

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
 Data File : BF104788.D
 Acq On : 25 Apr 2018 14:59
 Operator : JU/SJ
 Sample : J2470-05MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HW-12-4-18-18MSD

Manual Integrations
 APPROVED

Sohil

4/26/2018 6:09:34 PM

Quant Time: Apr 26 11:06:33 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	115636	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	510621	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	258255	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	473203	20.00	ng	0.00
75) Chrysene-d12	14.00	240	276206	20.00	ng	0.01
86) Perylene-d12	15.50	264	228211	20.00	ng	0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	477595	63.15	ng	0.00
7) Phenol-d6	6.44	99	426422	45.89	ng	0.00
23) Nitrobenzene-d5	7.37	82	743771	95.11	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	355685	132.77	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1451284	88.78	ng	0.00
78) Terphenyl-d14	12.93	244	1335676	110.25	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.53	88	50410	14.305	ng	88
3) Pyridine	3.28	79	105890	10.688	ng	85
4) n-Nitrosodimethylamine	3.22	42	55081	15.904	ng	87
6) Aniline	6.46	93	181989	14.097	ng	98
8) 2-Chlorophenol	6.59	128	297960	37.329	ng	95
9) Benzaldehyde	6.35	77	143772	27.582	ng	96
10) Phenol	6.45	94	168271	17.068	ng	88
11) bis(2-Chloroethyl)ether	6.53	93	313467	39.843	ng	96
12) 1,3-Dichlorobenzene	6.74	146	327142	36.177	ng	100
13) 1,4-Dichlorobenzene	6.82	146	334787	37.140	ng	99
14) 1,2-Dichlorobenzene	6.97	146	320912	38.417	ng	100
15) Benzyl Alcohol	6.95	79	201103	28.495	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.07	45	384752	36.415	ng	68
17) 2-Methylphenol	7.06	107	238373	34.355	ng	# 91
18) Hexachloroethane	7.31	117	120201	37.400	ng	97
19) n-Nitroso-di-n-propylamine	7.22	70	244871	40.328	ng	92
20) 3+4-Methylphenols	7.22	107	259863	30.198	ng	# 59
22) Acetophenone	7.21	105	489183	38.913	ng	99
24) Nitrobenzene	7.39	77	373182	43.224	ng	93
25) Isophorone	7.63	82	710779	42.983	ng	99
26) 2-Nitrophenol	7.70	139	198504	56.477	ng	95
27) 2,4-Dimethylphenol	7.75	122	313518	42.960	ng	98
28) bis(2-Chloroethoxy)methane	7.83	93	449681	44.477	ng	99
29) 2,4-Dichlorophenol	7.95	162	295661	42.460	ng	97
30) 1,2,4-Trichlorobenzene	8.03	180	300340	39.301	ng	99
31) Naphthalene	8.11	128	1011076	39.765	ng	100
33) 4-Chloroaniline	8.16	127	148194	13.605	ng	97
34) Hexachlorobutadiene	8.22	225	161449	38.571	ng	97
35) Caprolactam	8.54	113	16998m	6.998	ng	
36) 4-Chloro-3-methylphenol	8.65	107	328498	43.996	ng	99
37) 2-Methylnaphthalene	8.80	142	721109	43.845	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.97	216	316433	42.803	ng	98
40) Hexachlorocyclopentadiene	8.95	237	196277	47.425	ng	98
42) 2,4,6-Trichlorophenol	9.08	196	227631	44.356	ng	99

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Manual Integrations
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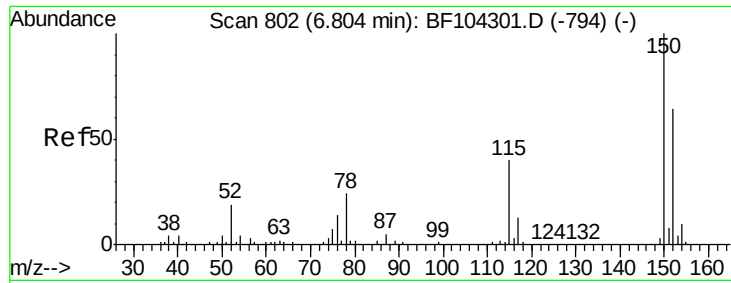
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.13	196	245322	42.718	nq	98
45) 1,1'-Biphenyl	9.27	154	880015	40.563	nq	98
46) 2-Chloronaphthalene	9.29	162	697463	40.701	nq	100
47) 2-Nitroaniline	9.40	65	216252	51.029	nq	87
48) Acenaphthylene	9.71	152	1035414	38.510	nq	99
49) Dimethylphthalate	9.57	163	922911	45.318	nq	99
50) 2,6-Dinitrotoluene	9.64	165	195502	51.879	nq	96
51) Acenaphthene	9.88	154	621420	37.881	nq	99
52) 3-Nitroaniline	9.80	138	96134	21.791	nq	99
53) 2,4-Dinitrophenol	9.92	184	98820	68.279	nq	# 23
54) Dibenzofuran	10.06	168	925143	40.468	nq	100
55) 4-Nitrophenol	9.98	139	110337	31.839	nq	98
56) 2,4-Dinitrotoluene	10.05	165	245145	49.594	nq	93
57) Fluorene	10.40	166	753103	45.258	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.17	232	188824	44.073	nq	95
59) Diethylphthalate	10.27	149	898996	44.324	nq	99
60) 4-Chlorophenyl-phenylether	10.39	204	355960	48.034	nq	99
61) 4-Nitroaniline	10.43	138	189803	44.001	nq	99
62) Azobenzene	10.55	77	787017	40.615	nq	97
64) 4,6-Dinitro-2-methylphenol	10.46	198	90629	40.653	nq	86
65) n-Nitrosodiphenylamine	10.51	169	700433	42.691	nq	99
66) 4-Bromophenyl-phenylether	10.87	248	226912	45.082	nq	98
67) Hexachlorobenzene	10.95	284	251477	44.402	nq	93
68) Atrazine	11.04	200	233484	47.145	nq	99
69) Pentachlorophenol	11.15	266	182487	52.083	nq	96
70) Phenanthrene	11.36	178	1072375	40.694	nq	99
71) Anthracene	11.42	178	1108719	41.389	nq	99
72) Carbazole	11.57	167	1002287	38.290	nq	99
73) Di-n-butylphthalate	11.89	149	1365992	42.720	nq	99
74) Fluoranthene	12.55	202	1052701	38.234	nq	99
76) Benzidine	12.67	184	256704	24.076	nq	98
77) Pyrene	12.79	202	1010633	49.363	nq	99
79) Butylbenzylphthalate	13.40	149	525652	54.498	nq	95
80) Benzo(a)anthracene	13.99	228	770390	46.688	nq	99
81) 3,3'-Dichlorobenzidine	13.95	252	183317	29.796	nq	# 97
82) Chrysene	14.03	228	725328	42.795	nq	98
83) Bis(2-ethylhexyl)phthalate	13.96	149	728664	58.734	nq	98
84) Di-n-octyl phthalate	14.62	149	1065099	51.380	nq	# 94
85) Indeno(1,2,3-cd)pyrene	16.98	276	629802	43.743	nq	95
87) Benzo(b)fluoranthene	15.07	252	674462	46.794	nq	99
88) Benzo(k)fluoranthene	15.10	252	550396	40.448	nq	99
89) Benzo(a)pyrene	15.44	252	578554	44.862	nq	99
90) Dibenzo(a,h)anthracene	16.99	278	534780	50.490	nq	97
91) Benzo(g,h,i)perylene	17.43	276	518051	50.484	nq	94

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



#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

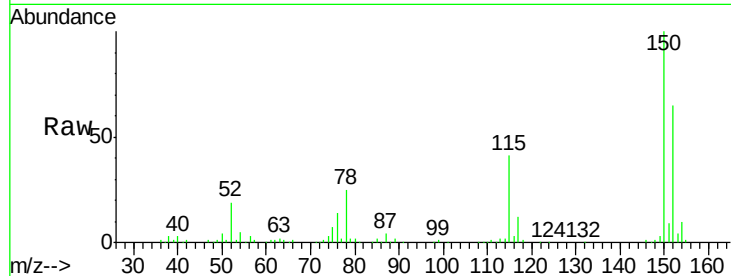
Instrument :
BNA_F
ClientSampleId :
HW-12-4-18-18MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.6	186.8
115	63.1	50.1	75.1

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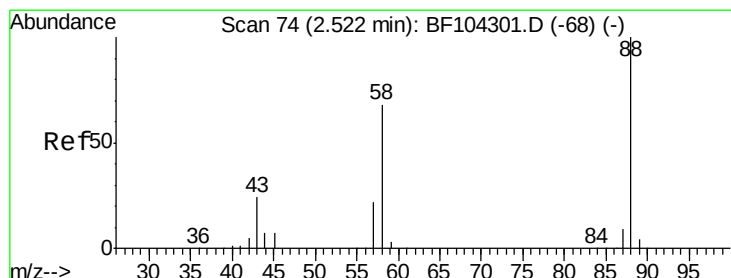
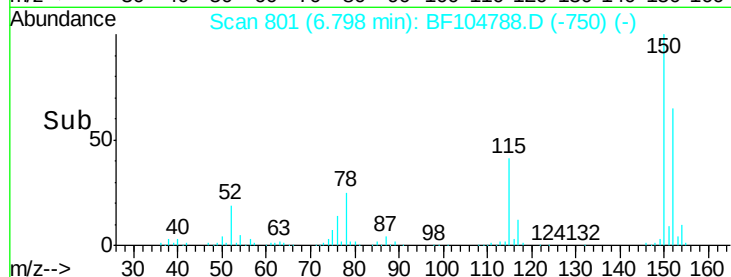
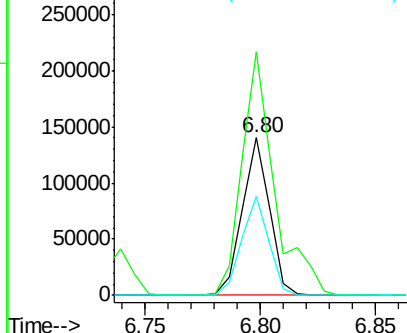


