Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092618\
Data File : BF109340.D
Acq On : 26 Sep 2018 16:53
Operator : JU/SJ
Sample : J5070-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CS-RBR-200027MSD

Manual Integrations APPROVED
Sohil
9/27/2018 1:31:15 PM

Quant Time: Sep 27 05:49:31 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 22 13:32:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	105621	20.00	ng		0.00
21) Naphthalene-d8	7.99	136	412347	20.00	ng		0.00
38) Acenaphthene-d10	9.74	164	201783	20.00	ng		0.00
63) Phenanthrene-d10	11.22	188	382308	20.00	ng		0.00
75) Chrysene-d12	13.84	240	248196	20.00	ng		0.00
86) Perylene-d12	15.24	264	295293	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.32	112	662930	103.38	ng		0.00
7) Phenol-d6	6.36	99	854650	104.45	ng		0.00
23) Nitrobenzene-d5	7.27	82	523609	74.96	ng		-0.01
41) 2,4,6-Tribromophenol	10.53	330	226427	113.83	ng		0.00
44) 2-Fluorobiphenyl	9.06	172	749137	55.99	ng		-0.01
78) Terphenyl-d14	12.80	244	638649	63.15	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.39	88	82586	27.963	ng		94
3) Pyridine	3.10	79	244545	32.172	ng		93
4) n-Nitrosodimethylamine	3.03	42	117600	36.354	ng	#	96
6) Aniline	6.37	93	296440	28.316	ng	#	30
8) 2-Chlorophenol	6.50	128	256142	35.919	ng		93
9) Benzaldehyde	6.25	77	153405	29.183	ng		98
10) Phenol	6.37	94	336705	36.335	ng	#	68
11) bis(2-Chloroethyl)ether	6.45	93	243013	33.514	ng		97
12) 1,3-Dichlorobenzene	6.65	146	268756	32.733	ng		99
13) 1,4-Dichlorobenzene	6.73	146	273899	33.113	ng		98
14) 1,2-Dichlorobenzene	6.88	146	258070	33.821	ng		98
15) Benzyl Alcohol	6.85	79	231376	36.941	ng		95
16) 2,2'-oxybis(1-Chloropropan	6.99	45	333808	32.455	ng		95
17) 2-Methylphenol	6.97	107	211803	36.708	ng		97
18) Hexachloroethane	7.22	117	96500	33.114	ng		96
19) n-Nitroso-di-n-propylamine	7.13	70	178592	33.308	ng		98
20) 3+4-Methylphenols	7.12	107	257244	36.927	ng	#	67
22) Acetophenone	7.12	105	357188	37.467	ng	#	95
24) Nitrobenzene	7.29	77	272707	36.718	ng		96
25) Isophorone	7.53	82	491323	39.060	ng		99
26) 2-Nitrophenol	7.60	139	130600	44.464	ng		94
27) 2,4-Dimethylphenol	7.65	122	231782	42.290	ng		100
28) bis(2-Chloroethoxy)methane	7.75	93	306153	36.768	ng		99
29) 2,4-Dichlorophenol	7.85	162	217420	37.757	ng		97
30) 1,2,4-Trichlorobenzene	7.93	180	219974	34.186	ng		97
31) Naphthalene	8.01	128	726484	37.702	ng		100
32) Benzoic acid	7.71	122	8975m	8.865	ng		
33) 4-Chloroaniline	8.06	127	208060	24.717	ng		99
34) Hexachlorobutadiene	8.14	225	125935	32.465	ng		100
35) Caprolactam	8.42	113	69500m	37.803	ng		
36) 4-Chloro-3-methylphenol	8.55	107	232771	38.414	ng		99
37) 2-Methylnaphthalene	8.70	142	484725	39.022	ng		98
39) 1,2,4,5-Tetrachlorobenzene	8.87	216	217328	33.842	ng		98
40) Hexachlorocyclopentadiene	8.86	237	175020	62.485	ng		100

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Sample : J5070-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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Quant Time: Sep 27 05:49:31 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 22 13:32:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	8.98	196	158637	38.490	ng		99
43) 2,4,5-Trichlorophenol	9.02	196	169508	38.941	ng		97
45) 1,1'-Biphenyl	9.16	154	573387	34.877	ng		99
46) 2-Chloronaphthalene	9.19	162	445670	33.933	ng		99
47) 2-Nitroaniline	9.28	65	147115	39.507	ng		93
48) Acenaphthylene	9.60	152	732509	36.970	ng		99
49) Dimethylphthalate	9.47	163	871590	59.387	ng		99
50) 2,6-Dinitrotoluene	9.53	165	117794	40.525	ng		98
51) Acenaphthene	9.77	154	432477	36.102	ng		98
52) 3-Nitroaniline	9.69	138	109523	32.536	ng		99
53) 2,4-Dinitrophenol	9.80	184	13358	20.084	ng	#	21
54) Dibenzofuran	9.95	168	626270	35.153	ng		98
55) 4-Nitrophenol	9.86	139	172114	67.874	ng		96
56) 2,4-Dinitrotoluene	9.93	165	157251	42.757	ng	#	98
57) Fluorene	10.29	166	484032	38.079	ng		98
58) 2,3,4,6-Tetrachlorophenol	10.06	232	138562	40.203	ng		89
59) Diethylphthalate	10.17	149	525519	35.360	ng		96
60) 4-Chlorophenyl-phenylether	10.28	204	226289	34.084	ng		92
61) 4-Nitroaniline	10.30	138	121329	36.959	ng		98
62) Azobenzene	10.44	77	521425	33.769	ng		95
64) 4,6-Dinitro-2-methylphenol	10.34	198	41133	29.750	ng	#	75
65) n-Nitrosodiphenylamine	10.40	169	456361	36.129	ng		95
66) 4-Bromophenyl-phenylether	10.77	248	151546	35.697	ng	#	86
67) Hexachlorobenzene	10.84	284	159907	35.465	ng	#	87
68) Atrazine	10.93	200	148572	38.245	ng		96
69) Pentachlorophenol	11.03	266	160428	59.449	ng		98
70) Phenanthrene	11.24	178	748509	39.212	ng		99
71) Anthracene	11.29	178	730411	37.726	ng		99
72) Carbazole	11.45	167	608156	31.571	ng		99
73) Di-n-butylphthalate	11.79	149	779063	35.131	ng		99
74) Fluoranthene	12.42	202	718141	35.204	ng		96
76) Benzidine	12.55	184	404587	45.212	ng		98
77) Pyrene	12.65	202	689874	38.784	ng		99
79) Butylbenzylphthalate	13.27	149	277924	36.725	ng		98
80) Benzo(a)anthracene	13.83	228	546819	36.577	ng		99
81) 3,3'-Dichlorobenzidine	13.80	252	183966	32.380	ng		98
82) Chrysene	13.87	228	538577	36.348	ng		99
83) Bis(2-ethylhexyl)phthalate	13.84	149	341242	35.754	ng		100
84) Di-n-octyl phthalate	14.44	149	637681	39.077	ng		98
85) Indeno(1,2,3-cd)pyrene	16.60	276	591401	49.241	ng	#	92
87) Benzo(b)fluoranthene	14.85	252	582347	35.889	ng		97
88) Benzo(k)fluoranthene	14.88	252	532038	34.554	ng	#	96
89) Benzo(a)pyrene	15.19	252	549325	37.571	ng		98
90) Dibenzo(a,h)anthracene	16.61	278	483224	40.285	ng	#	96
91) Benzo(g,h,i)perylene	17.00	276	471947	40.033	ng	#	92

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

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Instrument :
BNA_F
ClientSampleId :
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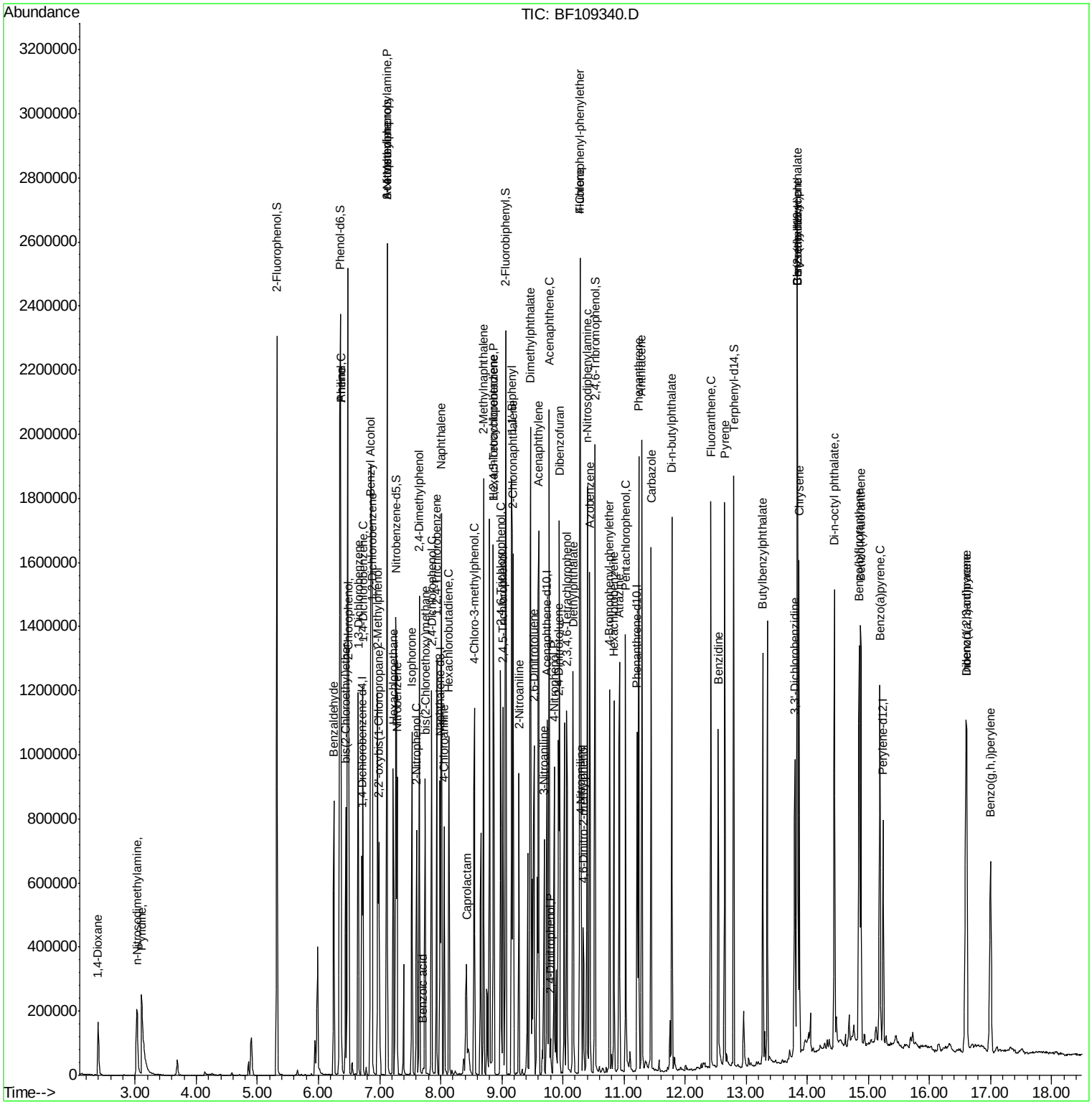
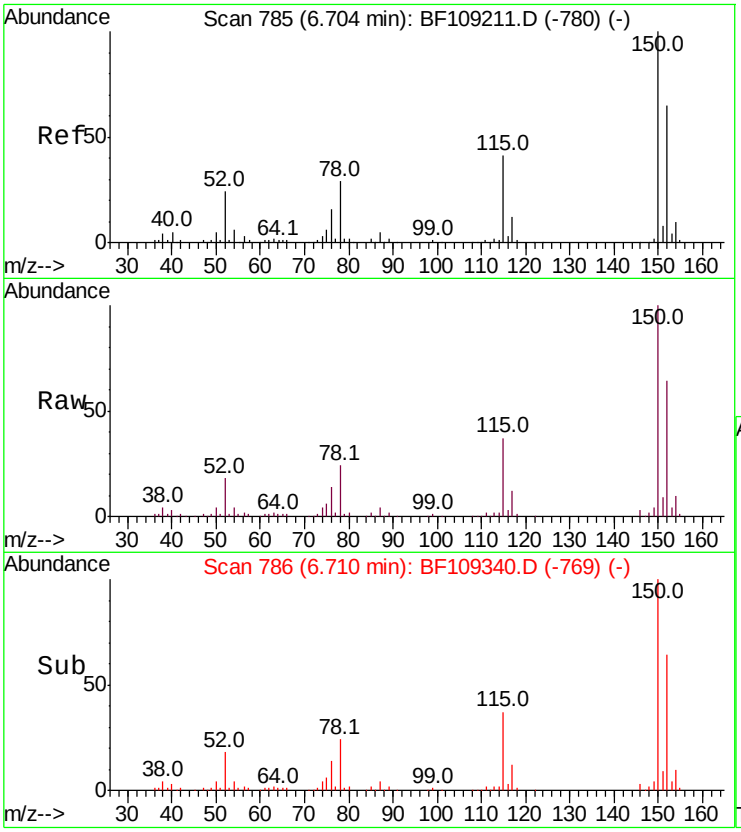
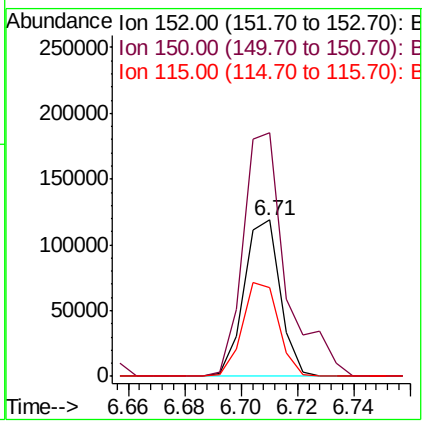




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:152 Resp: 105621

Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.6	186.8
115	57.0	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
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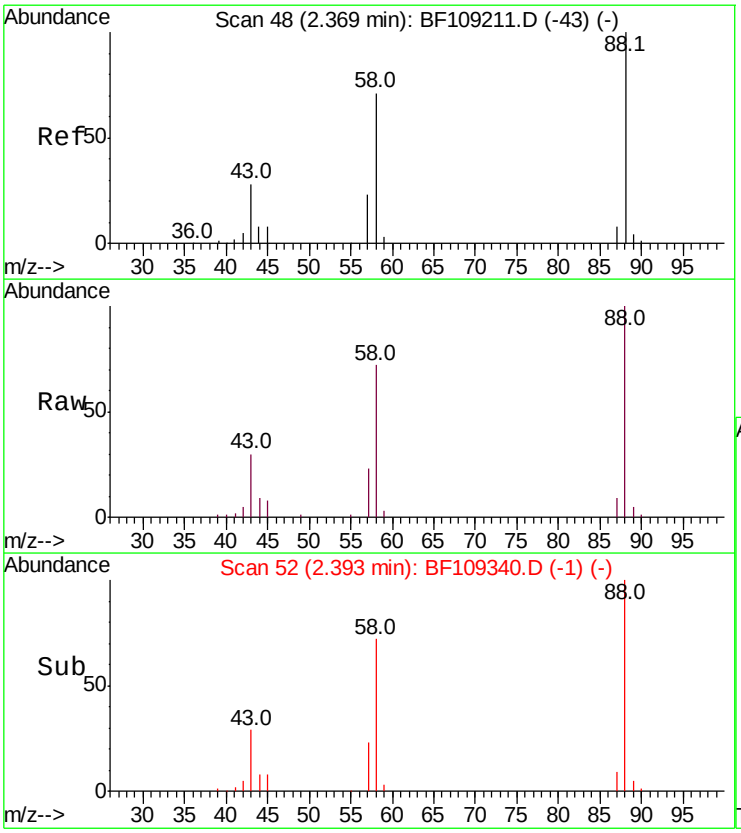
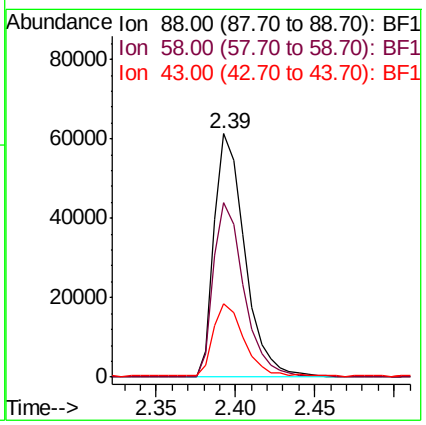
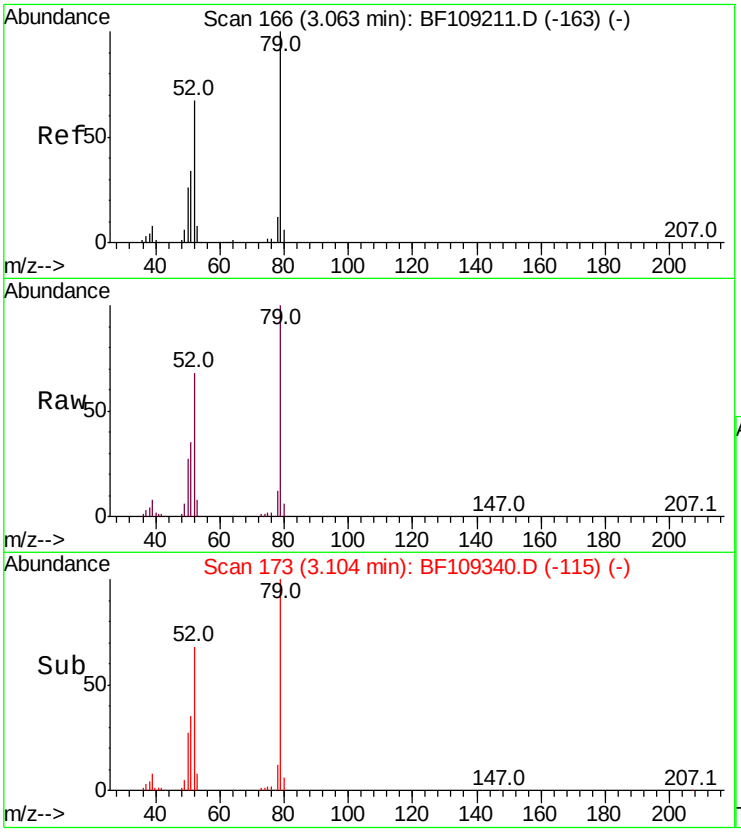


#2
1,4-Dioxane
Concen: 27.963 ng
RT: 2.39 min Scan# 52
Delta R.T. 0.02 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion: 88 Resp: 82586

Ion	Ratio	Lower	Upper
88	100		
58	71.9	62.6	93.8
43	32.1	24.6	37.0

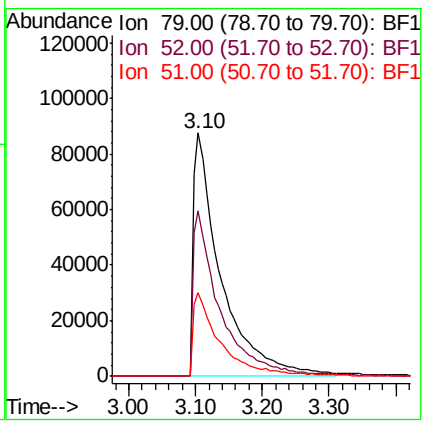




#3
Pyridine
Concen: 32.172 ng
RT: 3.10 min Scan# 173
Delta R.T. 0.04 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion: 79 Resp: 244545

Ion	Ratio	Lower	Upper
79	100		
52	68.0	59.8	89.6
51	34.6	29.8	44.8



Instrument :
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ClientSampleId :
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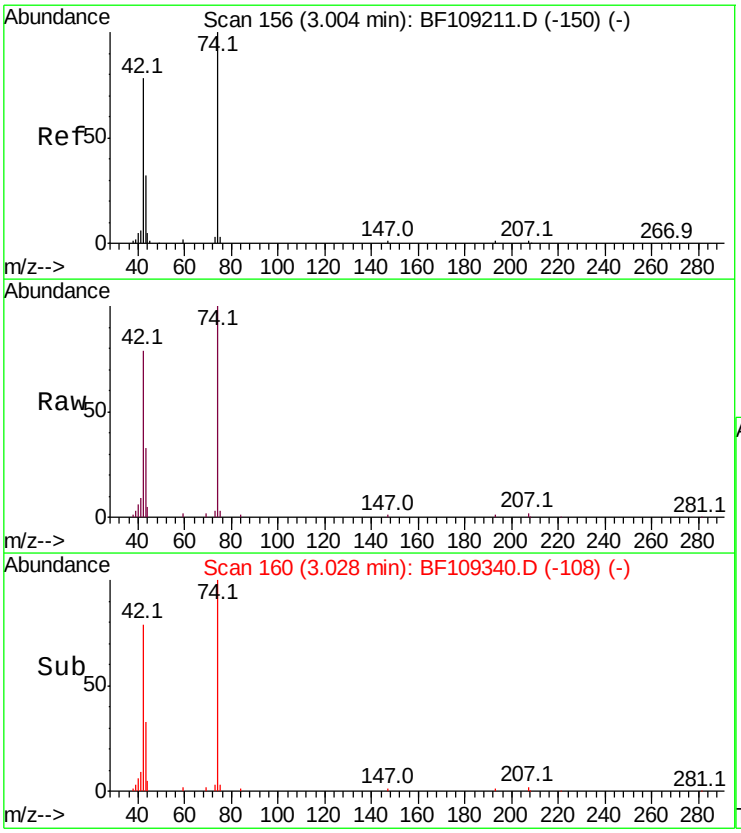
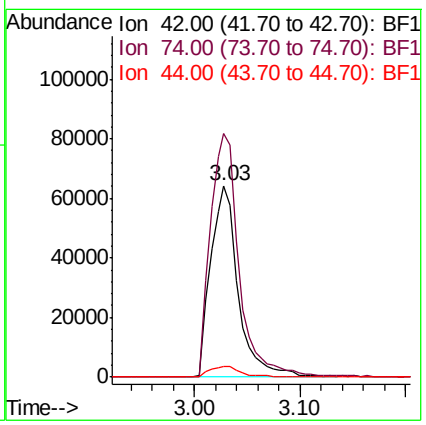
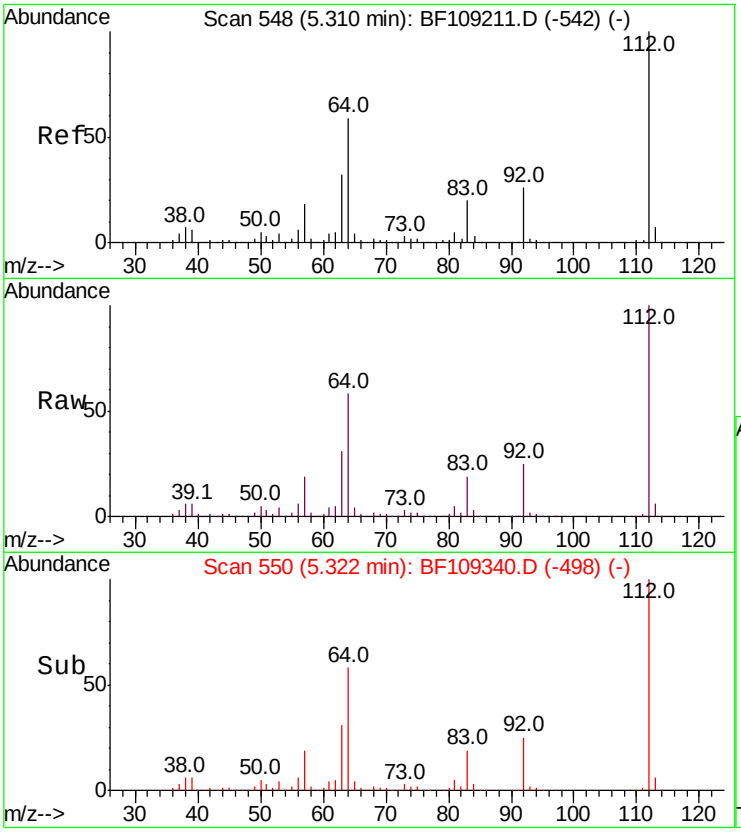


#4
n-Nitrosodimethylamine
Concen: 36.354 ng
RT: 3.03 min Scan# 160
Delta R.T. 0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion: 42 Resp: 117600

Ion	Ratio	Lower	Upper
42	100		
74	127.1	104.9	157.3
44	5.8	6.9	10.3#

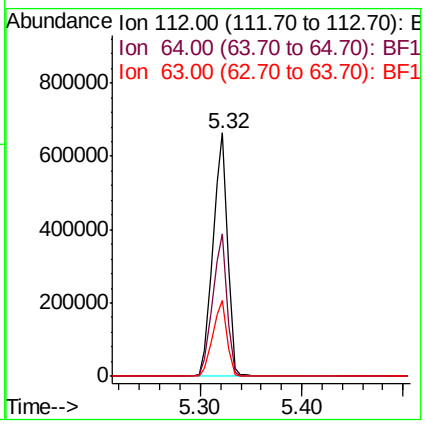




#5
2-Fluorophenol
Concen: 103.379 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:112 Resp: 662930

Ion	Ratio	Lower	Upper
112	100		
64	58.3	47.9	71.9
63	31.3	23.7	35.5



Instrument :
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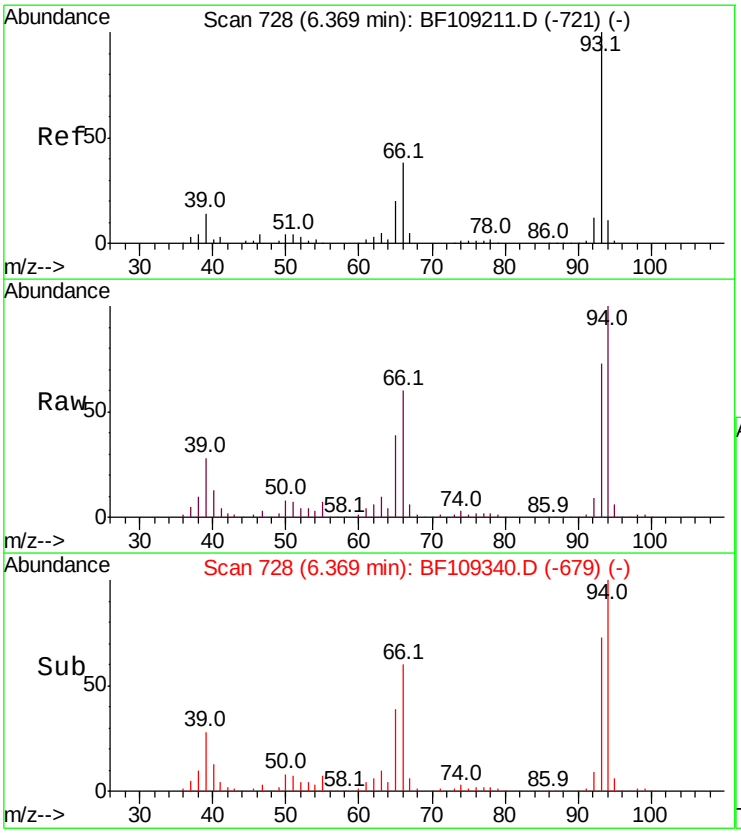
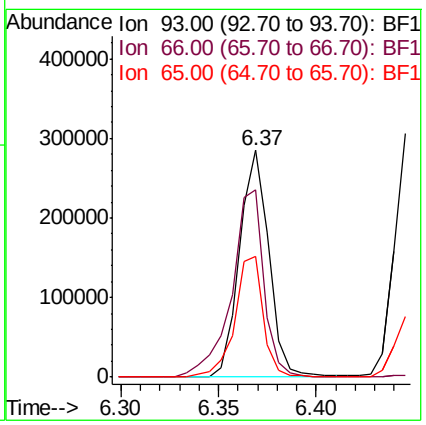
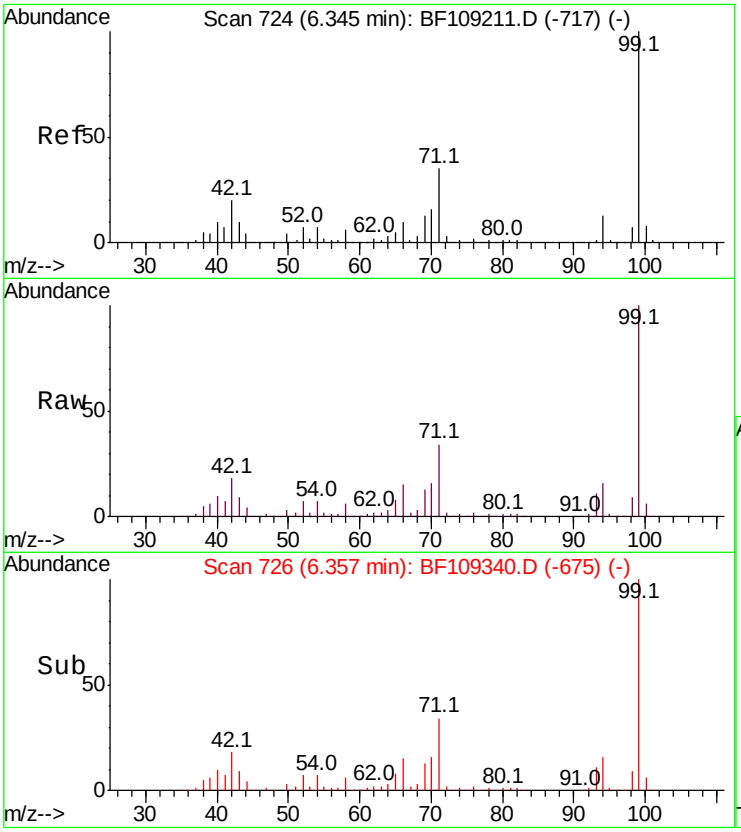


#6
Aniline
Concen: 28.316 ng
RT: 6.37 min Scan# 728
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion: 93 Resp: 296440

Ion	Ratio	Lower	Upper
93	100		
66	82.9	32.2	48.2#
65	53.4	16.4	24.6#

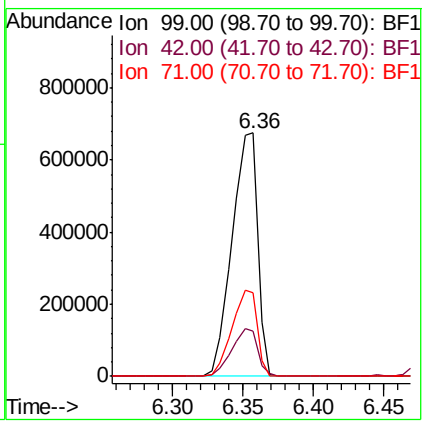




#7
Phenol-d6
Concen: 104.445 ng
RT: 6.36 min Scan# 726
Delta R.T. 0.00 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion: 99 Resp: 854650

Ion	Ratio	Lower	Upper
99	100		
42	18.3	14.5	21.7
71	34.5	25.4	38.0



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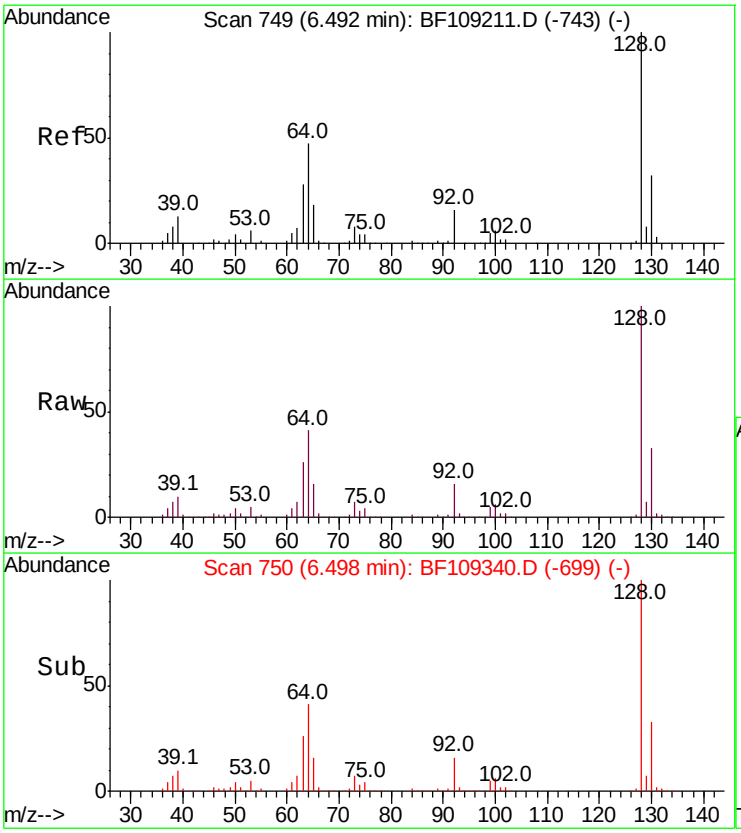
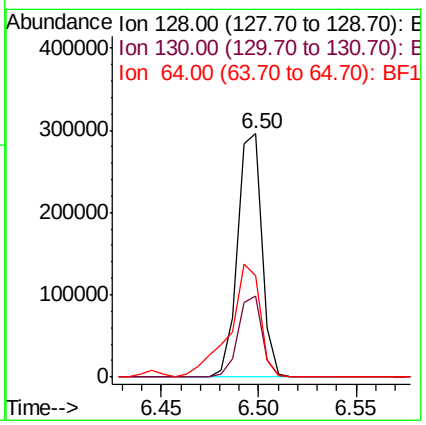
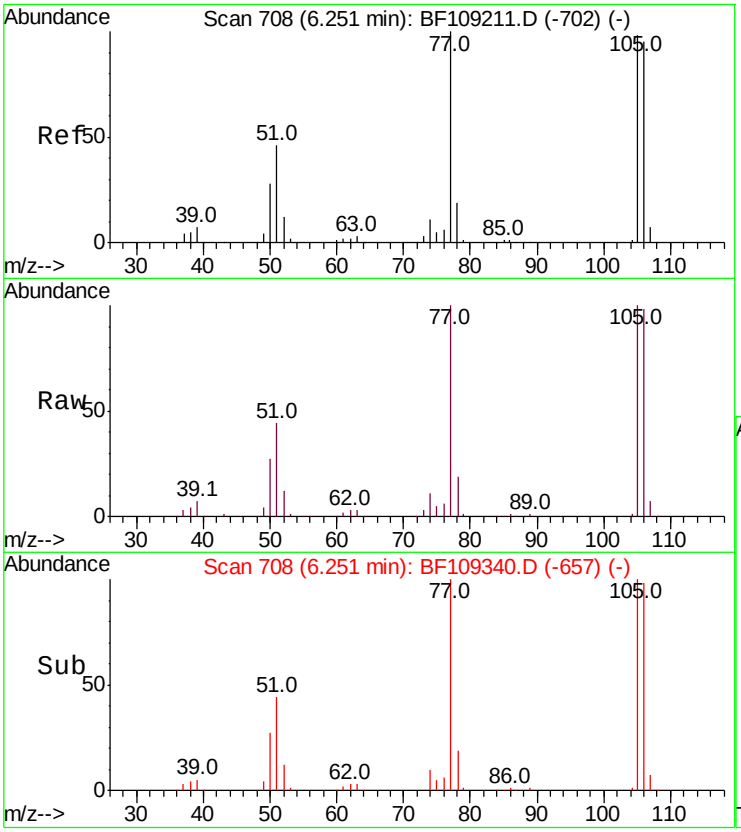


