

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
 Data File : BF104484.D
 Acq On : 13 Apr 2018 17:47
 Operator : JU/SJ
 Sample : J2360-01MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-001MSD

Manual Integrations
 APPROVED

Sohil
 4/16/2018 3:10:14 PM

Quant Time: Apr 13 23:08:09 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 13 17:38:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	133462	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	546201	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	237194	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	383934	20.00	ng	0.00
75) Chrysene-d12	13.99	240	243949	20.00	ng	0.00
86) Perylene-d12	15.44	264	220448	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	976831	111.91	ng	0.01
7) Phenol-d6	6.45	99	1198309	111.74	ng	0.00
23) Nitrobenzene-d5	7.38	82	749648	89.62	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	268729	109.22	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1228579	81.83	ng	0.00
78) Terphenyl-d14	12.93	244	943573	88.18	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.59	88	118494	29.135	ng	91
3) Pyridine	3.33	79	338950	29.642	ng	# 86
4) n-Nitrosodimethylamine	3.29	42	128581	32.168	ng	82
6) Aniline	6.47	93	378181	25.382	ng	99
8) 2-Chlorophenol	6.60	128	338203	36.711	ng	96
9) Benzaldehyde	6.36	77	145931	23.375	ng	99
10) Phenol	6.46	94	444019	39.021	ng	90
11) bis(2-Chloroethyl)ether	6.55	93	325443	35.840	ng	95
12) 1,3-Dichlorobenzene	6.75	146	365080	34.980	ng	98
13) 1,4-Dichlorobenzene	6.83	146	371611	35.719	ng	99
14) 1,2-Dichlorobenzene	6.98	146	343367	35.615	ng	99
15) Benzyl Alcohol	6.96	79	284416	34.917	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.09	45	422703	34.663	ng	92
17) 2-Methylphenol	7.07	107	279440	34.895	ng	98
18) Hexachloroethane	7.32	117	129416	34.889	ng	98
19) n-Nitroso-di-n-propylamine	7.23	70	230026	32.824	ng	95
20) 3+4-Methylphenols	7.22	107	327112	32.936	ng	# 67
22) Acetophenone	7.22	105	453520	33.726	ng	# 94
24) Nitrobenzene	7.40	77	351944	38.109	ng	98
25) Isophorone	7.63	82	571168	32.291	ng	99
26) 2-Nitrophenol	7.71	139	182505	48.543	ng	98
27) 2,4-Dimethylphenol	7.75	122	260464	33.365	ng	99
28) bis(2-Chloroethoxy)methane	7.85	93	391561	36.206	ng	99
29) 2,4-Dichlorophenol	7.95	162	272839	36.630	ng	98
30) 1,2,4-Trichlorobenzene	8.03	180	295767	36.182	ng	99
31) Naphthalene	8.12	128	894013	32.871	ng	100
32) Benzoic acid	7.83	122	58519	9.395	ng	98
33) 4-Chloroaniline	8.16	127	220023	18.883	ng	99
34) Hexachlorobutadiene	8.23	225	165433	36.948	ng	99
35) Caprolactam	8.53	113	85071m	32.740	ng	
36) 4-Chloro-3-methylphenol	8.65	107	290904	36.423	ng	100
37) 2-Methylnaphthalene	8.81	142	566990	32.228	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.97	216	258764	38.110	ng	99
40) Hexachlorocyclopentadiene	8.96	237	123600	32.516	ng	96

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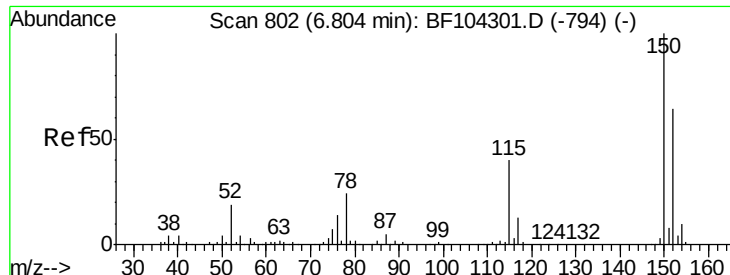
Manual Integrations
 APPROVED

Sohil
 4/16/2018 3:10:14 PM

Quant Time: Apr 13 23:08:09 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 13 17:38:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.09	196	186650	39.600	nq	99
43) 2,4,5-Trichlorophenol	9.13	196	191125	36.236	nq	98
45) 1,1'-Biphenyl	9.27	154	720784	36.173	nq	99
46) 2-Chloronaphthalene	9.30	162	580337	36.873	nq	100
47) 2-Nitroaniline	9.40	65	177607	45.631	nq	94
48) Acenaphthylene	9.72	152	824643	33.395	nq	100
49) Dimethylphthalate	9.57	163	807636	43.178	nq	100
50) 2,6-Dinitrotoluene	9.64	165	149678	43.246	nq	96
51) Acenaphthene	9.89	154	479939	31.854	nq	99
52) 3-Nitroaniline	9.81	138	126424	31.201	nq	90
53) 2,4-Dinitrophenol	9.92	184	35376	35.229	nq	# 18
54) Dibenzofuran	10.06	168	740687	35.276	nq	98
55) 4-Nitrophenol	9.97	139	224415	70.507	nq	91
56) 2,4-Dinitrotoluene	10.05	165	187741	41.353	nq	# 89
57) Fluorene	10.40	166	524258	34.303	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.17	232	138817	35.278	nq	95
59) Diethylphthalate	10.27	149	633621	34.014	nq	99
60) 4-Chlorophenyl-phenylether	10.39	204	270187	39.697	nq	100
61) 4-Nitroaniline	10.42	138	143932	36.330	nq	97
62) Azobenzene	10.56	77	594451	33.401	nq	93
64) 4,6-Dinitro-2-methylphenol	10.45	198	40157	25.536	nq	81
65) n-Nitrosodiphenylamine	10.52	169	517640	38.885	nq	99
66) 4-Bromophenyl-phenylether	10.89	248	164414	40.260	nq	91
67) Hexachlorobenzene	10.95	284	173787	37.819	nq	# 90
68) Atrazine	11.04	200	162890	40.538	nq	97
69) Pentachlorophenol	11.14	266	161146	56.686	nq	97
70) Phenanthrene	11.37	178	708766	33.149	nq	99
71) Anthracene	11.42	178	712758	32.794	nq	99
72) Carbazole	11.57	167	701192	33.016	nq	100
73) Di-n-butylphthalate	11.90	149	917464	35.364	nq	100
74) Fluoranthene	12.56	202	637200	28.524	nq	97
76) Benzidine	12.68	184	411629	55.081	nq	97
77) Pyrene	12.79	202	629687	34.823	nq	100
79) Butylbenzylphthalate	13.40	149	319064	37.454	nq	96
80) Benzo(a)anthracene	13.97	228	520879	35.741	nq	99
81) 3,3'-Dichlorobenzidine	13.94	252	203827	37.510	nq	98
82) Chrysene	14.02	228	512676	34.248	nq	98
83) Bis(2-ethylhexyl)phthalate	13.96	149	438788	40.045	nq	100
84) Di-n-octyl phthalate	14.58	149	682617	37.283	nq	95
85) Indeno(1,2,3-cd)pyrene	16.90	276	412598	32.446	nq	96
87) Benzo(b)fluoranthene	15.02	252	496831	35.684	nq	97
88) Benzo(k)fluoranthene	15.05	252	436231	33.187	nq	99
89) Benzo(a)pyrene	15.39	252	428630	34.407	nq	99
90) Dibenzo(a,h)anthracene	16.92	278	349159	34.126	nq	96
91) Benzo(g,h,i)perylene	17.34	276	324650	32.751	nq	97

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



#1

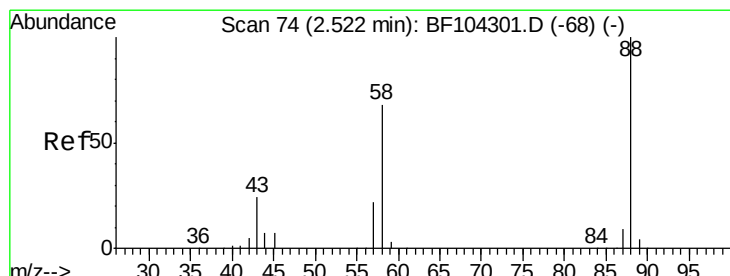
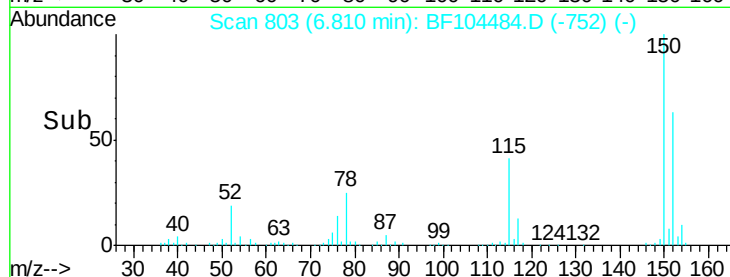
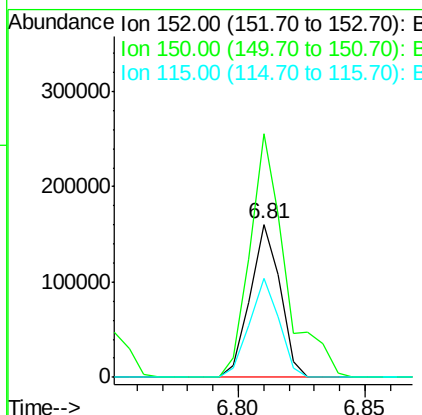
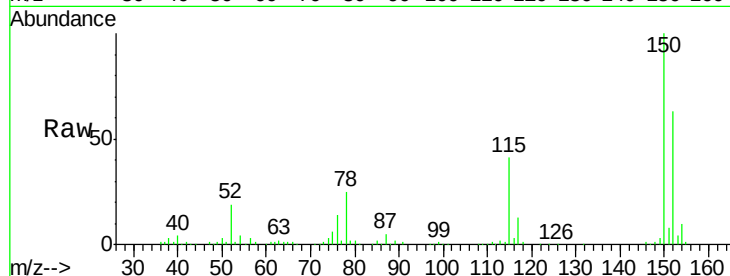
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Instrument :
BNA_F
ClientSampleId :
NAA-WS-001MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.6	186.8
115	64.9	50.1	75.1

Manual Integrations
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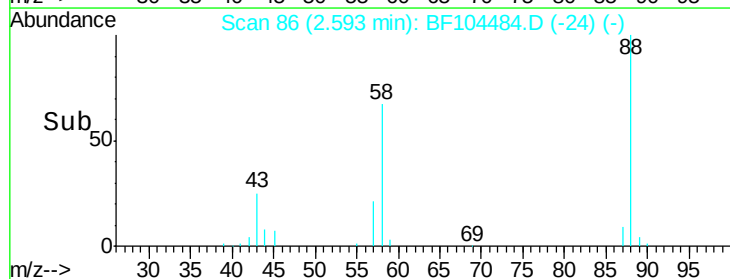
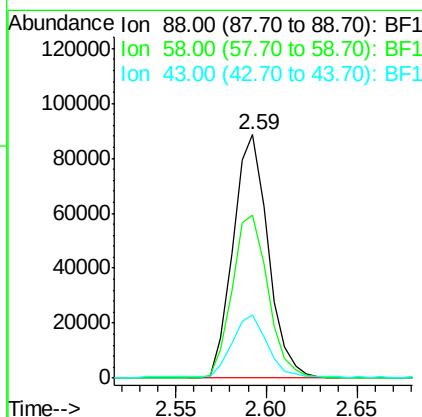
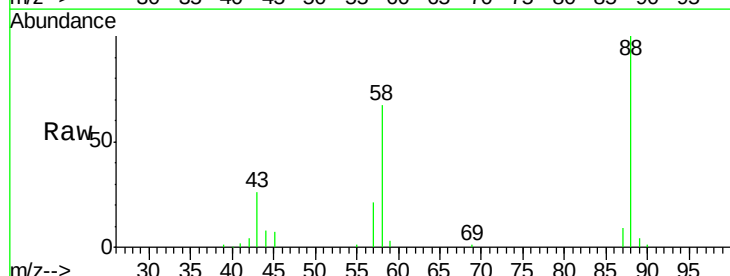
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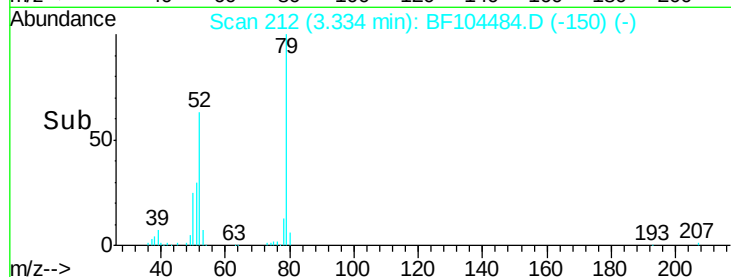
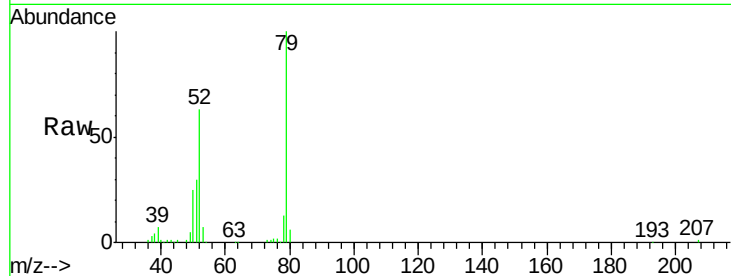
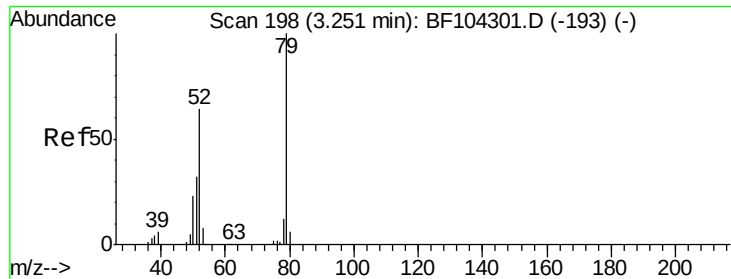


#2

1,4-Dioxane
Concen: 29.135 ng
RT: 2.59 min Scan# 86
Delta R.T. 0.06 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.9	62.6	93.8
43	27.5	24.6	37.0





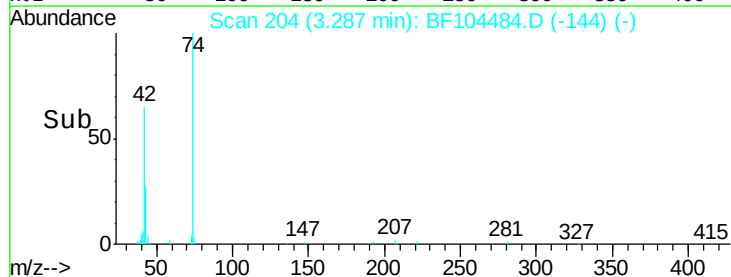
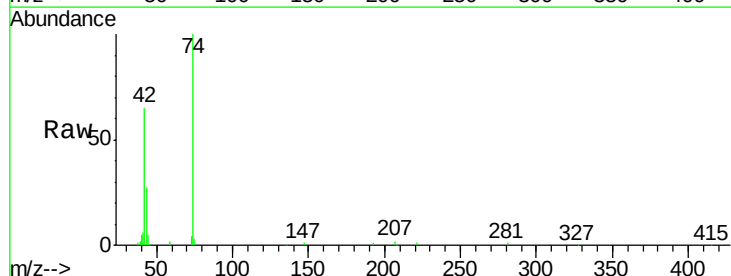
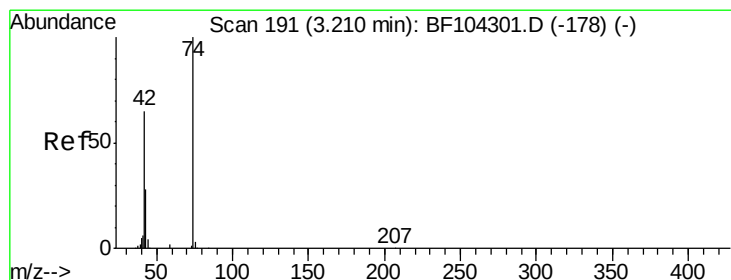
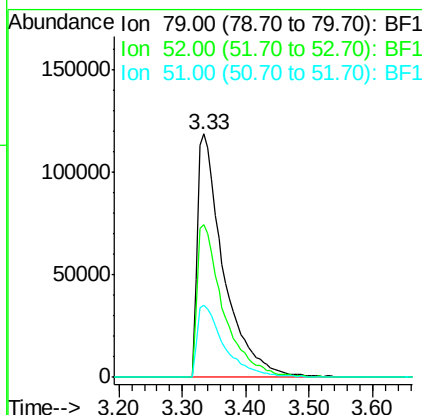
#3
Pvridine
Concen: 29.642 ng
RT: 3.33 min Scan# 212
Delta R.T. 0.06 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100				
52	62.8	59.8	89.6		
51	29.7	29.8	44.8		

Instrument :
BNA_F
ClientSampleId :
NAA-WS-001MSD

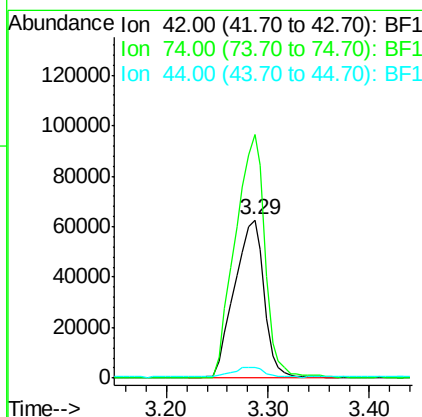
Manual Integrations
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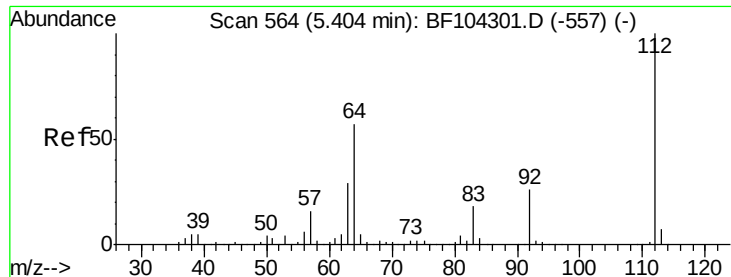
Sohil
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#4
n-Nitrosodimethylamine
Concen: 32.168 ng
RT: 3.29 min Scan# 204
Delta R.T. 0.05 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100				
74	153.7	104.9	157.3		
44	6.9	6.9	10.3		





#5

2-Fluorophenol

Concen: 111.914 ng

RT: 5.43 min Scan# 569

Delta R.T. 0.01 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

Instrument :

BNA_F

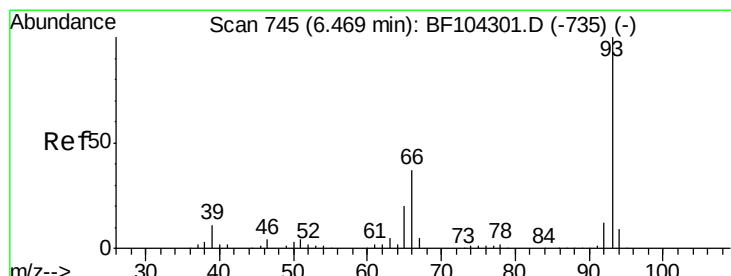
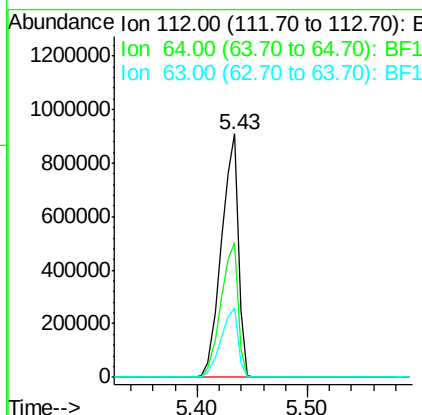
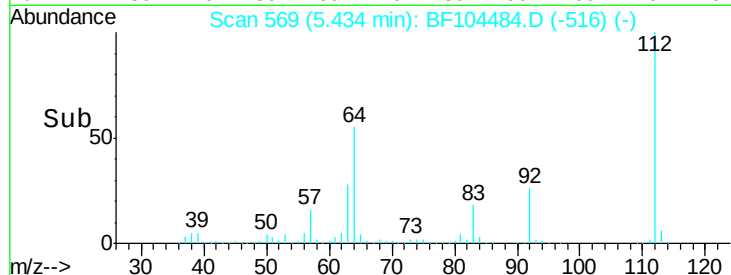
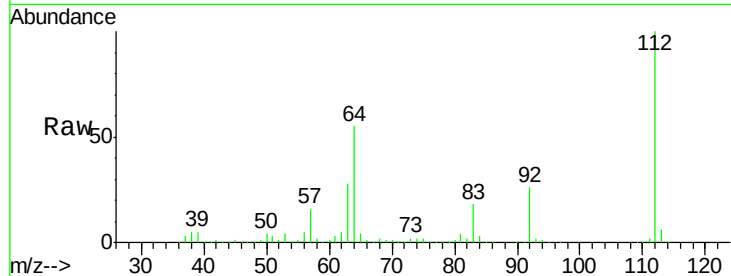
ClientSampleId :

NAA-WS-001MSD

Tot Ion:	112	Resp:	976831
Ion Ratio	Lower	Upper	
112	100		
64	55.5	47.9	71.9
63	28.5	23.7	35.5

Manual Integrations
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#6

Aniline

Concen: 25.382 ng

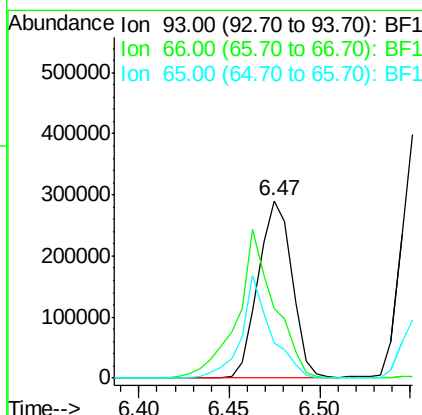
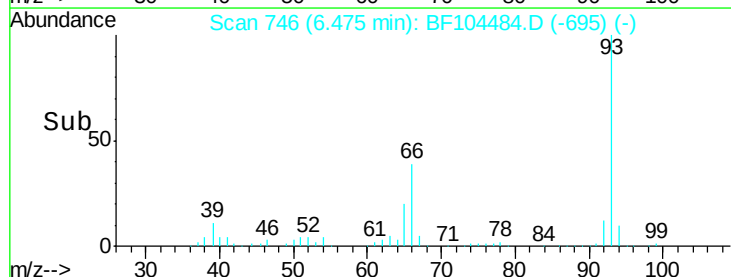
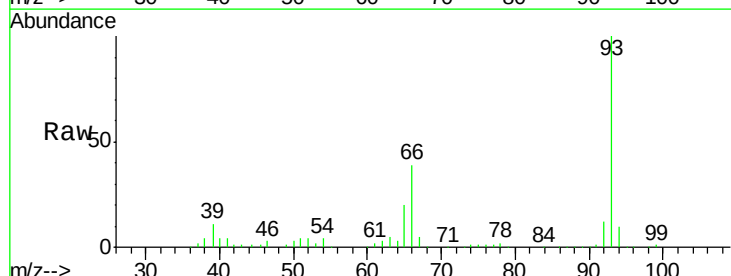
RT: 6.47 min Scan# 746

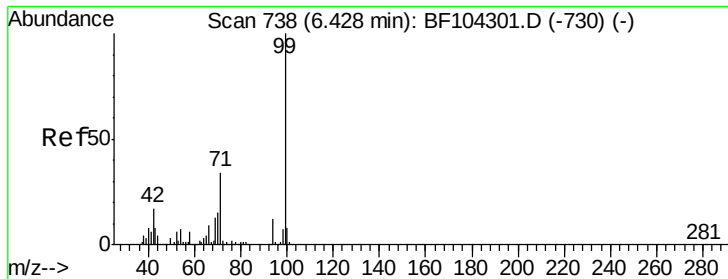
Delta R.T. -0.00 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

Tgt Ion:	93	Resp:	378181
Ion Ratio	Lower	Upper	
93	100		
66	39.3	32.2	48.2
65	19.8	16.4	24.6





#7

Phenol-d6

Concen: 111.737 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

Instrument :

BNA_F

ClientSampleId :

NAA-WS-001MSD

Tot Ion: 99 Resp: 1198309

Ion Ratio Lower Upper

99 100

42 16.2 14.5 21.7

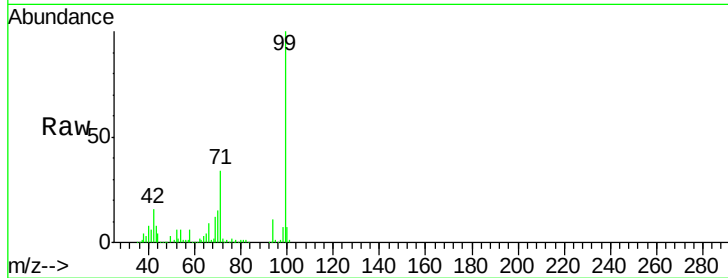
71 34.2 25.4 38.0

Manual Integrations

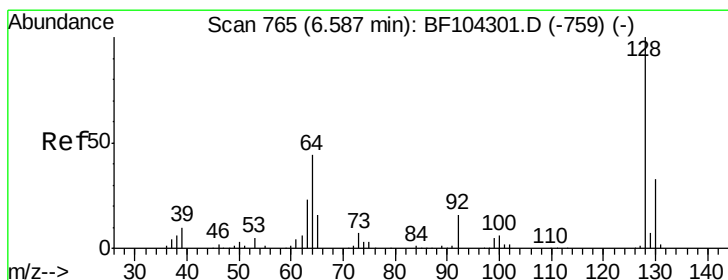
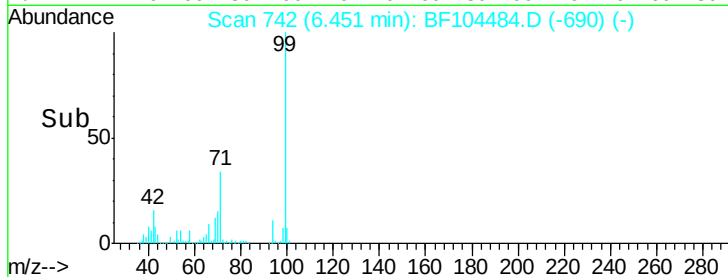
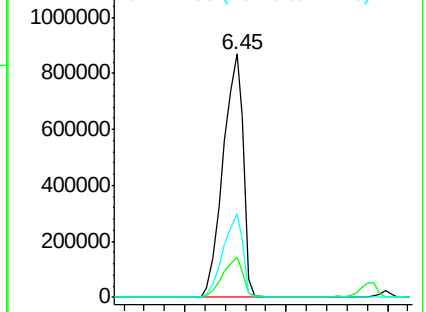
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 36.711 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

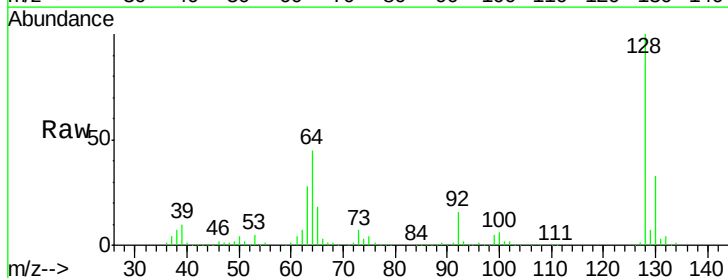
Tgt Ion: 128 Resp: 338203

Ion Ratio Lower Upper

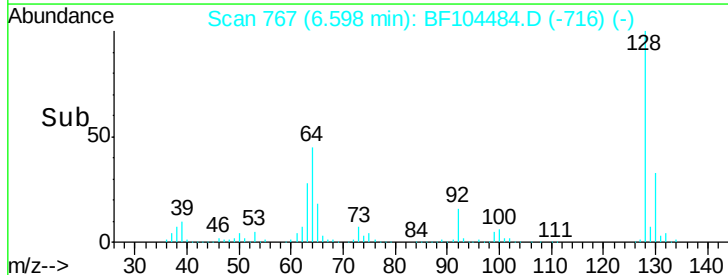
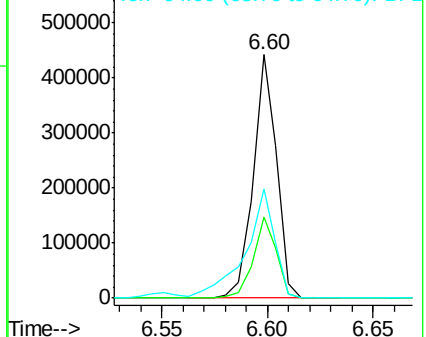
128 100

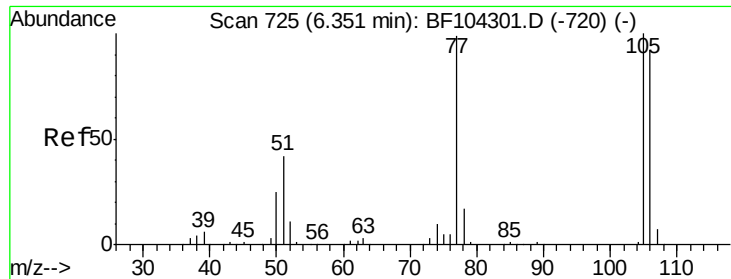
130 33.1 13.0 53.0

64 44.7 29.4 69.4



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





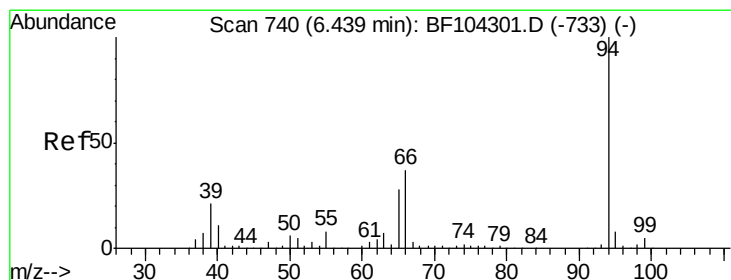
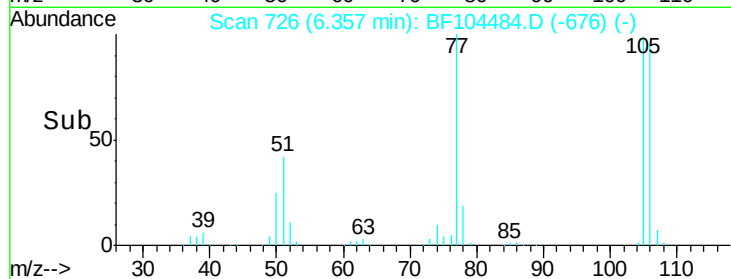
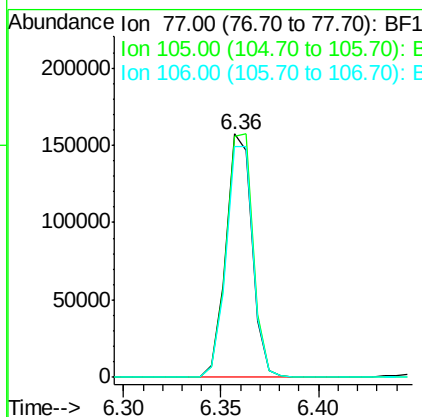
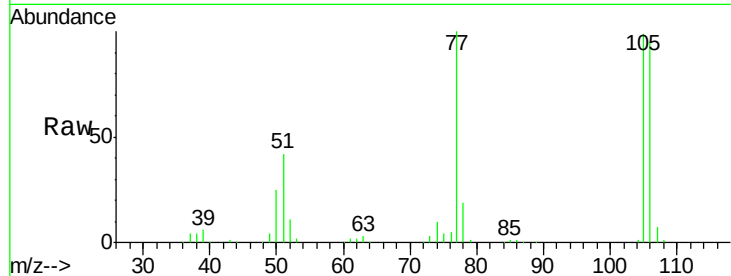
#9
Benzaldehyde
Concen: 23.375 ng
RT: 6.36 min Scan# 726
Delta R.T. -0.01 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Instrument :
BNA_F
ClientSampleId :
NAA-WS-001MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	98.9	81.1	121.1
106	94.9	74.5	114.5

