Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022719\
Data File : BM018955.D
Acq On : 27 Feb 2019 18:34
Operator : JU/SJ
Sample : K1627-04MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-02-(5-10)MSD

Manual Integrations APPROVED
Sohil
2/28/2019 1:33:27 PM

Quant Time: Feb 28 04:13:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 11 16:02:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	240423	20.00	ng		-0.02
21) Naphthalene-d8	10.48	136	1048794	20.00	ng		-0.02
39) Acenaphthene-d10	14.34	164	608653	20.00	ng		-0.02
64) Phenanthrene-d10	17.10	188	1378875	20.00	ng		-0.02
76) Chrysene-d12	21.30	240	1498813	20.00	ng		-0.01
87) Perylene-d12	23.54	264	1309854	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.29	112	2196668	149.70	ng		-0.02
7) Phenol-d6	6.87	99	3308655	160.06	ng		-0.01
23) Nitrobenzene-d5	8.86	82	2135933	94.17	ng		-0.02
42) 2,4,6-Tribromophenol	15.84	330	1366228	155.72	ng		-0.02
45) 2-Fluorobiphenyl	12.96	172	3970560	86.60	ng		-0.02
79) Terphenyl-d14	19.73	244	5883656	80.98	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.24	88	191720	29.998	ng		97
3) Pyridine	3.63	79	638748	36.641	ng		100
4) n-Nitrosodimethylamine	3.56	42	210854	47.545	ng		93
6) Aniline	7.03	93	1068826	42.200	ng		100
8) 2-Chlorophenol	7.26	128	783804	48.652	ng		96
9) Benzaldehyde	6.85	77	375097	31.277	ng		99
10) Phenol	6.90	94	1158306	53.254	ng		98
11) bis(2-Chloroethyl)ether	7.13	93	733297	44.197	ng		99
12) 1,3-Dichlorobenzene	7.57	146	754895	41.672	ng		99
13) 1,4-Dichlorobenzene	7.73	146	778675	42.223	ng		99
14) 1,2-Dichlorobenzene	8.04	146	769581	43.443	ng		98
15) Benzyl Alcohol	7.95	79	808044	49.195	ng		99
16) 2,2'-oxybis(1-Chloropropan	8.22	45	743379	46.292	ng		98
17) 2-Methylphenol	8.14	107	699128	50.502	ng		98
18) Hexachloroethane	8.75	117	292216	43.406	ng		96
19) n-Nitroso-di-n-propylamine	8.50	70	742514	46.392	ng		98
20) 3+4-Methylphenols	8.47	107	963626	50.410	ng		100
22) Acetophenone	8.52	105	1225236	42.540	ng	#	99
24) Nitrobenzene	8.90	77	1048847	44.548	ng		99
25) Isophorone	9.42	82	1857511	51.324	ng		100
26) 2-Nitrophenol	9.60	139	448839	47.870	ng		98
27) 2,4-Dimethylphenol	9.66	122	744126	54.338	ng		99
28) bis(2-Chloroethoxy)methane	9.90	93	1086614	46.429	ng		99
29) 2,4-Dichlorophenol	10.13	162	769826	48.957	ng		99
30) 1,2,4-Trichlorobenzene	10.34	180	788462	43.419	ng		98
31) Naphthalene	10.53	128	2444377	47.788	ng		99
32) Benzoic acid	9.76	122	57945	4.851	ng		86
33) 4-Chloroaniline	10.66	127	675624	29.548	ng		99
34) Hexachlorobutadiene	10.79	225	426994	40.510	ng		99
35) Caprolactam	11.47	113	263707m	41.093	ng		
36) 4-Chloro-3-methylphenol	11.78	107	899194	47.430	ng		99
37) 2-Methylnaphthalene	12.14	142	1817733	50.474	ng		98
38) 1-Methylnaphthalene	12.37	142	1732392	49.193	ng		98
40) 1,2,4,5-Tetrachlorobenzene	12.52	216	866184	44.488	ng		99

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Misc :
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Instrument :
BNA_M
ClientSampleId :
SB-02-(5-10)MSD

Manual Integrations APPROVED
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Quant Time: Feb 28 04:13:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 11 16:02:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.48	237	751092	75.452	ng	100
43) 2,4,6-Trichlorophenol	12.77	196	625266	48.510	ng	98
44) 2,4,5-Trichlorophenol	12.84	196	666074	49.303	ng	98
46) 1,1'-Biphenyl	13.17	154	2328459	44.443	ng	99
47) 2-Chloronaphthalene	13.22	162	1829477	45.210	ng	100
48) 2-Nitroaniline	13.44	65	661788	49.241	ng	98
49) Acenaphthylene	14.07	152	2983682	49.517	ng	99
50) Dimethylphthalate	13.82	163	2507928	49.442	ng	100
51) 2,6-Dinitrotoluene	13.94	165	514582	46.831	ng	99
52) Acenaphthene	14.41	154	1725892	46.712	ng	99
53) 3-Nitroaniline	14.27	138	449376	36.195	ng	98
54) 2,4-Dinitrophenol	14.49	184	457330	66.630	ng	97
55) Dibenzofuran	14.74	168	2796774	46.054	ng	99
56) 4-Nitrophenol	14.59	139	940970	94.942	ng	97
57) 2,4-Dinitrotoluene	14.73	165	732695	48.396	ng	97
58) Fluorene	15.40	166	2302931	49.569	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.97	232	598751	50.141	ng	100
60) Diethylphthalate	15.17	149	2363814	45.176	ng	100
61) 4-Chlorophenyl-phenylether	15.39	204	1121169	43.042	ng	98
62) 4-Nitroaniline	15.44	138	538174	44.215	ng	98
63) Azobenzene	15.69	77	2595985	46.271	ng	100
65) 4,6-Dinitro-2-methylphenol	15.49	198	384563	39.723	ng	99
66) n-Nitrosodiphenylamine	15.62	169	1981192	45.478	ng	100
67) 4-Bromophenyl-phenylether	16.29	248	668601	43.320	ng	97
68) Hexachlorobenzene	16.39	284	802532	44.735	ng	97
69) Atrazine	16.57	200	619441	44.105	ng	99
70) Pentachlorophenol	16.74	266	1041533	90.168	ng	100
71) Phenanthrene	17.14	178	3630277	48.990	ng	99
72) Anthracene	17.23	178	3700099	51.300	ng	100
73) Carbazole	17.51	167	3385717	44.930	ng	99
74) Di-n-butylphthalate	18.06	149	4251207	49.054	ng	100
75) Fluoranthene	19.16	202	4345846	50.770	ng	98
77) Benzidine	19.37	184	2776402	82.251	ng	100
78) Pyrene	19.53	202	4449981	51.120	ng	100
80) Butylbenzylphthalate	20.43	149	2131359	53.725	ng	97
81) Benzo(a)anthracene	21.28	228	4323980	49.491	ng	100
82) 3,3'-Dichlorobenzidine	21.22	252	1499860	43.437	ng	99
83) Chrysene	21.33	228	4032354	48.152	ng	100
84) Bis(2-ethylhexyl)phthalate	21.20	149	3113123	53.615	ng	99
85) Di-n-octyl phthalate	22.08	149	5355532	54.878	ng	100
86) Indeno(1,2,3-cd)pyrene	25.84	276	3920815	40.553	ng	100
88) Benzo(b)fluoranthene	22.87	252	3958457	52.820	ng	100
89) Benzo(k)fluoranthene	22.91	252	3779564	50.658	ng	100
90) Benzo(a)pyrene	23.45	252	3612619	50.886	ng	99
91) Dibenzo(a,h)anthracene	25.84	278	3345711	47.567	ng	100
92) Benzo(g,h,i)perylene	26.54	276	3148718	48.085	ng	99

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

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QLast Update : Mon Feb 11 16:02:12 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SB-02-(5-10)MSD

Manual Integrations APPROVED
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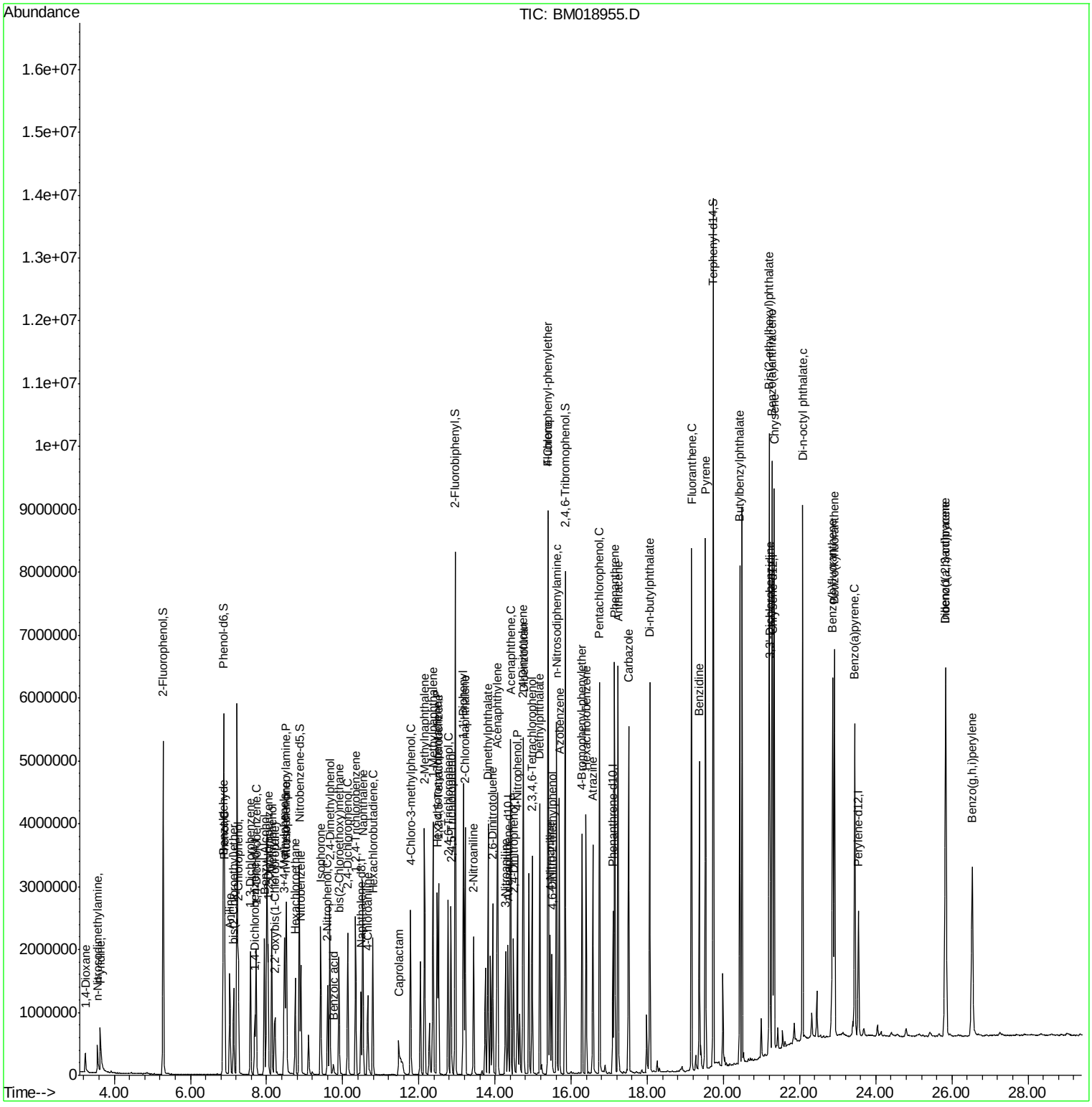
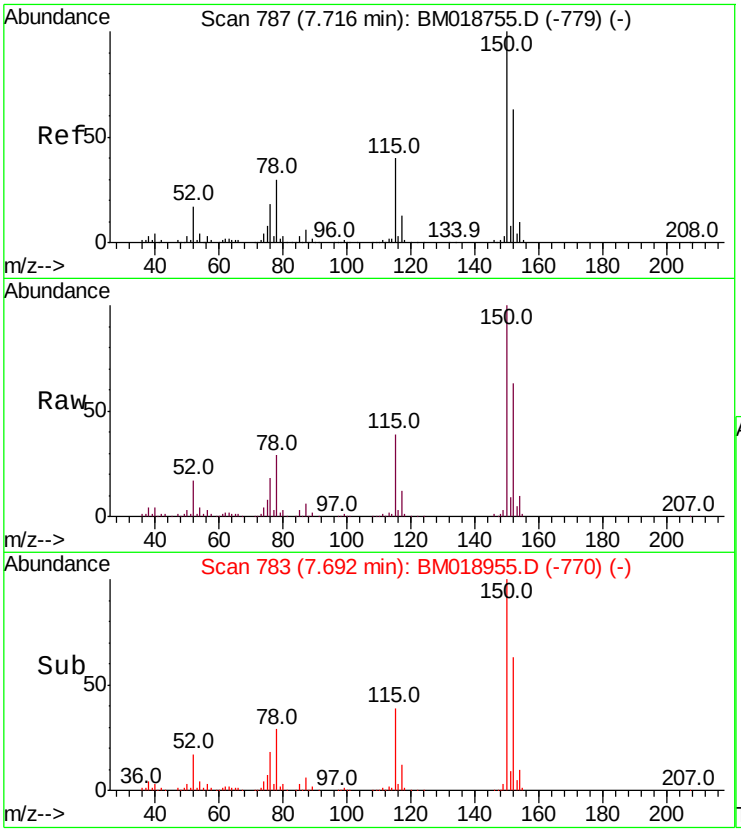
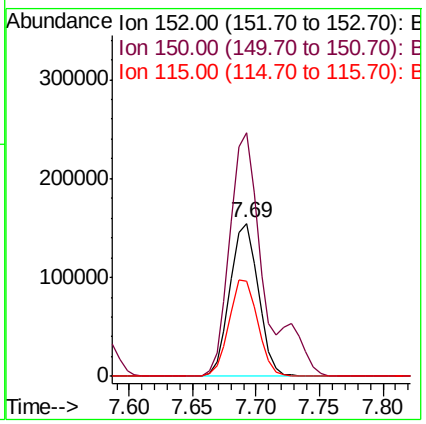




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 783
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:152 Resp: 240423

Ion	Ratio	Lower	Upper
152	100		
150	159.1	127.3	190.9
115	62.4	50.8	76.2



Instrument :
BNA_M
ClientSampleId :
SB-02-(5-10)MSD

Manual Integrations APPROVED
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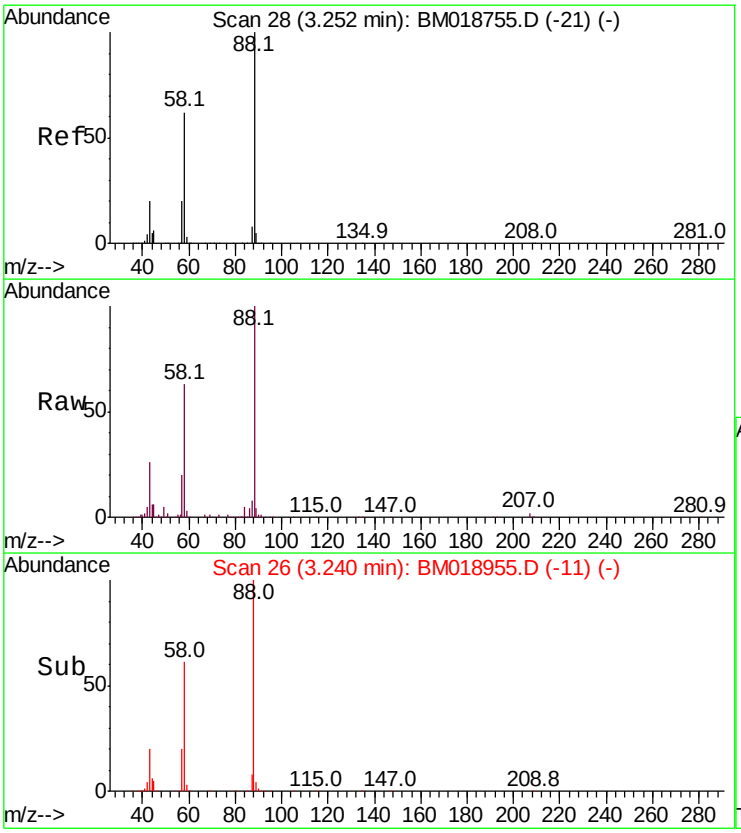
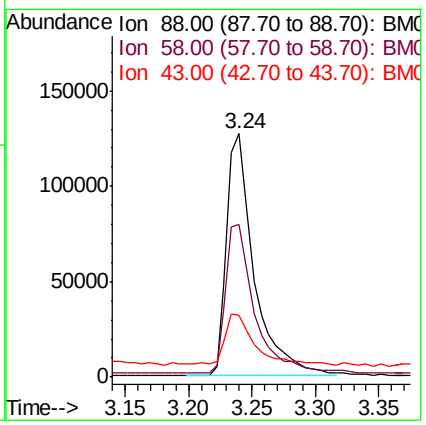
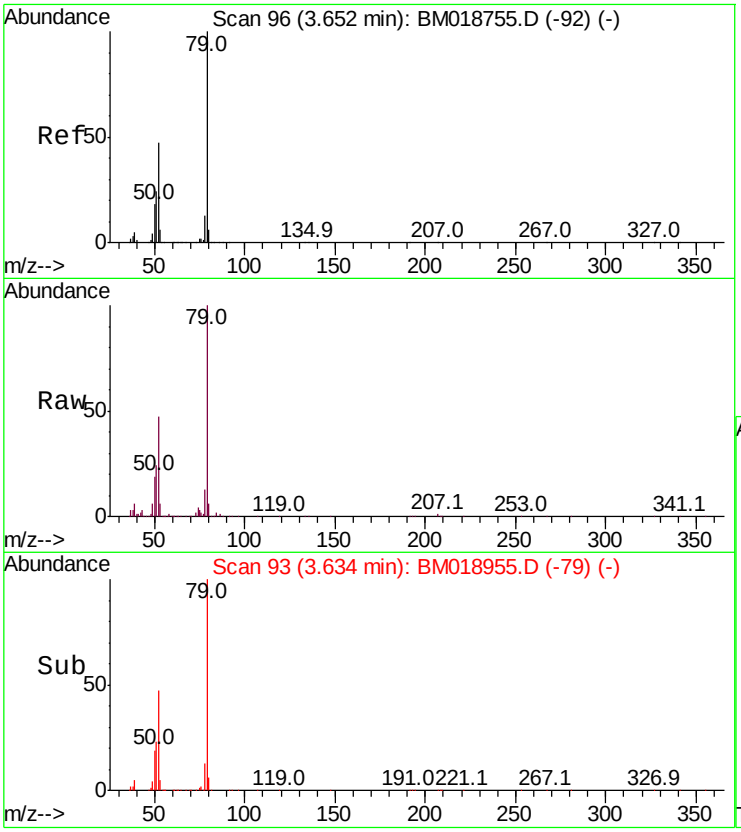


#2
1,4-Dioxane
Concen: 29.998 ng
RT: 3.24 min Scan# 26
Delta R.T. -0.01 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion: 88 Resp: 191720

Ion	Ratio	Lower	Upper
88	100		
58	64.1	49.8	74.6
43	22.4	16.7	25.1

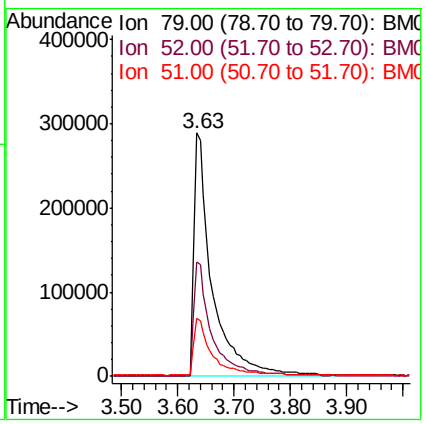




#3
Pyridine
Concen: 36.641 ng
RT: 3.63 min Scan# 93
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion: 79 Resp: 638748

Ion	Ratio	Lower	Upper
79	100		
52	47.0	37.6	56.4
51	24.1	19.7	29.5



Instrument :
BNA_M
ClientSampleId :
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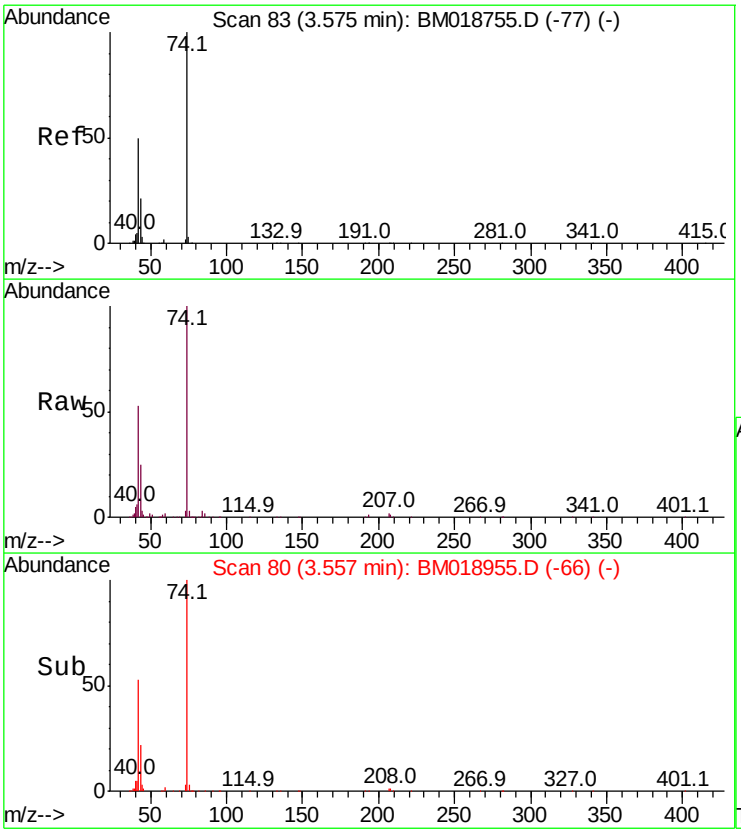
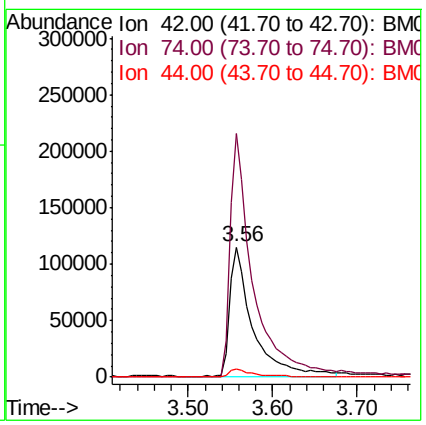
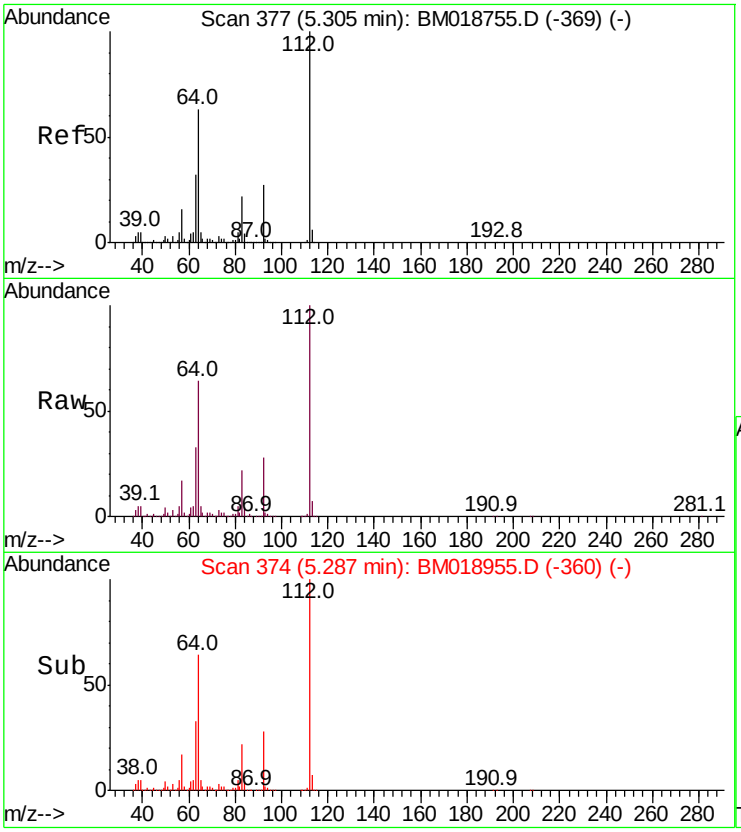


#4
n-Nitrosodimethylamine
Concen: 47.545 ng
RT: 3.56 min Scan# 80
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion: 42 Resp: 210854

Ion	Ratio	Lower	Upper
42	100		
74	187.2	158.1	237.1
44	5.9	4.9	7.3

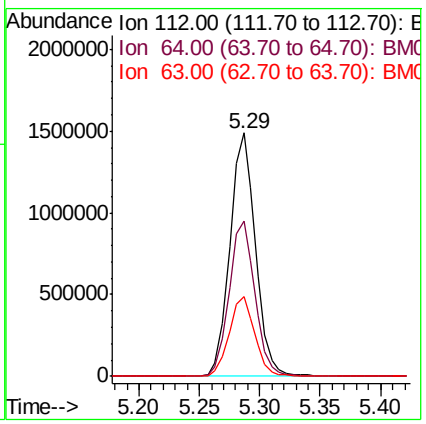




#5
2-Fluorophenol
Concen: 149.702 ng
RT: 5.29 min Scan# 374
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:112 Resp: 2196668

Ion	Ratio	Lower	Upper
112	100		
64	63.6	50.6	75.8
63	32.5	25.7	38.5



Instrument :
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ClientSampleId :
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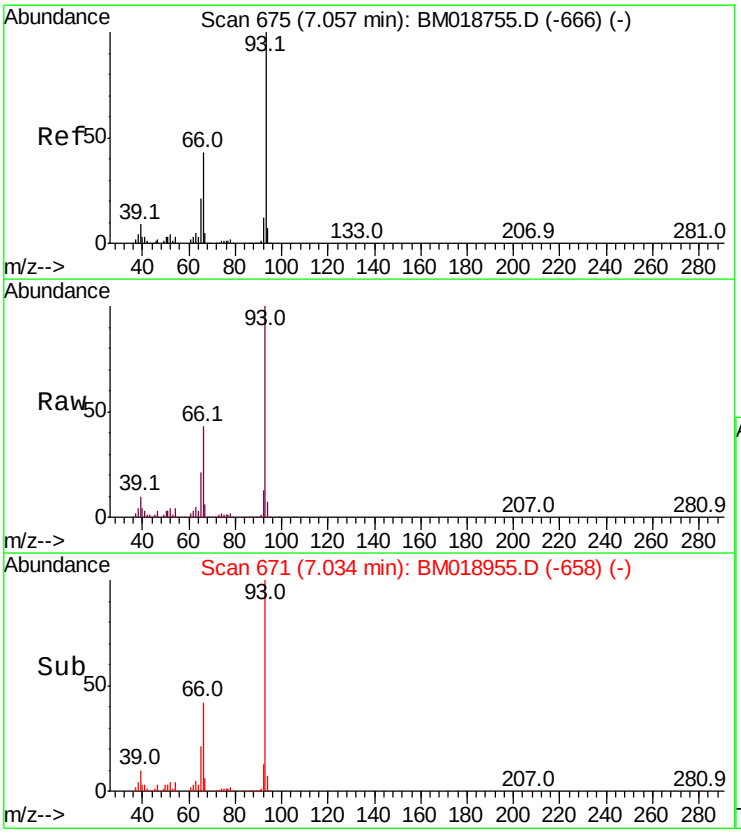
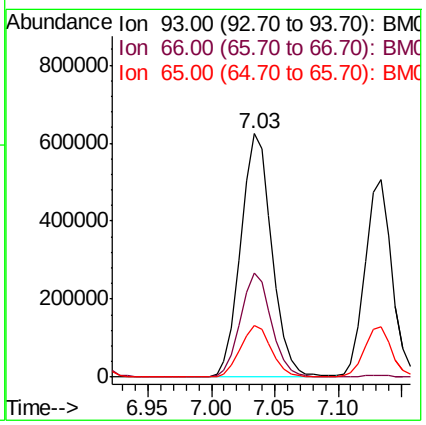
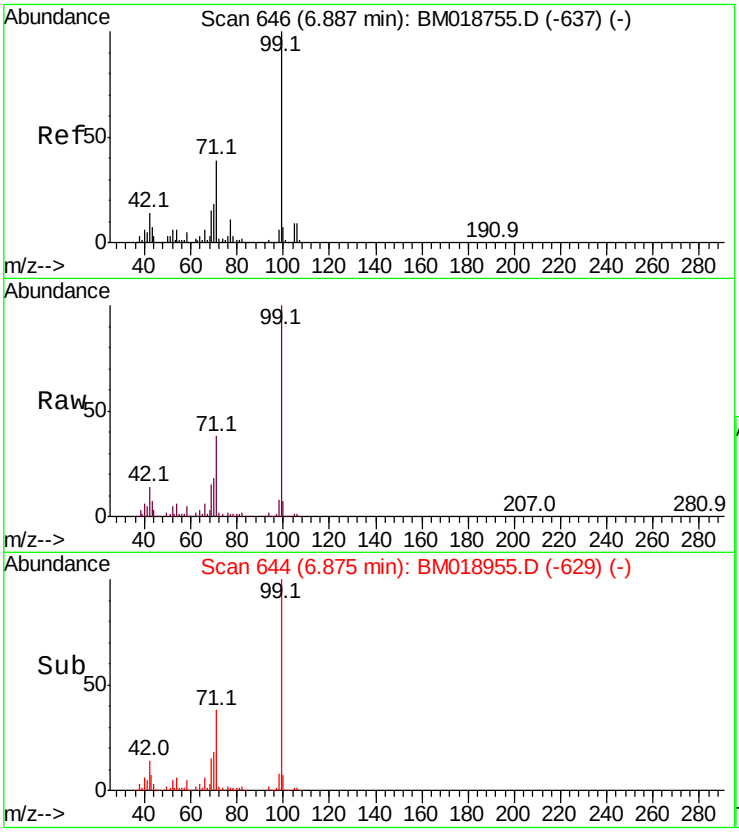


#6
Aniline
Concen: 42.200 ng
RT: 7.03 min Scan# 671
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion: 93 Resp: 1068826

Ion	Ratio	Lower	Upper
93	100		
66	42.5	34.1	51.1
65	21.2	16.6	24.8

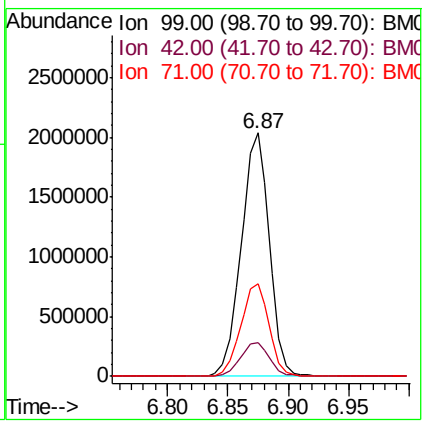




#7
Phenol-d6
Concen: 160.059 ng
RT: 6.87 min Scan# 644
Delta R.T. -0.01 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion: 99 Resp: 3308655

Ion	Ratio	Lower	Upper
99	100		
42	14.0	11.0	16.6
71	38.1	31.3	46.9



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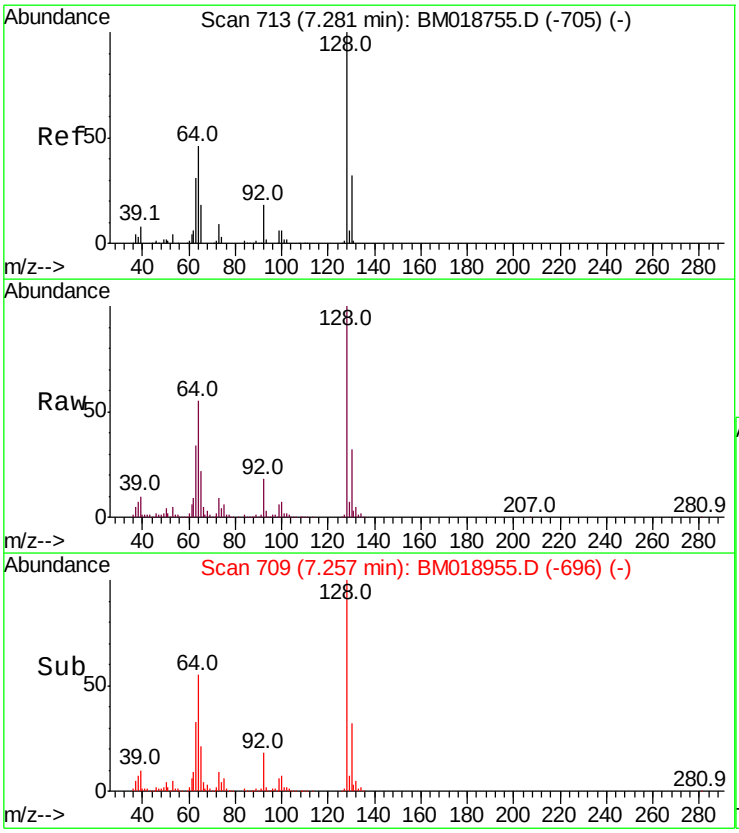
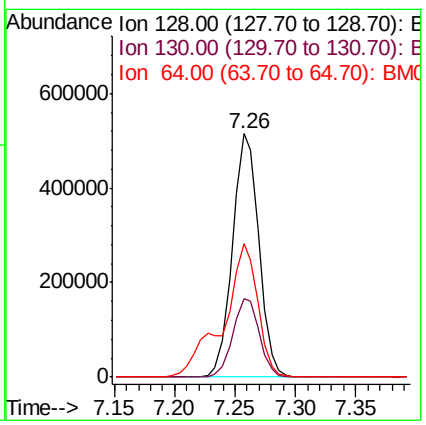
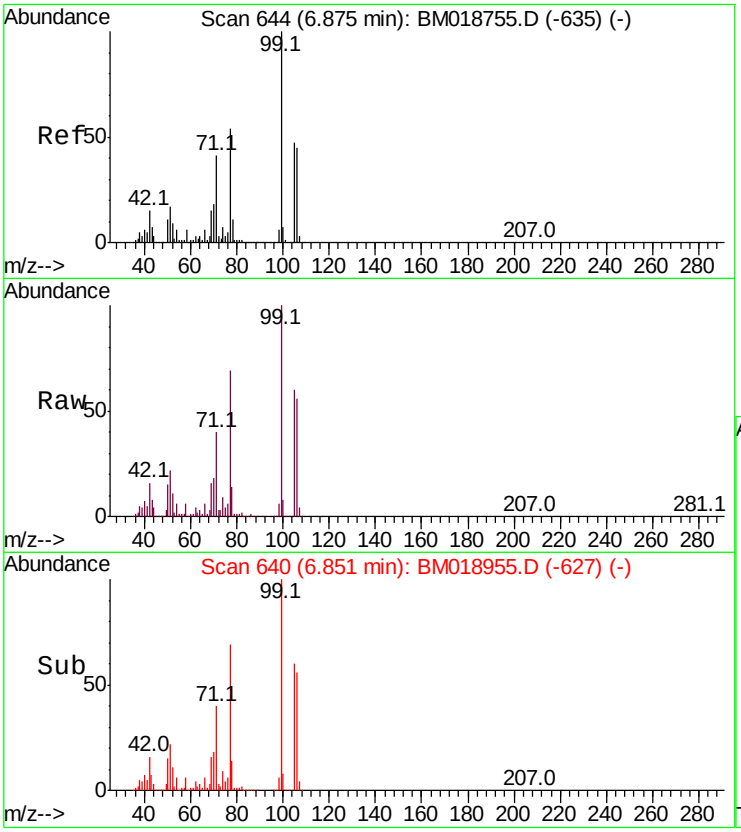