#8
2-Chlorophenol
Concen: 35.919 ng
RT: 6.50 min Scan# 750
Delta R.T. 0.00 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:128 Resp: 256142

Ion	Ratio	Lower	Upper
128	100		
130	33.1	13.0	53.0
64	41.5	29.4	69.4

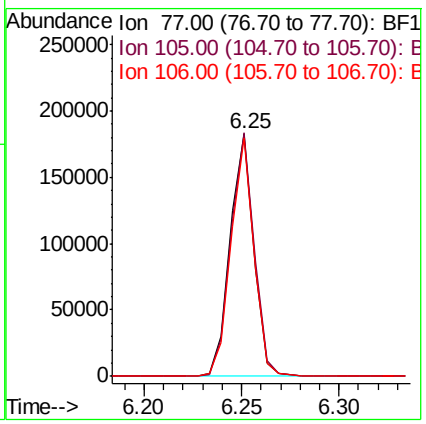




#9
Benzaldehyde
Concen: 29.183 ng
RT: 6.25 min Scan# 708
Delta R.T. 0.00 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion: 77 Resp: 153405

Ion	Ratio	Lower	Upper
77	100		
105	100.3	81.1	121.1
106	98.3	74.5	114.5



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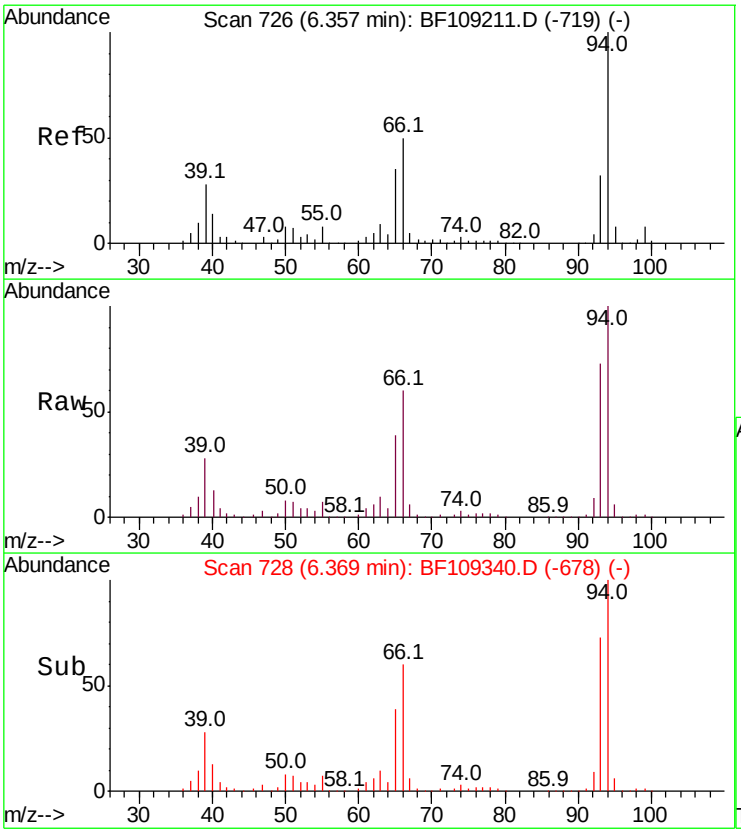
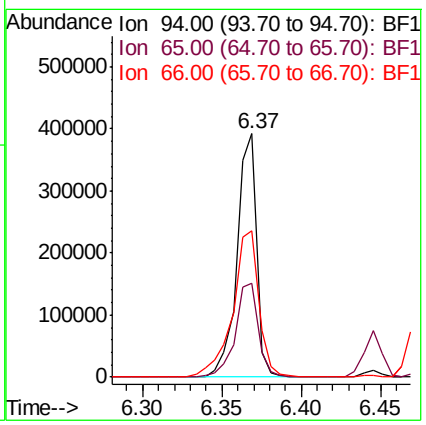
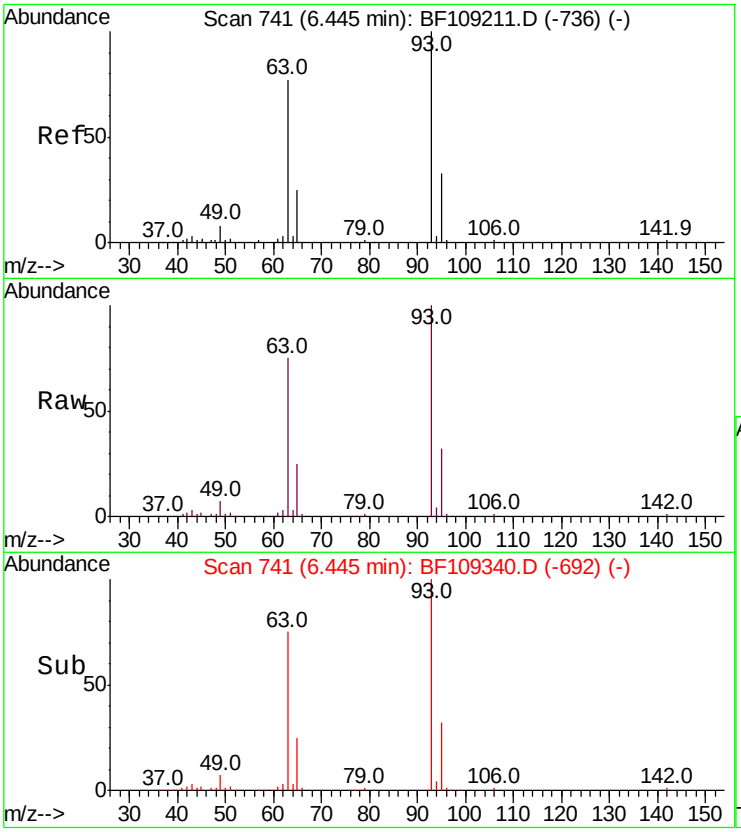


#10
Phenol
Concen: 36.335 ng
RT: 6.37 min Scan# 728
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion: 94 Resp: 336705

Ion	Ratio	Lower	Upper
94	100		
65	38.7	7.9	47.9
66	60.2	16.2	56.2#

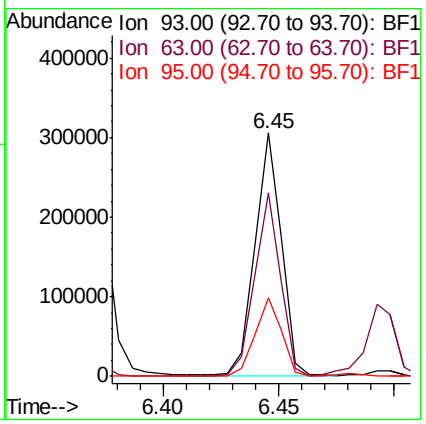




#11
bis(2-Chloroethyl)ether
Concen: 33.514 ng
RT: 6.45 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion: 93 Resp: 243013

Ion	Ratio	Lower	Upper
93	100		
63	75.2	58.6	98.6
95	32.2	11.8	51.8



Instrument :
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ClientSampleId :
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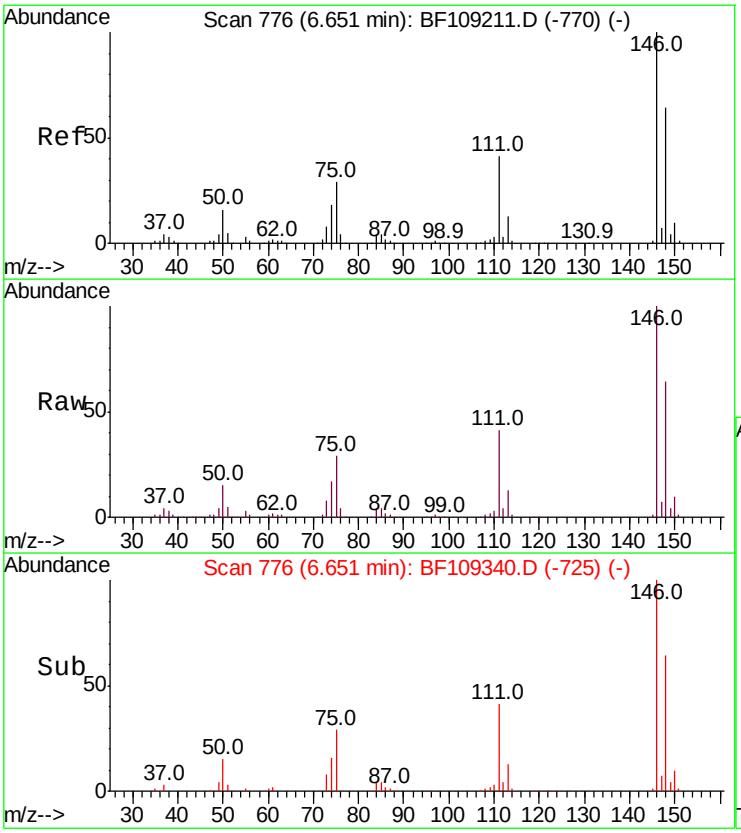
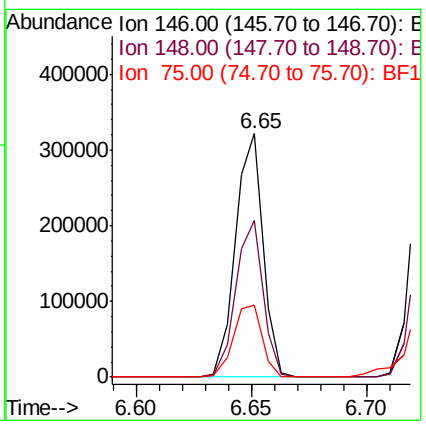
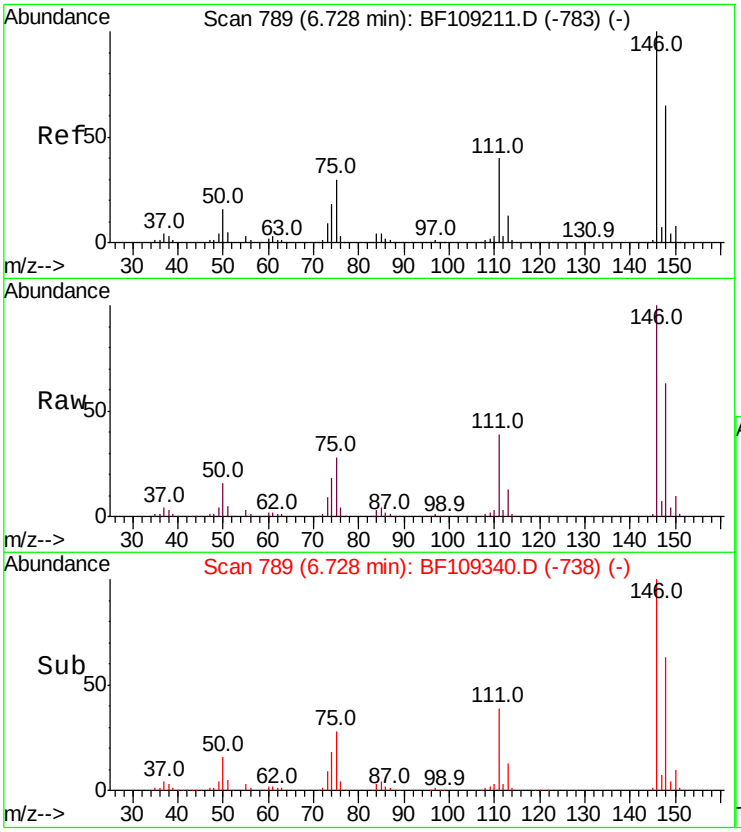


#12
1,3-Dichlorobenzene
Concen: 32.733 ng
RT: 6.65 min Scan# 776
Delta R.T. 0.00 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:146 Resp: 268756

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.8	77.8
75	29.5	24.2	36.4

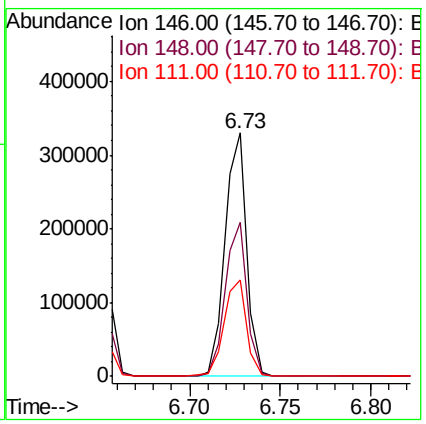




#13
1,4-Dichlorobenzene
Concen: 33.113 ng
RT: 6.73 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:146 Resp: 273899

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.8	76.2
111	39.4	34.2	51.2



Instrument :
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ClientSampleId :
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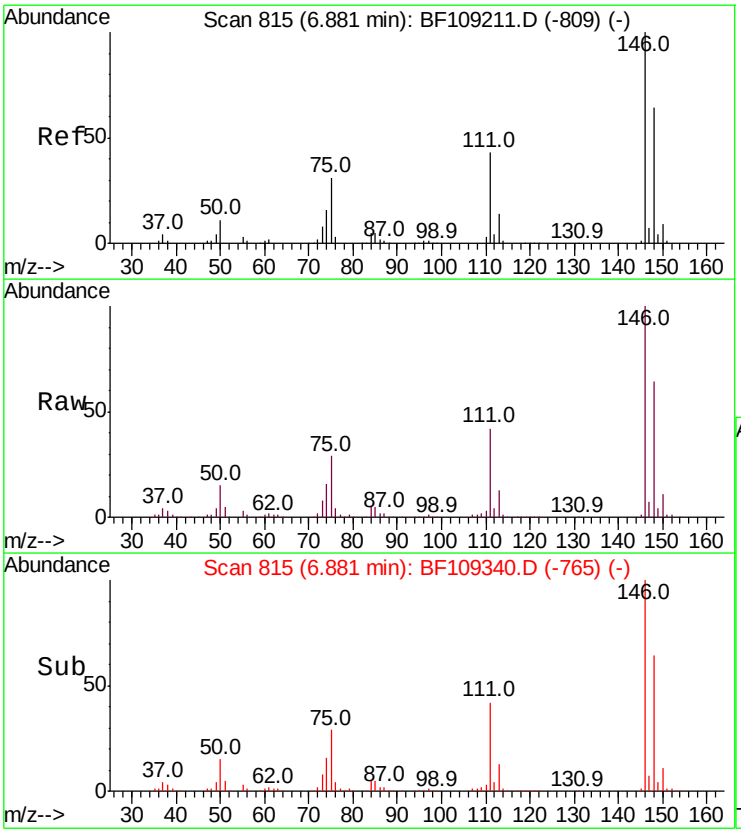
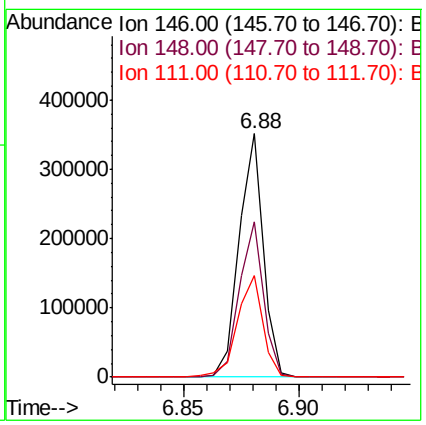
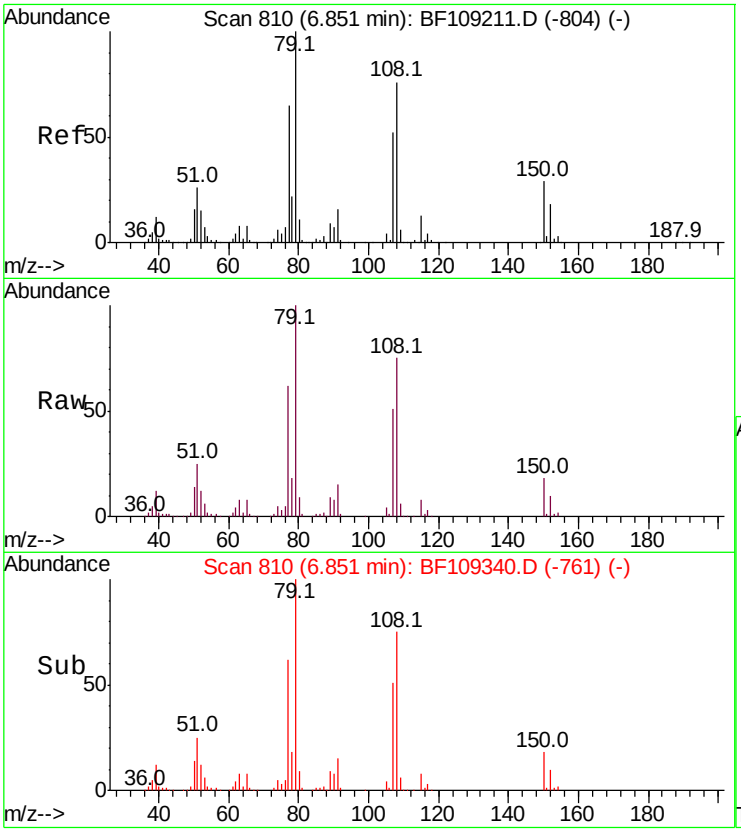


#14
1,2-Dichlorobenzene
Concen: 33.821 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:146 Resp: 258070

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.6	75.8
111	41.8	36.0	54.0





#15
Benzyl Alcohol
Concen: 36.941 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion: 79 Resp: 231376

Ion	Ratio	Lower	Upper
79	100		
108	75.1	65.1	97.7
77	62.3	50.6	75.8

Instrument :
BNA_F
ClientSampleId :
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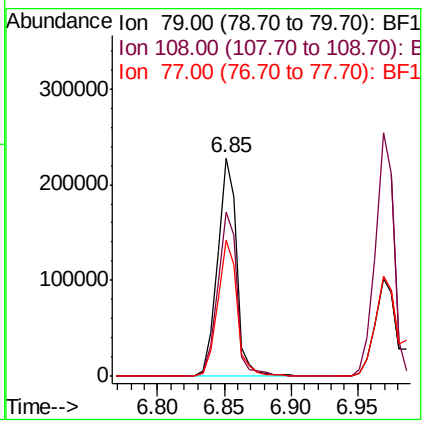
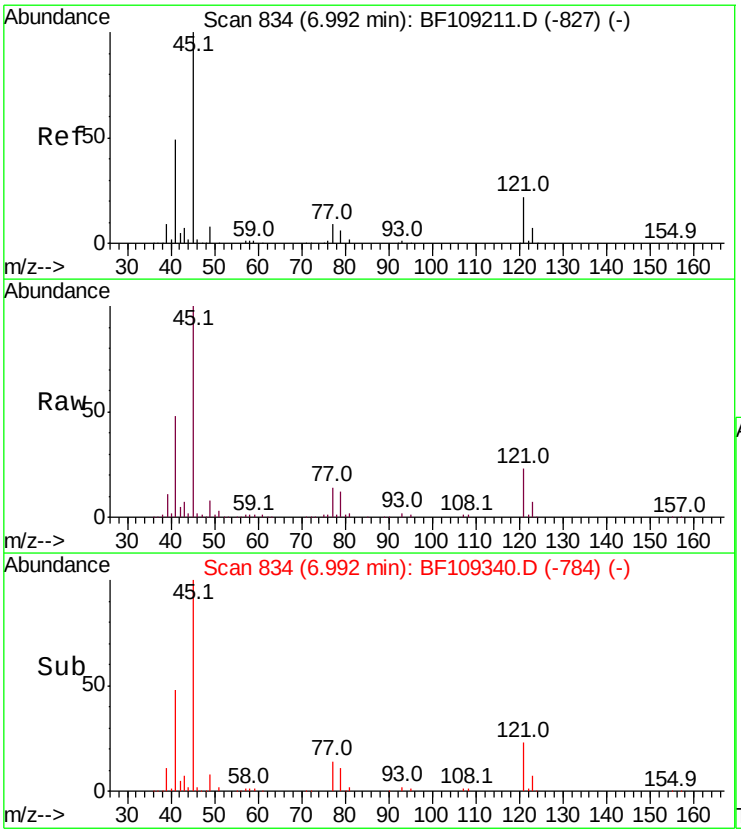
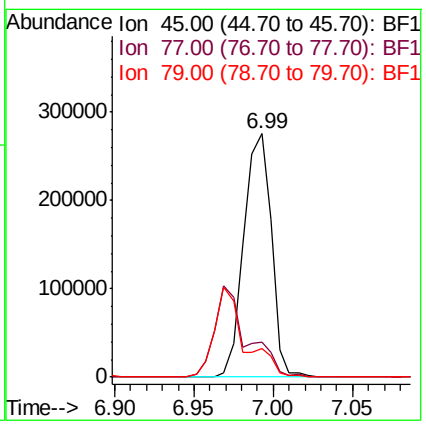


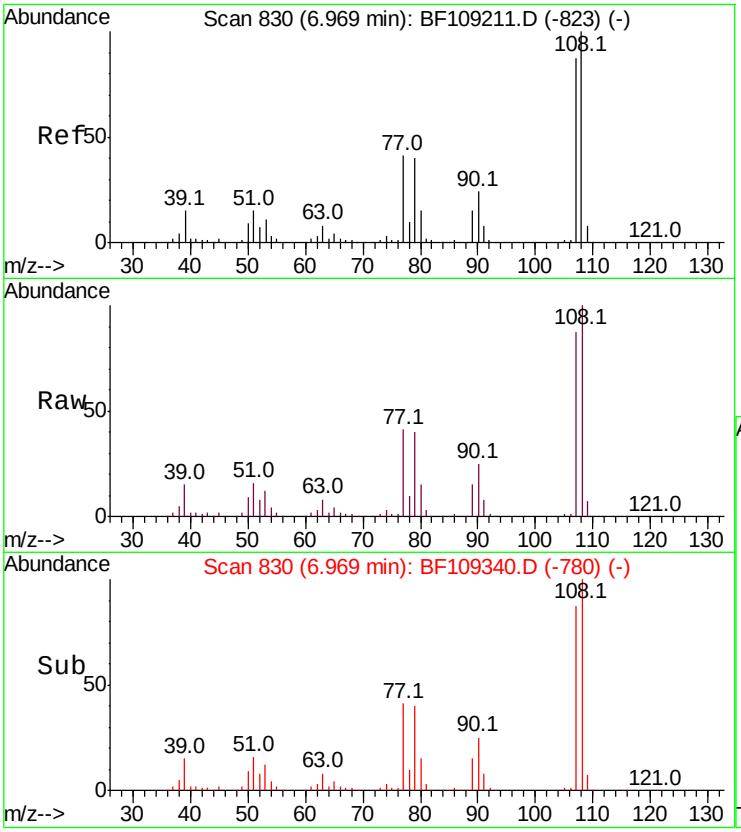


#16
2,2'-oxybis(1-Chloropropane)
Concen: 32.455 ng
RT: 6.99 min Scan# 834
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion: 45 Resp: 333808

Ion	Ratio	Lower	Upper
45	100		
77	14.4	0.0	32.9
79	11.7	0.0	29.6

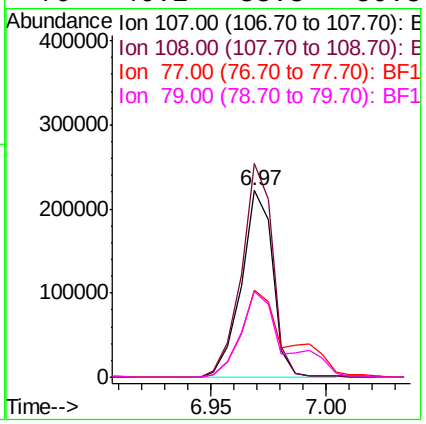




#17
2-Methylphenol
Concen: 36.708 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:107 Resp: 211803

Ion	Ratio	Lower	Upper
107	100		
108	114.6	91.7	137.5
77	46.9	33.8	50.8
79	46.2	33.8	50.8



Instrument :
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ClientSampleId :
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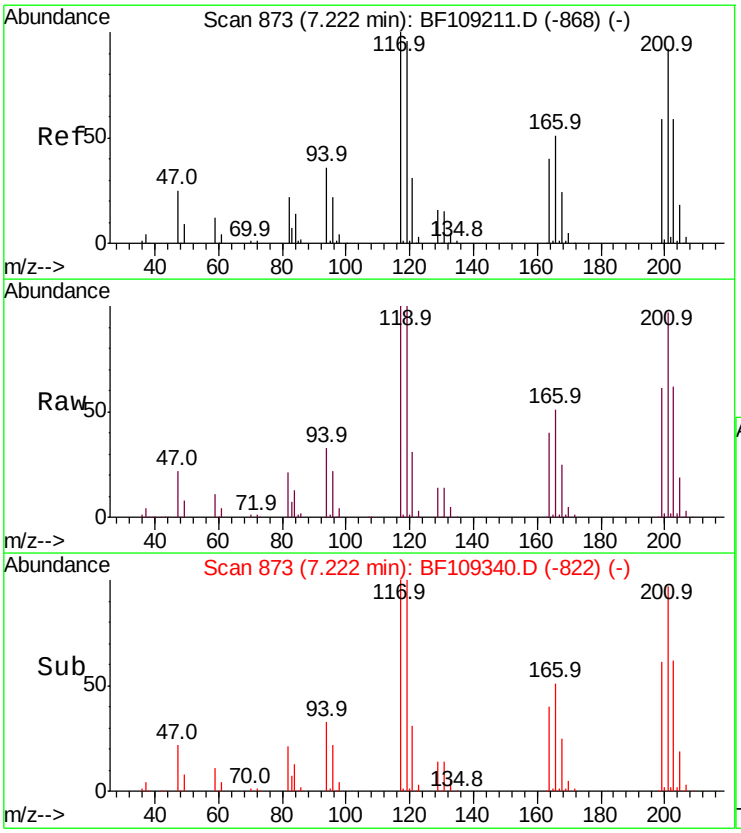
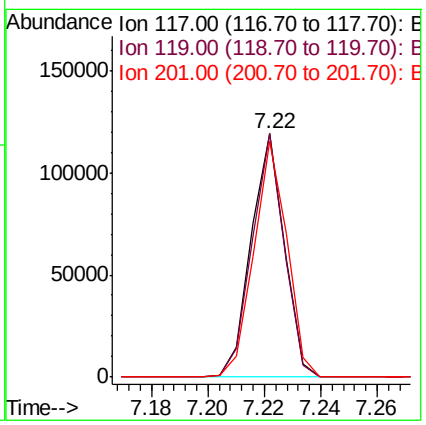
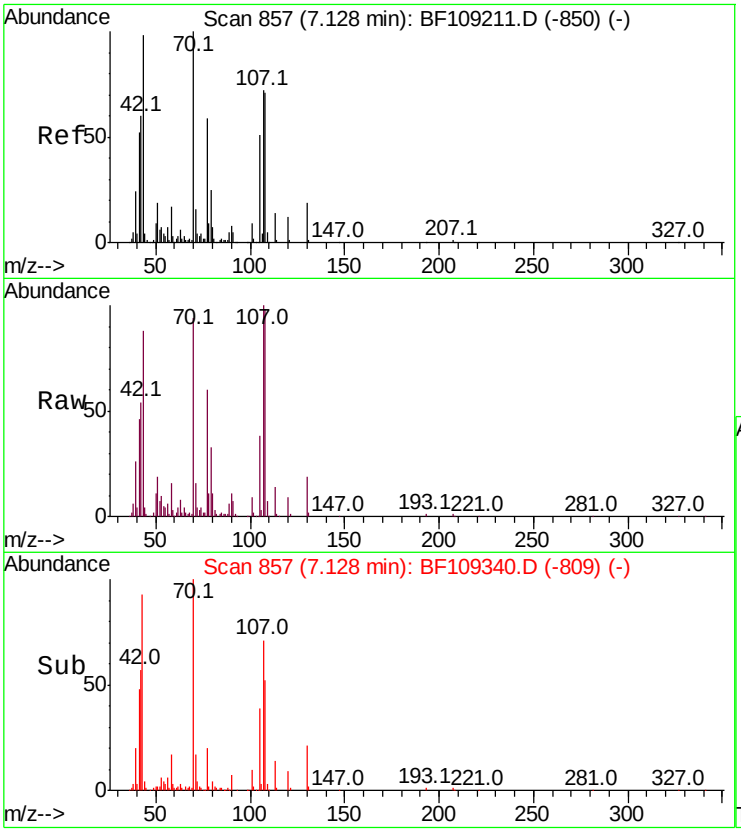


#18
Hexachloroethane
Concen: 33.114 ng
RT: 7.22 min Scan# 873
Delta R.T. 0.00 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:117 Resp: 96500

Ion	Ratio	Lower	Upper
117	100		
119	99.8	75.8	113.8
201	96.9	75.7	113.5

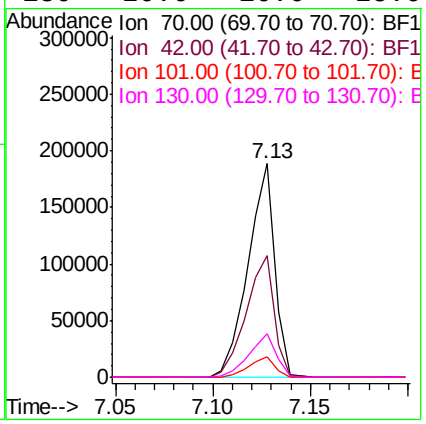




#19
n-Nitroso-di-n-propylamine
Concen: 33.308 ng
RT: 7.13 min Scan# 857
Delta R.T. -0.02 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion: 70 Resp: 178592

Ion	Ratio	Lower	Upper
70	100		
42	56.9	47.5	71.3
101	9.5	7.4	11.2
130	20.6	16.6	25.0



