Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082416\
Data File : BM007287.D
Acq On : 24 Aug 2016 21:38
Operator : UM/SJ
Sample : MDL-02-S-ML
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

Quant Time: Aug 25 10:23:05 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 25 10:16:08 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	247524	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	1233129	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.43	164	913809	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	2577391	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	3814598	20.00	ng/ul	0.00
83) Perylene-d12	23.63	264	4310453	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.31	96	10935	2.26	ng/uL	0.00
5) Phenol-d5	6.97	99	469003	20.06	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	271526	22.10	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	364489	21.09	ng/ul	0.00
13) 4-Methylphenol-d8	8.50	113	417648	20.48	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	202566	22.38	ng/ul	0.00
22) 2-Nitrophenol-d4	9.67	143	243249	23.01	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	426025	20.24	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	610104	23.24	ng/ul	0.00
43) Dimethylphthalate-d6	13.84	166	1923091	24.39	ng/ul	0.00
46) Acenaphthylene-d8	14.12	160	2080373	22.77	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	360792	24.24	ng/ul	0.00
57) Fluorene-d10	15.43	176	1589449	23.31	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	382059	23.57	ng/ul	0.00
70) Anthracene-d10	17.27	188	2823873	23.45	ng/ul	0.00
76) Pyrene-d10	19.57	212	3771637	23.65	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.49	264	4791522	24.13	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.35	88	2458m	0.46	ng/uL	
4) Benzaldehyde	6.95	77	28547	2.14	ng/ul	95
6) Phenol	6.99	94	38738	1.60	ng/ul#	91
8) Bis(2-Chloroethyl)ether	7.23	93	31733	1.88	ng/ul	95
10) 2-Chlorophenol	7.36	128	29337	1.66	ng/ul	92
11) 2-Methylphenol	8.24	108	29076	1.53	ng/ul	96
12) 2,2'-oxybis(1-Chloropropan	8.33	45	33106	1.74	ng/ul	96
14) Acetophenone	8.62	105	56433	1.80	ng/ul	98
15) N-Nitroso-di-n-propylamine	8.60	70	29012	1.75	ng/ul	95
16) 4-Methylphenol	8.56	108	34693	1.63	ng/ul	91
17) Hexachloroethane	8.87	117	11521	1.67	ng/ul	90
20) Nitrobenzene	8.99	77	42673	1.84	ng/ul	93
21) Isophorone	9.52	82	81876	1.73	ng/ul	97
23) 2-Nitrophenol	9.70	139	19824	1.73	ng/ul#	82
24) 2,4-Dimethylphenol	9.76	107	43626	1.72	ng/ul	97
25) Bis(2-Chloroethoxy)methane	10.00	93	45221	1.69	ng/ul#	98
27) 2,4-Dichlorophenol	10.23	162	34994	1.67	ng/ul	90
28) Naphthalene	10.63	128	107888	1.76	ng/ul	99
30) 4-Chloroaniline	10.75	127	50754	1.88	ng/ul	98
31) Hexachlorobutadiene	10.92	225	25645	1.82	ng/ul	94
32) Caprolactam	11.55	113	15507m	1.84	ng/ul	
33) 4-Chloro-3-methylphenol	11.87	107	41132	1.59	ng/ul	99
34) 2-Methylnaphthalene	12.25	142	89104	1.78	ng/ul	99

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082416\
Data File : BM007287.D
Acq On : 24 Aug 2016 21:38
Operator : UM/SJ
Sample : MDL-02-S-ML
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

Quant Time: Aug 25 10:23:05 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 25 10:16:08 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.62	216	54057	1.78	ng/ul	95
37) Hexachlorocyclopentadiene	12.60	237	23943	1.30	ng/ul	95
38) 2,4,6-Trichlorophenol	12.86	196	33864	1.57	ng/ul	96
39) 2,4,5-Trichlorophenol	12.93	196	36650	1.63	ng/ul	94
40) 1,1'-Biphenyl	13.26	154	126020	1.78	ng/ul	95
41) 2-Chloronaphthalene	13.30	162	98707	1.78	ng/ul	98
42) 2-Nitroaniline	13.52	65	29359	1.62	ng/ul	96
44) Dimethylphthalate	13.89	163	155909	1.99	ng/ul	99
45) 2,6-Dinitrotoluene	14.01	165	26240	1.63	ng/ul#	88
47) Acenaphthylene	14.15	152	170606	1.81	ng/ul	99
48) 3-Nitroaniline	14.34	138	27883	1.70	ng/ul	97
49) Acenaphthene	14.49	153	110062	1.80	ng/ul	99
50) 2,4-Dinitrophenol	14.54	184	12251	1.13	ng/ul#	89
52) 4-Nitrophenol	14.64	109	32585	2.06	ng/ul	91
53) Dibenzofuran	14.83	168	167138	1.83	ng/ul	95
54) 2,4-Dinitrotoluene	14.80	165	45800	1.86	ng/ul	98
55) 2,3,4,6-Tetrachlorophenol	15.06	232	41073	1.78	ng/ul	94
56) Diethylphthalate	15.26	149	159840	1.95	ng/ul	99
58) Fluorene	15.48	166	147672	1.96	ng/ul	96
59) 4-Chlorophenyl-phenylether	15.47	204	75822	1.92	ng/ul	98
60) 4-Nitroaniline	15.50	138	34744	1.87	ng/ul	93
63) 4,6-Dinitro-2-methylphenol	15.56	198	33449	1.93	ng/ul#	43
64) N-Nitrosodiphenylamine	15.69	169	130364	1.81	ng/ul	96
65) 4-Bromophenyl-phenylether	16.37	248	53214	1.83	ng/ul	95
66) Hexachlorobenzene	16.48	284	61194	1.88	ng/ul	99
67) Atrazine	16.64	200	57919	1.91	ng/ul	95
68) Pentachlorophenol	16.83	266	29208	1.39	ng/ul	96
69) Phenanthrene	17.22	178	267641	1.93	ng/ul	98
71) Anthracene	17.30	178	273537	1.91	ng/ul	99
72) Carbazole	17.58	167	248064	2.00	ng/ul	100
73) Di-n-butylphthalate	18.14	149	285134	1.83	ng/ul	99
74) Fluoranthene	19.23	202	369606	2.13	ng/ul	99
77) Pyrene	19.59	202	404896	1.98	ng/ul	97
78) Butylbenzylphthalate	20.49	149	135089	1.59	ng/ul	98
79) 3,3'-Dichlorobenzidine	21.27	252	148413	1.96	ng/ul	97
80) Benzo(a)anthracene	21.34	228	461809	2.05	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.27	149	208821	1.69	ng/ul	99
82) Chrysene	21.39	228	420316	2.06	ng/ul	99
84) Di-n-octyl phthalate	22.16	149	382541	1.78	ng/ul	99
85) Benzo(b)fluoranthene	22.94	252	514989	2.02	ng/ul	98
86) Benzo(k)fluoranthene	22.99	252	477129	2.03	ng/ul	99
88) Benzo(a)pyrene	23.53	252	509222	2.09	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	25.91	276	601123	2.01	ng/ul	98
90) Dibenzo(a,h)anthracene	25.92	278	508839	2.04	ng/ul	99
91) Benzo(g,h,i)perylene	26.61	276	512009	2.01	ng/ul	96

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

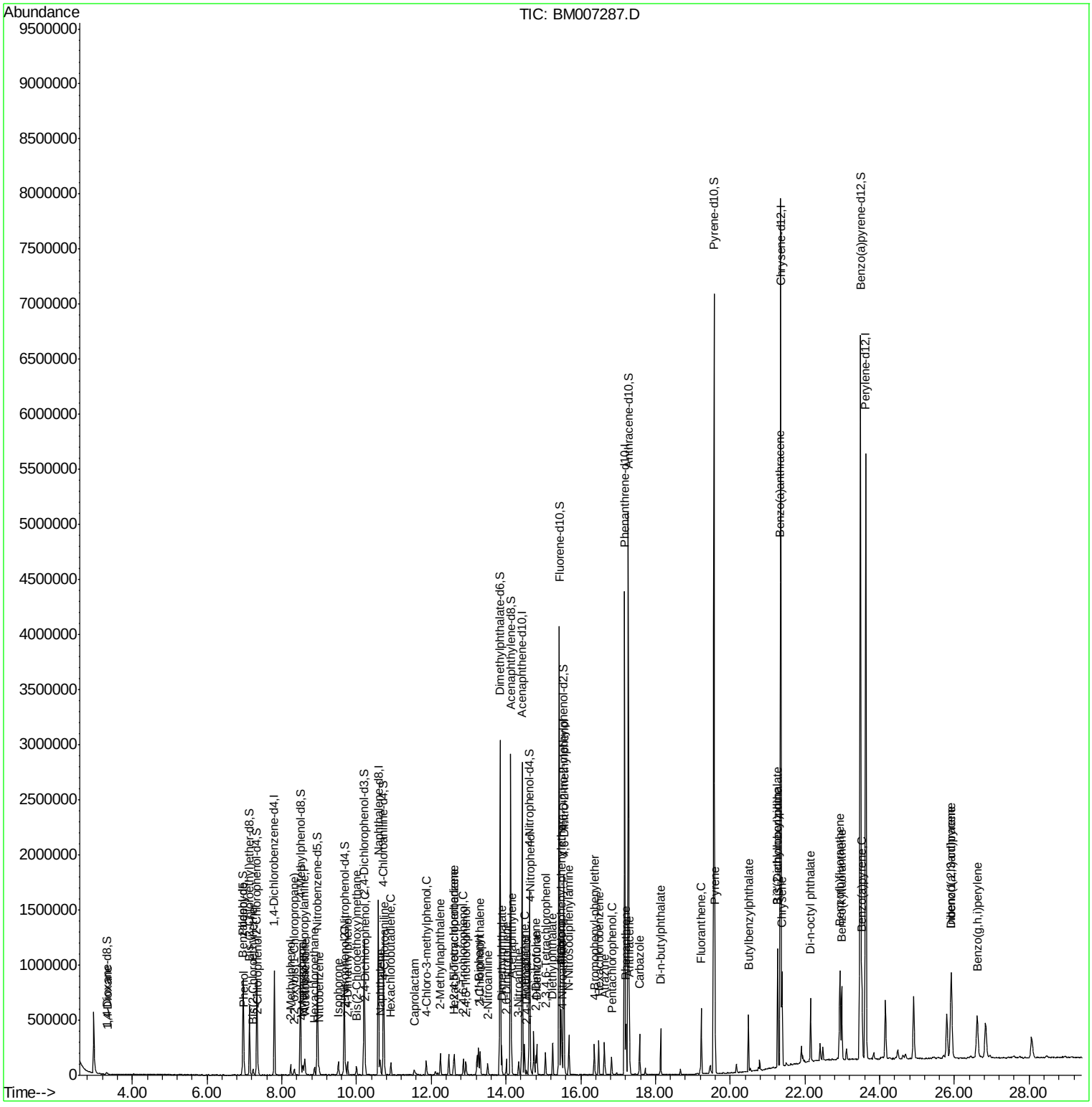
Quantitation Report (QT Reviewed)

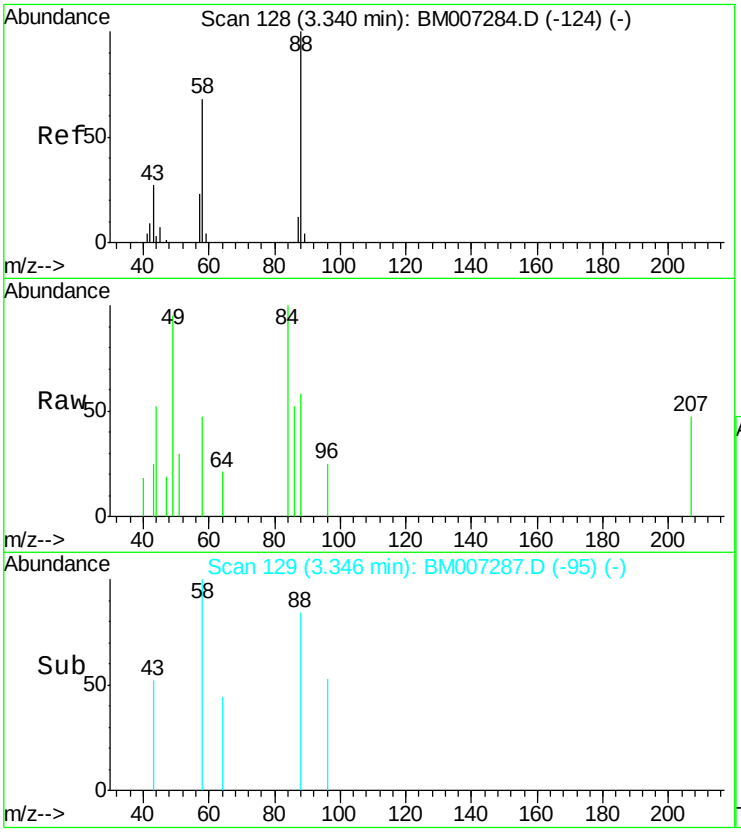
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082416\
Data File : BM007287.D
Acq On : 24 Aug 2016 21:38
Operator : UM/SJ
Sample : MDL-02-S-ML
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 25 10:23:05 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 25 10:16:08 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

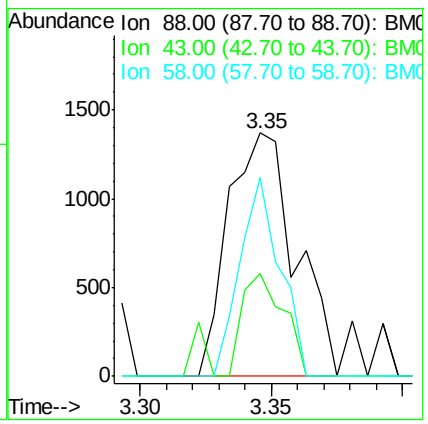




#2
1,4-Dioxane
Concen: 0.46 ng/uL m
RT: 3.35 min Scan# 129
Delta R.T. 0.00 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

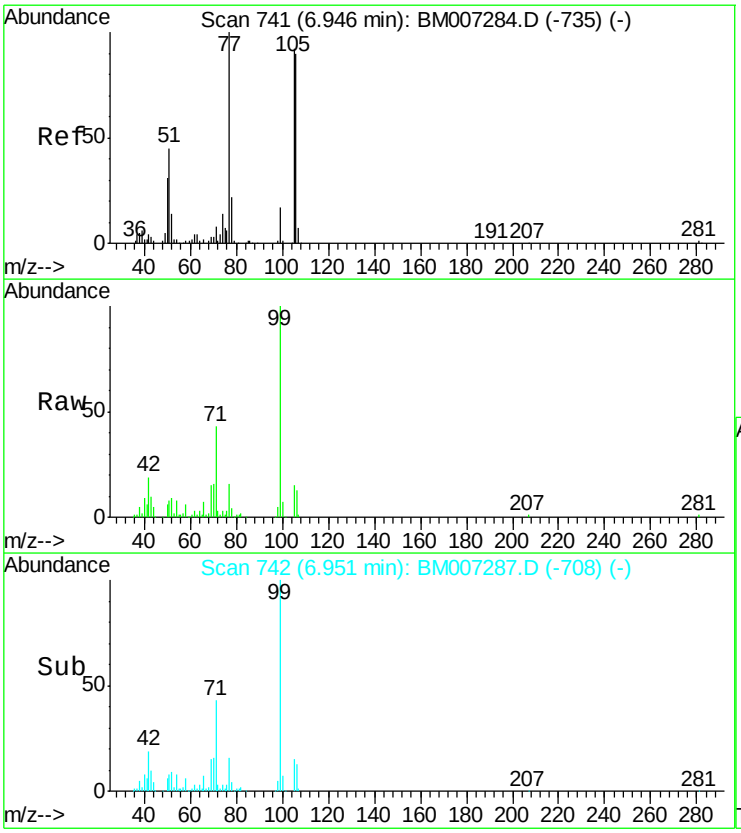
Tgt Ion: 88 Resp: 2458

Ion	Ratio	Lower	Upper
88	100		
43	26.0	22.6	34.0
58	48.7	57.3	85.9#



Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

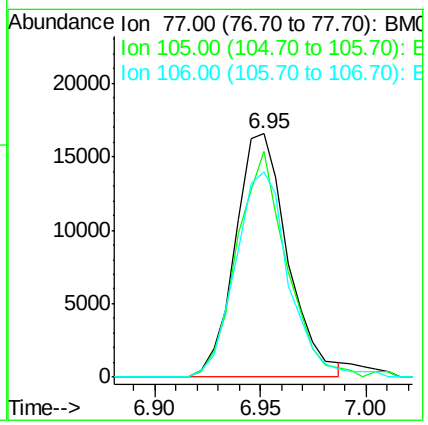
Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

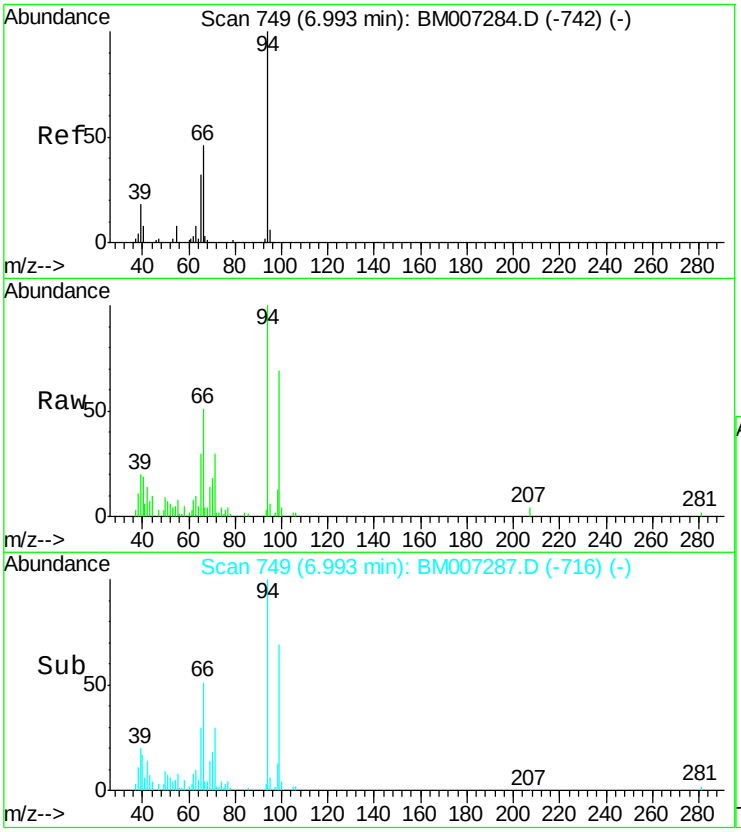


#4
Benzaldehyde
Concen: 2.14 ng/ul
RT: 6.95 min Scan# 742
Delta R.T. 0.00 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion: 77 Resp: 28547

Ion	Ratio	Lower	Upper
77	100		
105	92.7	76.9	115.3
106	84.4	71.8	107.8

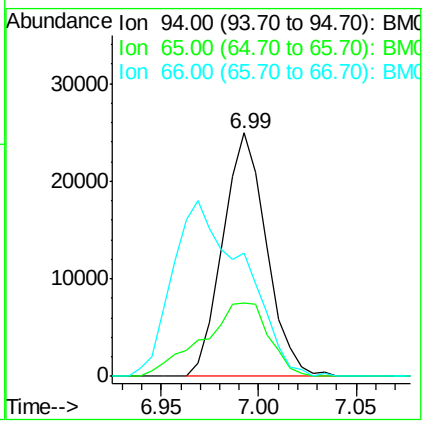




#6
Phenol
Concen: 1.60 ng/ul
RT: 6.99 min Scan# 749
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

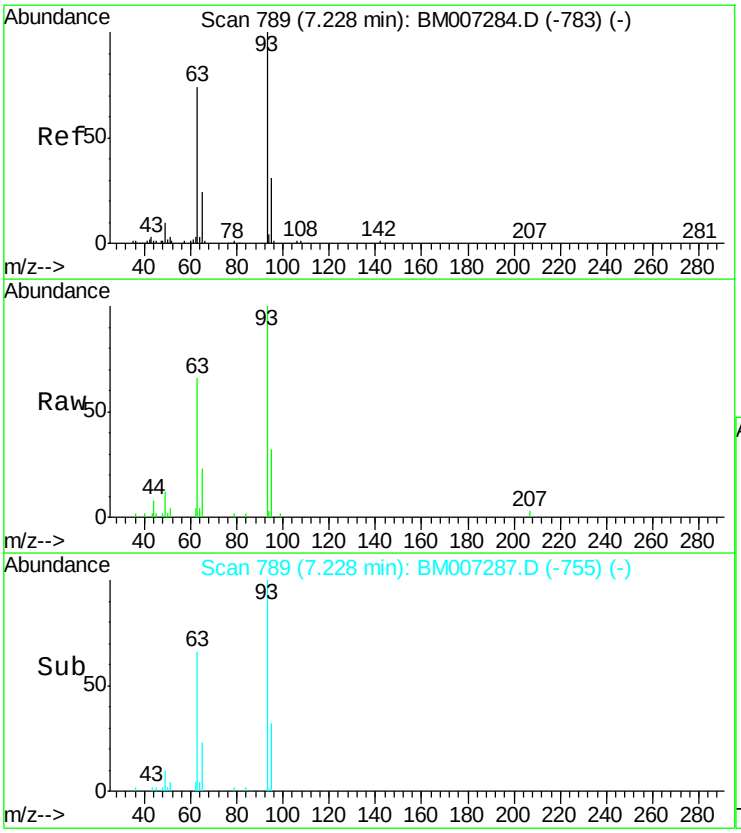
Tgt Ion: 94 Resp: 38738

Ion	Ratio	Lower	Upper
94	100		
65	30.3	23.9	35.9
66	50.8	33.5	50.3#



Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

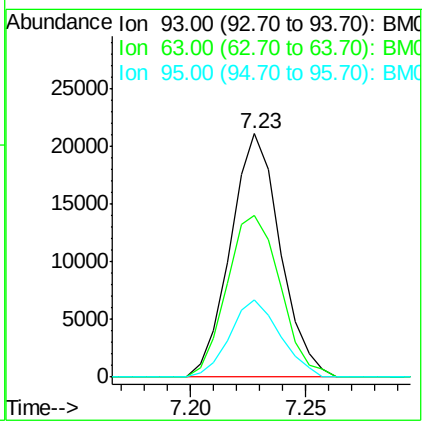
Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

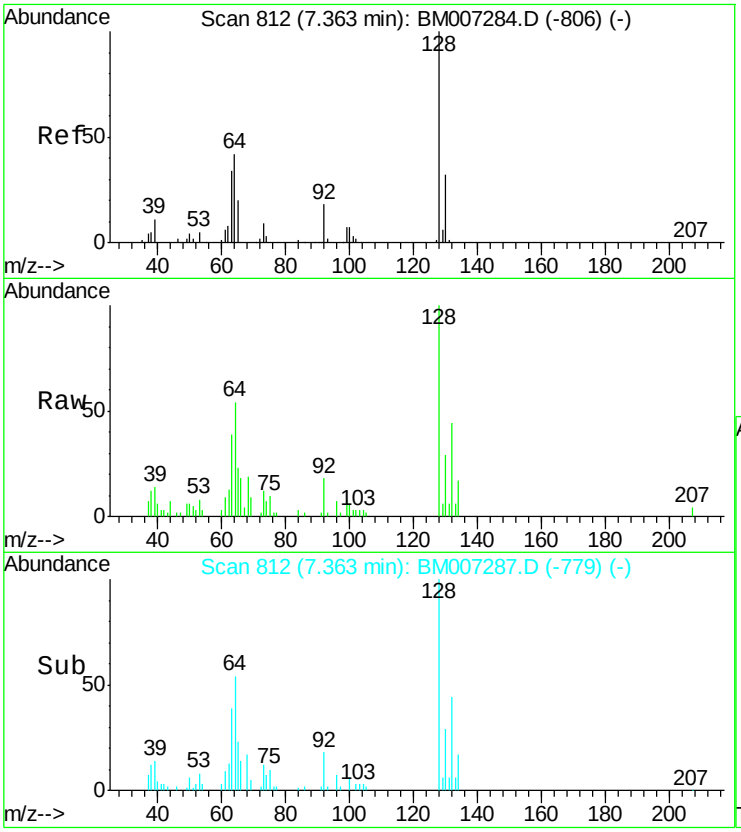


#8
Bis(2-Chloroethyl)ether
Concen: 1.88 ng/ul
RT: 7.23 min Scan# 789
Delta R.T. 0.00 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion: 93 Resp: 31733

Ion	Ratio	Lower	Upper
93	100		
63	66.3	57.3	85.9
95	31.8	25.1	37.7

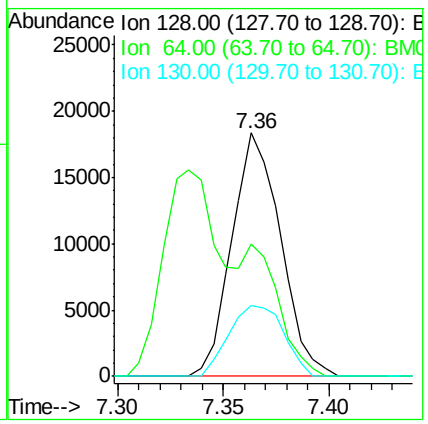




#10
2-Chlorophenol
Concen: 1.66 ng/ul
RT: 7.36 min Scan# 812
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