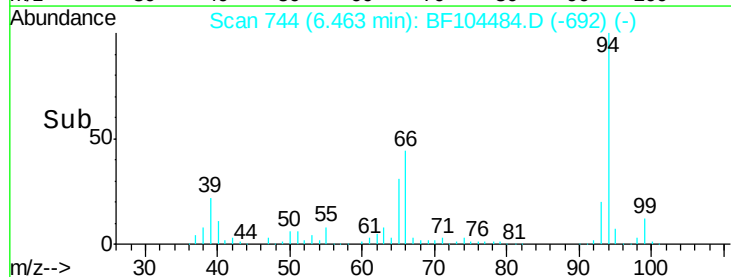
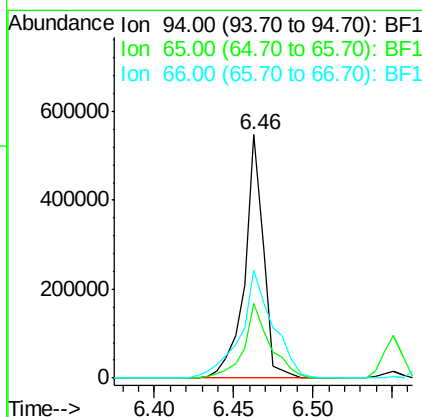
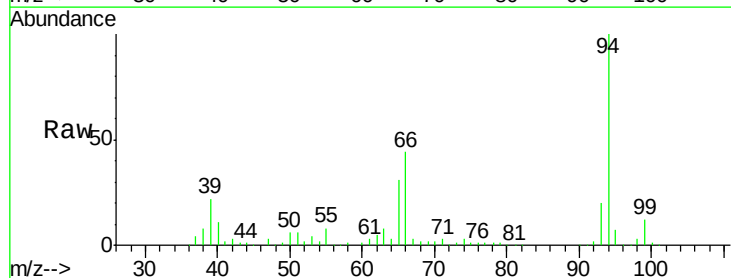
Manual Integrations
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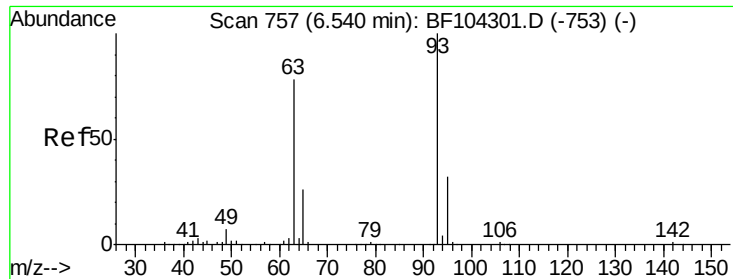
Sohil
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#10
Phenol
Concen: 39.021 ng
RT: 6.46 min Scan# 744
Delta R.T. 0.01 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Tgt Ion	Ratio	Lower	Upper
94	100		
65	30.7	7.9	47.9
66	44.4	16.2	56.2





#11

bis(2-Chloroethyl)ether

Concen: 35.840 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.00 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

Instrument :

BNA_F

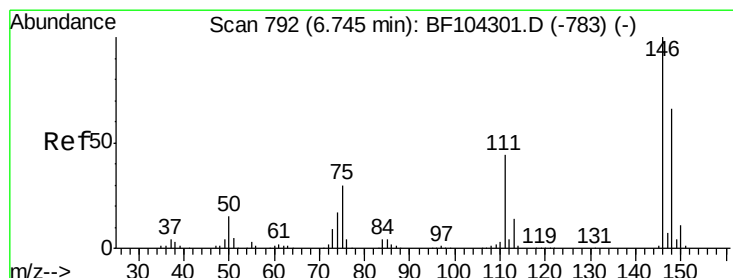
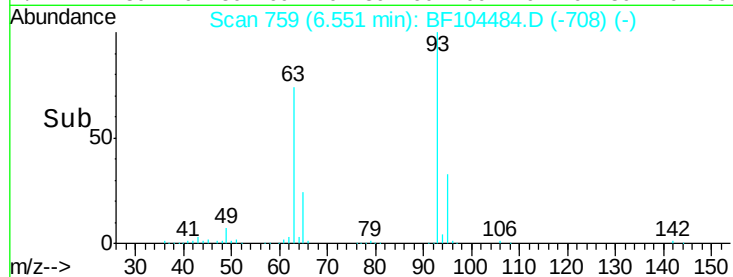
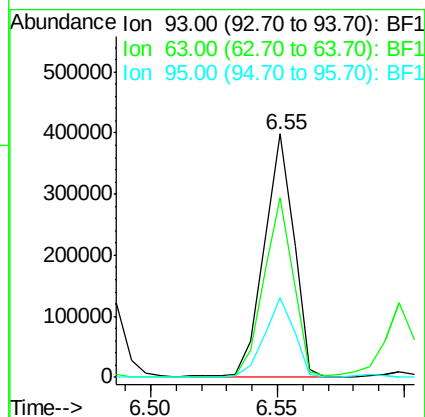
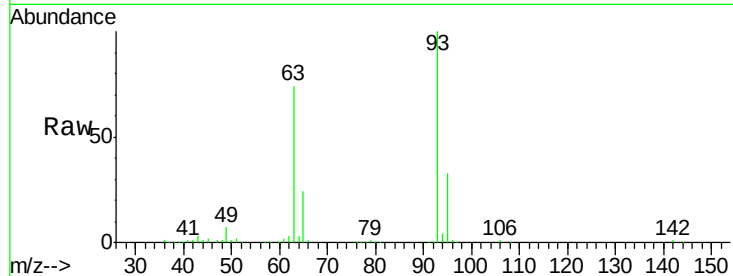
ClientSampleId :

NAA-WS-001MSD

Tot Ion:	93	Resp:	325443
Ion Ratio	Lower	Upper	
93	100		
63	73.7	58.6	98.6
95	32.8	11.8	51.8

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#12

1,3-Dichlorobenzene

Concen: 34.980 ng

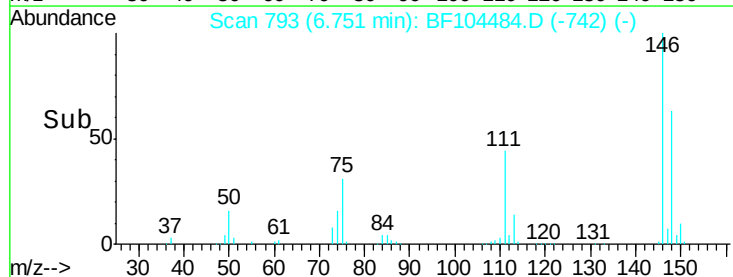
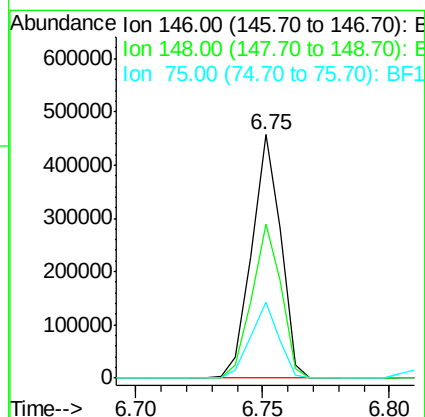
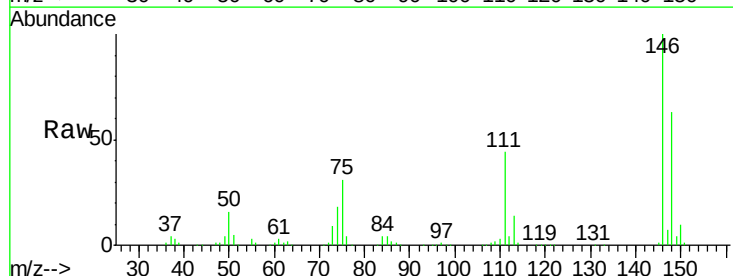
RT: 6.75 min Scan# 793

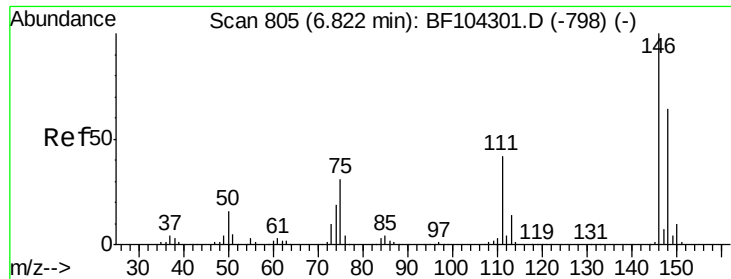
Delta R.T. -0.00 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

Tgt Ion:	146	Resp:	365080
Ion Ratio	Lower	Upper	
146	100		
148	63.4	51.8	77.8
75	31.2	24.2	36.4





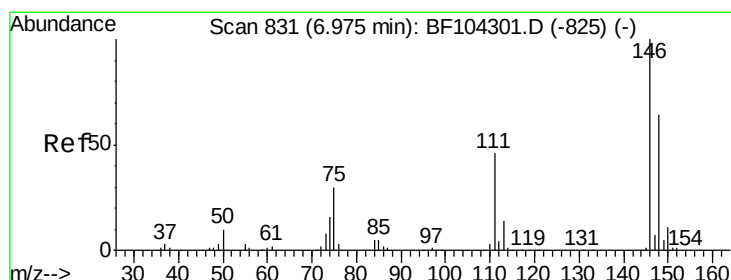
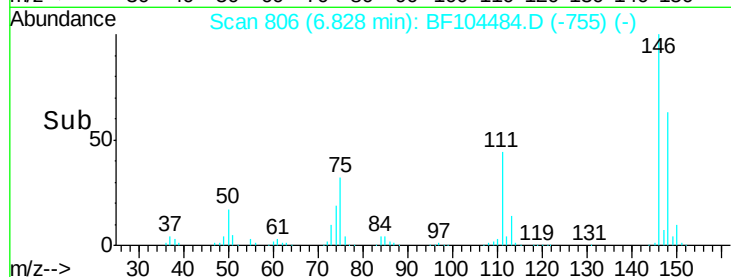
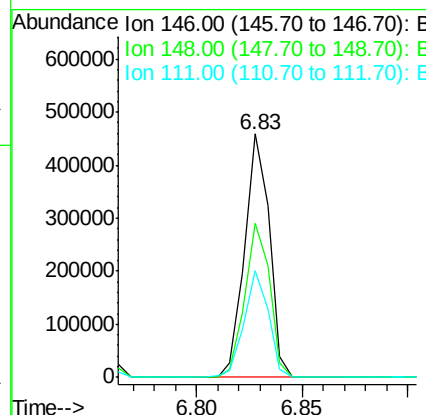
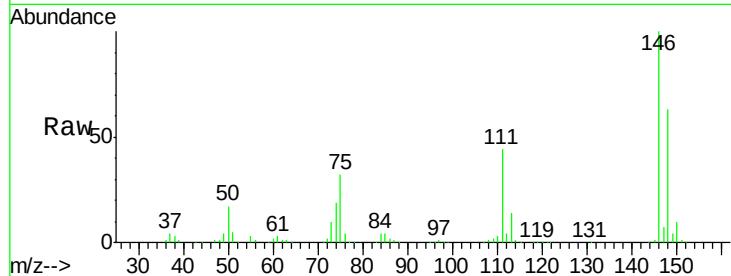
#13
 1,4-Dichlorobenzene
 Concen: 35.719 ng
 RT: 6.83 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: BF104484.D
 Acq: 13 Apr 2018 17:47

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-001MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.8	76.2
111	43.7	34.2	51.2

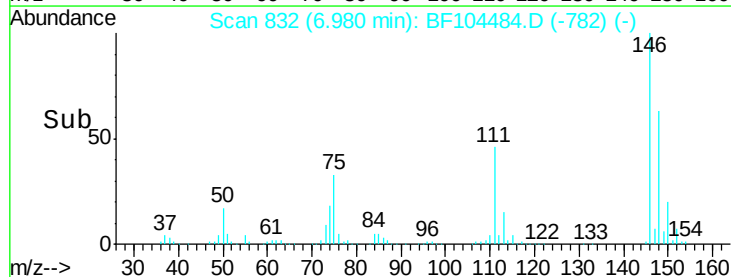
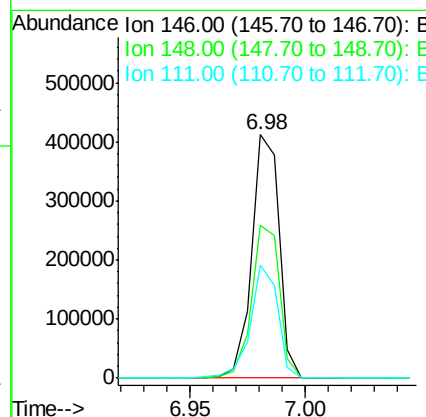
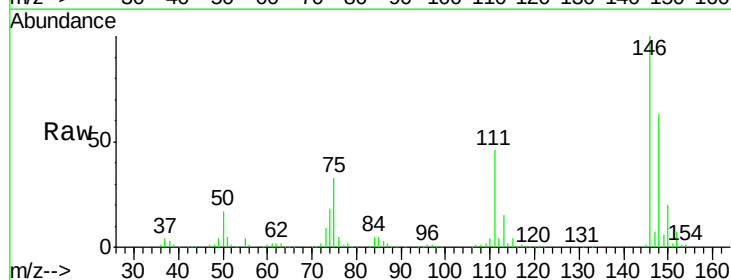
Manual Integrations
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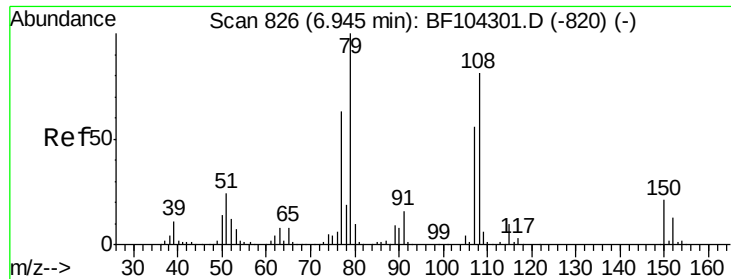
Sohil
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#14
 1,2-Dichlorobenzene
 Concen: 35.615 ng
 RT: 6.98 min Scan# 832
 Delta R.T. -0.01 min
 Lab File: BF104484.D
 Acq: 13 Apr 2018 17:47

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.5	50.6	75.8
111	46.3	36.0	54.0





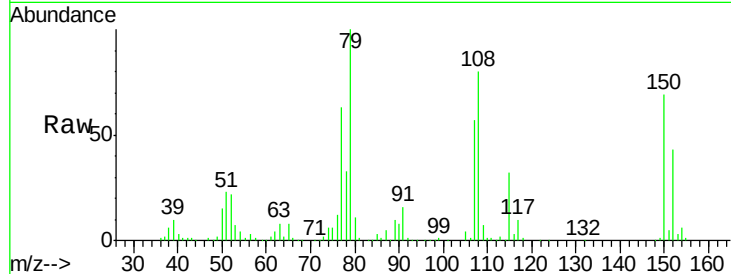
#15
Benzyl Alcohol
Concen: 34.917 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.00 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Instrument :
BNA_F
ClientSampleId :
NAA-WS-001MSD

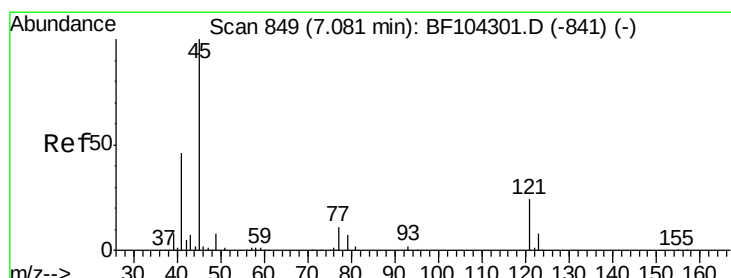
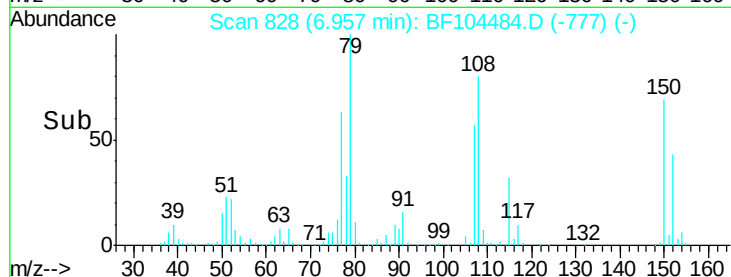
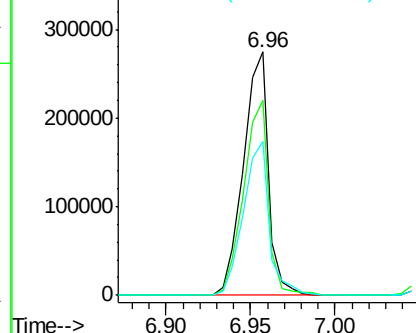
Tot Ion	Ratio	Lower	Upper
79	100		
108	80.3	65.1	97.7
77	63.3	50.6	75.8

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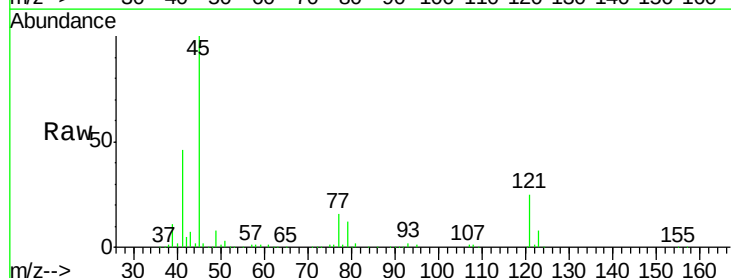


Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

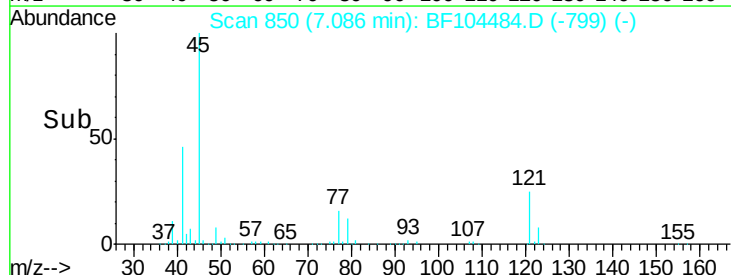
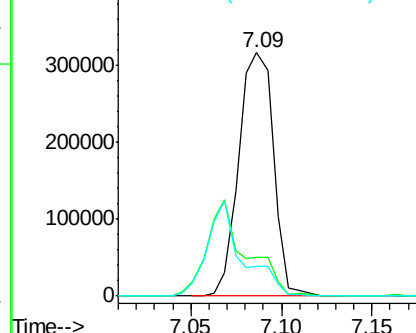


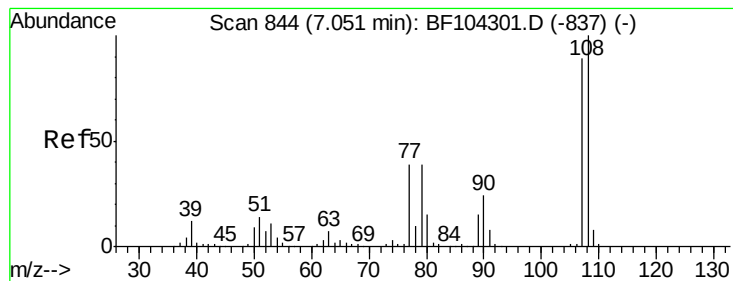
#16
2,2'-oxybis(1-Chloropropane)
Concen: 34.663 ng
RT: 7.09 min Scan# 850
Delta R.T. -0.00 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Tgt Ion	Ratio	Lower	Upper
45	100		
77	16.0	0.0	32.9
79	12.3	0.0	29.6



Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





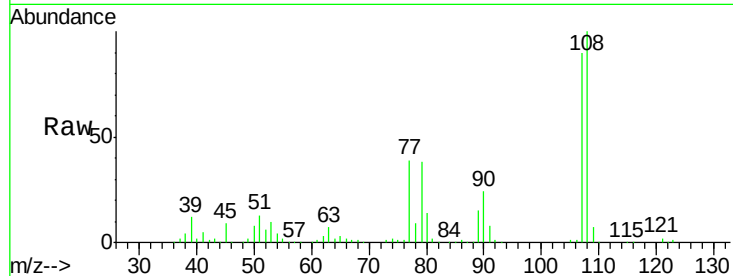
#17
2-Methylphenol
Concen: 34.895 ng
RT: 7.07 min Scan# 847
Delta R.T. -0.00 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Instrument :
BNA_F
ClientSampleId :
NAA-WS-001MSD

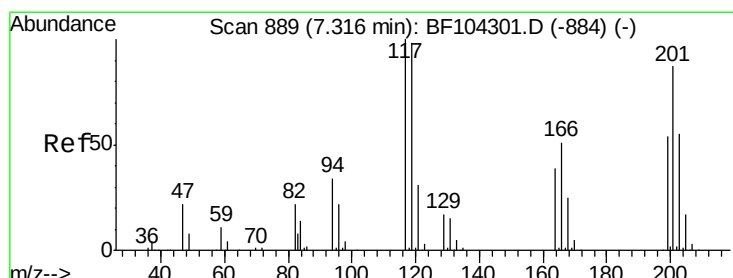
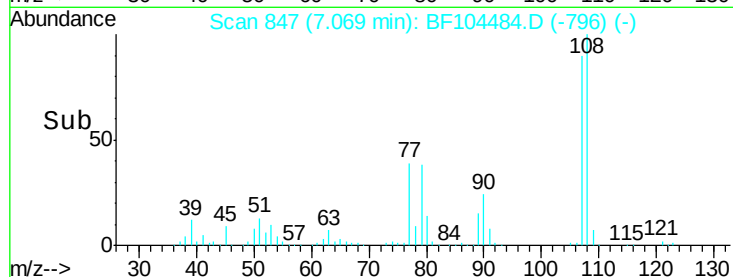
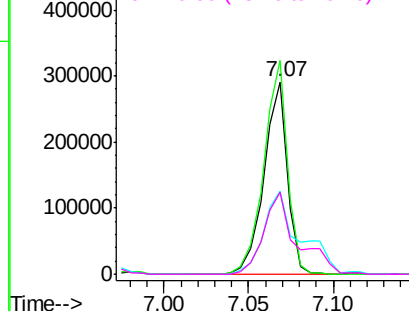
Tot Ion:	107	Resp:	279440
Ion	Ratio	Lower	Upper
107	100		
108	111.2	91.7	137.5
77	43.2	33.8	50.8
79	42.8	33.8	50.8

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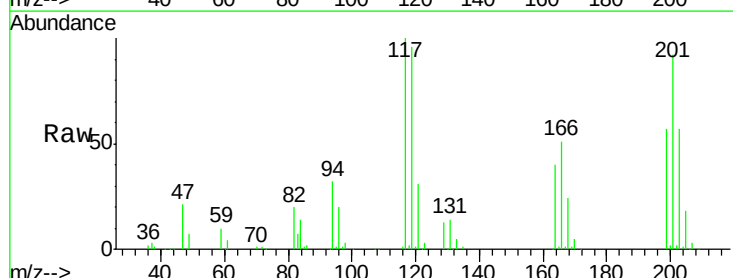


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

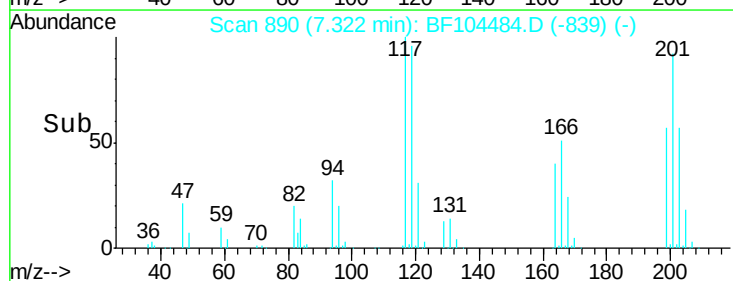
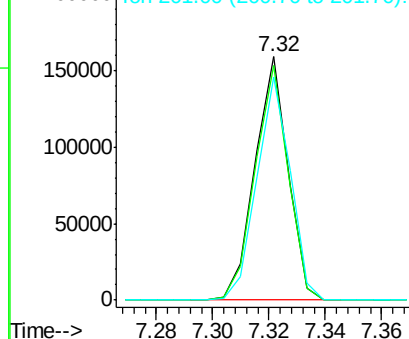


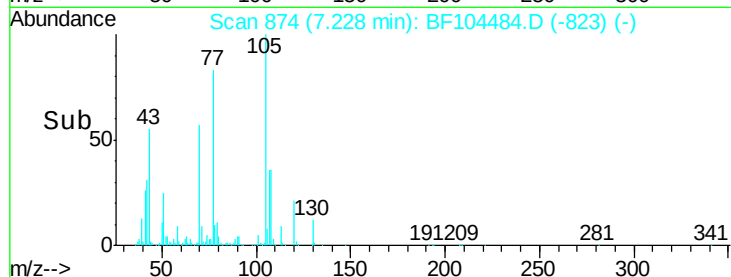
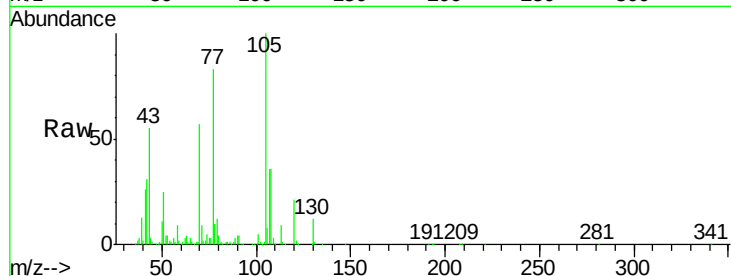
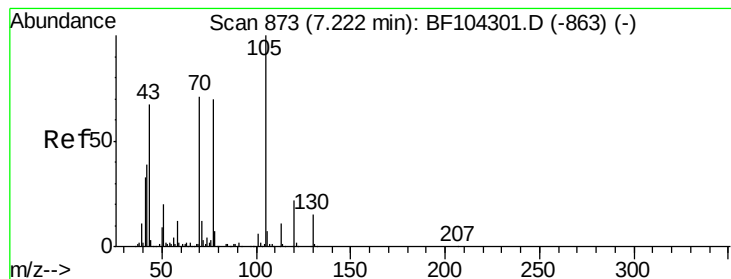
#18
Hexachloroethane
Concen: 34.889 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.00 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Tgt Ion:	117	Resp:	129416
Ion	Ratio	Lower	Upper
117	100		
119	96.3	75.8	113.8
201	91.6	75.7	113.5



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 32.824 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.00 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		230026		
42	53.9	47.5	71.3		
101	9.6	7.4	11.2		
130	20.4	16.6	25.0		

Instrument :

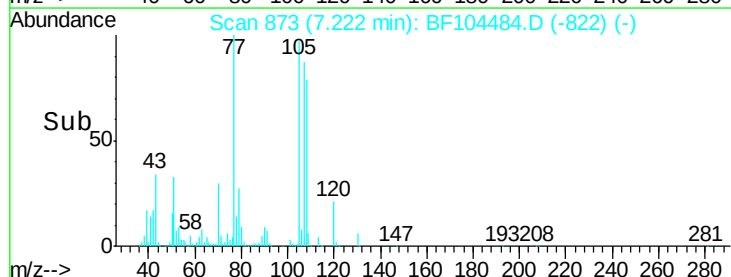
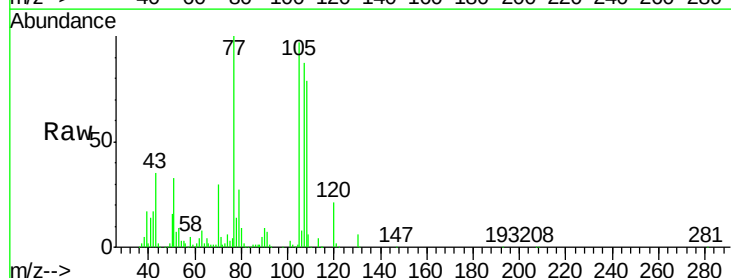
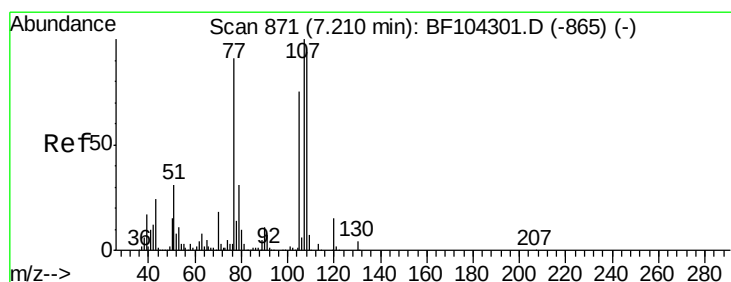
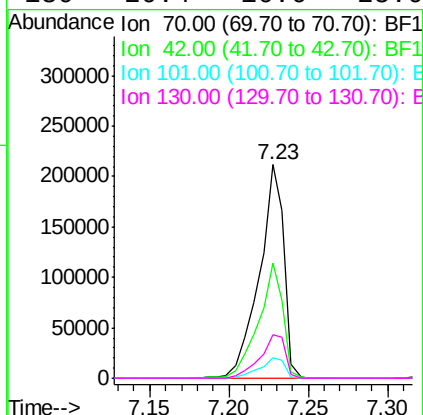
BNA_F

ClientSampleId :

NAA-WS-001MSD

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#20

3+4-Methylphenols

Concen: 32.936 ng

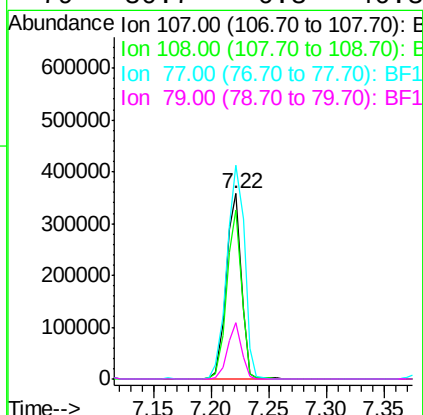
RT: 7.22 min Scan# 873

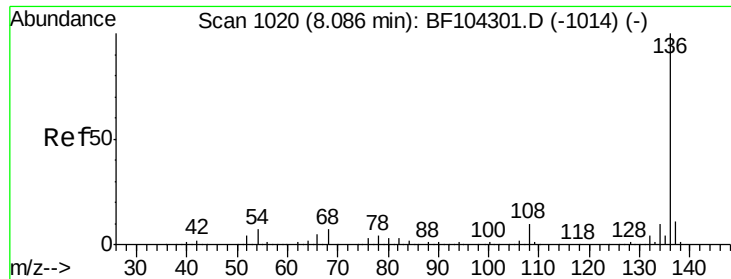
Delta R.T. -0.00 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		327112		
108	91.3	68.2	108.2		
77	115.4	26.7	66.7#		
79	30.7	6.3	46.3		