Instrument :
BNA_F
ClientSampleId :
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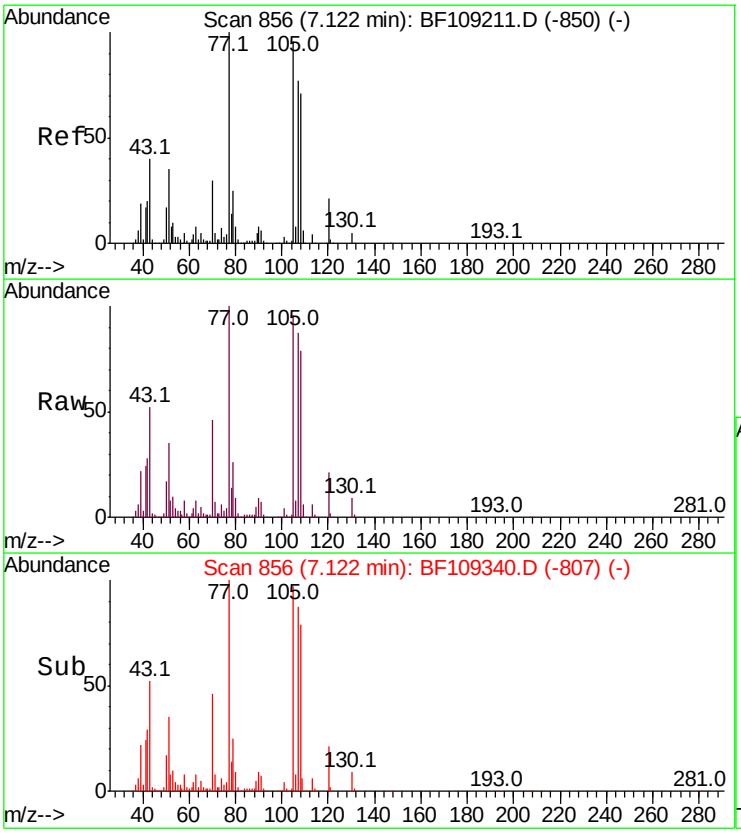
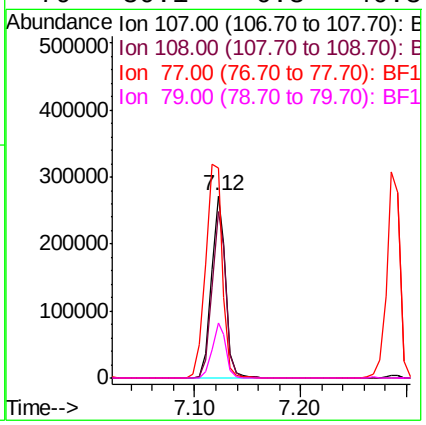
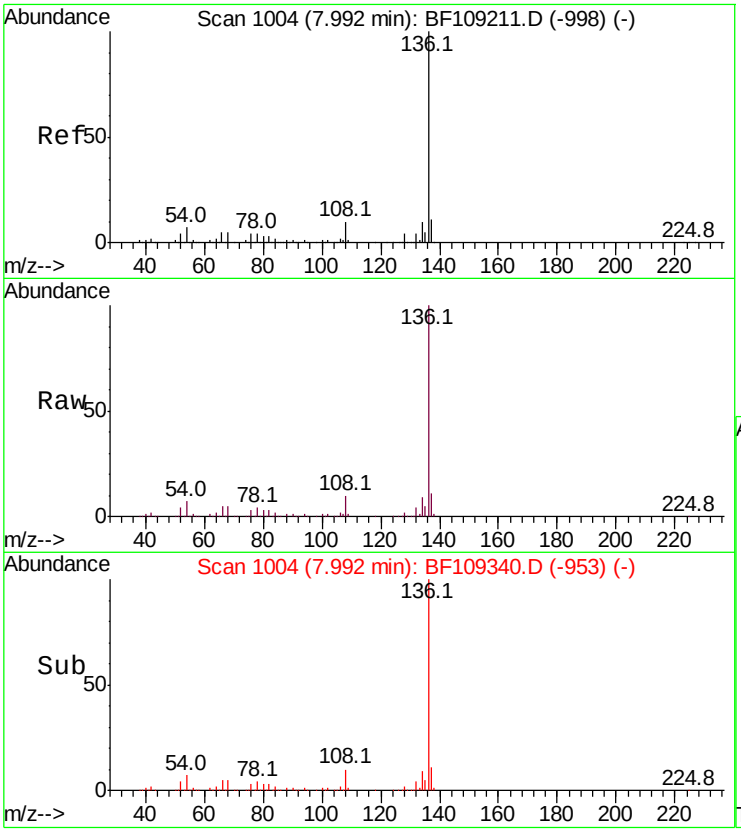


#20
3+4-Methylphenols
Concen: 36.927 ng
RT: 7.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:107 Resp: 257244

Ion	Ratio	Lower	Upper
107	100		
108	91.5	68.2	108.2
77	115.1	26.7	66.7#
79	30.1	6.3	46.3

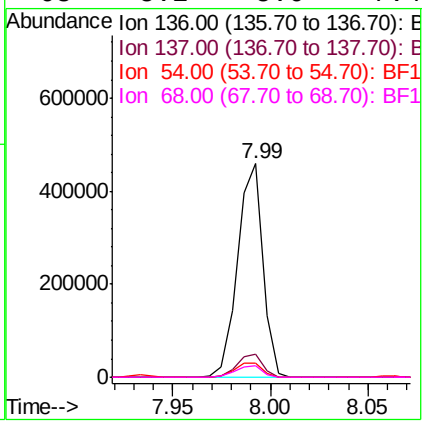




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:136 Resp: 412347

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.5	6.6	9.8#
68	5.2	5.0	7.4



Instrument :
BNA_F
ClientSampleId :
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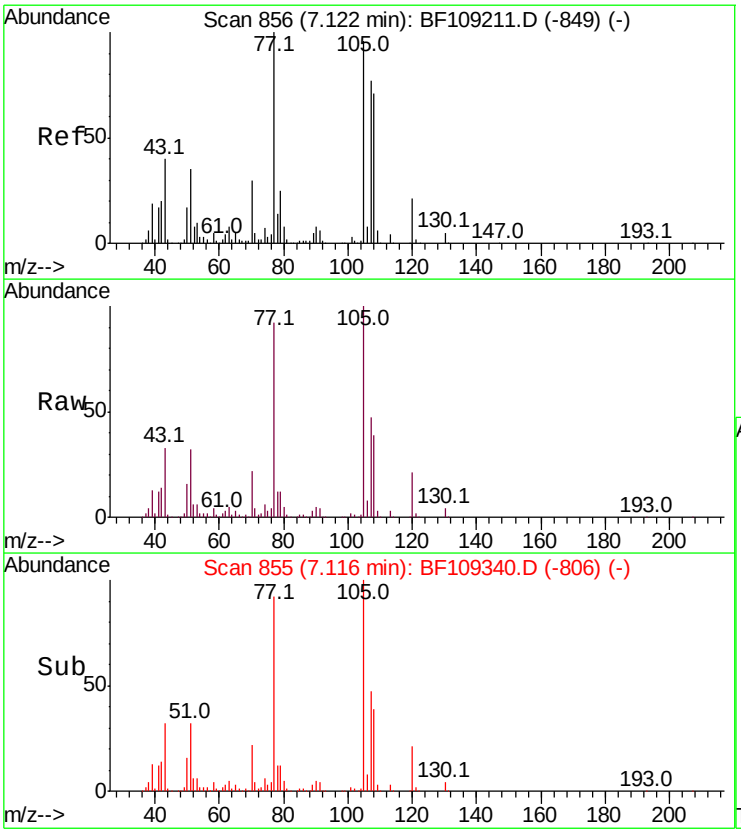
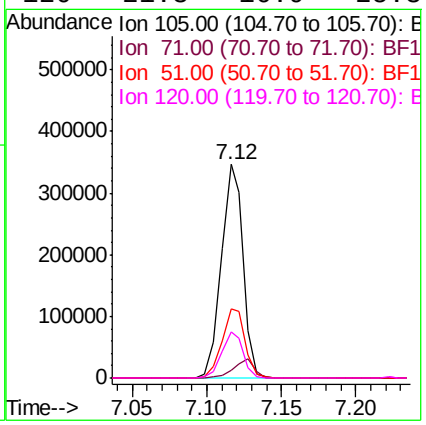
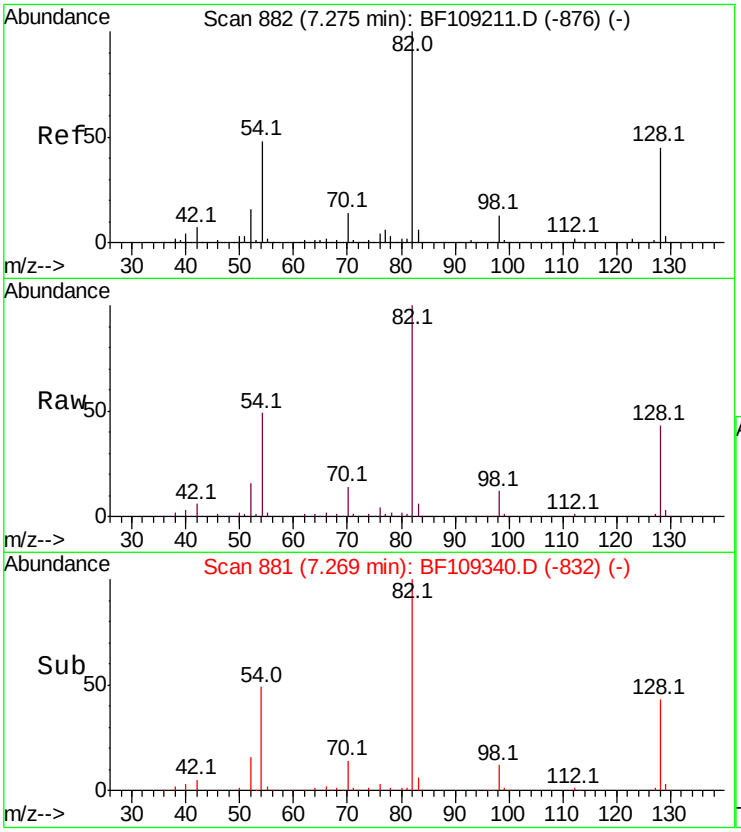


#22
Acetophenone
Concen: 37.467 ng
RT: 7.12 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:105 Resp: 357188

Ion	Ratio	Lower	Upper
105	100		
71	3.7	4.4	6.6#
51	32.4	22.3	33.5
120	21.3	16.9	25.3

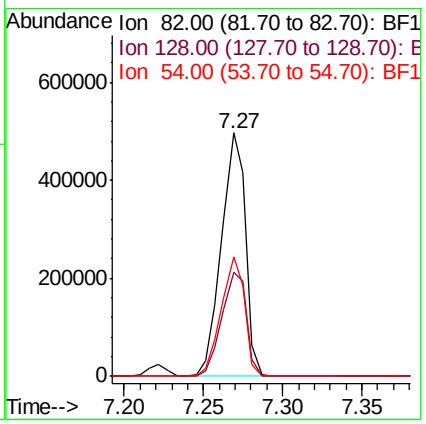




#23
Nitrobenzene-d5
Concen: 74.960 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion: 82 Resp: 523609

Ion	Ratio	Lower	Upper
82	100		
128	43.0	36.1	54.1
54	49.1	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
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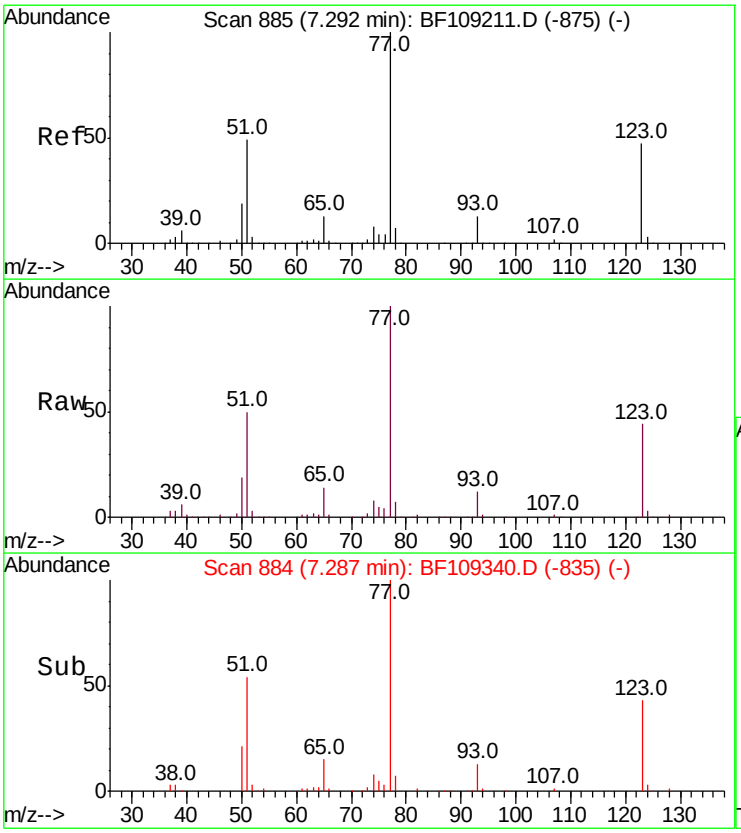
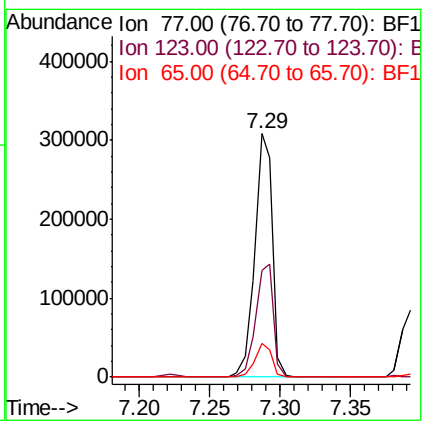
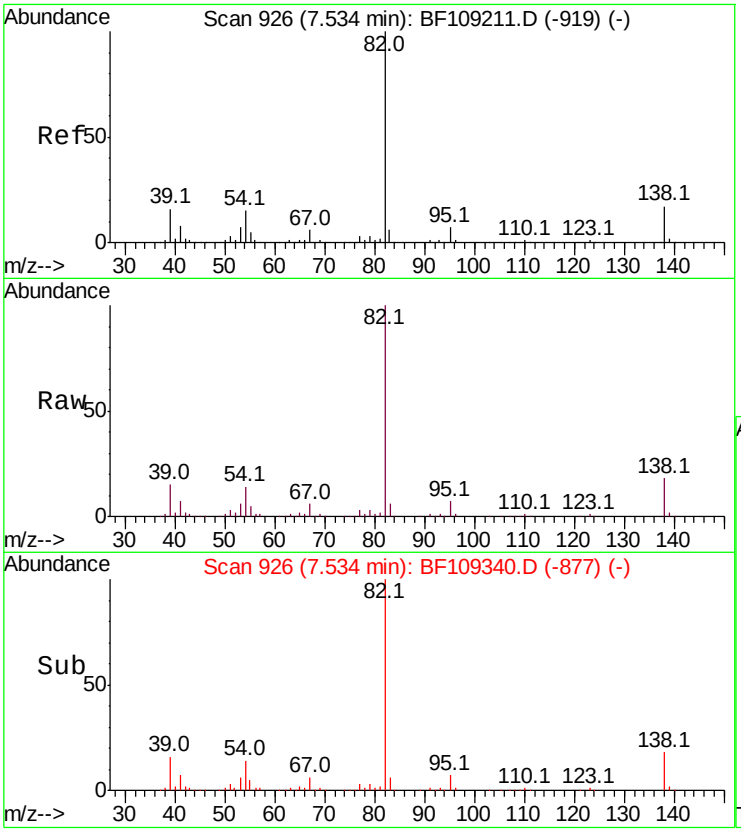


#24
Nitrobenzene
Concen: 36.718 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion: 77 Resp: 272707

Ion	Ratio	Lower	Upper
77	100		
123	43.9	37.9	56.9
65	13.6	11.0	16.4

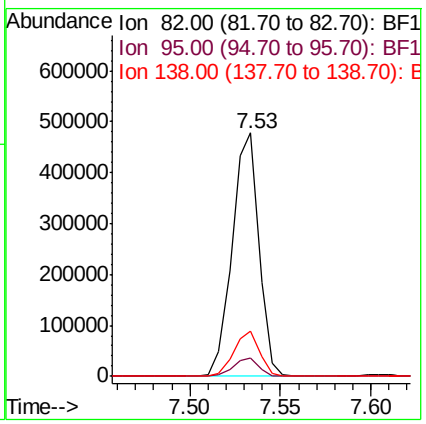




#25
Isophorone
Concen: 39.060 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion: 82 Resp: 491323

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.2	7.8
138	18.3	14.9	22.3



Instrument :
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ClientSampleId :
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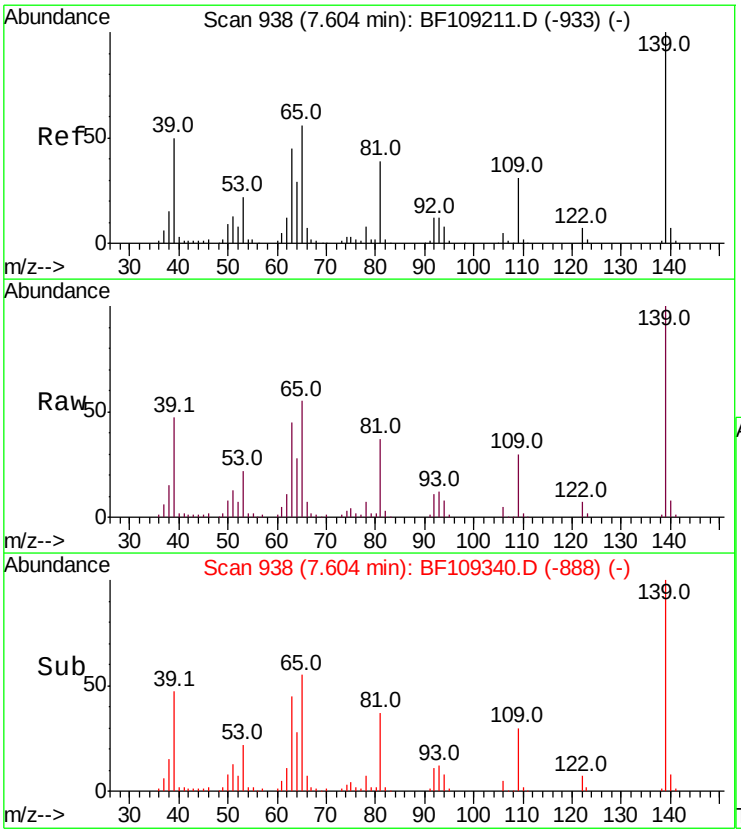
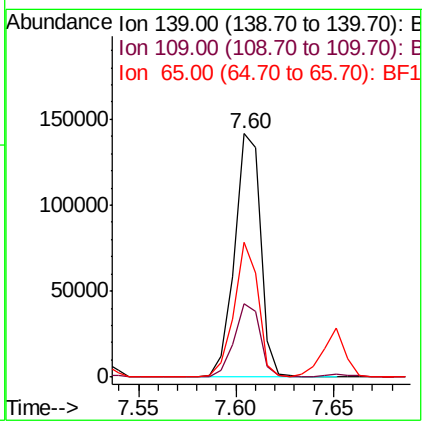
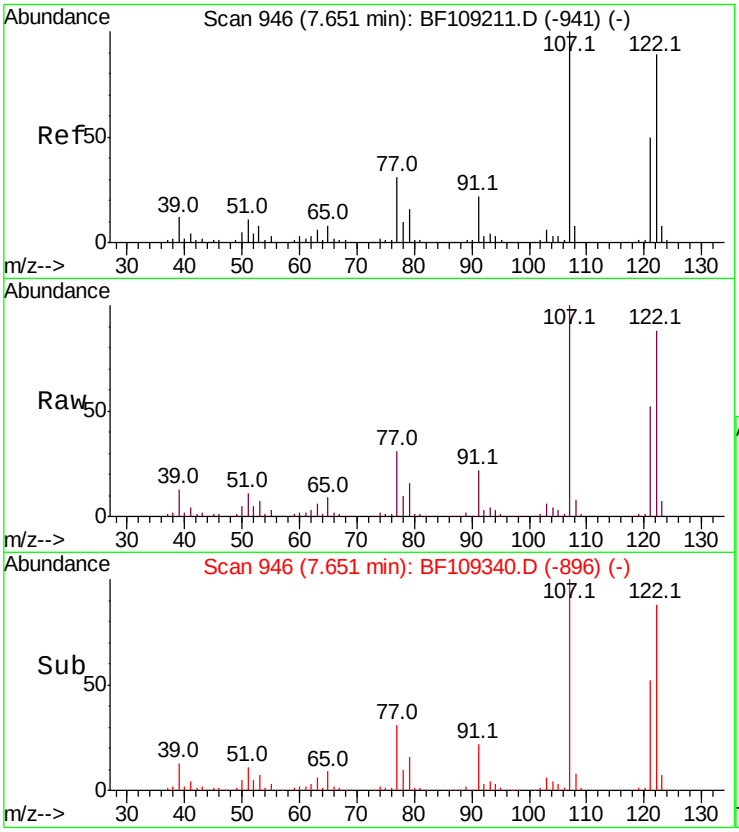


#26
2-Nitrophenol
Concen: 44.464 ng
RT: 7.60 min Scan# 938
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:139 Resp: 130600

Ion	Ratio	Lower	Upper
139	100		
109	30.3	22.7	34.1
65	55.1	40.5	60.7

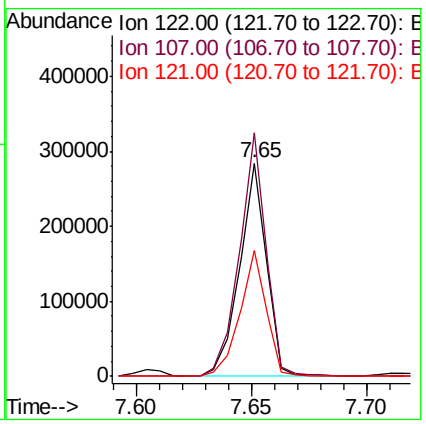




#27
2,4-Dimethylphenol
Concen: 42.290 ng
RT: 7.65 min Scan# 946
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:122 Resp: 231782

Ion	Ratio	Lower	Upper
122	100		
107	114.2	91.2	136.8
121	59.2	47.2	70.8



Instrument :
BNA_F
ClientSampleId :
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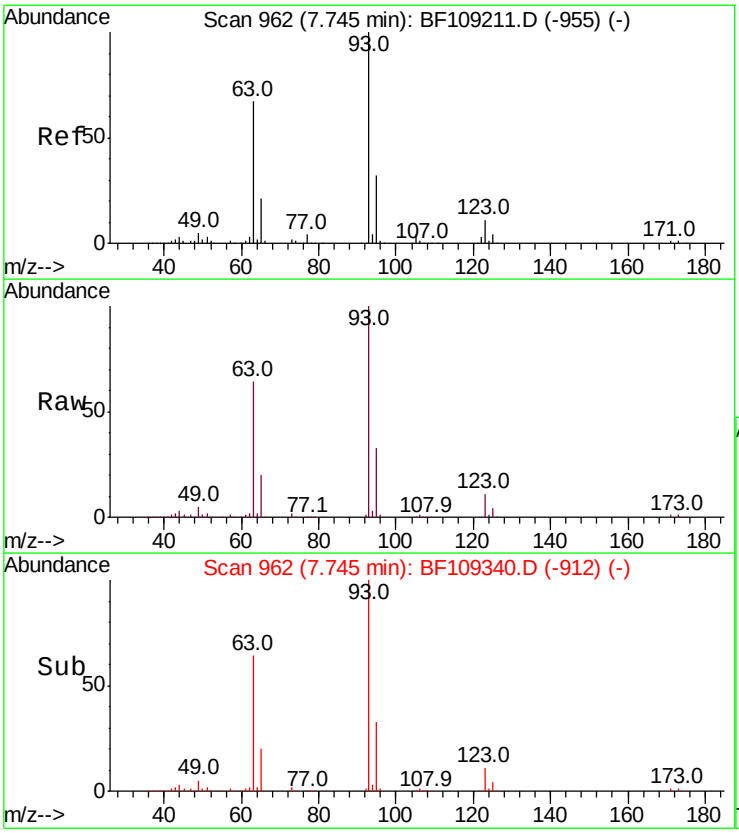
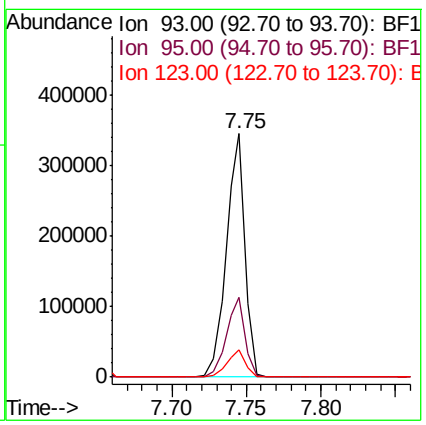
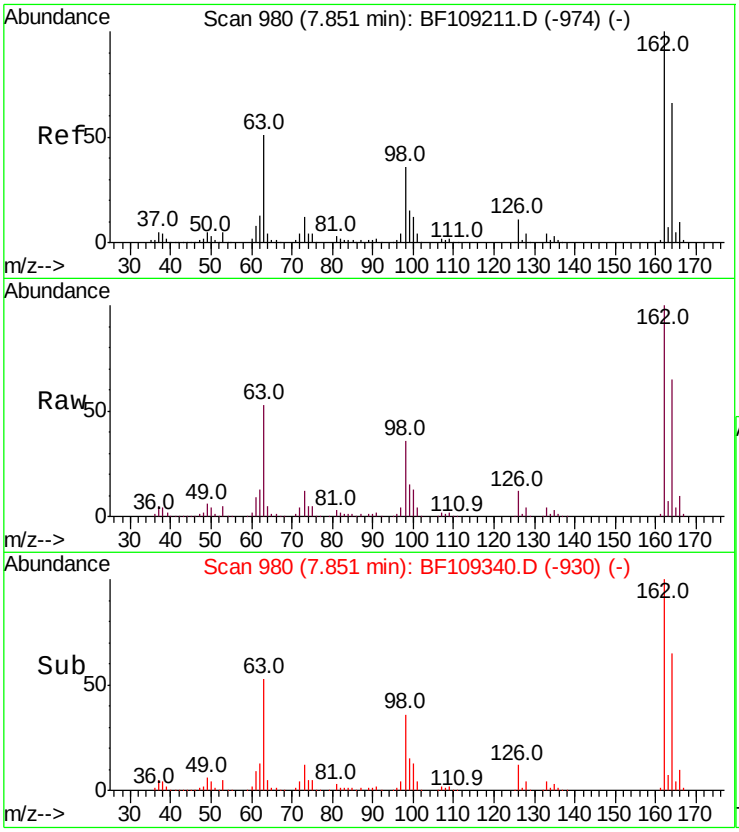


#28
bis(2-Chloroethoxy)methane
Concen: 36.768 ng
RT: 7.75 min Scan# 962
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion: 93 Resp: 306153

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.3	39.5
123	11.3	9.8	14.6

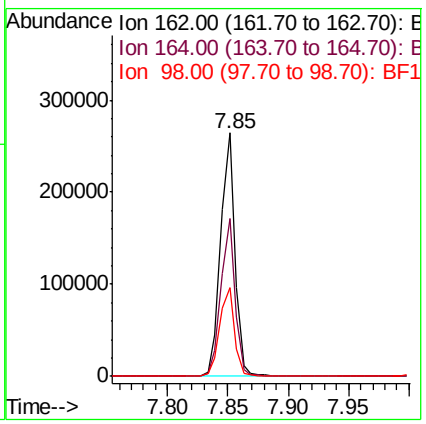




#29
2,4-Dichlorophenol
Concen: 37.757 ng
RT: 7.85 min Scan# 980
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:162 Resp: 217420

Ion	Ratio	Lower	Upper
162	100		
164	64.6	42.7	82.7
98	36.3	18.1	58.1



Instrument :
BNA_F
ClientSampleId :
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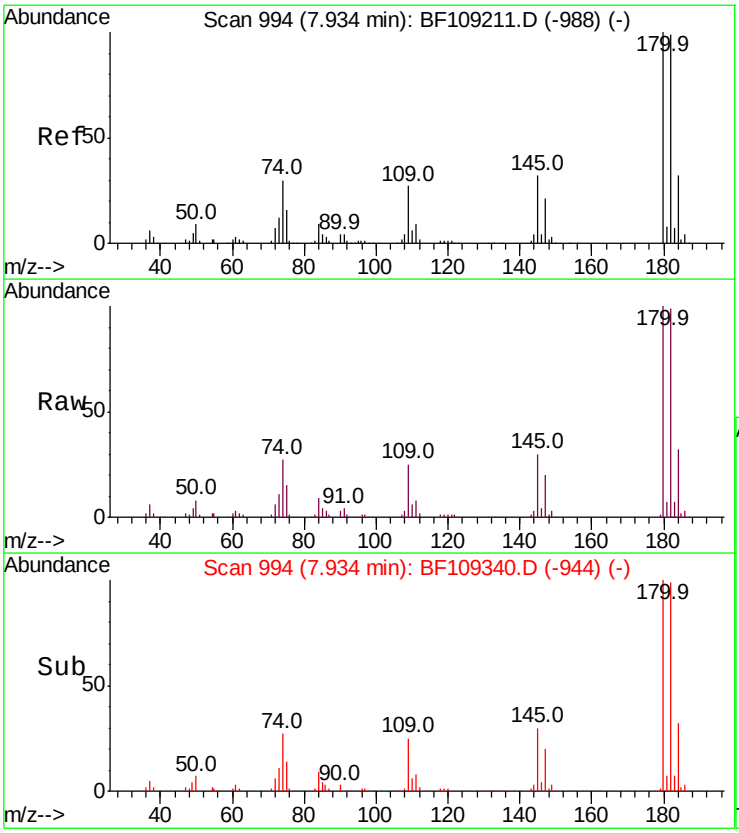
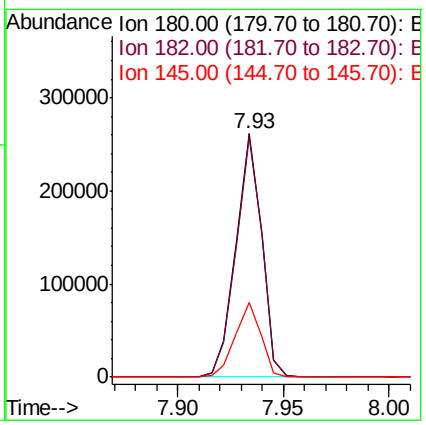
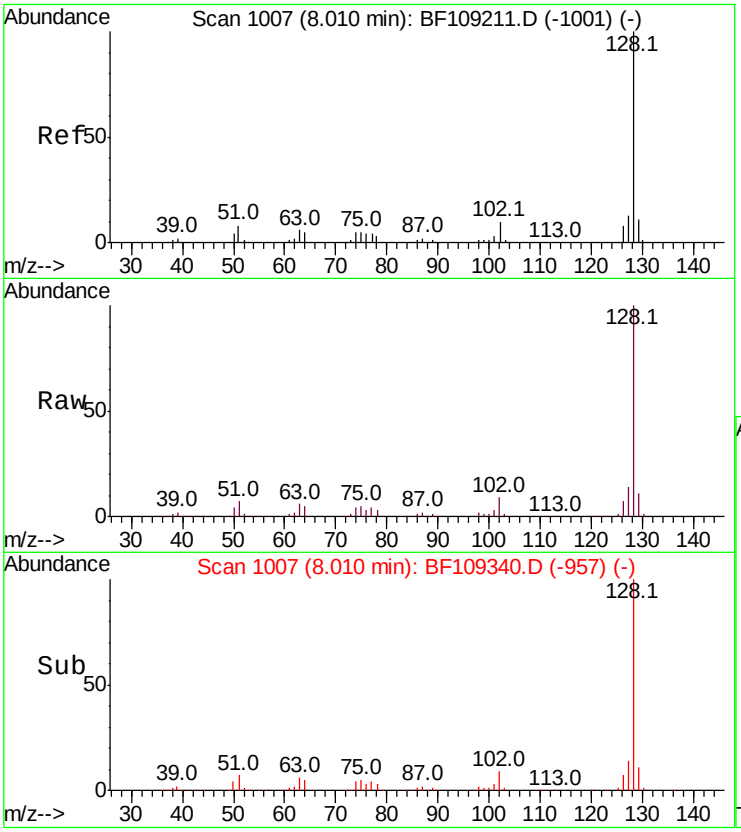


#30
1,2,4-Trichlorobenzene
Concen: 34.186 ng
RT: 7.93 min Scan# 994
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:180 Resp: 219974

Ion	Ratio	Lower	Upper
180	100		
182	98.6	76.8	115.2
145	30.4	26.5	39.7

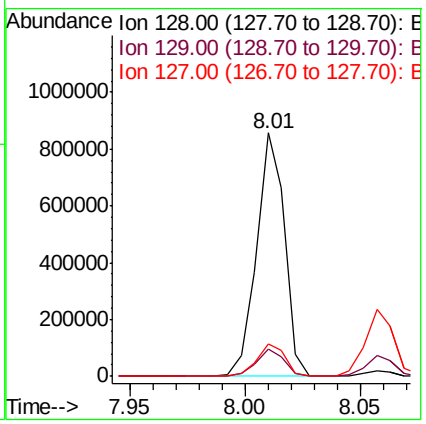




#31
Naphthalene
Concen: 37.702 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:128 Resp: 726484

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.5	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
CS-RBR-200027MSD