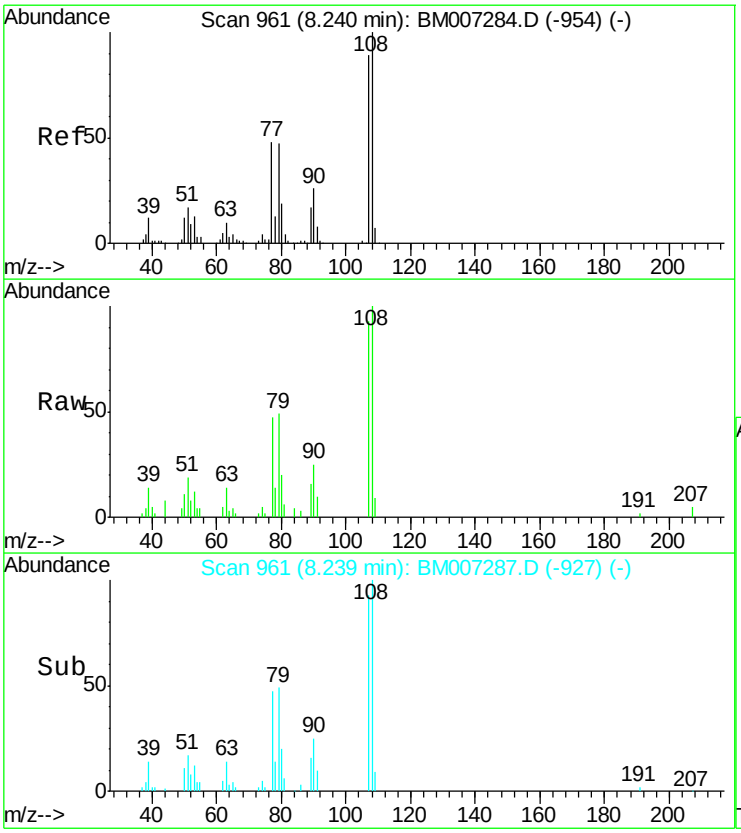
Tgt Ion:128 Resp: 29337

Ion	Ratio	Lower	Upper
128	100		
64	54.2	37.5	56.3
130	29.1	25.0	37.4



Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

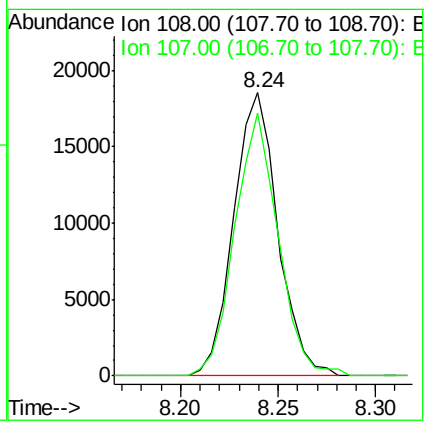
Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

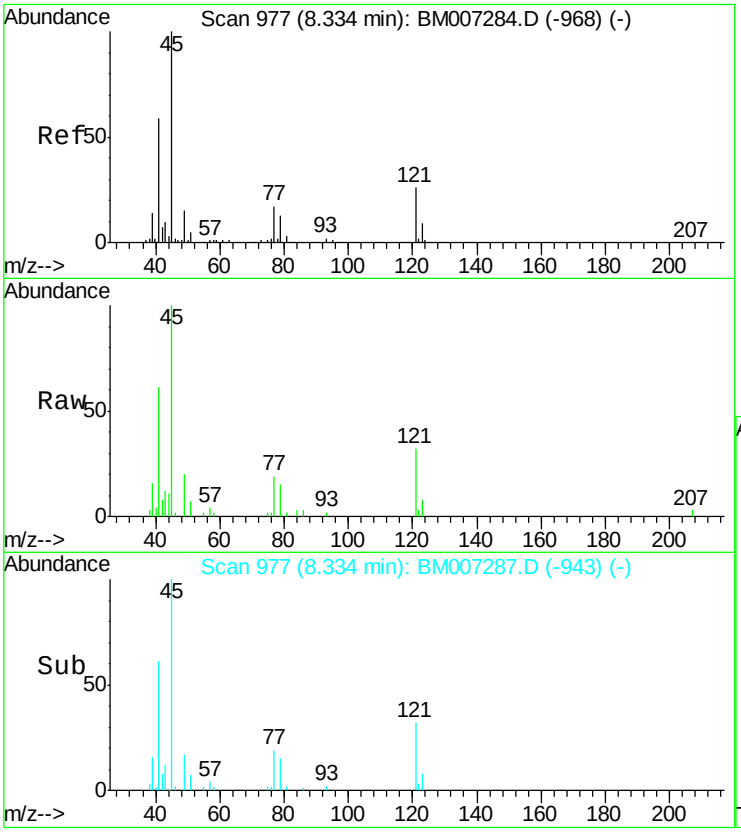


#11
2-Methylphenol
Concen: 1.53 ng/ul
RT: 8.24 min Scan# 961
Delta R.T. 0.00 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion:108 Resp: 29076

Ion	Ratio	Lower	Upper
108	100		
107	93.1	71.8	107.6





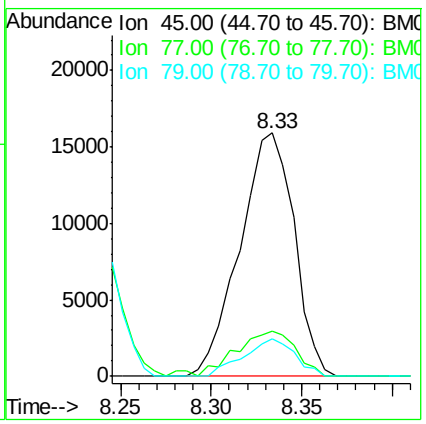
#12
2,2'-oxybis(1-Chloropropane)
Concen: 1.74 ng/ul
RT: 8.33 min Scan# 977
Delta R.T. 0.00 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

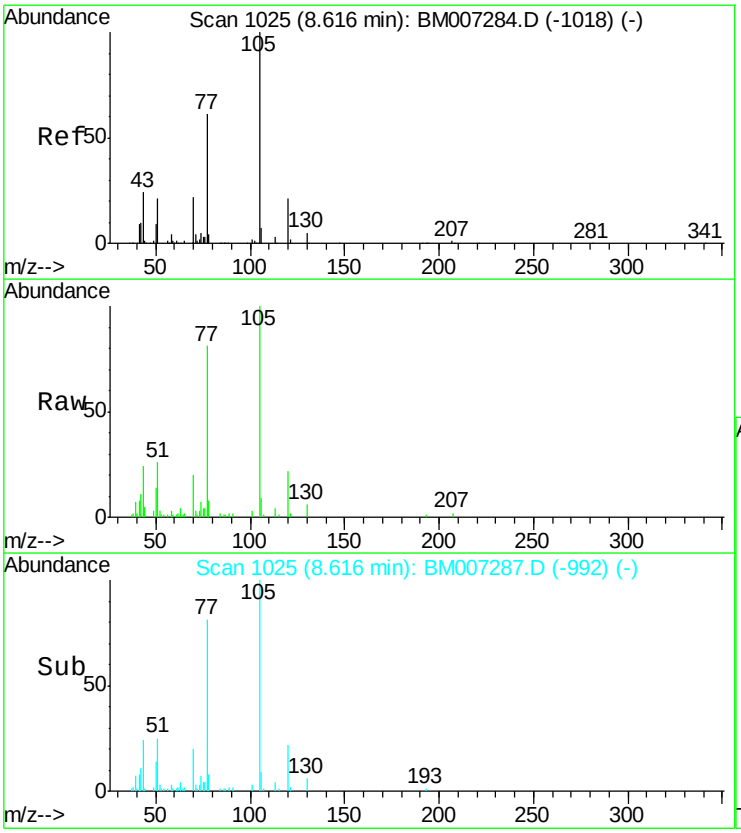
Tgt Ion: 45 Resp: 33106

Ion	Ratio	Lower	Upper
45	100		
77	18.8	14.1	21.1
79	15.4	10.4	15.6

Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

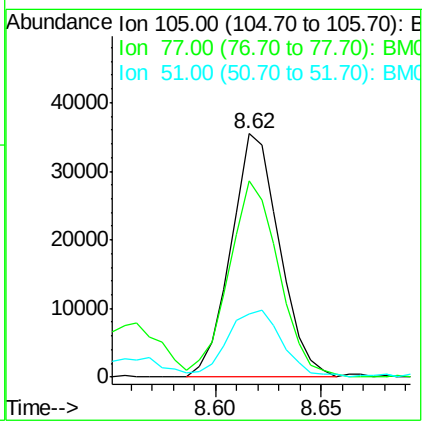


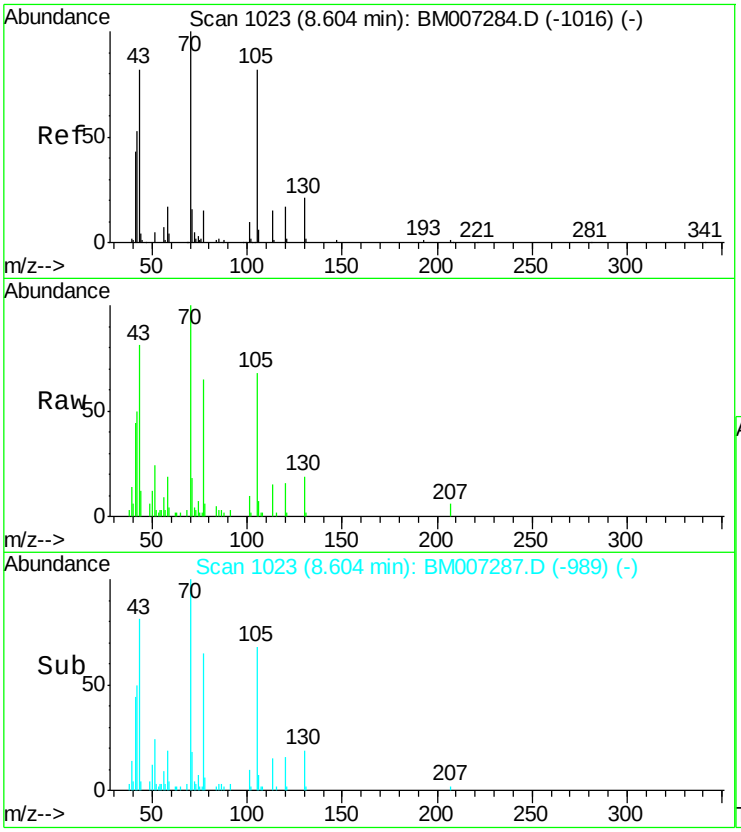


#14
Acetophenone
Concen: 1.80 ng/ul
RT: 8.62 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion:105 Resp: 56433

Ion	Ratio	Lower	Upper
105	100		
77	80.7	65.9	98.9
51	25.9	22.2	33.2

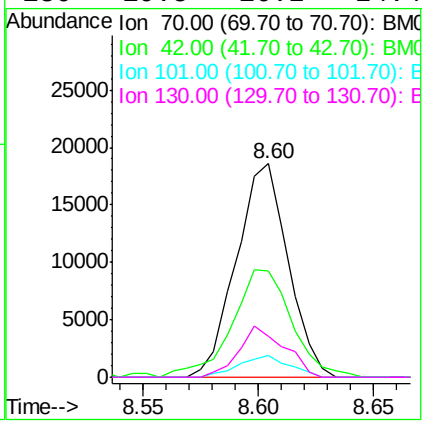




#15
N-Nitroso-di-n-propylamine
Concen: 1.75 ng/ul
RT: 8.60 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

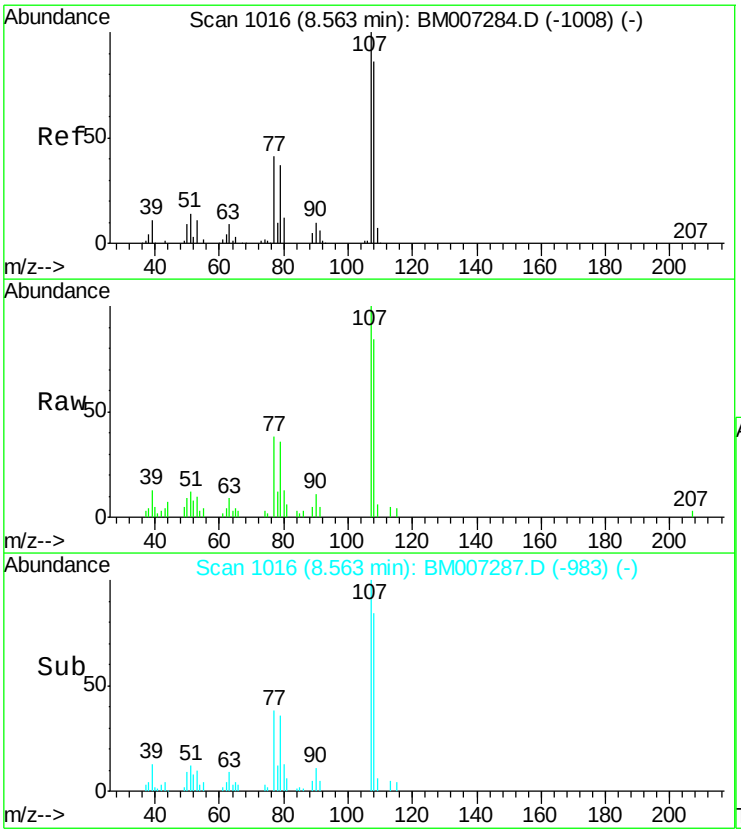
Tgt Ion: 70 Resp: 29012

Ion	Ratio	Lower	Upper
70	100		
42	49.6	43.4	65.2
101	10.0	7.8	11.6
130	19.5	16.2	24.4



Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

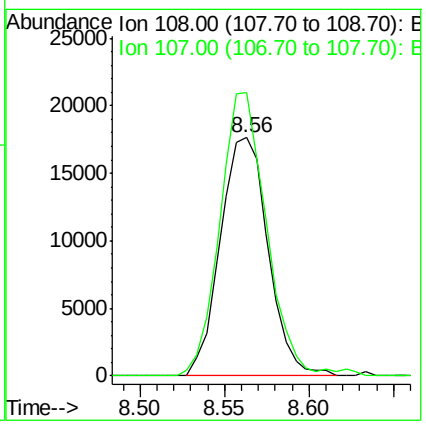
Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

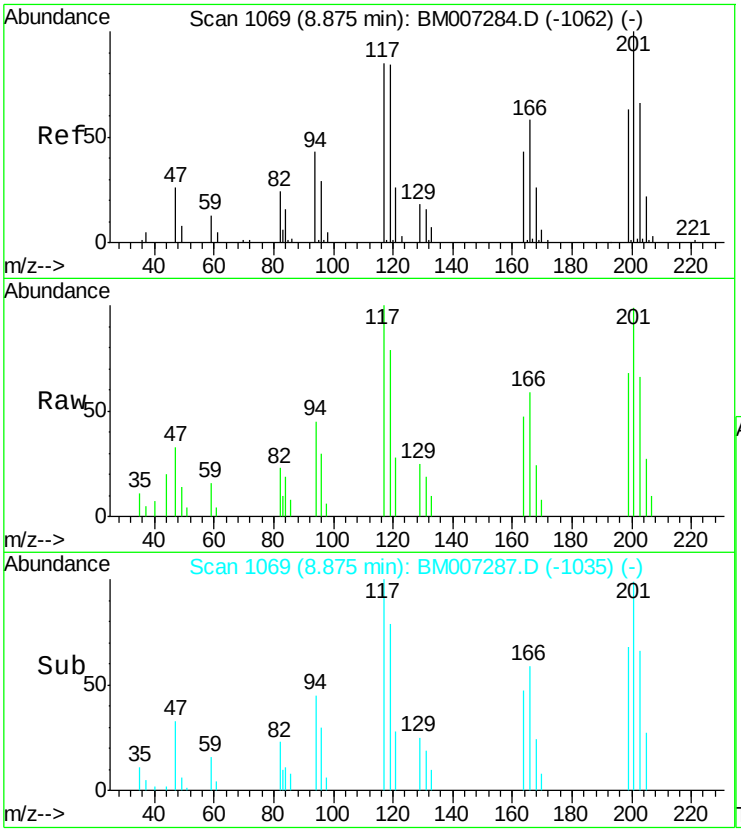


#16
4-Methylphenol
Concen: 1.63 ng/ul
RT: 8.56 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion:108 Resp: 34693

Ion	Ratio	Lower	Upper
108	100		
107	118.9	87.8	131.8

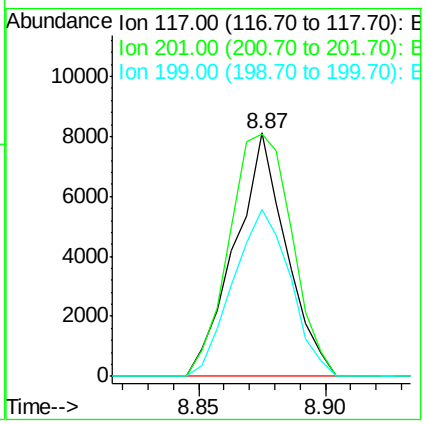




#17
Hexachloroethane
Concen: 1.67 ng/ul
RT: 8.87 min Scan# 1069
Delta R.T. 0.00 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

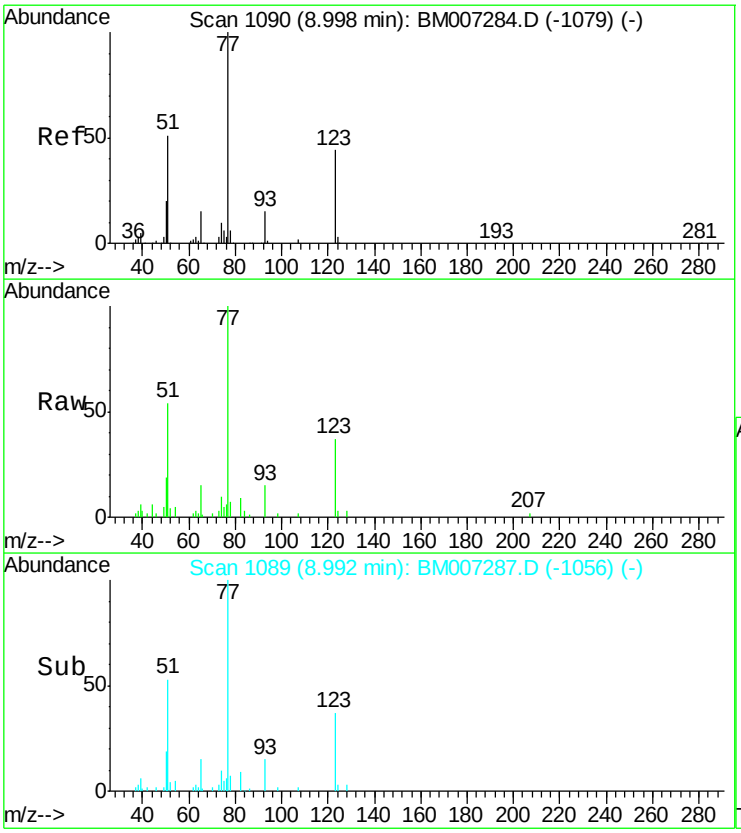
Tgt Ion:117 Resp: 11521

Ion	Ratio	Lower	Upper
117	100		
201	99.5	90.3	135.5
199	68.3	58.5	87.7



Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

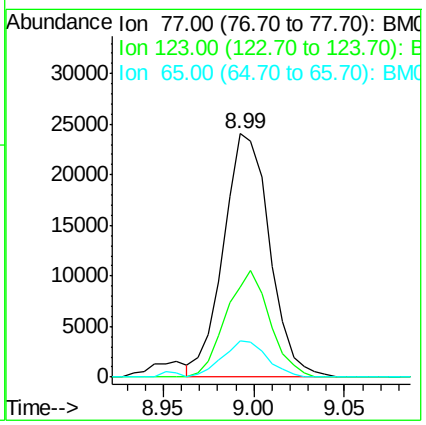
Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

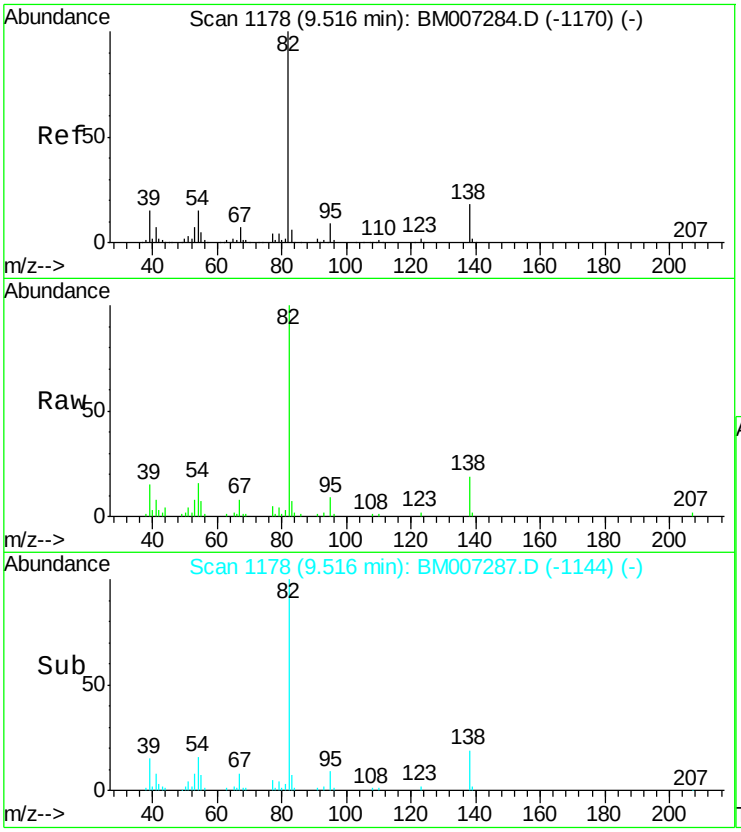


#20
Nitrobenzene
Concen: 1.84 ng/ul
RT: 8.99 min Scan# 1089
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion: 77 Resp: 42673

Ion	Ratio	Lower	Upper
77	100		
123	37.1	34.2	51.4
65	14.8	11.0	16.6

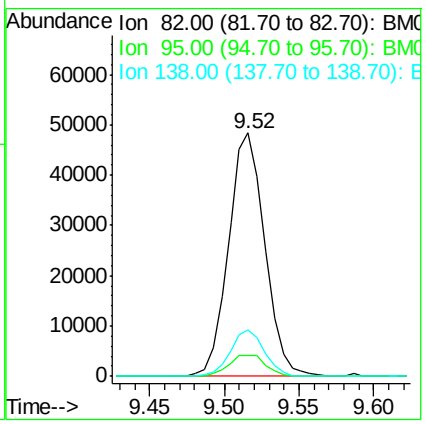




#21
Isophorone
Concen: 1.73 ng/ul
RT: 9.52 min Scan# 1178
Delta R.T. 0.00 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

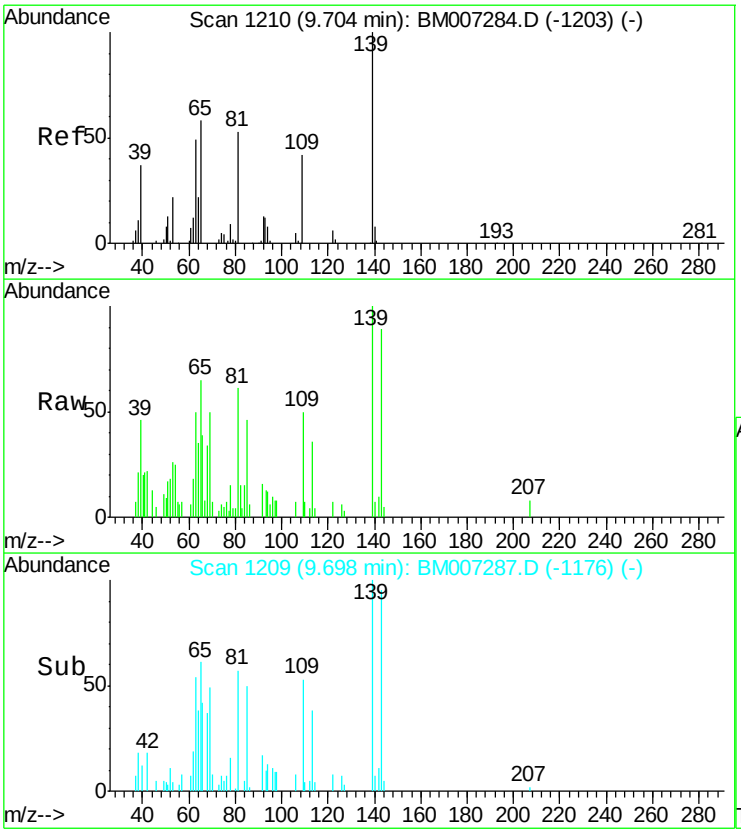
Tgt Ion: 82 Resp: 81876

Ion	Ratio	Lower	Upper
82	100		
95	8.6	6.9	10.3
138	19.0	13.8	20.8



Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

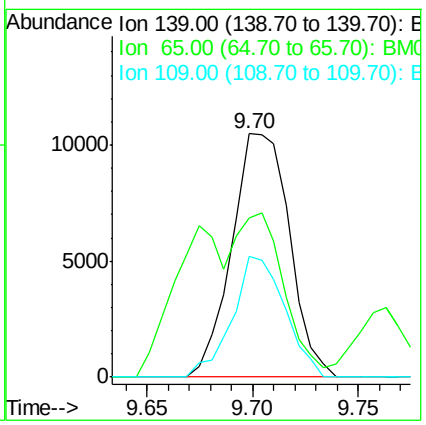
Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

