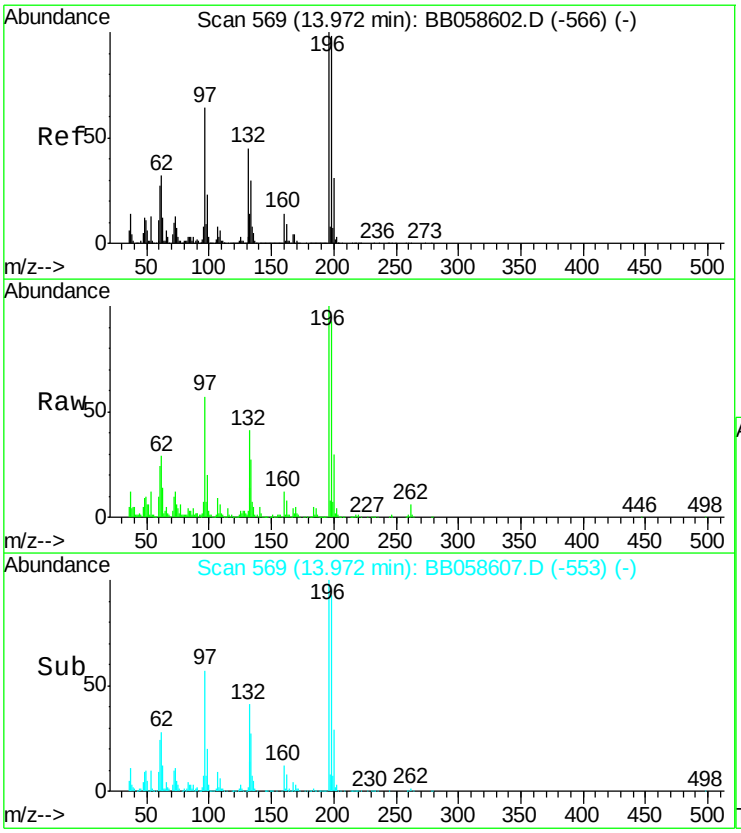
Tgt Ion:237 Resp: 41799

Ion	Ratio	Lower	Upper
237	100		
235	59.8	49.6	74.4
272	11.2	10.4	15.6



Instrument :
BNA_B
ClientSampleId :
MDL-04-S

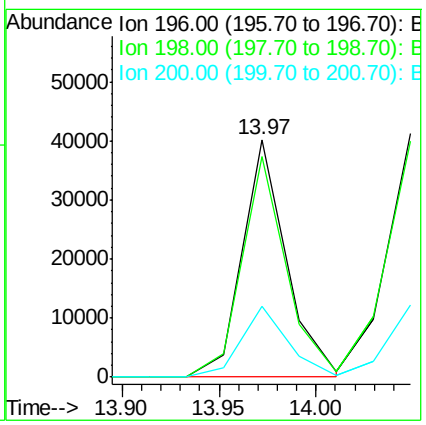
Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

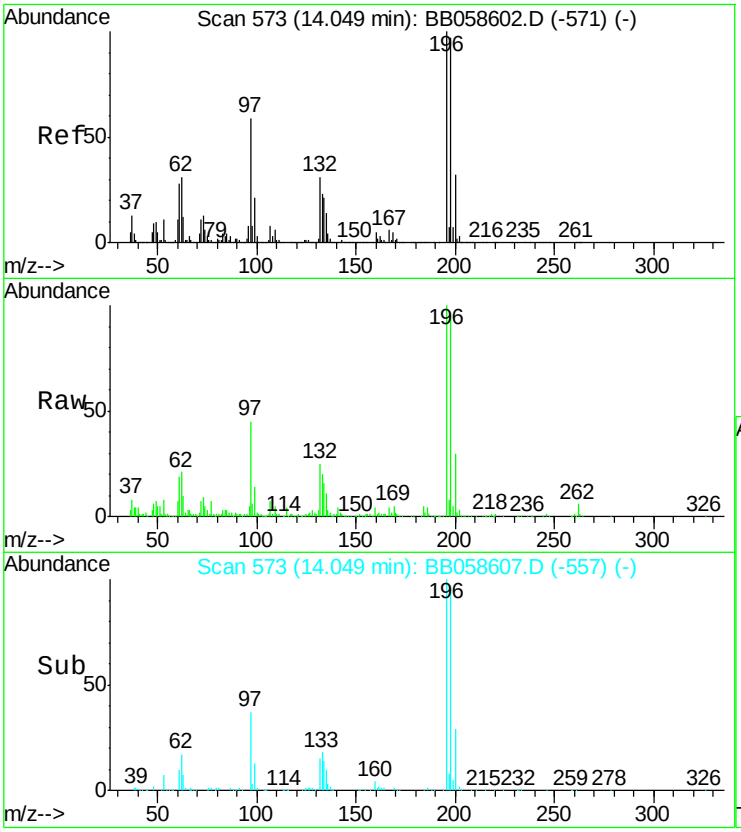


#38
2,4,6-Trichlorophenol
Concen: 3.23 ng/ul
RT: 13.97 min Scan# 569
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion:196 Resp: 62802

Ion	Ratio	Lower	Upper
196	100		
198	92.9	76.9	115.3
200	29.7	25.1	37.7

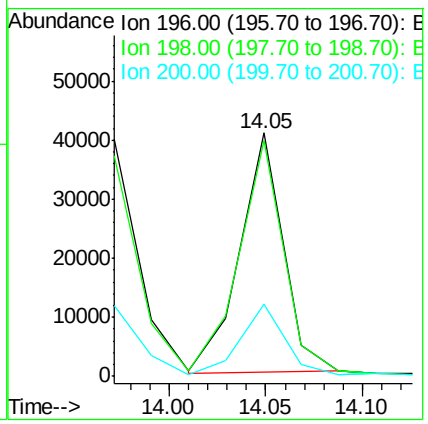




#39
2,4,5-Trichlorophenol
Concen: 3.06 ng/ul
RT: 14.05 min Scan# 573
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

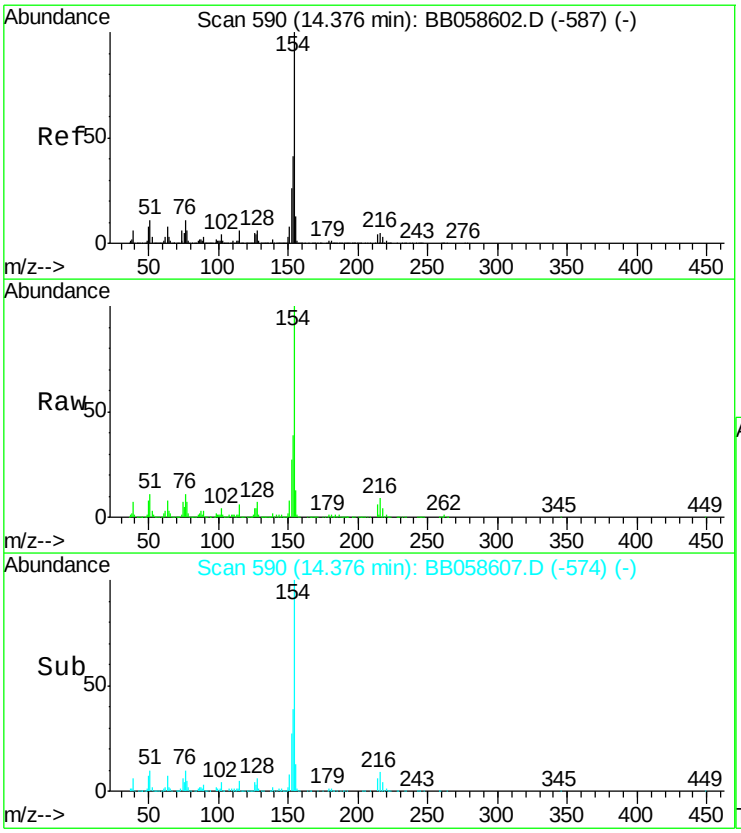
Tgt Ion:196 Resp: 63168

Ion	Ratio	Lower	Upper
196	100		
198	97.0	76.8	115.2
200	29.8	27.0	40.4



Instrument :
BNA_B
ClientSampleId :
MDL-04-S

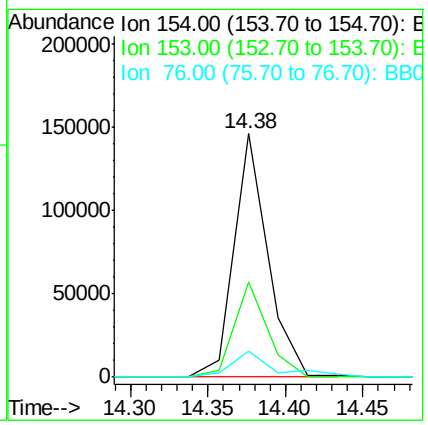
Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

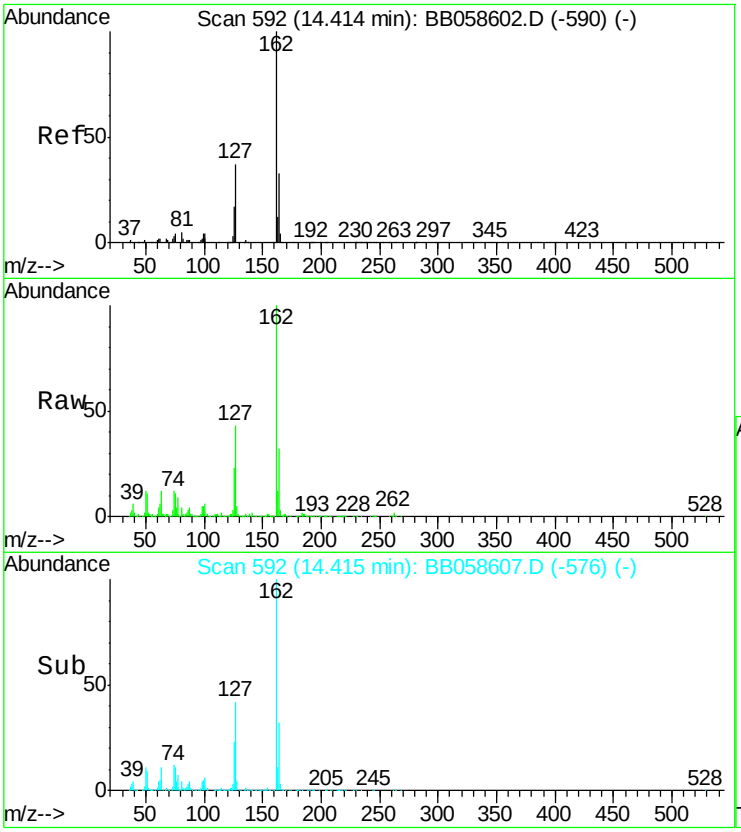


#40
1,1'-Biphenyl
Concen: 3.18 ng/ul
RT: 14.38 min Scan# 590
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion:154 Resp: 222785

Ion	Ratio	Lower	Upper
154	100		
153	38.8	31.3	46.9
76	10.7	10.0	15.0

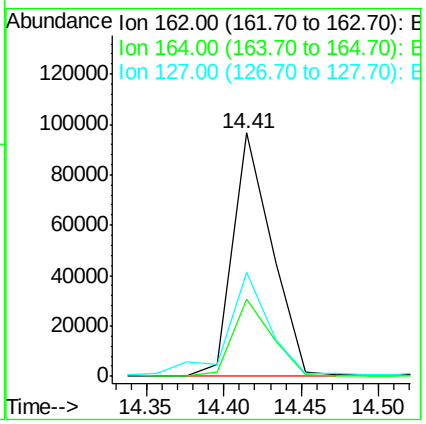




#41
2-Chloronaphthalene
Concen: 3.08 ng/ul
RT: 14.41 min Scan# 592
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

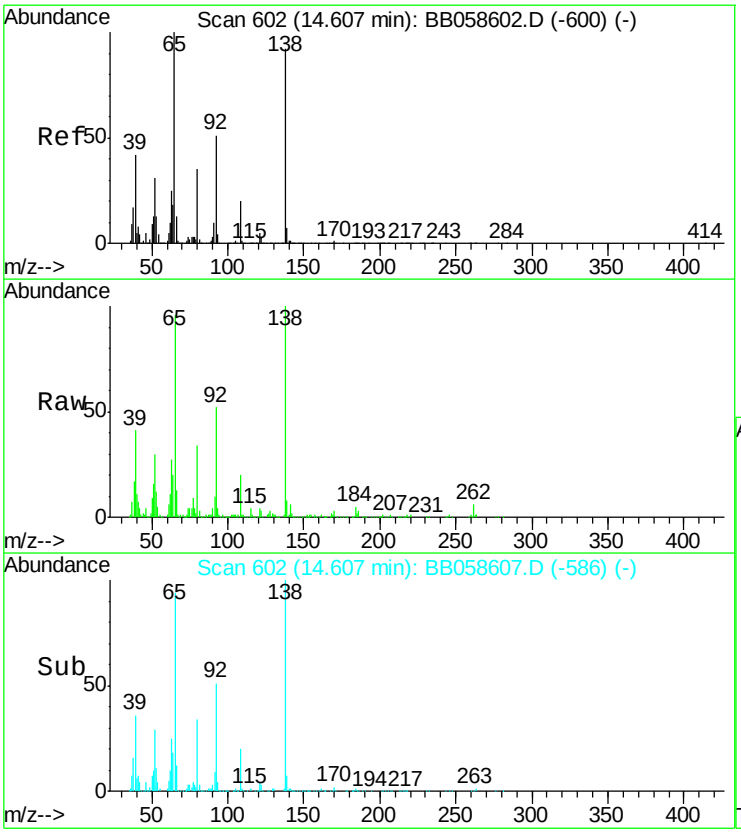
Tgt Ion:162 Resp: 171958

Ion	Ratio	Lower	Upper
162	100		
164	31.9	26.9	40.3
127	42.9	31.2	46.8



Instrument :
BNA_B
ClientSampleId :
MDL-04-S

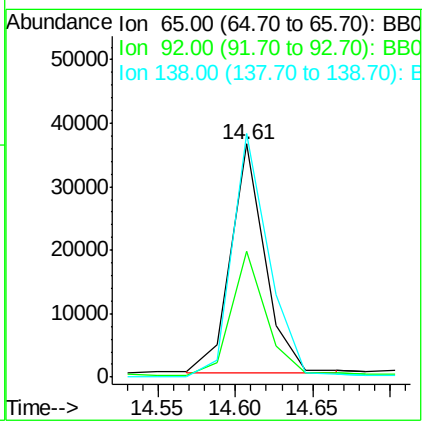
Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

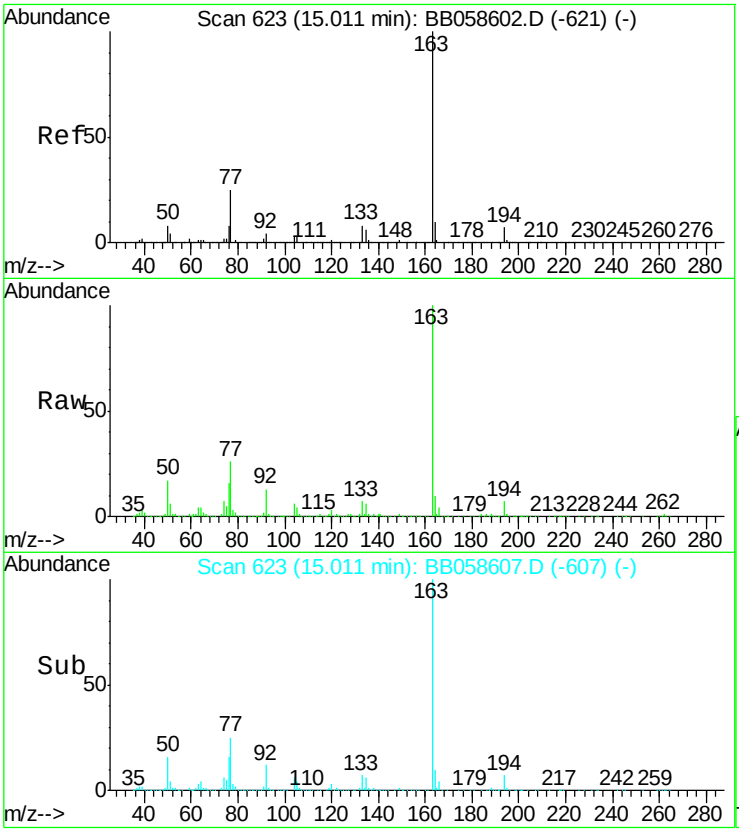


#42
2-Nitroaniline
Concen: 2.63 ng/ul
RT: 14.61 min Scan# 602
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion: 65 Resp: 56230