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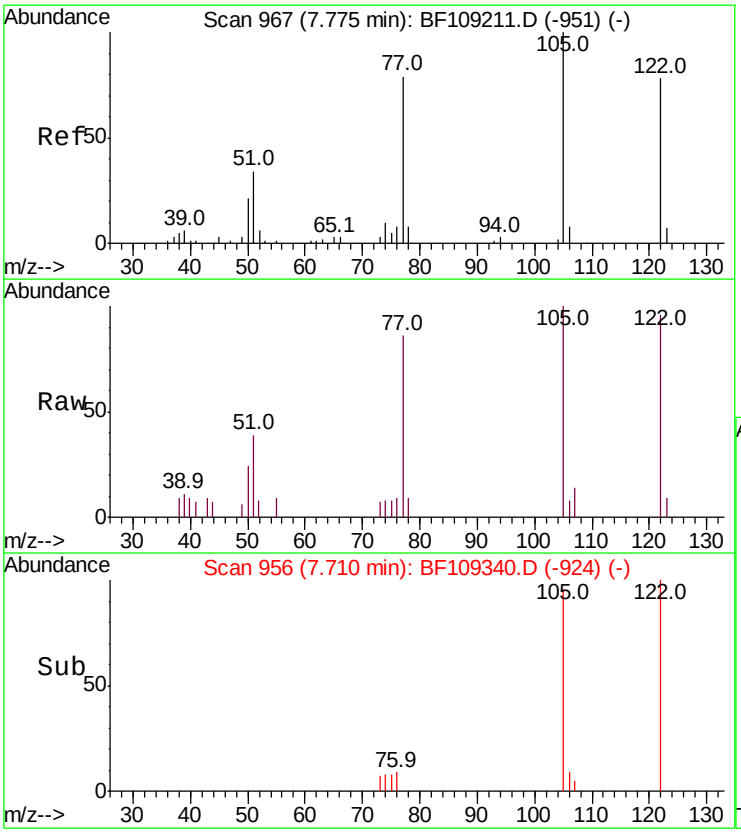
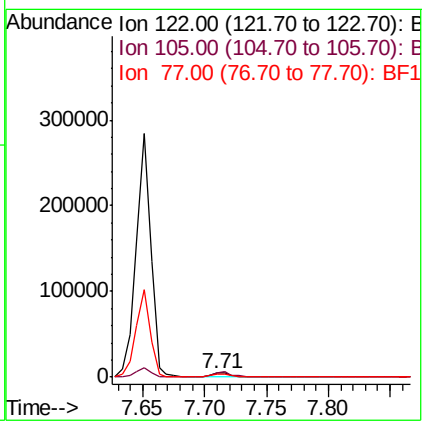
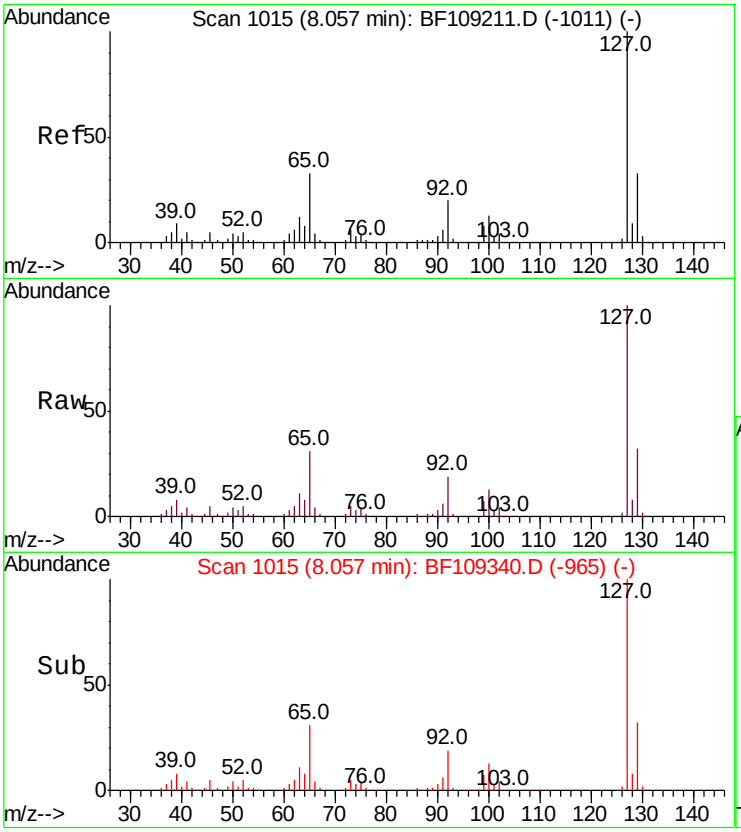


#32
Benzoic acid
Concen: 8.865 ng m
RT: 7.71 min Scan# 956
Delta R.T. -0.11 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:122 Resp: 8975

Ion	Ratio	Lower	Upper
122	100		
105	104.6	101.1	141.1
77	89.6	70.7	110.7

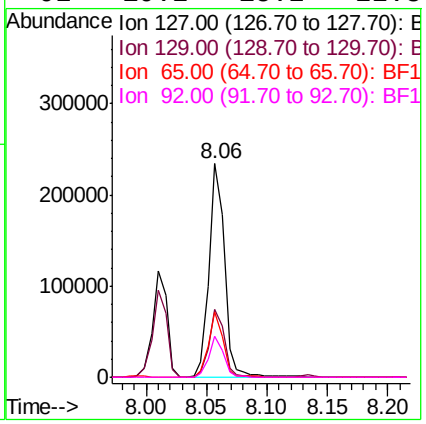




#33
4-Chloroaniline
Concen: 24.717 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:127 Resp: 208060

Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.9	38.9
65	30.7	25.0	37.4
92	19.2	15.2	22.8



Instrument :
BNA_F
ClientSampleId :
CS-RBR-200027MSD

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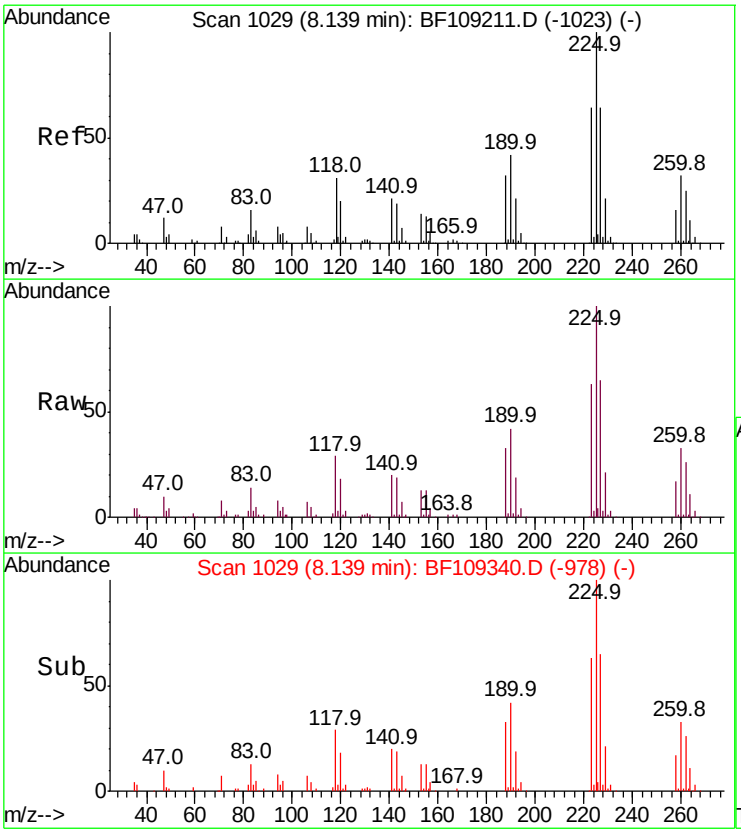
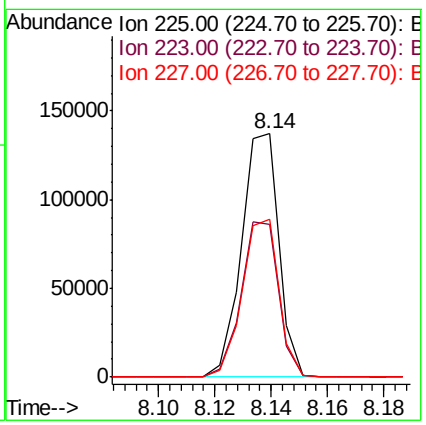
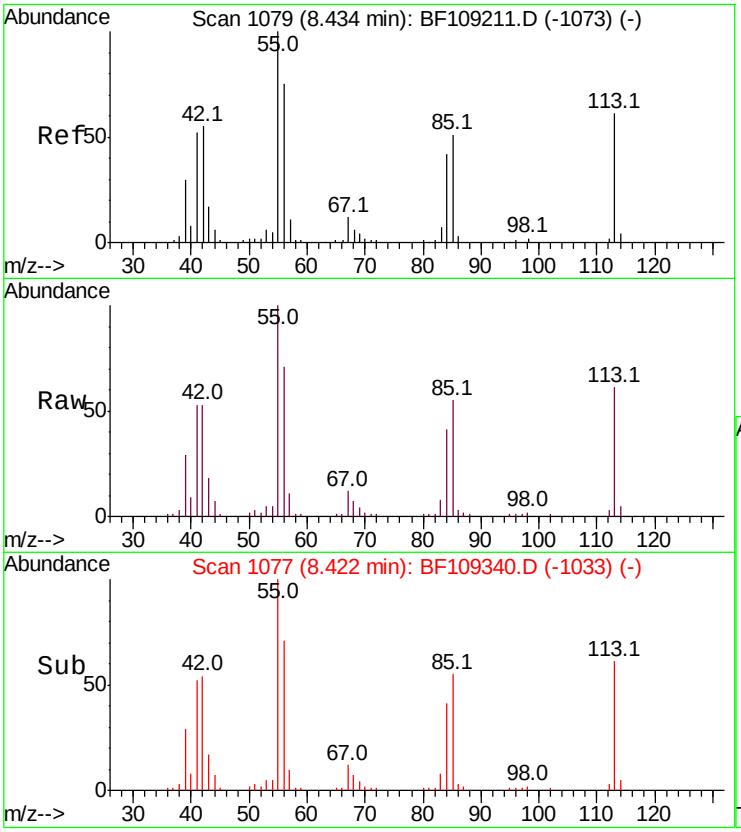


#34
Hexachlorobutadiene
Concen: 32.465 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:225 Resp: 125935

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.6	76.0
227	64.6	51.9	77.9

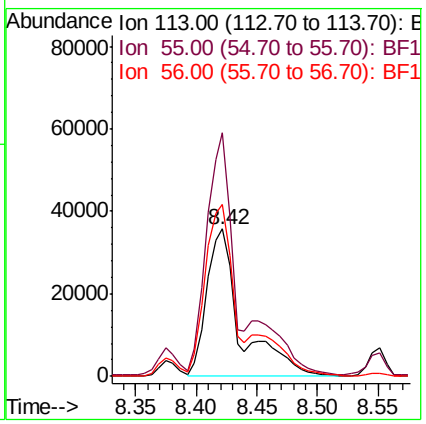




#35
Caprolactam
Concen: 37.803 ng m
RT: 8.42 min Scan# 1077
Delta R.T. -0.04 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:113 Resp: 69500

Ion	Ratio	Lower	Upper
113	100		
55	165.2	163.3	203.3
56	116.9	115.7	155.7



Instrument :
BNA_F
ClientSampleId :
CS-RBR-200027MSD

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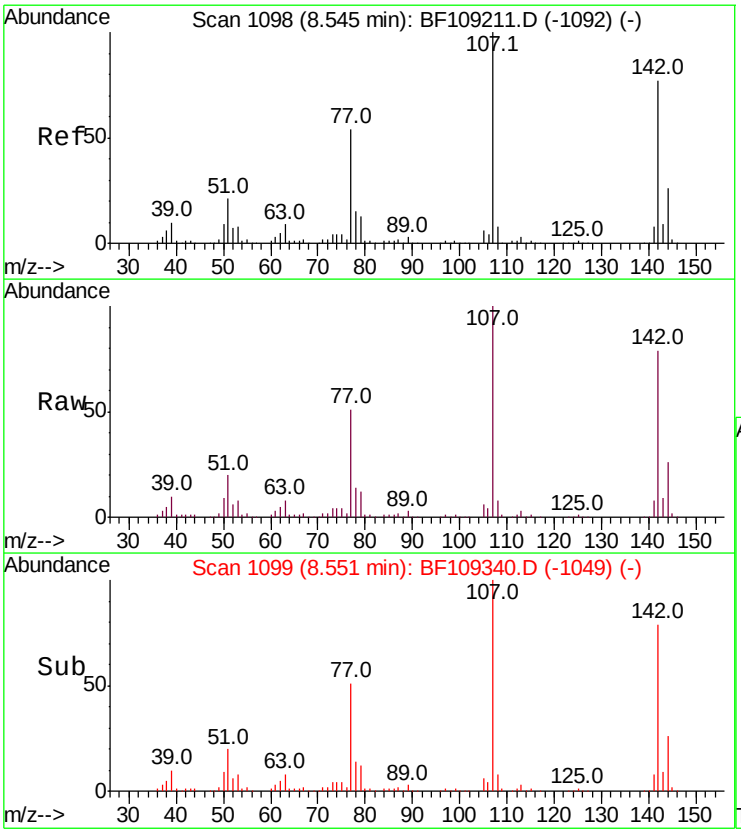
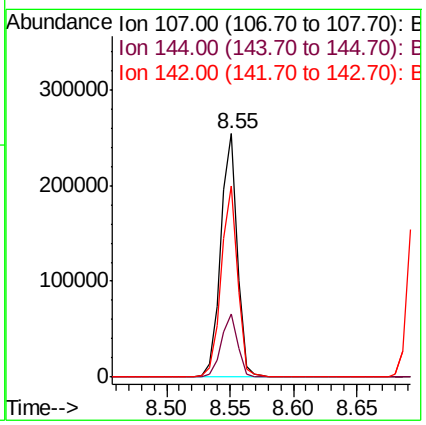
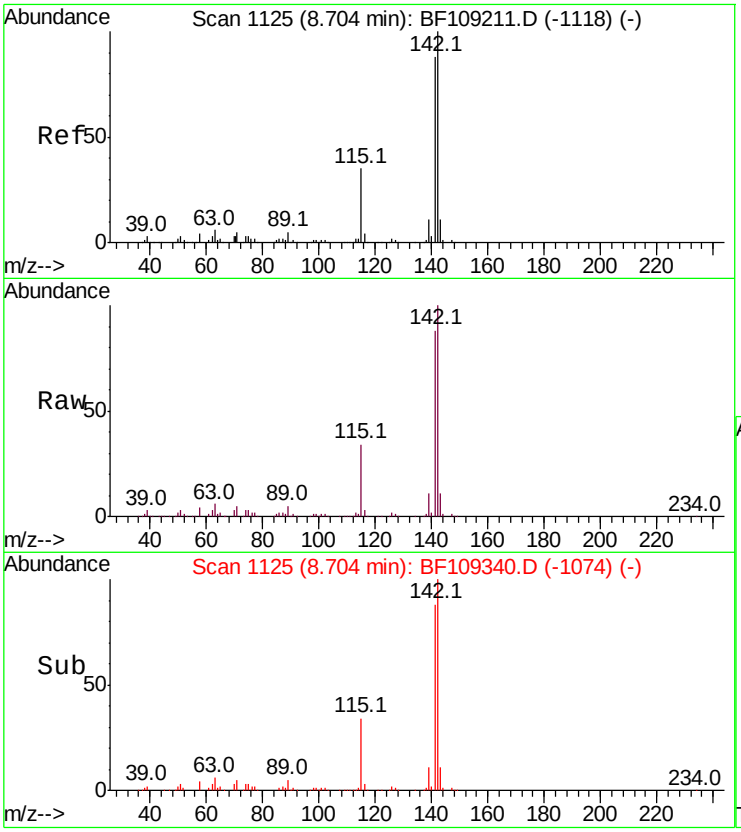


#36
4-Chloro-3-methylphenol
Concen: 38.414 ng
RT: 8.55 min Scan# 1099
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:107 Resp: 232771

Ion	Ratio	Lower	Upper
107	100		
144	25.9	20.5	30.7
142	78.7	62.0	93.0

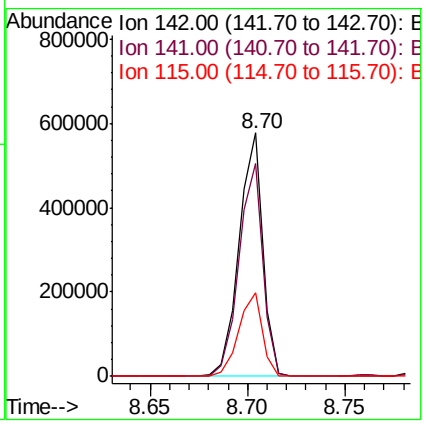




#37
2-Methylnaphthalene
Concen: 39.022 ng
RT: 8.70 min Scan# 1125
Delta R.T. 0.00 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:142 Resp: 484725

Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.8	106.2
115	34.3	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
CS-RBR-200027MSD

Manual Integrations APPROVED
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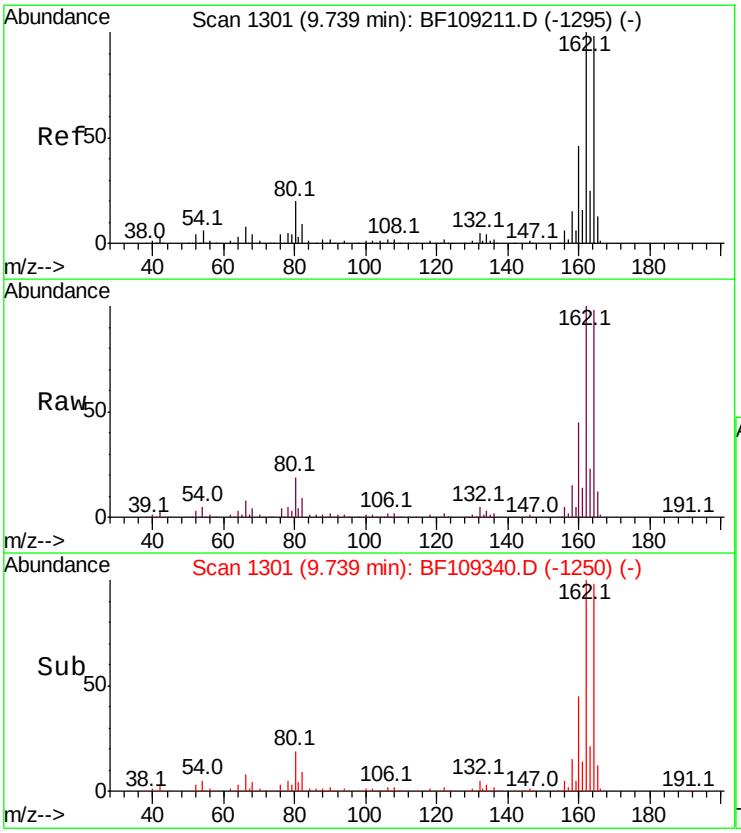
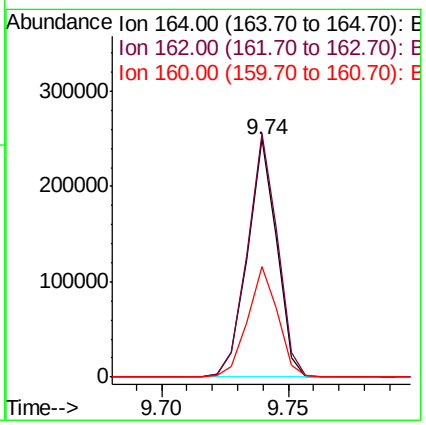
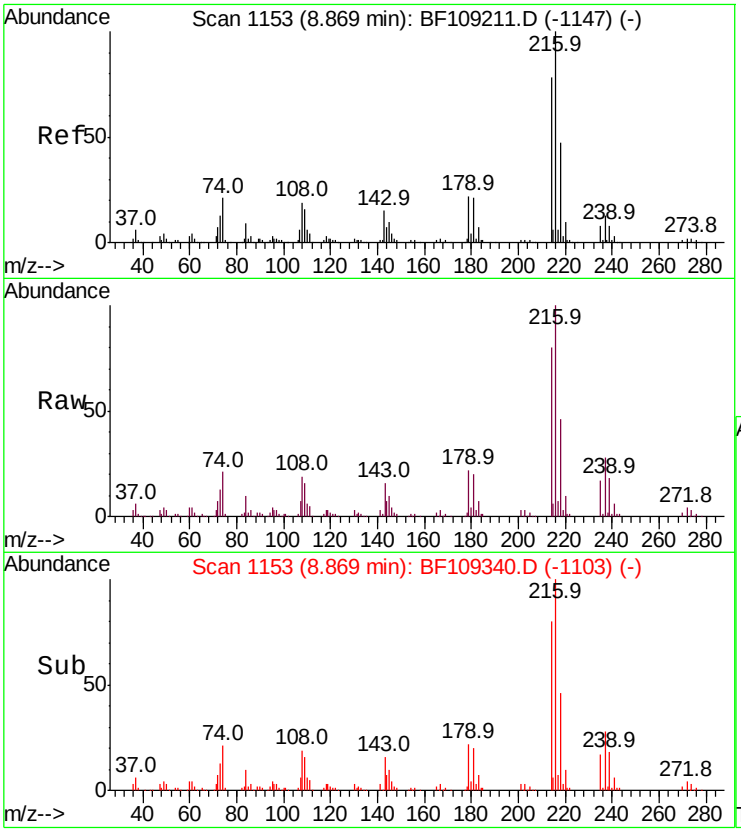


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:164 Resp: 201783

Ion	Ratio	Lower	Upper
164	100		
162	102.3	86.1	129.1
160	46.3	38.3	57.5

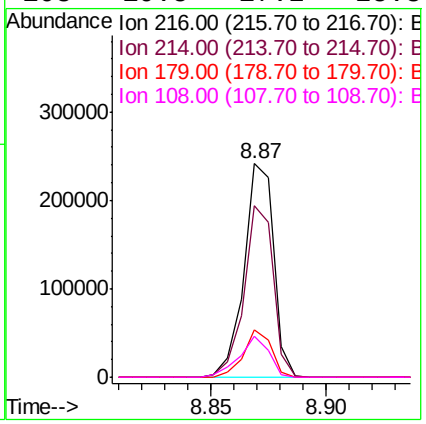




#39
1,2,4,5-Tetrachlorobenzene
Concen: 33.842 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:216 Resp: 217328

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.0	94.4
179	20.8	18.1	27.1
108	19.5	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
CS-RBR-200027MSD

Manual Integrations APPROVED
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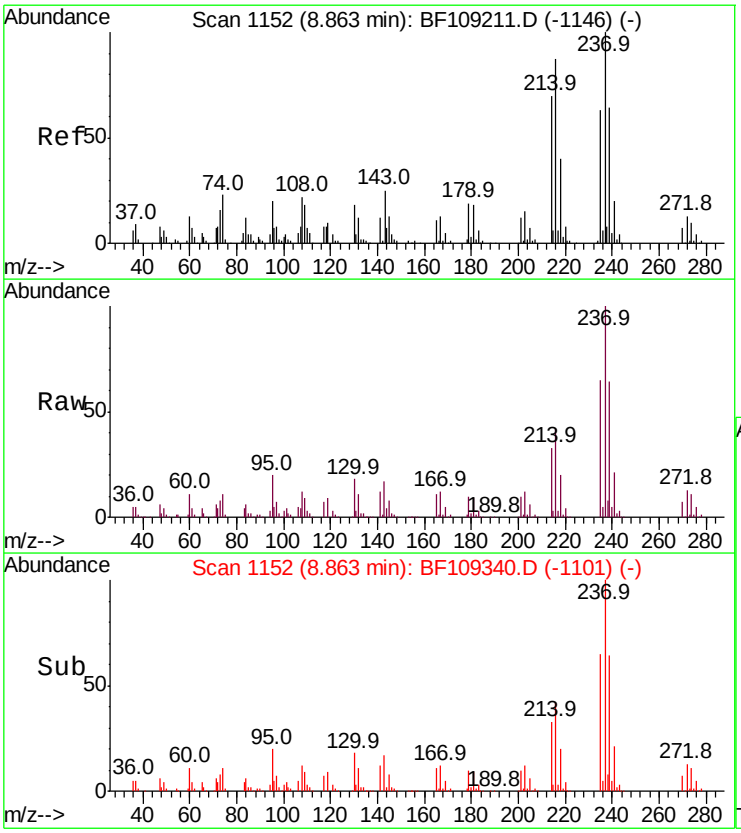
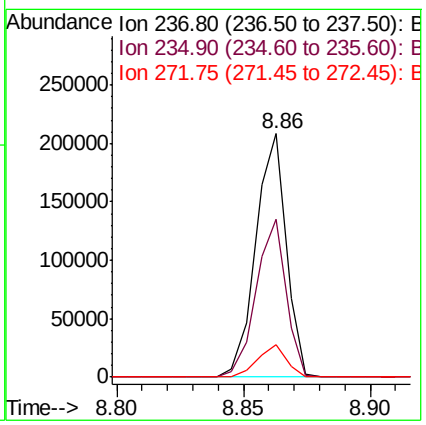
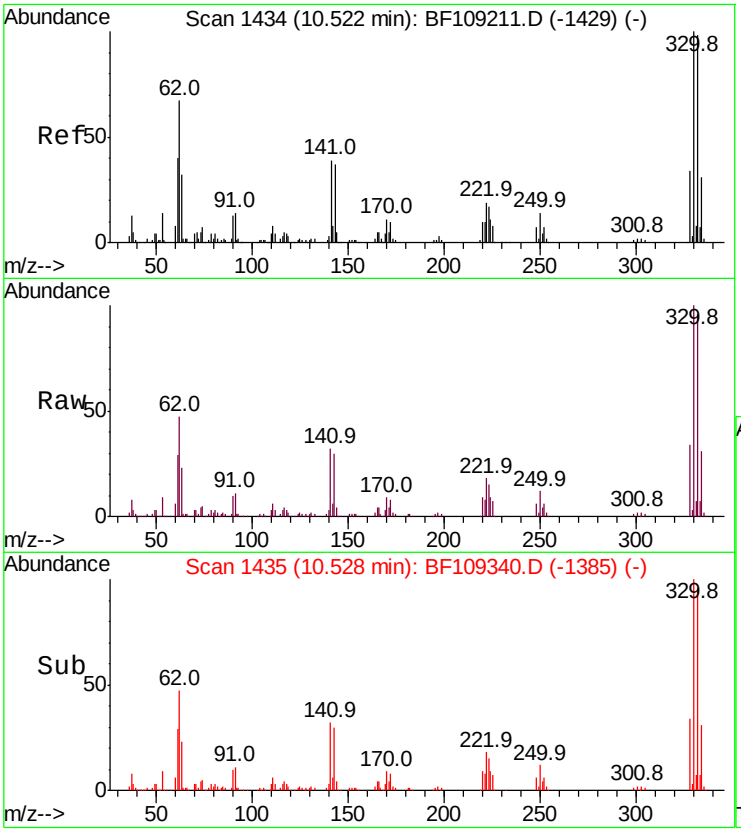


#40
Hexachlorocyclopentadiene
Concen: 62.485 ng
RT: 8.86 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:237 Resp: 175020

Ion	Ratio	Lower	Upper
237	100		
235	64.8	44.8	84.8
272	13.3	0.0	33.3

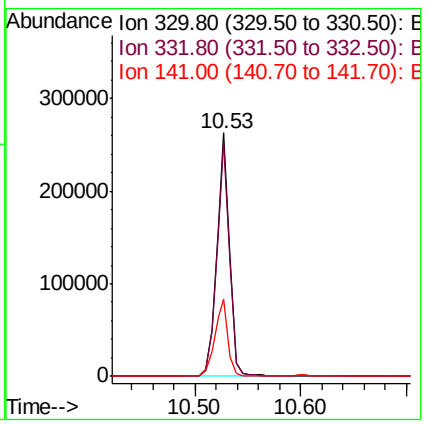




#41
2,4,6-Tribromophenol
Concen: 113.830 ng
RT: 10.53 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:330 Resp: 226427

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	32.5	29.9	44.9



Instrument :
BNA_F
ClientSampleId :
CS-RBR-200027MSD

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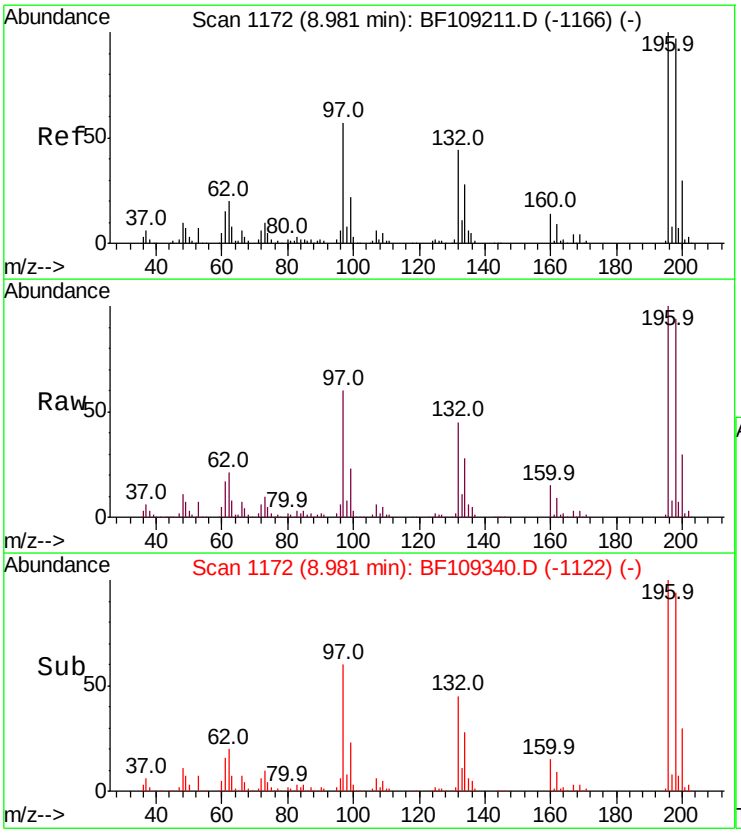
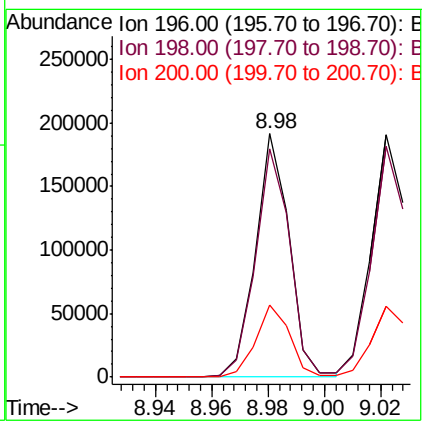
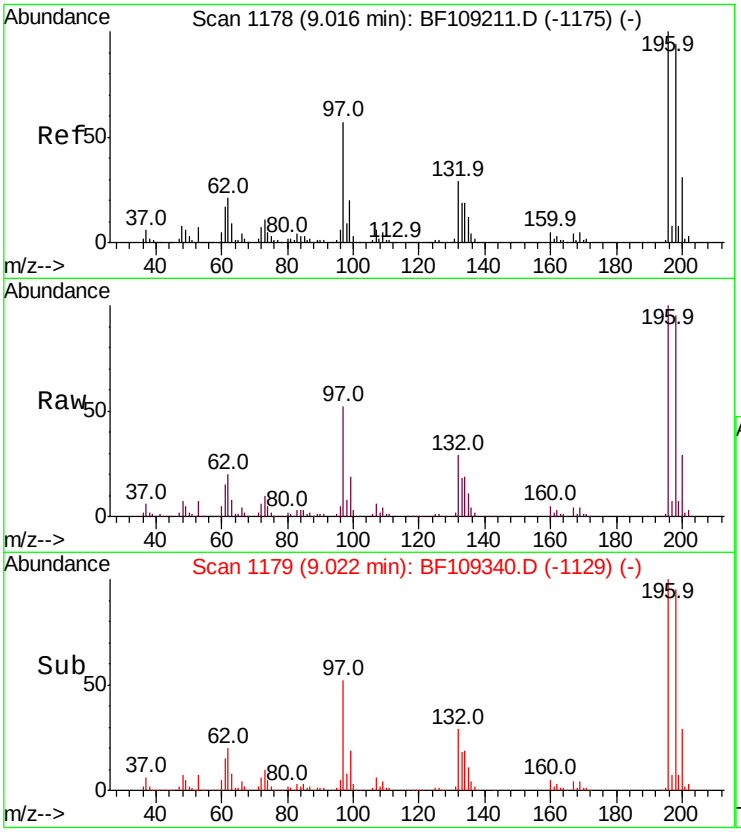


#42
2,4,6-Trichlorophenol
Concen: 38.490 ng
RT: 8.98 min Scan# 1172
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:196 Resp: 158637

Ion	Ratio	Lower	Upper
196	100		
198	93.7	75.7	113.5
200	29.7	24.5	36.7

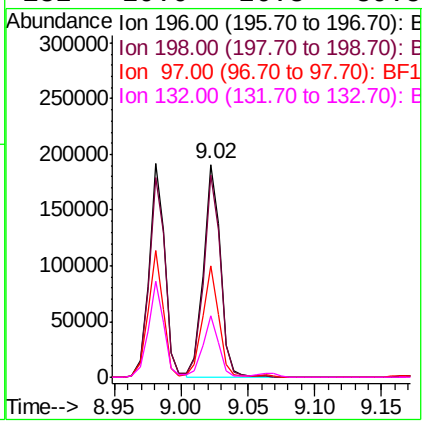




#43
2,4,5-Trichlorophenol
Concen: 38.941 ng
RT: 9.02 min Scan# 1179
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:196 Resp: 169508

Ion	Ratio	Lower	Upper
196	100		
198	94.9	74.6	112.0
97	52.3	42.9	64.3
132	29.0	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
CS-RBR-200027MSD