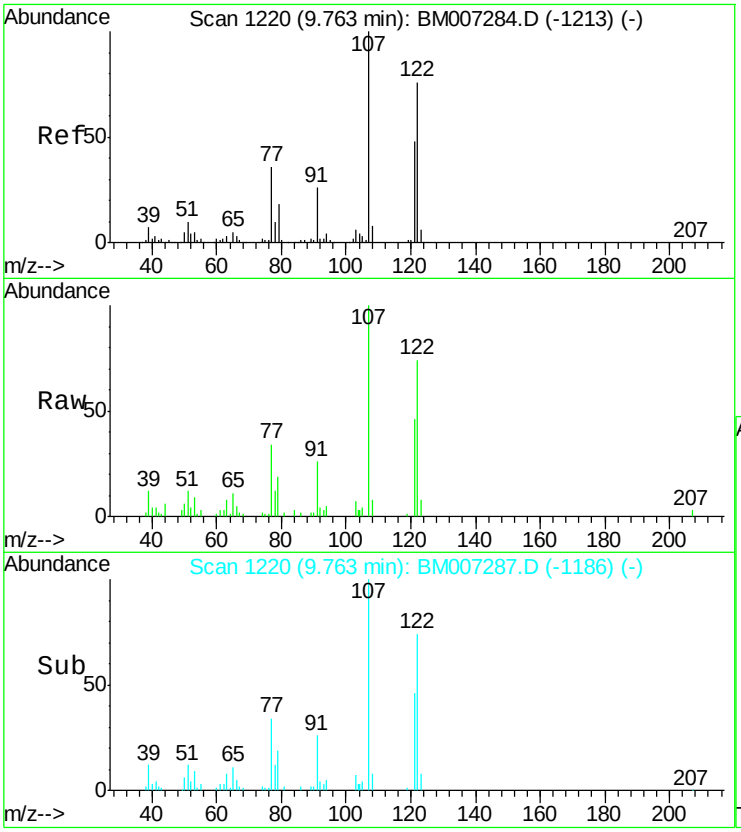


#23
2-Nitrophenol
Concen: 1.73 ng/ul
RT: 9.70 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion:139 Resp: 19824

Ion	Ratio	Lower	Upper
139	100		
65	65.5	44.2	66.4
109	49.5	28.2	42.4#





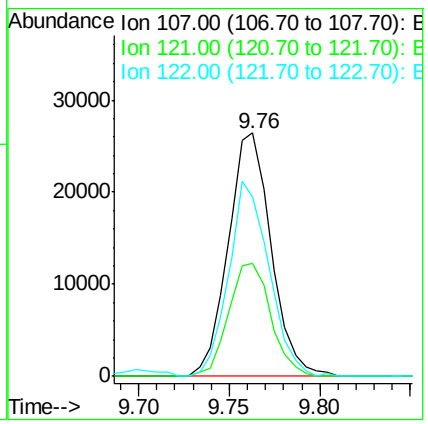
#24
2,4-Dimethylphenol
Concen: 1.72 ng/ul
RT: 9.76 min Scan# 1220
Delta R.T. 0.00 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

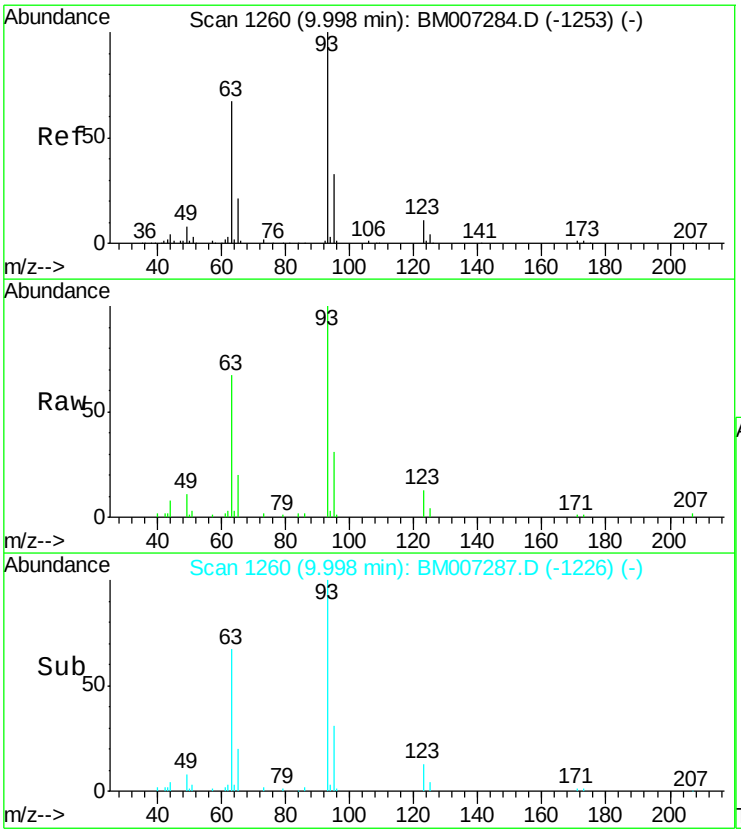
Tgt Ion:107 Resp: 43626

Ion	Ratio	Lower	Upper
107	100		
121	46.2	37.1	55.7
122	74.0	62.8	94.2

Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

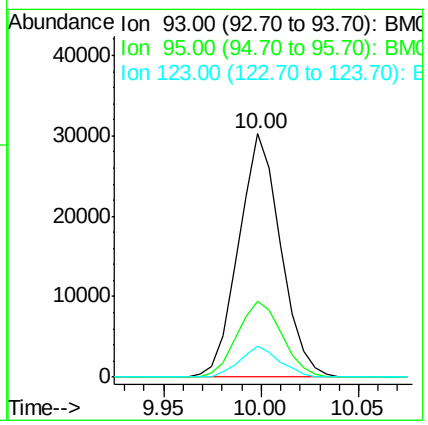


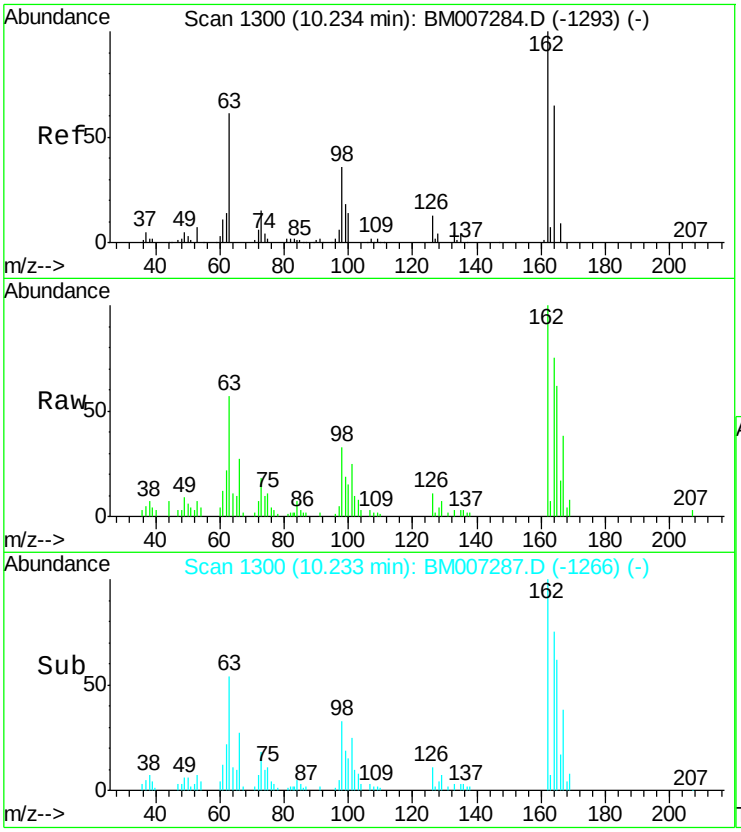


#25
Bis(2-Chloroethoxy)methane
Concen: 1.69 ng/ul
RT: 10.00 min Scan# 1260
Delta R.T. 0.00 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion: 93 Resp: 45221

Ion	Ratio	Lower	Upper
93	100		
95	31.0	25.4	38.0
123	12.7	8.3	12.5#

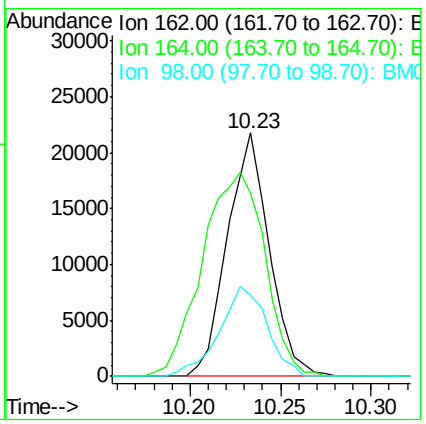




#27
2,4-Dichlorophenol
Concen: 1.67 ng/ul
RT: 10.23 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

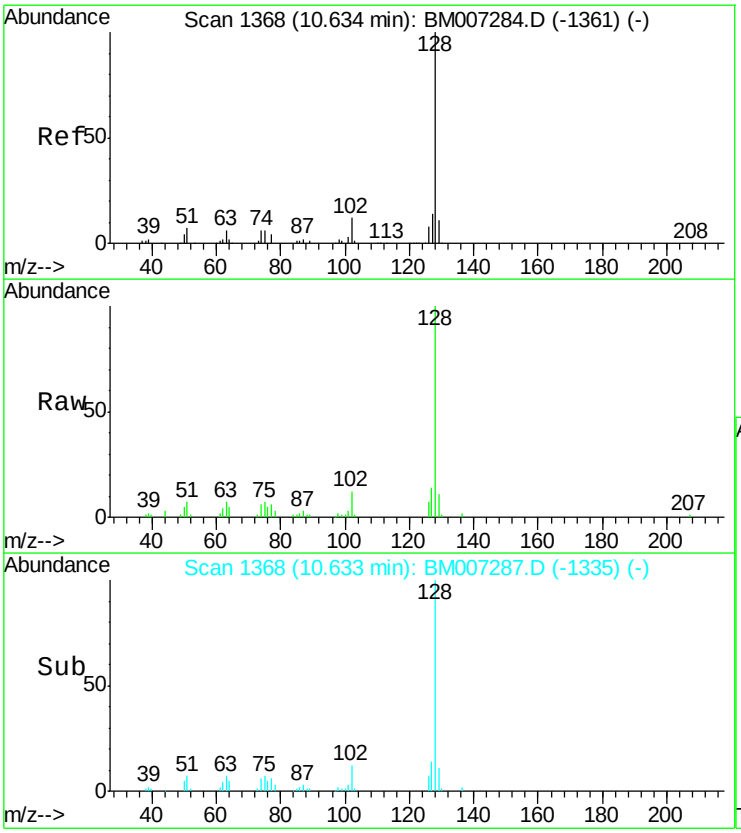
Tgt Ion:162 Resp: 34994

Ion	Ratio	Lower	Upper
162	100		
164	75.3	51.6	77.4
98	33.1	28.4	42.6



Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

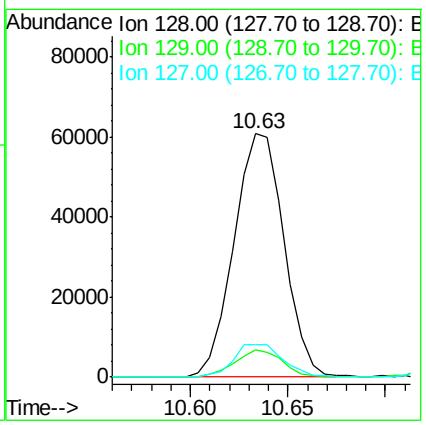
Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

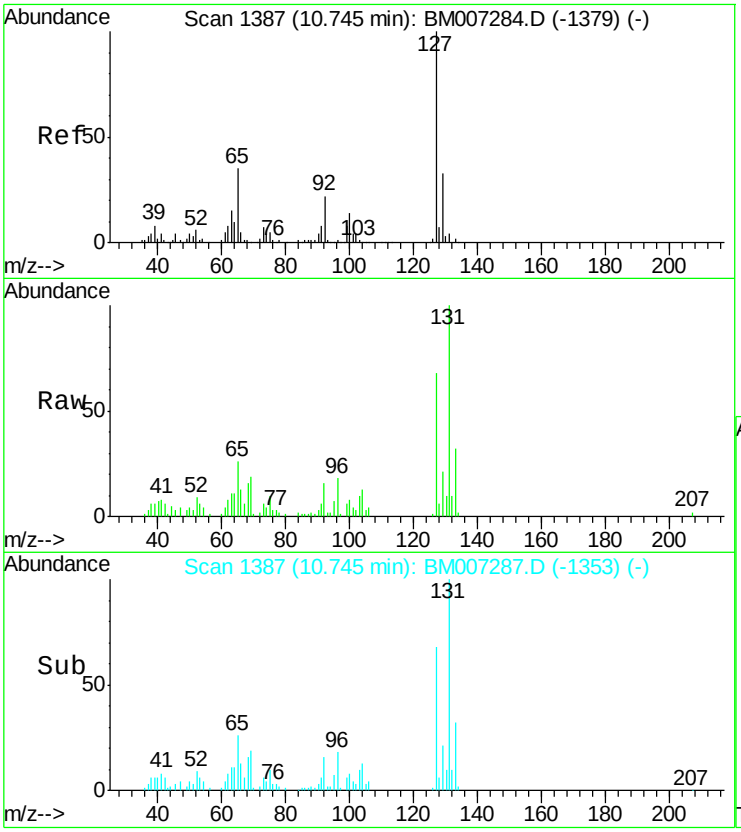


#28
Naphthalene
Concen: 1.76 ng/ul
RT: 10.63 min Scan# 1368
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion:128 Resp: 107888

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.6	12.8
127	13.5	10.6	15.8

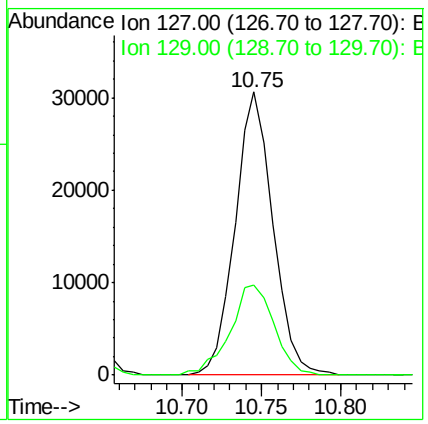




#30
4-Chloroaniline
Concen: 1.88 ng/ul
RT: 10.75 min Scan# 1387
Delta R.T. 0.00 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

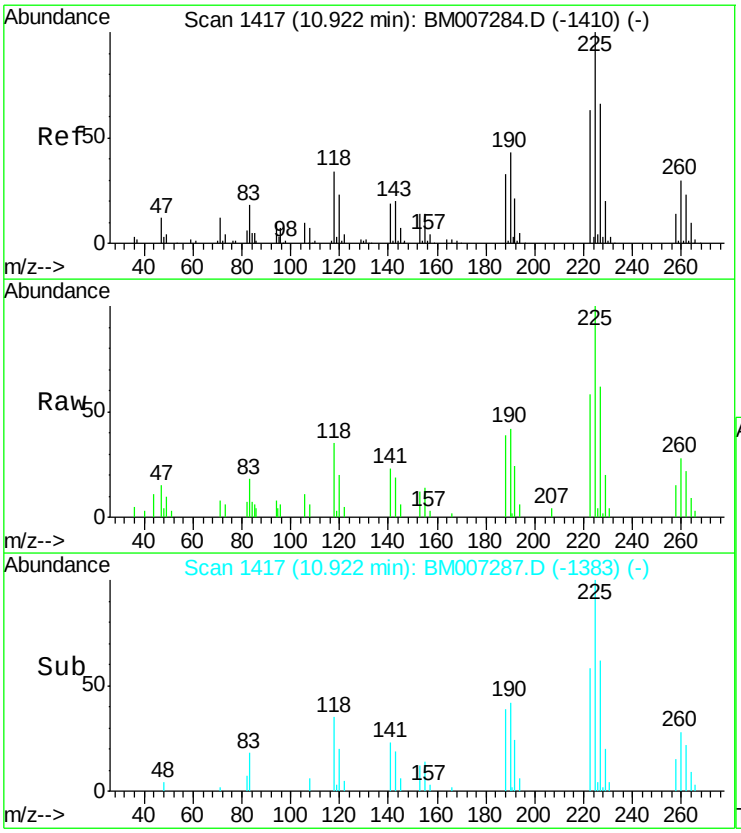
Tgt Ion:127 Resp: 50754

Ion	Ratio	Lower	Upper
127	100		
129	31.7	24.6	37.0



Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

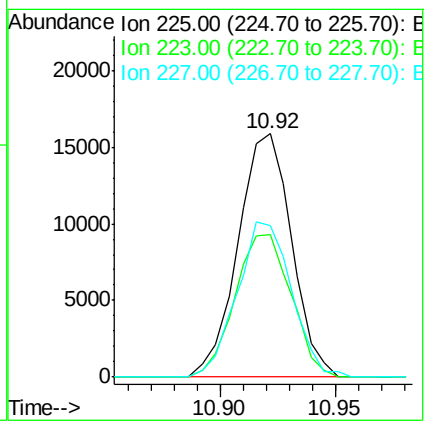
Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

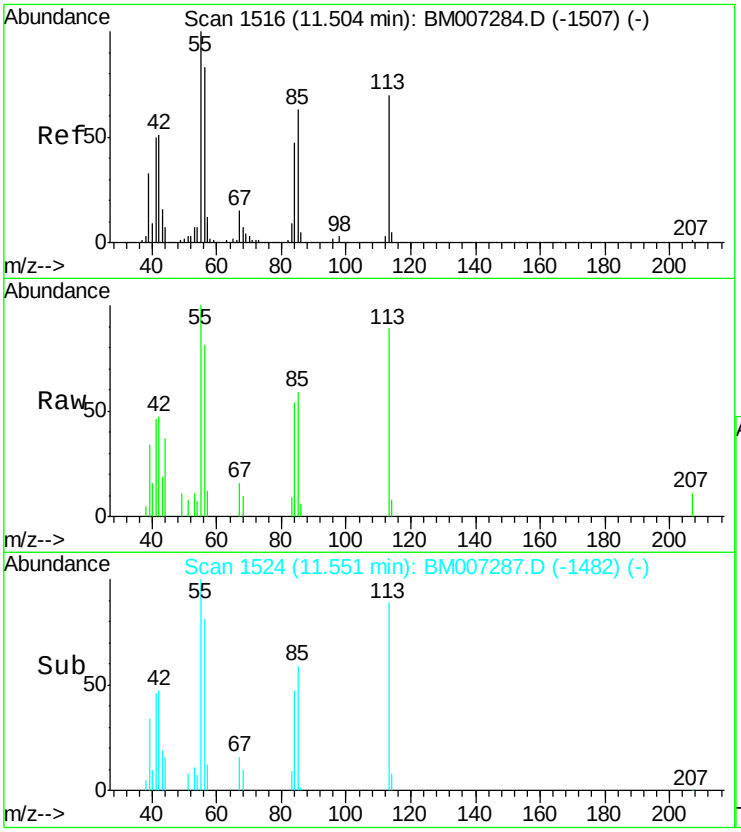


#31
Hexachlorobutadiene
Concen: 1.82 ng/ul
RT: 10.92 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion:225 Resp: 25645

Ion	Ratio	Lower	Upper
225	100		
223	58.4	51.2	76.8
227	62.3	52.5	78.7

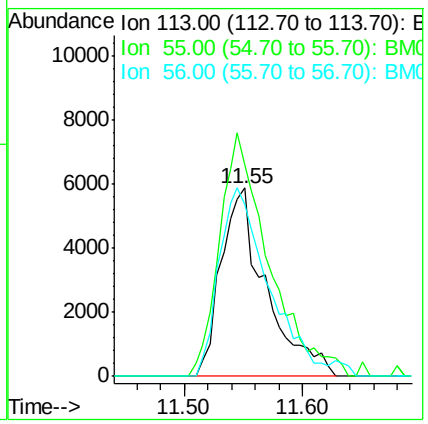




#32
Caprolactam
Concen: 1.84 ng/ul m
RT: 11.55 min Scan# 1524
Delta R.T. 0.05 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

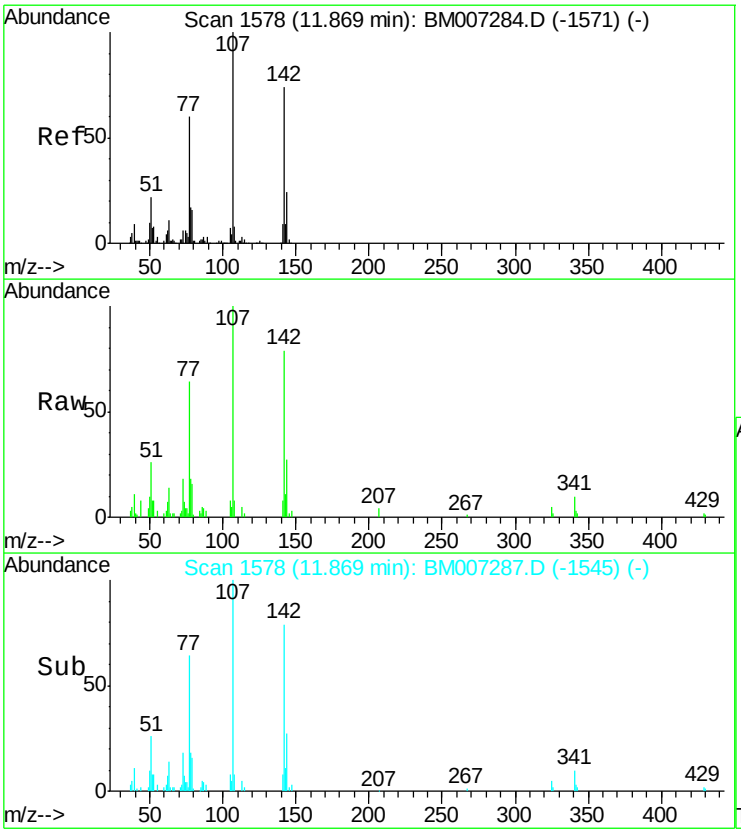
Tgt Ion:113 Resp: 15507

Ion	Ratio	Lower	Upper
113	100		
55	112.4	121.9	182.9#
56	91.4	97.4	146.0#



Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

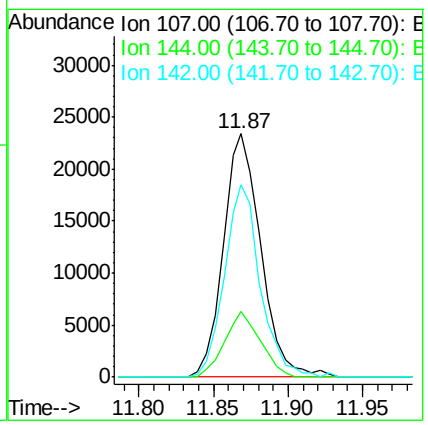
Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

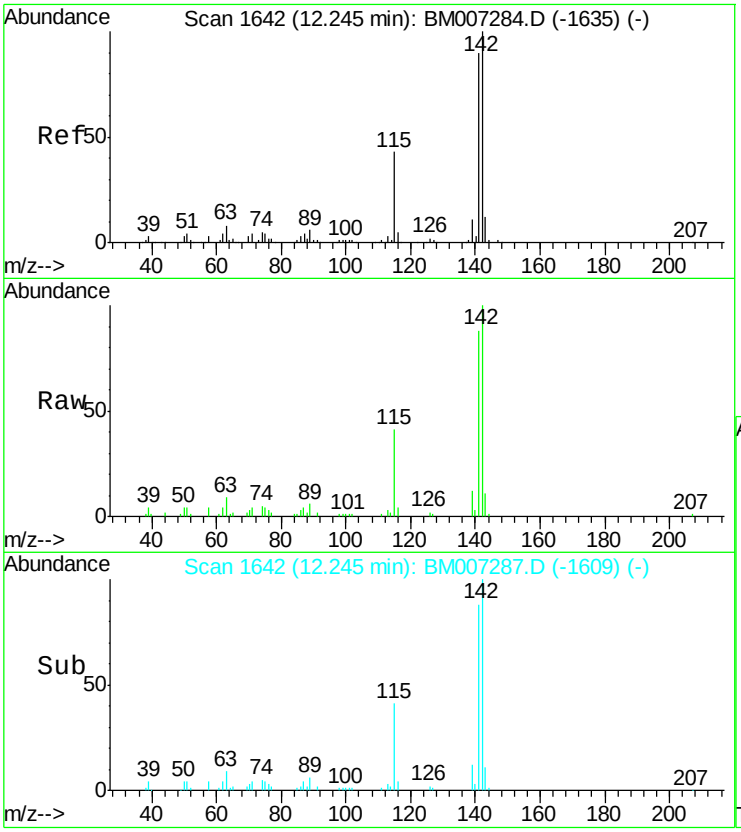


#33
4-Chloro-3-methylphenol
Concen: 1.59 ng/ul
RT: 11.87 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion:107 Resp: 41132

Ion	Ratio	Lower	Upper
107	100		
144	27.1	21.1	31.7
142	78.8	64.1	96.1





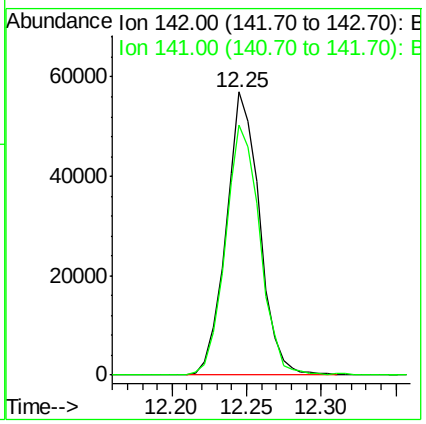
#34
2-Methylnaphthalene
Concen: 1.78 ng/ul
RT: 12.25 min Scan# 1642
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