#8
2-Chlorophenol
Concen: 48.652 ng
RT: 7.26 min Scan# 709
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:128 Resp: 783804

Ion	Ratio	Lower	Upper
128	100		
130	32.2	11.7	51.7
64	54.7	31.0	71.0

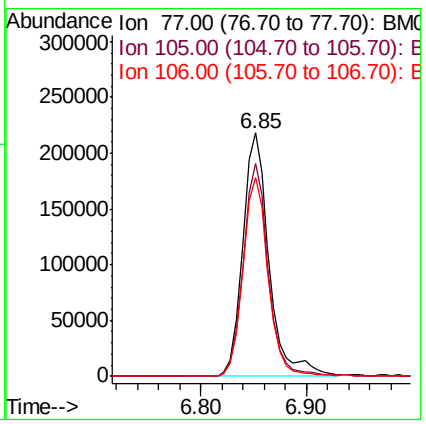




#9
Benzaldehyde
Concen: 31.277 ng
RT: 6.85 min Scan# 640
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion: 77 Resp: 375097

Ion	Ratio	Lower	Upper
77	100		
105	87.7	67.3	107.3
106	81.7	62.9	102.9



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ClientSampleId :
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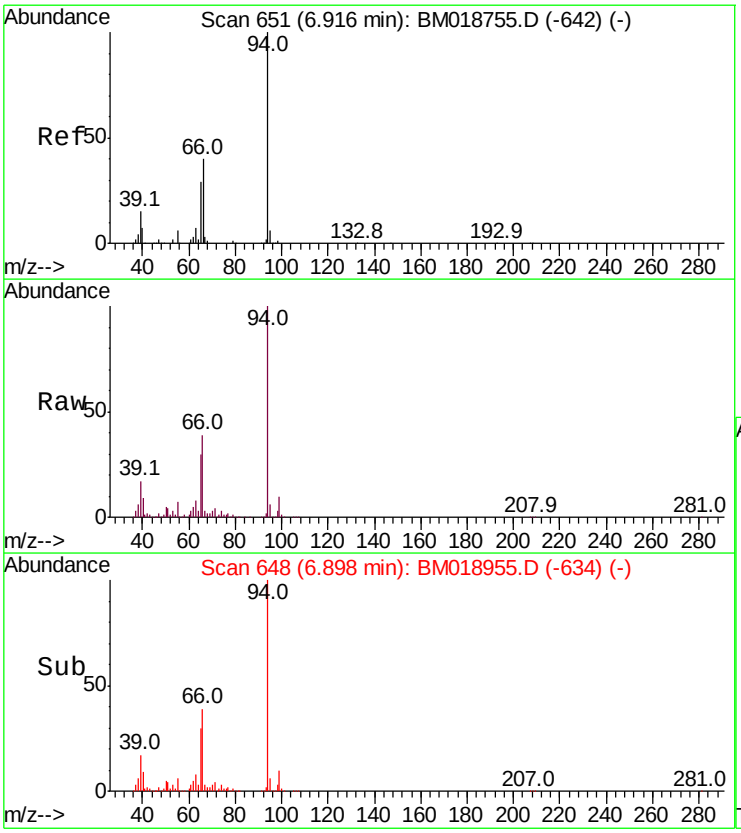
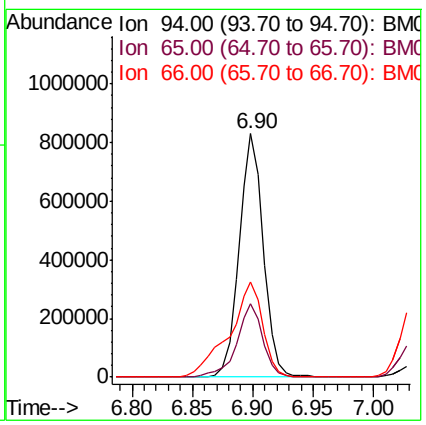
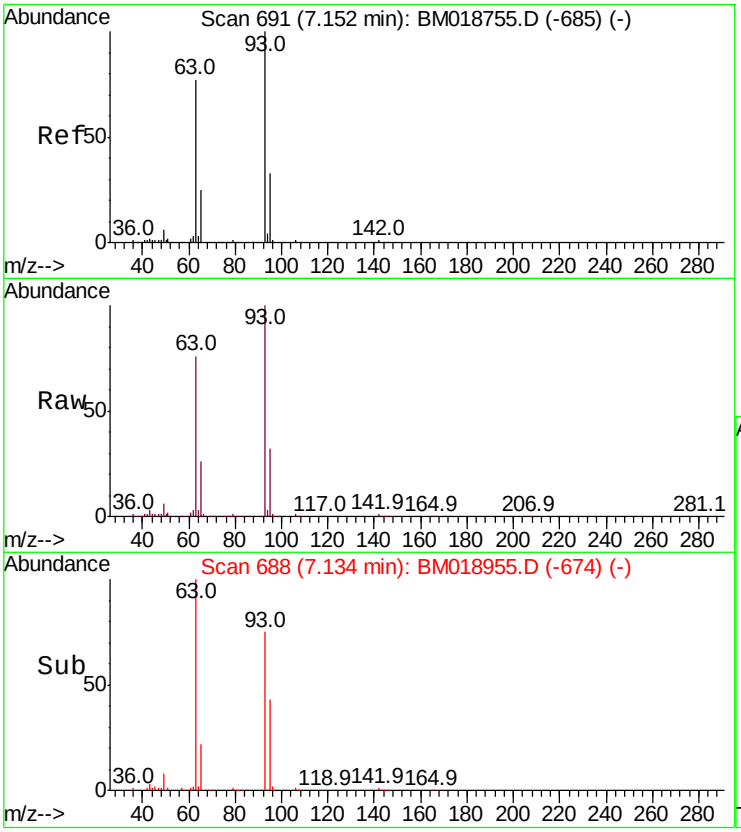


#10
Phenol
Concen: 53.254 ng
RT: 6.90 min Scan# 648
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion: 94 Resp: 1158306

Ion	Ratio	Lower	Upper
94	100		
65	30.2	9.6	49.6
66	38.9	20.4	60.4

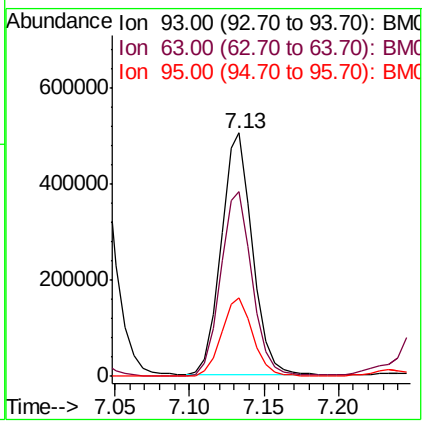




#11
bis(2-Chloroethyl)ether
Concen: 44.197 ng
RT: 7.13 min Scan# 688
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion: 93 Resp: 733297

Ion	Ratio	Lower	Upper
93	100		
63	75.8	57.0	97.0
95	32.0	12.4	52.4



Instrument :
BNA_M
ClientSampleId :
SB-02-(5-10)MSD

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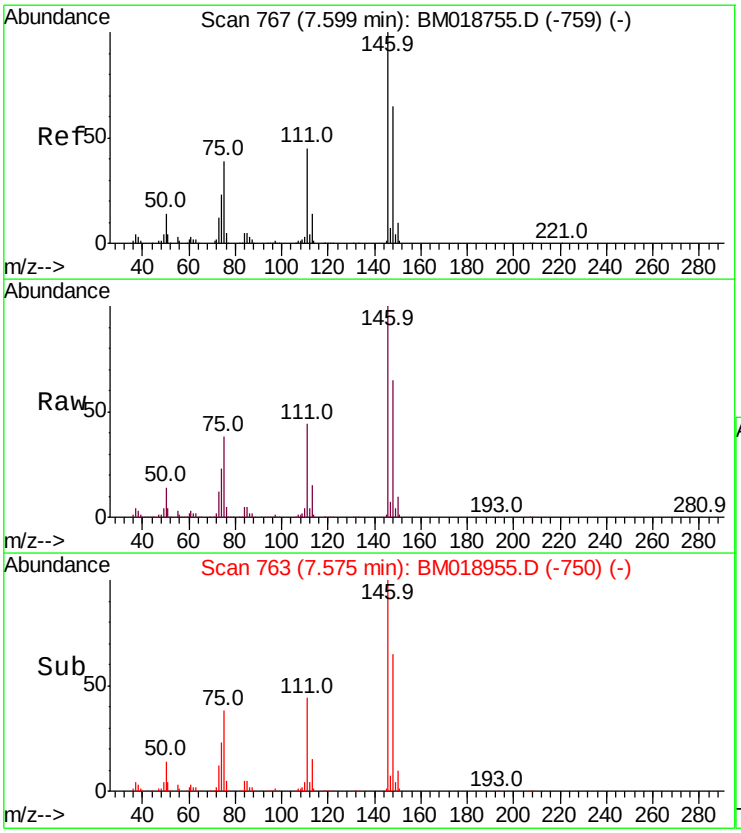
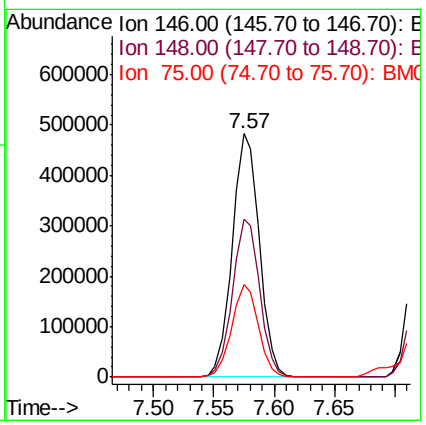
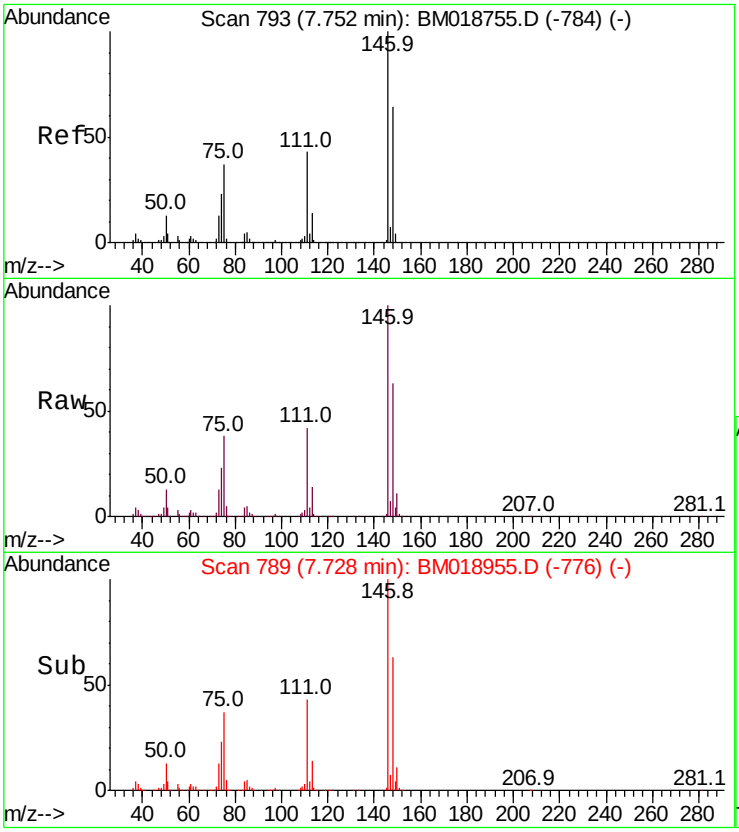


#12
1,3-Dichlorobenzene
Concen: 41.672 ng
RT: 7.57 min Scan# 763
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:146 Resp: 754895

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.7	77.5
75	38.2	31.3	46.9

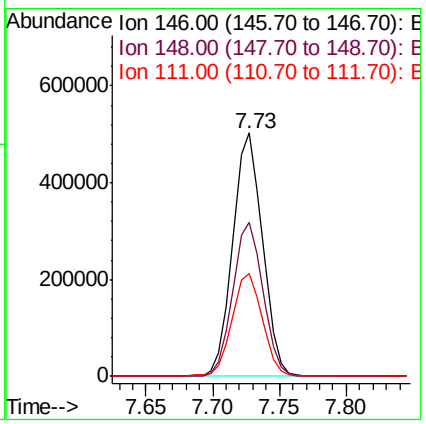




#13
1,4-Dichlorobenzene
Concen: 42.223 ng
RT: 7.73 min Scan# 789
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:146 Resp: 778675

Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.4	77.2
111	42.5	34.6	52.0



Instrument :
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ClientSampleId :
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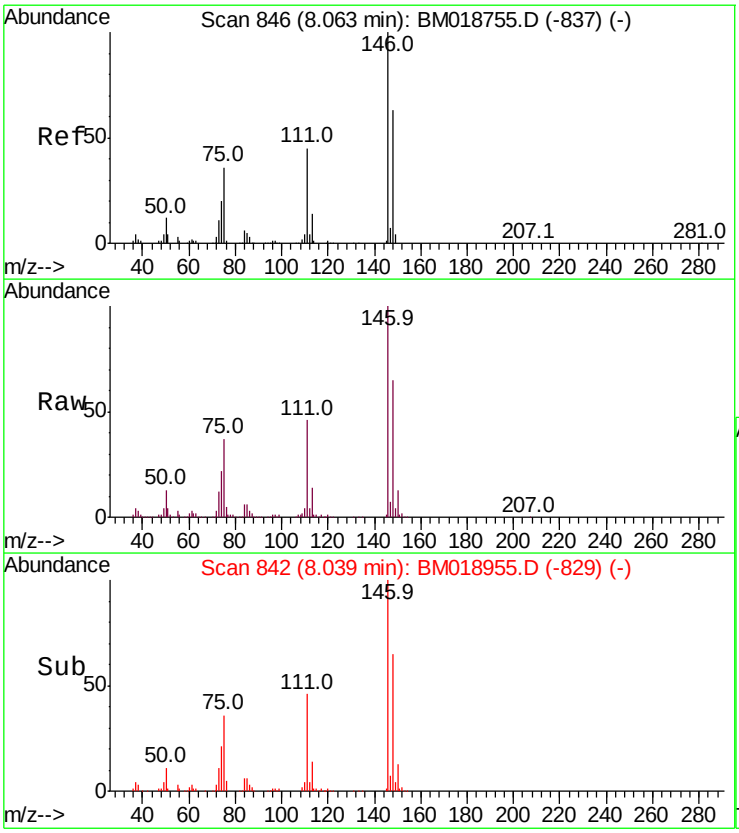
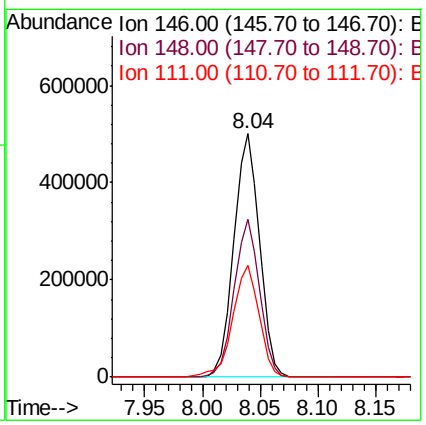
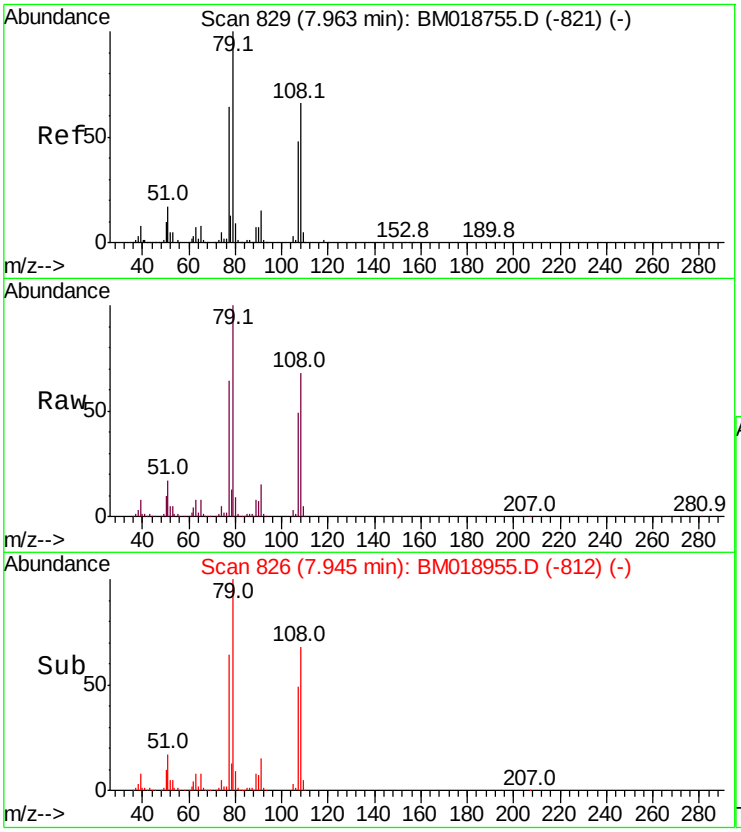


#14
1,2-Dichlorobenzene
Concen: 43.443 ng
RT: 8.04 min Scan# 842
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:146 Resp: 769581

Ion	Ratio	Lower	Upper
146	100		
148	64.9	50.7	76.1
111	45.7	35.9	53.9

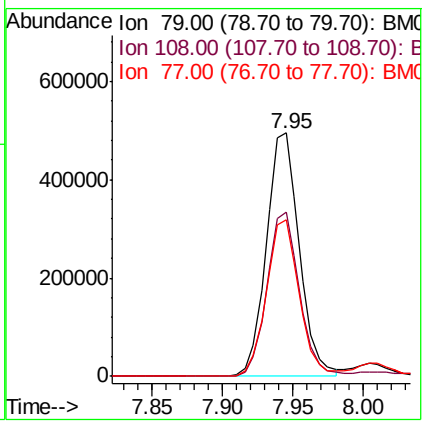




#15
Benzyl Alcohol
Concen: 49.195 ng
RT: 7.95 min Scan# 826
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion: 79 Resp: 808044

Ion	Ratio	Lower	Upper
79	100		
108	67.5	52.7	79.1
77	64.2	51.0	76.4



Instrument :
BNA_M
ClientSampleId :
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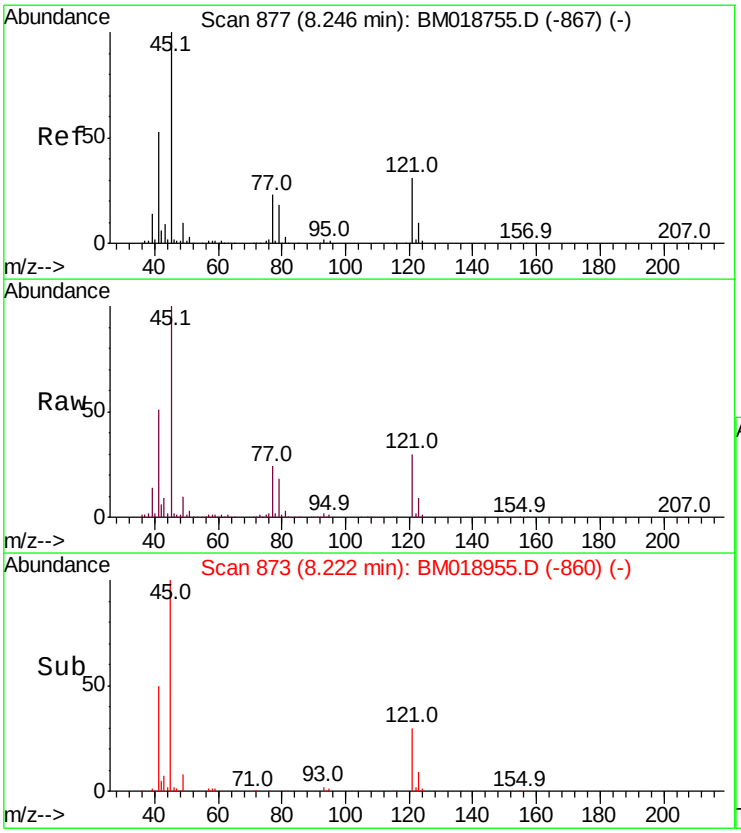
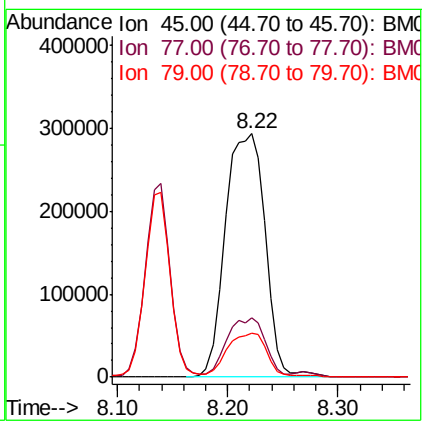
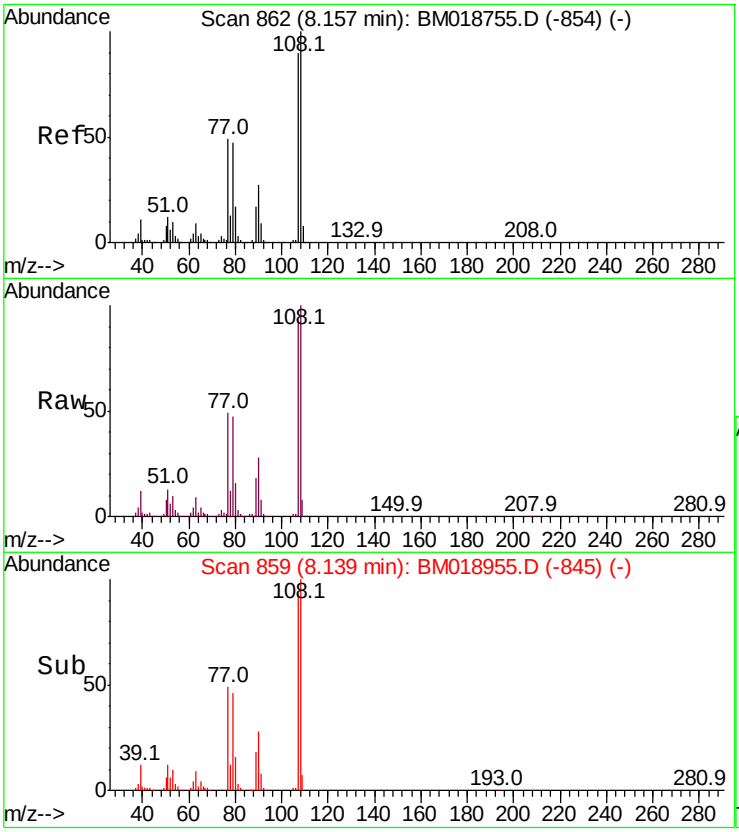


#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.292 ng
RT: 8.22 min Scan# 873
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion: 45 Resp: 743379

Ion	Ratio	Lower	Upper
45	100		
77	24.1	5.0	45.0
79	18.2	0.0	39.3

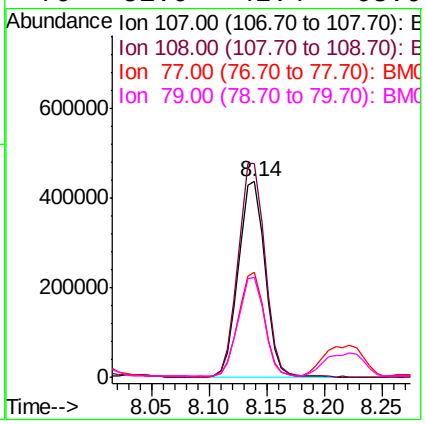




#17
2-Methylphenol
Concen: 50.502 ng
RT: 8.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:107 Resp: 699128

Ion	Ratio	Lower	Upper
107	100		
108	109.3	88.8	133.2
77	53.5	44.0	66.0
79	51.0	42.4	63.6



Instrument :
BNA_M
ClientSampleId :
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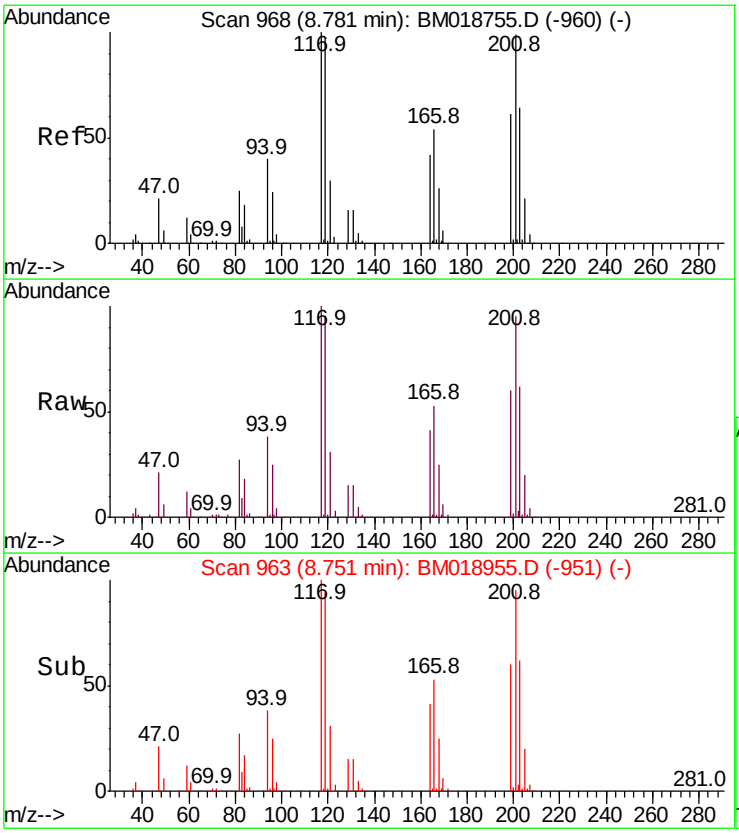
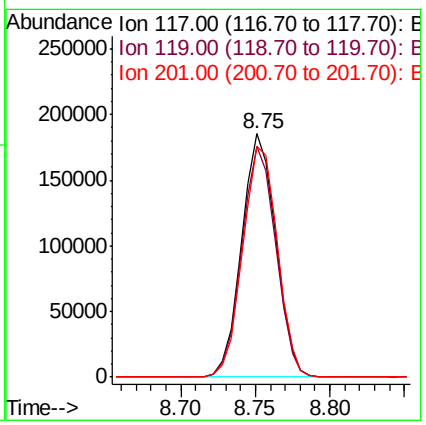
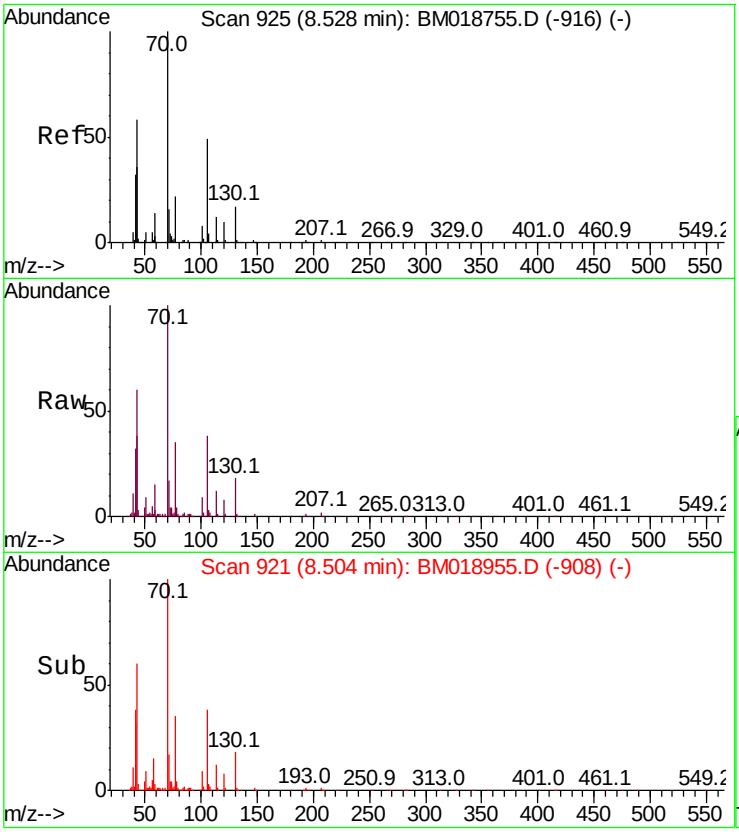


#18
Hexachloroethane
Concen: 43.406 ng
RT: 8.75 min Scan# 963
Delta R.T. -0.03 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:117 Resp: 292216

Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.9	116.9
201	94.7	79.2	118.8

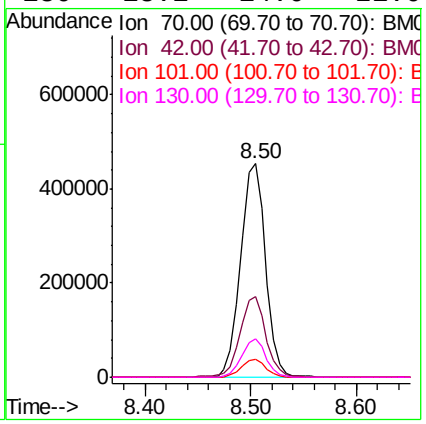




#19
n-Nitroso-di-n-propylamine
Concen: 46.392 ng
RT: 8.50 min Scan# 921
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion: 70 Resp: 742514

Ion	Ratio	Lower	Upper
70	100		
42	37.9	29.4	44.0
101	8.7	6.7	10.1
130	18.1	14.0	21.0



Instrument :
BNA_M
ClientSampleId :
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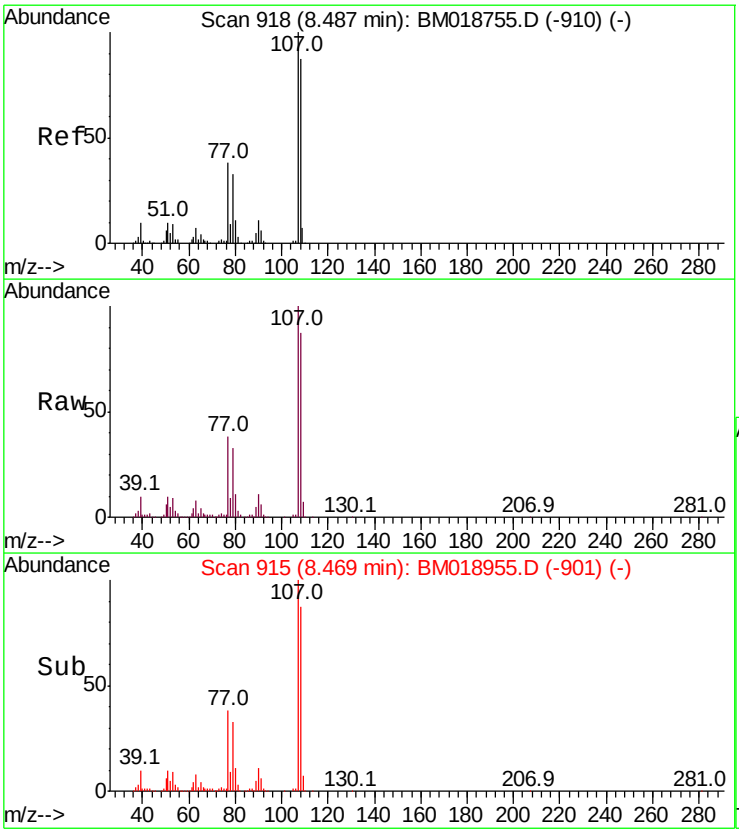
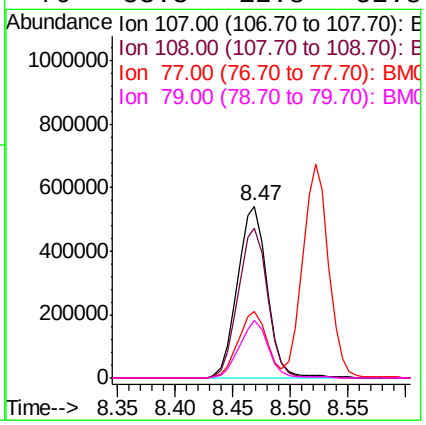
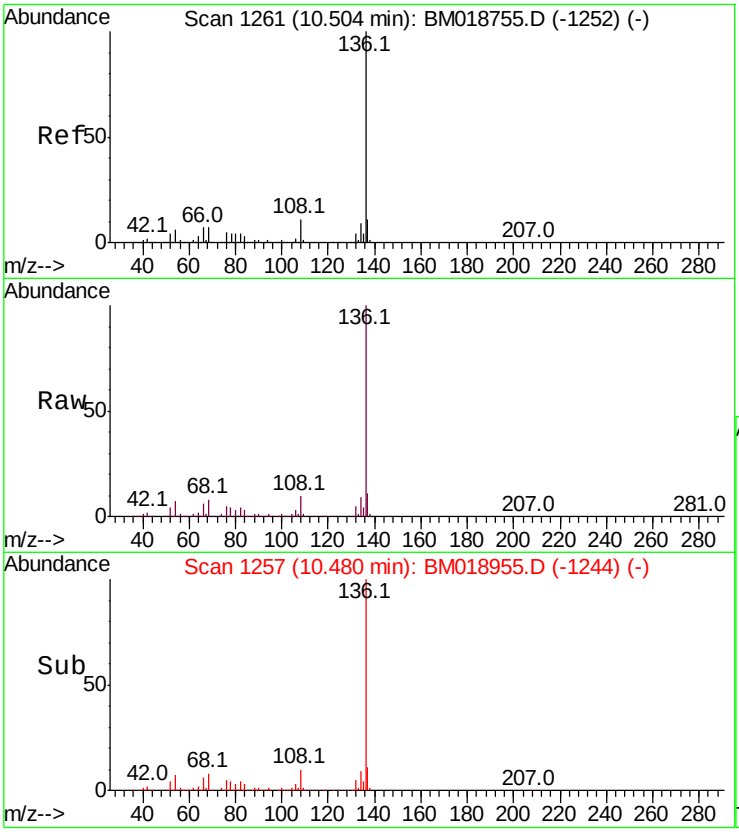