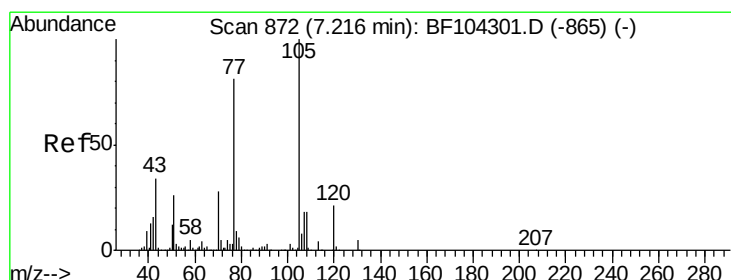
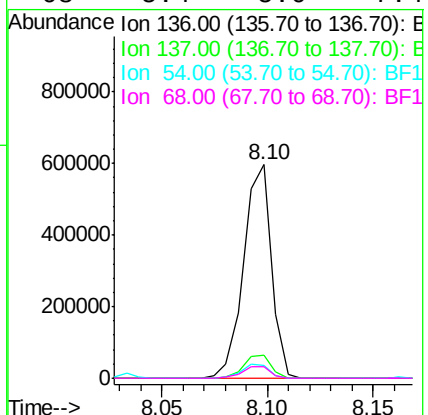
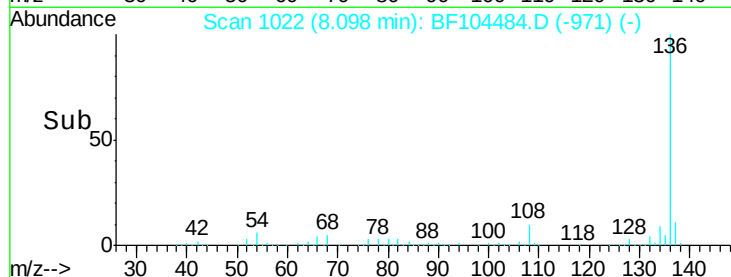
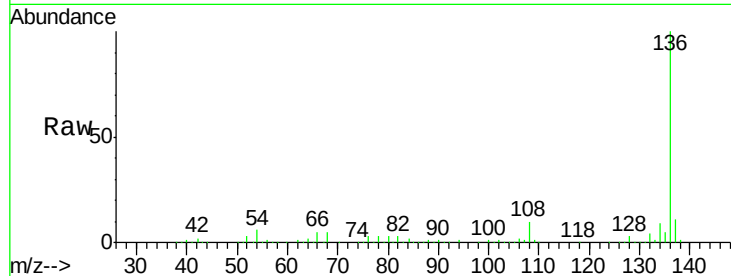
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Instrument :
BNA_F
ClientSampleId :
NAA-WS-001MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	546201		
137	10.7		8.9	13.3
54	6.1		6.6	9.8
68	5.4		5.0	7.4

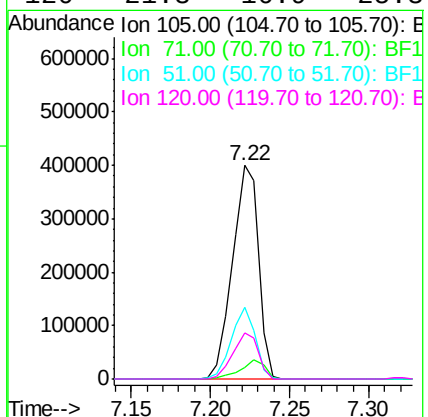
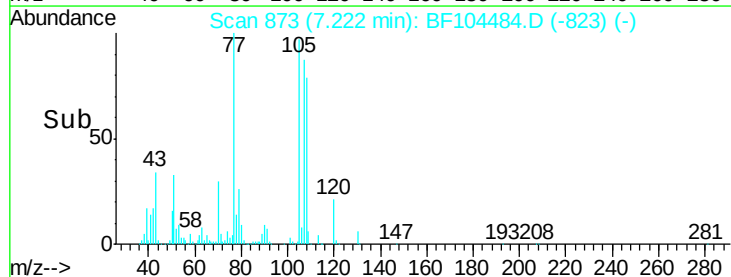
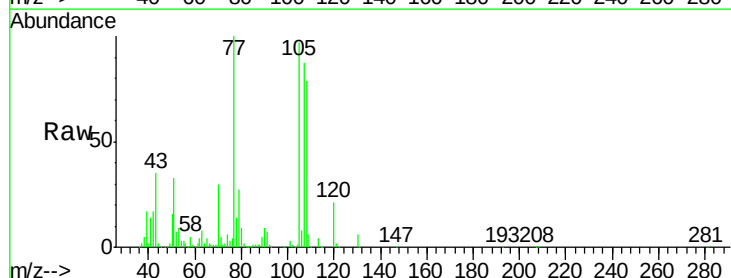
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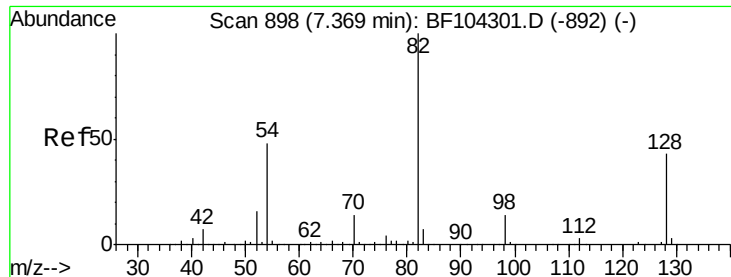
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#22
Acetophenone
Concen: 33.726 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	453520		
71	5.3		4.4	6.6
51	33.8		22.3	33.5
120	21.3		16.9	25.3





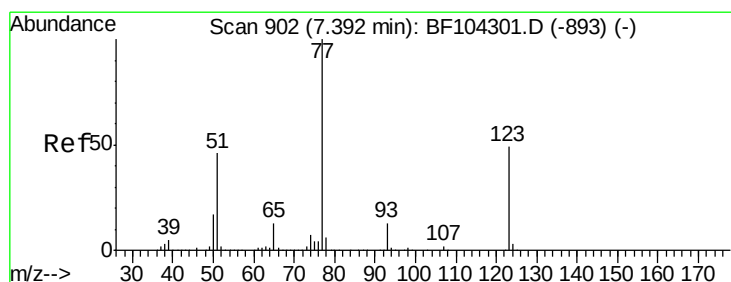
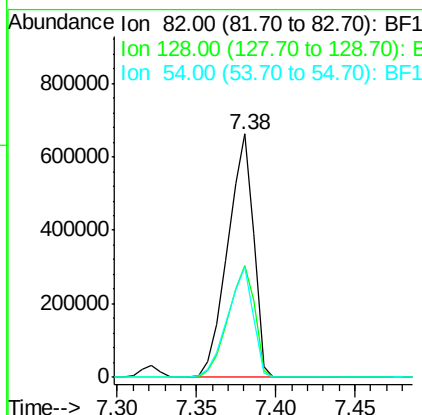
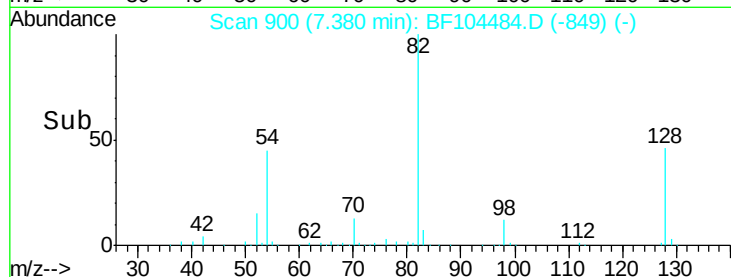
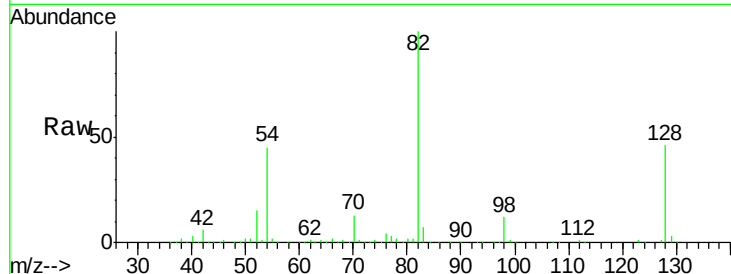
#23
Nitrobenzene-d5
Concen: 89.620 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.00 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Instrument :
BNA_F
ClientSampleId :
NAA-WS-001MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100	749648		
128	46.1		36.1	54.1
54	45.5		41.4	62.2

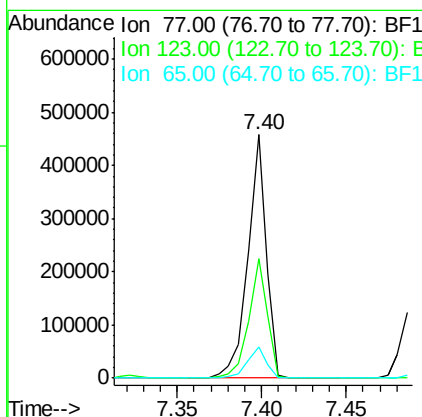
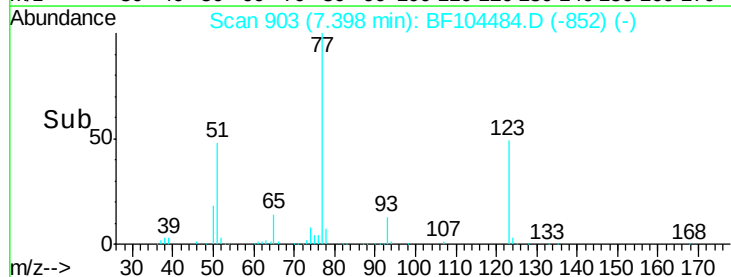
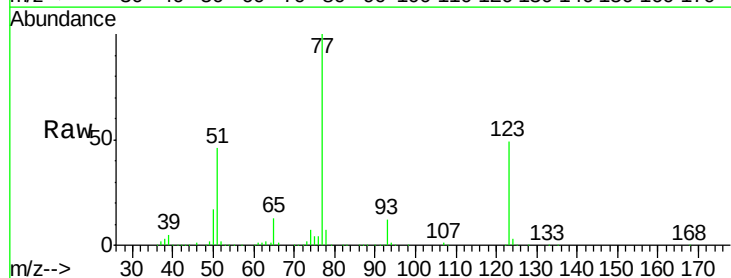
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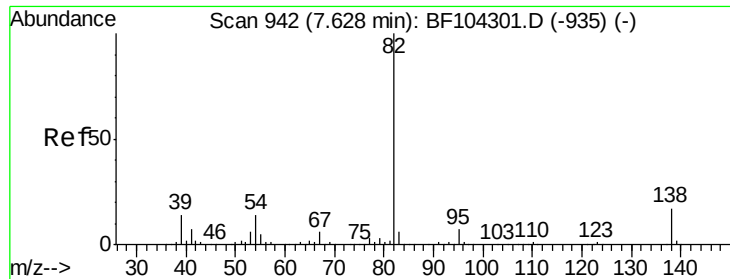
Sohil
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#24
Nitrobenzene
Concen: 38.109 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.00 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	351944		
123	49.1		37.9	56.9
65	13.0		11.0	16.4





#25

Isophorone

Concen: 32.291 ng

RT: 7.63 min Scan# 943

Delta R.T. -0.00 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

Instrument :

BNA_F

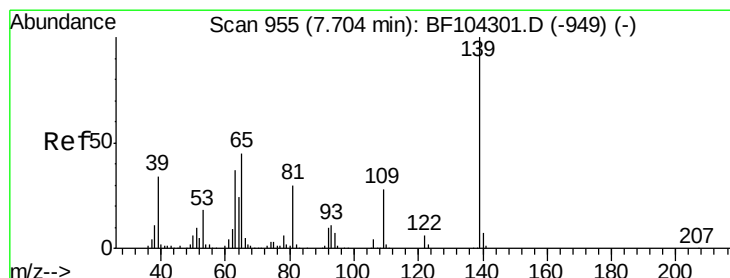
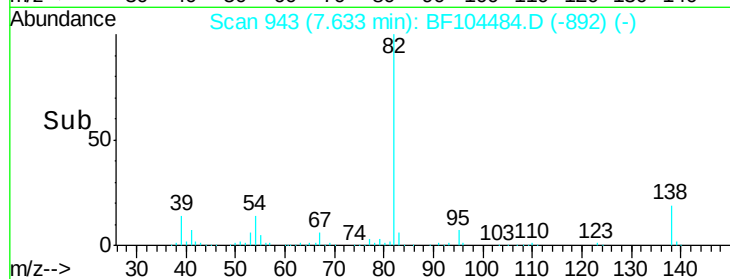
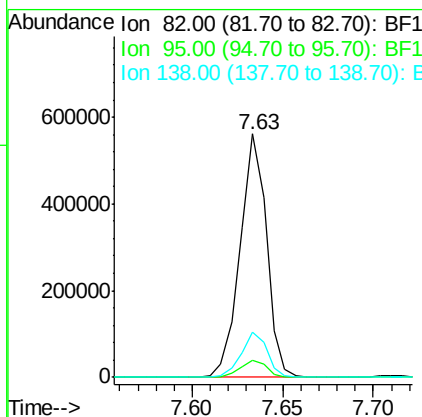
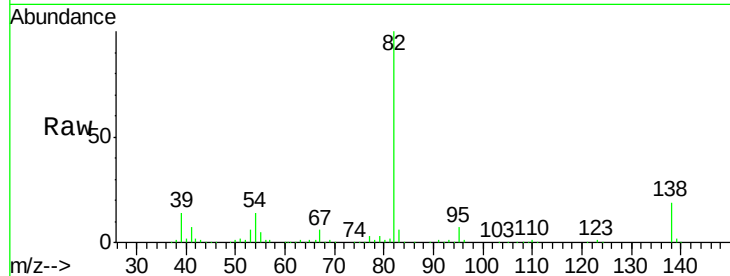
ClientSampleId :

NAA-WS-001MSD

Tot Ion:	82	Resp:	571168
Ion Ratio	Lower	Upper	
82	100		
95	7.2	5.2	7.8
138	18.5	14.9	22.3

Manual Integrations
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#26

2-Nitrophenol

Concen: 48.543 ng

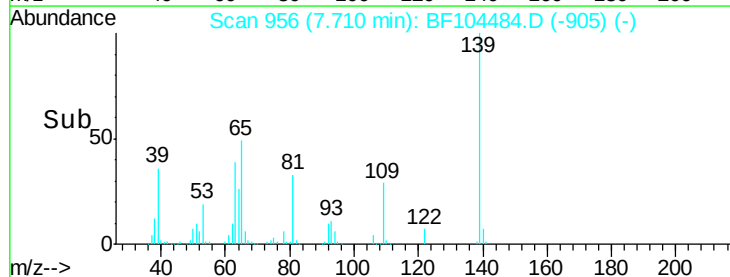
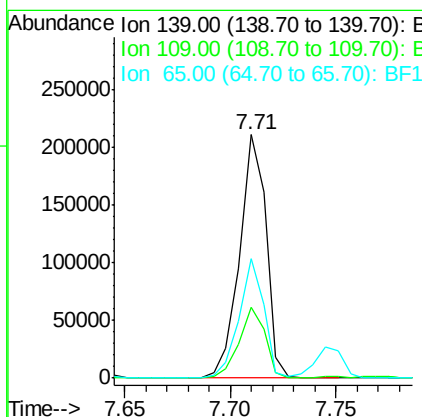
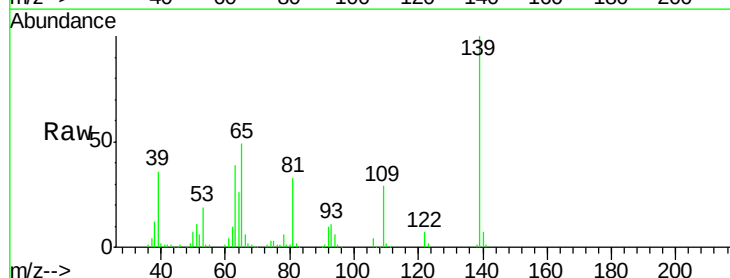
RT: 7.71 min Scan# 956

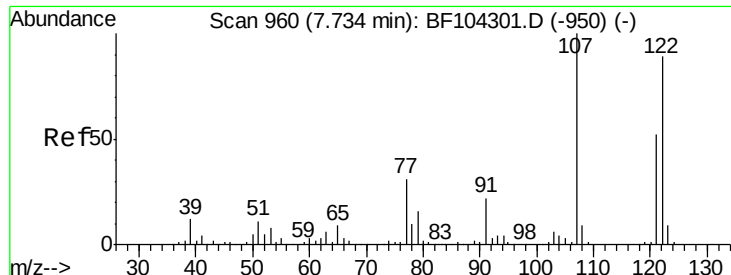
Delta R.T. -0.00 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

Tgt Ion:	139	Resp:	182505
Ion Ratio	Lower	Upper	
139	100		
109	29.0	22.7	34.1
65	49.0	40.5	60.7





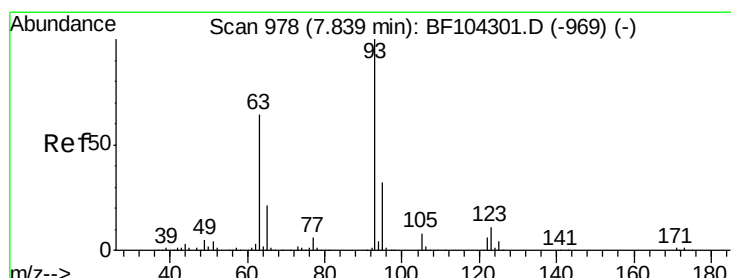
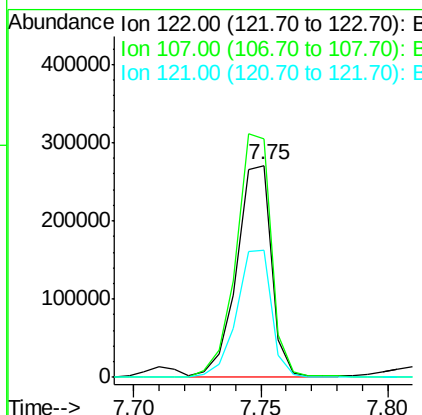
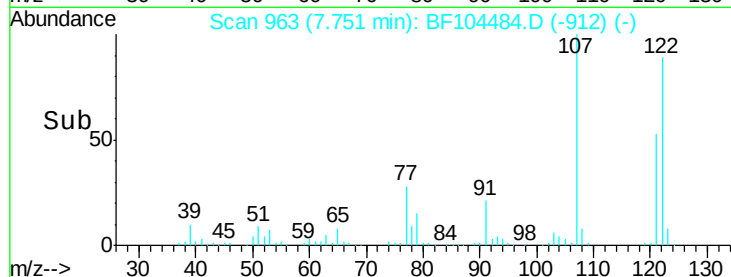
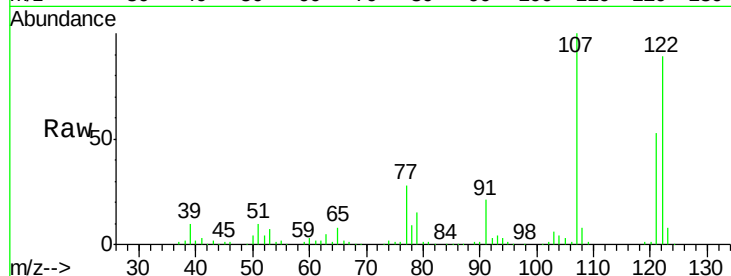
#27
 2,4-Dimethylphenol
 Concen: 33.365 ng
 RT: 7.75 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: BF104484.D
 Acq: 13 Apr 2018 17:47

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-001MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	260464		
107	112.6	91.2	136.8	
121	59.8	47.2	70.8	

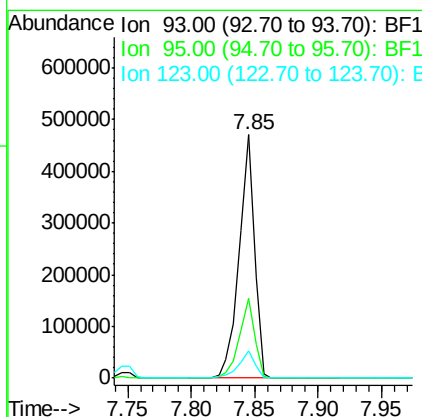
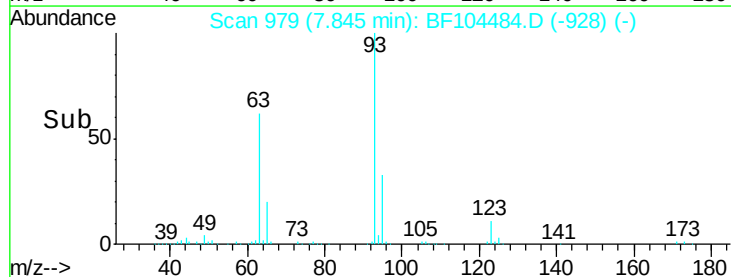
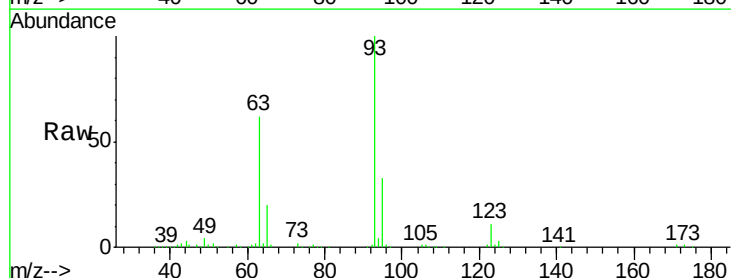
Manual Integrations
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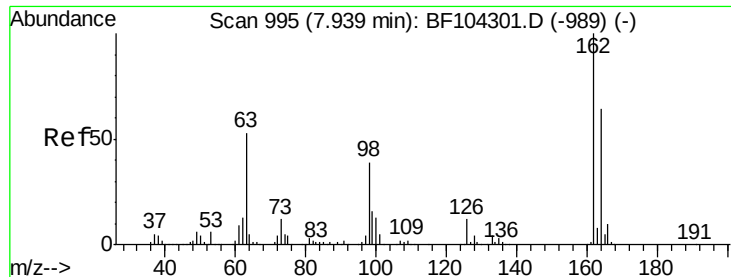
Sohil
 4/16/2018 3:10:14 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 36.206 ng
 RT: 7.85 min Scan# 979
 Delta R.T. -0.00 min
 Lab File: BF104484.D
 Acq: 13 Apr 2018 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	391561		
95	32.8	26.3	39.5	
123	11.1	9.8	14.6	





#29

2,4-Dichlorophenol

Concen: 36.630 ng

RT: 7.95 min Scan# 997

Delta R.T. -0.00 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

Instrument :

BNA_F

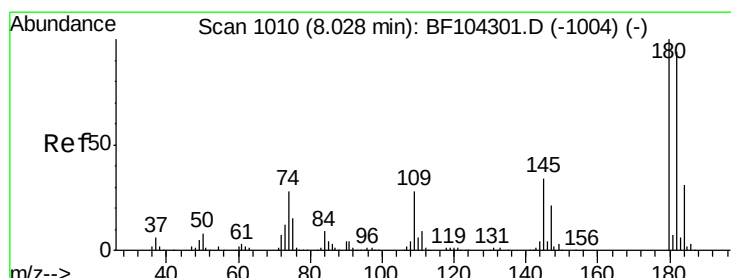
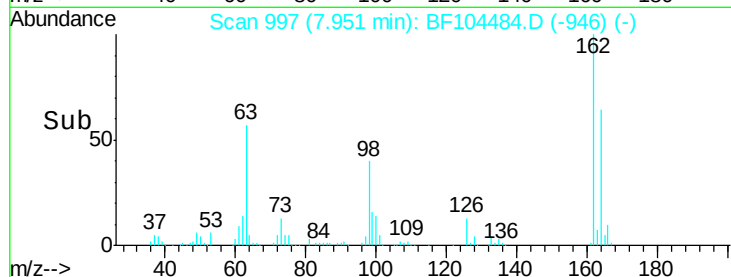
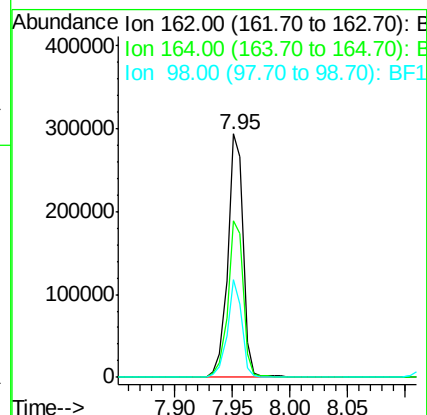
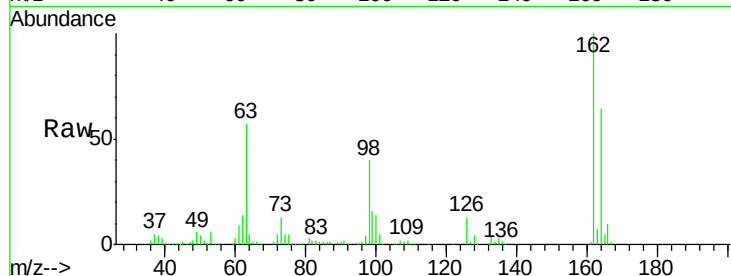
ClientSampleId :

NAA-WS-001MSD

Tot Ion:	162	Resp:	272839
Ion Ratio	Lower	Upper	
162	100		
164	64.1	42.7	82.7
98	40.2	18.1	58.1

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#30

1,2,4-Trichlorobenzene

Concen: 36.182 ng

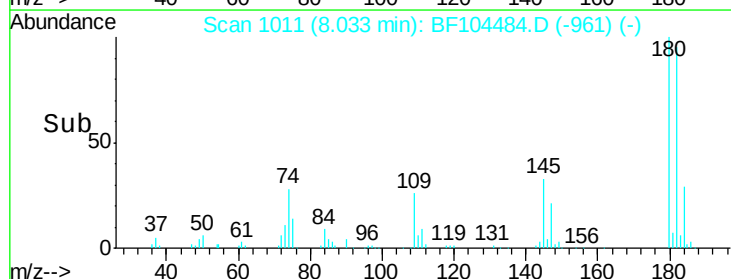
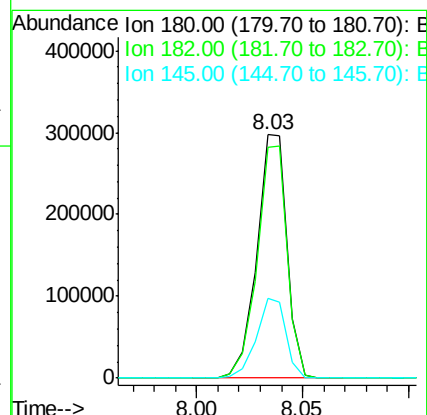
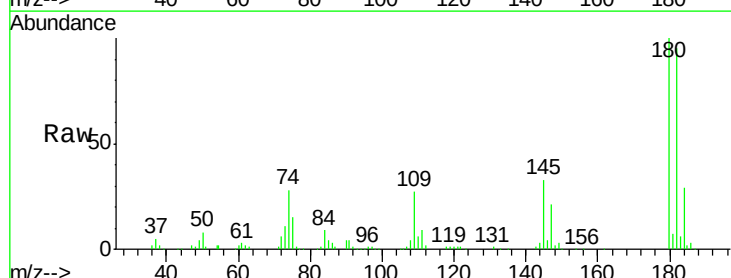
RT: 8.03 min Scan# 1011

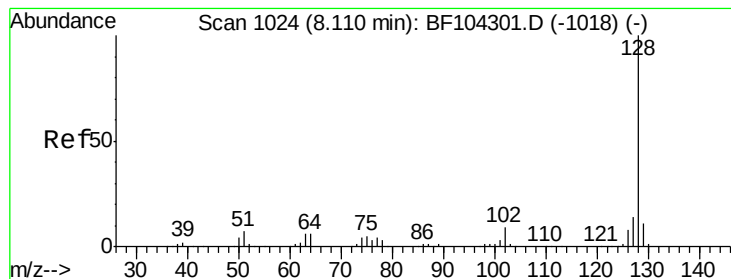
Delta R.T. -0.01 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

Tgt Ion:	180	Resp:	295767
Ion Ratio	Lower	Upper	
180	100		
182	94.9	76.8	115.2
145	33.0	26.5	39.7





#31

Naphthalene

Concen: 32.871 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

Instrument :

BNA_F

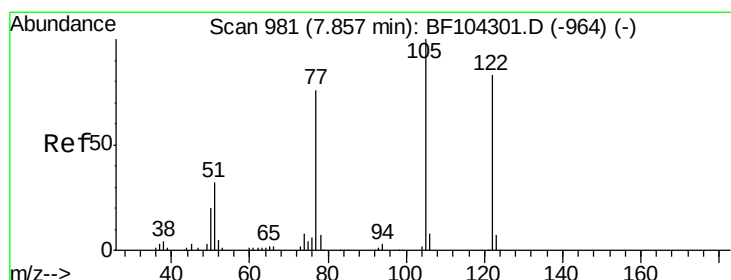
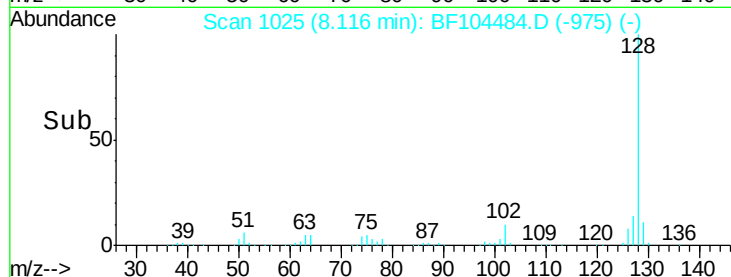
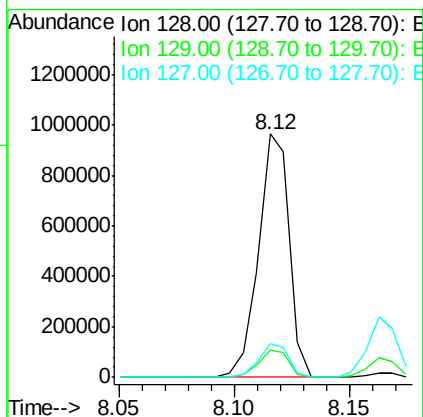
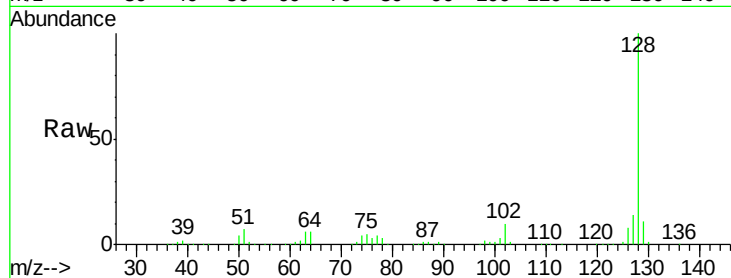
ClientSampleId :

NAA-WS-001MSD

Tot Ion:	128	Resp:	894013
Ion Ratio	Lower	Upper	
128	100		
129	11.4	8.8	13.2
127	13.6	10.9	16.3

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#32

Benzoic acid

Concen: 9.395 ng

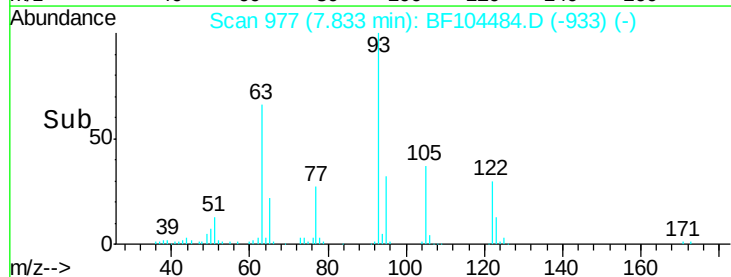
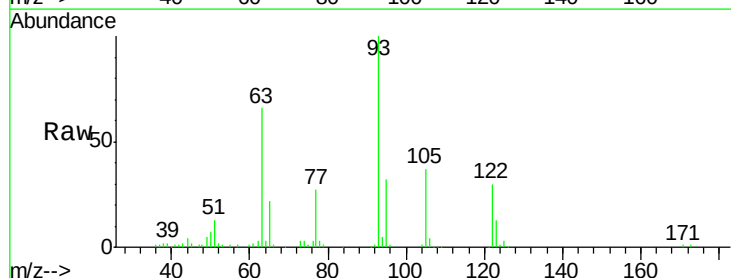
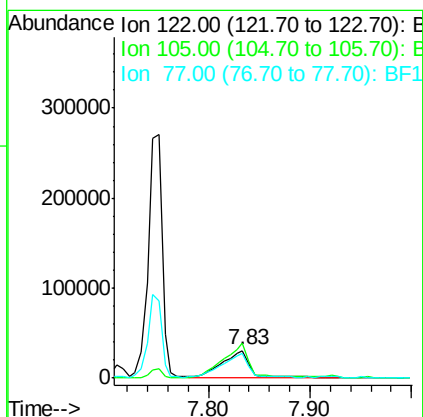
RT: 7.83 min Scan# 977