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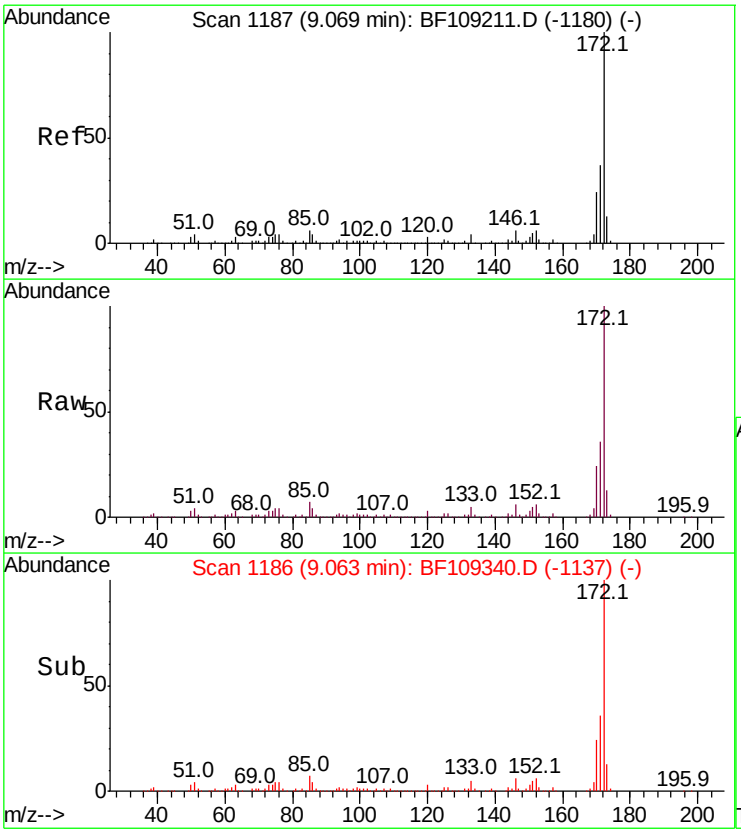
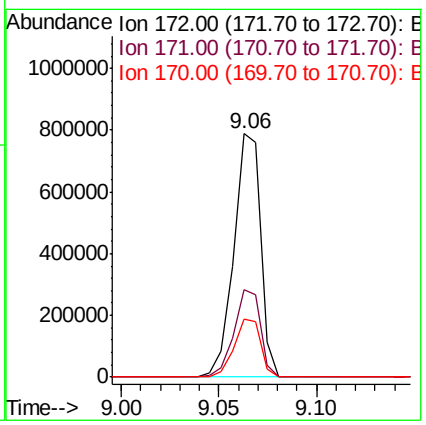
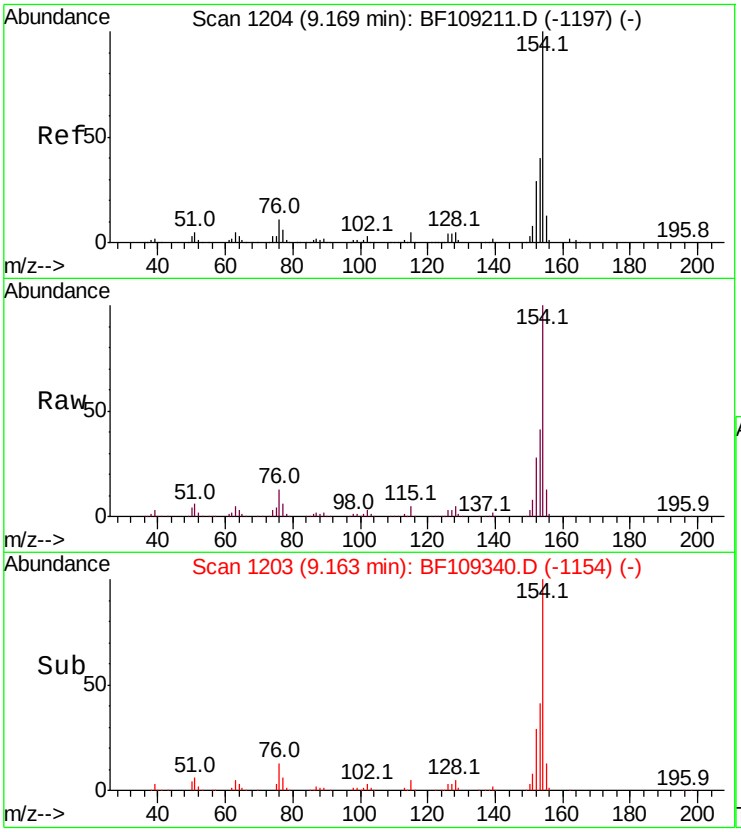


#44
2-Fluorobiphenyl
Concen: 55.993 ng
RT: 9.06 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:172 Resp: 749137

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.7	19.6	29.4

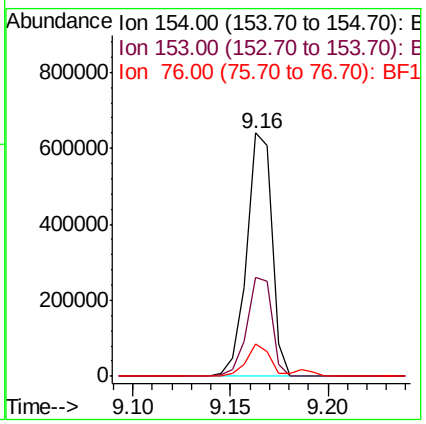




#45
1,1'-Biphenyl
Concen: 34.877 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:154 Resp: 573387

Ion	Ratio	Lower	Upper
154	100		
153	40.6	21.3	61.3
76	13.5	0.0	34.0



Instrument :
BNA_F
ClientSampleId :
CS-RBR-200027MSD

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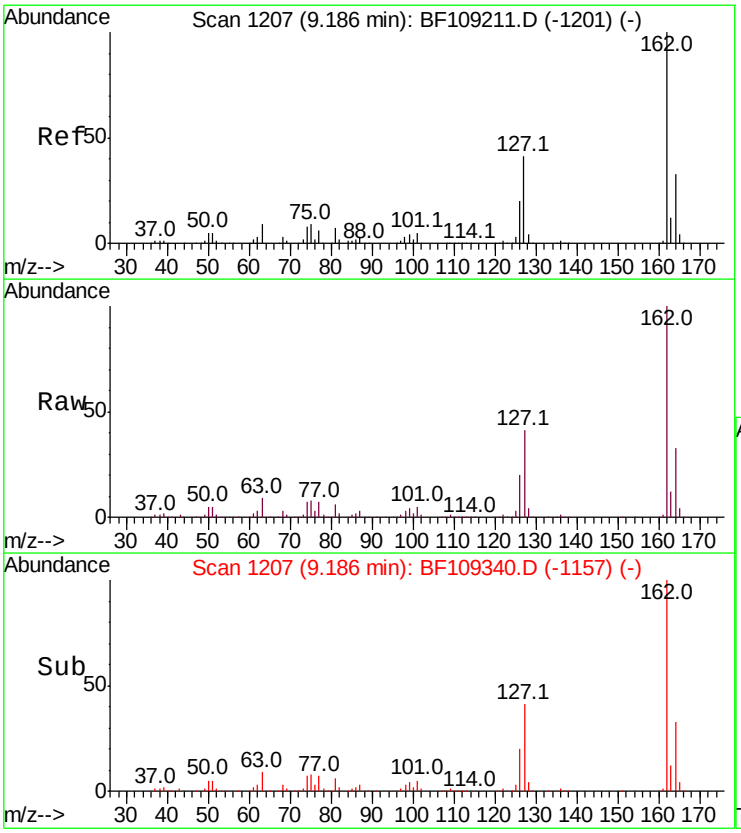
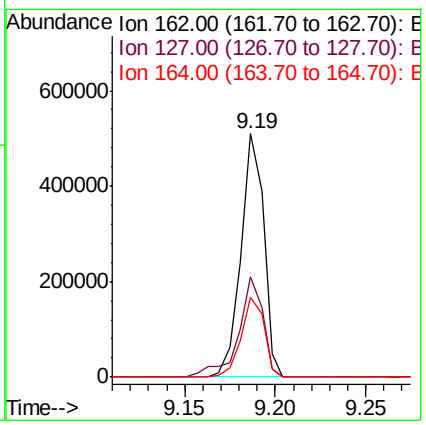
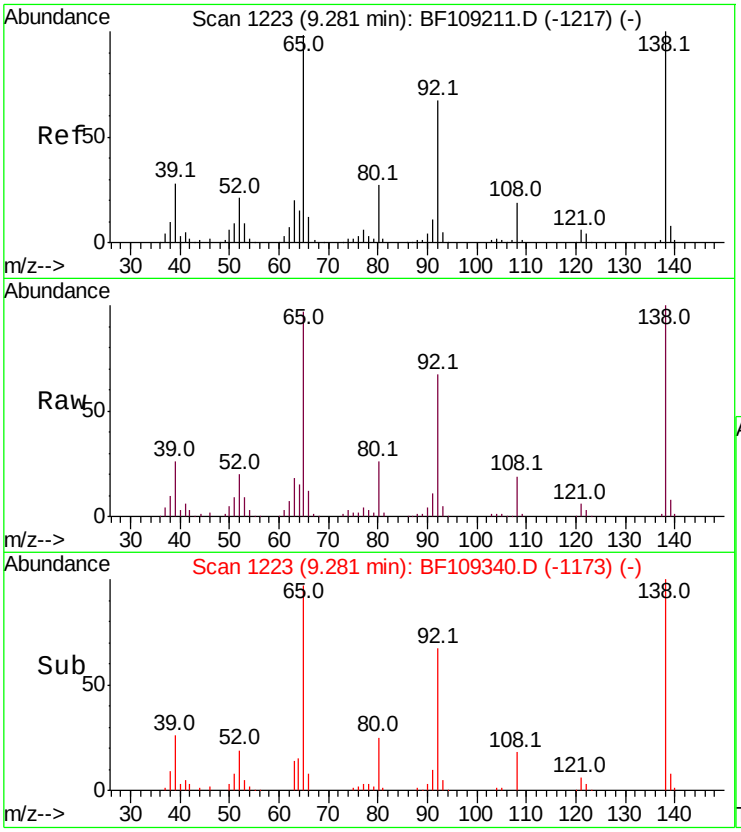


#46
2-Chloronaphthalene
Concen: 33.933 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:162 Resp: 445670

Ion	Ratio	Lower	Upper
162	100		
127	41.0	33.9	50.9
164	32.9	26.5	39.7

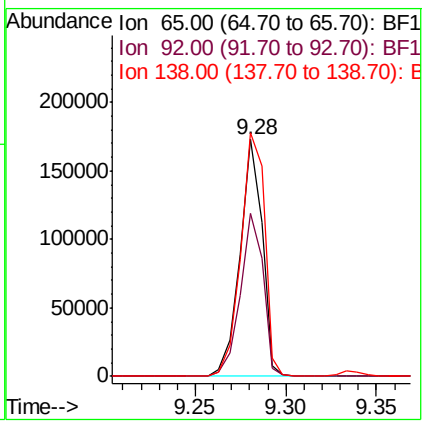




#47
2-Nitroaniline
Concen: 39.507 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion: 65 Resp: 147115

Ion	Ratio	Lower	Upper
65	100		
92	68.6	55.8	83.6
138	102.7	91.2	136.8



Instrument :
BNA_F
ClientSampleId :
CS-RBR-200027MSD

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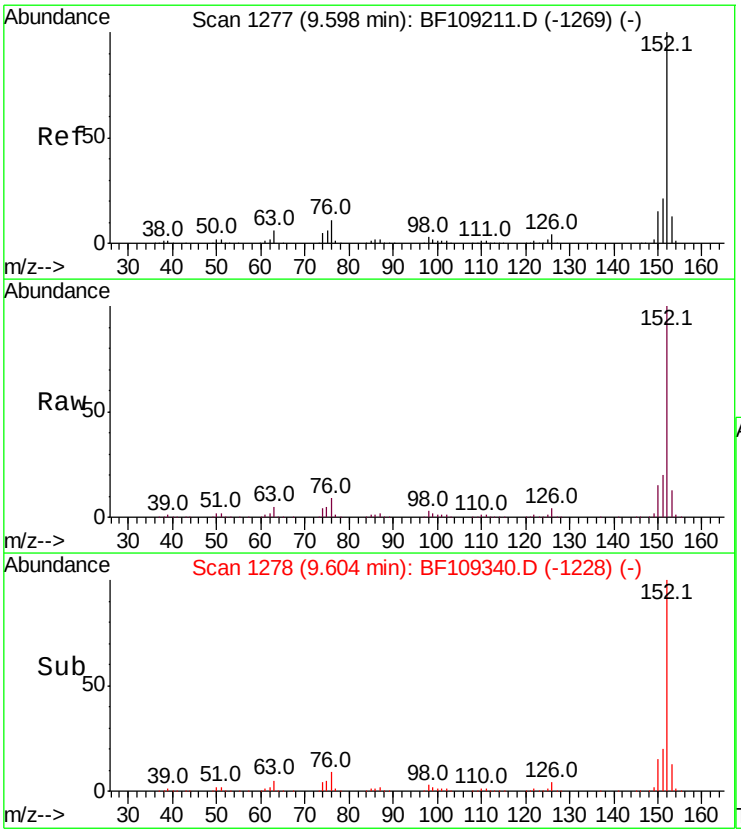
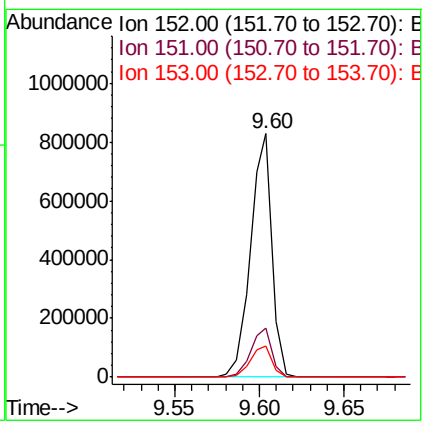
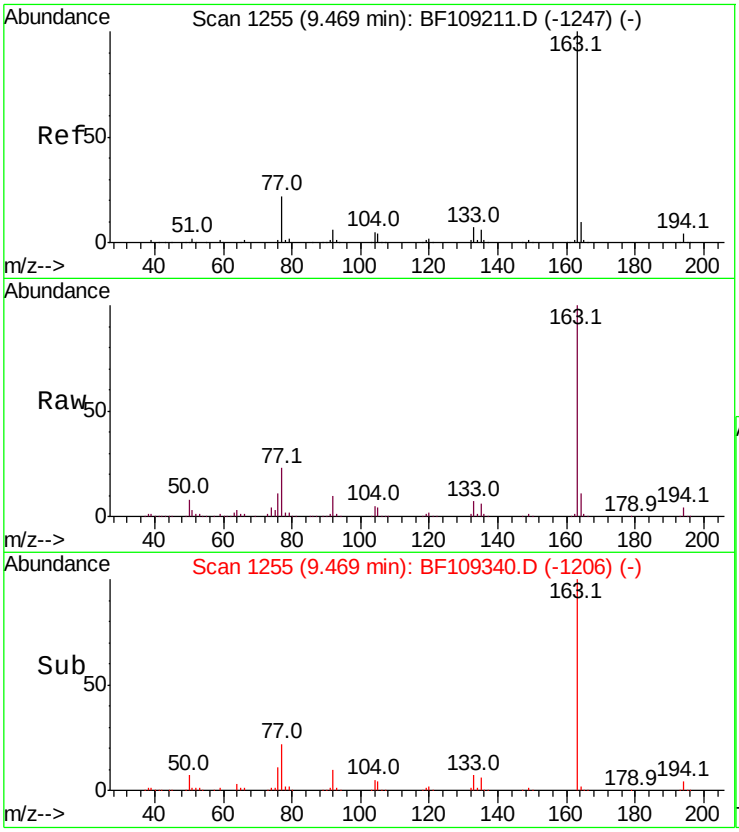


#48
Acenaphthylene
Concen: 36.970 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:152 Resp: 732509

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.3	24.5
153	13.0	10.7	16.1

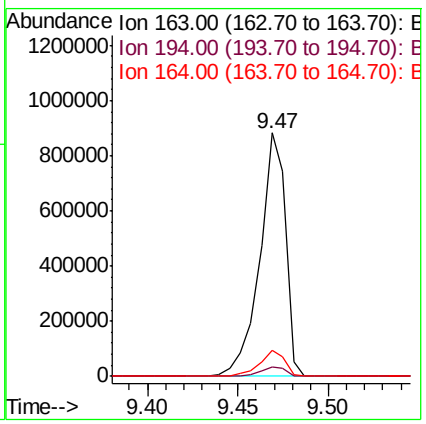




#49
Dimethylphthalate
Concen: 59.387 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:163 Resp: 871590

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	10.6	8.2	12.2



Instrument :
BNA_F
ClientSampleId :
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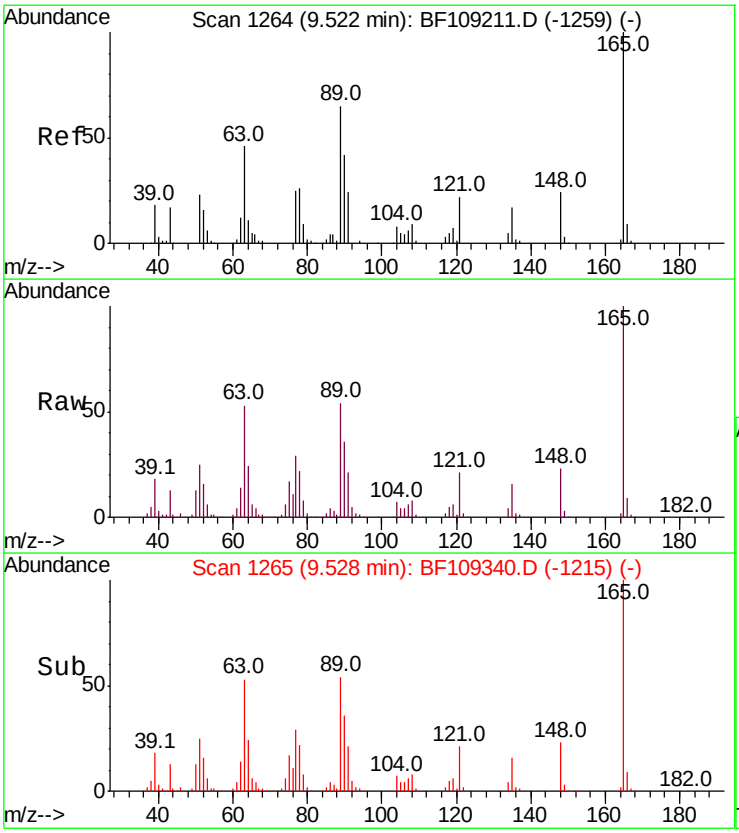
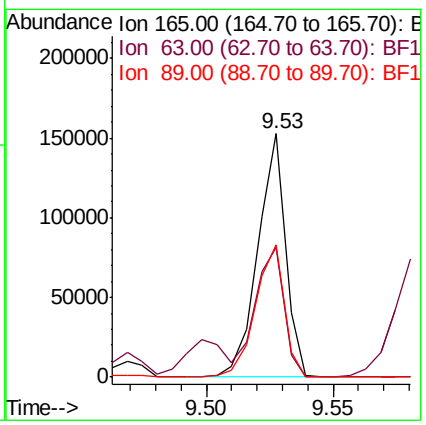
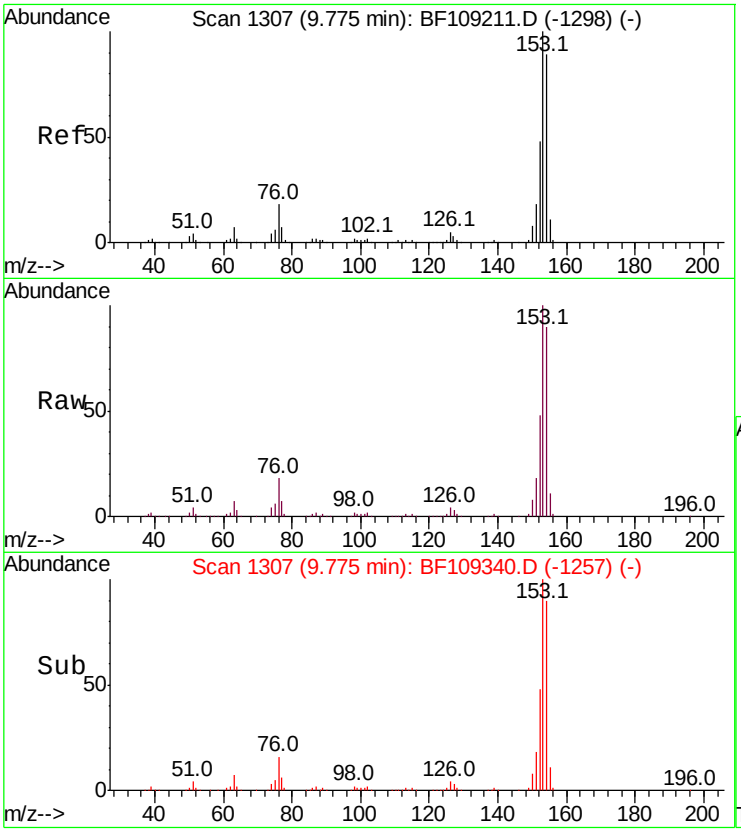


#50
2,6-Dinitrotoluene
Concen: 40.525 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:165 Resp: 117794

Ion	Ratio	Lower	Upper
165	100		
63	53.1	44.7	67.1
89	54.3	44.0	66.0

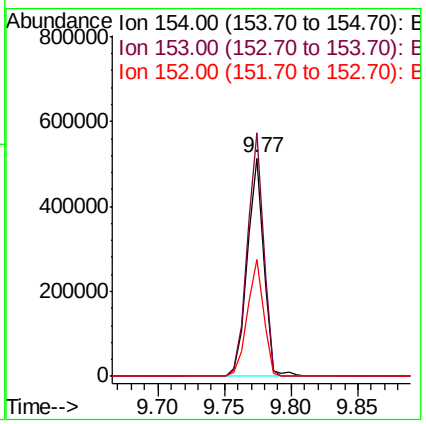




#51
Acenaphthene
Concen: 36.102 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:154 Resp: 432477

Ion	Ratio	Lower	Upper
154	100		
153	111.5	91.2	136.8
152	53.7	43.8	65.8



Instrument :
BNA_F
ClientSampleId :
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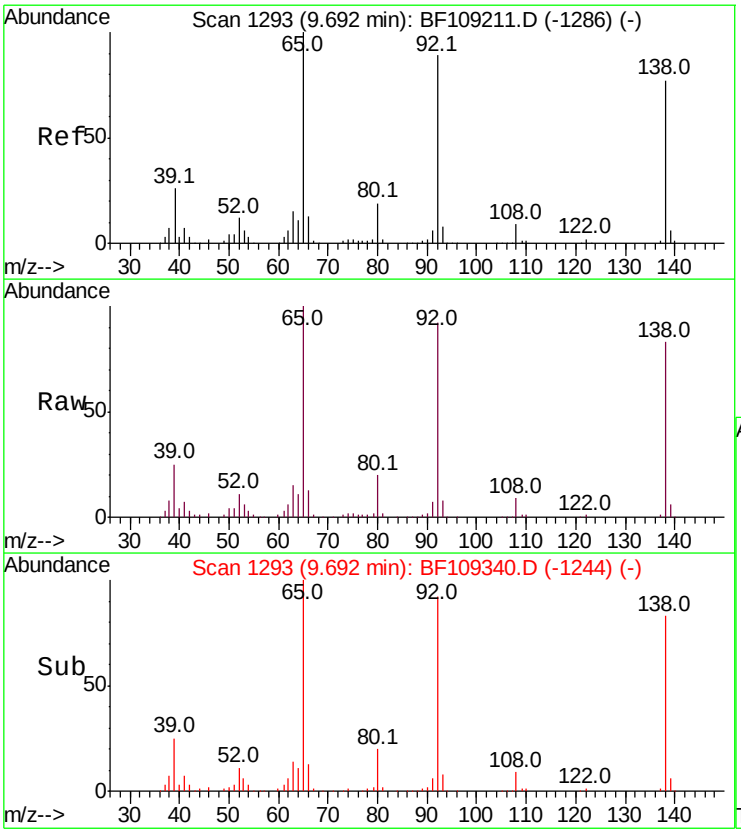
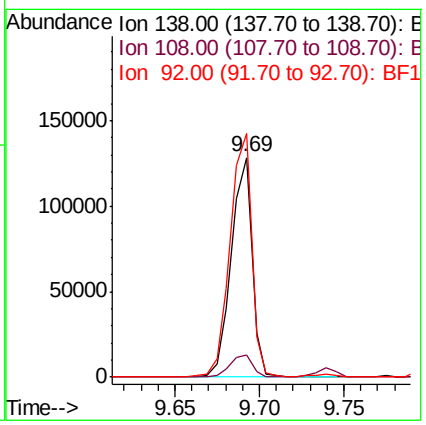
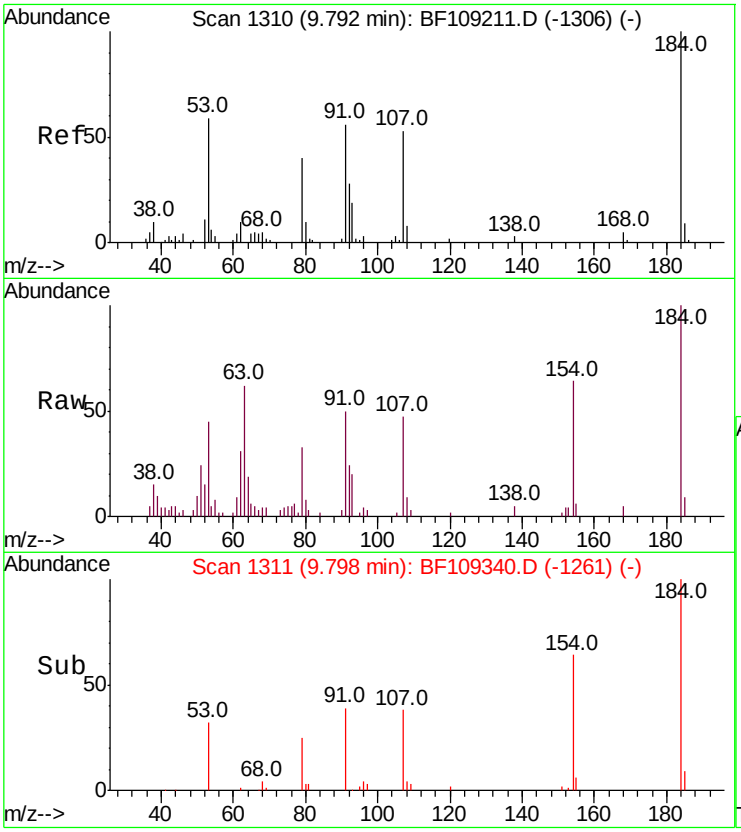


#52
3-Nitroaniline
Concen: 32.536 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:138 Resp: 109523

Ion	Ratio	Lower	Upper
138	100		
108	10.3	9.4	14.0
92	111.0	89.4	134.2

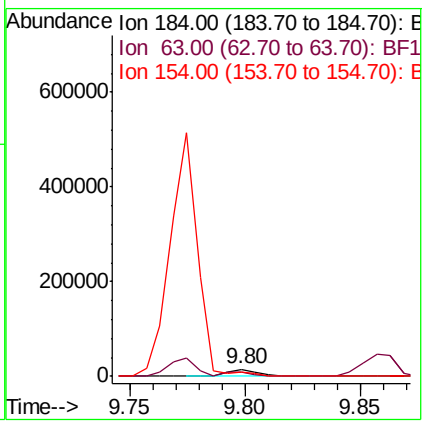




#53
2,4-Dinitrophenol
Concen: 20.084 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:184 Resp: 13358

Ion	Ratio	Lower	Upper
184	100		
63	61.6	54.2	81.2
154	63.6	184.0	276.0#



Instrument :
BNA_F
ClientSampleId :
CS-RBR-200027MSD

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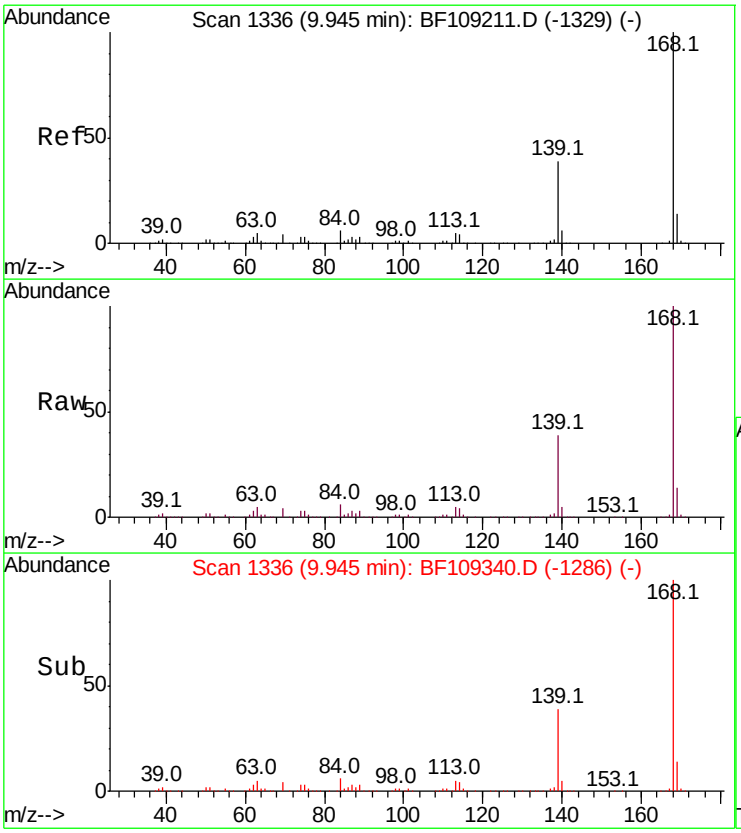
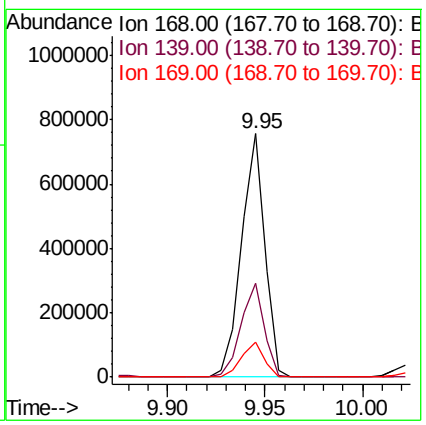
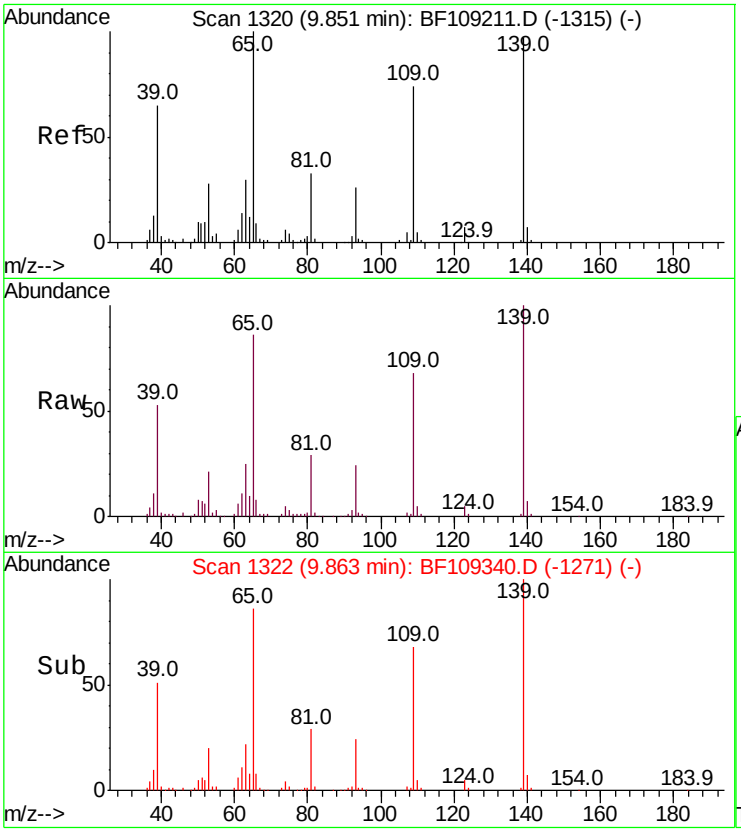


#54
Dibenzofuran
Concen: 35.153 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:168 Resp: 626270

Ion	Ratio	Lower	Upper
168	100		
139	38.8	30.1	45.1
169	14.3	10.9	16.3

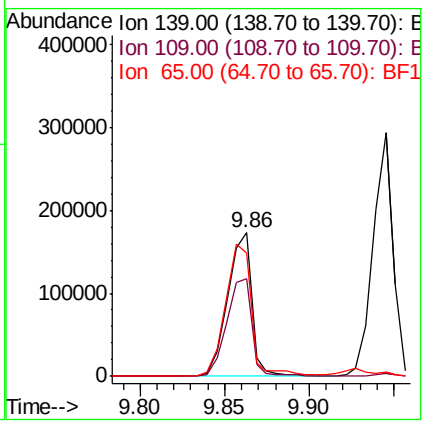




#55
4-Nitrophenol
Concen: 67.874 ng
RT: 9.86 min Scan# 1322
Delta R.T. 0.00 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:139 Resp: 172114

