

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
 Data File : BF104581.D
 Acq On : 18 Apr 2018 00:08
 Operator : JU/SJ
 Sample : J2408-02MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-005MSD

Manual Integrations
 APPROVED

Sohil
 4/18/2018 3:01:16 PM

Quant Time: Apr 18 02:30:24 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 17 17:08:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	131126	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	535731	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	226010	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	377212	20.00	ng	0.00
75) Chrysene-d12	13.98	240	271823	20.00	ng	0.00
86) Perylene-d12	15.44	264	231322	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	947252	110.46	ng	0.01
7) Phenol-d6	6.45	99	1172958	111.32	ng	0.00
23) Nitrobenzene-d5	7.37	82	733494	89.40	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	264610	112.87	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1193281	83.41	ng	0.00
78) Terphenyl-d14	12.92	244	1016659	85.27	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.57	88	134595	33.683	ng	89
3) Pyridine	3.30	79	363190	32.328	ng	88
4) n-Nitrosodimethylamine	3.26	42	150829	38.406	ng	80
6) Aniline	6.47	93	291572	19.918	ng	# 81
8) 2-Chlorophenol	6.59	128	354470	39.162	ng	98
9) Benzaldehyde	6.36	77	220041	41.957	ng	96
10) Phenol	6.46	94	436331	39.029	ng	92
11) bis(2-Chloroethyl)ether	6.55	93	350485	39.285	ng	95
12) 1,3-Dichlorobenzene	6.75	146	375144	36.585	ng	99
13) 1,4-Dichlorobenzene	6.82	146	379416	37.119	ng	99
14) 1,2-Dichlorobenzene	6.97	146	352786	37.244	ng	99
15) Benzyl Alcohol	6.95	79	293970	36.733	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.08	45	427737	35.701	ng	89
17) 2-Methylphenol	7.06	107	292879	37.225	ng	97
18) Hexachloroethane	7.32	117	120214	32.986	ng	98
19) n-Nitroso-di-n-propylamine	7.22	70	224833	32.654	ng	94
20) 3+4-Methylphenols	7.22	107	341239	34.970	ng	# 62
22) Acetophenone	7.22	105	456275	34.594	ng	96
24) Nitrobenzene	7.39	77	364618	40.253	ng	98
25) Isophorone	7.63	82	641987	37.004	ng	98
26) 2-Nitrophenol	7.70	139	185964	50.429	ng	97
27) 2,4-Dimethylphenol	7.75	122	291980	38.133	ng	99
28) bis(2-Chloroethoxy)methane	7.84	93	420606	39.651	ng	99
29) 2,4-Dichlorophenol	7.95	162	284612	38.957	ng	98
30) 1,2,4-Trichlorobenzene	8.03	180	289107	36.058	ng	99
31) Naphthalene	8.11	128	980675	36.762	ng	99
32) Benzoic acid	7.83	122	60839m	9.958	ng	
33) 4-Chloroaniline	8.16	127	156335	13.679	ng	96
34) Hexachlorobutadiene	8.22	225	155329	35.369	ng	99
35) Caprolactam	8.53	113	90474	35.499	ng	# 82
36) 4-Chloro-3-methylphenol	8.65	107	296163	37.806	ng	99
37) 2-Methylnaphthalene	8.80	142	629921	36.505	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.97	216	263761	40.769	ng	98
40) Hexachlorocyclopentadiene	8.95	237	56261	15.533	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.08	196	184729	41.132	nq	100
43) 2,4,5-Trichlorophenol	9.13	196	196804	39.159	nq	94
45) 1,1'-Biphenyl	9.27	154	723823	38.123	nq	99
46) 2-Chloronaphthalene	9.29	162	573668	38.253	nq	100
47) 2-Nitroaniline	9.39	65	175587	47.344	nq	93
48) Acenaphthylene	9.71	152	857402	36.439	nq	99
49) Dimethylphthalate	9.57	163	774560	43.459	nq	100
50) 2,6-Dinitrotoluene	9.63	165	147543	44.739	nq	95
51) Acenaphthene	9.88	154	495648	34.525	nq	99
52) 3-Nitroaniline	9.80	138	95672	24.780	nq	100
53) 2,4-Dinitrophenol	9.91	184	49581	46.322	nq #	20
54) Dibenzofuran	10.05	168	748077	37.391	nq	98
55) 4-Nitrophenol	9.97	139	244491	80.615	nq	90
56) 2,4-Dinitrotoluene	10.04	165	188571	43.591	nq	93
57) Fluorene	10.40	166	562547	38.630	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.17	232	147471	39.331	nq	94
59) Diethylphthalate	10.27	149	629663	35.474	nq	97
60) 4-Chlorophenyl-phenylether	10.39	204	258050	39.790	nq	98
61) 4-Nitroaniline	10.42	138	135669	35.939	nq	96
62) Azobenzene	10.55	77	588736	34.717	nq	97
64) 4,6-Dinitro-2-methylphenol	10.45	198	49444	30.142	nq	79
65) n-Nitrosodiphenylamine	10.50	169	516223	39.470	nq	100
66) 4-Bromophenyl-phenylether	10.87	248	158503	39.504	nq	96
67) Hexachlorobenzene	10.94	284	172015	38.101	nq #	86
68) Atrazine	11.03	200	160772	40.724	nq	99
69) Pentachlorophenol	11.14	266	167487	59.966	nq	98
70) Phenanthrene	11.36	178	775694	36.926	nq	99
71) Anthracene	11.41	178	795034	37.232	nq	99
72) Carbazole	11.57	167	740743	35.500	nq	99
73) Di-n-butylphthalate	11.89	149	945158	37.081	nq	99
74) Fluoranthene	12.55	202	762364	34.735	nq	97
76) Benzdine	12.67	184	467631	56.784	nq	98
77) Pyrene	12.78	202	759339	37.687	nq	99
79) Butylbenzylphthalate	13.40	149	371098	39.095	nq	94
80) Benzo(a)anthracene	13.97	228	642787	39.583	nq	100
81) 3,3'-Dichlorobenzidine	13.93	252	228581	37.752	nq	98
82) Chrysene	14.01	228	620809	37.219	nq	98
83) Bis(2-ethylhexyl)phthalate	13.95	149	510529	41.814	nq	98
84) Di-n-octyl phthalate	14.57	149	831950	40.780	nq	96
85) Indeno(1,2,3-cd)pyrene	16.90	276	506992	35.781	nq	98
87) Benzo(b)fluoranthene	15.02	252	570765	39.067	nq	98
88) Benzo(k)fluoranthene	15.05	252	545157	39.524	nq	98
89) Benzo(a)pyrene	15.38	252	518740	39.683	nq	98
90) Dibenzo(a,h)anthracene	16.92	278	427551	39.823	nq	97
91) Benzo(g,h,i)perylene	17.33	276	402792	38.724	nq	97

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

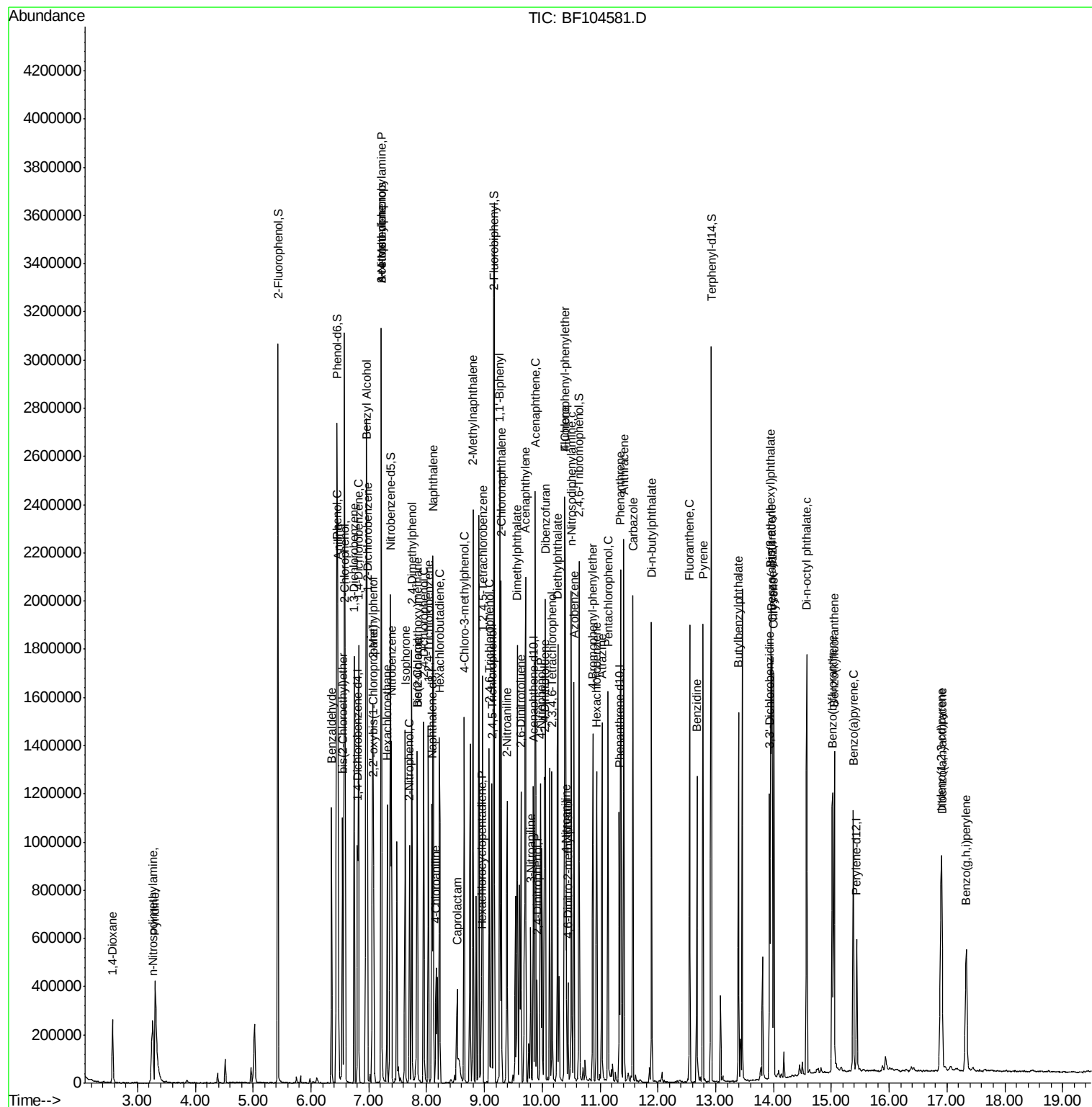
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#1

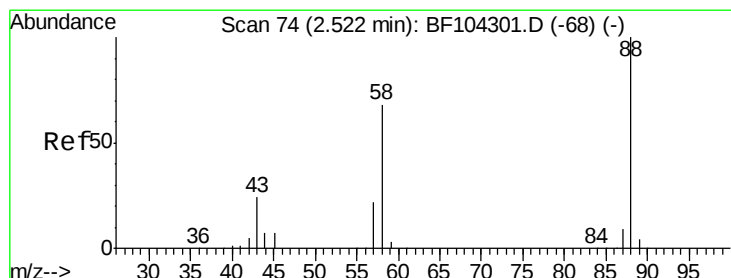
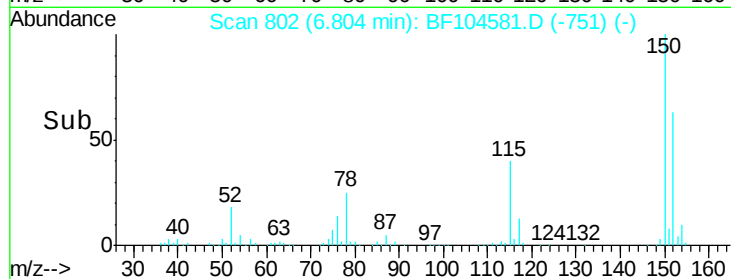
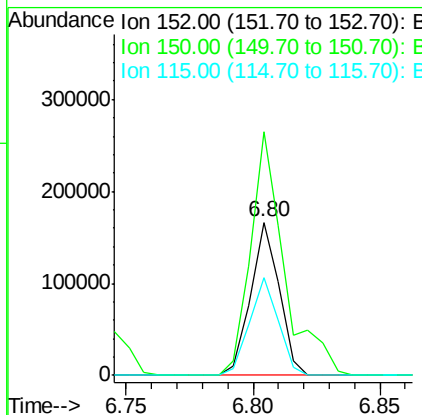
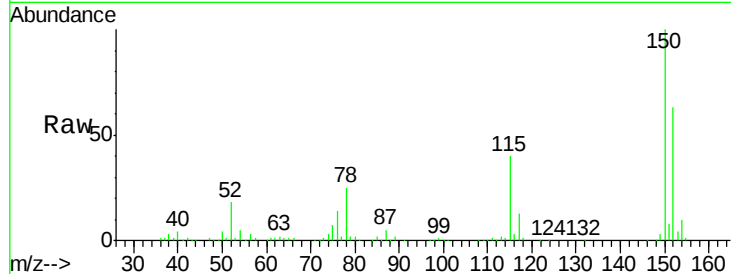
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.6	186.8
115	64.1	50.1	75.1

Manual Integrations
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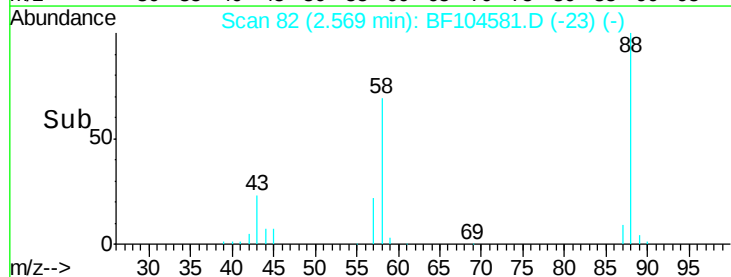
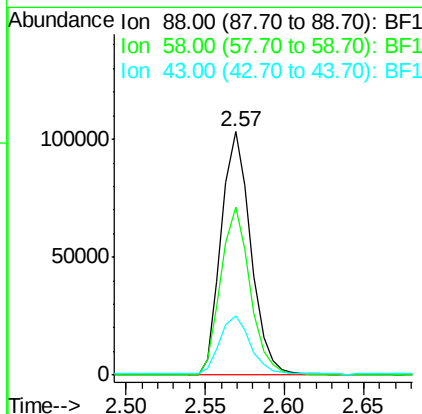
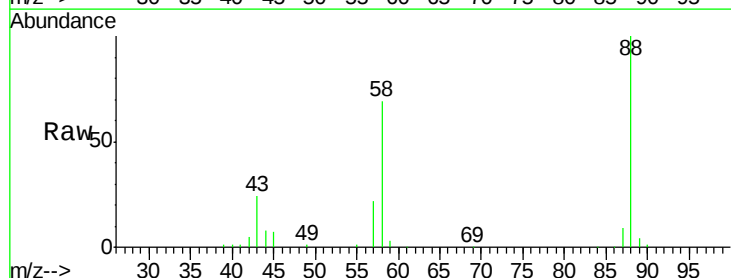
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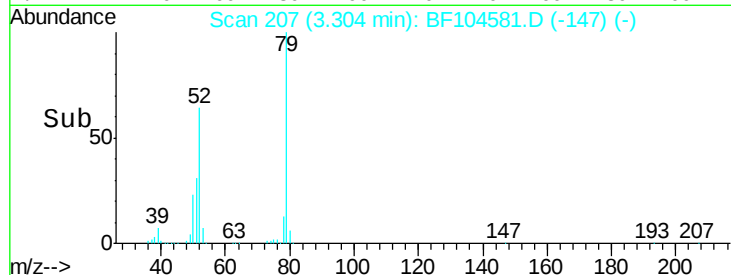
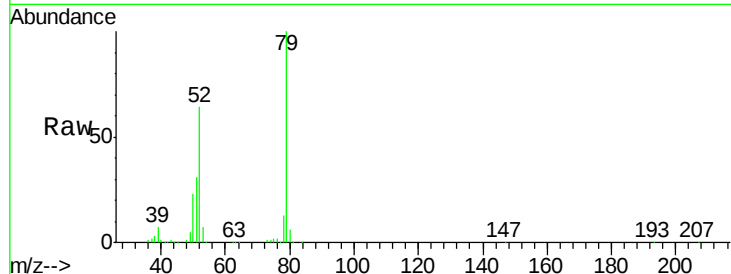
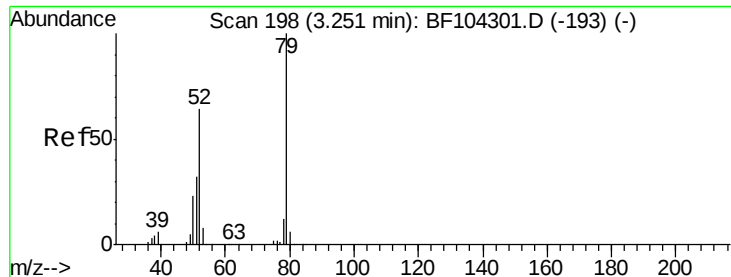


#2

1,4-Dioxane
Concen: 33.683 ng
RT: 2.57 min Scan# 82
Delta R.T. 0.05 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.4	62.6	93.8
43	25.4	24.6	37.0





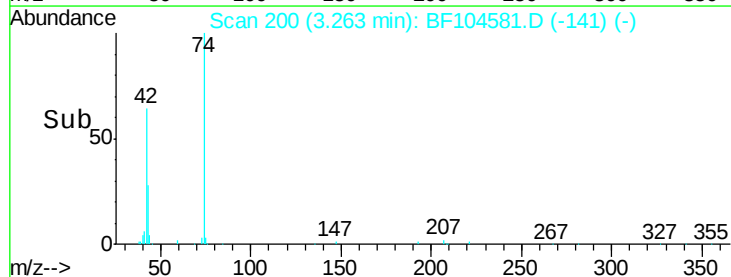
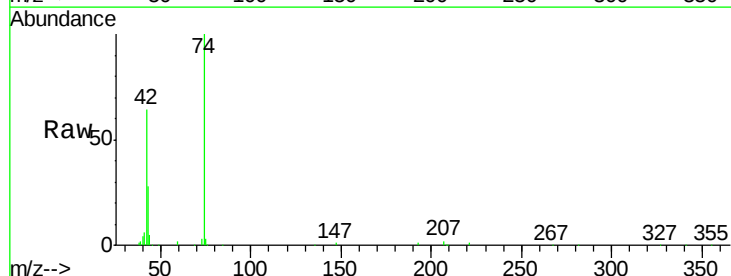
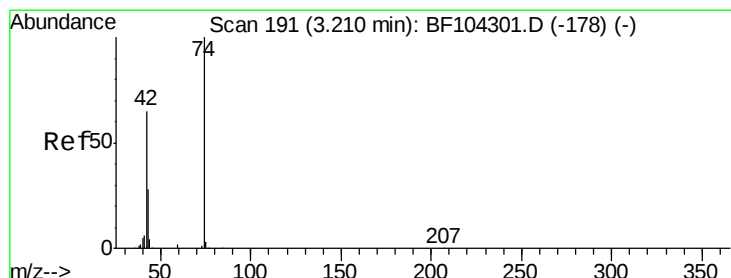
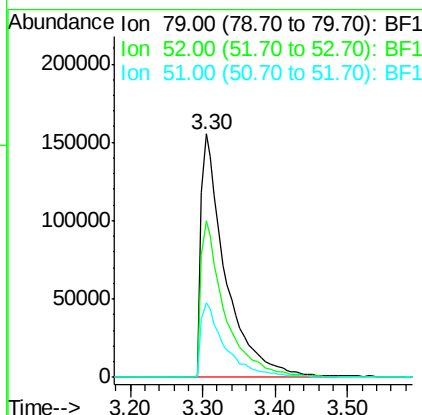
#3
 Pvridine
 Concen: 32.328 ng
 RT: 3.30 min Scan# 207
 Delta R.T. 0.05 min
 Lab File: BF104581.D
 Acq: 18 Apr 2018 00:08

Tot Ion:	79	Resp:	363190
Ion Ratio	Lower	Upper	
79	100		
52	64.1	59.8	89.6
51	30.6	29.8	44.8

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-005MSD

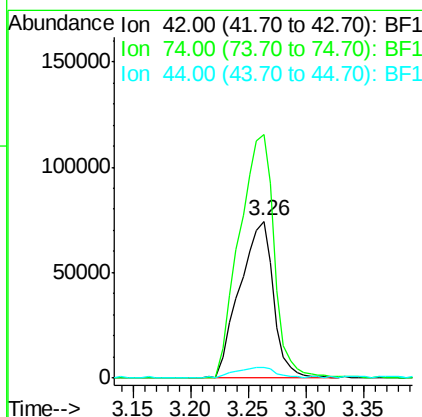
Manual Integrations
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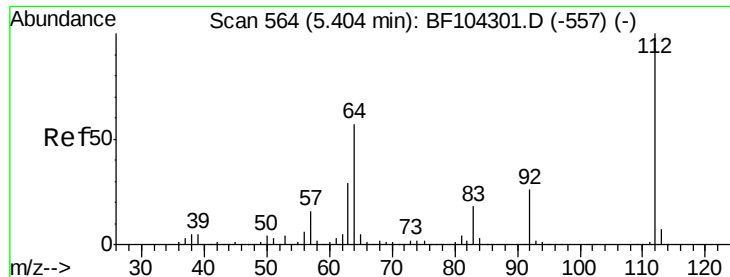
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#4
 n-Nitrosodimethylamine
 Concen: 38.406 ng
 RT: 3.26 min Scan# 200
 Delta R.T. 0.05 min
 Lab File: BF104581.D
 Acq: 18 Apr 2018 00:08

Tgt Ion:	42	Resp:	150829
Ion Ratio	Lower	Upper	
42	100		
74	155.5	104.9	157.3
44	7.1	6.9	10.3





#5

2-Fluorophenol

Concen: 110.459 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.01 min

Lab File: BF104581.D

Acq: 18 Apr 2018 00:08

Instrument :

BNA_F

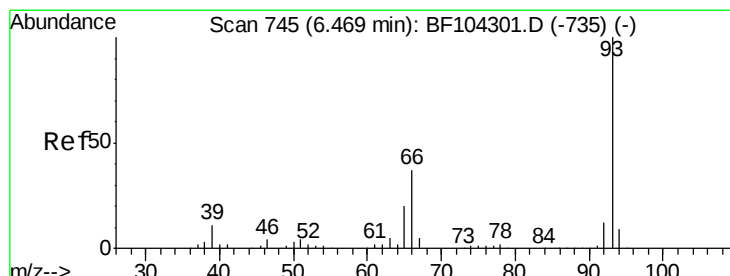
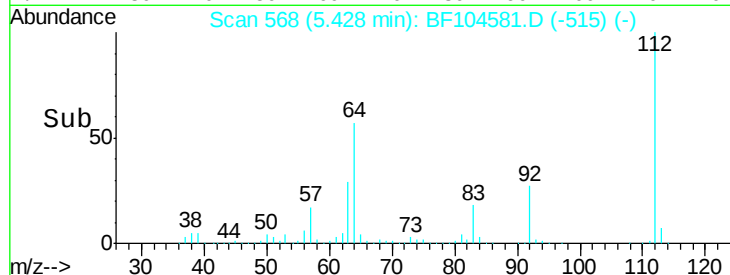
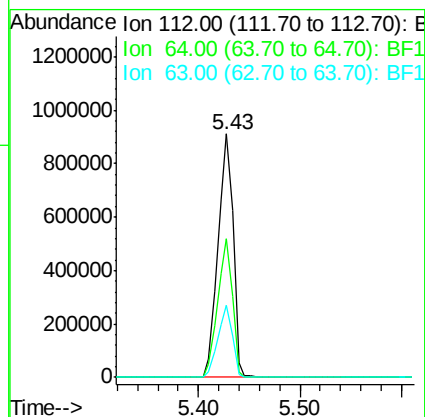
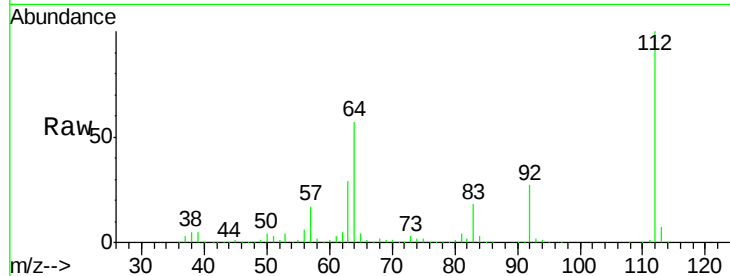
ClientSampleId :

NAA-WS-005MSD

Tot Ion:	112	Resp:	947252
Ion Ratio	Lower	Upper	
112	100		
64	56.8	47.9	71.9
63	29.4	23.7	35.5

Manual Integrations
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#6

Aniline

Concen: 19.918 ng

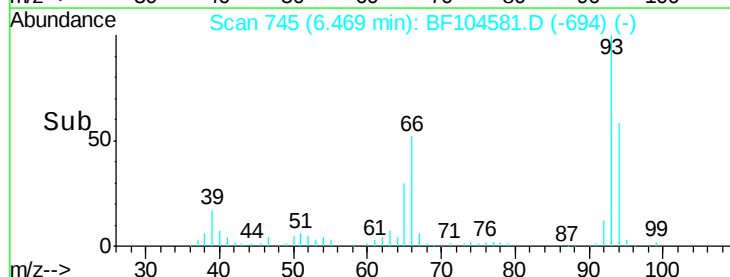
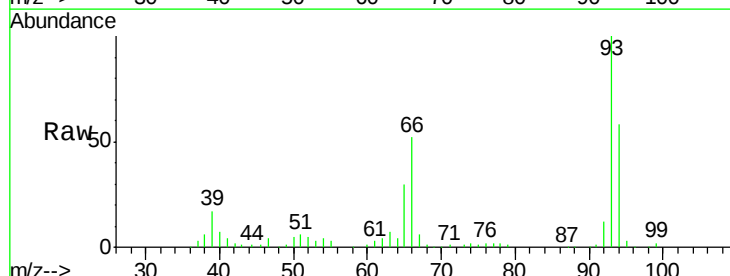
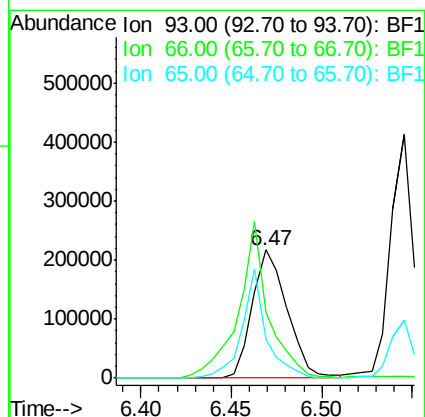
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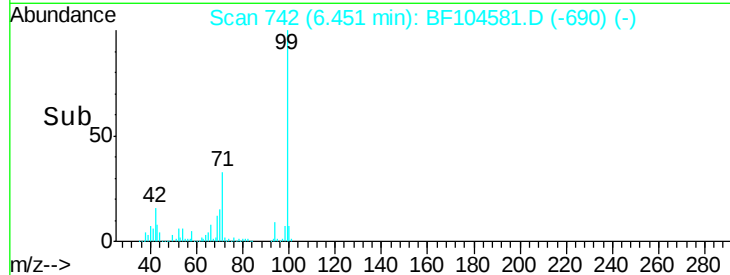
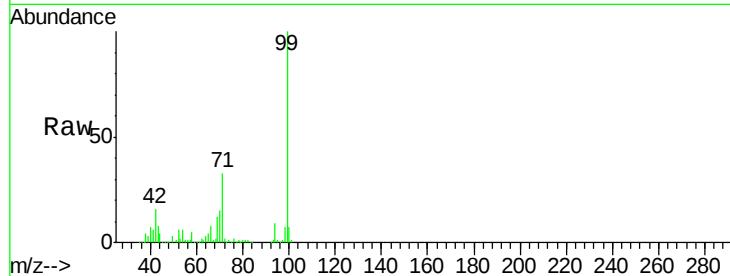
Delta R.T. -0.00 min

Lab File: BF104581.D

Acq: 18 Apr 2018 00:08

Tgt Ion:	93	Resp:	291572
Ion Ratio	Lower	Upper	
93	100		
66	51.7	32.2	48.2#
65	30.0	16.4	24.6#





#7

Phenol-d6

Concen: 111.322 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104581.D

Acq: 18 Apr 2018 00:08

Tot Ion: 99 Resp: 1172958

Ion Ratio Lower Upper

99 100

42 15.9 14.5 21.7

71 32.9 25.4 38.0

Instrument :

BNA_F

ClientSampleId :

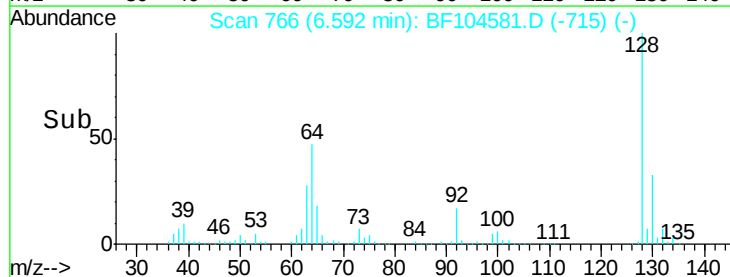
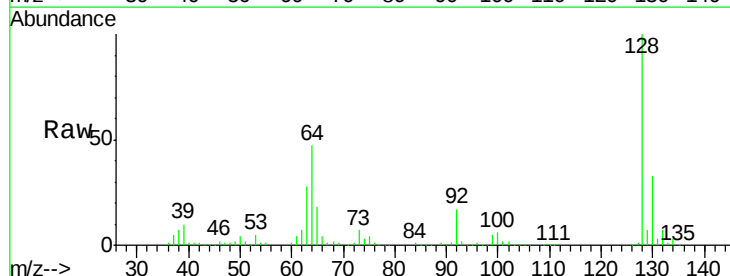
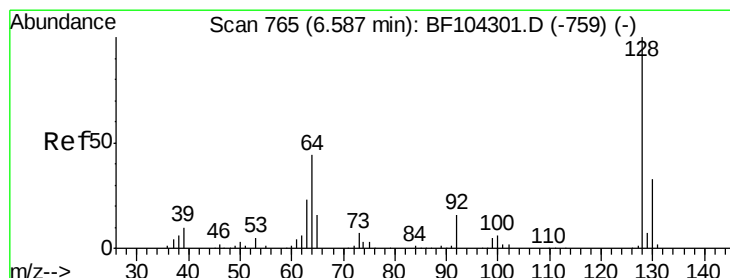
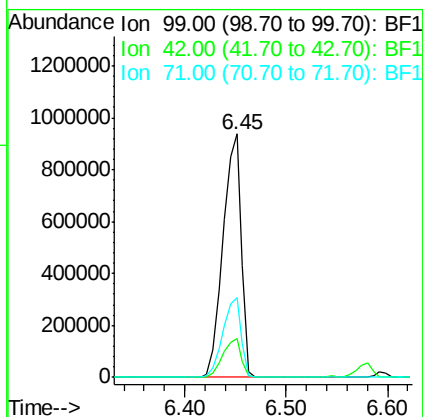
NAA-WS-005MSD