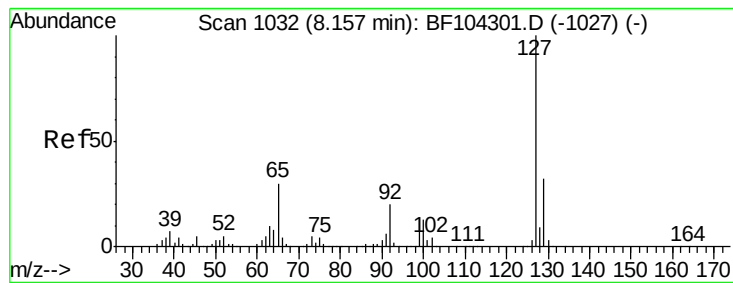
Delta R.T. -0.04 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

Tgt Ion:	122	Resp:	58519
Ion Ratio	Lower	Upper	
122	100		
105	124.8	101.1	141.1
77	91.1	70.7	110.7





#33

4-Chloroaniline

Concen: 18.883 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

Instrument :

BNA_F

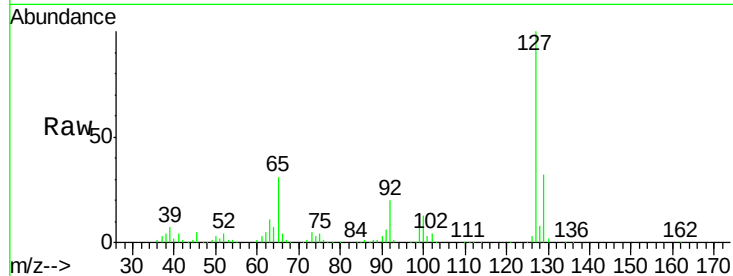
ClientSampleId :

NAA-WS-001MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.9	25.9	38.9		
65	31.2	25.0	37.4		
92	20.0	15.2	22.8		

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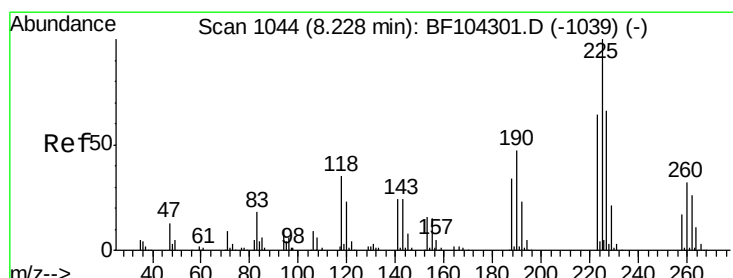
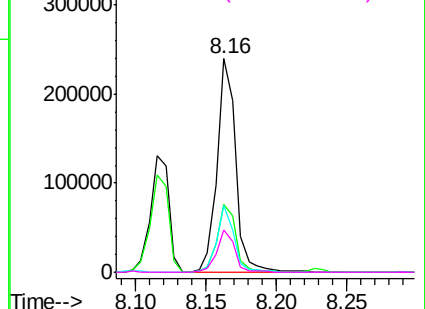
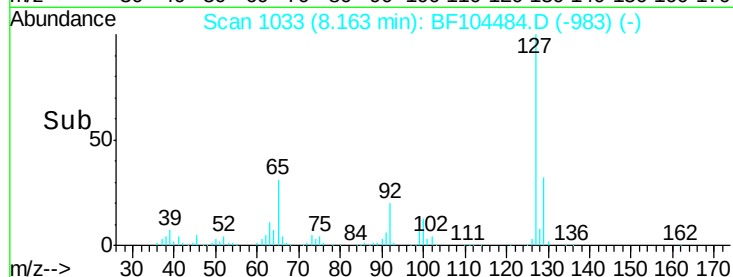


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34

Hexachlorobutadiene

Concen: 36.948 ng

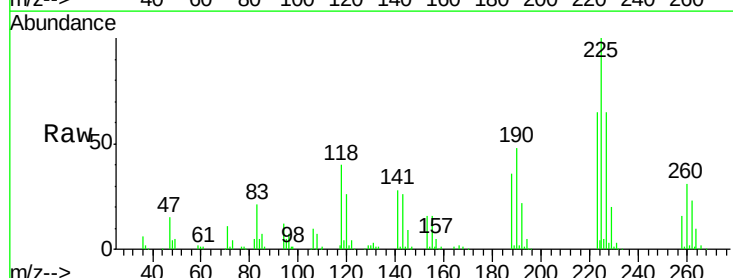
RT: 8.23 min Scan# 1044

Delta R.T. -0.01 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

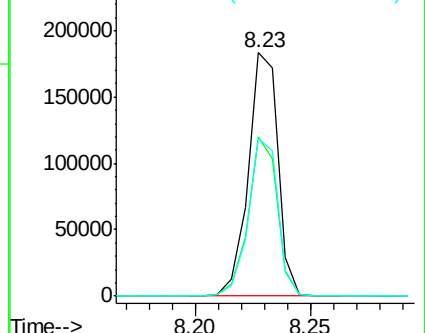
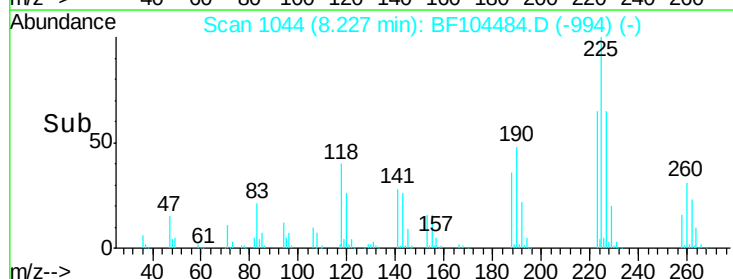
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	65.2	50.6	76.0		
227	64.7	51.9	77.9		

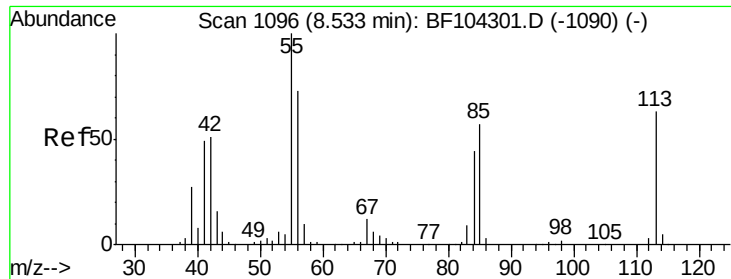


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





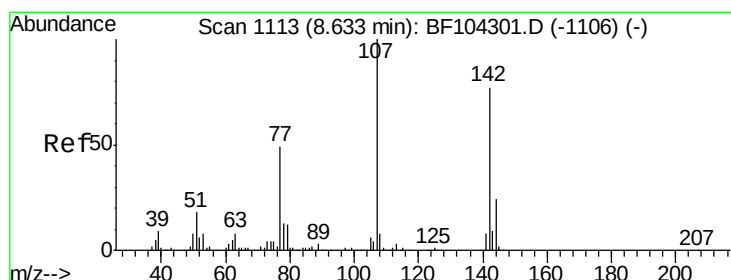
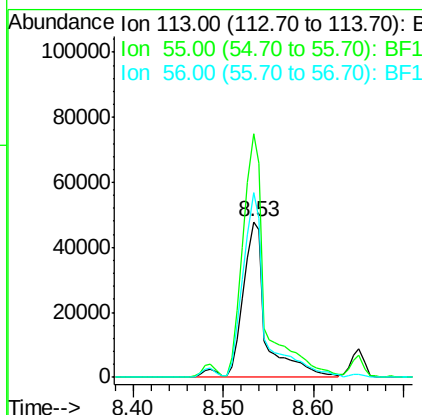
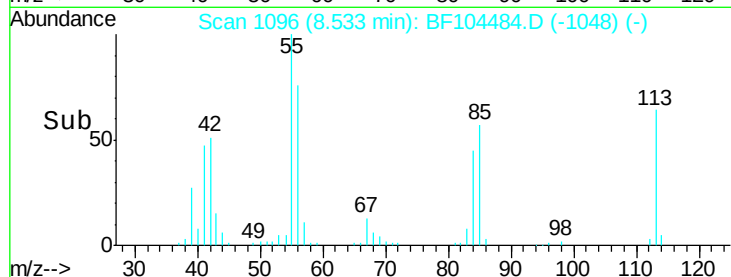
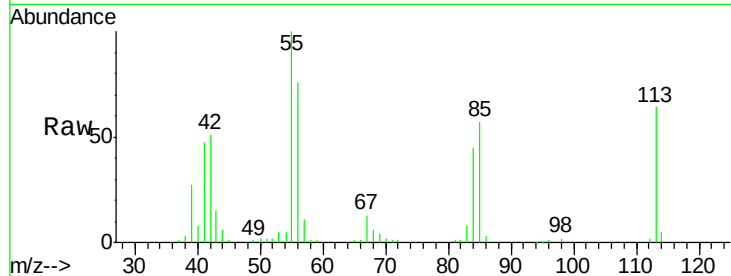
#35
 Caprolactam
 Concen: 32.740 ng/ml
 RT: 8.53 min Scan# 1096
 Delta R.T. -0.02 min
 Lab File: BF104484.D
 Acq: 13 Apr 2018 17:47

Instrument :
 BNA_F
 ClientSampleID :
 NAA-WS-001MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	156.5	163.3	203.3#
56	118.9	115.7	155.7

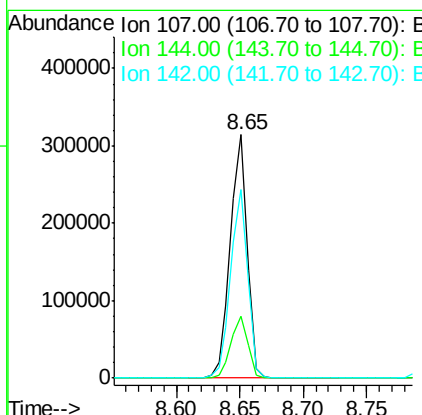
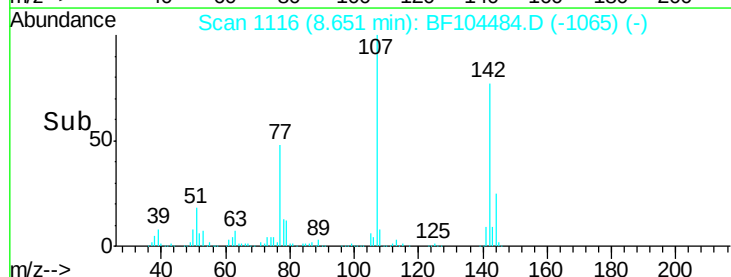
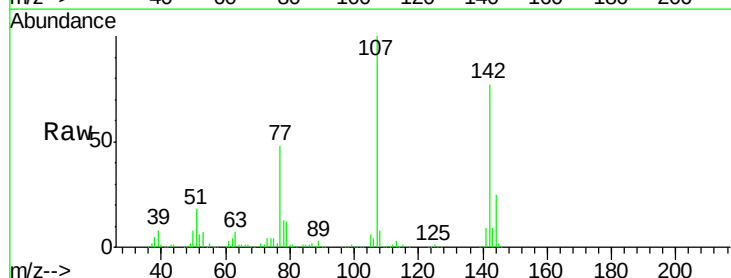
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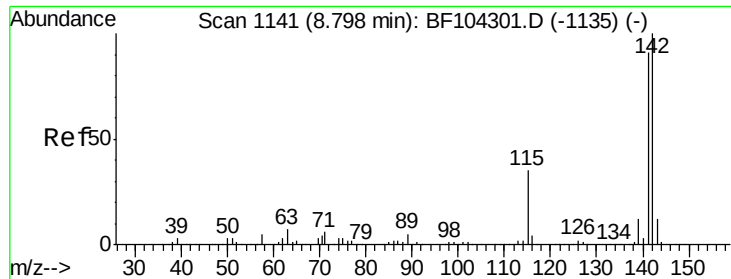
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#36
 4-Chloro-3-methylphenol
 Concen: 36.423 ng/ml
 RT: 8.65 min Scan# 1116
 Delta R.T. -0.00 min
 Lab File: BF104484.D
 Acq: 13 Apr 2018 17:47

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.2	20.5	30.7
142	77.4	62.0	93.0





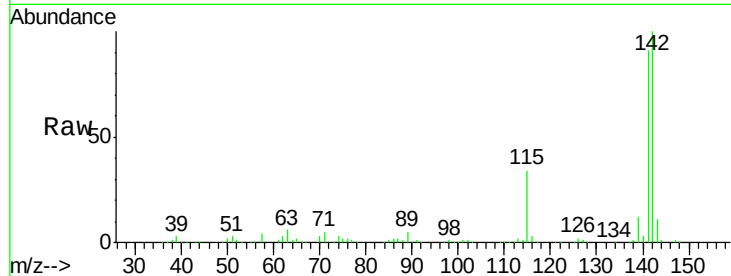
#37
2-Methylnaphthalene
Concen: 32.228 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.00 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Instrument :
BNA_F
ClientSampleId :
NAA-WS-001MSD

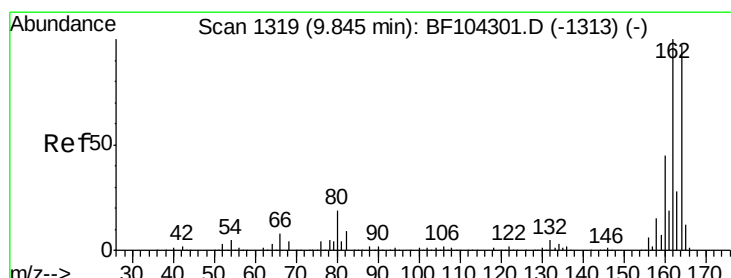
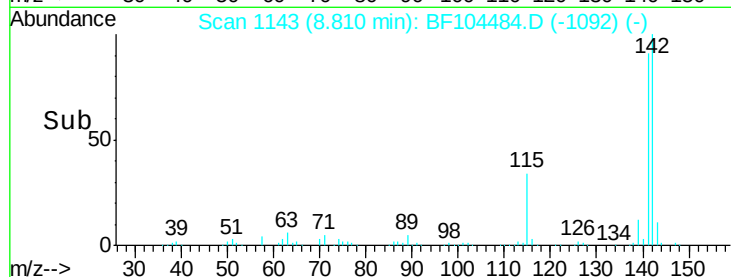
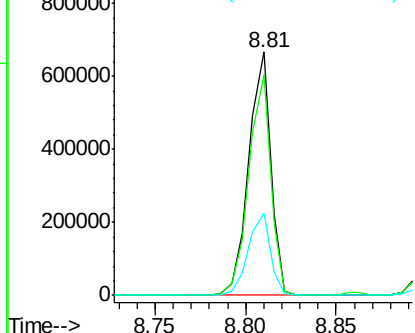
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.6	70.8	106.2
115	33.9	26.1	39.1

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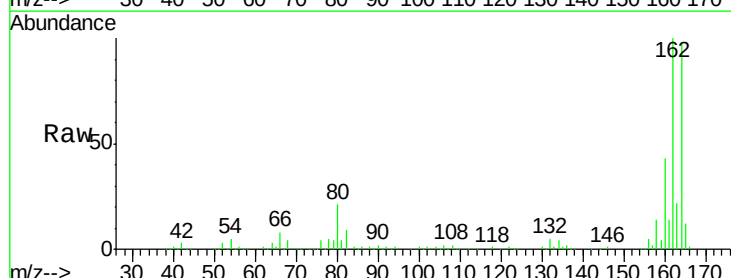


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

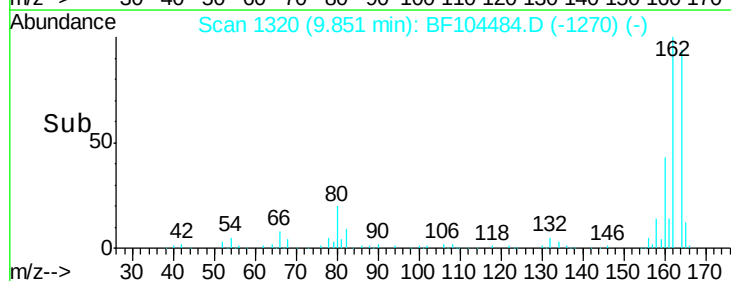
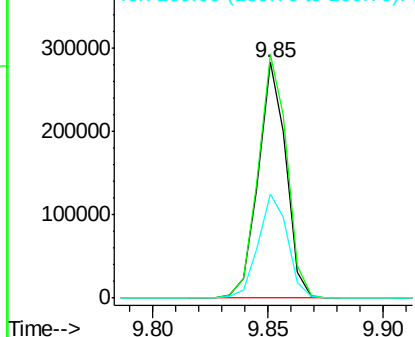


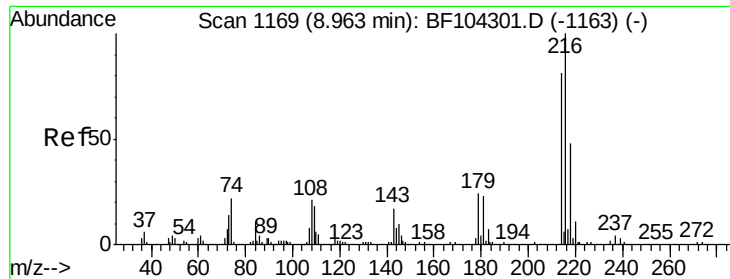
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	86.1	129.1
160	44.5	38.3	57.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





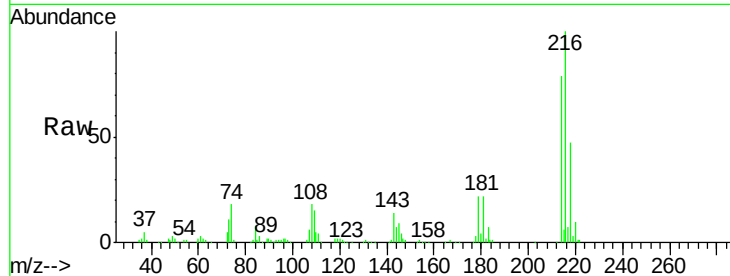
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 38.110 ng
 RT: 8.97 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: BF104484.D
 Acq: 13 Apr 2018 17:47

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-001MSD

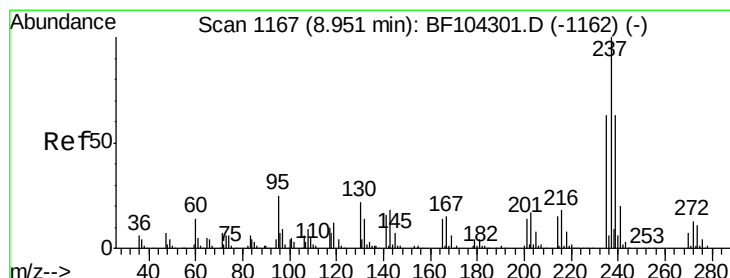
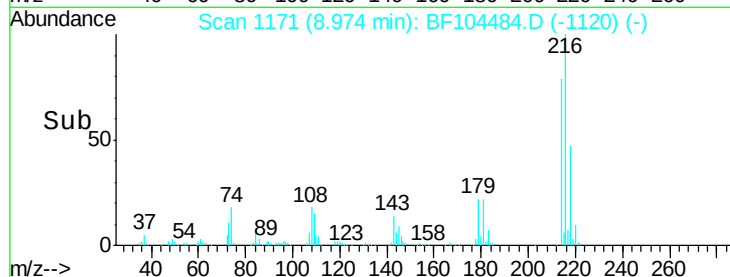
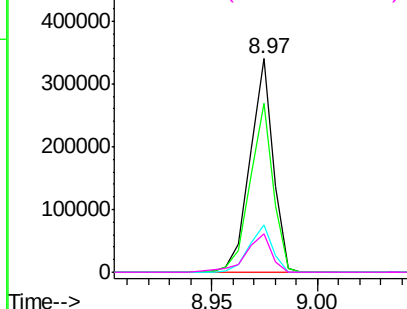
Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		258764		
214	79.1		63.0	94.4	
179	22.5		18.1	27.1	
108	20.0		17.2	25.8	

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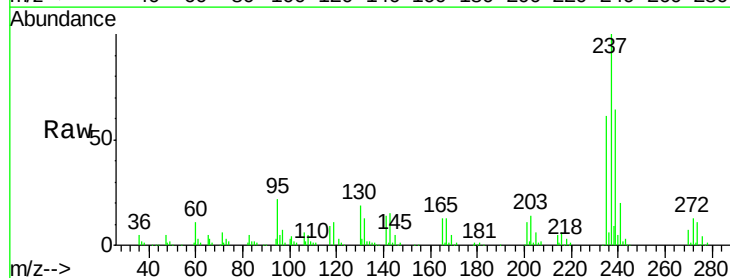


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

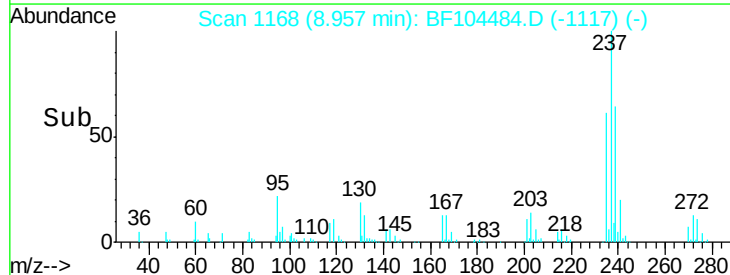
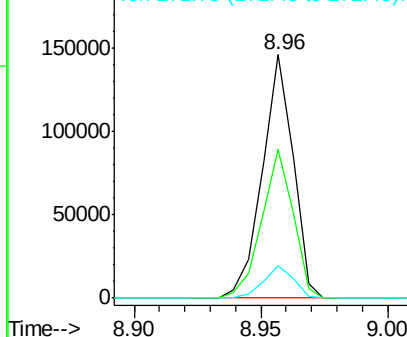


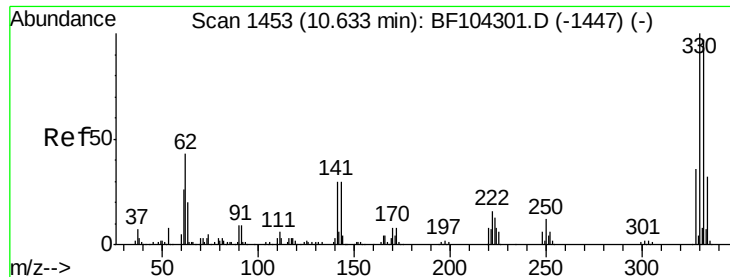
#40
 Hexachlorocyclopentadiene
 Concen: 32.516 ng
 RT: 8.96 min Scan# 1168
 Delta R.T. -0.00 min
 Lab File: BF104484.D
 Acq: 13 Apr 2018 17:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		123600		
235	61.2		44.8	84.8	
272	13.2		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: 109.218 ng

RT: 10.64 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

Instrument :

BNA_F

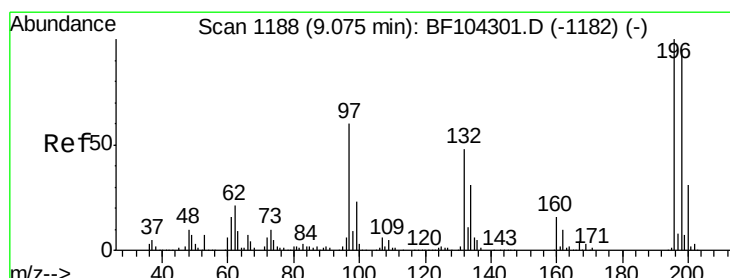
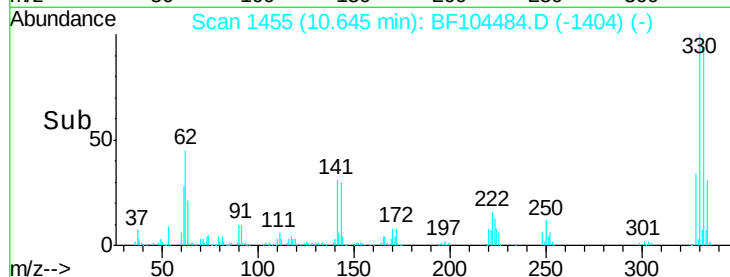
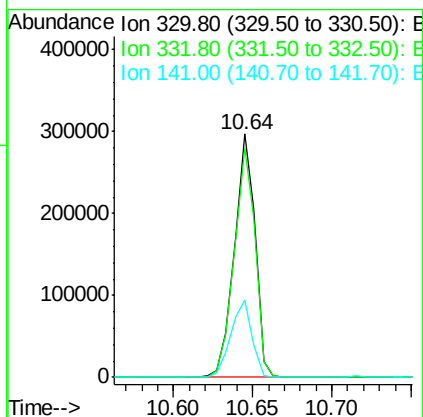
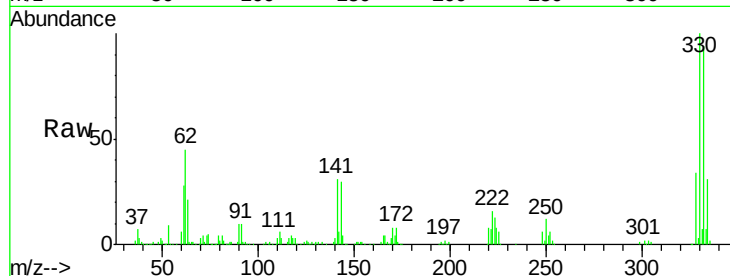
ClientSampleId :

NAA-WS-001MSD

Tot Ion:	330	Resp:	268729
Ion Ratio	Lower	Upper	
330	100		
332	96.2	77.0	115.6
141	32.6	29.9	44.9

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#42

2,4,6-Trichlorophenol

Concen: 39.600 ng

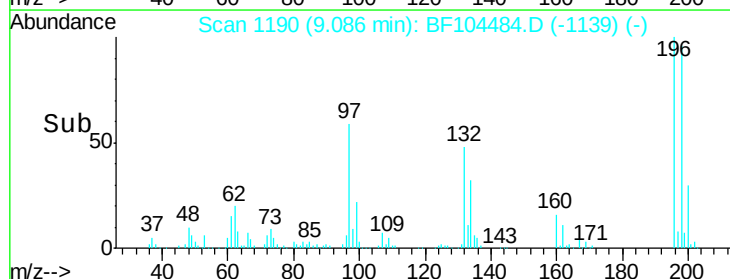
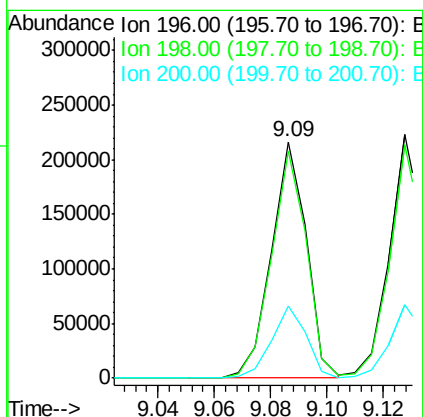
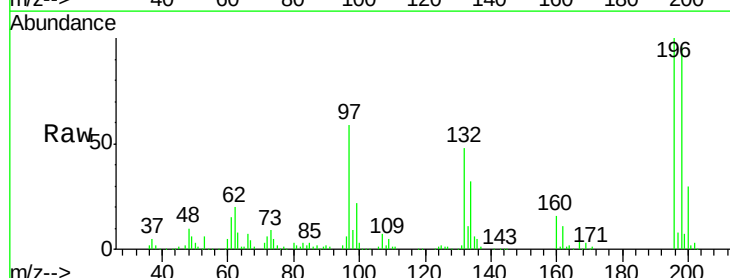
RT: 9.09 min Scan# 1190

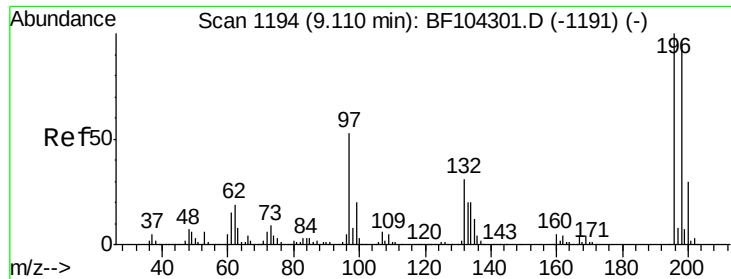
Delta R.T. -0.00 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

Tgt Ion:	196	Resp:	186650
Ion Ratio	Lower	Upper	
196	100		
198	96.2	75.7	113.5
200	30.3	24.5	36.7





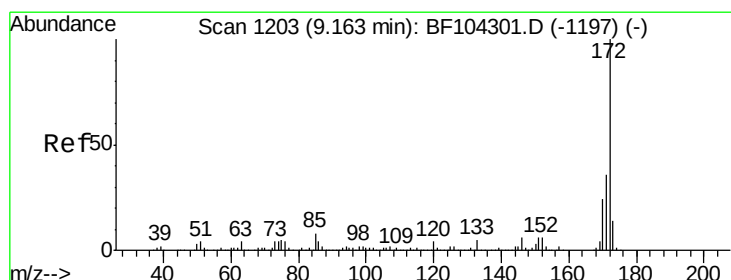
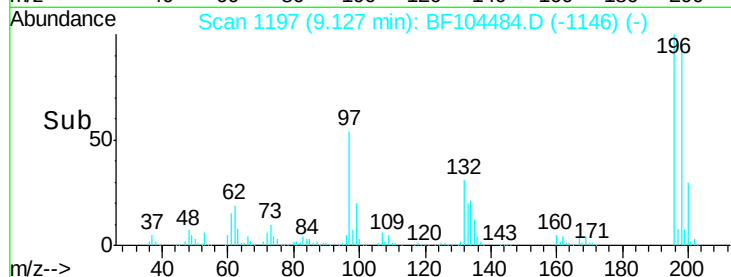
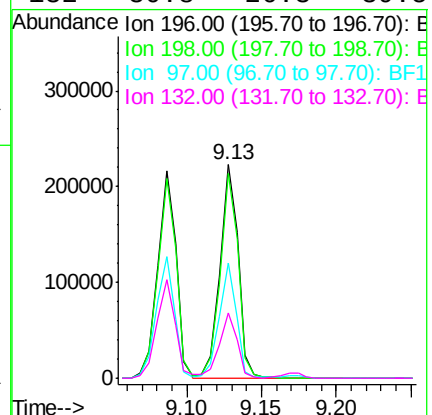
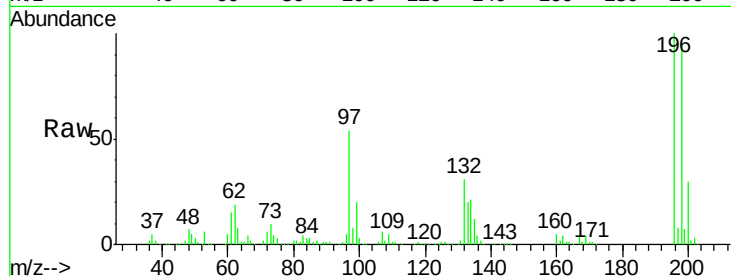
#43
 2,4,5-Trichlorophenol
 Concen: 36.236 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.00 min
 Lab File: BF104484.D
 Acq: 13 Apr 2018 17:47

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-001MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		191125		
198	95.9	74.6	112.0		
97	53.8	42.9	64.3		
132	30.8	26.3	39.5		

