Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082416\
Data File : BF089869.D
Acq On : 24 Aug 2016 12:56
Operator : UM/SJ
Sample : H4551-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AST-1MS

Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

Quant Time: Aug 25 15:18:36 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 19 14:02:57 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	412304	20.00	ng		-0.01
21) Naphthalene-d8	7.95	136	1665966	20.00	ng		-0.02
38) Acenaphthene-d10	9.71	164	749050	20.00	ng		0.00
63) Phenanthrene-d10	11.19	188	1470430	20.00	ng		0.00
75) Chrysene-d12	13.87	240	1167438	20.00	ng		0.00
86) Perylene-d12	15.39	264	1023726	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.26	112	3138816	130.55	ng		0.00
7) Phenol-d6	6.31	99	4420234	149.77	ng		-0.01
23) Nitrobenzene-d5	7.23	82	2616936	97.59	ng		-0.02
41) 2,4,6-Tribromophenol	10.49	330	821803	115.44	ng		-0.01
44) 2-Fluorobiphenyl	9.04	172	3761183	88.25	ng		-0.01
78) Terphenyl-d14	12.78	244	3566204	69.11	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.19	88	446384	37.52	ng		97
3) Pyridine	2.82	79	1322864	42.39	ng		92
4) n-Nitrosodimethylamine	2.79	42	509052	43.81	ng	#	77
6) Aniline	6.33	93	1051589	26.56	ng	#	43
8) 2-Chlorophenol	6.46	128	1189294	41.37	ng	#	77
9) Benzaldehyde	6.20	77	286030	14.88	ng		89
10) Phenol	6.33	94	1446562	41.82	ng		93
11) bis(2-Chloroethyl)ether	6.41	93	1136010	42.35	ng		99
12) 1,3-Dichlorobenzene	6.60	146	1238883	41.22	ng		99
13) 1,4-Dichlorobenzene	6.68	146	1260429	40.79	ng		98
14) 1,2-Dichlorobenzene	6.84	146	1221778	42.36	ng		99
15) Benzyl Alcohol	6.82	79	953884	48.74	ng	#	87
16) 2,2'-oxybis(1-Chloropropan	6.96	45	1301285	37.91	ng		94
17) 2-Methylphenol	6.94	107	1022030	45.38	ng		96
18) Hexachloroethane	7.19	117	472705	42.90	ng		92
19) n-Nitroso-di-n-propylamine	7.10	70	764577	40.51	ng		89
20) 3+4-Methylphenols	7.10	107	1296560	46.96	ng	#	48
22) Acetophenone	7.08	105	1439466	37.63	ng	#	88
24) Nitrobenzene	7.26	77	1272943	42.31	ng		95
25) Isophorone	7.50	82	2154654	39.84	ng		97
26) 2-Nitrophenol	7.58	139	615329	40.99	ng		98
27) 2,4-Dimethylphenol	7.62	122	1185519	43.82	ng		98
28) bis(2-Chloroethoxy)methane	7.71	93	1406775	42.04	ng		98
29) 2,4-Dichlorophenol	7.82	162	1022520	45.04	ng		97
30) 1,2,4-Trichlorobenzene	7.90	180	1007899	40.14	ng		98
31) Naphthalene	7.98	128	3196982	41.06	ng		98
33) 4-Chloroaniline	8.03	127	694639	20.58	ng		98
34) Hexachlorobutadiene	8.10	225	511050	38.87	ng		99
35) Caprolactam	8.39	113	281659	40.74	ng		91
36) 4-Chloro-3-methylphenol	8.52	107	1071685	43.59	ng		94
37) 2-Methylnaphthalene	8.67	142	2195651	43.59	ng		100
39) 1,2,4,5-Tetrachlorobenzene	8.83	216	689479	28.43	ng		98
40) Hexachlorocyclopentadiene	8.83	237	836622	99.35	ng		98
42) 2,4,6-Trichlorophenol	8.95	196	405849	26.60	ng		99

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082416\
Data File : BF089869.D
Acq On : 24 Aug 2016 12:56
Operator : UM/SJ
Sample : H4551-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-1MS

Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

Quant Time: Aug 25 15:18:36 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 19 14:02:57 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) 2,4,5-Trichlorophenol	8.99	196	569762	37.54	ng	#	93
45) 1,1'-Biphenyl	9.14	154	2245095	38.73	ng		92
46) 2-Chloronaphthalene	9.15	162	1867606	40.76	ng		98
47) 2-Nitroaniline	9.26	65	652551	49.93	ng	#	75
48) Acenaphthylene	9.56	152	2983242	43.33	ng		100
49) Dimethylphthalate	9.45	163	3552208	67.35	ng	#	99
50) 2,6-Dinitrotoluene	9.51	165	530187	43.54	ng	#	58
51) Acenaphthene	9.74	154	1856260	40.73	ng		99
52) 3-Nitroaniline	9.67	138	570230	42.27	ng	#	77
53) 2,4-Dinitrophenol	9.76	184	5207	3.35	ng	#	62
54) Dibenzofuran	9.91	168	2759438	48.21	ng		97
55) 4-Nitrophenol	9.82	139	247384	22.47	ng	#	87
56) 2,4-Dinitrotoluene	9.90	165	674582	42.70	ng	#	76
57) Fluorene	10.25	166	1904604	41.76	ng		98
58) 2,3,4,6-Tetrachlorophenol	10.03	232	235543	21.32	ng	#	95
59) Diethylphthalate	10.15	149	2422834	45.22	ng		97
60) 4-Chlorophenyl-phenylether	10.25	204	858746	41.27	ng		97
61) 4-Nitroaniline	10.27	138	558067	44.12	ng		95
62) Azobenzene	10.41	77	2314876	45.96	ng		95
64) 4,6-Dinitro-2-methylphenol	10.30	198	34198	4.05	ng	#	70
65) n-Nitrosodiphenylamine	10.38	169	2070936	44.79	ng		100
66) 4-Bromophenyl-phenylether	10.74	248	643129	41.72	ng	#	86
67) Hexachlorobenzene	10.80	284	657996	37.41	ng	#	85
68) Atrazine	10.90	200	569199	40.20	ng		97
69) Pentachlorophenol	10.99	266	190156	19.08	ng		97
70) Phenanthrene	11.21	178	3231427	43.51	ng		97
71) Anthracene	11.26	178	2997258	39.70	ng		99
72) Carbazole	11.42	167	2870715	42.40	ng		98
73) Di-n-butylphthalate	11.77	149	3751993	44.29	ng	#	98
74) Fluoranthene	12.39	202	3082103	43.63	ng		93
76) Benzidine	12.53	184	1386296	36.69	ng		97
77) Pyrene	12.62	202	3010795	31.67	ng		97
79) Butylbenzylphthalate	13.28	149	1616521	37.65	ng		94
80) Benzo(a)anthracene	13.86	228	2798506	41.86	ng		99
81) 3,3'-Dichlorobenzidine	13.83	252	808610	36.89	ng		98
82) Chrysene	13.91	228	2449026	42.73	ng		99
83) Bis(2-ethylhexyl)phthalate	13.89	149	2575355	43.54	ng	#	99
84) Di-n-octyl phthalate	14.58	149	3831538	48.75	ng	#	94
85) Indeno(1,2,3-cd)pyrene	16.69	276	2277243	31.14	ng		100
87) Benzo(b)fluoranthene	15.01	252	2808189	49.86	ng	#	95
88) Benzo(k)fluoranthene	15.03	252	2042911m	39.98	ng		
89) Benzo(a)pyrene	15.34	252	2282113	42.81	ng		98
90) Dibenzo(a,h)anthracene	16.71	278	1892870	32.72	ng		96
91) Benzo(g,h,i)perylene	17.07	276	1914315	31.42	ng		100

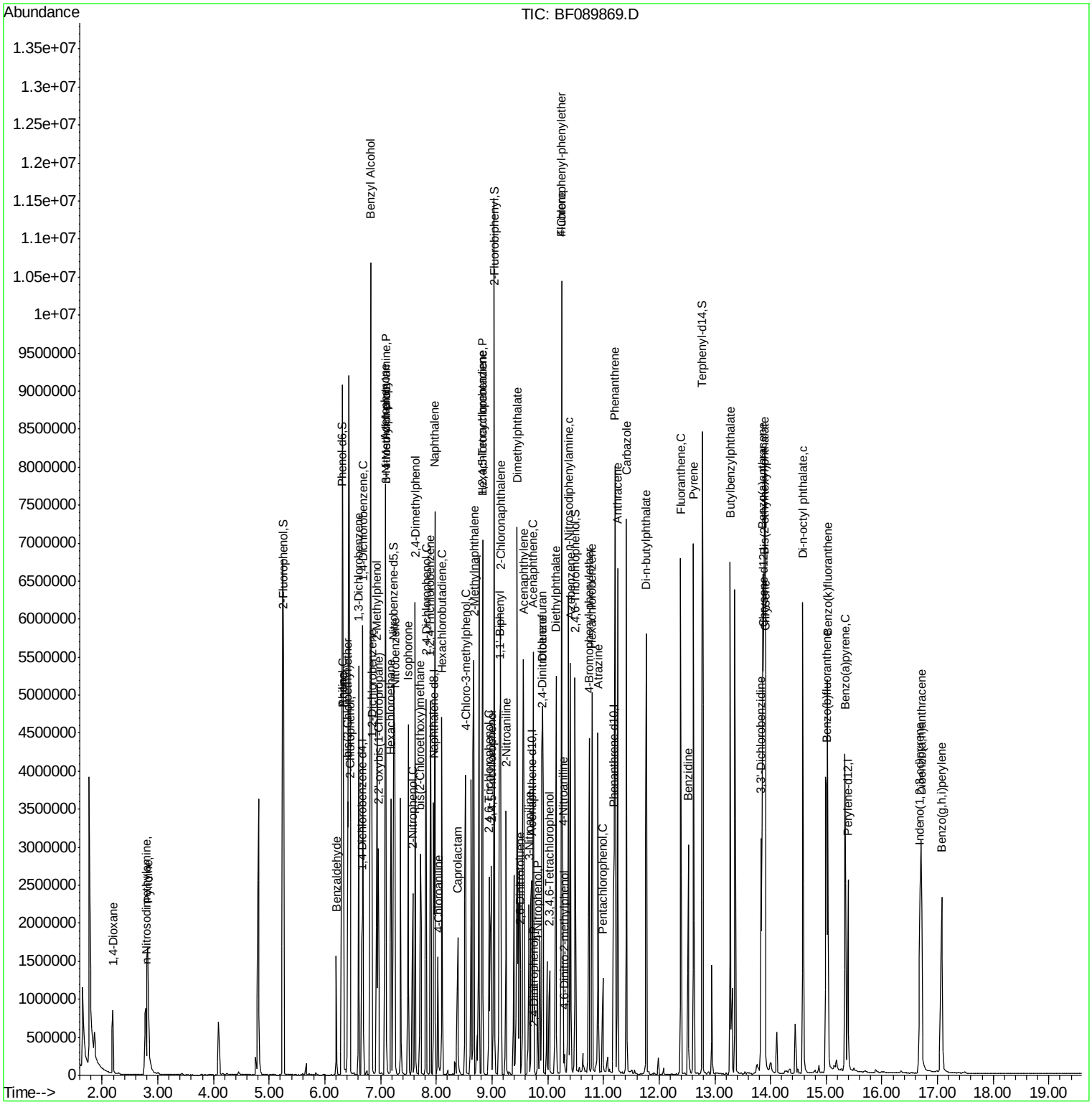
(#) = qualifier out of range (m) = manual integration (+) = signals summed

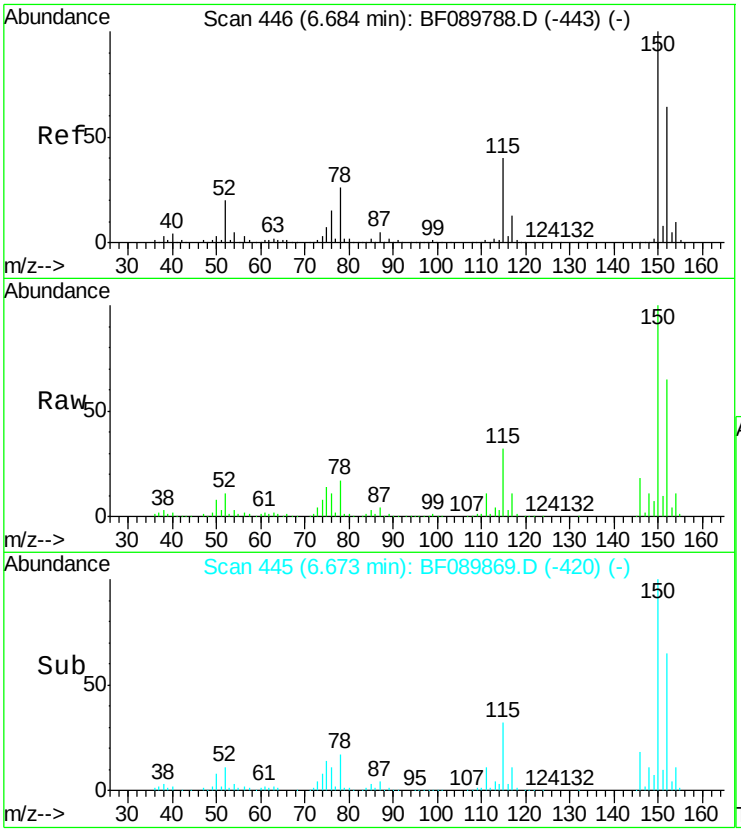
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082416\
Data File : BF089869.D
Acq On : 24 Aug 2016 12:56
Operator : UM/SJ
Sample : H4551-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 25 15:18:36 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 19 14:02:57 2016
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
AST-1MS

Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

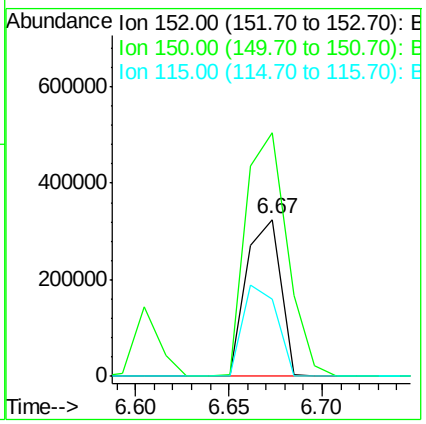




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 445
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

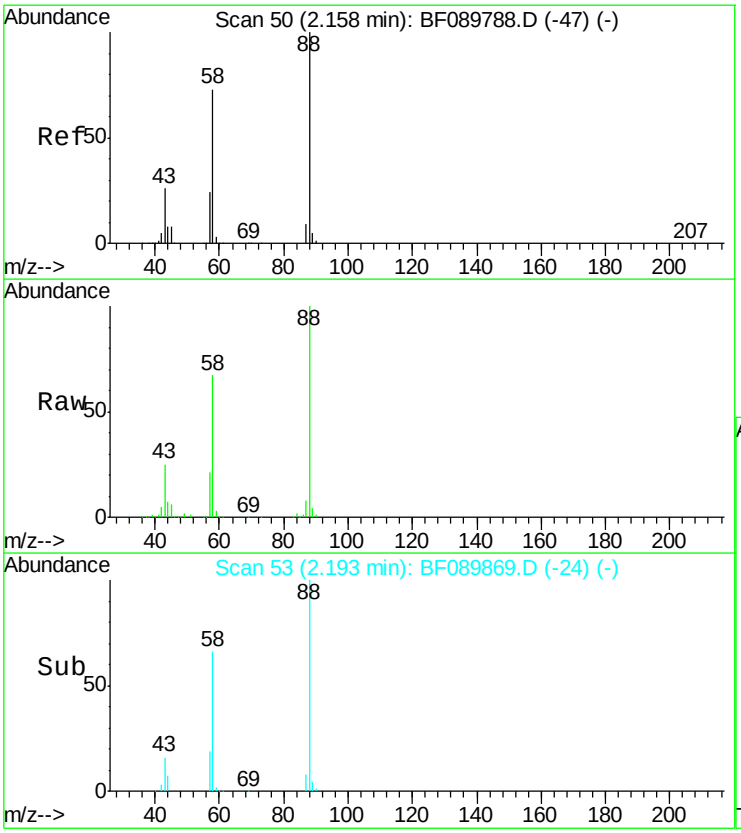
Tgt Ion:152 Resp: 412304

Ion	Ratio	Lower	Upper
152	100		
150	154.9	125.3	187.9
115	49.3	40.9	61.3



Instrument :
BNA_F
ClientSampleId :
AST-1MS

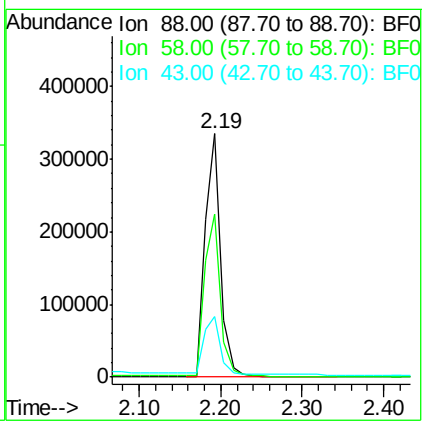
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

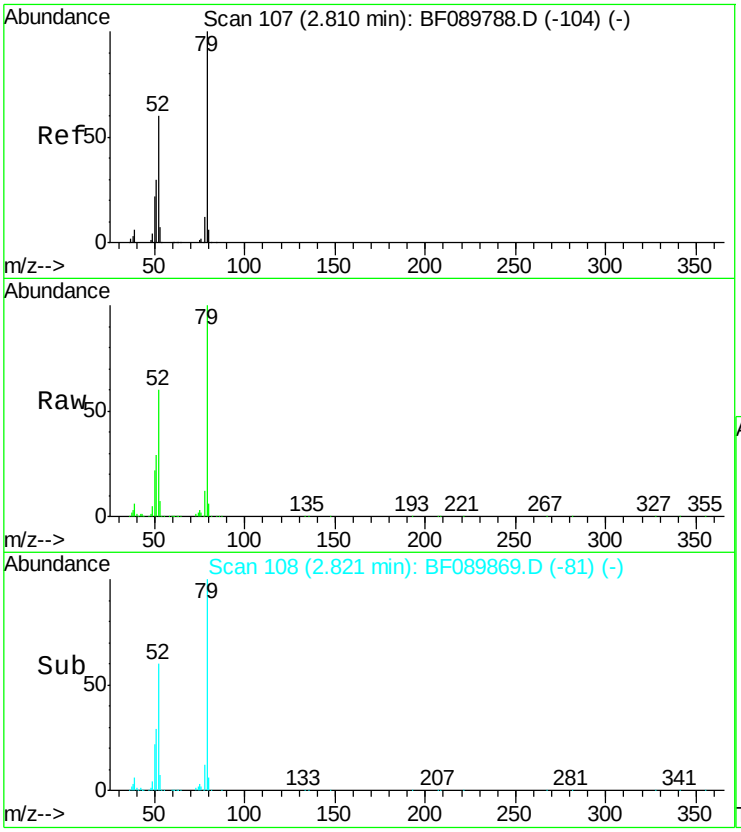


#2
1,4-Dioxane
Concen: 37.52 ng
RT: 2.19 min Scan# 53
Delta R.T. 0.03 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion: 88 Resp: 446384

Ion	Ratio	Lower	Upper
88	100		
58	68.7	57.0	85.4
43	25.9	21.8	32.8

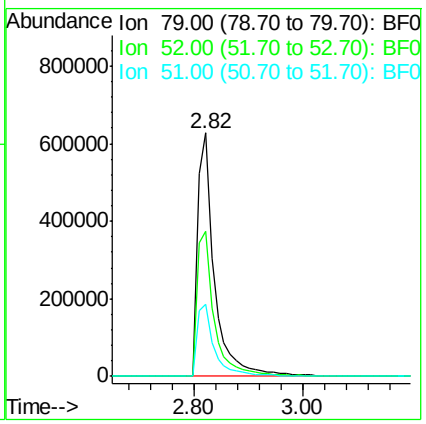




#3
Pyridine
Concen: 42.39 ng
RT: 2.82 min Scan# 108
Delta R.T. 0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

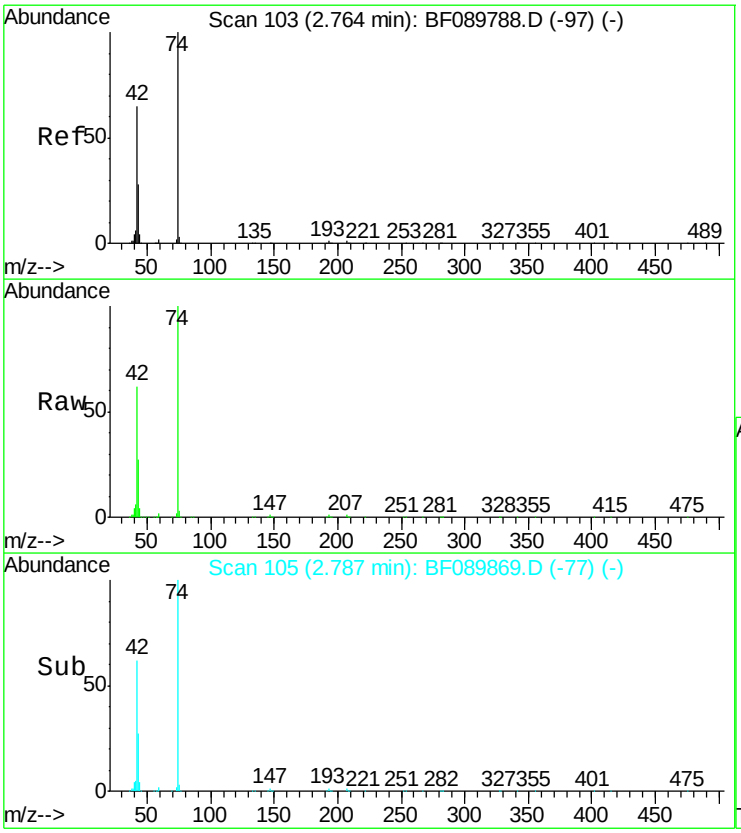
Tgt Ion: 79 Resp: 1322864

Ion	Ratio	Lower	Upper
79	100		
52	59.6	53.6	80.4
51	29.4	26.6	39.8



Instrument :
BNA_F
ClientSampleId :
AST-1MS

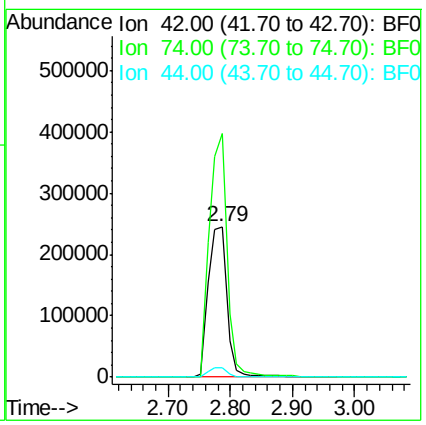
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

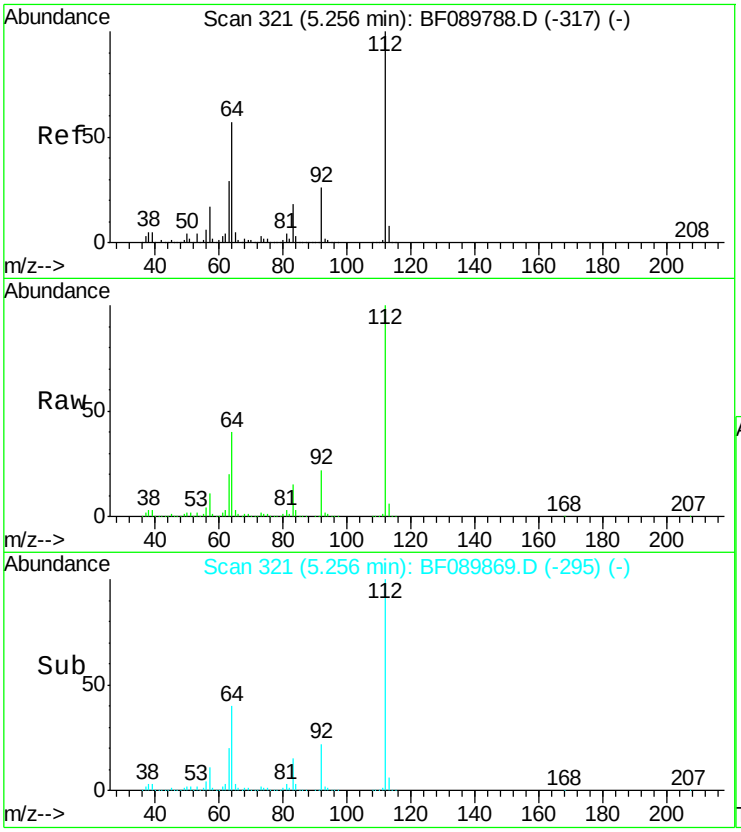


#4
n-Nitrosodimethylamine
Concen: 43.81 ng
RT: 2.79 min Scan# 105
Delta R.T. 0.02 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion: 42 Resp: 509052

Ion	Ratio	Lower	Upper
42	100		
74	161.7	106.2	159.2#
44	6.5	6.9	10.3#

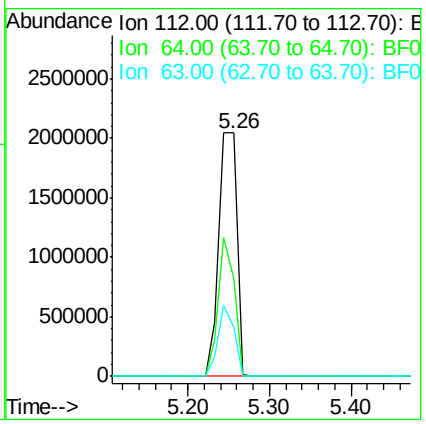




#5
2-Fluorophenol
Concen: 130.55 ng
RT: 5.26 min Scan# 321
Delta R.T. 0.00 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

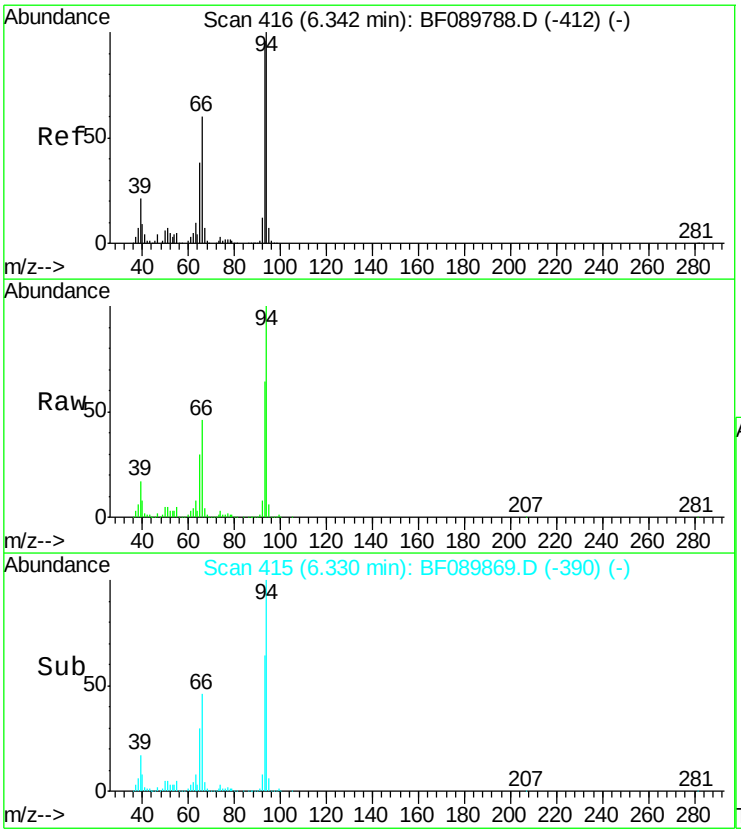
Tgt Ion:112 Resp: 3138816

Ion	Ratio	Lower	Upper
112	100		
64	40.4	45.0	67.4#
63	20.4	23.1	34.7#



Instrument :
BNA_F
ClientSampleId :
AST-1MS

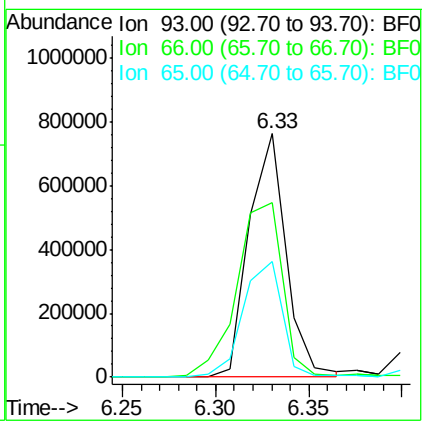
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

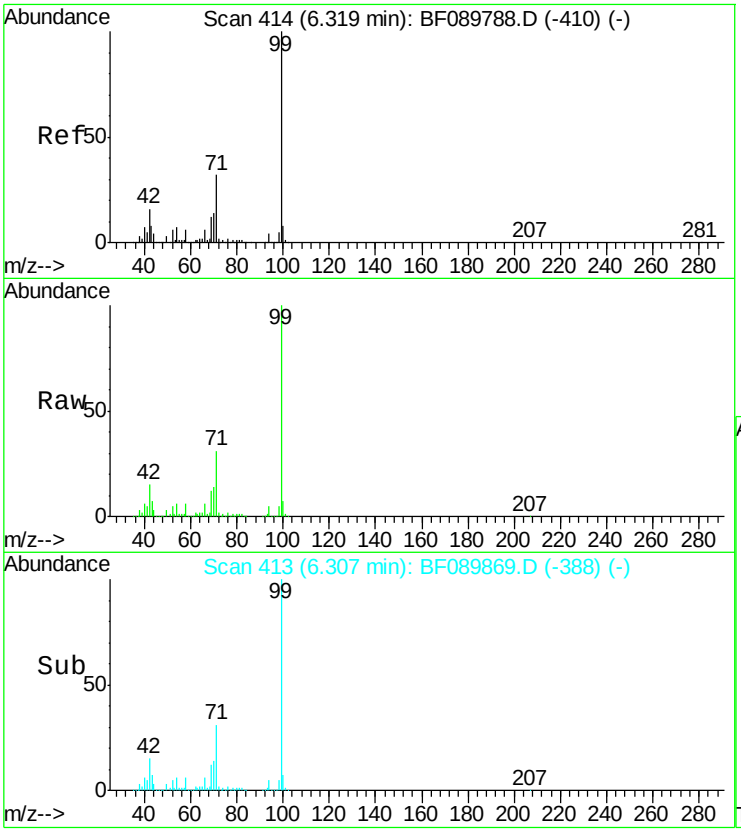


#6
Aniline
Concen: 26.56 ng
RT: 6.33 min Scan# 415
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion: 93 Resp: 1051589

Ion	Ratio	Lower	Upper
93	100		
66	71.6	30.6	46.0#
65	47.4	15.4	23.2#

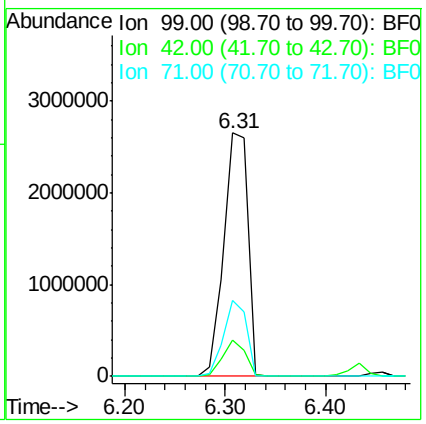




#7
Phenol-d6
Concen: 149.77 ng
RT: 6.31 min Scan# 413
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

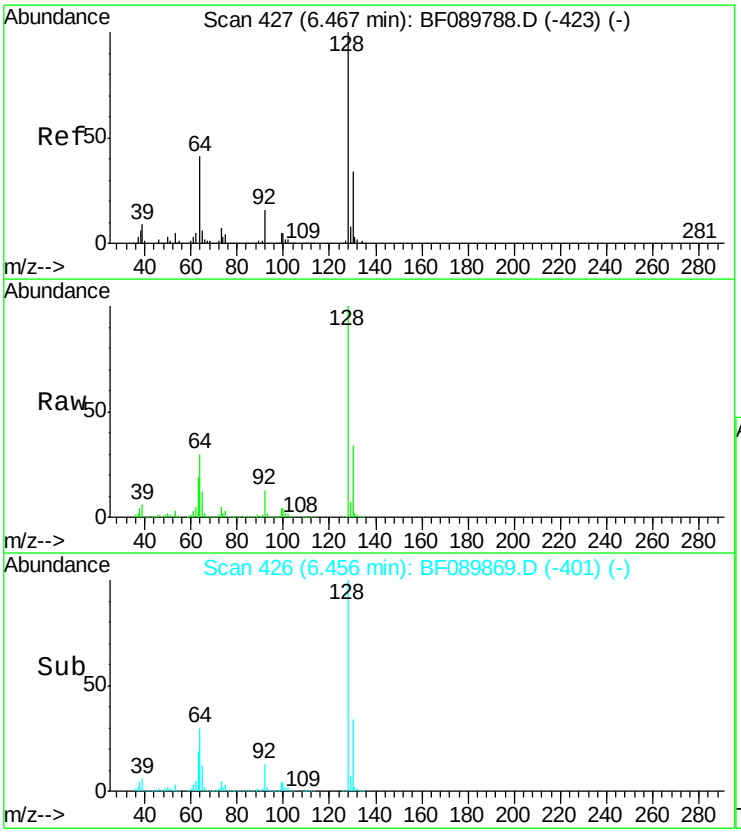
Tgt Ion: 99 Resp: 4420234

Ion	Ratio	Lower	Upper
99	100		
42	14.7	12.2	18.4
71	31.0	23.8	35.8



Instrument :
BNA_F
ClientSampleId :
AST-1MS

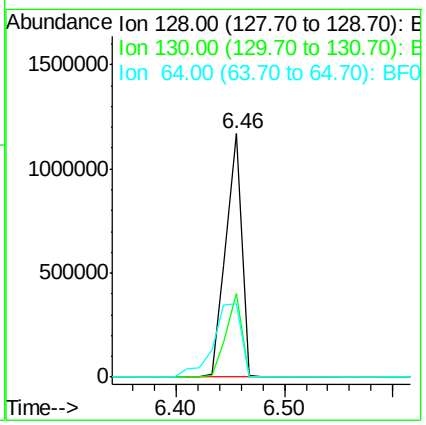
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