Ion	Ratio	Lower	Upper
65	100		
92	54.1	55.6	83.4#
138	104.5	81.3	121.9

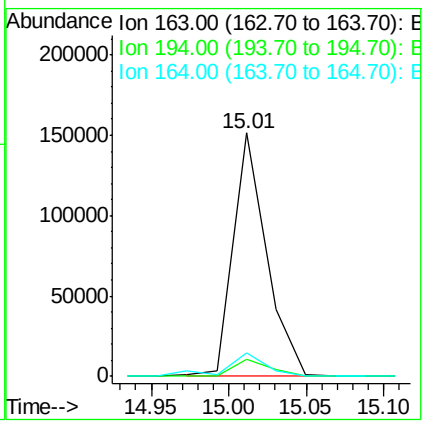




#44
Dimethylphthalate
Concen: 3.24 ng/ul
RT: 15.01 min Scan# 623
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

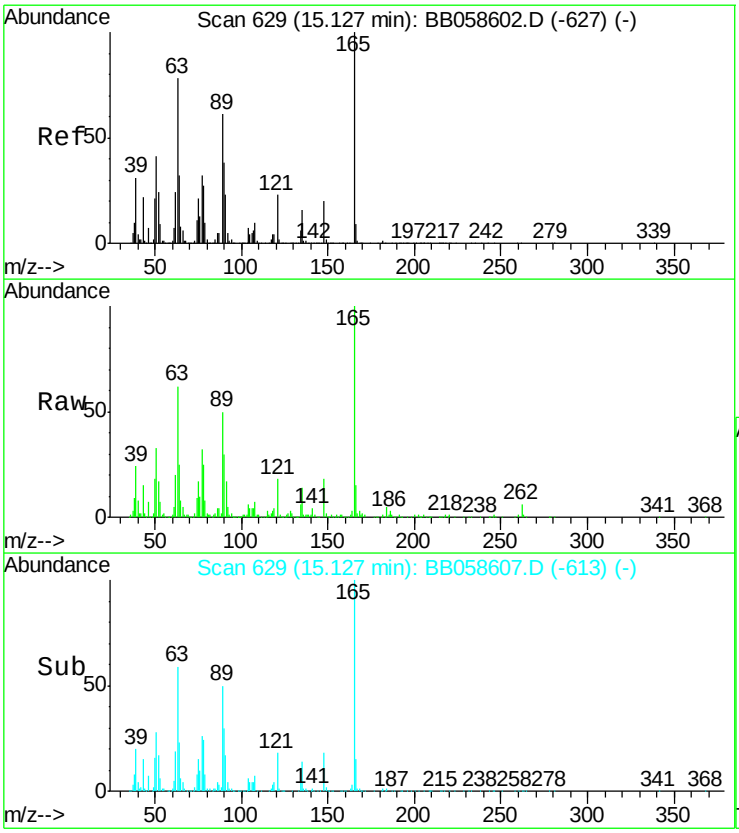
Tgt Ion:163 Resp: 224980

Ion	Ratio	Lower	Upper
163	100		
194	6.7	3.4	5.2#
164	9.9	7.8	11.8



Instrument :
BNA_B
ClientSampleId :
MDL-04-S

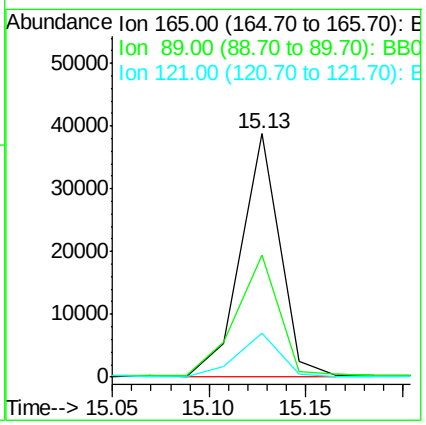
Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

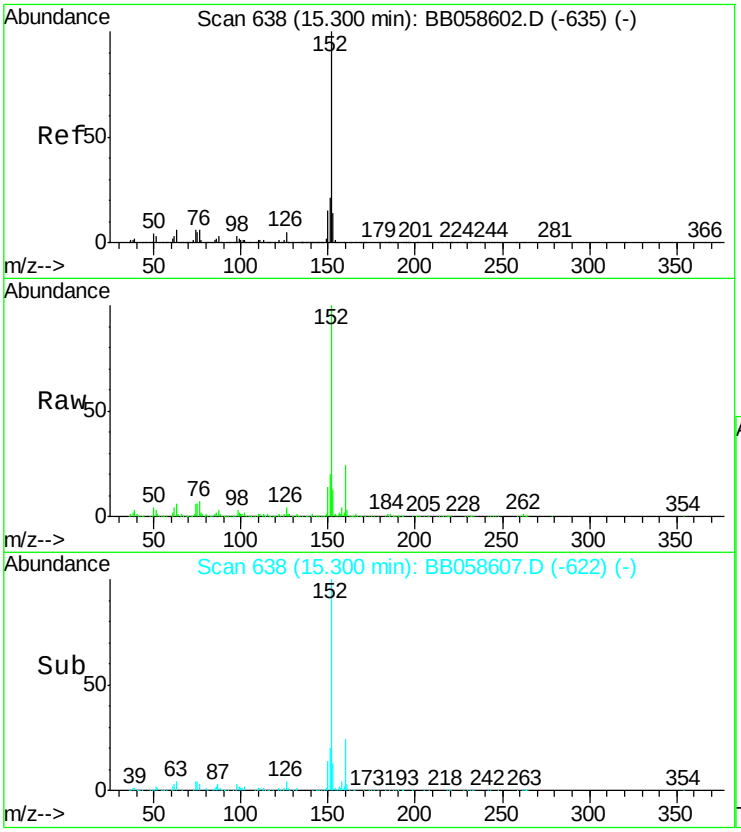


#45
2,6-Dinitrotoluene
Concen: 3.06 ng/ul
RT: 15.13 min Scan# 629
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion:165 Resp: 53676

Ion	Ratio	Lower	Upper
165	100		
89	50.1	46.6	69.8
121	18.1	16.0	24.0

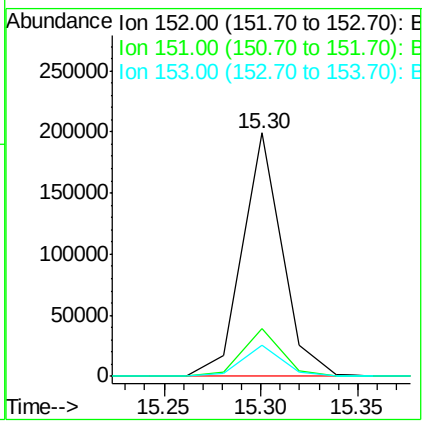




#47
Acenaphthylene
Concen: 3.52 ng/ul
RT: 15.30 min Scan# 638
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

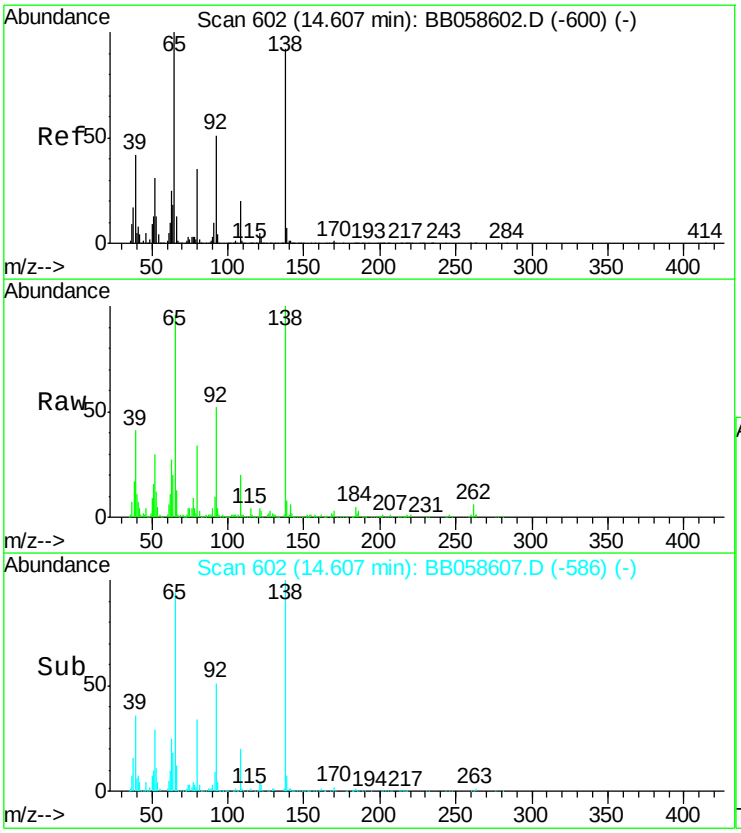
Tgt Ion:152 Resp: 279312

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.0	24.0
153	12.8	11.0	16.6



Instrument :
BNA_B
ClientSampleId :
MDL-04-S

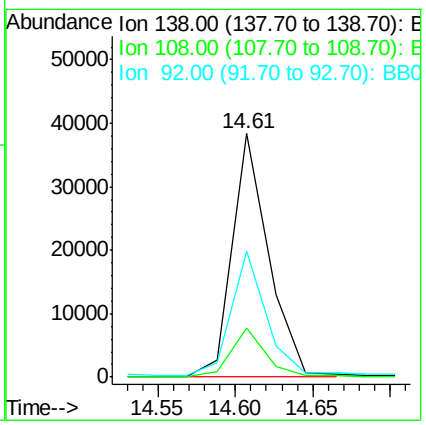
Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

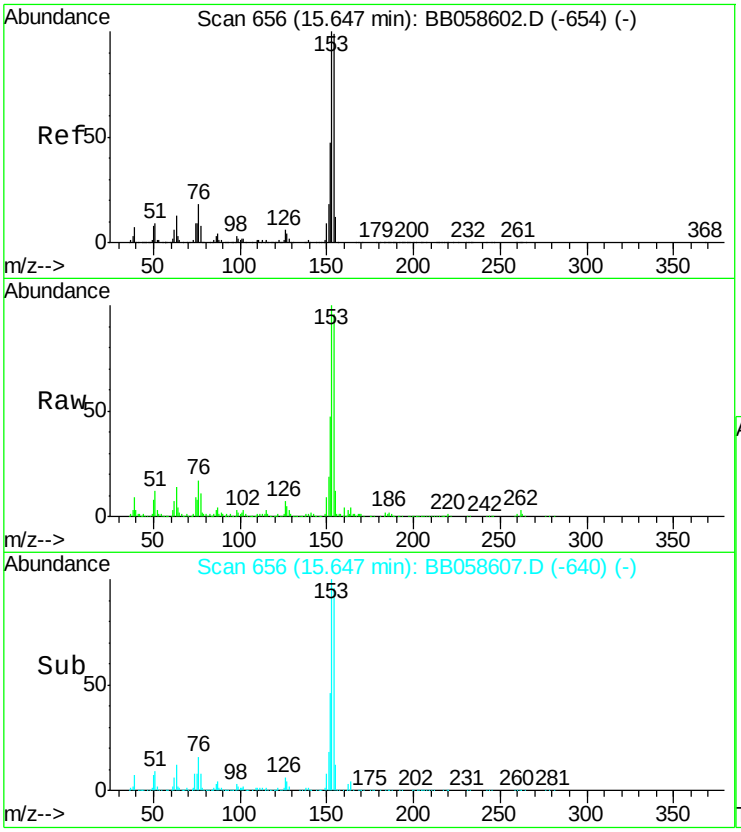


#48
3-Nitroaniline
Concen: 2.76 ng/ul
RT: 14.61 min Scan# 602
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion:138 Resp: 63215

Ion	Ratio	Lower	Upper
138	100		
108	19.9	9.4	14.0#
92	51.7	96.6	145.0#

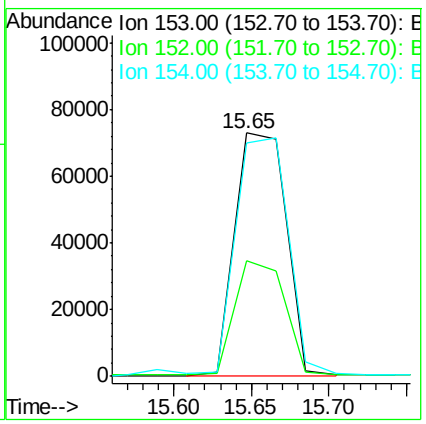




#49
Acenaphthene
Concen: 3.11 ng/ul
RT: 15.65 min Scan# 656
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

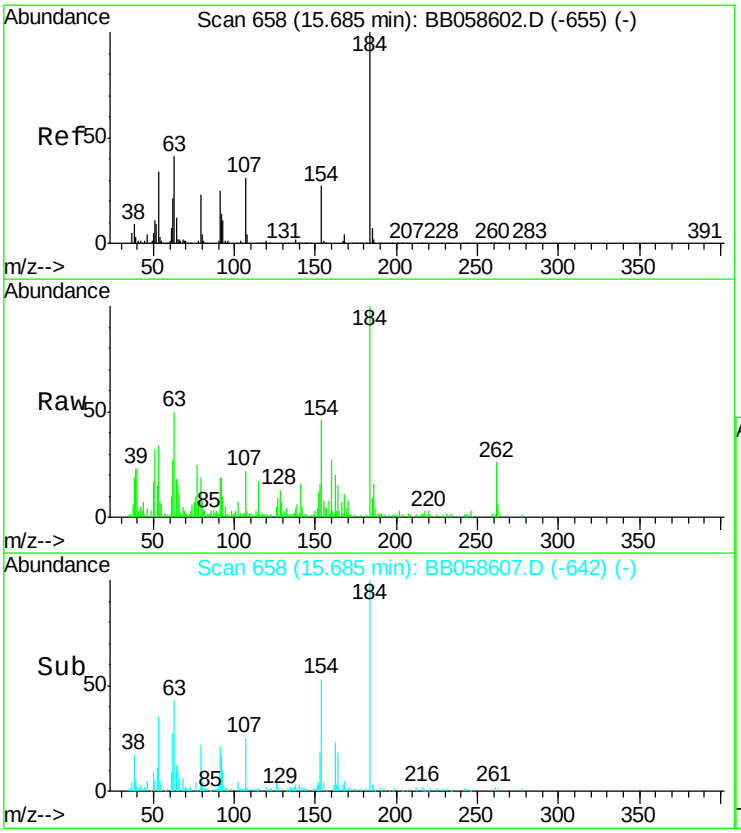
Tgt Ion:153 Resp: 169543

Ion	Ratio	Lower	Upper
153	100		
152	47.4	37.8	56.6
154	95.8	71.4	107.0



Instrument :
BNA_B
ClientSampleId :
MDL-04-S

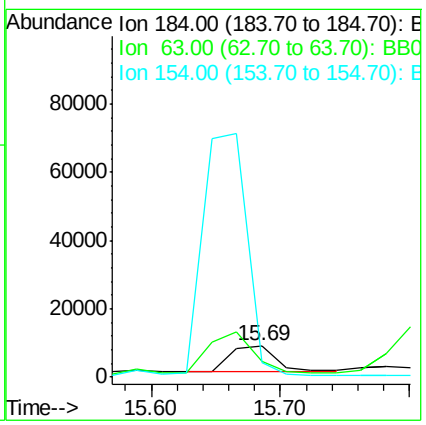
Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