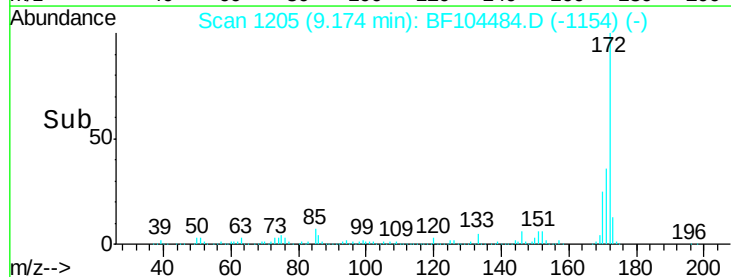
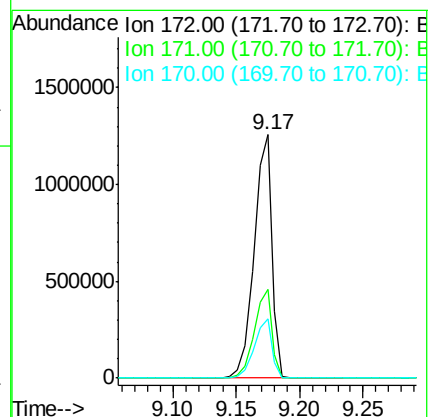
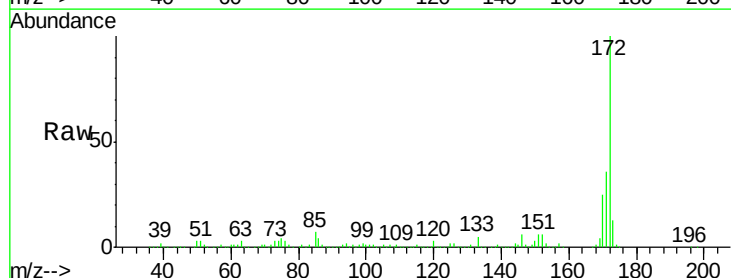
Manual Integrations
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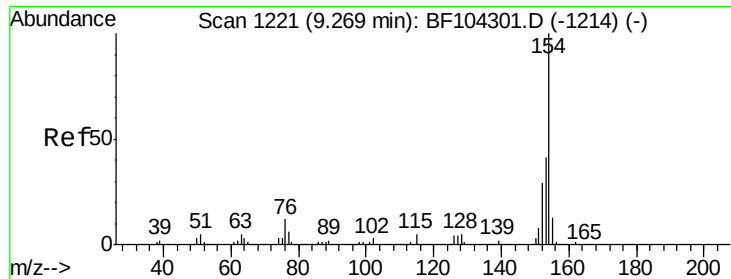
Sohil
 4/16/2018 3:10:14 PM



#44
 2-Fluorobiphenyl
 Concen: 81.825 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF104484.D
 Acq: 13 Apr 2018 17:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		1228579		
171	36.3	29.7	44.5		
170	24.5	19.6	29.4		





#45

1,1'-Biphenyl

Concen: 36.173 ng

RT: 9.27 min Scan# 1222

Delta R.T. -0.00 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

Instrument :

BNA_F

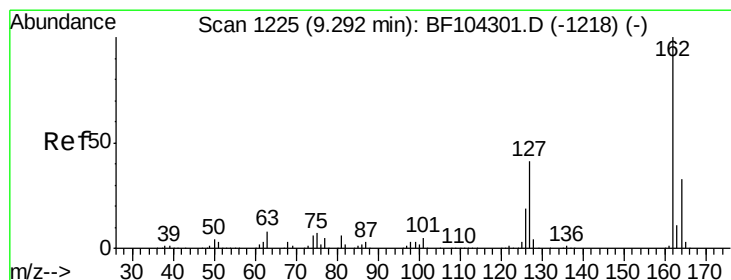
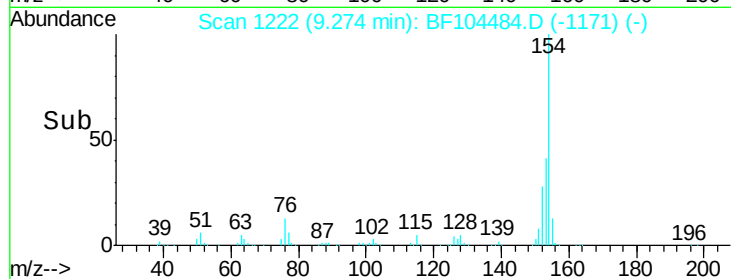
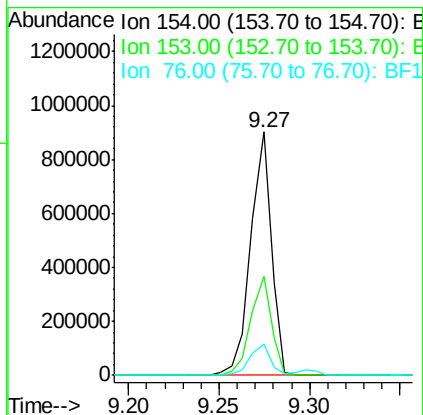
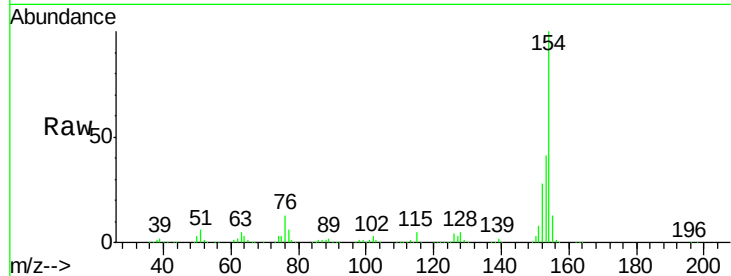
ClientSampleId :

NAA-WS-001MSD

Tot Ion:	154	Resp:	720784
Ion Ratio	Lower	Upper	
154	100		
153	40.7	21.3	61.3
76	13.0	0.0	34.0

Manual Integrations
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4/16/2018 3:10:14 PM



#46

2-Chloronaphthalene

Concen: 36.873 ng

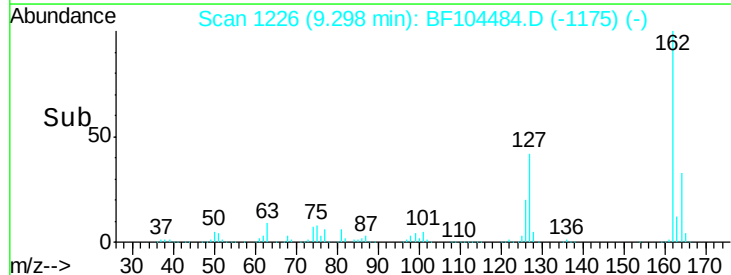
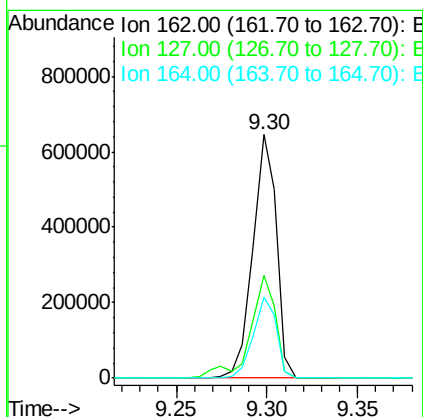
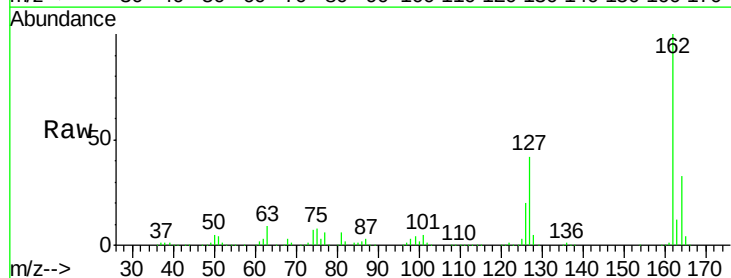
RT: 9.30 min Scan# 1226

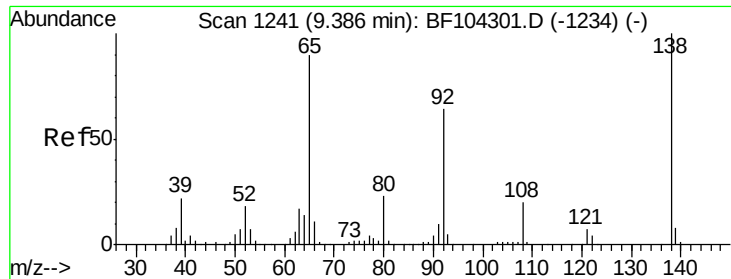
Delta R.T. -0.00 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

Tgt Ion:	162	Resp:	580337
Ion Ratio	Lower	Upper	
162	100		
127	42.2	33.9	50.9
164	33.4	26.5	39.7





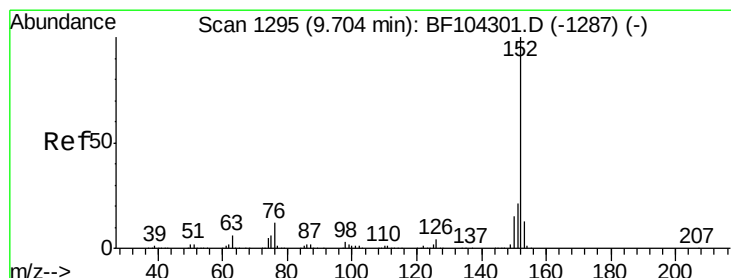
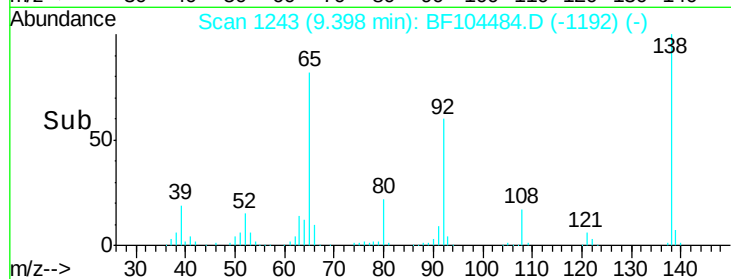
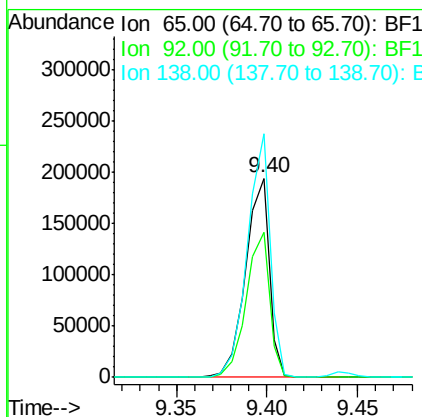
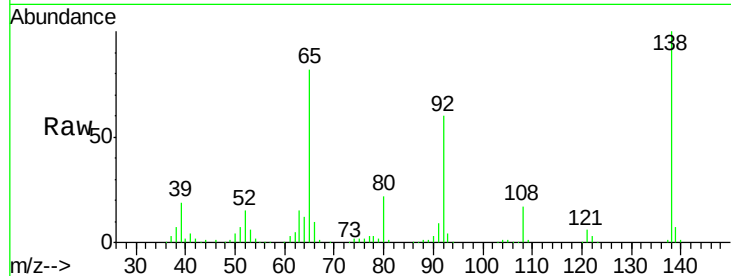
#47
2-Nitroaniline
Concen: 45.631 ng
RT: 9.40 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Instrument :
BNA_F
ClientSampleId :
NAA-WS-001MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	73.1	55.8	83.6
138	122.2	91.2	136.8

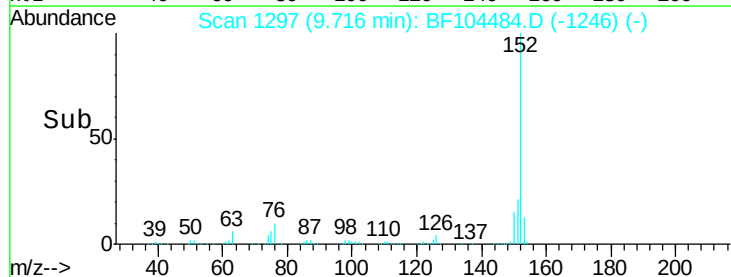
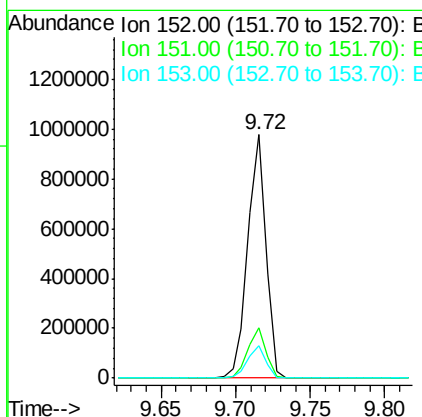
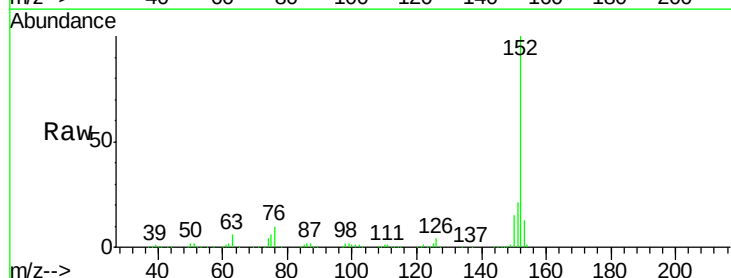
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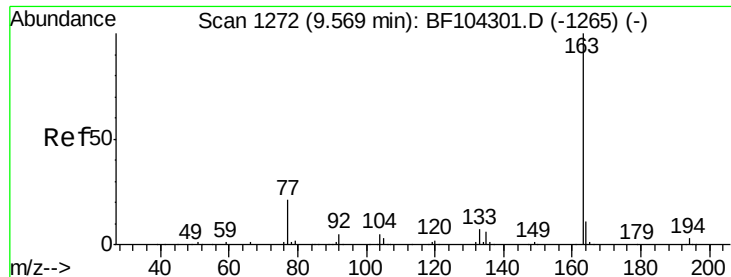
Sohil
4/16/2018 3:10:14 PM



#48
Acenaphthylene
Concen: 33.395 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.00 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.3	24.5
153	13.4	10.7	16.1





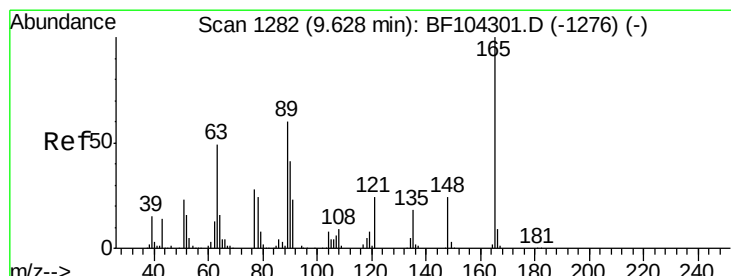
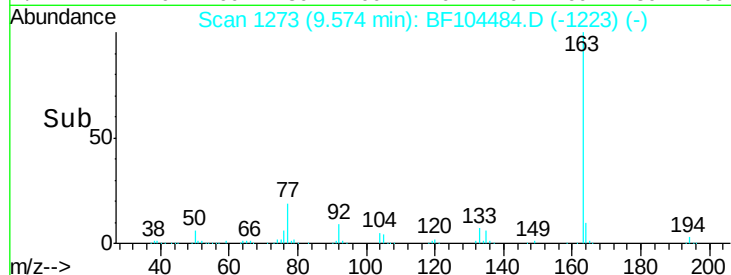
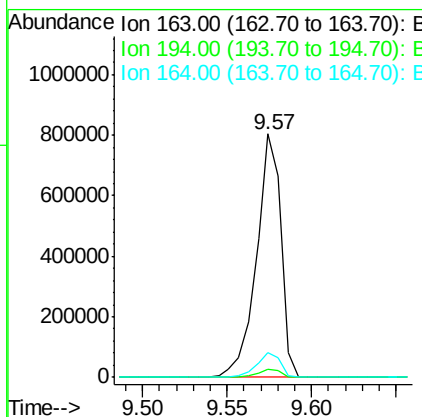
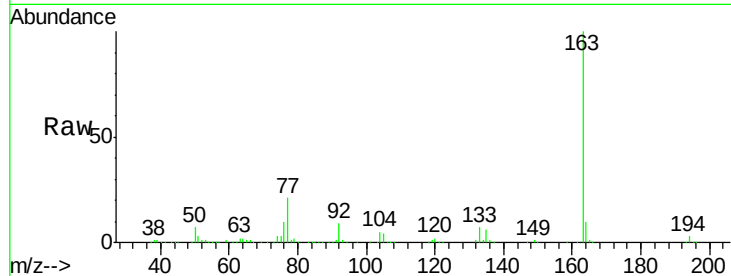
#49
Dimethylphthalate
Concen: 43.178 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Instrument :
BNA_F
ClientSampleId :
NAA-WS-001MSD

Tot Ion	Ratio	Resp	Lower	Upper
163	100	807636		
194	3.3	2.7	4.1	
164	10.3	8.2	12.2	

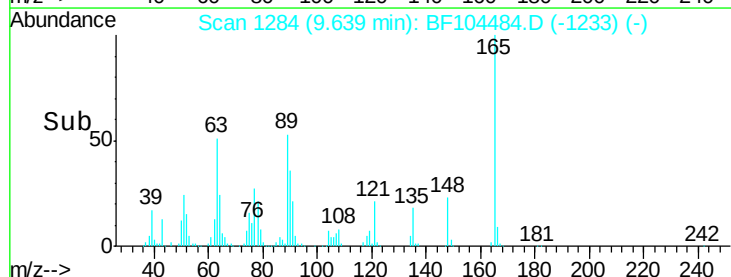
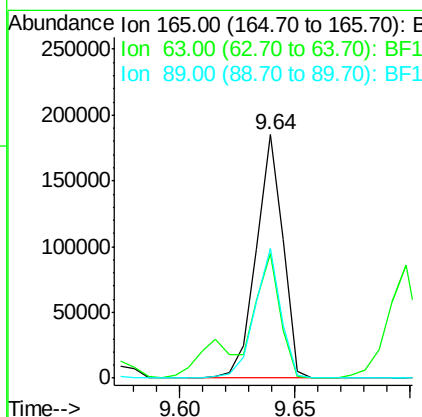
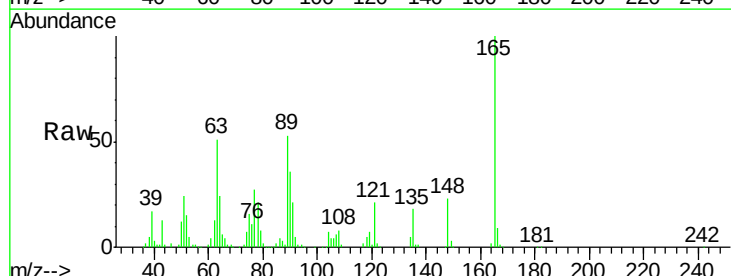
Manual Integrations
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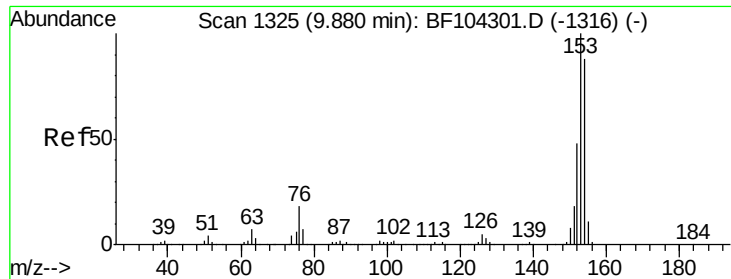
Sohil
4/16/2018 3:10:14 PM



#50
2,6-Dinitrotoluene
Concen: 43.246 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	149678		
63	51.3	44.7	67.1	
89	53.3	44.0	66.0	





#51

Acenaphthene

Concen: 31.854 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

Instrument :

BNA_F

ClientSampleId :

NAA-WS-001MSD

Tot Ion:154 Resp: 479939

Ion Ratio Lower Upper

154 100

153 115.1 91.2 136.8

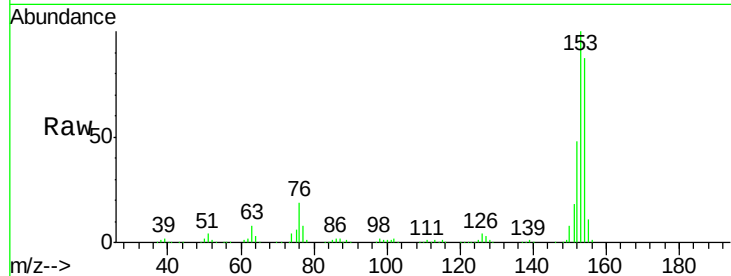
152 55.0 43.8 65.8

Manual Integrations

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Sohil

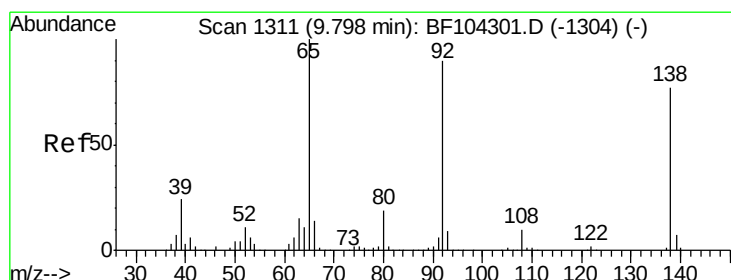
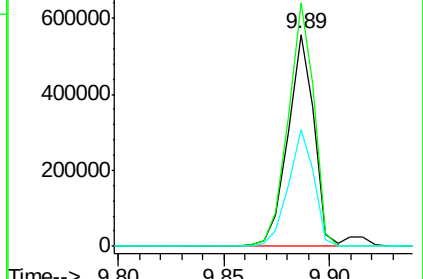
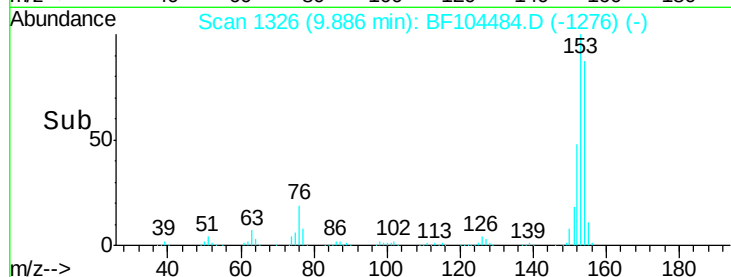
4/16/2018 3:10:14 PM



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: 31.201 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.00 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

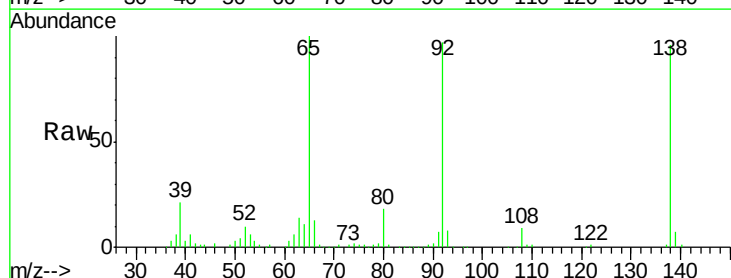
Tgt Ion:138 Resp: 126424

Ion Ratio Lower Upper

138 100

108 9.8 9.4 14.0

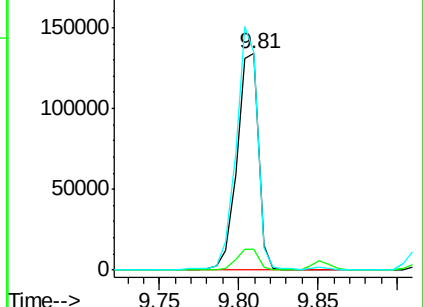
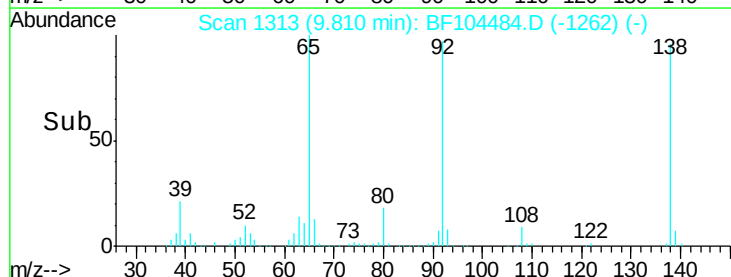
92 101.0 89.4 134.2

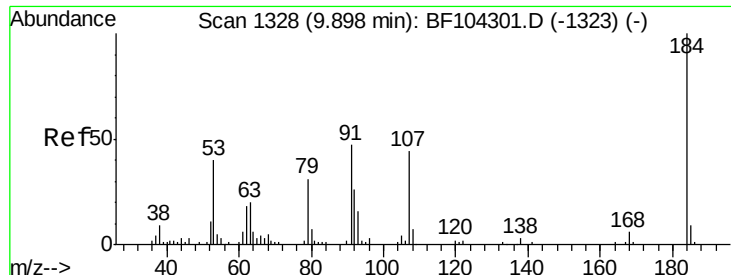


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1





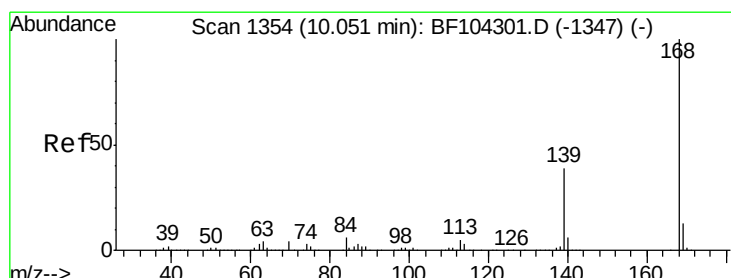
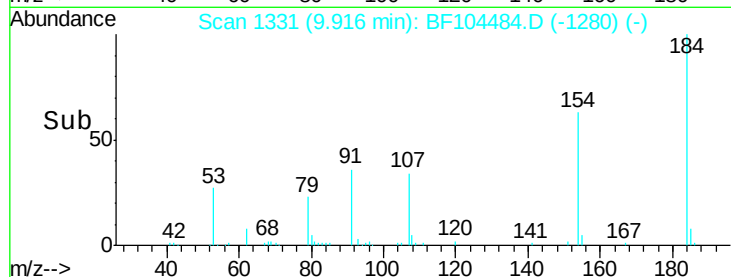
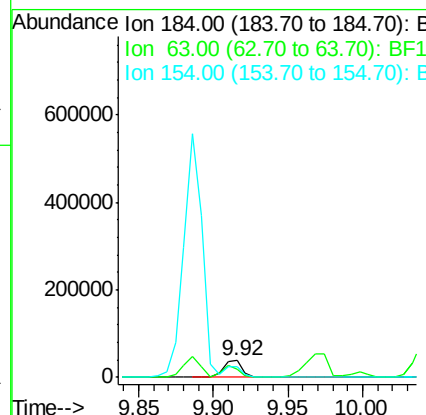
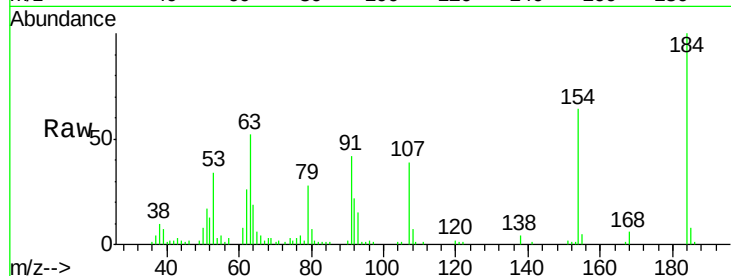
#53
 2,4-Dinitrophenol
 Concen: 35.229 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: BF104484.D
 Acq: 13 Apr 2018 17:47

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-001MSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	52.0	54.2	81.2#
154	63.8	184.0	276.0#

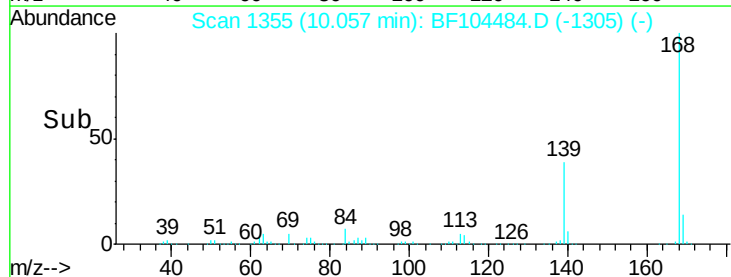
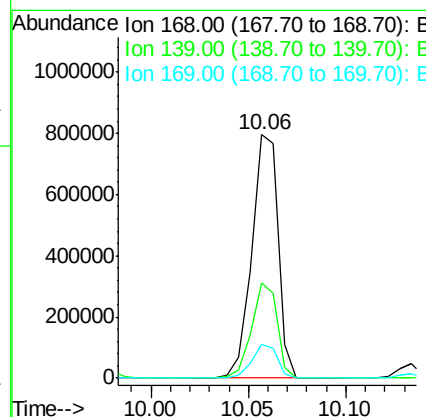
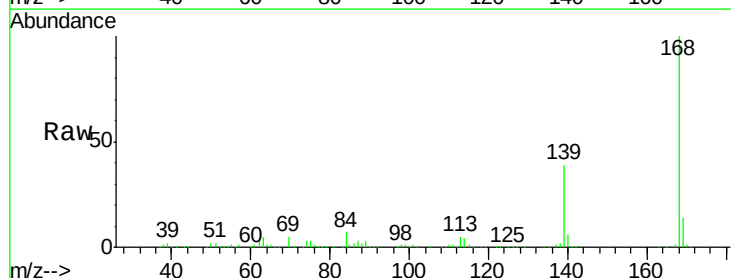
Manual Integrations
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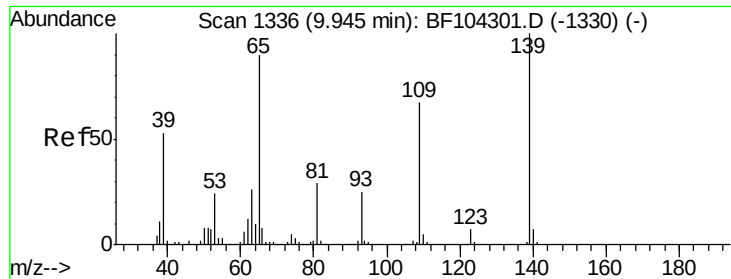
Sohil
 4/16/2018 3:10:14 PM



#54
 Dibenzofuran
 Concen: 35.276 ng
 RT: 10.06 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: BF104484.D
 Acq: 13 Apr 2018 17:47

Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.2	30.1	45.1
169	13.8	10.9	16.3





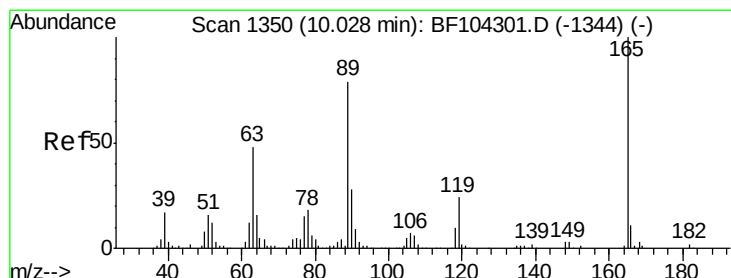
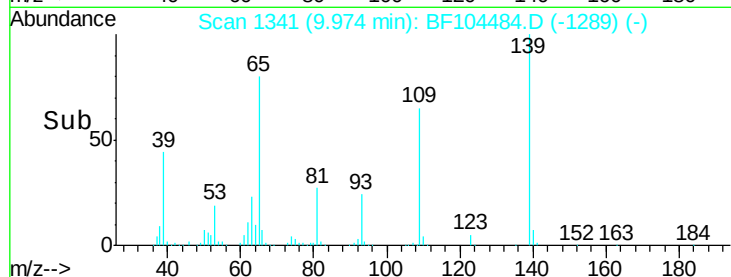
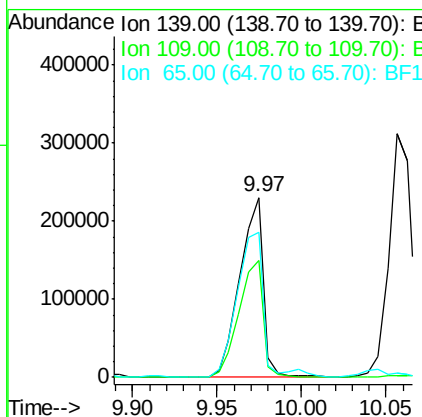
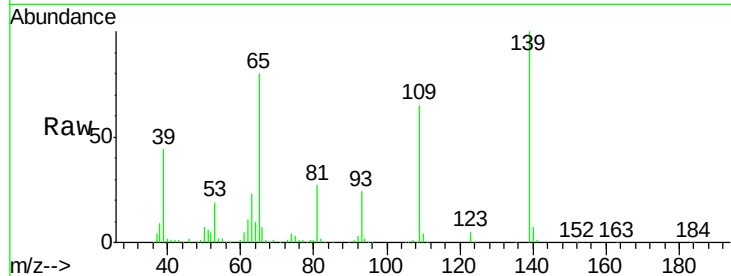
#55
4-Nitrophenol
Concen: 70.507 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.01 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Instrument :
BNA_F
ClientSampleId :
NAA-WS-001MSD