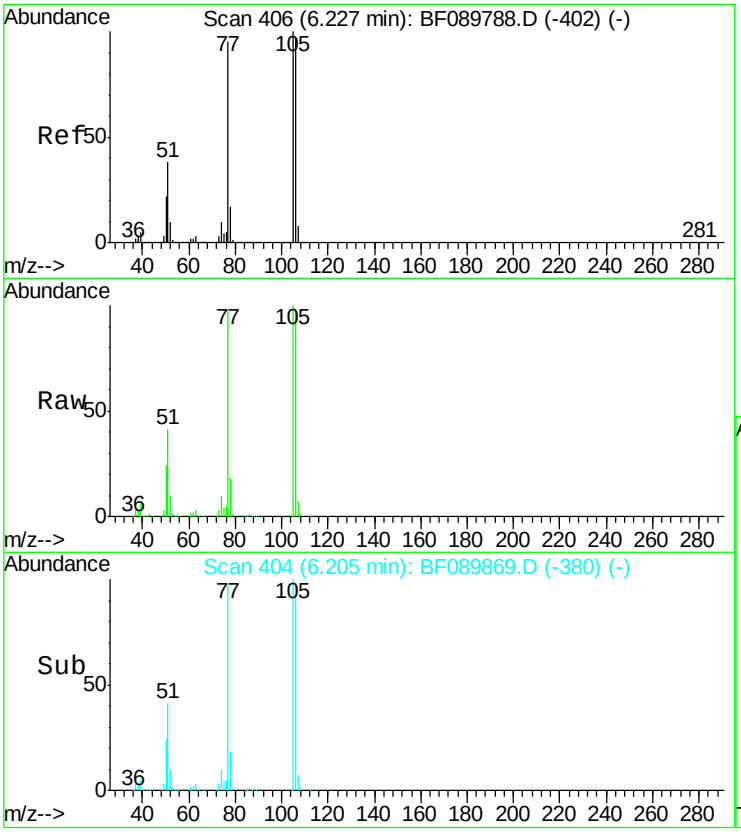


#8
2-Chlorophenol
Concen: 41.37 ng
RT: 6.46 min Scan# 426
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:128 Resp: 1189294

Ion	Ratio	Lower	Upper
128	100		
130	34.2	12.0	52.0
64	30.2	35.1	75.1#

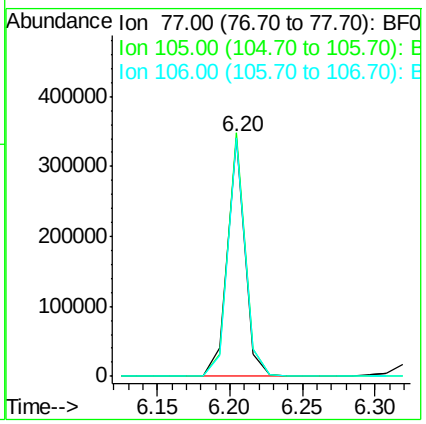




#9
Benzaldehyde
Concen: 14.88 ng
RT: 6.20 min Scan# 404
Delta R.T. -0.02 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

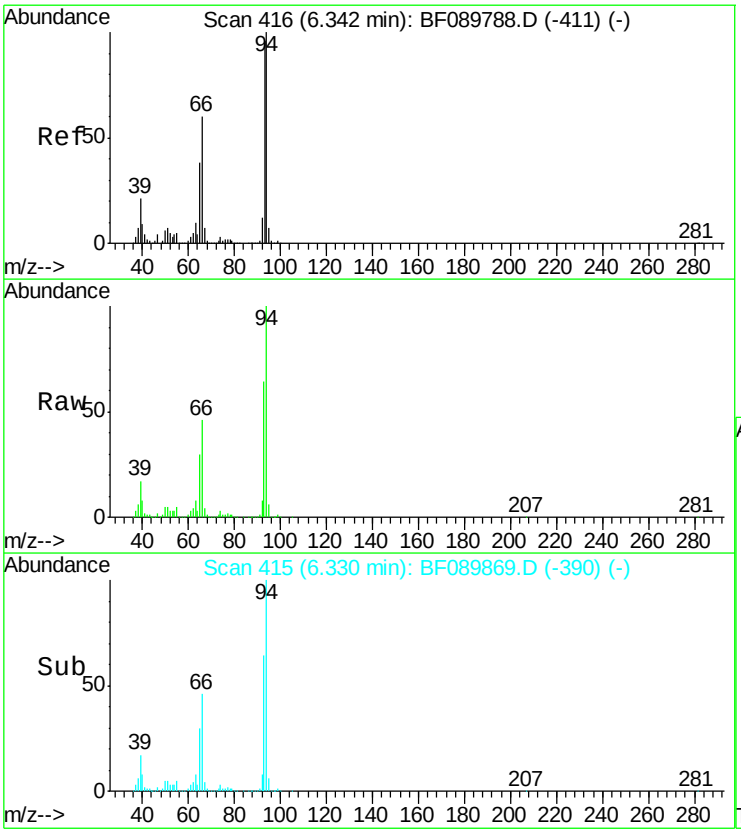
Tgt Ion: 77 Resp: 286030

Ion	Ratio	Lower	Upper
77	100		
105	102.0	73.3	113.3
106	100.0	68.6	108.6



Instrument :
BNA_F
ClientSampleId :
AST-1MS

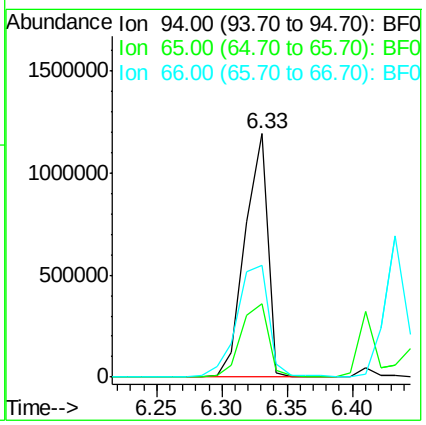
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

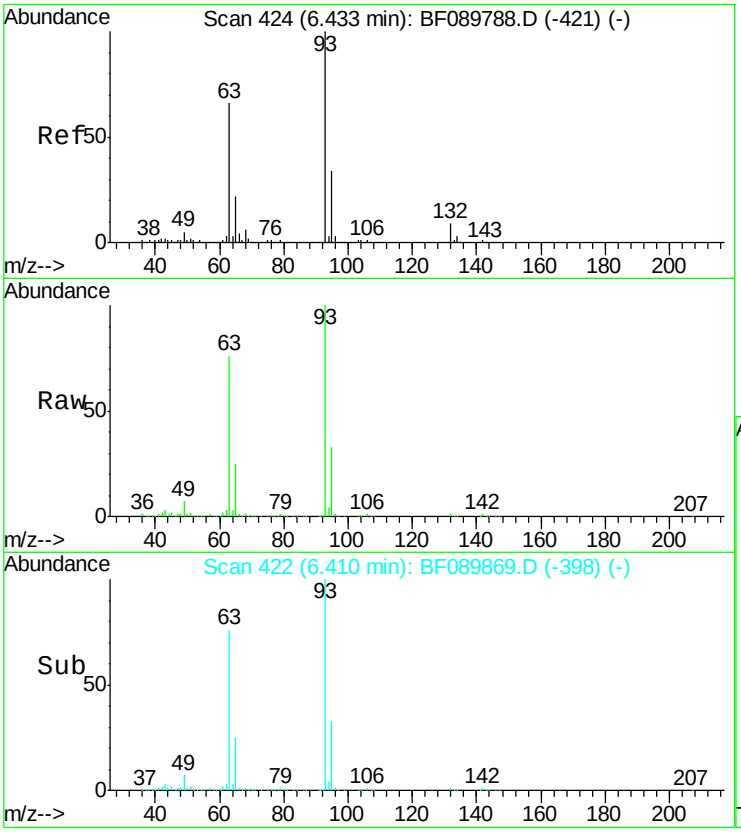


#10
Phenol
Concen: 41.82 ng
RT: 6.33 min Scan# 415
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion: 94 Resp: 1446562

Ion	Ratio	Lower	Upper
94	100		
65	30.3	14.0	54.0
66	45.8	31.2	71.2

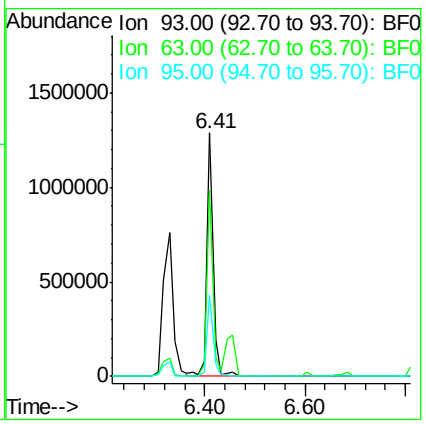




#11
bis(2-Chloroethyl)ether
Concen: 42.35 ng
RT: 6.41 min Scan# 422
Delta R.T. -0.02 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

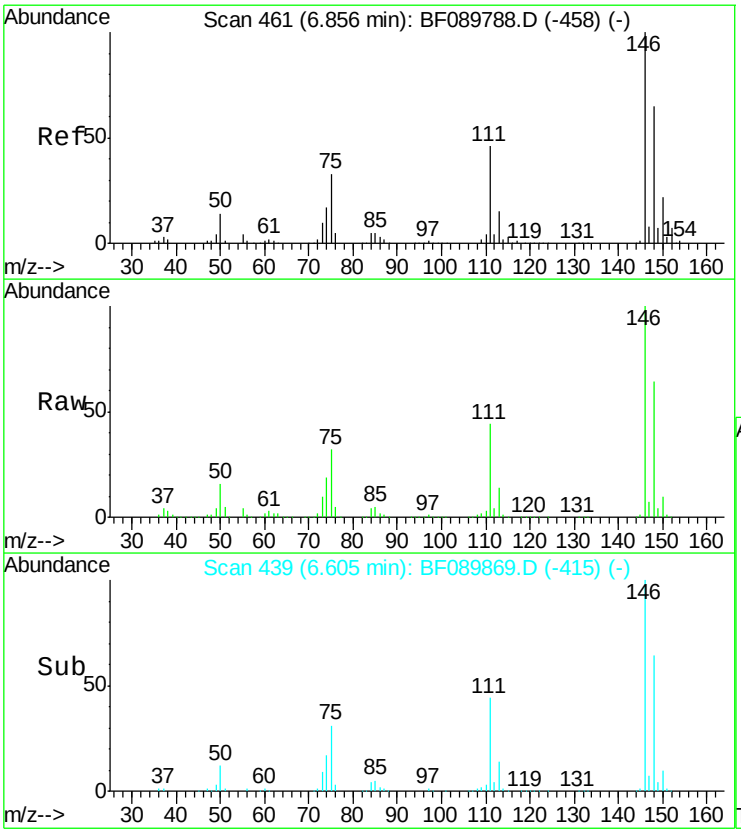
Tgt Ion: 93 Resp: 1136010

Ion	Ratio	Lower	Upper
93	100		
63	76.4	55.8	95.8
95	33.2	13.0	53.0



Instrument :
BNA_F
ClientSampleId :
AST-1MS

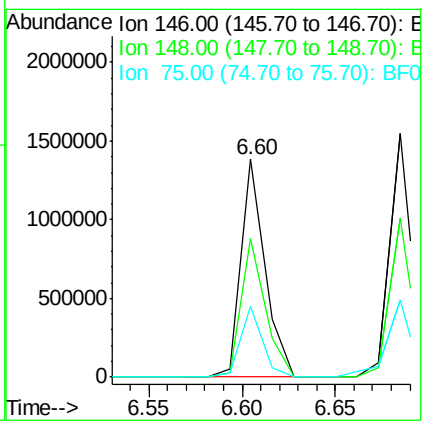
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

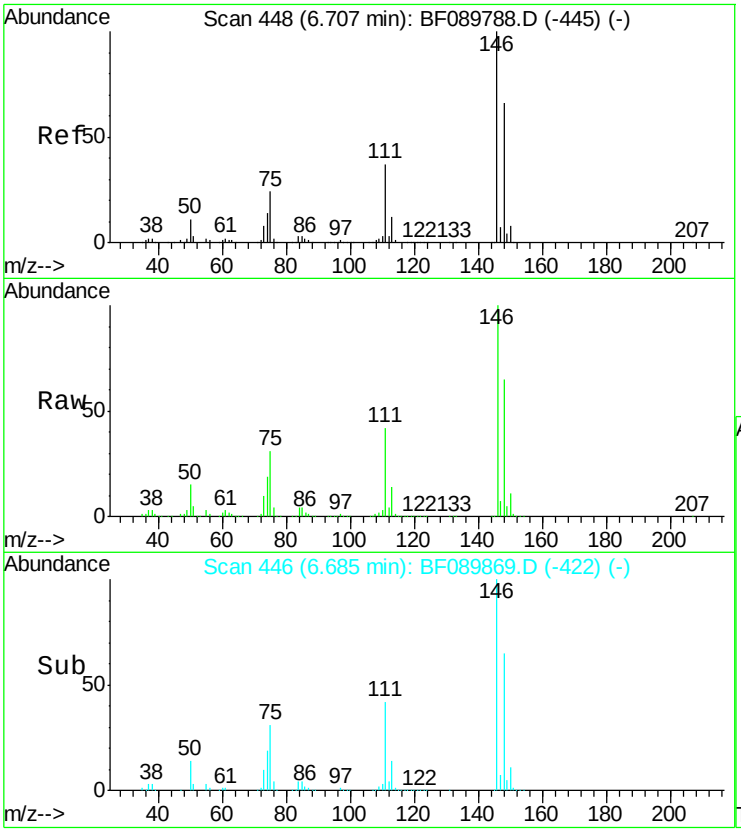


#12
1,3-Dichlorobenzene
Concen: 41.22 ng
RT: 6.60 min Scan# 439
Delta R.T. -0.02 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:146 Resp: 1238883

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.0	76.4
75	32.3	27.0	40.6

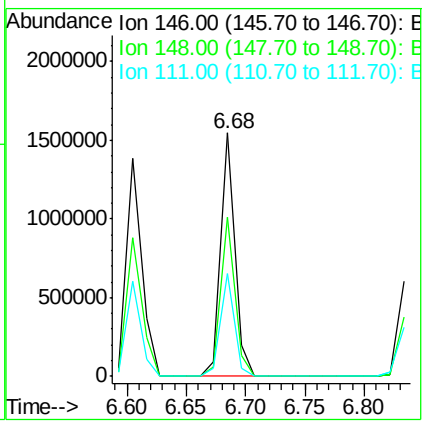




#13
1,4-Dichlorobenzene
Concen: 40.79 ng
RT: 6.68 min Scan# 446
Delta R.T. -0.02 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

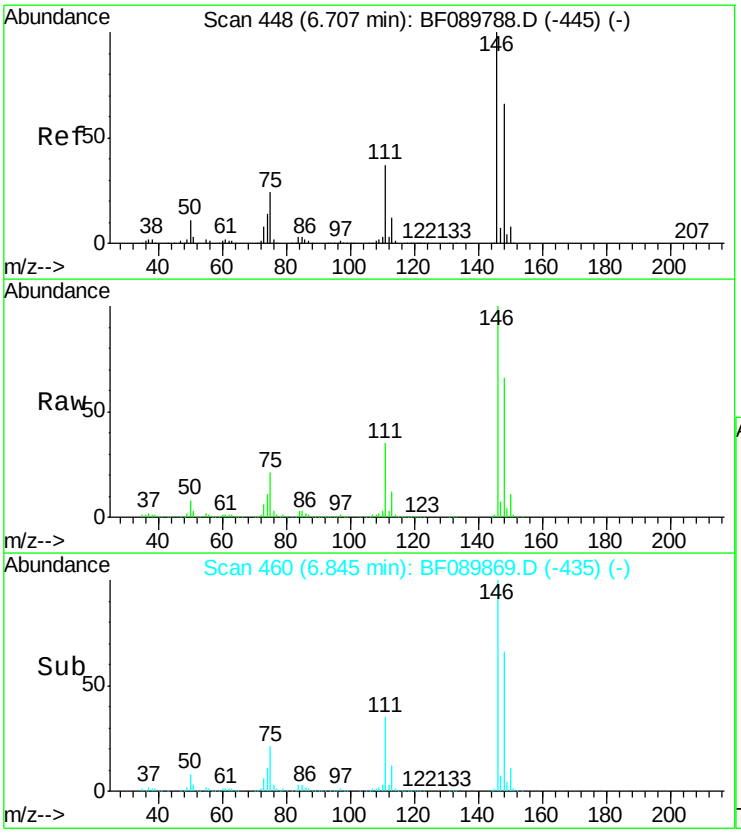
Tgt Ion:146 Resp: 1260429

Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.0	76.6
111	42.1	34.6	52.0



Instrument :
BNA_F
ClientSampleId :
AST-1MS

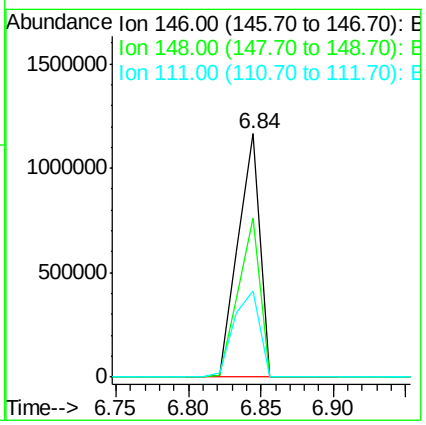
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

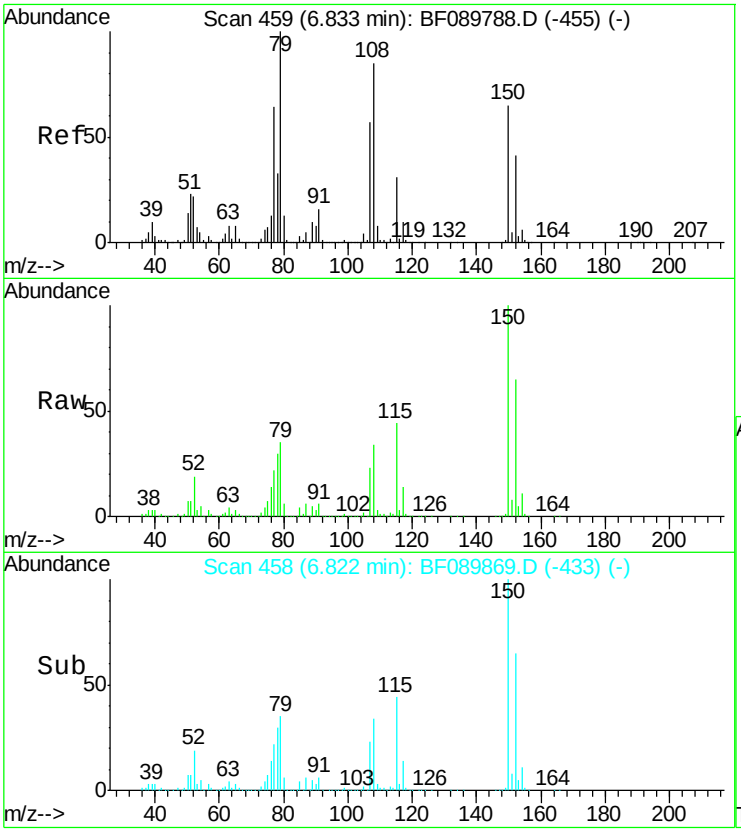


#14
1,2-Dichlorobenzene
Concen: 42.36 ng
RT: 6.84 min Scan# 460
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:146 Resp: 1221778

Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.2	78.2
111	35.4	29.8	44.6





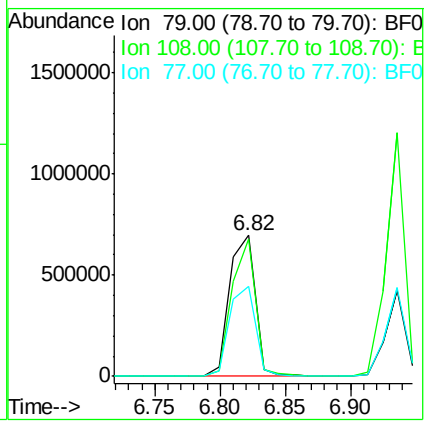
#15
Benzyl Alcohol
Concen: 48.74 ng
RT: 6.82 min Scan# 458
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

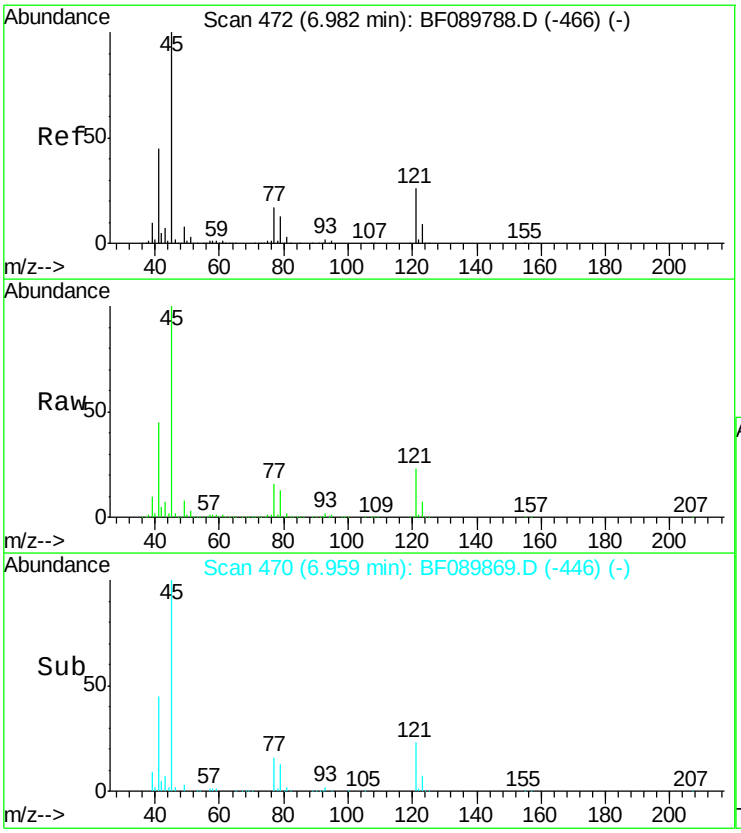
Tgt Ion: 79 Resp: 953884

Ion	Ratio	Lower	Upper
79	100		
108	97.5	62.5	93.7#
77	63.7	51.5	77.3

Instrument :
BNA_F
ClientSampleId :
AST-1MS

Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

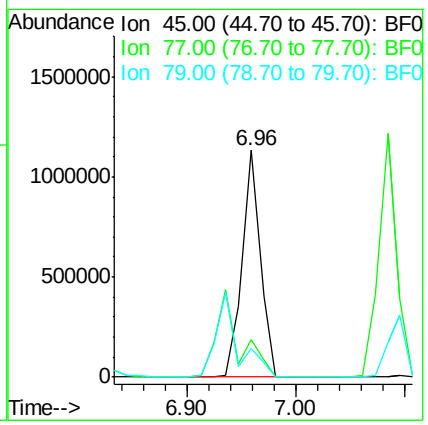


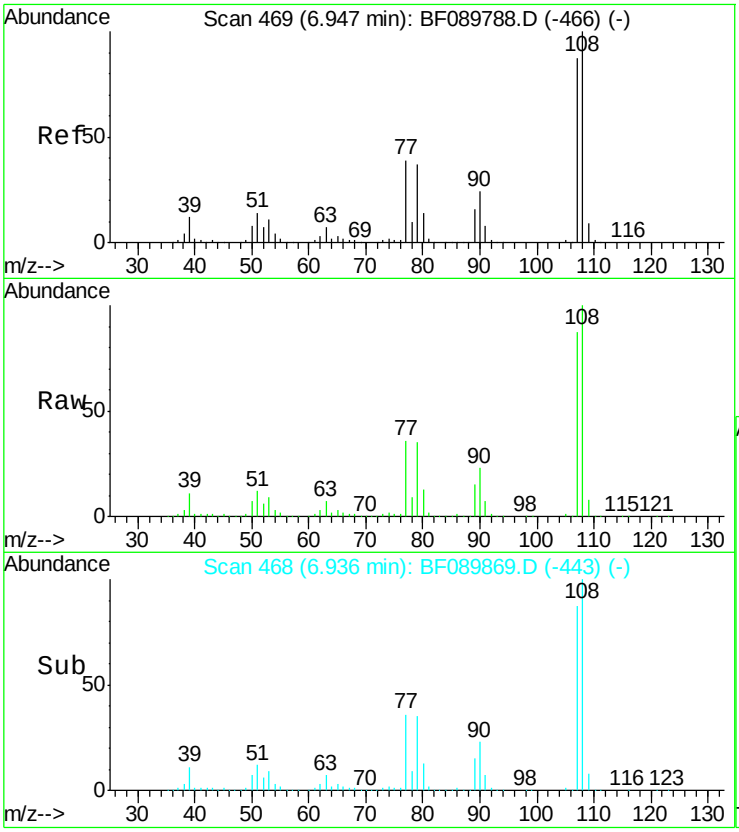


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.91 ng
RT: 6.96 min Scan# 470
Delta R.T. -0.02 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion: 45 Resp: 1301285

Ion	Ratio	Lower	Upper
45	100		
77	16.4	0.0	33.5
79	12.7	0.0	30.7

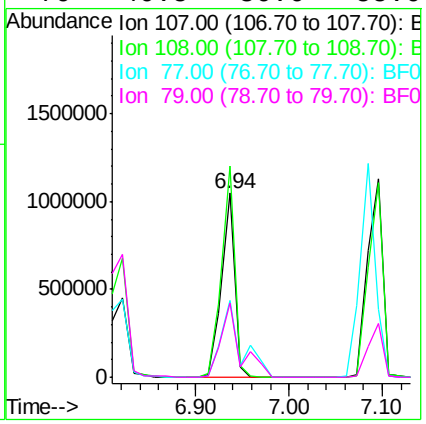




#17
2-Methylphenol
Concen: 45.38 ng
RT: 6.94 min Scan# 468
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

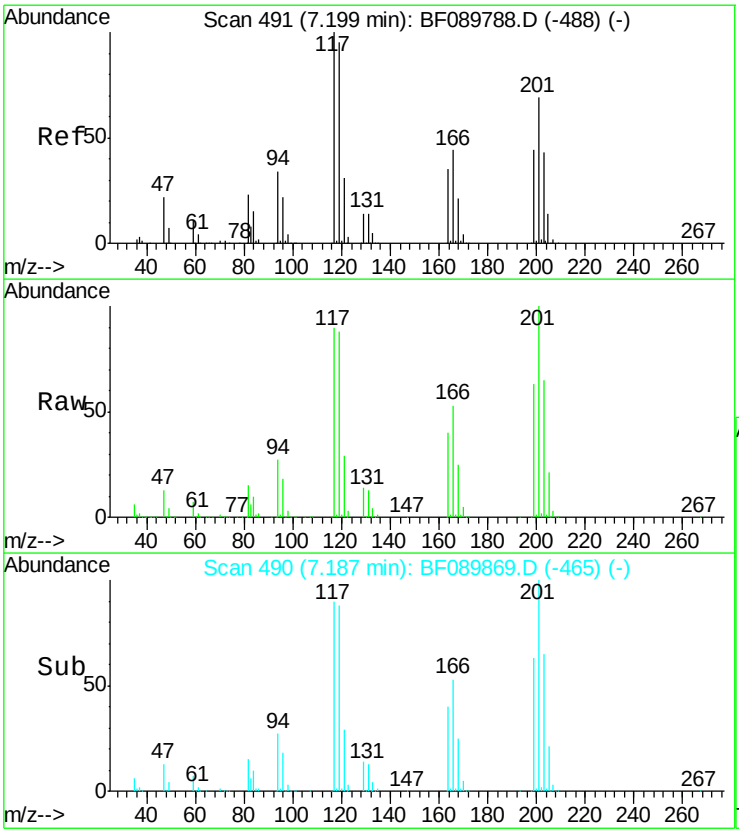
Tgt Ion:107 Resp: 1022030

Ion	Ratio	Lower	Upper
107	100		
108	114.8	91.0	136.4
77	41.8	37.4	56.0
79	40.5	36.6	55.0



Instrument :
BNA_F
ClientSampleId :
AST-1MS

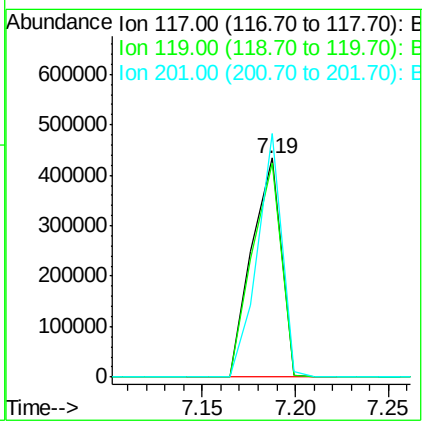
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

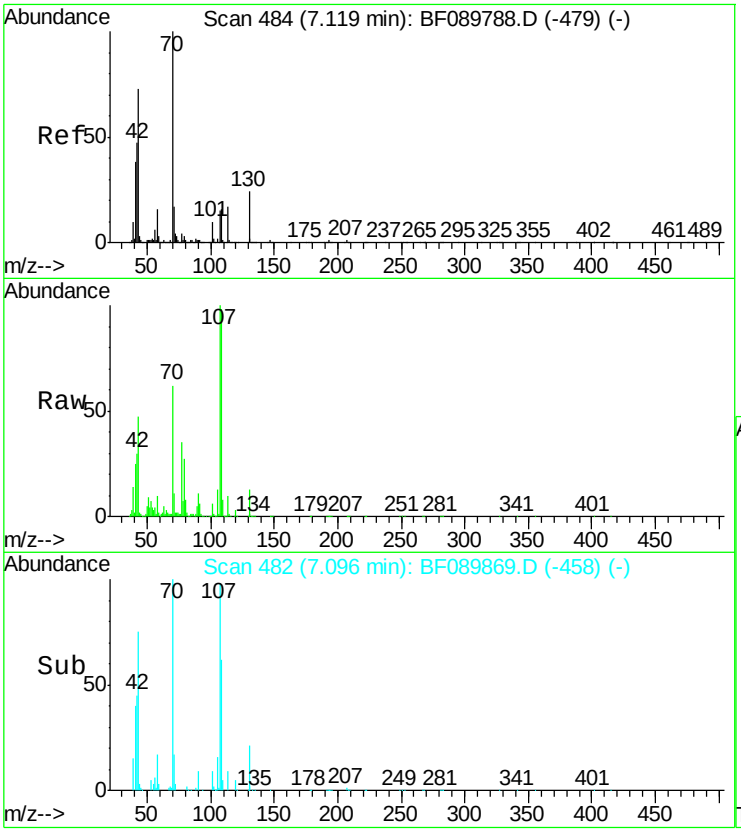


#18
Hexachloroethane
Concen: 42.90 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:117 Resp: 472705

Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.1	115.7
201	111.3	76.9	115.3

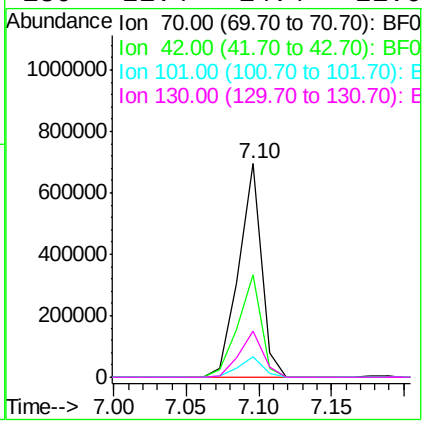




#19
n-Nitroso-di-n-propylamine
Concen: 40.51 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.02 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

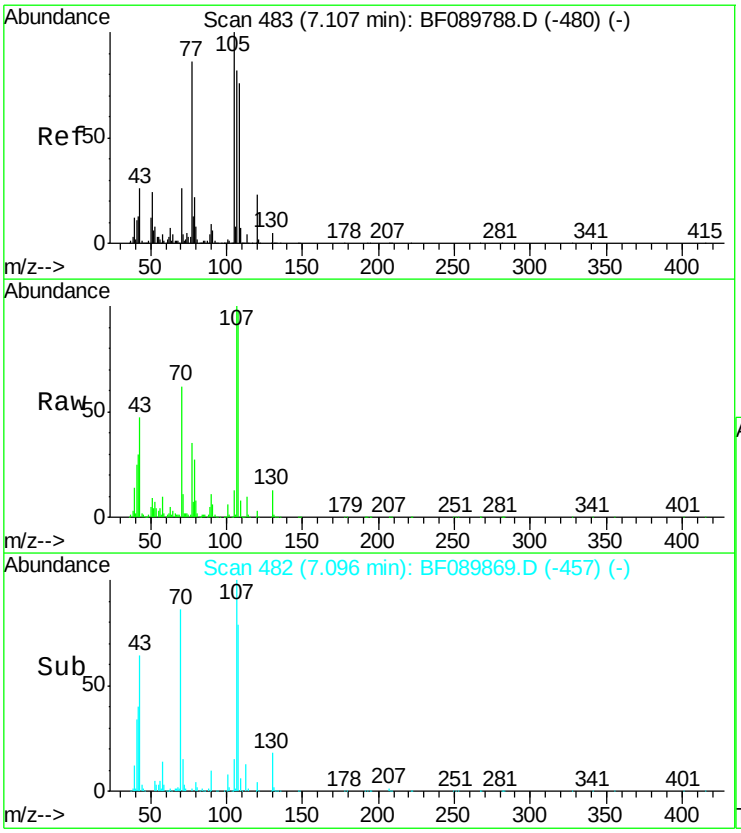
Tgt Ion: 70 Resp: 764577

Ion	Ratio	Lower	Upper
70	100		
42	48.0	46.3	69.5
101	9.5	7.0	10.6
130	21.4	14.4	21.6