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 14.305 ng
RT: 2.53 min Scan# 76
Delta R.T. 0.02 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

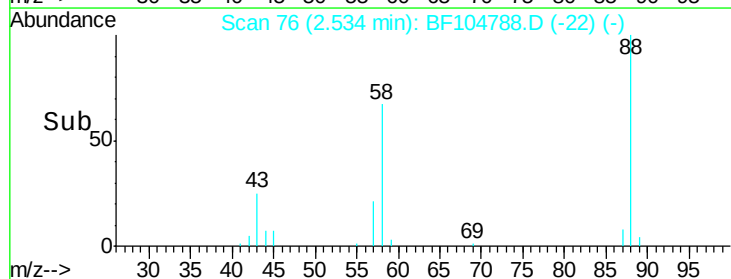
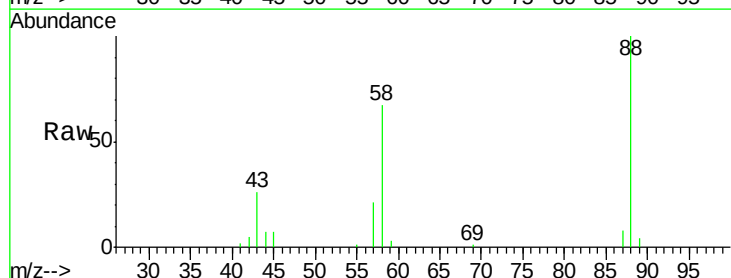
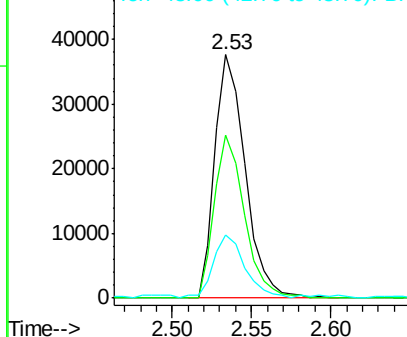
Tgt Ion	Ratio	Lower	Upper
88	100		
58	66.3	62.6	93.8
43	27.0	24.6	37.0

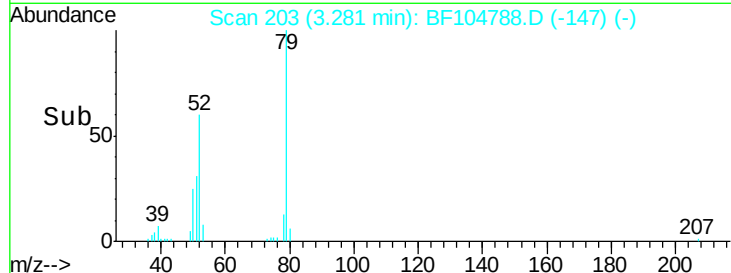
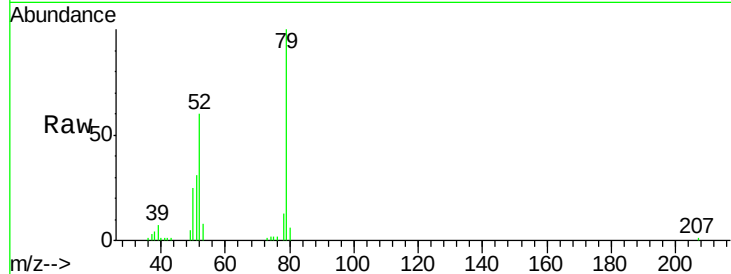
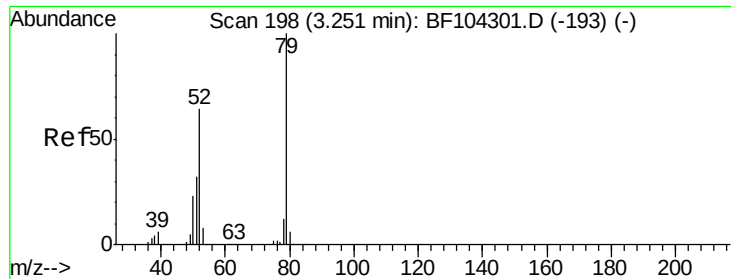
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3
 Pvridine
 Concen: 10.688 ng
 RT: 3.28 min Scan# 203
 Delta R.T. 0.03 min
 Lab File: BF104788.D
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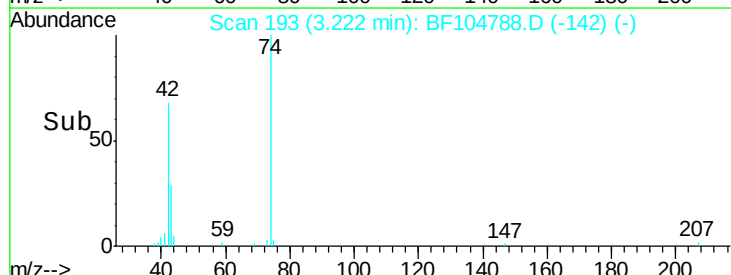
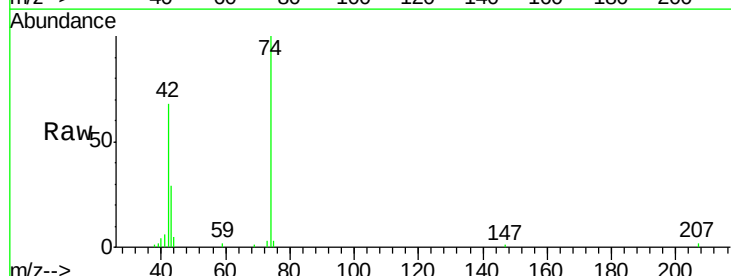
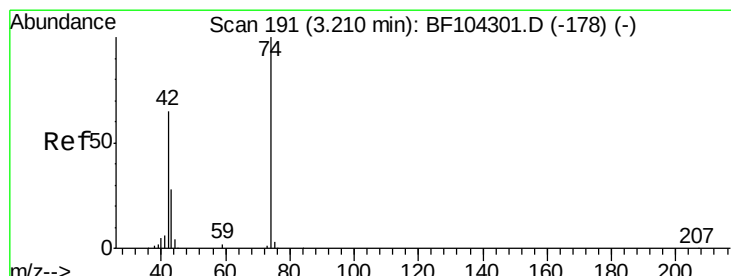
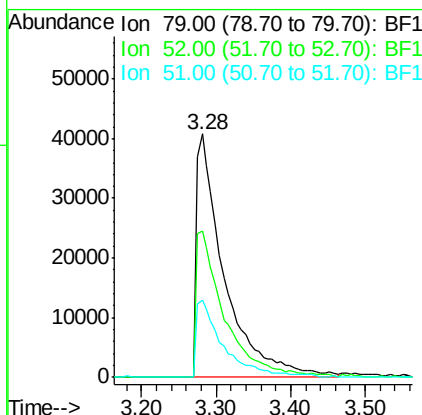
Tot Ion:	79	Resp:	105890
Ion Ratio	Lower	Upper	
79	100		
52	60.3	59.8	89.6
51	31.5	29.8	44.8

Instrument :
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 HW-12-4-18-18MSD

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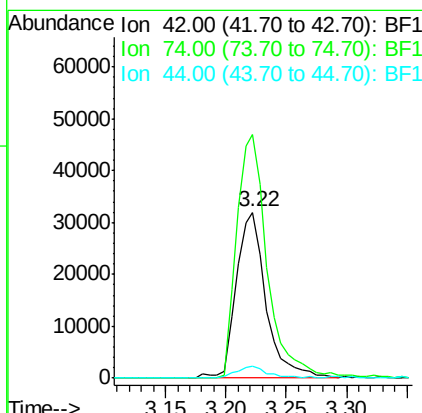
Sohil

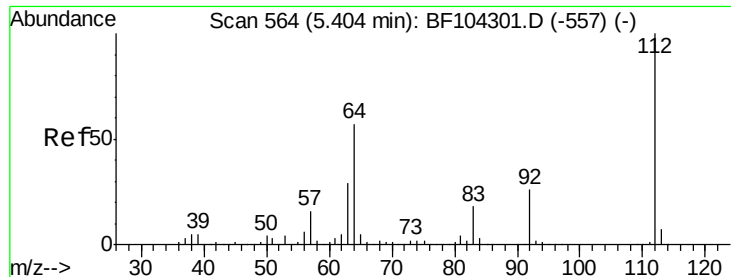
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#4
 n-Nitrosodimethylamine
 Concen: 15.904 ng
 RT: 3.22 min Scan# 193
 Delta R.T. 0.00 min
 Lab File: BF104788.D
 Acq: 25 Apr 2018 14:59