#20
3+4-Methylphenols
Concen: 50.410 ng
RT: 8.47 min Scan# 915
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:107 Resp: 963626

Ion	Ratio	Lower	Upper
107	100		
108	87.3	67.3	107.3
77	38.4	18.0	58.0
79	33.3	12.8	52.8

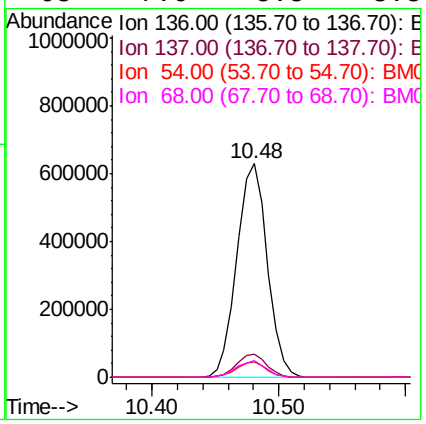




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:136 Resp: 1048794

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	6.9	5.0	7.6
68	7.6	5.5	8.3



Instrument :
BNA_M
ClientSampleId :
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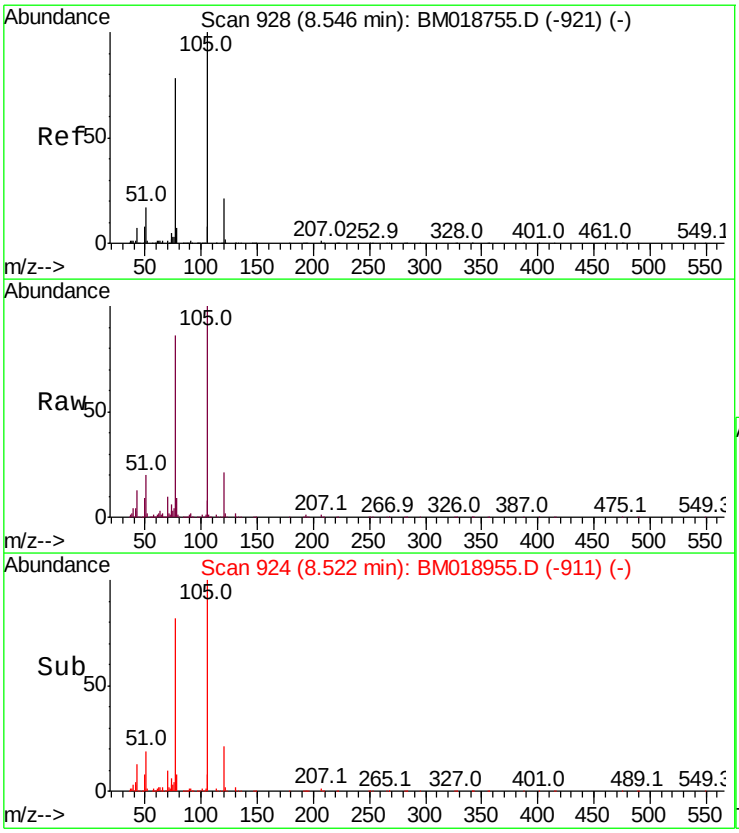
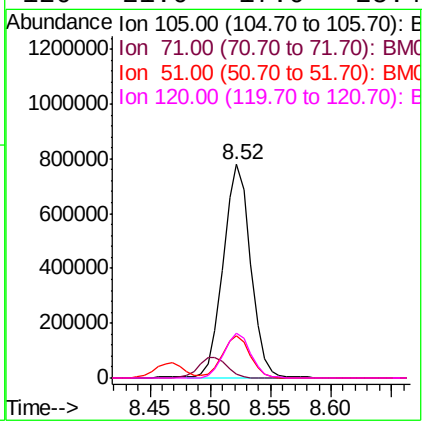
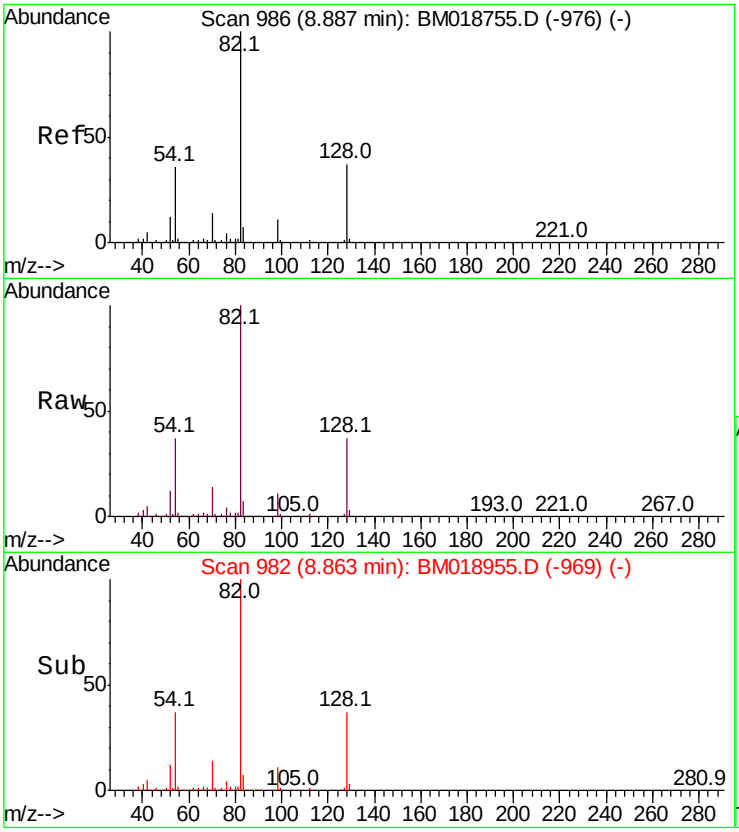


#22
Acetophenone
Concen: 42.540 ng
RT: 8.52 min Scan# 924
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:105 Resp: 1225236

Ion	Ratio	Lower	Upper
105	100		
71	1.7	1.1	1.7#
51	20.0	15.5	23.3
120	21.0	17.0	25.4

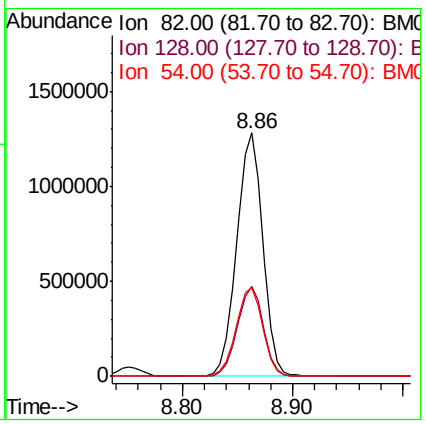




#23
Nitrobenzene-d5
Concen: 94.168 ng
RT: 8.86 min Scan# 982
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion: 82 Resp: 2135933

Ion	Ratio	Lower	Upper
82	100		
128	37.0	29.9	44.9
54	36.6	29.1	43.7



Instrument :
BNA_M
ClientSampleId :
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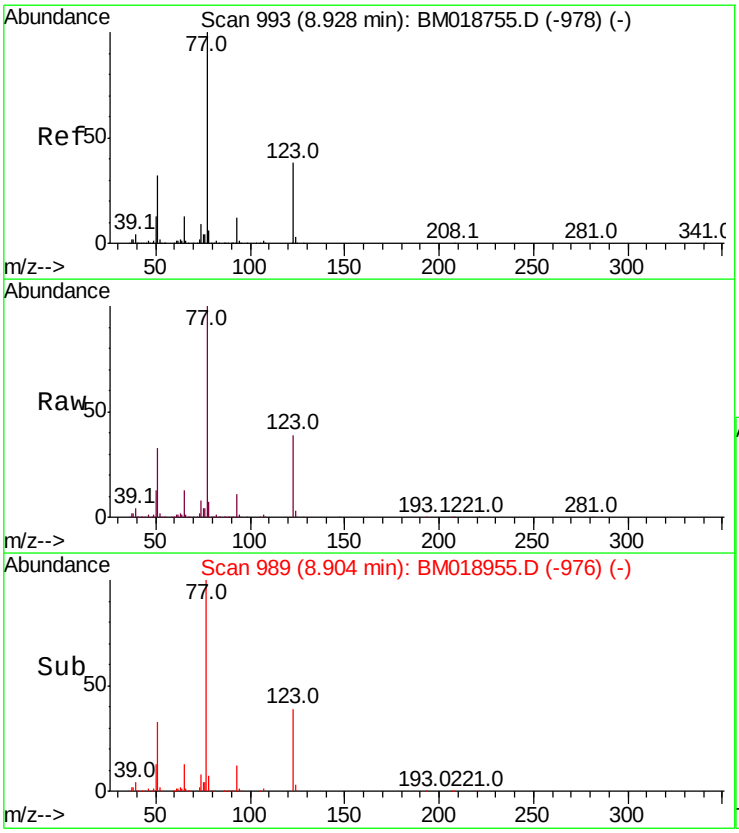
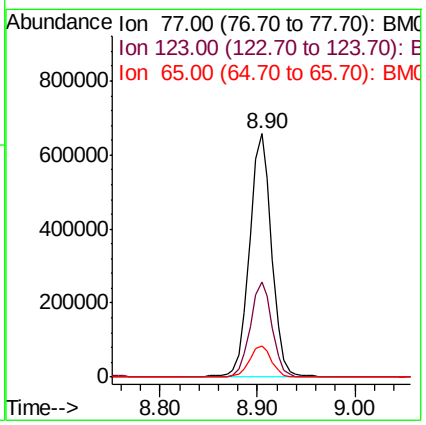
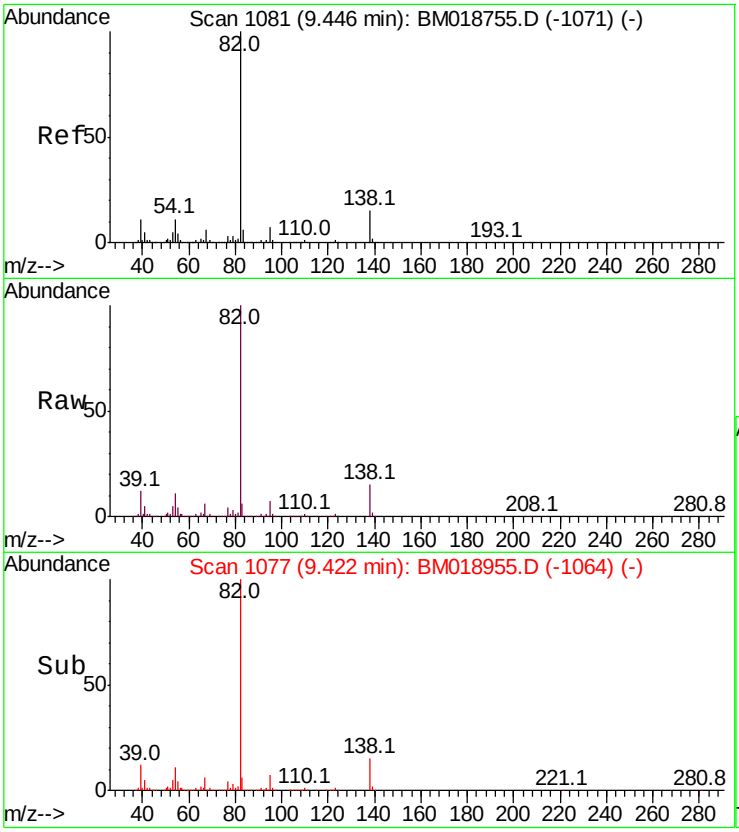


#24
Nitrobenzene
Concen: 44.548 ng
RT: 8.90 min Scan# 989
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion: 77 Resp: 1048847

Ion	Ratio	Lower	Upper
77	100		
123	39.3	30.7	46.1
65	12.9	10.5	15.7

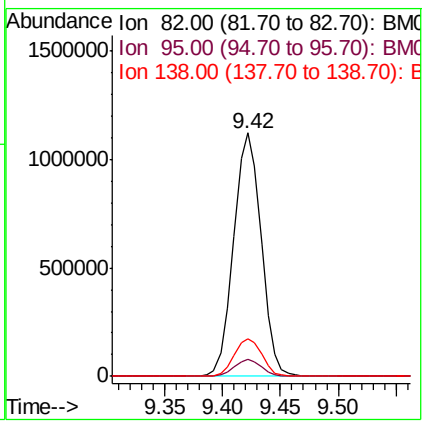




#25
Isophorone
Concen: 51.324 ng
RT: 9.42 min Scan# 1077
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion: 82 Resp: 1857511

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.7	8.5
138	15.5	12.3	18.5



Instrument :
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ClientSampleId :
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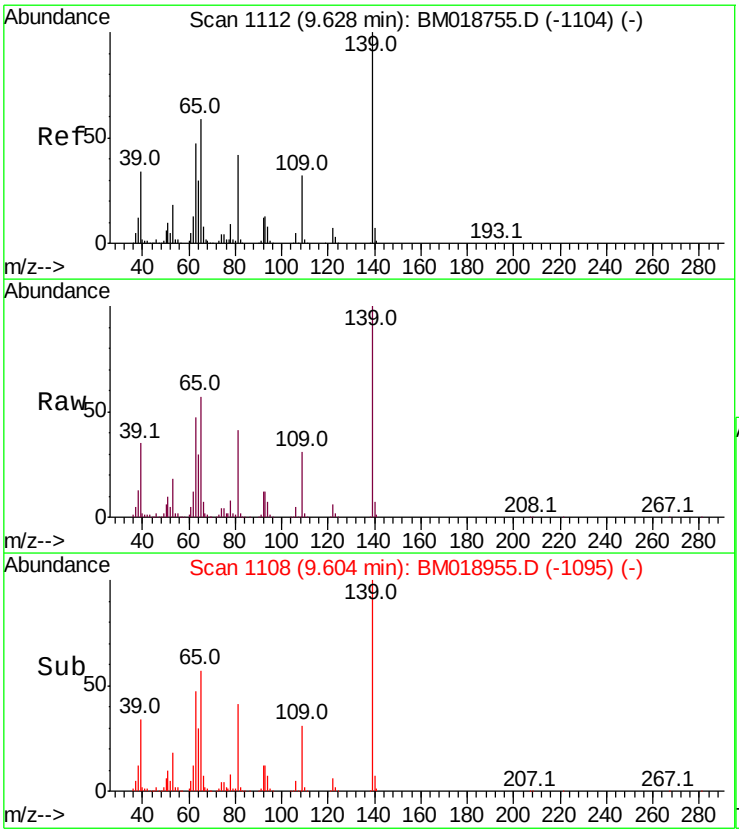
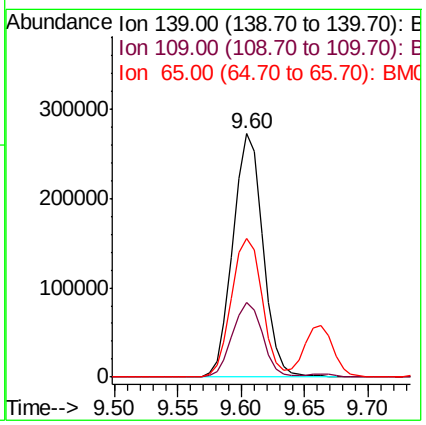
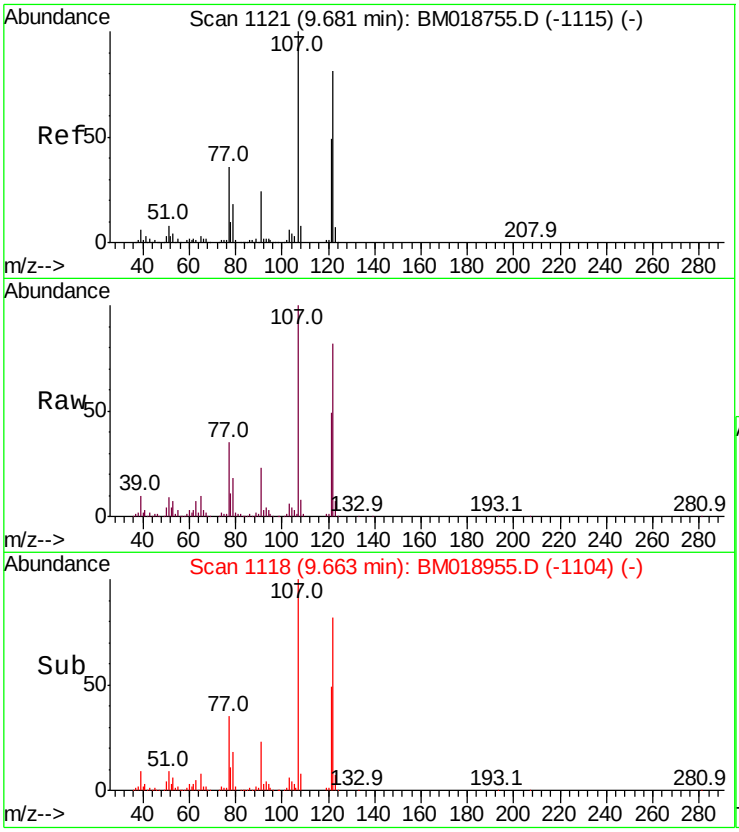


#26
2-Nitrophenol
Concen: 47.870 ng
RT: 9.60 min Scan# 1108
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:139 Resp: 448839

Ion	Ratio	Lower	Upper
139	100		
109	30.9	25.2	37.8
65	56.9	47.0	70.4

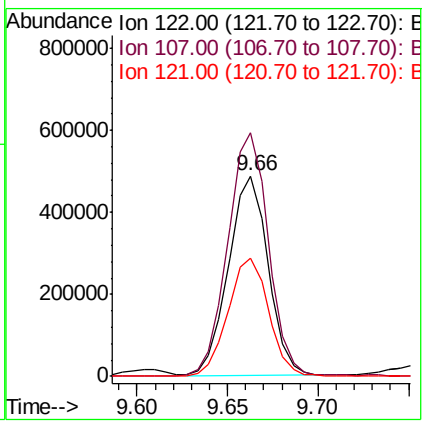




#27
2,4-Dimethylphenol
Concen: 54.338 ng
RT: 9.66 min Scan# 1118
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:122 Resp: 744126

Ion	Ratio	Lower	Upper
122	100		
107	121.6	97.6	146.4
121	59.2	47.9	71.9



Instrument :
BNA_M
ClientSampleId :
SB-02-(5-10)MSD

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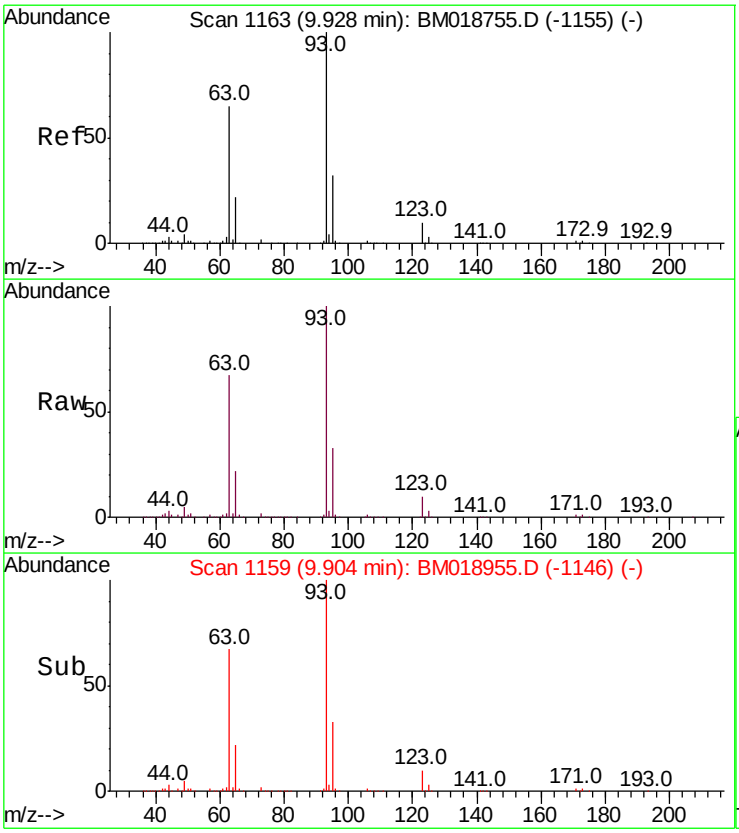
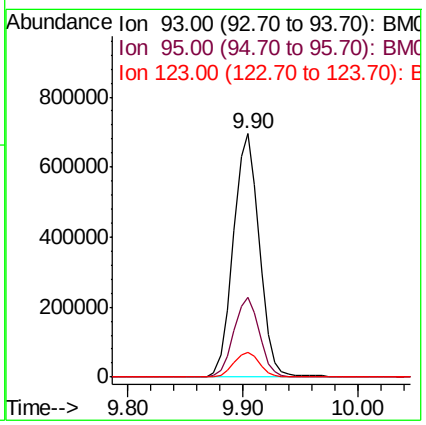
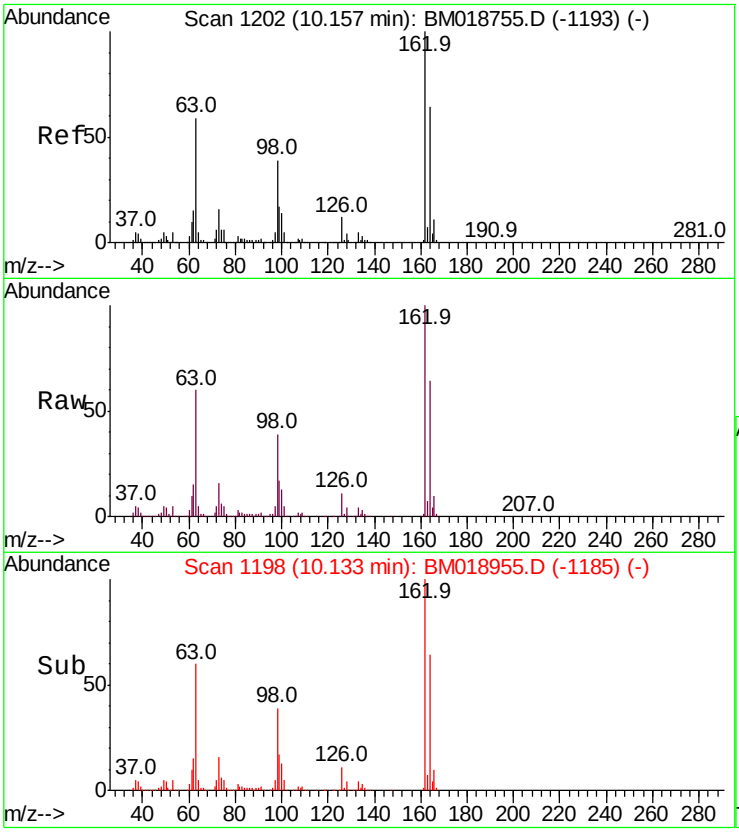


#28
bis(2-Chloroethoxy)methane
Concen: 46.429 ng
RT: 9.90 min Scan# 1159
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion: 93 Resp: 1086614

Ion	Ratio	Lower	Upper
93	100		
95	32.9	25.6	38.4
123	10.3	8.2	12.4





#29
2,4-Dichlorophenol
Concen: 48.957 ng
RT: 10.13 min Scan# 1198
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:162 Resp: 769826

Ion	Ratio	Lower	Upper
162	100		
164	63.8	44.1	84.1
98	39.0	19.4	59.4

Instrument :
BNA_M
ClientSampleId :
SB-02-(5-10)MSD

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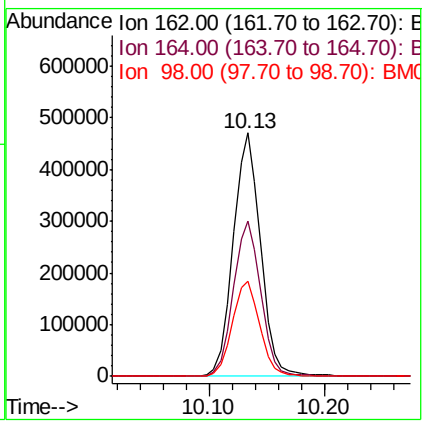
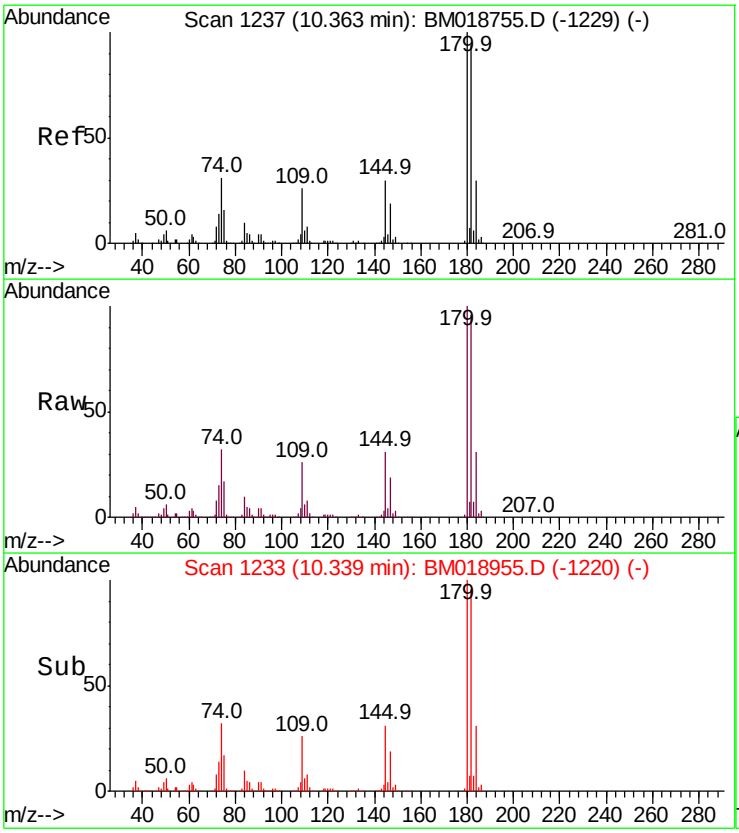
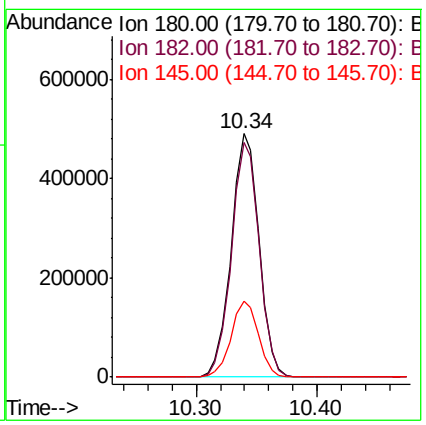


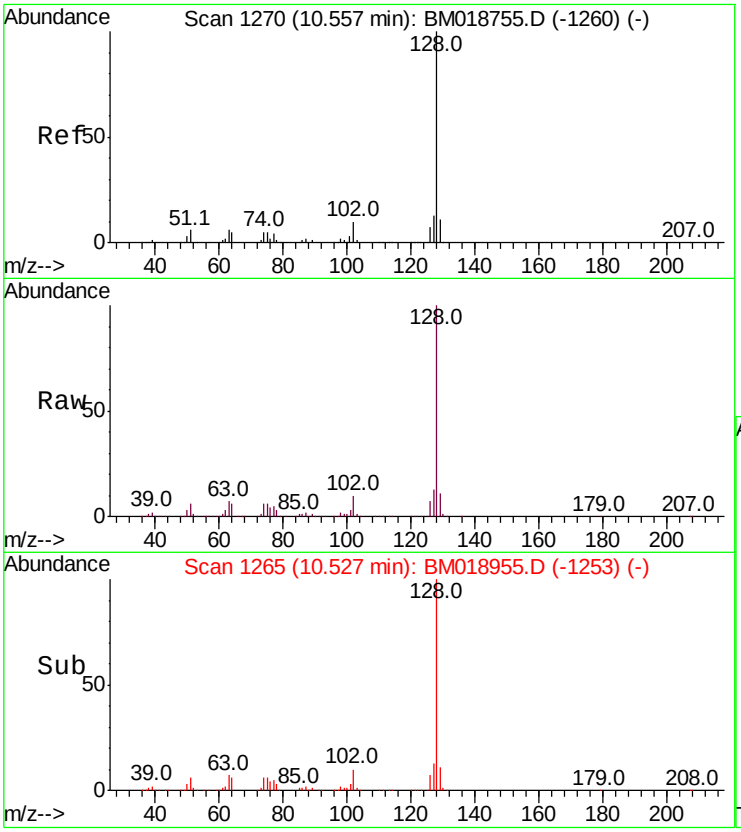


#30
1,2,4-Trichlorobenzene
Concen: 43.419 ng
RT: 10.34 min Scan# 1233
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:180 Resp: 788462

Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.0	112.6
145	31.1	24.1	36.1

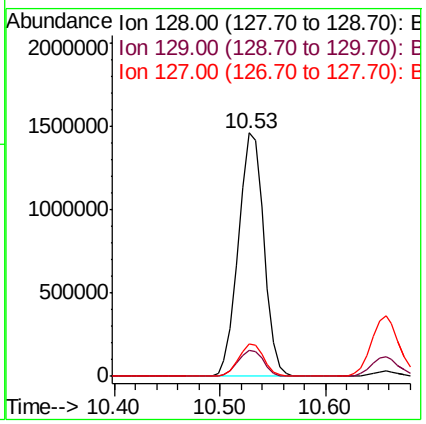




#31
Naphthalene
Concen: 47.788 ng
RT: 10.53 min Scan# 1265
Delta R.T. -0.03 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:128 Resp: 2444377

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.4
127	13.2	10.7	16.1



Instrument :
BNA_M
ClientSampleId :
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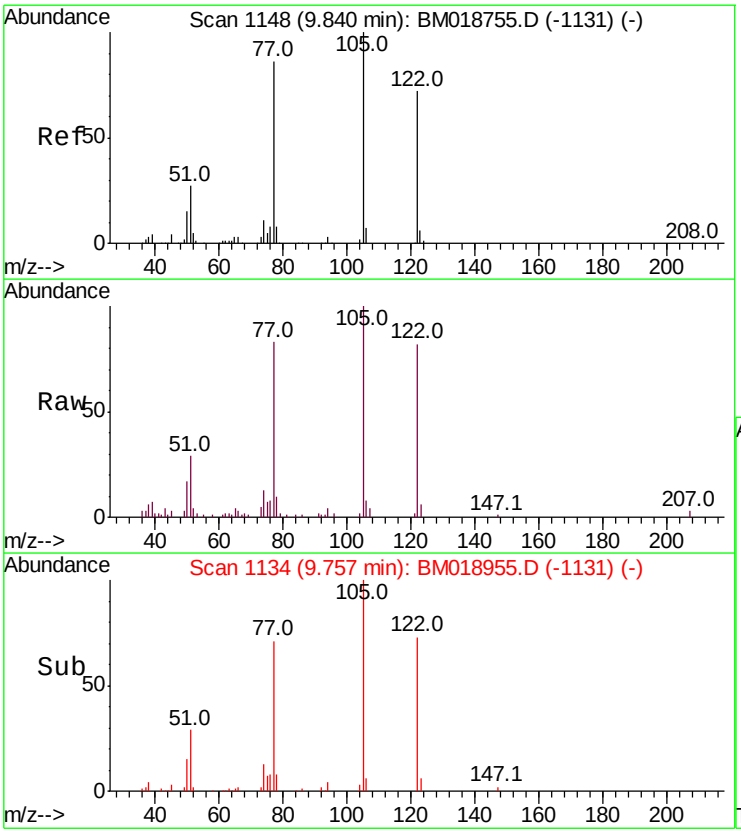
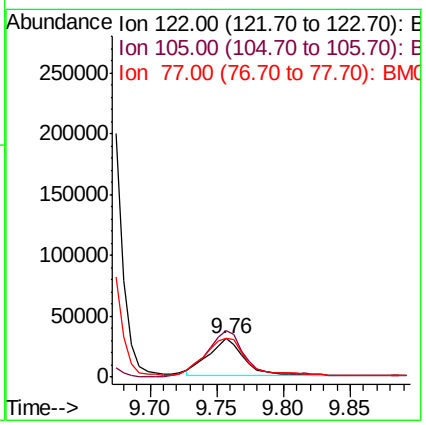
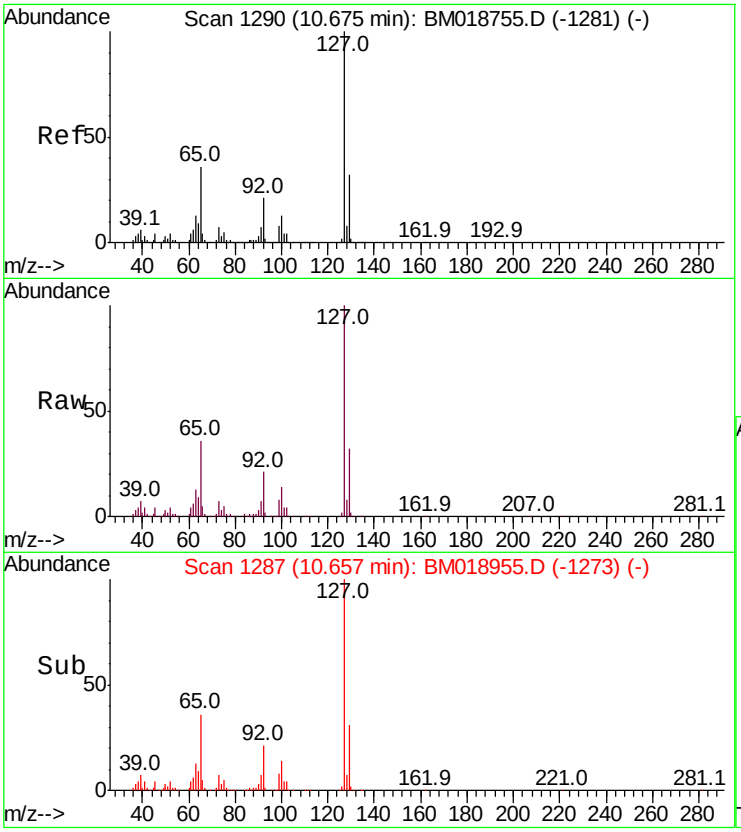