Instrument :
BNA_F
ClientSampleId :
AST-1MS

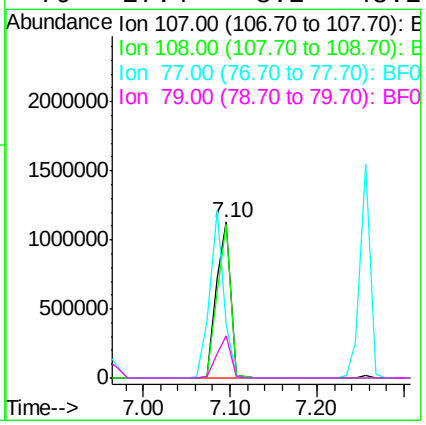
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

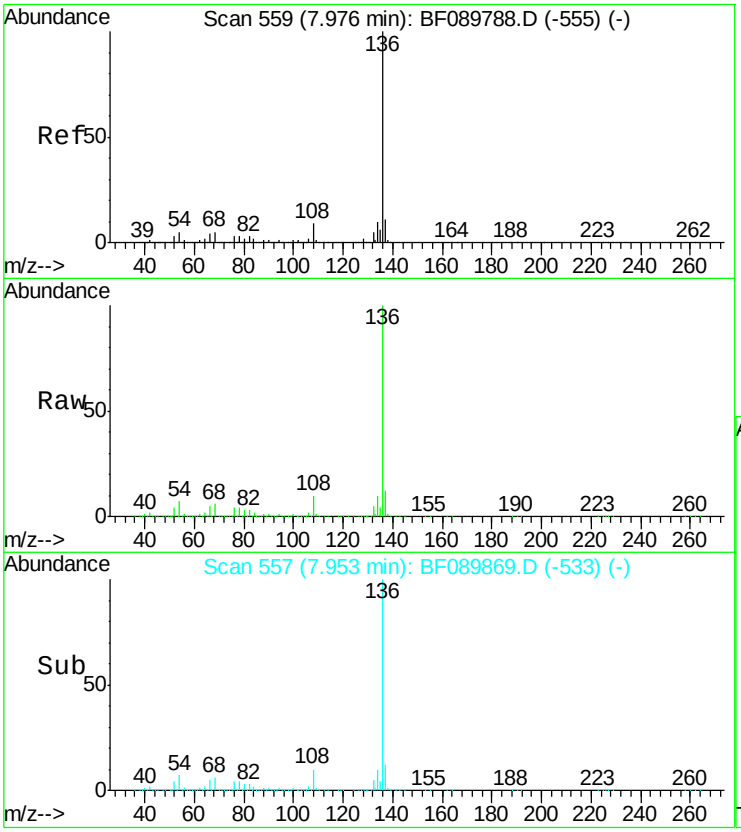


#20
3+4-Methylphenols
Concen: 46.96 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:107 Resp: 1296560

Ion	Ratio	Lower	Upper
107	100		
108	98.2	68.2	108.2
77	34.5	122.3	162.3#
79	27.4	8.2	48.2

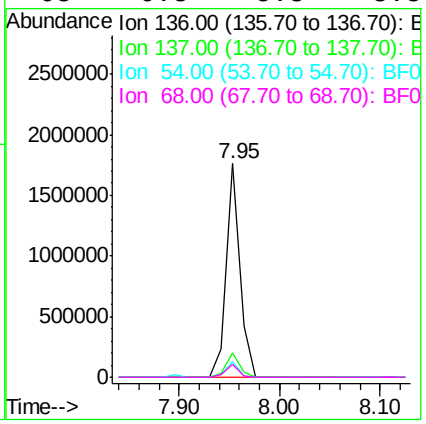




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 557
Delta R.T. -0.02 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

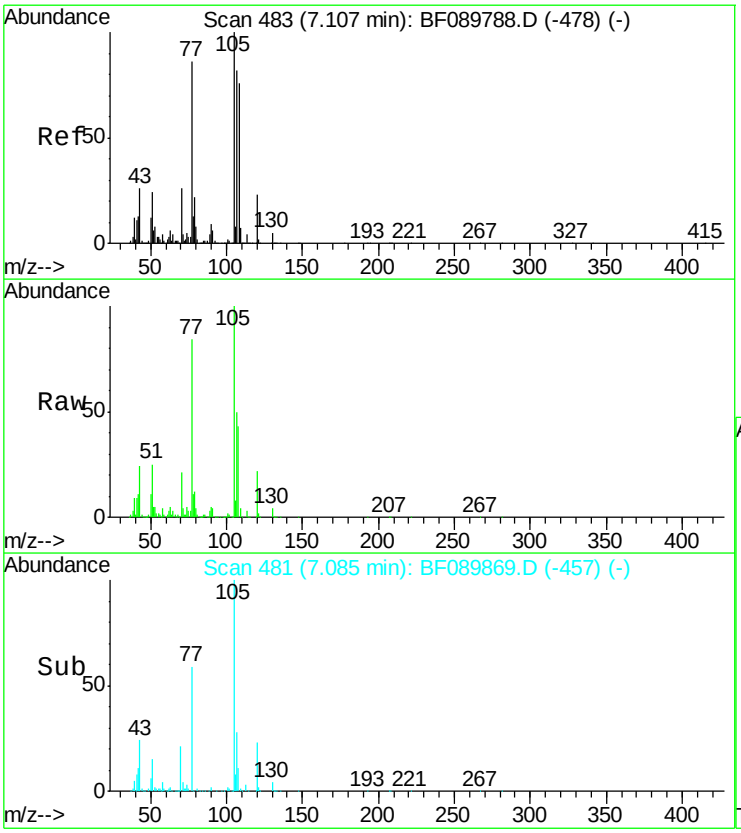
Tgt Ion:136 Resp: 1665966

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	7.1	7.2	10.8#
68	6.3	5.8	8.8



Instrument :
BNA_F
ClientSampleId :
AST-1MS

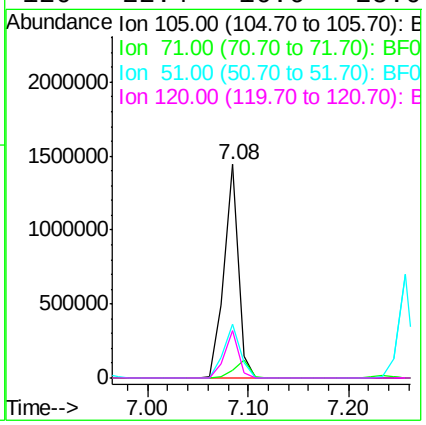
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

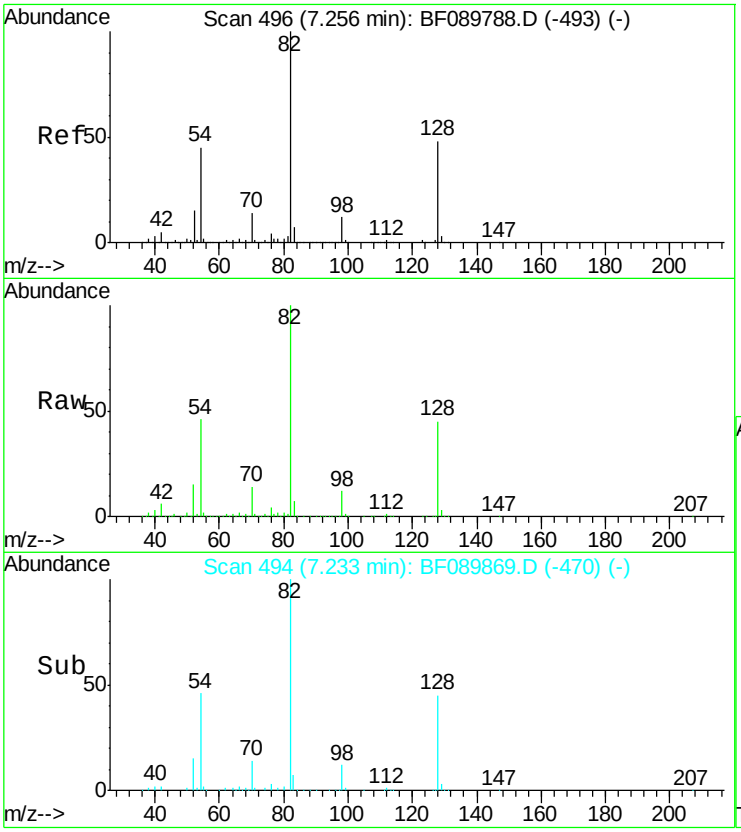


#22
Acetophenone
Concen: 37.63 ng
RT: 7.08 min Scan# 481
Delta R.T. -0.02 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:105 Resp: 1439466

Ion	Ratio	Lower	Upper
105	100		
71	3.6	1.9	2.9#
51	25.3	28.5	42.7#
120	22.4	16.6	25.0

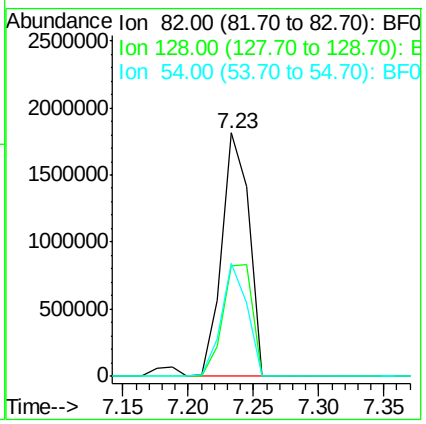




#23
Nitrobenzene-d5
Concen: 97.59 ng
RT: 7.23 min Scan# 494
Delta R.T. -0.02 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

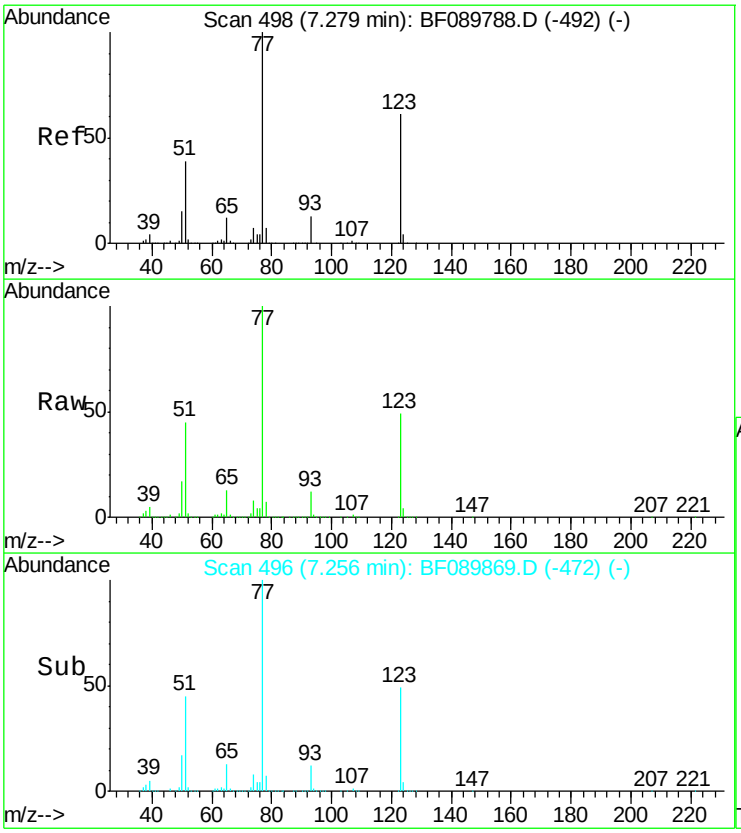
Tgt Ion: 82 Resp: 2616936

Ion	Ratio	Lower	Upper
82	100		
128	45.3	34.4	51.6
54	46.3	40.3	60.5



Instrument :
BNA_F
ClientSampleId :
AST-1MS

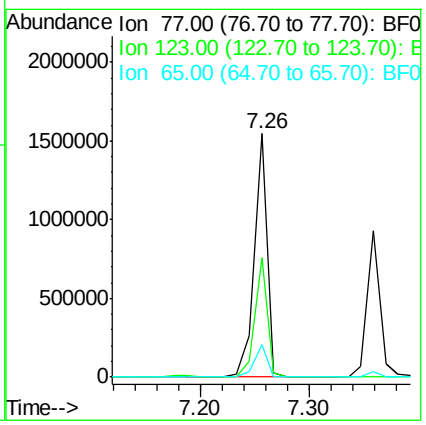
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

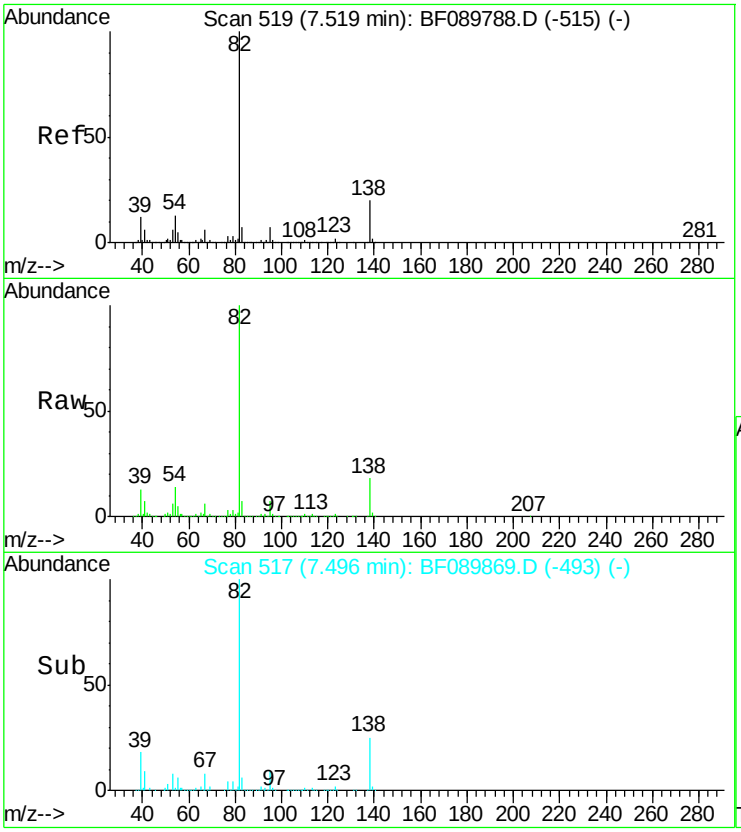


#24
Nitrobenzene
Concen: 42.31 ng
RT: 7.26 min Scan# 496
Delta R.T. -0.02 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion: 77 Resp: 1272943

Ion	Ratio	Lower	Upper
77	100		
123	49.0	36.2	54.2
65	13.5	10.6	15.8

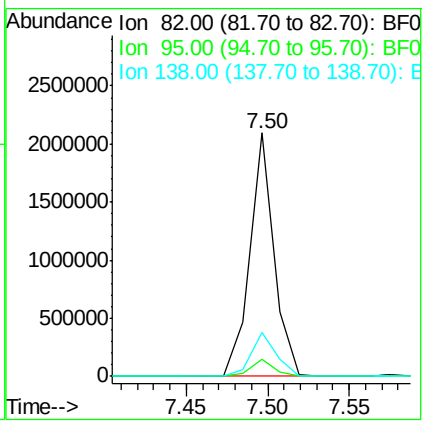




#25
Isophorone
Concen: 39.84 ng
RT: 7.50 min Scan# 517
Delta R.T. -0.02 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

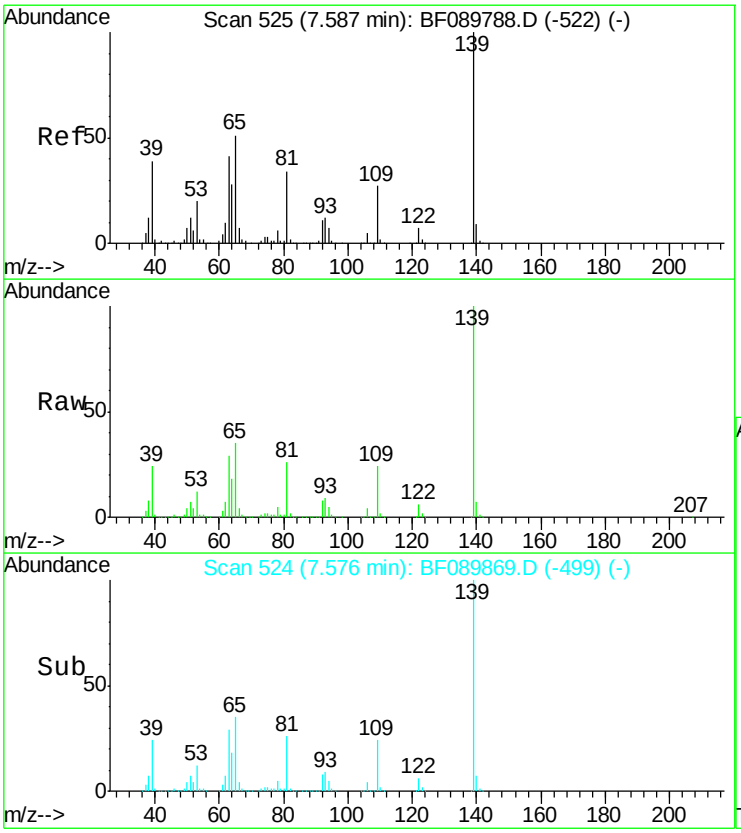
Tgt Ion: 82 Resp: 2154654

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.3	7.9
138	17.9	13.0	19.4



Instrument :
BNA_F
ClientSampleId :
AST-1MS

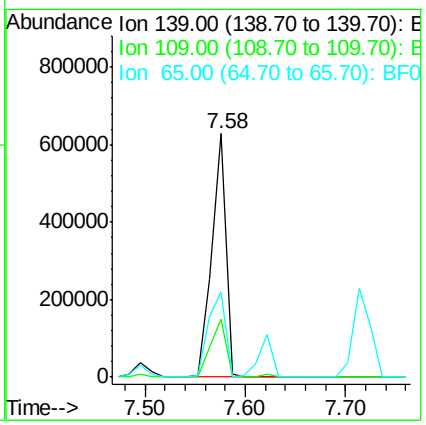
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

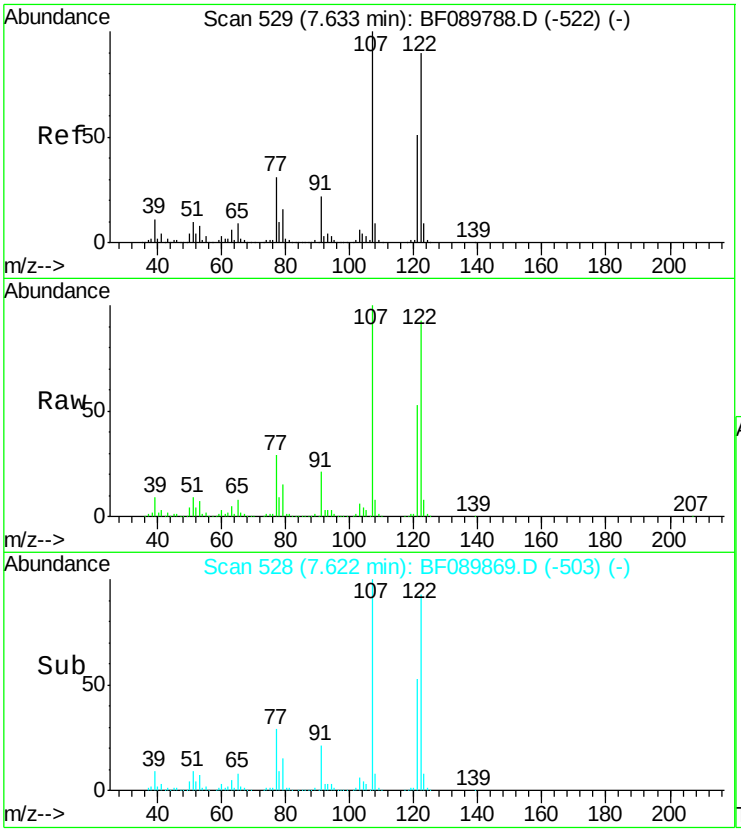


#26
2-Nitrophenol
Concen: 40.99 ng
RT: 7.58 min Scan# 524
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:139 Resp: 615329

Ion	Ratio	Lower	Upper
139	100		
109	24.0	19.5	29.3
65	34.9	26.5	39.7

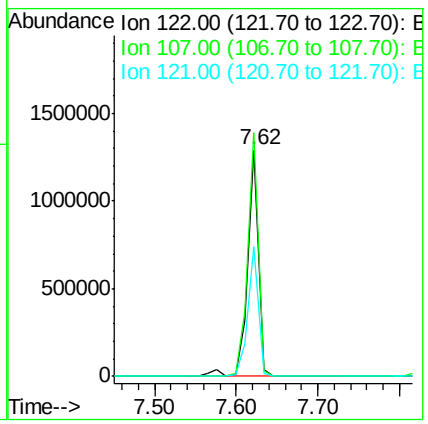




#27
2,4-Dimethylphenol
Concen: 43.82 ng
RT: 7.62 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

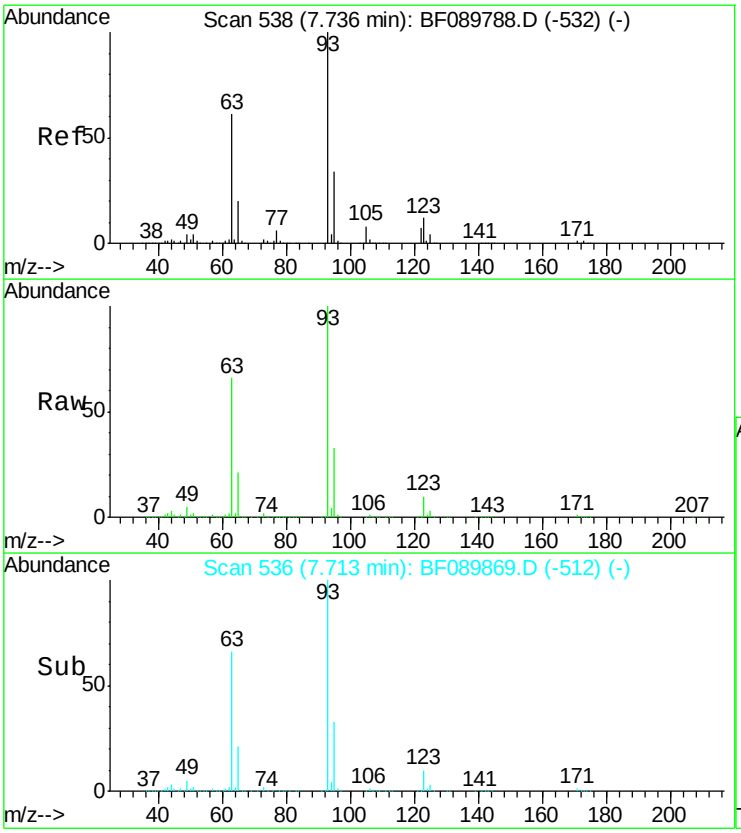
Tgt Ion:122 Resp: 1185519

Ion	Ratio	Lower	Upper
122	100		
107	107.7	84.8	127.2
121	57.3	47.0	70.6



Instrument :
BNA_F
ClientSampleId :
AST-1MS

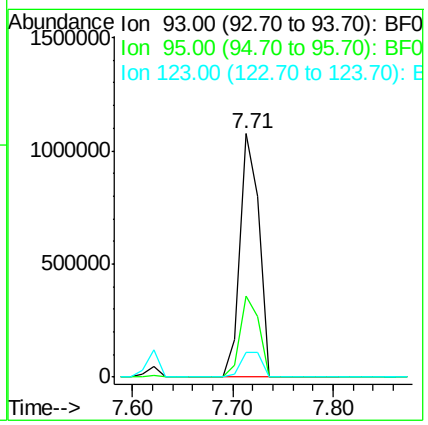
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

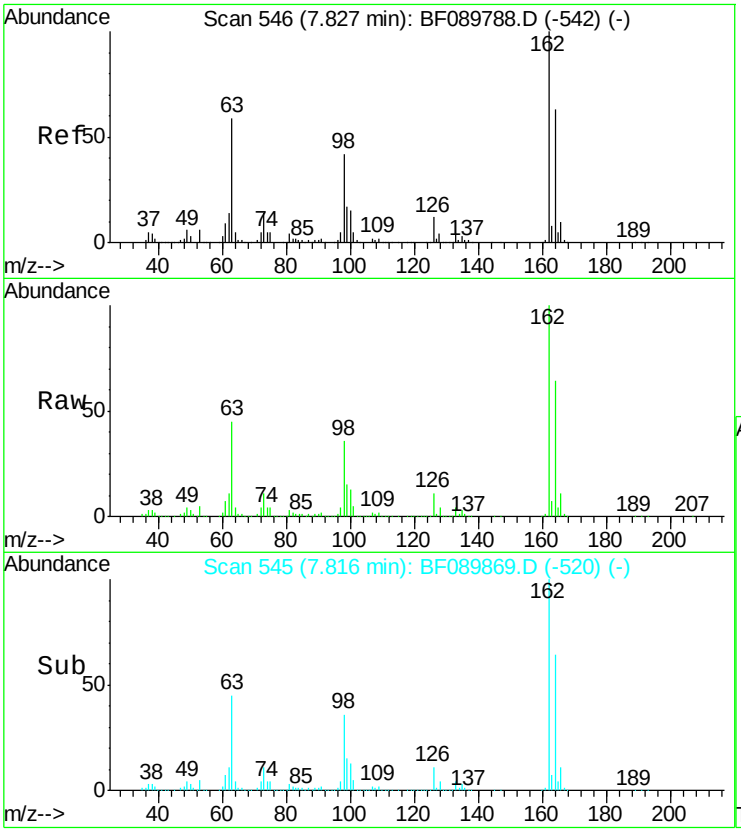


#28
bis(2-Chloroethoxy)methane
Concen: 42.04 ng
RT: 7.71 min Scan# 536
Delta R.T. -0.02 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion: 93 Resp: 1406775

Ion	Ratio	Lower	Upper
93	100		
95	33.1	25.5	38.3
123	10.3	8.5	12.7

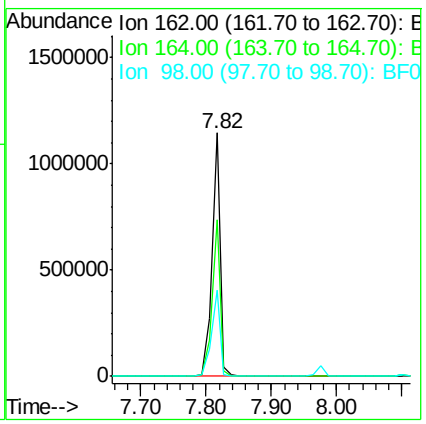




#29
2,4-Dichlorophenol
Concen: 45.04 ng
RT: 7.82 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

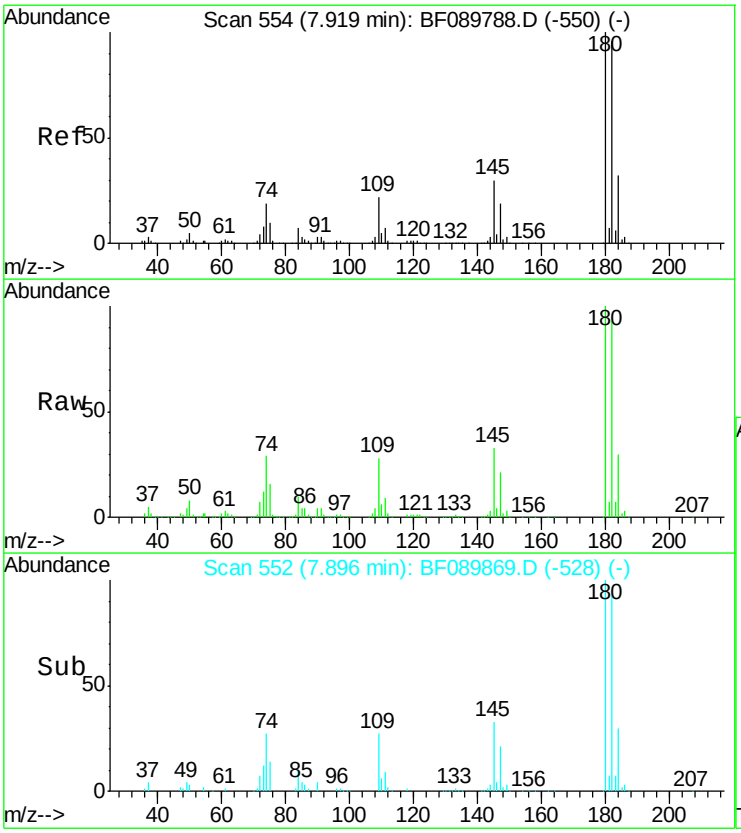
Tgt Ion:162 Resp: 1022520

Ion	Ratio	Lower	Upper
162	100		
164	64.5	45.5	85.5
98	35.5	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
AST-1MS

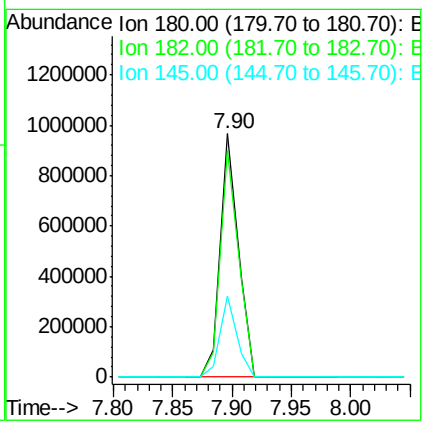
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

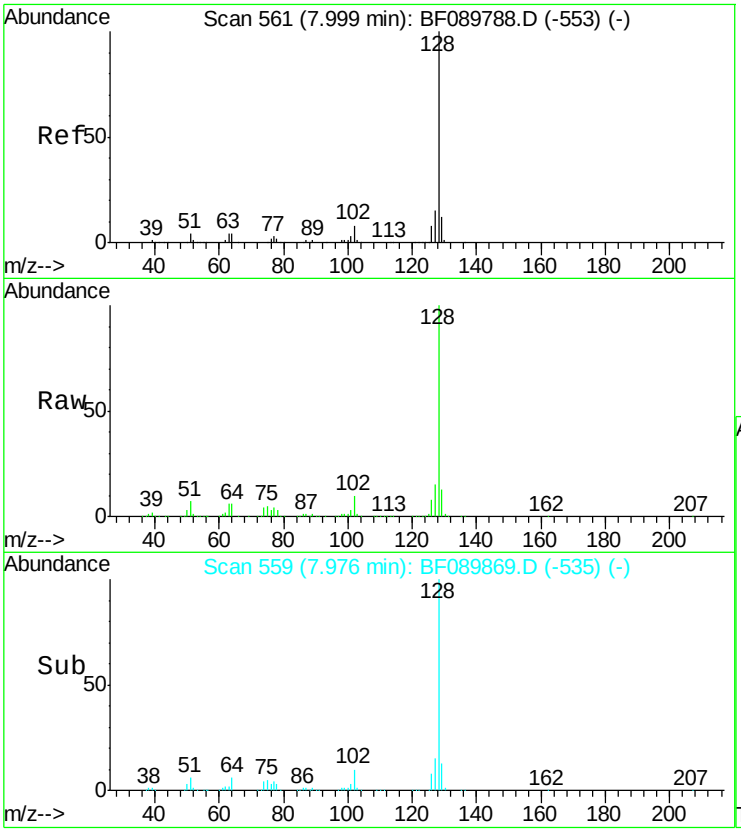


#30
1,2,4-Trichlorobenzene
Concen: 40.14 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:180 Resp: 1007899

Ion	Ratio	Lower	Upper
180	100		
182	93.4	75.5	113.3
145	33.4	28.7	43.1

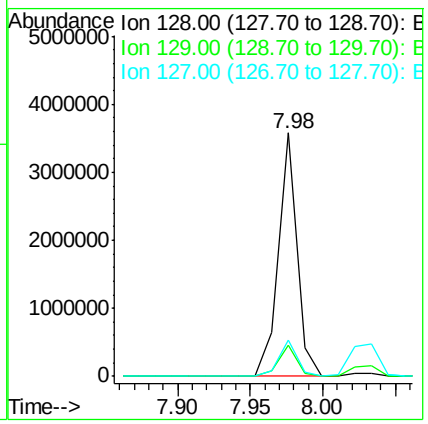




#31
Naphthalene
Concen: 41.06 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.02 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