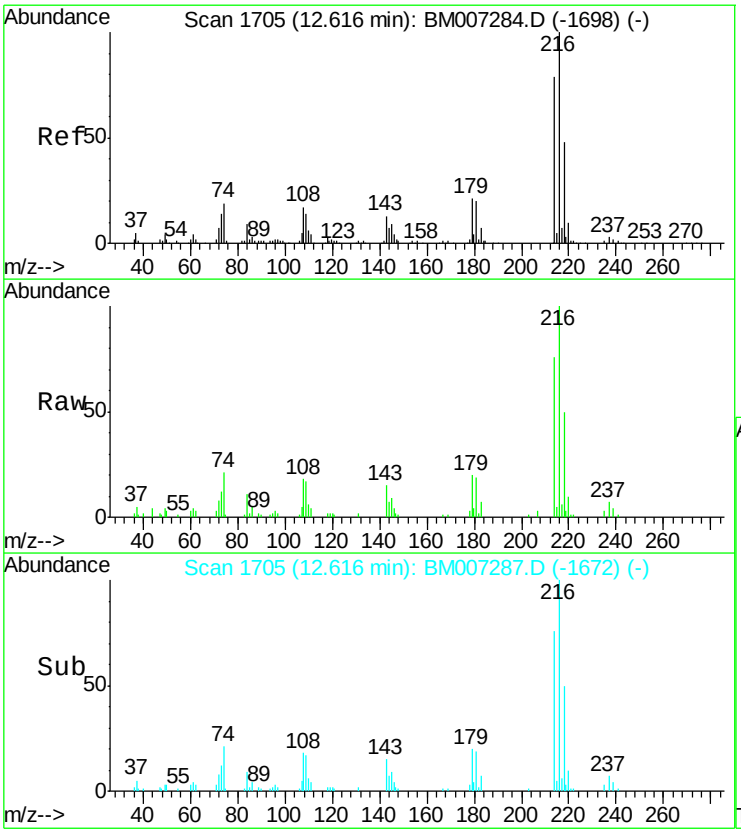
Tgt Ion:142 Resp: 89104

Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.3	106.9

Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

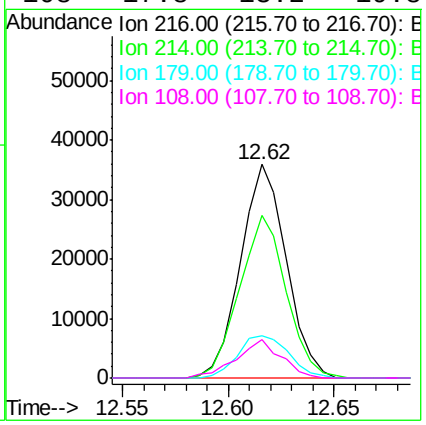


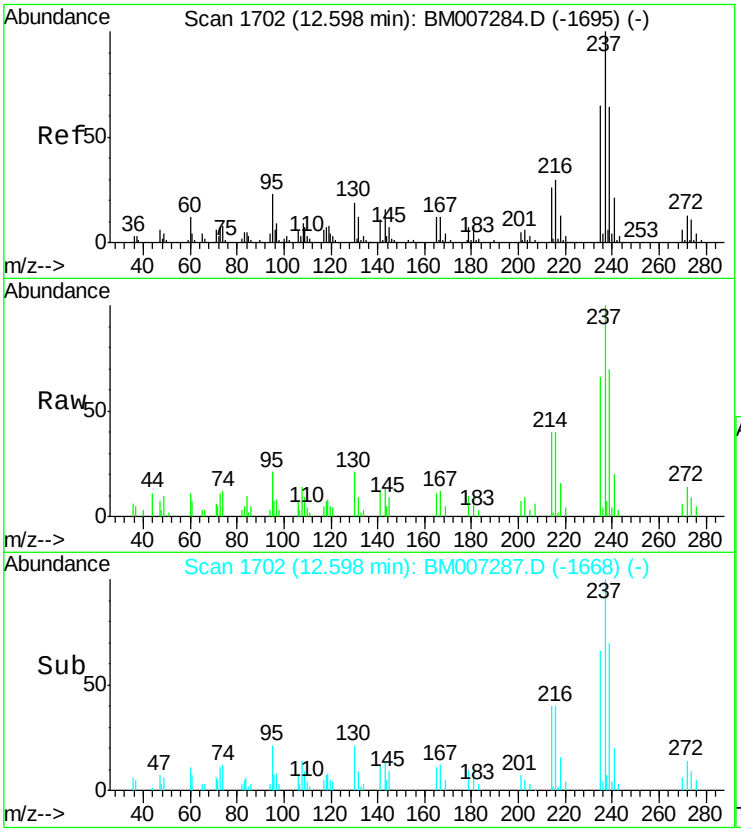


#36
1,2,4,5-Tetrachlorobenzene
Concen: 1.78 ng/ul
RT: 12.62 min Scan# 1705
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion:216 Resp: 54057

Ion	Ratio	Lower	Upper
216	100		
214	75.9	64.8	97.2
179	20.0	16.7	25.1
108	17.8	13.2	19.8

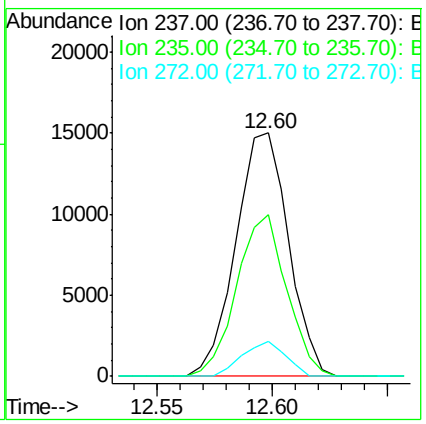




#37
Hexachlorocyclopentadiene
Concen: 1.30 ng/ul
RT: 12.60 min Scan# 1702
Delta R.T. 0.00 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

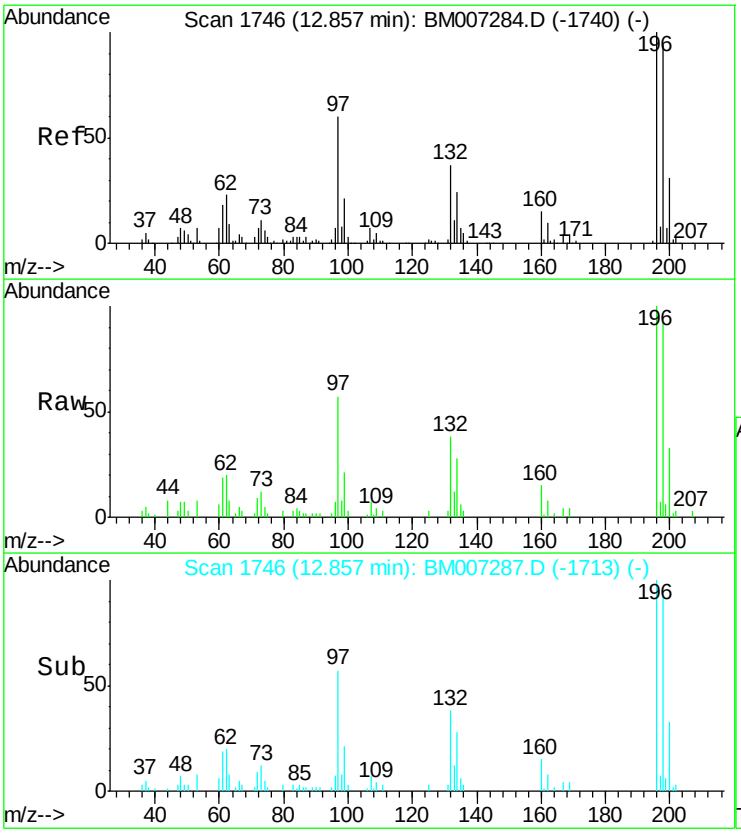
Tgt Ion:237 Resp: 23943

Ion	Ratio	Lower	Upper
237	100		
235	66.4	49.6	74.4
272	14.2	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

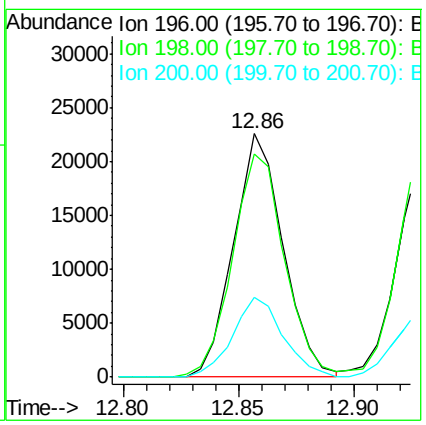
Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

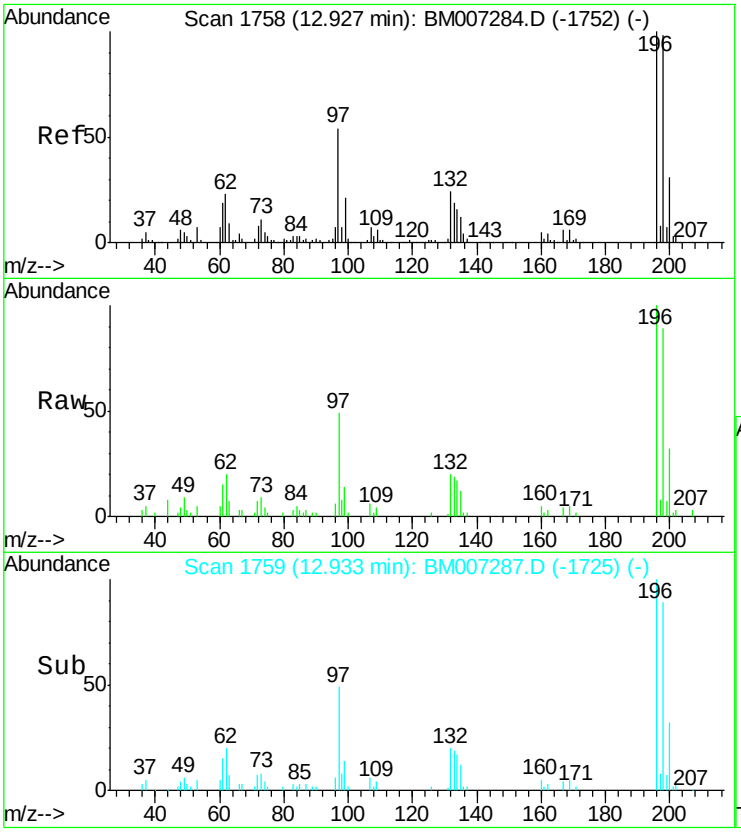


#38
2,4,6-Trichlorophenol
Concen: 1.57 ng/ul
RT: 12.86 min Scan# 1746
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion:196 Resp: 33864

Ion	Ratio	Lower	Upper
196	100		
198	91.7	76.9	115.3
200	32.8	25.1	37.7

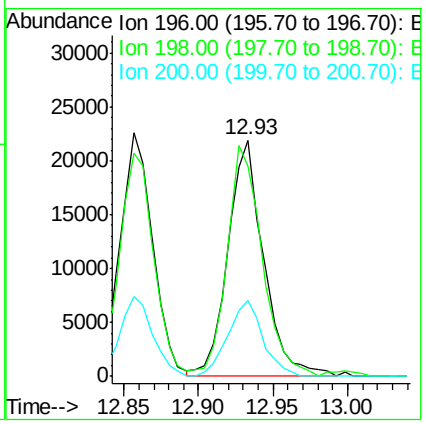




#39
2,4,5-Trichlorophenol
Concen: 1.63 ng/ul
RT: 12.93 min Scan# 1759
Delta R.T. 0.00 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

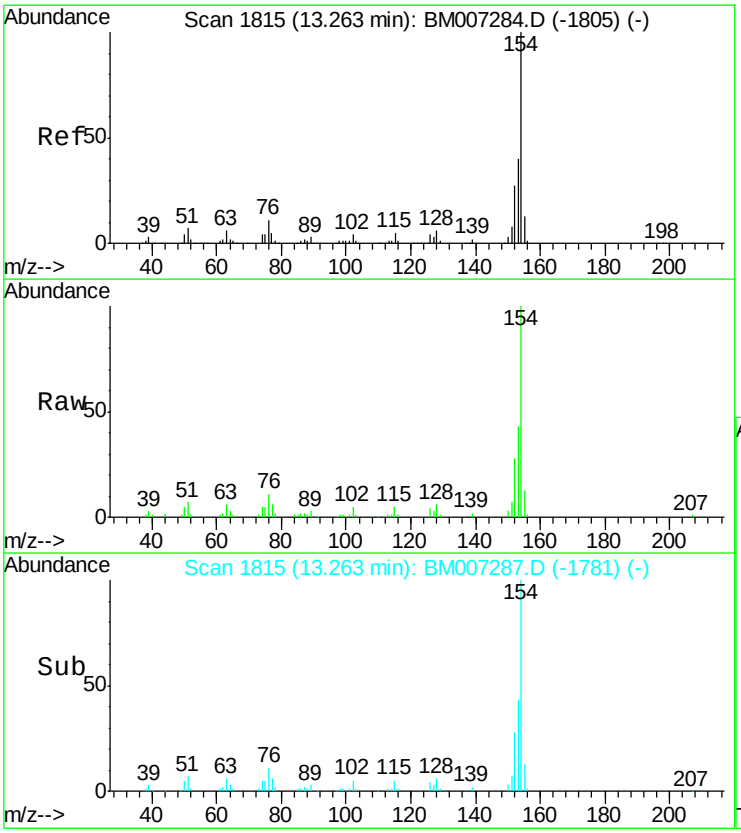
Tgt Ion:196 Resp: 36650

Ion	Ratio	Lower	Upper
196	100		
198	89.3	76.8	115.2
200	32.2	27.0	40.4



Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

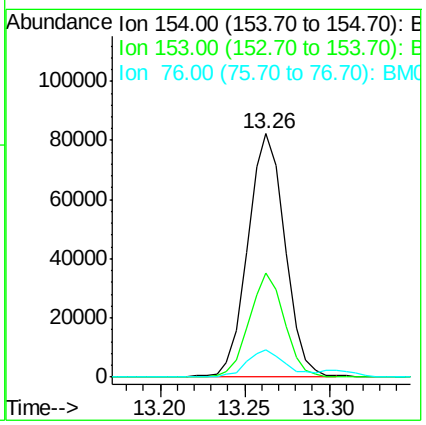
Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

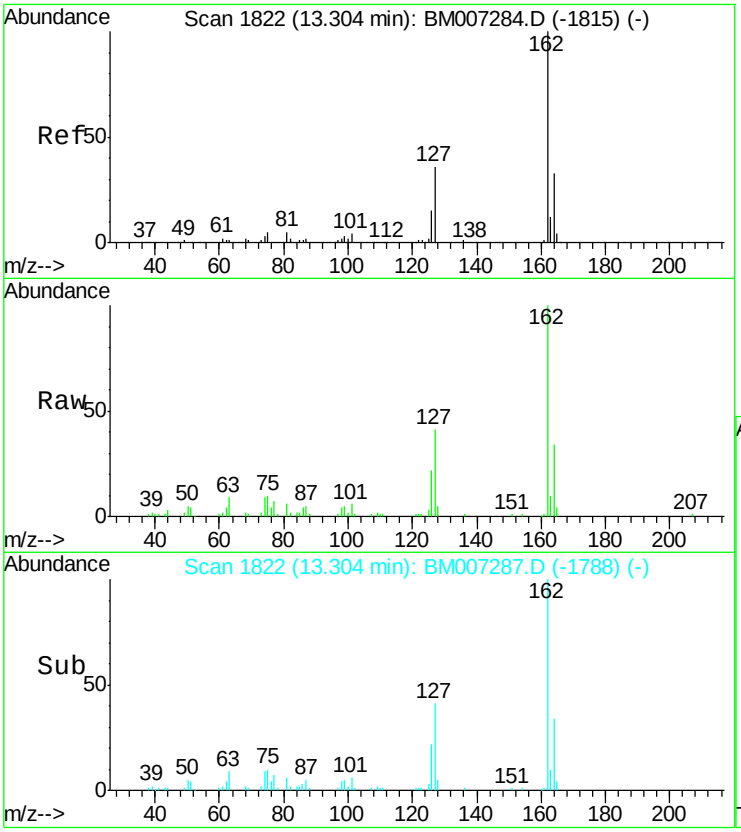


#40
1,1'-Biphenyl
Concen: 1.78 ng/ul
RT: 13.26 min Scan# 1815
Delta R.T. 0.00 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion:154 Resp: 126020

Ion	Ratio	Lower	Upper
154	100		
153	42.8	31.3	46.9
76	11.2	10.0	15.0

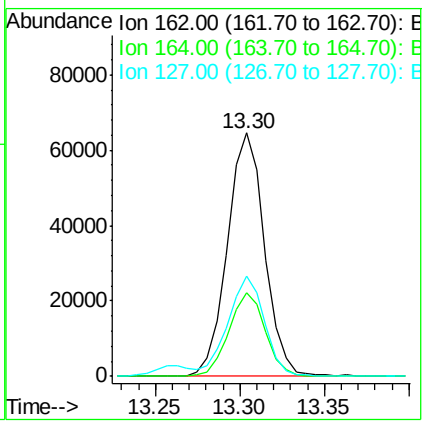




#41
2-Chloronaphthalene
Concen: 1.78 ng/ul
RT: 13.30 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

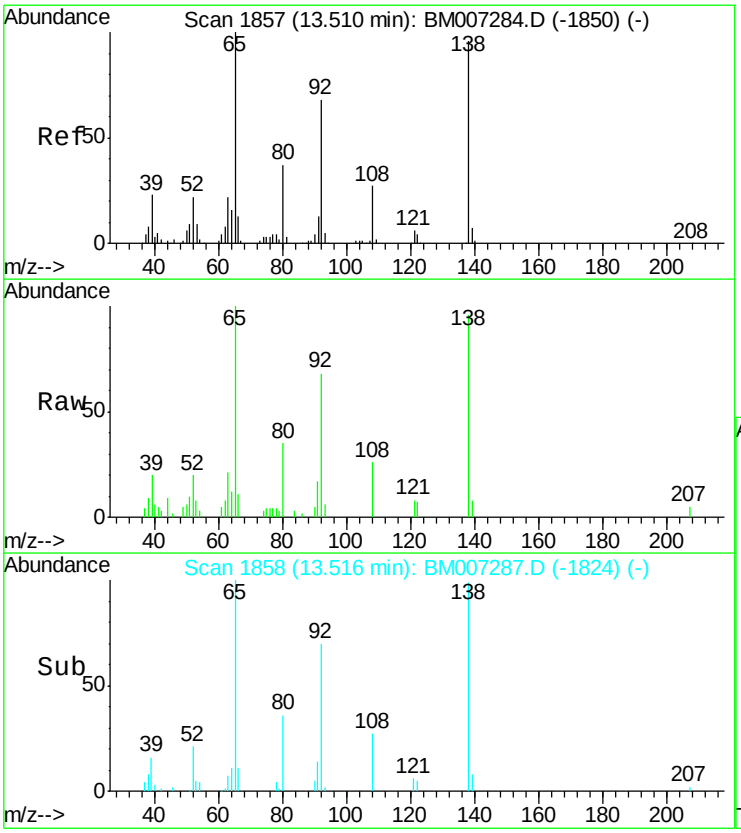
Tgt Ion:162 Resp: 98707

Ion	Ratio	Lower	Upper
162	100		
164	34.2	26.9	40.3
127	40.9	31.2	46.8



Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

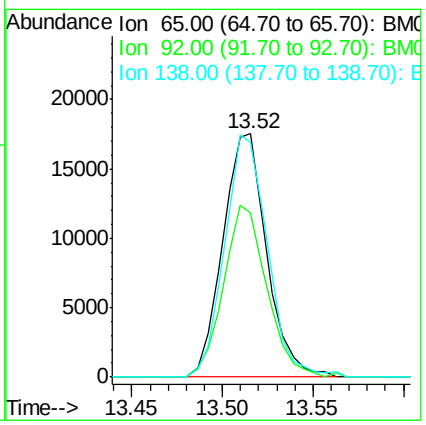
Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

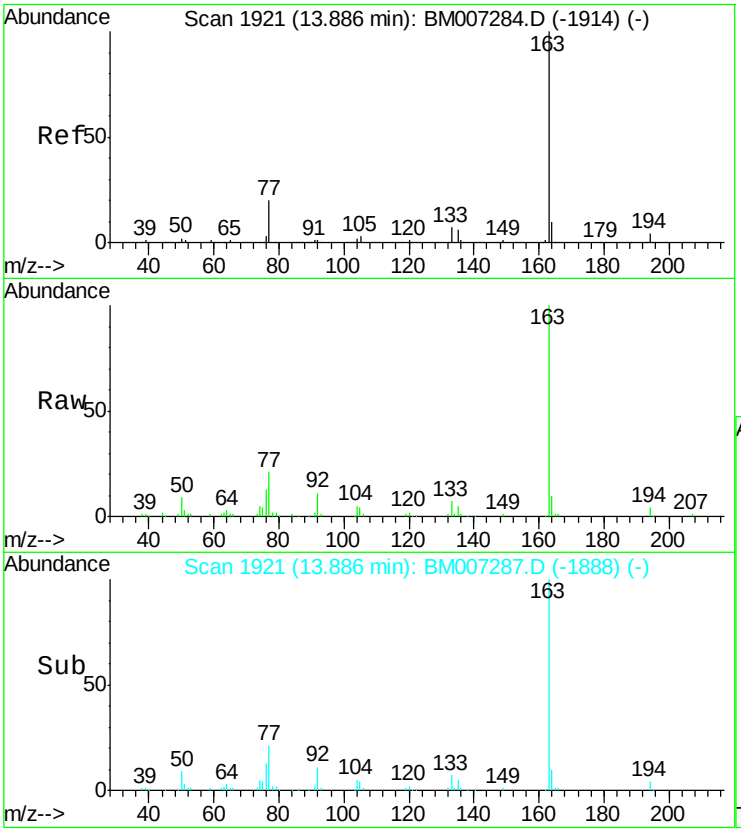


#42
2-Nitroaniline
Concen: 1.62 ng/ul
RT: 13.52 min Scan# 1858
Delta R.T. 0.00 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion: 65 Resp: 29359

Ion	Ratio	Lower	Upper
65	100		
92	67.6	55.6	83.4
138	96.1	81.3	121.9

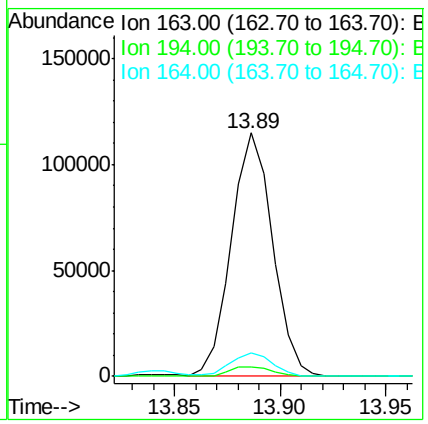




#44
Dimethylphthalate
Concen: 1.99 ng/ul
RT: 13.89 min Scan# 1921
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

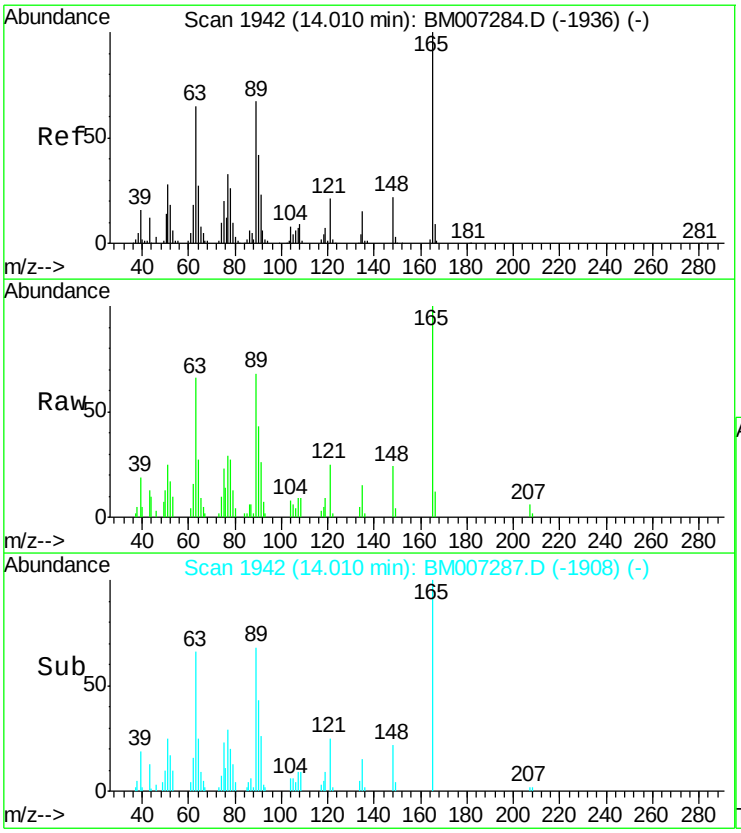
Tgt Ion:163 Resp: 155909

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.2
164	9.5	7.8	11.8



Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

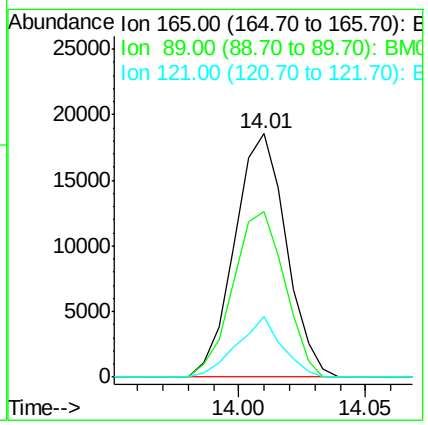
Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