Tgt Ion:	42	Resp:	55081
Ion Ratio	Lower	Upper	
42	100		
74	146.8	104.9	157.3
44	7.0	6.9	10.3





#5

2-Fluorophenol

Concen: 63.152 ng

RT: 5.42 min Scan# 566

Delta R.T. 0.00 min

Lab File: BF104788.D

Acq: 25 Apr 2018 14:59

Instrument :

BNA_F

ClientSampleId :

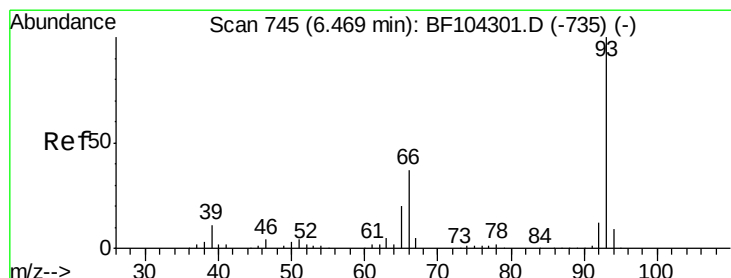
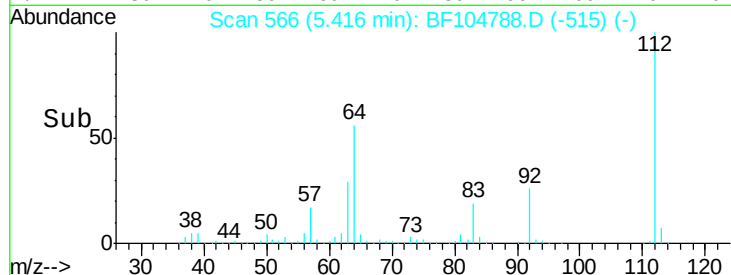
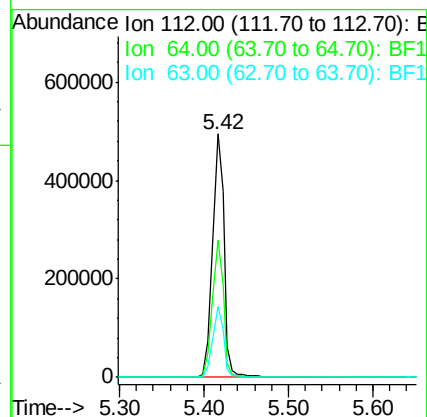
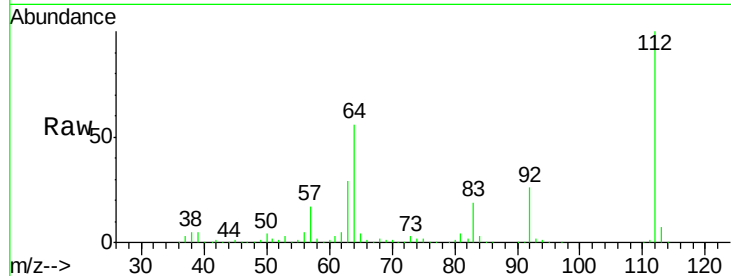
HW-12-4-18-18MSD

Tot Ion:	112	Resp:	477595
Ion Ratio	Lower	Upper	
112	100		
64	56.4	47.9	71.9
63	29.3	23.7	35.5

Manual Integrations
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#6

Aniline

Concen: 14.097 ng

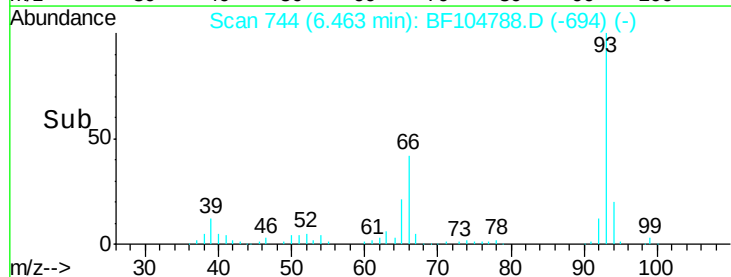
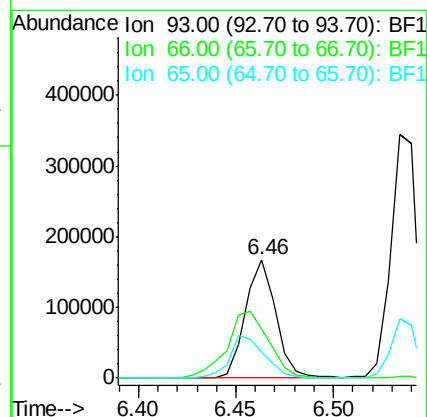
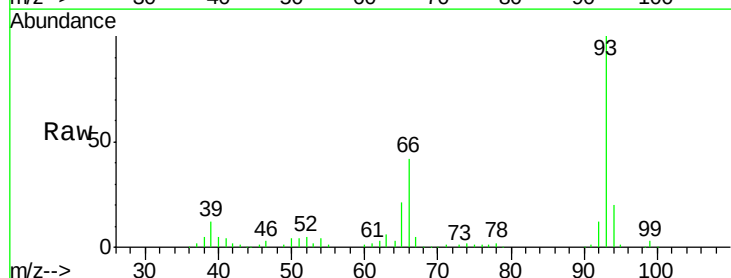
RT: 6.46 min Scan# 744

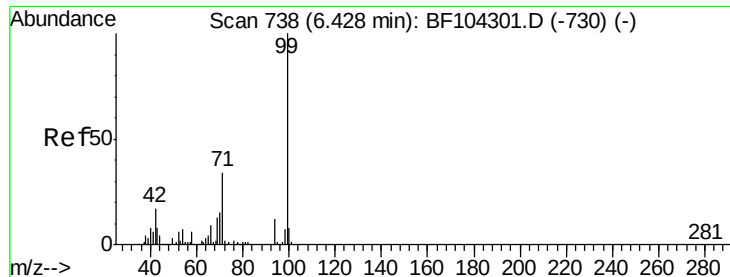
Delta R.T. -0.01 min

Lab File: BF104788.D

Acq: 25 Apr 2018 14:59

Tgt Ion:	93	Resp:	181989
Ion Ratio	Lower	Upper	
93	100		
66	41.6	32.2	48.2
65	21.4	16.4	24.6





#7

Phenol-d6

Concen: 45.892 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104788.D

Acq: 25 Apr 2018 14:59

Instrument :

BNA_F

ClientSampleId :

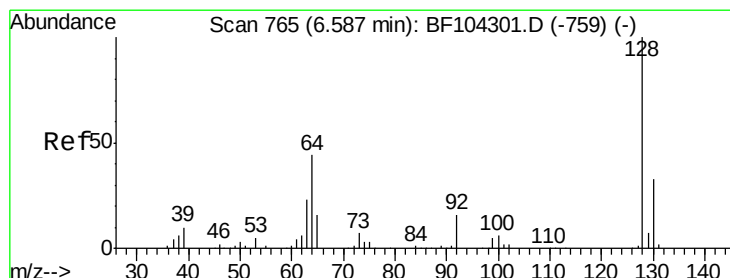
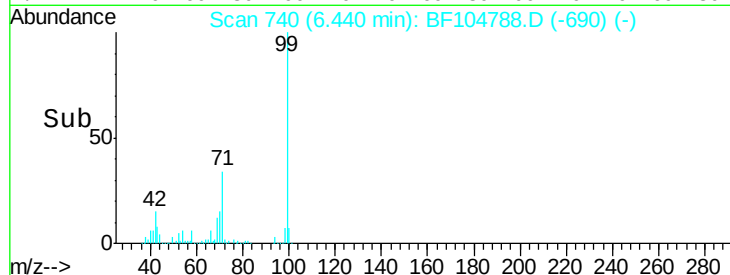
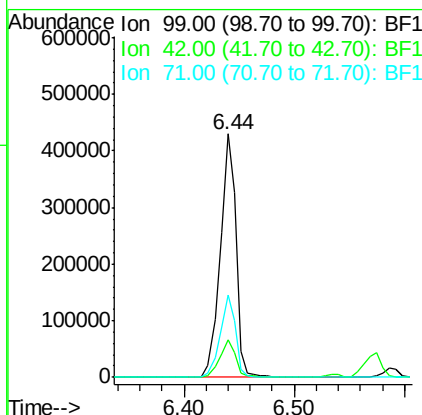
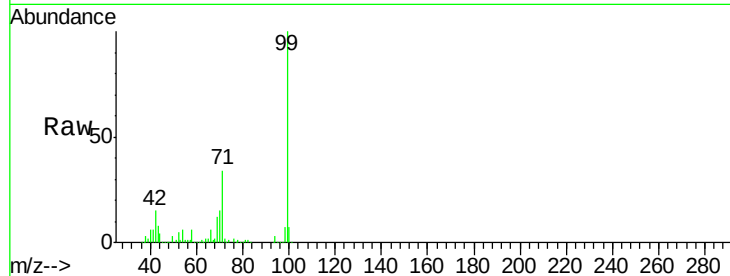
HW-12-4-18-18MSD

Tot Ion:	99	Resp:	426422
Ion Ratio	Lower	Upper	
99	100		
42	15.5	14.5	21.7
71	33.7	25.4	38.0