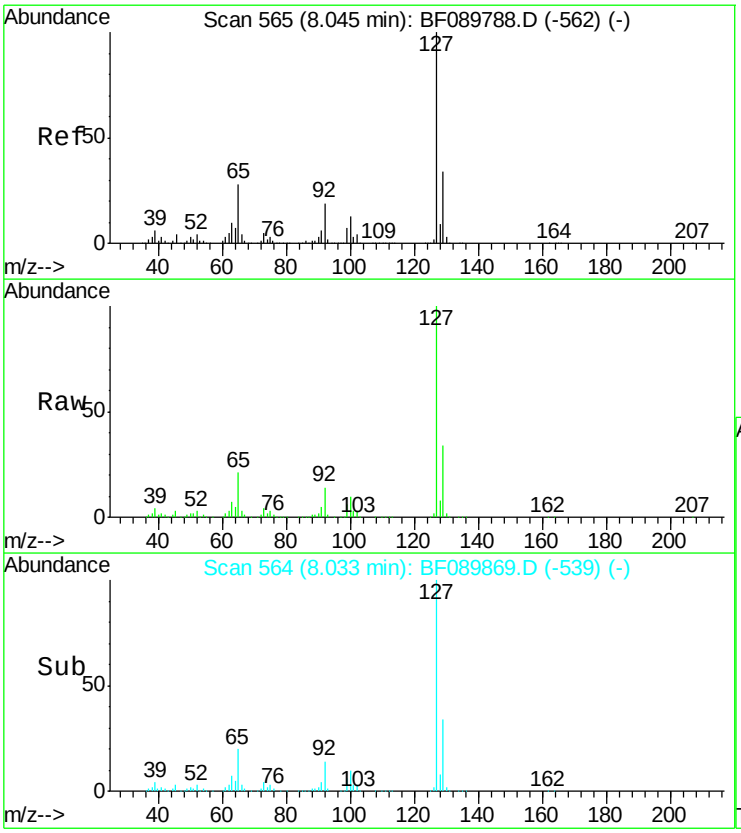
Tgt Ion:128 Resp: 3196982

Ion	Ratio	Lower	Upper
128	100		
129	12.7	9.5	14.3
127	14.9	11.3	16.9



Instrument :
BNA_F
ClientSampleId :
AST-1MS

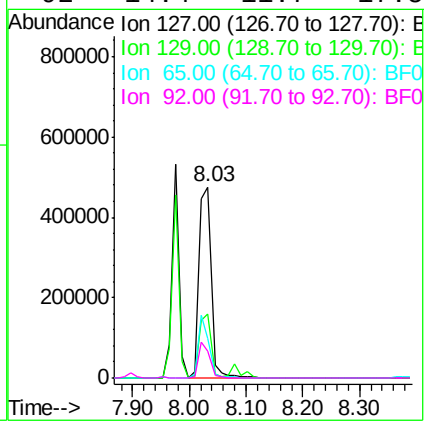
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

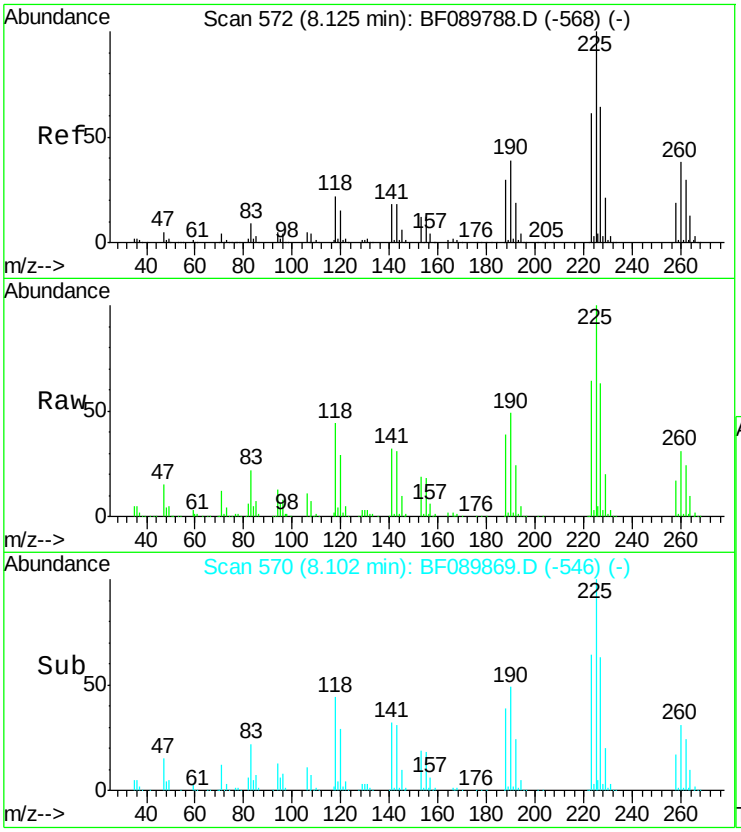


#33
4-Chloroaniline
Concen: 20.58 ng
RT: 8.03 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:127 Resp: 694639

Ion	Ratio	Lower	Upper
127	100		
129	33.6	27.0	40.6
65	20.6	14.7	22.1
92	14.4	11.7	17.5

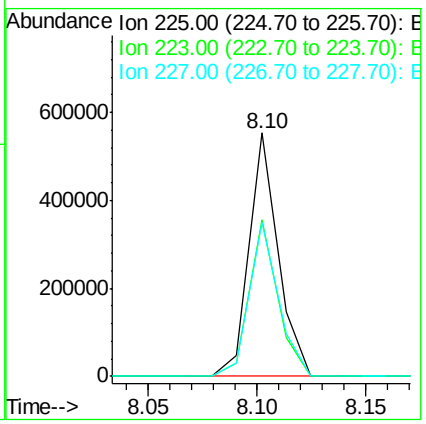




#34
Hexachlorobutadiene
Concen: 38.87 ng
RT: 8.10 min Scan# 570
Delta R.T. -0.02 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

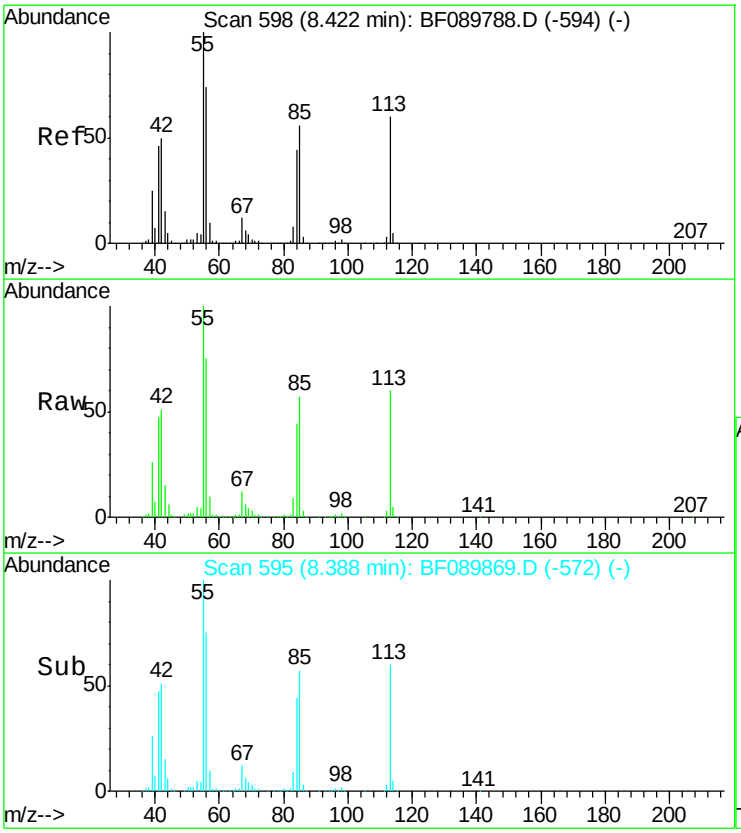
Tgt Ion:225 Resp: 511050

Ion	Ratio	Lower	Upper
225	100		
223	64.3	51.0	76.6
227	63.1	49.8	74.6



Instrument :
BNA_F
ClientSampleId :
AST-1MS

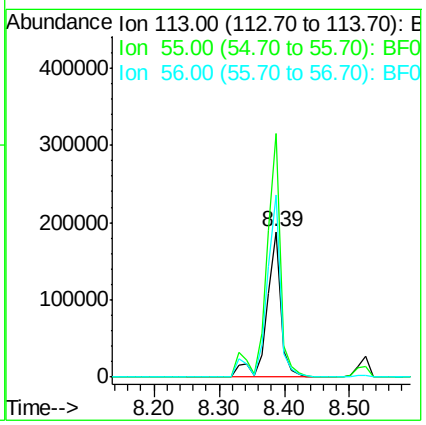
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

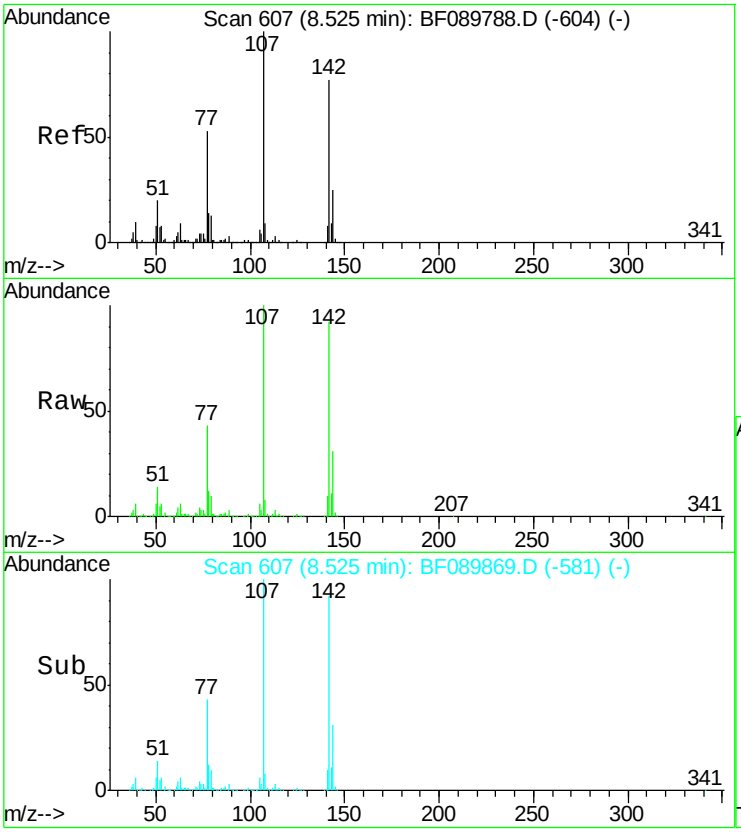


#35
Caprolactam
Concen: 40.74 ng
RT: 8.39 min Scan# 595
Delta R.T. -0.03 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:113 Resp: 281659

Ion	Ratio	Lower	Upper
113	100		
55	167.1	135.9	175.9
56	124.7	93.9	133.9

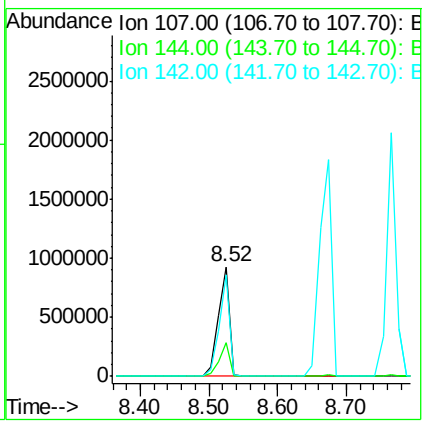




#36
4-Chloro-3-methylphenol
Concen: 43.59 ng
RT: 8.52 min Scan# 607
Delta R.T. 0.00 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

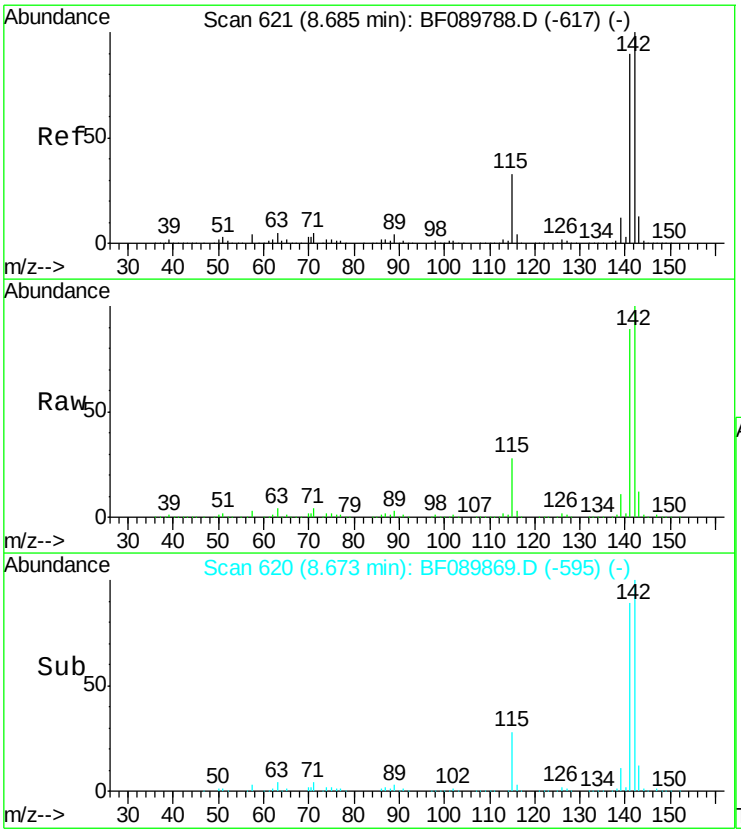
Tgt Ion:107 Resp: 1071685

Ion	Ratio	Lower	Upper
107	100		
144	30.9	22.6	34.0
142	92.5	69.3	103.9



Instrument :
BNA_F
ClientSampleId :
AST-1MS

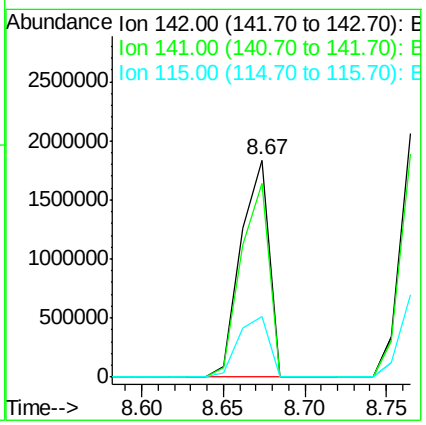
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

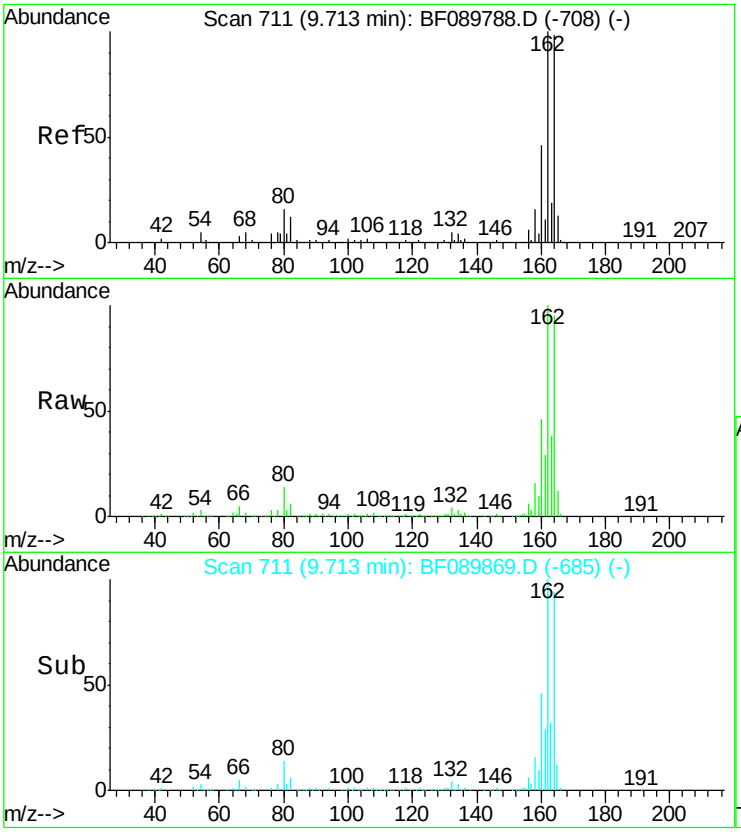


#37
2-Methylnaphthalene
Concen: 43.59 ng
RT: 8.67 min Scan# 620
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:142 Resp: 2195651

Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.4	107.2
115	27.9	22.7	34.1

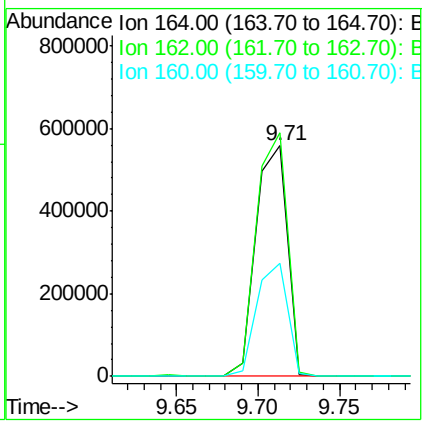




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.71 min Scan# 711
Delta R.T. 0.00 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

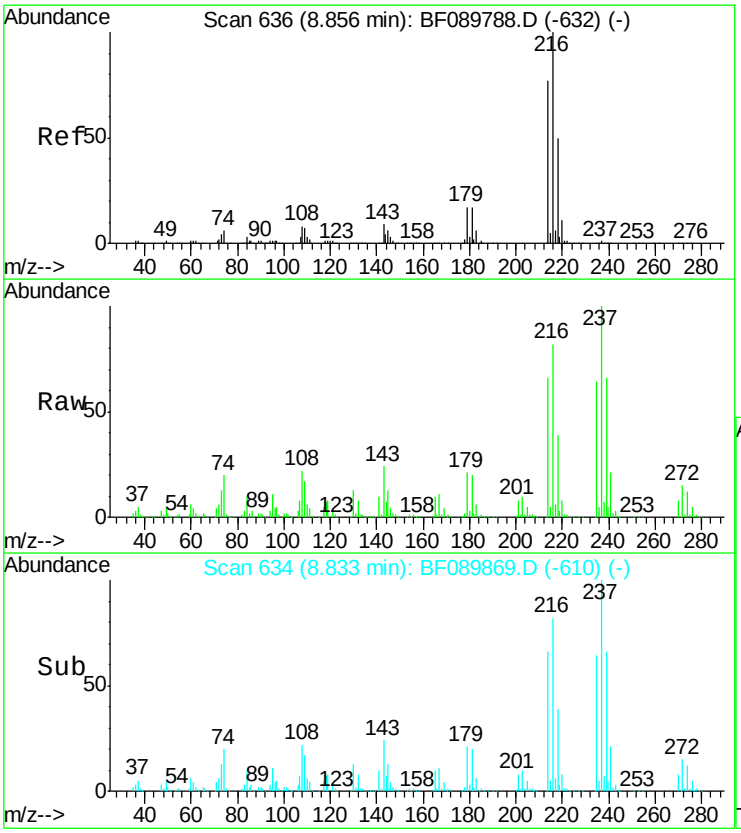
Tgt Ion:164 Resp: 749050

Ion	Ratio	Lower	Upper
164	100		
162	105.7	81.4	122.2
160	49.1	37.8	56.6



Instrument :
BNA_F
ClientSampleId :
AST-1MS

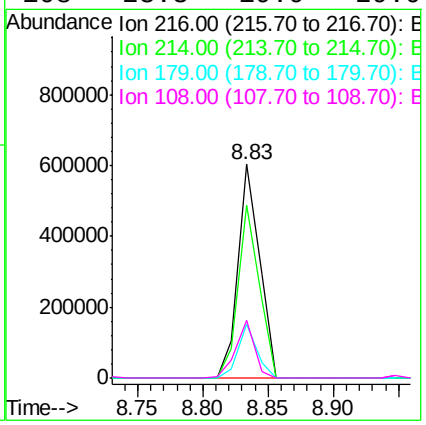
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

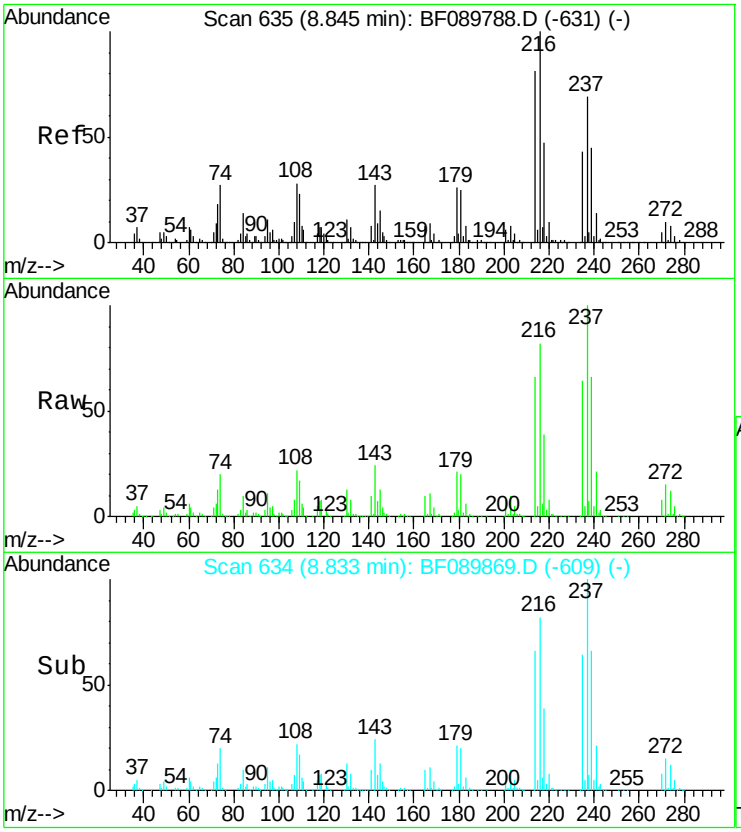


#39
1,2,4,5-Tetrachlorobenzene
Concen: 28.43 ng
RT: 8.83 min Scan# 634
Delta R.T. -0.02 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:216 Resp: 689479

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.5	95.3
179	22.1	19.9	29.9
108	23.3	19.9	29.9

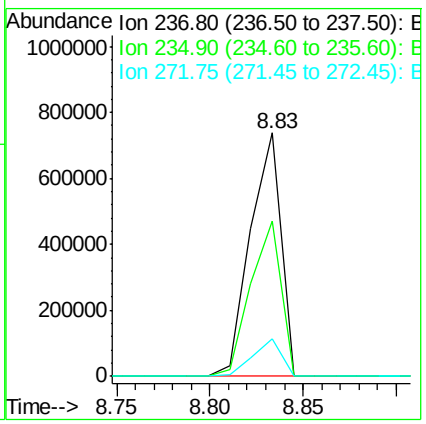




#40
Hexachlorocyclopentadiene
Concen: 99.35 ng
RT: 8.83 min Scan# 634
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

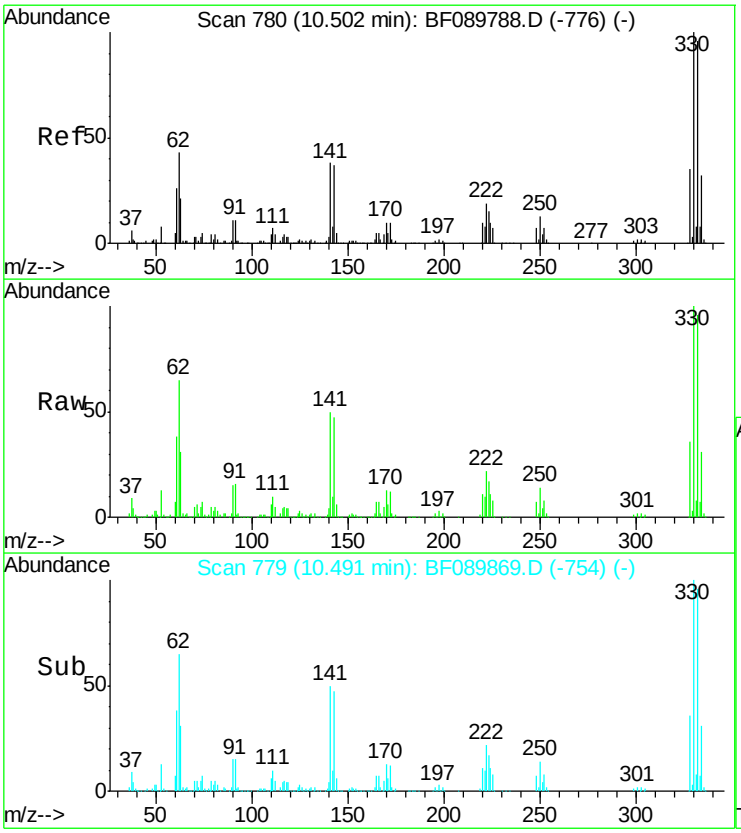
Tgt Ion:237 Resp: 836622

Ion	Ratio	Lower	Upper
237	100		
235	63.9	43.7	83.7
272	15.3	0.0	31.6



Instrument :
BNA_F
ClientSampleId :
AST-1MS

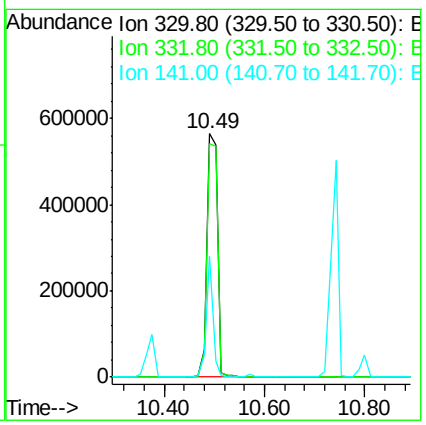
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

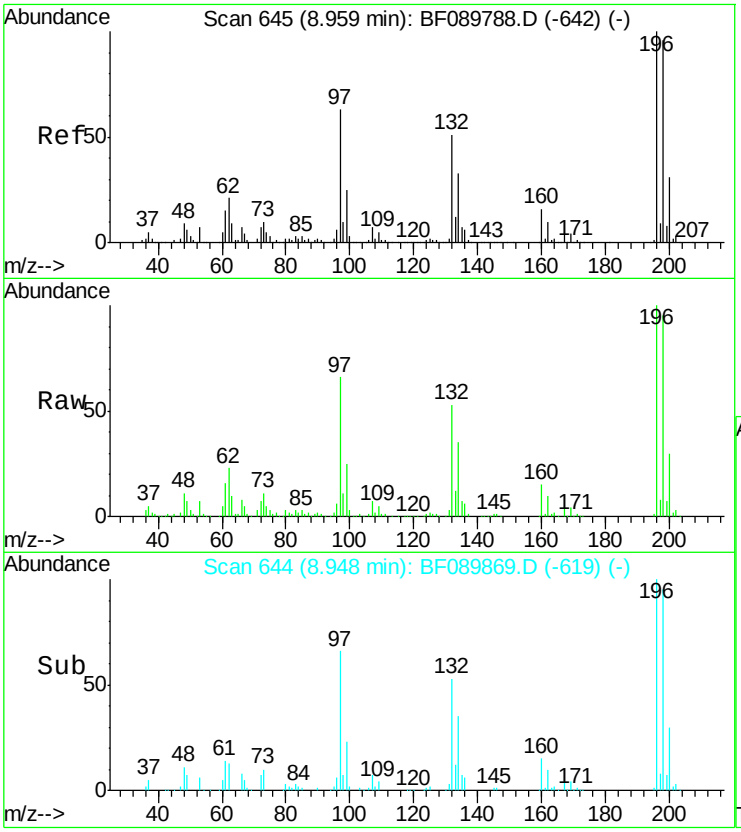


#41
2,4,6-Tribromophenol
Concen: 115.44 ng
RT: 10.49 min Scan# 779
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:330 Resp: 821803

Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.7	115.1
141	31.8	30.2	45.2

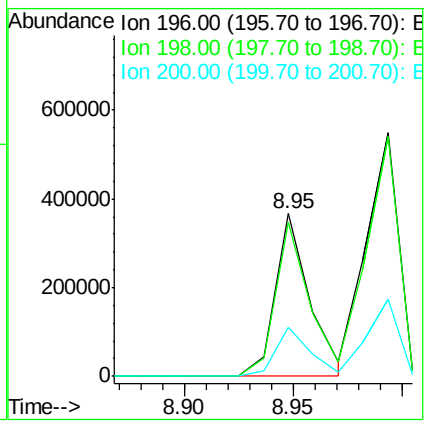




#42
2,4,6-Trichlorophenol
Concen: 26.60 ng
RT: 8.95 min Scan# 644
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

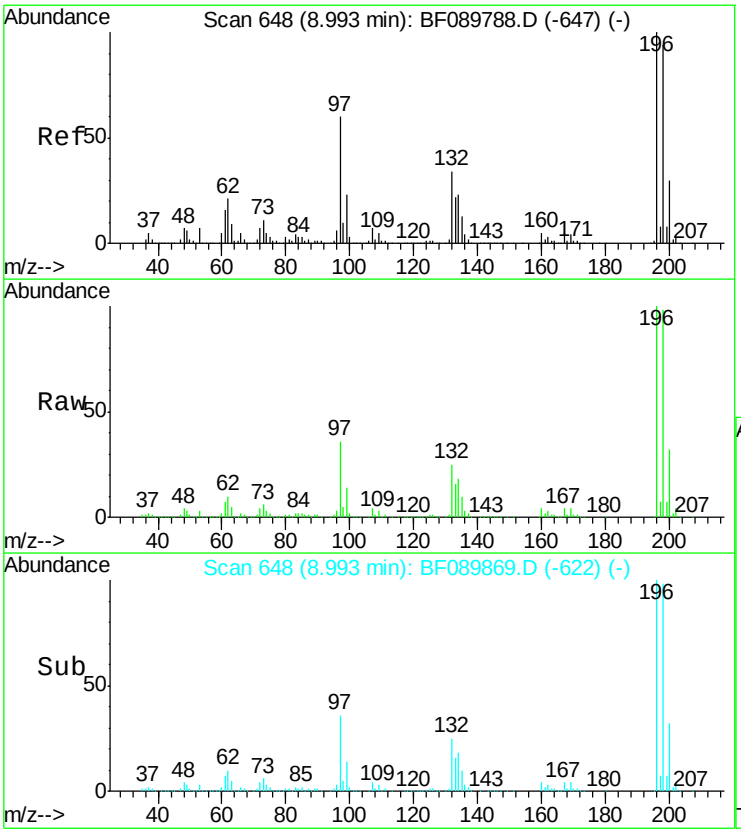
Tgt Ion:196 Resp: 405849

Ion	Ratio	Lower	Upper
196	100		
198	94.9	76.3	114.5
200	29.9	24.6	36.8



Instrument :
BNA_F
ClientSampleId :
AST-1MS

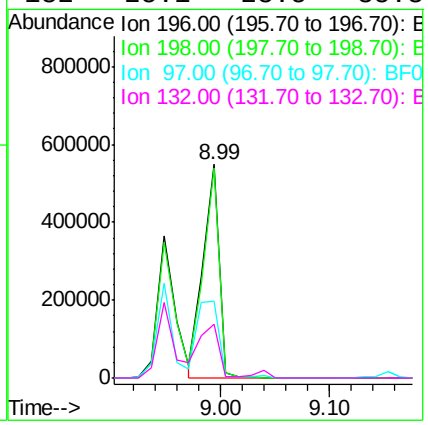
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

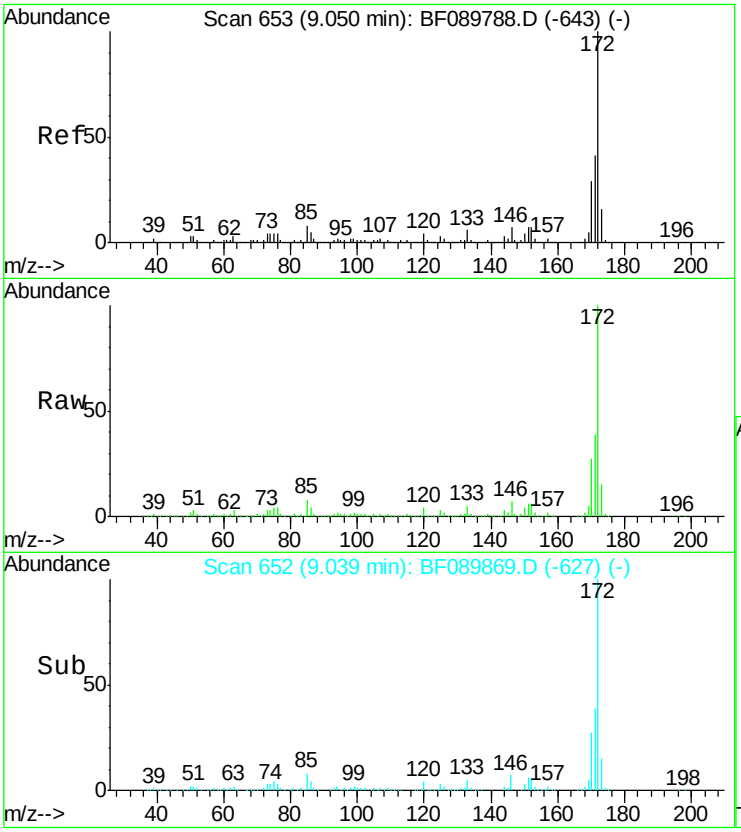


#43
2,4,5-Trichlorophenol
Concen: 37.54 ng
RT: 8.99 min Scan# 648
Delta R.T. 0.00 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:196 Resp: 569762

Ion	Ratio	Lower	Upper
196	100		
198	98.4	76.6	114.8
97	35.8	35.8	53.8#
132	25.1	23.5	35.3