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#8

2-Chlorophenol

Concen: 39.162 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.00 min

Lab File: BF104581.D

Acq: 18 Apr 2018 00:08

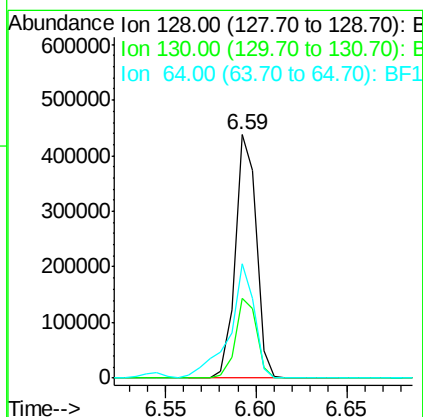
Tgt Ion:128 Resp: 354470

Ion Ratio Lower Upper

128 100

130 32.5 13.0 53.0

64 47.1 29.4 69.4





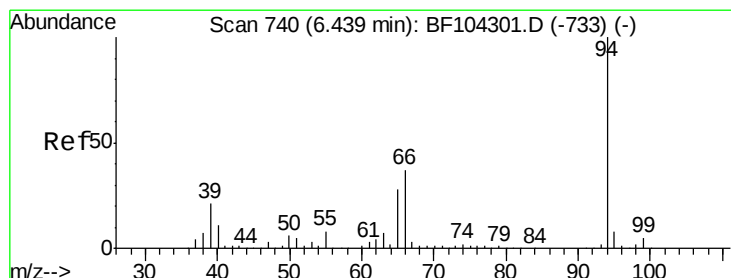
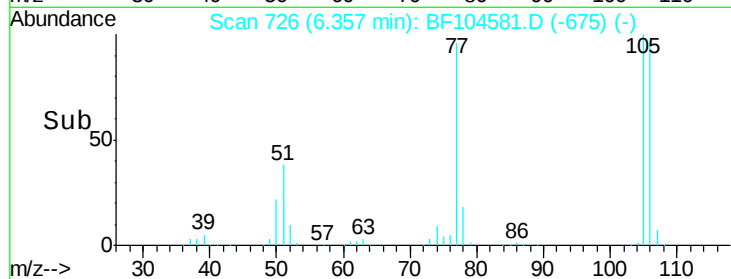
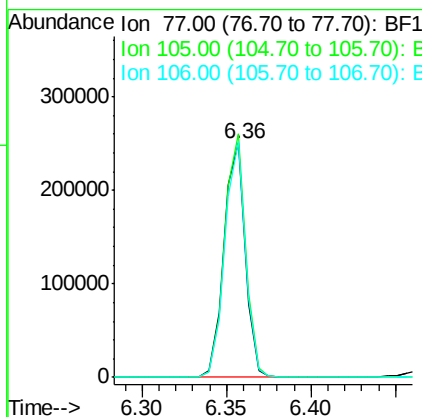
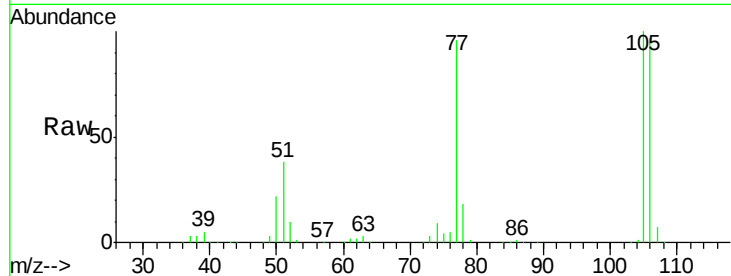
#9
Benzaldehyde
Concen: 41.957 ng
RT: 6.36 min Scan# 726
Delta R.T. -0.00 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Instrument :
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NAA-WS-005MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	103.9	81.1	121.1
106	100.4	74.5	114.5

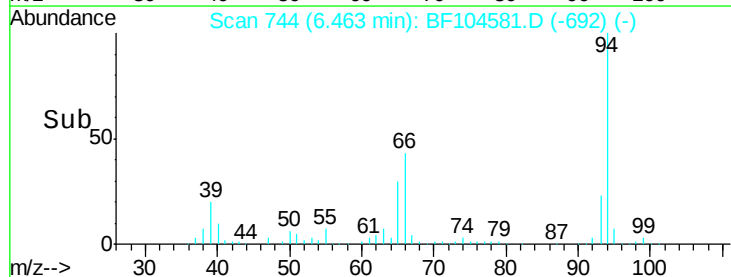
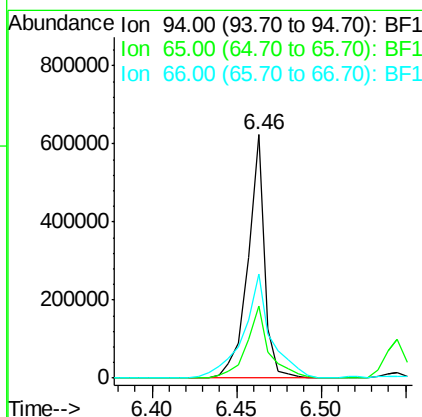
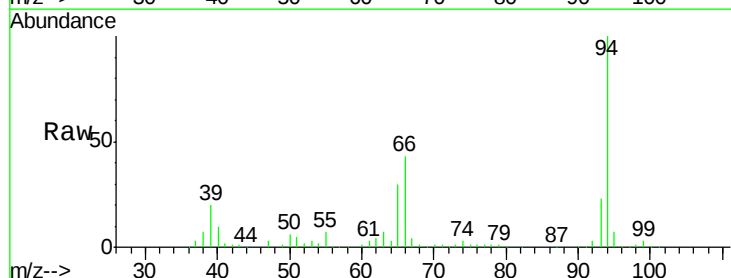
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#10
Phenol
Concen: 39.029 ng
RT: 6.46 min Scan# 744
Delta R.T. 0.01 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
94	100		
65	29.6	7.9	47.9
66	42.6	16.2	56.2





#11

bis(2-Chloroethyl)ether

Concen: 39.285 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.00 min

Lab File: BF104581.D

Acq: 18 Apr 2018 00:08

Instrument :

BNA_F

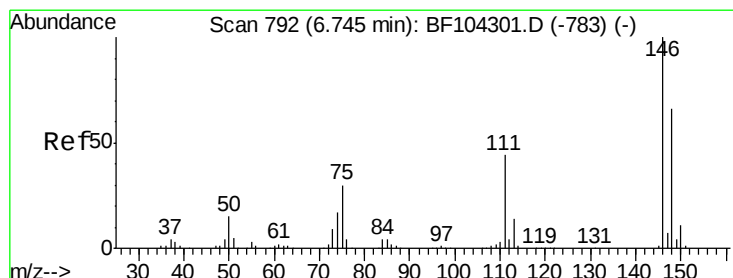
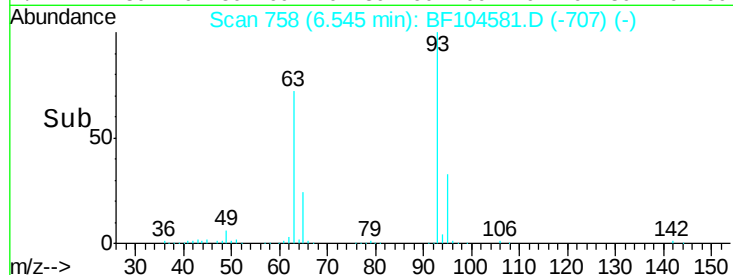
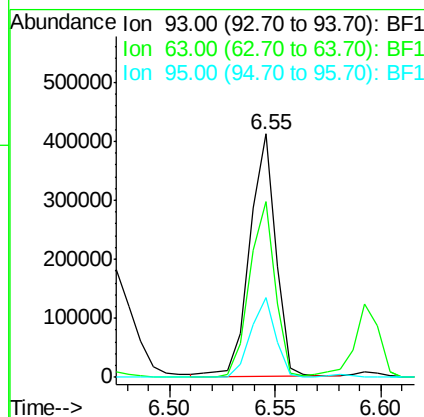
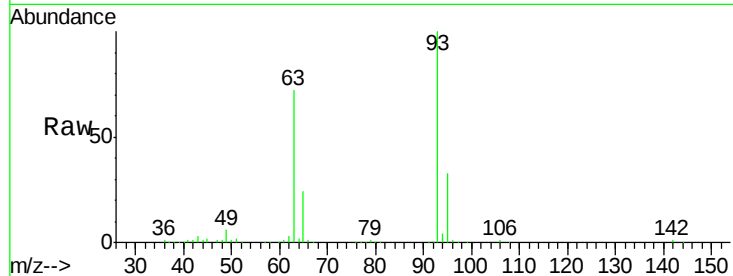
ClientSampleId :

NAA-WS-005MSD

Tot Ion:	93	Resp:	350485
Ion Ratio	Lower	Upper	
93	100		
63	72.4	58.6	98.6
95	32.6	11.8	51.8

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#12

1,3-Dichlorobenzene

Concen: 36.585 ng

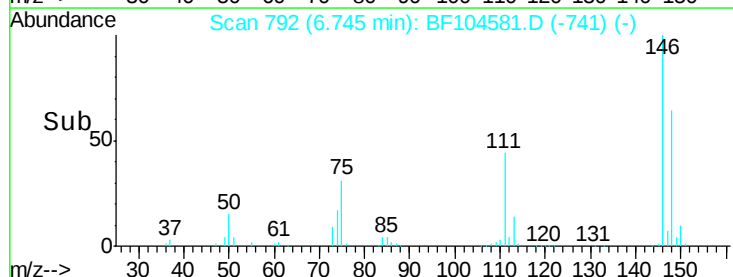
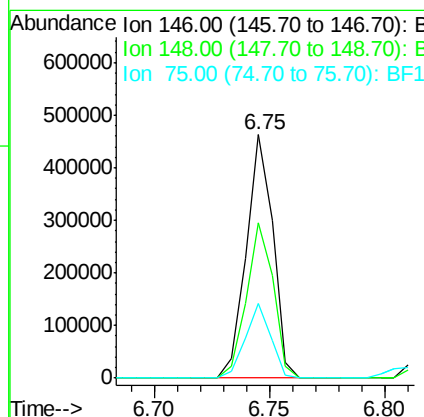
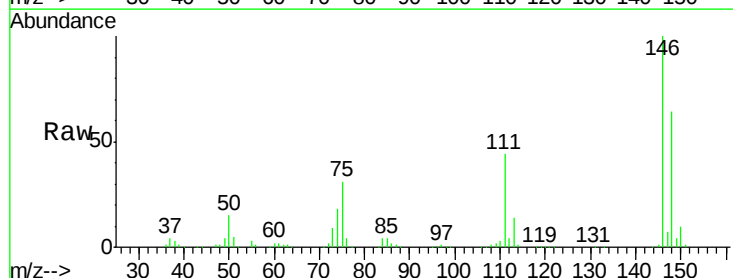
RT: 6.75 min Scan# 792

Delta R.T. -0.00 min

Lab File: BF104581.D

Acq: 18 Apr 2018 00:08

Tgt Ion:	146	Resp:	375144
Ion Ratio	Lower	Upper	
146	100		
148	64.0	51.8	77.8
75	30.8	24.2	36.4





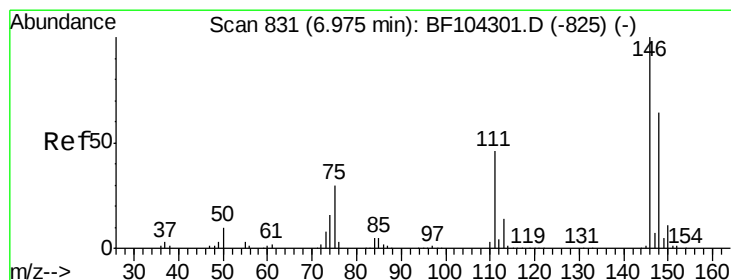
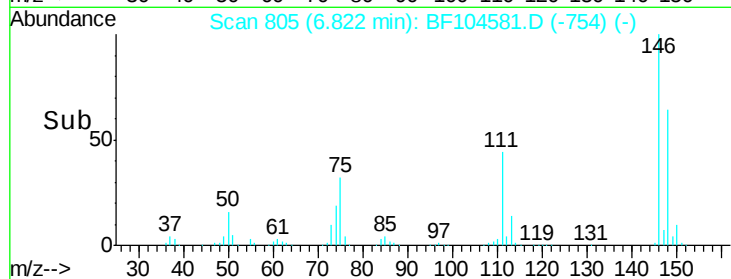
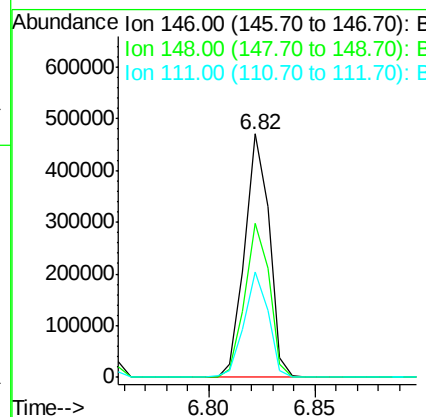
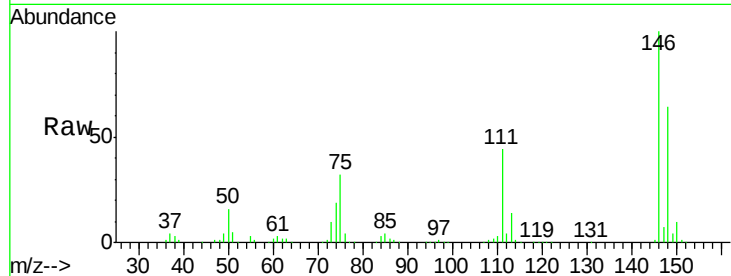
#13
1,4-Dichlorobenzene
Concen: 37.119 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.8	76.2
111	43.5	34.2	51.2

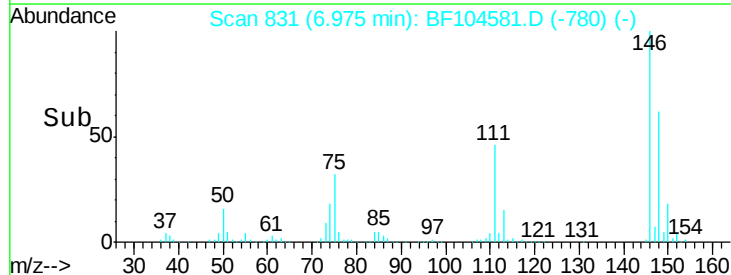
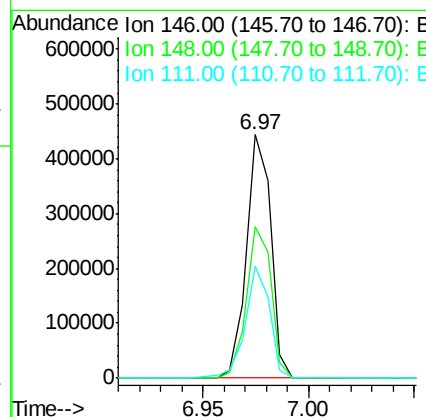
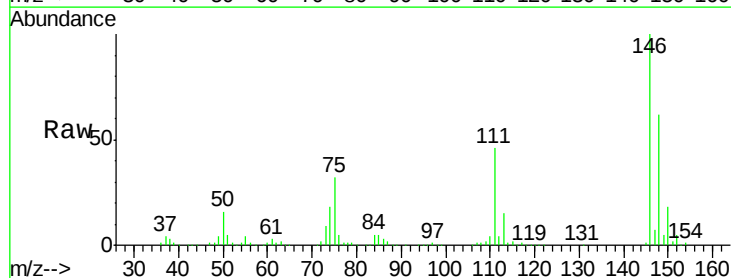
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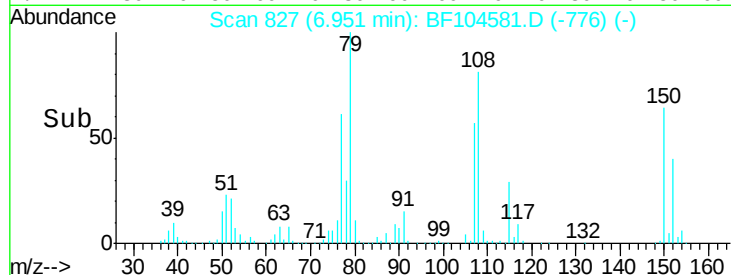
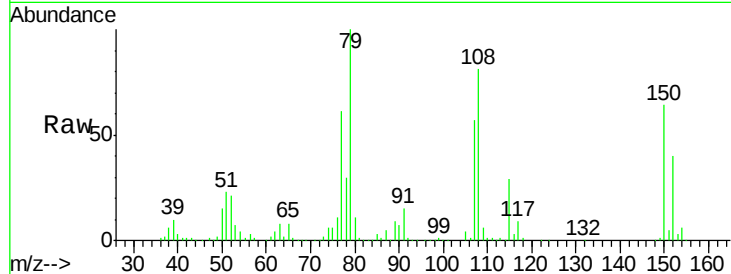
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#14
1,2-Dichlorobenzene
Concen: 37.244 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.3	50.6	75.8
111	45.9	36.0	54.0





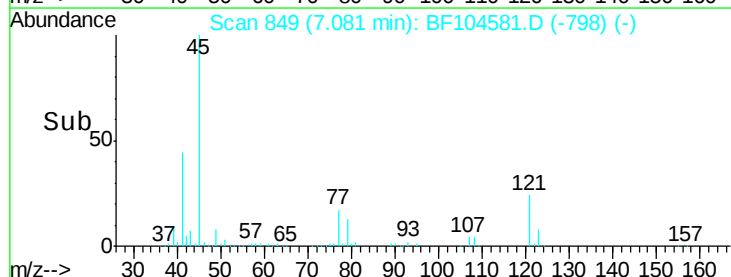
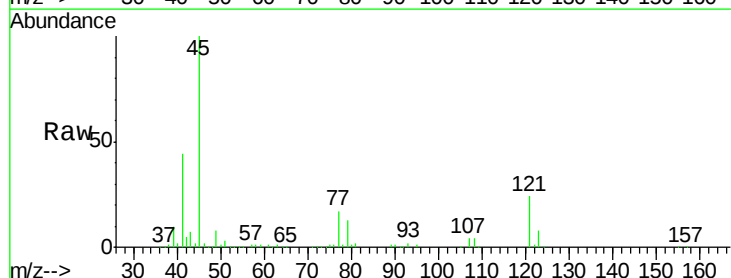
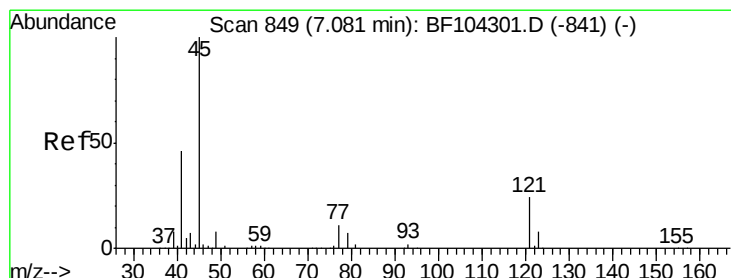
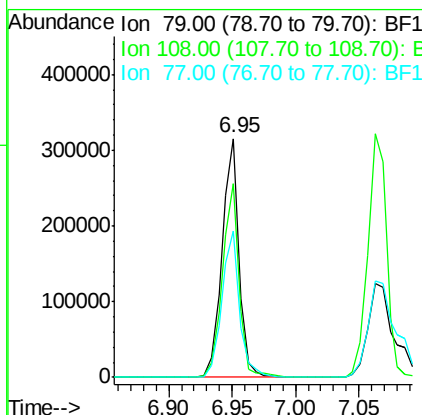
#15
Benzyl Alcohol
Concen: 36.733 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.00 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Tot Ion	Ratio	Lower	Upper
79	100		
108	81.0	65.1	97.7
77	61.4	50.6	75.8

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MSD

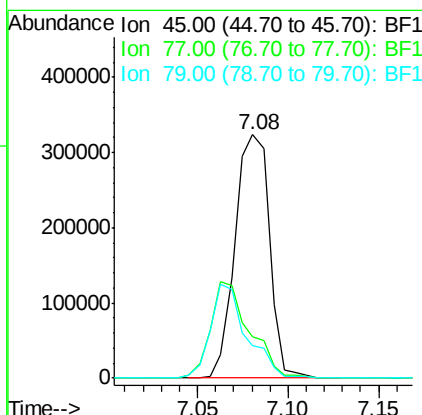
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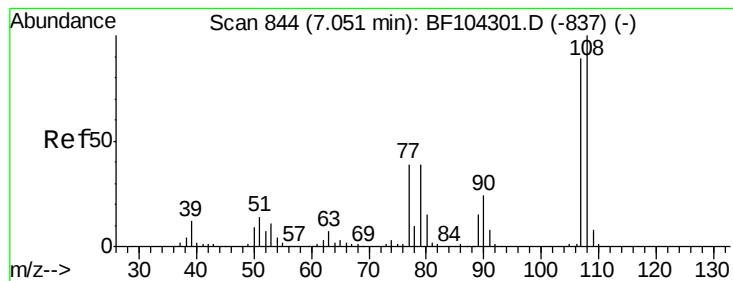
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.701 ng
RT: 7.08 min Scan# 849
Delta R.T. -0.00 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
45	100		
77	17.2	0.0	32.9
79	13.4	0.0	29.6





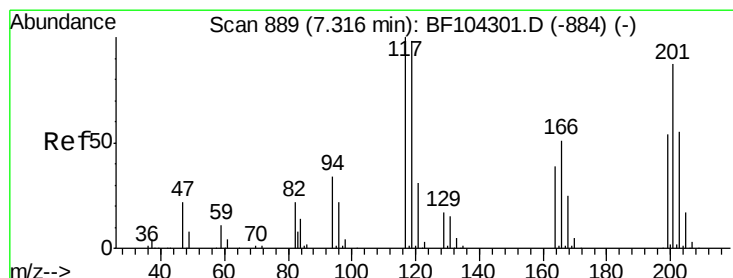
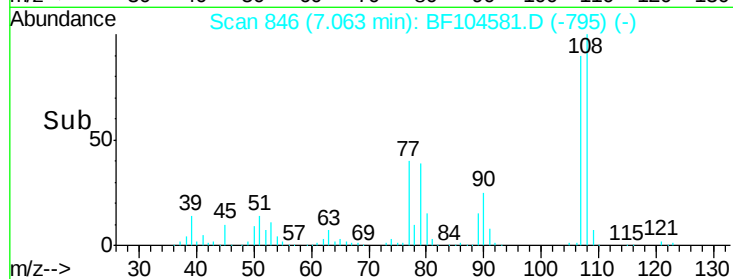
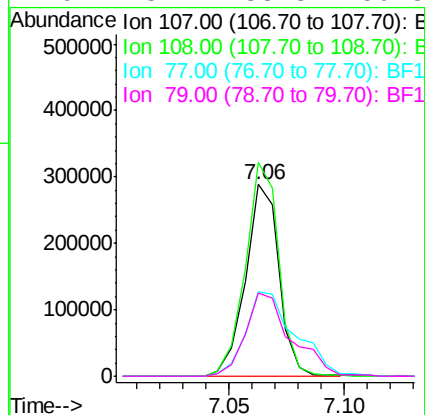
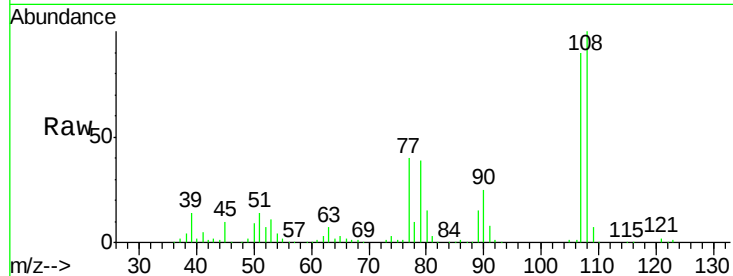
#17
2-Methylphenol
Concen: 37.225 ng
RT: 7.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	111.6	91.7	137.5
77	44.4	33.8	50.8
79	43.2	33.8	50.8

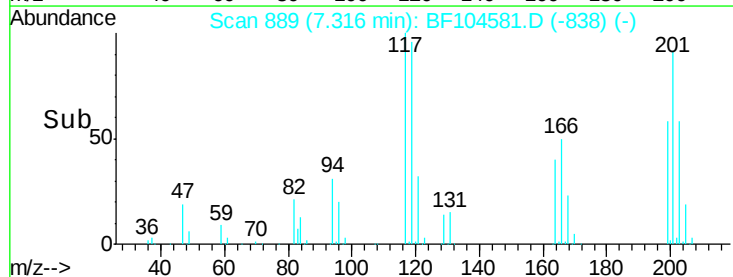
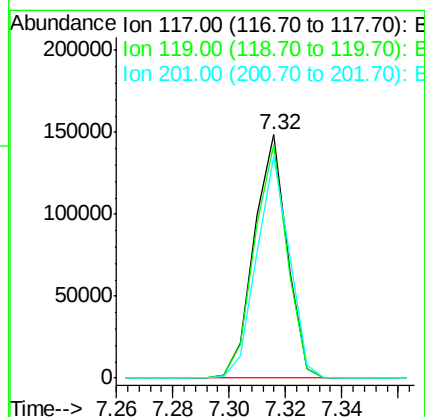
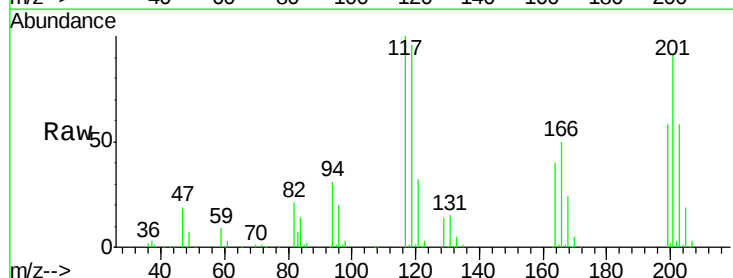
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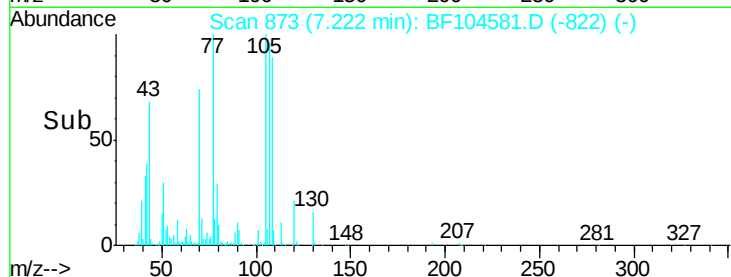
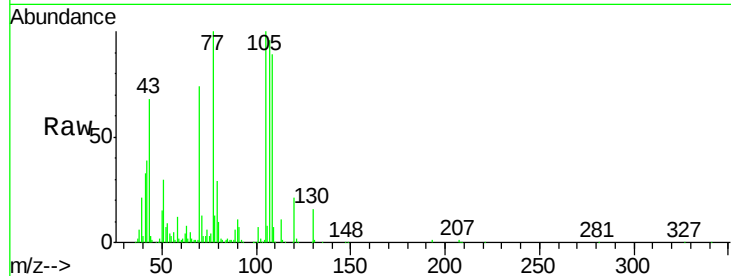
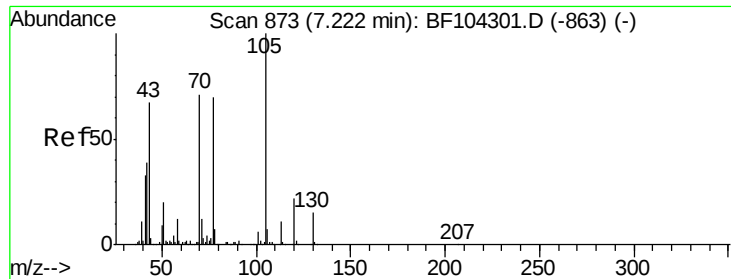
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#18
Hexachloroethane
Concen: 32.986 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.00 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	75.8	113.8
201	91.0	75.7	113.5





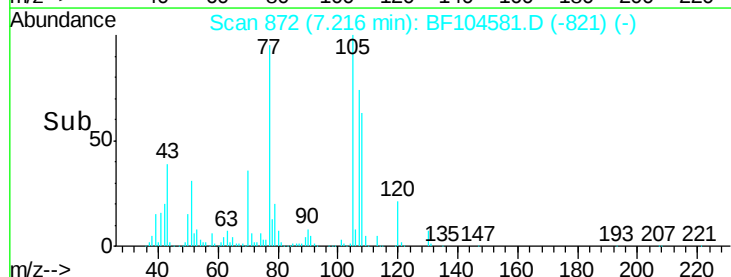
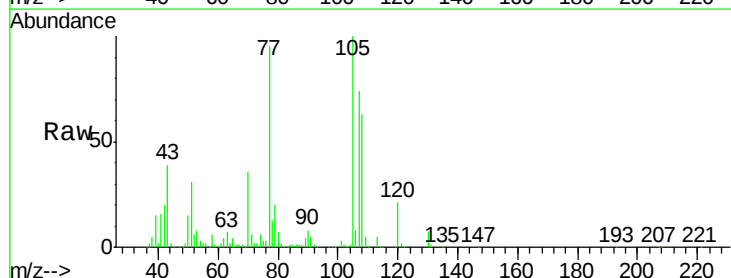
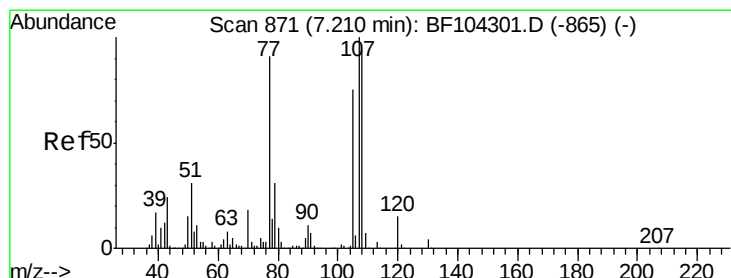
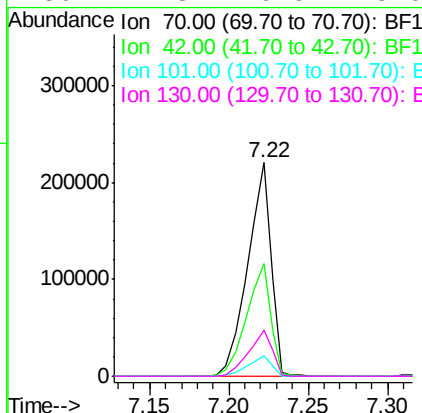
#19
n-Nitroso-di-n-propylamine
Concen: 32.654 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.00 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	52.9	47.5	71.3
101	9.6	7.4	11.2
130	21.3	16.6	25.0

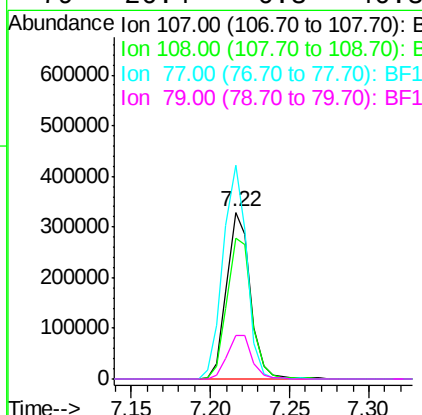
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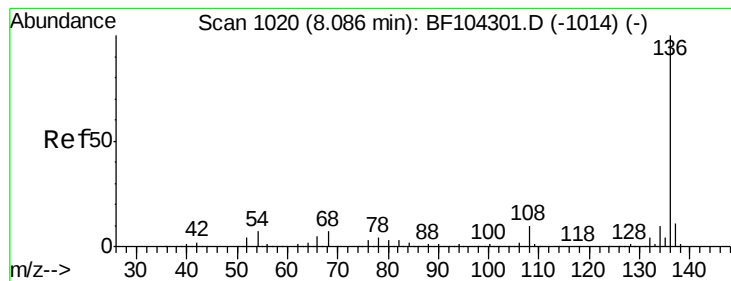
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#20
3+4-Methylphenols
Concen: 34.970 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.00 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
107	100		
108	84.4	68.2	108.2
77	128.2	26.7	66.7#
79	26.4	6.3	46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF104581.D