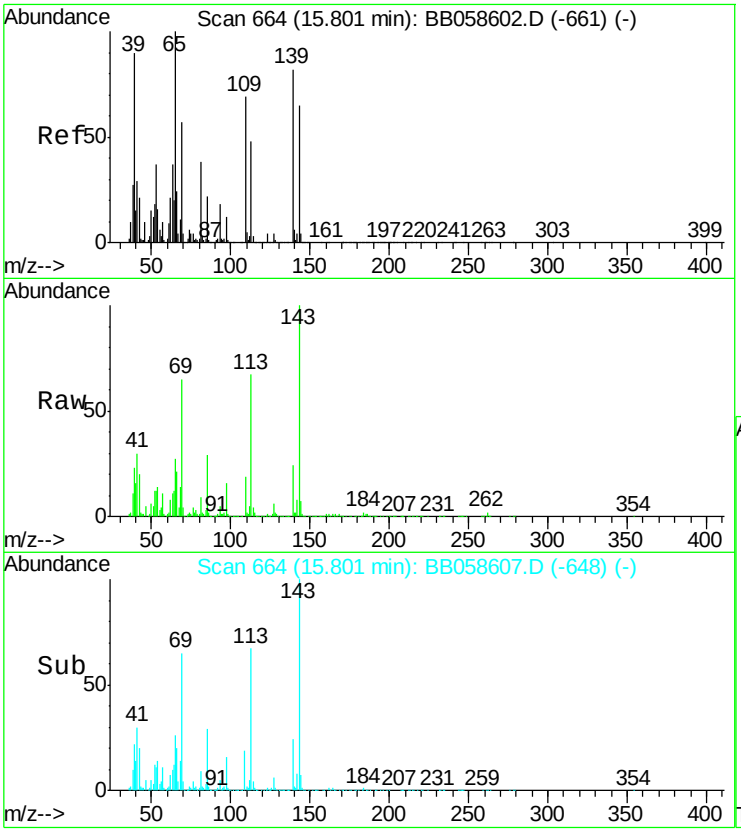


#50
2,4-Dinitrophenol
Concen: 1.51 ng/ul
RT: 15.69 min Scan# 658
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion:184 Resp: 18840

Ion	Ratio	Lower	Upper
184	100		
63	49.6	43.4	65.0
154	46.3	48.2	72.4#

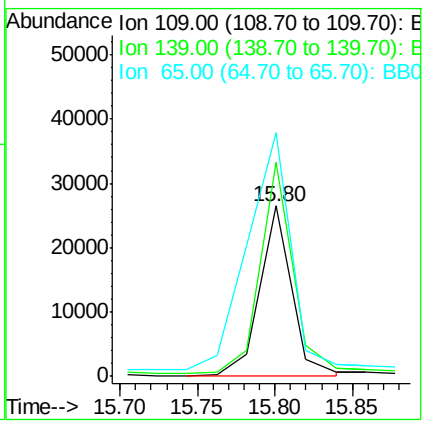




#52
4-Nitrophenol
Concen: 2.93 ng/ul
RT: 15.80 min Scan# 664
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

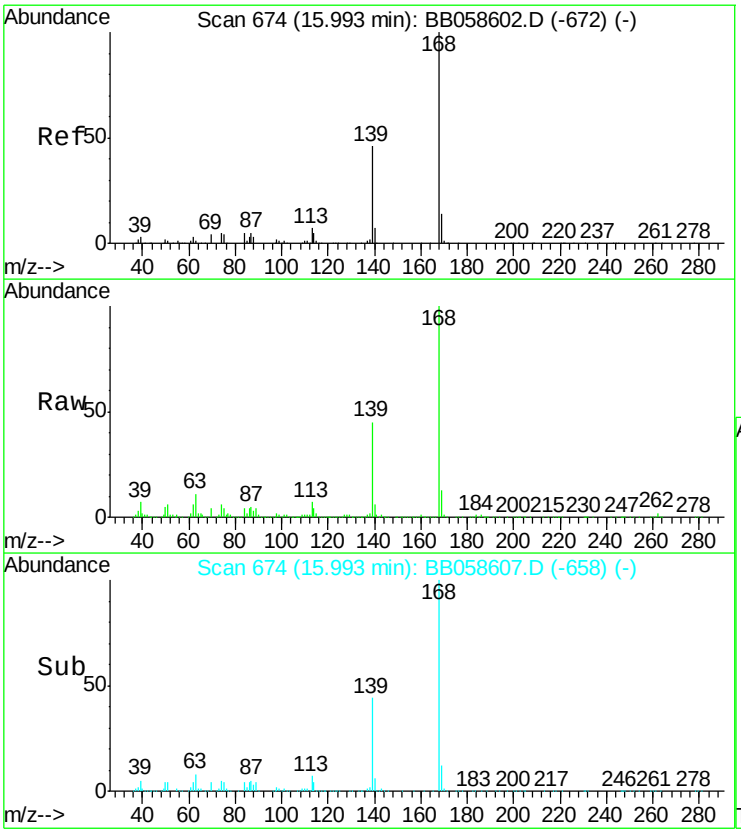
Tgt Ion:109 Resp: 37996

Ion	Ratio	Lower	Upper
109	100		
139	125.6	88.7	133.1
65	143.1	96.4	144.6



Instrument :
BNA_B
ClientSampleId :
MDL-04-S

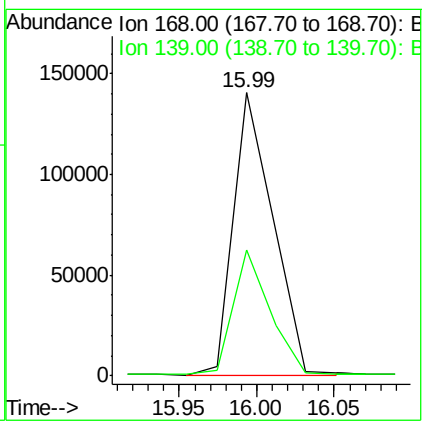
Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

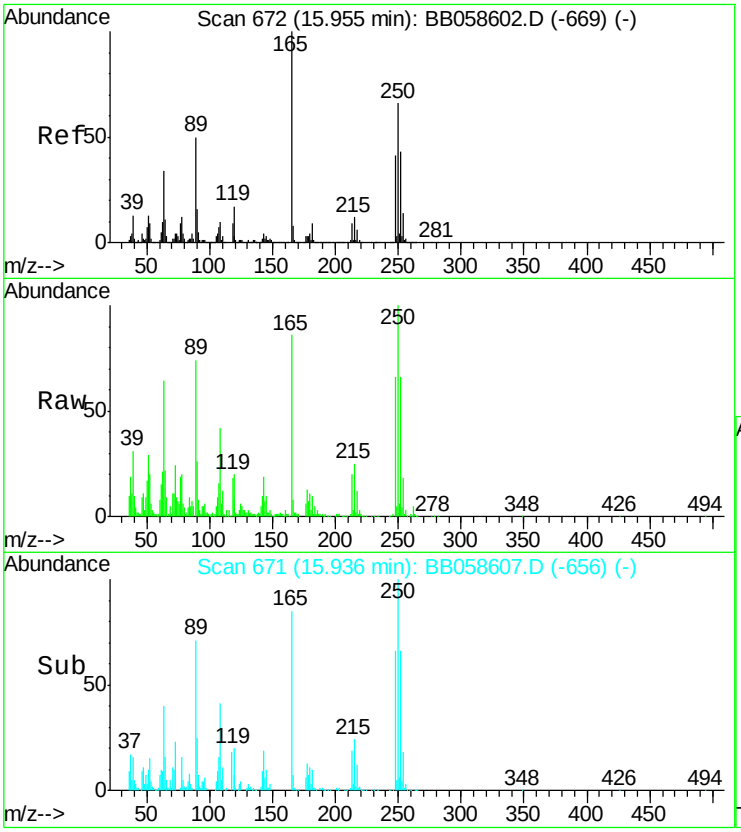


#53
Dibenzofuran
Concen: 3.24 ng/ul
RT: 15.99 min Scan# 674
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion:168 Resp: 251290

Ion	Ratio	Lower	Upper
168	100		
139	44.5	30.1	45.1

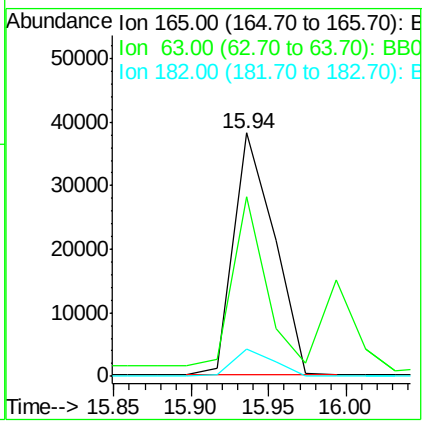




#54
2,4-Dinitrotoluene
Concen: 2.88 ng/ul
RT: 15.94 min Scan# 671
Delta R.T. -0.02 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

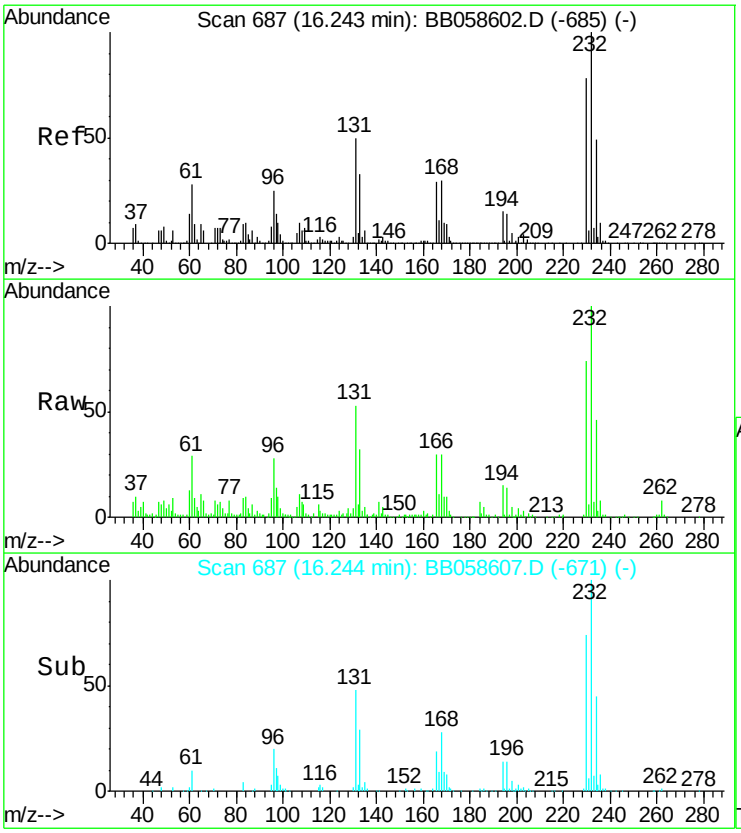
Tgt Ion:165 Resp: 70416

Ion	Ratio	Lower	Upper
165	100		
63	73.6	36.2	54.2#
182	11.3	2.2	3.4#



Instrument :
BNA_B
ClientSampleId :
MDL-04-S

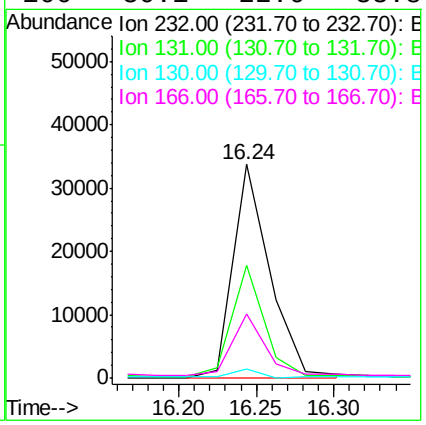
Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

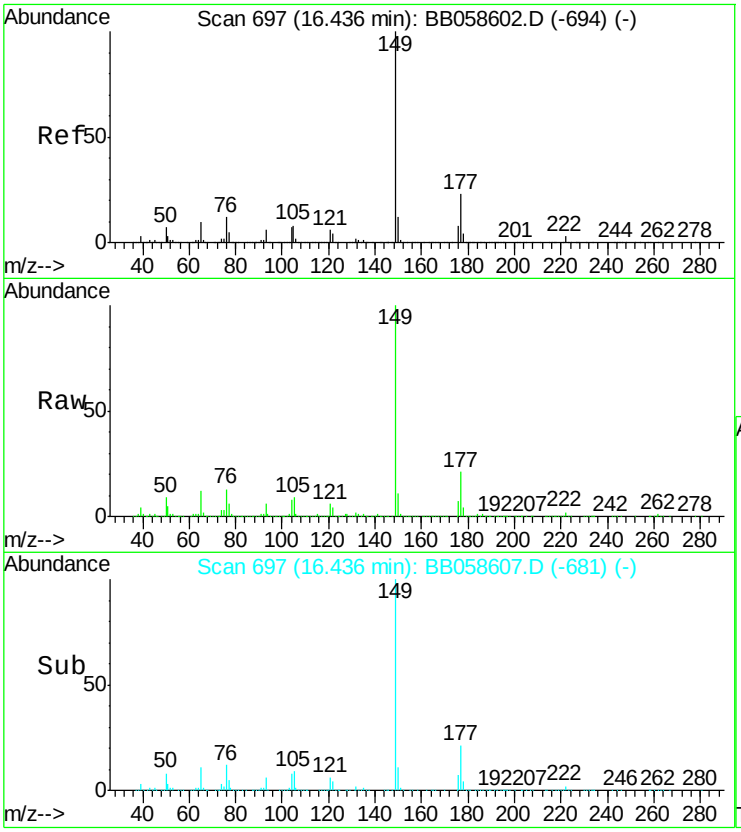


#55
2,3,4,6-Tetrachlorophenol
Concen: 3.13 ng/ul
RT: 16.24 min Scan# 687
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion:232 Resp: 56622

Ion	Ratio	Lower	Upper
232	100		
131	52.7	31.4	47.0#
130	4.4	1.6	2.4#
166	30.1	22.6	33.8

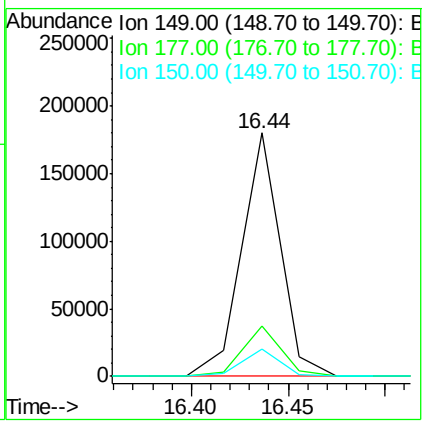




#56
Diethylphthalate
Concen: 3.43 ng/ul
RT: 16.44 min Scan# 697
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