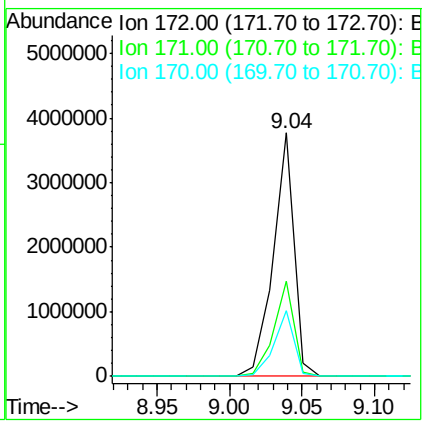




#44
2-Fluorobiphenyl
Concen: 88.25 ng
RT: 9.04 min Scan# 652
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

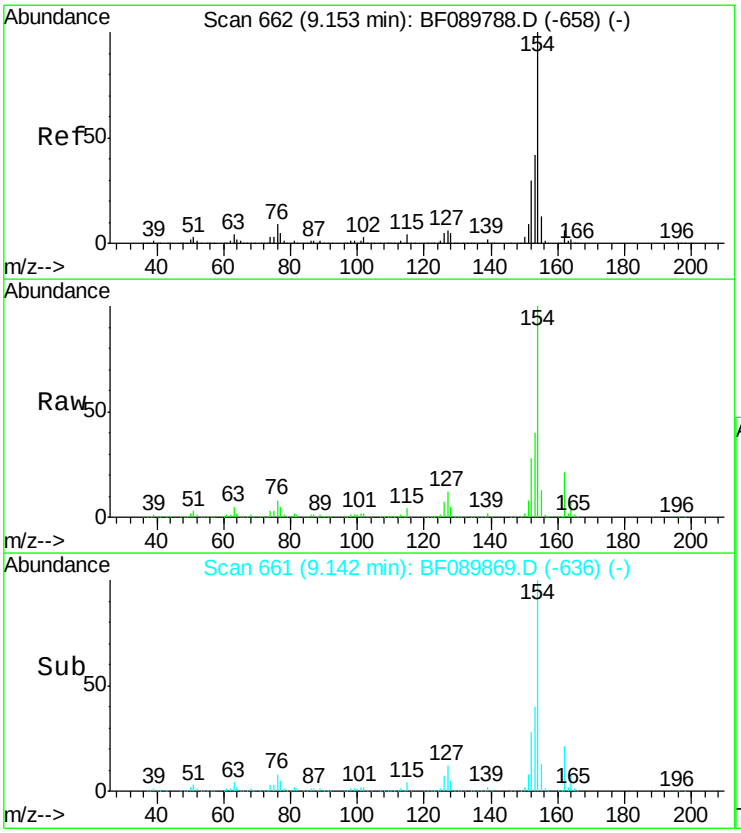
Tgt Ion:172 Resp: 3761183

Ion	Ratio	Lower	Upper
172	100		
171	39.3	30.5	45.7
170	27.0	20.6	31.0



Instrument :
BNA_F
ClientSampleId :
AST-1MS

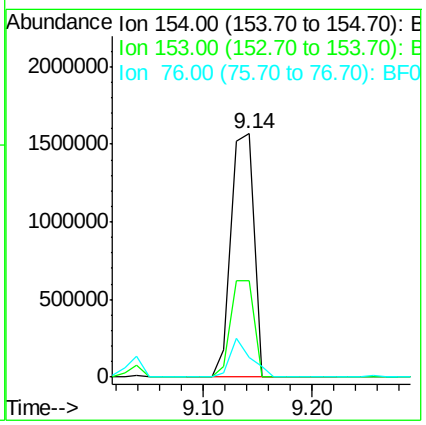
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

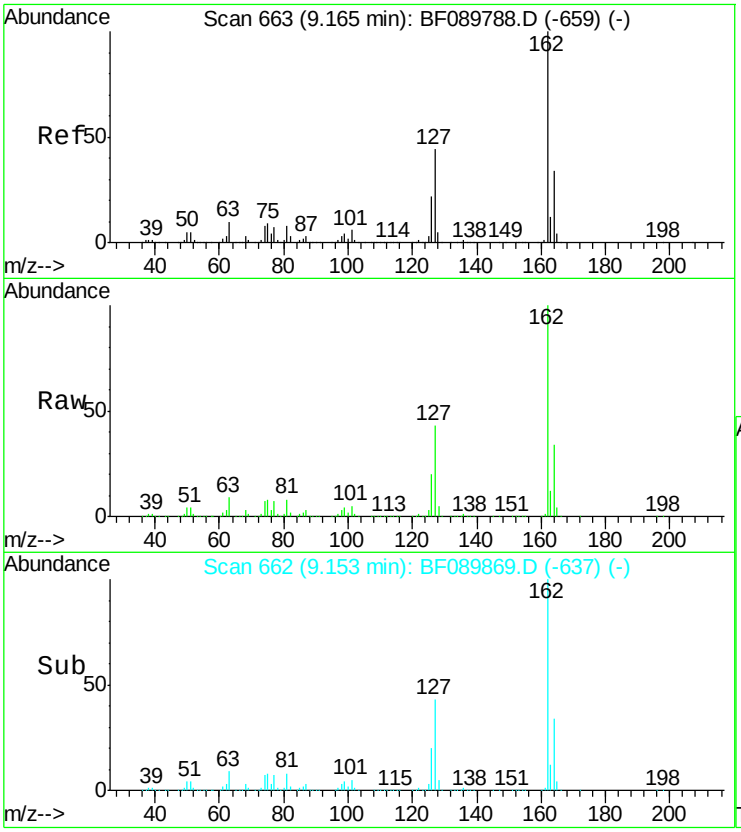


#45
1,1'-Biphenyl
Concen: 38.73 ng
RT: 9.14 min Scan# 661
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:154 Resp: 2245095

Ion	Ratio	Lower	Upper
154	100		
153	39.8	21.5	61.5
76	8.2	0.0	36.7

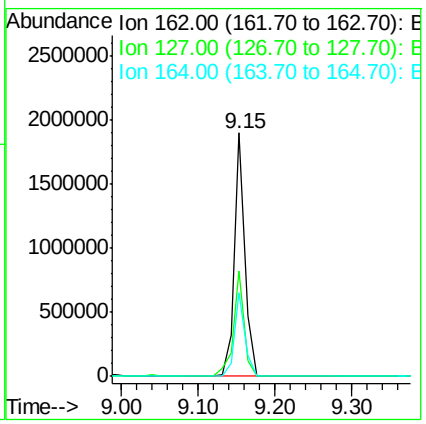




#46
2-Chloronaphthalene
Concen: 40.76 ng
RT: 9.15 min Scan# 662
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

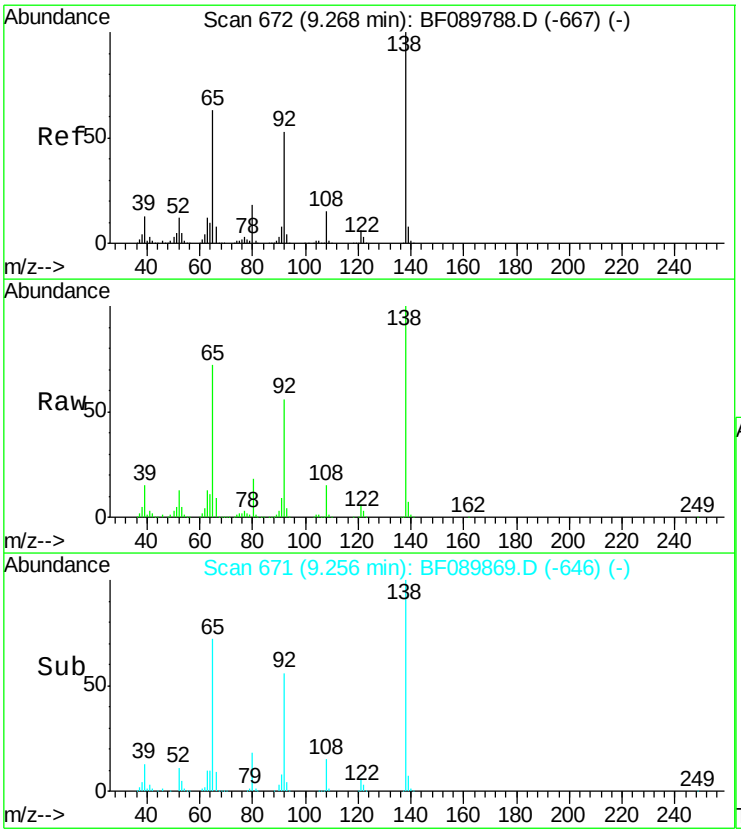
Tgt Ion:162 Resp: 1867606

Ion	Ratio	Lower	Upper
162	100		
127	43.2	35.5	53.3
164	34.3	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
AST-1MS

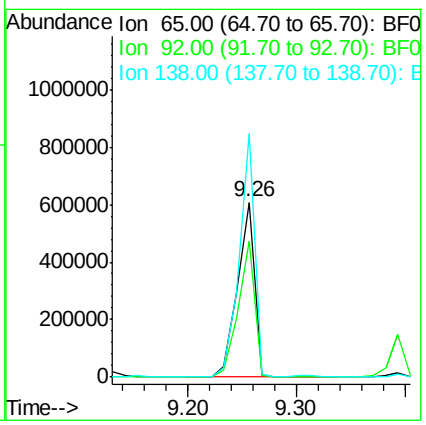
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

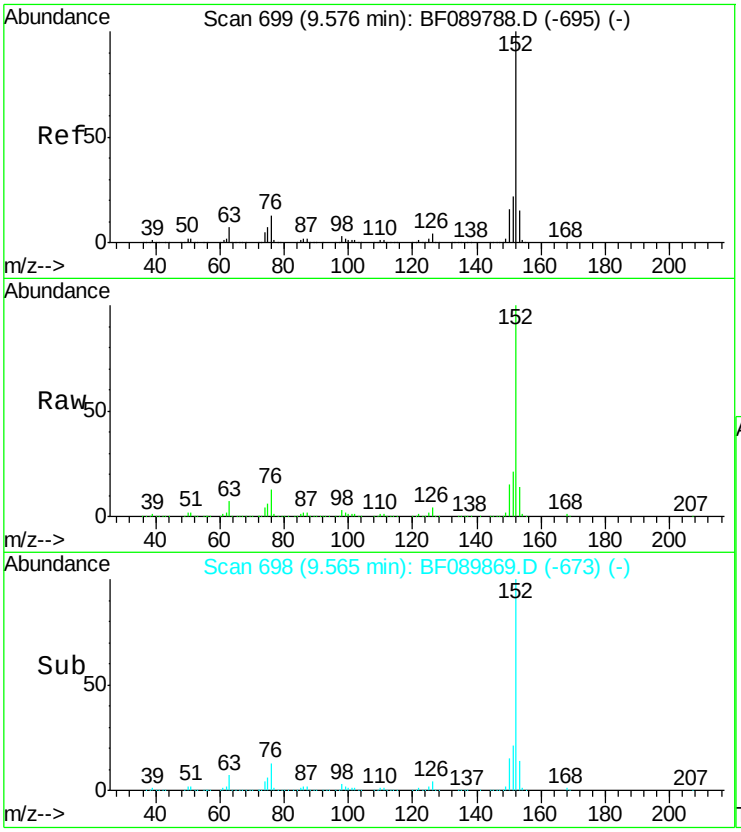


#47
2-Nitroaniline
Concen: 49.93 ng
RT: 9.26 min Scan# 671
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion: 65 Resp: 652551

Ion	Ratio	Lower	Upper
65	100		
92	77.8	56.3	84.5
138	139.1	81.8	122.8#

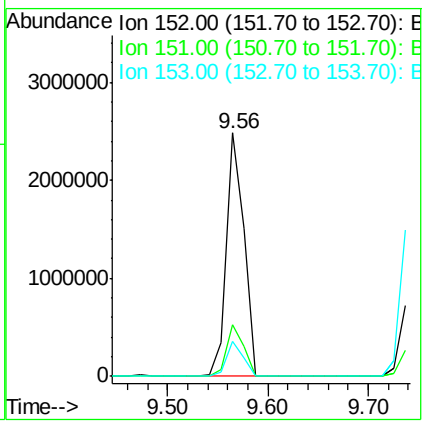




#48
Acenaphthylene
Concen: 43.33 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

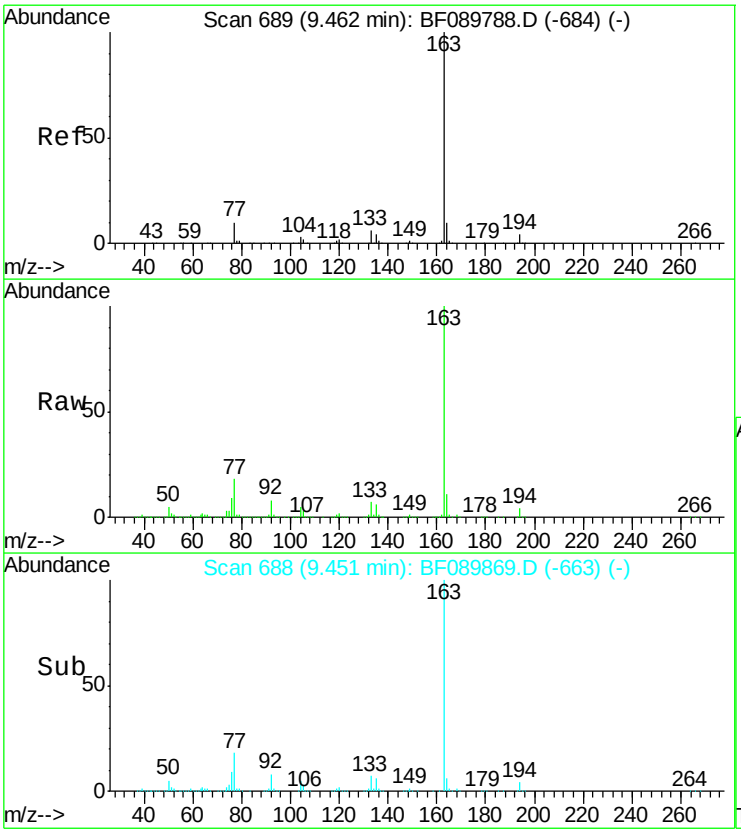
Tgt Ion:152 Resp: 2983242

Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.1	25.7
153	14.4	11.2	16.8



Instrument :
BNA_F
ClientSampleId :
AST-1MS

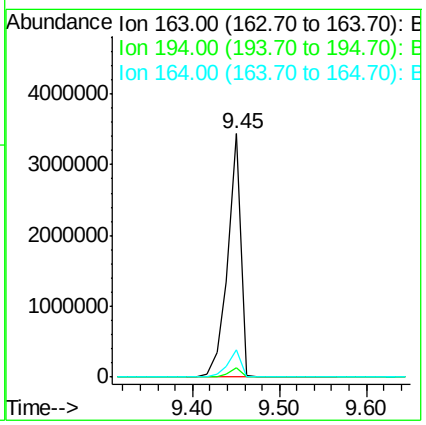
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

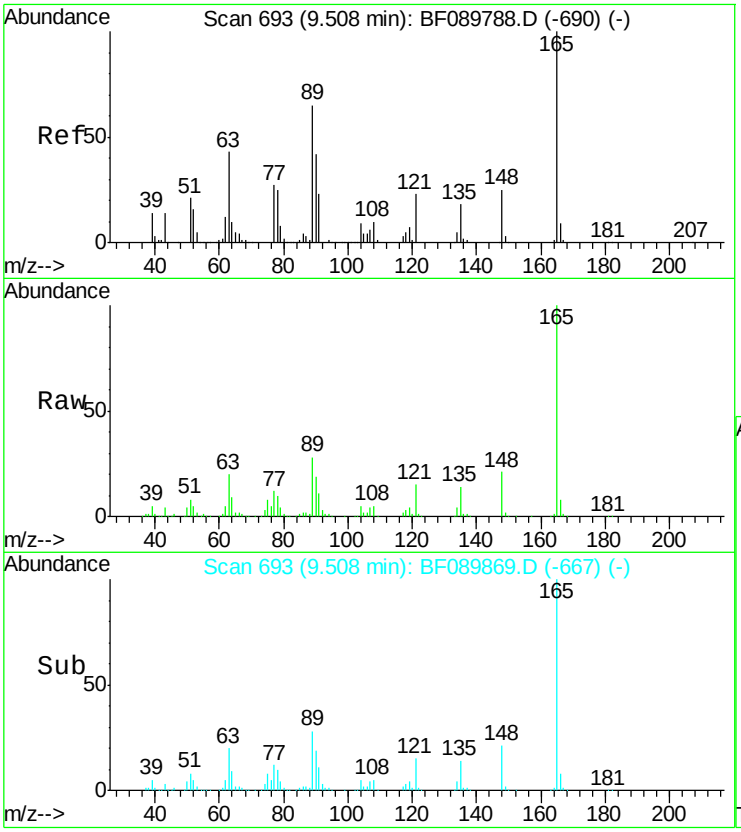


#49
Dimethylphthalate
Concen: 67.35 ng
RT: 9.45 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:163 Resp: 3552208

Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.6	3.8#
164	11.1	8.6	12.8





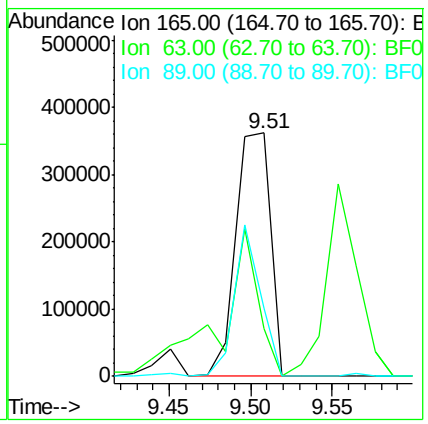
#50
2,6-Dinitrotoluene
Concen: 43.54 ng
RT: 9.51 min Scan# 693
Delta R.T. 0.00 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

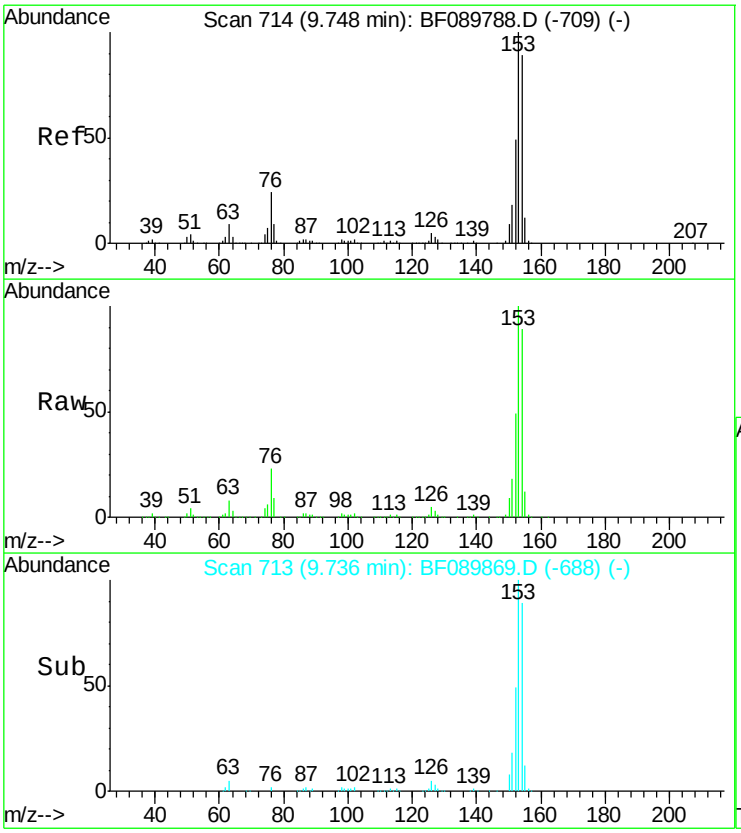
Tgt Ion:165 Resp: 530187

Ion	Ratio	Lower	Upper
165	100		
63	19.7	41.7	62.5#
89	28.1	44.6	67.0#

Instrument :
BNA_F
ClientSampleId :
AST-1MS

Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

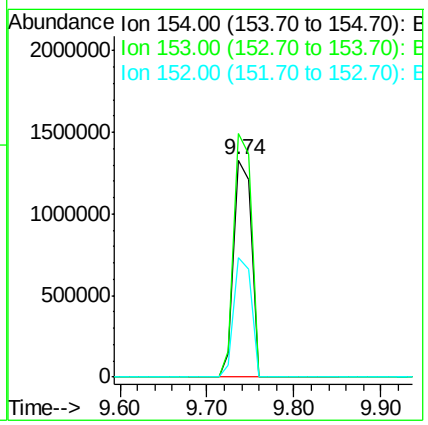


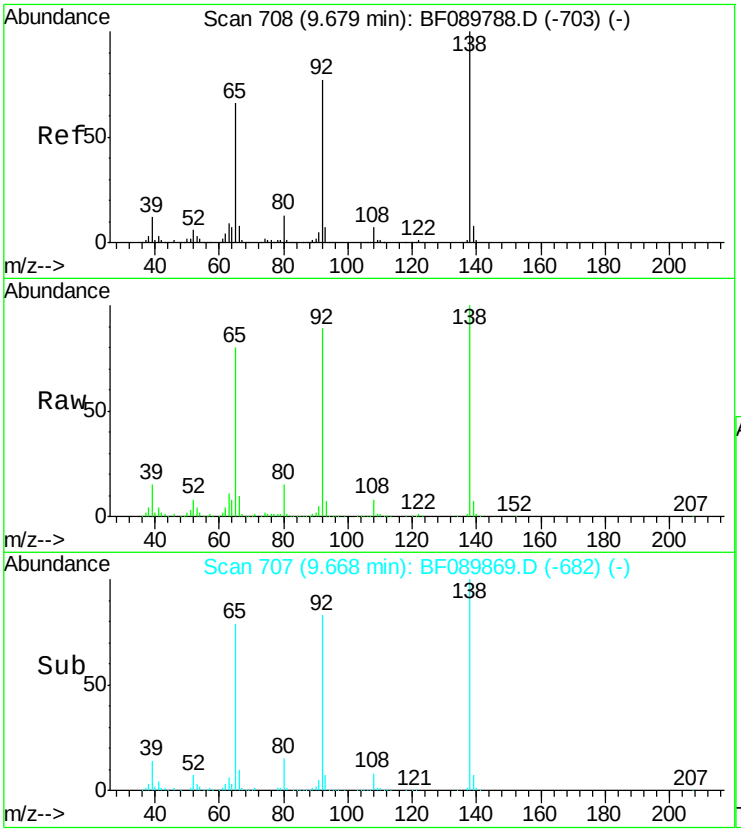


#51
Acenaphthene
Concen: 40.73 ng
RT: 9.74 min Scan# 713
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:154 Resp: 1856260

Ion	Ratio	Lower	Upper
154	100		
153	112.0	90.5	135.7
152	54.7	44.6	67.0





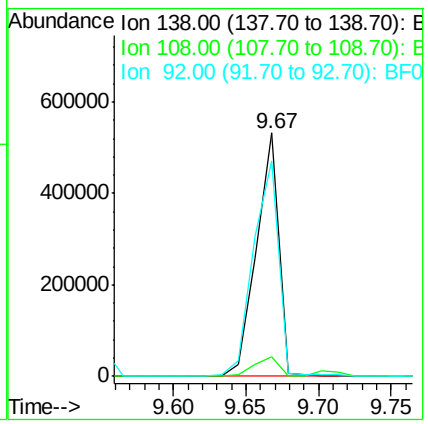
#52
3-Nitroaniline
Concen: 42.27 ng
RT: 9.67 min Scan# 707
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

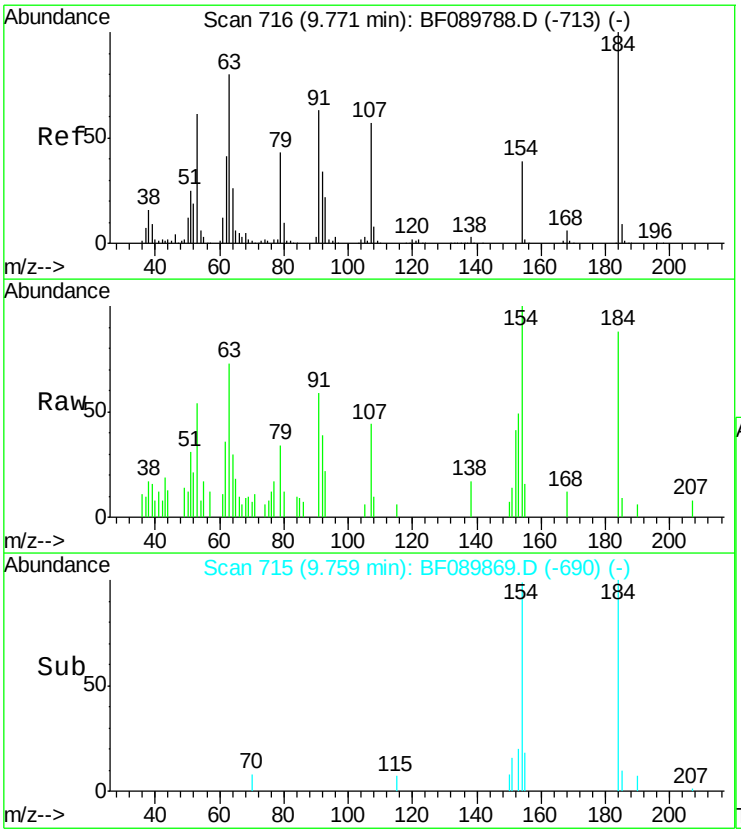
Tgt Ion:138 Resp: 570230

Ion	Ratio	Lower	Upper
138	100		
108	8.2	8.1	12.1
92	88.7	92.7	139.1#

Instrument :
BNA_F
ClientSampleId :
AST-1MS

Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

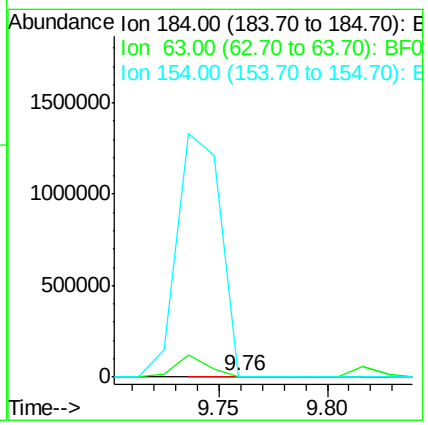


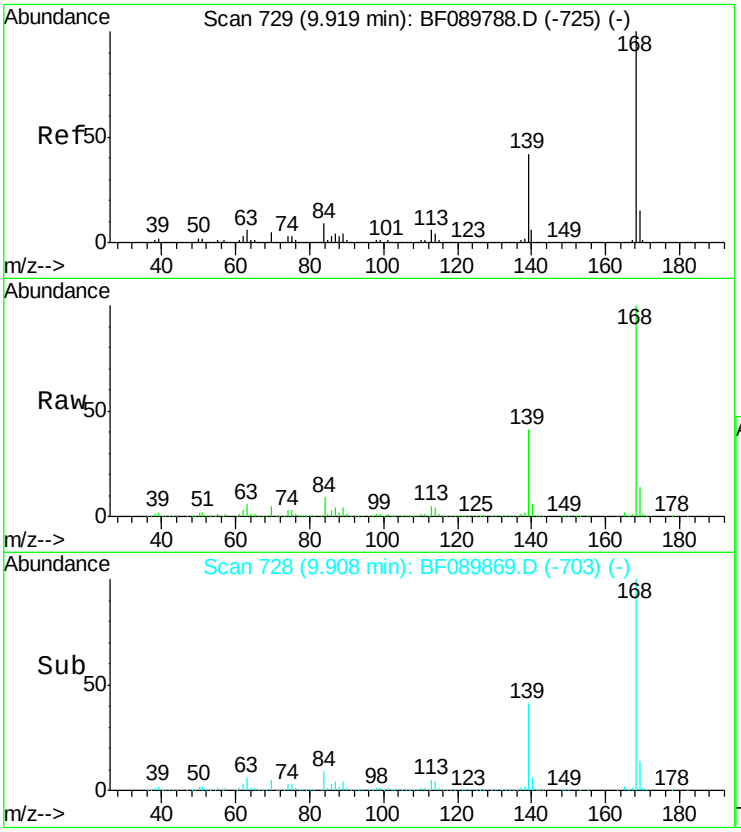


#53
2,4-Dinitrophenol
Concen: 3.35 ng
RT: 9.76 min Scan# 715
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:184 Resp: 5207

Ion	Ratio	Lower	Upper
184	100		
63	82.2	54.2	81.4#
154	113.2	52.7	79.1#

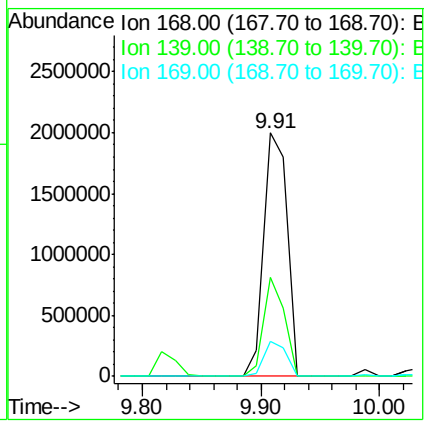




#54
Dibenzofuran
Concen: 48.21 ng
RT: 9.91 min Scan# 728
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

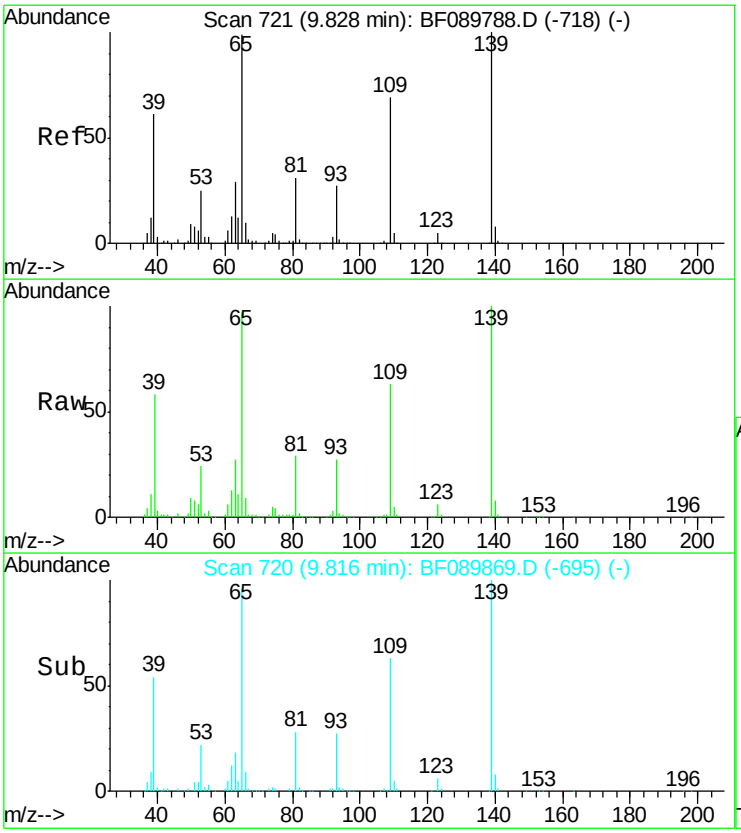
Tgt Ion:168 Resp: 2759438

Ion	Ratio	Lower	Upper
168	100		
139	40.6	34.6	52.0
169	14.4	11.5	17.3



Instrument :
BNA_F
ClientSampleId :
AST-1MS

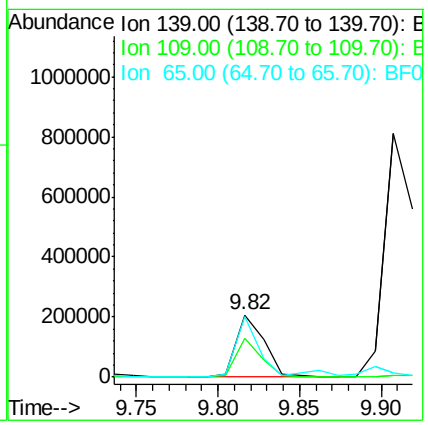
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

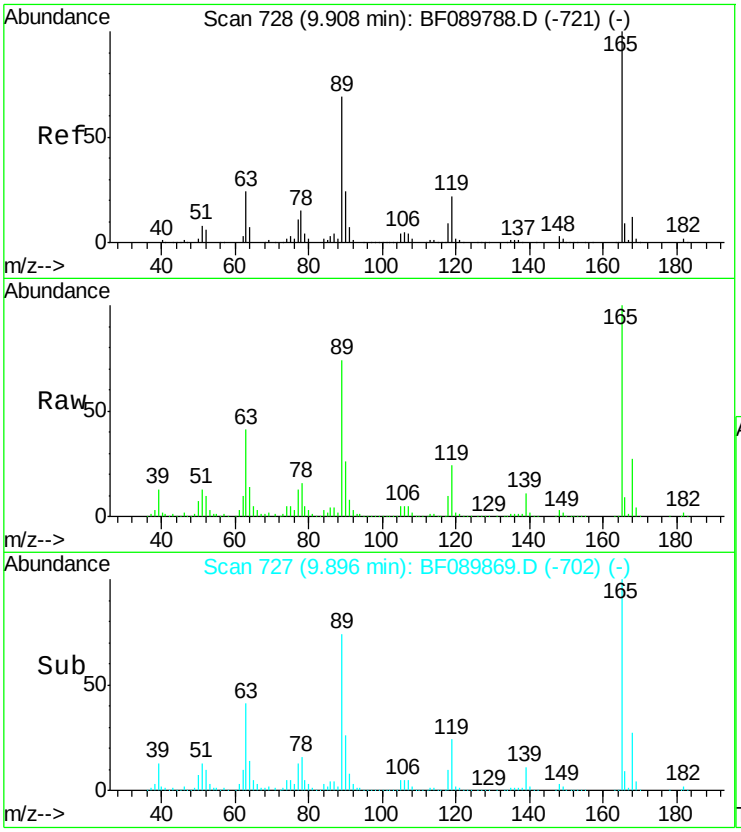


#55
4-Nitrophenol
Concen: 22.47 ng
RT: 9.82 min Scan# 720
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:139 Resp: 247384