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#8

2-Chlorophenol

Concen: 37.329 ng

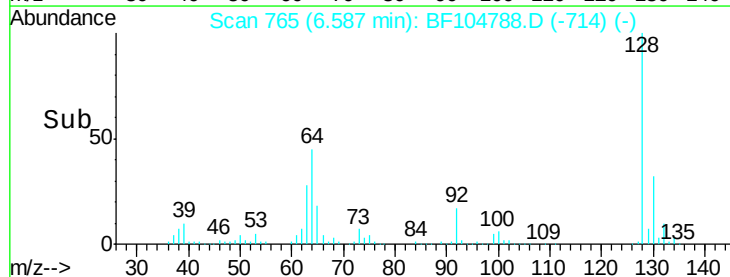
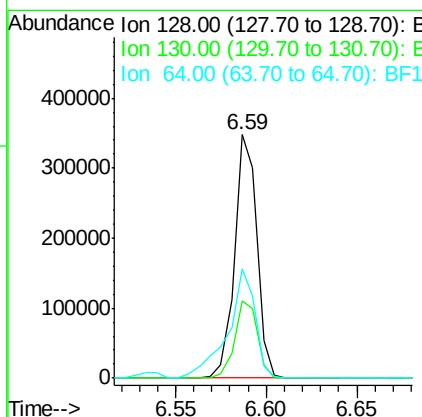
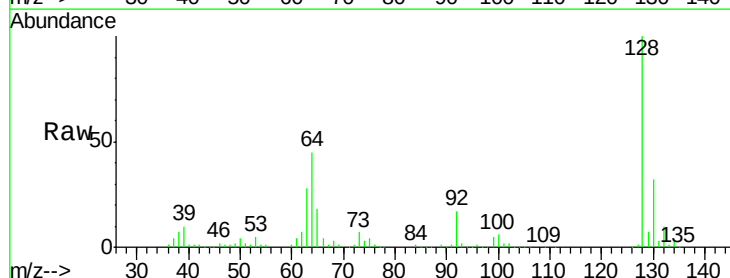
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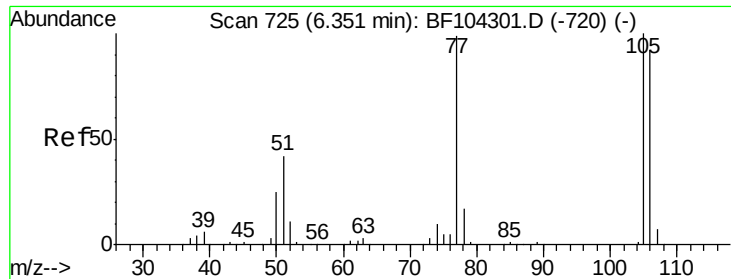
Delta R.T. 0.00 min

Lab File: BF104788.D

Acq: 25 Apr 2018 14:59

Tgt Ion:	128	Resp:	297960
Ion Ratio	Lower	Upper	
128	100		
130	31.8	13.0	53.0
64	44.7	29.4	69.4





#9
Benzaldehyde
Concen: 27.582 ng
RT: 6.35 min Scan# 725
Delta R.T. 0.00 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

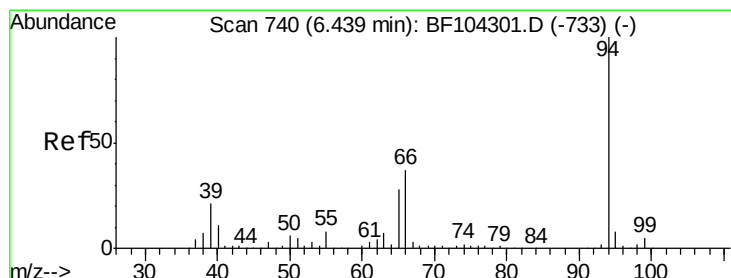
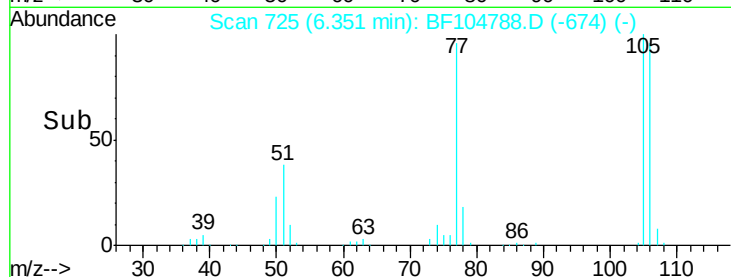
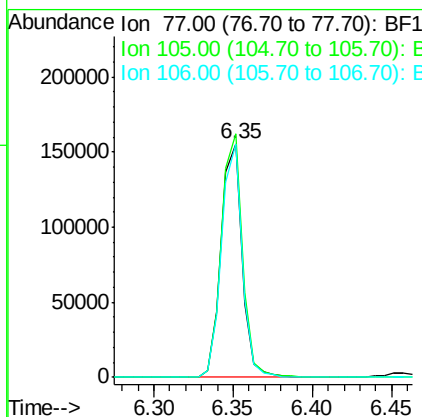
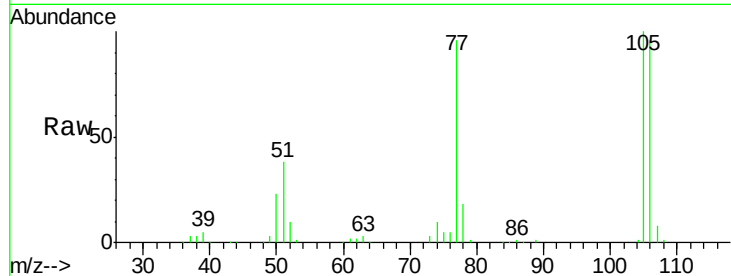
Instrument :
BNA_F
ClientSampleId :
HW-12-4-18-18MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	104.1	81.1	121.1
106	99.6	74.5	114.5

Manual Integrations
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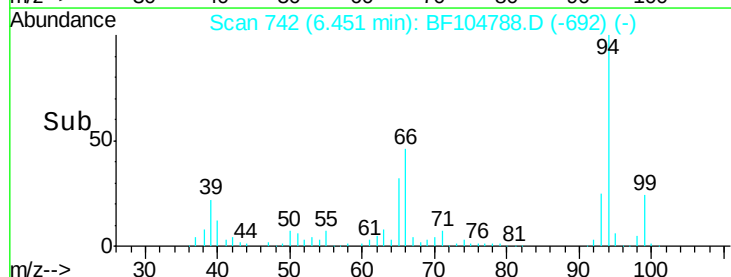
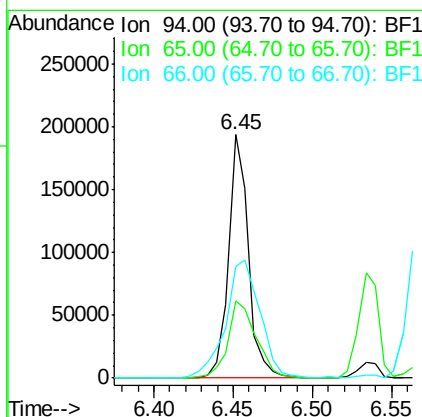
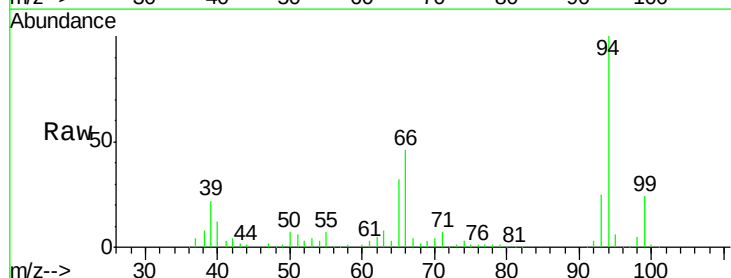
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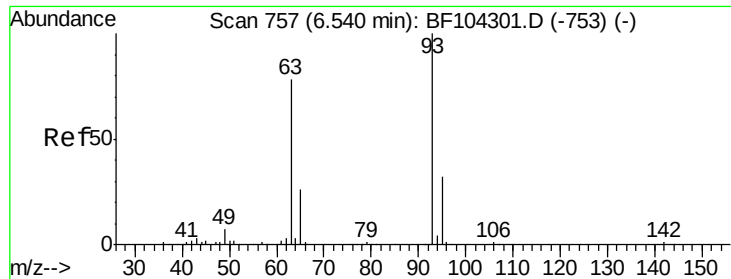
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#10
Phenol
Concen: 17.068 ng
RT: 6.45 min Scan# 742
Delta R.T. -0.01 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

Tgt Ion	Ratio	Lower	Upper
94	100		
65	31.5	7.9	47.9
66	45.7	16.2	56.2





#11
 bis(2-Chloroethyl)ether
 Concen: 39.843 ng
 RT: 6.53 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF104788.D
 Acq: 25 Apr 2018 14:59