Tot Ion	Ratio	Lower	Upper
139	100		
109	64.7	48.4	88.4
65	80.2	72.6	112.6

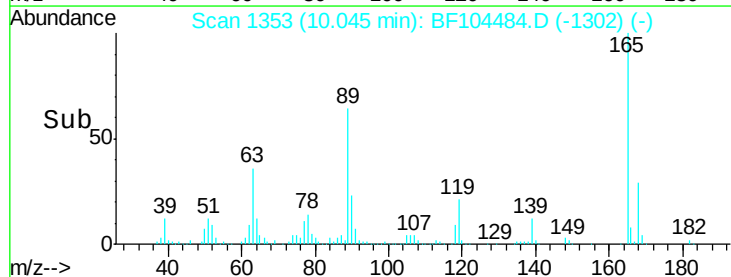
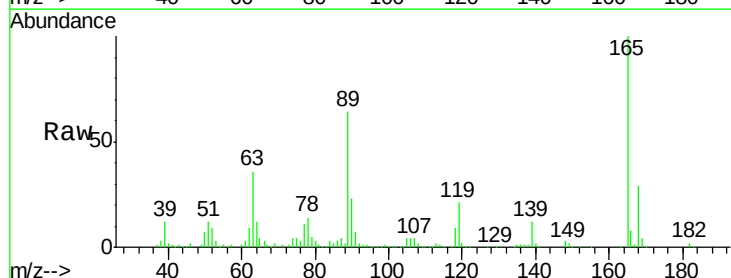
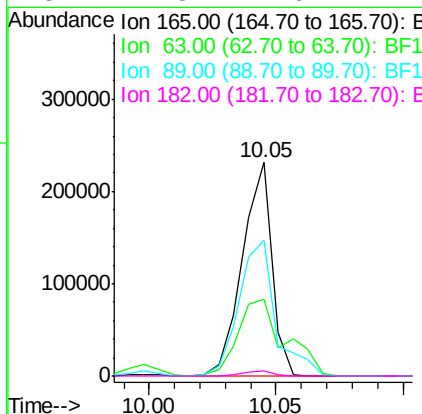
Manual Integrations
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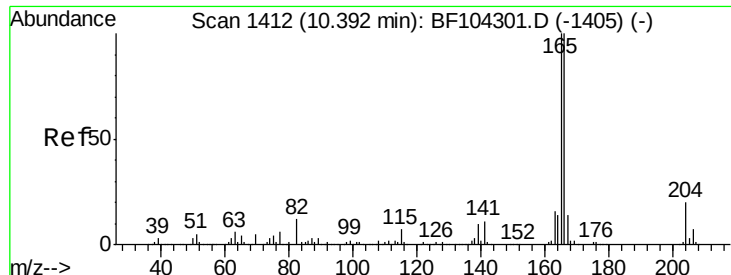
Sohil
4/16/2018 3:10:14 PM



#56
2,4-Dinitrotoluene
Concen: 41.353 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.00 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Tgt Ion	Ratio	Lower	Upper
165	100		
63	36.2	36.4	54.6#
89	63.8	57.8	86.6
182	2.3	1.6	2.4





#57

Fluorene

Concen: 34.303 ng

RT: 10.40 min Scan# 1414

Delta R.T. -0.00 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

Instrument :

BNA_F

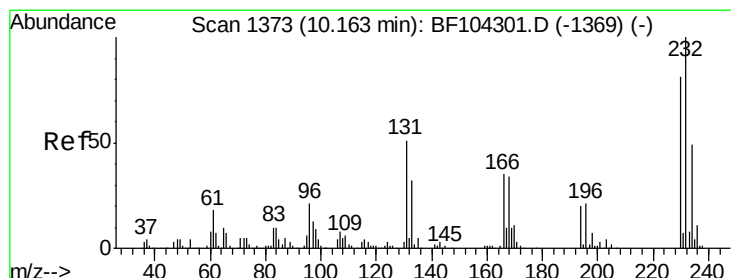
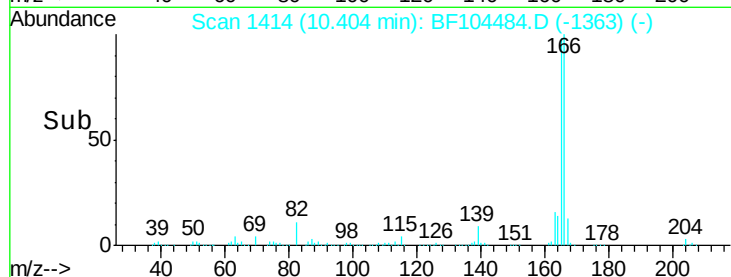
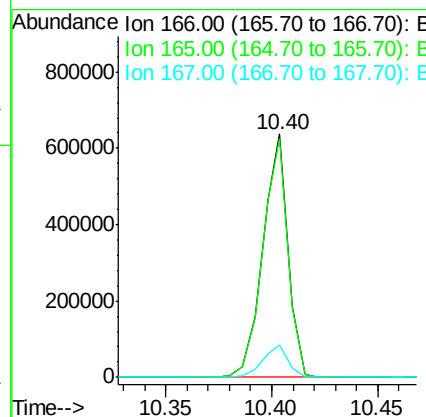
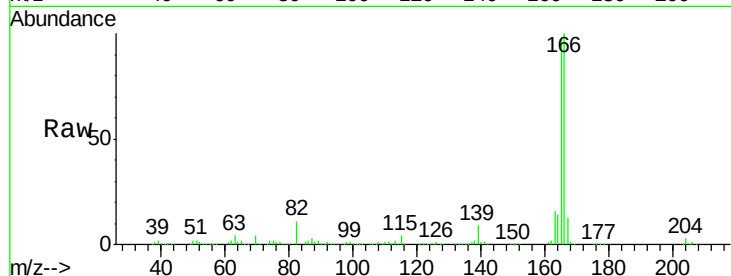
ClientSampleId :

NAA-WS-001MSD

Tot Ion:	166	Resp:	524258
Ion Ratio	Lower	Upper	
166	100		
165	97.8	79.8	119.8
167	13.4	10.6	16.0

Manual Integrations
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Sohil
4/16/2018 3:10:14 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 35.278 ng

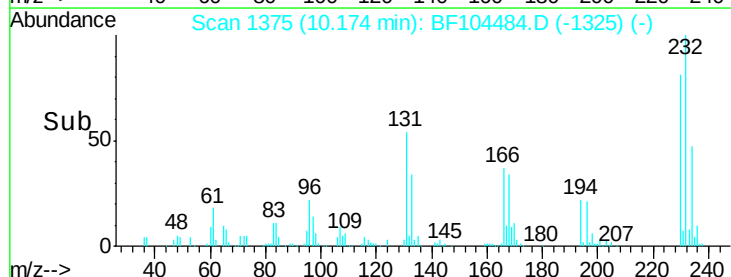
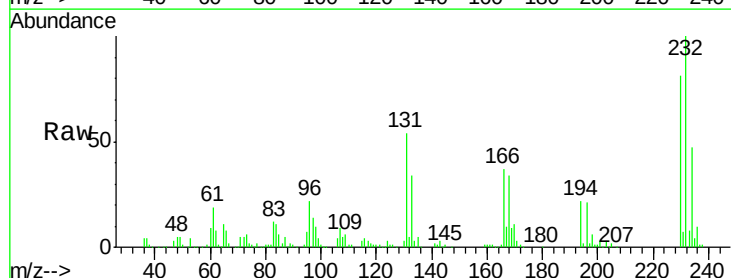
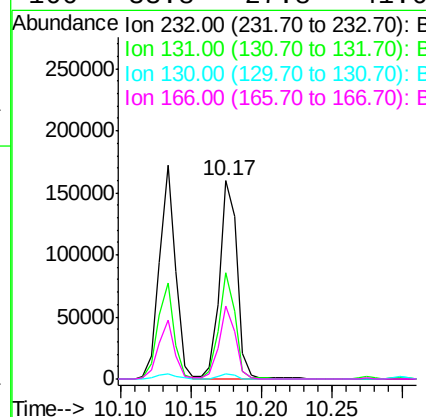
RT: 10.17 min Scan# 1375

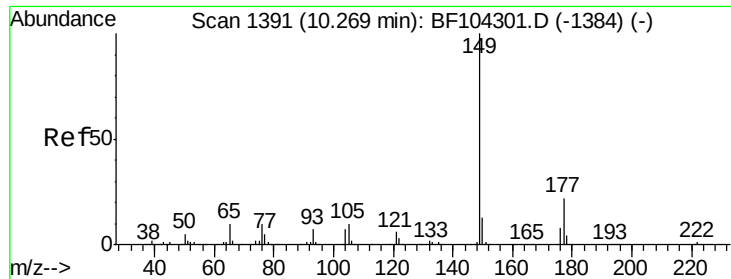
Delta R.T. -0.01 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

Tgt Ion:	232	Resp:	138817
Ion Ratio	Lower	Upper	
232	100		
131	50.0	43.8	65.8
130	2.4	2.1	3.1
166	33.8	27.8	41.6





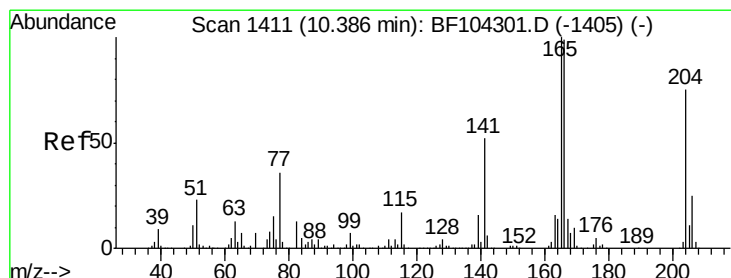
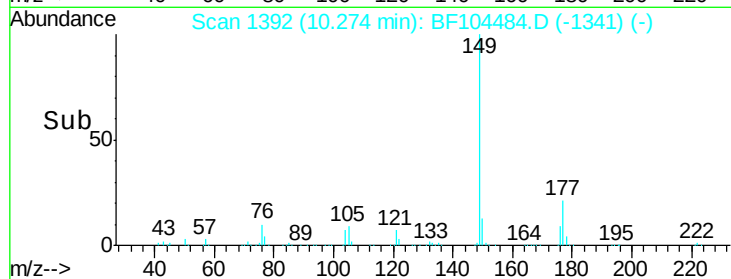
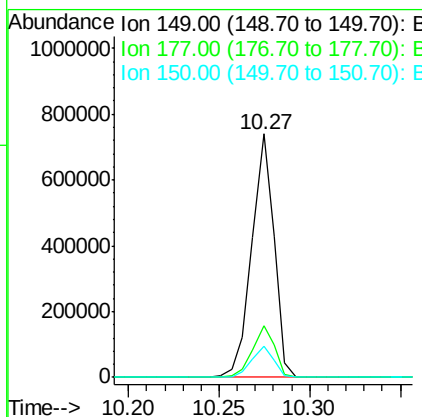
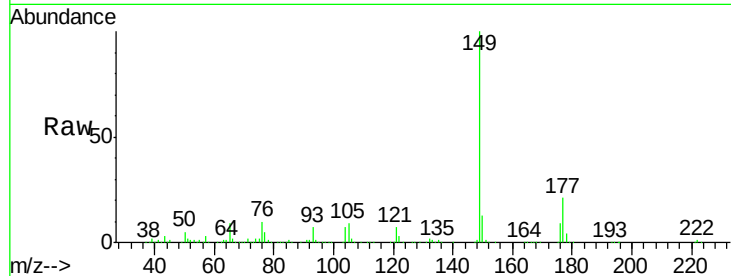
#59
Diethylphthalate
Concen: 34.014 ng
RT: 10.27 min Scan# 1392
Delta R.T. -0.00 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Instrument :
BNA_F
ClientSampleId :
NAA-WS-001MSD

Tot Ion	Ratio	Lower	Upper
149	100		
177	21.0	16.1	24.1
150	12.7	10.1	15.1

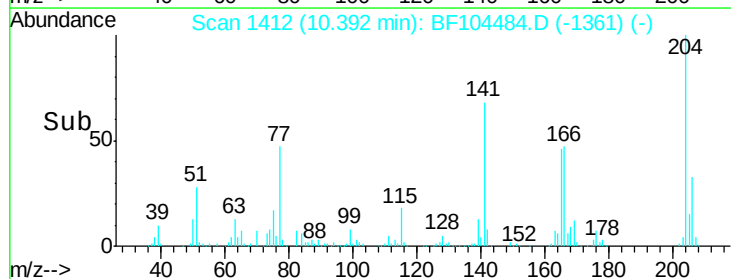
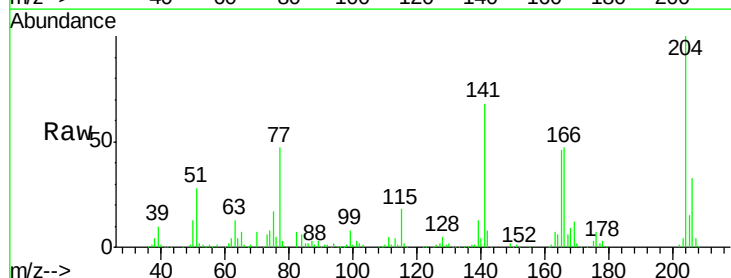
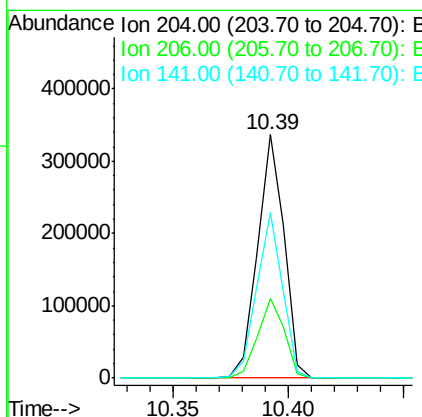
Manual Integrations
APPROVED

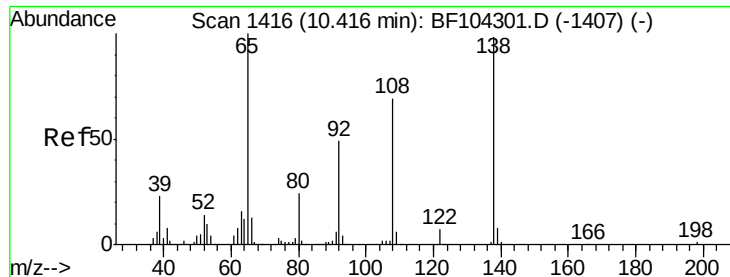
Sohil
4/16/2018 3:10:14 PM



#60
4-Chlorophenyl-phenylether
Concen: 39.697 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.00 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.5	39.7
141	68.1	54.6	81.8





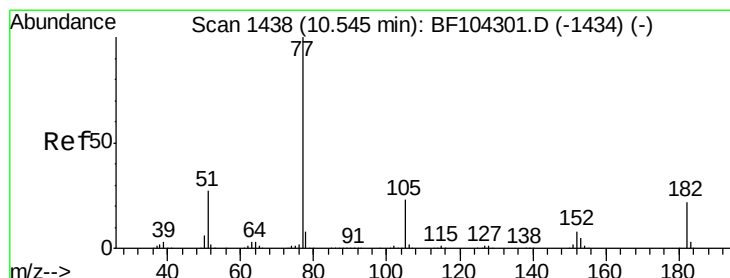
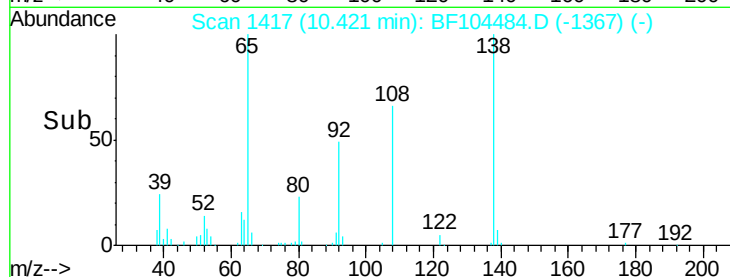
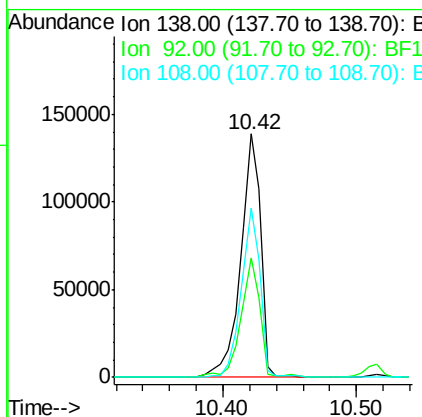
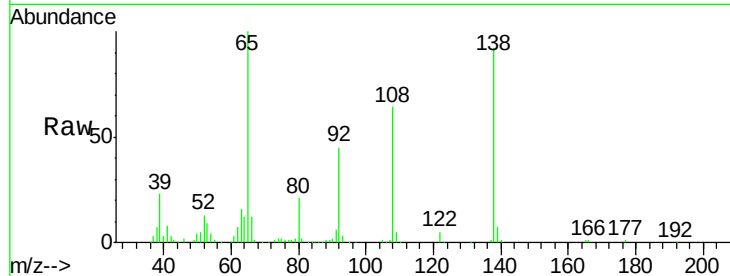
#61
4-Nitroaniline
Concen: 36.330 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Instrument :
BNA_F
ClientSampleId :
NAA-WS-001MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	49.3	30.2	70.2
108	69.3	52.5	92.5

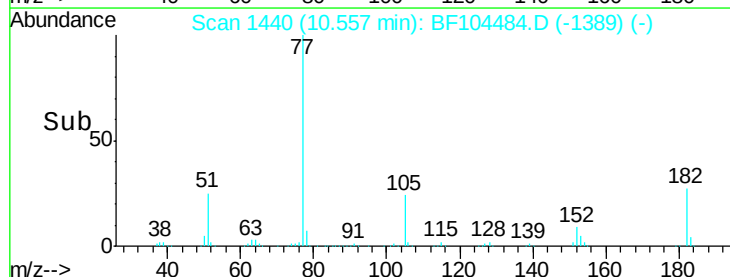
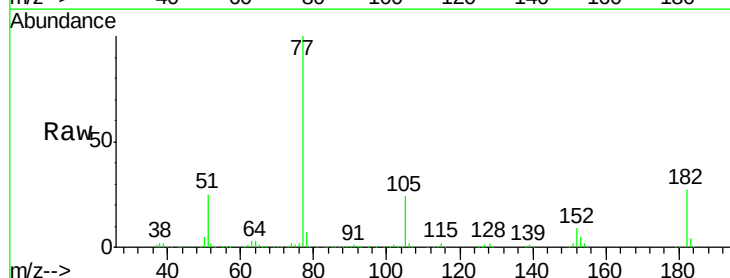
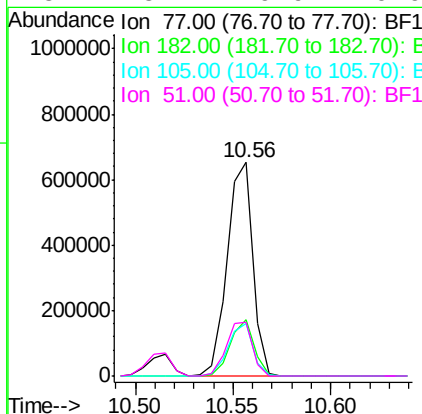
Manual Integrations
APPROVED

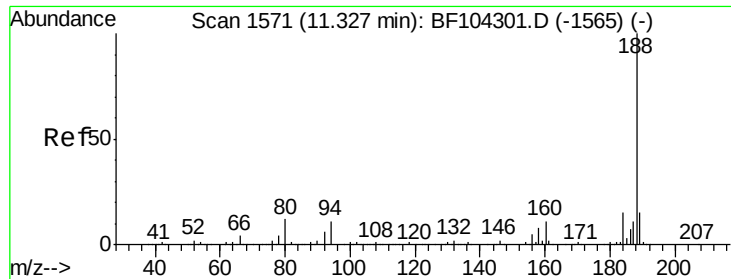
Sohil
4/16/2018 3:10:14 PM



#62
Azobenzene
Concen: 33.401 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.00 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Tgt Ion	Ratio	Lower	Upper
77	100		
182	26.6	1.7	41.7
105	24.3	3.0	43.0
51	25.4	9.9	49.9





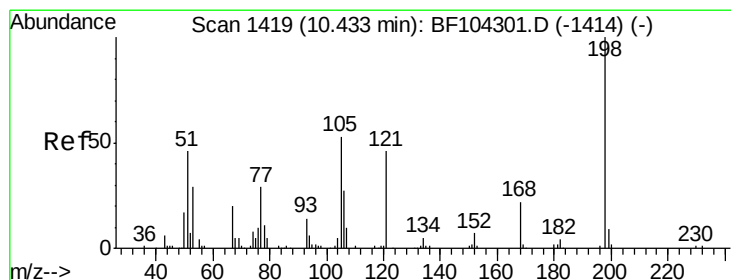
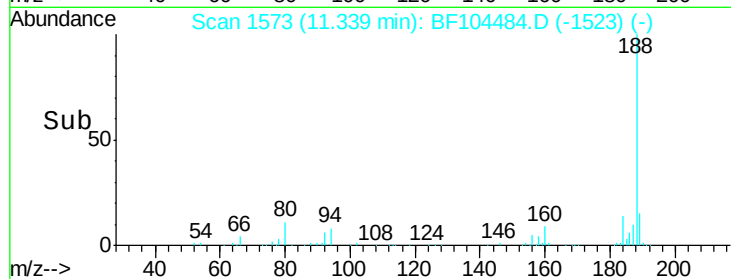
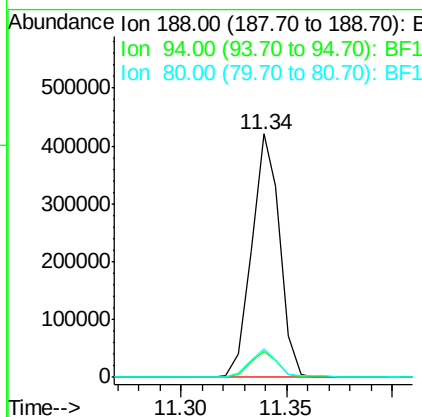
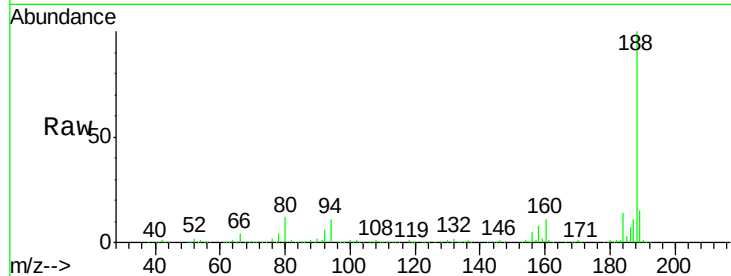
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Instrument :
BNA_F
ClientSampleId :
NAA-WS-001MSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100	383934		
94	10.8		8.5	12.7
80	11.7		9.2	13.8

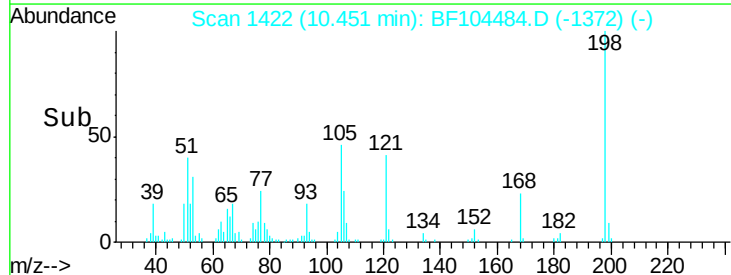
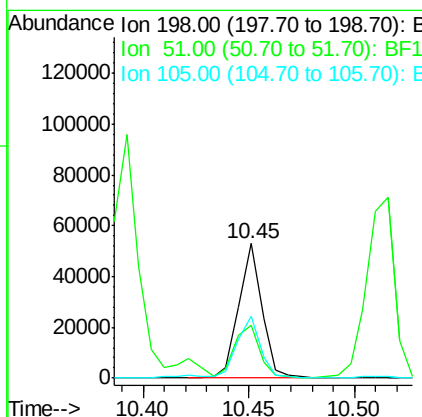
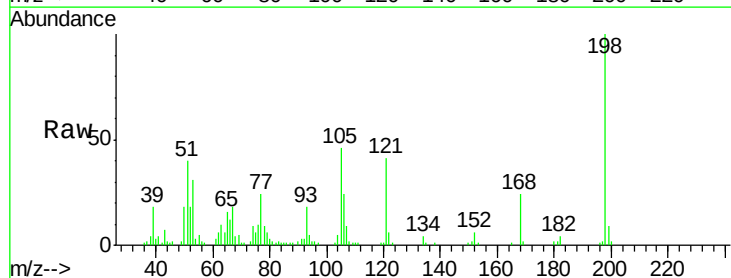
Manual Integrations
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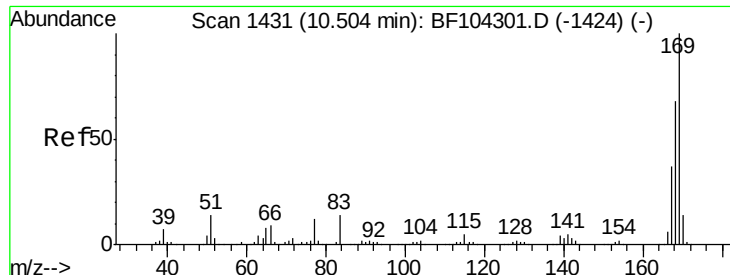
Sohil
4/16/2018 3:10:14 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 25.536 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	40157		
51	39.8		37.7	77.7
105	46.5		36.3	76.3





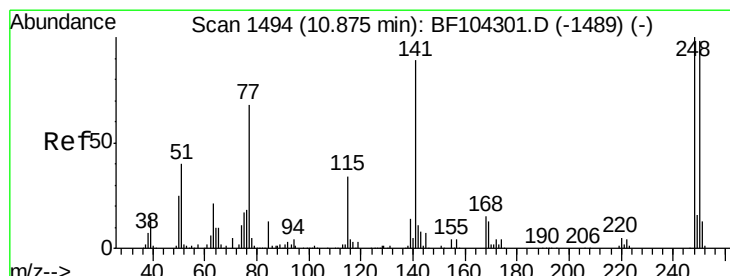
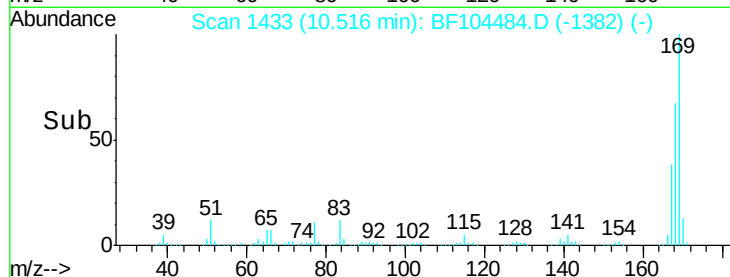
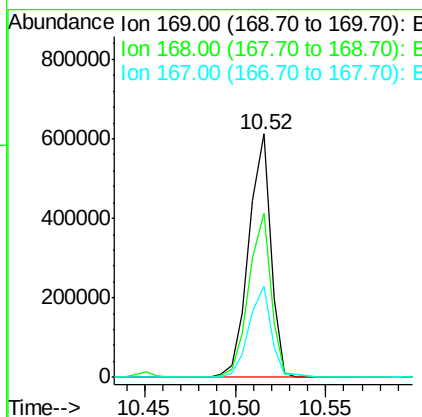
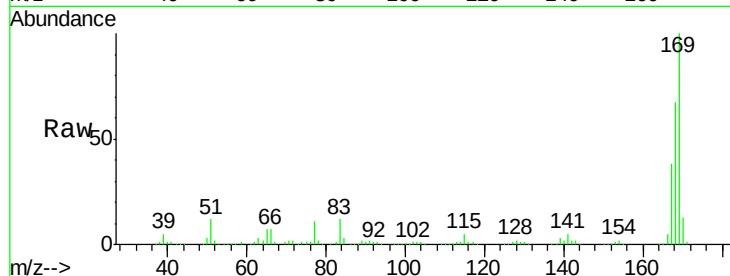
#65
 n-Nitrosodiphenylamine
 Concen: 38.885 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: BF104484.D
 Acq: 13 Apr 2018 17:47

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-001MSD

Tot Ion	Ratio	Lower	Upper
169	100		
168	67.3	54.4	81.6
167	37.6	29.8	44.6

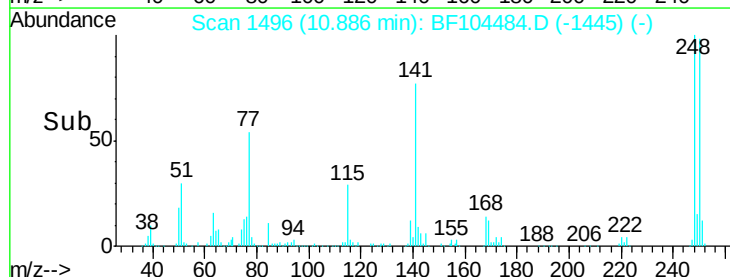
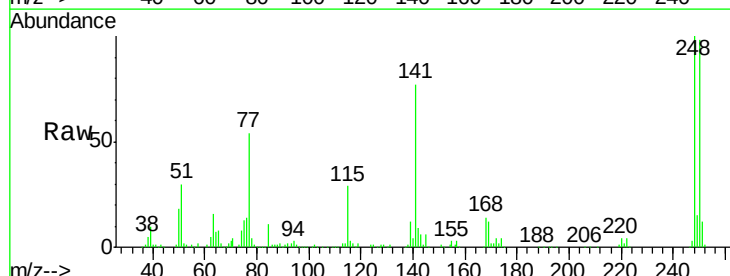
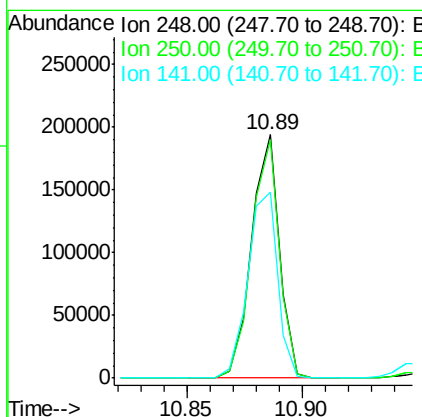
Manual Integrations
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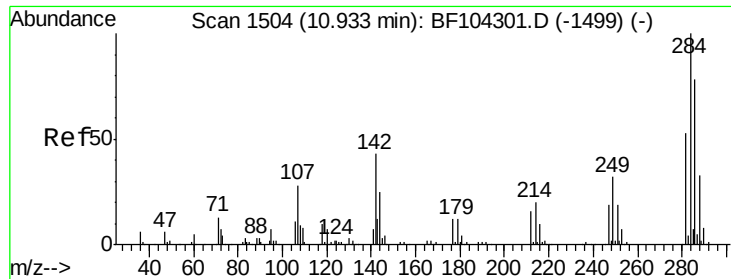
Sohil
 4/16/2018 3:10:14 PM



#66
 4-Bromophenyl-phenylether
 Concen: 40.260 ng
 RT: 10.89 min Scan# 1496
 Delta R.T. -0.00 min
 Lab File: BF104484.D
 Acq: 13 Apr 2018 17:47

Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.1	76.9	115.3
141	76.5	74.4	111.6