Acq: 18 Apr 2018 00:08

Instrument :

BNA_F

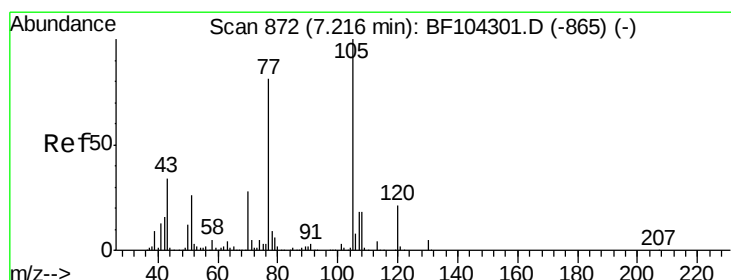
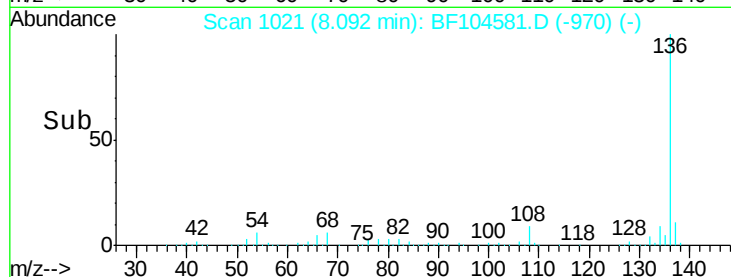
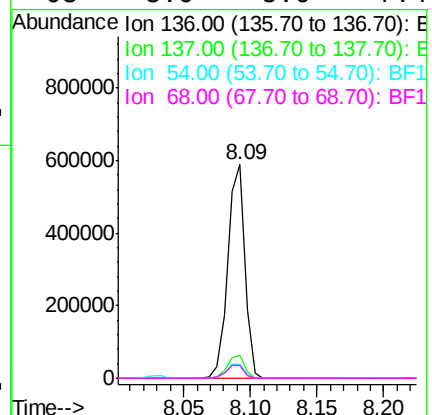
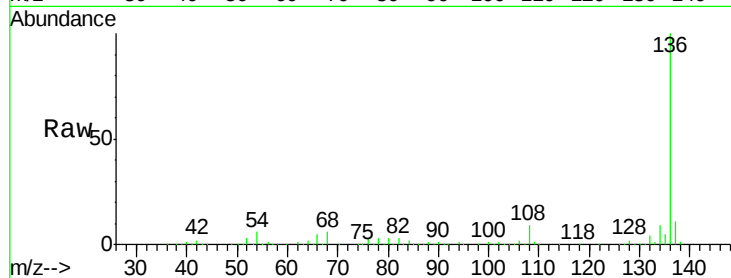
ClientSampleId :

NAA-WS-005MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	535731		
137	10.9	8.9	13.3	
54	6.4	6.6	9.8	
68	5.9	5.0	7.4	

Manual Integrations
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#22

Acetophenone

Concen: 34.594 ng

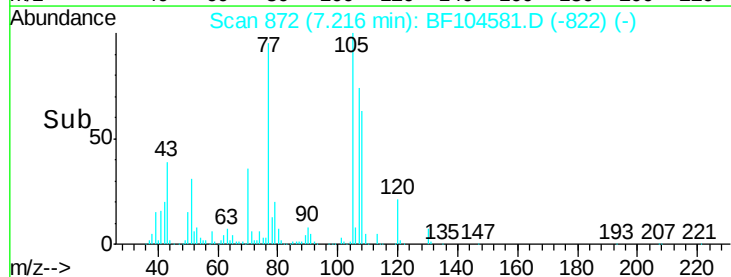
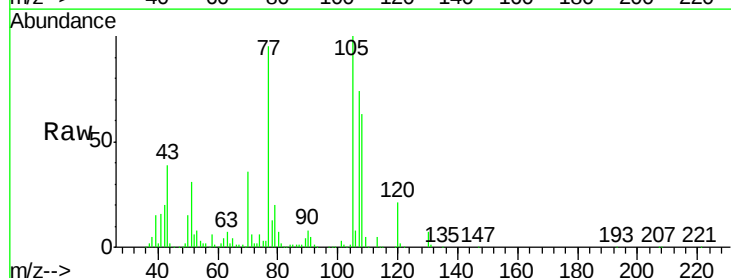
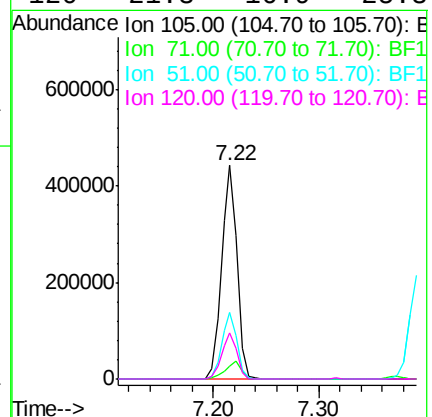
RT: 7.22 min Scan# 872

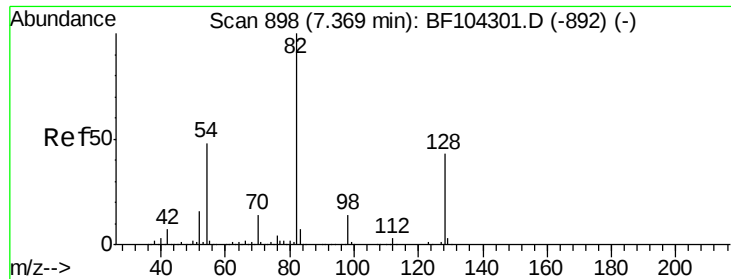
Delta R.T. -0.01 min

Lab File: BF104581.D

Acq: 18 Apr 2018 00:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	456275		
71	6.0	4.4	6.6	
51	31.3	22.3	33.5	
120	21.3	16.9	25.3	





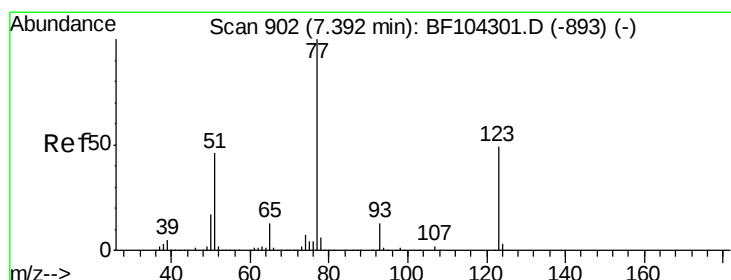
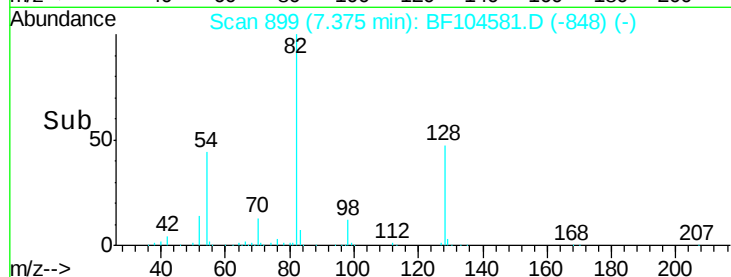
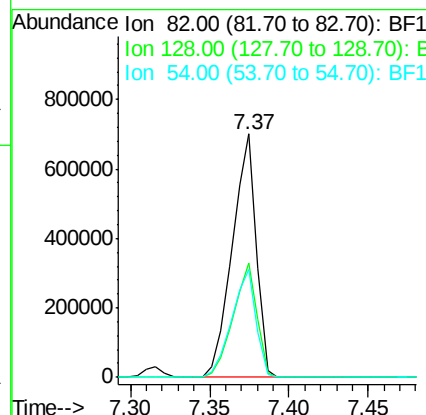
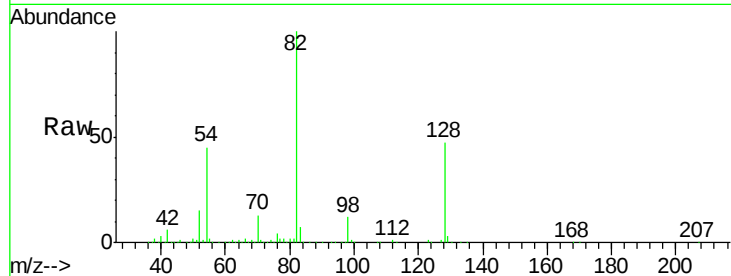
#23
Nitrobenzene-d5
Concen: 89.403 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.00 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.2	36.1	54.1
54	44.5	41.4	62.2

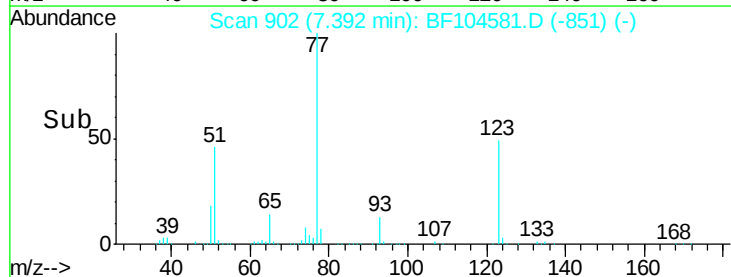
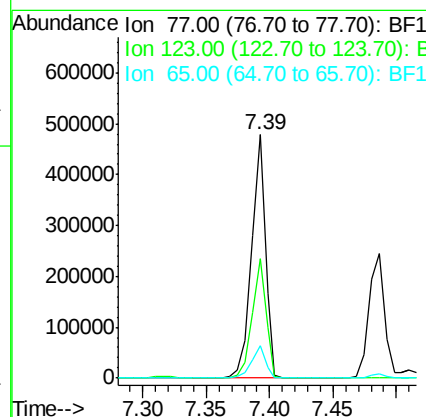
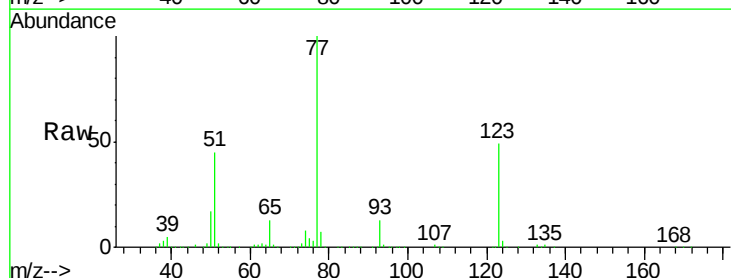
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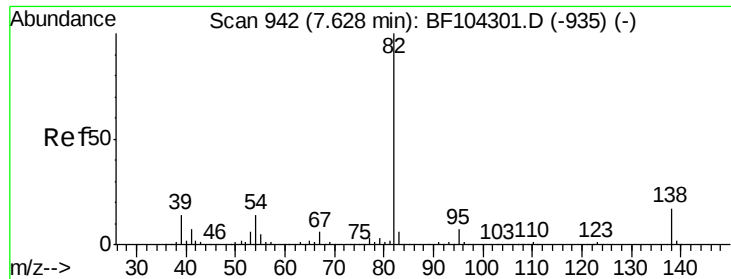
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#24
Nitrobenzene
Concen: 40.253 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.00 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
77	100		
123	48.9	37.9	56.9
65	13.2	11.0	16.4





#25

Isophorone

Concen: 37.004 ng

RT: 7.63 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF104581.D

Acq: 18 Apr 2018 00:08

Instrument :

BNA_F

ClientSampleId :

NAA-WS-005MSD

Tot Ion: 82 Resp: 641987

Ion Ratio Lower Upper

82 100

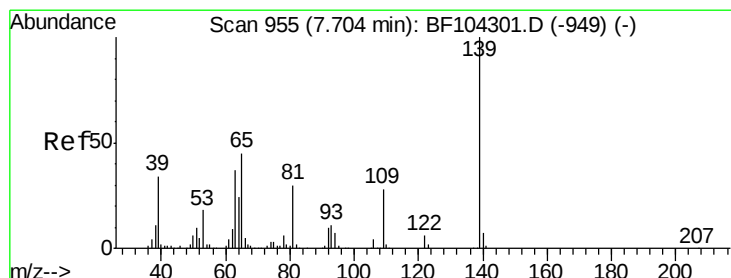
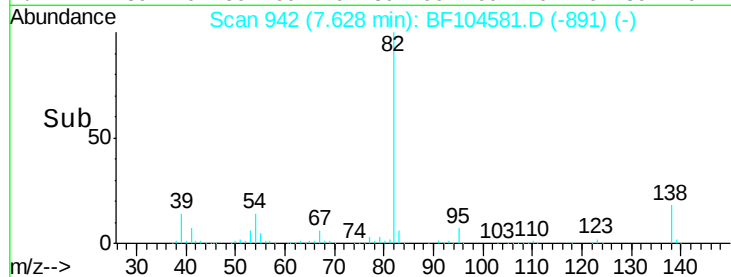
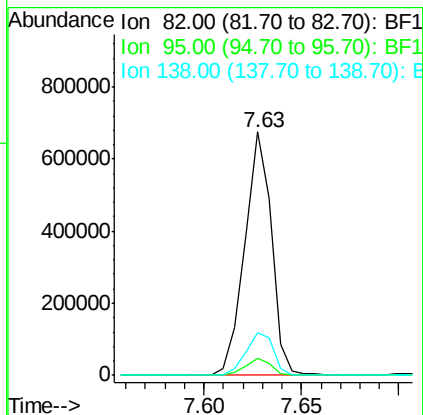
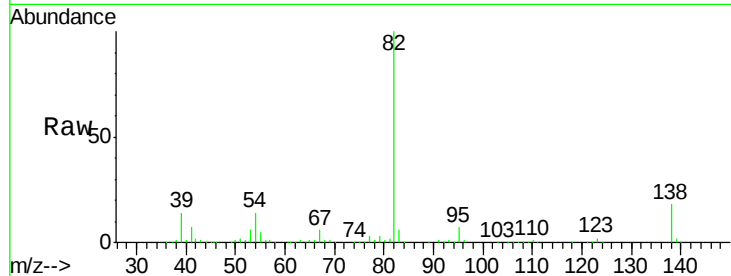
95 6.9 5.2 7.8

138 17.7 14.9 22.3

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#26

2-Nitrophenol

Concen: 50.429 ng

RT: 7.70 min Scan# 955

Delta R.T. -0.00 min

Lab File: BF104581.D

Acq: 18 Apr 2018 00:08

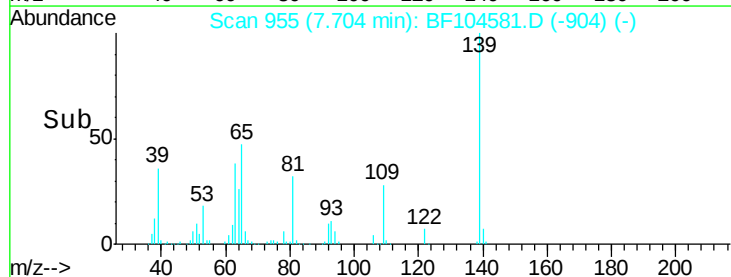
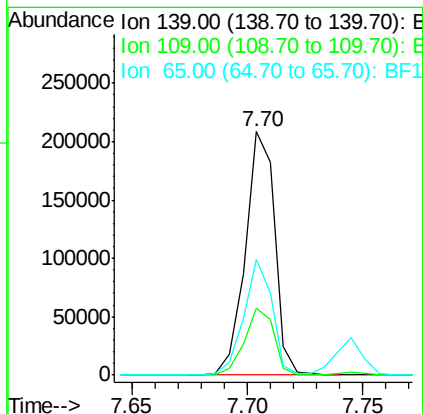
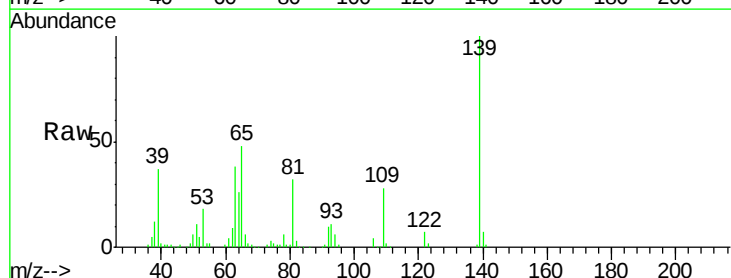
Tgt Ion: 139 Resp: 185964

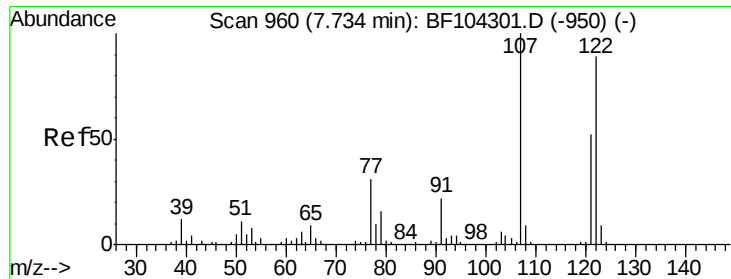
Ion Ratio Lower Upper

139 100

109 27.6 22.7 34.1

65 47.7 40.5 60.7





#27

2,4-Dimethylphenol

Concen: 38.133 ng

RT: 7.75 min Scan# 962

Delta R.T. -0.00 min

Lab File: BF104581.D

Acq: 18 Apr 2018 00:08

Instrument :

BNA_F

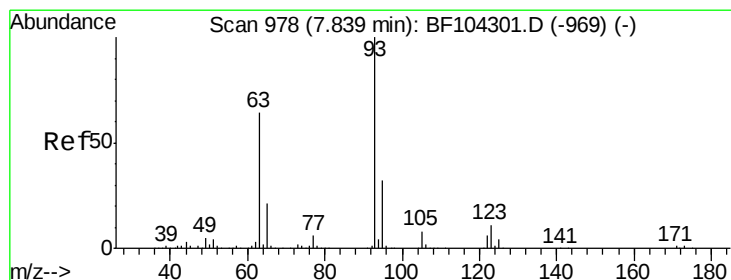
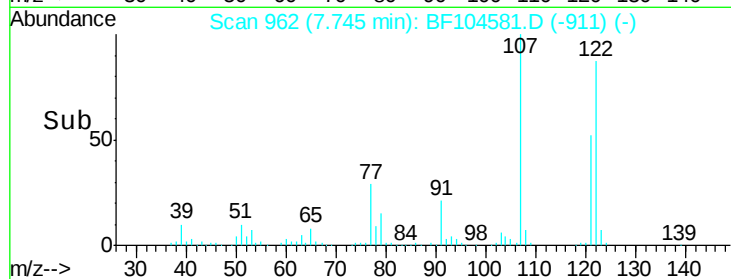
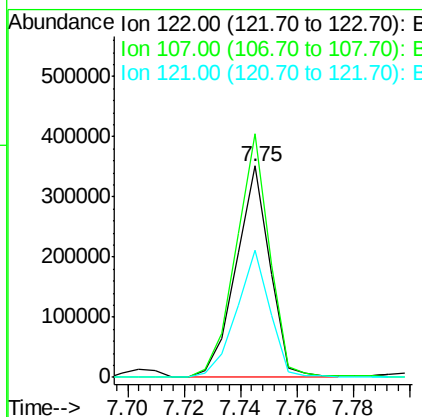
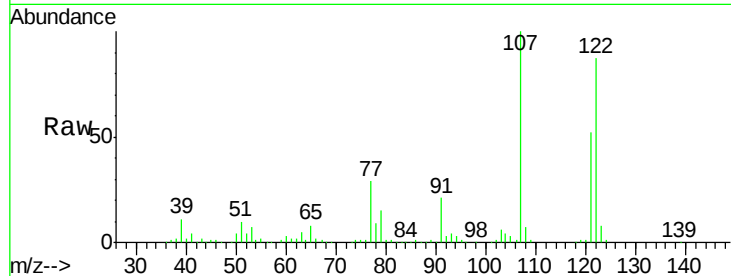
ClientSampleId :

NAA-WS-005MSD

Tot Ion:	122	Resp:	291980
Ion Ratio	Lower	Upper	
122	100		
107	115.4	91.2	136.8
121	60.2	47.2	70.8

Manual Integrations
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#28

bis(2-Chloroethoxy)methane

Concen: 39.651 ng

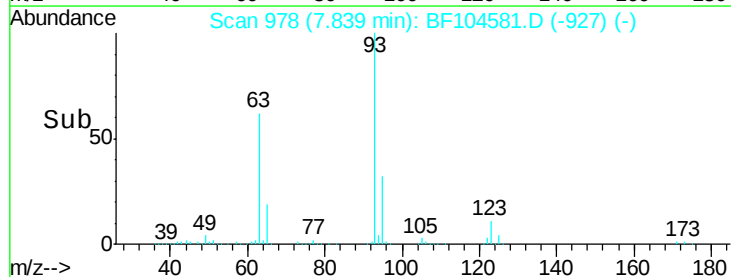
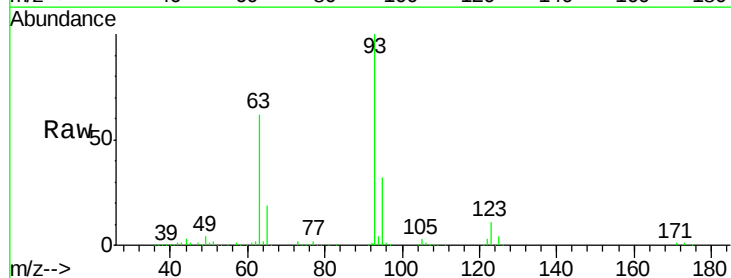
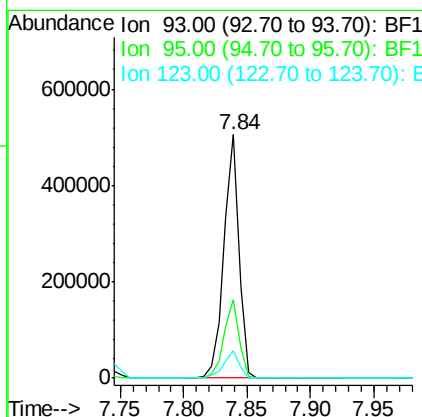
RT: 7.84 min Scan# 978

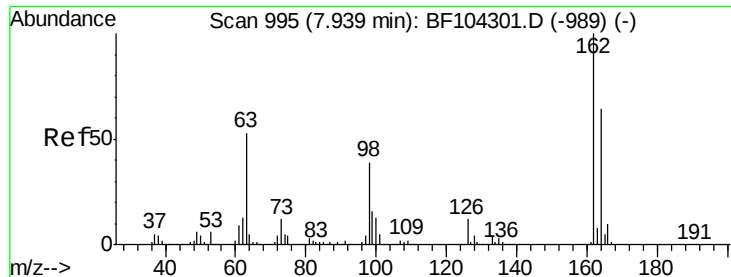
Delta R.T. -0.00 min

Lab File: BF104581.D

Acq: 18 Apr 2018 00:08

Tgt Ion:	93	Resp:	420606
Ion Ratio	Lower	Upper	
93	100		
95	32.3	26.3	39.5
123	11.2	9.8	14.6





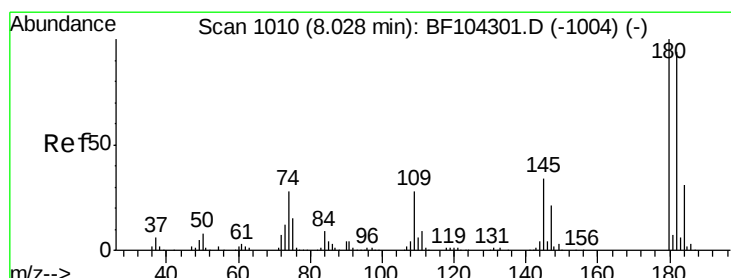
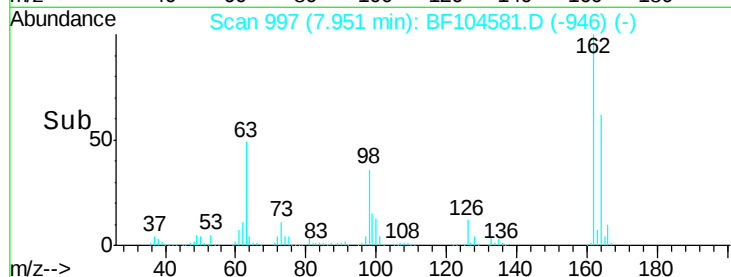
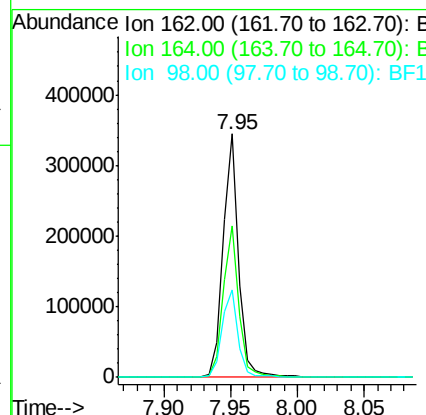
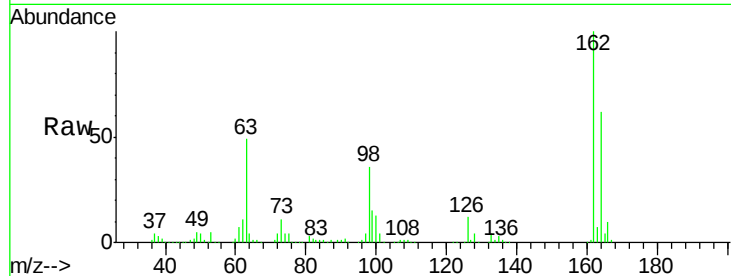
#29
2,4-Dichlorophenol
Concen: 38.957 ng
RT: 7.95 min Scan# 997
Delta R.T. -0.00 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MSD

Tot Ion:	162	Resp:	284612
Ion Ratio	Lower	Upper	
162	100		
164	61.9	42.7	82.7
98	35.9	18.1	58.1

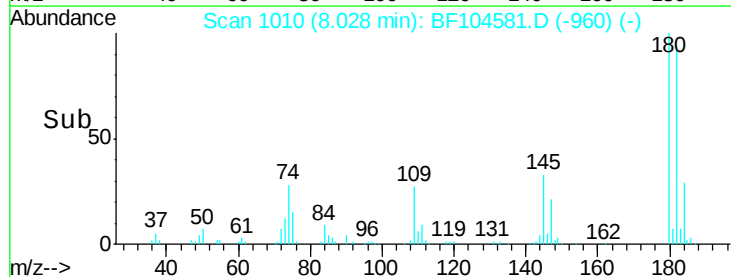
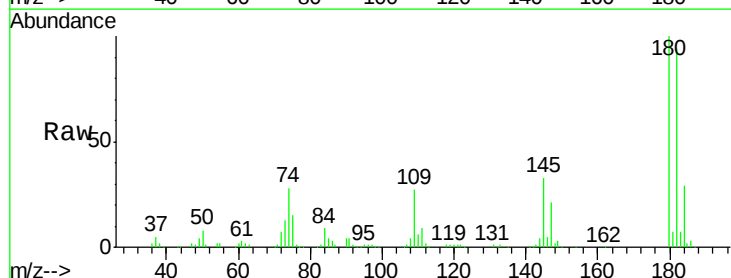
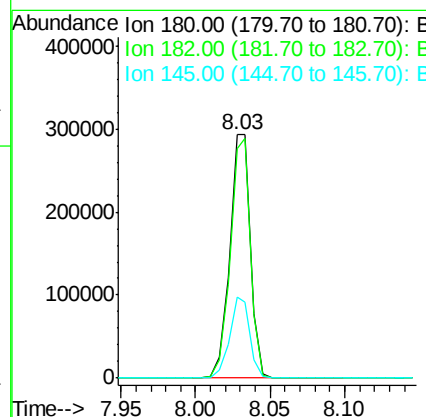
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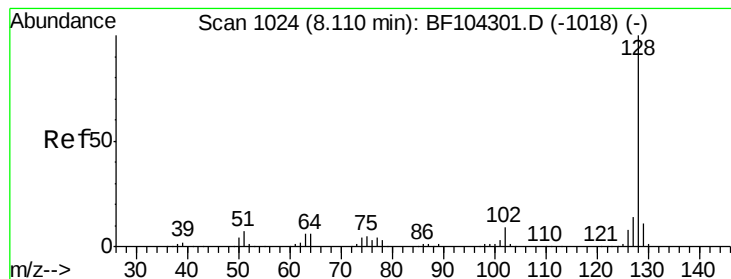
Sohil
4/18/2018 3:01:16 PM



#30
1,2,4-Trichlorobenzene
Concen: 36.058 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Tgt Ion:	180	Resp:	289107
Ion Ratio	Lower	Upper	
180	100		
182	94.2	76.8	115.2
145	33.2	26.5	39.7





#31

Naphthalene

Concen: 36.762 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF104581.D

Acq: 18 Apr 2018 00:08

Instrument :

BNA_F

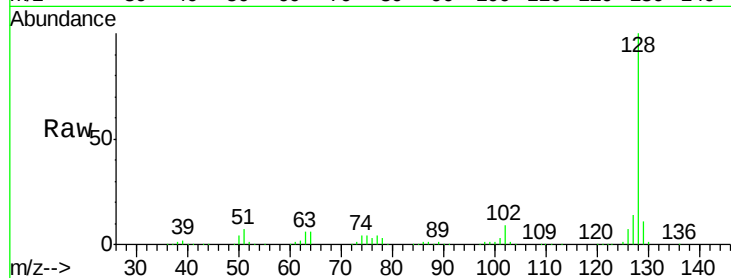
ClientSampleId :

NAA-WS-005MSD

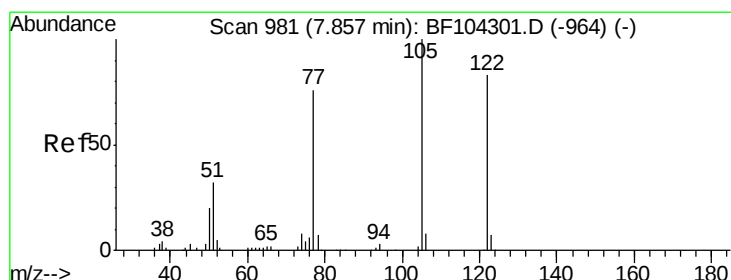
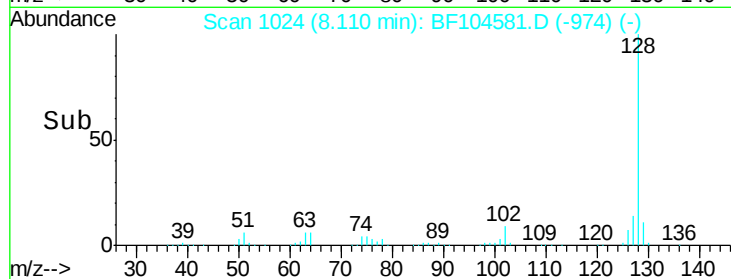
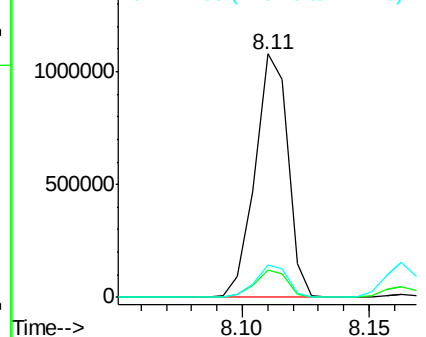
Tot Ion:	128	Resp:	980675
Ion Ratio	Lower	Upper	
128	100		
129	11.4	8.8	13.2
127	13.5	10.9	16.3