#32
Benzoic acid
Concen: 4.851 ng
RT: 9.76 min Scan# 1134
Delta R.T. -0.08 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:122 Resp: 57945

Ion	Ratio	Lower	Upper
122	100		
105	122.2	117.5	157.5
77	101.5	98.5	138.5

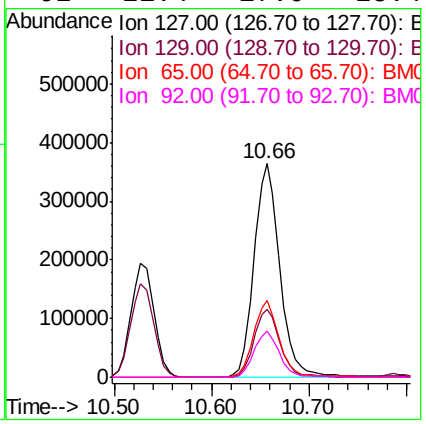




#33
4-Chloroaniline
Concen: 29.548 ng
RT: 10.66 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:127 Resp: 675624

Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.7	38.5
65	36.1	28.7	43.1
92	21.4	17.0	25.4



Instrument :
BNA_M
ClientSampleId :
SB-02-(5-10)MSD

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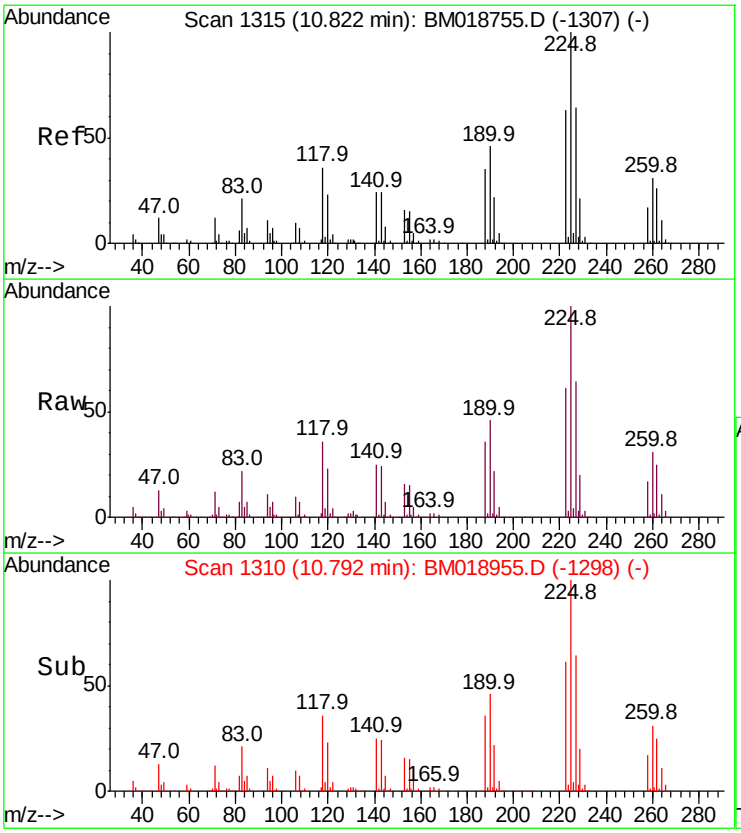
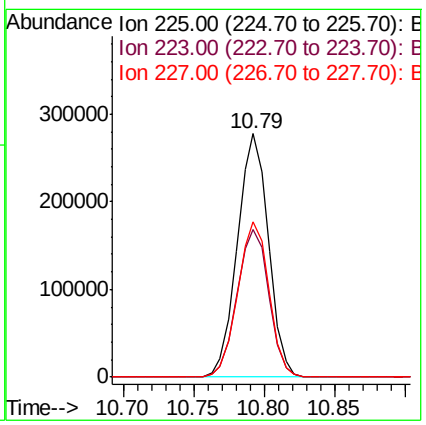
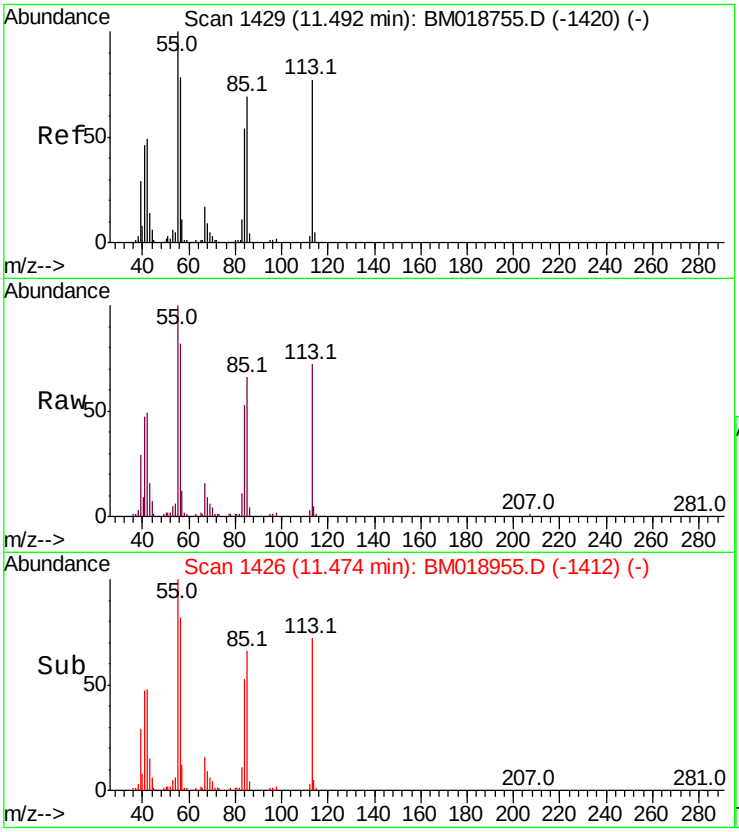


#34
Hexachlorobutadiene
Concen: 40.510 ng
RT: 10.79 min Scan# 1310
Delta R.T. -0.03 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:225 Resp: 426994

Ion	Ratio	Lower	Upper
225	100		
223	60.8	50.1	75.1
227	63.7	51.4	77.0

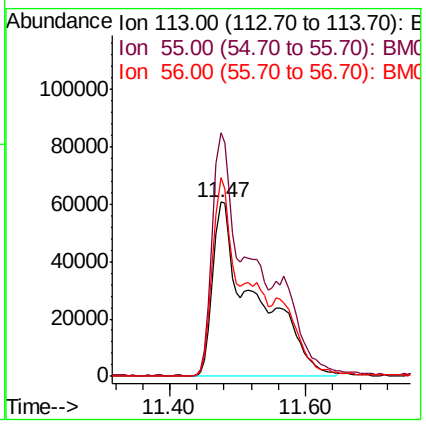




#35
Caprolactam
Concen: 41.093 ng m
RT: 11.47 min Scan# 1426
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:113 Resp: 263707

Ion	Ratio	Lower	Upper
113	100		
55	139.6	110.7	150.7
56	113.9	82.4	122.4



Instrument :
BNA_M
ClientSampleId :
SB-02-(5-10)MSD

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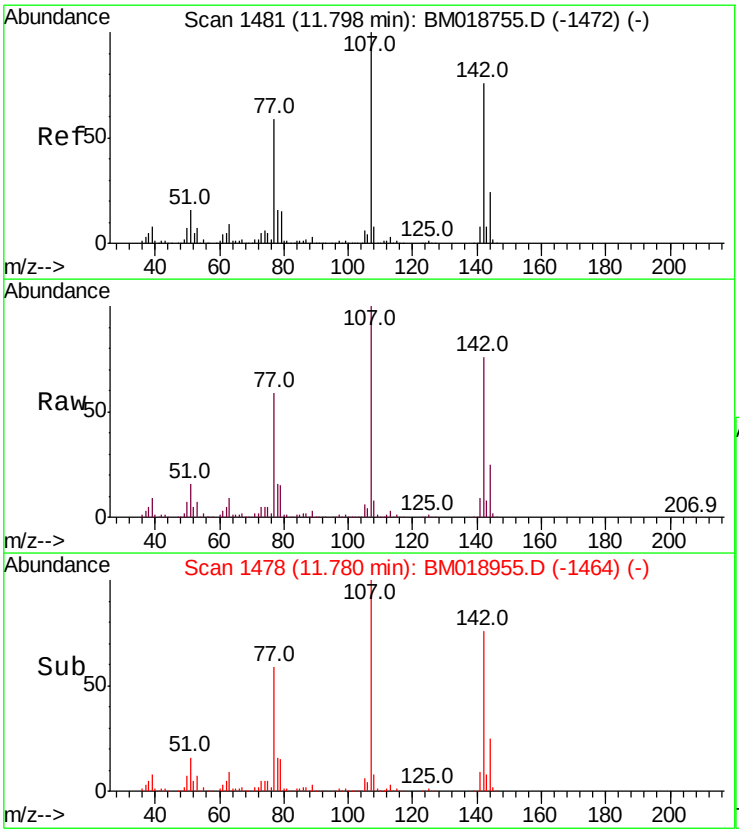
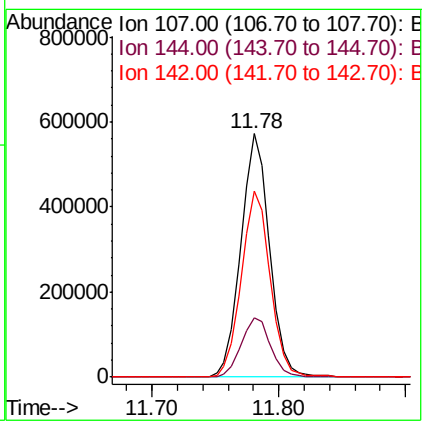
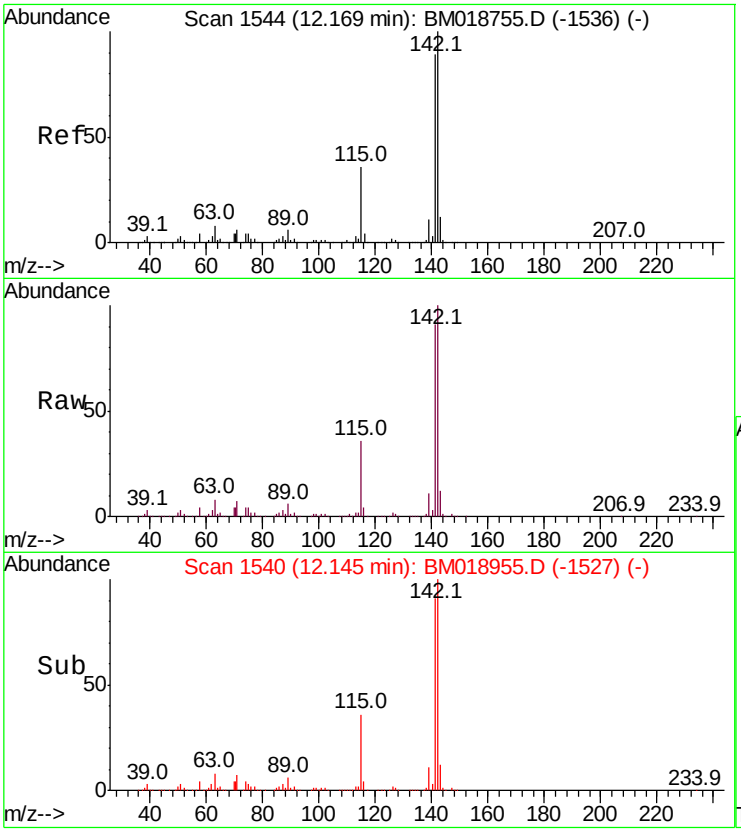


#36
4-Chloro-3-methylphenol
Concen: 47.430 ng
RT: 11.78 min Scan# 1478
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:107 Resp: 899194

Ion	Ratio	Lower	Upper
107	100		
144	24.5	19.3	28.9
142	76.3	60.5	90.7

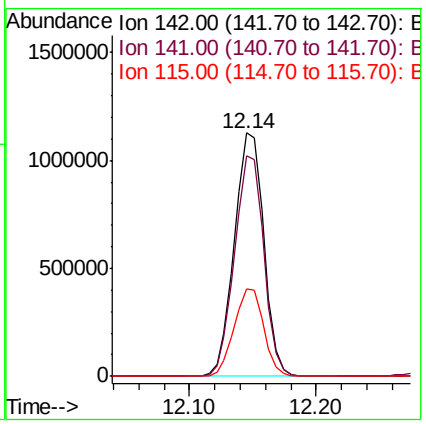




#37
2-Methylnaphthalene
Concen: 50.474 ng
RT: 12.14 min Scan# 1540
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:142 Resp: 1817733

Ion	Ratio	Lower	Upper
142	100		
141	90.8	71.2	106.8
115	36.0	29.1	43.7



Instrument :
BNA_M
ClientSampleId :
SB-02-(5-10)MSD

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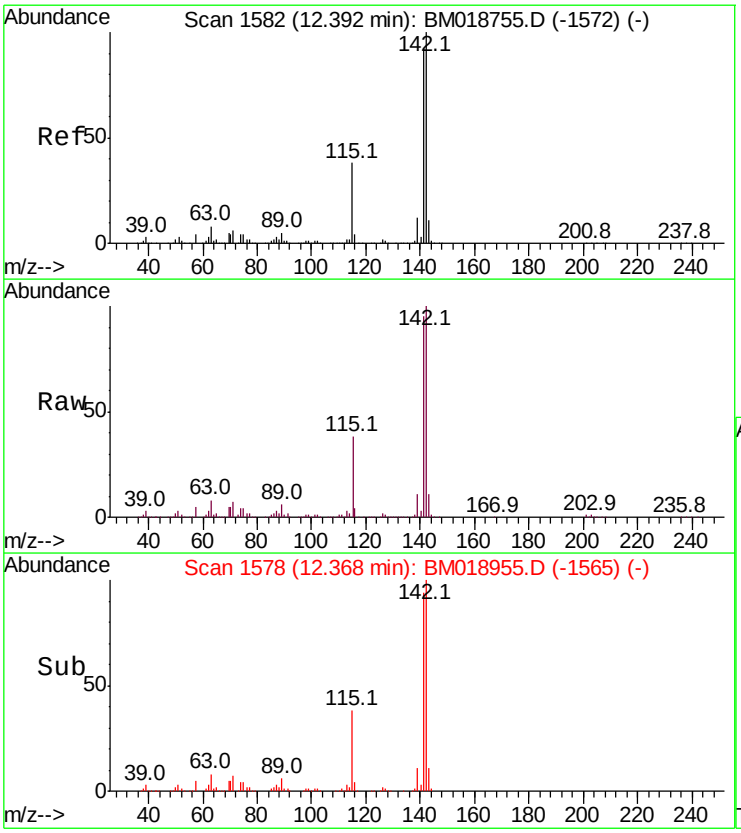
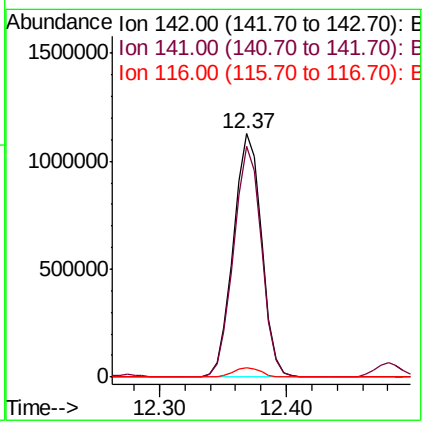
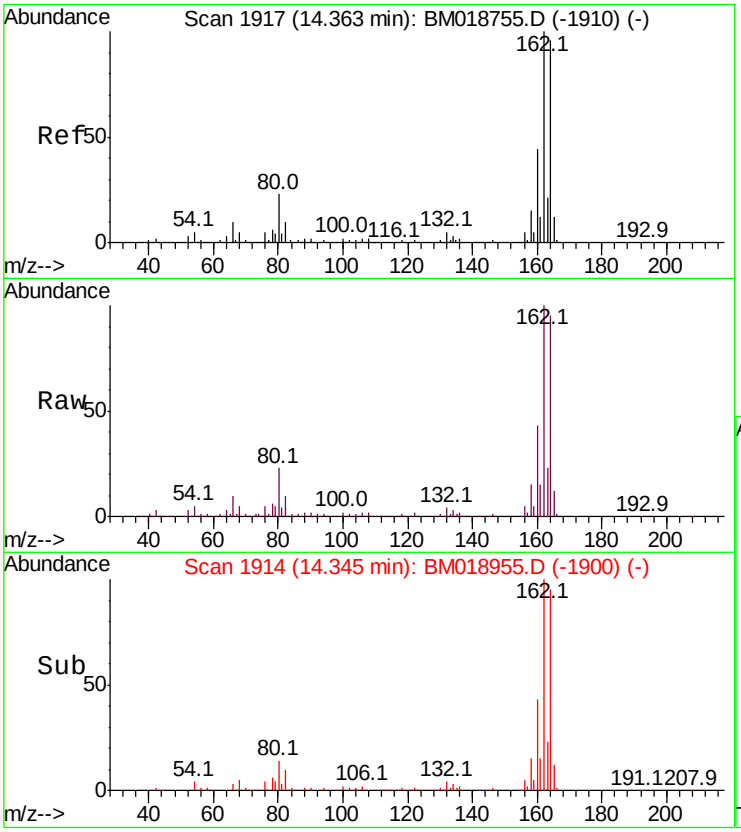


#38
1-Methylnaphthalene
Concen: 49.193 ng
RT: 12.37 min Scan# 1578
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:142 Resp: 1732392

Ion	Ratio	Lower	Upper
142	100		
141	94.7	73.9	110.9
116	4.0	3.0	4.4

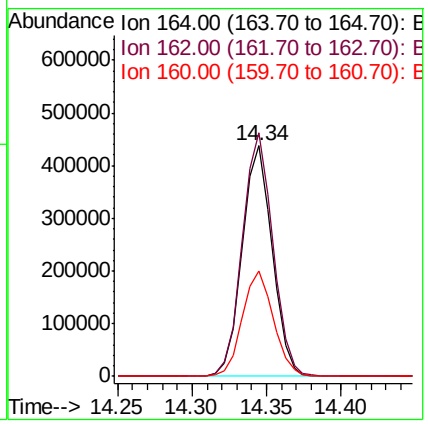




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.34 min Scan# 1914
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:164 Resp: 608653

Ion	Ratio	Lower	Upper
164	100		
162	105.6	83.4	125.0
160	45.8	36.6	55.0



Instrument :
BNA_M
ClientSampleId :
SB-02-(5-10)MSD

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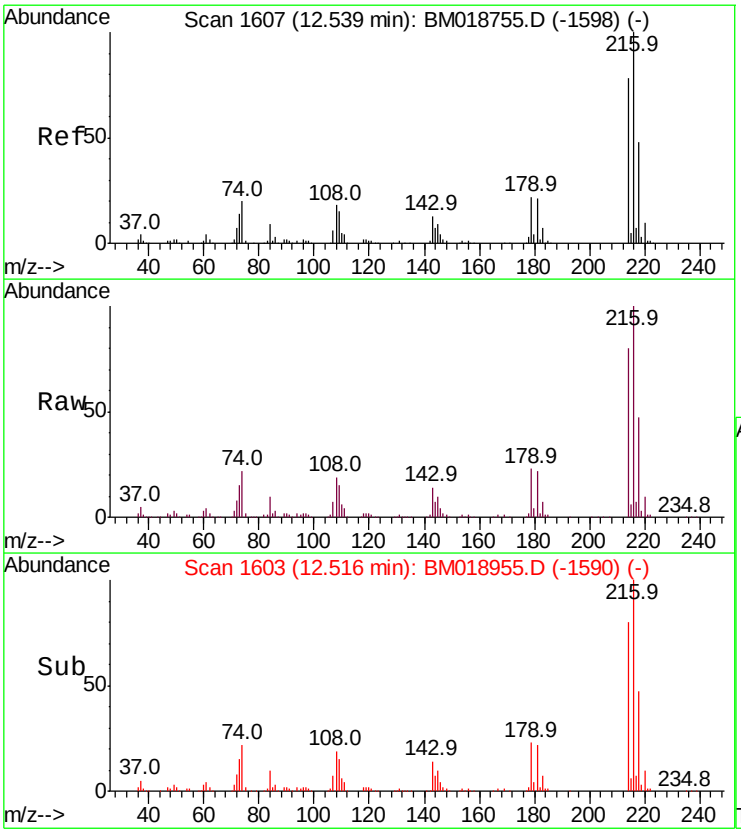
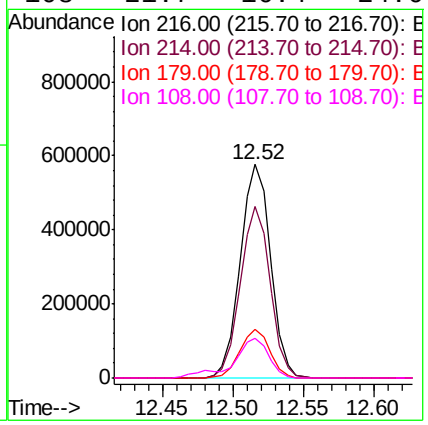
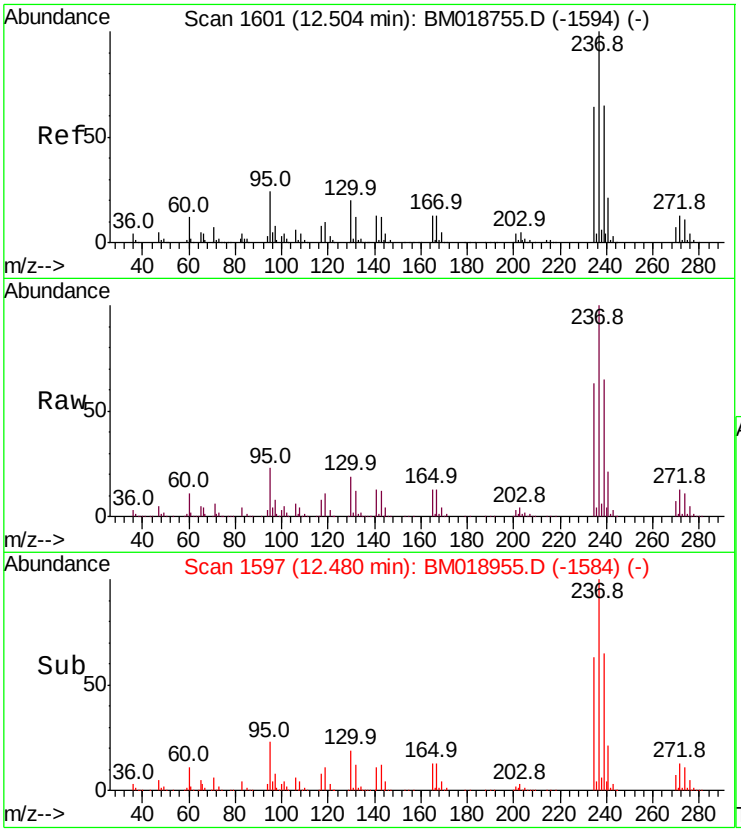


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.488 ng
RT: 12.52 min Scan# 1603
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:216 Resp: 866184

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.2	94.8
179	22.5	17.8	26.8
108	21.7	16.4	24.6

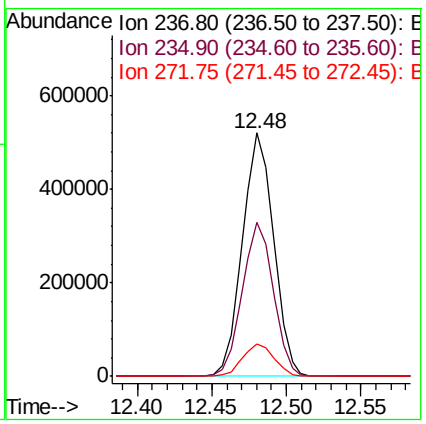




#41
Hexachlorocyclopentadiene
Concen: 75.452 ng
RT: 12.48 min Scan# 1597
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:237 Resp: 751092

Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.7	83.7
272	13.2	0.0	33.3



Instrument :
BNA_M
ClientSampleId :
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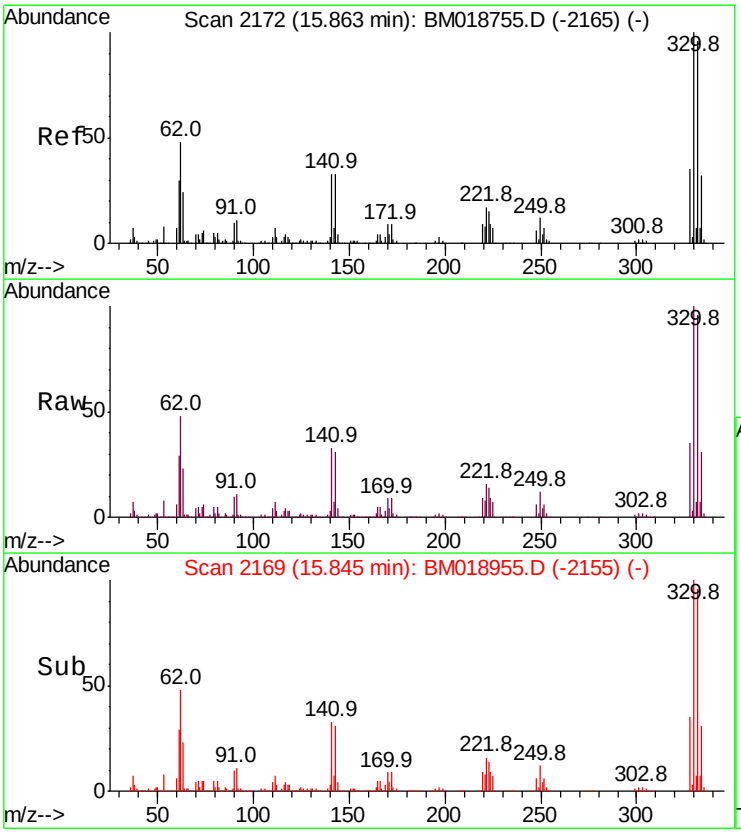
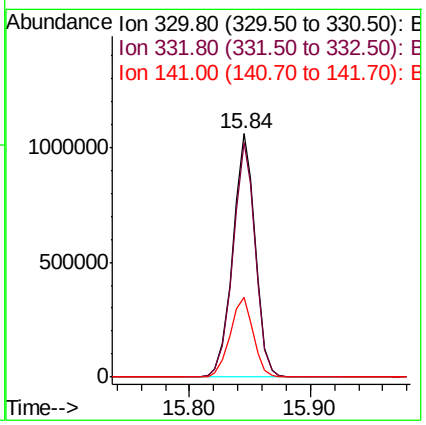
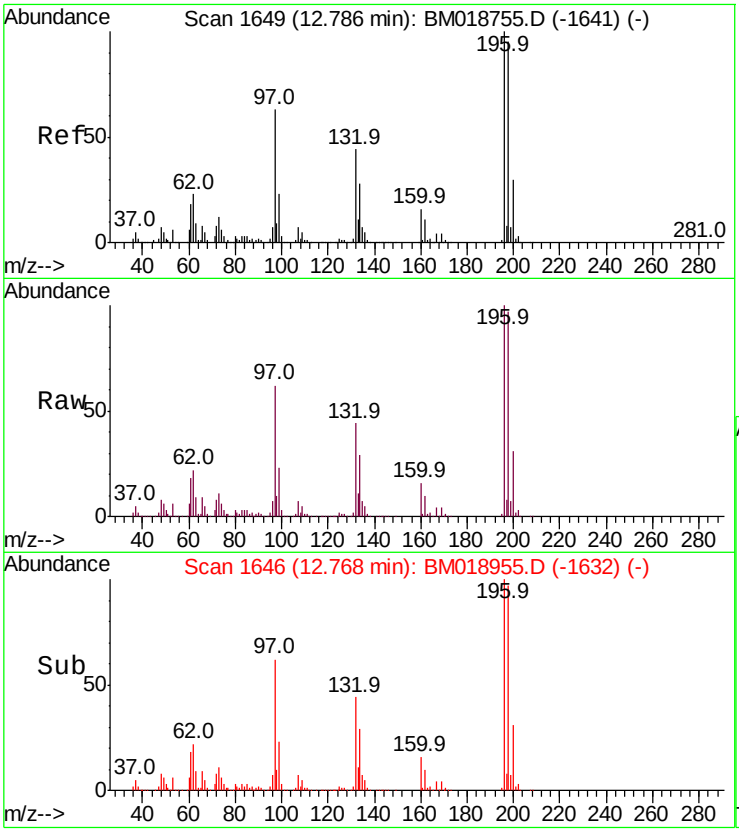


#42
2,4,6-Tribromophenol
Concen: 155.721 ng
RT: 15.84 min Scan# 2169
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:330 Resp: 1366228

Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.9	115.3
141	33.8	28.7	43.1

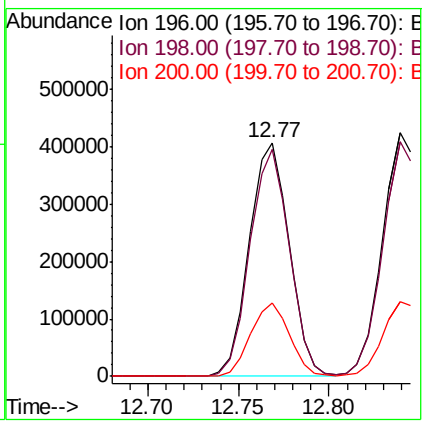




#43
2,4,6-Trichlorophenol
Concen: 48.510 ng
RT: 12.77 min Scan# 1646
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:196 Resp: 625266

Ion	Ratio	Lower	Upper
196	100		
198	97.1	76.2	114.2
200	31.3	24.2	36.2



Instrument :
BNA_M
ClientSampleId :
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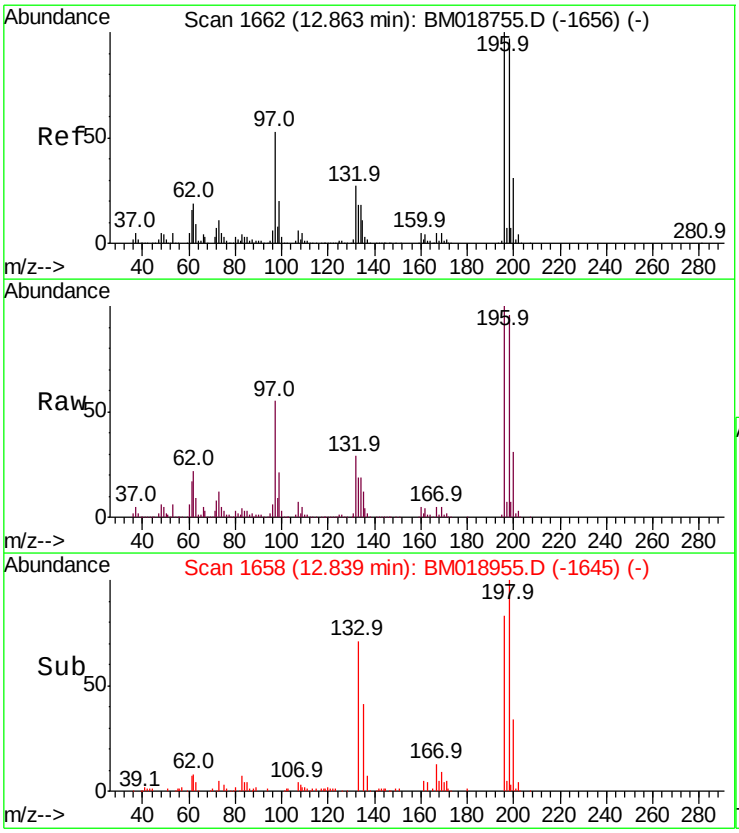
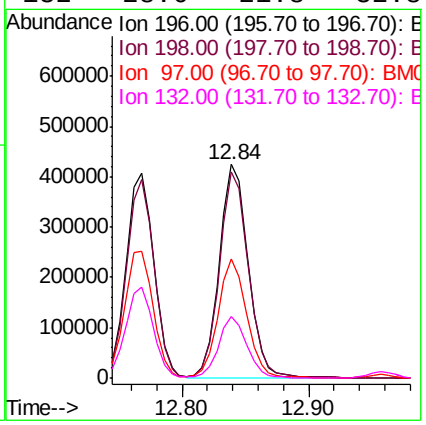
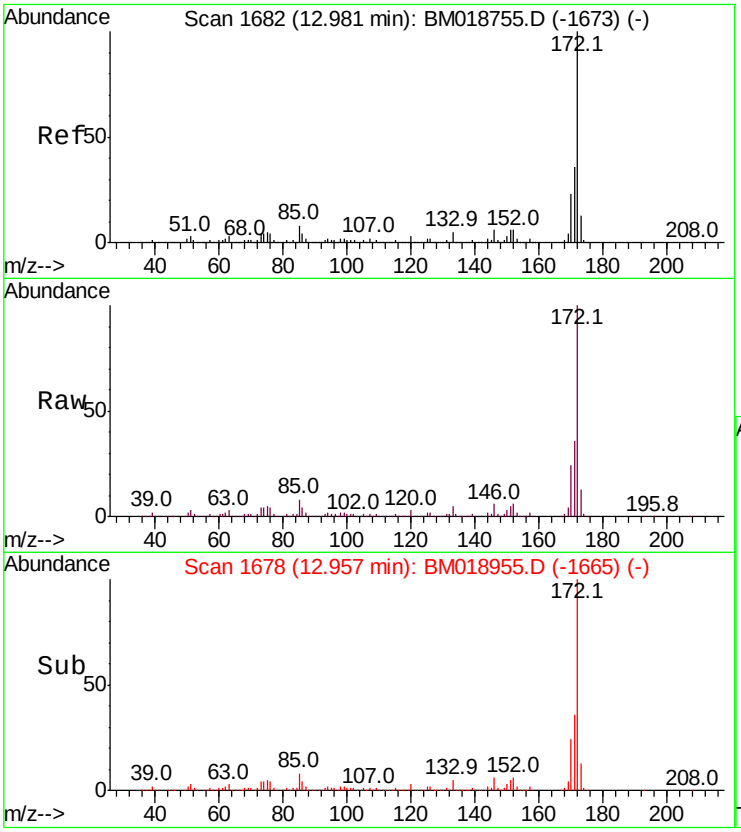