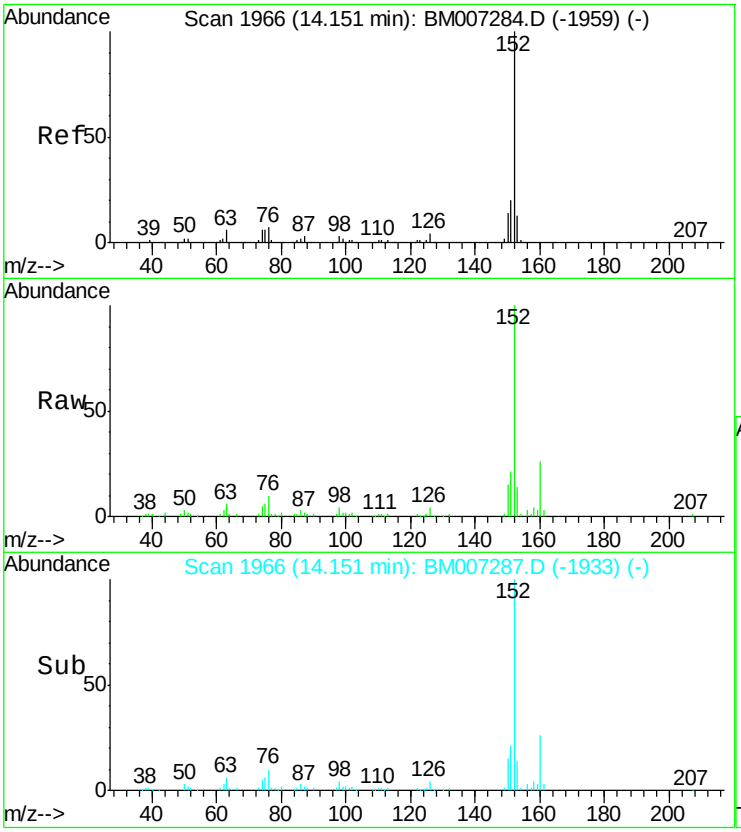


#45
2,6-Dinitrotoluene
Concen: 1.63 ng/ul
RT: 14.01 min Scan# 1942
Delta R.T. 0.00 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion:165 Resp: 26240

Ion	Ratio	Lower	Upper
165	100		
89	67.7	46.6	69.8
121	24.9	16.0	24.0#

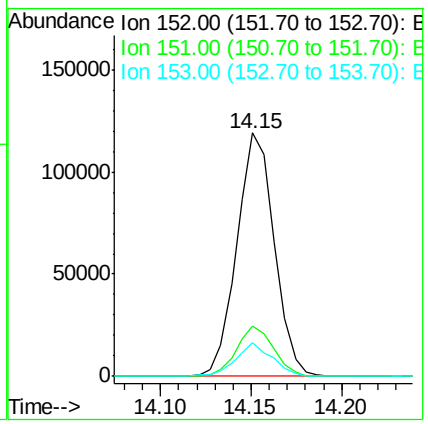




#47
Acenaphthylene
Concen: 1.81 ng/ul
RT: 14.15 min Scan# 1966
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

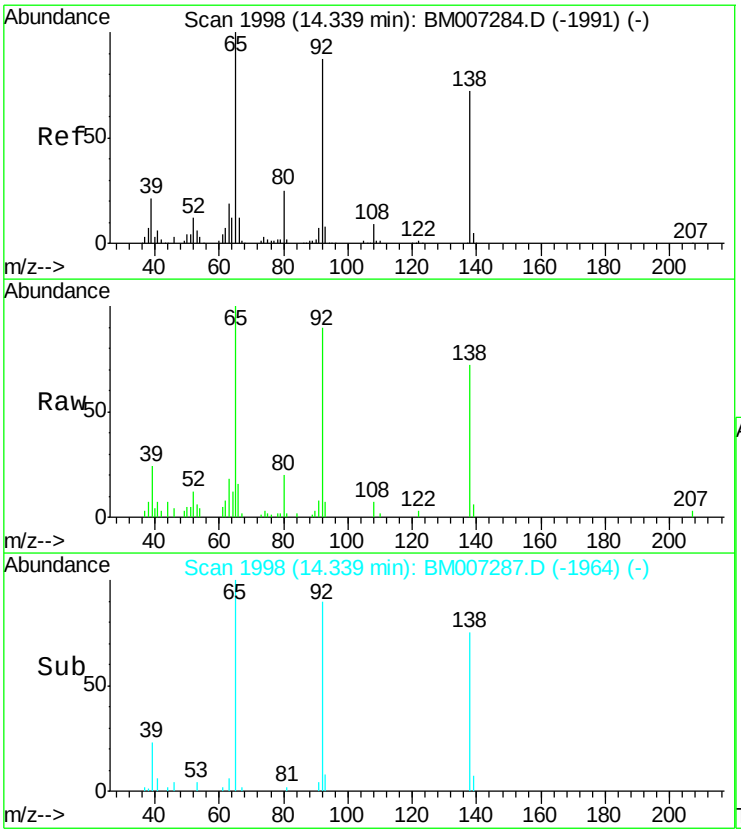
Tgt Ion:152 Resp: 170606

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.0	24.0
153	13.8	11.0	16.6



Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

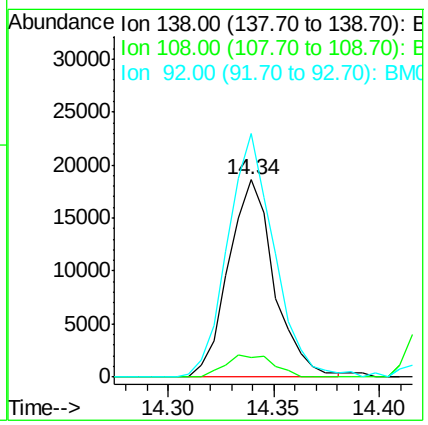
Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

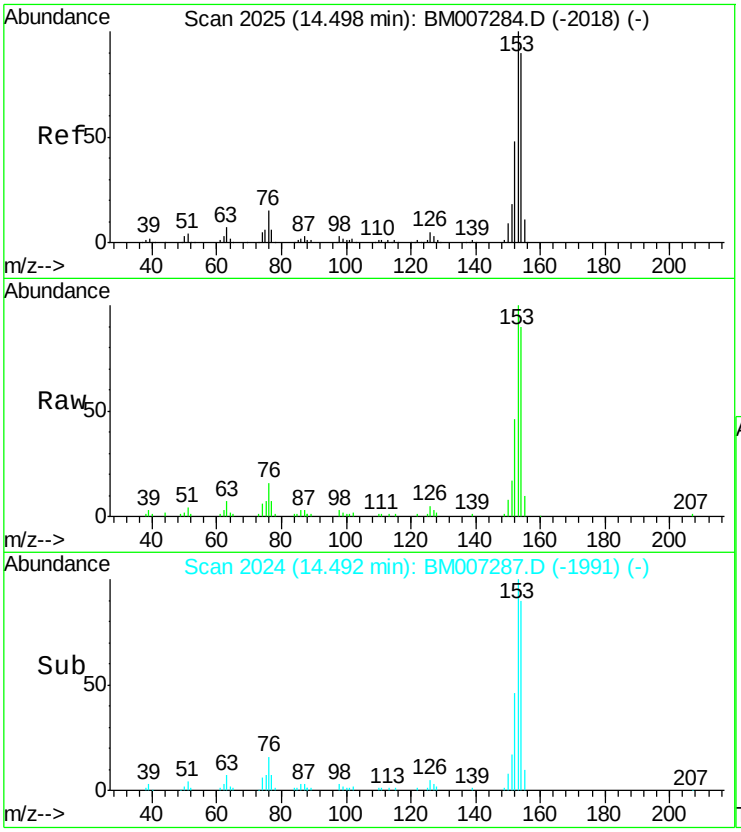


#48
3-Nitroaniline
Concen: 1.70 ng/ul
RT: 14.34 min Scan# 1998
Delta R.T. 0.00 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion:138 Resp: 27883

Ion	Ratio	Lower	Upper
138	100		
108	9.9	9.4	14.0
92	123.6	96.6	145.0

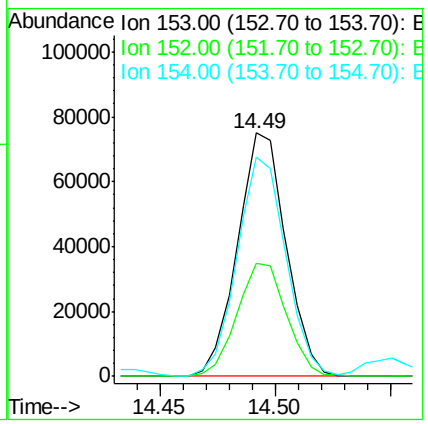




#49
Acenaphthene
Concen: 1.80 ng/ul
RT: 14.49 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

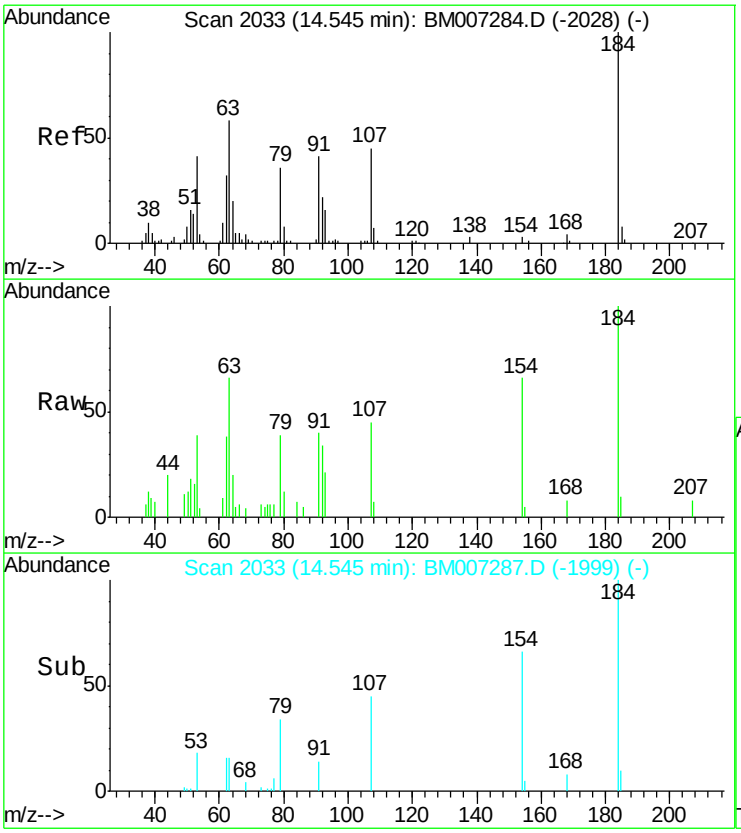
Tgt Ion:153 Resp: 110062

Ion	Ratio	Lower	Upper
153	100		
152	46.2	37.8	56.6
154	89.9	71.4	107.0



Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

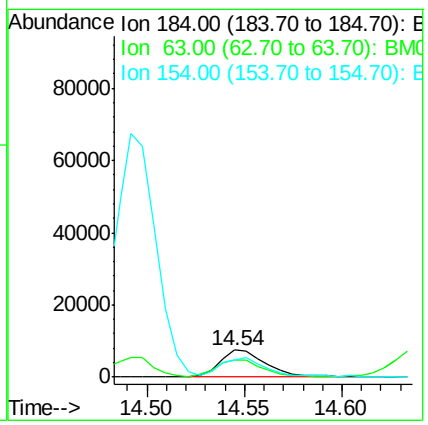
Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

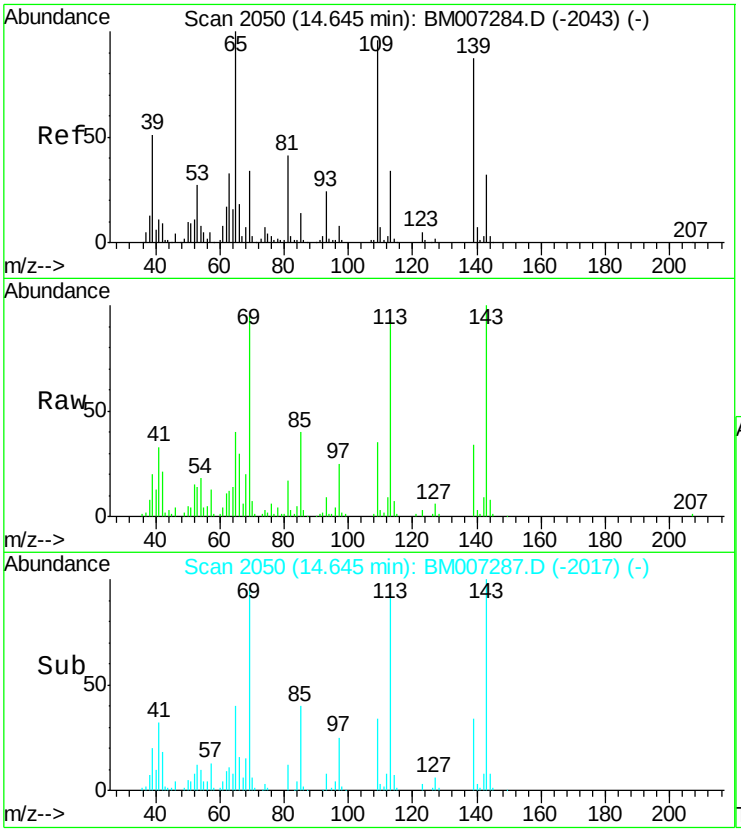


#50
2,4-Dinitrophenol
Concen: 1.13 ng/ul
RT: 14.54 min Scan# 2033
Delta R.T. 0.00 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion:184 Resp: 12251

Ion	Ratio	Lower	Upper
184	100		
63	65.6	43.4	65.0#
154	65.6	48.2	72.4

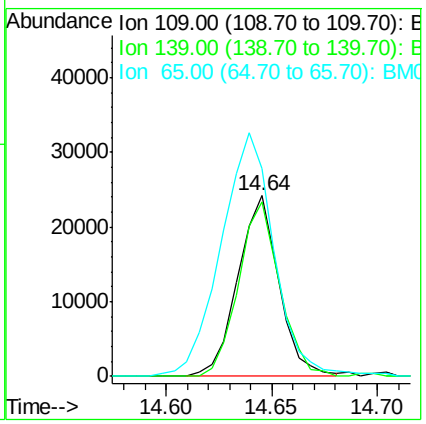




#52
4-Nitrophenol
Concen: 2.06 ng/ul
RT: 14.64 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

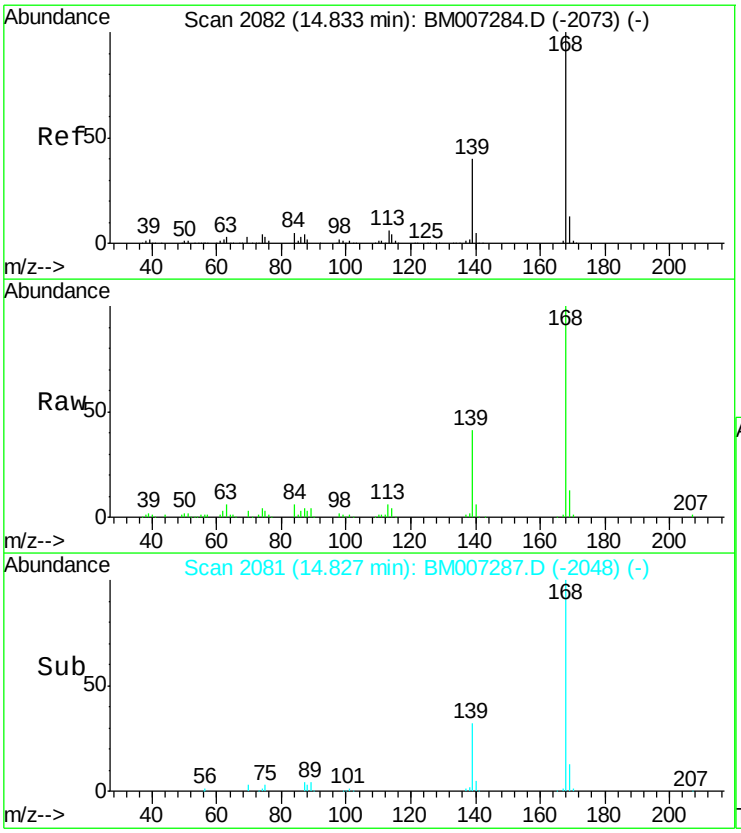
Tgt Ion:109 Resp: 32585

Ion	Ratio	Lower	Upper
109	100		
139	96.9	88.7	133.1
65	115.4	96.4	144.6



Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

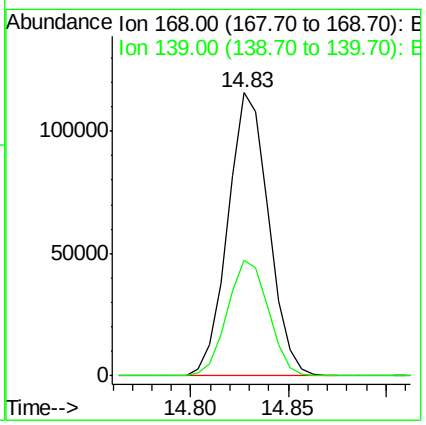
Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

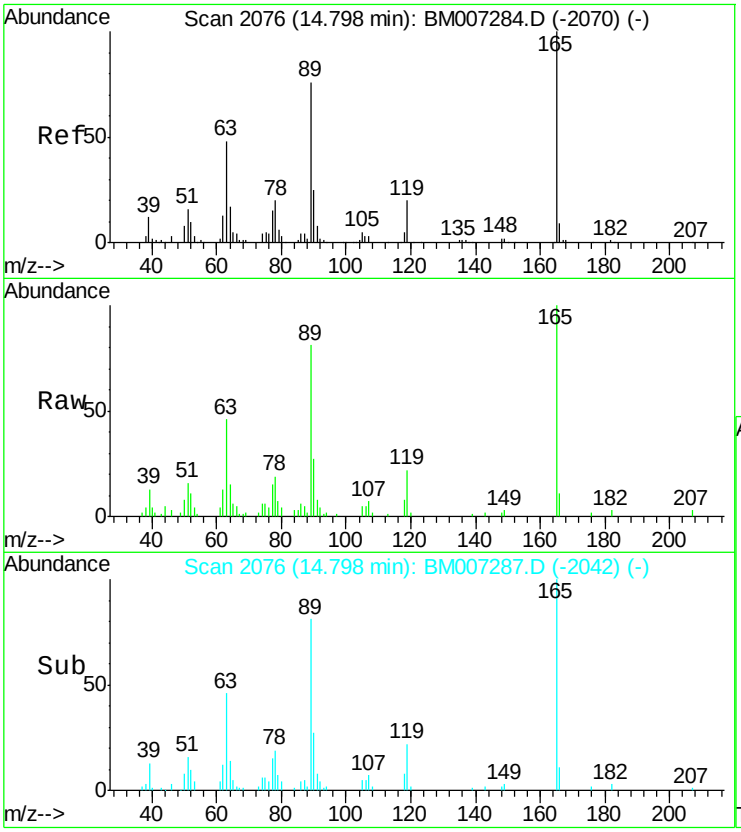


#53
Dibenzofuran
Concen: 1.83 ng/ul
RT: 14.83 min Scan# 2081
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion:168 Resp: 167138

Ion	Ratio	Lower	Upper
168	100		
139	40.9	30.1	45.1

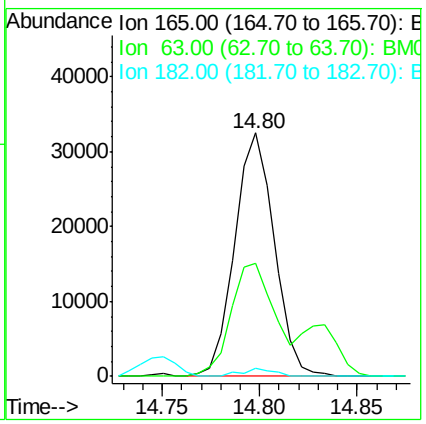




#54
2,4-Dinitrotoluene
Concen: 1.86 ng/ul
RT: 14.80 min Scan# 2076
Delta R.T. 0.00 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

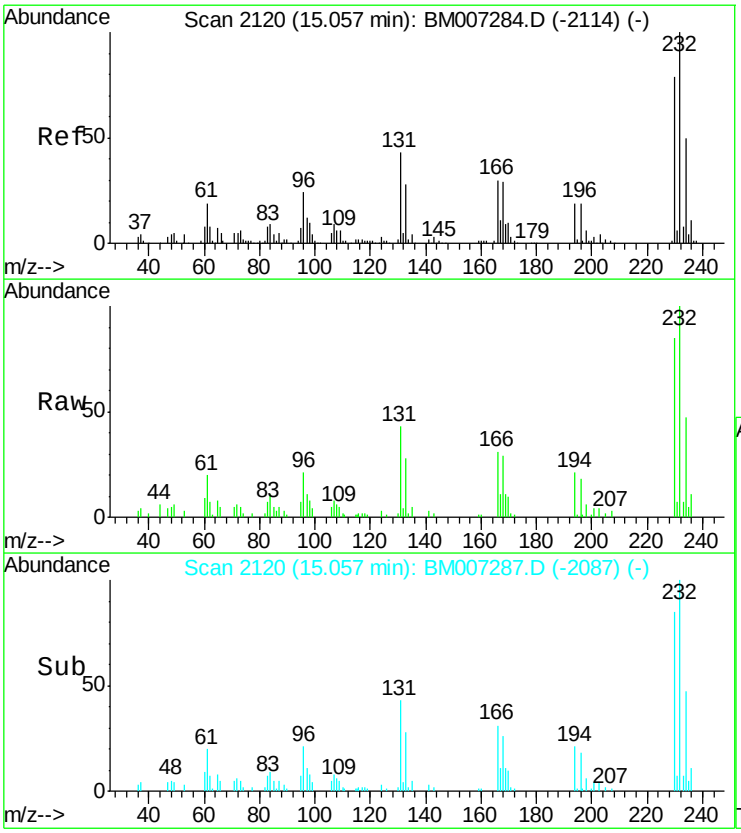
Tgt Ion:165 Resp: 45800

Ion	Ratio	Lower	Upper
165	100		
63	46.2	36.2	54.2
182	3.1	2.2	3.4



Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

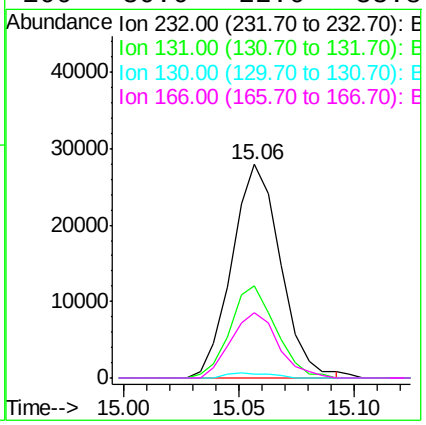
Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

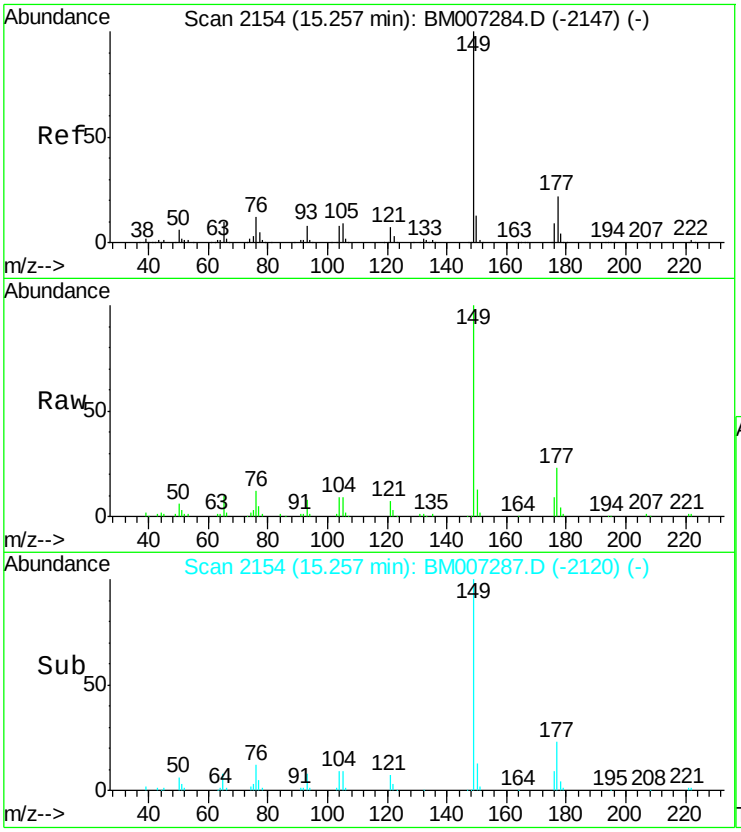


#55
2,3,4,6-Tetrachlorophenol
Concen: 1.78 ng/ul
RT: 15.06 min Scan# 2120
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion:232 Resp: 41073

Ion	Ratio	Lower	Upper
232	100		
131	43.2	31.4	47.0
130	1.9	1.6	2.4
166	30.6	22.6	33.8

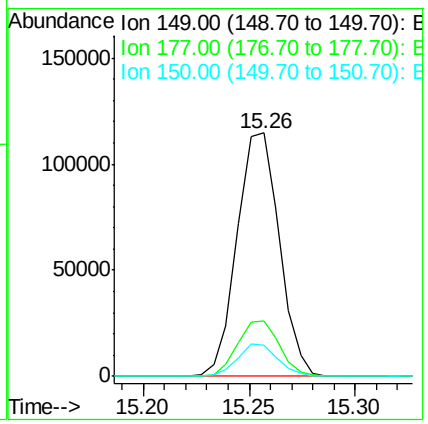




#56
Diethylphthalate
Concen: 1.95 ng/ul
RT: 15.26 min Scan# 2154
Delta R.T. 0.00 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