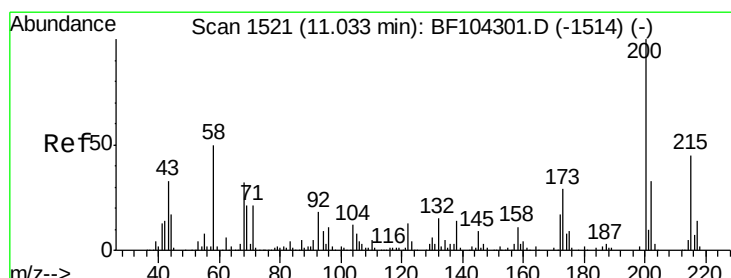
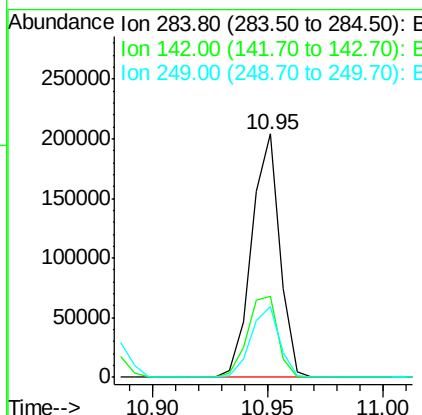
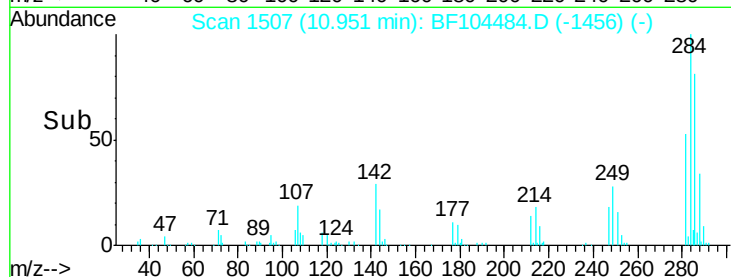
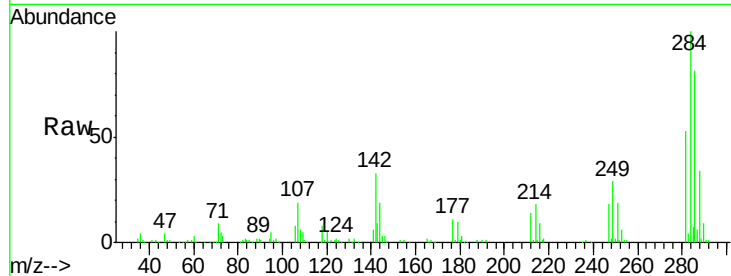
#67
Hexachlorobenzene
Concen: 37.819 ng
RT: 10.95 min Scan# 1507
Delta R.T. -0.00 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Instrument :
BNA_F
ClientSampleId :
NAA-WS-001MSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100	173787		
142	33.2	34.6	52.0#	
249	29.3	24.8	37.2	

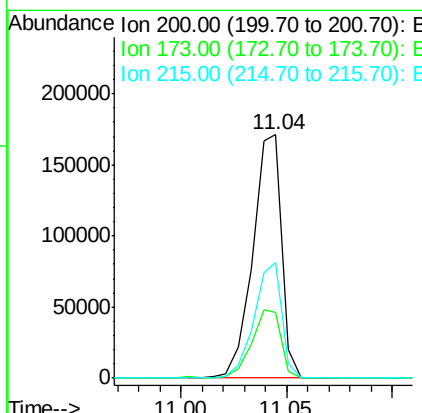
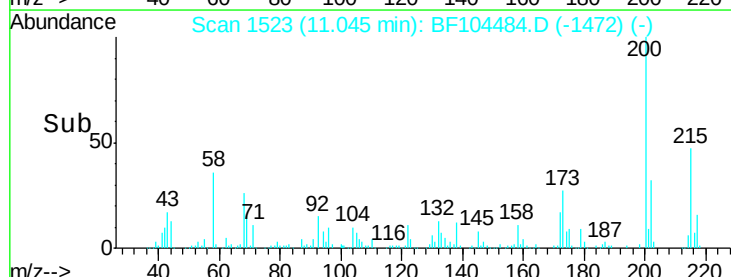
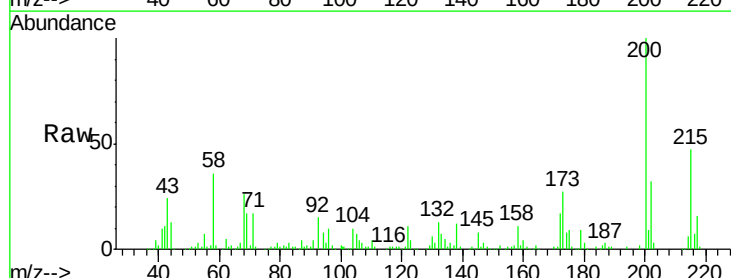
Manual Integrations
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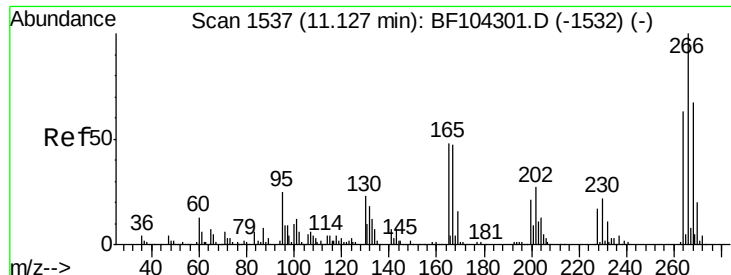
Sohil
4/16/2018 3:10:14 PM



#68
Atrazine
Concen: 40.538 ng
RT: 11.04 min Scan# 1523
Delta R.T. -0.00 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	162890		
173	26.8	8.6	48.6	
215	47.3	25.1	65.1	





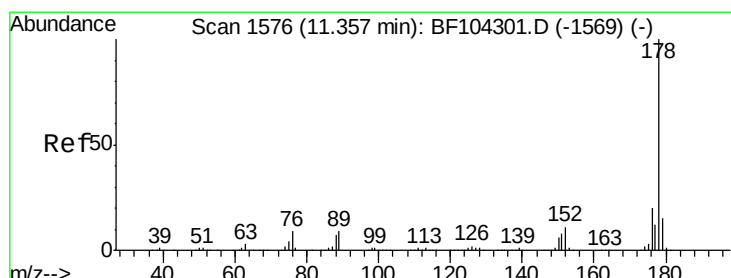
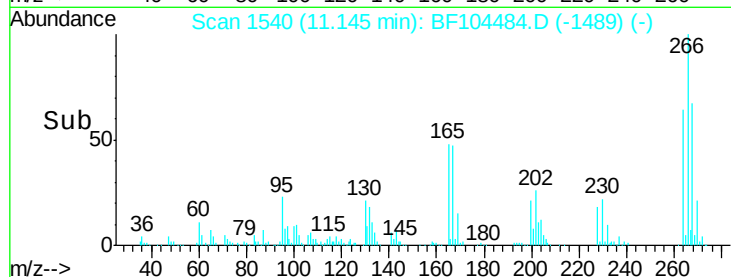
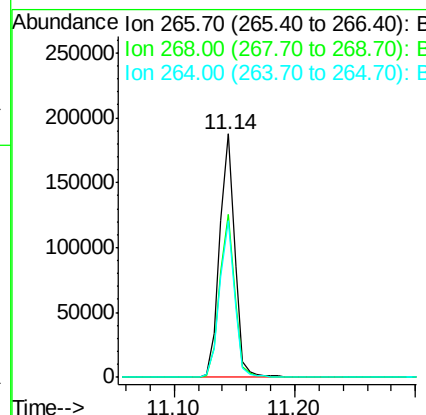
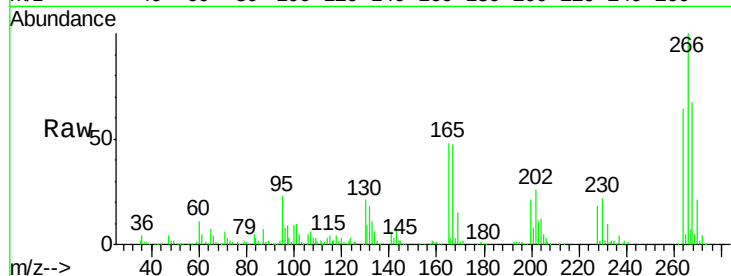
#69
 Pentachlorophenol
 Concen: 56.686 ng
 RT: 11.14 min Scan# 1540
 Delta R.T. -0.00 min
 Lab File: BF104484.D
 Acq: 13 Apr 2018 17:47

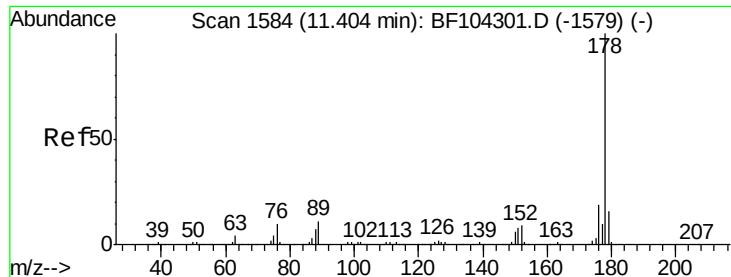
Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-001MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	161146		
268	66.9	51.1	76.7	
264	64.2	49.5	74.3	

Manual Integrations
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Sohil
 4/16/2018 3:10:14 PM





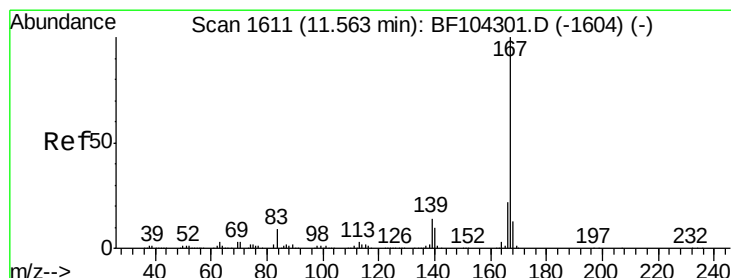
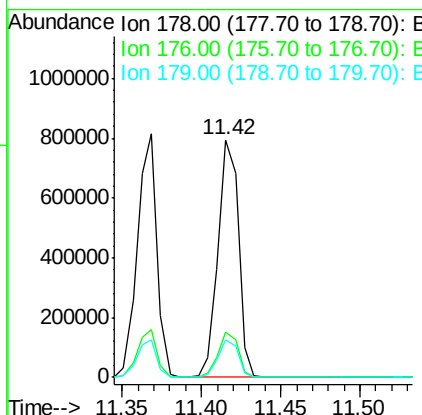
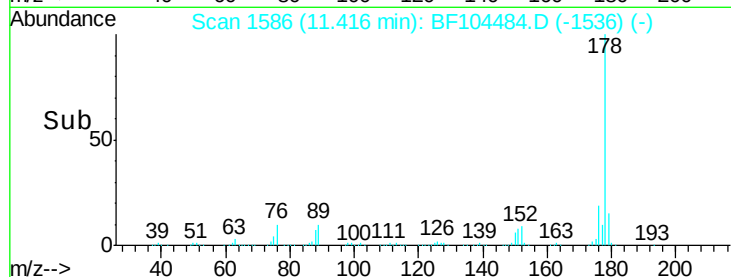
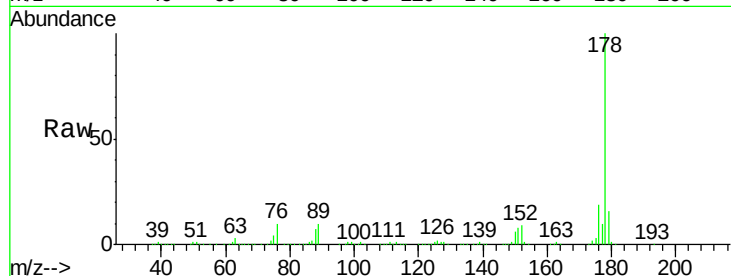
#71
 Anthracene
 Concen: 32.794 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: BF104484.D
 Acq: 13 Apr 2018 17:47

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-001MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.7	12.6	19.0

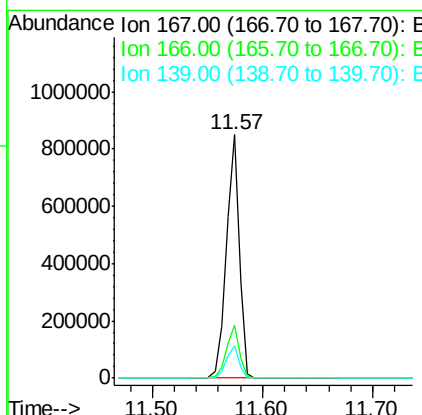
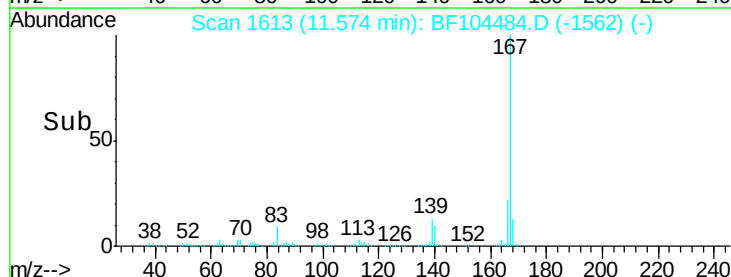
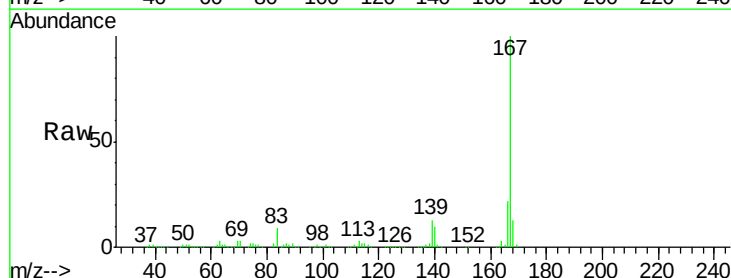
Manual Integrations
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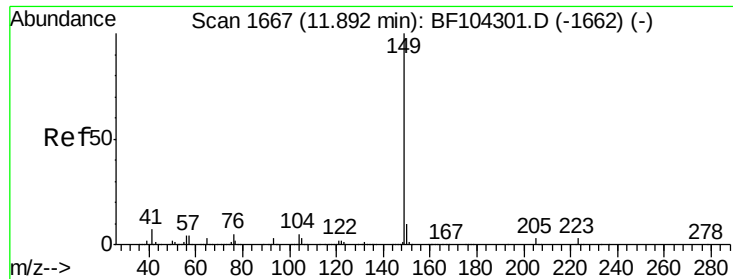
Sohil
 4/16/2018 3:10:14 PM



#72
 Carbazole
 Concen: 33.016 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. -0.00 min
 Lab File: BF104484.D
 Acq: 13 Apr 2018 17:47

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.6	26.4
139	13.4	10.9	16.3





#73

Di-n-butylphthalate

Concen: 35.364 ng

RT: 11.90 min Scan# 1668

Delta R.T. -0.01 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

Instrument :

BNA_F

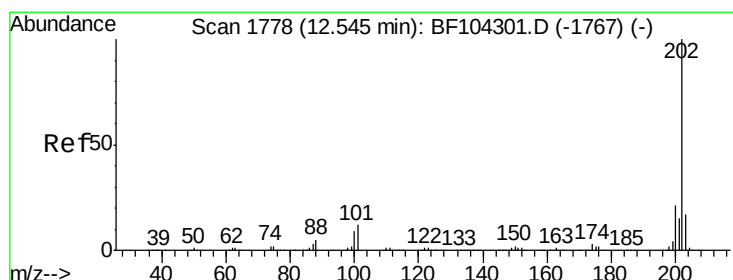
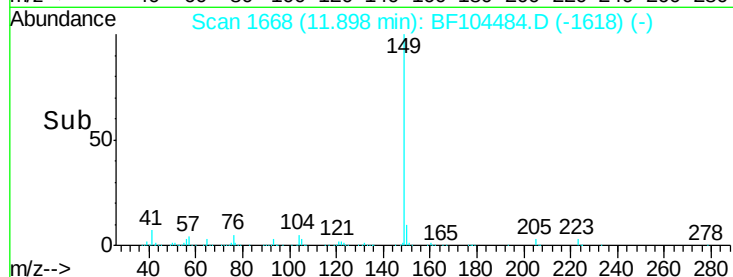
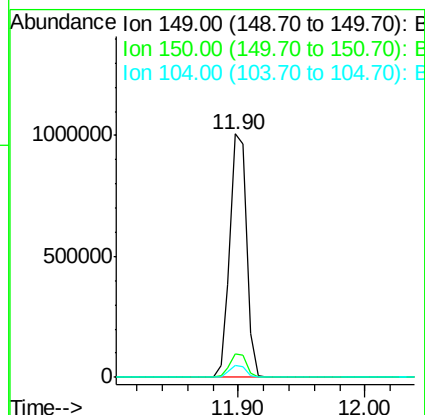
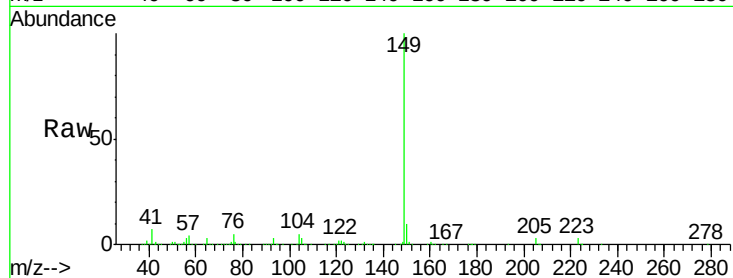
ClientSampleId :

NAA-WS-001MSD

Tot Ion:	149	Resp:	917464
Ion Ratio	Lower	Upper	
149	100		
150	9.8	7.8	11.6
104	5.0	3.8	5.8

Manual Integrations
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Sohil
4/16/2018 3:10:14 PM



#74

Fluoranthene

Concen: 28.524 ng

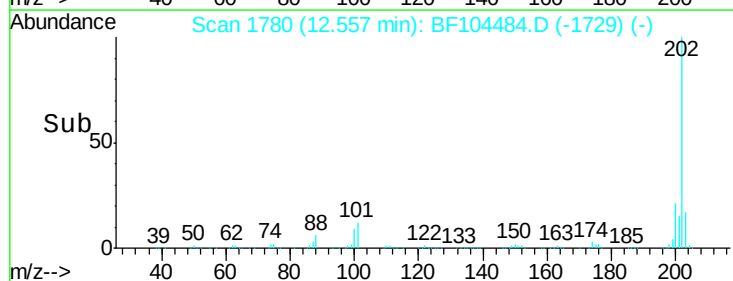
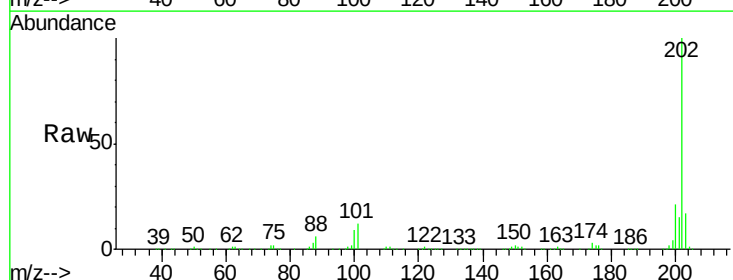
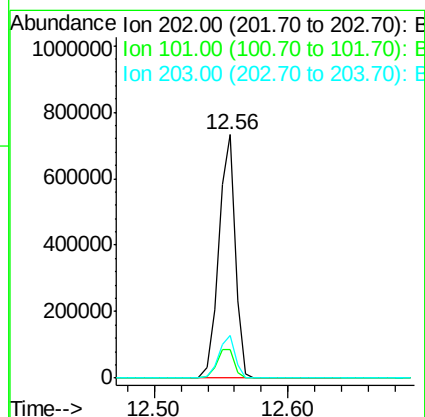
RT: 12.56 min Scan# 1780

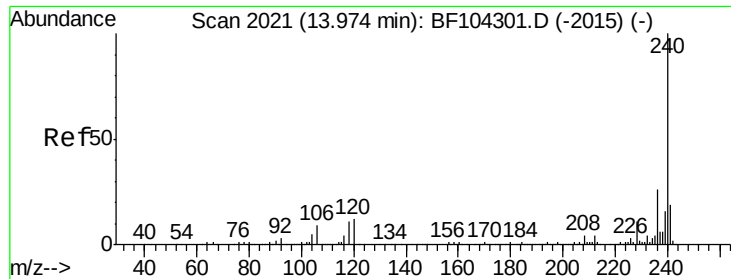
Delta R.T. -0.00 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

Tgt Ion:	202	Resp:	637200
Ion Ratio	Lower	Upper	
202	100		
101	11.7	0.0	34.1
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

Instrument :

BNA_F

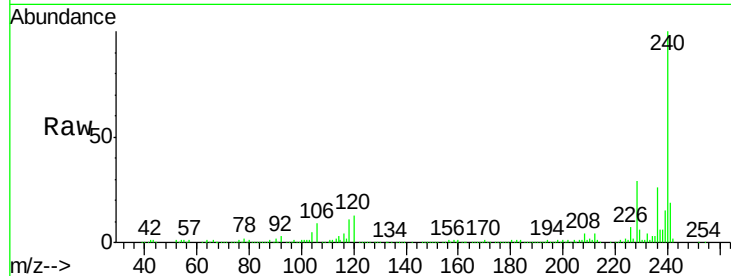
ClientSampleId :

NAA-WS-001MSD

Tot Ion:	240	Resp:	243949
Ion Ratio	Lower	Upper	
240	100		
120	12.6	9.5	14.3
236	26.0	20.7	31.1

Manual Integrations
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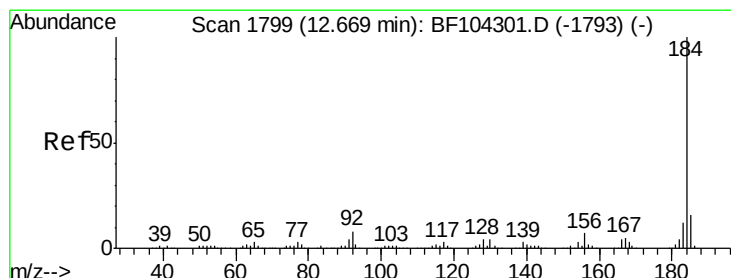
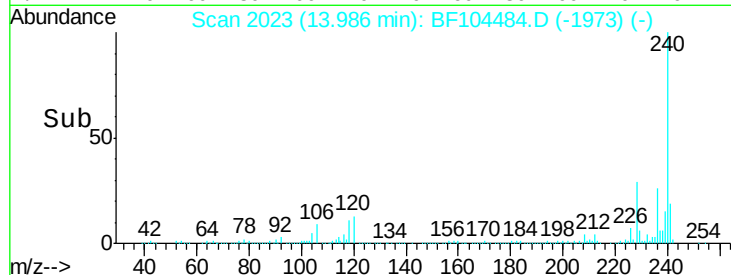
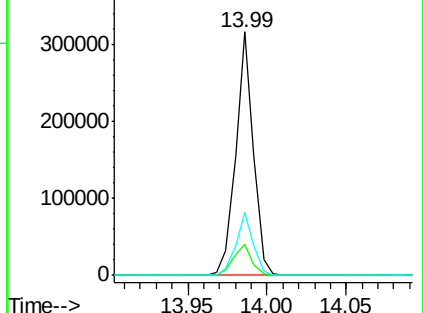
Sohil
4/16/2018 3:10:14 PM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 55.081 ng

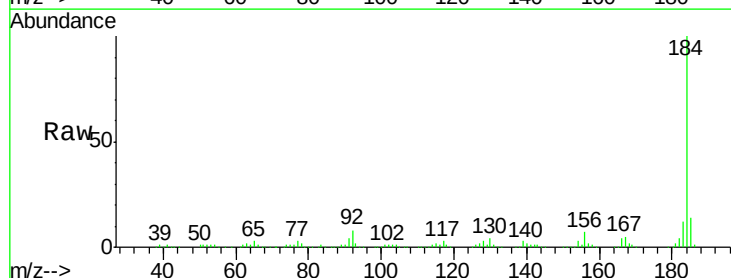
RT: 12.68 min Scan# 1801

Delta R.T. -0.00 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

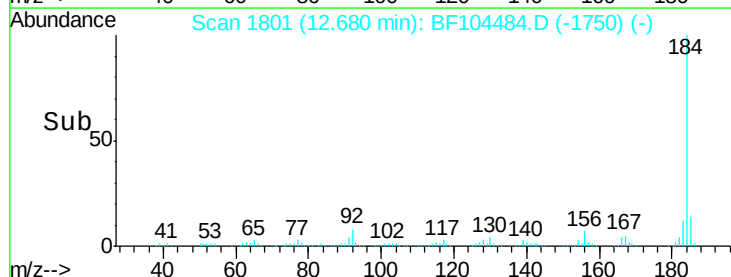
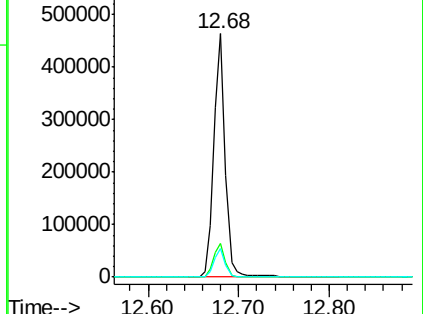
Tgt Ion:	184	Resp:	411629
Ion Ratio	Lower	Upper	
184	100		
185	13.8	12.6	18.8
183	11.7	9.3	13.9

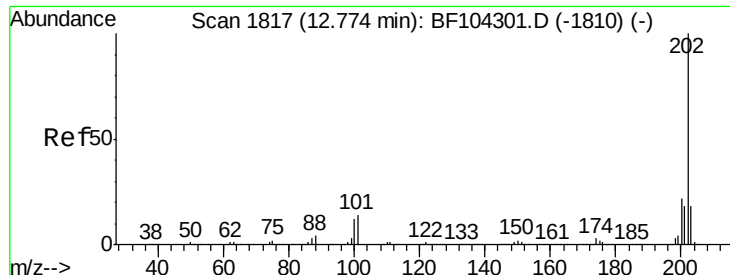


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





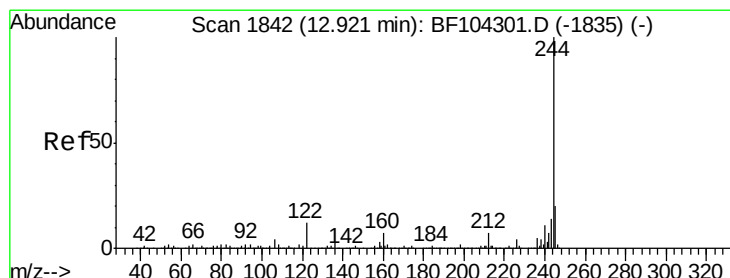
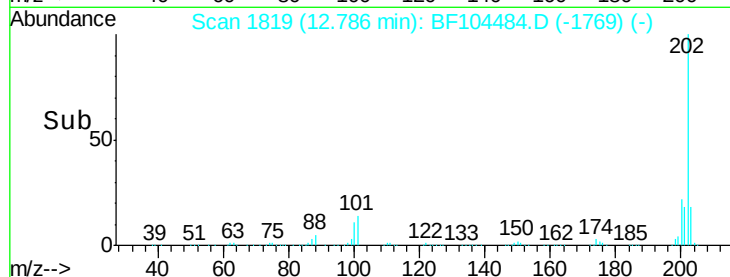
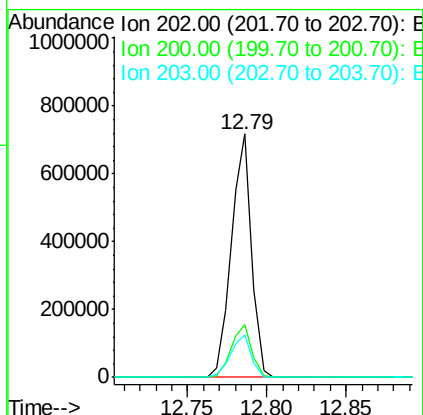
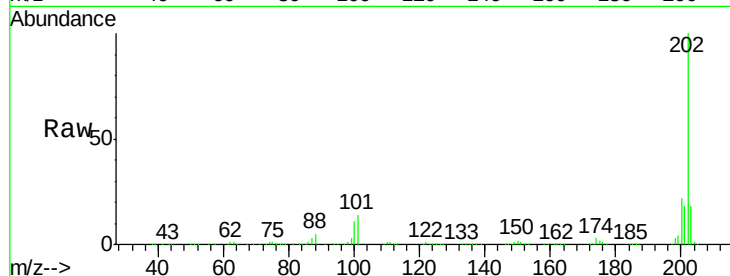
#77
Pvrene
Concen: 34.823 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Instrument :
BNA_F
ClientSampleId :
NAA-WS-001MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	17.6	14.3	21.5

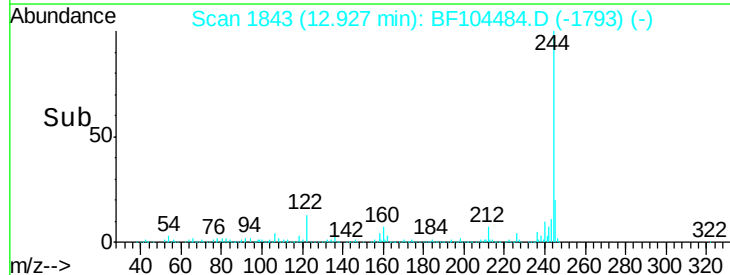
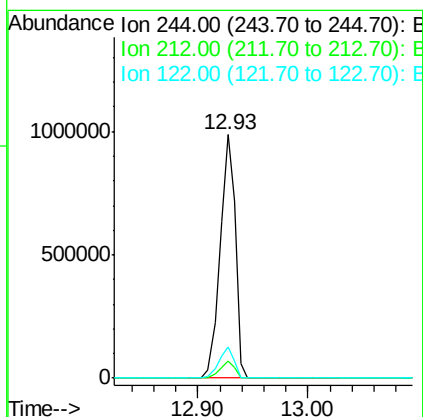
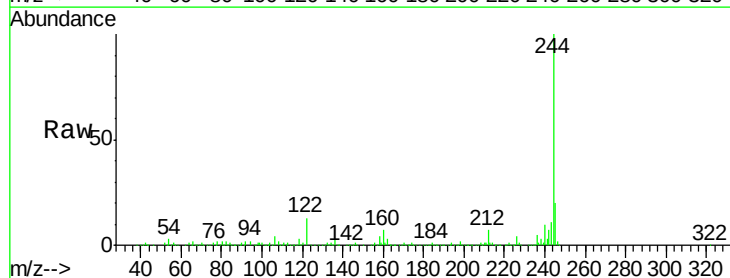
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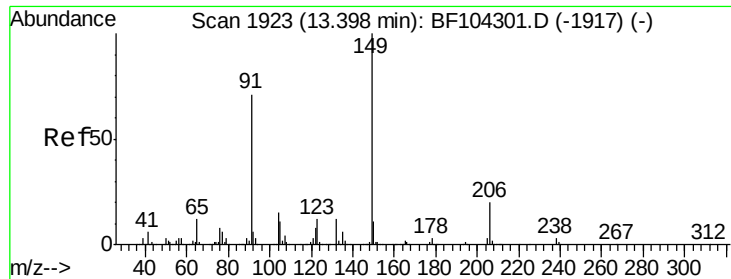
Sohil
4/16/2018 3:10:14 PM



#78
Terphenyl-d14
Concen: 88.182 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	12.9	11.0	16.4





#79

Butylbenzylphthalate

Concen: 37.454 ng

RT: 13.40 min Scan# 1924

Delta R.T. -0.00 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

Instrument :

BNA_F

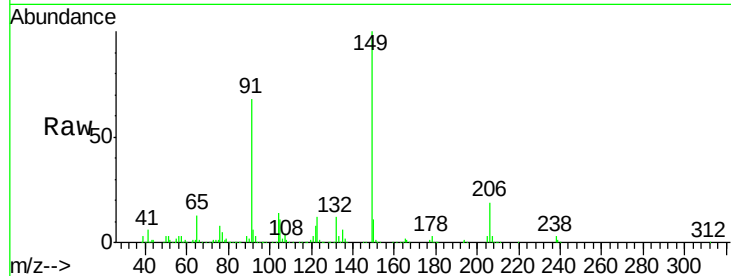
ClientSampleID :