Ion	Ratio	Lower	Upper
139	100		
109	68.3	48.4	88.4
65	86.1	72.6	112.6



Instrument :
BNA_F
ClientSampleId :
CS-RBR-200027MSD

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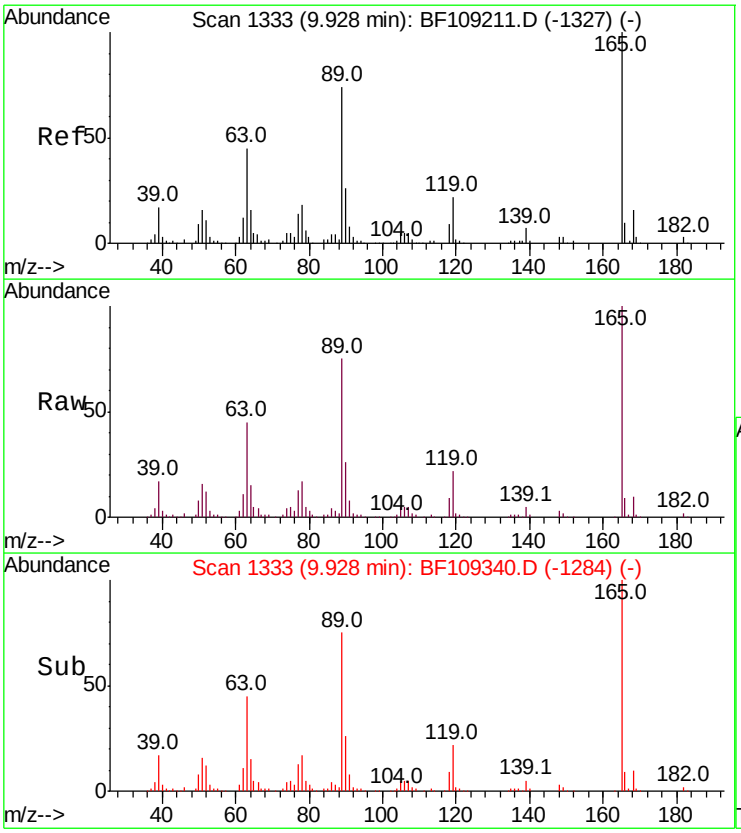
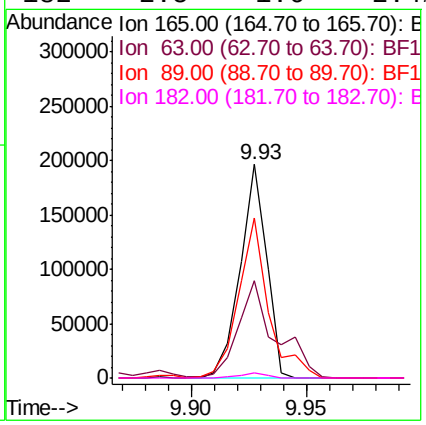
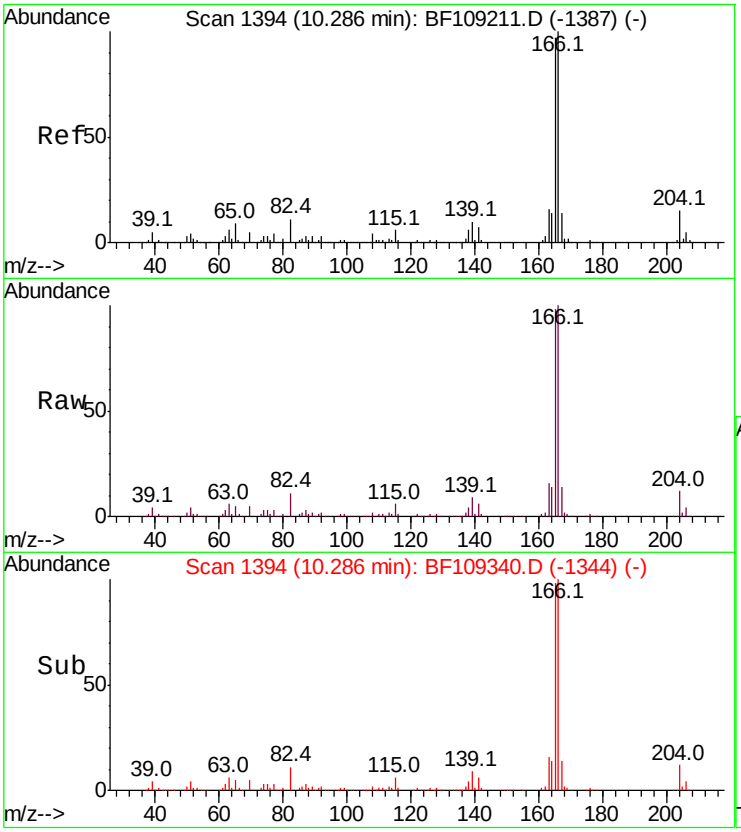


#56
2,4-Dinitrotoluene
Concen: 42.757 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:165 Resp: 157251

Ion	Ratio	Lower	Upper
165	100		
63	45.4	36.4	54.6
89	74.9	57.8	86.6
182	2.5	1.6	2.4#

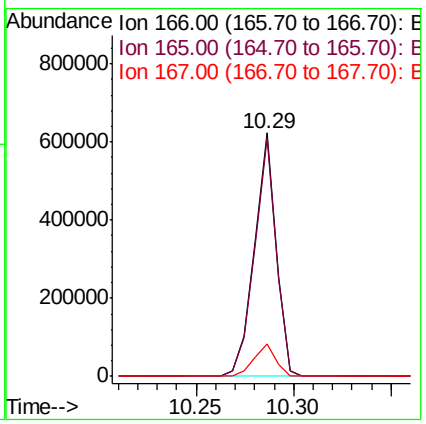




#57
Fluorene
Concen: 38.079 ng
RT: 10.29 min Scan# 1394
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:166 Resp: 484032

Ion	Ratio	Lower	Upper
166	100		
165	97.9	79.8	119.8
167	13.5	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
CS-RBR-200027MSD

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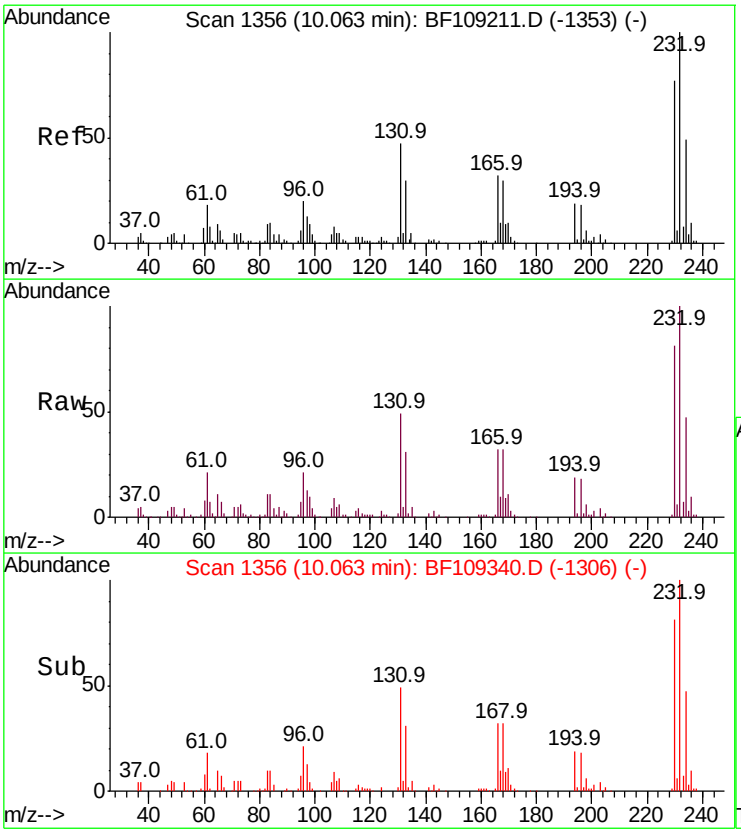
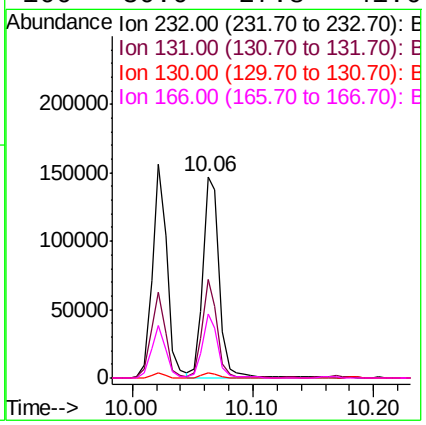
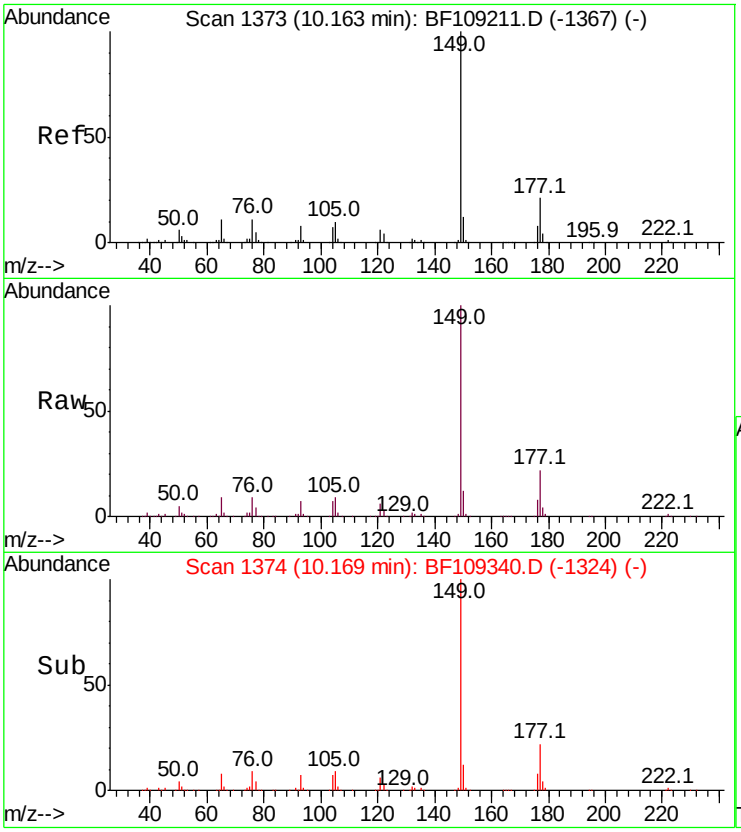


#58
2,3,4,6-Tetrachlorophenol
Concen: 40.203 ng
RT: 10.06 min Scan# 1356
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:232 Resp: 138562

Ion	Ratio	Lower	Upper
232	100		
131	44.9	43.8	65.8
130	2.2	2.1	3.1
166	30.0	27.8	41.6

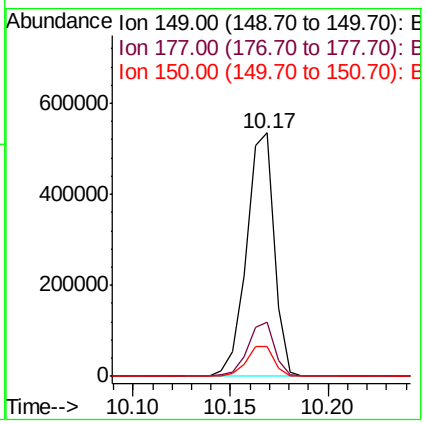




#59
Diethylphthalate
Concen: 35.360 ng
RT: 10.17 min Scan# 1374
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:149 Resp: 525519

Ion	Ratio	Lower	Upper
149	100		
177	22.4	16.1	24.1
150	12.1	10.1	15.1



Instrument :
BNA_F
ClientSampleId :
CS-RBR-200027MSD

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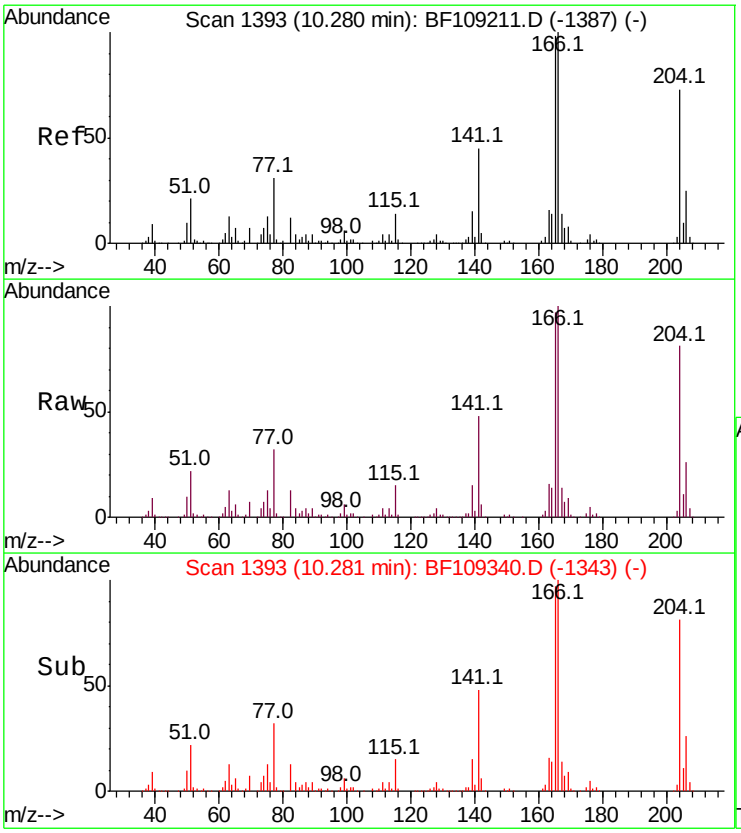
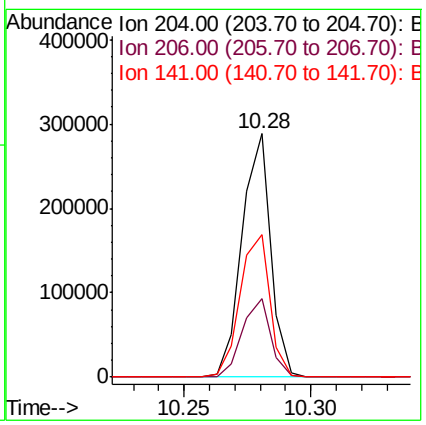
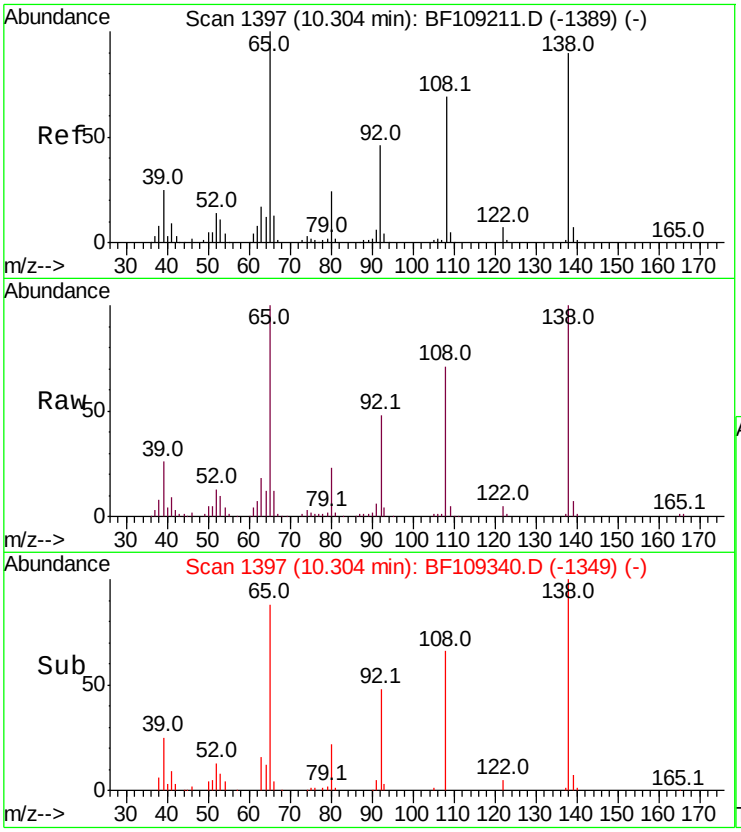


#60
4-Chlorophenyl-phenylether
Concen: 34.084 ng
RT: 10.28 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:204 Resp: 226289

Ion	Ratio	Lower	Upper
204	100		
206	32.1	26.5	39.7
141	58.7	54.6	81.8

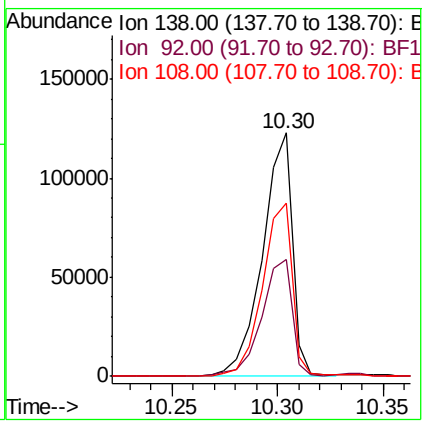




#61
4-Nitroaniline
Concen: 36.959 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.02 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:138 Resp: 121329

Ion	Ratio	Lower	Upper
138	100		
92	48.0	30.2	70.2
108	71.2	52.5	92.5



Instrument :
BNA_F
ClientSampleId :
CS-RBR-200027MSD

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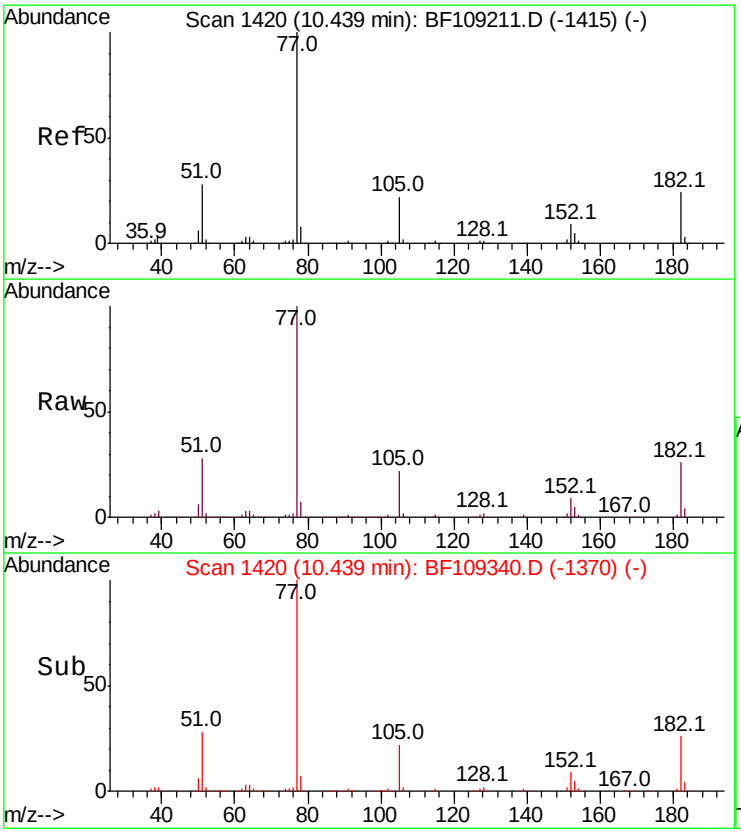
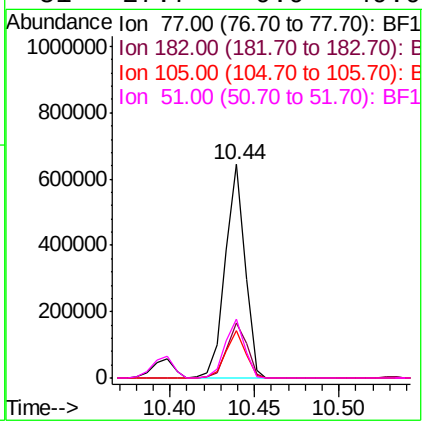
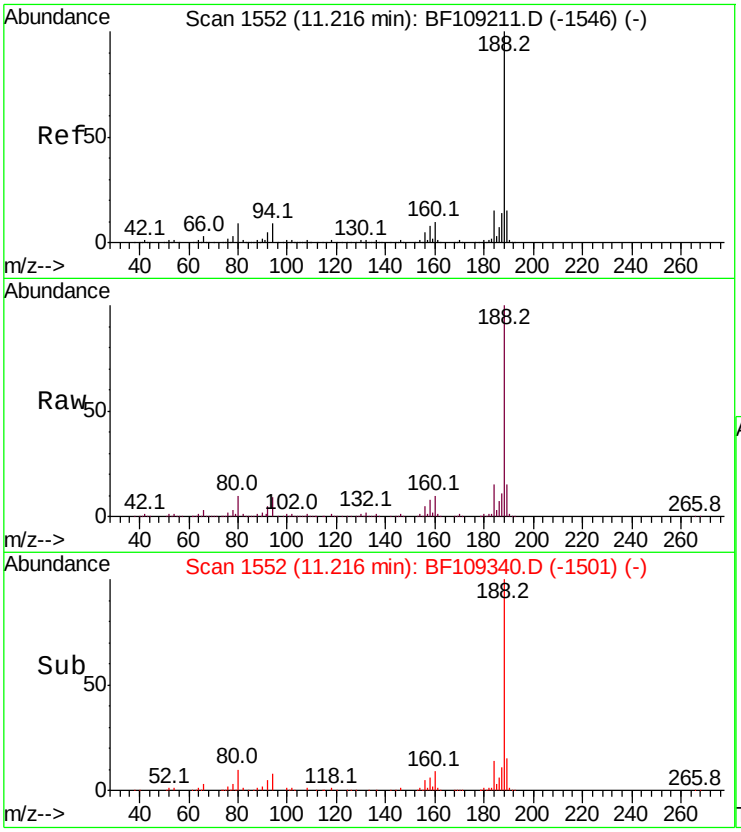


#62
Azobenzene
Concen: 33.769 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion: 77 Resp: 521425

Ion	Ratio	Lower	Upper
77	100		
182	26.0	1.7	41.7
105	22.2	3.0	43.0
51	27.7	9.9	49.9





#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:188 Resp: 382308

Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.5	12.7
80	10.2	9.2	13.8

Instrument :
BNA_F
ClientSampleId :
CS-RBR-200027MSD

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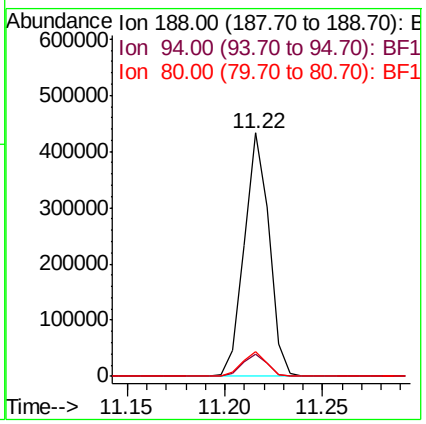
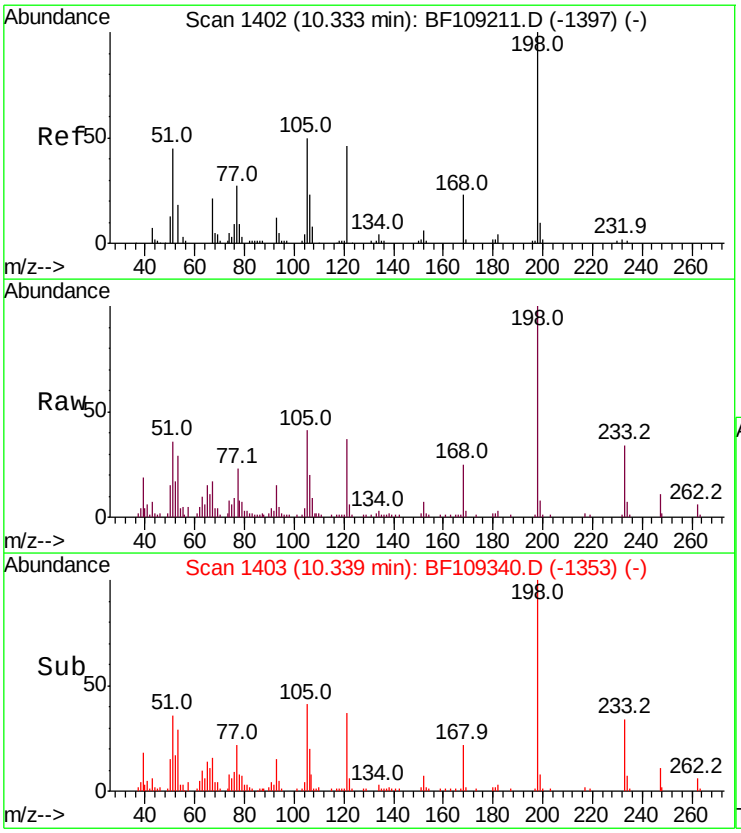
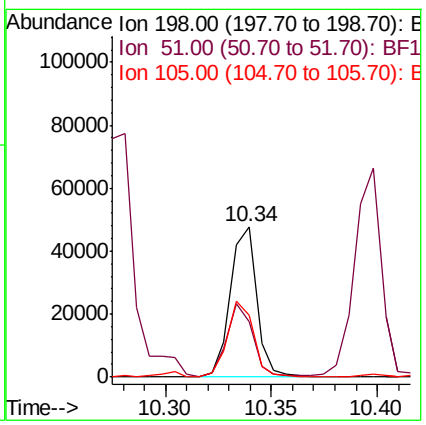


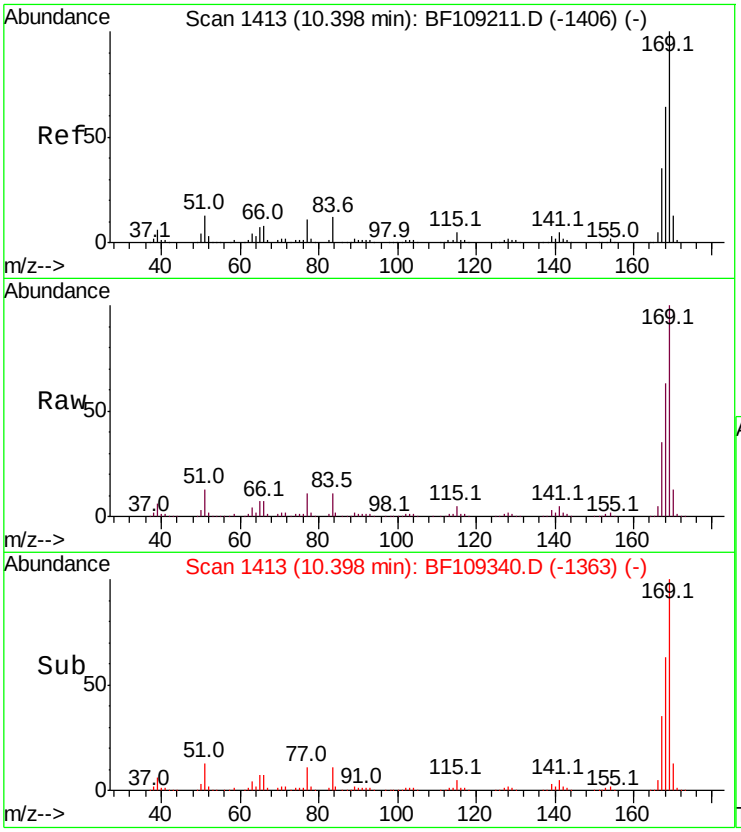


#64
4,6-Dinitro-2-methylphenol
Concen: 29.750 ng
RT: 10.34 min Scan# 1403
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:198 Resp: 41133

Ion	Ratio	Lower	Upper
198	100		
51	36.5	37.7	77.7#
105	41.4	36.3	76.3





#65
n-Nitrosodiphenylamine
Concen: 36.129 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:169 Resp: 456361

Ion	Ratio	Lower	Upper
169	100		
168	63.0	54.4	81.6
167	35.4	29.8	44.6

Instrument :
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ClientSampleId :
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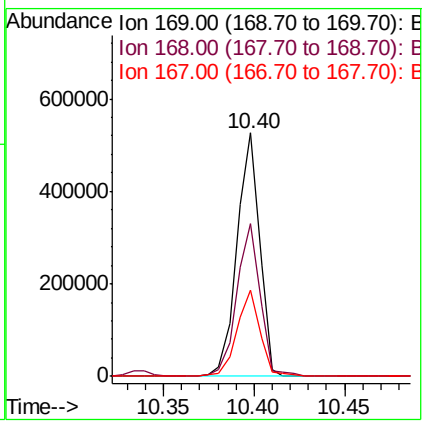
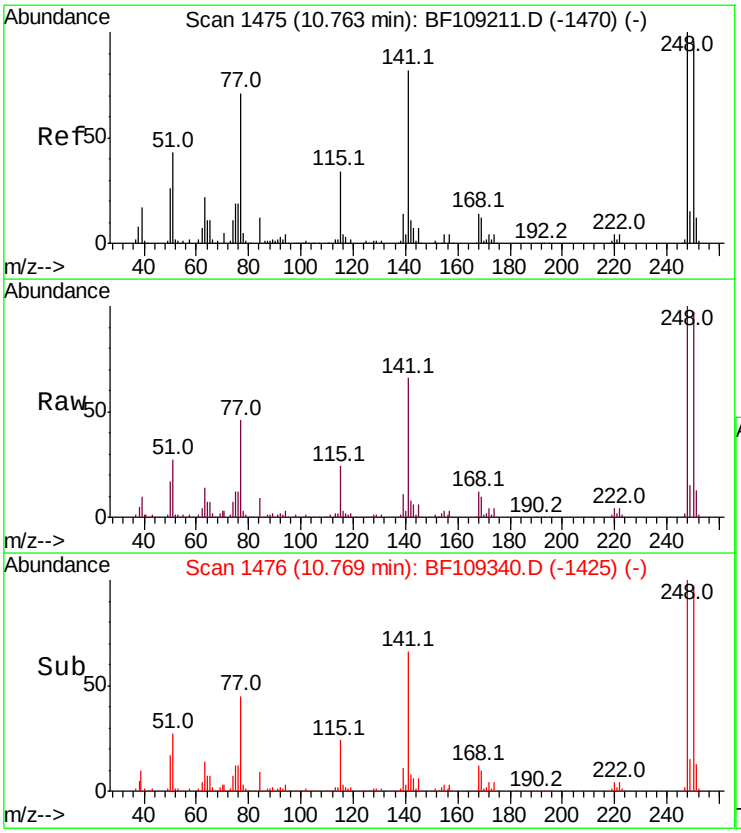
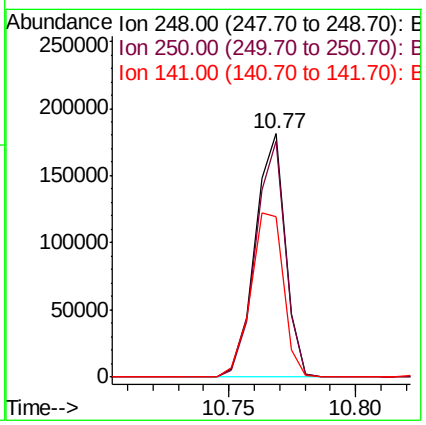


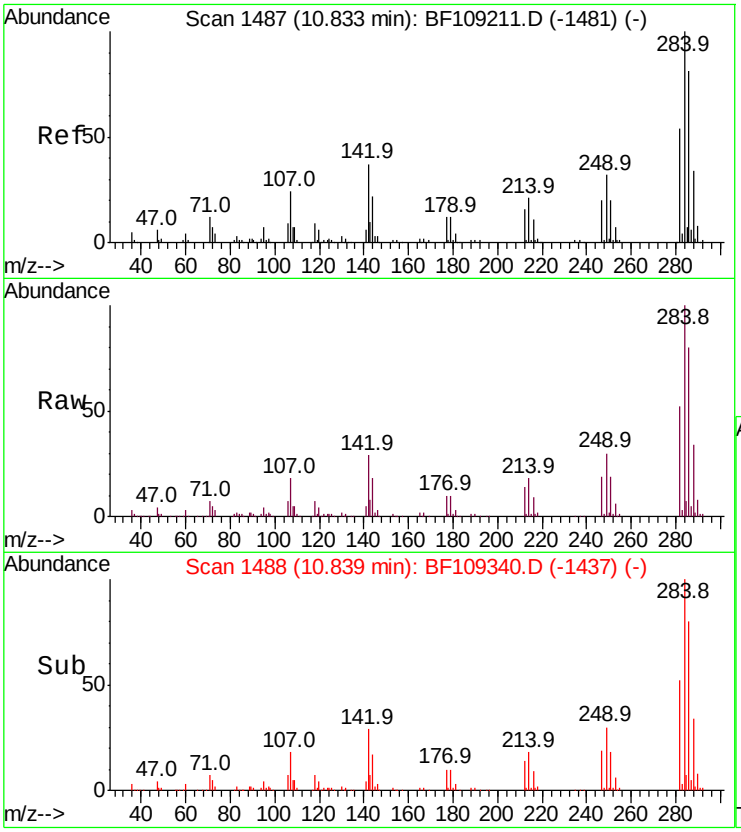


#66
4-Bromophenyl-phenylether
Concen: 35.697 ng
RT: 10.77 min Scan# 1476
Delta R.T. 0.00 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:248 Resp: 151546

Ion	Ratio	Lower	Upper
248	100		
250	96.8	76.9	115.3
141	65.8	74.4	111.6#

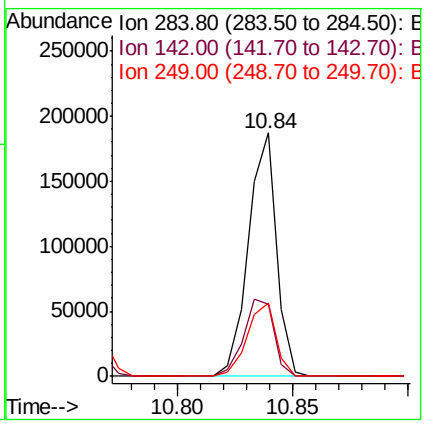




#67
Hexachlorobenzene
Concen: 35.465 ng
RT: 10.84 min Scan# 1488
Delta R.T. 0.00 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:284 Resp: 159907