Ion	Ratio	Lower	Upper
139	100		
109	62.7	43.0	83.0
65	96.6	55.7	95.7#

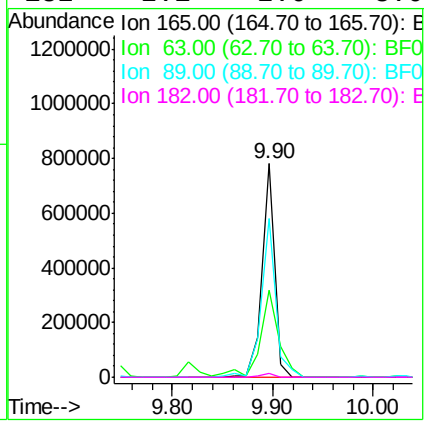




#56
2,4-Dinitrotoluene
Concen: 42.70 ng
RT: 9.90 min Scan# 727
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

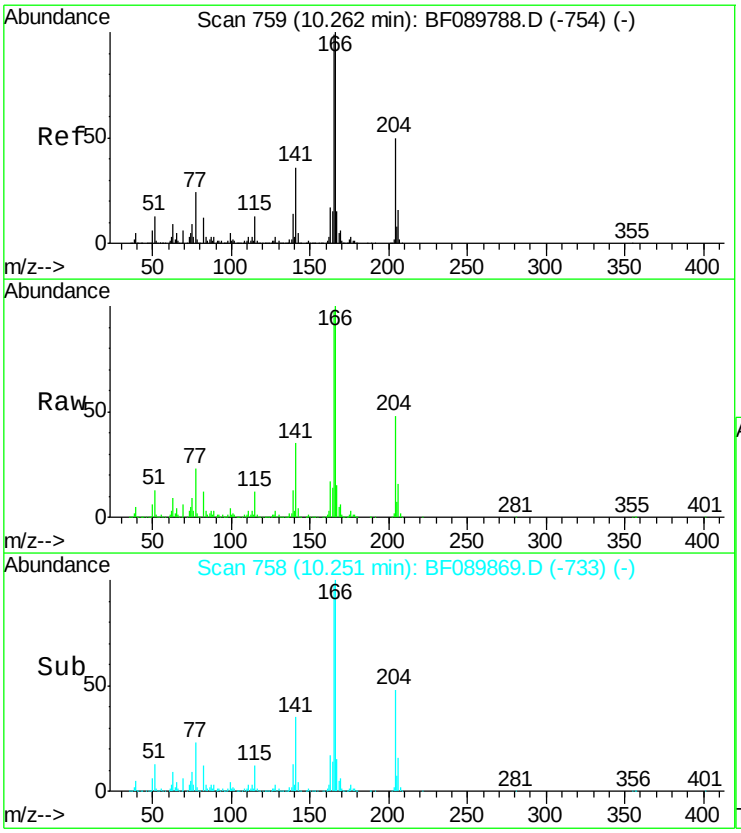
Tgt Ion:165 Resp: 674582

Ion	Ratio	Lower	Upper
165	100		
63	40.8	23.7	35.5#
89	74.0	44.0	66.0#
182	2.1	2.0	3.0



Instrument :
BNA_F
ClientSampleId :
AST-1MS

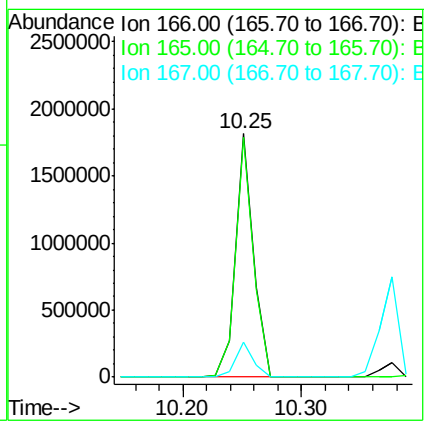
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

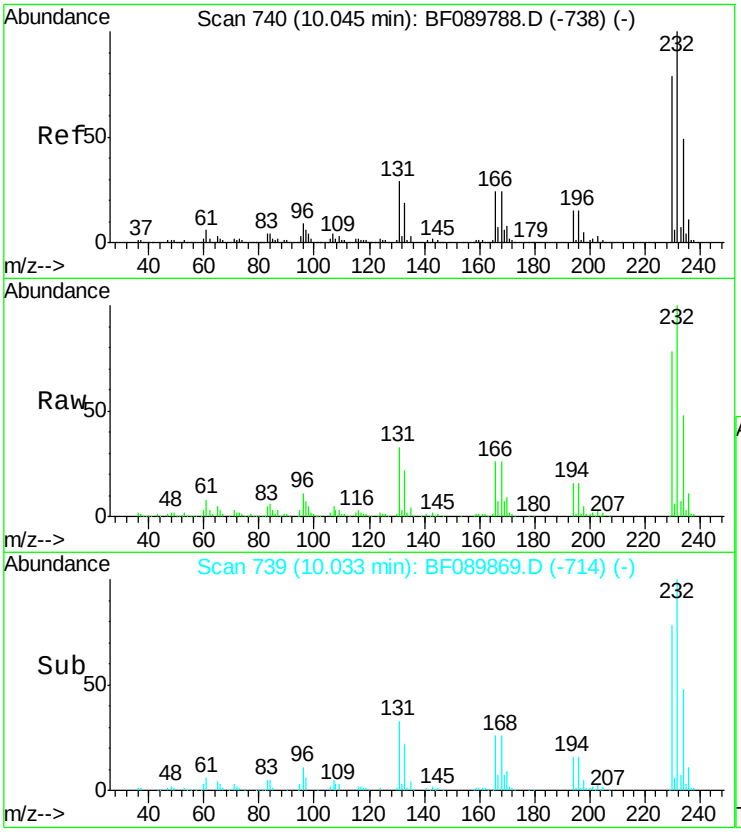


#57
Fluorene
Concen: 41.76 ng
RT: 10.25 min Scan# 758
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:166 Resp: 1904604

Ion	Ratio	Lower	Upper
166	100		
165	98.2	80.2	120.4
167	14.6	11.3	16.9

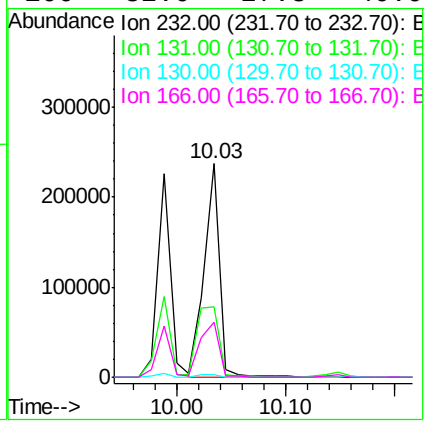




#58
2,3,4,6-Tetrachlorophenol
Concen: 21.32 ng
RT: 10.03 min Scan# 739
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

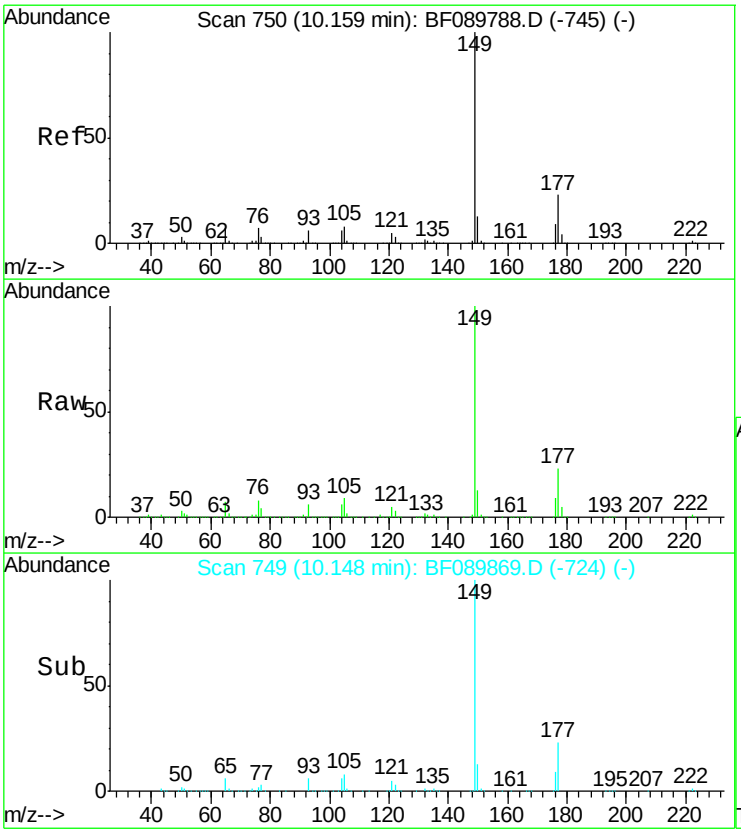
Tgt Ion:232 Resp: 235543

Ion	Ratio	Lower	Upper
232	100		
131	48.3	42.5	63.7
130	2.0	2.2	3.4#
166	32.0	27.3	40.9



Instrument :
BNA_F
ClientSampleId :
AST-1MS

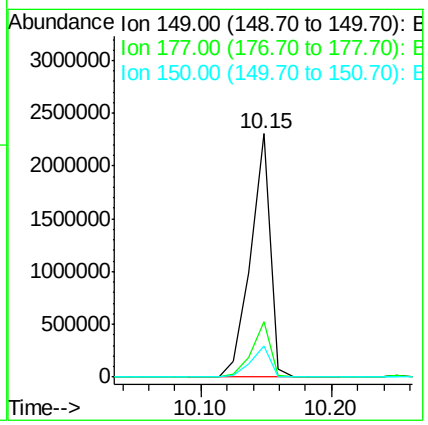
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

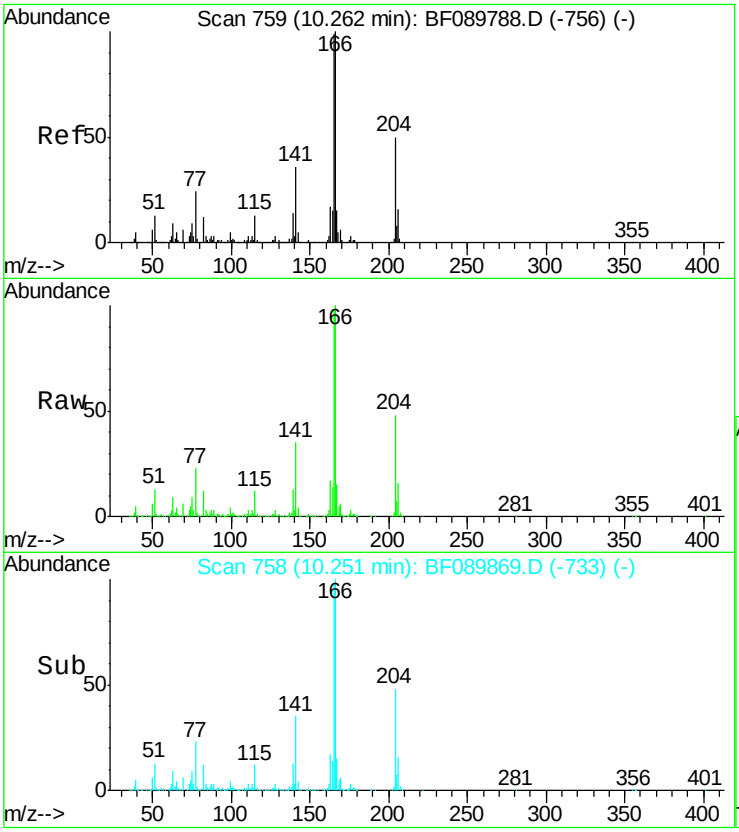


#59
Diethylphthalate
Concen: 45.22 ng
RT: 10.15 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:149 Resp: 2422834

Ion	Ratio	Lower	Upper
149	100		
177	22.9	16.6	25.0
150	12.8	10.5	15.7

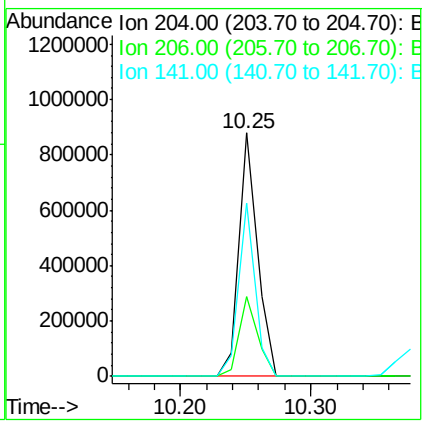




#60
4-Chlorophenyl-phenylether
Concen: 41.27 ng
RT: 10.25 min Scan# 758
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

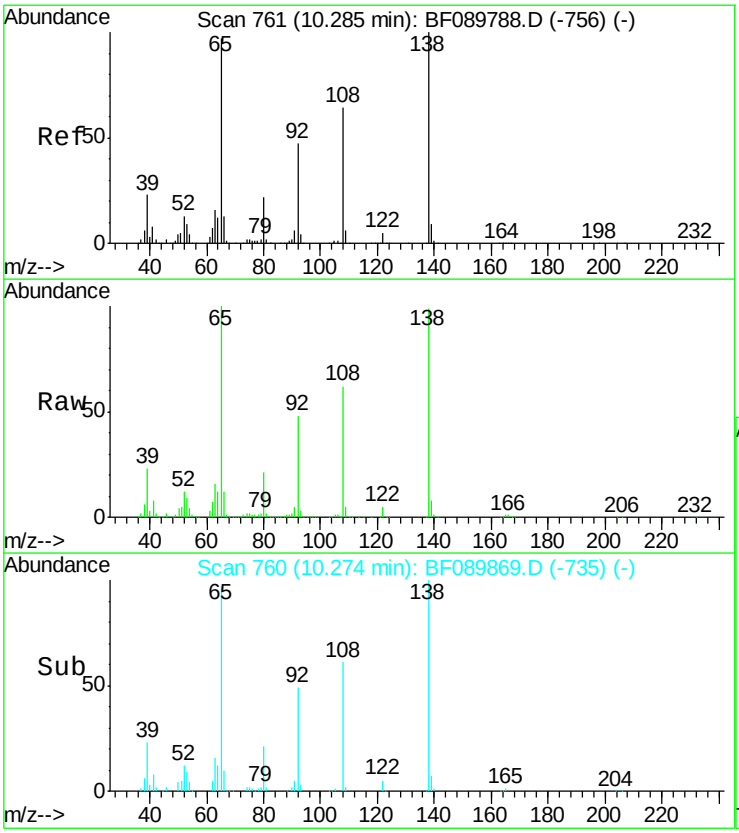
Tgt Ion:204 Resp: 858746

Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.5	39.7
141	71.3	54.1	81.1



Instrument :
BNA_F
ClientSampleId :
AST-1MS

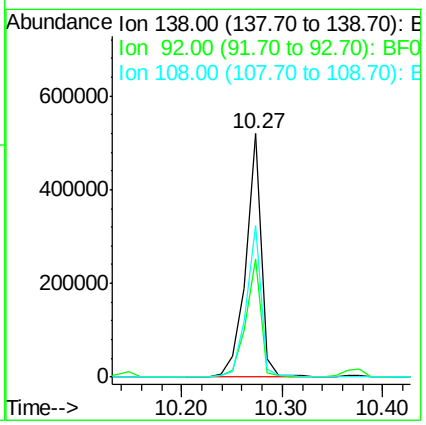
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

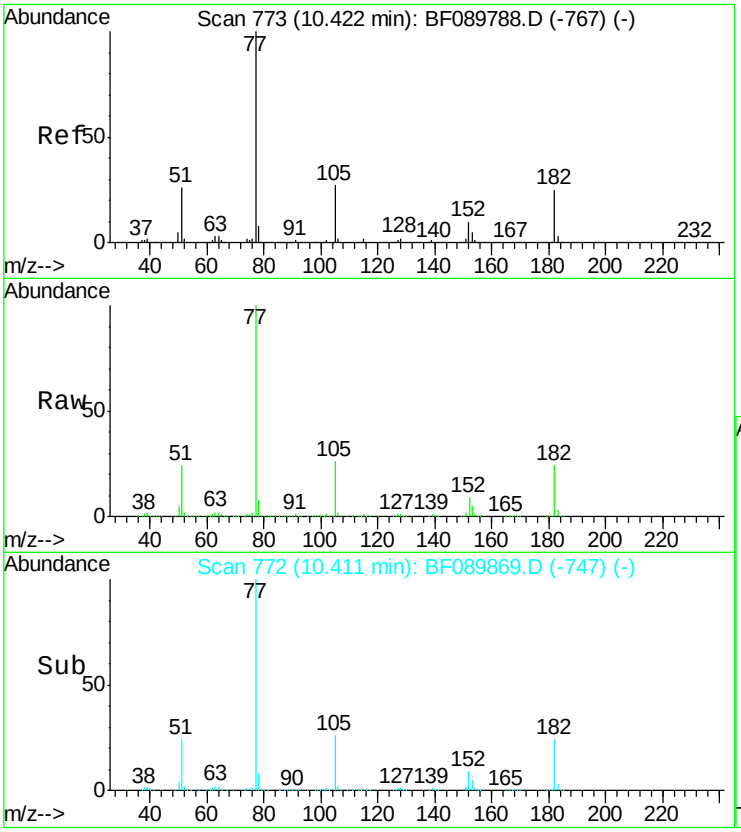


#61
4-Nitroaniline
Concen: 44.12 ng
RT: 10.27 min Scan# 760
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:138 Resp: 558067

Ion	Ratio	Lower	Upper
138	100		
92	48.7	26.4	66.4
108	62.3	47.0	87.0

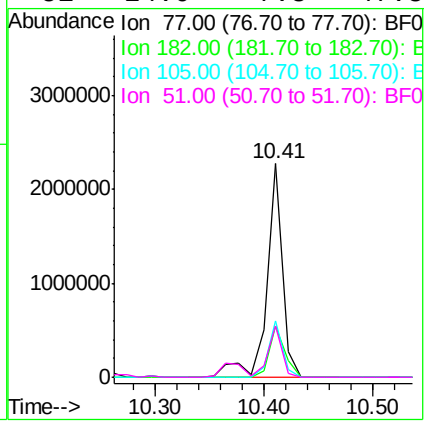




#62
Azobenzene
Concen: 45.96 ng
RT: 10.41 min Scan# 772
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

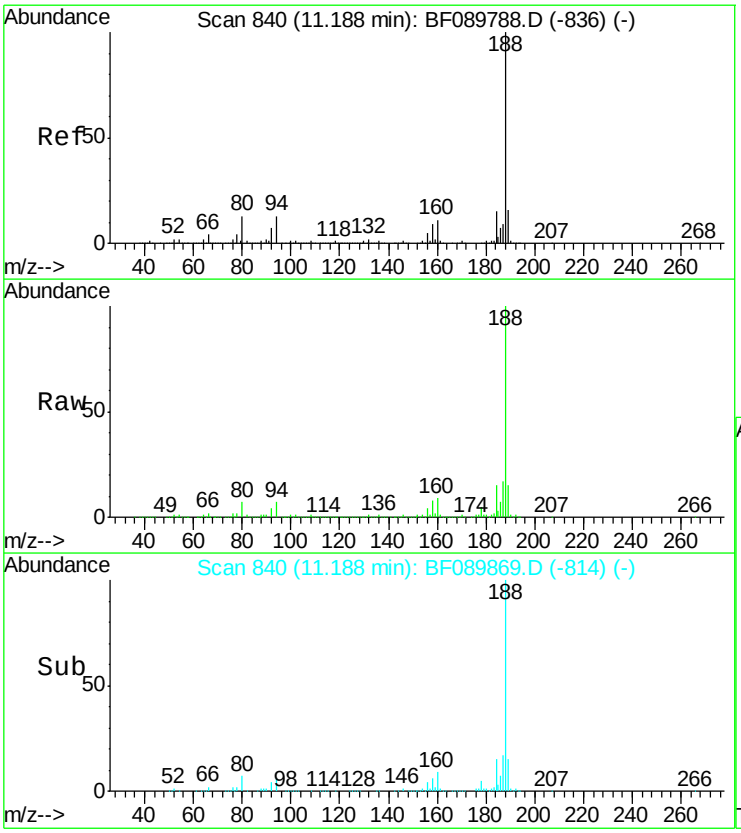
Tgt Ion: 77 Resp: 2314876

Ion	Ratio	Lower	Upper
77	100		
182	23.9	5.6	45.6
105	26.1	4.0	44.0
51	24.0	7.8	47.8



Instrument :
BNA_F
ClientSampleId :
AST-1MS

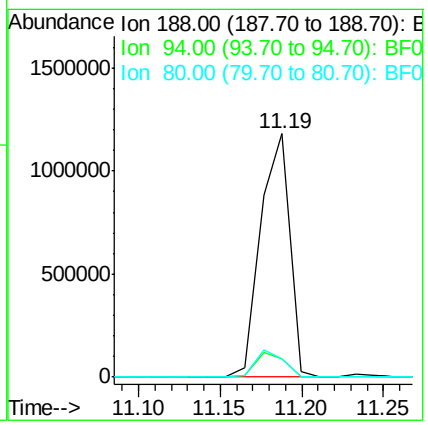
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

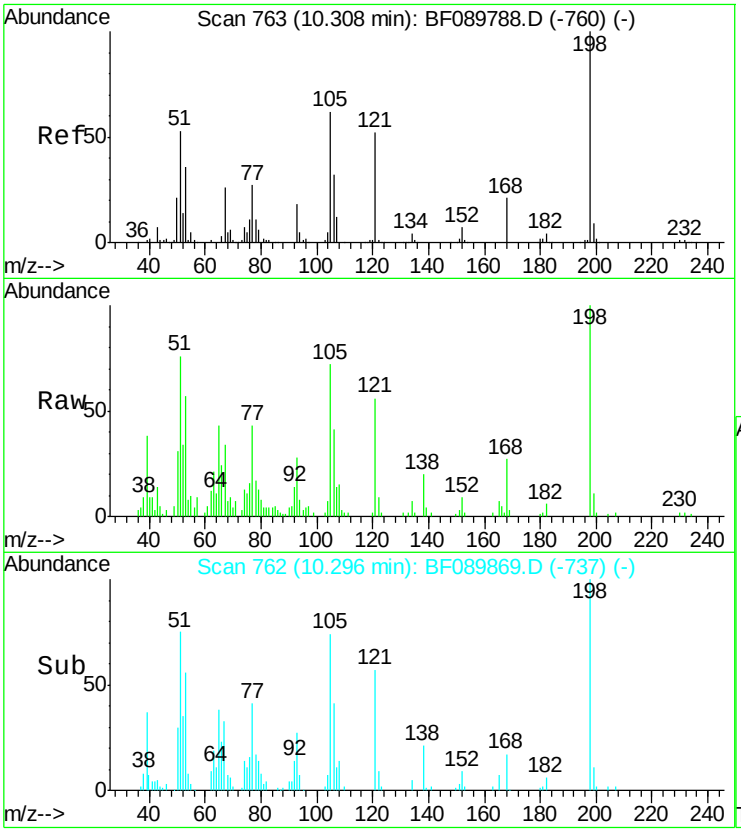


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. 0.00 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:188 Resp: 1470430

Ion	Ratio	Lower	Upper
188	100		
94	7.4	10.2	15.2#
80	7.4	10.9	16.3#

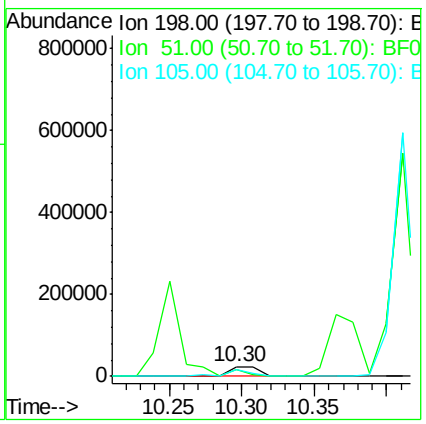




#64
4,6-Dinitro-2-methylphenol
Concen: 4.05 ng
RT: 10.30 min Scan# 762
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

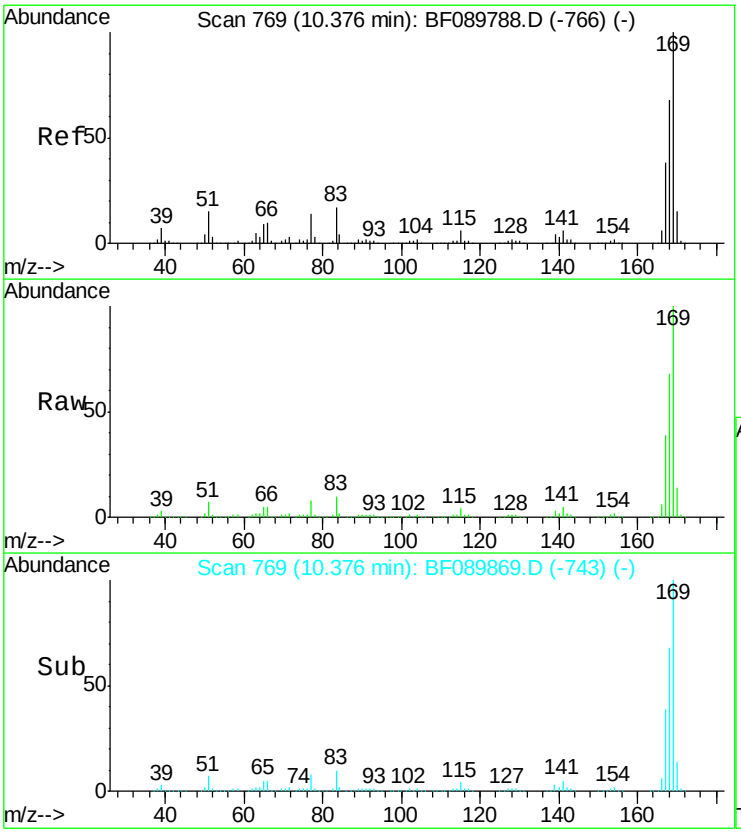
Tgt Ion:198 Resp: 34198

Ion	Ratio	Lower	Upper
198	100		
51	76.0	32.3	72.3#
105	72.3	32.9	72.9



Instrument :
BNA_F
ClientSampleId :
AST-1MS

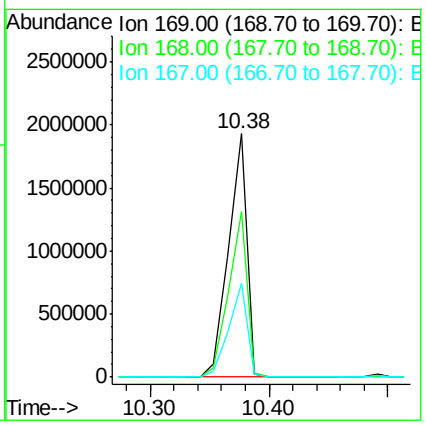
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

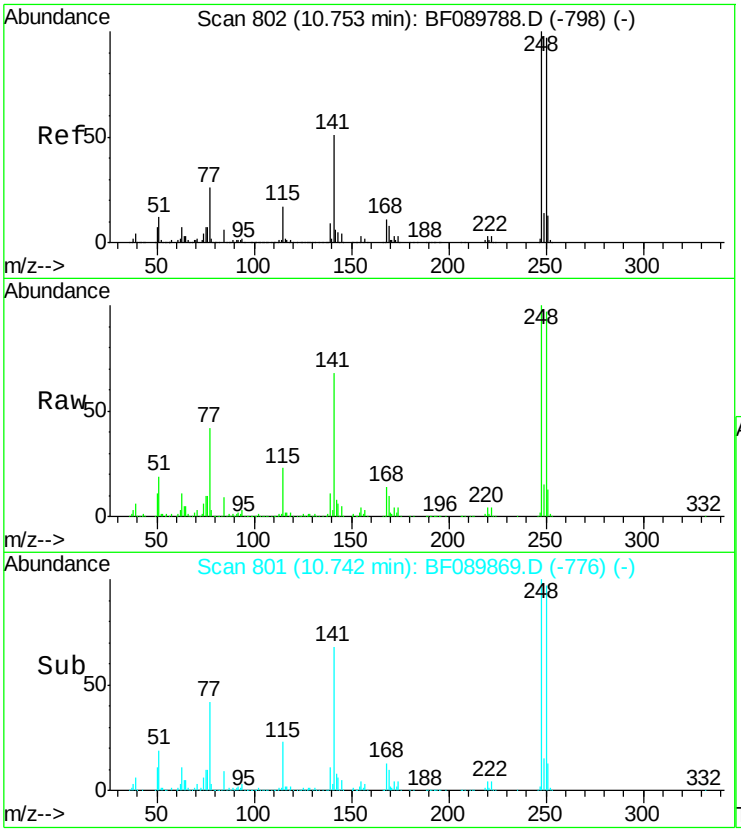


#65
n-Nitrosodiphenylamine
Concen: 44.79 ng
RT: 10.38 min Scan# 769
Delta R.T. 0.00 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:169 Resp: 2070936

Ion	Ratio	Lower	Upper
169	100		
168	68.0	54.6	82.0
167	38.5	30.6	45.8

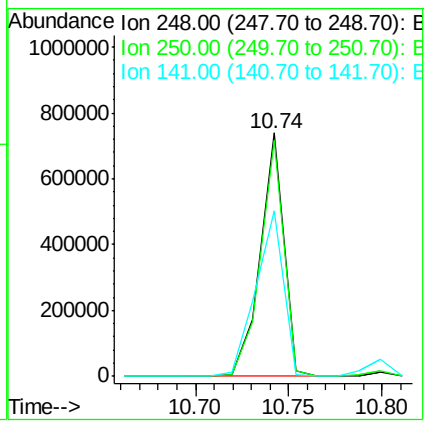




#66
4-Bromophenyl-phenylether
Concen: 41.72 ng
RT: 10.74 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

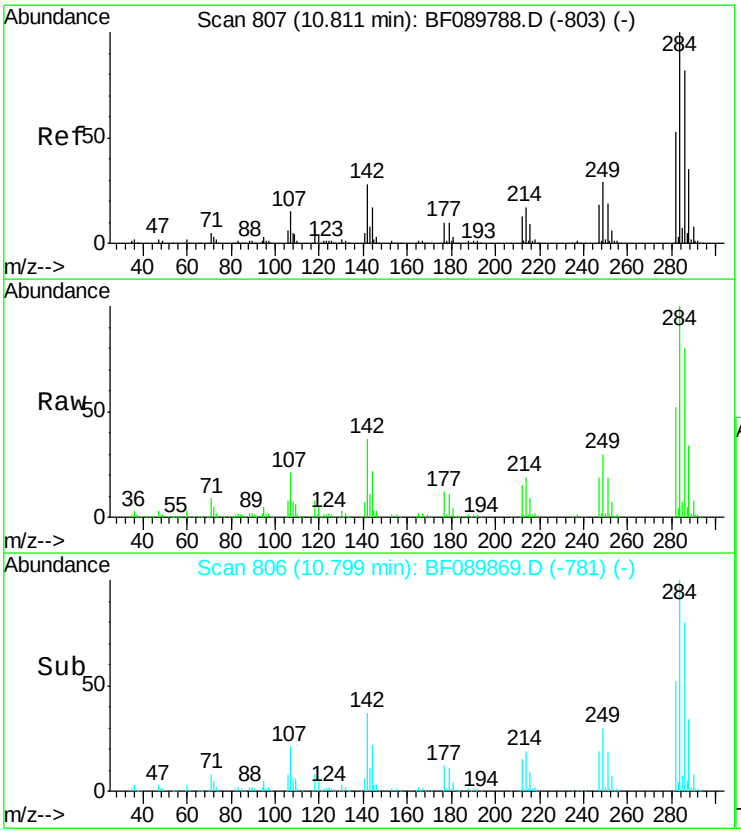
Tgt Ion:248 Resp: 643129

Ion	Ratio	Lower	Upper
248	100		
250	97.0	78.6	117.8
141	67.8	31.4	47.2#



Instrument :
BNA_F
ClientSampleId :
AST-1MS

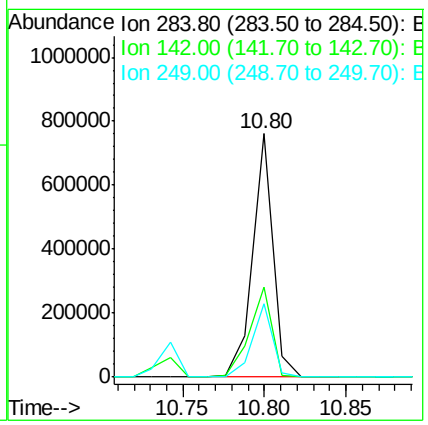
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