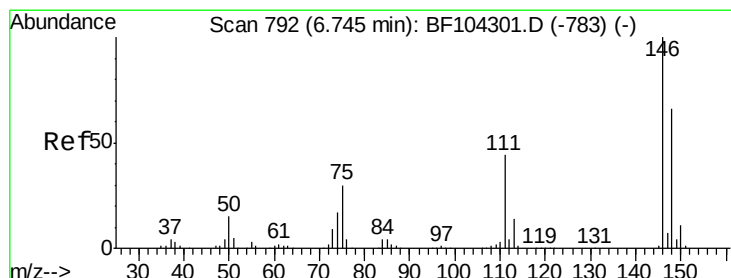
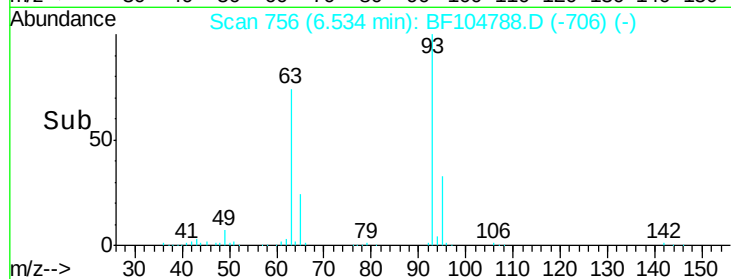
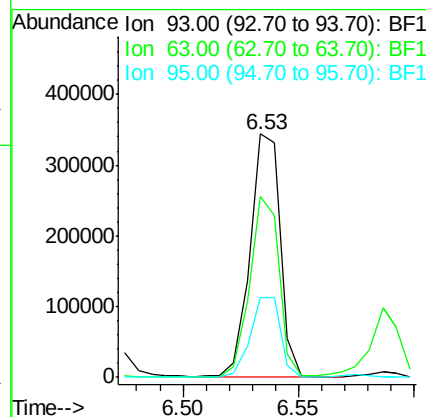
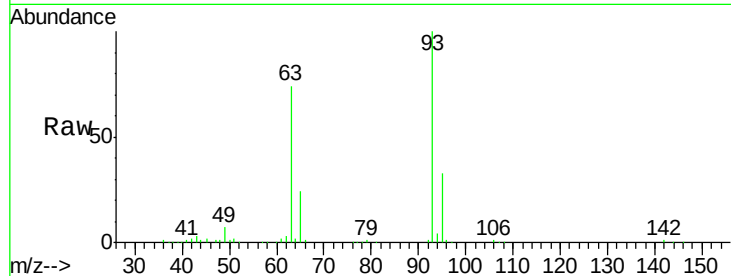
Instrument :
 BNA_F
 ClientSampleId :
 HW-12-4-18-18MSD

Tot Ion:	93	Resp:	313467
Ion Ratio	Lower	Upper	
93	100		
63	74.2	58.6	98.6
95	32.9	11.8	51.8

Manual Integrations
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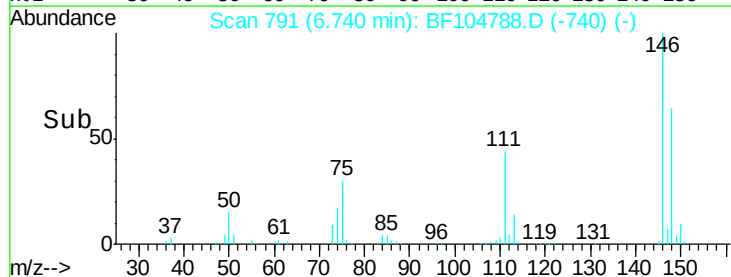
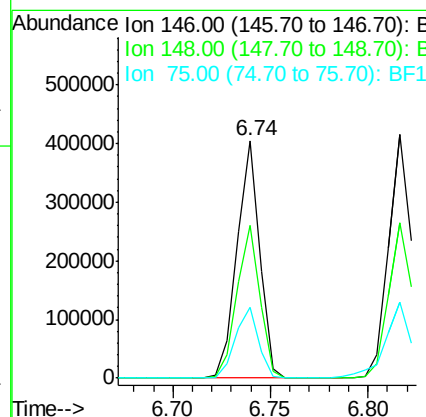
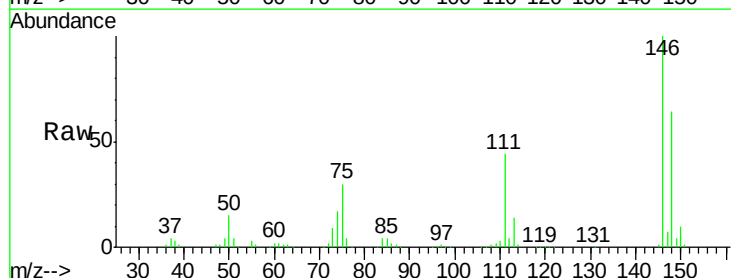
Sohil

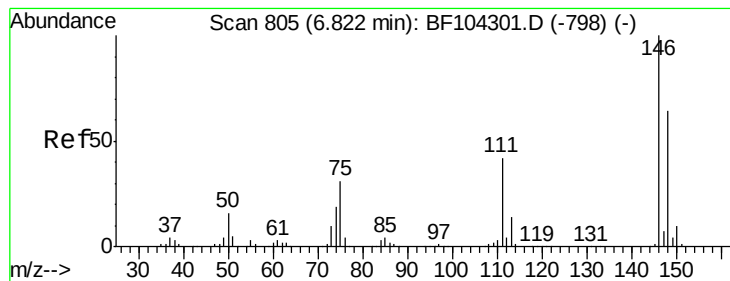
4/26/2018 6:09:34 PM



#12
 1,3-Dichlorobenzene
 Concen: 36.177 ng
 RT: 6.74 min Scan# 791
 Delta R.T. 0.00 min
 Lab File: BF104788.D
 Acq: 25 Apr 2018 14:59

Tgt Ion:	146	Resp:	327142
Ion Ratio	Lower	Upper	
146	100		
148	64.5	51.8	77.8
75	30.0	24.2	36.4





#13

1,4-Dichlorobenzene

Concen: 37.140 ng

RT: 6.82 min Scan# 804

Delta R.T. 0.00 min

Lab File: BF104788.D

Acq: 25 Apr 2018 14:59

Tot Ion:	146	Resp:	334787
Ion Ratio	Lower	Upper	
146	100		
148	63.6	50.8	76.2
111	44.1	34.2	51.2

Instrument :

BNA_F

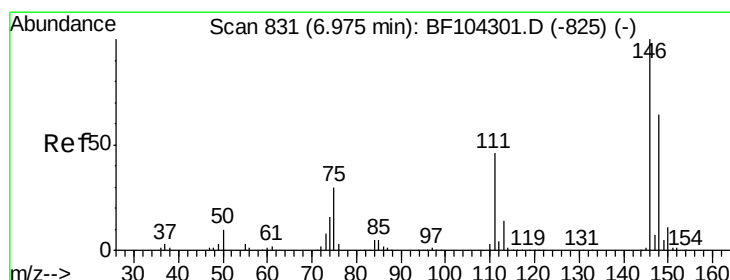
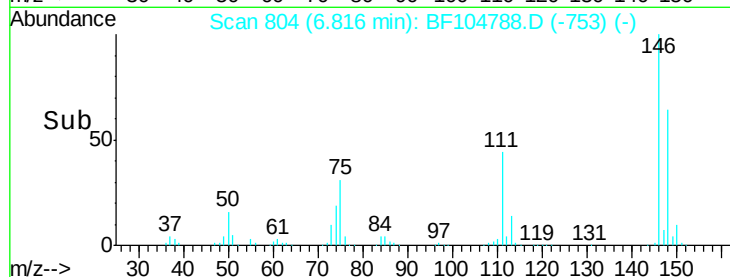
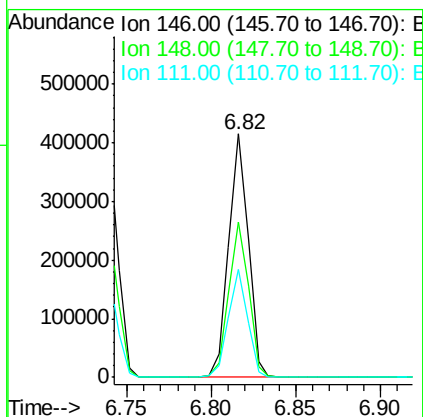
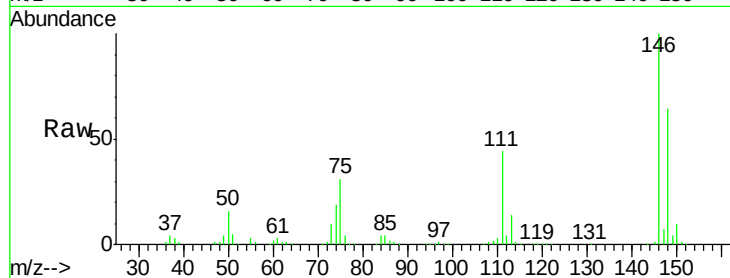
ClientSampleId :