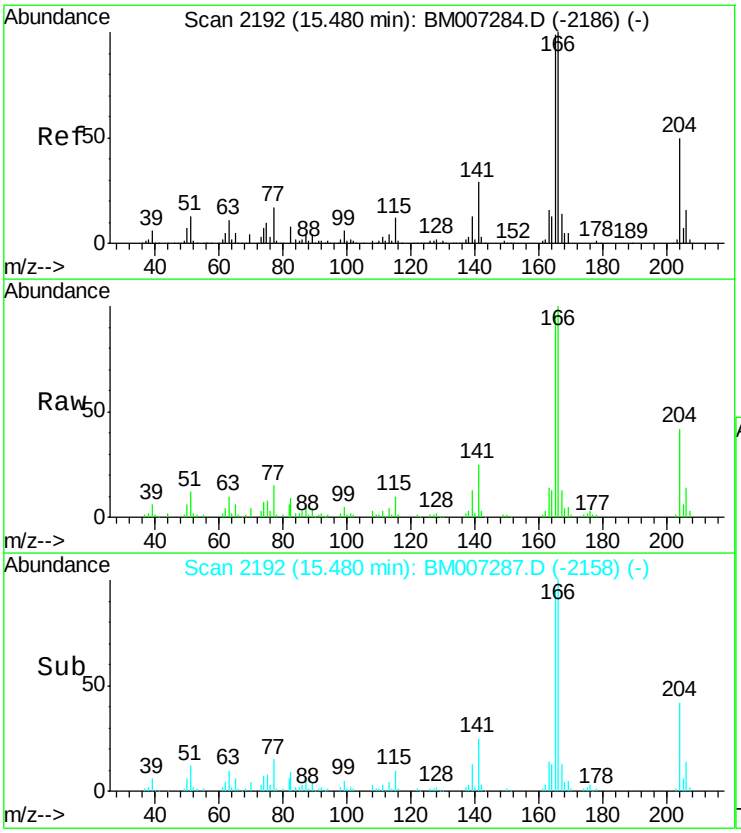
Tgt Ion:149 Resp: 159840

Ion	Ratio	Lower	Upper
149	100		
177	22.6	18.6	28.0
150	13.0	10.0	15.0



Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

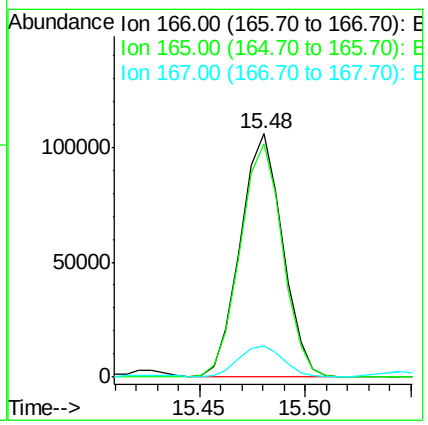
Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

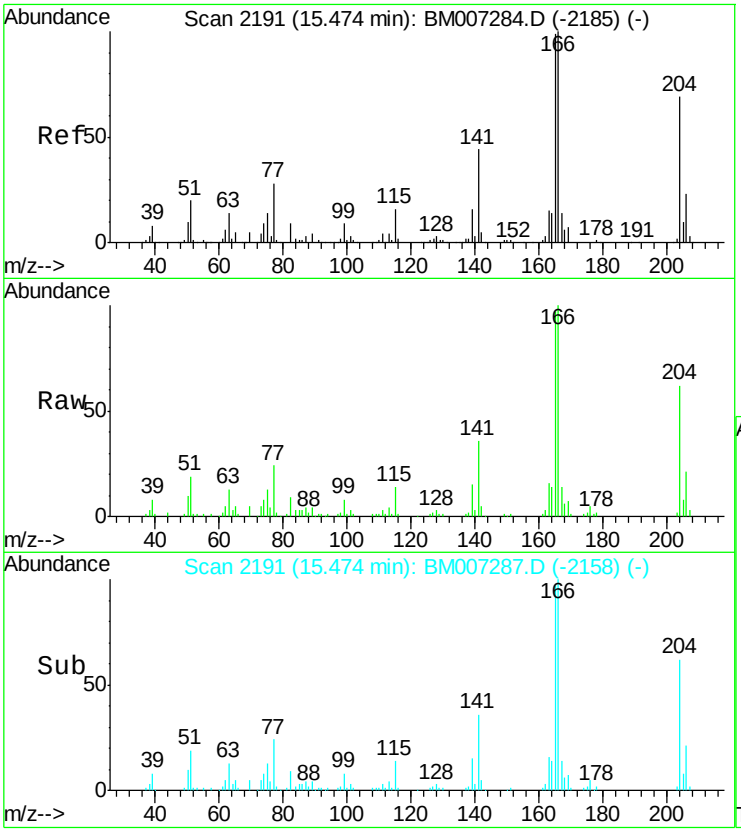


#58
Fluorene
Concen: 1.96 ng/ul
RT: 15.48 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion:166 Resp: 147672

Ion	Ratio	Lower	Upper
166	100		
165	96.0	79.9	119.9
167	12.7	10.5	15.7





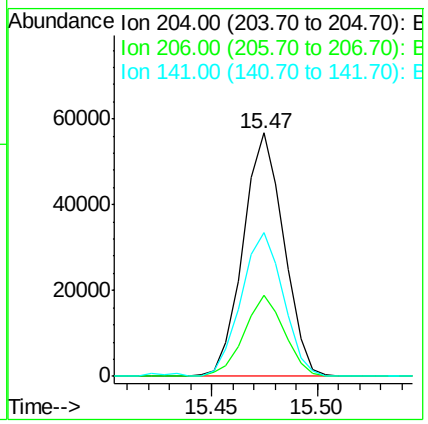
#59
4-Chlorophenyl-phenylether
Concen: 1.92 ng/ul
RT: 15.47 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

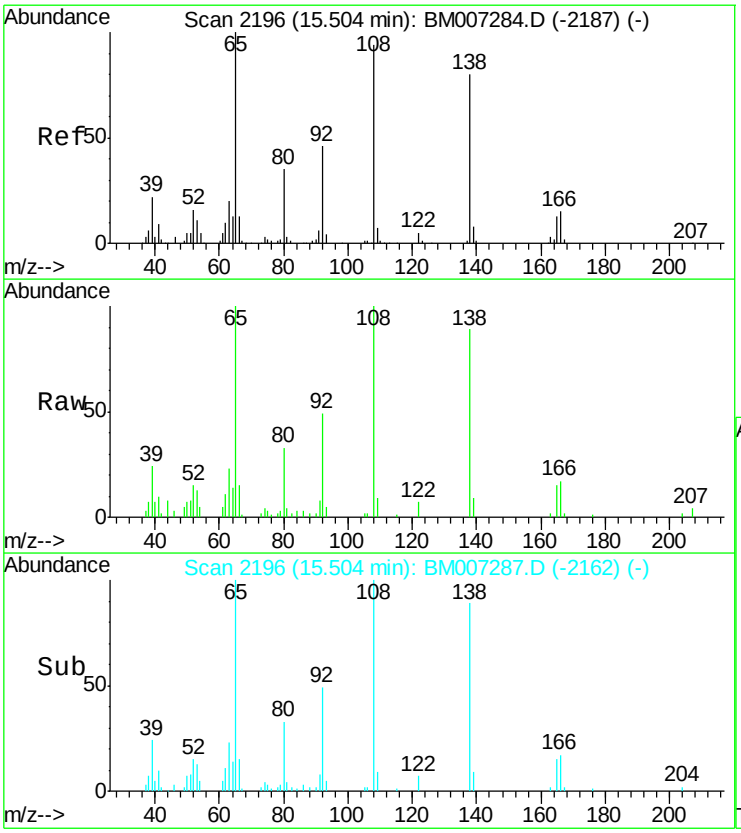
Tgt Ion:204 Resp: 75822

Ion	Ratio	Lower	Upper
204	100		
206	33.5	25.9	38.9
141	59.0	46.1	69.1

Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

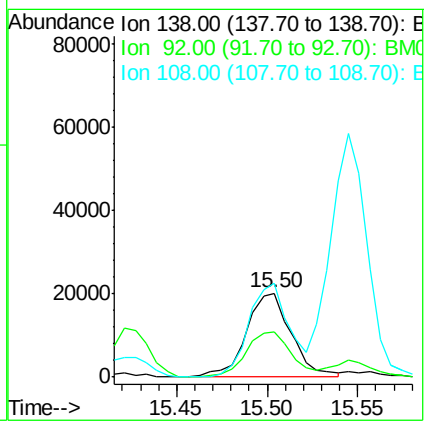


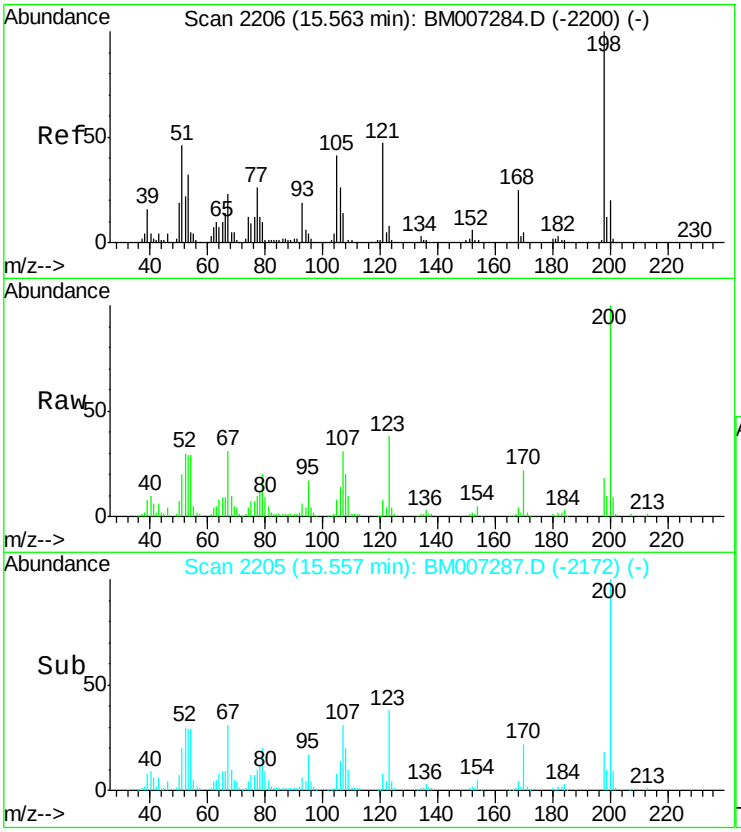


#60
4-Nitroaniline
Concen: 1.87 ng/ul
RT: 15.50 min Scan# 2196
Delta R.T. 0.00 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion:138 Resp: 34744

Ion	Ratio	Lower	Upper
138	100		
92	54.5	43.5	65.3
108	111.5	80.3	120.5





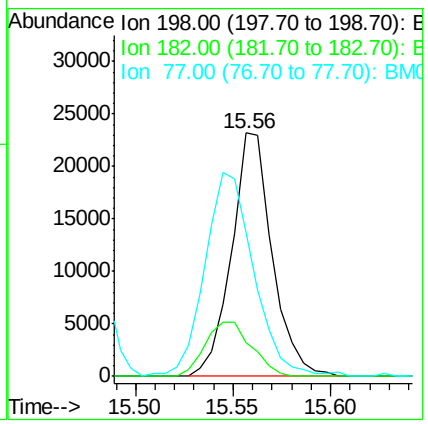
#63
4,6-Dinitro-2-methylphenol
Concen: 1.93 ng/ul
RT: 15.56 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

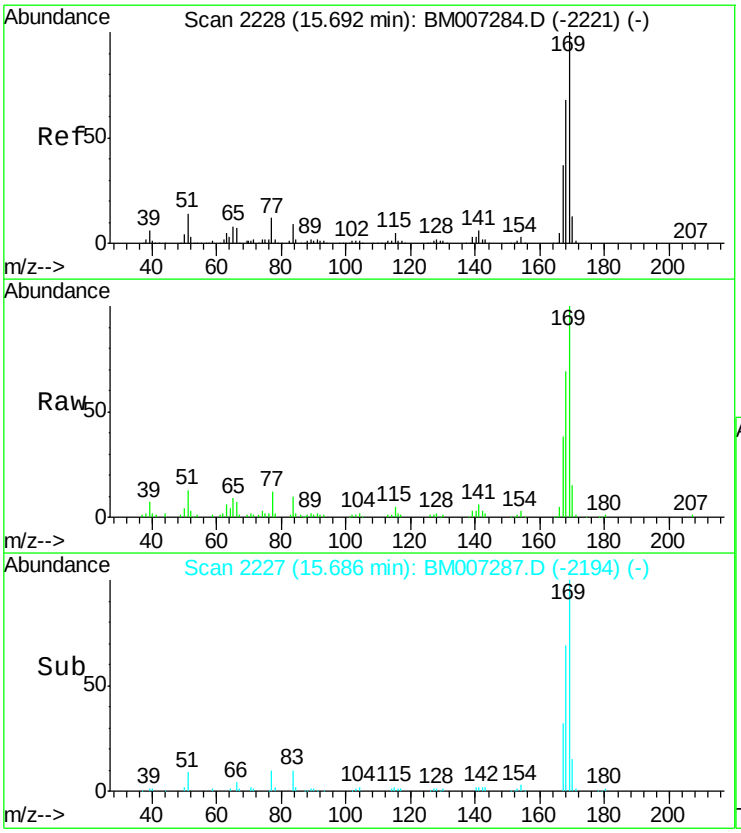
Tgt Ion:198 Resp: 33449

Ion	Ratio	Lower	Upper
198	100		
182	14.1	3.3	4.9#
77	59.0	21.8	32.6#

Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

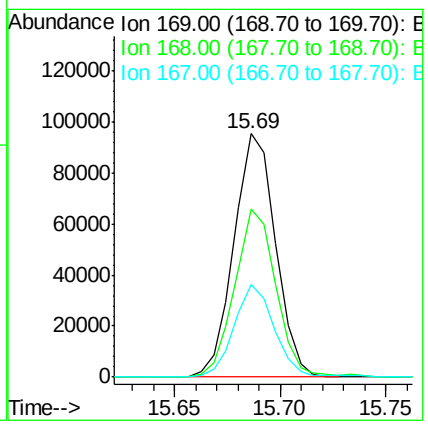


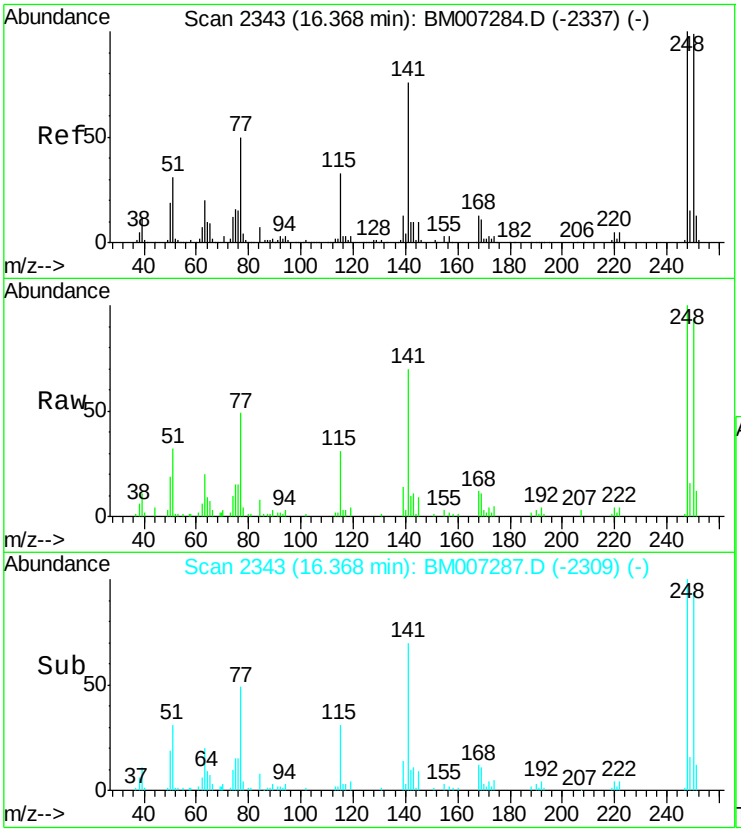


#64
N-Nitrosodiphenylamine
Concen: 1.81 ng/ul
RT: 15.69 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion:169 Resp: 130364

Ion	Ratio	Lower	Upper
169	100		
168	69.2	52.6	79.0
167	37.8	28.6	43.0

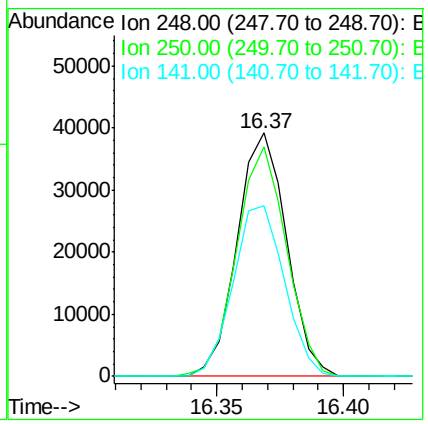




#65
4-Bromophenyl-phenylether
Concen: 1.83 ng/ul
RT: 16.37 min Scan# 2343
Delta R.T. 0.00 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

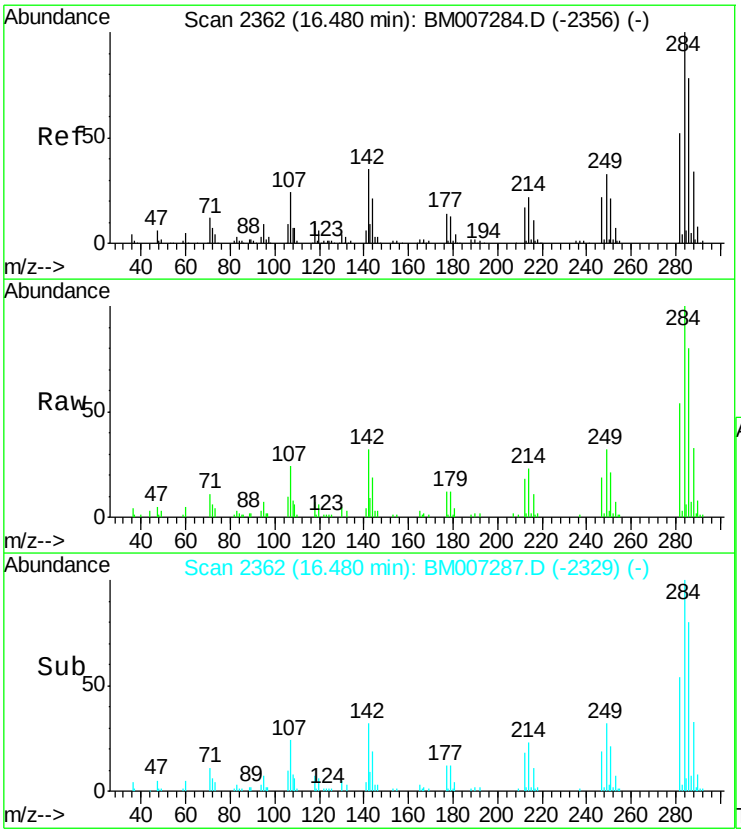
Tgt Ion:248 Resp: 53214

Ion	Ratio	Lower	Upper
248	100		
250	94.1	79.7	119.5
141	70.2	58.3	87.5



Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

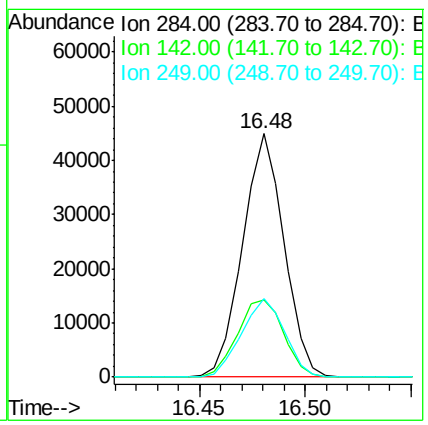
Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

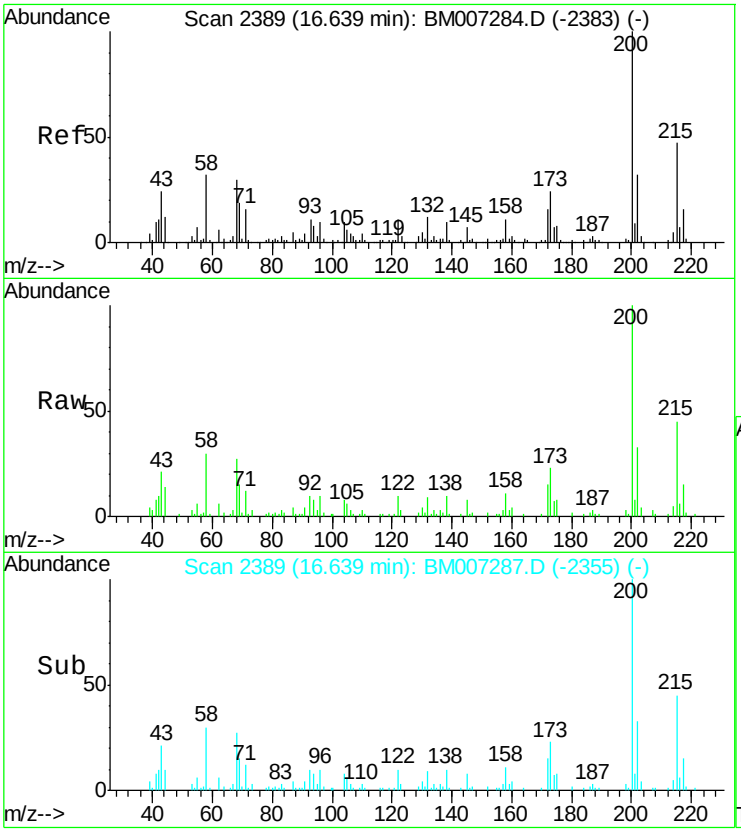


#66
Hexachlorobenzene
Concen: 1.88 ng/ul
RT: 16.48 min Scan# 2362
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion:284 Resp: 61194

Ion	Ratio	Lower	Upper
284	100		
142	32.0	24.9	37.3
249	32.2	25.5	38.3

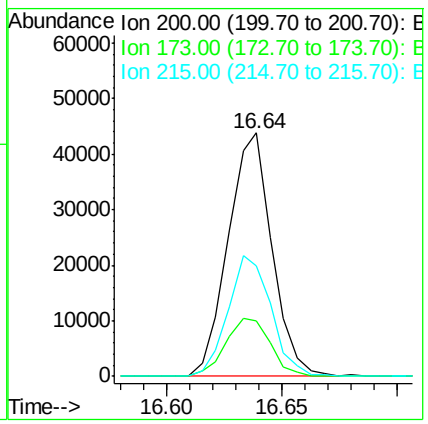




#67
Atrazine
Concen: 1.91 ng/ul
RT: 16.64 min Scan# 2389
Delta R.T. 0.00 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

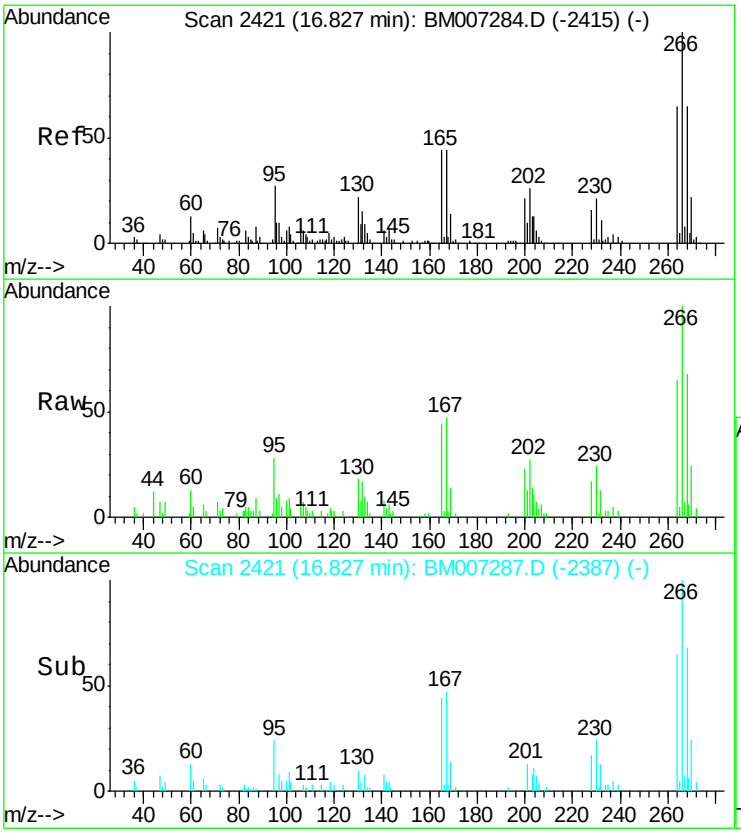
Tgt Ion:200 Resp: 57919

Ion	Ratio	Lower	Upper
200	100		
173	22.7	18.9	28.3
215	45.2	39.5	59.3



Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

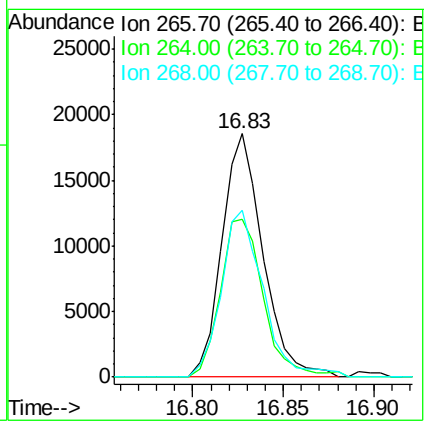
Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