Ion	Ratio	Lower	Upper
284	100		
142	29.4	34.6	52.0#
249	30.0	24.8	37.2



Instrument :
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ClientSampleId :
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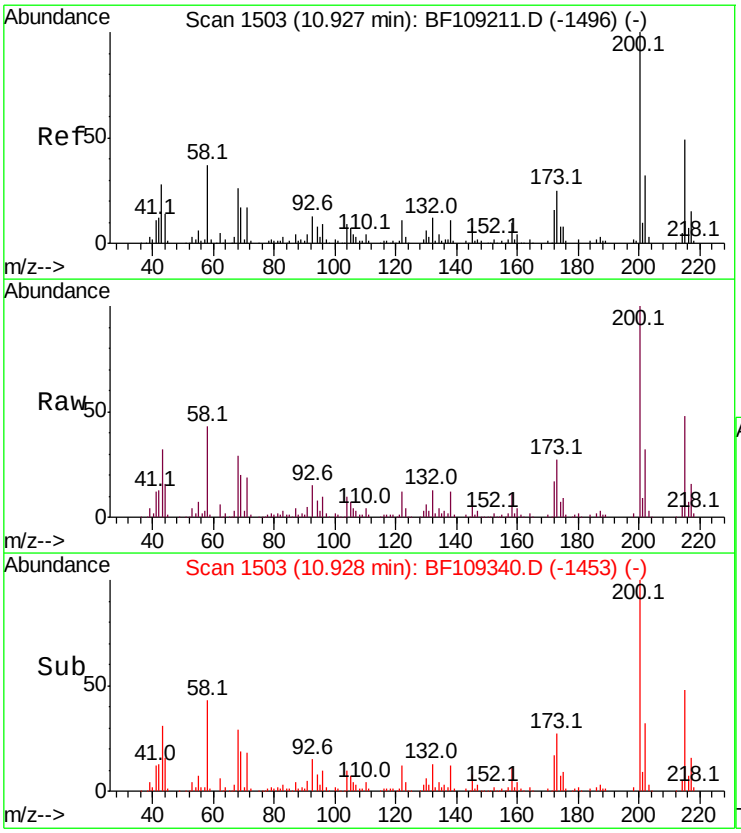
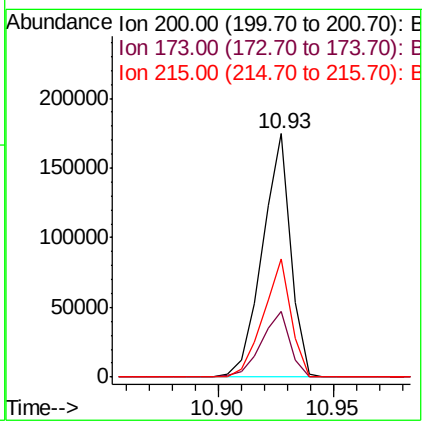
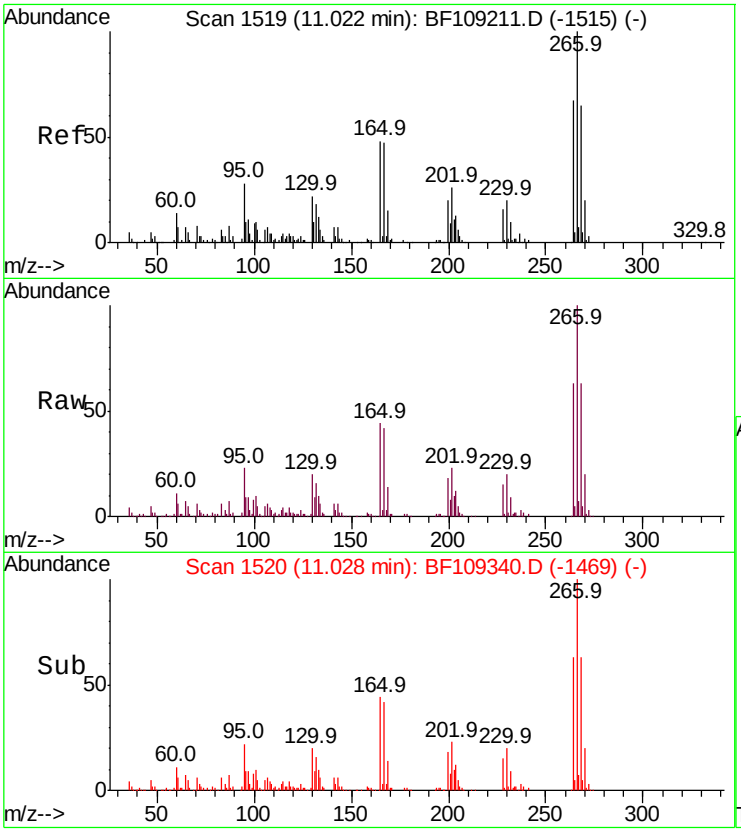


#68
Atrazine
Concen: 38.245 ng
RT: 10.93 min Scan# 1503
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:200 Resp: 148572

Ion	Ratio	Lower	Upper
200	100		
173	27.2	8.6	48.6
215	48.3	25.1	65.1





#69
Pentachlorophenol
Concen: 59.449 ng
RT: 11.03 min Scan# 1520
Delta R.T. 0.00 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:266 Resp: 160428

Ion	Ratio	Lower	Upper
266	100		
268	62.6	51.1	76.7
264	63.3	49.5	74.3

Instrument :
BNA_F
ClientSampleId :
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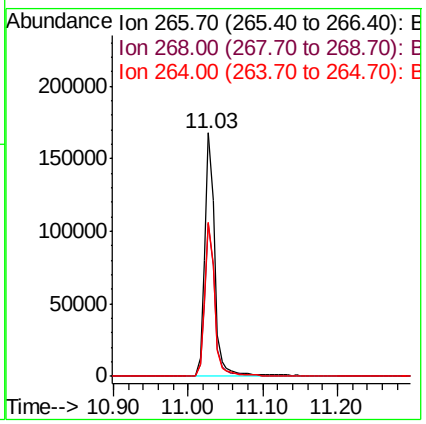
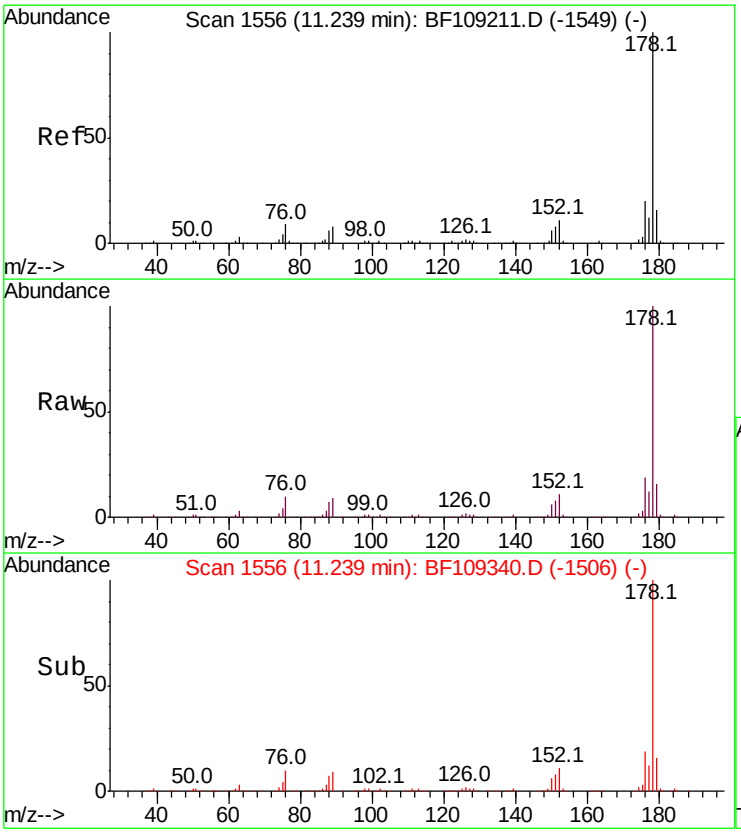
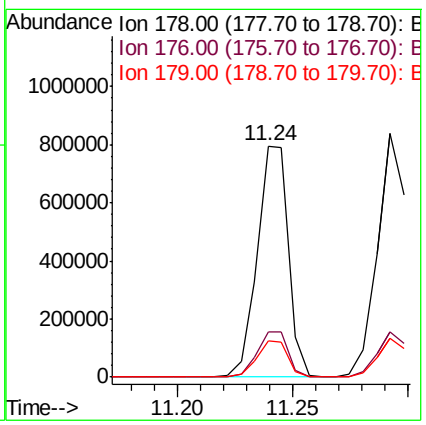


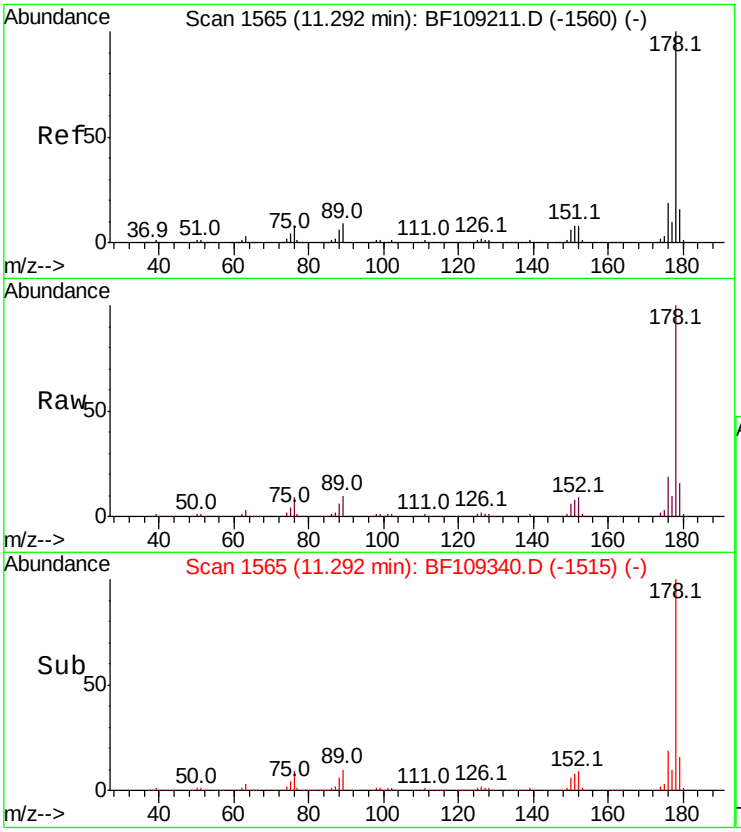


#70
Phenanthrene
Concen: 39.212 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:178 Resp: 748509

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.8	13.0	19.6

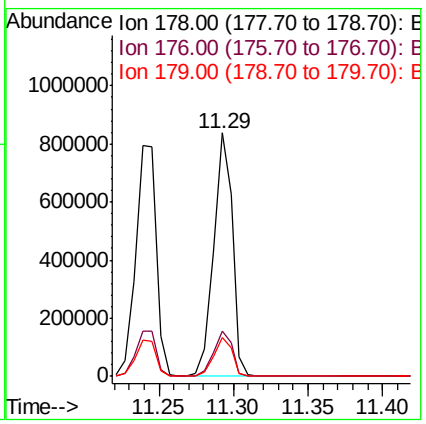




#71
Anthracene
Concen: 37.726 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:178 Resp: 730411

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.8	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
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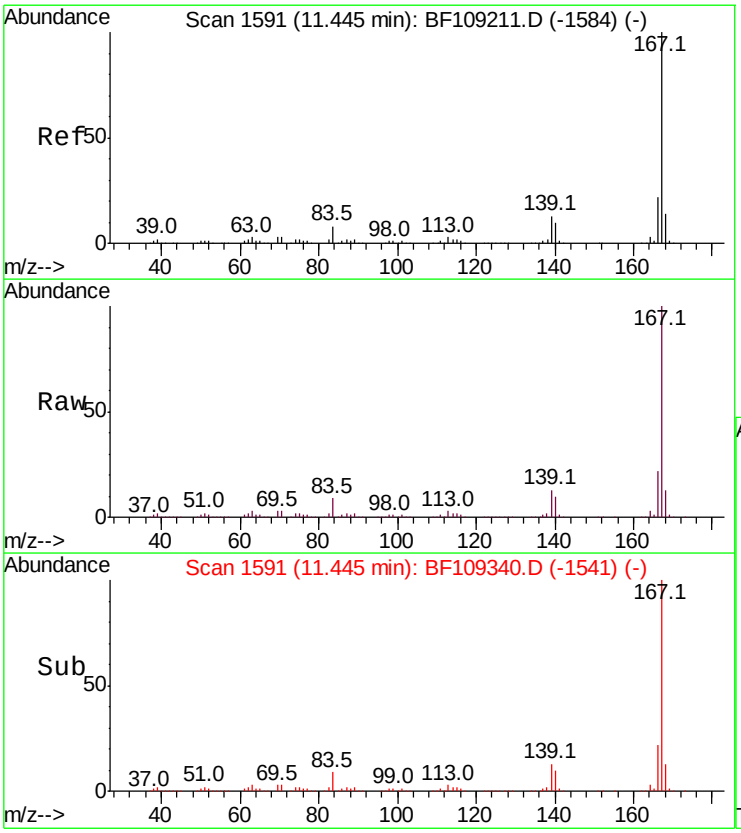
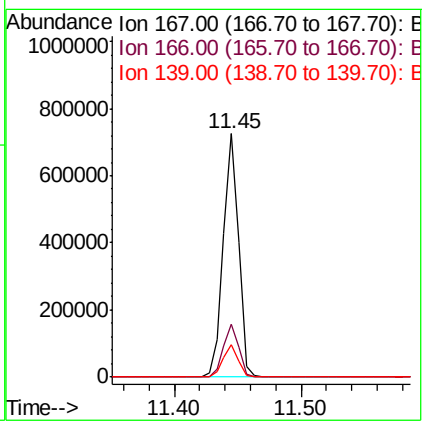
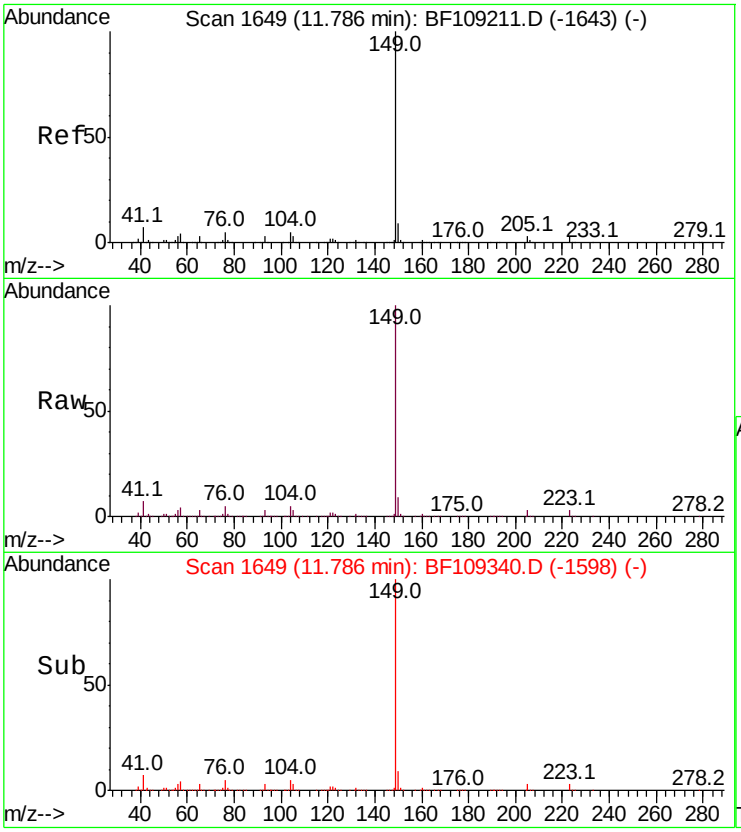


#72
Carbazole
Concen: 31.571 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:167 Resp: 608156

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.6	26.4
139	13.1	10.9	16.3

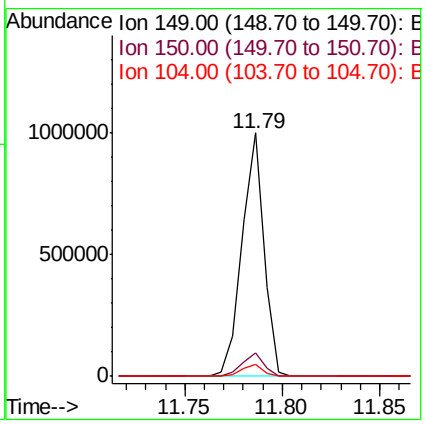




#73
Di-n-butylphthalate
Concen: 35.131 ng
RT: 11.79 min Scan# 1649
Delta R.T. 0.00 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:149 Resp: 779063

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.8	11.6
104	4.8	3.8	5.8



Instrument :
BNA_F
ClientSampleId :
CS-RBR-200027MSD

Manual Integrations APPROVED
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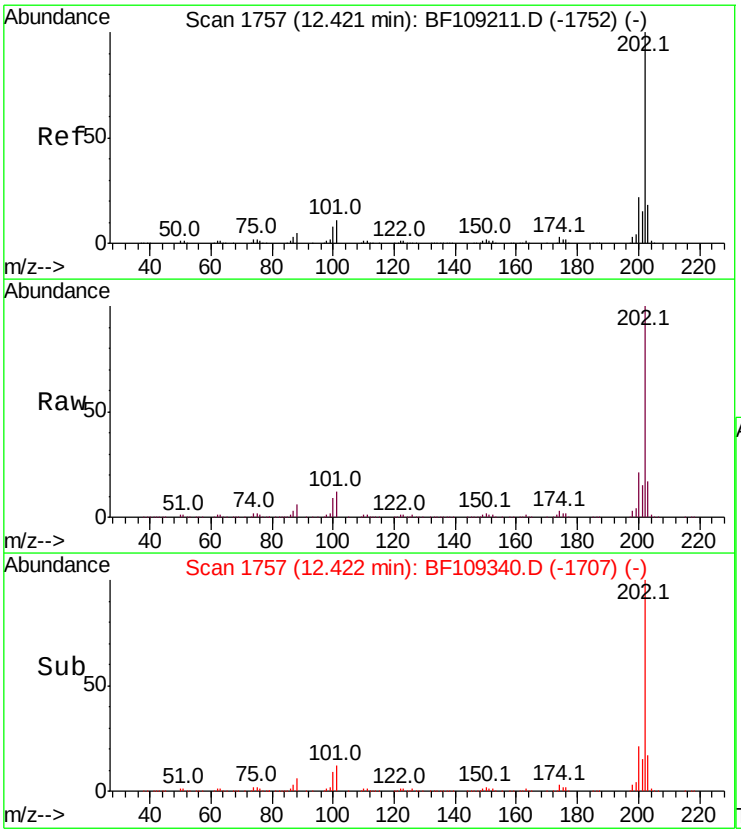
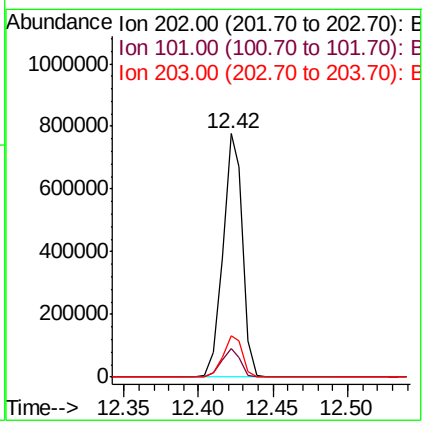
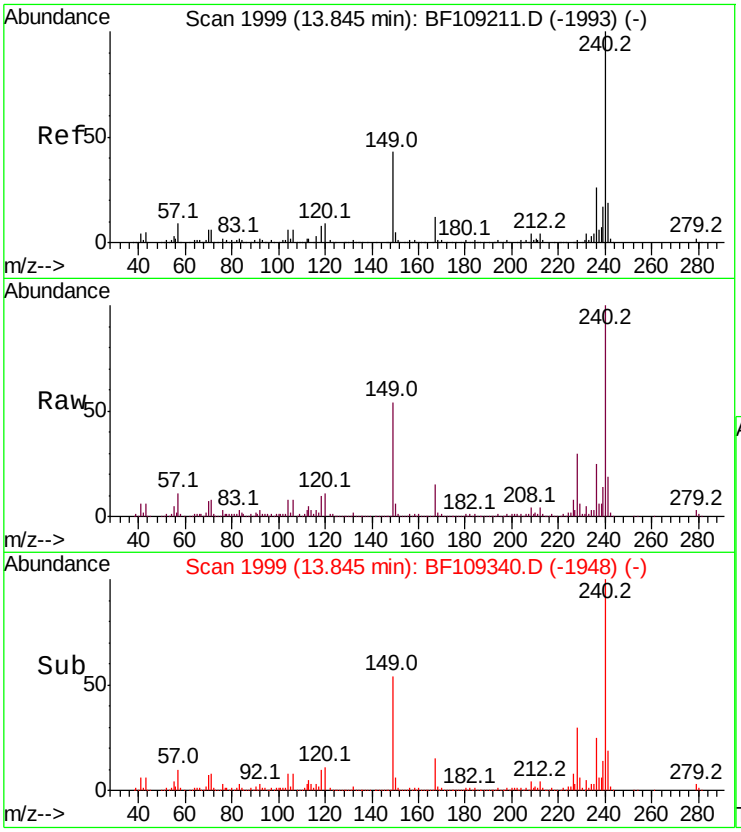


#74
Fluoranthene
Concen: 35.204 ng
RT: 12.42 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:202 Resp: 718141

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	34.1
203	17.1	0.0	38.1

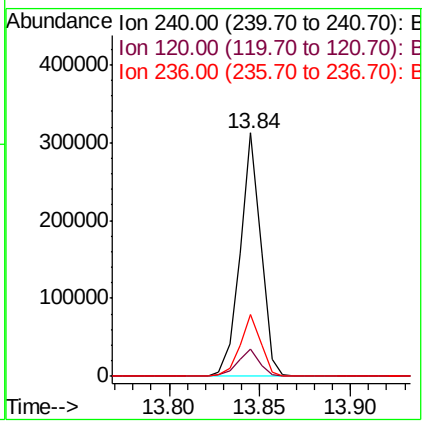




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1999
Delta R.T. 0.00 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:240 Resp: 248196

Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.5	14.3
236	25.3	20.7	31.1



Instrument :
BNA_F
ClientSampleId :
CS-RBR-200027MSD

Manual Integrations APPROVED
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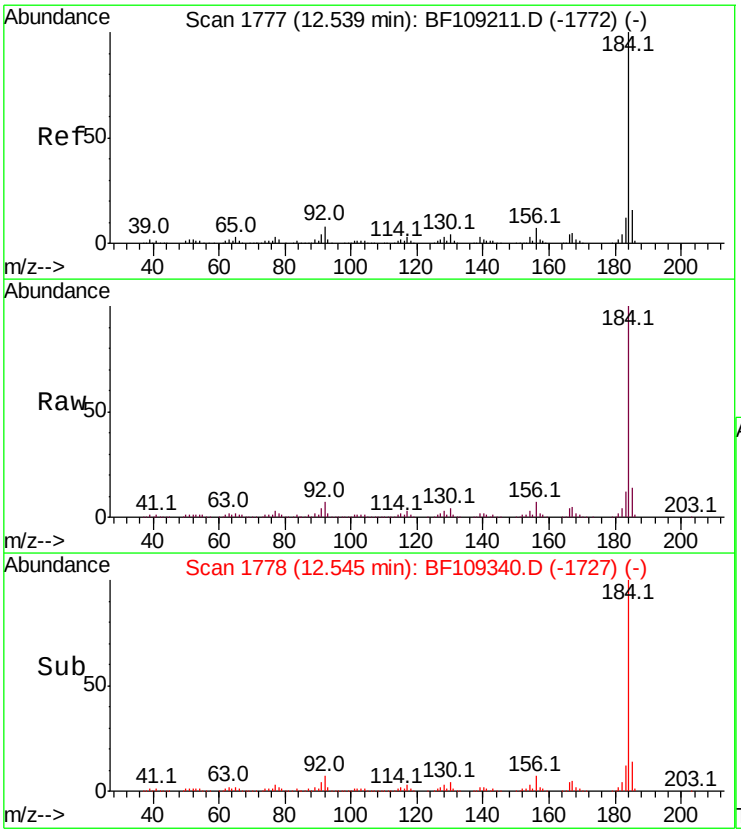
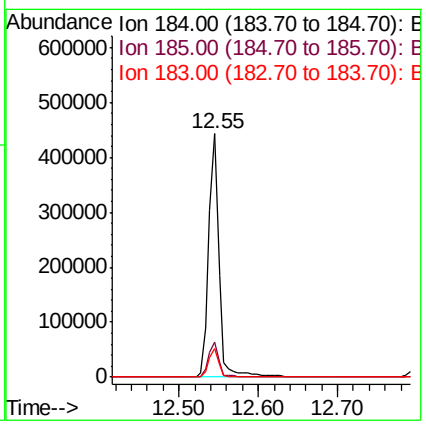
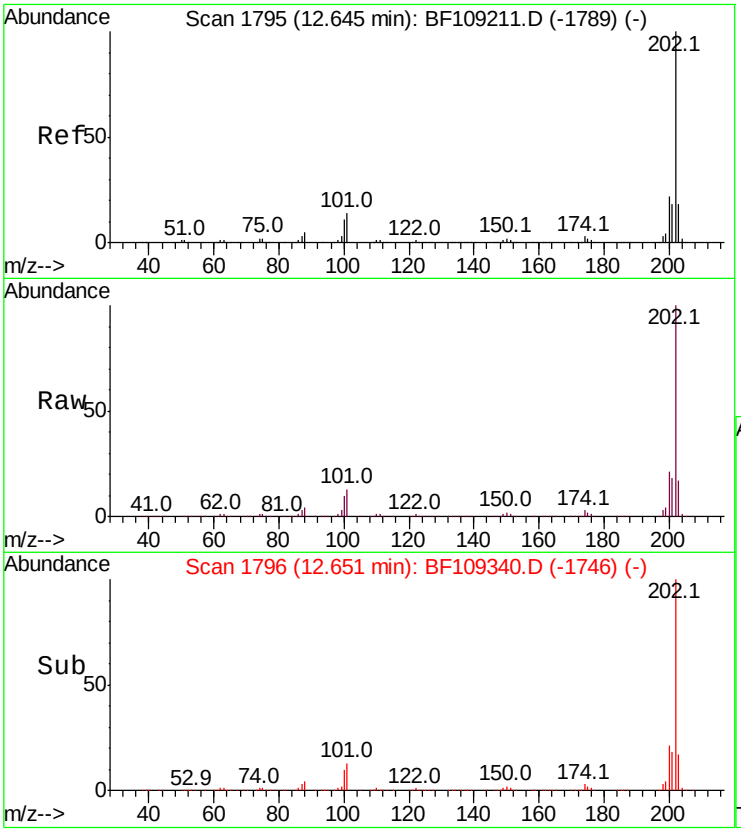


#76
Benzidine
Concen: 45.212 ng
RT: 12.55 min Scan# 1778
Delta R.T. 0.00 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:184 Resp: 404587

Ion	Ratio	Lower	Upper
184	100		
185	14.4	12.6	18.8
183	11.6	9.3	13.9

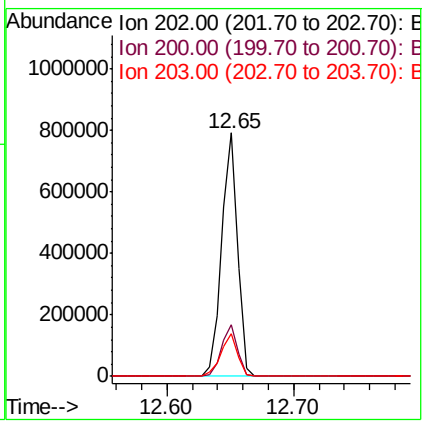




#77
Pyrene
Concen: 38.784 ng
RT: 12.65 min Scan# 1796
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:202 Resp: 689874

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.4	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
CS-RBR-200027MSD

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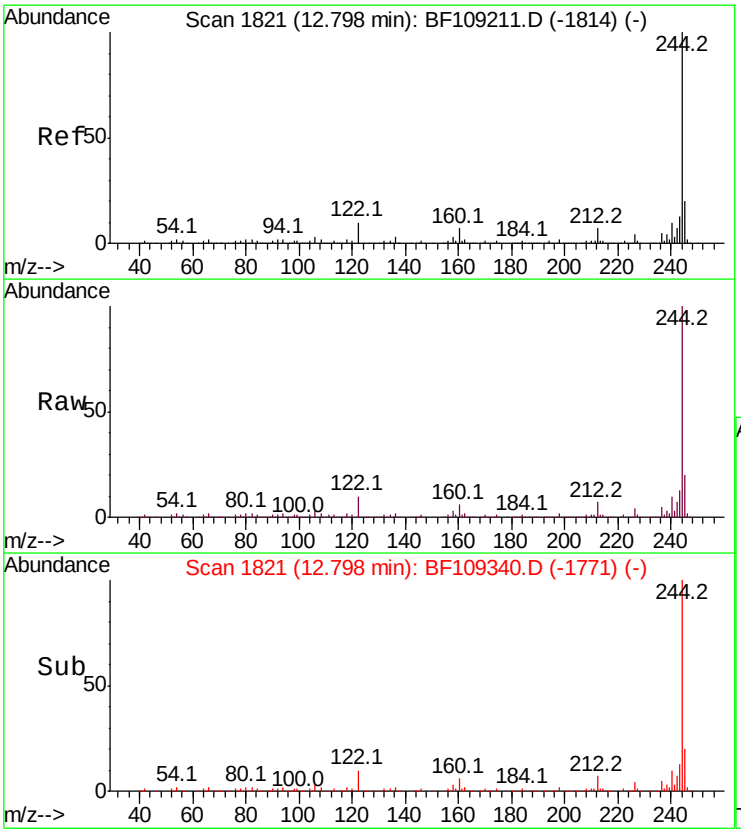
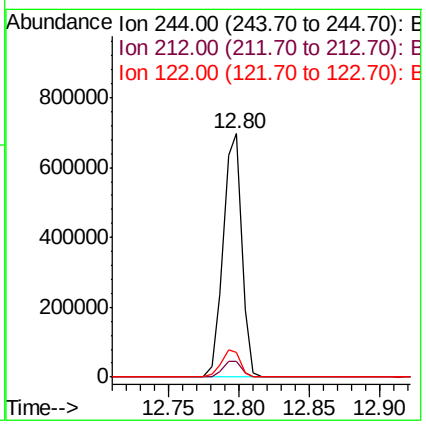
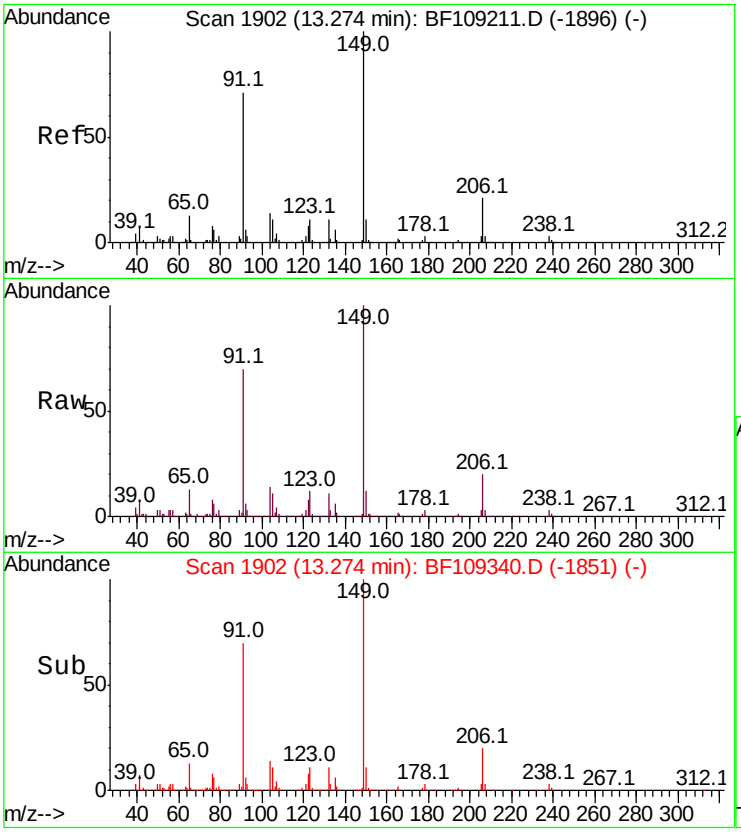


#78
Terphenyl-d14
Concen: 63.150 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:244 Resp: 638649

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.1	11.0	16.4#

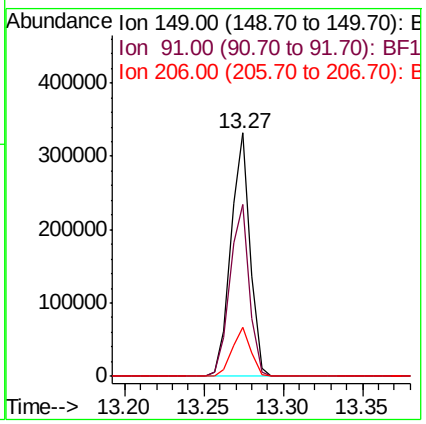




#79
Butylbenzylphthalate
Concen: 36.725 ng
RT: 13.27 min Scan# 1902
Delta R.T. 0.00 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:149 Resp: 277924