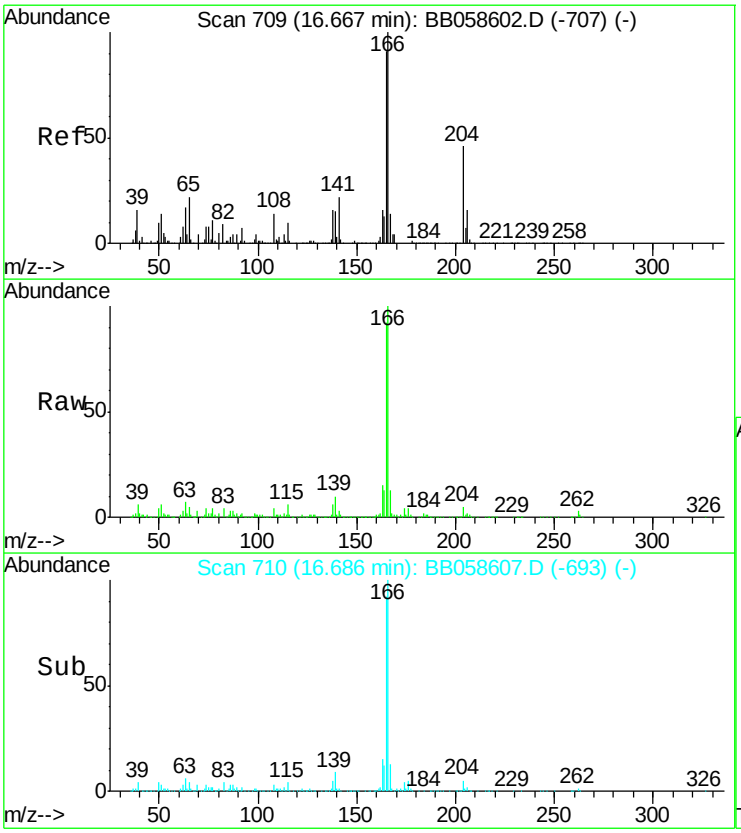
Tgt Ion:149 Resp: 247068

Ion	Ratio	Lower	Upper
149	100		
177	20.5	18.6	28.0
150	11.4	10.0	15.0



Instrument :
BNA_B
ClientSampleId :
MDL-04-S

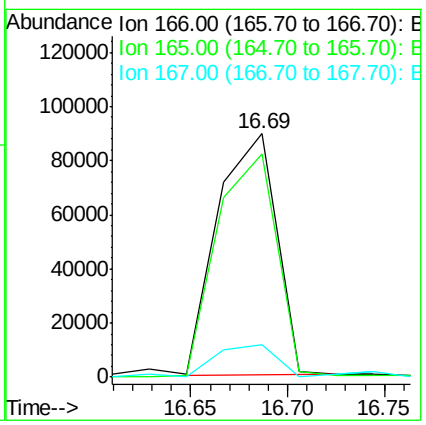
Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

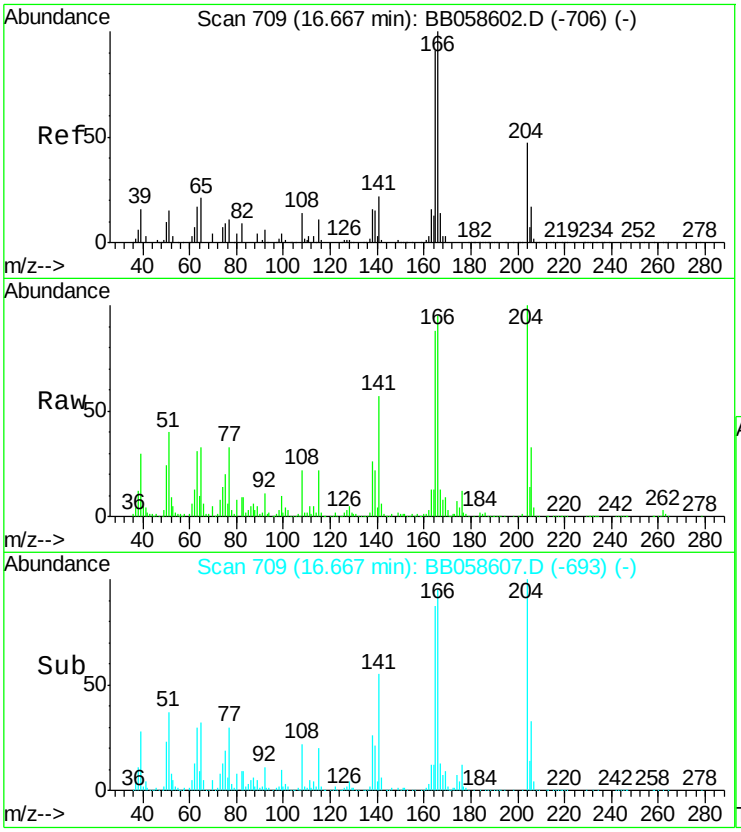


#58
Fluorene
Concen: 2.96 ng/ul
RT: 16.69 min Scan# 710
Delta R.T. 0.02 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion:166 Resp: 186723

Ion	Ratio	Lower	Upper
166	100		
165	91.6	79.9	119.9
167	13.1	10.5	15.7

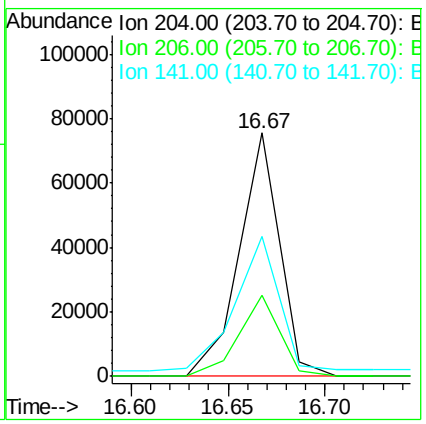




#59
4-Chlorophenyl-phenylether
Concen: 3.19 ng/ul
RT: 16.67 min Scan# 709
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

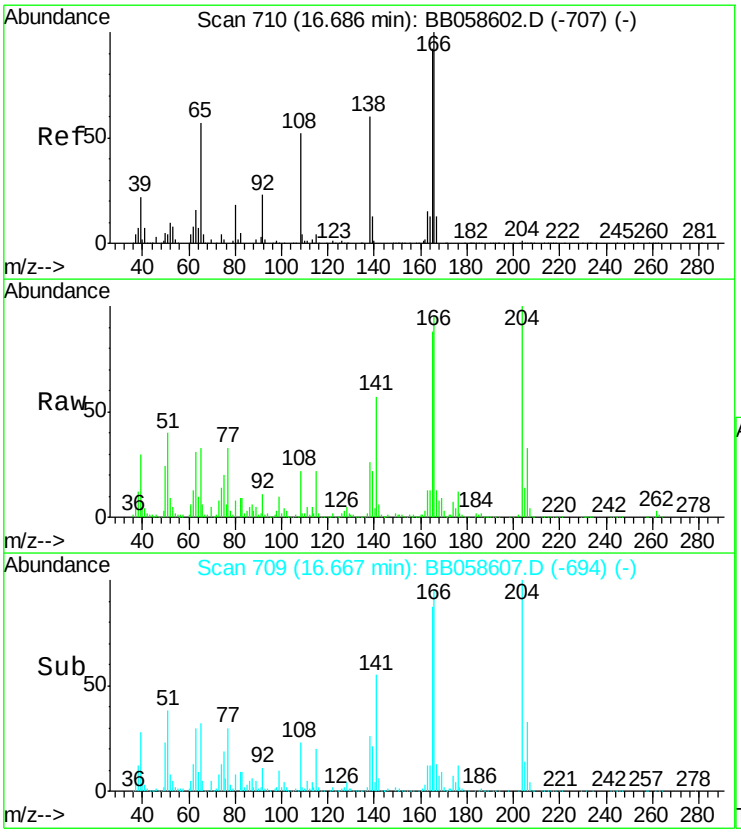
Tgt Ion:204 Resp: 108365

Ion	Ratio	Lower	Upper
204	100		
206	33.1	25.9	38.9
141	57.3	46.1	69.1



Instrument :
BNA_B
ClientSampleId :
MDL-04-S

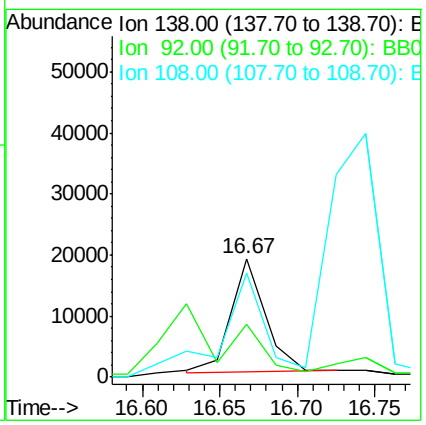
Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

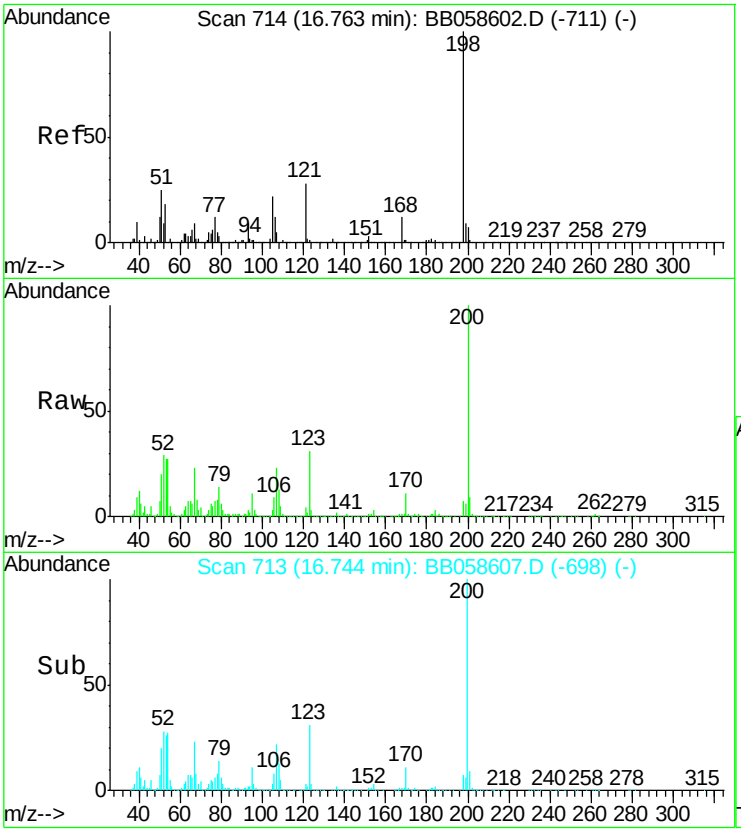


#60
4-Nitroaniline
Concen: 1.58 ng/ul
RT: 16.67 min Scan# 709
Delta R.T. -0.02 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion:138 Resp: 28523

Ion	Ratio	Lower	Upper
138	100		
92	44.3	43.5	65.3
108	87.4	80.3	120.5





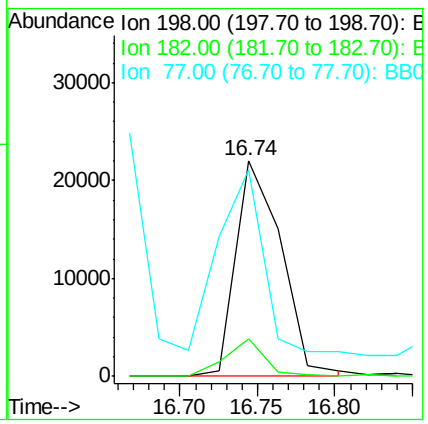
#63
4,6-Dinitro-2-methylphenol
Concen: 2.49 ng/ul
RT: 16.74 min Scan# 713
Delta R.T. -0.02 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

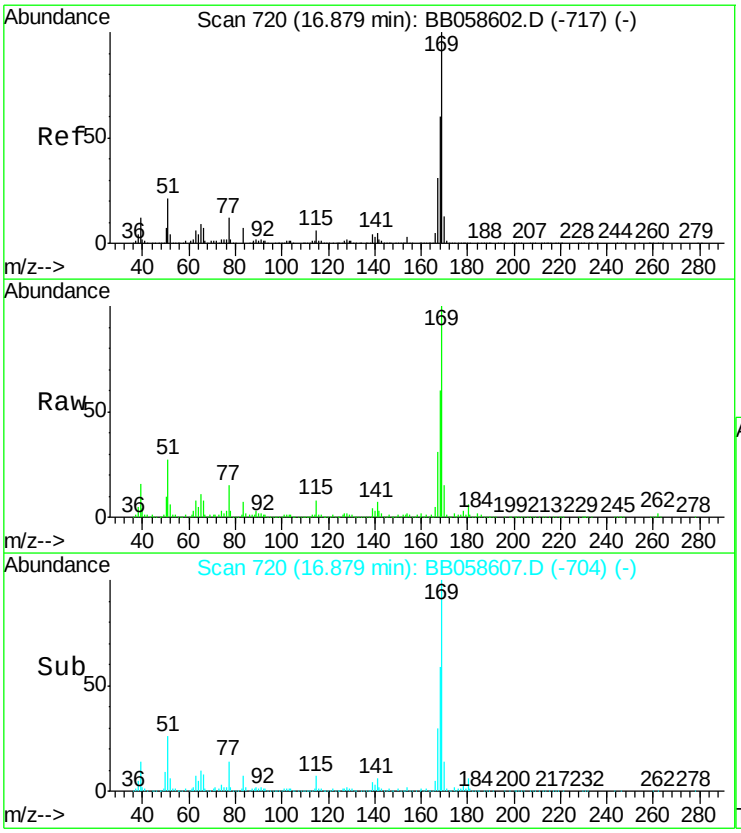
Instrument :
BNA_B
ClientSampleId :
MDL-04-S

Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

Tgt Ion:198 Resp: 45250

Ion	Ratio	Lower	Upper
198	100		
182	17.4	3.3	4.9#
77	95.7	21.8	32.6#

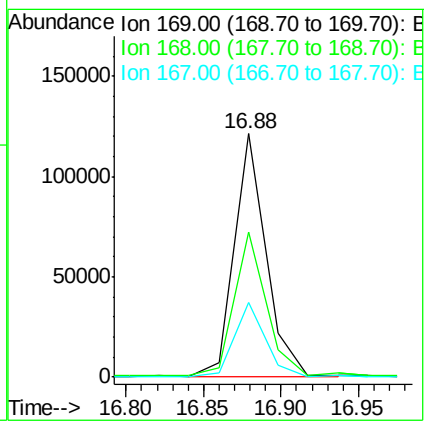


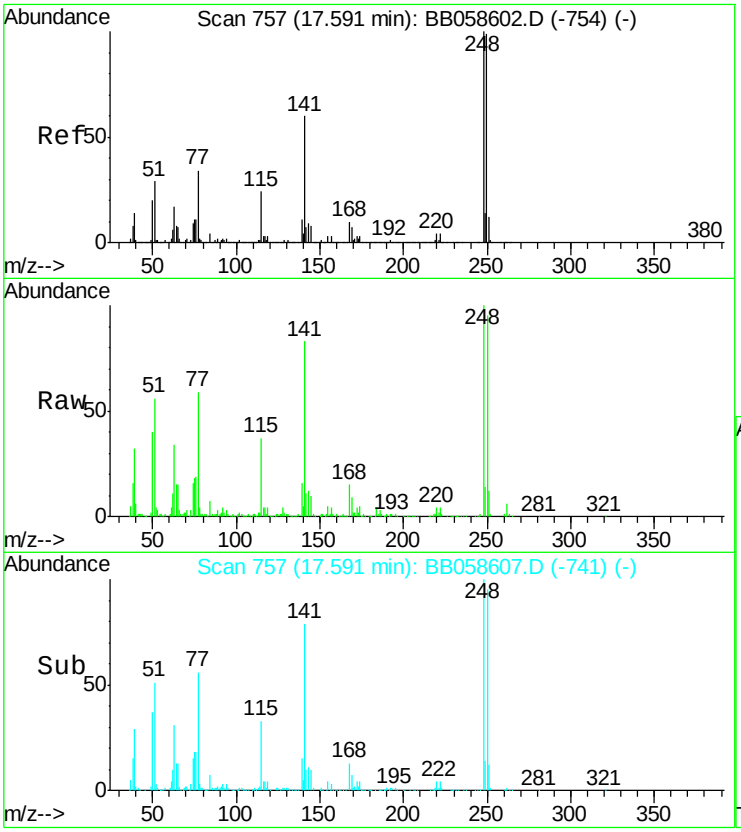


#64
N-Nitrosodiphenylamine
Concen: 3.15 ng/ul
RT: 16.88 min Scan# 720
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion:169 Resp: 174181