#44
2,4,5-Trichlorophenol
Concen: 49.303 ng
RT: 12.84 min Scan# 1658
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:196 Resp: 666074

Ion	Ratio	Lower	Upper
196	100		
198	96.2	77.6	116.4
97	55.5	42.8	64.2
132	28.6	21.8	32.8

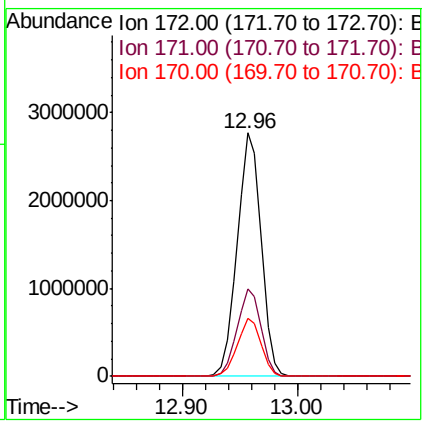




#45
2-Fluorobiphenyl
Concen: 86.598 ng
RT: 12.96 min Scan# 1678
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:172 Resp: 3970560

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.6
170	23.6	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
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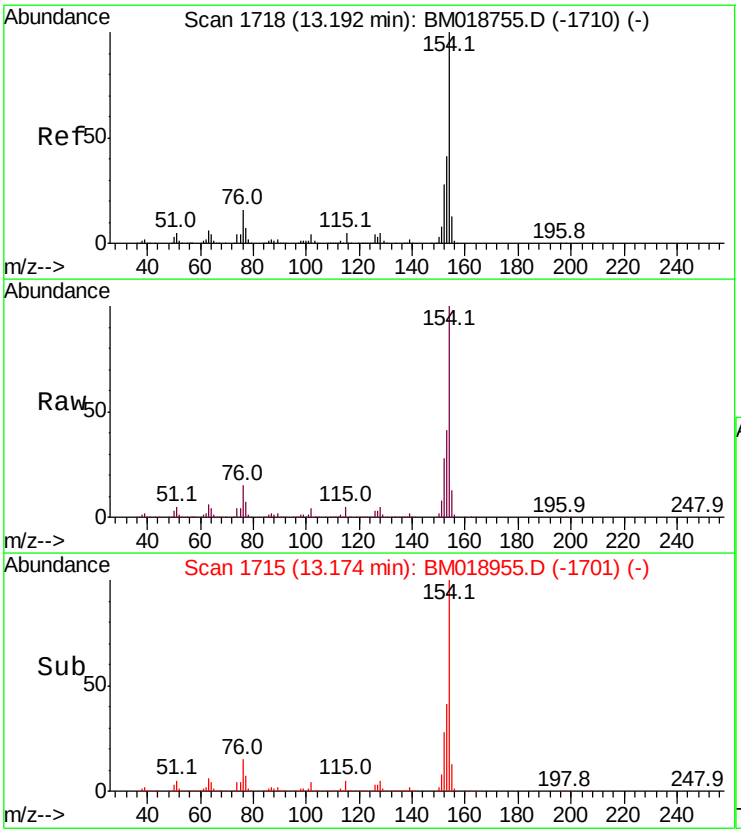
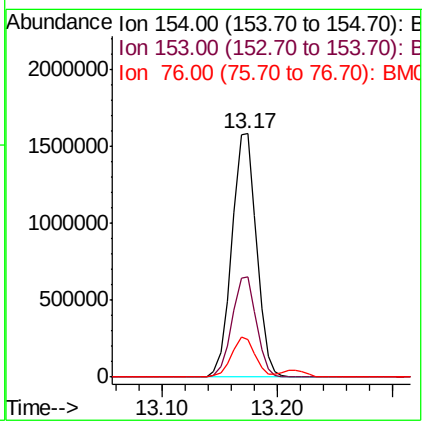
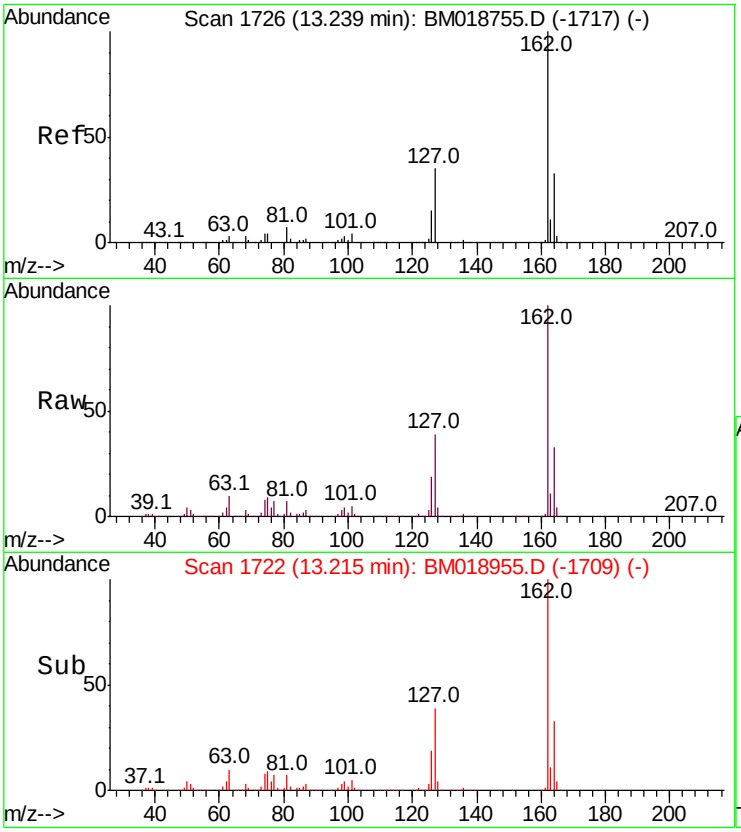


#46
1,1'-Biphenyl
Concen: 44.443 ng
RT: 13.17 min Scan# 1715
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:154 Resp: 2328459

Ion	Ratio	Lower	Upper
154	100		
153	40.9	21.1	61.1
76	15.2	0.0	35.7

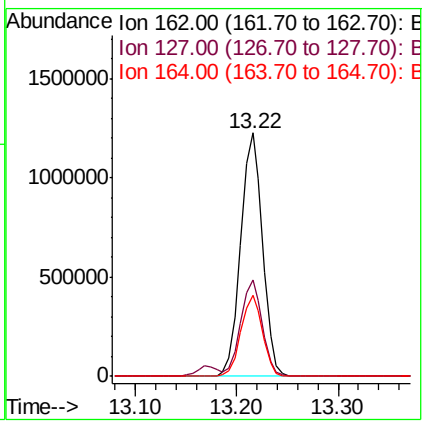




#47
2-Chloronaphthalene
Concen: 45.210 ng
RT: 13.22 min Scan# 1722
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:162 Resp: 1829477

Ion	Ratio	Lower	Upper
162	100		
127	39.4	31.1	46.7
164	33.1	26.4	39.6



Instrument :
BNA_M
ClientSampleId :
SB-02-(5-10)MSD

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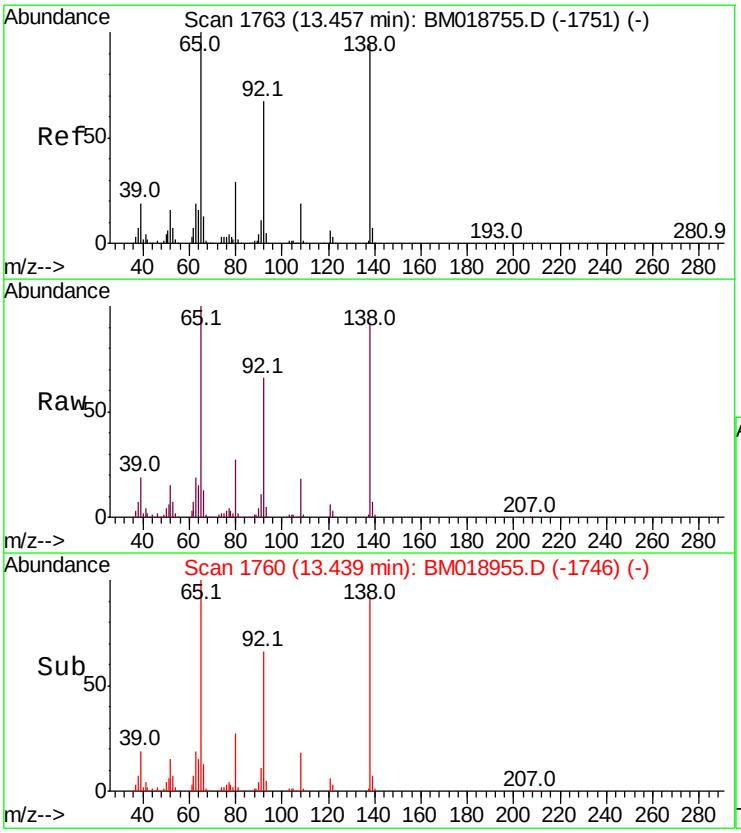
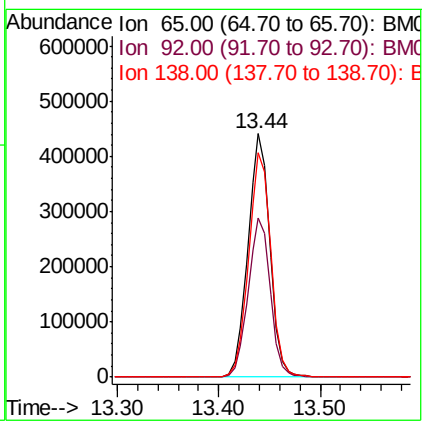
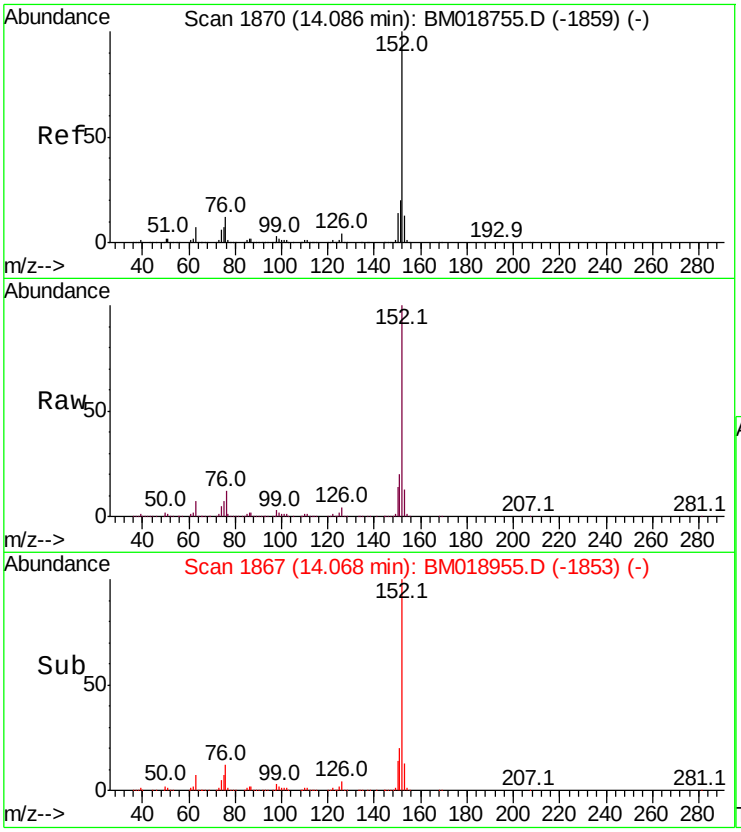


#48
2-Nitroaniline
Concen: 49.241 ng
RT: 13.44 min Scan# 1760
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion: 65 Resp: 661788

Ion	Ratio	Lower	Upper
65	100		
92	65.6	54.0	81.0
138	92.3	74.9	112.3

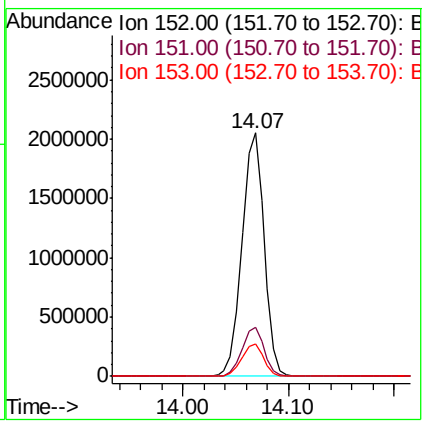




#49
Acenaphthylene
Concen: 49.517 ng
RT: 14.07 min Scan# 1867
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:152 Resp: 2983682

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.8	23.8
153	13.1	10.5	15.7



Instrument :
BNA_M
ClientSampleId :
SB-02-(5-10)MSD

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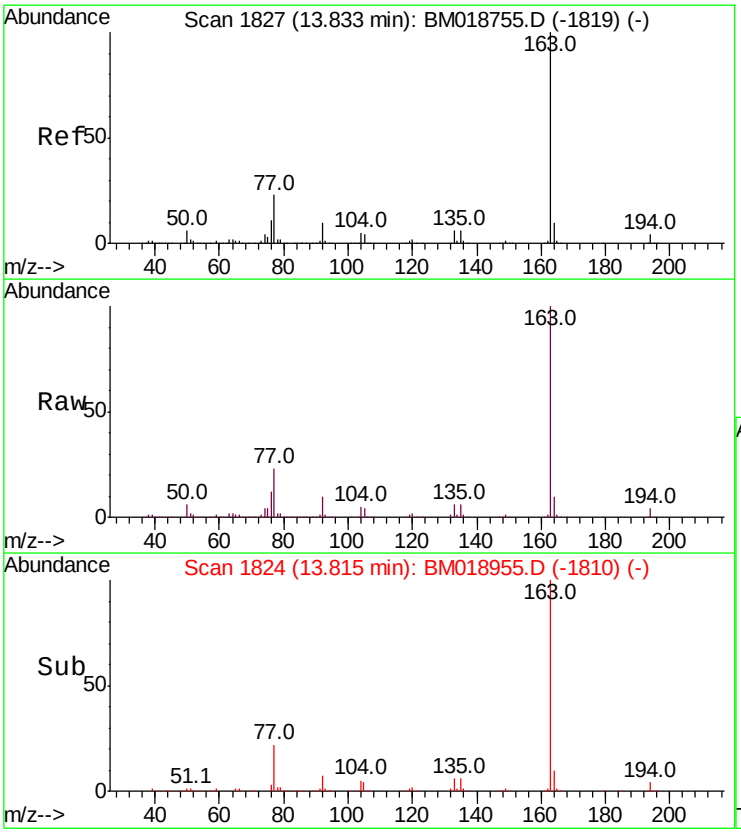
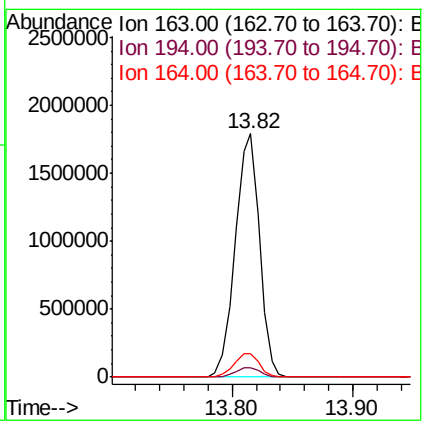
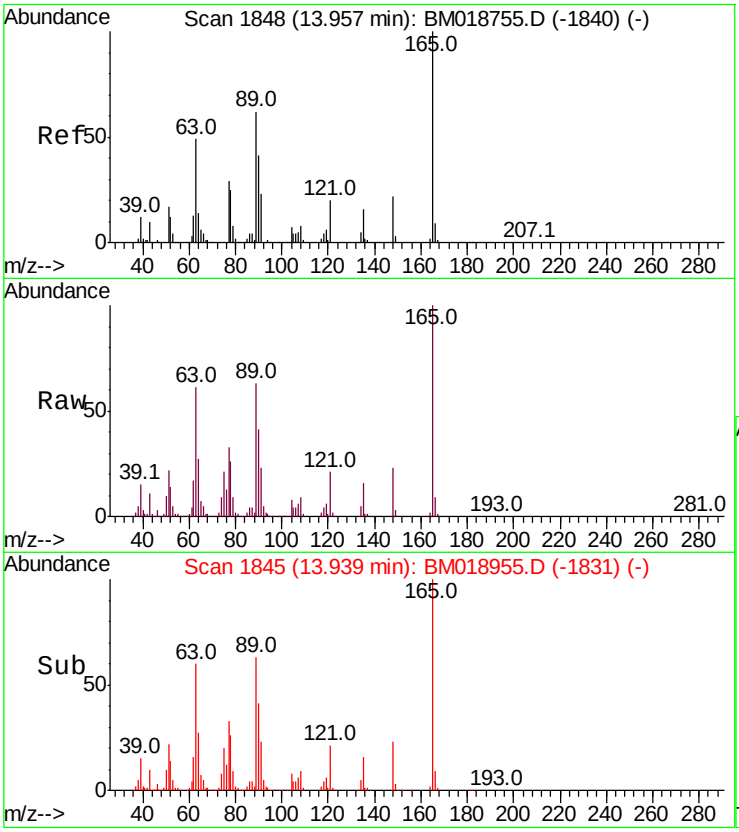


#50
Dimethylphthalate
Concen: 49.442 ng
RT: 13.82 min Scan# 1824
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:163 Resp: 2507928

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	9.9	7.8	11.8

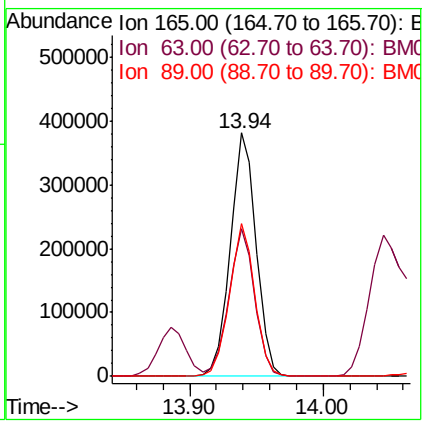




#51
2,6-Dinitrotoluene
Concen: 46.831 ng
RT: 13.94 min Scan# 1845
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:165 Resp: 514582

Ion	Ratio	Lower	Upper
165	100		
63	60.8	48.9	73.3
89	62.6	49.4	74.0



Instrument :
BNA_M
ClientSampleId :
SB-02-(5-10)MSD

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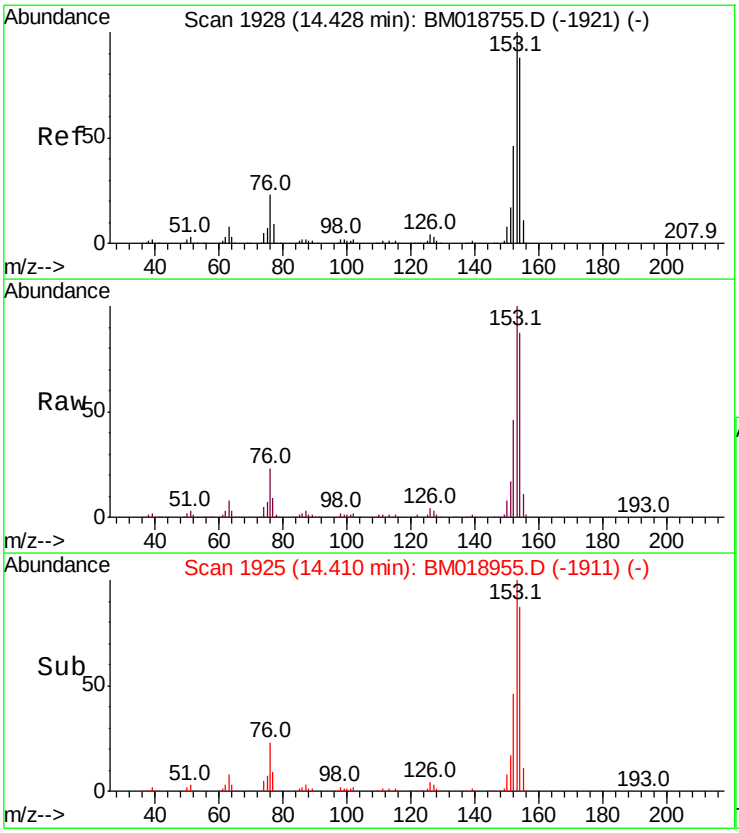
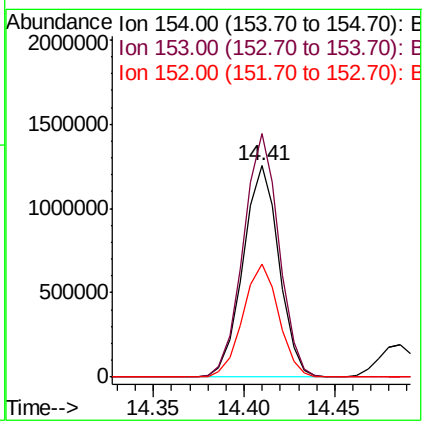
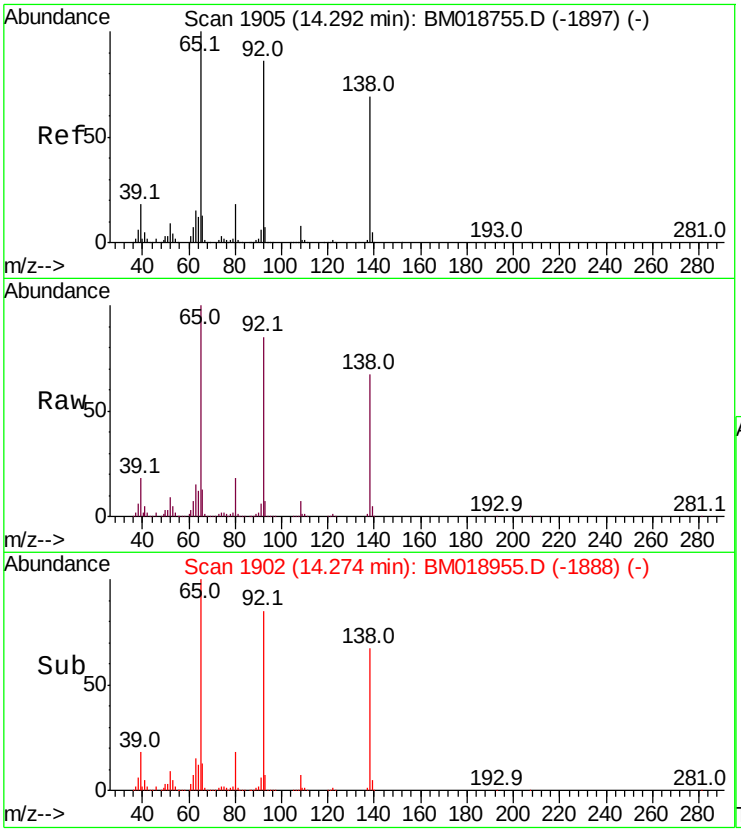


#52
Acenaphthene
Concen: 46.712 ng
RT: 14.41 min Scan# 1925
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:154 Resp: 1725892

Ion	Ratio	Lower	Upper
154	100		
153	115.1	91.3	136.9
152	53.4	42.2	63.4

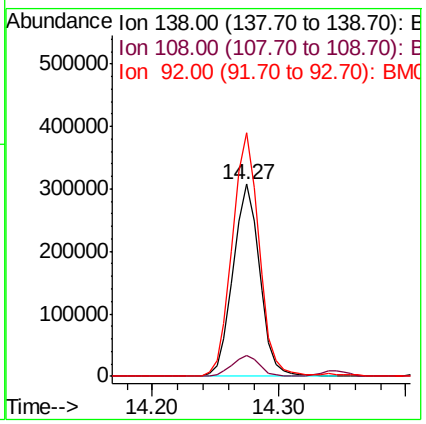




#53
3-Nitroaniline
Concen: 36.195 ng
RT: 14.27 min Scan# 1902
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:138 Resp: 449376

Ion	Ratio	Lower	Upper
138	100		
108	11.0	9.1	13.7
92	126.6	99.7	149.5



Instrument :
BNA_M
ClientSampleId :
SB-02-(5-10)MSD

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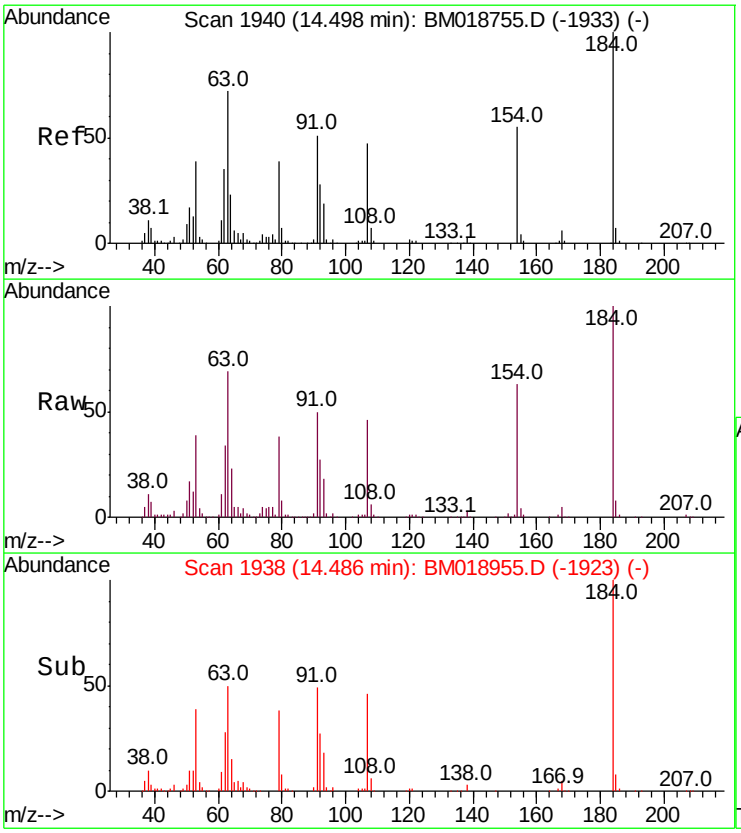
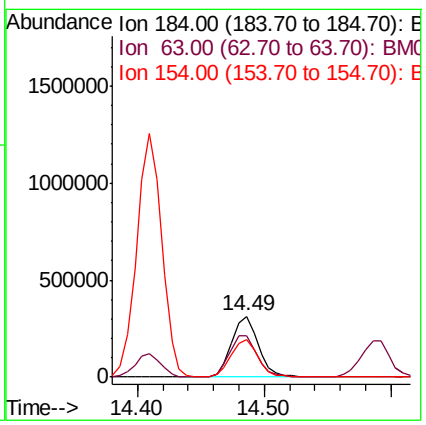
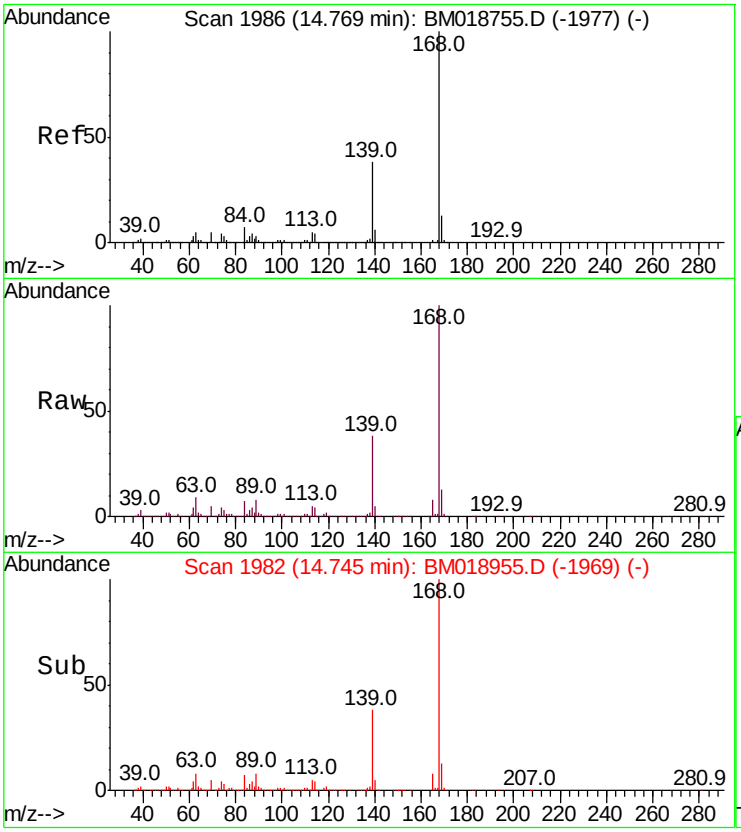


#54
2,4-Dinitrophenol
Concen: 66.630 ng
RT: 14.49 min Scan# 1938
Delta R.T. -0.01 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:184 Resp: 457330

Ion	Ratio	Lower	Upper
184	100		
63	68.8	58.0	87.0
154	62.5	50.3	75.5

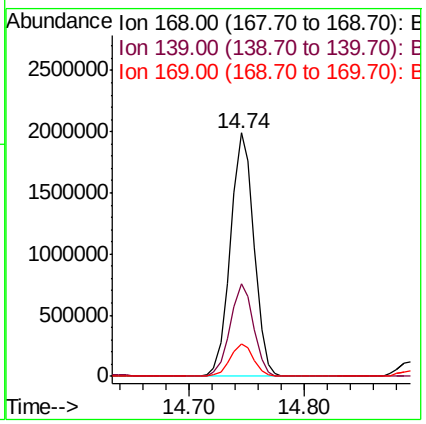




#55
Dibenzofuran
Concen: 46.054 ng
RT: 14.74 min Scan# 1982
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:168 Resp: 2796774

Ion	Ratio	Lower	Upper
168	100		
139	38.2	30.7	46.1
169	13.3	10.3	15.5



Instrument :
BNA_M
ClientSampleId :
SB-02-(5-10)MSD

Manual Integrations APPROVED
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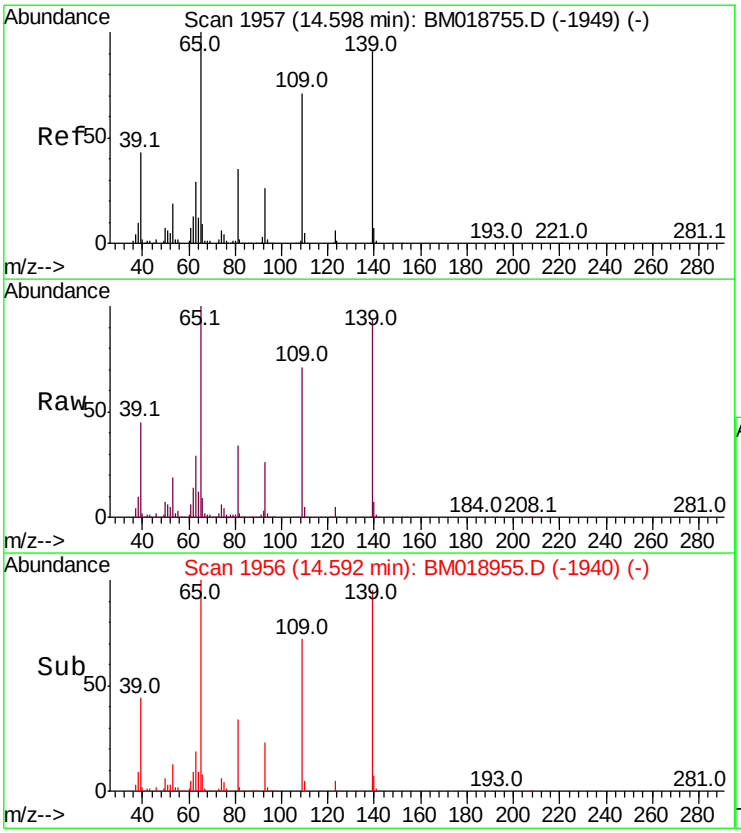
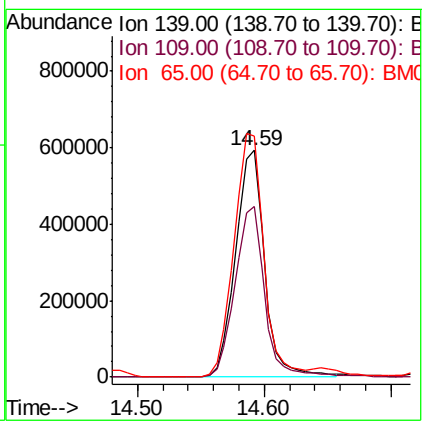
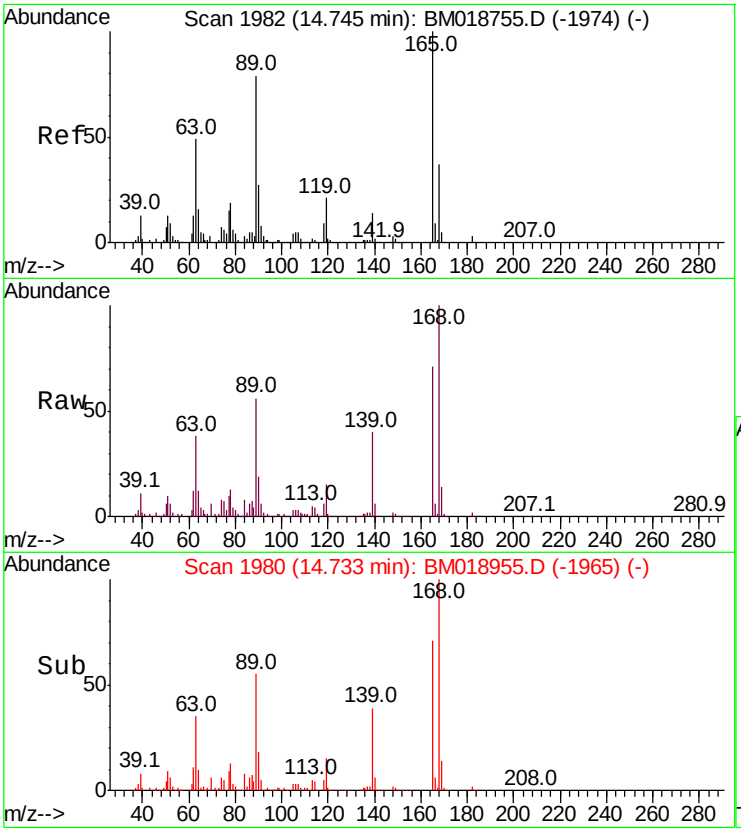