NAA-WS-001MSD

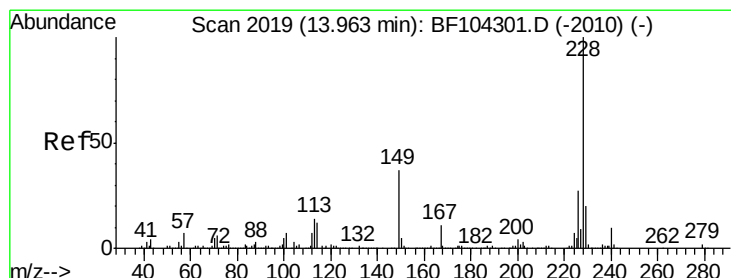
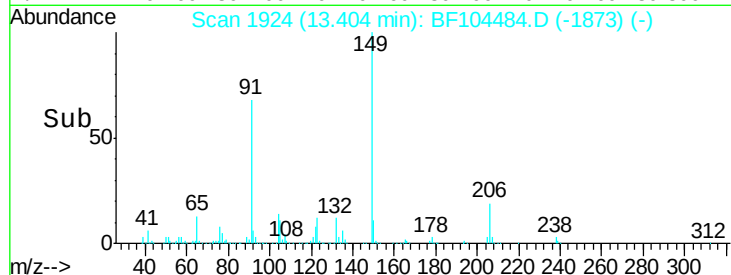
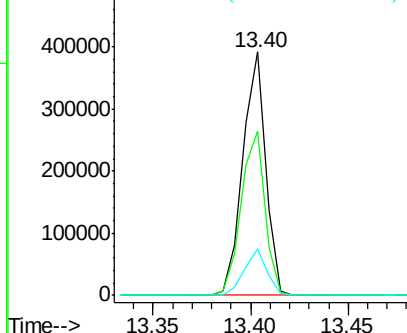
Tot Ion:	149	Resp:	319064
Ion Ratio	Lower	Upper	
149	100		
91	67.5	56.8	85.2
206	19.0	14.1	21.1

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 35.741 ng

RT: 13.97 min Scan# 2021

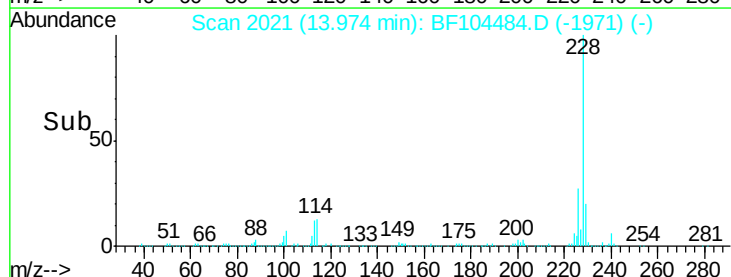
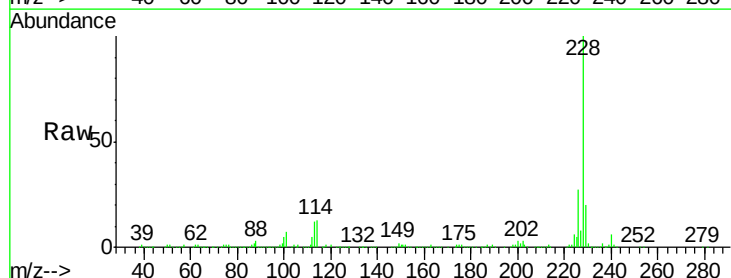
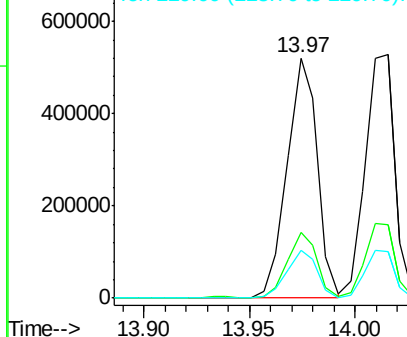
Delta R.T. -0.01 min

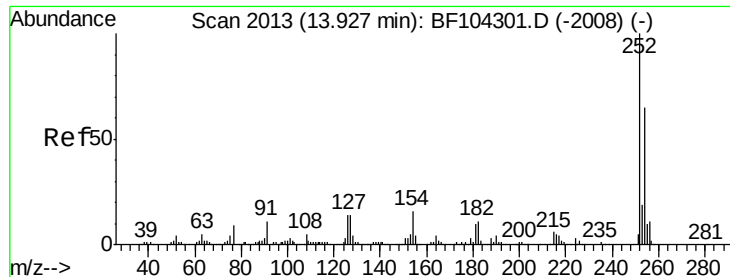
Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

Tgt Ion:	228	Resp:	520879
Ion Ratio	Lower	Upper	
228	100		
226	27.5	22.6	33.8
229	19.8	15.8	23.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#81

3,3'-Dichlorobenzidine

Concen: 37.510 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

Instrument :

BNA_F

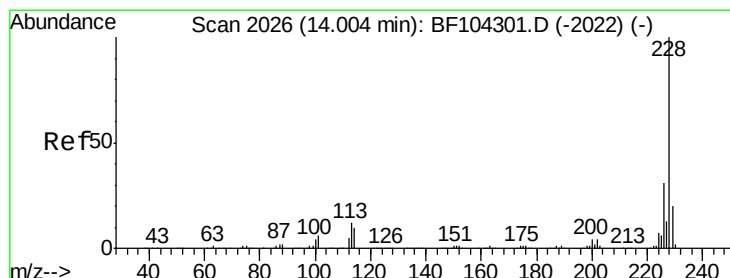
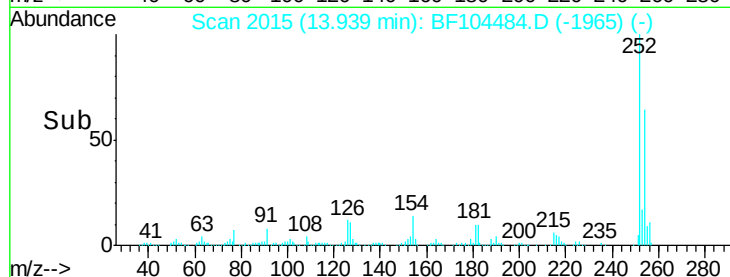
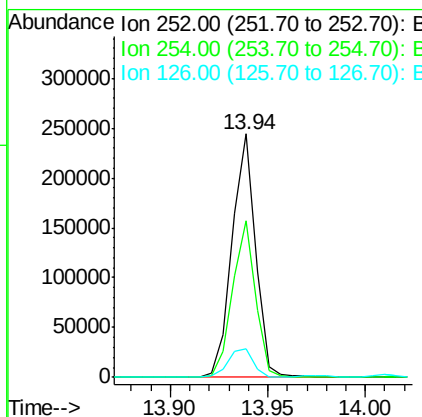
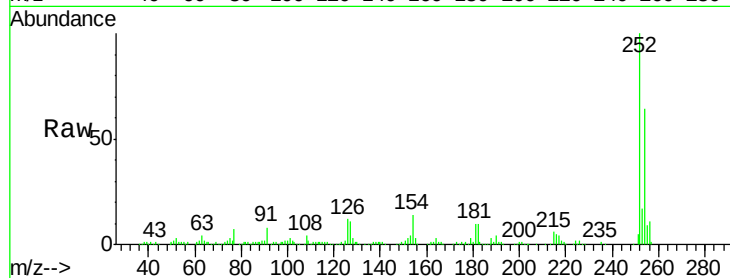
ClientSampleId :

NAA-WS-001MSD

Tot Ion:	252	Resp:	203827
Ion Ratio		Lower	Upper
252	100		
254	64.2	50.4	75.6
126	11.7	11.3	16.9

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#82

Chrysene

Concen: 34.248 ng

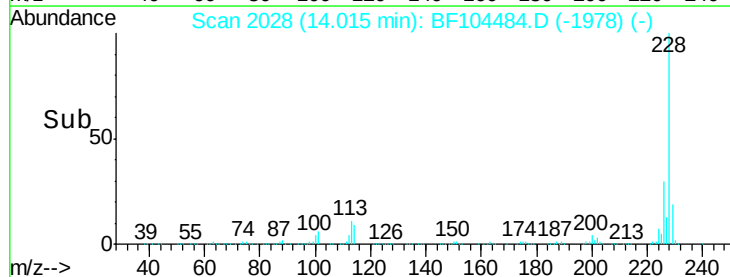
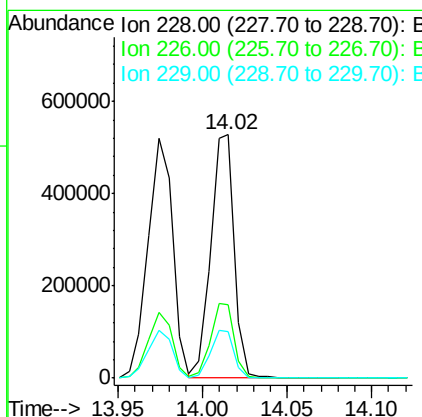
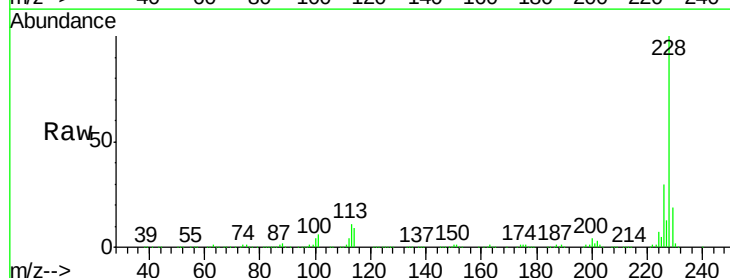
RT: 14.02 min Scan# 2028

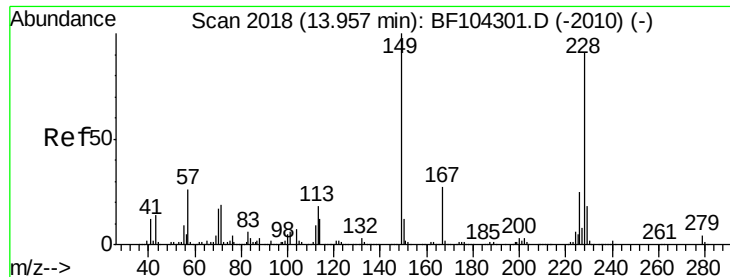
Delta R.T. -0.01 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

Tgt Ion:	228	Resp:	512676
Ion Ratio		Lower	Upper
228	100		
226	30.3	25.0	37.6
229	19.3	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 40.045 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

Instrument :

BNA_F

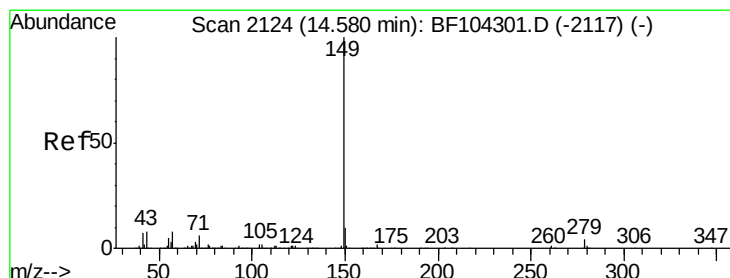
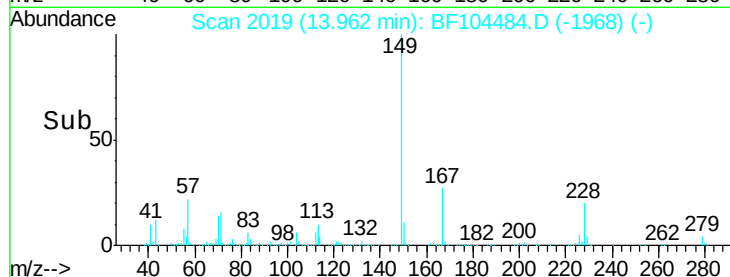
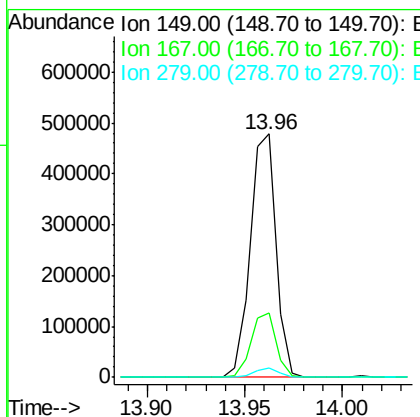
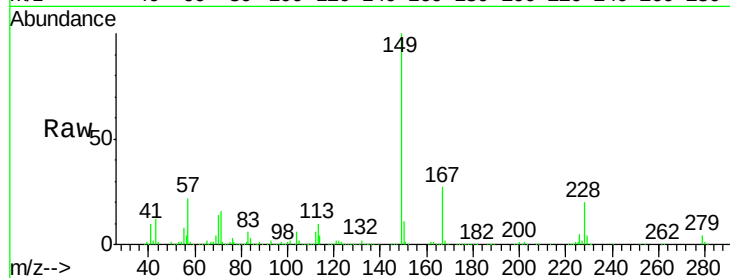
ClientSampleId :

NAA-WS-001MSD

Tot Ion:	149	Resp:	438788
Ion Ratio	Lower	Upper	
149	100		
167	26.6	21.3	31.9
279	3.7	3.0	4.4

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#84

Di-n-octyl phthalate

Concen: 37.283 ng

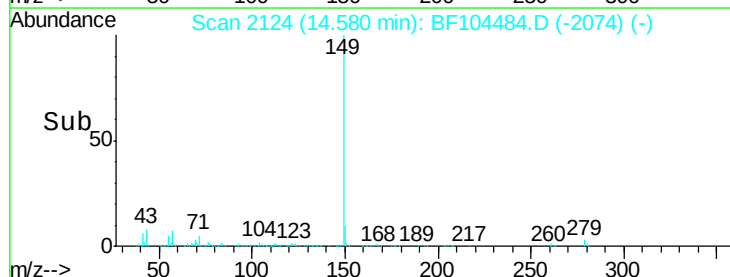
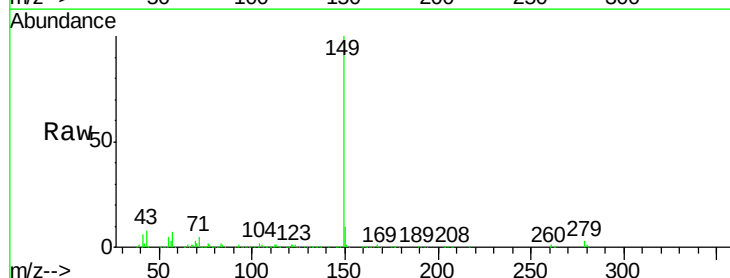
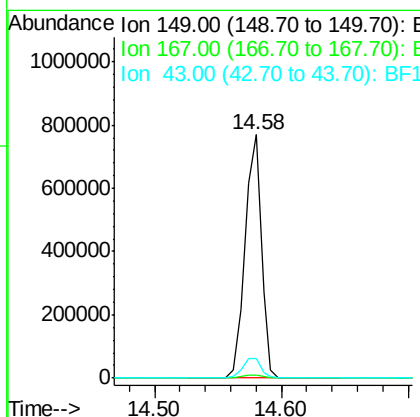
RT: 14.58 min Scan# 2124

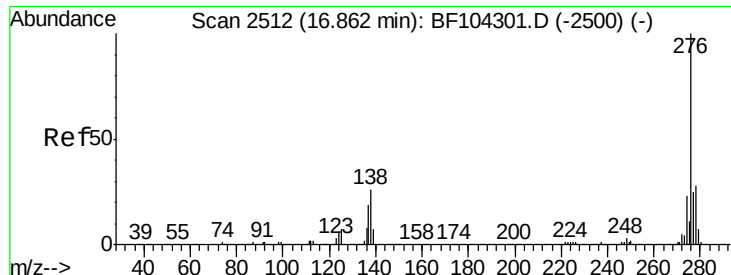
Delta R.T. -0.01 min

Lab File: BF104484.D

Acq: 13 Apr 2018 17:47

Tgt Ion:	149	Resp:	682617
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.2	1.8
43	8.4	8.4	12.6





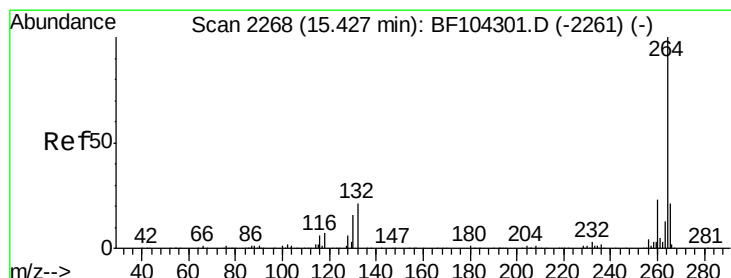
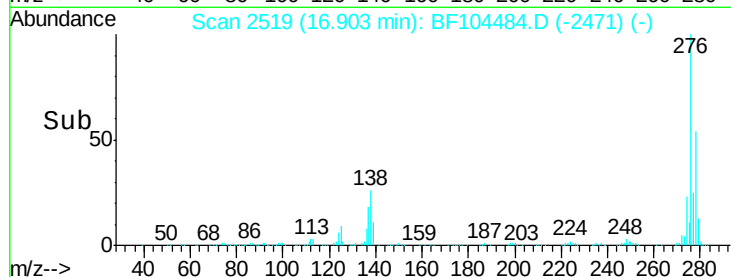
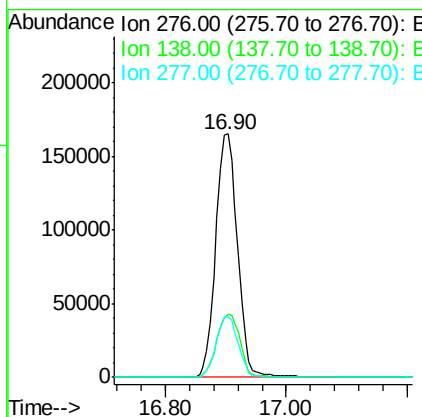
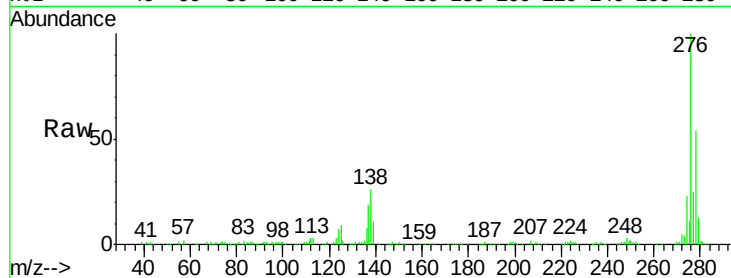
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 32.446 ng
 RT: 16.90 min Scan# 2519
 Delta R.T. -0.02 min
 Lab File: BF104484.D
 Acq: 13 Apr 2018 17:47

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-001MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.0	25.0	37.6
277	25.5	20.1	30.1

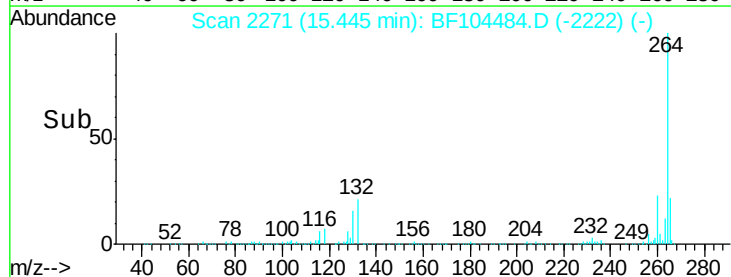
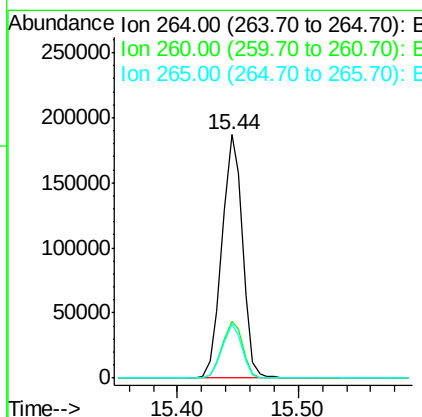
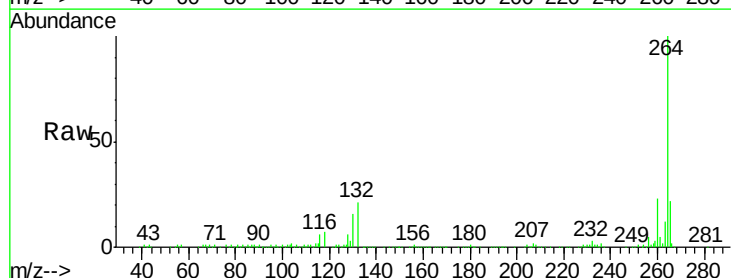
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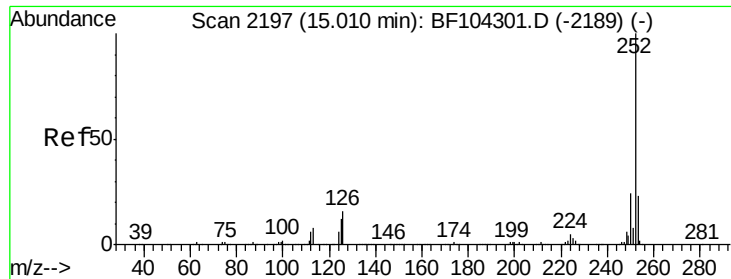
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: BF104484.D
 Acq: 13 Apr 2018 17:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	22.4	17.5	26.3





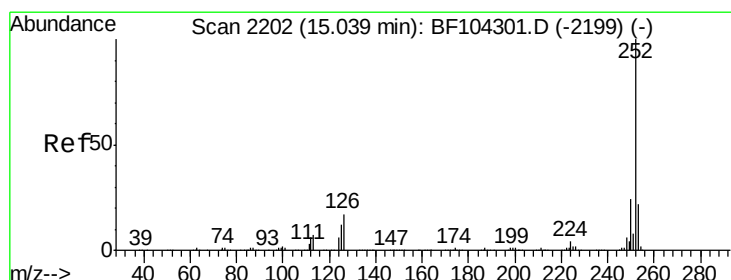
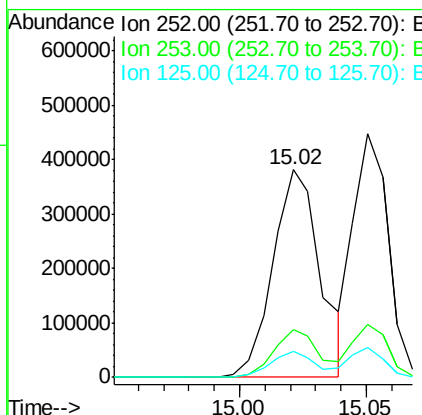
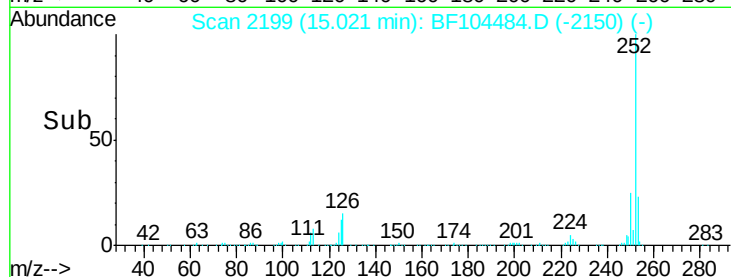
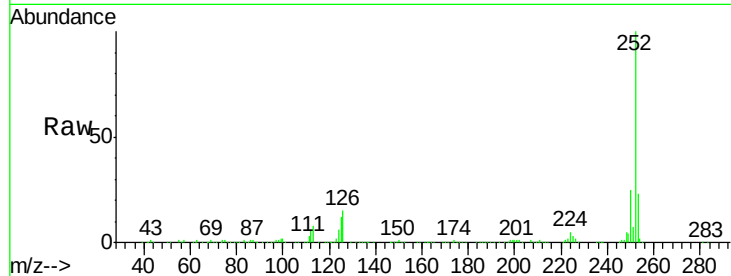
#87
Benzo(b)fluoranthene
Concen: 35.684 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Instrument :
BNA_F
ClientSampleId :
NAA-WS-001MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	12.2	9.0	13.6

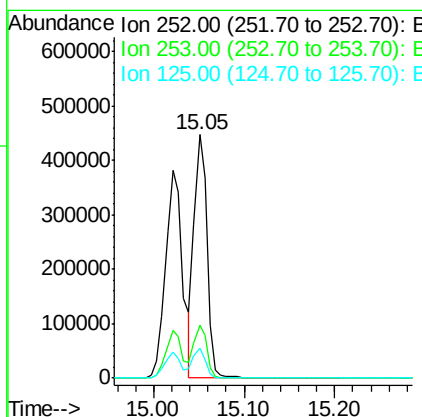
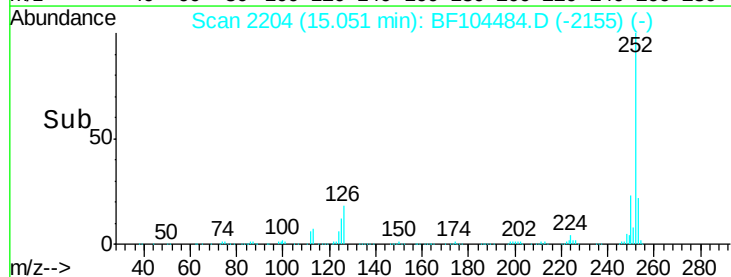
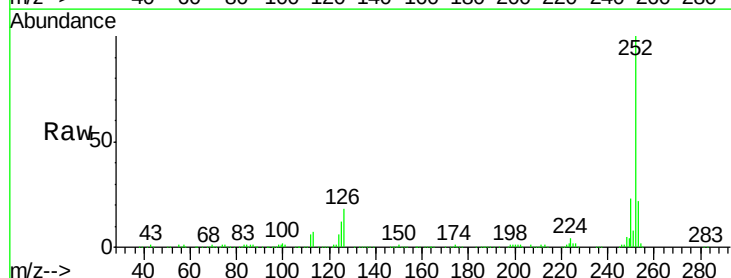
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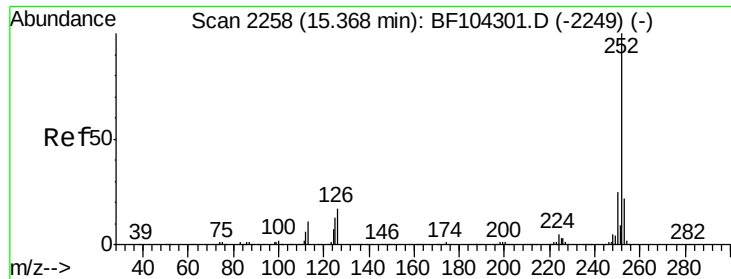
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#88
Benzo(k)fluoranthene
Concen: 33.187 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	12.3	10.2	15.2





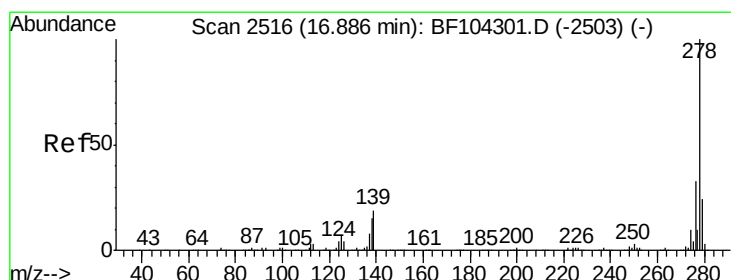
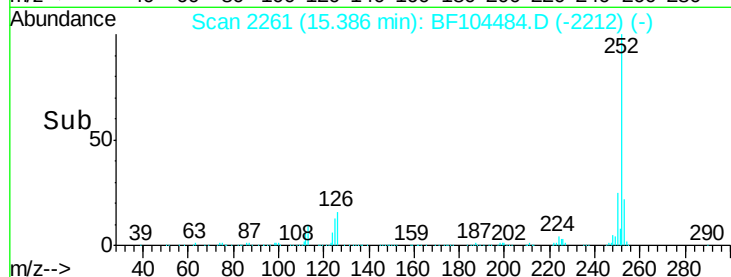
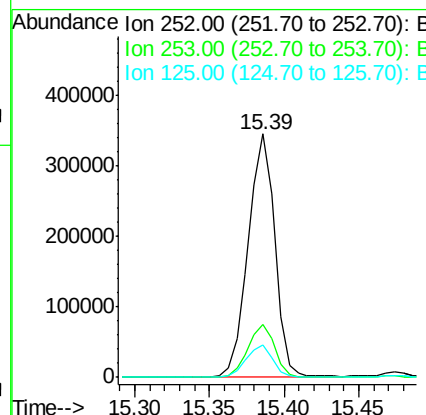
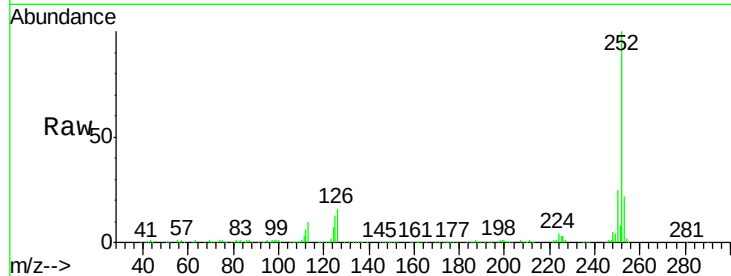
#89
Benzo(a)pyrene
Concen: 34.407 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Instrument :
BNA_F
ClientSampleId :
NAA-WS-001MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	13.2	9.8	14.6

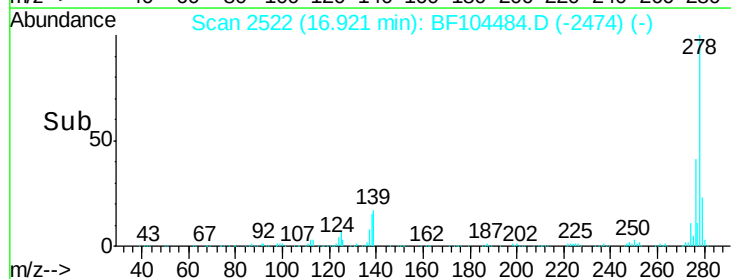
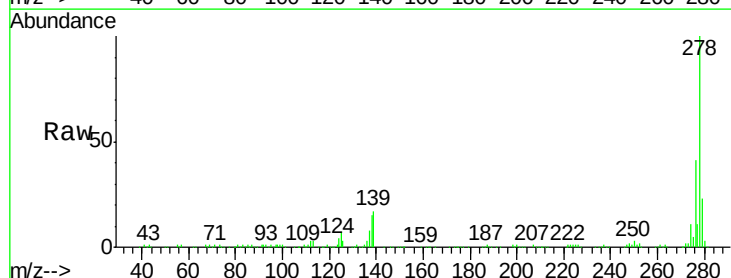
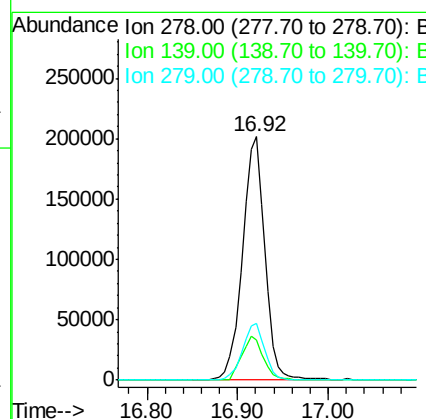
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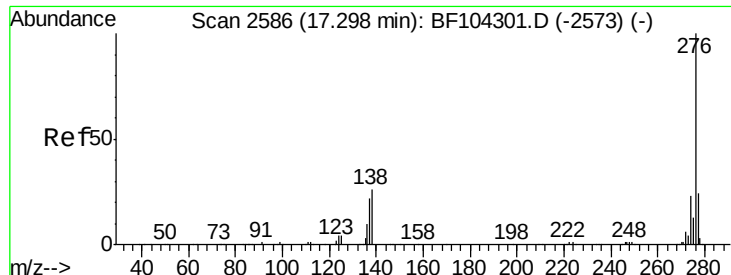
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#90
Dibenzo(a,h)anthracene
Concen: 34.126 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.02 min
Lab File: BF104484.D
Acq: 13 Apr 2018 17:47

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.7	15.9	23.9
279	23.2	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 32.751 ng
 RT: 17.34 min Scan# 2594
 Delta R.T. -0.02 min
 Lab File: BF104484.D
 Acq: 13 Apr 2018 17:47

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-001MSD

Tot Ion:	276	Resp:	324650
Ion Ratio		Lower	Upper
276	100		
277	22.9	17.9	26.9
138	24.6	21.8	32.8

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