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 9.958 ng m

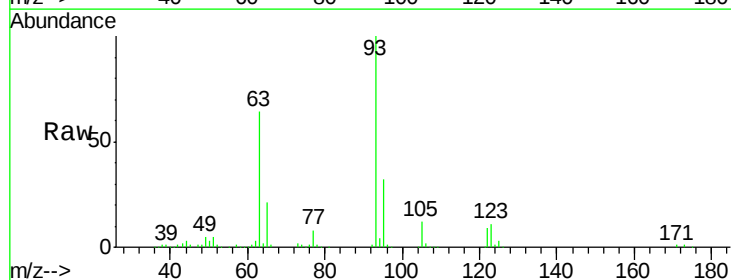
RT: 7.83 min Scan# 977

Delta R.T. -0.05 min

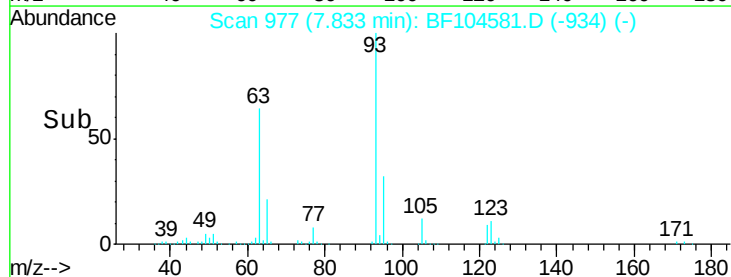
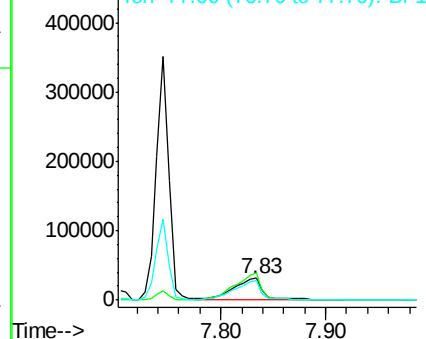
Lab File: BF104581.D

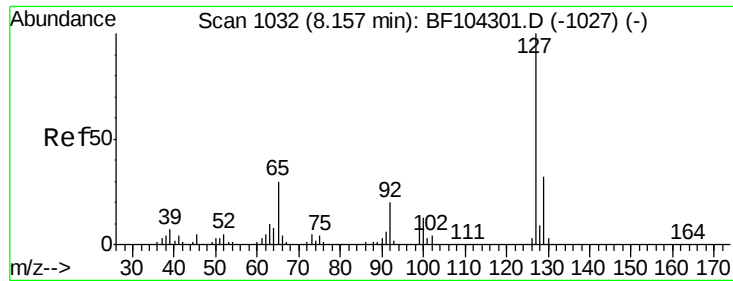
Acq: 18 Apr 2018 00:08

Tgt Ion:	122	Resp:	60839
Ion Ratio	Lower	Upper	
122	100		
105	124.8	101.1	141.1
77	89.0	70.7	110.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





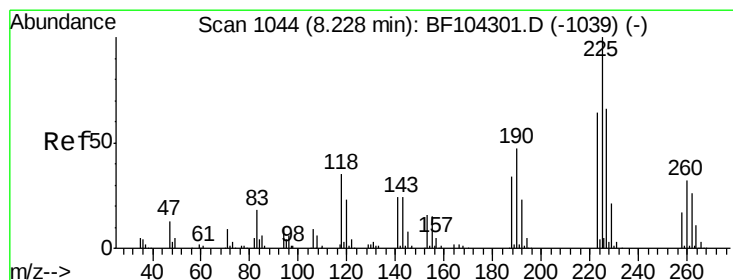
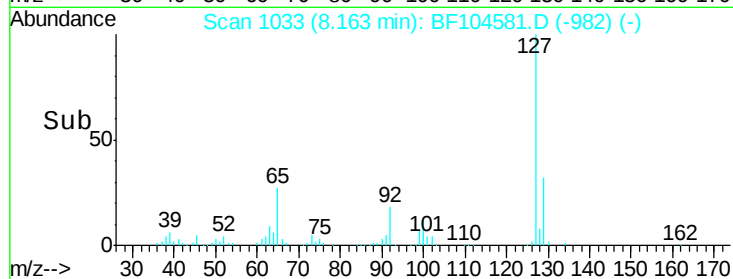
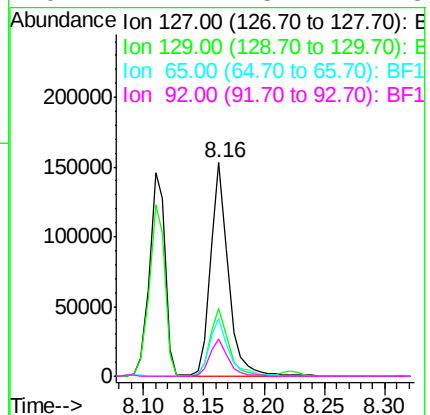
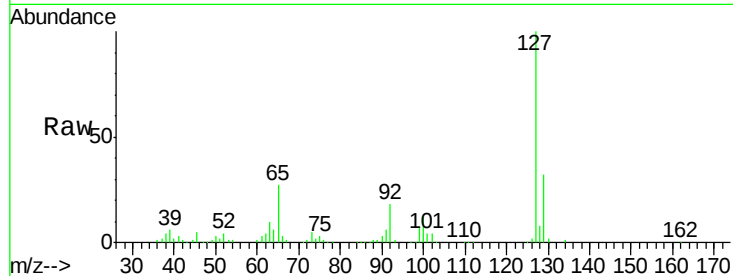
#33
4-Chloroaniline
Concen: 13.679 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.1		25.9	38.9	
65	27.2		25.0	37.4	
92	17.7		15.2	22.8	

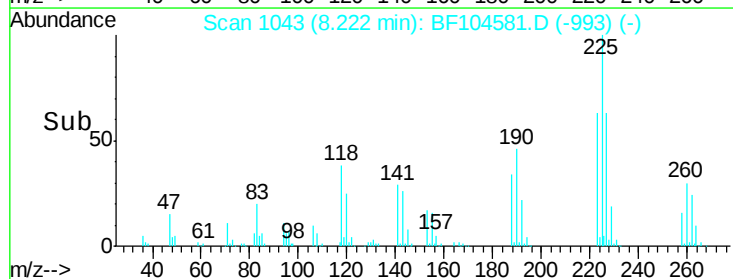
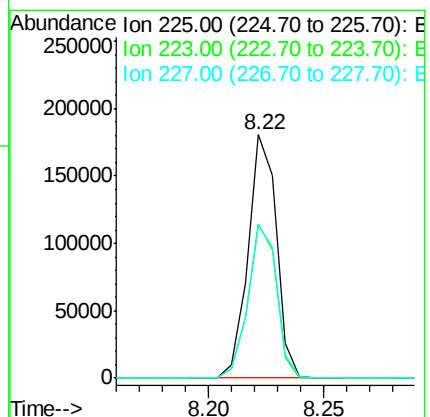
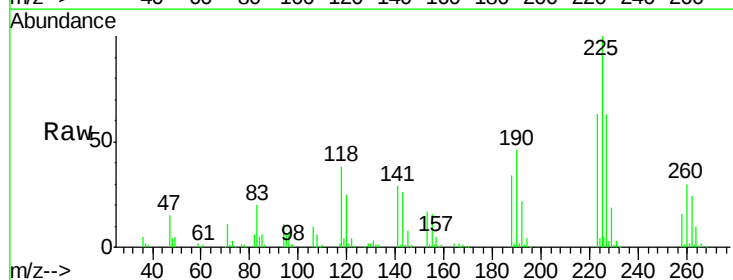
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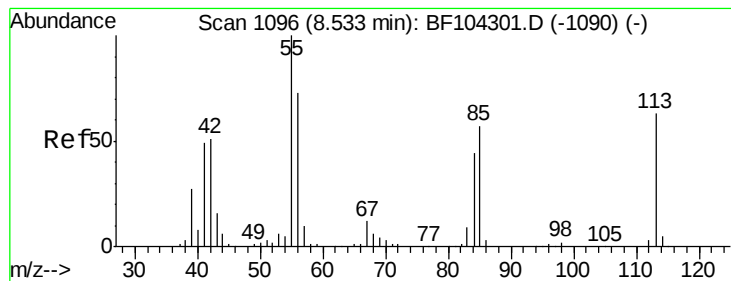
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#34
Hexachlorobutadiene
Concen: 35.369 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.3		50.6	76.0	
227	62.6		51.9	77.9	





#35

Caprolactam

Concen: 35.499 ng

RT: 8.53 min Scan# 1095

Delta R.T. -0.02 min

Lab File: BF104581.D

Acq: 18 Apr 2018 00:08

Instrument :

BNA_F

ClientSampleId :

NAA-WS-005MSD

Tot Ion:113 Resp: 90474

Ion Ratio Lower Upper

113 100

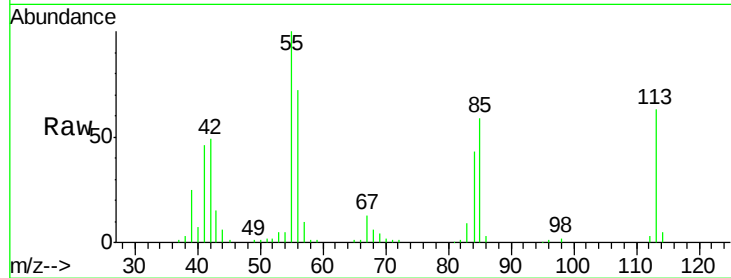
55 158.3 163.3 203.3#

56 114.3 115.7 155.7#

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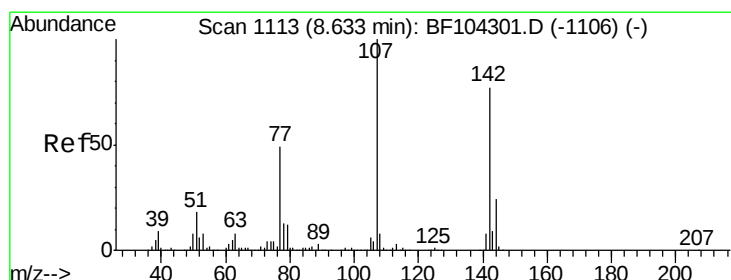
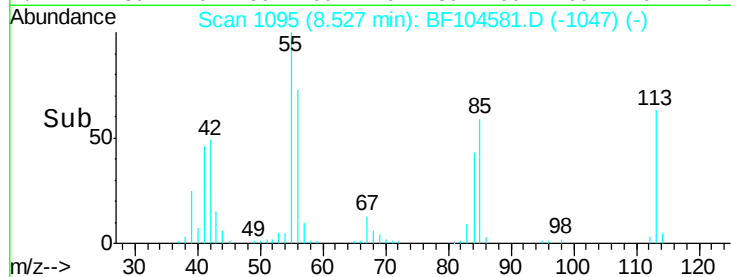
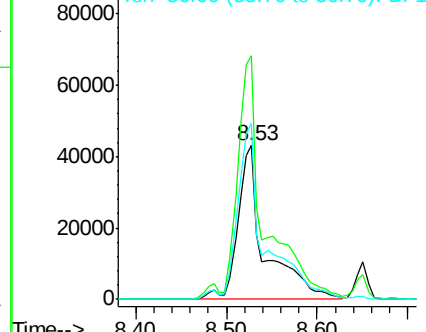
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 37.806 ng

RT: 8.65 min Scan# 1116

Delta R.T. 0.01 min

Lab File: BF104581.D

Acq: 18 Apr 2018 00:08

Tgt Ion:107 Resp: 296163

Ion Ratio Lower Upper

107 100

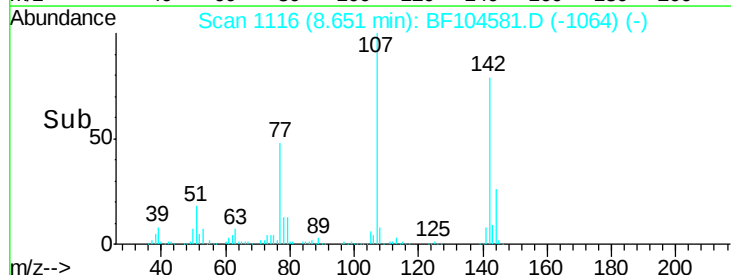
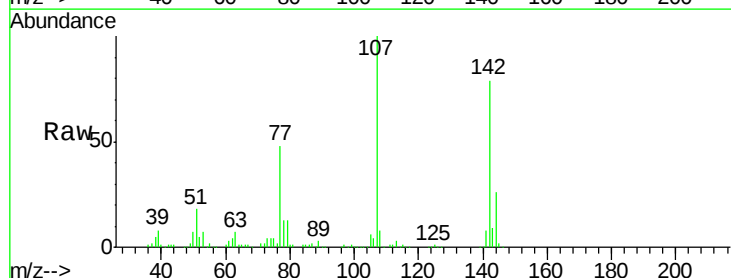
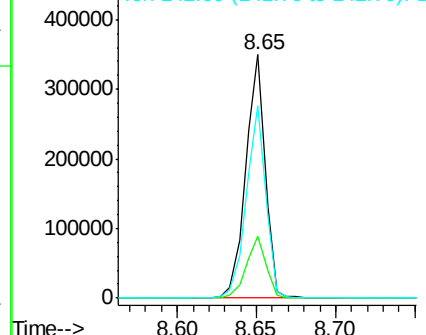
144 25.6 20.5 30.7

142 79.0 62.0 93.0

Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





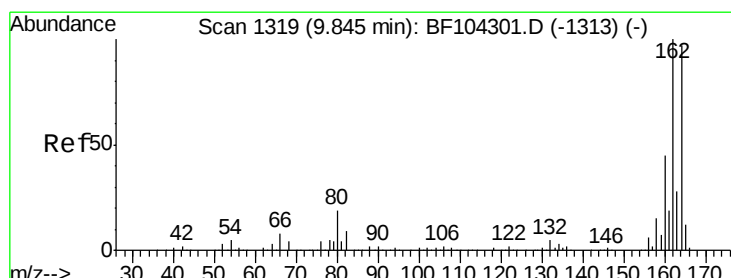
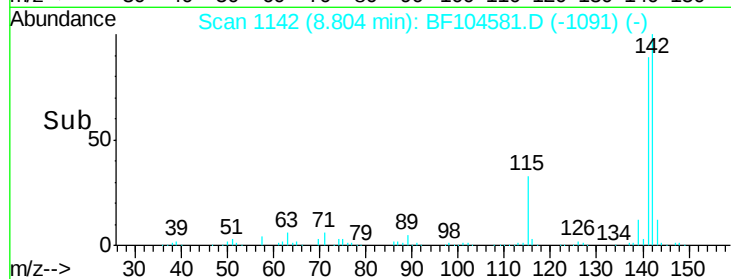
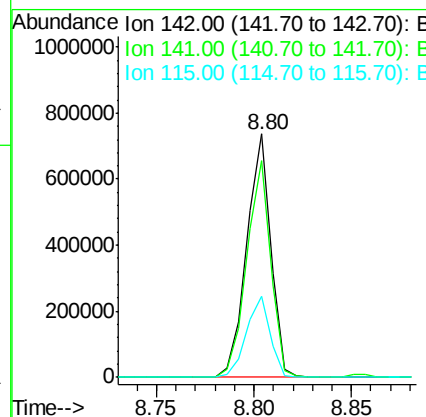
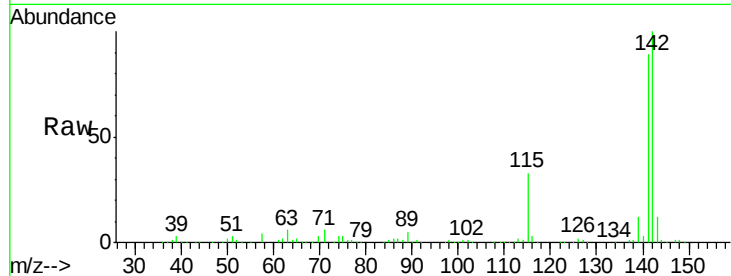
#37
2-Methylnaphthalene
Concen: 36.505 ng
RT: 8.80 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.8	106.2
115	33.2	26.1	39.1

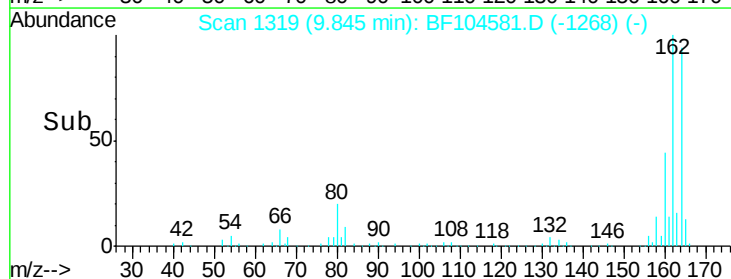
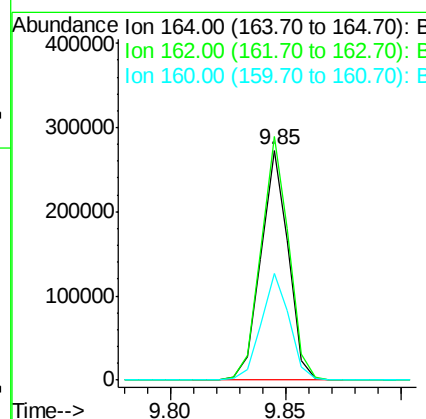
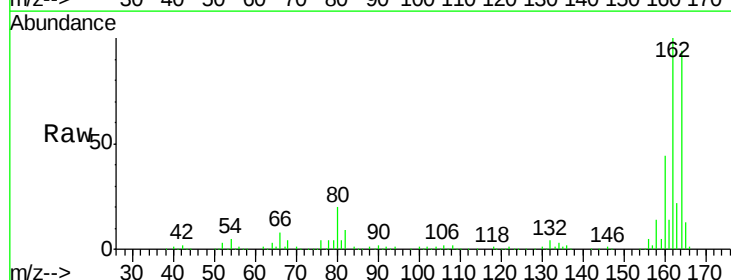
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.9	86.1	129.1
160	46.6	38.3	57.5





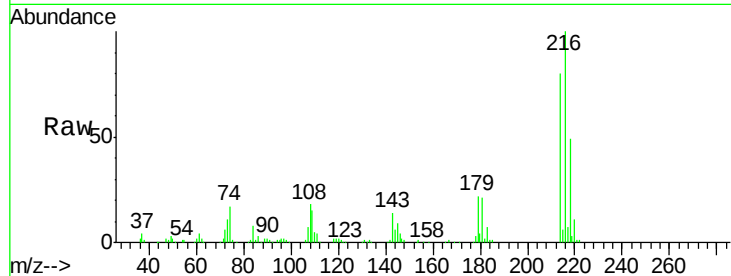
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 40.769 ng
 RT: 8.97 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: BF104581.D
 Acq: 18 Apr 2018 00:08

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-005MSD

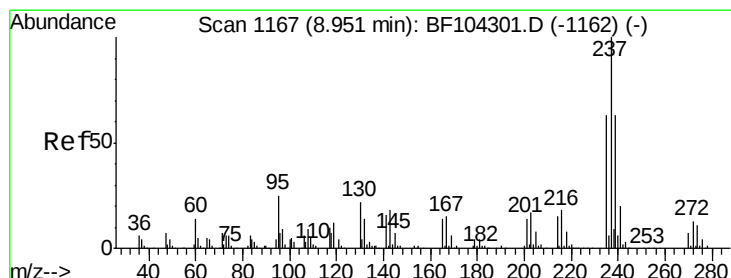
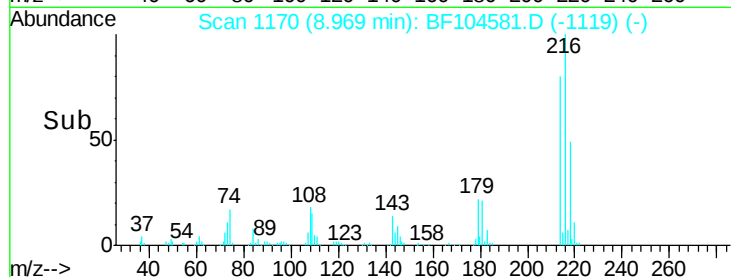
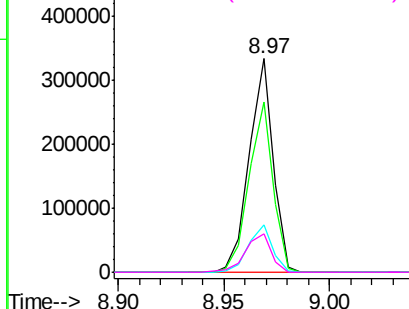
Tot Ion	Ratio	Lower	Upper
216	100		
214	79.8	63.0	94.4
179	22.0	18.1	27.1
108	19.5	17.2	25.8

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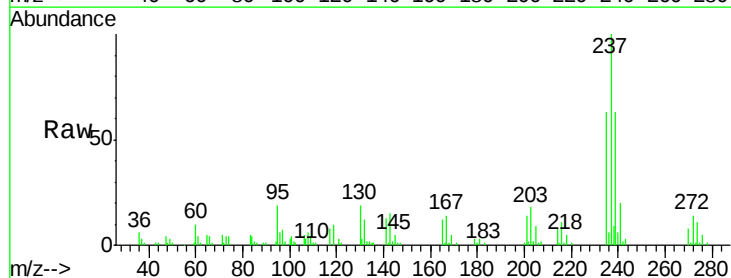


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

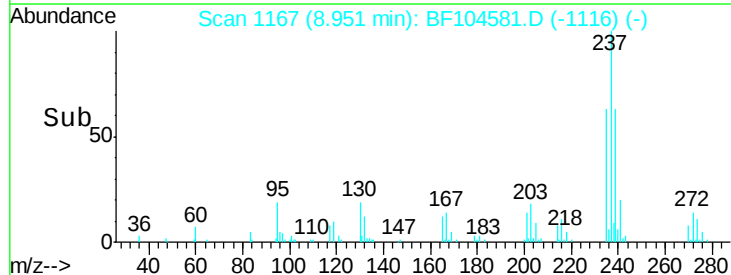
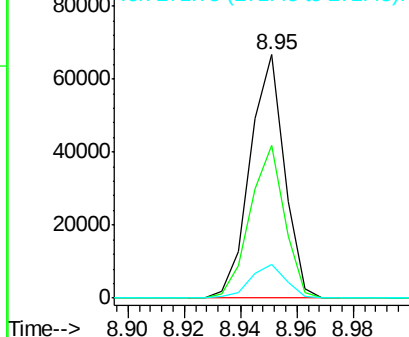


#40
 Hexachlorocyclopentadiene
 Concen: 15.533 ng
 RT: 8.95 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: BF104581.D
 Acq: 18 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
237	100		
235	63.0	44.8	84.8
272	14.0	0.0	33.3



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E





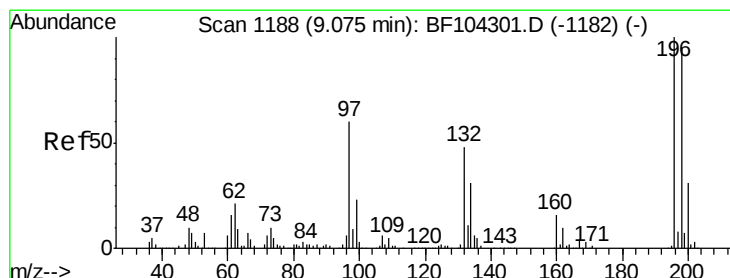
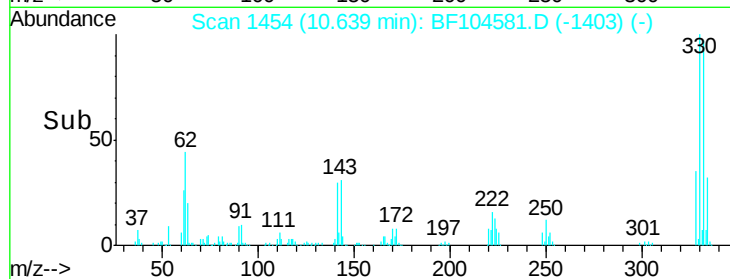
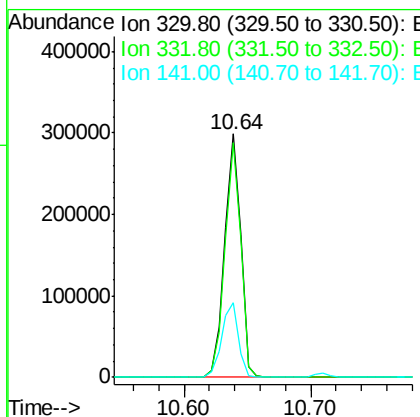
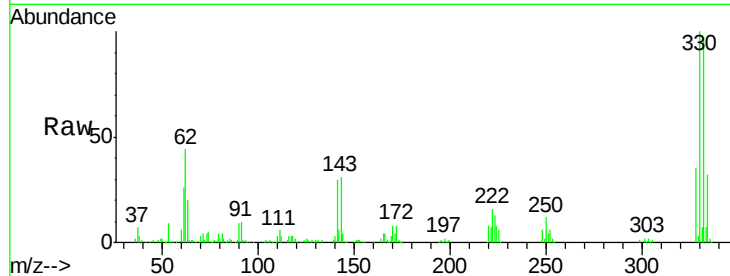
#41
 2,4,6-Tribromophenol
 Concen: 112.866 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF104581.D
 Acq: 18 Apr 2018 00:08

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-005MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	264610		
332	95.5	77.0	115.6	
141	32.0	29.9	44.9	

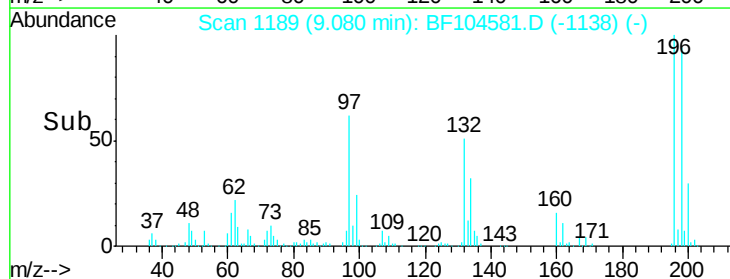
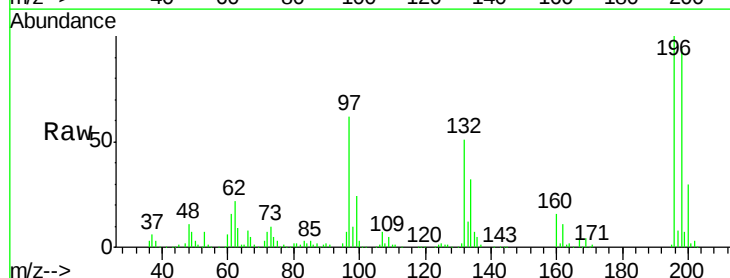
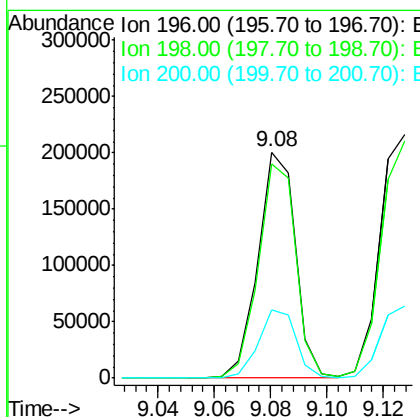
Manual Integrations
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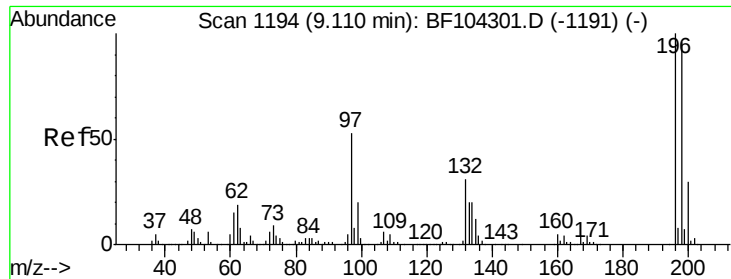
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#42
 2,4,6-Trichlorophenol
 Concen: 41.132 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: BF104581.D
 Acq: 18 Apr 2018 00:08

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	184729		
198	94.5	75.7	113.5	
200	30.3	24.5	36.7	





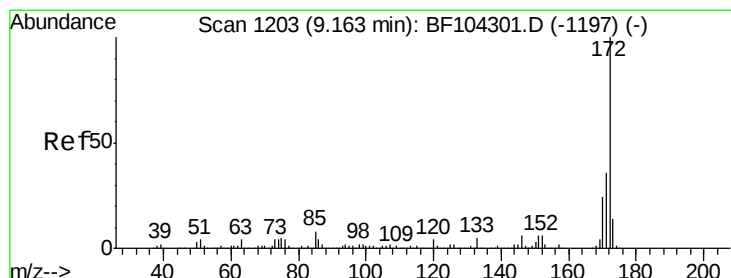
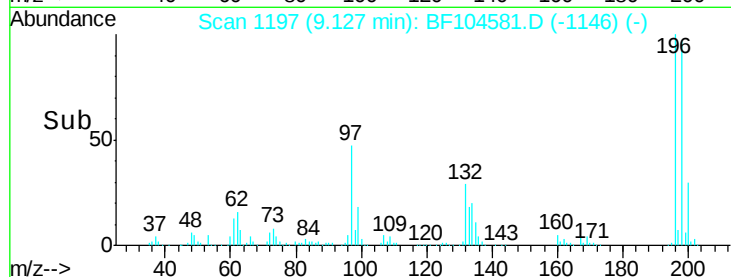
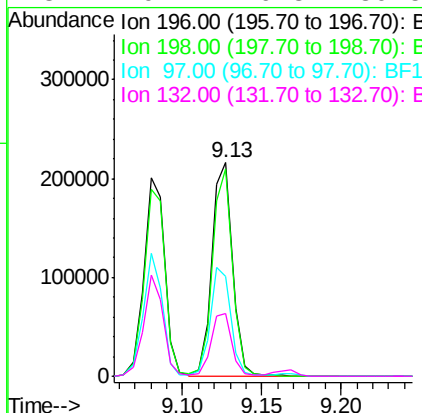
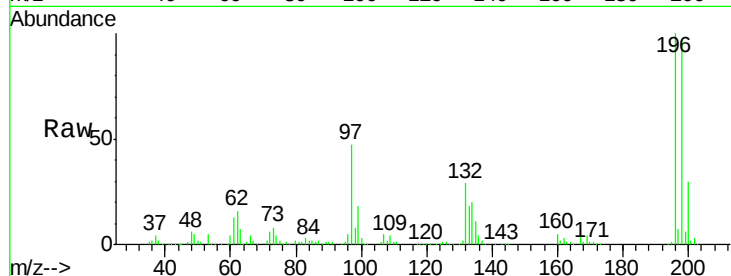
#43
 2,4,5-Trichlorophenol
 Concen: 39.159 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.00 min
 Lab File: BF104581.D
 Acq: 18 Apr 2018 00:08

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-005MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		196804		
198	97.4	74.6	112.0		
97	47.1	42.9	64.3		
132	29.1	26.3	39.5		