Ion	Ratio	Lower	Upper
169	100		
168	59.5	52.6	79.0
167	30.5	28.6	43.0

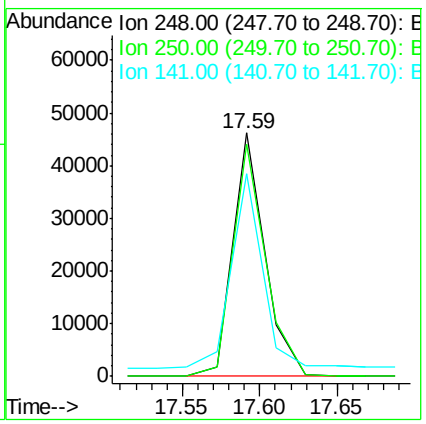




#65
4-Bromophenyl-phenylether
Concen: 3.07 ng/ul
RT: 17.59 min Scan# 757
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

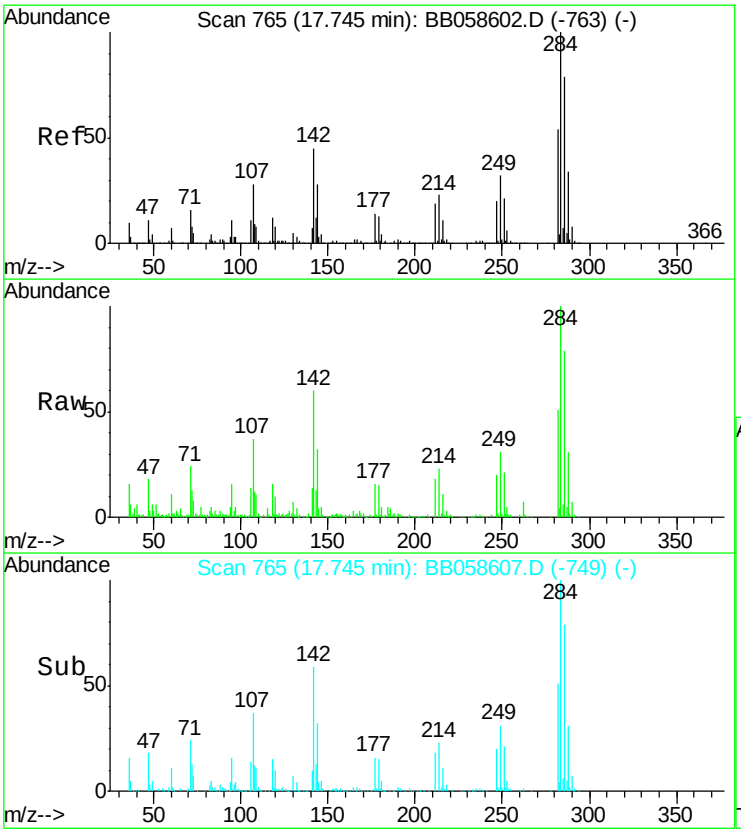
Tgt Ion:248 Resp: 67397

Ion	Ratio	Lower	Upper
248	100		
250	95.4	79.7	119.5
141	83.1	58.3	87.5



Instrument :
BNA_B
ClientSampleId :
MDL-04-S

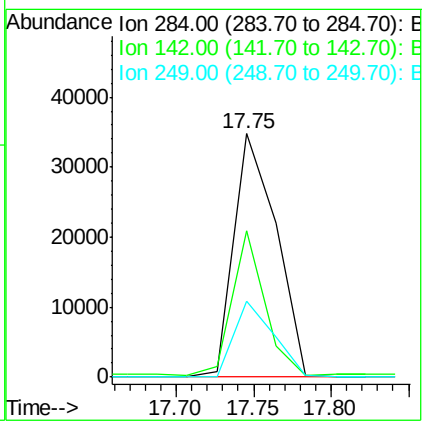
Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

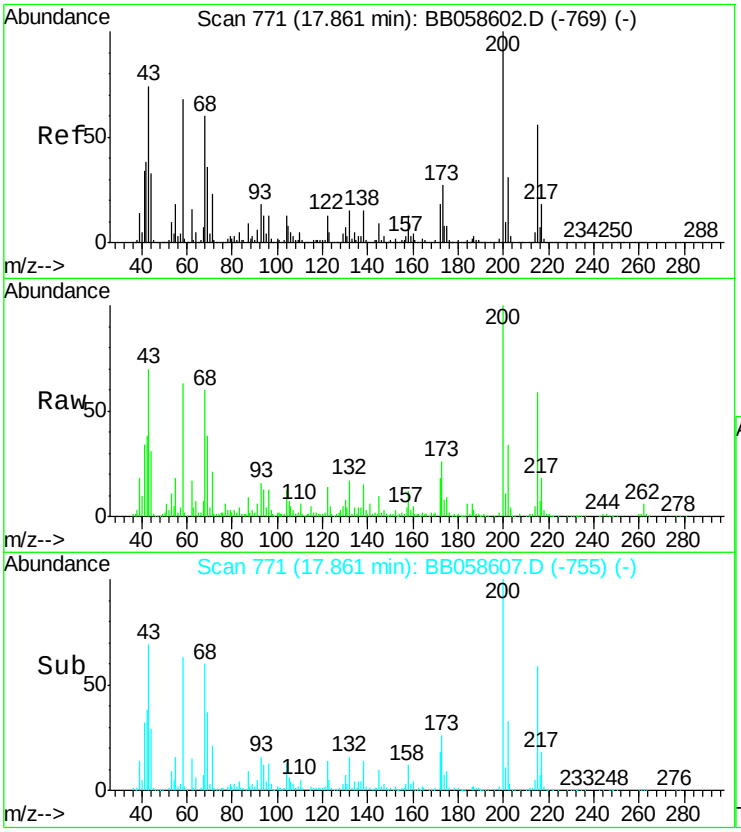


#66
Hexachlorobenzene
Concen: 3.03 ng/ul
RT: 17.75 min Scan# 765
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion:284 Resp: 66780

Ion	Ratio	Lower	Upper
284	100		
142	59.9	24.9	37.3#
249	32.9	25.5	38.3

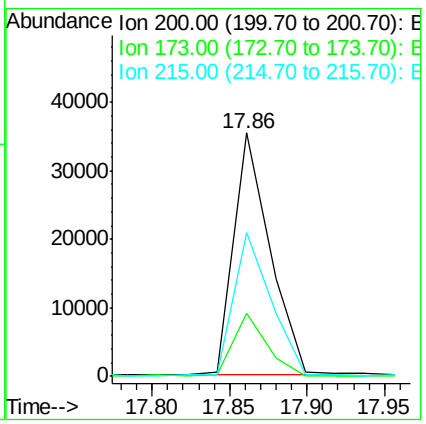




#67
Atrazine
Concen: 2.77 ng/ul
RT: 17.86 min Scan# 771
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

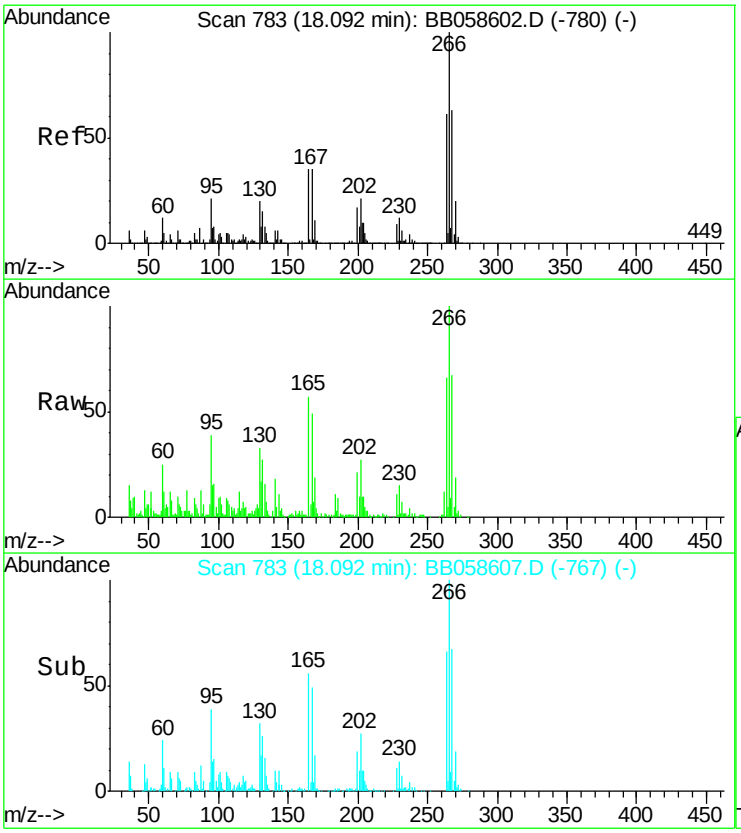
Tgt Ion:200 Resp: 58365

Ion	Ratio	Lower	Upper
200	100		
173	25.8	18.9	28.3
215	59.3	39.5	59.3#



Instrument :
BNA_B
ClientSampleId :
MDL-04-S

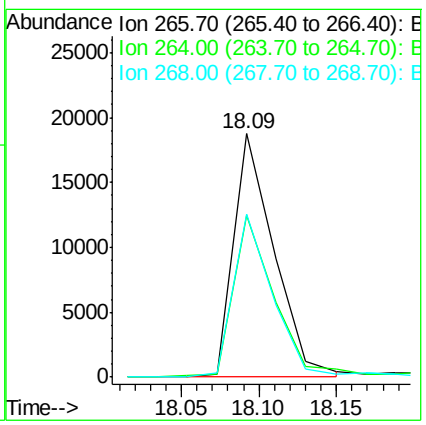
Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

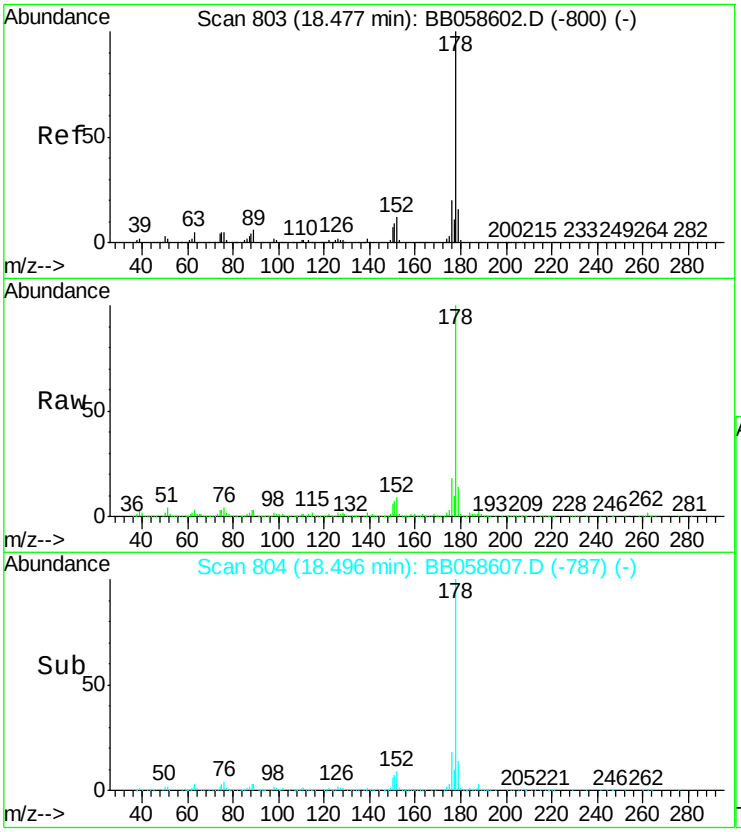


#68
Pentachlorophenol
Concen: 2.20 ng/ul
RT: 18.09 min Scan# 783
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion:266 Resp: 34324

Ion	Ratio	Lower	Upper
266	100		
264	66.3	50.6	75.8
268	67.0	51.0	76.6

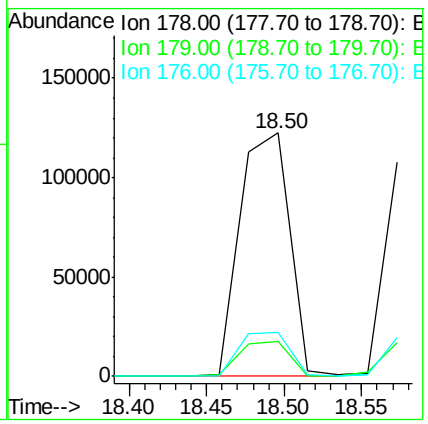




#69
Phenanthrene
Concen: 3.22 ng/ul
RT: 18.50 min Scan# 804
Delta R.T. 0.02 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

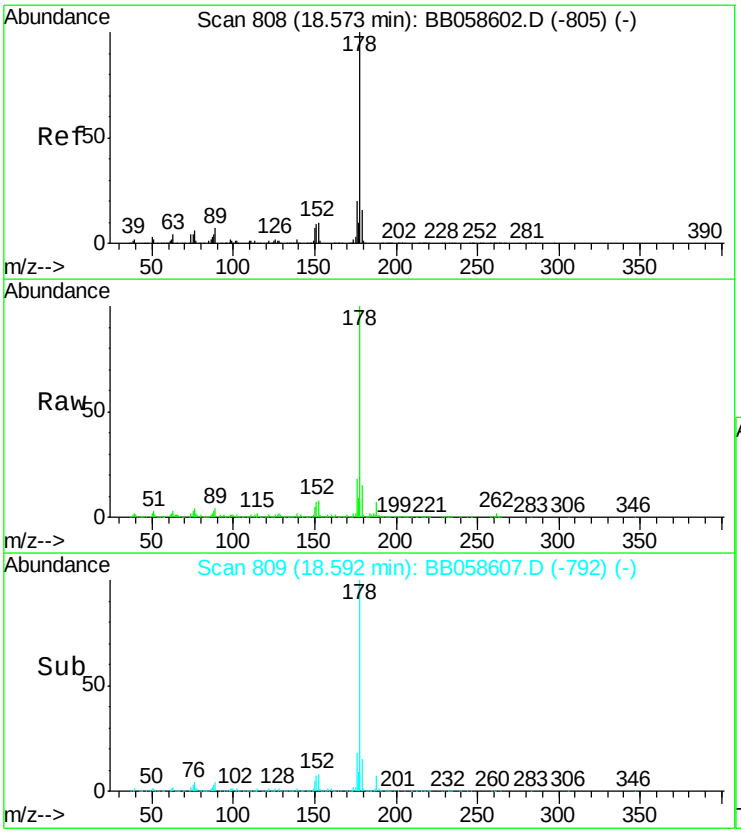
Tgt Ion:178 Resp: 275360

Ion	Ratio	Lower	Upper
178	100		
179	14.1	12.2	18.2
176	18.2	15.1	22.7



Instrument :
BNA_B
ClientSampleId :
MDL-04-S

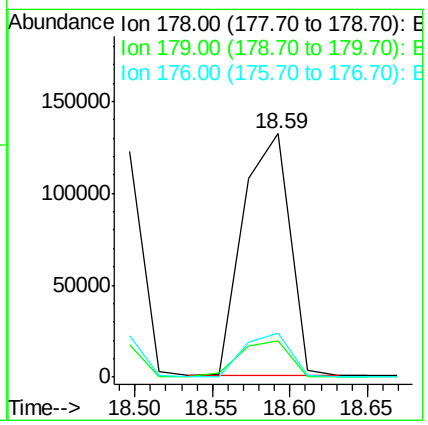
Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