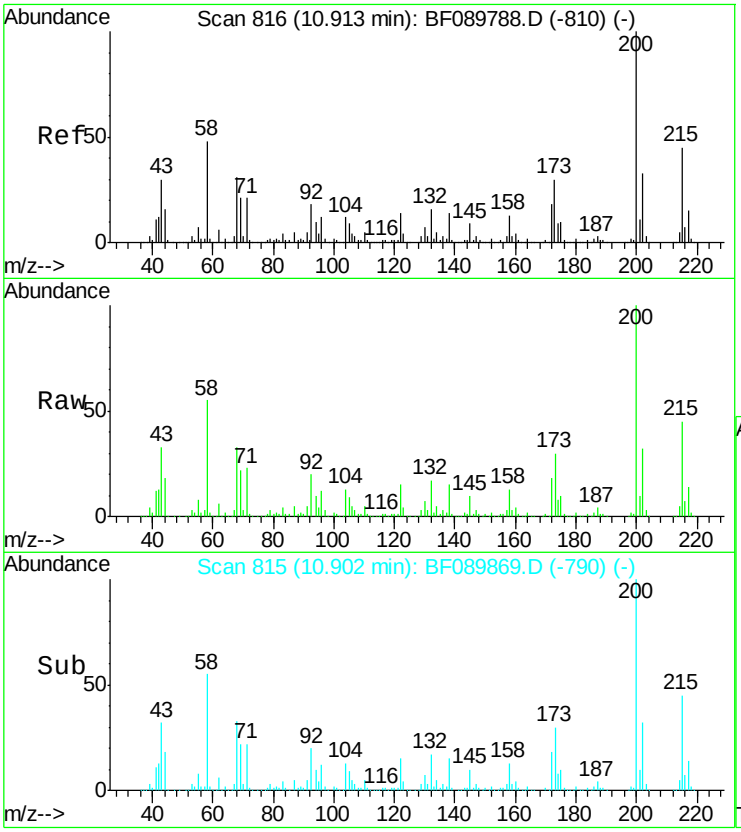


#67
Hexachlorobenzene
Concen: 37.41 ng
RT: 10.80 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:284 Resp: 657996

Ion	Ratio	Lower	Upper
284	100		
142	36.8	17.4	26.2#
249	30.0	22.8	34.2

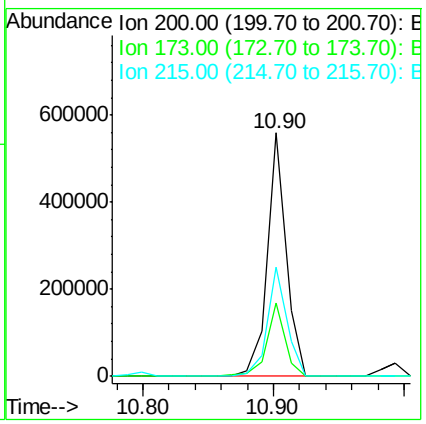




#68
Atrazine
Concen: 40.20 ng
RT: 10.90 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

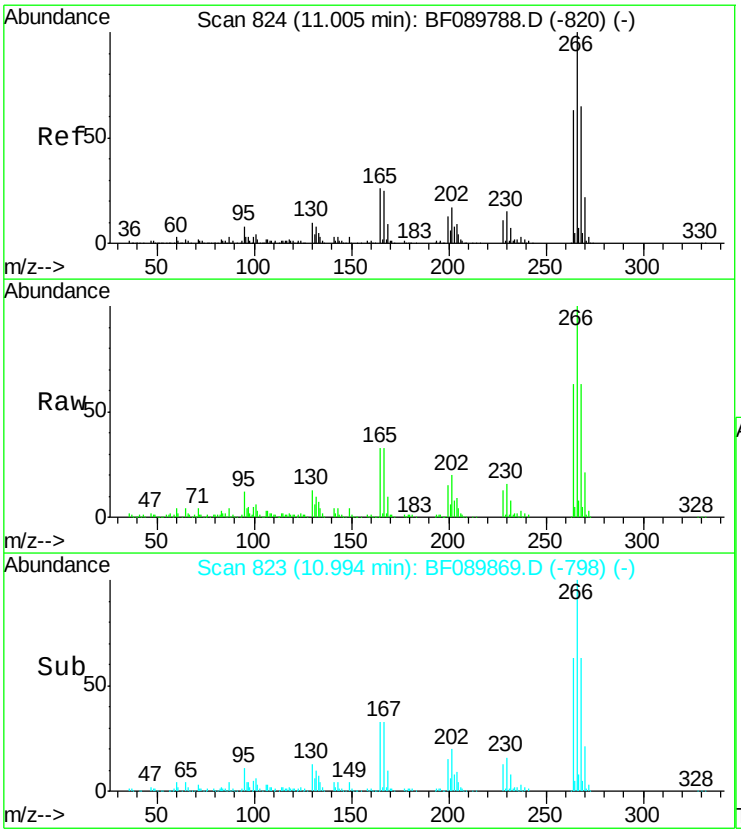
Tgt Ion:200 Resp: 569199

Ion	Ratio	Lower	Upper
200	100		
173	30.2	6.6	46.6
215	45.1	24.7	64.7



Instrument :
BNA_F
ClientSampleId :
AST-1MS

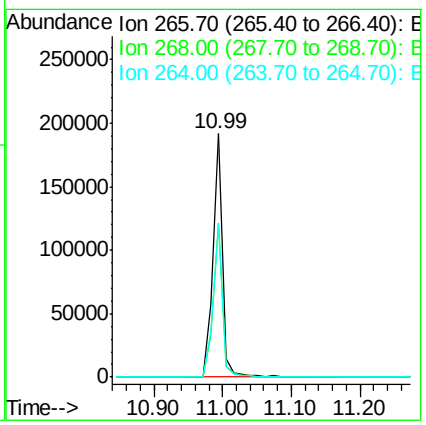
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

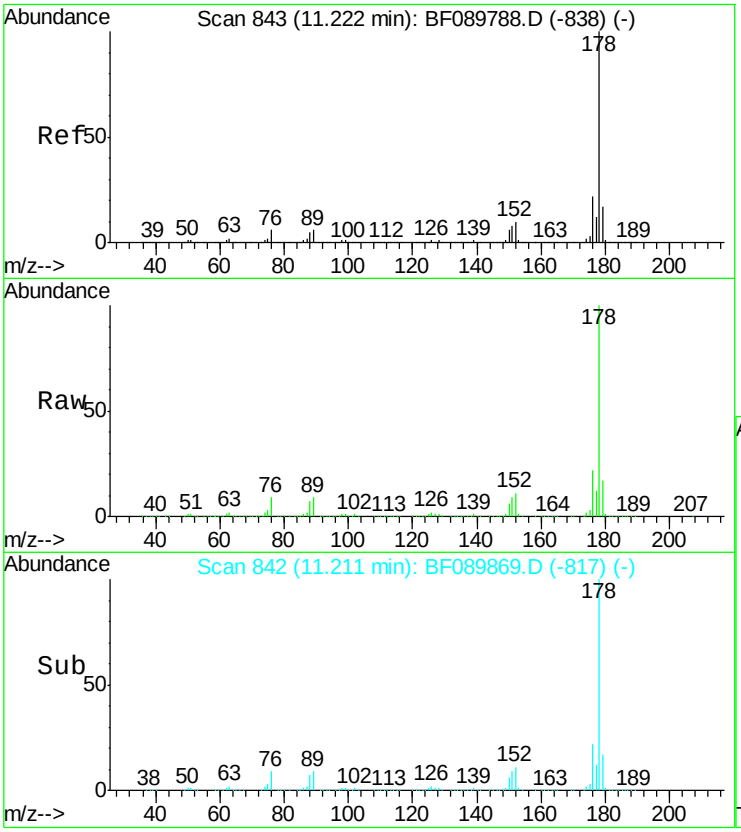


#69
Pentachlorophenol
Concen: 19.08 ng
RT: 10.99 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:266 Resp: 190156

Ion	Ratio	Lower	Upper
266	100		
268	63.5	53.2	79.8
264	62.8	51.1	76.7

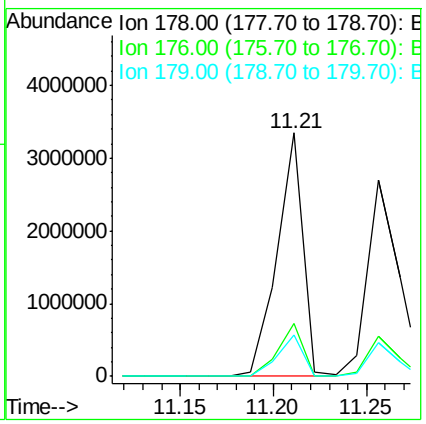




#70
Phenanthrene
Concen: 43.51 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

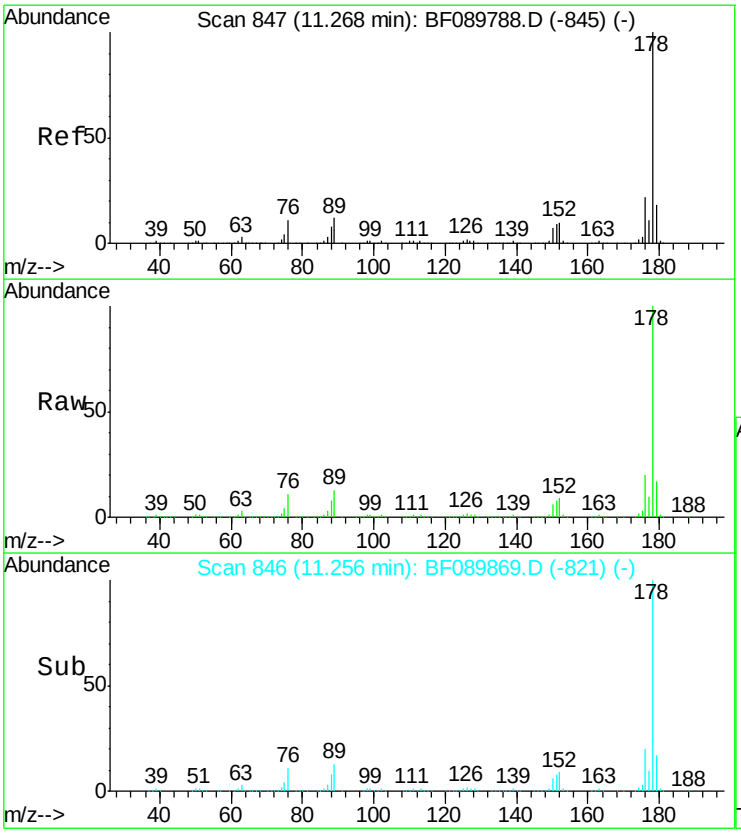
Tgt Ion:178 Resp: 3231427

Ion	Ratio	Lower	Upper
178	100		
176	21.8	16.4	24.6
179	17.0	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
AST-1MS

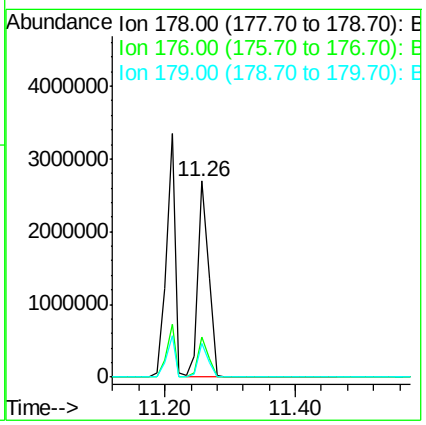
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

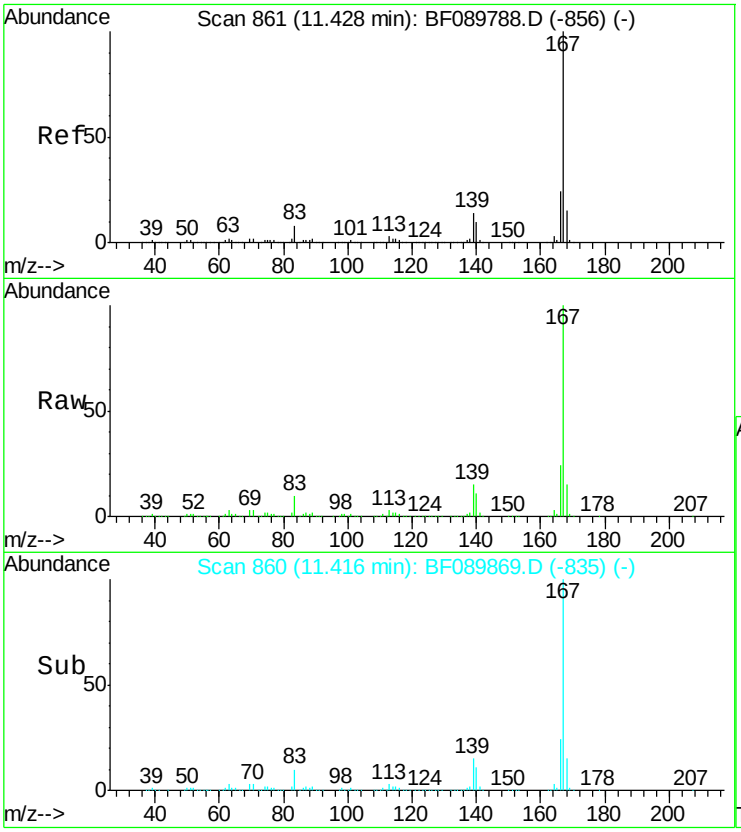


#71
Anthracene
Concen: 39.70 ng
RT: 11.26 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:178 Resp: 2997258

Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.4	24.6
179	16.9	13.1	19.7

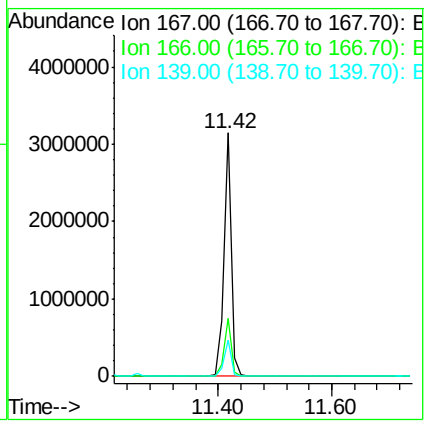




#72
Carbazole
Concen: 42.40 ng
RT: 11.42 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

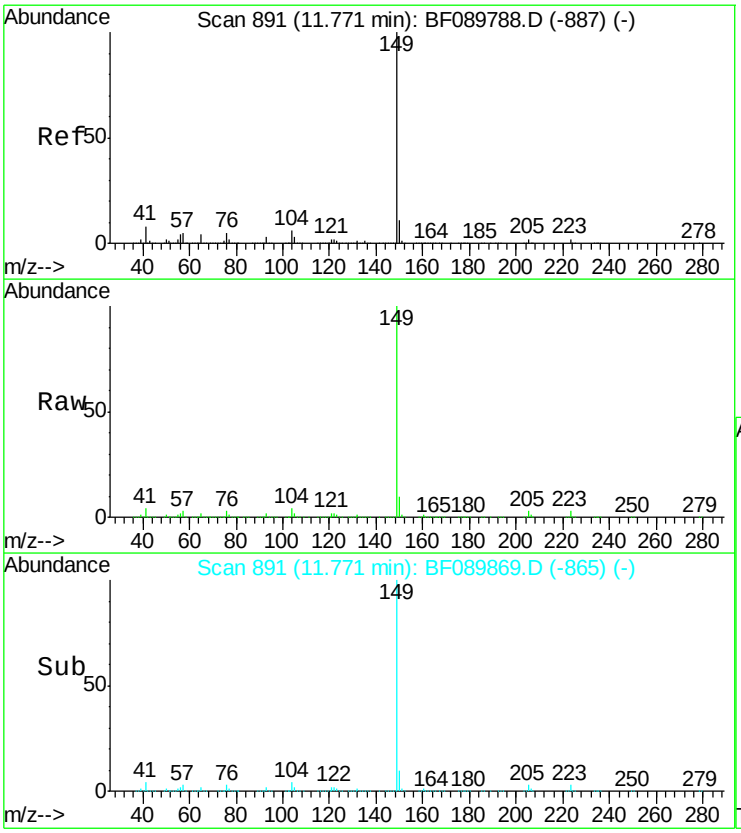
Tgt Ion:167 Resp: 2870715

Ion	Ratio	Lower	Upper
167	100		
166	23.6	17.9	26.9
139	14.7	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
AST-1MS

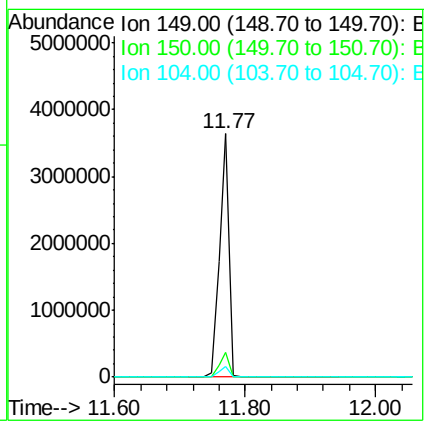
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

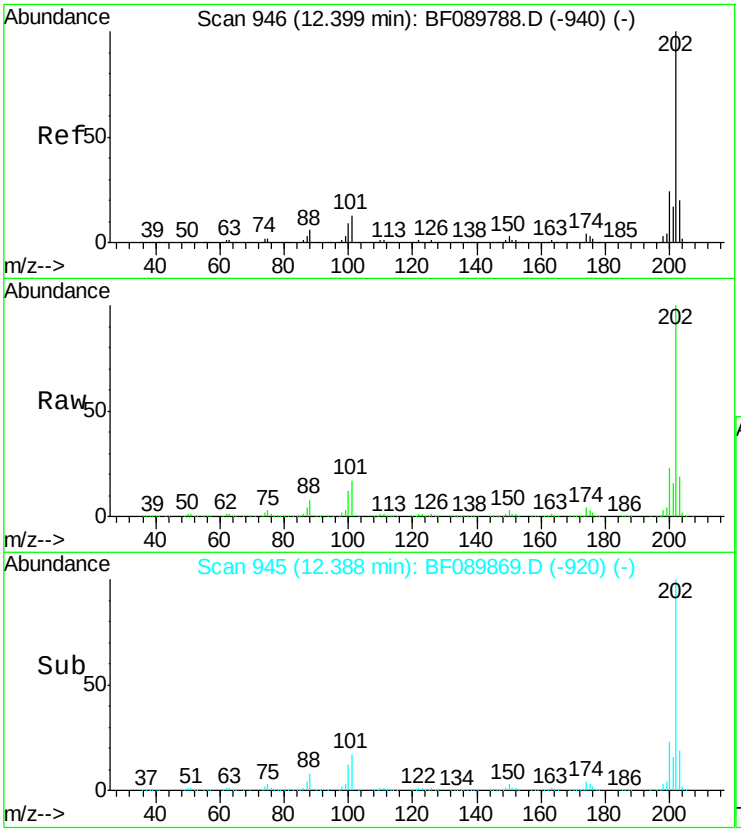


#73
Di-n-butylphthalate
Concen: 44.29 ng
RT: 11.77 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:149 Resp: 3751993

Ion	Ratio	Lower	Upper
149	100		
150	10.3	7.9	11.9
104	4.1	4.3	6.5#

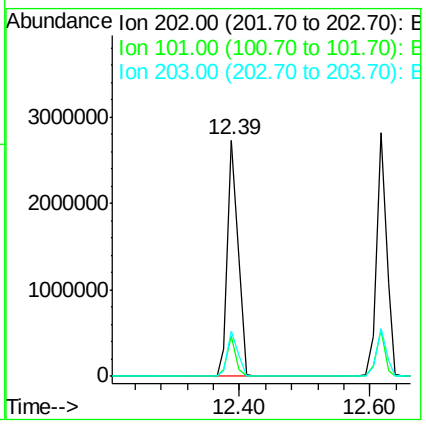




#74
Fluoranthene
Concen: 43.63 ng
RT: 12.39 min Scan# 945
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

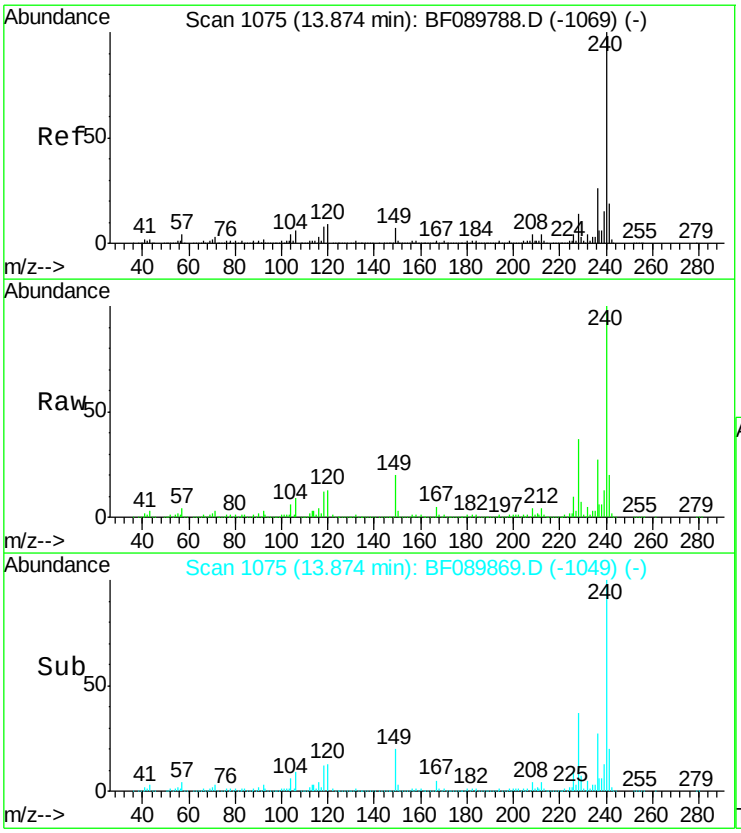
Tgt Ion:202 Resp: 3082103

Ion	Ratio	Lower	Upper
202	100		
101	16.7	0.0	31.2
203	19.1	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
AST-1MS

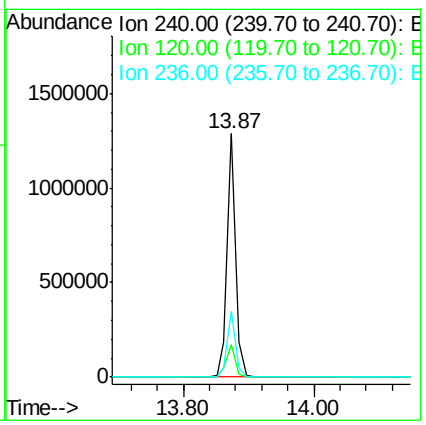
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

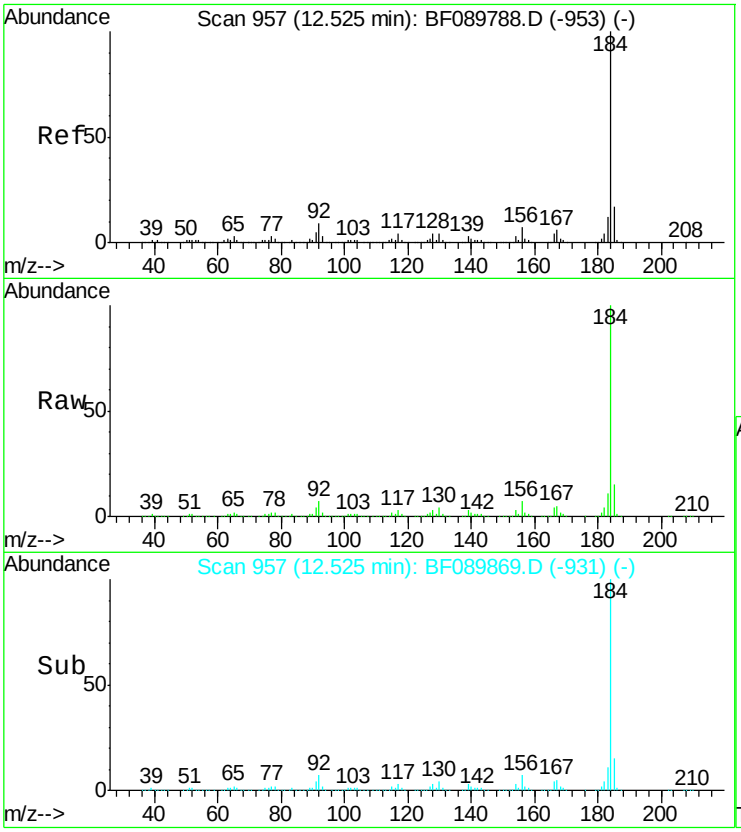


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.87 min Scan# 1075
Delta R.T. 0.00 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:240 Resp: 1167438

Ion	Ratio	Lower	Upper
240	100		
120	13.3	8.3	12.5#
236	27.1	21.3	31.9

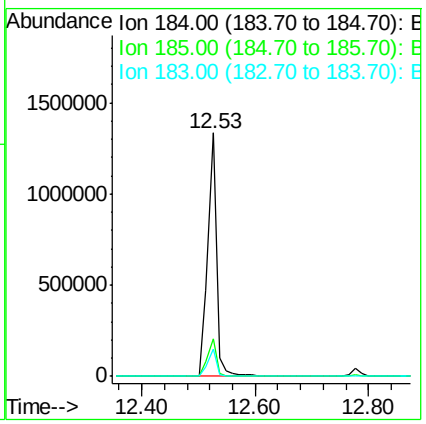




#76
Benzidine
Concen: 36.69 ng
RT: 12.53 min Scan# 957
Delta R.T. 0.00 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

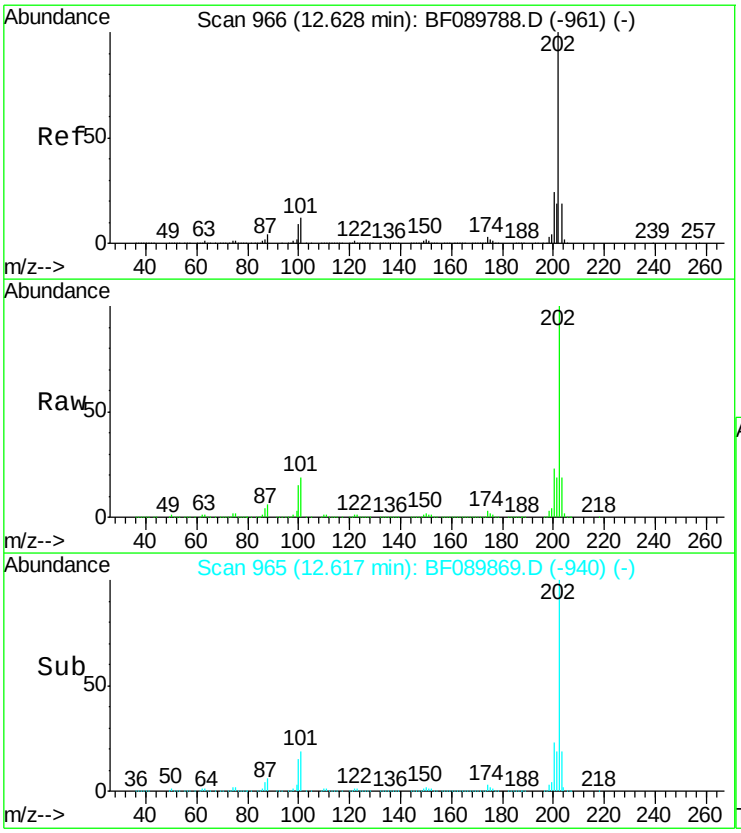
Tgt Ion:184 Resp: 1386296

Ion	Ratio	Lower	Upper
184	100		
185	15.3	13.8	20.8
183	11.4	9.7	14.5



Instrument :
BNA_F
ClientSampleId :
AST-1MS

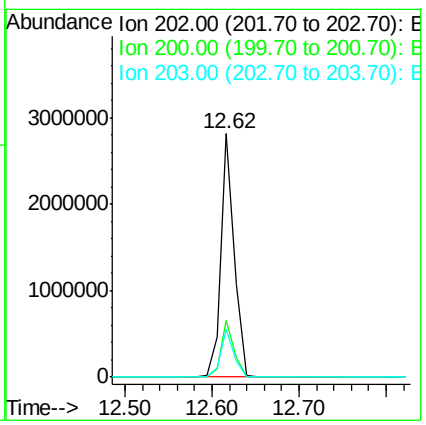
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

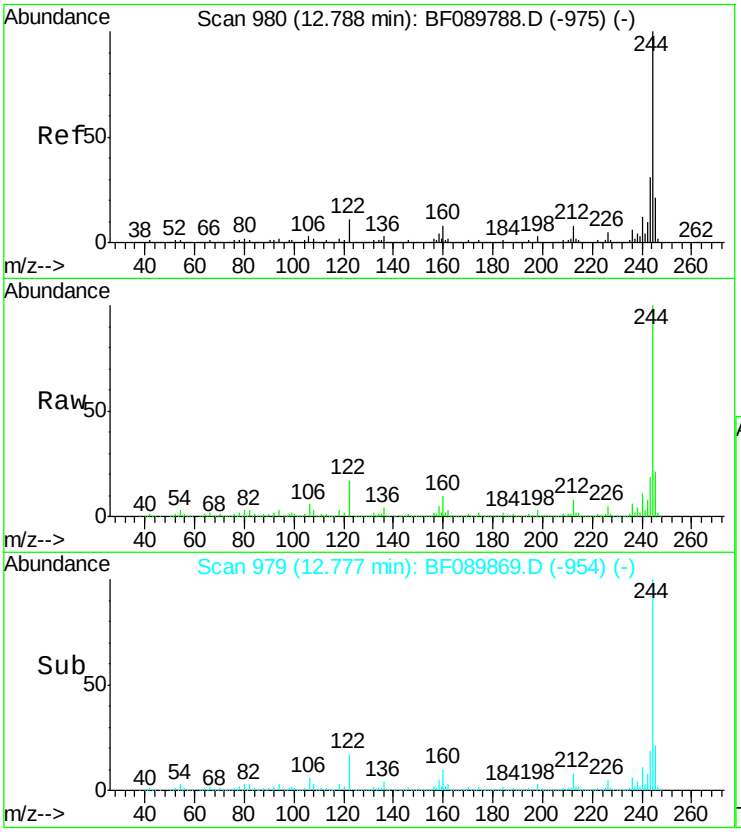


#77
Pyrene
Concen: 31.67 ng
RT: 12.62 min Scan# 965
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:202 Resp: 3010795

Ion	Ratio	Lower	Upper
202	100		
200	23.2	17.8	26.6
203	19.4	14.2	21.4

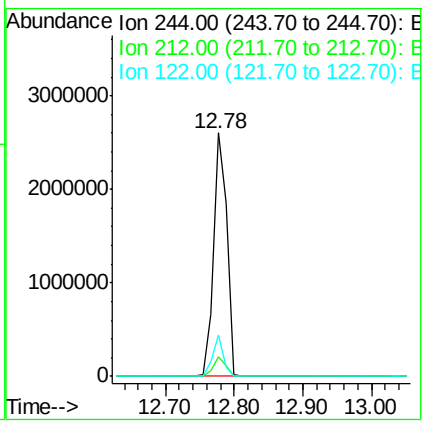




#78
Terphenyl-d14
Concen: 69.11 ng
RT: 12.78 min Scan# 979
Delta R.T. -0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

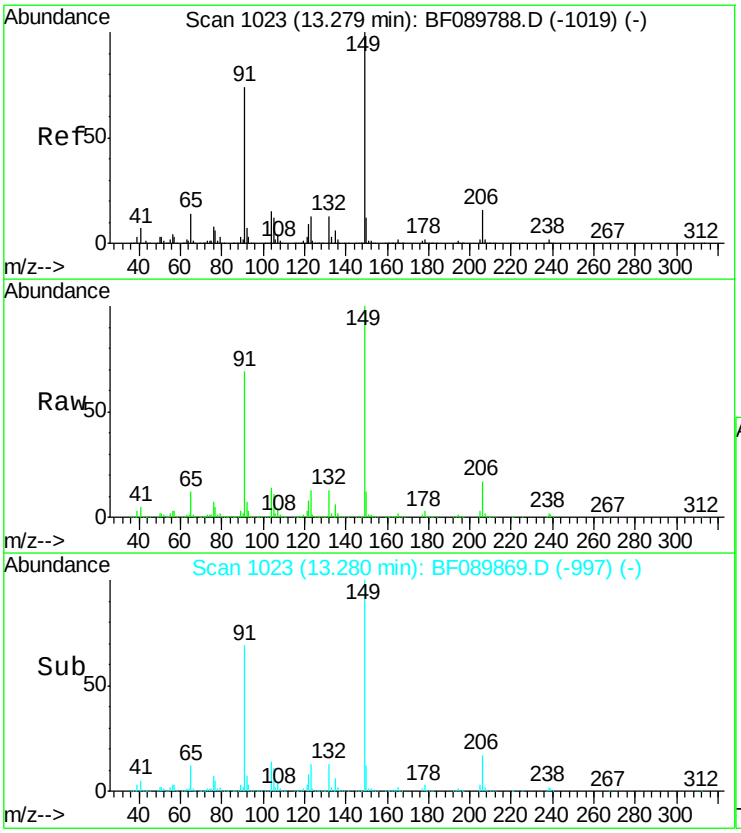
Tgt Ion:244 Resp: 3566204

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.3	9.5
122	16.8	12.0	18.0



Instrument :
BNA_F
ClientSampleId :
AST-1MS

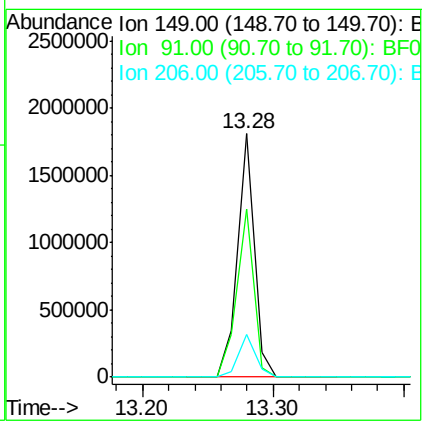
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