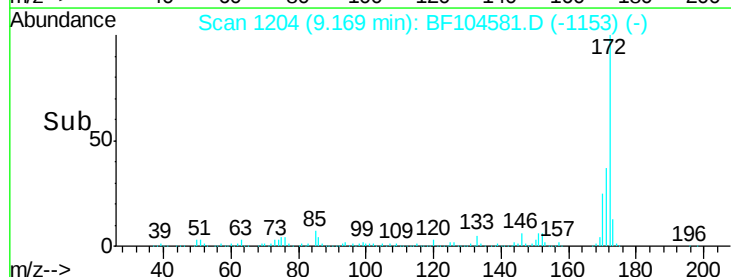
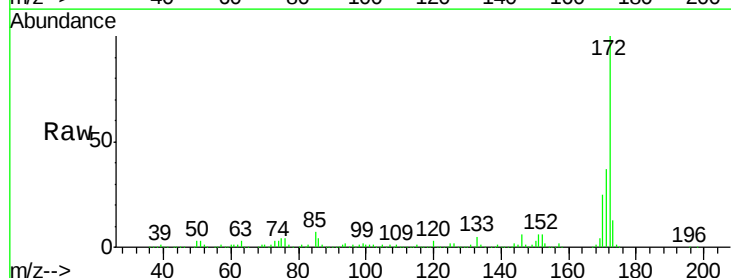
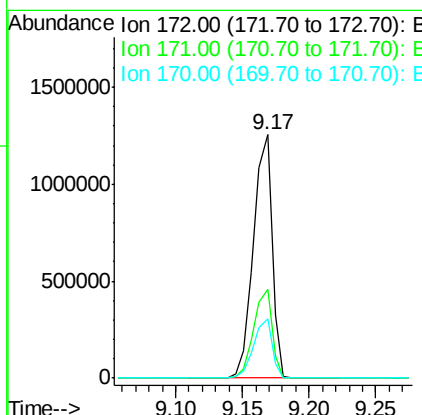
Manual Integrations
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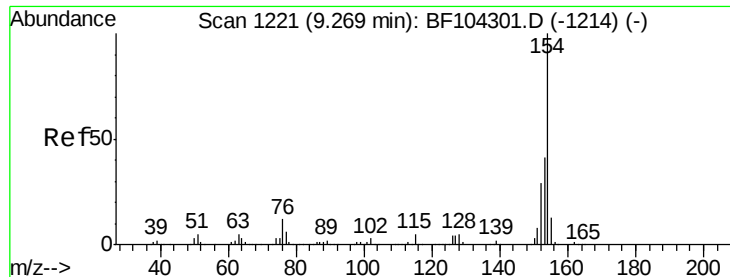
Sohil
 4/18/2018 3:01:16 PM



#44
 2-Fluorobiphenyl
 Concen: 83.407 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104581.D
 Acq: 18 Apr 2018 00:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		1193281		
171	36.7	29.7	44.5		
170	24.6	19.6	29.4		





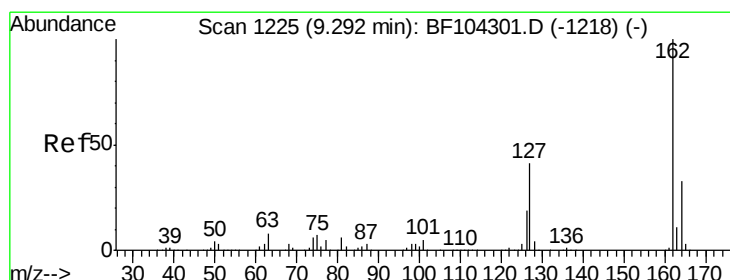
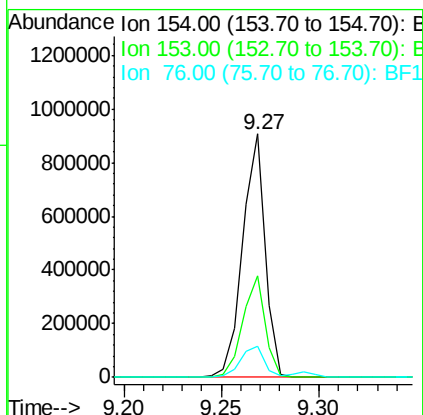
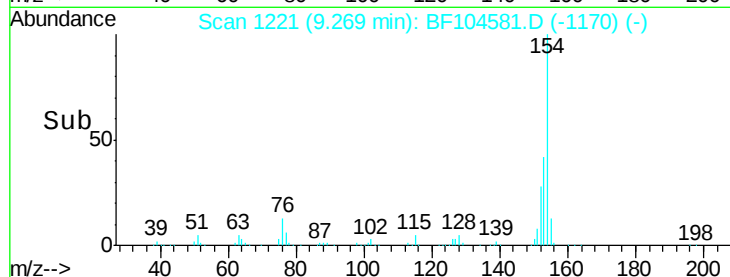
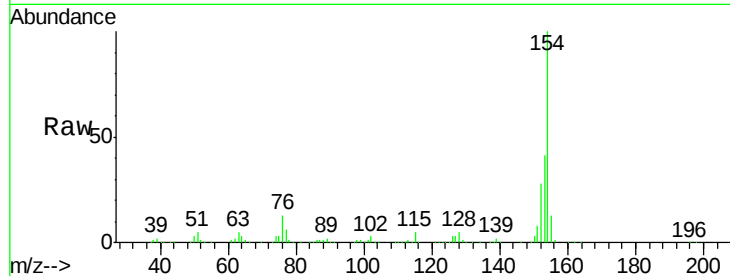
#45
 1,1'-Biphenyl
 Concen: 38.123 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.00 min
 Lab File: BF104581.D
 Acq: 18 Apr 2018 00:08

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-005MSD

Tot Ion:	154	Resp:	723823
Ion Ratio	Lower	Upper	
154	100		
153	41.5	21.3	61.3
76	13.0	0.0	34.0

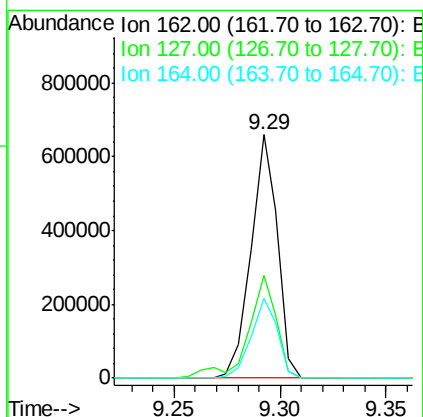
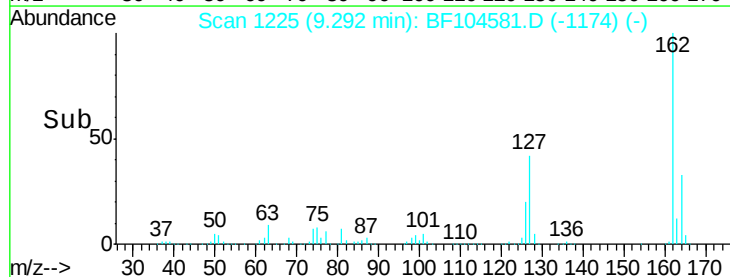
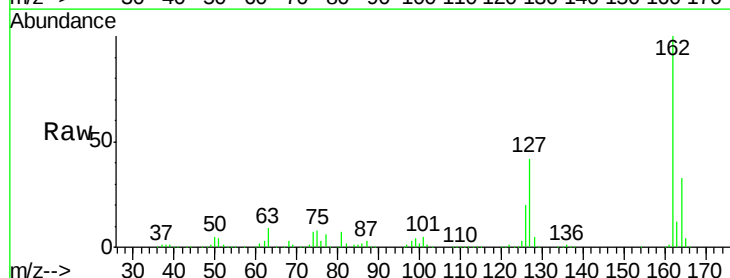
Manual Integrations
 APPROVED

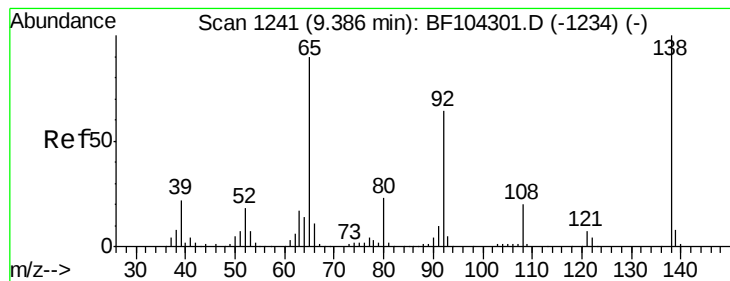
Sohil
 4/18/2018 3:01:16 PM



#46
 2-Chloronaphthalene
 Concen: 38.253 ng
 RT: 9.29 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: BF104581.D
 Acq: 18 Apr 2018 00:08

Tgt Ion:	162	Resp:	573668
Ion Ratio	Lower	Upper	
162	100		
127	42.4	33.9	50.9
164	32.7	26.5	39.7





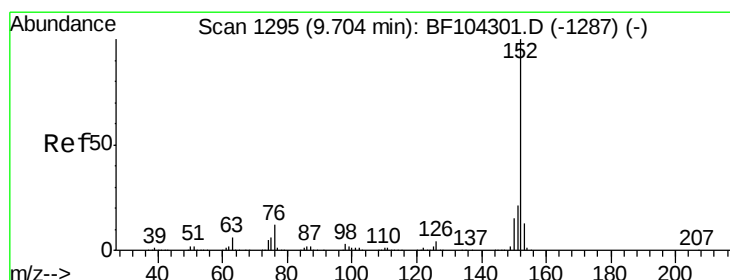
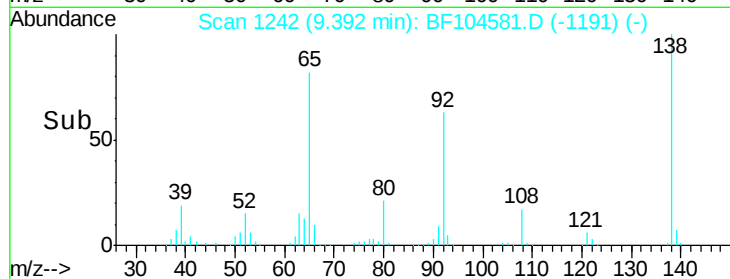
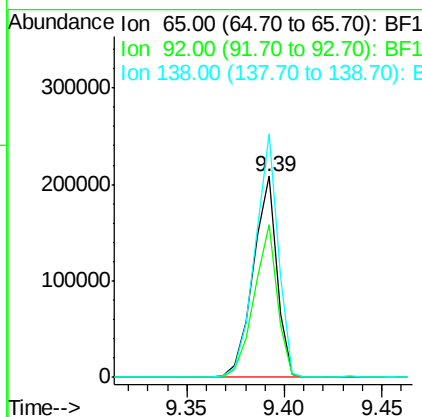
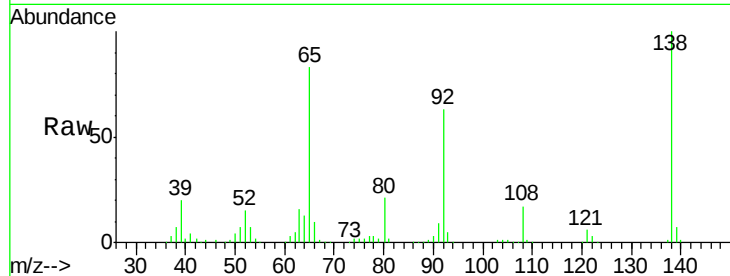
#47
 2-Nitroaniline
 Concen: 47.344 ng
 RT: 9.39 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: BF104581.D
 Acq: 18 Apr 2018 00:08

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-005MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	75.7	55.8	83.6
138	121.0	91.2	136.8

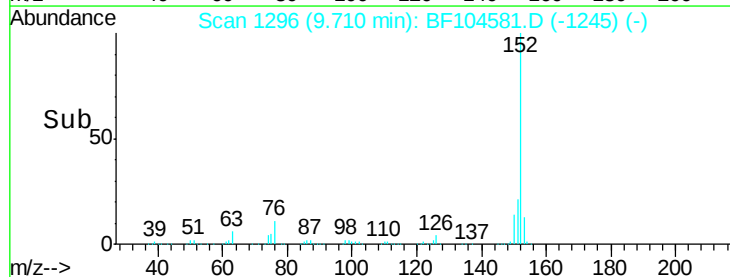
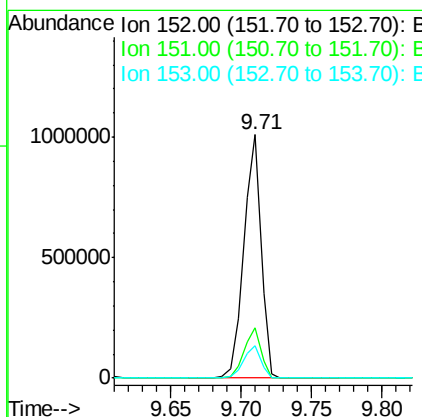
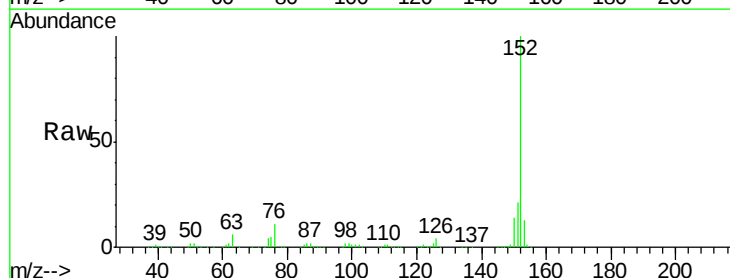
Manual Integrations
 APPROVED

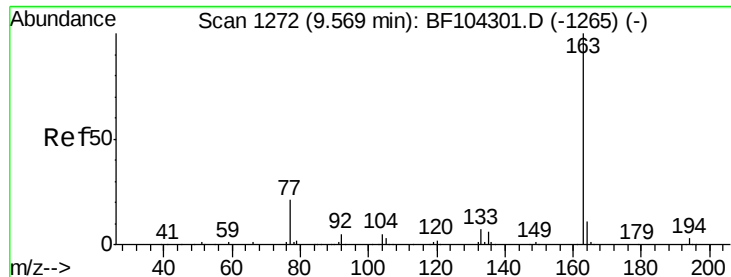
Sohil
 4/18/2018 3:01:16 PM



#48
 Acenaphthylene
 Concen: 36.439 ng
 RT: 9.71 min Scan# 1296
 Delta R.T. -0.00 min
 Lab File: BF104581.D
 Acq: 18 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.3	24.5
153	13.3	10.7	16.1





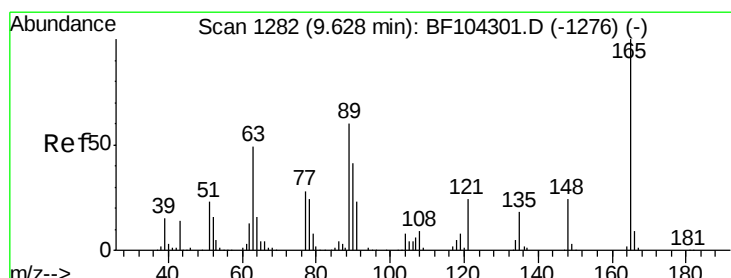
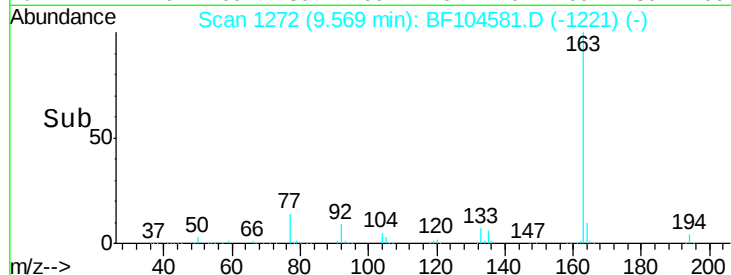
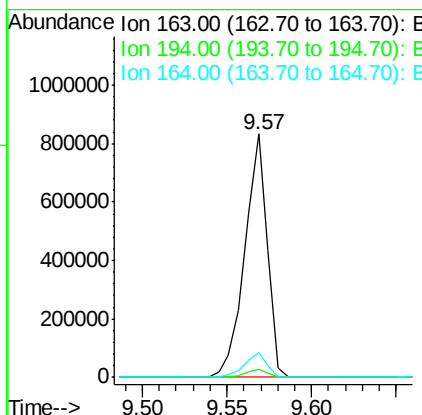
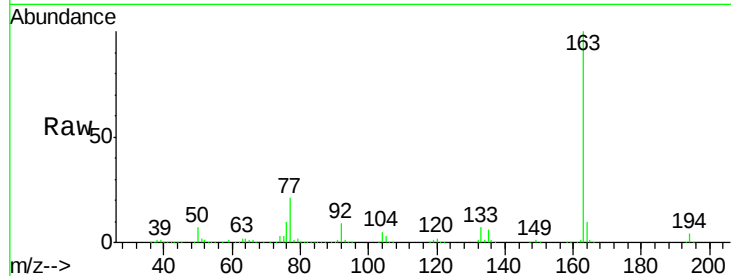
#49
Dimethylphthalate
Concen: 43.459 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.00 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100				
194	3.5		2.7	4.1	
164	10.4		8.2	12.2	

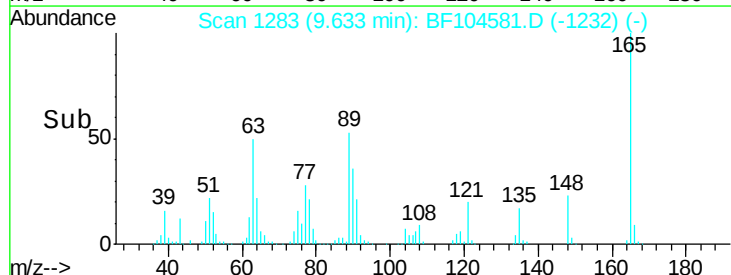
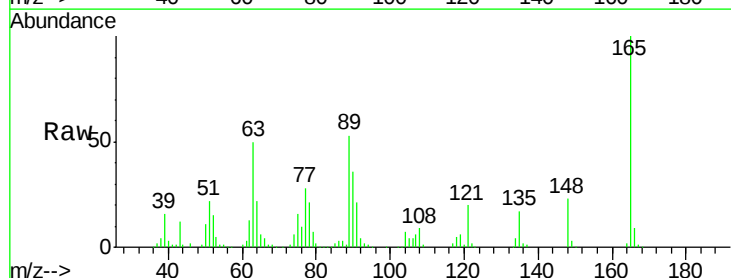
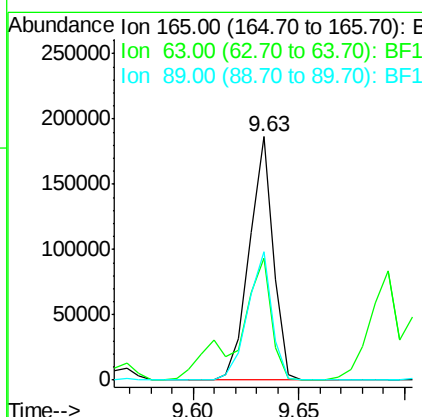
Manual Integrations
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4/18/2018 3:01:16 PM



#50
2,6-Dinitrotoluene
Concen: 44.739 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.00 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
165	100				
63	50.2		44.7	67.1	
89	53.0		44.0	66.0	





#51

Acenaphthene

Concen: 34.525 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.00 min

Lab File: BF104581.D

Acq: 18 Apr 2018 00:08

Instrument :

BNA_F

ClientSampleId :

NAA-WS-005MSD

Tot Ion:154 Resp: 495648

Ion Ratio Lower Upper

154 100

153 115.4 91.2 136.8

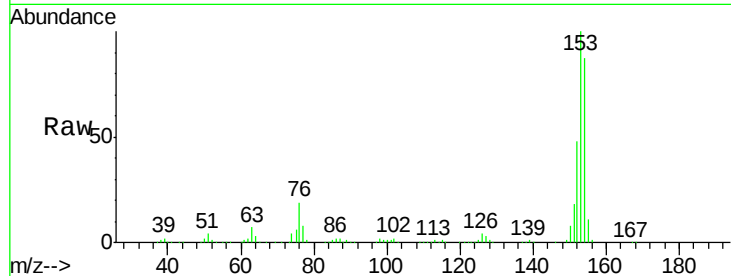
152 55.8 43.8 65.8

Manual Integrations

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Sohil

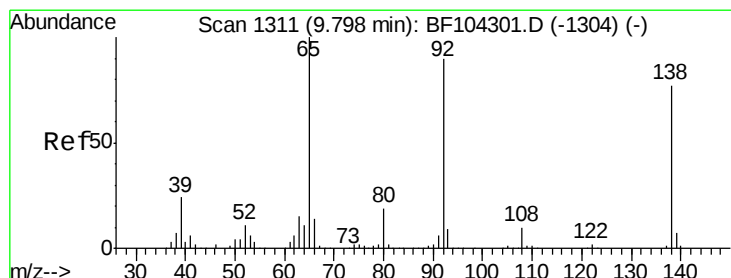
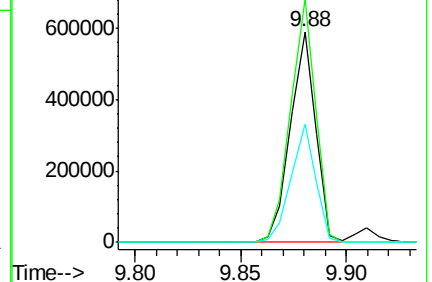
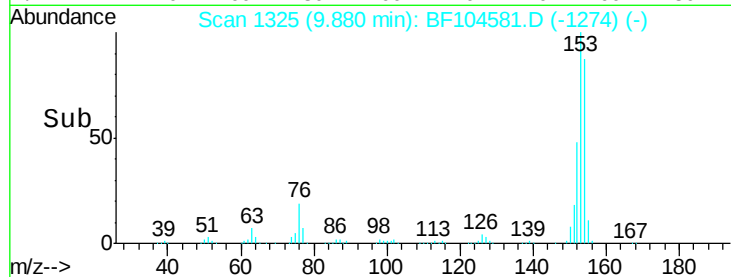
4/18/2018 3:01:16 PM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 24.780 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF104581.D

Acq: 18 Apr 2018 00:08

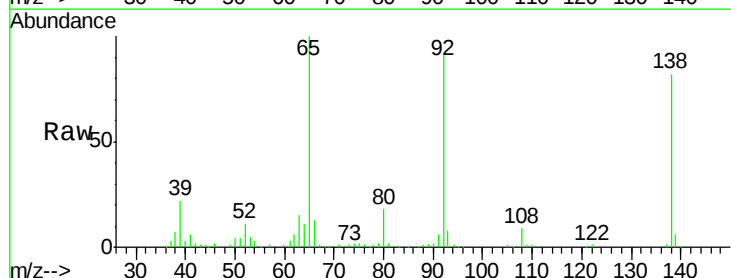
Tgt Ion:138 Resp: 95672

Ion Ratio Lower Upper

138 100

108 10.6 9.4 14.0

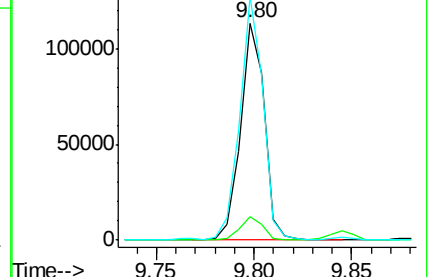
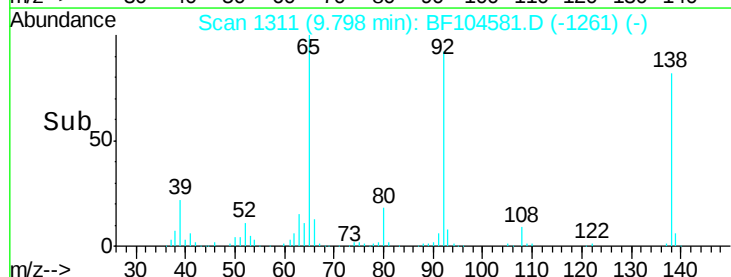
92 112.0 89.4 134.2



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1





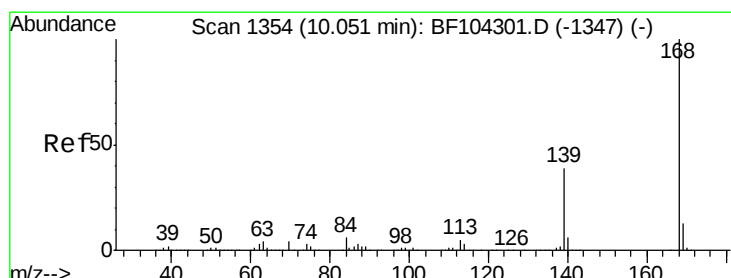
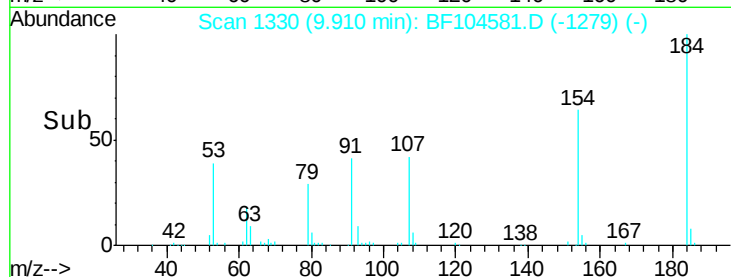
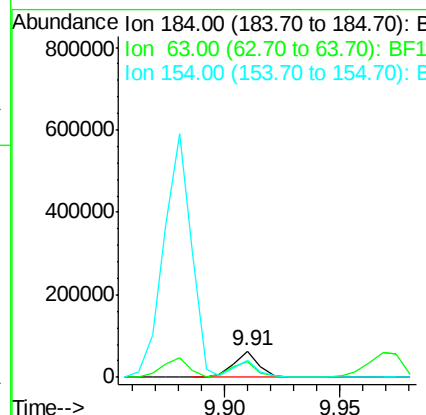
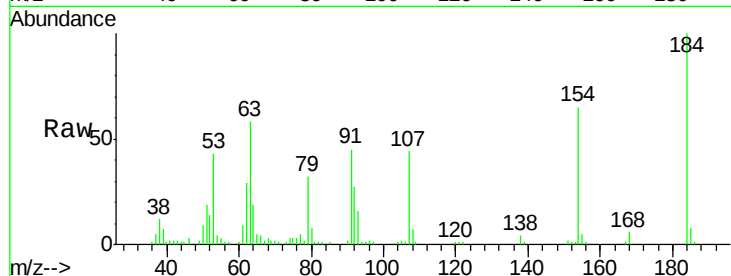
#53
 2,4-Dinitrophenol
 Concen: 46.322 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: BF104581.D
 Acq: 18 Apr 2018 00:08

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-005MSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	58.4	54.2	81.2
154	64.7	184.0	276.0#

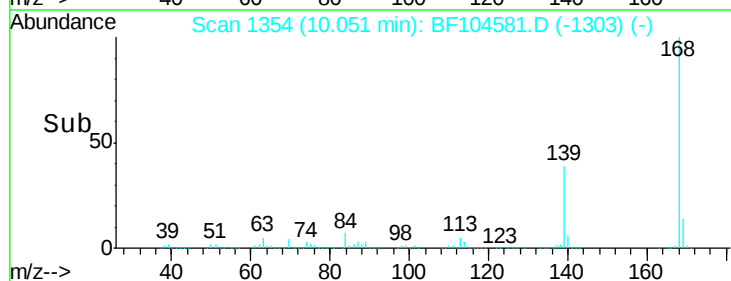
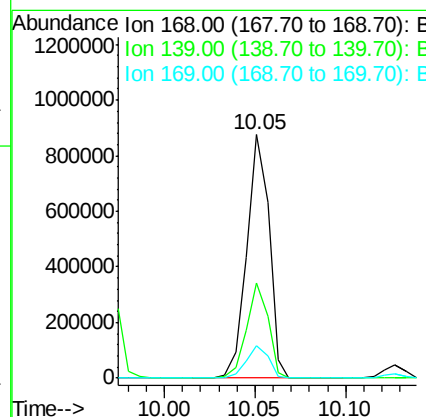
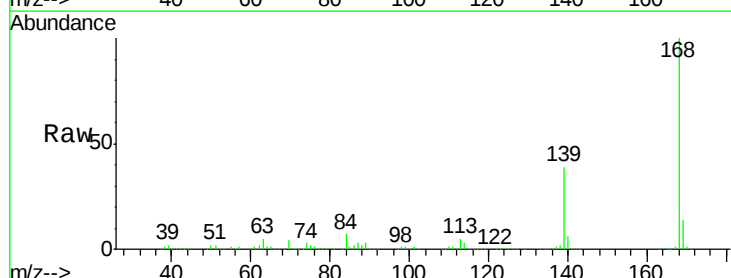
Manual Integrations
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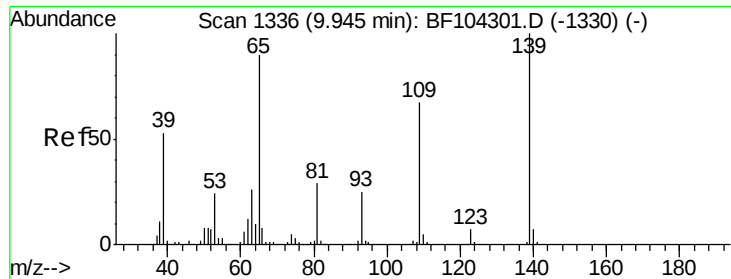
Sohil
 4/18/2018 3:01:16 PM



#54
 Dibenzofuran
 Concen: 37.391 ng
 RT: 10.05 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: BF104581.D
 Acq: 18 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.0	30.1	45.1
169	13.5	10.9	16.3





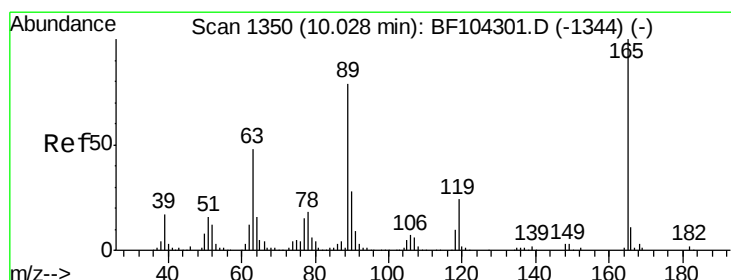
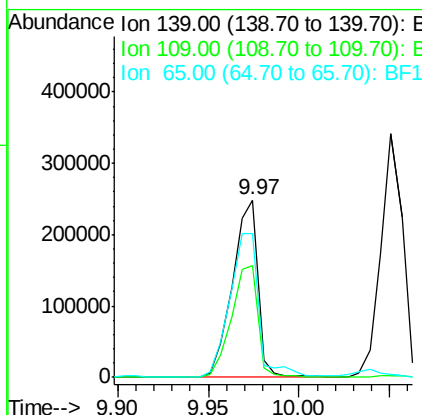
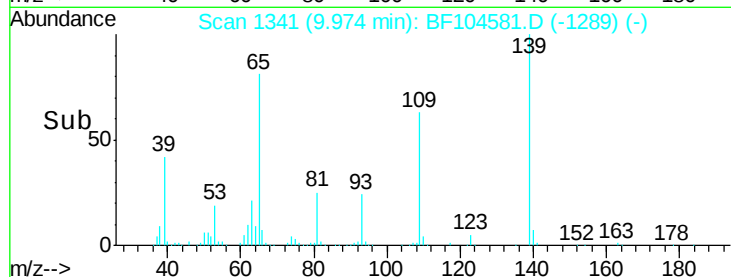
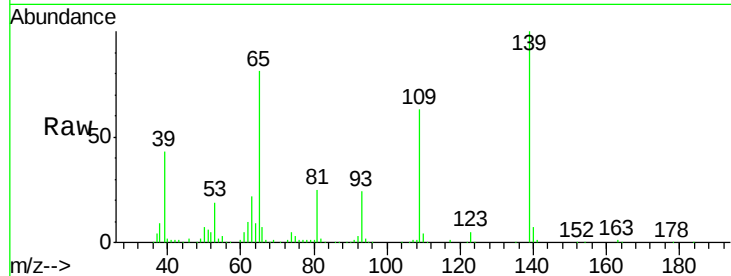
#55
4-Nitrophenol
Concen: 80.615 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.01 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MSD