#56
4-Nitrophenol
Concen: 94.942 ng
RT: 14.59 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:139 Resp: 940970

Ion	Ratio	Lower	Upper
139	100		
109	75.5	58.4	98.4
65	106.3	89.8	129.8

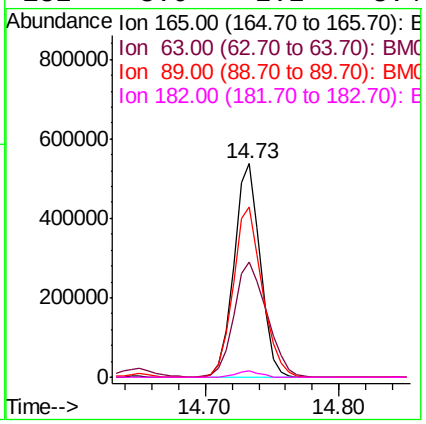




#57
2,4-Dinitrotoluene
Concen: 48.396 ng
RT: 14.73 min Scan# 1980
Delta R.T. -0.01 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:165 Resp: 732695

Ion	Ratio	Lower	Upper
165	100		
63	53.8	39.6	59.4
89	79.6	63.5	95.3
182	3.0	2.2	3.4



Instrument :
BNA_M
ClientSampleId :
SB-02-(5-10)MSD

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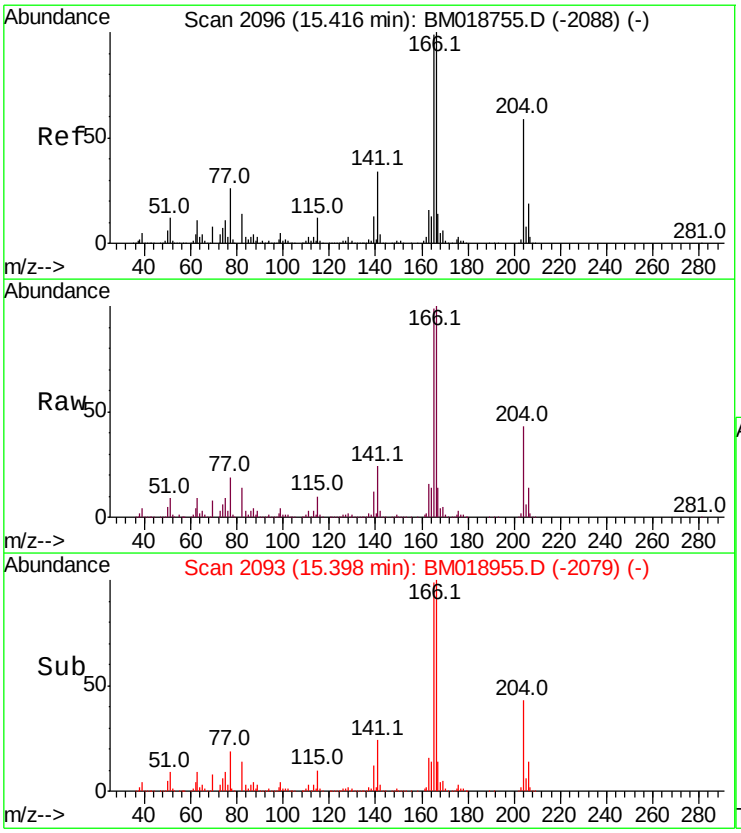
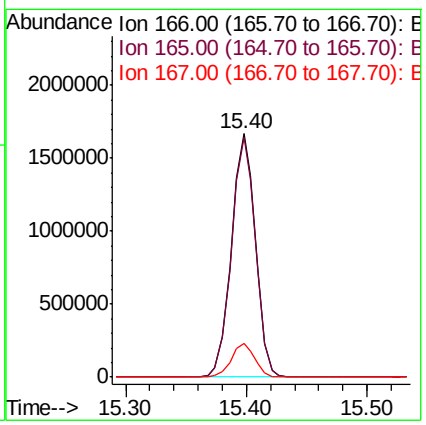
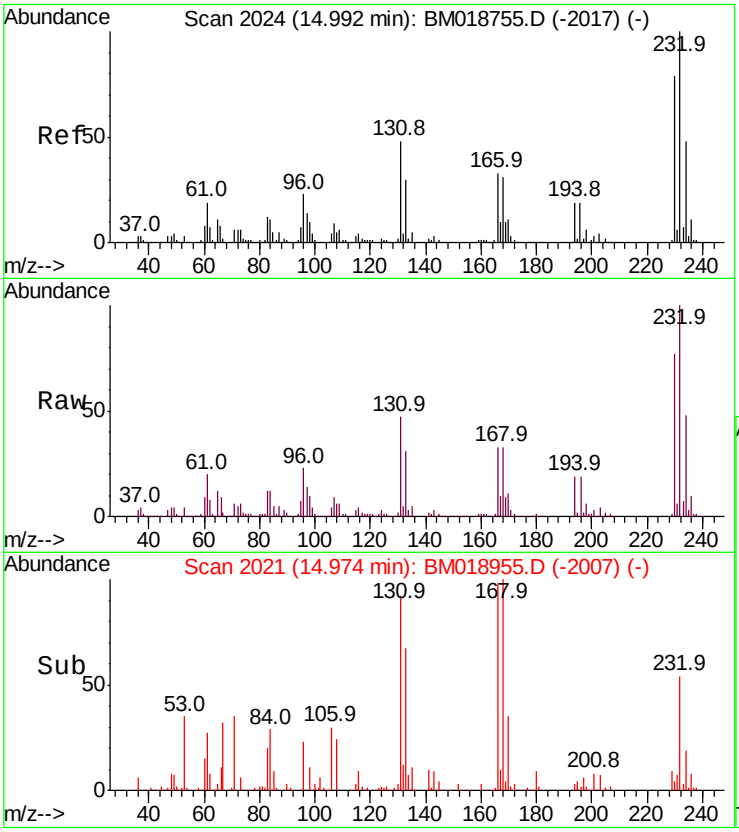


#58
Fluorene
Concen: 49.569 ng
RT: 15.40 min Scan# 2093
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:166 Resp: 2302931

Ion	Ratio	Lower	Upper
166	100		
165	98.6	79.1	118.7
167	13.6	11.0	16.4

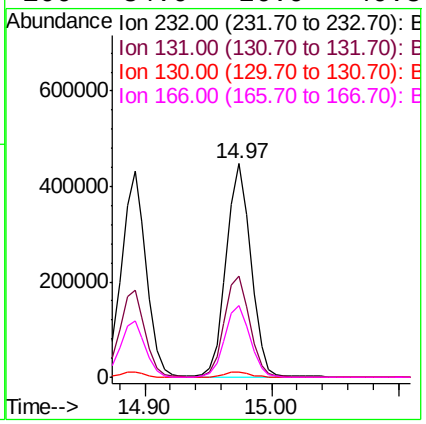




#59
2,3,4,6-Tetrachlorophenol
Concen: 50.141 ng
RT: 14.97 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:232 Resp: 598751

Ion	Ratio	Lower	Upper
232	100		
131	48.3	38.6	57.8
130	2.6	2.0	3.0
166	34.0	26.9	40.3



Instrument :
BNA_M
ClientSampleId :
SB-02-(5-10)MSD

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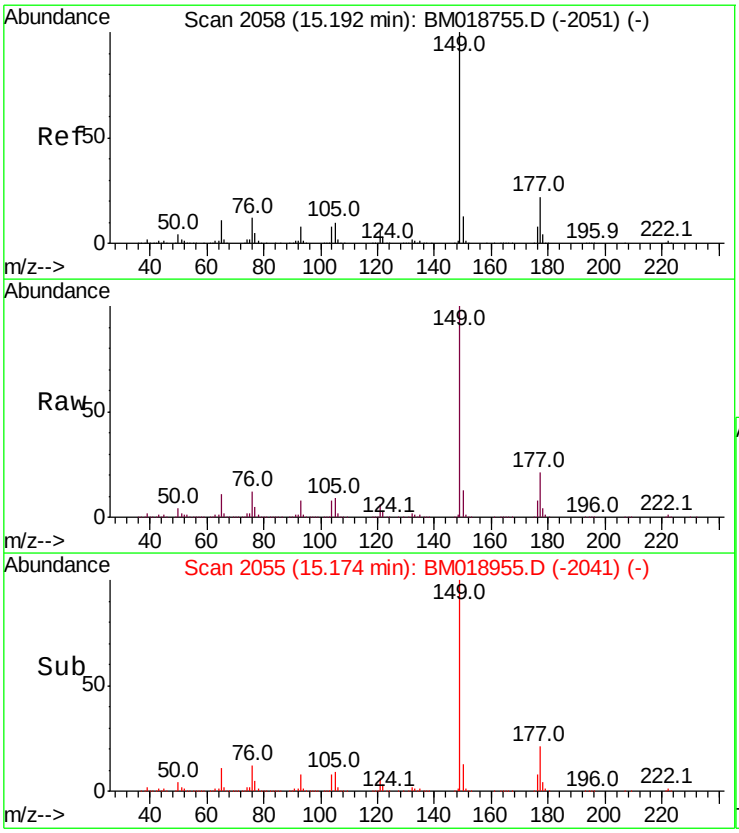
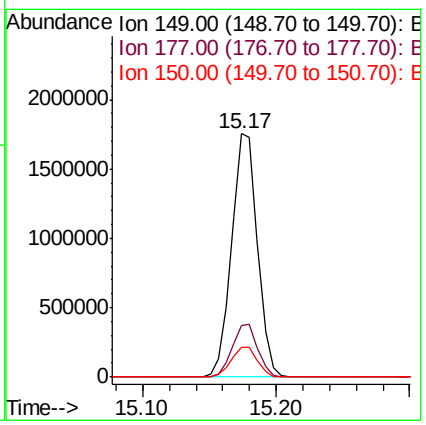
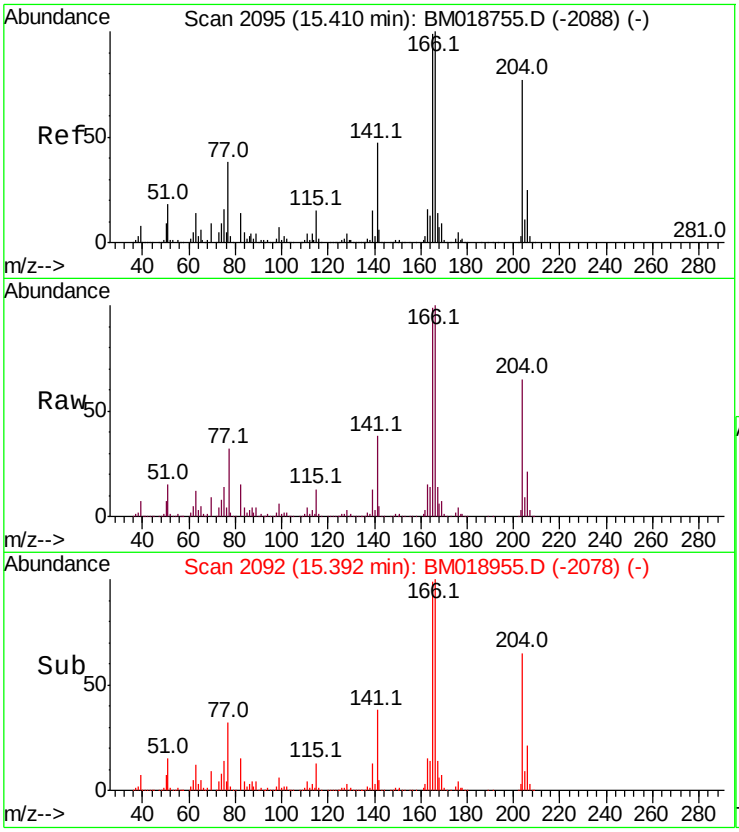


#60
Diethylphthalate
Concen: 45.176 ng
RT: 15.17 min Scan# 2055
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:149 Resp: 2363814

Ion	Ratio	Lower	Upper
149	100		
177	21.4	17.2	25.8
150	12.5	10.2	15.2

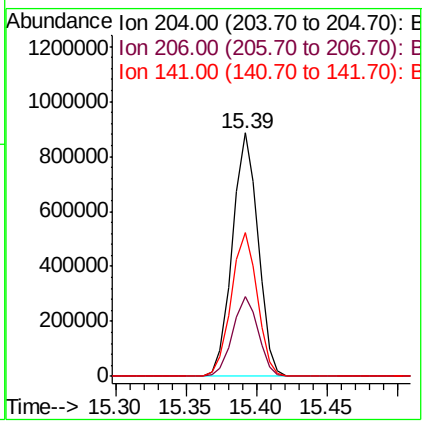




#61
4-Chlorophenyl-phenylether
Concen: 43.042 ng
RT: 15.39 min Scan# 2092
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:204 Resp: 1121169

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.2
141	59.1	49.2	73.8



Instrument :
BNA_M
ClientSampleId :
SB-02-(5-10)MSD

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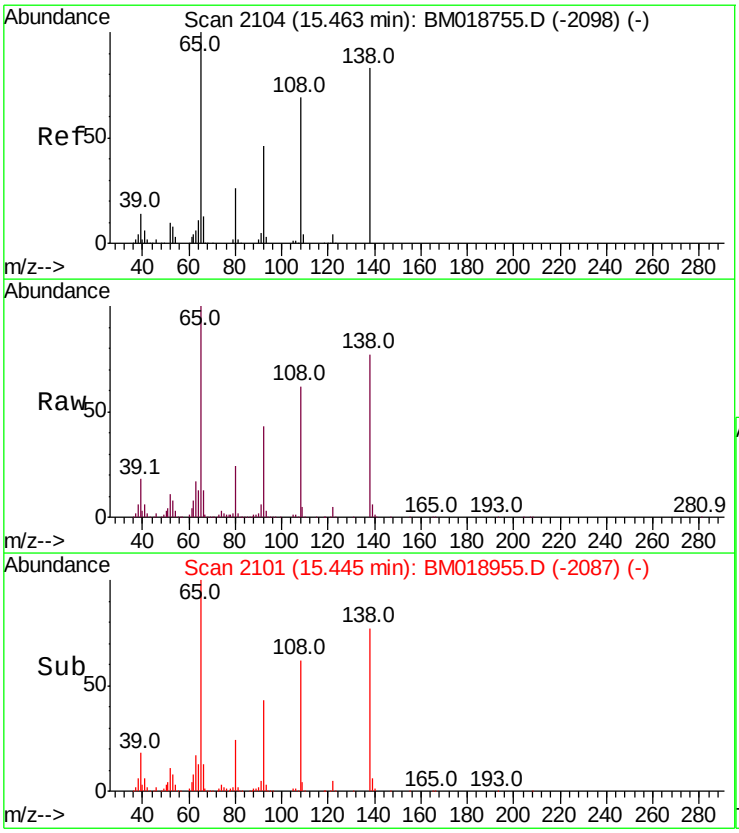
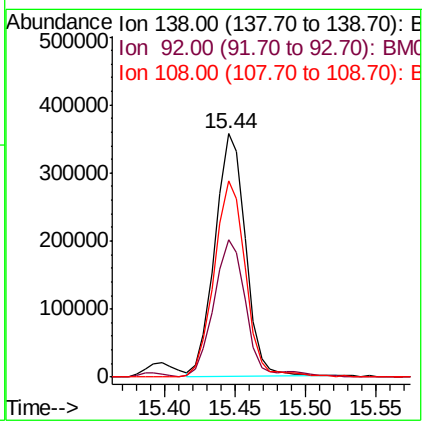
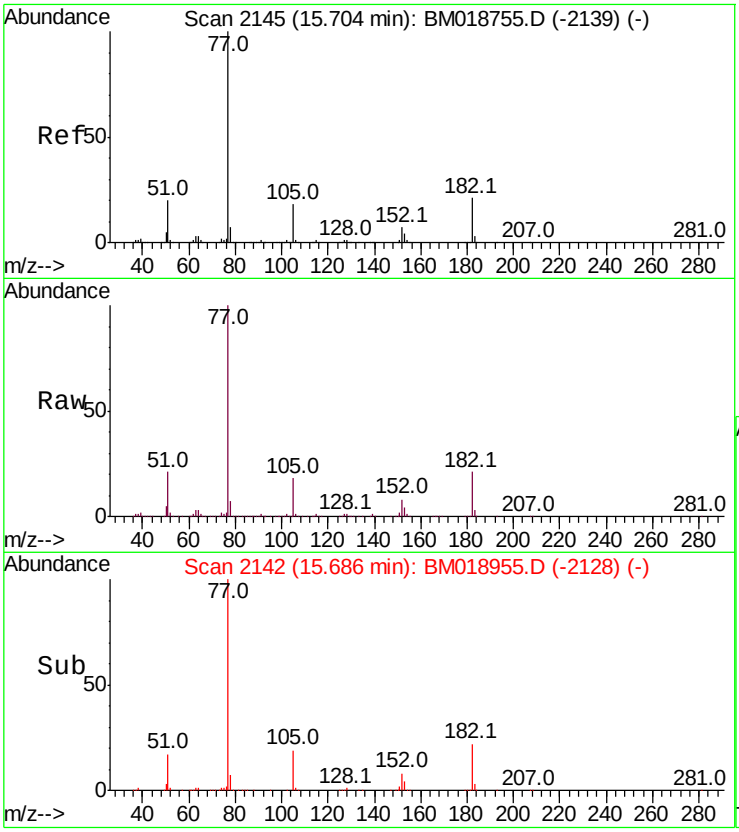


#62
4-Nitroaniline
Concen: 44.215 ng
RT: 15.44 min Scan# 2101
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:138 Resp: 538174

Ion	Ratio	Lower	Upper
138	100		
92	56.2	35.5	75.5
108	80.7	62.4	102.4

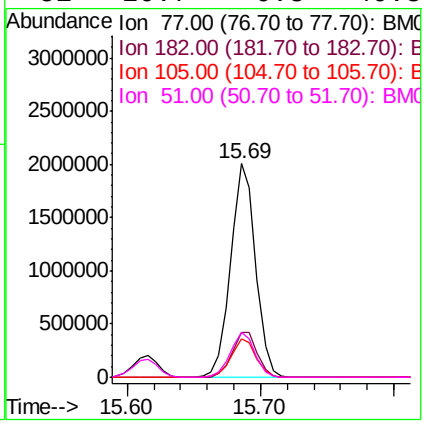




#63
Azobenzene
Concen: 46.271 ng
RT: 15.69 min Scan# 2142
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion: 77 Resp: 2595985

Ion	Ratio	Lower	Upper
77	100		
182	21.2	1.0	41.0
105	17.7	0.0	37.7
51	20.7	0.3	40.3



Instrument :
BNA_M
ClientSampleId :
SB-02-(5-10)MSD

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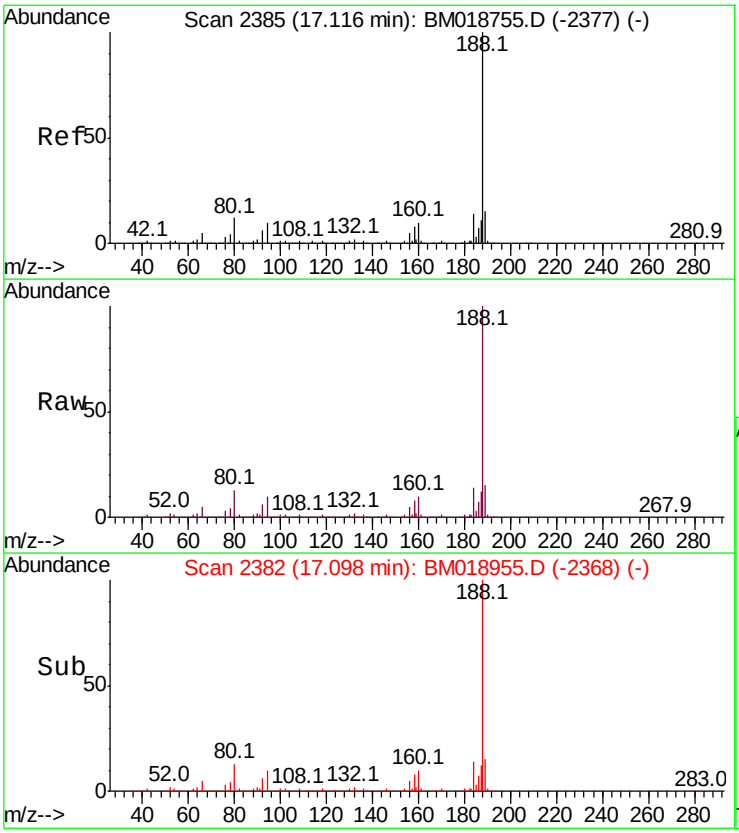
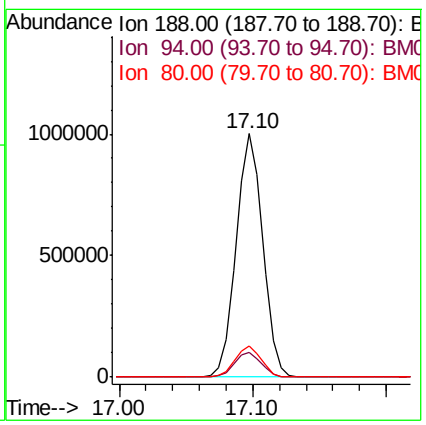
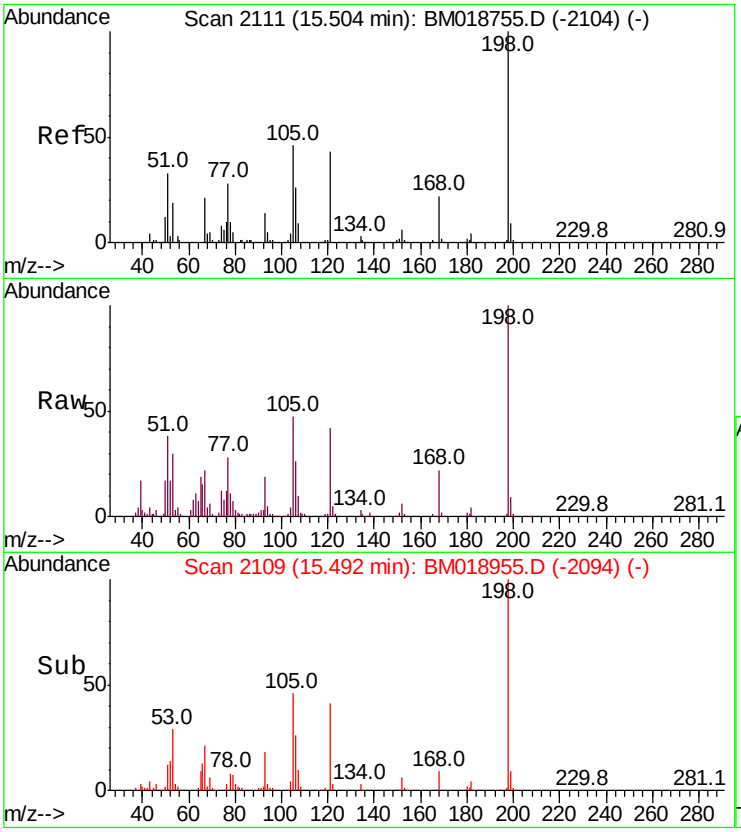


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.10 min Scan# 2382
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:188 Resp: 1378875

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.2	12.2
80	12.6	9.7	14.5





#65
4,6-Dinitro-2-methylphenol
Concen: 39.723 ng
RT: 15.49 min Scan# 2109
Delta R.T. -0.01 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:198 Resp: 384563

Ion	Ratio	Lower	Upper
198	100		
51	37.8	18.4	58.4
105	46.6	27.2	67.2

Instrument :
BNA_M
ClientSampleId :
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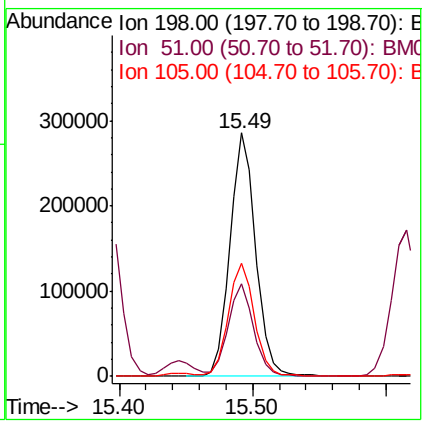
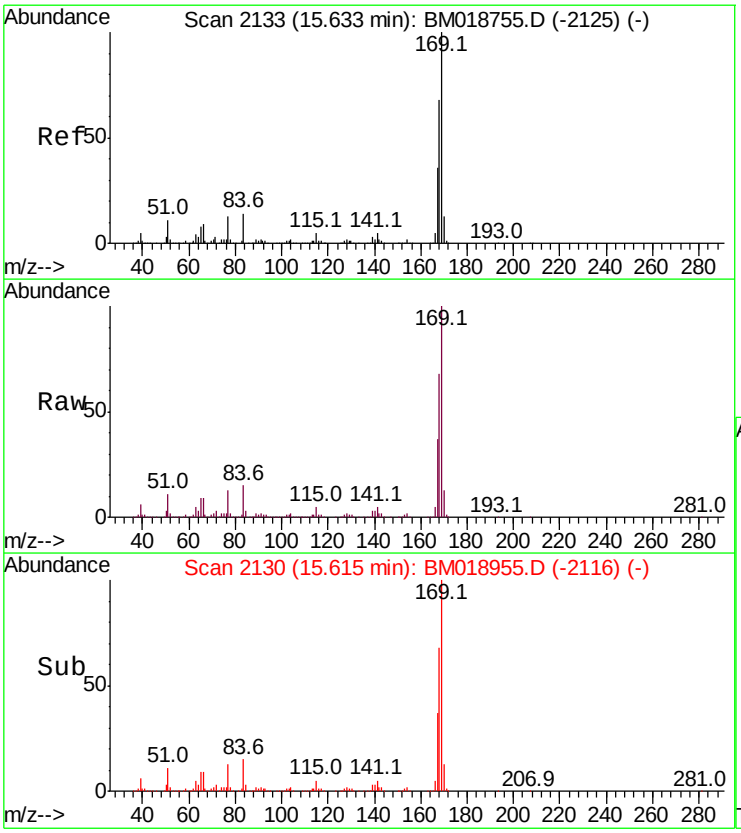
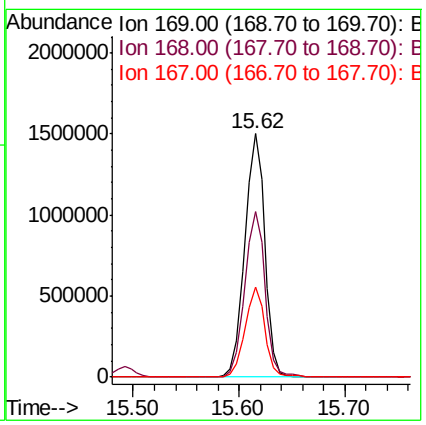


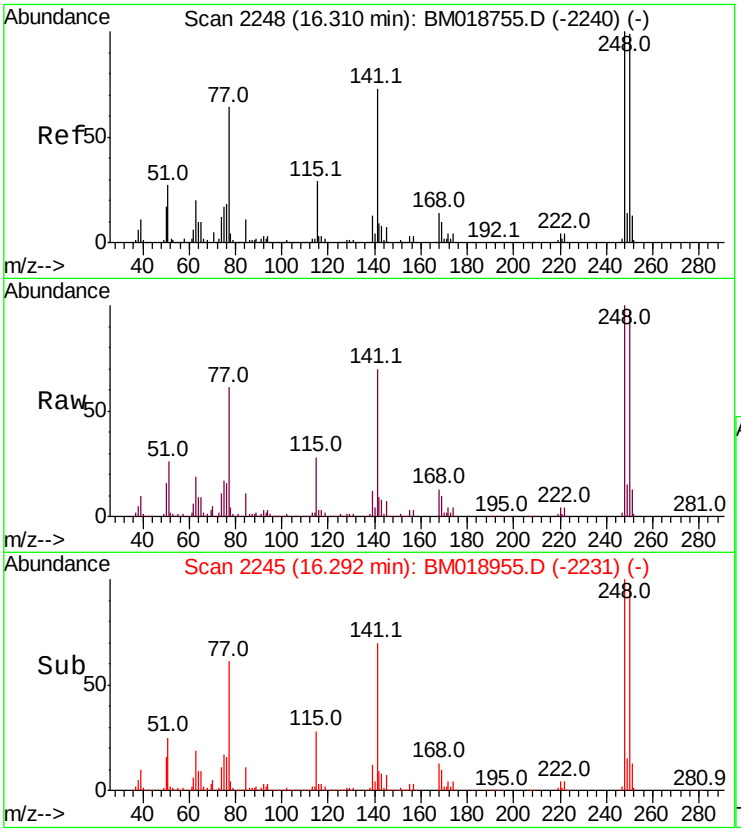


#66
n-Nitrosodiphenylamine
Concen: 45.478 ng
RT: 15.62 min Scan# 2130
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:169 Resp: 1981192

Ion	Ratio	Lower	Upper
169	100		
168	68.0	54.4	81.6
167	37.0	29.0	43.6

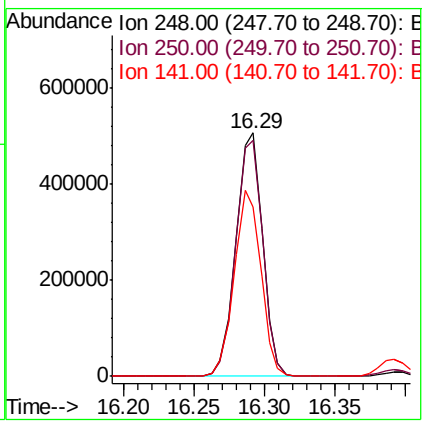




#67
4-Bromophenyl-phenylether
Concen: 43.320 ng
RT: 16.29 min Scan# 2245
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:248 Resp: 668601

Ion	Ratio	Lower	Upper
248	100		
250	97.0	79.0	118.6
141	69.8	58.6	88.0



Instrument :
BNA_M
ClientSampleId :
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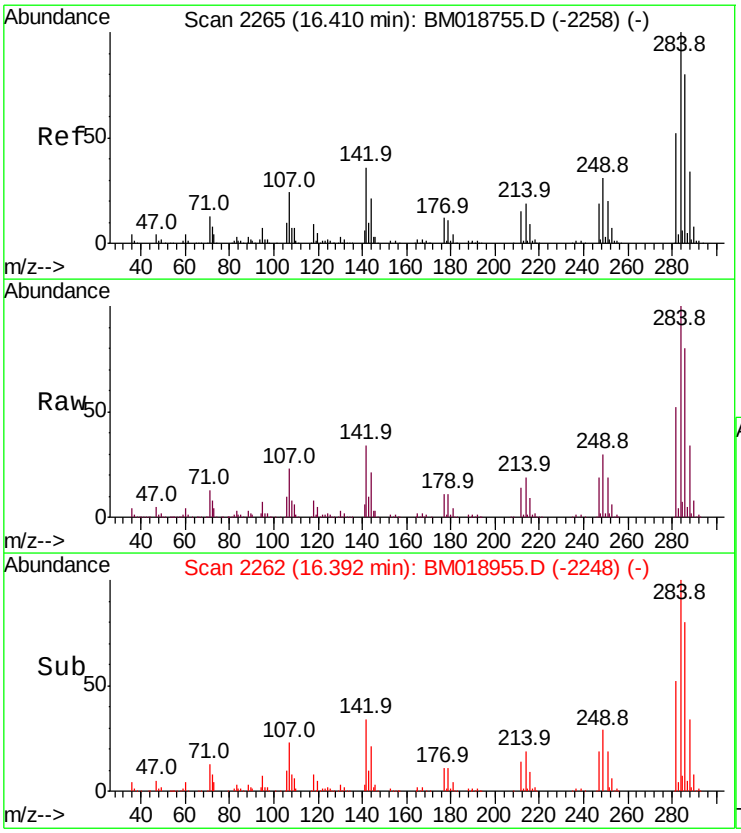
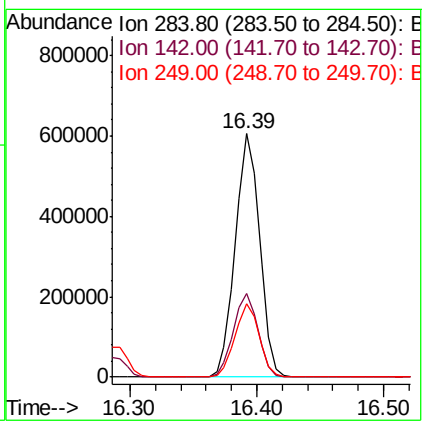
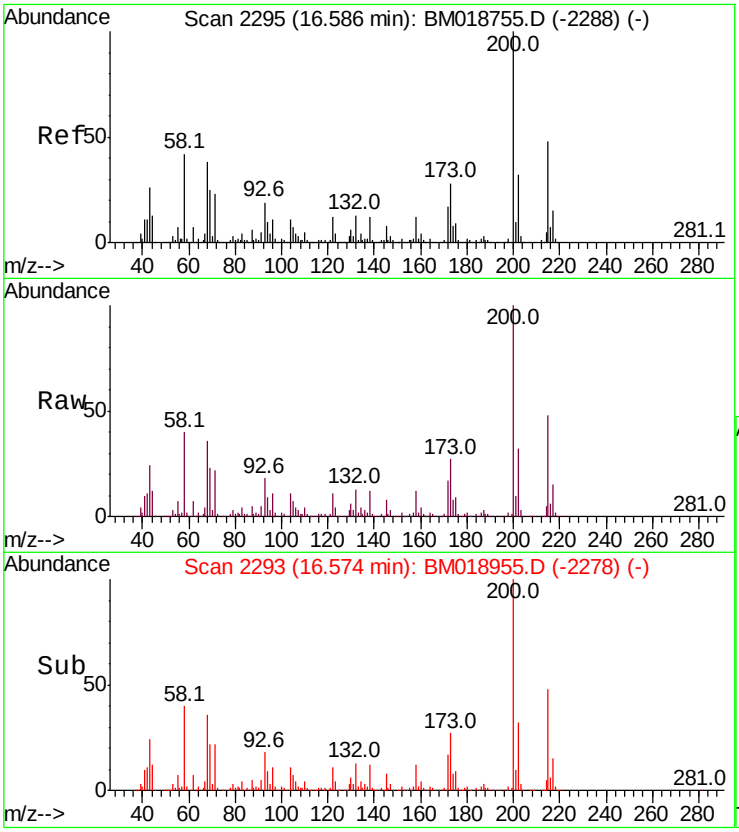