Ion	Ratio	Lower	Upper
149	100		
91	70.5	56.8	85.2
206	20.1	14.1	21.1



Instrument :
BNA_F
ClientSampleId :
CS-RBR-200027MSD

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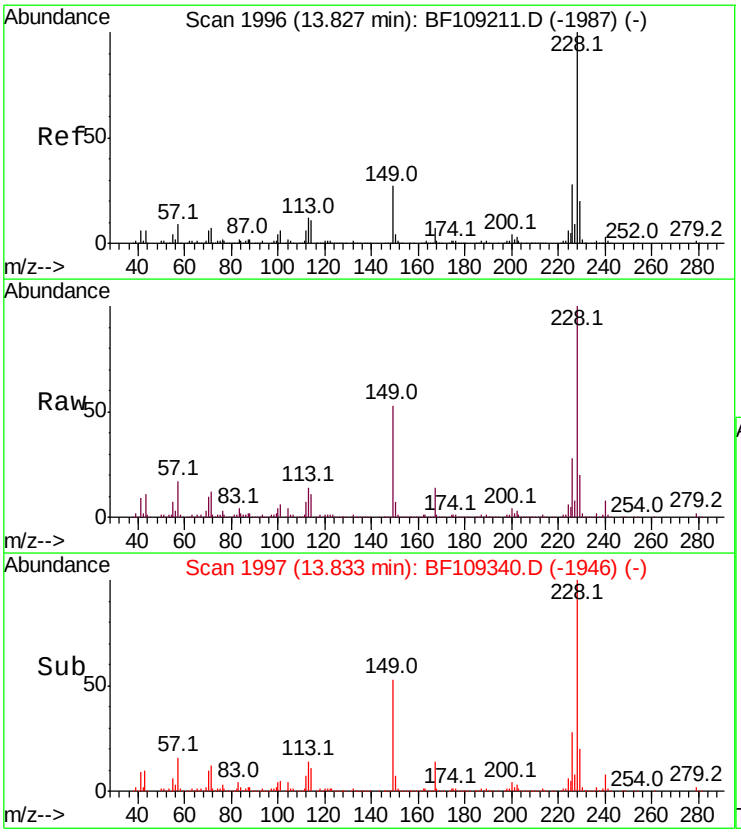
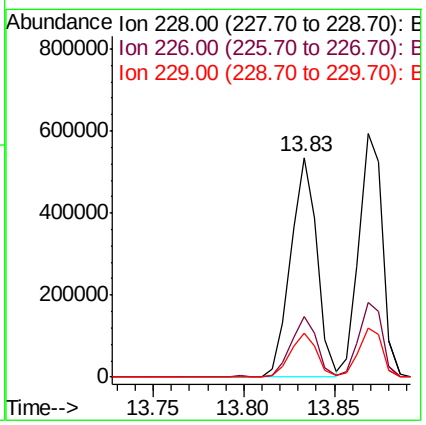
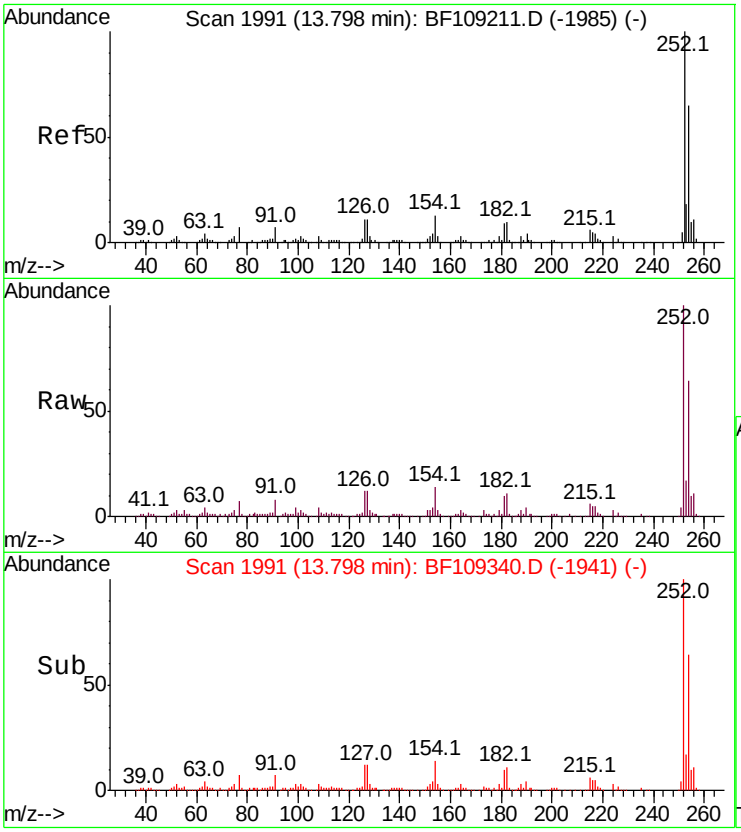


#80
Benzo(a)anthracene
Concen: 36.577 ng
RT: 13.83 min Scan# 1997
Delta R.T. 0.00 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:228 Resp: 546819

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	20.1	15.8	23.6

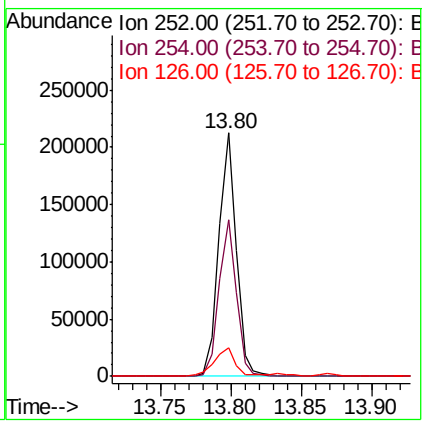




#81
3,3'-Dichlorobenzidine
Concen: 32.380 ng
RT: 13.80 min Scan# 1991
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:252 Resp: 183966

Ion	Ratio	Lower	Upper
252	100		
254	64.4	50.4	75.6
126	12.0	11.3	16.9



Instrument :
BNA_F
ClientSampleId :
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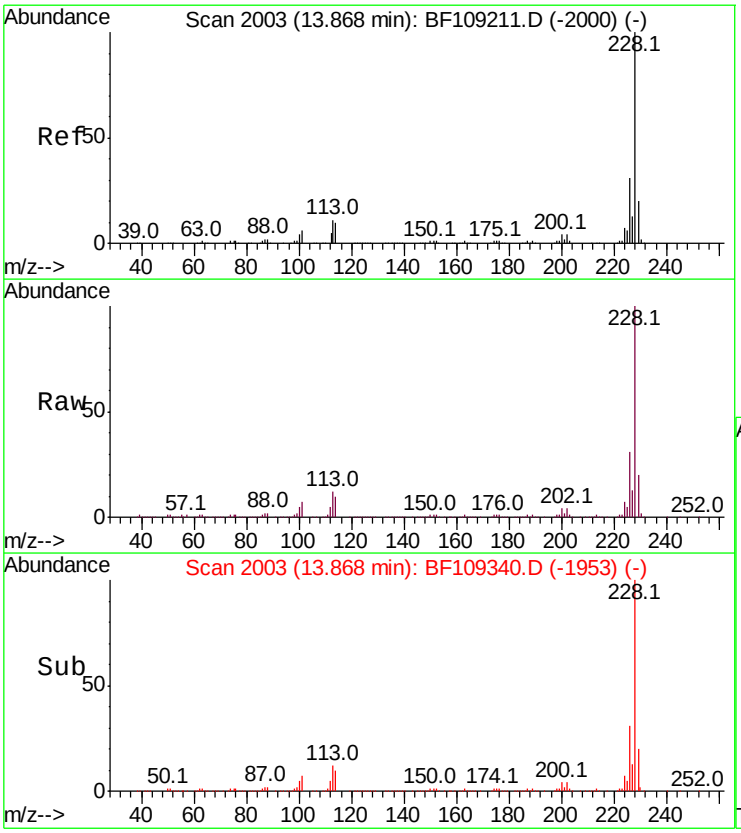
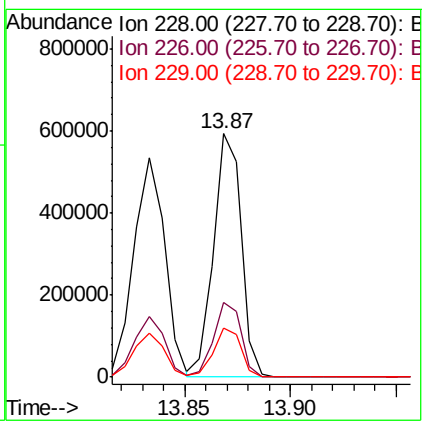
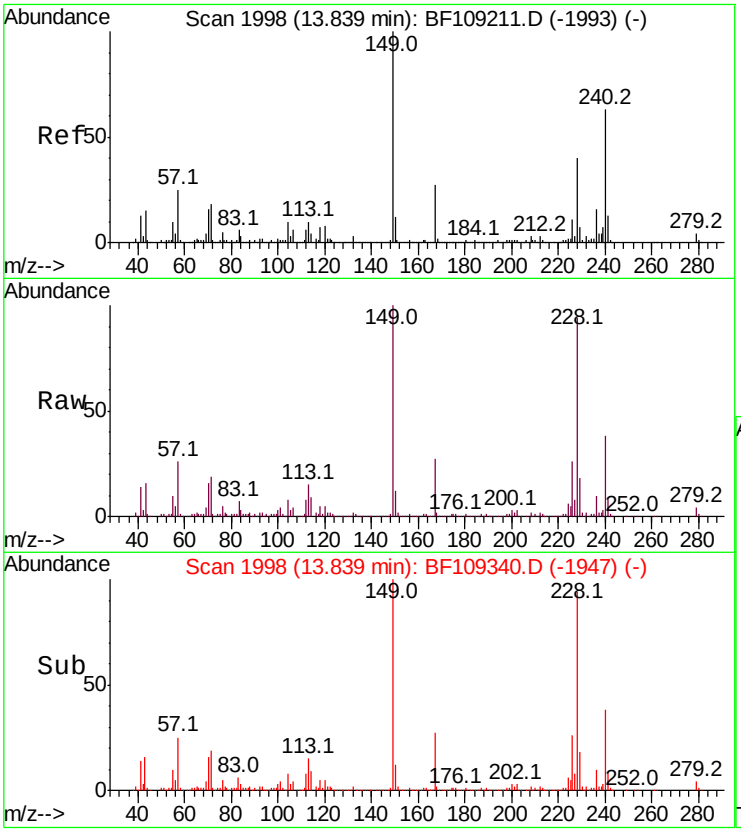


#82
Chrysene
Concen: 36.348 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:228 Resp: 538577

Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	20.2	16.2	24.4

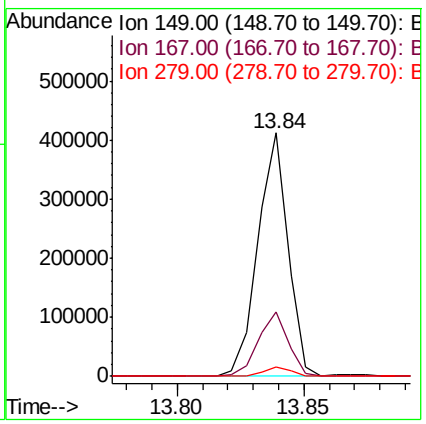




#83
Bis(2-ethylhexyl)phthalate
Concen: 35.754 ng
RT: 13.84 min Scan# 1998
Delta R.T. 0.00 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:149 Resp: 341242

Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.3	31.9
279	4.0	3.0	4.4



Instrument :
BNA_F
ClientSampleId :
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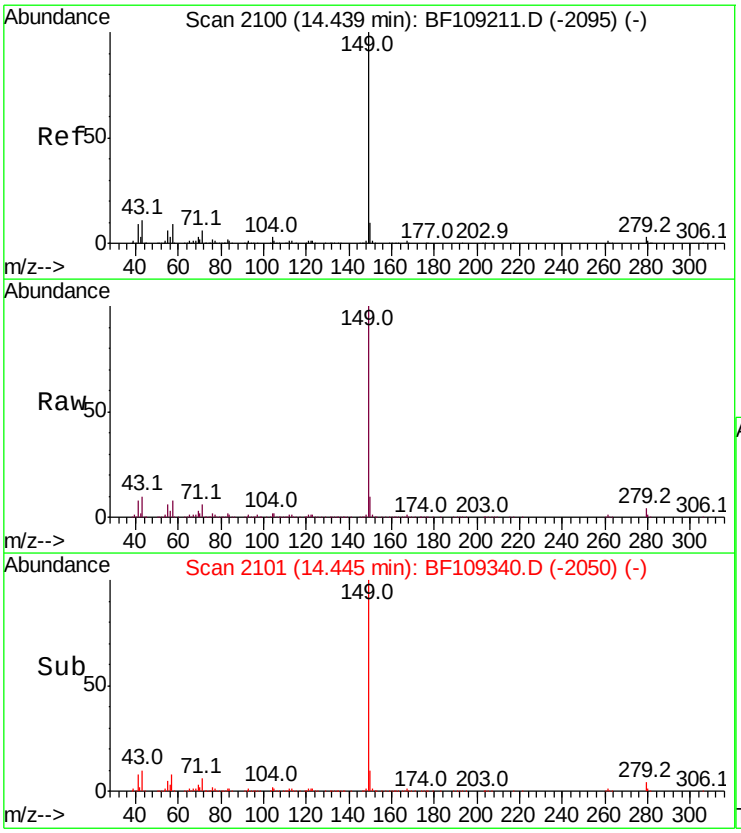
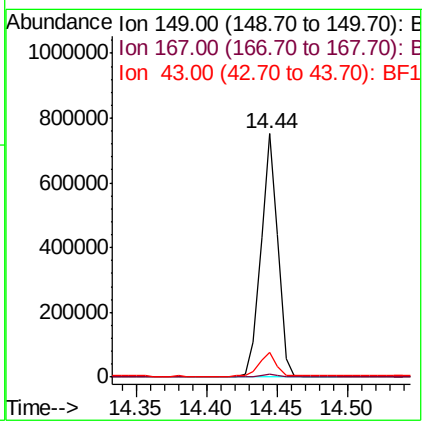
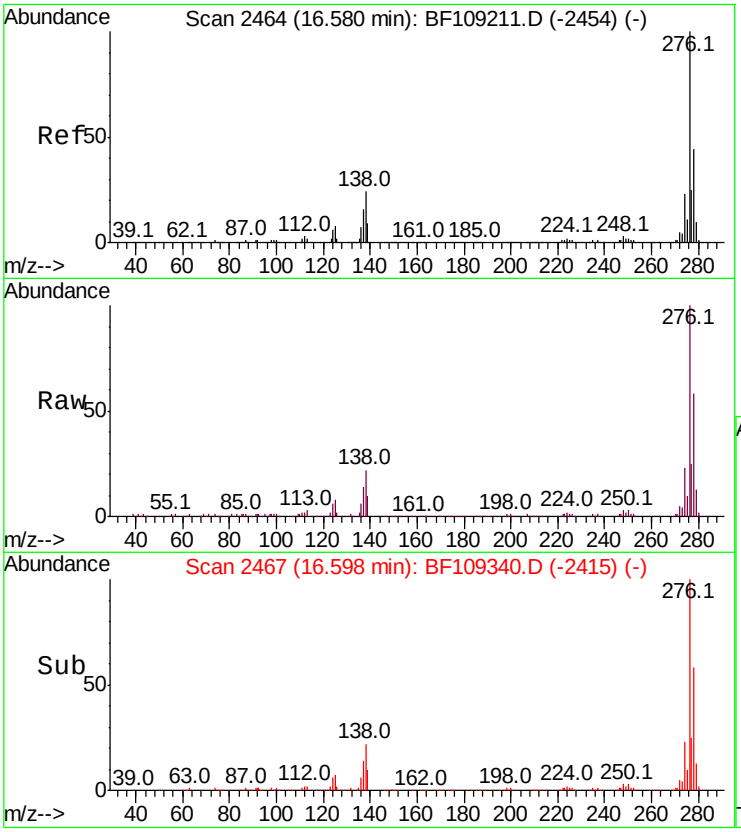


#84
Di-n-octyl phthalate
Concen: 39.077 ng
RT: 14.44 min Scan# 2101
Delta R.T. 0.00 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:149 Resp: 637681

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.8	8.4	12.6





#85
Indeno(1,2,3-cd)pyrene
Concen: 49.241 ng
RT: 16.60 min Scan# 2467
Delta R.T. 0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:276 Resp: 591401

Ion	Ratio	Lower	Upper
276	100		
138	23.7	25.0	37.6#
277	25.2	20.1	30.1

Instrument :
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ClientSampleId :
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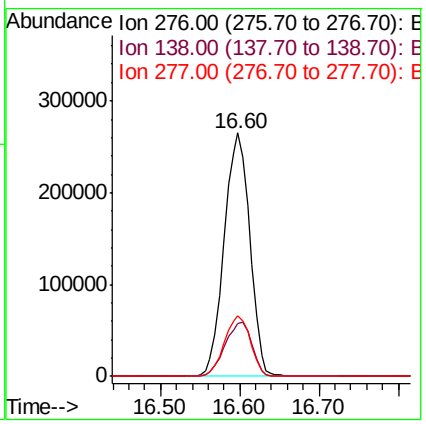
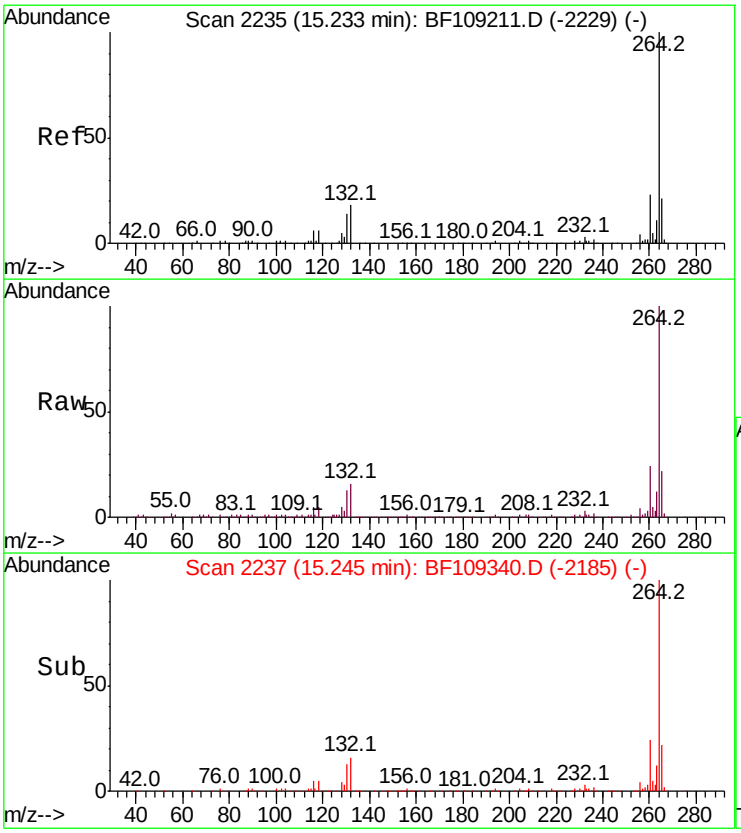
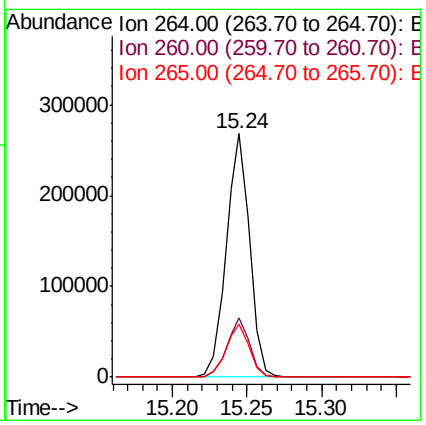


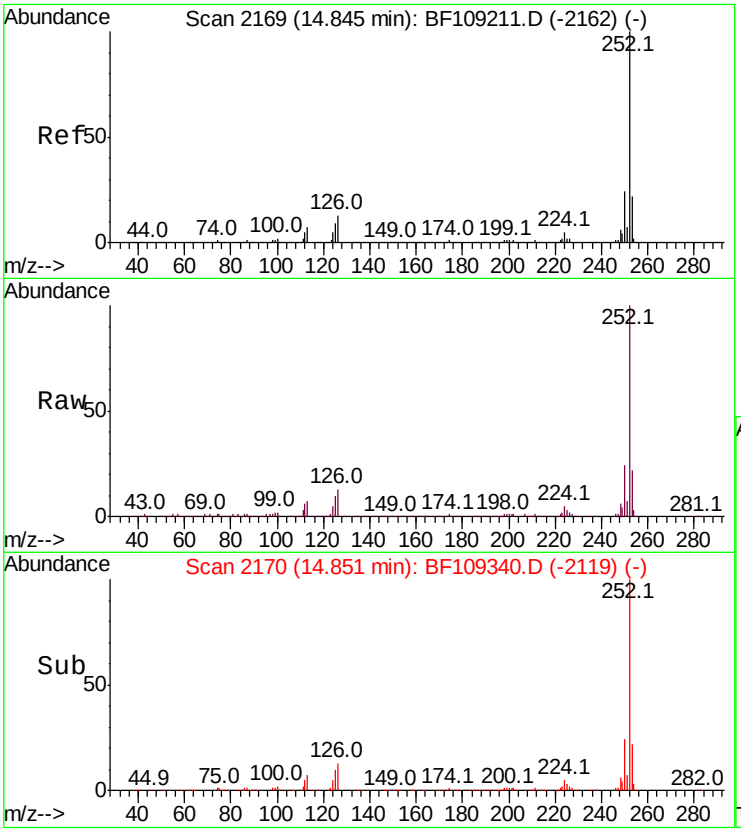


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:264 Resp: 295293

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.9	17.5	26.3

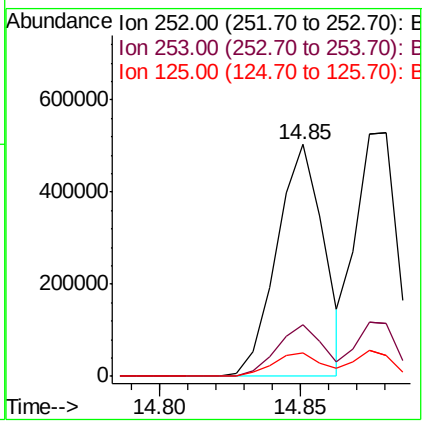




#87
Benzo(b)fluoranthene
Concen: 35.889 ng
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:252 Resp: 582347

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	9.9	9.0	13.6



Instrument :
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ClientSampleId :
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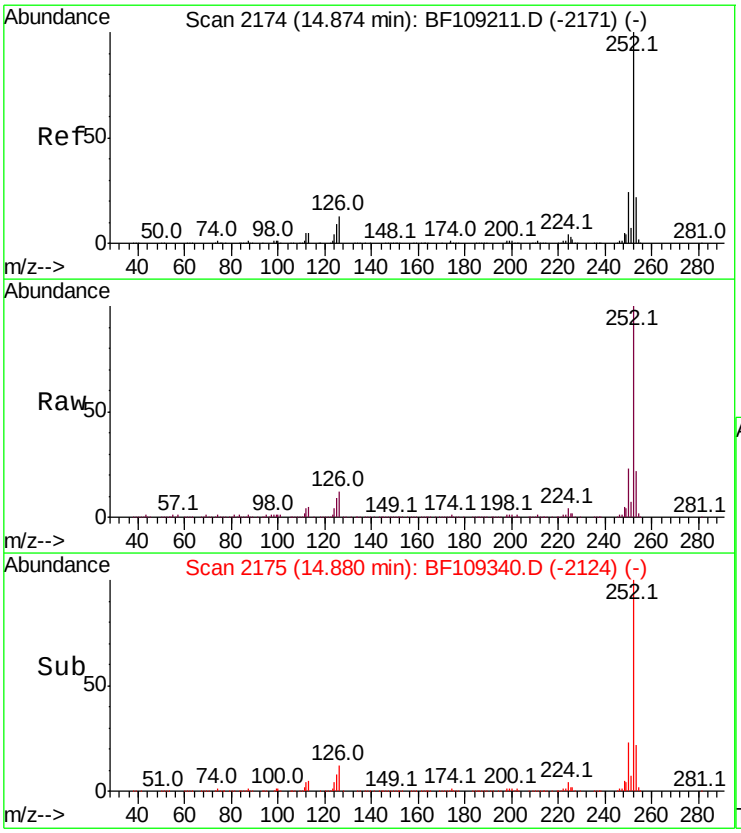
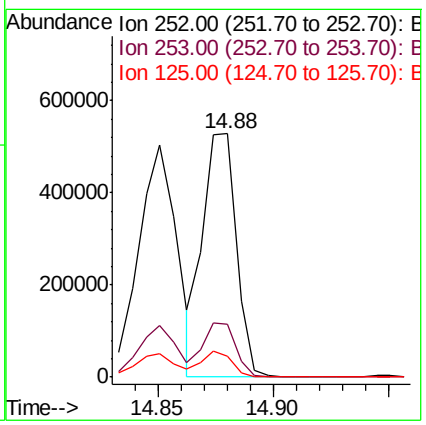
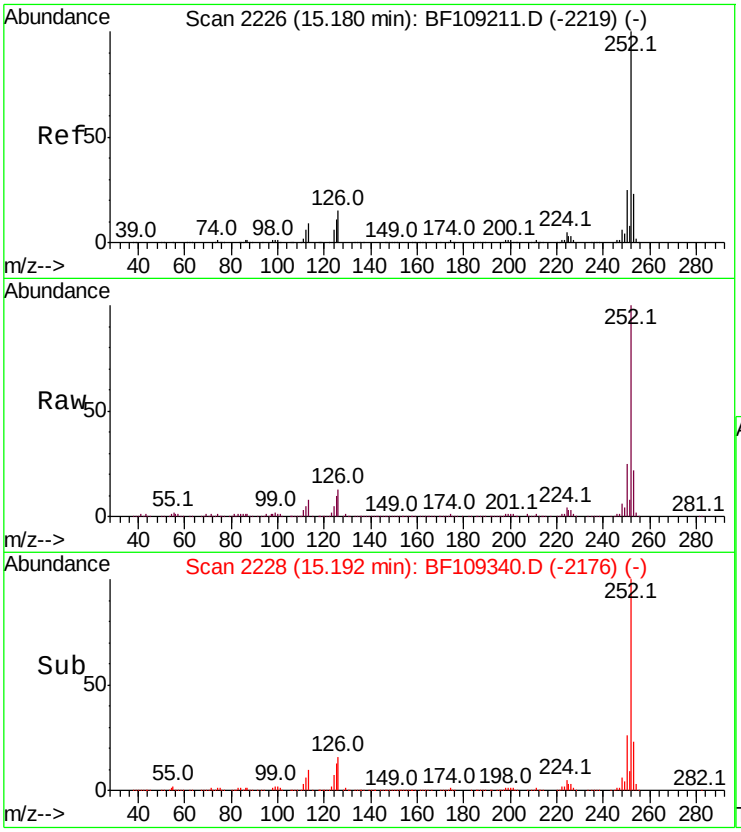


#88
Benzo(k)fluoranthene
Concen: 34.554 ng
RT: 14.88 min Scan# 2175
Delta R.T. 0.00 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:252 Resp: 532038

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	8.6	10.2	15.2#

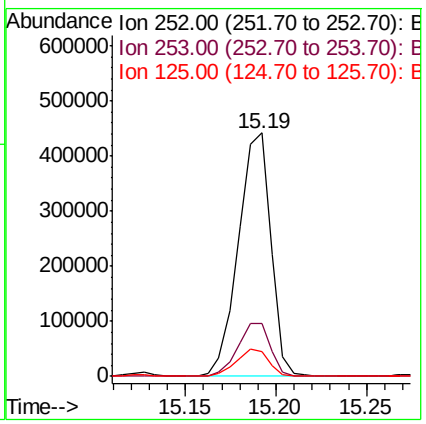




#89
Benzo(a)pyrene
Concen: 37.571 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:252 Resp: 549325

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	10.4	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
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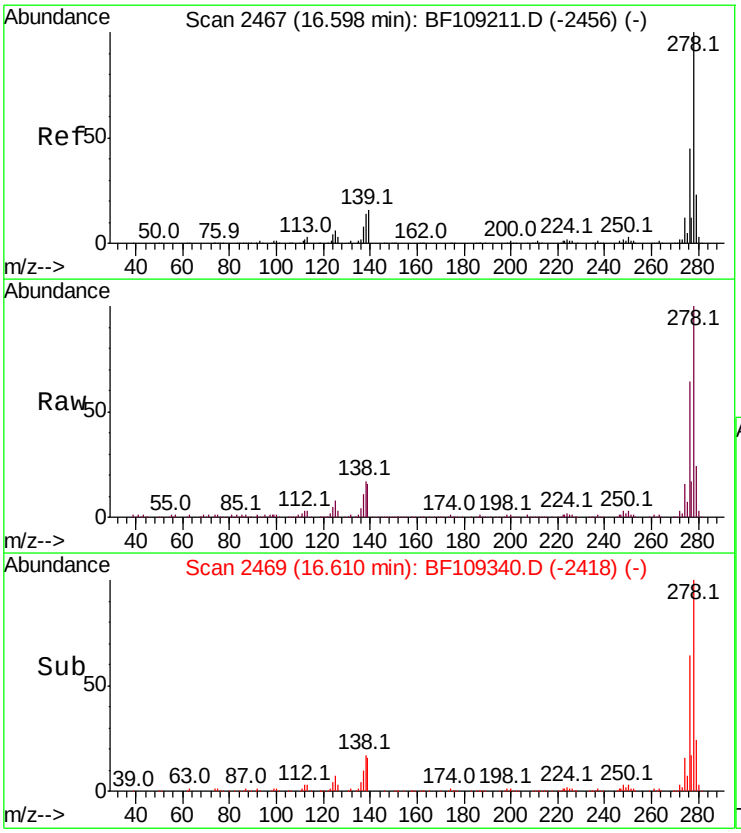
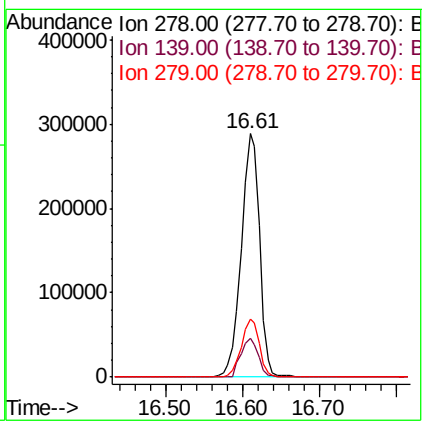
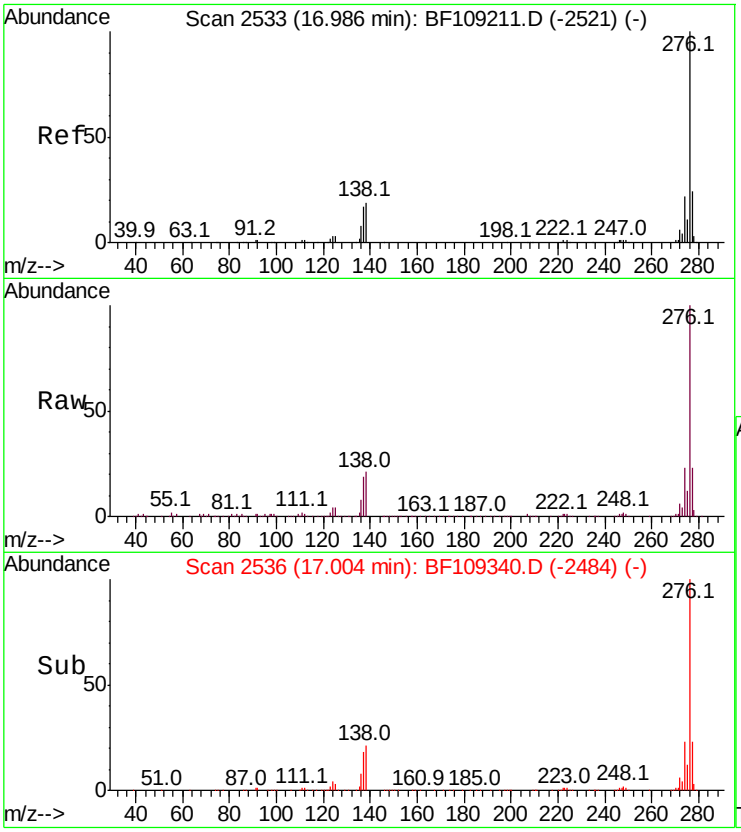


#90
Dibenzo(a,h)anthracene
Concen: 40.285 ng
RT: 16.61 min Scan# 2469
Delta R.T. 0.00 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:278 Resp: 483224

Ion	Ratio	Lower	Upper
278	100		
139	15.7	15.9	23.9#
279	23.8	19.0	28.4

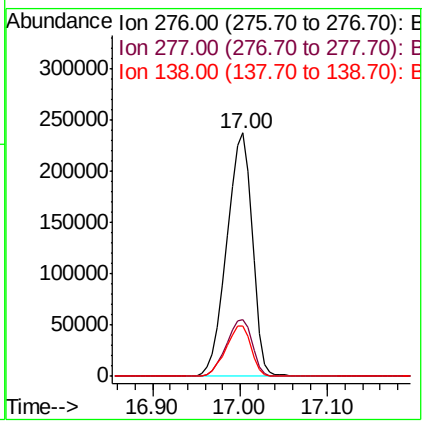




#91
Benzo(g,h,i)perylene
Concen: 40.033 ng
RT: 17.00 min Scan# 2536
Delta R.T. 0.01 min
Lab File: BF109340.D
Acq: 26 Sep 2018 16:53

Tgt Ion:276 Resp: 471947

Ion	Ratio	Lower	Upper
276	100		
277	23.3	17.9	26.9
138	20.9	21.8	32.8#



Instrument :
BNA_F
ClientSampleId :
CS-RBR-200027MSD

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