Tot Ion	Ratio	Lower	Upper
139	100		
109	63.2	48.4	88.4
65	80.6	72.6	112.6

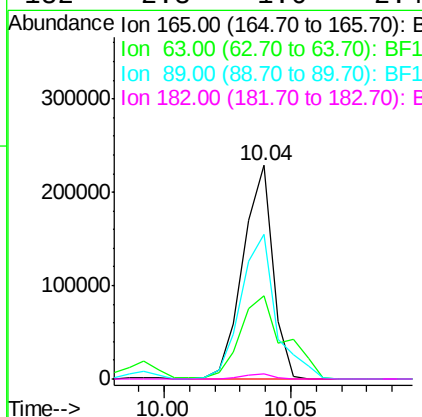
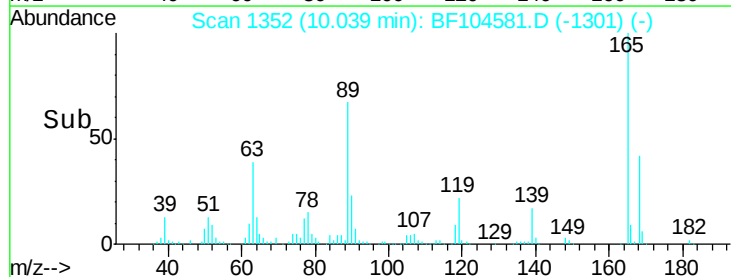
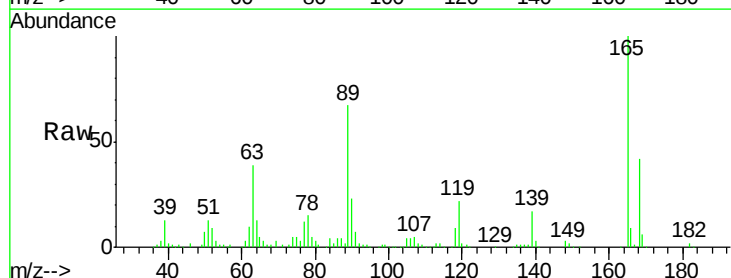
Manual Integrations
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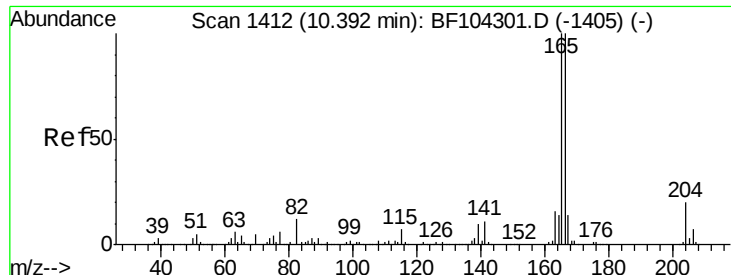
Sohil
4/18/2018 3:01:16 PM



#56
2,4-Dinitrotoluene
Concen: 43.591 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.00 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	39.3	36.4	54.6
89	67.5	57.8	86.6
182	2.3	1.6	2.4





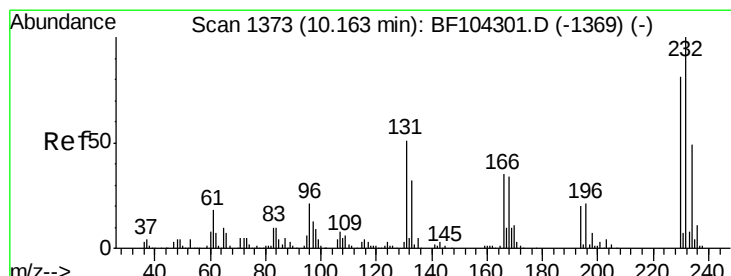
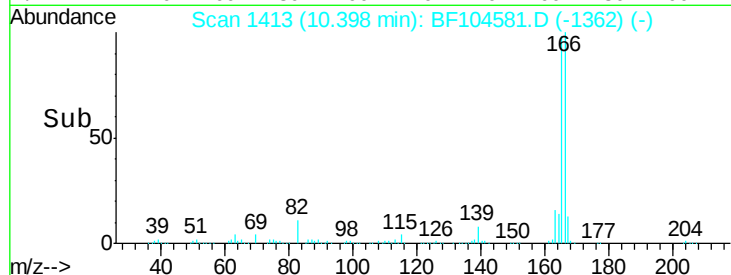
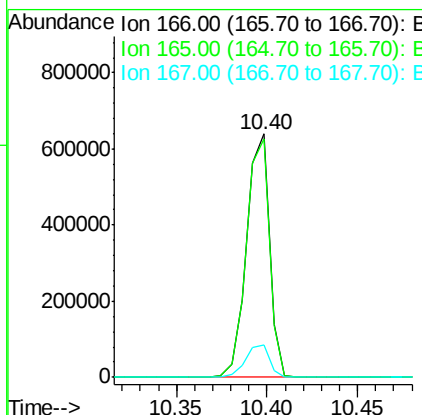
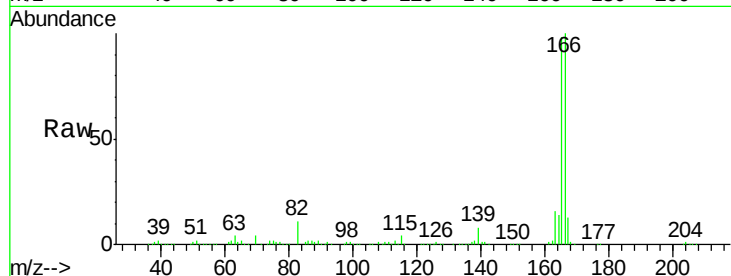
#57
Fluorene
 Concen: 38.630 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: BF104581.D
 Acq: 18 Apr 2018 00:08

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-005MSD

Tot Ion	Ratio	Resp	Lower	Upper
166	100	562547		
165	98.0		79.8	119.8
167	13.1		10.6	16.0

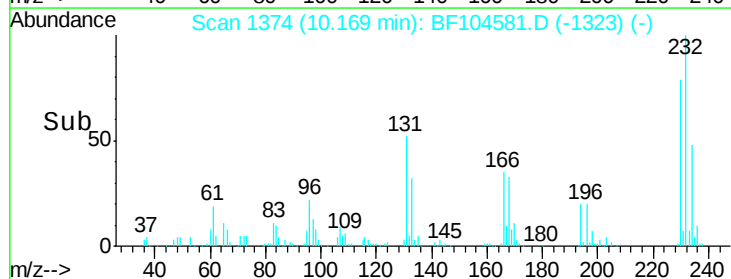
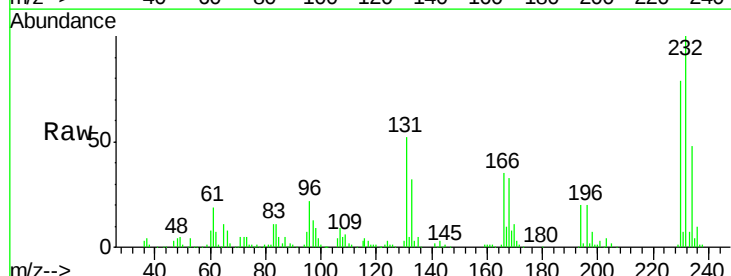
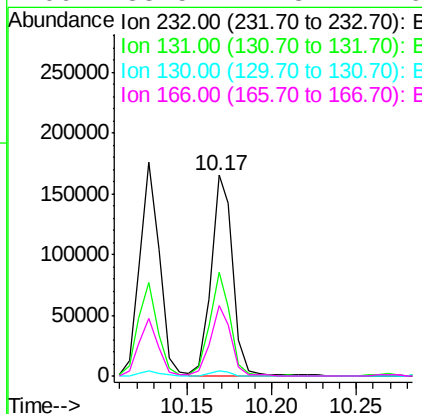
Manual Integrations
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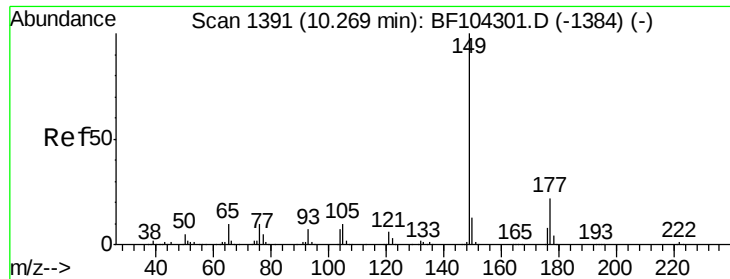
Sohil
 4/18/2018 3:01:16 PM



#58
2,3,4,6-Tetrachlorophenol
 Concen: 39.331 ng
 RT: 10.17 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: BF104581.D
 Acq: 18 Apr 2018 00:08

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	147471		
131	48.5		43.8	65.8
130	2.3		2.1	3.1
166	33.5		27.8	41.6





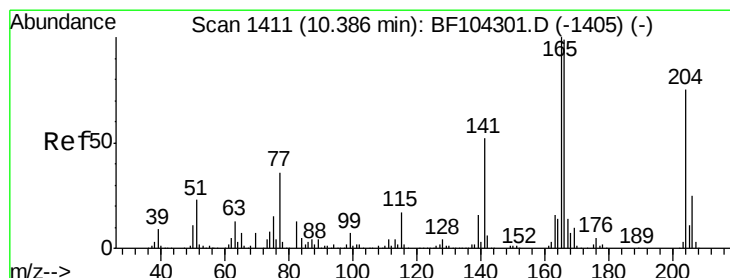
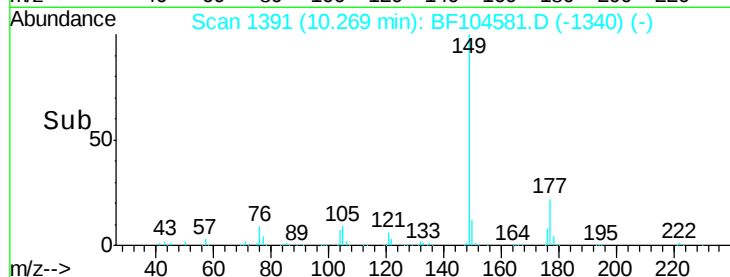
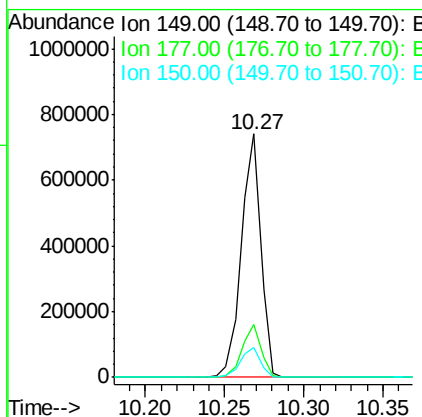
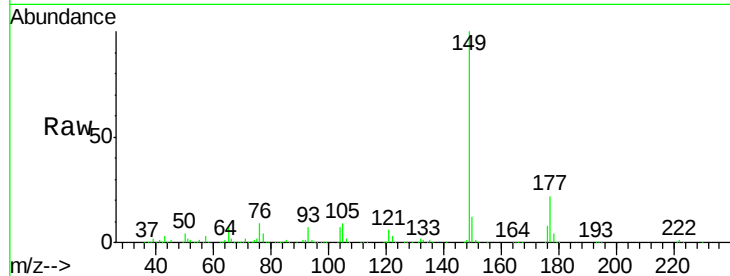
#59
Diethylphthalate
Concen: 35.474 ng
RT: 10.27 min Scan# 1391
Delta R.T. -0.00 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MSD

Tot Ion	Ratio	Lower	Upper
149	100		
177	21.9	16.1	24.1
150	12.2	10.1	15.1

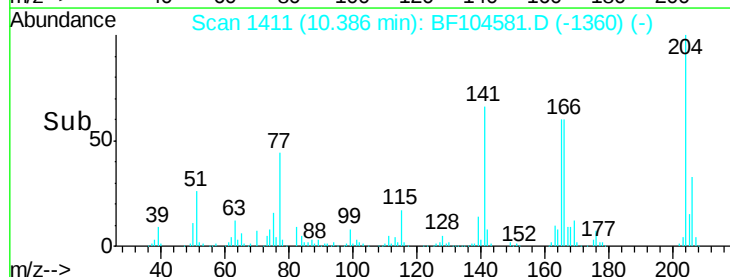
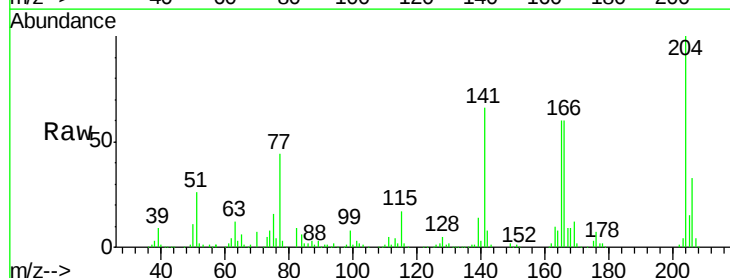
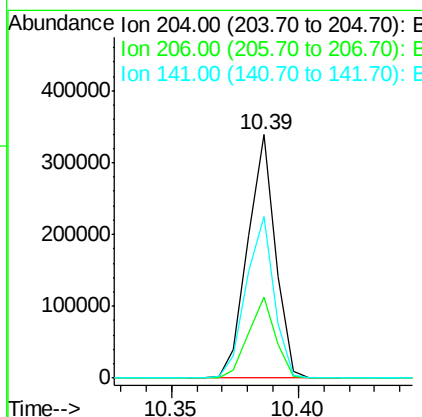
Manual Integrations
APPROVED

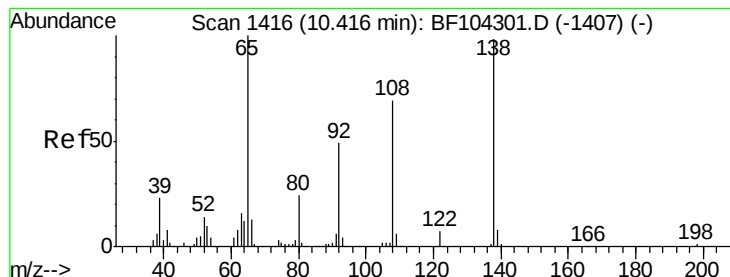
Sohil
4/18/2018 3:01:16 PM



#60
4-Chlorophenyl-phenylether
Concen: 39.790 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.00 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.5	39.7
141	66.2	54.6	81.8





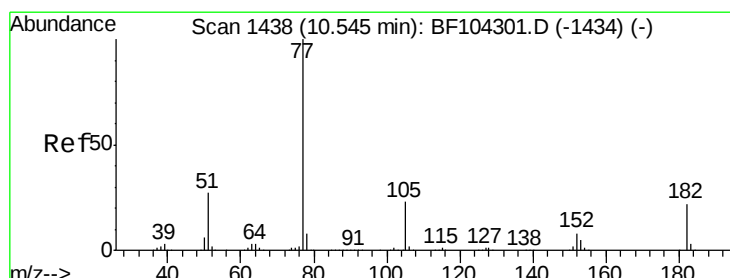
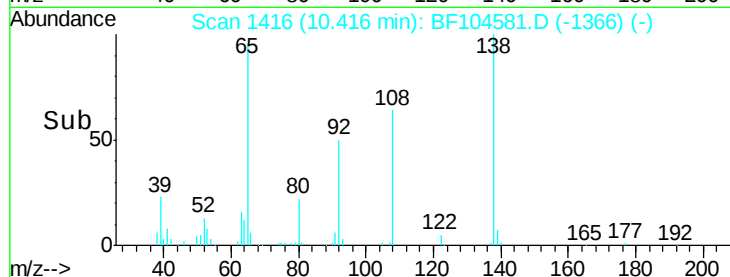
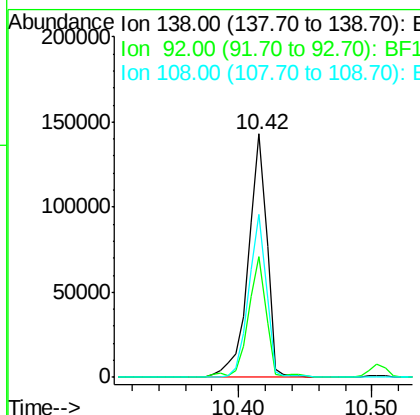
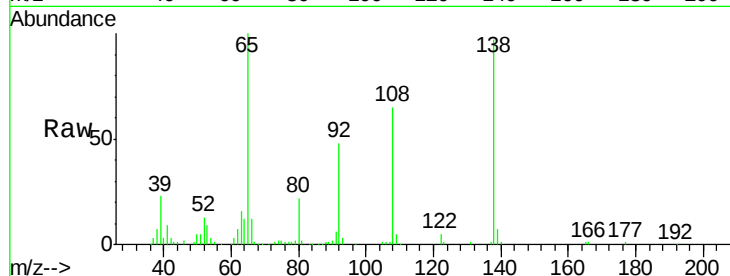
#61
4-Nitroaniline
Concen: 35.939 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.01 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MSD

Tot Ion	Ratio	Resp	Lower	Upper
138	100	135669		
92	49.6	30.2	70.2	
108	66.7	52.5	92.5	

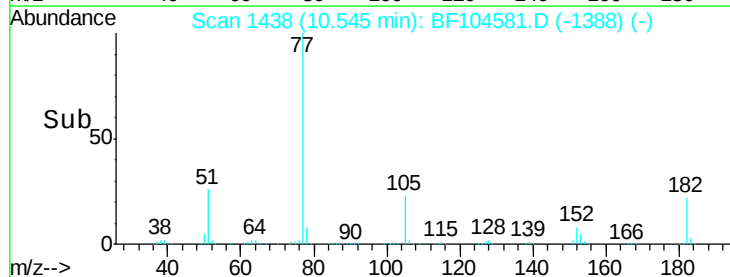
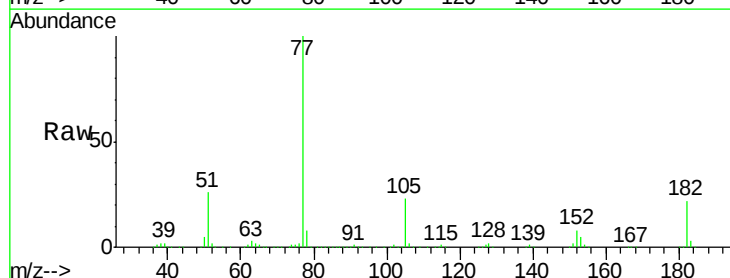
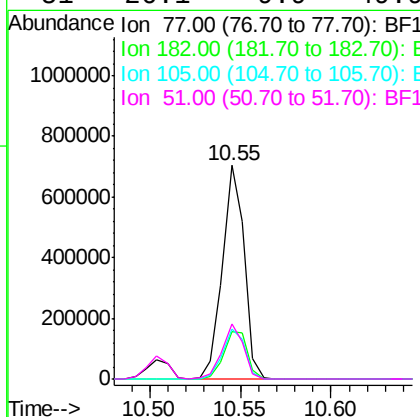
Manual Integrations
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#62
Azobenzene
Concen: 34.717 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	588736		
182	22.3	1.7	41.7	
105	23.3	3.0	43.0	
51	26.1	9.9	49.9	





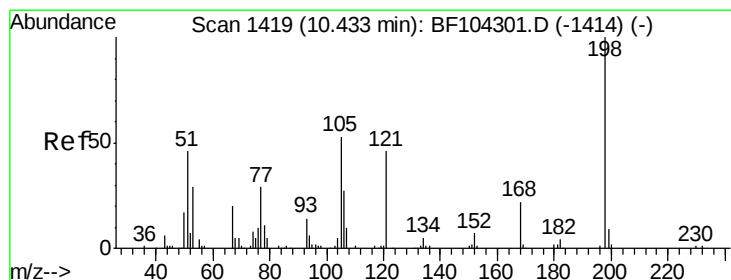
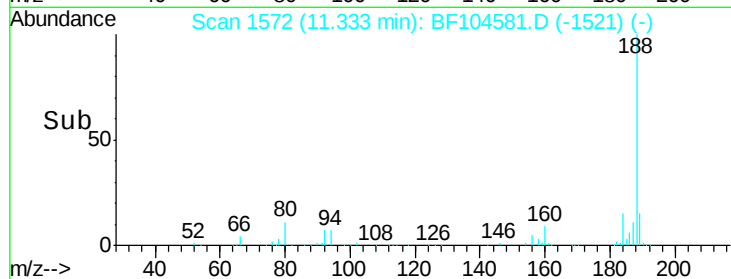
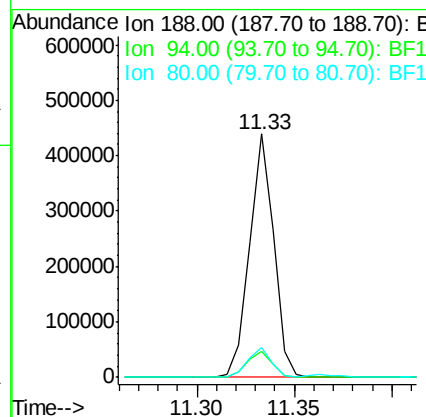
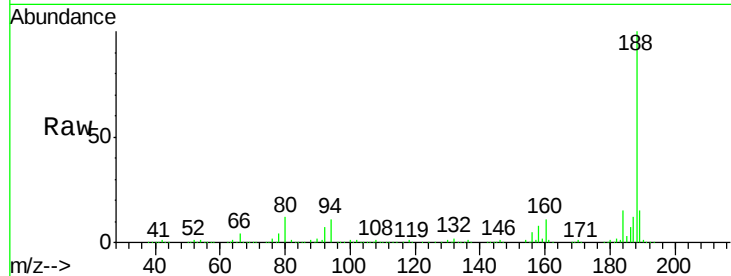
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF104581.D
 Acq: 18 Apr 2018 00:08

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-005MSD

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.8	8.5	12.7
80	12.0	9.2	13.8

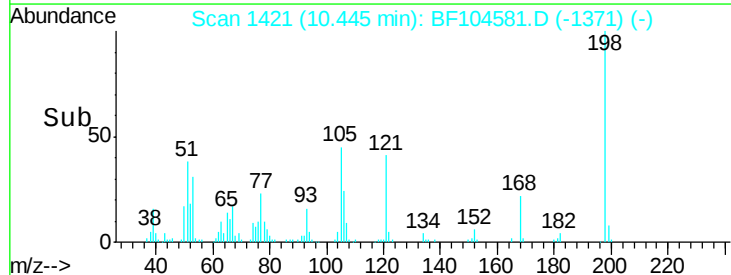
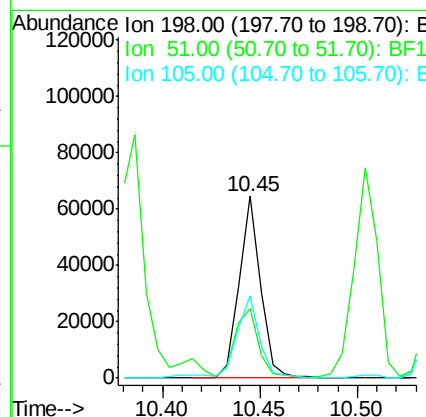
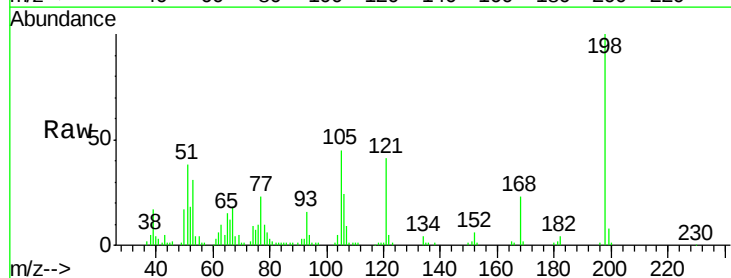
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#64
 4,6-Dinitro-2-methylphenol
 Concen: 30.142 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.01 min
 Lab File: BF104581.D
 Acq: 18 Apr 2018 00:08

Tgt Ion	Ratio	Resp Lower	Upper
198	100		
51	38.4	37.7	77.7
105	45.3	36.3	76.3





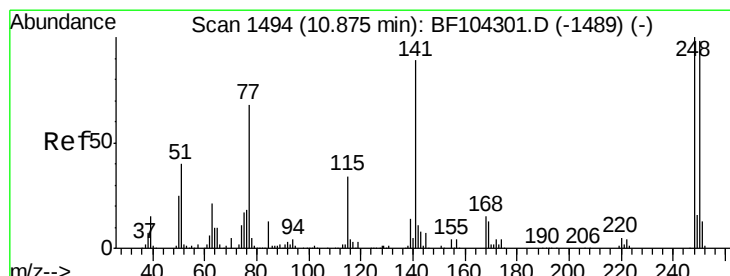
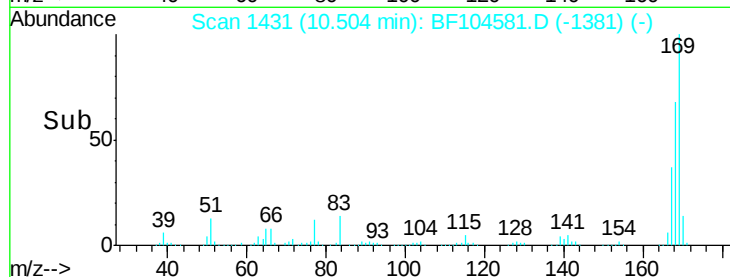
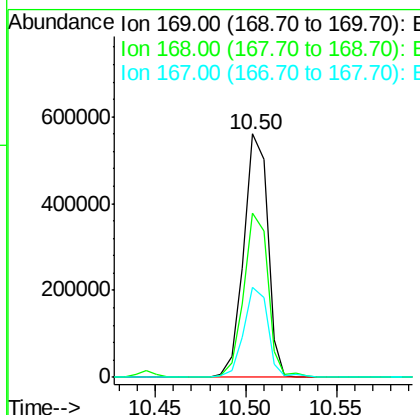
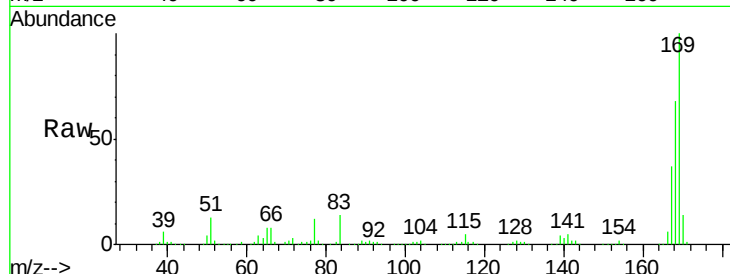
#65
 n-Nitrosodiphenylamine
 Concen: 39.470 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BF104581.D
 Acq: 18 Apr 2018 00:08

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-005MSD

Tot Ion	Ratio	Resp	Lower	Upper
169	100	516223		
168	67.6		54.4	81.6
167	37.0		29.8	44.6

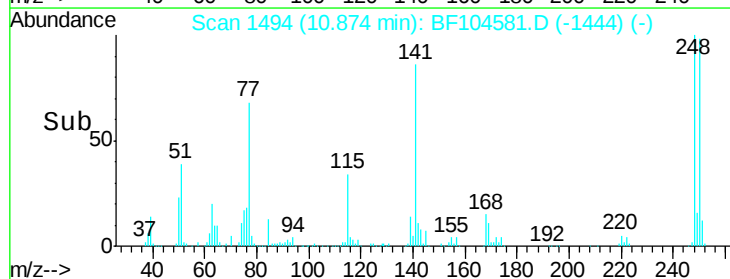
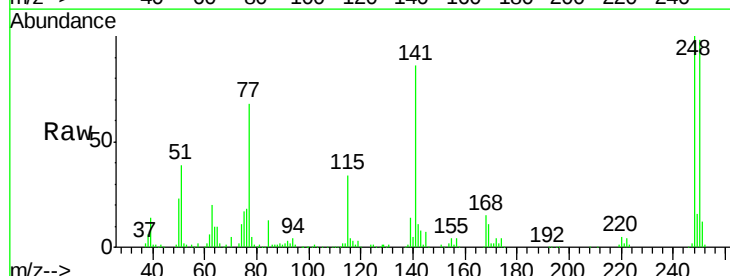
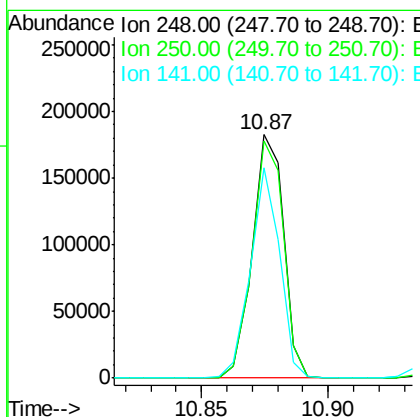
Manual Integrations
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#66
 4-Bromophenyl-phenylether
 Concen: 39.504 ng
 RT: 10.87 min Scan# 1494
 Delta R.T. -0.01 min
 Lab File: BF104581.D
 Acq: 18 Apr 2018 00:08

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	158503		
250	97.5		76.9	115.3
141	86.4		74.4	111.6





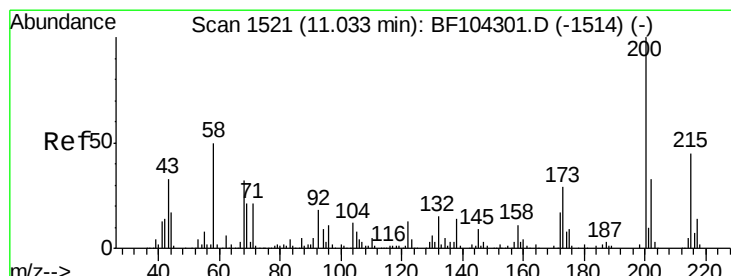
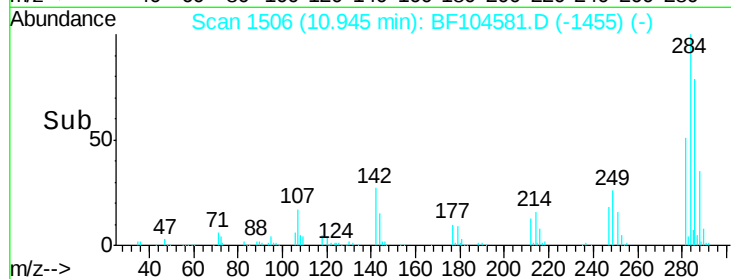
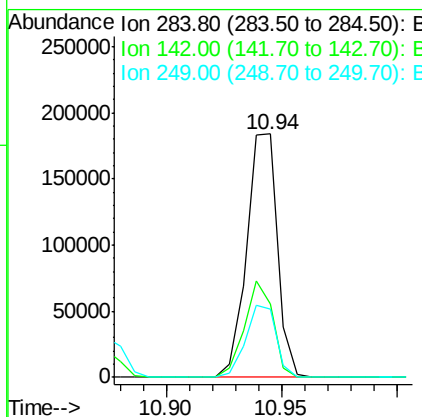
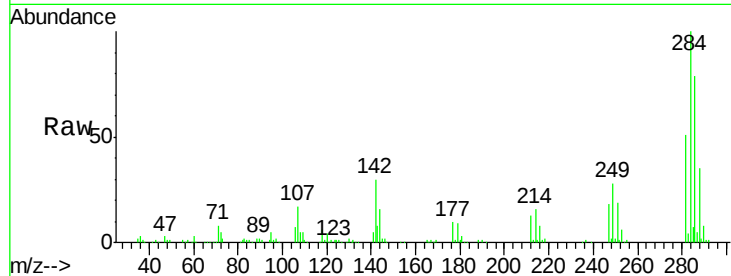
#67
Hexachlorobenzene
Concen: 38.101 ng
RT: 10.94 min Scan# 1506
Delta R.T. -0.00 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100	172015		
142	30.0	34.6	52.0	
249	27.8	24.8	37.2	