HW-12-4-18-18MSD

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 38.417 ng

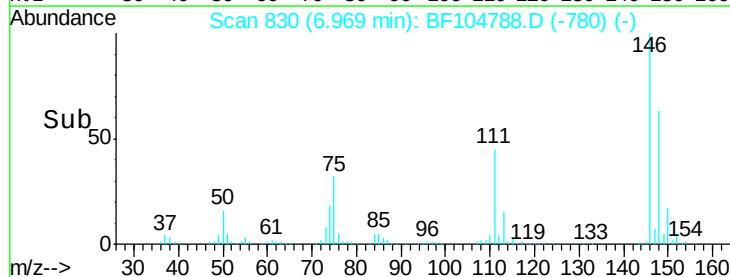
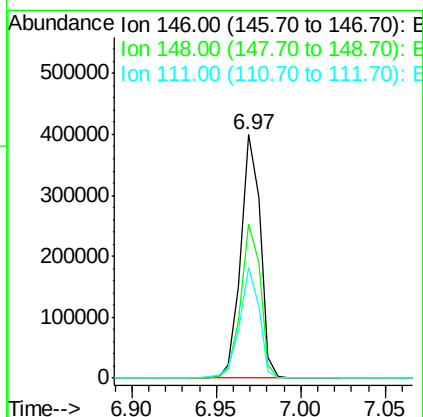
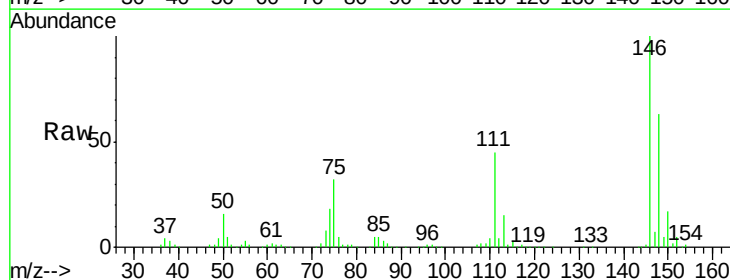
RT: 6.97 min Scan# 830

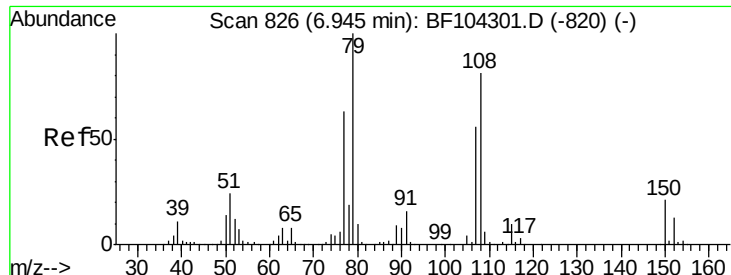
Delta R.T. -0.01 min

Lab File: BF104788.D

Acq: 25 Apr 2018 14:59

Tgt Ion:	146	Resp:	320912
Ion Ratio	Lower	Upper	
146	100		
148	63.0	50.6	75.8
111	45.1	36.0	54.0





#15

Benzyl Alcohol

Concen: 28.495 ng

RT: 6.95 min Scan# 826

Delta R.T. 0.00 min

Lab File: BF104788.D

Acq: 25 Apr 2018 14:59

Instrument :

BNA_F

ClientSampleId :

HW-12-4-18-18MSD

Tot Ion: 79 Resp: 201103

Ion Ratio Lower Upper

79 100

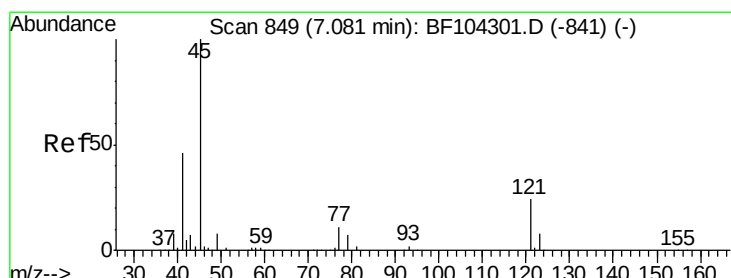
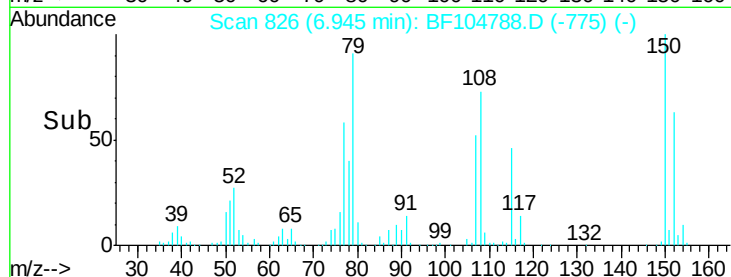
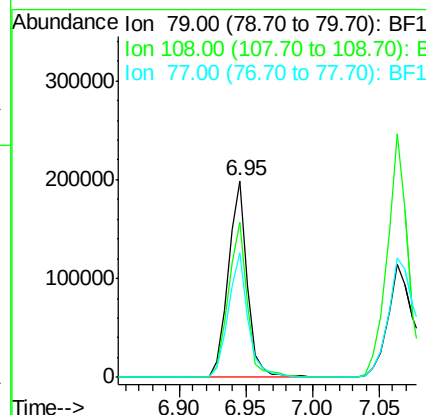
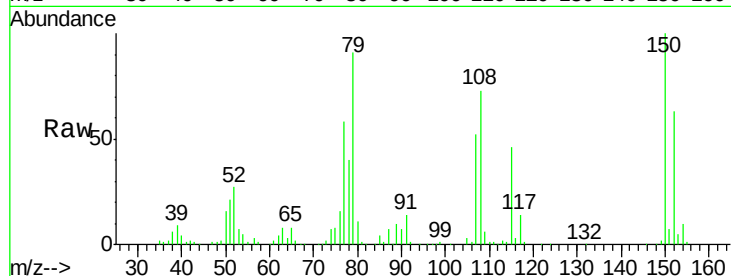
108 79.4 65.1 97.7

77 63.7 50.6 75.8

Manual Integrations
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#16

2,2'-oxybis(1-chloropropane)

Concen: 36.415 ng

RT: 7.07 min Scan# 848

Delta R.T. -0.01 min

Lab File: BF104788.D

Acq: 25 Apr 2018 14:59

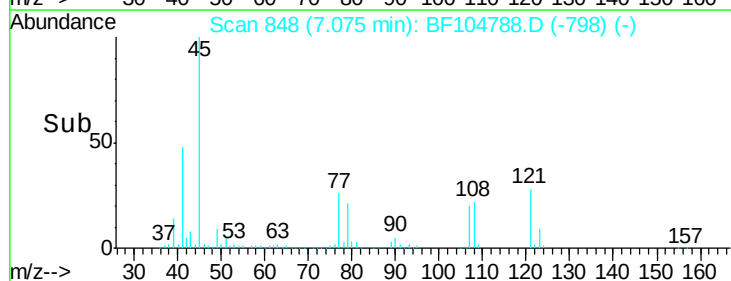
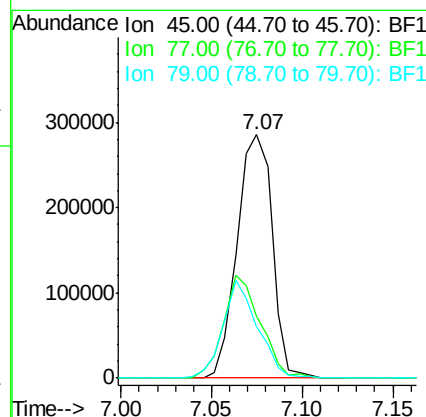
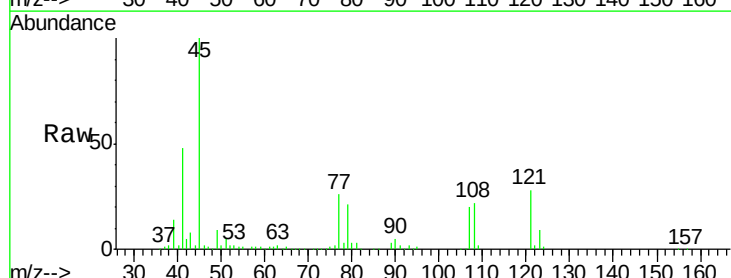
Tgt Ion: 45 Resp: 384752

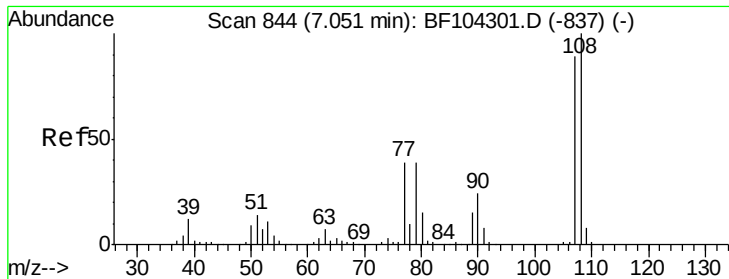
Ion Ratio Lower Upper

45 100

77 25.5 0.0 32.9

79 21.0 0.0 29.6





#17

2-Methylphenol

Concen: 34.355 ng

RT: 7.06 min Scan# 846

Delta R.T. -0.00 min

Lab File: BF104788.D

Acq: 25 Apr 2018 14:59

Instrument :

BNA_F

ClientSampleId :