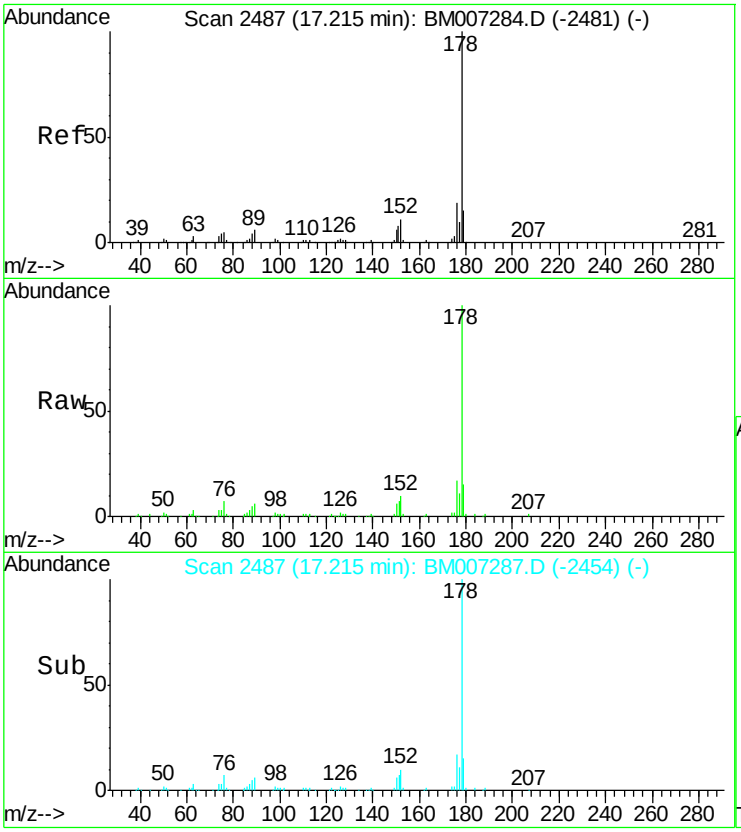


#68
Pentachlorophenol
Concen: 1.39 ng/ul
RT: 16.83 min Scan# 2421
Delta R.T. 0.00 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion:266 Resp: 29208

Ion	Ratio	Lower	Upper
266	100		
264	65.0	50.6	75.8
268	68.5	51.0	76.6

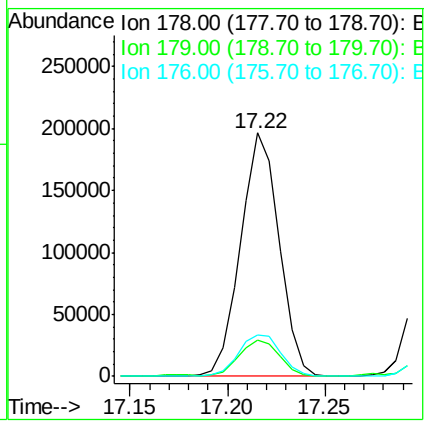




#69
Phenanthrene
Concen: 1.93 ng/ul
RT: 17.22 min Scan# 2487
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

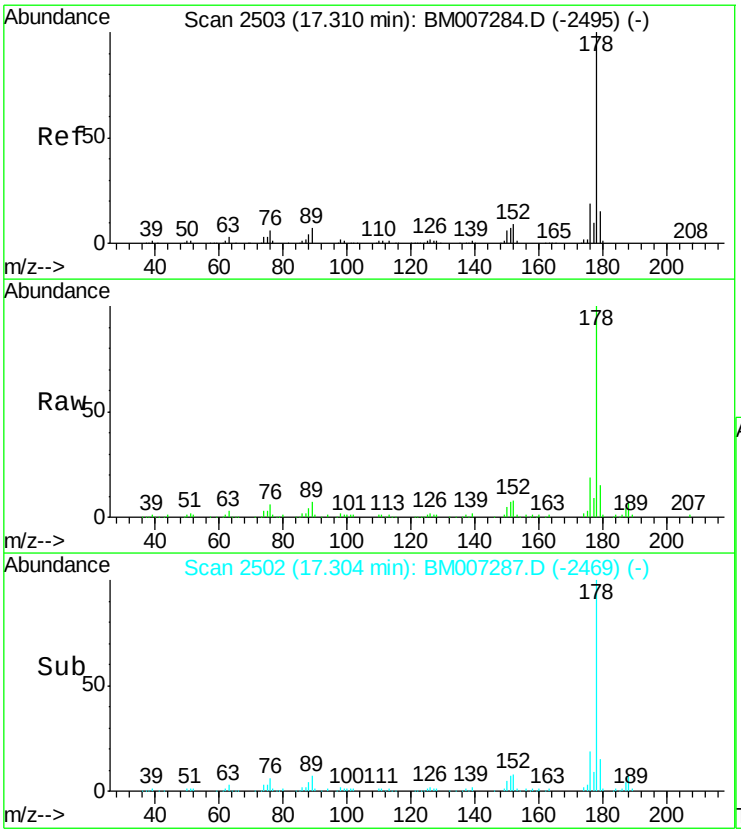
Tgt Ion:178 Resp: 267641

Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.2	18.2
176	17.2	15.1	22.7



Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

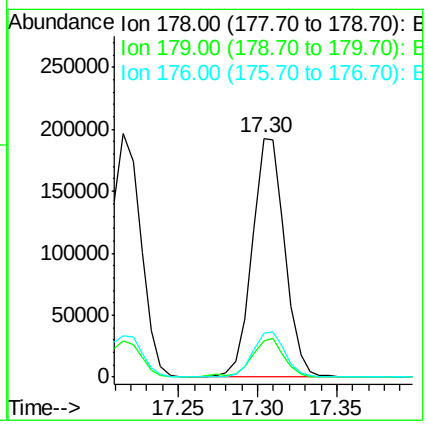
Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

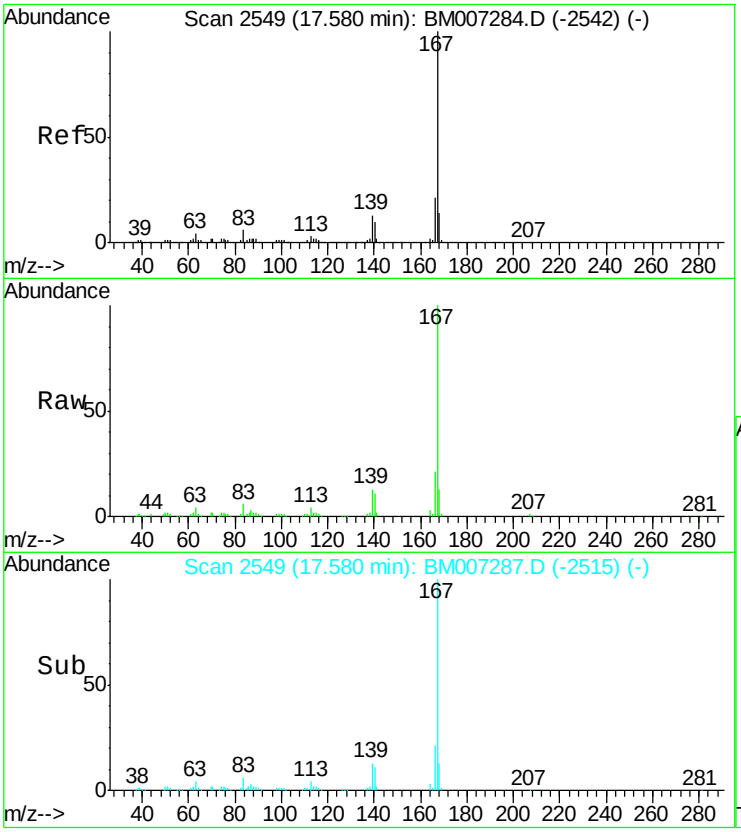


#71
Anthracene
Concen: 1.91 ng/ul
RT: 17.30 min Scan# 2502
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion:178 Resp: 273537

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.1	18.1
176	18.6	14.5	21.7

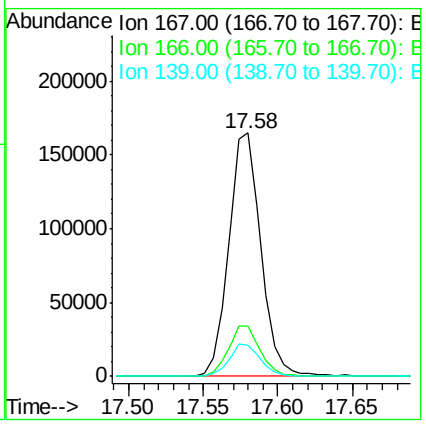




#72
Carbazole
Concen: 2.00 ng/ul
RT: 17.58 min Scan# 2549
Delta R.T. 0.00 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

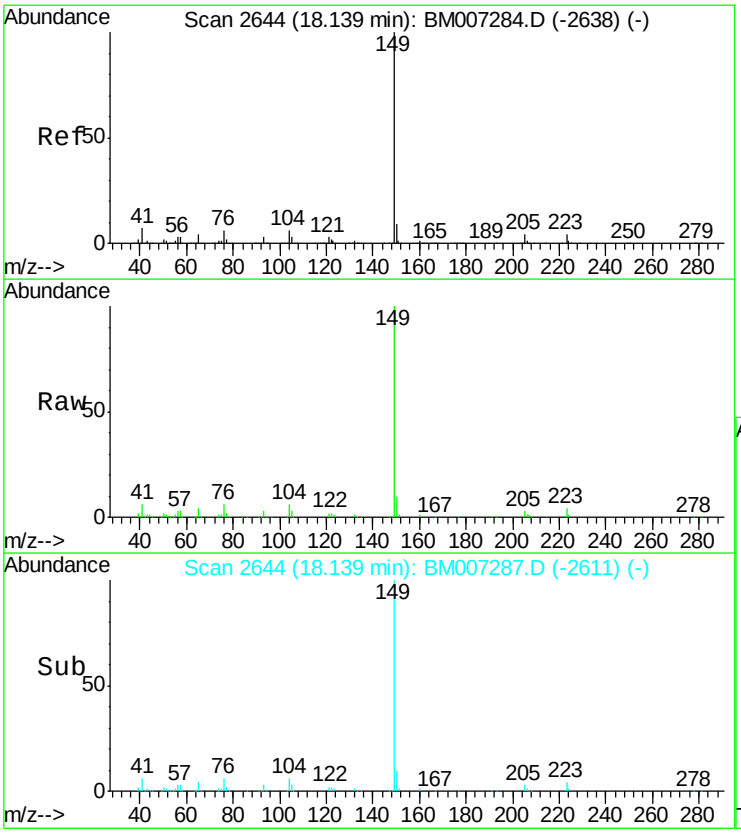
Tgt Ion:167 Resp: 248064

Ion	Ratio	Lower	Upper
167	100		
166	20.7	16.6	25.0
139	12.5	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

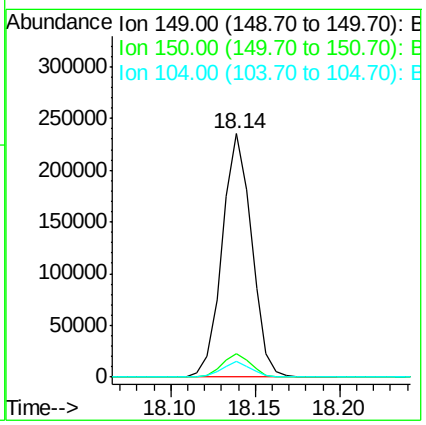
Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

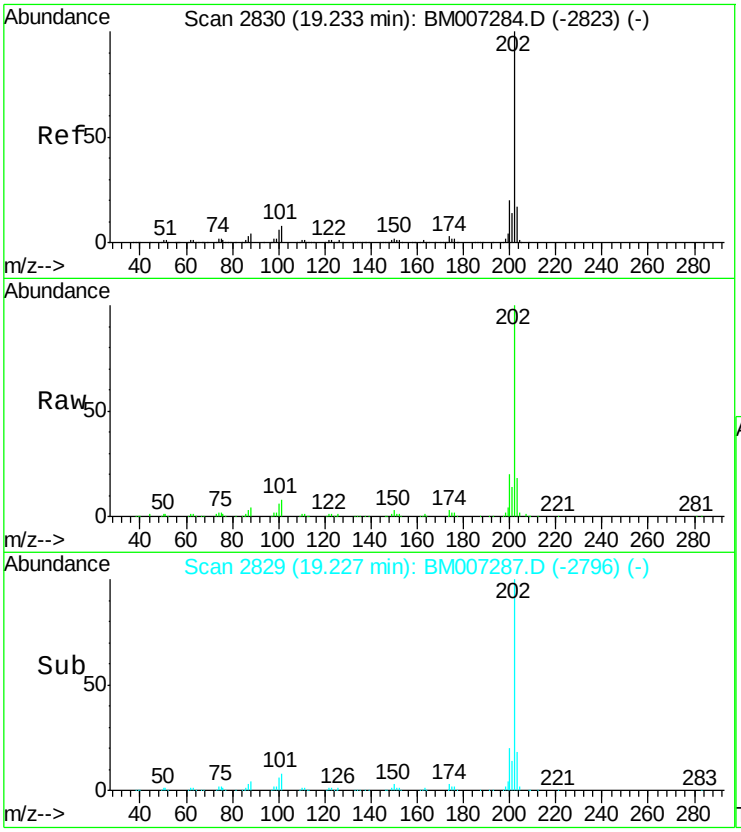


#73
Di-n-butylphthalate
Concen: 1.83 ng/ul
RT: 18.14 min Scan# 2644
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion:149 Resp: 285134

Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.6	11.4
104	6.2	4.6	7.0

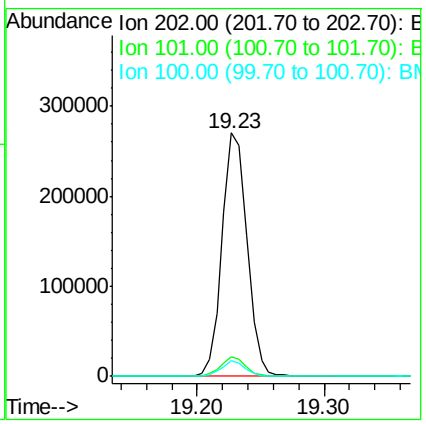




#74
Fluoranthene
Concen: 2.13 ng/ul
RT: 19.23 min Scan# 2829
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

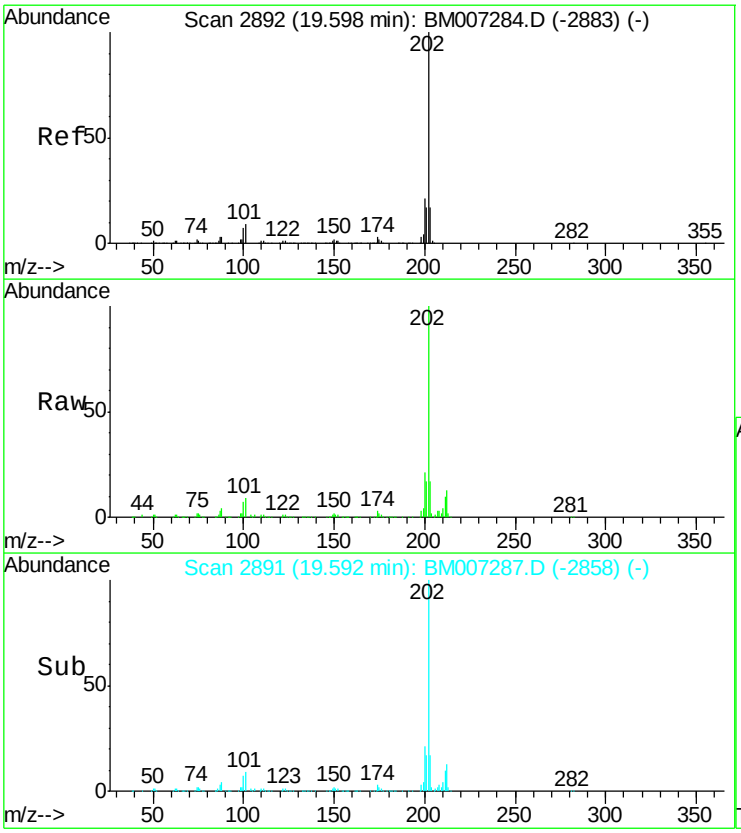
Tgt Ion:202 Resp: 369606

Ion	Ratio	Lower	Upper
202	100		
101	8.3	6.9	10.3
100	6.4	5.4	8.0



Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

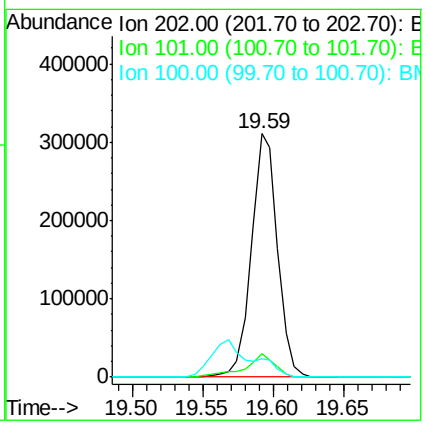
Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

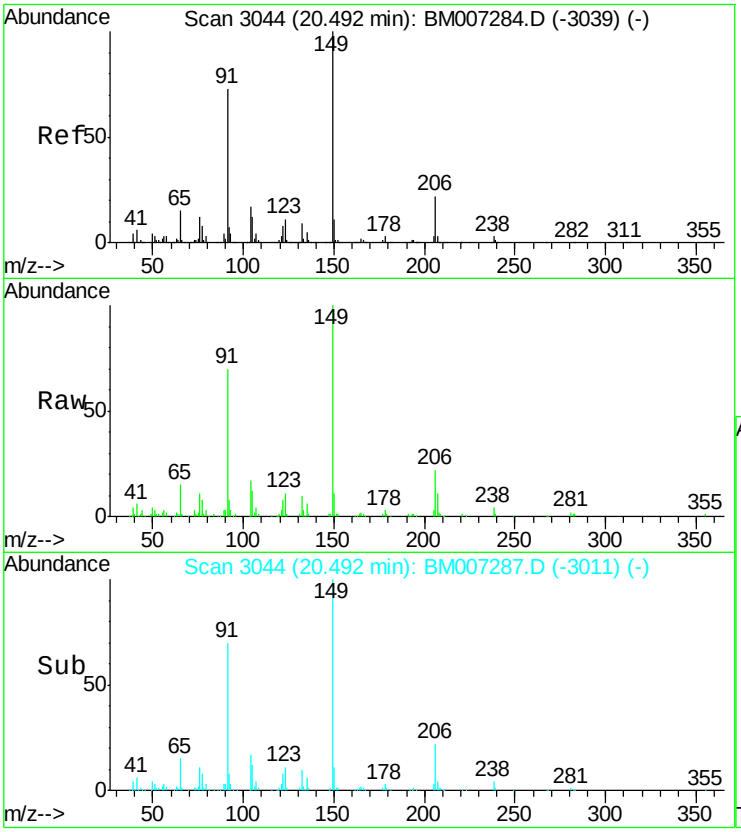


#77
Pyrene
Concen: 1.98 ng/ul
RT: 19.59 min Scan# 2891
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion:202 Resp: 404896

Ion	Ratio	Lower	Upper
202	100		
101	9.4	8.4	12.6
100	7.4	6.9	10.3





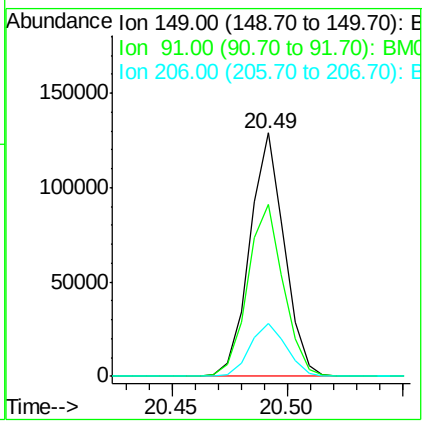
#78
Butylbenzylphthalate
Concen: 1.59 ng/ul
RT: 20.49 min Scan# 3044
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

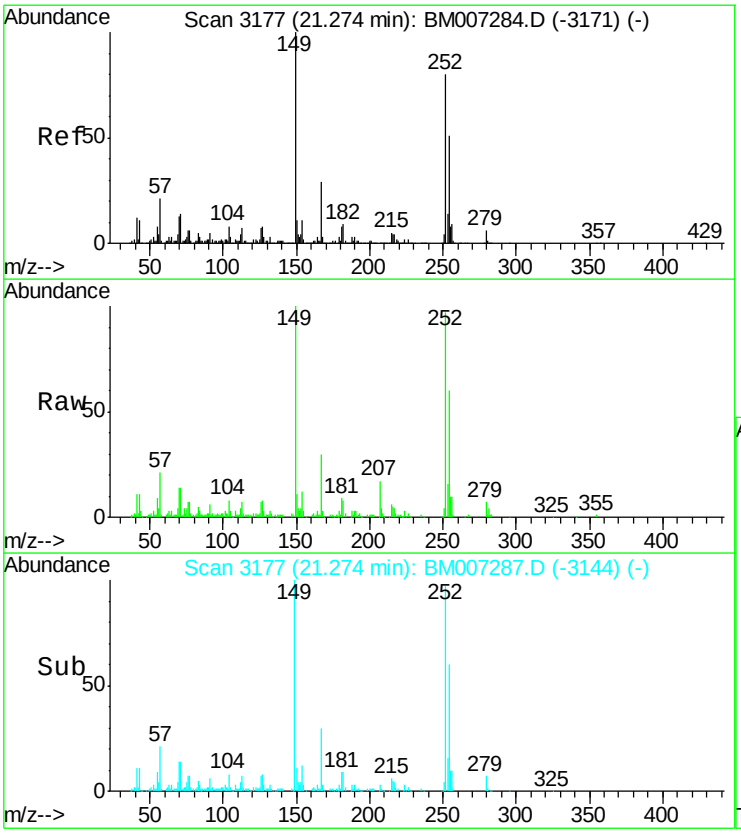
Tgt Ion:149 Resp: 135089

Ion	Ratio	Lower	Upper
149	100		
91	70.4	57.3	85.9
206	21.8	18.6	27.8

Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

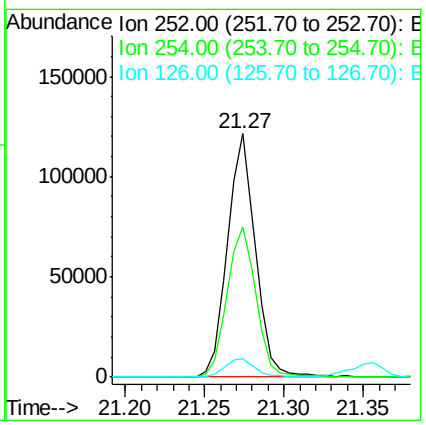


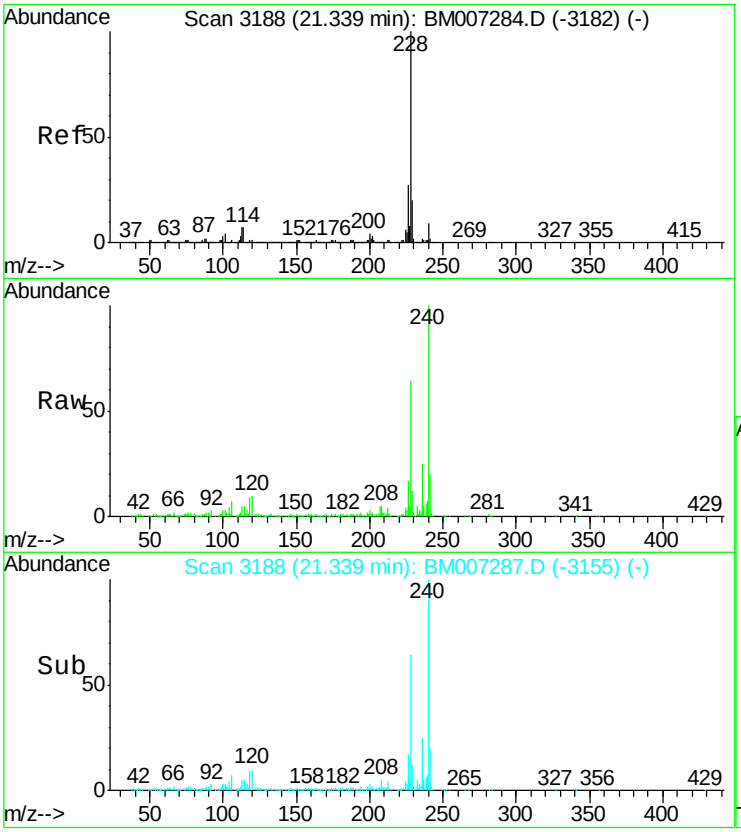


#79
3,3'-Dichlorobenzidine
Concen: 1.96 ng/ul
RT: 21.27 min Scan# 3177
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion:252 Resp: 148413

Ion	Ratio	Lower	Upper
252	100		
254	61.8	51.0	76.4
126	7.5	7.1	10.7

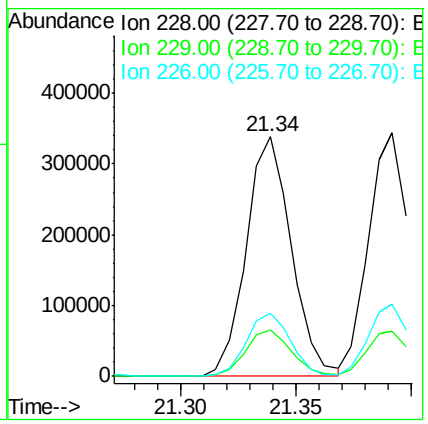




#80
Benzo(a)anthracene
Concen: 2.05 ng/ul
RT: 21.34 min Scan# 3188
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