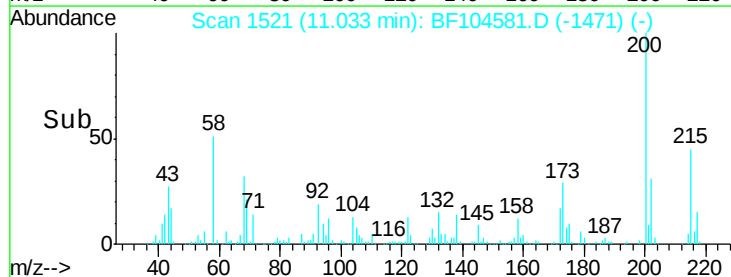
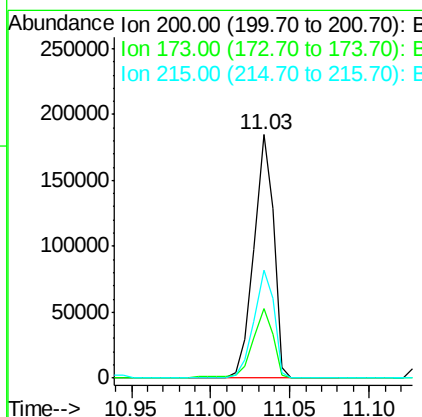
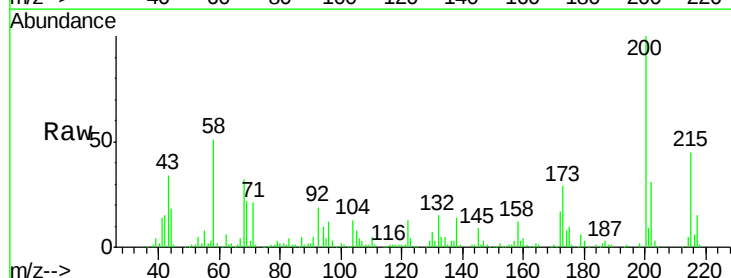
Manual Integrations
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#68
Atrazine
Concen: 40.724 ng
RT: 11.03 min Scan# 1521
Delta R.T. -0.01 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	160772		
173	28.6	8.6	48.6	
215	44.5	25.1	65.1	





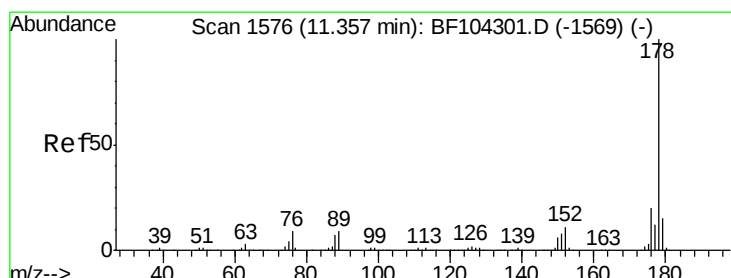
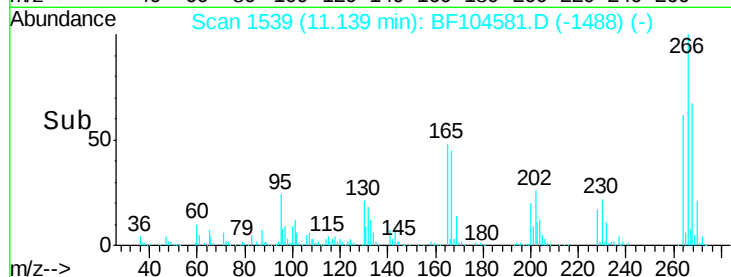
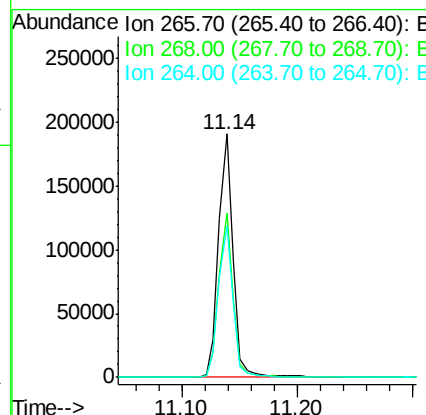
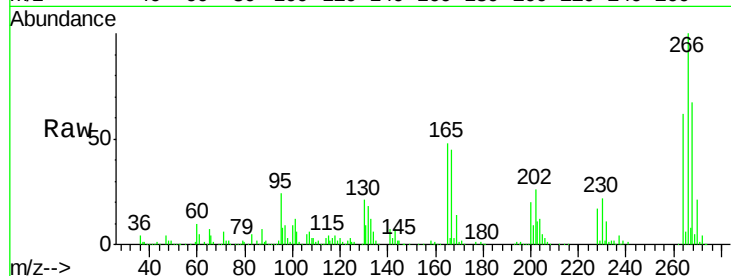
#69
 Pentachlorophenol
 Concen: 59.966 ng
 RT: 11.14 min Scan# 1539
 Delta R.T. -0.00 min
 Lab File: BF104581.D
 Acq: 18 Apr 2018 00:08

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-005MSD

Tot Ion	Ratio	Lower	Upper
266	100		
268	67.2	51.1	76.7
264	62.2	49.5	74.3

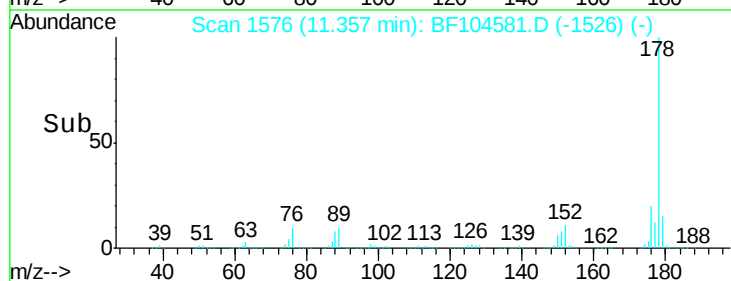
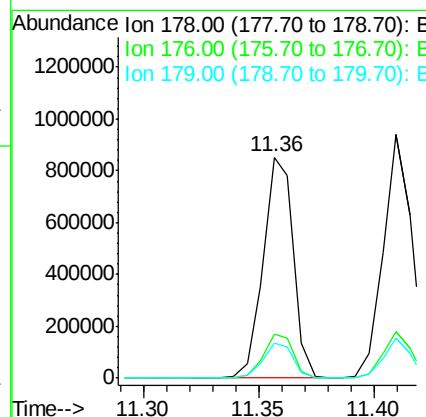
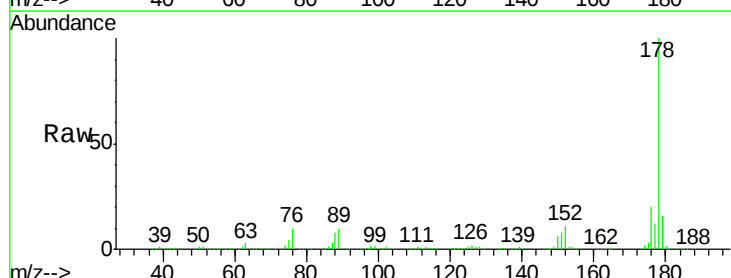
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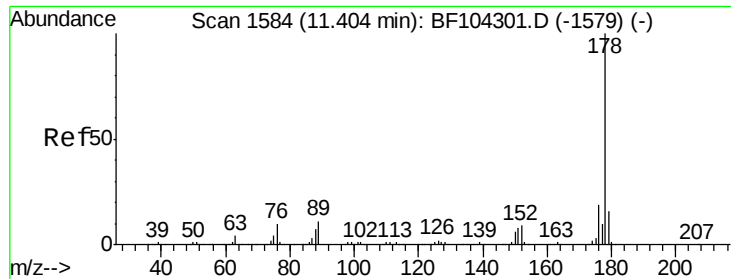
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#70
 Phenanthrene
 Concen: 36.926 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF104581.D
 Acq: 18 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.8	13.0	19.6





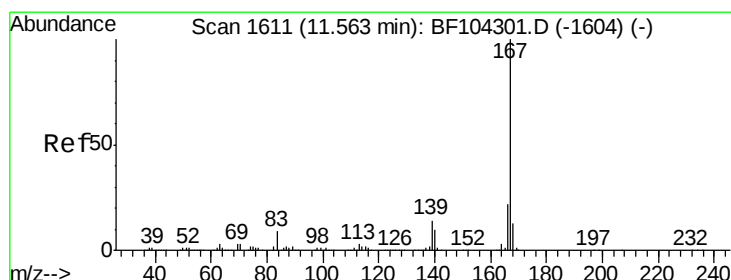
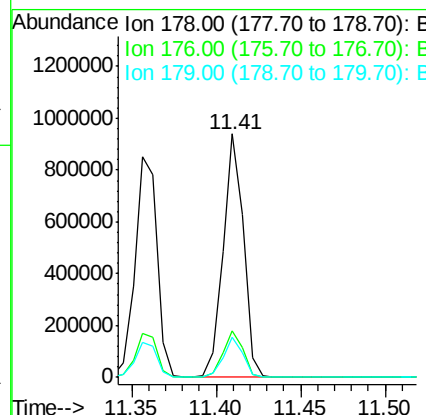
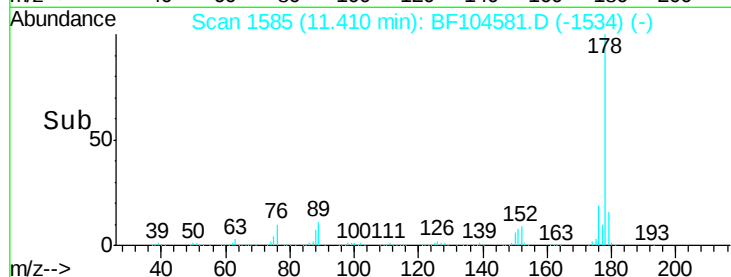
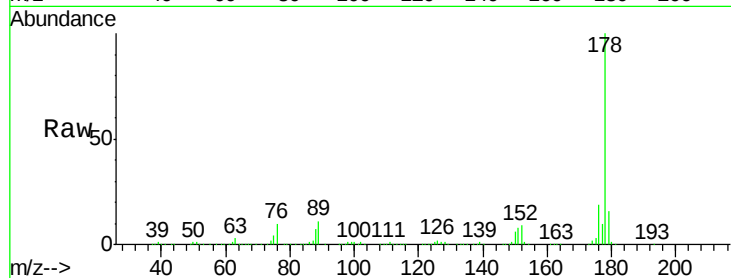
#71
 Anthracene
 Concen: 37.232 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: BF104581.D
 Acq: 18 Apr 2018 00:08

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-005MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	16.4	12.6	19.0

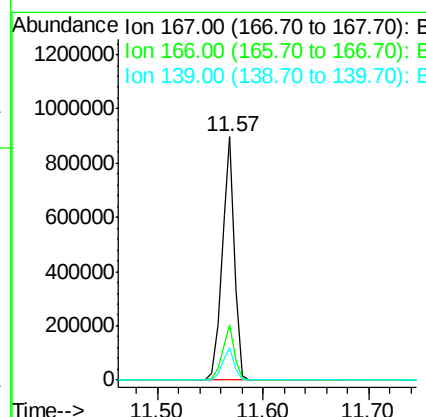
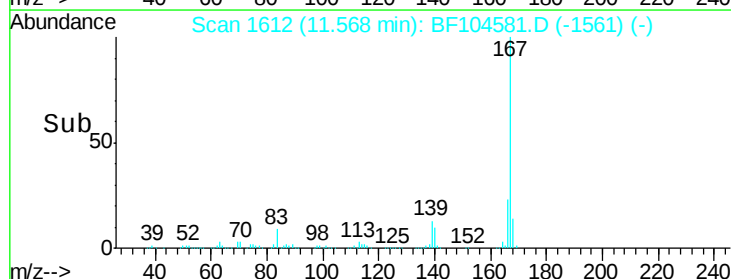
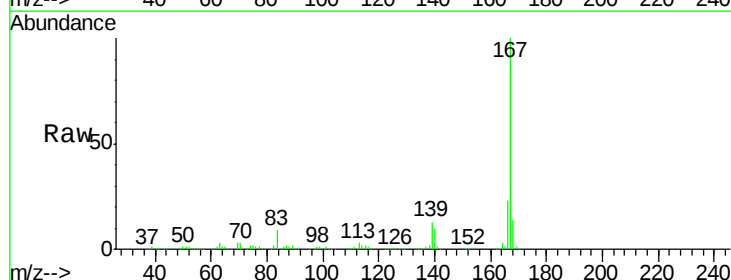
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#72
 Carbazole
 Concen: 35.500 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: BF104581.D
 Acq: 18 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.6	26.4
139	13.3	10.9	16.3





#73

Di-n-butylphthalate

Concen: 37.081 ng

RT: 11.89 min Scan# 1667

Delta R.T. -0.00 min

Lab File: BF104581.D

Acq: 18 Apr 2018 00:08

Instrument :

BNA_F

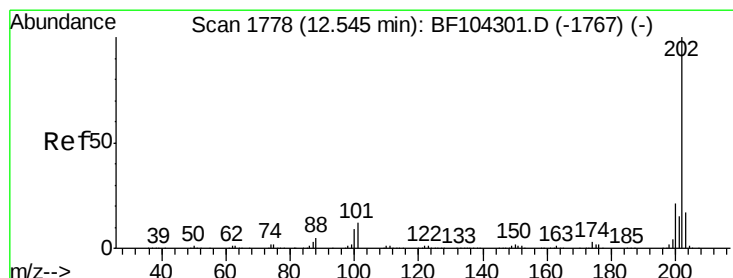
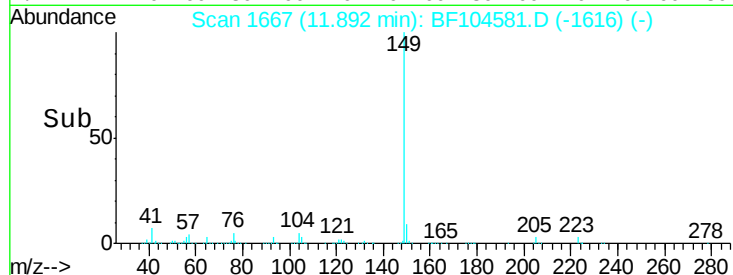
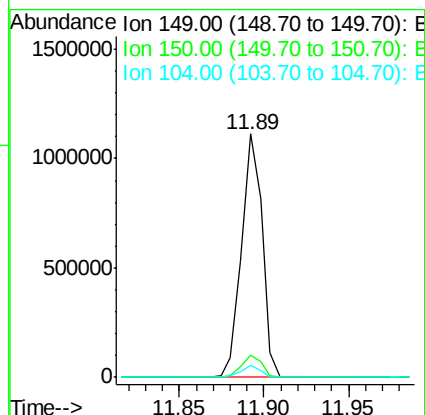
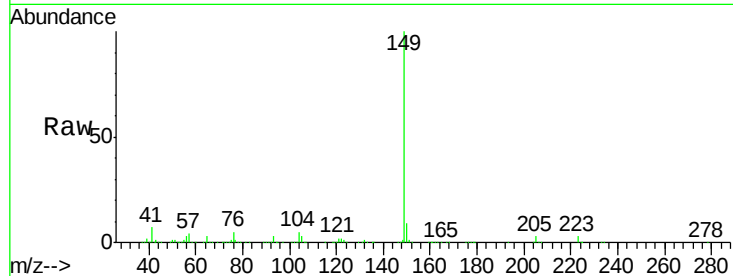
ClientSampleId :

NAA-WS-005MSD

Tot Ion:	149	Resp:	945158
Ion Ratio	Lower	Upper	
149	100		
150	9.2	7.8	11.6
104	5.1	3.8	5.8

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#74

Fluoranthene

Concen: 34.735 ng

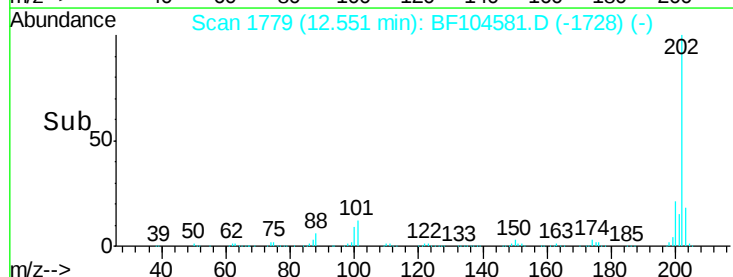
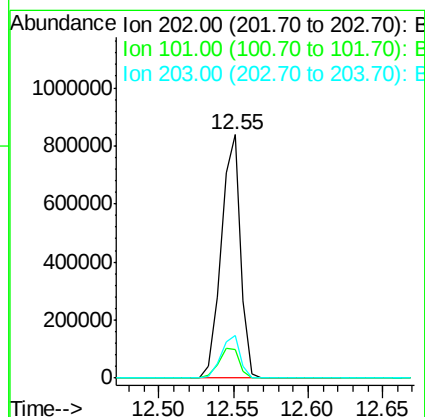
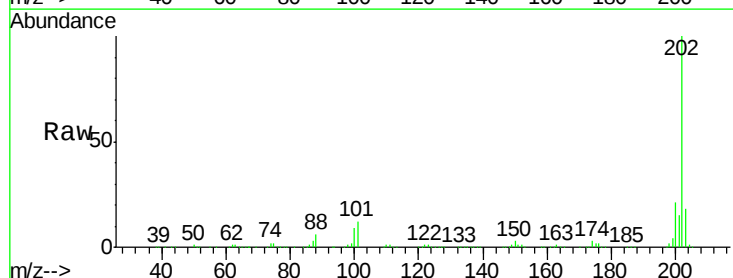
RT: 12.55 min Scan# 1779

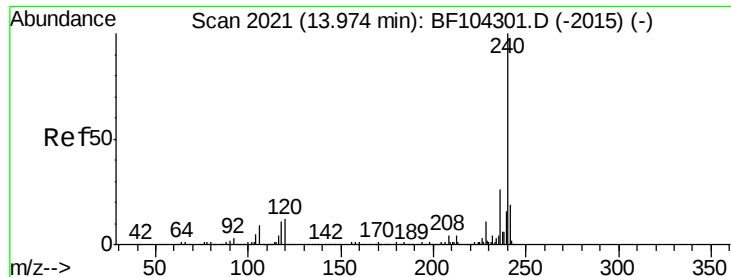
Delta R.T. -0.00 min

Lab File: BF104581.D

Acq: 18 Apr 2018 00:08

Tgt Ion:	202	Resp:	762364
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	34.1
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BF104581.D

Acq: 18 Apr 2018 00:08

Instrument :

BNA_F

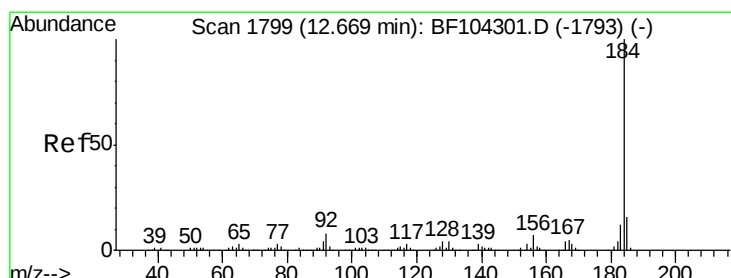
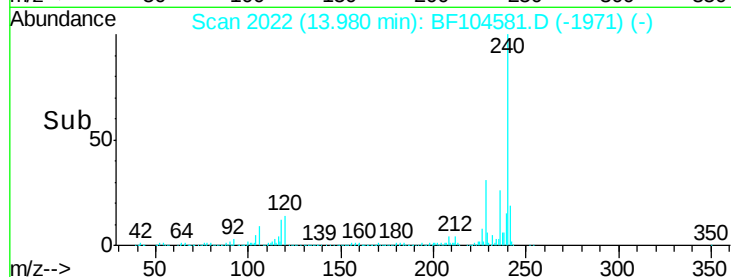
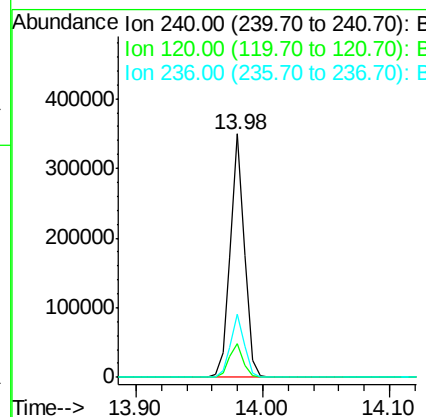
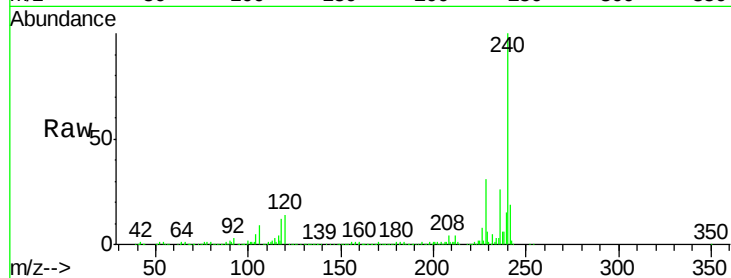
ClientSampleId :

NAA-WS-005MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.7	9.5	14.3
236	25.9	20.7	31.1

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#76

Benzidine

Concen: 56.784 ng

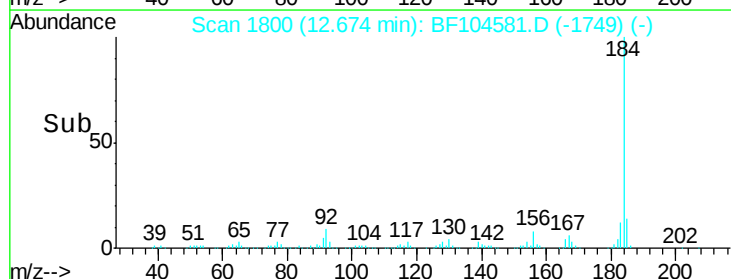
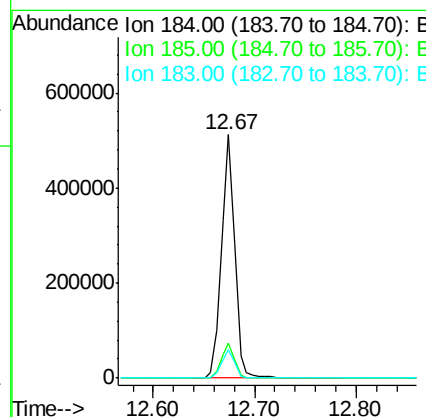
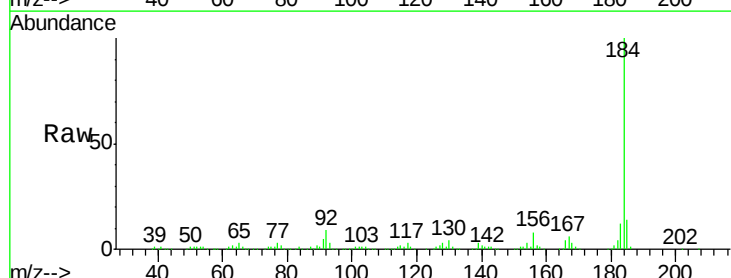
RT: 12.67 min Scan# 1800

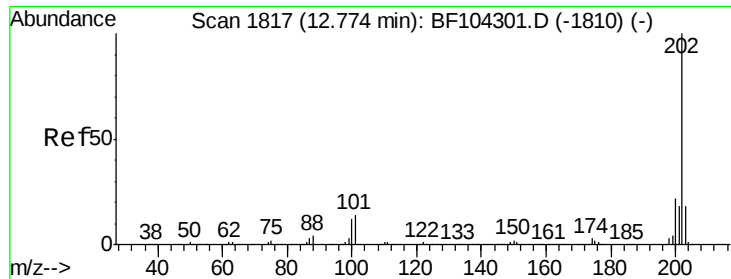
Delta R.T. -0.00 min

Lab File: BF104581.D

Acq: 18 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.3	12.6	18.8
183	11.8	9.3	13.9





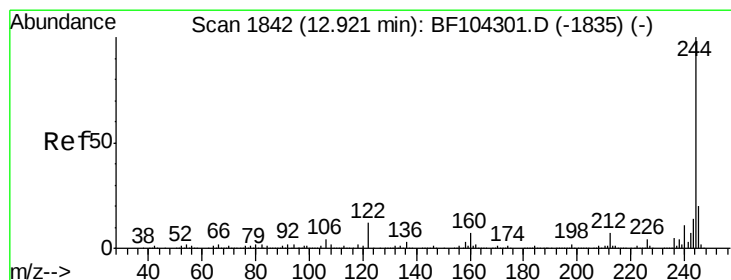
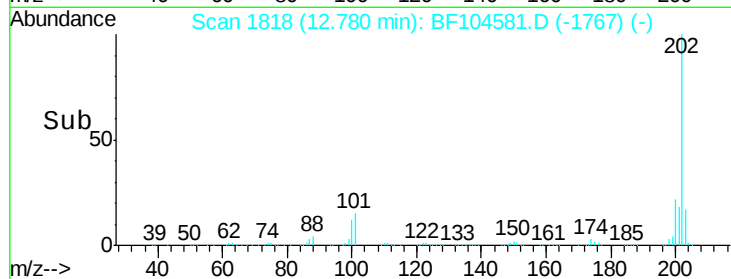
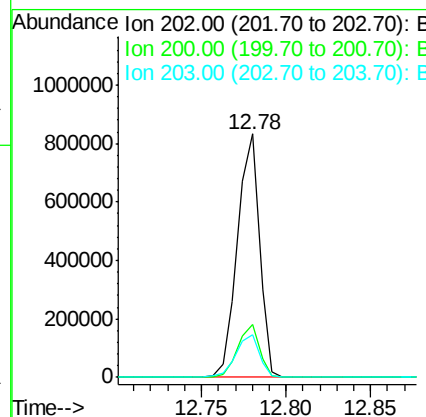
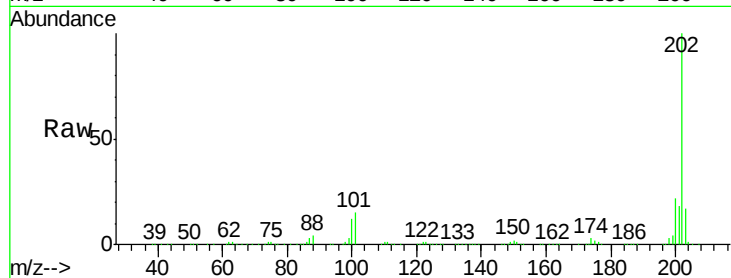
#77
Pvrene
Concen: 37.687 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.00 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.2
203	17.3	14.3	21.5

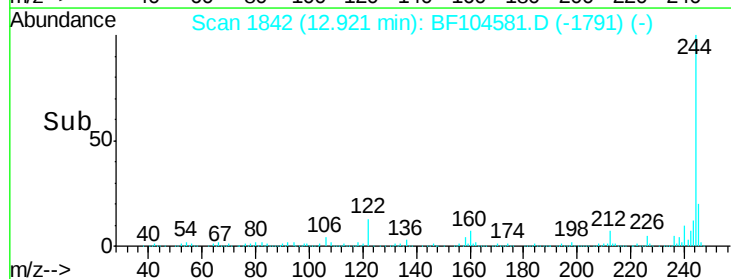
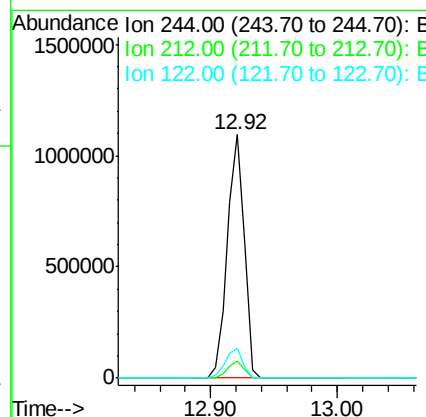
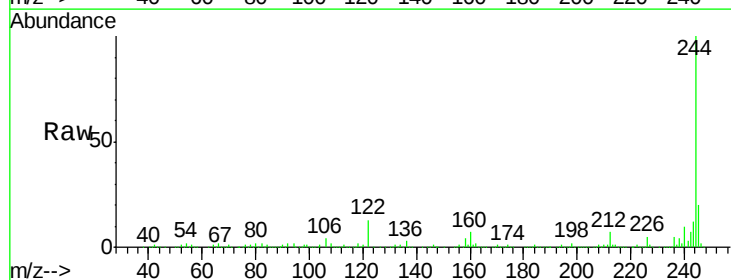
Manual Integrations
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#78
Terphenyl-d14
Concen: 85.269 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.00 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.5	11.0	16.4





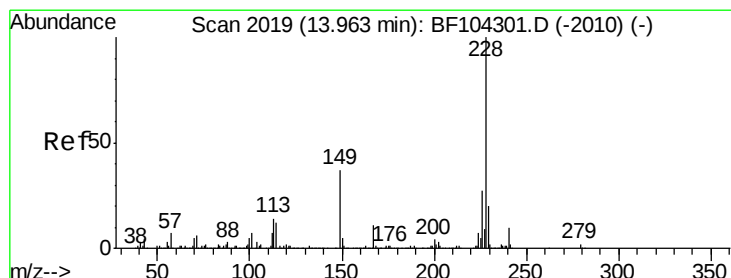
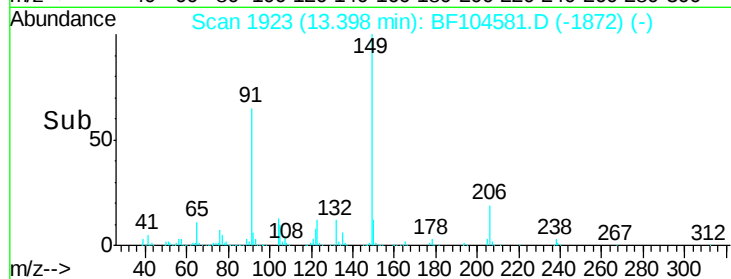
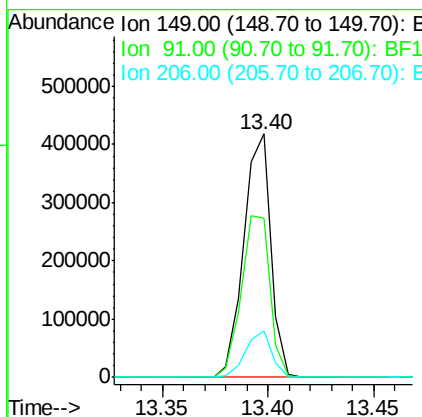
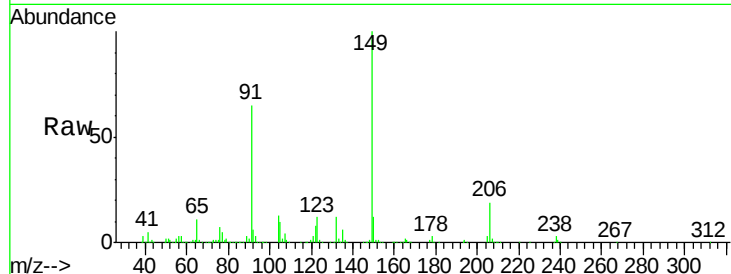
#79
Butylbenzylphthalate
Concen: 39.095 ng
RT: 13.40 min Scan# 1923
Delta R.T. -0.00 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	371098		
91	65.2	56.8	85.2	
206	18.9	14.1	21.1	