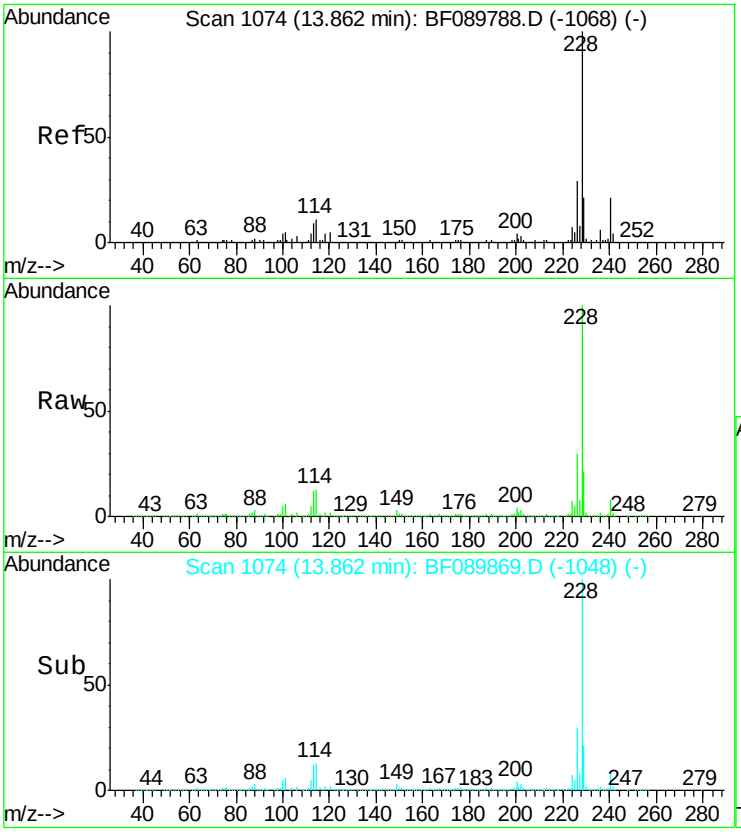


#79
Butylbenzylphthalate
Concen: 37.65 ng
RT: 13.28 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:149 Resp: 1616521

Ion	Ratio	Lower	Upper
149	100		
91	68.8	50.7	76.1
206	17.3	15.5	23.3

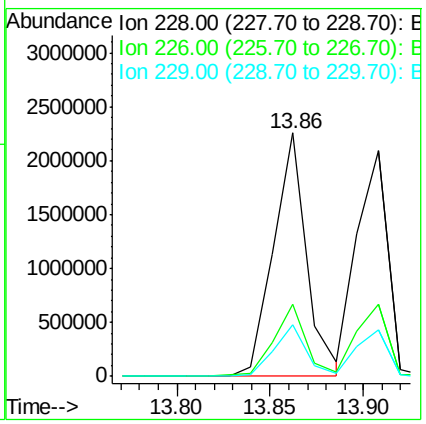




#80
Benzo(a)anthracene
Concen: 41.86 ng
RT: 13.86 min Scan# 1074
Delta R.T. 0.00 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

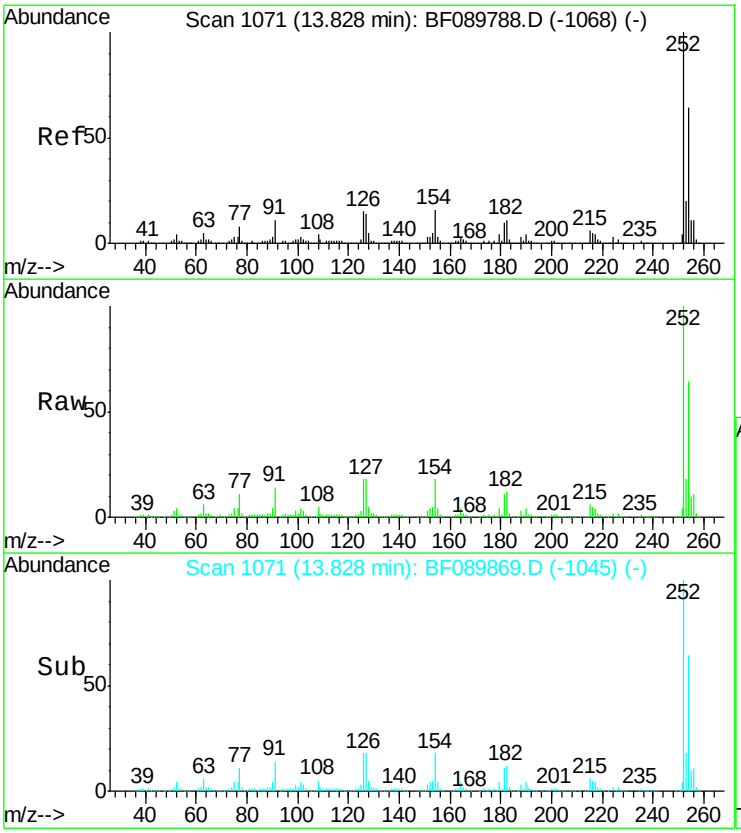
Tgt Ion:228 Resp: 2798506

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.2	34.8
229	21.0	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
AST-1MS

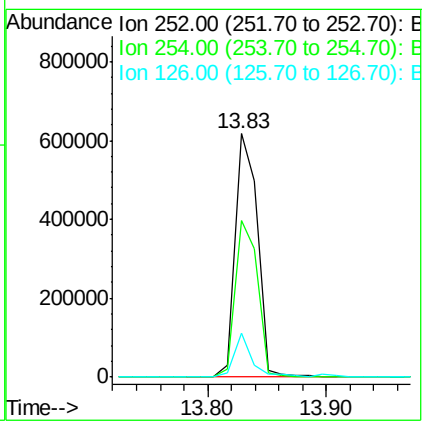
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

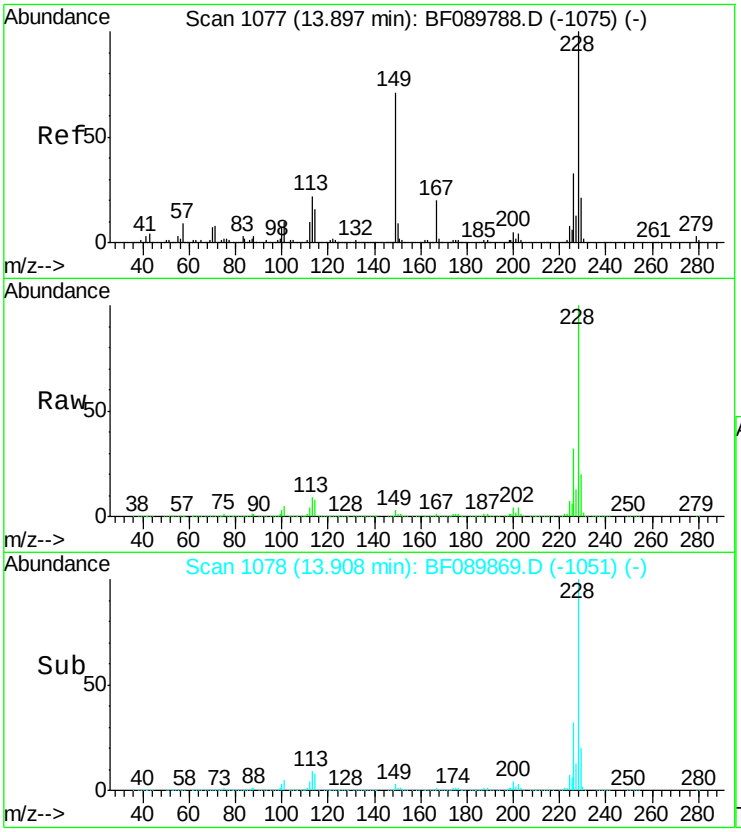


#81
3,3'-Dichlorobenzidine
Concen: 36.89 ng
RT: 13.83 min Scan# 1071
Delta R.T. 0.00 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:252 Resp: 808610

Ion	Ratio	Lower	Upper
252	100		
254	64.5	50.6	75.8
126	17.9	12.6	18.8

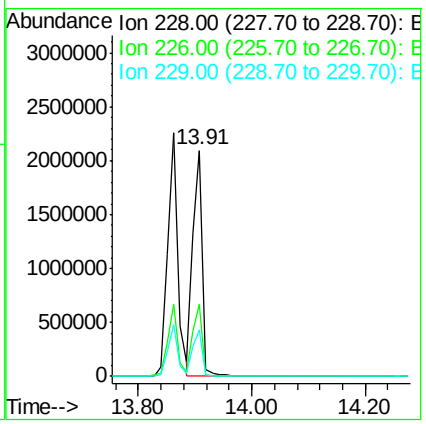




#82
Chrysene
Concen: 42.73 ng
RT: 13.91 min Scan# 1078
Delta R.T. 0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

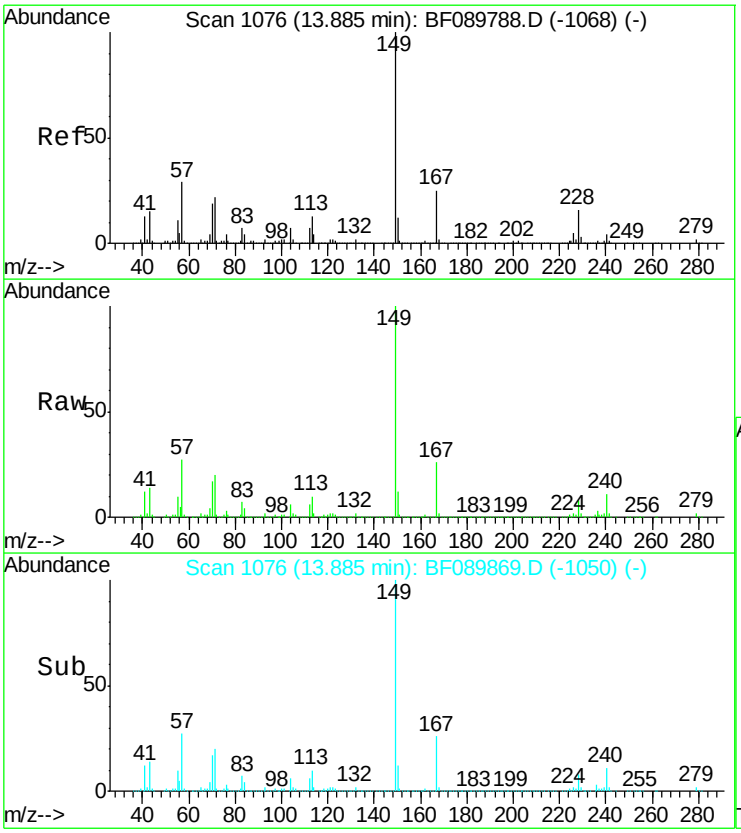
Tgt Ion:228 Resp: 2449026

Ion	Ratio	Lower	Upper
228	100		
226	32.1	25.4	38.0
229	20.3	16.5	24.7



Instrument :
BNA_F
ClientSampleId :
AST-1MS

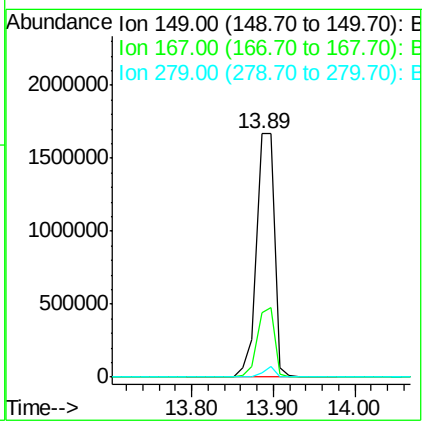
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

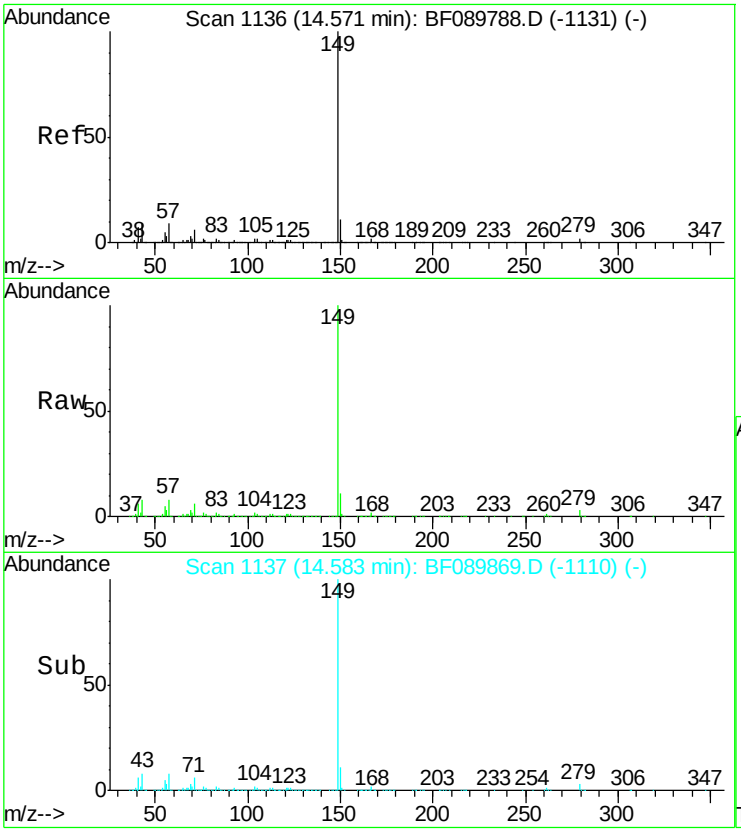


#83
Bis(2-ethylhexyl)phthalate
Concen: 43.54 ng
RT: 13.89 min Scan# 1076
Delta R.T. 0.00 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:149 Resp: 2575355

Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.2	31.8
279	1.8	2.9	4.3#

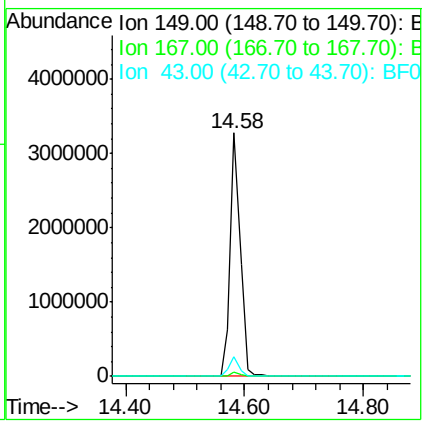




#84
Di-n-octyl phthalate
Concen: 48.75 ng
RT: 14.58 min Scan# 1137
Delta R.T. 0.01 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

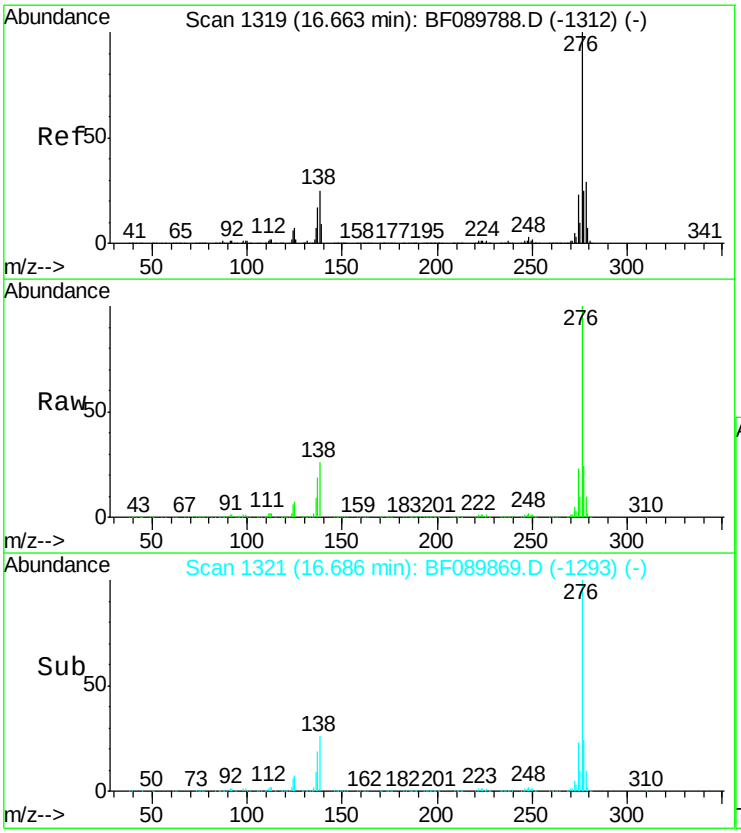
Tgt Ion:149 Resp: 3831538

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	7.8	8.4	12.6#



Instrument :
BNA_F
ClientSampleId :
AST-1MS

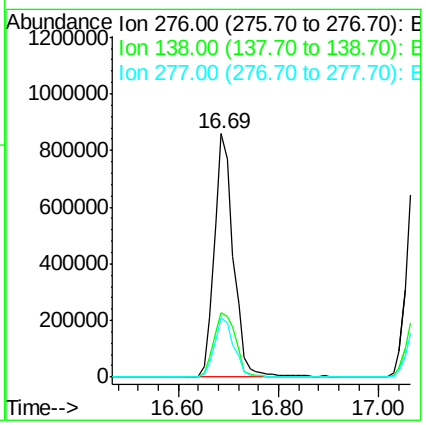
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

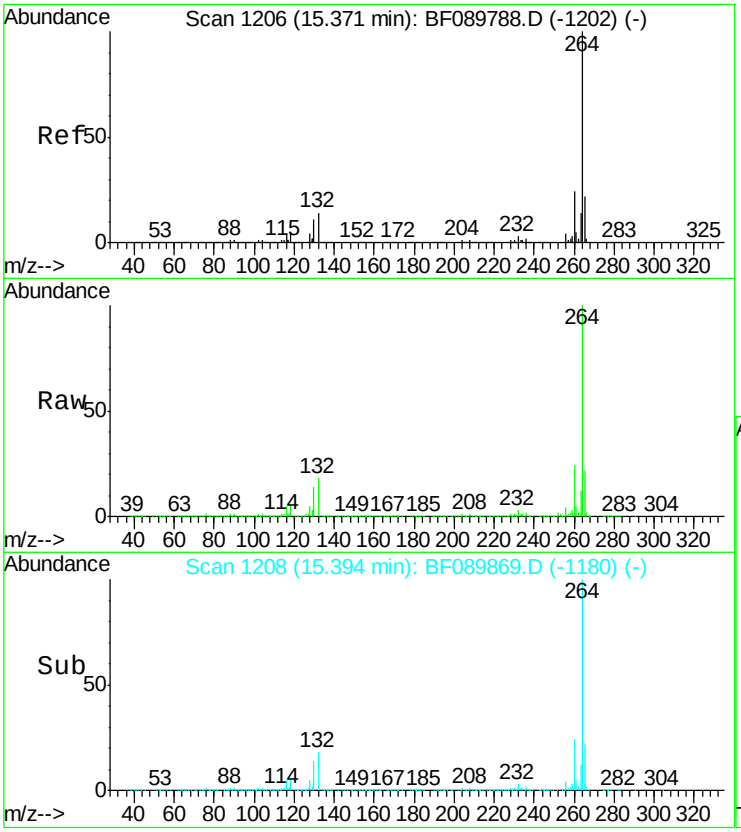


#85
Indeno(1,2,3-cd)pyrene
Concen: 31.14 ng
RT: 16.69 min Scan# 1321
Delta R.T. 0.02 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:276 Resp: 2277243

Ion	Ratio	Lower	Upper
276	100		
138	30.8	24.6	36.8
277	25.5	20.4	30.6

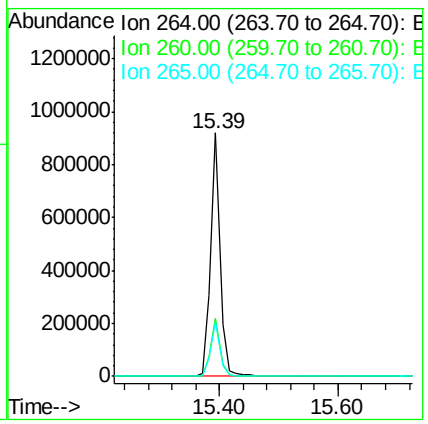




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1208
Delta R.T. 0.02 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

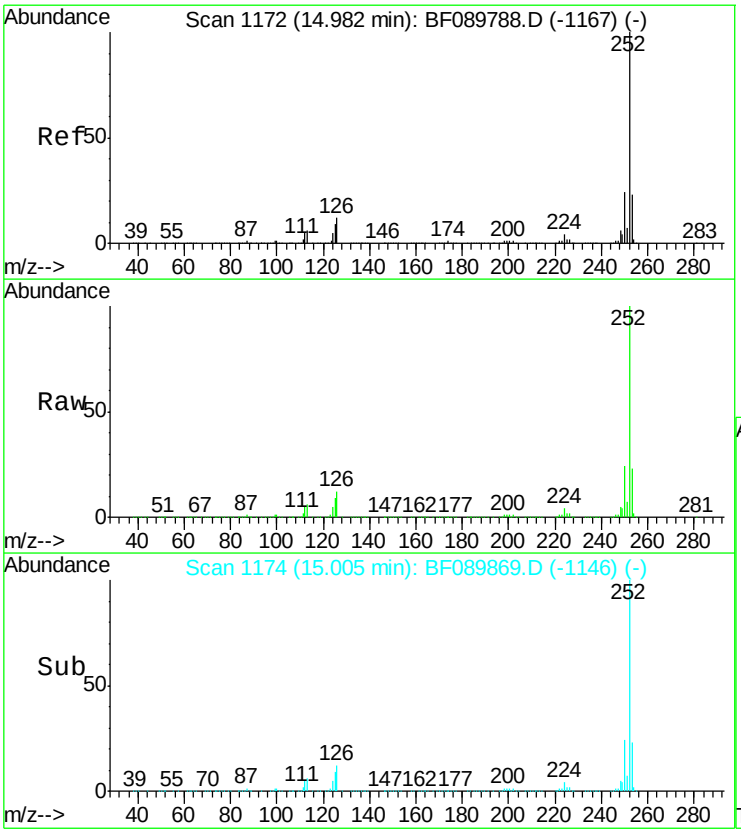
Tgt Ion:264 Resp: 1023726

Ion	Ratio	Lower	Upper
264	100		
260	24.0	20.2	30.2
265	22.0	17.4	26.2



Instrument :
BNA_F
ClientSampleId :
AST-1MS

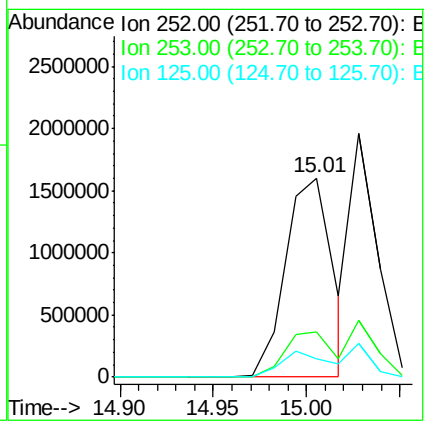
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

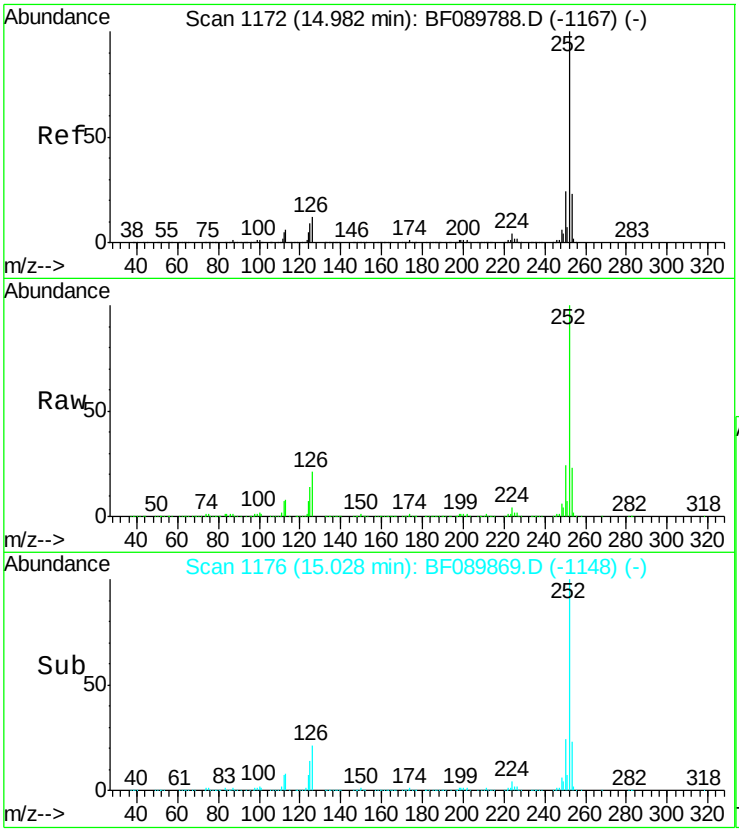


#87
Benzo(b)fluoranthene
Concen: 49.86 ng
RT: 15.01 min Scan# 1174
Delta R.T. 0.02 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:252 Resp: 2808189

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	9.4	11.4	17.2#

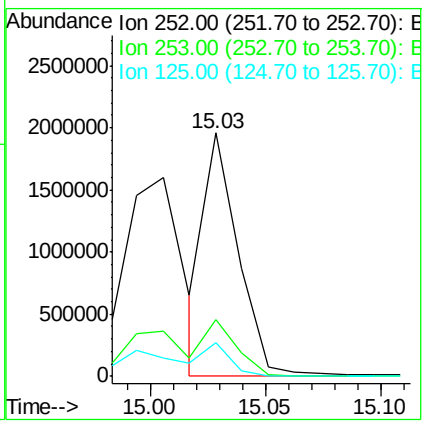




#88
Benzo(k)fluoranthene
Concen: 39.98 ng m
RT: 15.03 min Scan# 1176
Delta R.T. 0.02 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

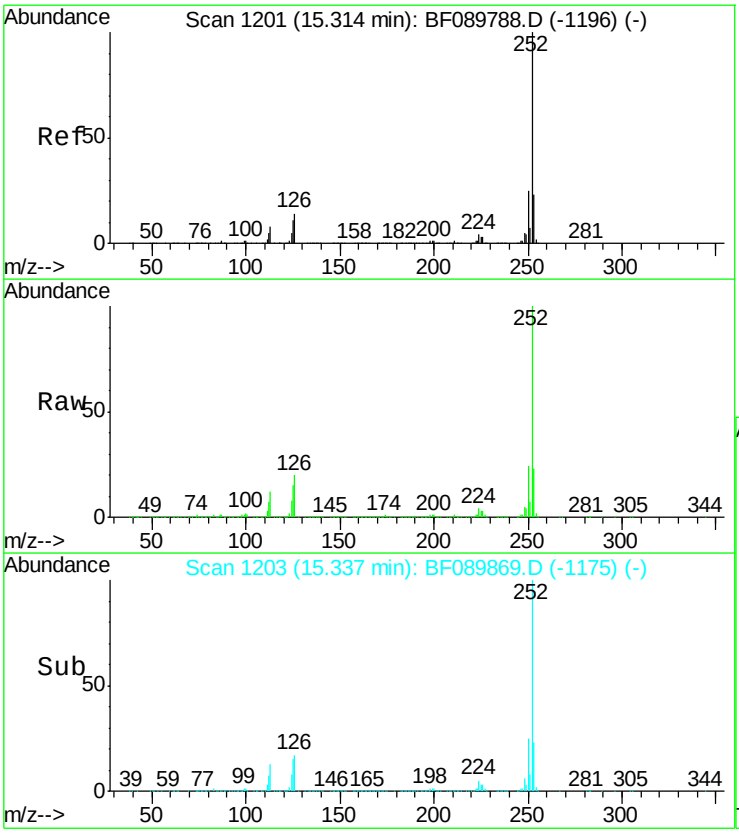
Tgt Ion:252 Resp: 2042911

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	13.9	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
AST-1MS

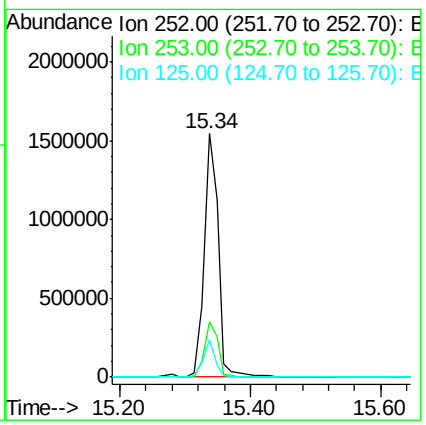
Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM

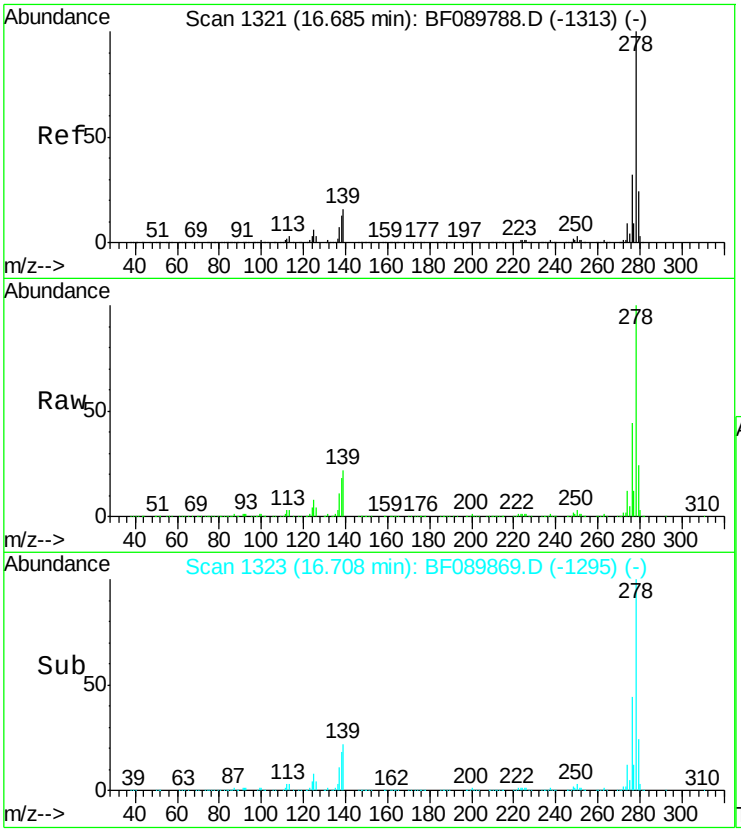


#89
Benzo(a)pyrene
Concen: 42.81 ng
RT: 15.34 min Scan# 1203
Delta R.T. 0.02 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:252 Resp: 2282113

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	15.4	11.7	17.5

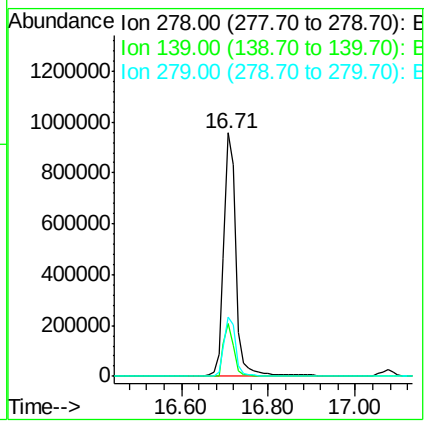




#90
Dibenzo(a,h)anthracene
Concen: 32.72 ng
RT: 16.71 min Scan# 1323
Delta R.T. 0.02 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

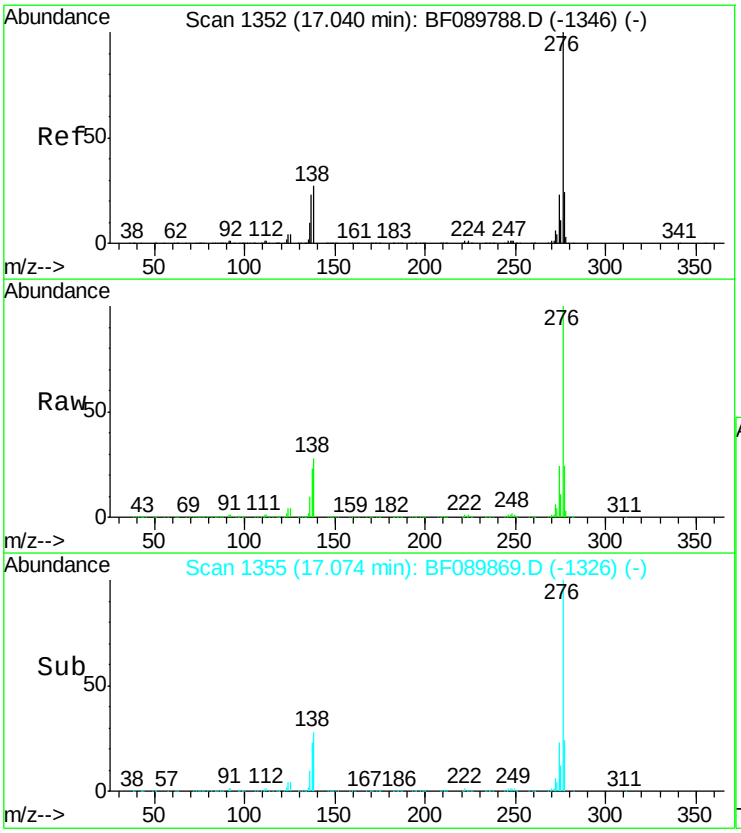
Tgt Ion:278 Resp: 1892870

Ion	Ratio	Lower	Upper
278	100		
139	21.7	14.9	22.3
279	24.4	19.2	28.8



Instrument :
BNA_F
ClientSampleId :
AST-1MS

Manual Integrations APPROVED
umangi
8/25/2016 6:49:02 PM



#91
Benzo(g,h,i)perylene
Concen: 31.42 ng
RT: 17.07 min Scan# 1355
Delta R.T. 0.03 min
Lab File: BF089869.D
Acq: 24 Aug 2016 12:56

Tgt Ion:276 Resp: 1914315

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.2	28.8
138	27.9	22.1	33.1