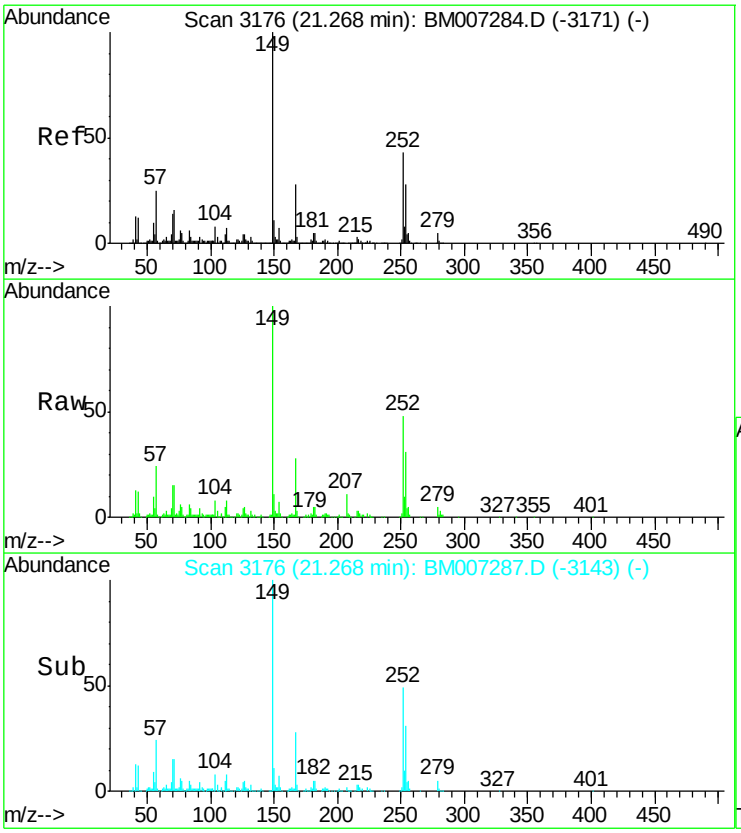
Tgt Ion:228 Resp: 461809

Ion	Ratio	Lower	Upper
228	100		
229	19.2	15.6	23.4
226	26.5	21.8	32.8



Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

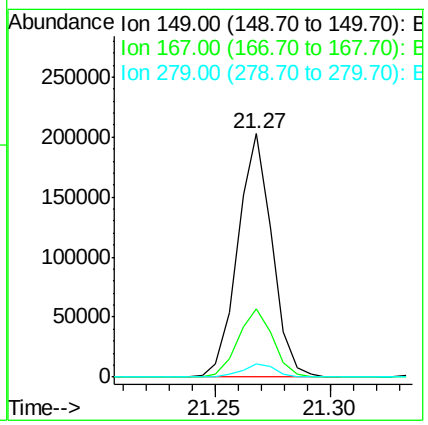
Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

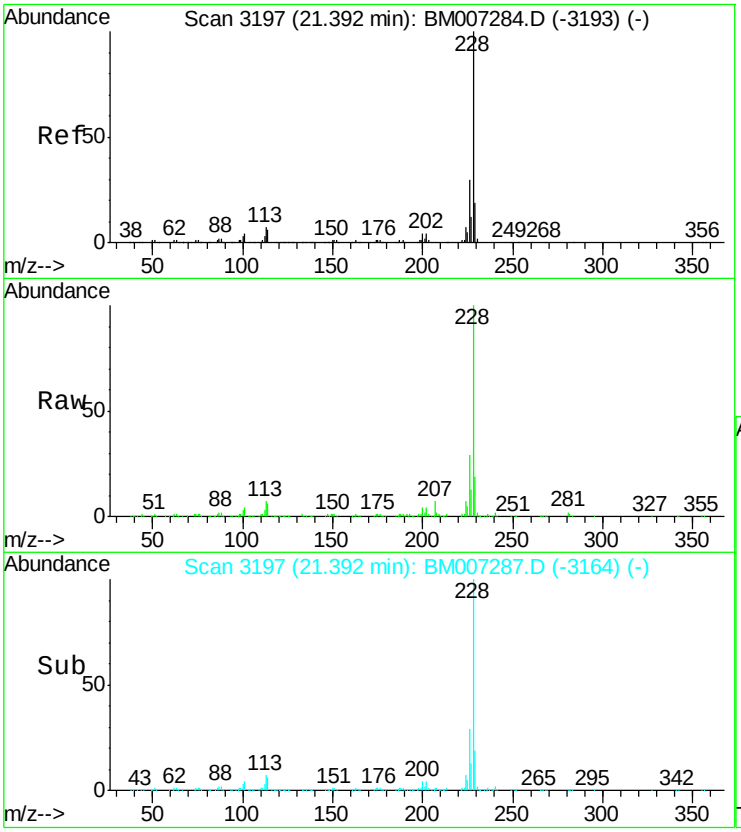


#81
Bis(2-ethylhexyl)phthalate
Concen: 1.69 ng/ul
RT: 21.27 min Scan# 3176
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion:149 Resp: 208821

Ion	Ratio	Lower	Upper
149	100		
167	28.3	23.2	34.8
279	5.3	4.1	6.1

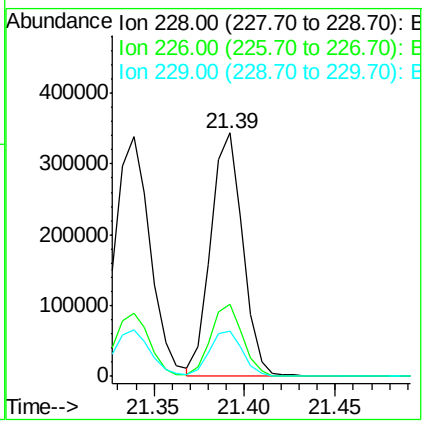




#82
Chrysene
Concen: 2.06 ng/ul
RT: 21.39 min Scan# 3197
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

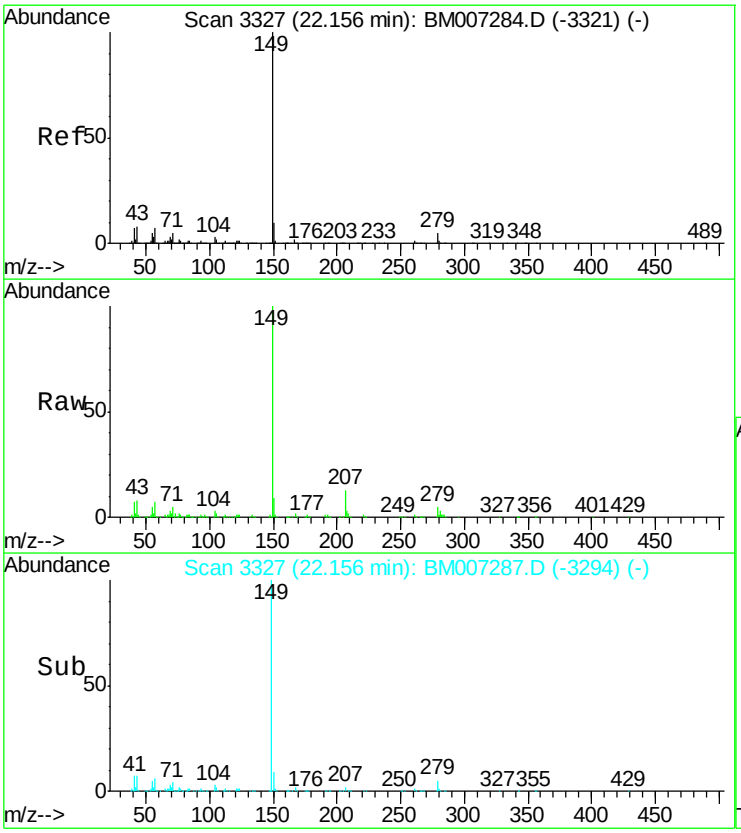
Tgt Ion:228 Resp: 420316

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.4	35.2
229	18.5	15.5	23.3



Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

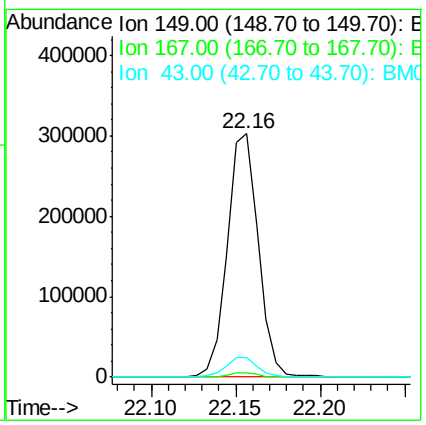
Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

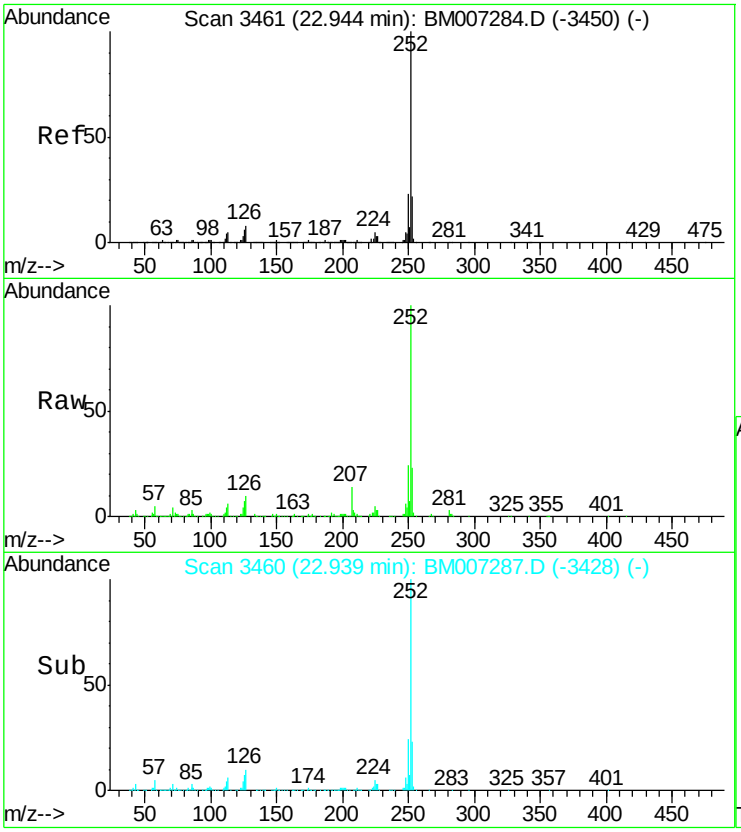


#84
Di-n-octyl phthalate
Concen: 1.78 ng/ul
RT: 22.16 min Scan# 3327
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion:149 Resp: 382541

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.9	6.6	10.0

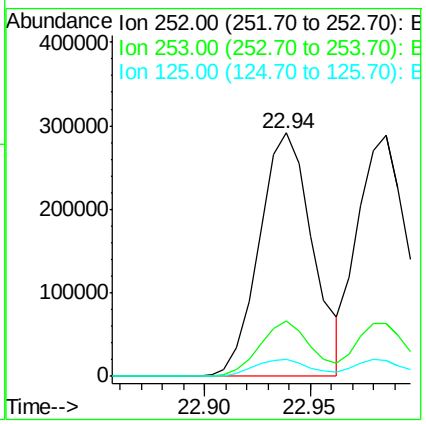




#85
Benzo(b)fluoranthene
Concen: 2.02 ng/ul
RT: 22.94 min Scan# 3460
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

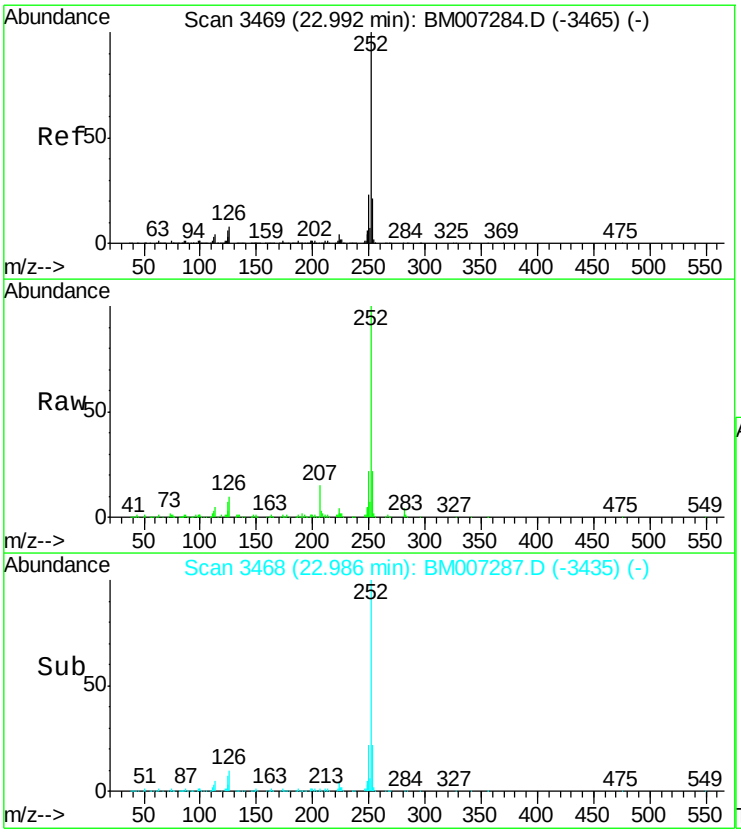
Tgt Ion:252 Resp: 514989

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	7.1	5.8	8.8



Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

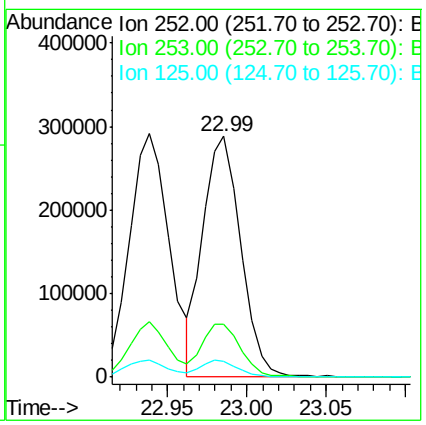
Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

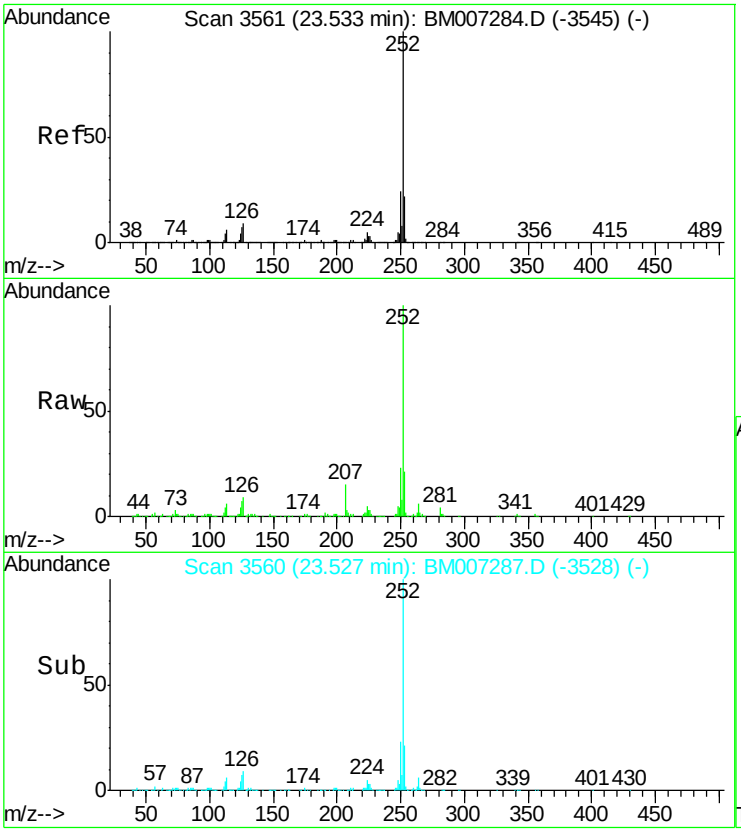


#86
Benzo(k)fluoranthene
Concen: 2.03 ng/ul
RT: 22.99 min Scan# 3468
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion:252 Resp: 477129

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	6.6	5.7	8.5

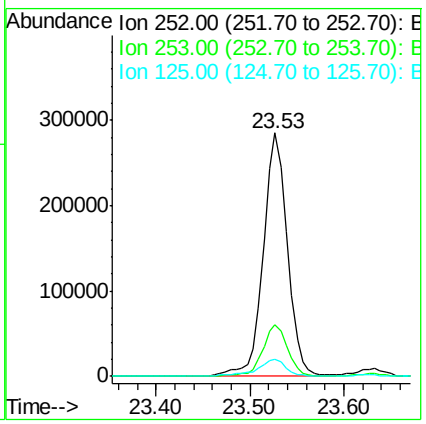




#88
Benzo(a)pyrene
Concen: 2.09 ng/ul
RT: 23.53 min Scan# 3560
Delta R.T. -0.01 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

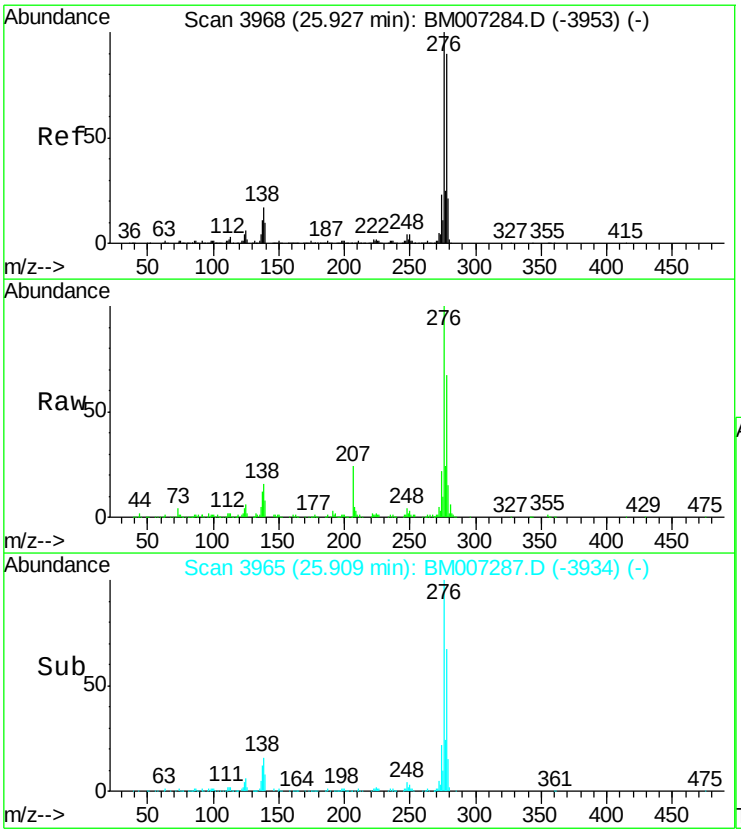
Tgt Ion:252 Resp: 509222

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.7	26.5
125	6.8	6.6	9.8



Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

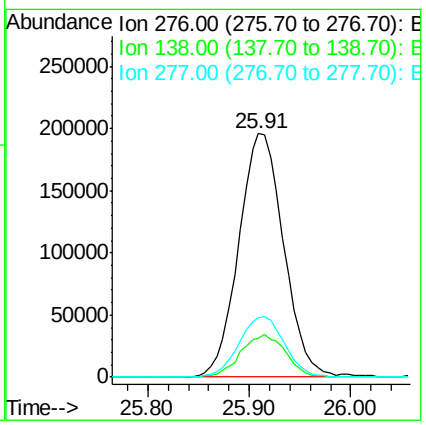
Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM

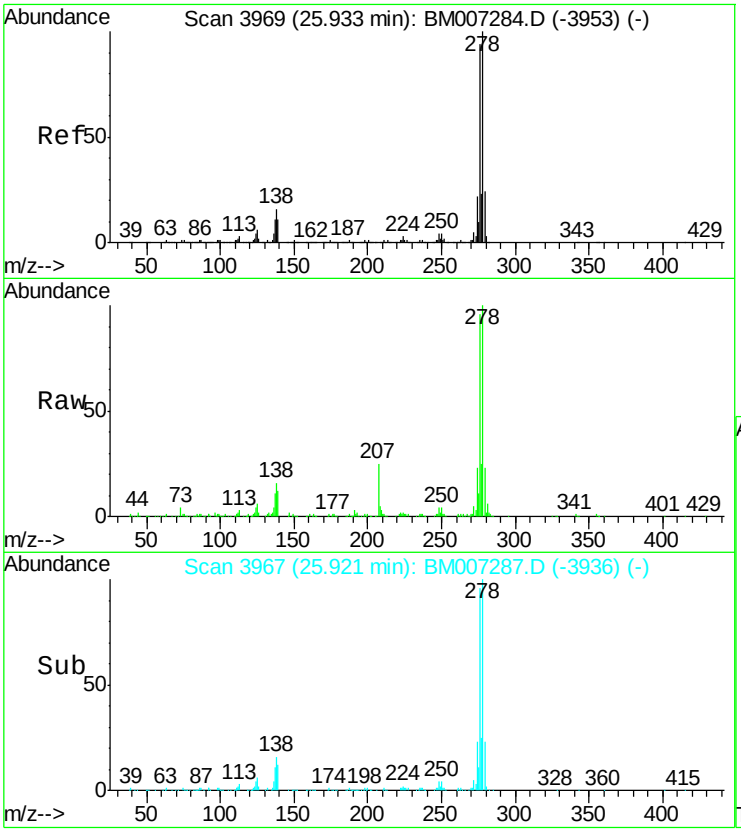


#89
Indeno(1,2,3-cd)pyrene
Concen: 2.01 ng/ul
RT: 25.91 min Scan# 3965
Delta R.T. -0.02 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion:276 Resp: 601123

Ion	Ratio	Lower	Upper
276	100		
138	16.1	13.9	20.9
277	24.5	20.1	30.1

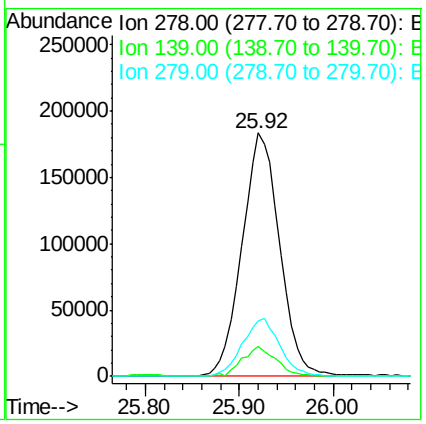




#90
Dibenzo(a,h)anthracene
Concen: 2.04 ng/ul
RT: 25.92 min Scan# 3967
Delta R.T. -0.02 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

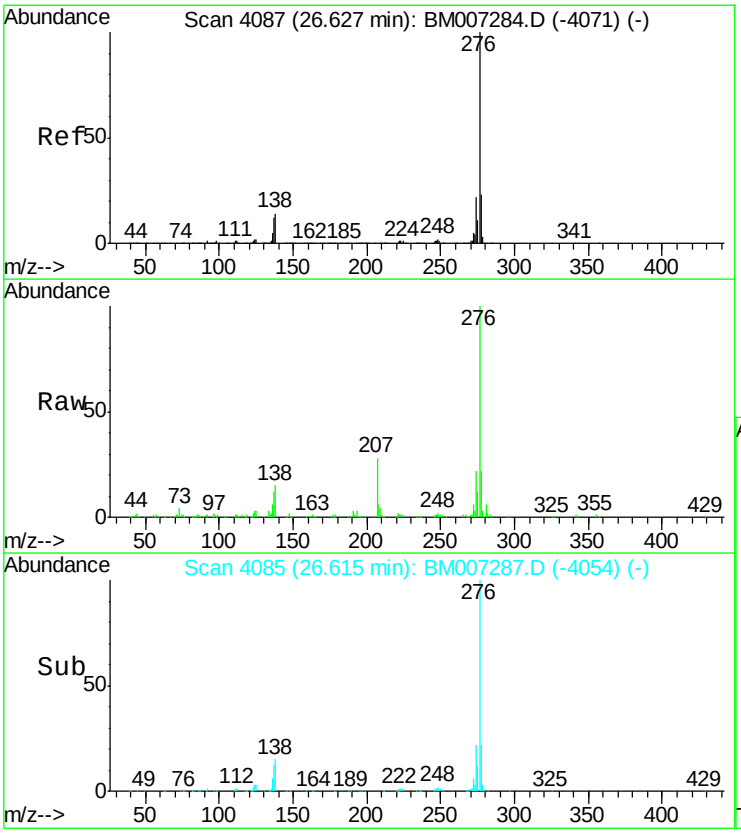
Tgt Ion:278 Resp: 508839

Ion	Ratio	Lower	Upper
278	100		
139	12.0	9.5	14.3
279	23.0	19.1	28.7



Instrument :
BNA_M
ClientSampleId :
MDL-02-S-ML

Manual Integrations APPROVED
umangi
8/25/2016 6:31:29 PM



#91
Benzo(g,h,i)perylene
Concen: 2.01 ng/ul
RT: 26.61 min Scan# 4085
Delta R.T. -0.02 min
Lab File: BM007287.D
Acq: 24 Aug 2016 21:38

Tgt Ion:276 Resp: 512009

Ion	Ratio	Lower	Upper
276	100		
138	14.6	13.5	20.3
277	22.2	19.3	28.9