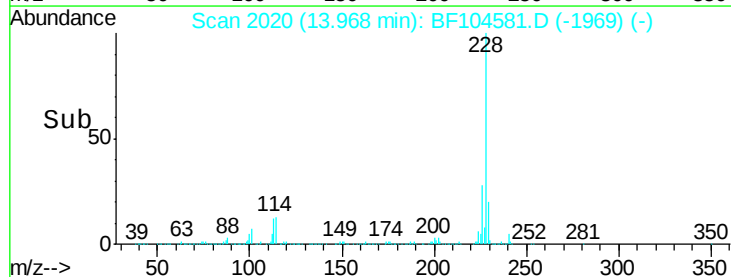
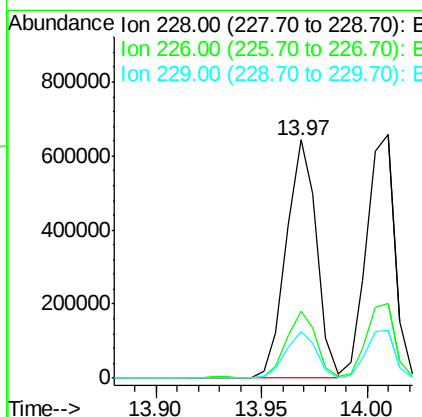
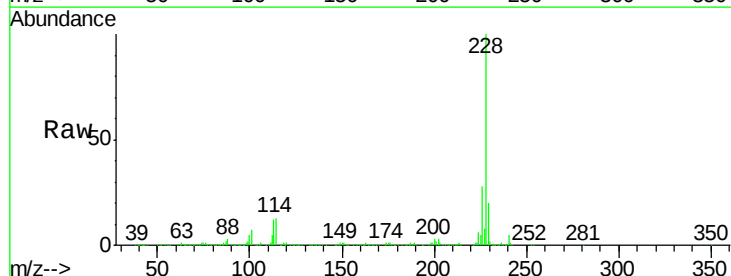
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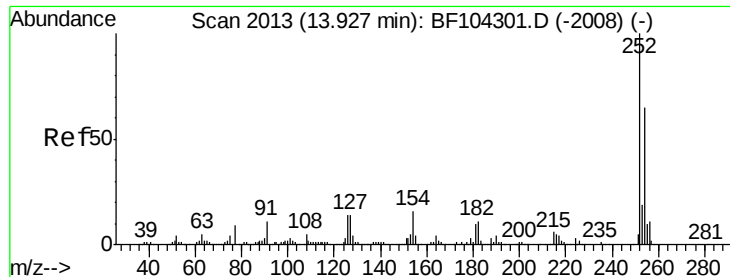
Sohil
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#80
Benzo(a)anthracene
Concen: 39.583 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.00 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	642787		
226	27.9	22.6	33.8	
229	19.8	15.8	23.6	





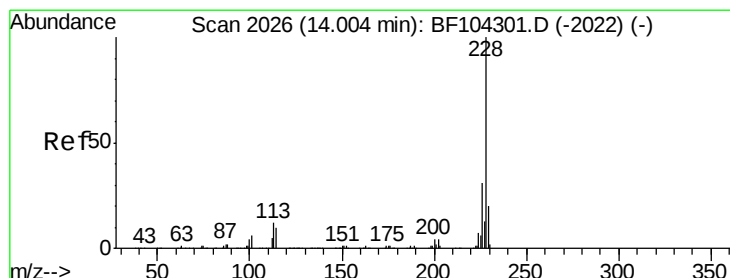
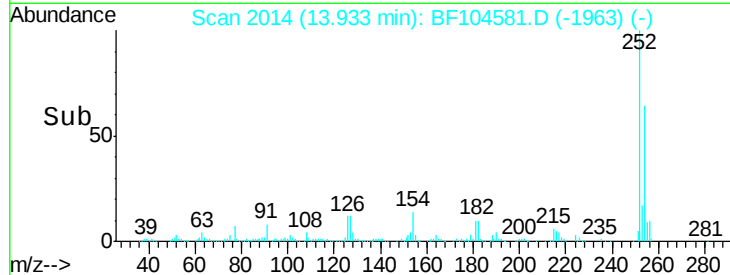
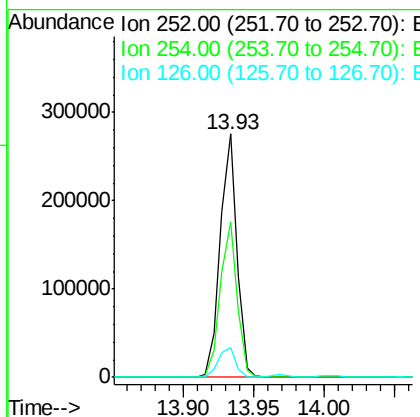
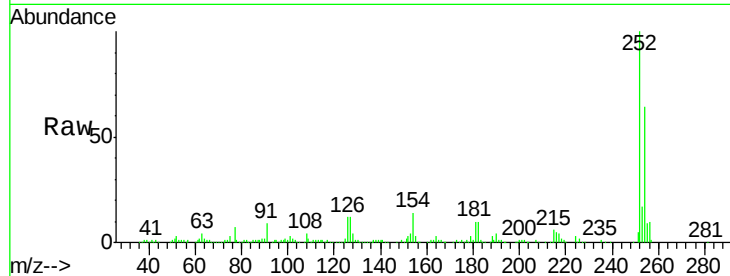
#81
 3,3'-Dichlorobenzidine
 Concen: 37.752 ng
 RT: 13.93 min Scan# 2014
 Delta R.T. -0.00 min
 Lab File: BF104581.D
 Acq: 18 Apr 2018 00:08

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-005MSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100	228581		
254	64.0		50.4	75.6
126	12.3		11.3	16.9

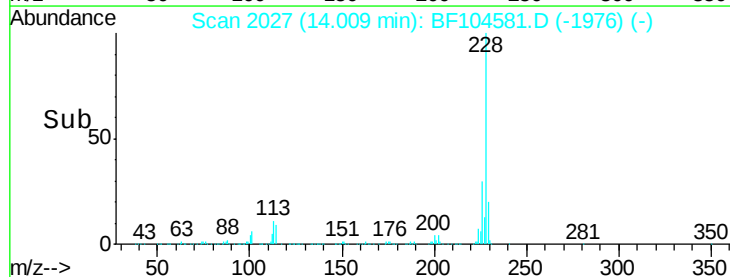
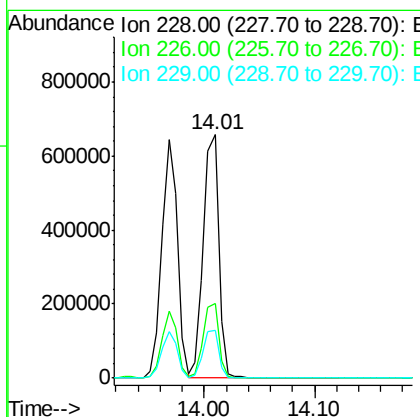
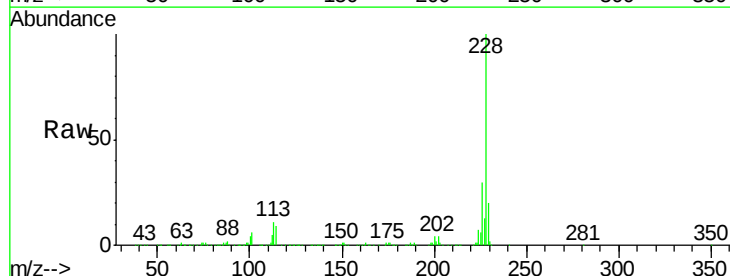
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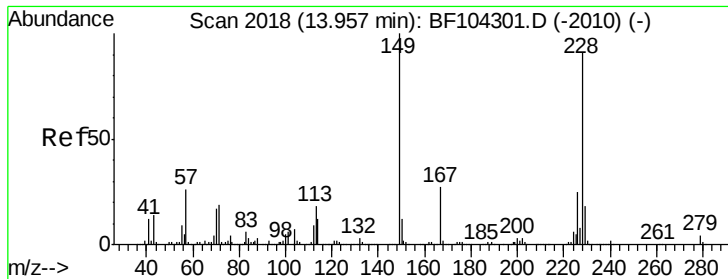
Sohil
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#82
 Chrysene
 Concen: 37.219 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.00 min
 Lab File: BF104581.D
 Acq: 18 Apr 2018 00:08

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	620809		
226	30.5		25.0	37.6
229	19.6		16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 41.814 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BF104581.D

Acq: 18 Apr 2018 00:08

Instrument :

BNA_F

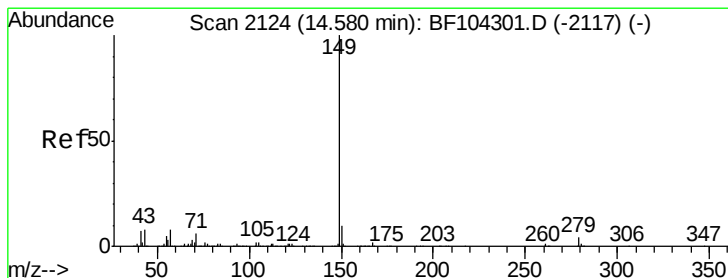
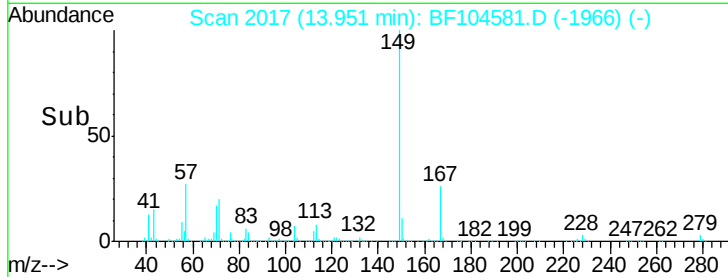
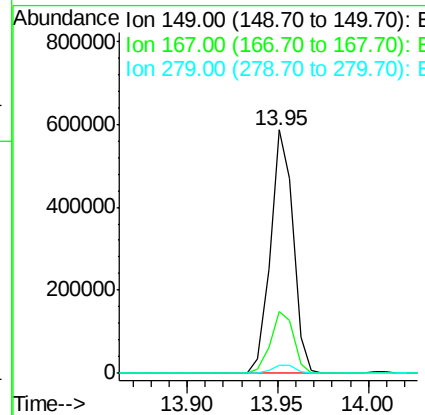
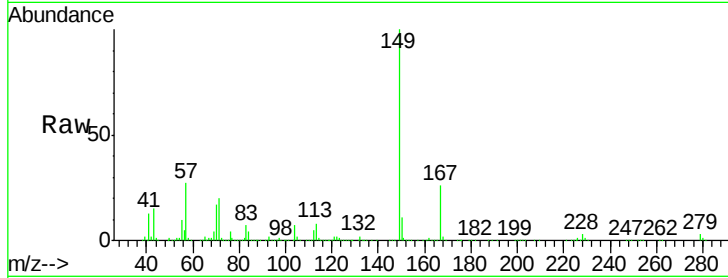
ClientSampleId :

NAA-WS-005MSD

Tot Ion:	149	Resp:	510529
Ion Ratio	Lower	Upper	
149	100		
167	25.6	21.3	31.9
279	3.1	3.0	4.4

Manual Integrations
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#84

Di-n-octyl phthalate

Concen: 40.780 ng

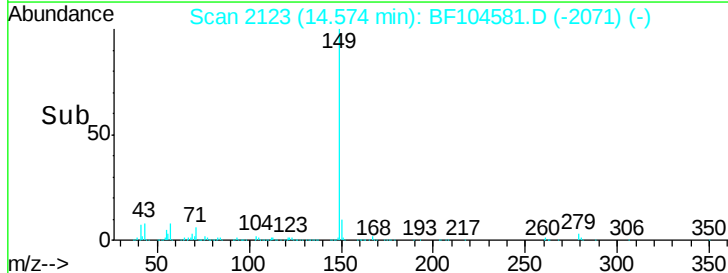
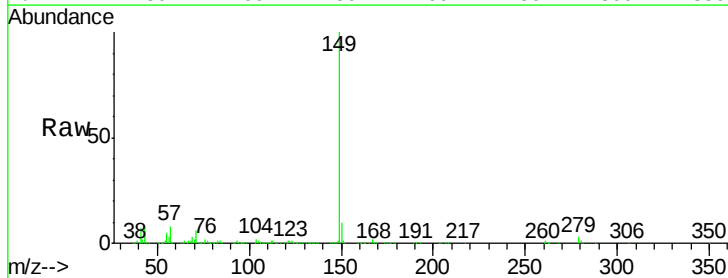
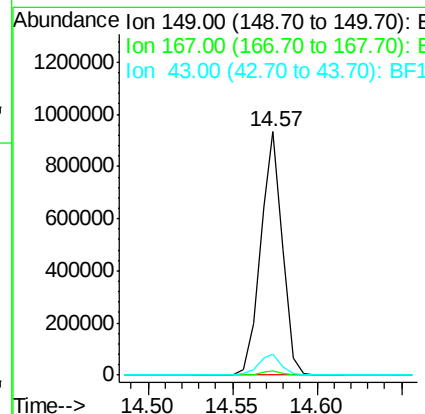
RT: 14.57 min Scan# 2123

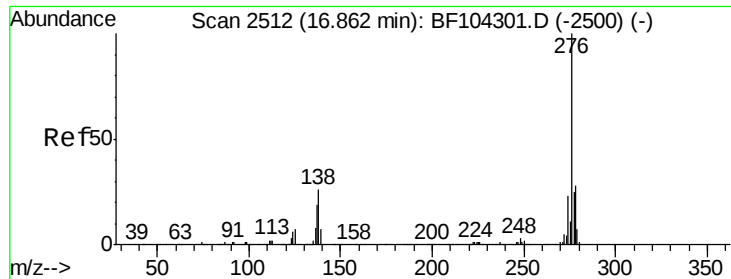
Delta R.T. 0.01 min

Lab File: BF104581.D

Acq: 18 Apr 2018 00:08

Tgt Ion:	149	Resp:	831950
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.2	1.8
43	8.8	8.4	12.6





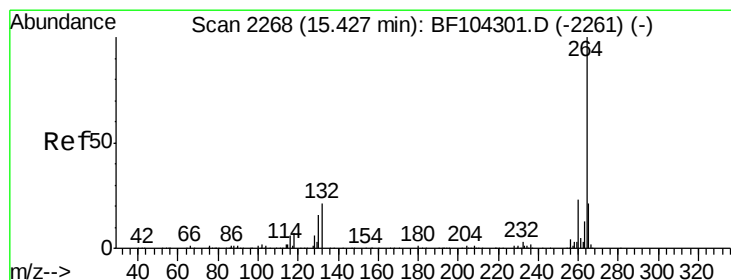
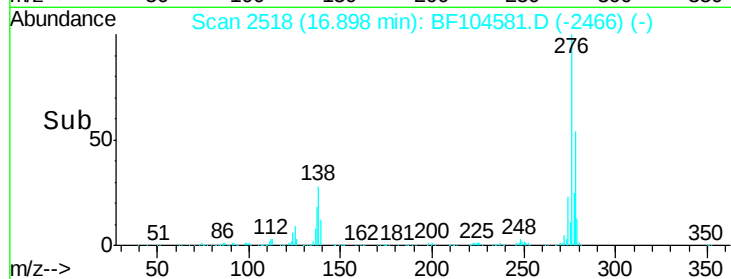
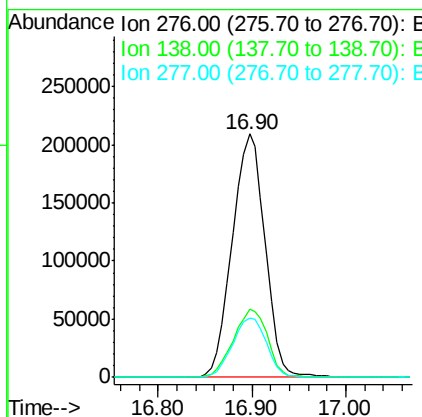
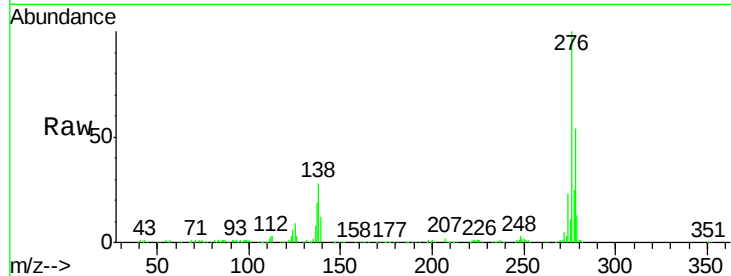
#85
Indeno(1,2,3-cd)pyrene
Concen: 35.781 ng
RT: 16.90 min Scan# 2518
Delta R.T. 0.01 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.4	25.0	37.6
277	25.4	20.1	30.1

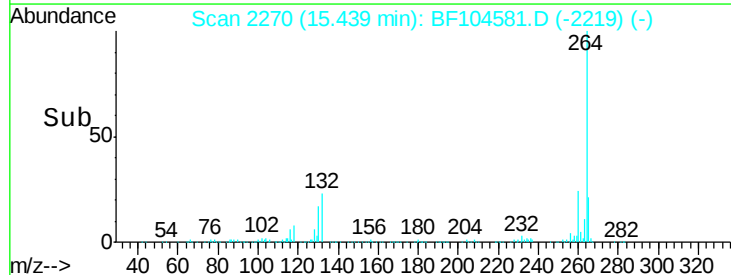
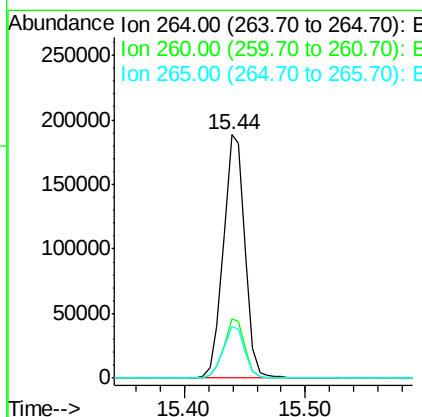
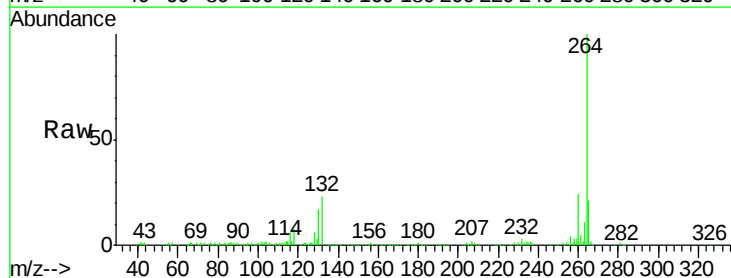
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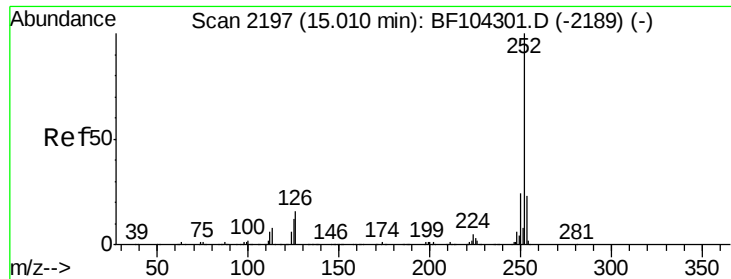
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 39.067 ng

RT: 15.02 min Scan# 2199

Delta R.T. 0.01 min

Lab File: BF104581.D

Acq: 18 Apr 2018 00:08

Instrument :

BNA_F

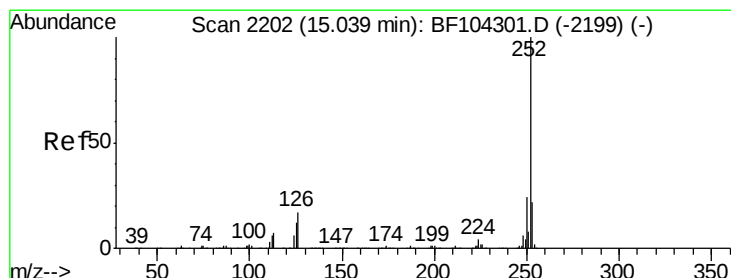
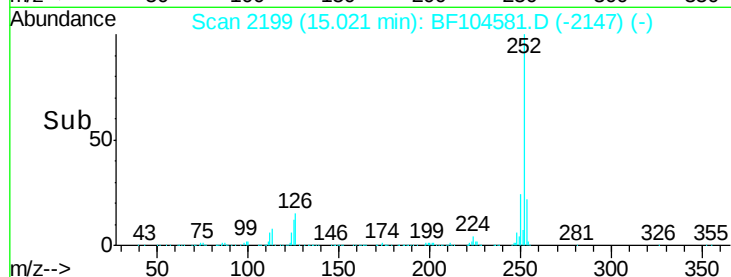
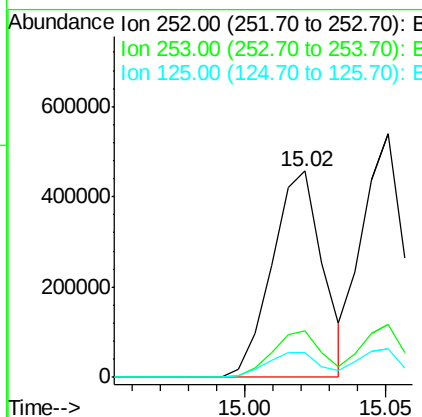
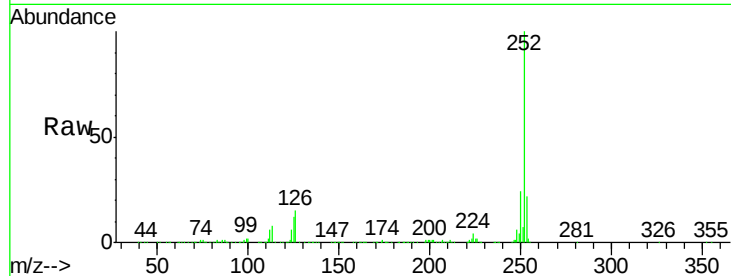
ClientSampleId :

NAA-WS-005MSD

Tot Ion:	252	Resp:	570765
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.0	25.6
125	11.8	9.0	13.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 39.524 ng

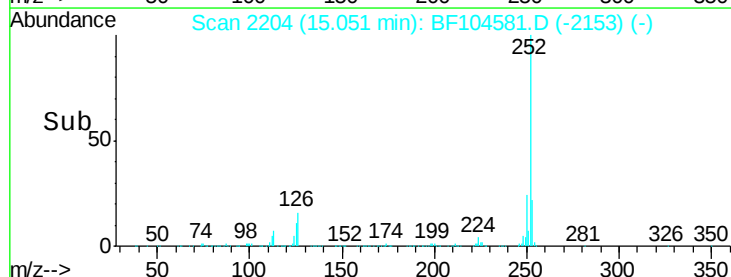
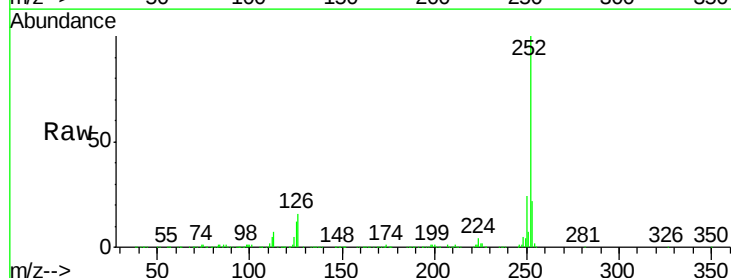
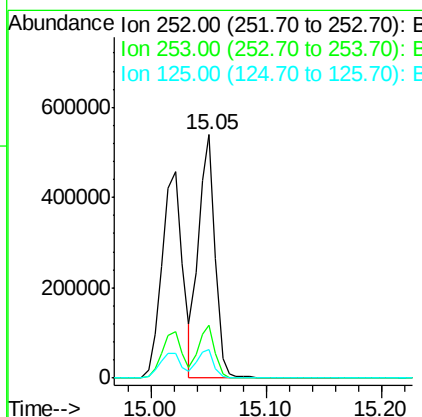
RT: 15.05 min Scan# 2204

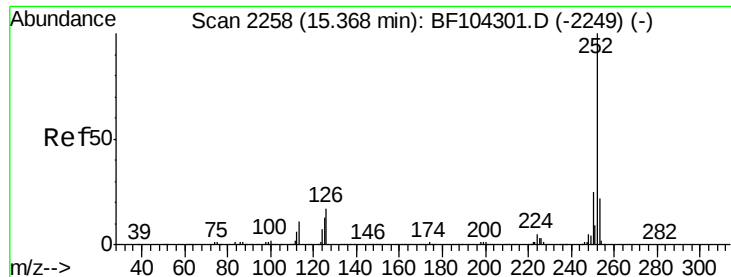
Delta R.T. -0.00 min

Lab File: BF104581.D

Acq: 18 Apr 2018 00:08

Tgt Ion:	252	Resp:	545157
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.9	26.9
125	11.6	10.2	15.2





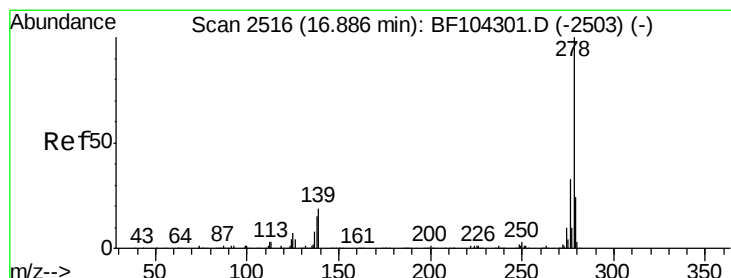
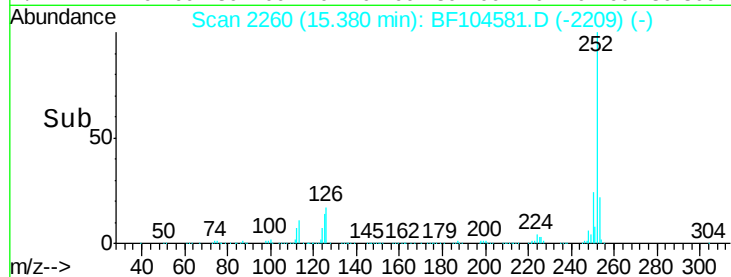
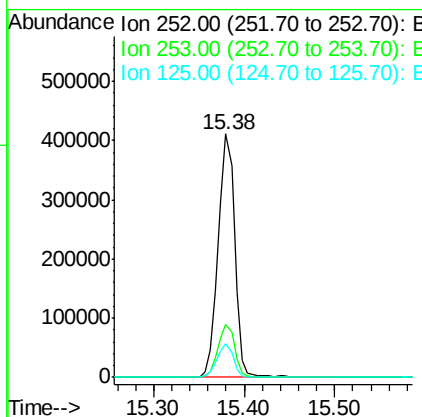
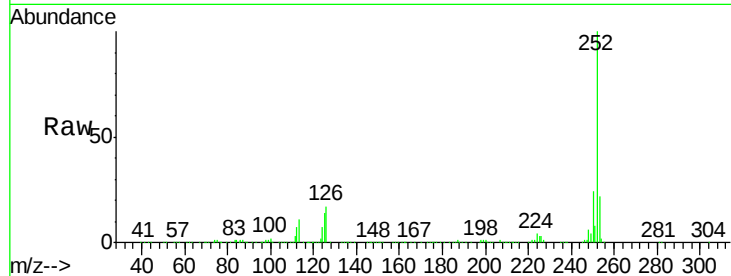
#89
Benzo(a)pyrene
Concen: 39.683 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.00 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.1	25.7
125	13.9	9.8	14.6

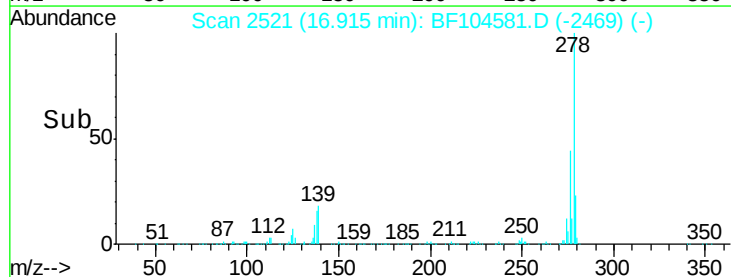
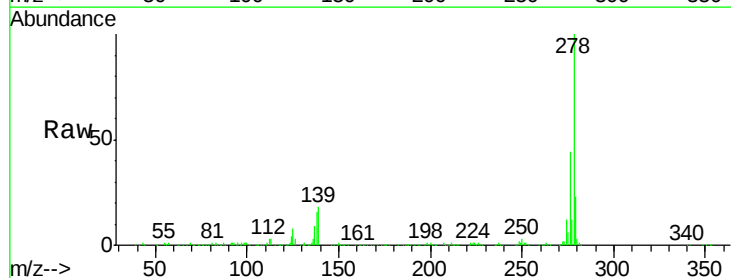
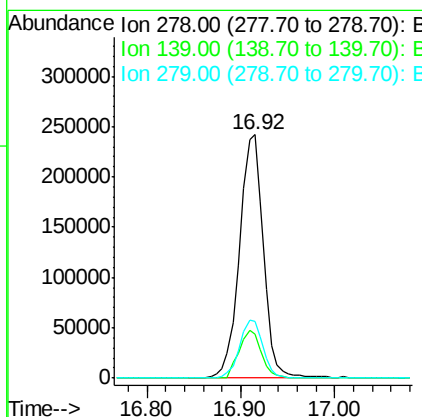
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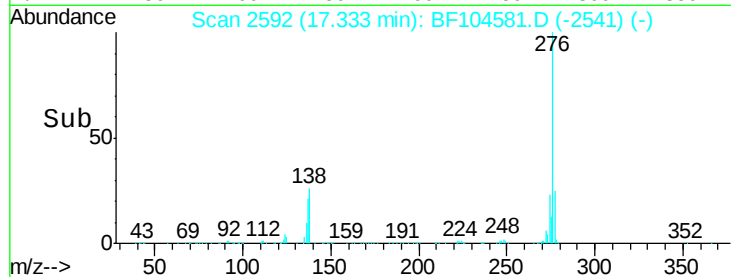
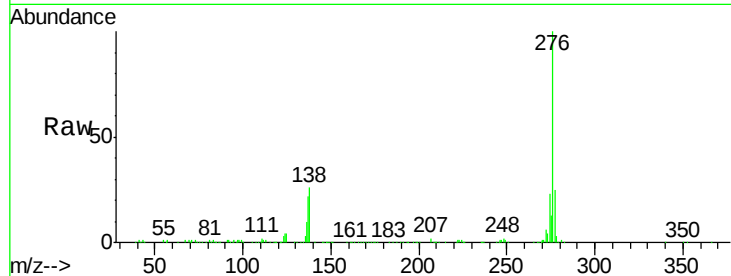
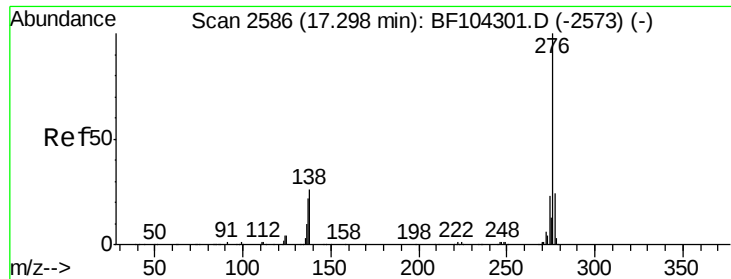
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 39.823 ng
RT: 16.92 min Scan# 2521
Delta R.T. 0.01 min
Lab File: BF104581.D
Acq: 18 Apr 2018 00:08

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.0	15.9	23.9
279	23.1	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 38.724 ng

RT: 17.33 min Scan# 2592

Delta R.T. -0.00 min

Lab File: BF104581.D

Acq: 18 Apr 2018 00:08

Instrument :

BNA_F

ClientSampleId :

NAA-WS-005MSD

Tot Ion: 276 Resp: 402792

Ion Ratio Lower Upper

276 100

277 24.7 17.9 26.9

138 26.4 21.8 32.8

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