HW-12-4-18-18MSD

Tot Ion:107 Resp: 238373

Ion Ratio Lower Upper

107 100

108 111.3 91.7 137.5

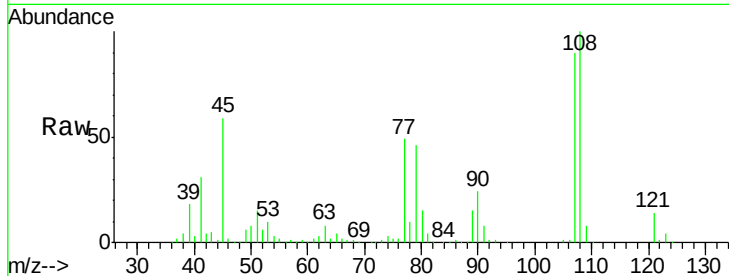
77 54.7 33.8 50.8#

79 51.7 33.8 50.8#

Manual Integrations
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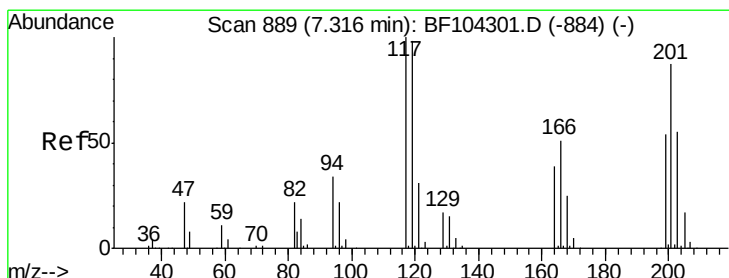
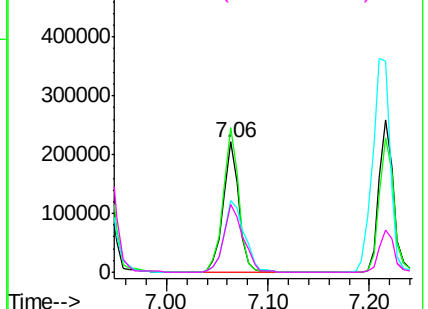
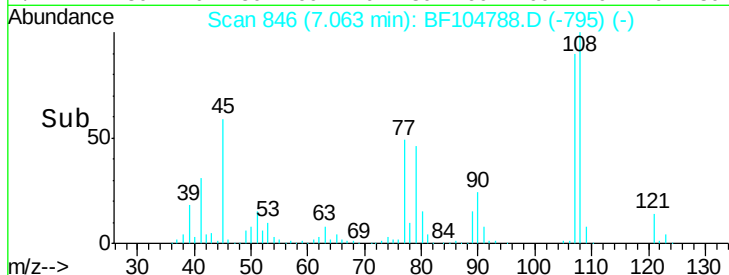


Abundance Ion 107.00 (106.70 to 107.70): E

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: 37.400 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.00 min

Lab File: BF104788.D

Acq: 25 Apr 2018 14:59

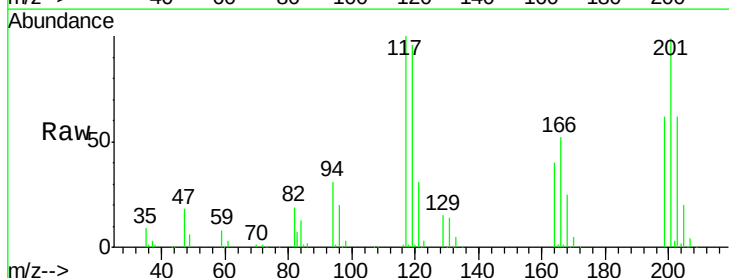
Tgt Ion:117 Resp: 120201

Ion Ratio Lower Upper

117 100

119 95.7 75.8 113.8

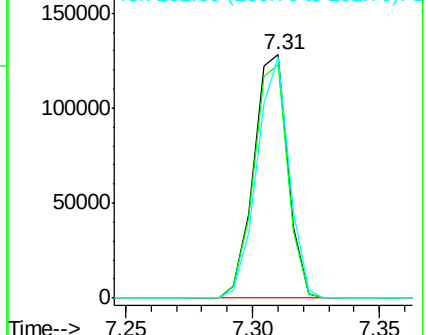
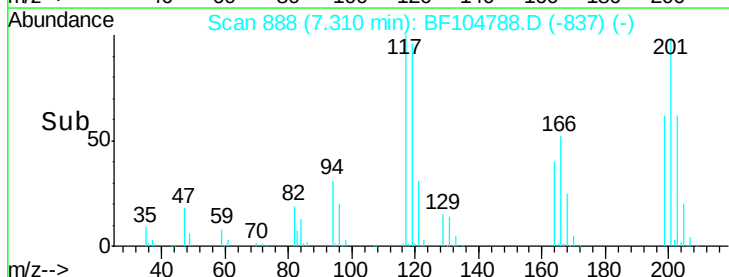
201 99.0 75.7 113.5

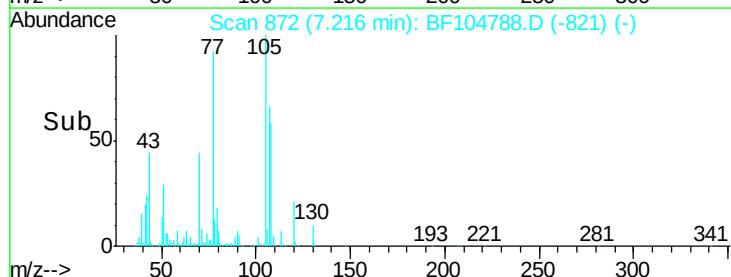
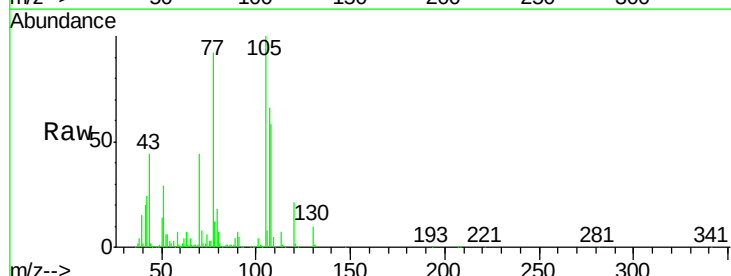
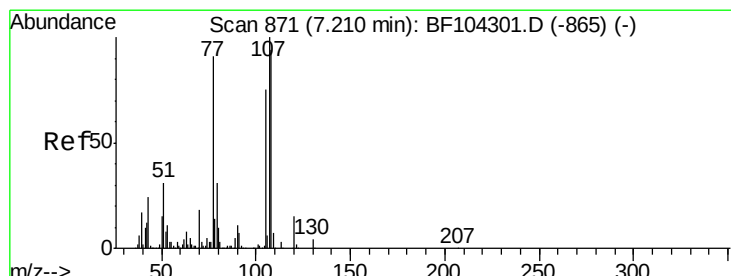
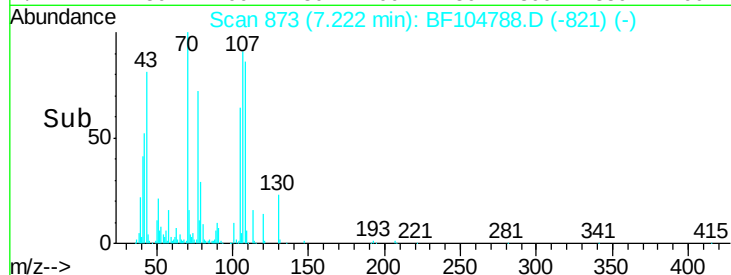
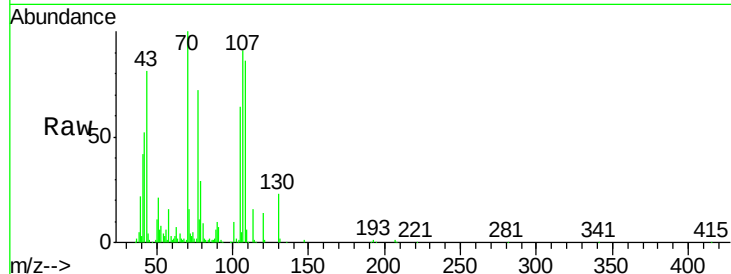
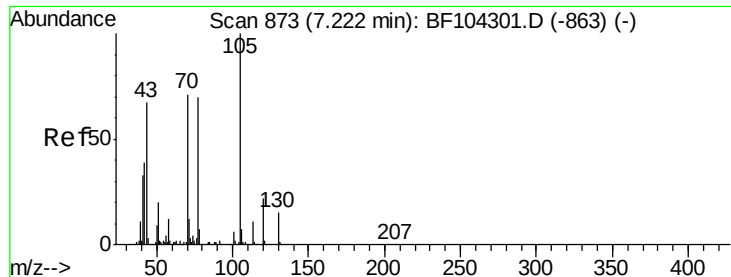


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

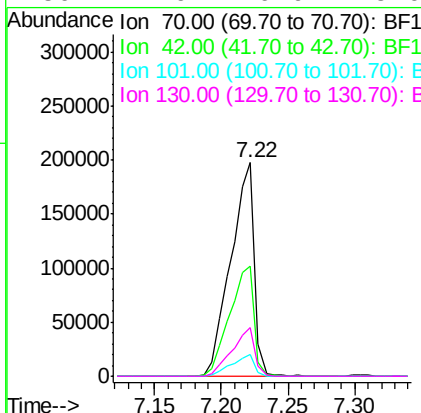
Ion 201.00 (200.70 to 201.70): E





#19
n-Nitroso-di-n-propylamine
Concen: 40.328 ng
RT: 7.22 min Scan# 873
Delta R.T. 0.01 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		244871		
42	51.7	47.5	71.3		
101	10.2	7.4	11.2		
130	22.9	16.6	25.0		