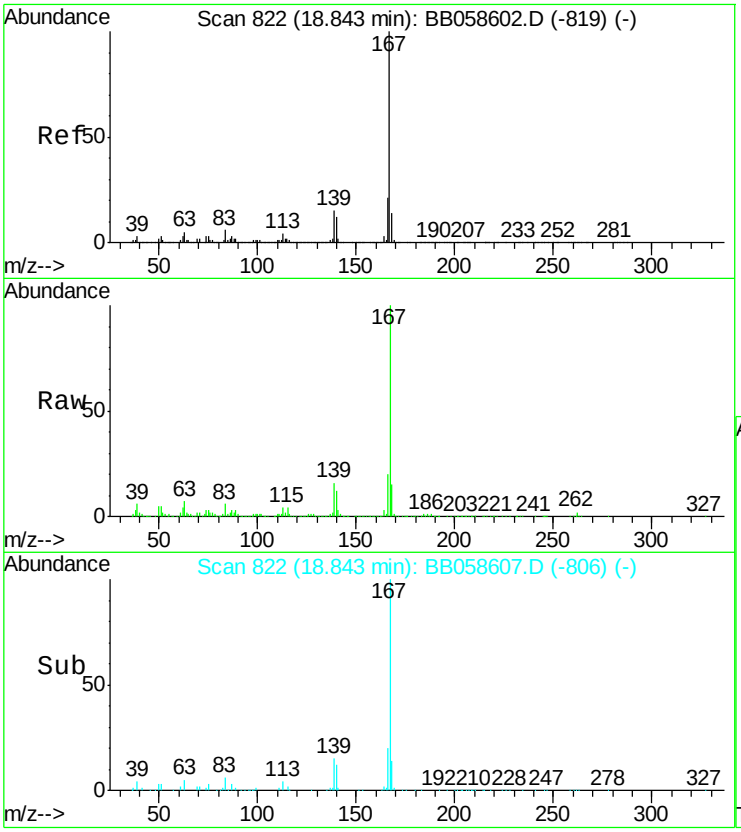


#71
Anthracene
Concen: 3.21 ng/ul
RT: 18.59 min Scan# 809
Delta R.T. 0.02 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion:178 Resp: 280079

Ion	Ratio	Lower	Upper
178	100		
179	14.7	12.1	18.1
176	18.1	14.5	21.7





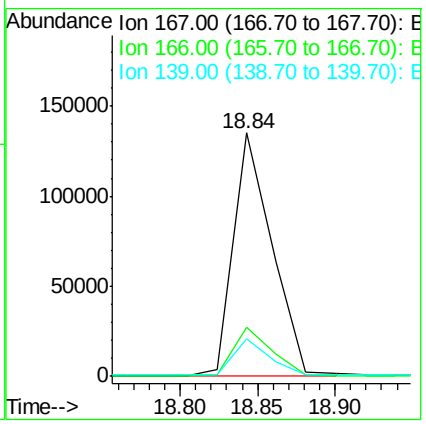
#72
Carbazole
Concen: 3.26 ng/ul
RT: 18.84 min Scan# 822
Delta R.T. 0.00 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

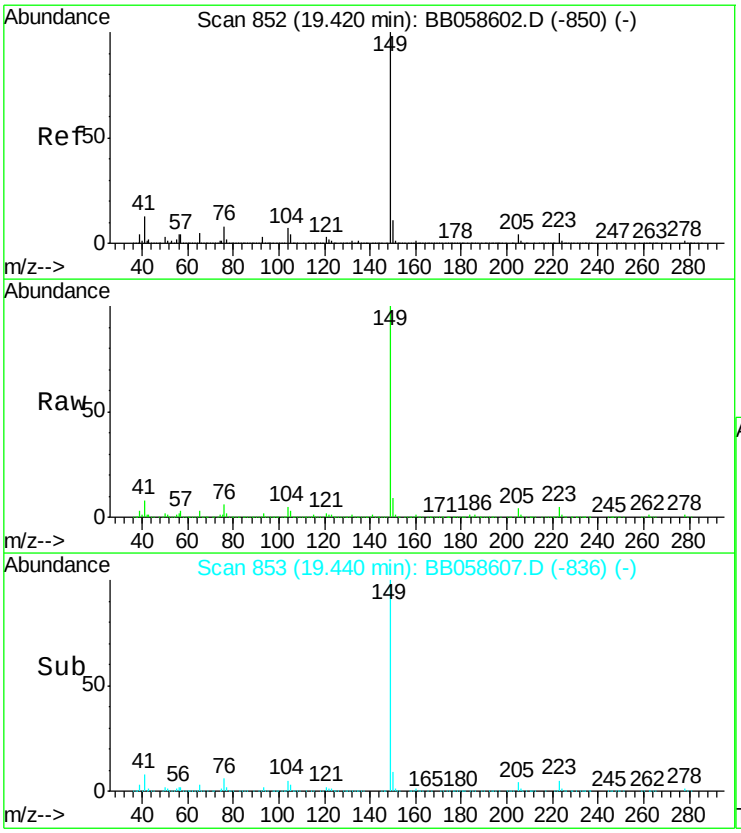
Tgt Ion:167 Resp: 237632

Ion	Ratio	Lower	Upper
167	100		
166	20.0	16.6	25.0
139	15.5	10.2	15.4#

Instrument :
BNA_B
ClientSampleId :
MDL-04-S

Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

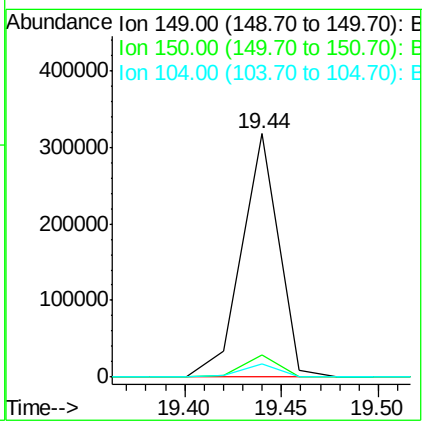


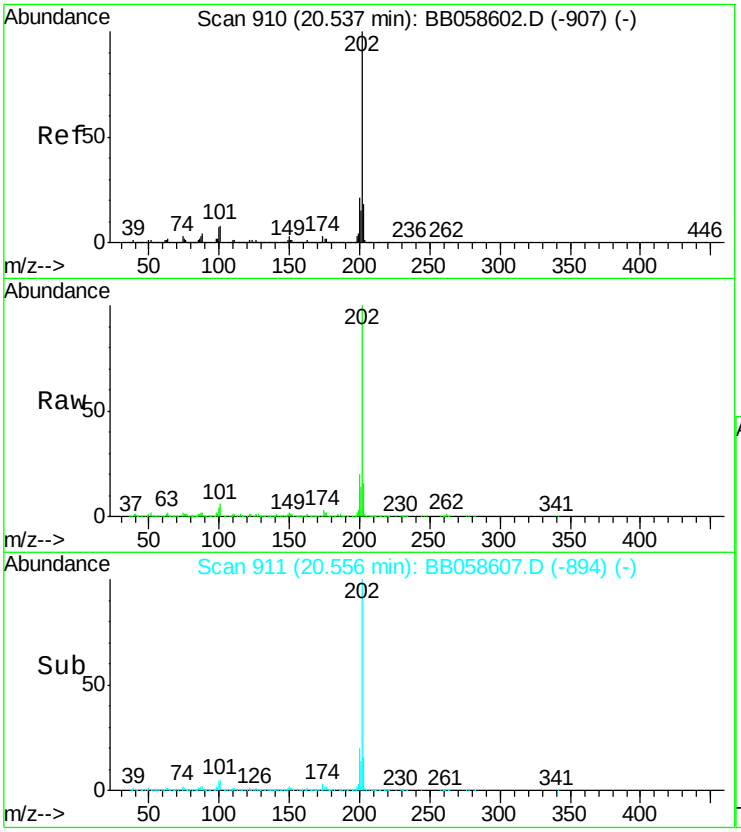


#73
Di-n-butylphthalate
Concen: 3.50 ng/ul
RT: 19.44 min Scan# 853
Delta R.T. 0.02 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion:149 Resp: 416546

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.6	11.4
104	5.4	4.6	7.0

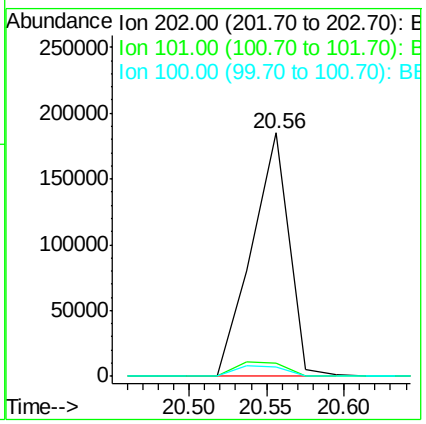




#74
Fluoranthene
Concen: 3.58 ng/ul
RT: 20.56 min Scan# 911
Delta R.T. 0.02 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

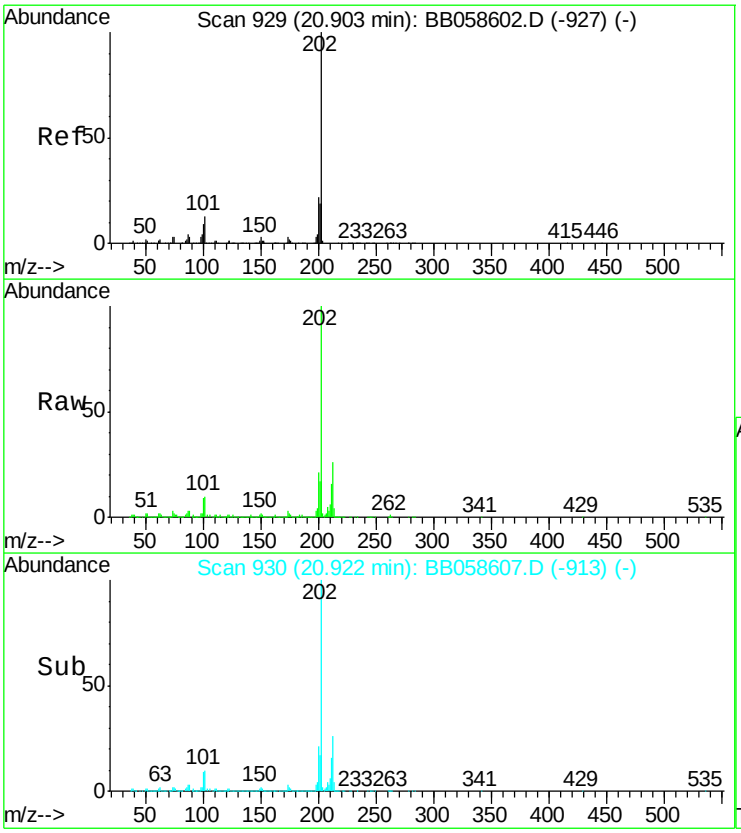
Tgt Ion:202 Resp: 311452

Ion	Ratio	Lower	Upper
202	100		
101	5.6	6.9	10.3#
100	3.9	5.4	8.0#



Instrument :
BNA_B
ClientSampleId :
MDL-04-S

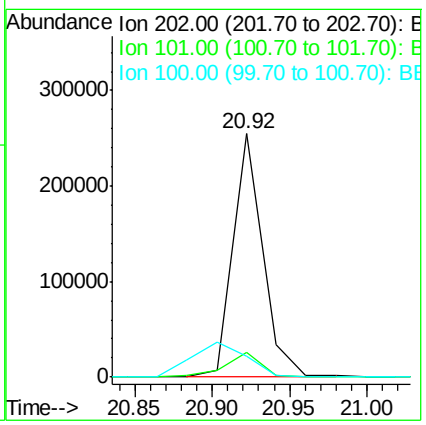
Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

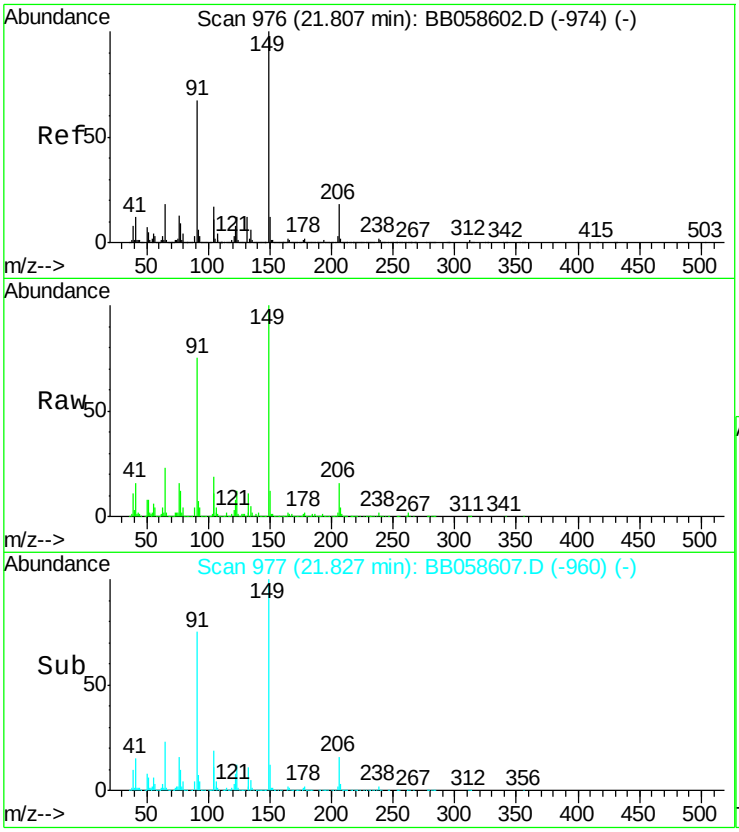


#77
Pyrene
Concen: 3.44 ng/ul
RT: 20.92 min Scan# 930
Delta R.T. 0.02 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion:202 Resp: 340370

Ion	Ratio	Lower	Upper
202	100		
101	10.2	8.4	12.6
100	8.6	6.9	10.3

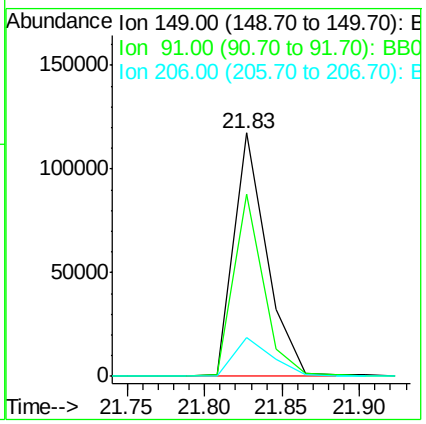




#78
Butylbenzylphthalate
Concen: 2.74 ng/ul
RT: 21.83 min Scan# 977
Delta R.T. 0.02 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