#68
Hexachlorobenzene
Concen: 44.735 ng
RT: 16.39 min Scan# 2262
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:284 Resp: 802532

Ion	Ratio	Lower	Upper
284	100		
142	34.1	28.9	43.3
249	29.9	24.8	37.2

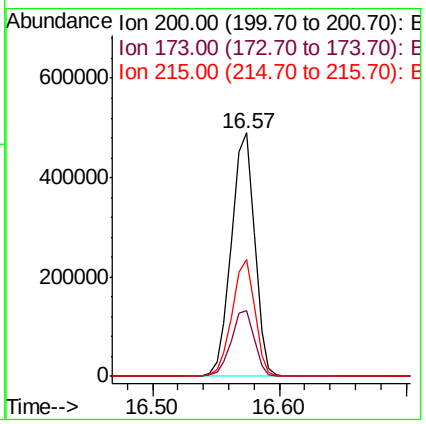




#69
Atrazine
Concen: 44.105 ng
RT: 16.57 min Scan# 2293
Delta R.T. -0.01 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:200 Resp: 619441

Ion	Ratio	Lower	Upper
200	100		
173	27.0	7.6	47.6
215	48.1	27.6	67.6



Instrument :
BNA_M
ClientSampleId :
SB-02-(5-10)MSD

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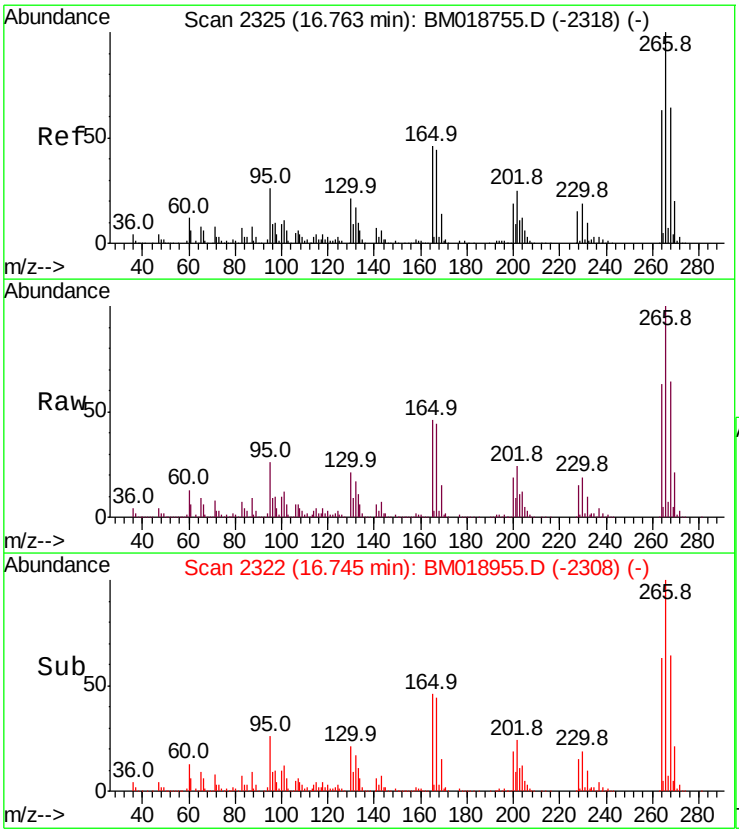
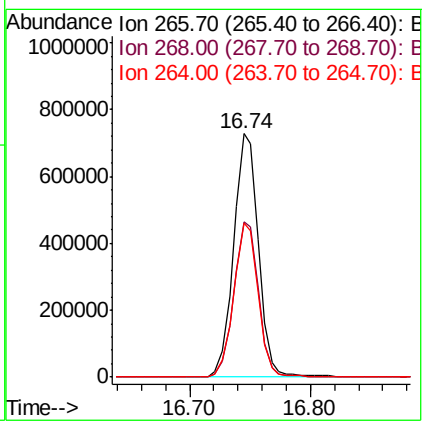
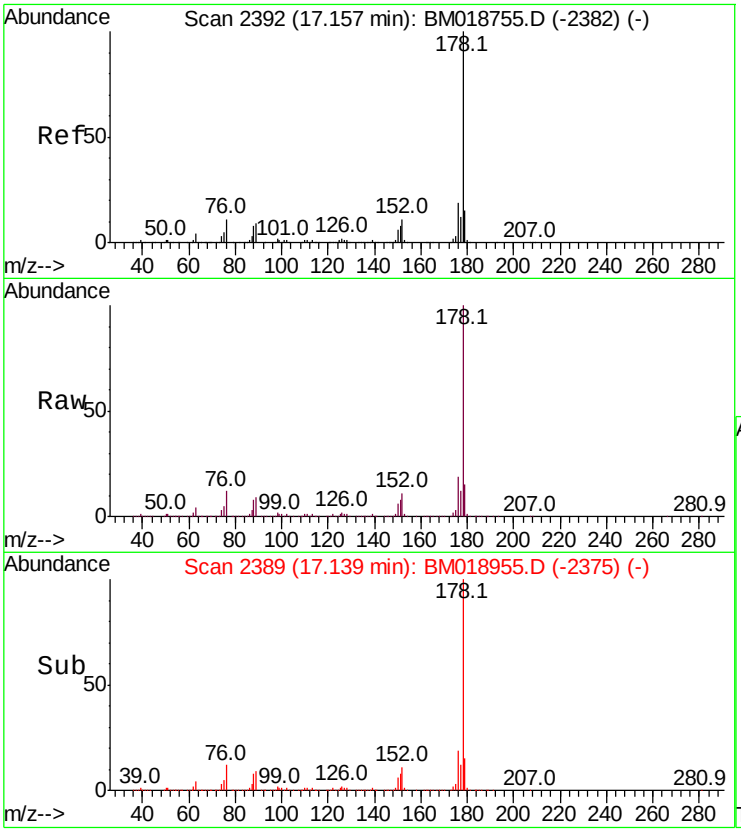


#70
Pentachlorophenol
Concen: 90.168 ng
RT: 16.74 min Scan# 2322
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:266 Resp: 1041533

Ion	Ratio	Lower	Upper
266	100		
268	63.8	51.3	76.9
264	63.1	50.6	75.8

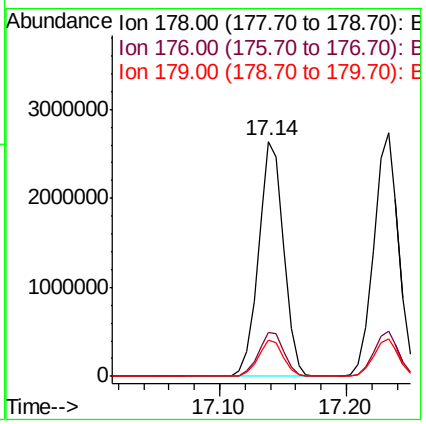




#71
Phenanthrene
Concen: 48.990 ng
RT: 17.14 min Scan# 2389
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:178 Resp: 3630277

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	15.2	12.3	18.5



Instrument :
BNA_M
ClientSampleId :
SB-02-(5-10)MSD

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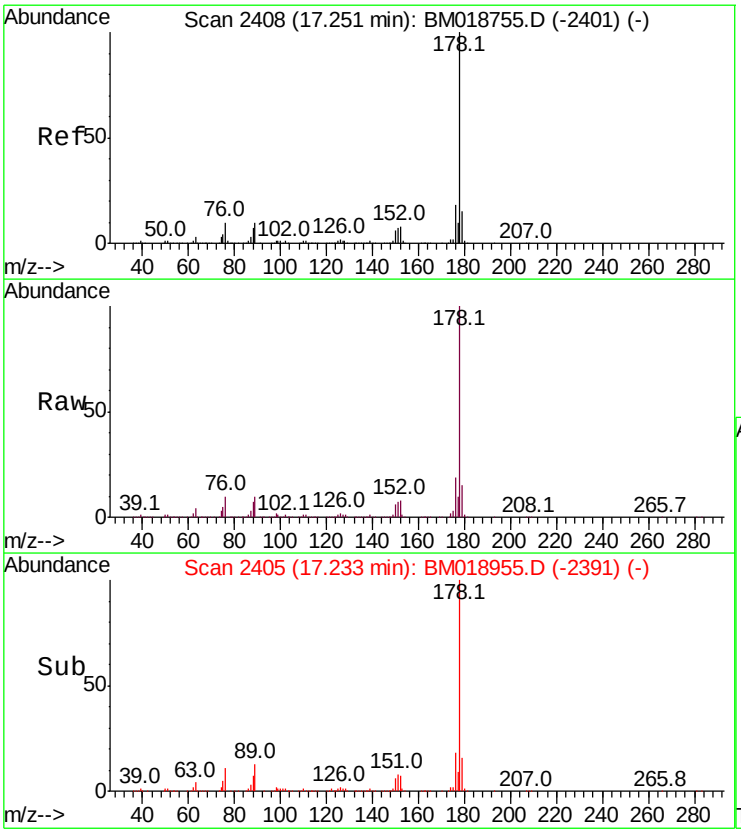
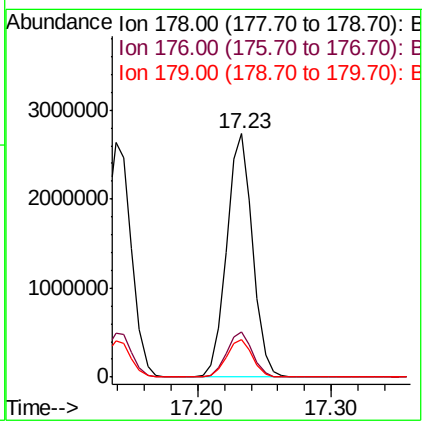
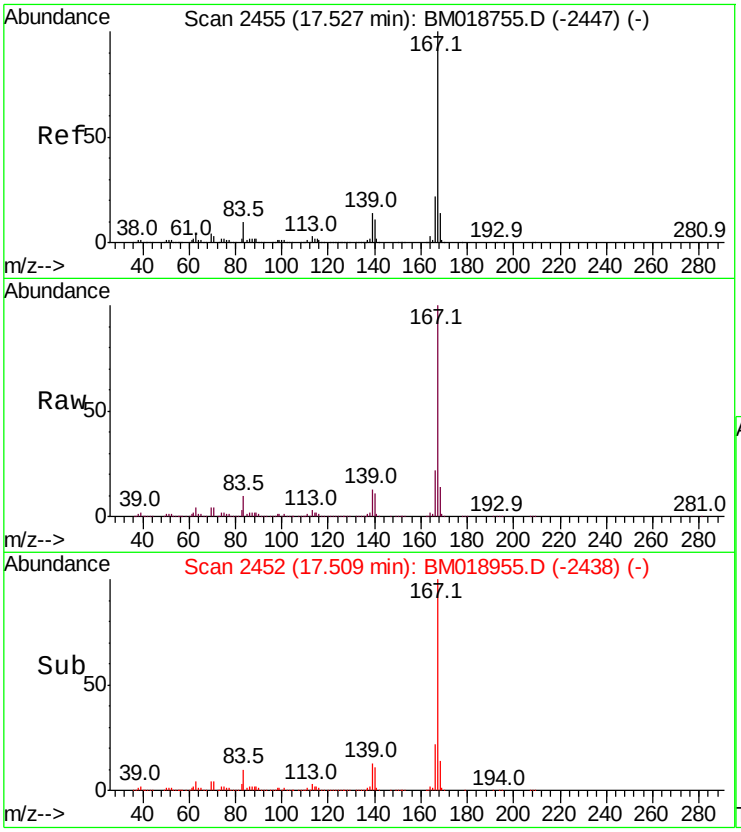


#72
Anthracene
Concen: 51.300 ng
RT: 17.23 min Scan# 2405
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:178 Resp: 3700099

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.2	12.1	18.1

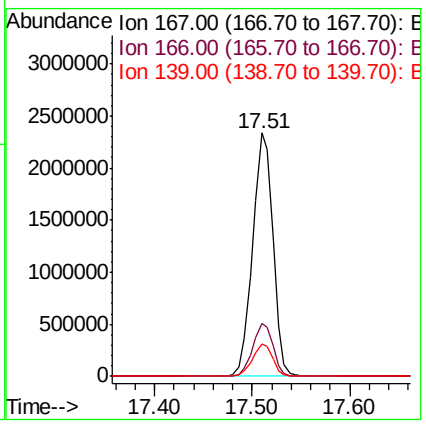




#73
Carbazole
Concen: 44.930 ng
RT: 17.51 min Scan# 2452
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:167 Resp: 3385717

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.7	26.5
139	13.1	10.9	16.3



Instrument :
BNA_M
ClientSampleId :
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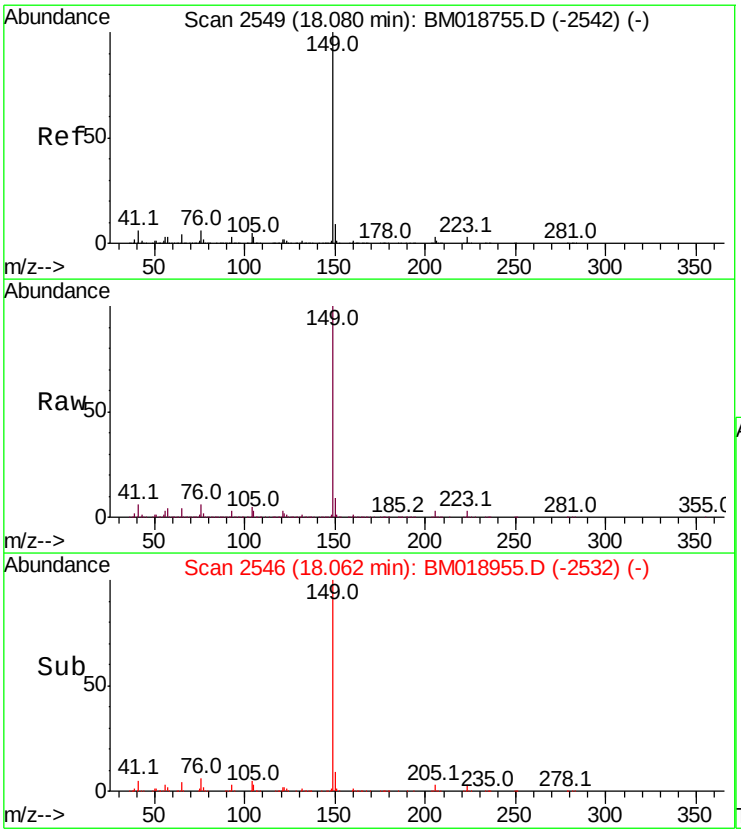
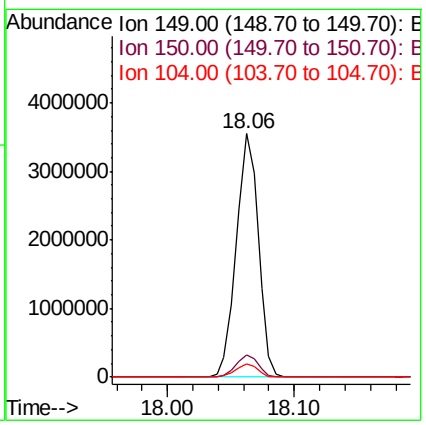
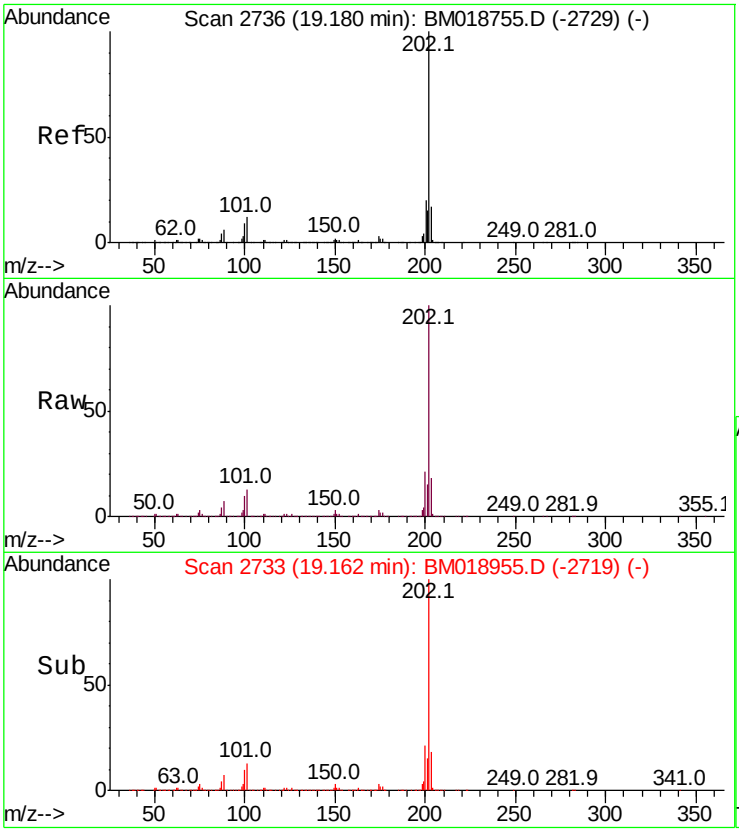


#74
Di-n-butylphthalate
Concen: 49.054 ng
RT: 18.06 min Scan# 2546
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:149 Resp: 4251207

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.4	4.3	6.5

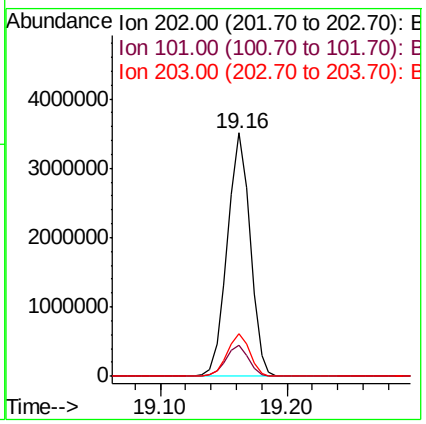




#75
Fluoranthene
Concen: 50.770 ng
RT: 19.16 min Scan# 2733
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:202 Resp: 4345846

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	31.5
203	17.8	0.0	37.3



Instrument :
BNA_M
ClientSampleId :
SB-02-(5-10)MSD

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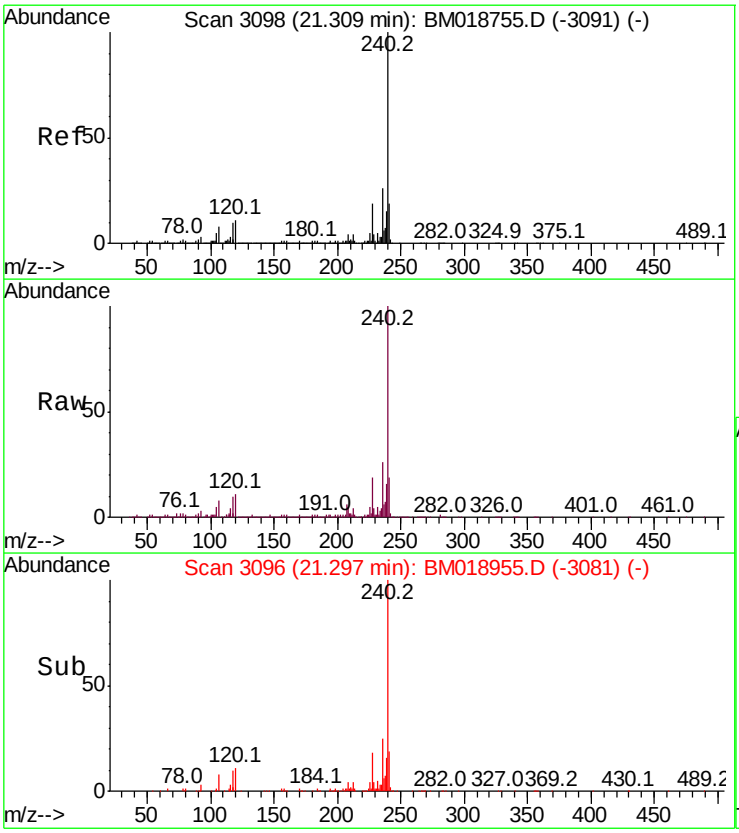
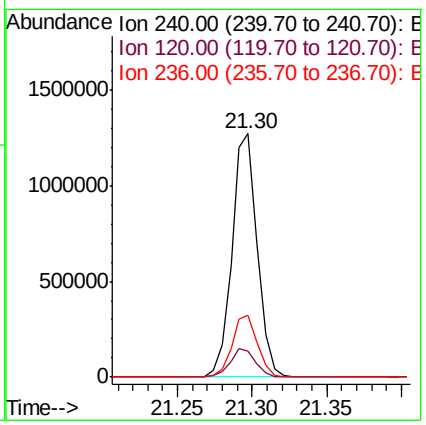
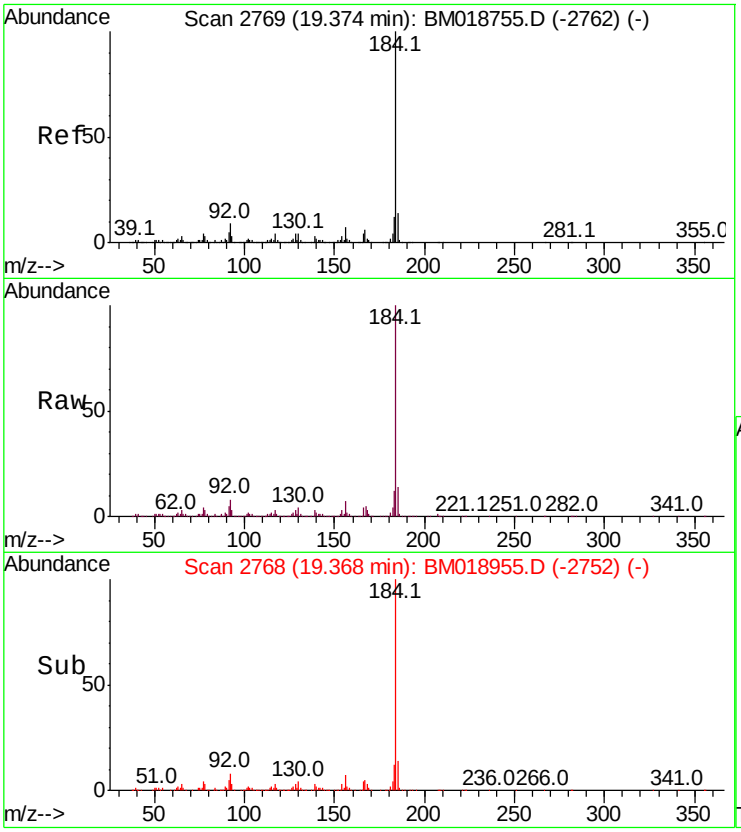


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.30 min Scan# 3096
Delta R.T. -0.01 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:240 Resp: 1498813

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.9	13.3
236	25.5	20.9	31.3

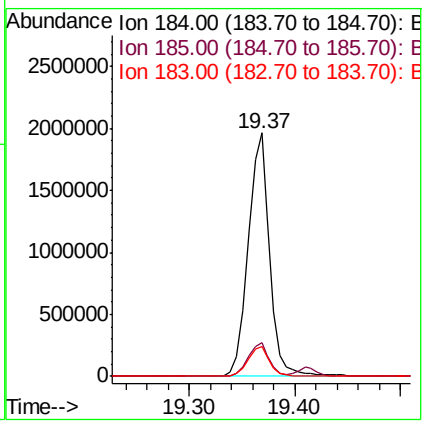




#77
Benzidine
Concen: 82.251 ng
RT: 19.37 min Scan# 2768
Delta R.T. -0.01 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:184 Resp: 2776402

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.2	16.8
183	12.3	9.7	14.5



Instrument :
BNA_M
ClientSampleId :
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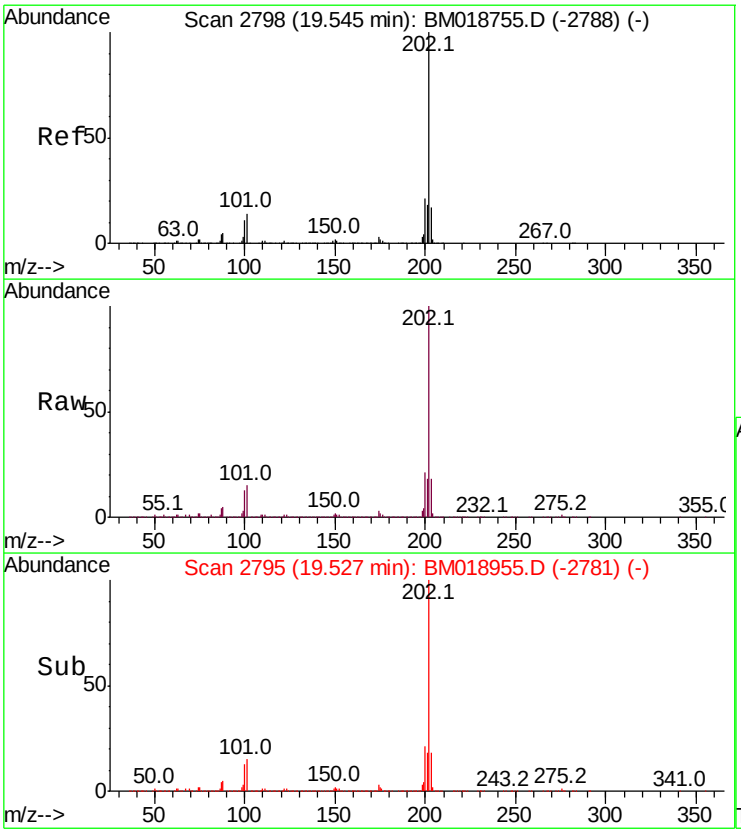
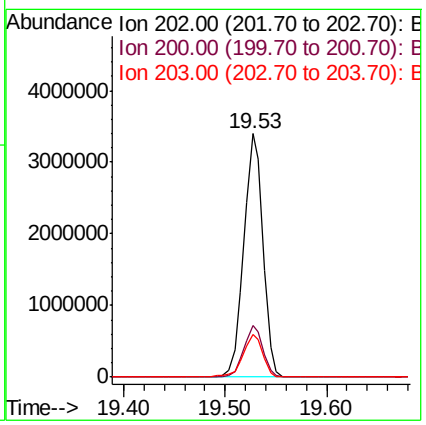
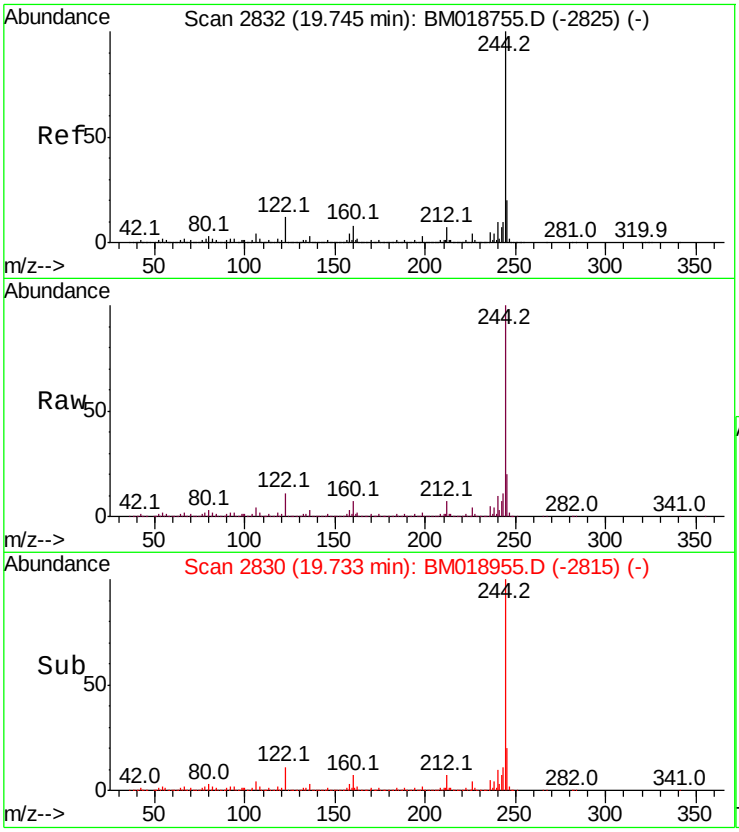


#78
Pyrene
Concen: 51.120 ng
RT: 19.53 min Scan# 2795
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:202 Resp: 4449981

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.8	13.8	20.8

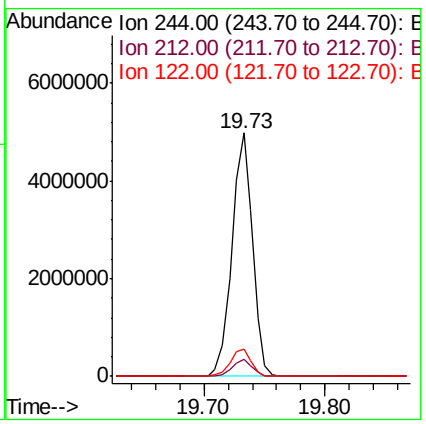




#79
Terphenyl-d14
Concen: 80.980 ng
RT: 19.73 min Scan# 2830
Delta R.T. -0.01 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:244 Resp: 5883656

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	11.0	9.3	13.9



Instrument :
BNA_M
ClientSampleId :
SB-02-(5-10)MSD

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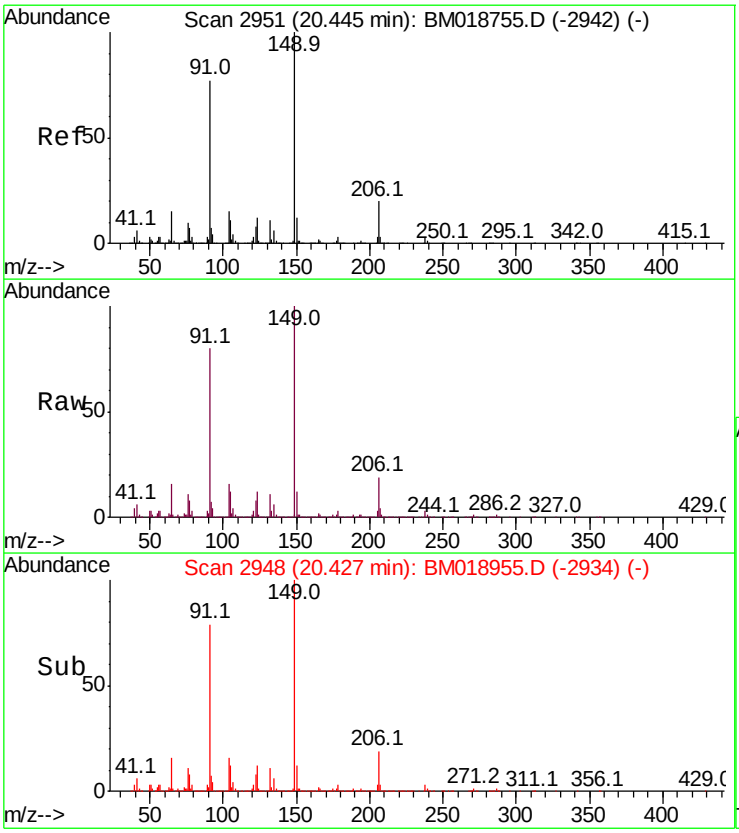
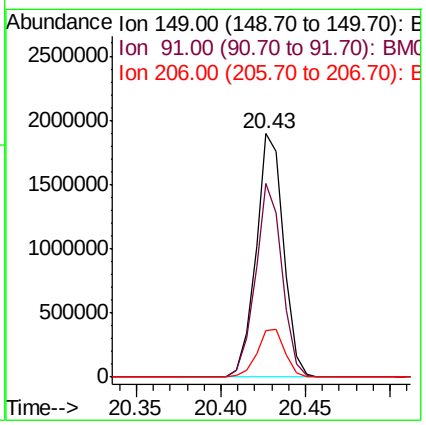
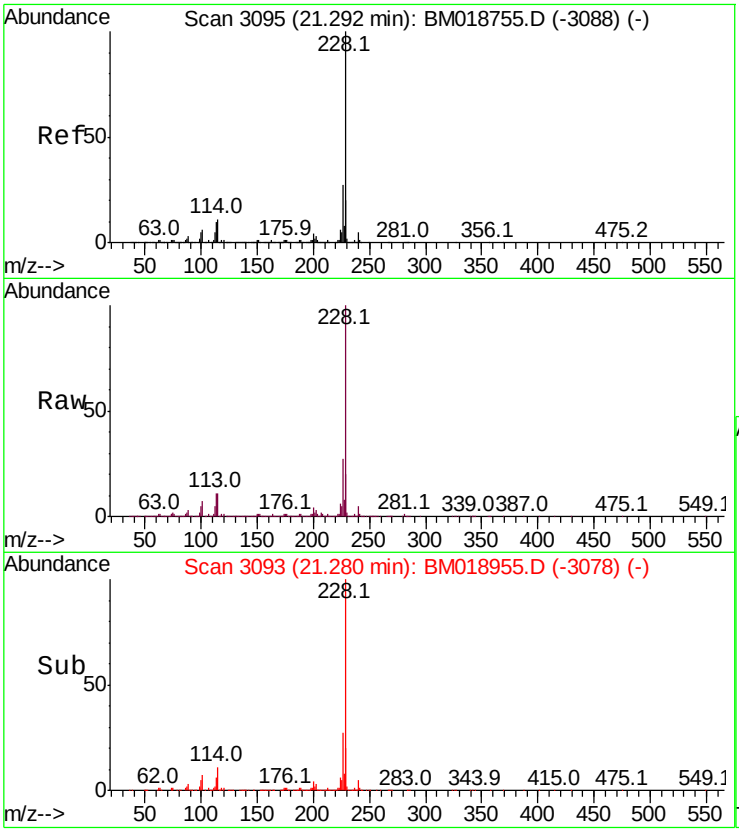