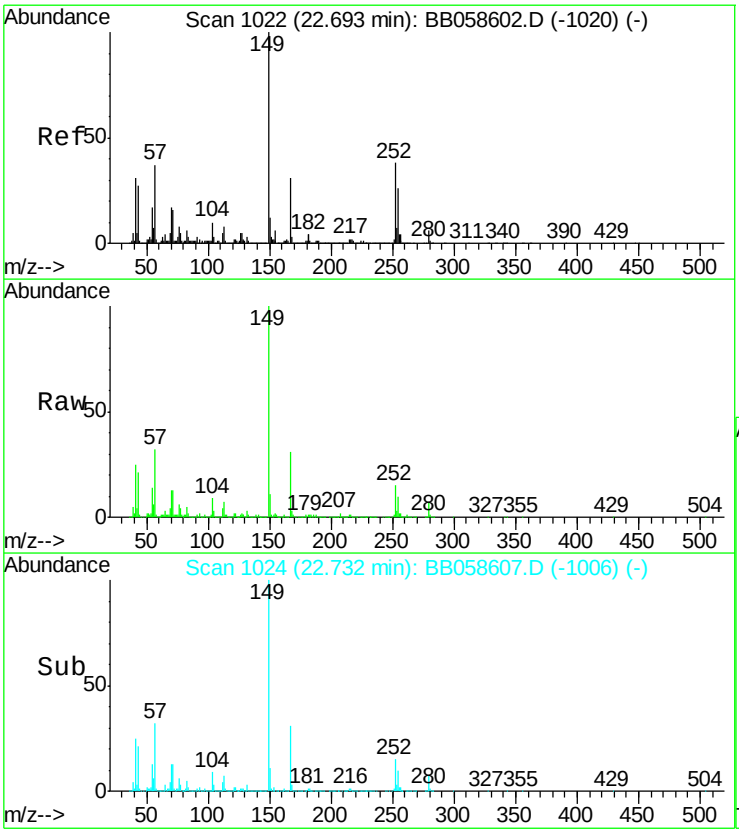
Tgt Ion:149 Resp: 175669

Ion	Ratio	Lower	Upper
149	100		
91	75.0	57.3	85.9
206	16.1	18.6	27.8#



Instrument :
BNA_B
ClientSampleId :
MDL-04-S

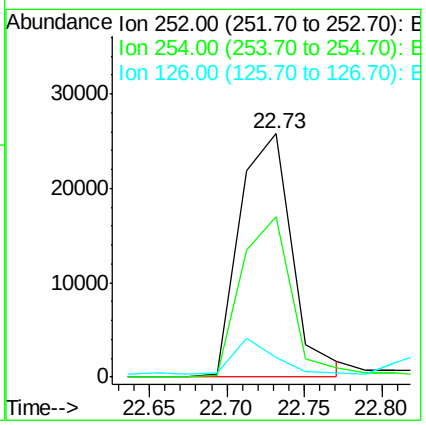
Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

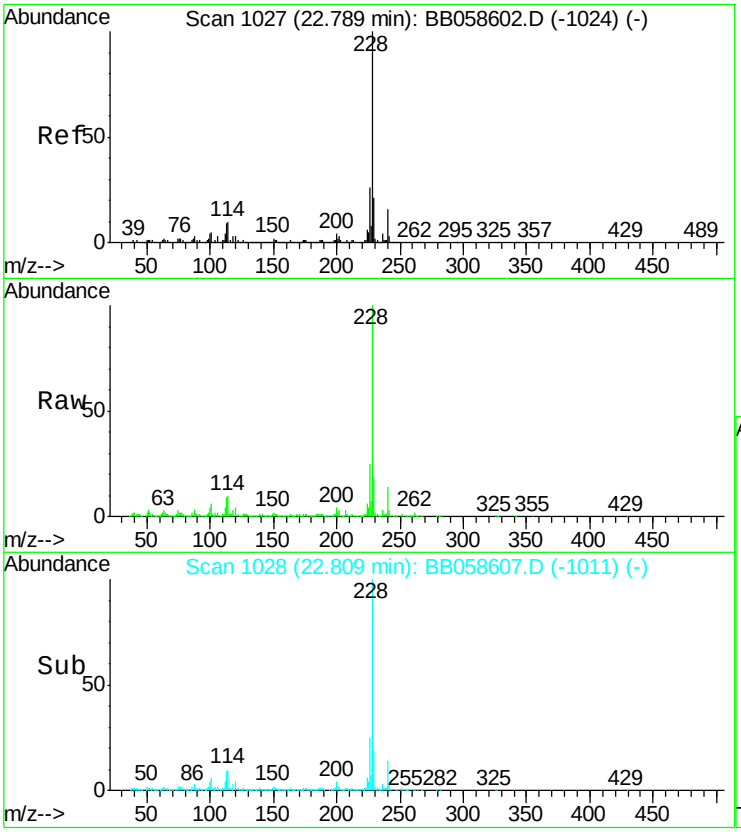


#79
3,3'-Dichlorobenzidine
Concen: 1.84 ng/ul
RT: 22.73 min Scan# 1024
Delta R.T. 0.04 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion:252 Resp: 61447

Ion	Ratio	Lower	Upper
252	100		
254	65.8	51.0	76.4
126	8.1	7.1	10.7

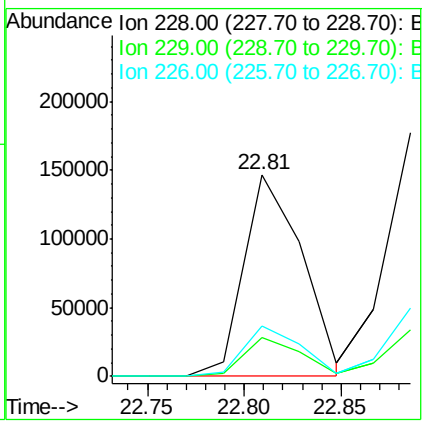




#80
Benzo(a)anthracene
Concen: 3.18 ng/ul
RT: 22.81 min Scan# 1028
Delta R.T. 0.02 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

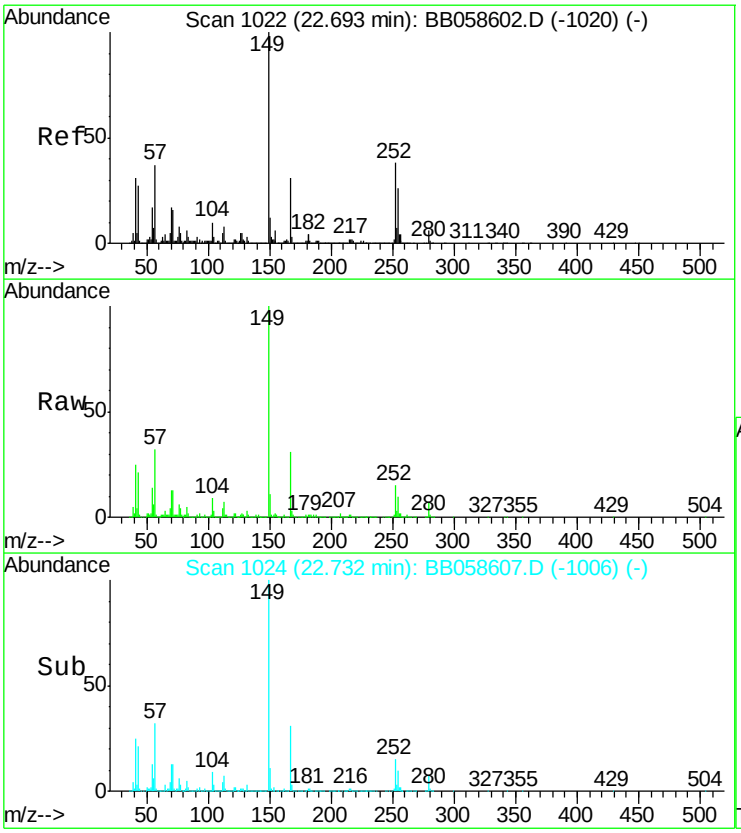
Tgt Ion:228 Resp: 306189

Ion	Ratio	Lower	Upper
228	100		
229	19.4	15.6	23.4
226	25.2	21.8	32.8



Instrument :
BNA_B
ClientSampleId :
MDL-04-S

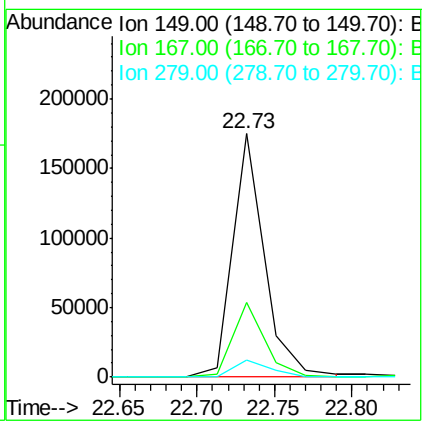
Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

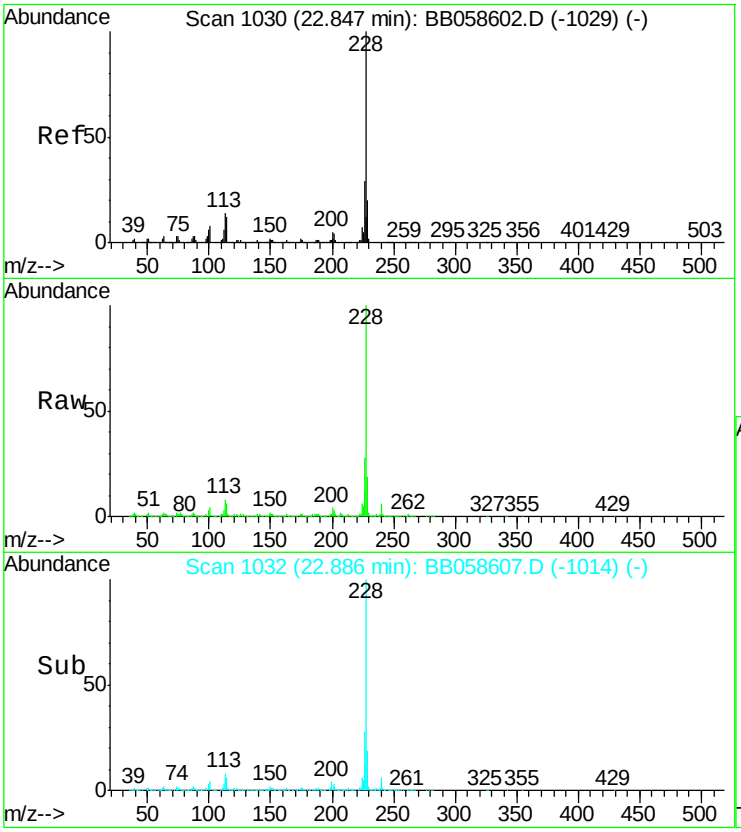


#81
Bis(2-ethylhexyl)phthalate
Concen: 2.95 ng/ul
RT: 22.73 min Scan# 1024
Delta R.T. 0.04 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion:149 Resp: 251814

Ion	Ratio	Lower	Upper
149	100		
167	30.6	23.2	34.8
279	7.2	4.1	6.1#

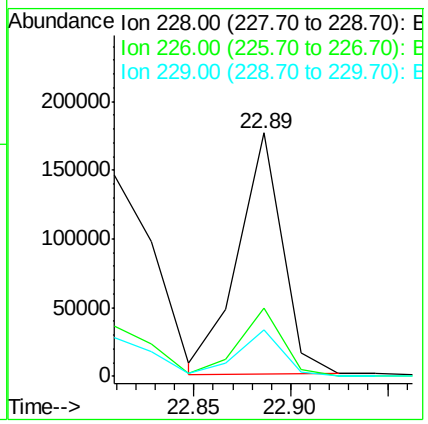




#82
Chrysene
Concen: 3.04 ng/ul
RT: 22.89 min Scan# 1032
Delta R.T. 0.04 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

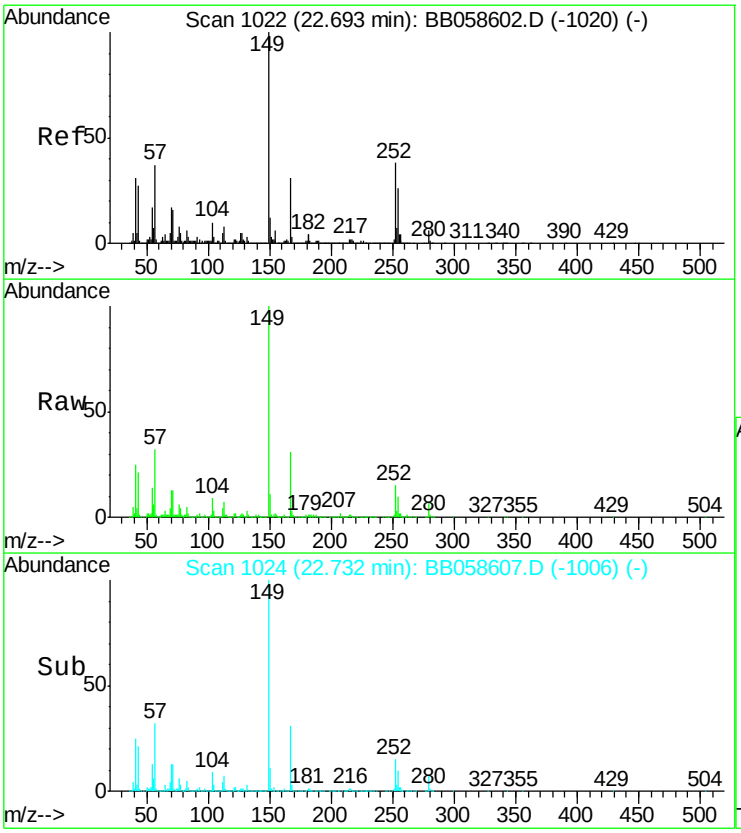
Tgt Ion:228 Resp: 274874

Ion	Ratio	Lower	Upper
228	100		
226	28.1	23.4	35.2
229	19.2	15.5	23.3



Instrument :
BNA_B
ClientSampleId :
MDL-04-S

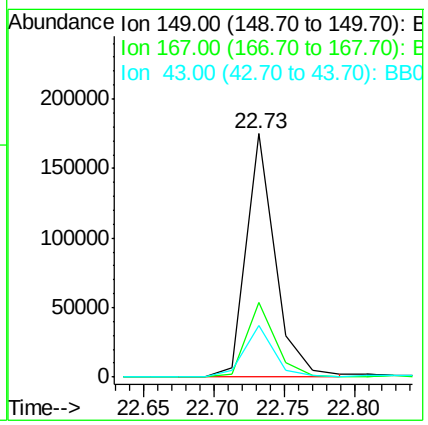
Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

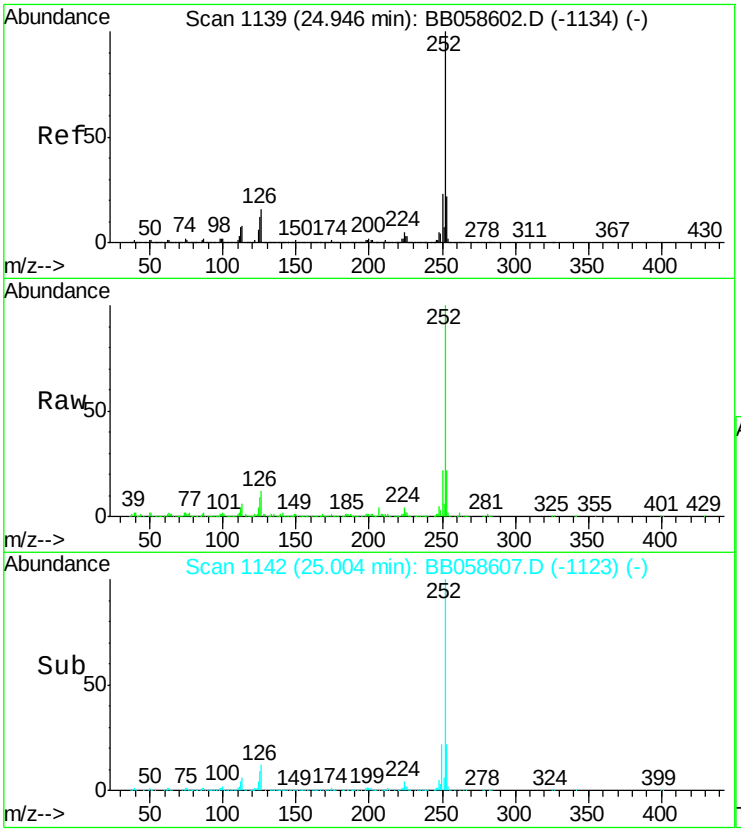


#84
Di-n-octyl phthalate
Concen: 3.23 ng/ul m
RT: 22.73 min Scan# 1024
Delta R.T. 0.04 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion:149 Resp: 252645