#80
Butylbenzylphthalate
Concen: 53.725 ng
RT: 20.43 min Scan# 2948
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:149 Resp: 2131359

Ion	Ratio	Lower	Upper
149	100		
91	79.5	61.4	92.0
206	19.3	15.8	23.8

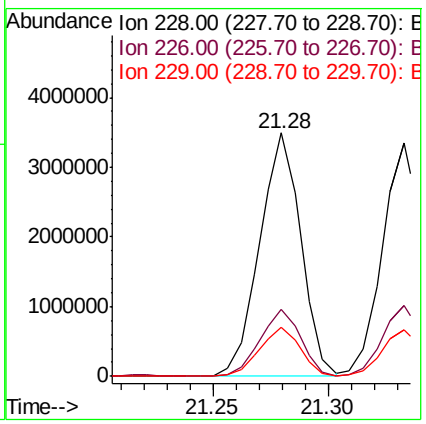




#81
Benzo(a)anthracene
Concen: 49.491 ng
RT: 21.28 min Scan# 3093
Delta R.T. -0.01 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:228 Resp: 4323980

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.9	32.9
229	19.9	15.9	23.9



Instrument :
BNA_M
ClientSampleId :
SB-02-(5-10)MSD

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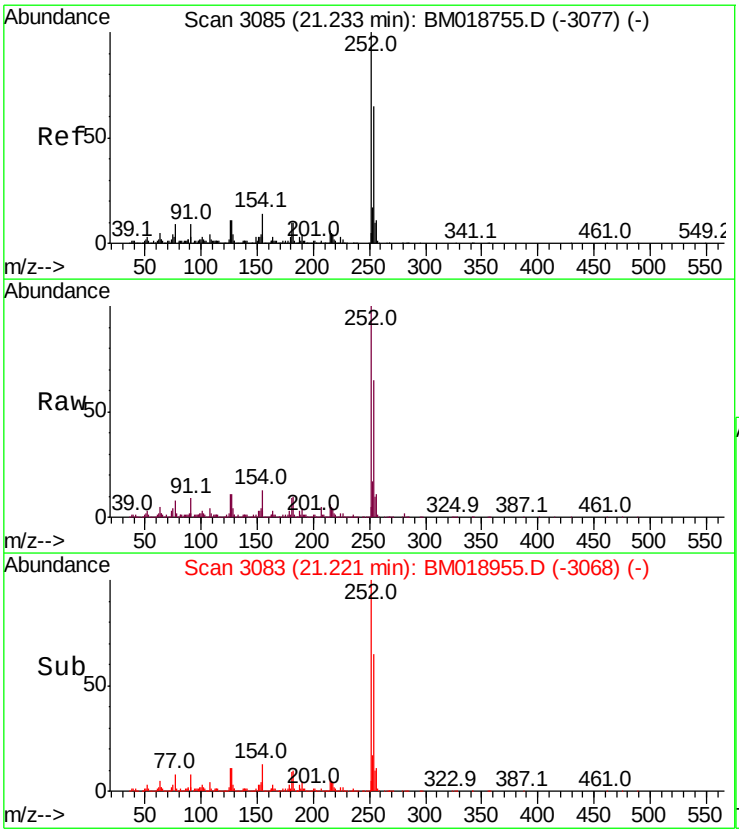
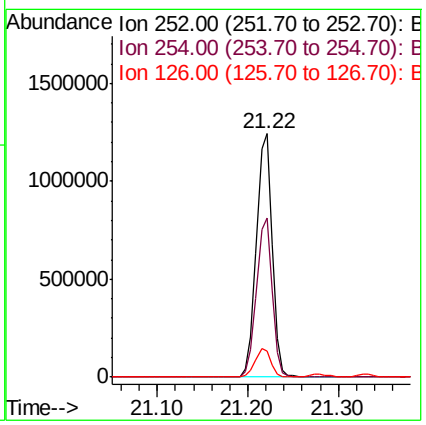
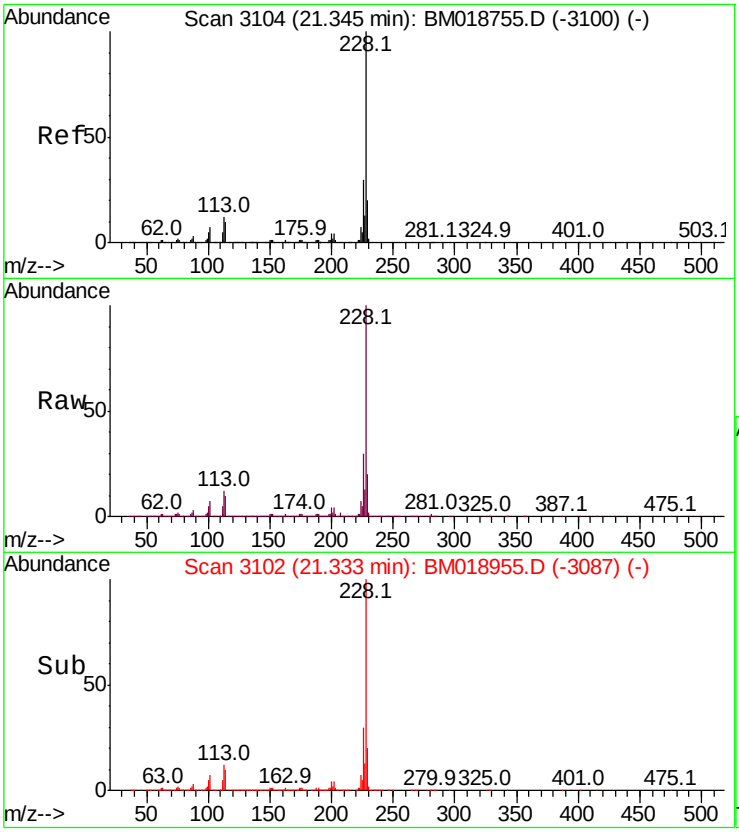


#82
3,3'-Dichlorobenzidine
Concen: 43.437 ng
RT: 21.22 min Scan# 3083
Delta R.T. -0.01 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:252 Resp: 1499860

Ion	Ratio	Lower	Upper
252	100		
254	65.5	51.8	77.8
126	10.8	9.1	13.7

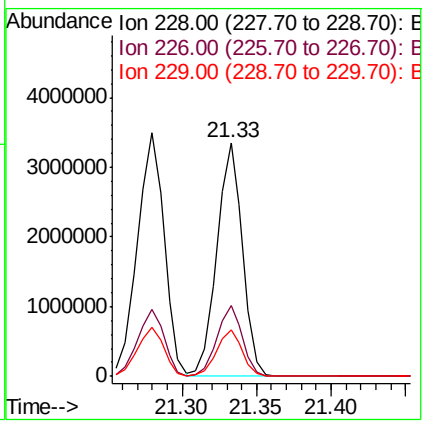




#83
Chrysene
Concen: 48.152 ng
RT: 21.33 min Scan# 3102
Delta R.T. -0.01 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:228 Resp: 4032354

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.1	36.1
229	20.0	16.0	24.0



Instrument :
BNA_M
ClientSampleId :
SB-02-(5-10)MSD

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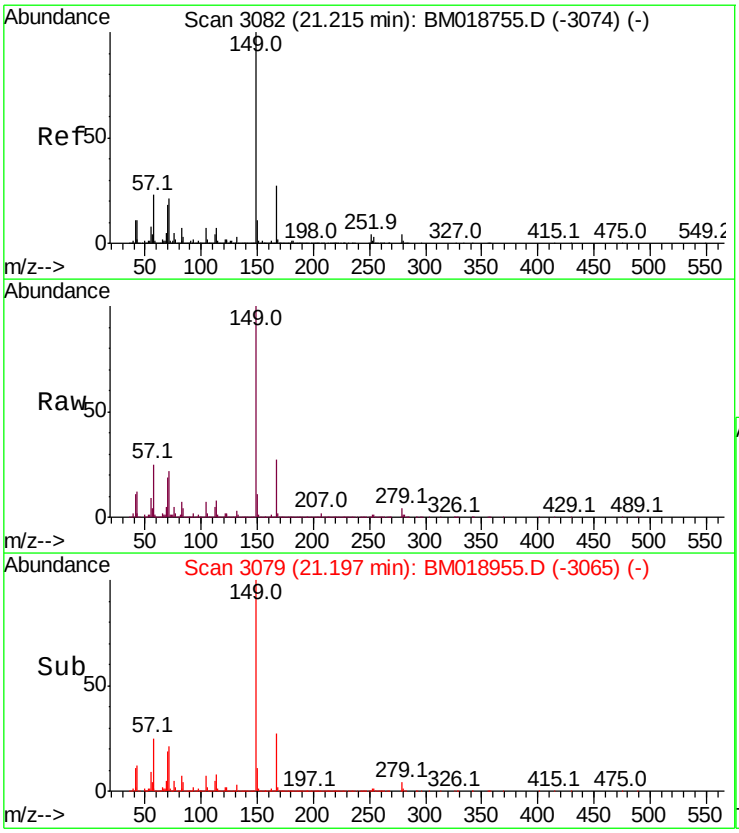
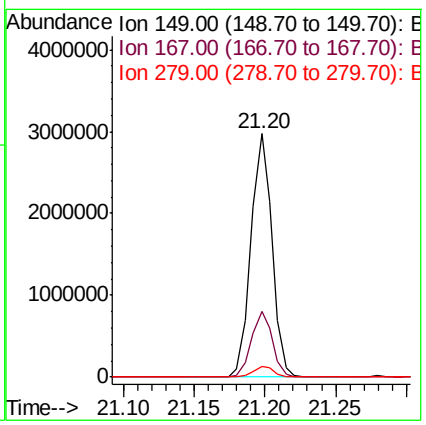
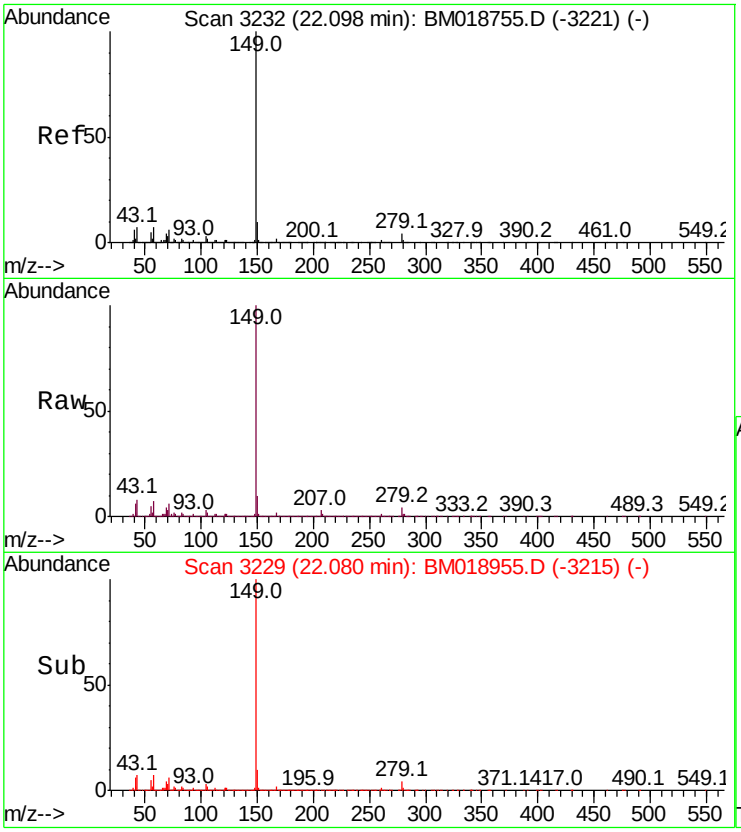


#84
Bis(2-ethylhexyl)phthalate
Concen: 53.615 ng
RT: 21.20 min Scan# 3079
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:149 Resp: 3113123

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.8	32.6
279	4.4	3.6	5.4

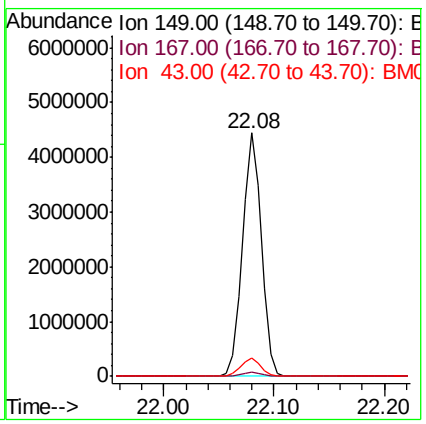




#85
Di-n-octyl phthalate
Concen: 54.878 ng
RT: 22.08 min Scan# 3229
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:149 Resp: 5355532

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.6	6.0	9.0



Instrument :
BNA_M
ClientSampleId :
SB-02-(5-10)MSD

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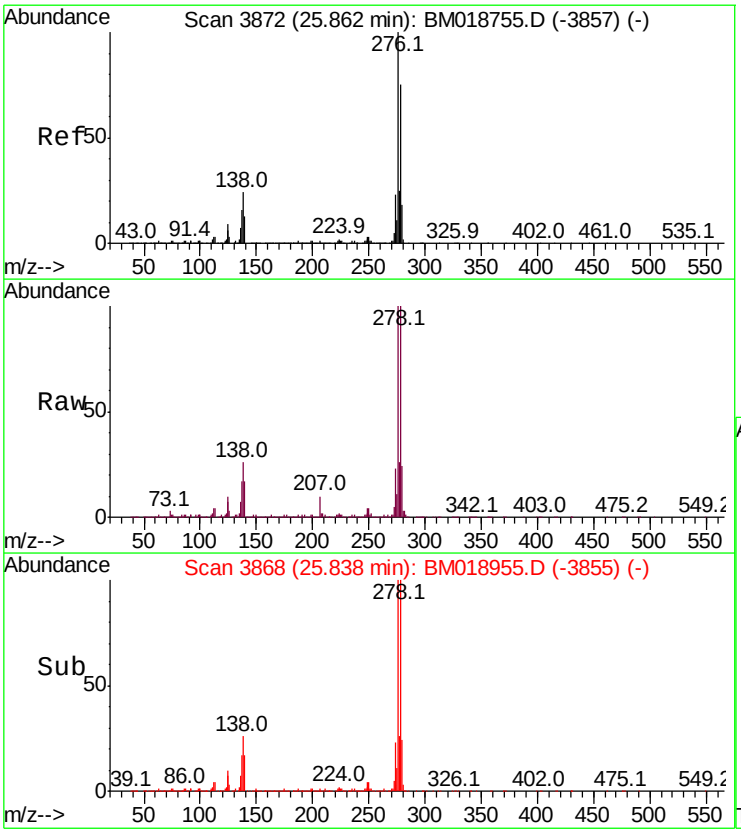
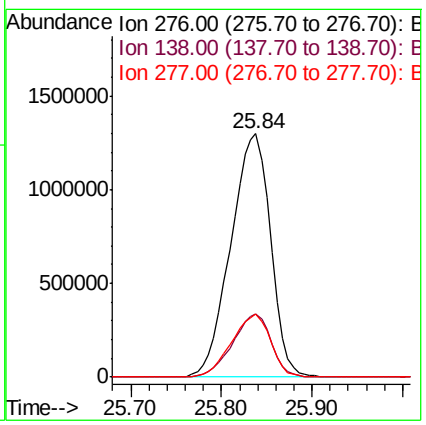
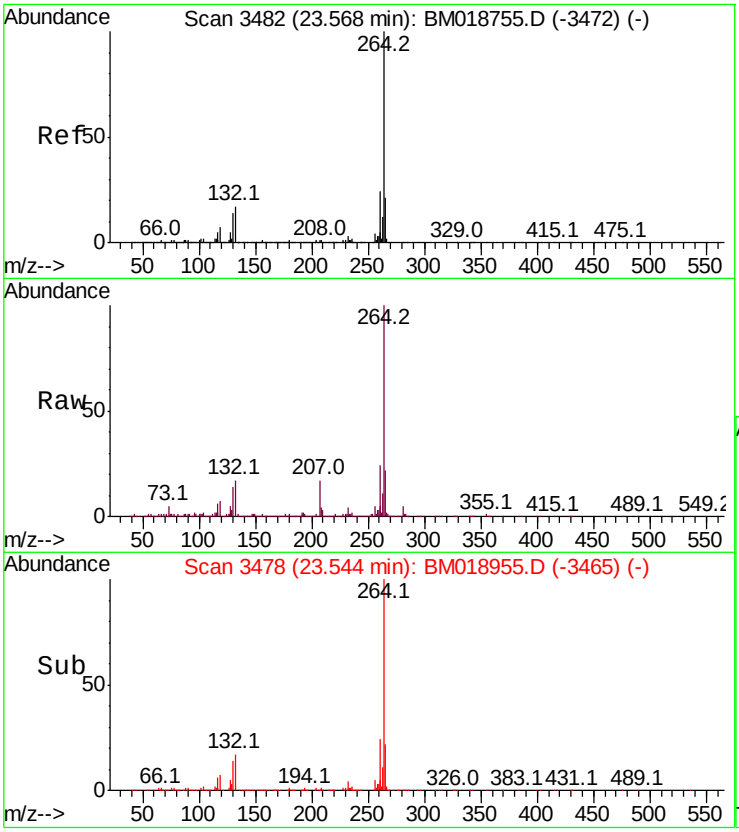


#86
Indeno(1,2,3-cd)pyrene
Concen: 40.553 ng
RT: 25.84 min Scan# 3868
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:276 Resp: 3920815

Ion	Ratio	Lower	Upper
276	100		
138	25.0	20.2	30.4
277	25.4	20.3	30.5

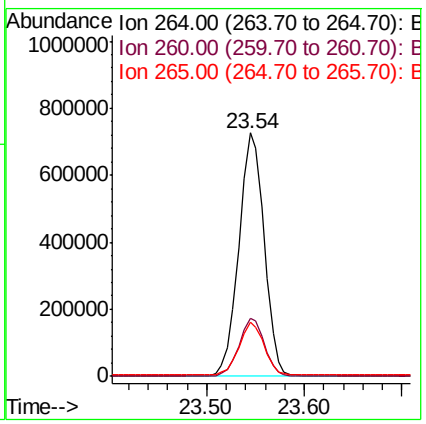




#87
Perylene-d12
Concen: 20.000 ng
RT: 23.54 min Scan# 3478
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:264 Resp: 1309854

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	22.2	17.3	25.9



Instrument :
BNA_M
ClientSampleId :
SB-02-(5-10)MSD

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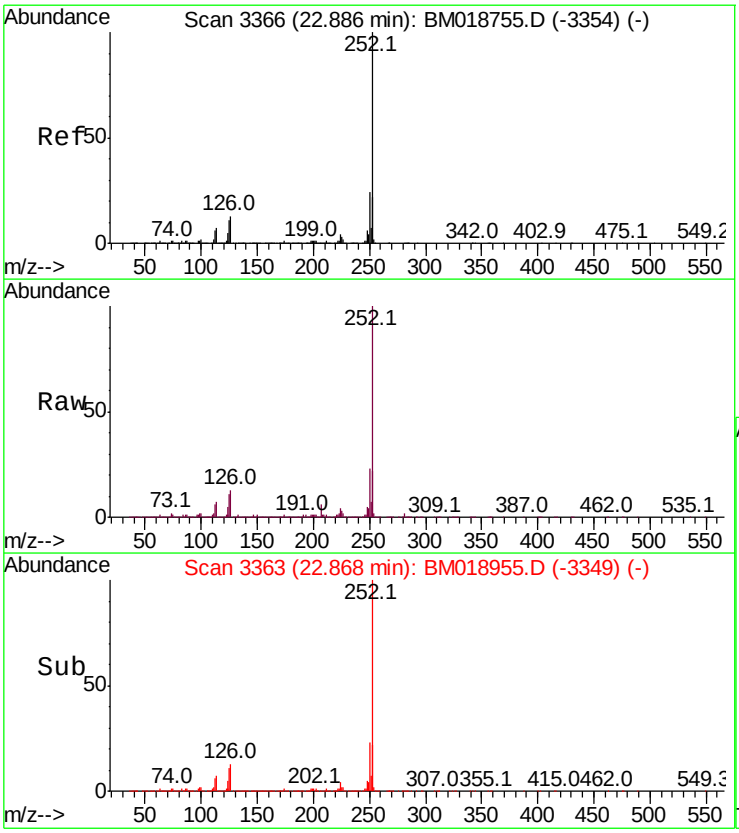
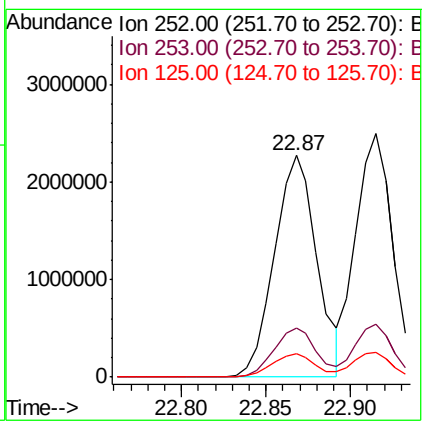
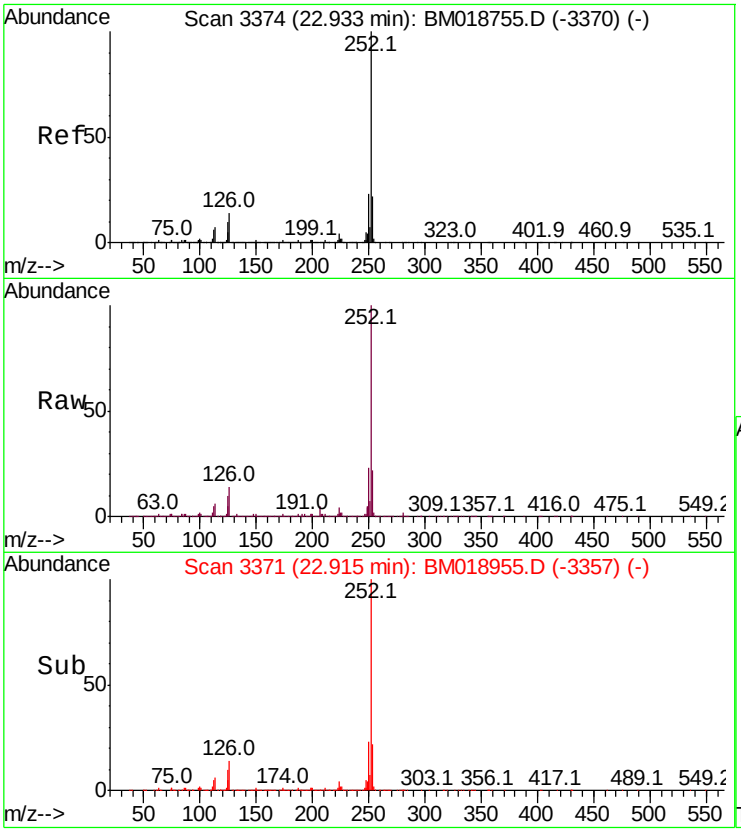


#88
Benzo(b)fluoranthene
Concen: 52.820 ng
RT: 22.87 min Scan# 3363
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:252 Resp: 3958457

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	10.7	8.6	12.8

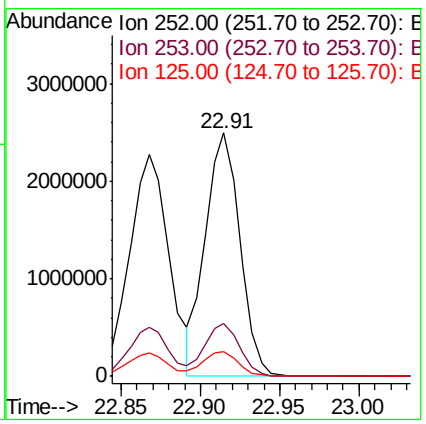




#89
Benzo(k)fluoranthene
Concen: 50.658 ng
RT: 22.91 min Scan# 3371
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:252 Resp: 3779564

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	10.1	8.2	12.4



Instrument :
BNA_M
ClientSampleId :
SB-02-(5-10)MSD

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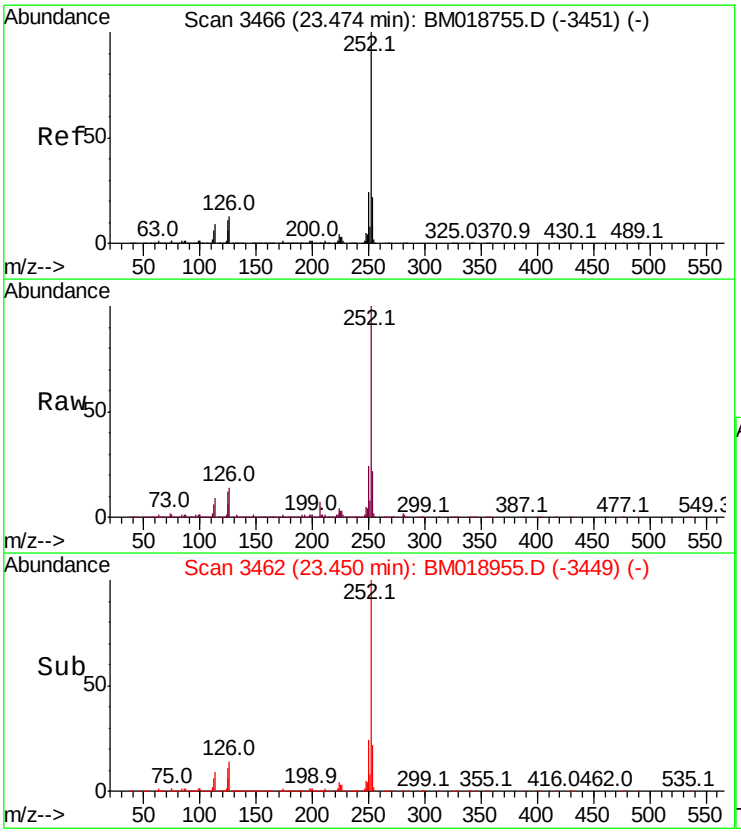
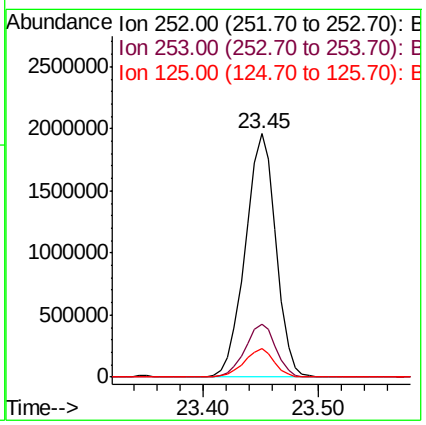
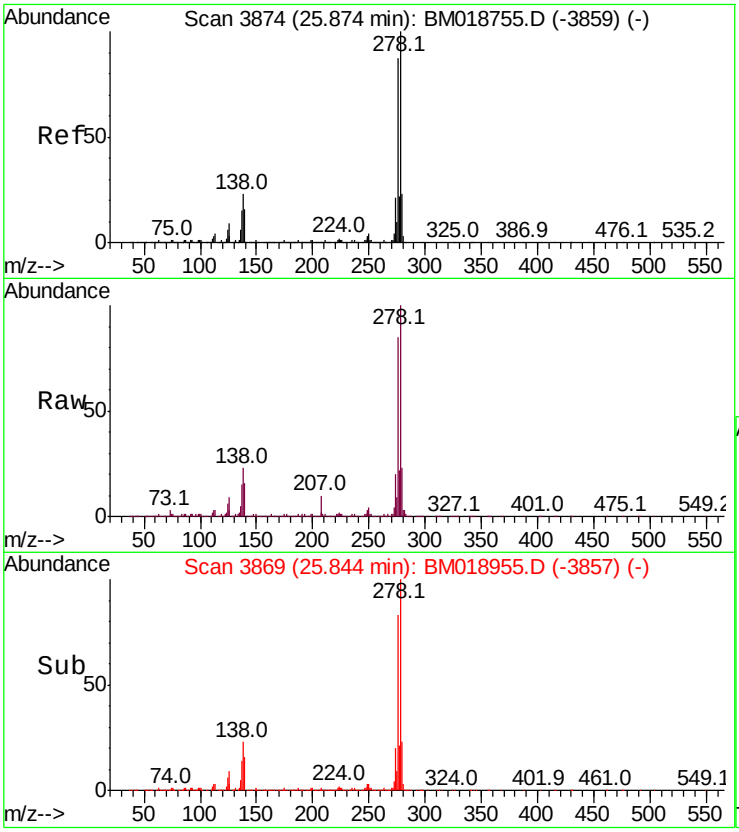


#90
Benzo(a)pyrene
Concen: 50.886 ng
RT: 23.45 min Scan# 3462
Delta R.T. -0.02 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:252 Resp: 3612619

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0
125	11.6	8.6	13.0

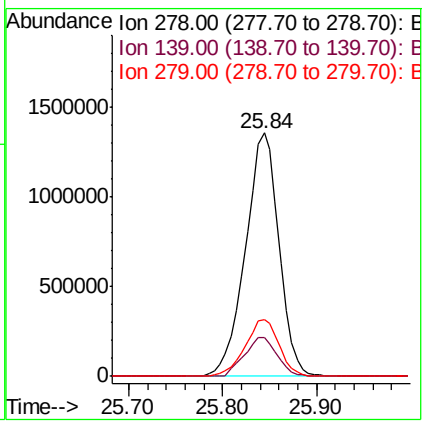




#91
Dibenzo(a,h)anthracene
Concen: 47.567 ng
RT: 25.84 min Scan# 3869
Delta R.T. -0.03 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:278 Resp: 3345711

Ion	Ratio	Lower	Upper
278	100		
139	15.8	12.6	18.8
279	23.1	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
SB-02-(5-10)MSD

Manual Integrations APPROVED
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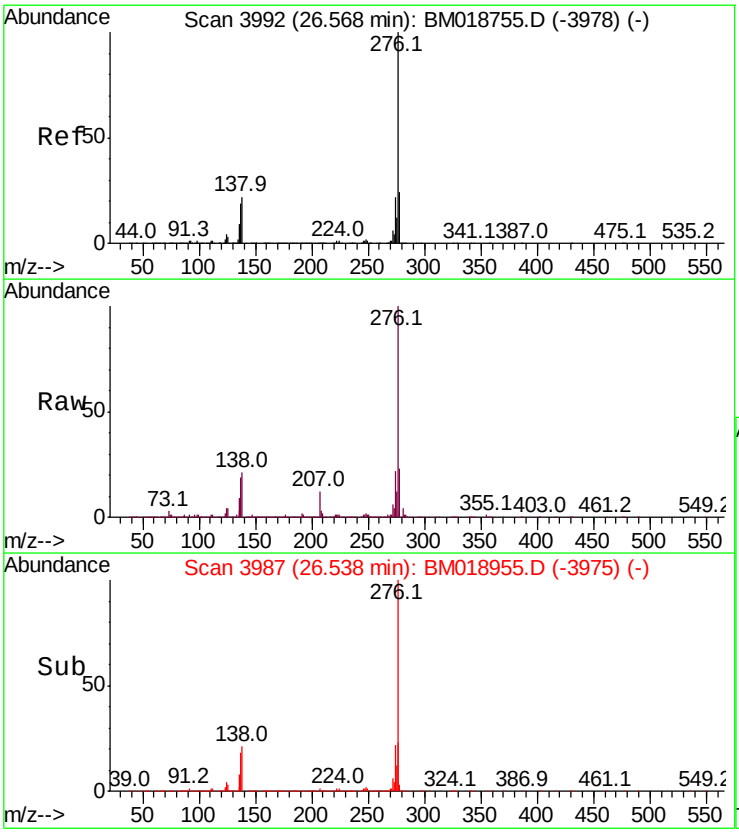
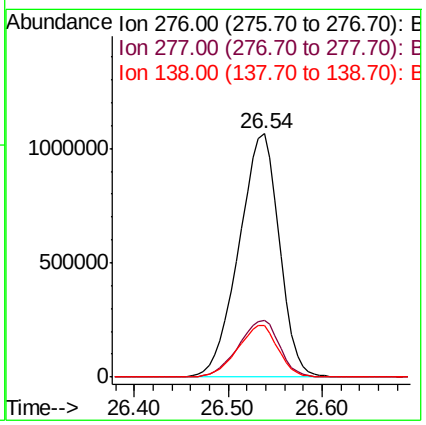


#92
Benzo(g,h,i)perylene
Concen: 48.085 ng
RT: 26.54 min Scan# 3987
Delta R.T. -0.03 min
Lab File: BM018955.D
Acq: 27 Feb 2019 18:34

Tgt Ion:276 Resp: 3148718

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.2	28.8
138	21.1	17.3	25.9