Ion	Ratio	Lower	Upper
149	100		
167	30.6	1.3	1.9#
43	21.3	6.6	10.0#

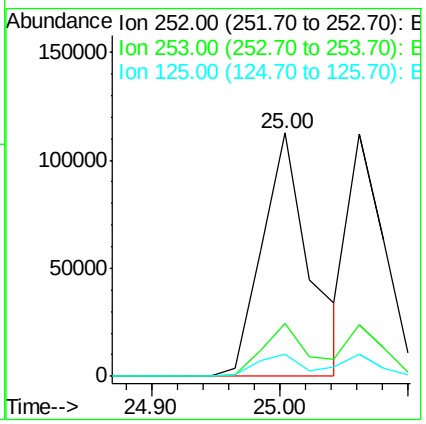




#85
Benzo(b)fluoranthene
Concen: 2.95 ng/ul m
RT: 25.00 min Scan# 1142
Delta R.T. 0.06 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

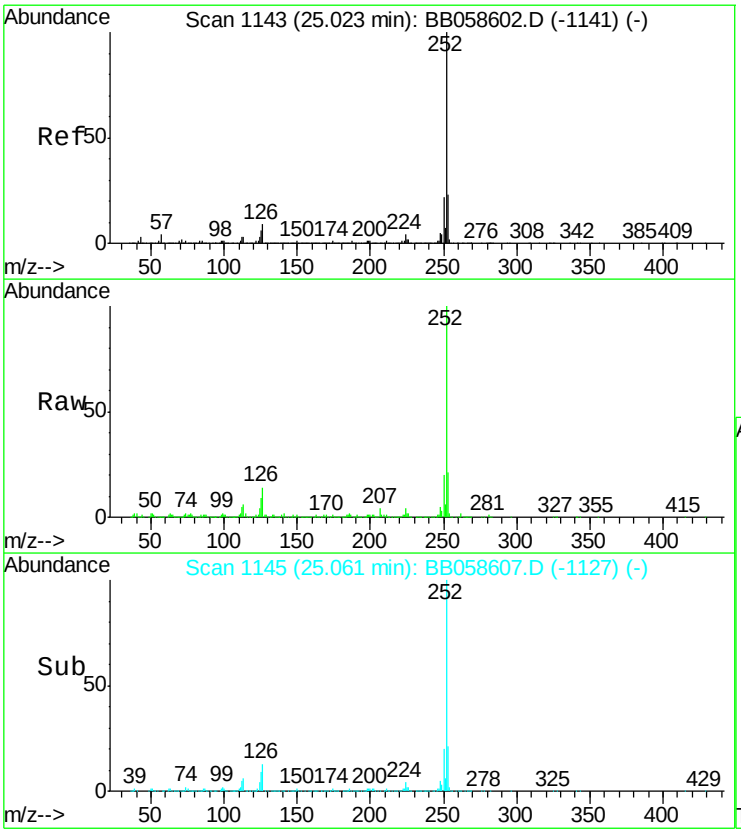
Tgt Ion:252 Resp: 293000

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	8.9	5.8	8.8#



Instrument :
BNA_B
ClientSampleId :
MDL-04-S

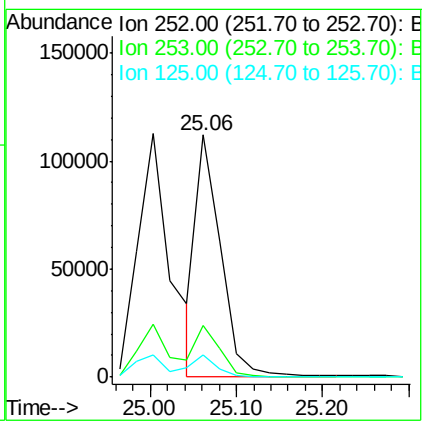
Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

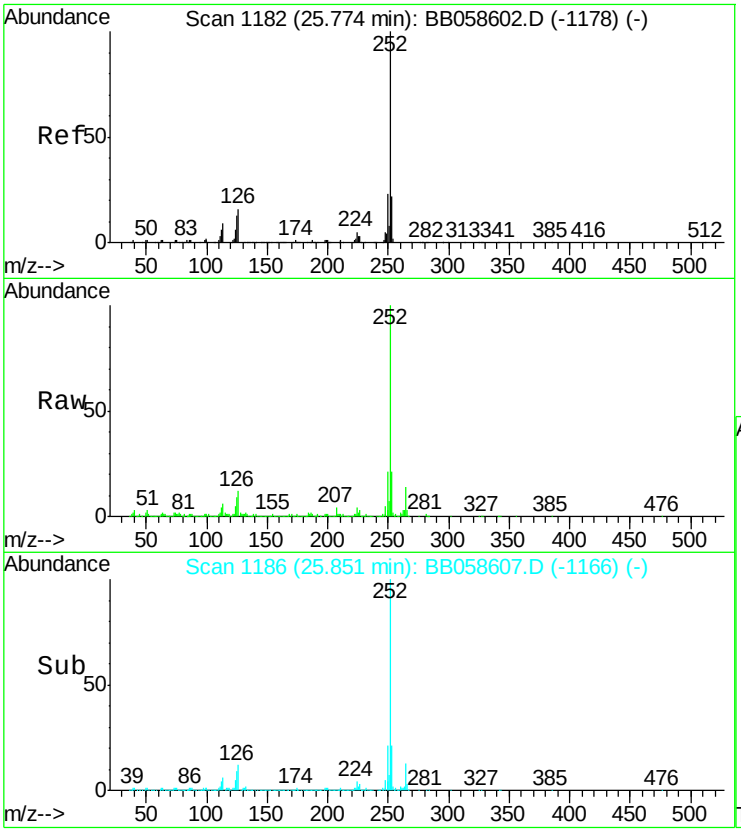


#86
Benzo(k)fluoranthene
Concen: 2.88 ng/ul
RT: 25.06 min Scan# 1145
Delta R.T. 0.04 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion:252 Resp: 221795

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.6	26.4
125	9.3	5.7	8.5#

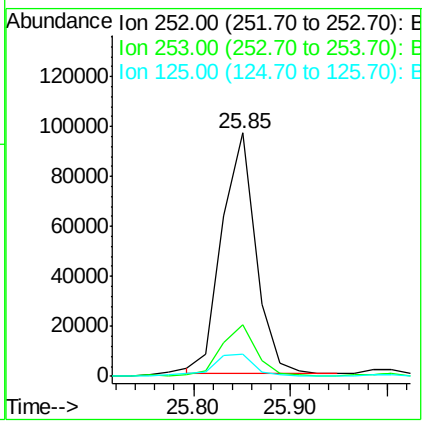




#88
Benzo(a)pyrene
Concen: 2.76 ng/ul
RT: 25.85 min Scan# 1186
Delta R.T. 0.08 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

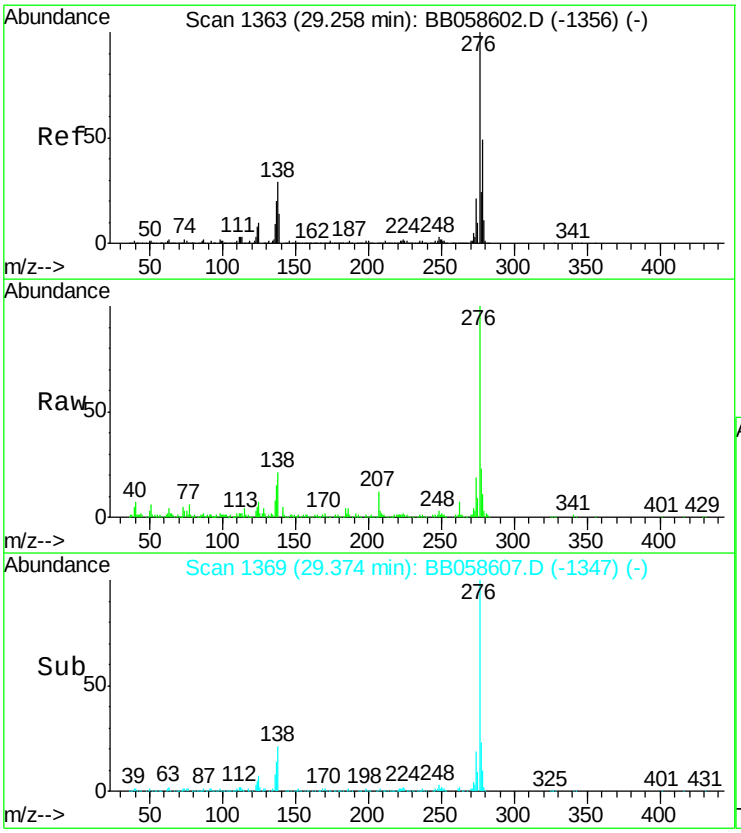
Tgt Ion:252 Resp: 230610

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.7	26.5
125	9.1	6.6	9.8



Instrument :
BNA_B
ClientSampleId :
MDL-04-S

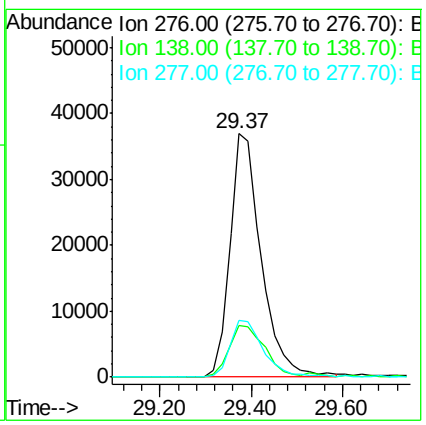
Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM

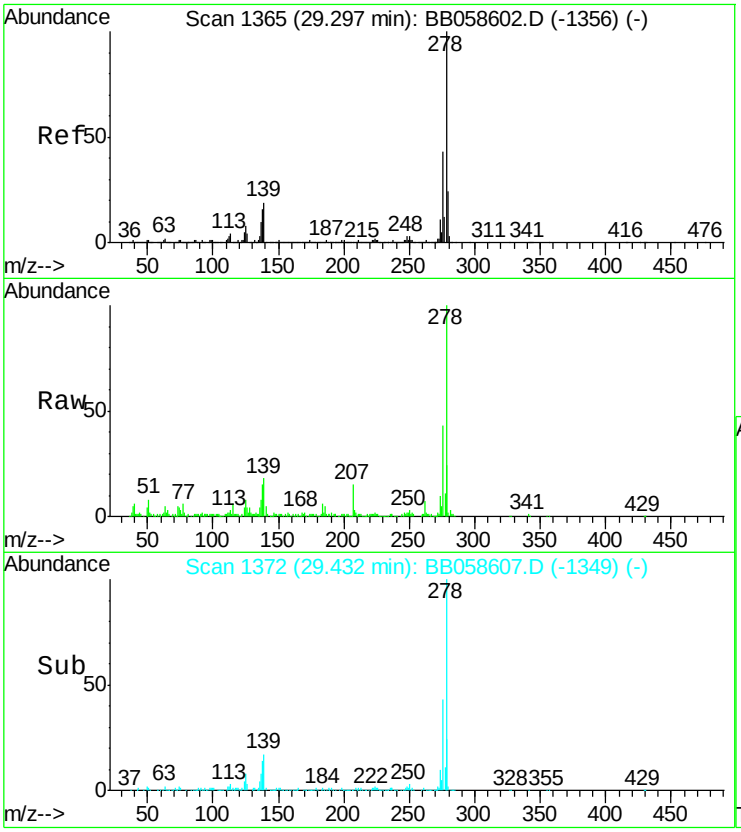


#89
Indeno(1,2,3-cd)pyrene
Concen: 2.43 ng/ul
RT: 29.37 min Scan# 1369
Delta R.T. 0.12 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion:276 Resp: 177430

Ion	Ratio	Lower	Upper
276	100		
138	21.2	13.9	20.9#
277	23.4	20.1	30.1

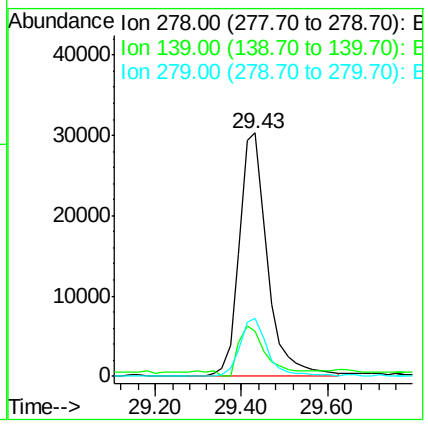




#90
Dibenzo(a,h)anthracene
Concen: 2.29 ng/ul
RT: 29.43 min Scan# 1372
Delta R.T. 0.14 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

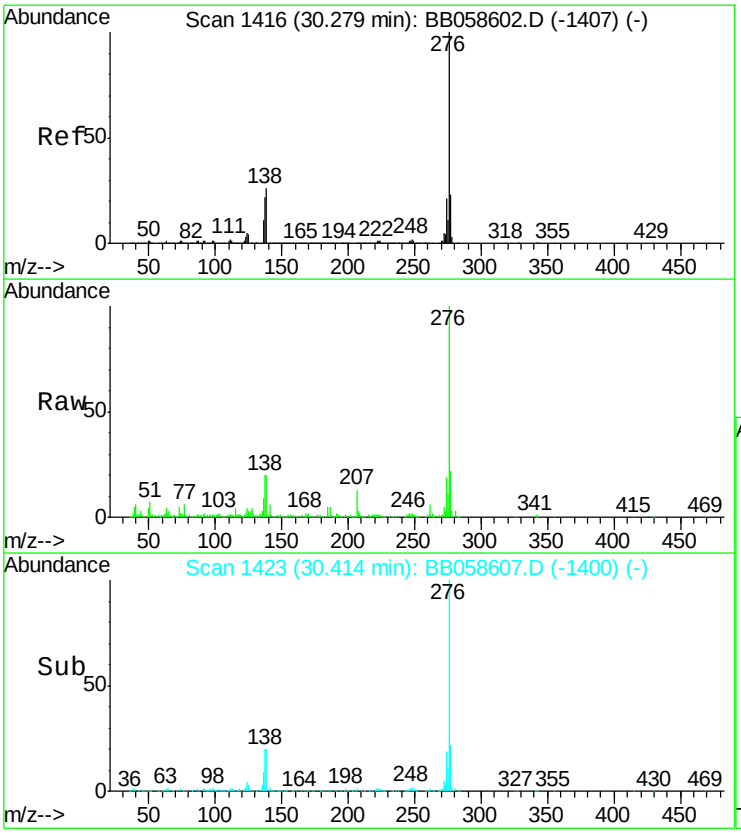
Tgt Ion:278 Resp: 138469

Ion	Ratio	Lower	Upper
278	100		
139	18.4	9.5	14.3#
279	23.8	19.1	28.7



Instrument :
BNA_B
ClientSampleId :
MDL-04-S

Manual Integrations APPROVED
umangi
10/11/2016 7:10:57 PM



#91
Benzo(g,h,i)perylene
Concen: 2.54 ng/ul
RT: 30.41 min Scan# 1423
Delta R.T. 0.13 min
Lab File: BB058607.D
Acq: 11 Oct 2016 16:01

Tgt Ion:276 Resp: 146179

Ion	Ratio	Lower	Upper
276	100		
138	20.0	13.5	20.3
277	21.7	19.3	28.9