Instrument :
BNA_F
ClientSampleId :
HW-12-4-18-18MSD

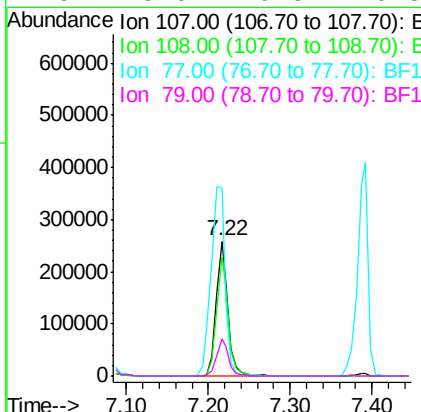
Manual Integrations
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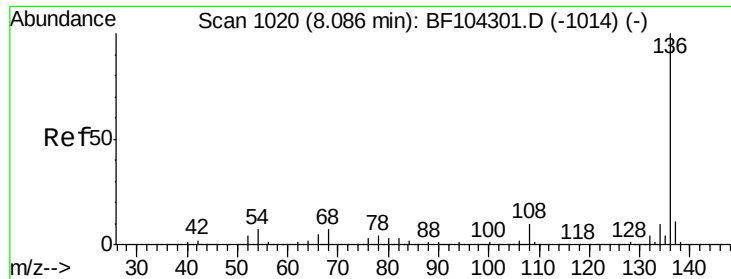
Sohil

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#20
3+4-Methylphenols
Concen: 30.198 ng
RT: 7.22 min Scan# 872
Delta R.T. 0.00 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		259863		
108	88.4	68.2	108.2		
77	139.5	26.7	66.7#		
79	28.0	6.3	46.3		





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BF104788.D

Acq: 25 Apr 2018 14:59

Instrument :

BNA_F

ClientSampleId :

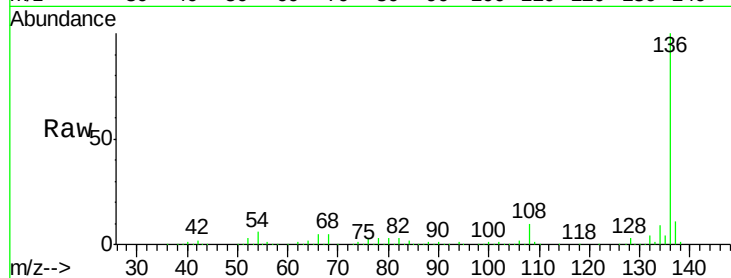
HW-12-4-18-18MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.9	13.3	
54	6.2	6.6	9.8	
68	5.3	5.0	7.4	

Manual Integrations
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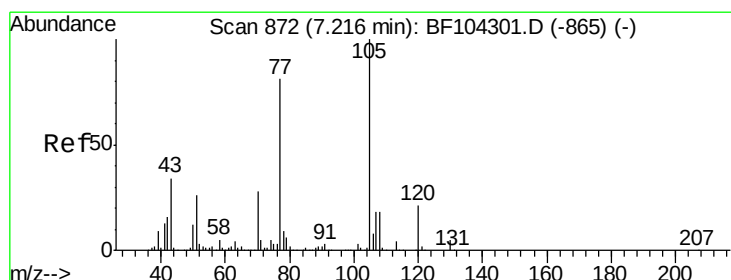
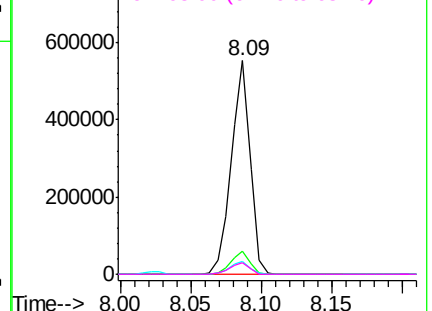
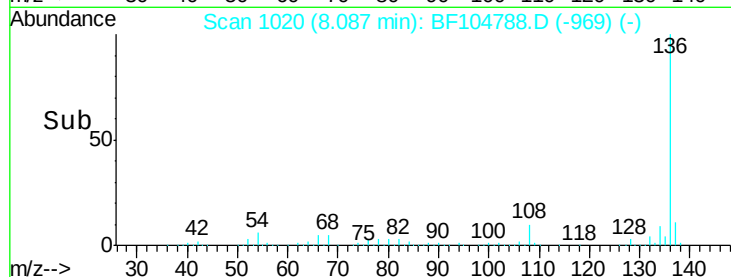


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 38.913 ng

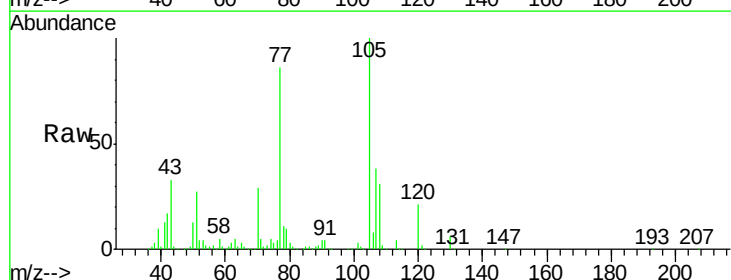
RT: 7.21 min Scan# 871

Delta R.T. -0.01 min

Lab File: BF104788.D

Acq: 25 Apr 2018 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	4.9	4.4	6.6	
51	27.1	22.3	33.5	
120	20.6	16.9	25.3	

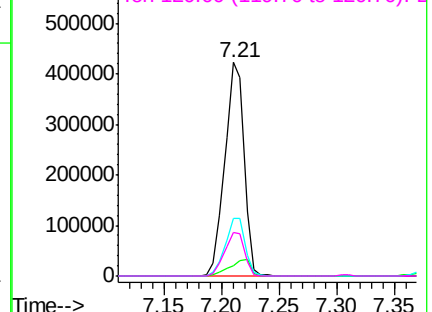
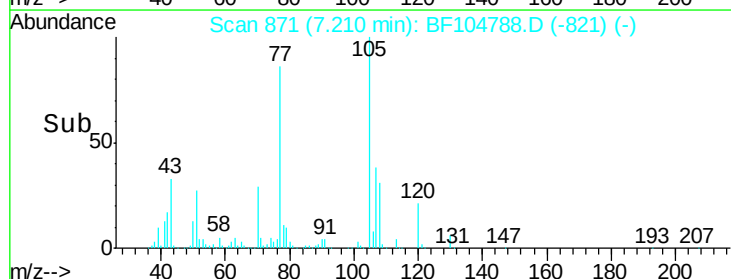


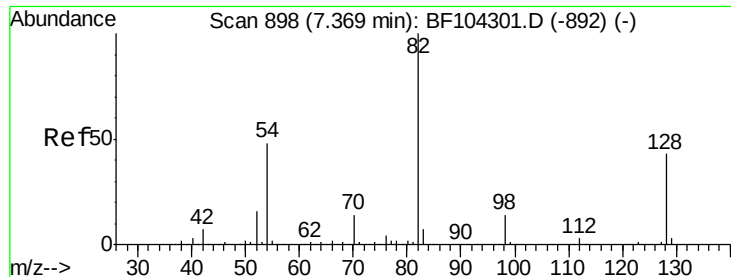
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





#23
 Nitrobenzene-d5
 Concen: 95.113 ng
 RT: 7.37 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: BF104788.D
 Acq: 25 Apr 2018 14:59

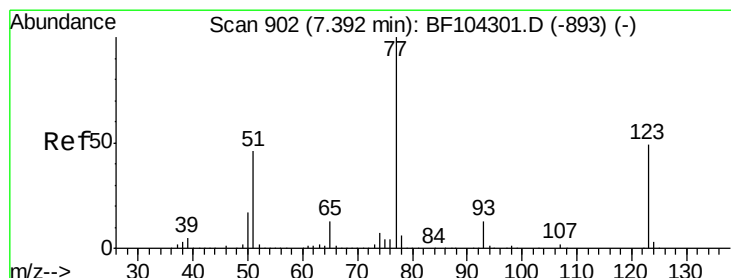
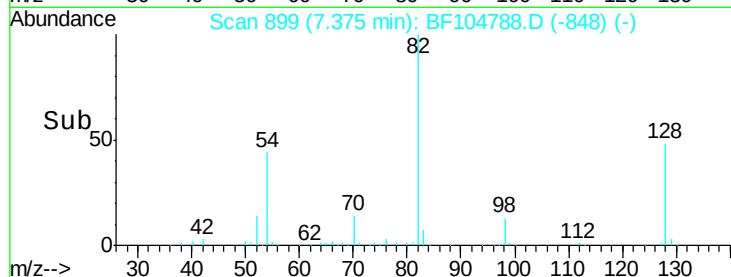
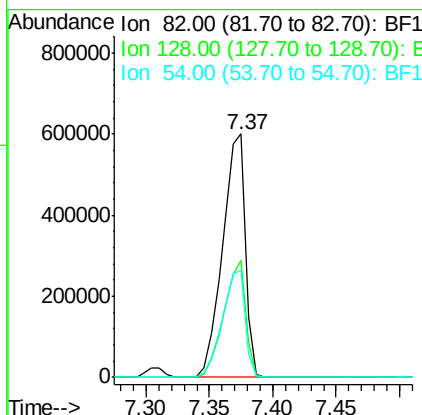
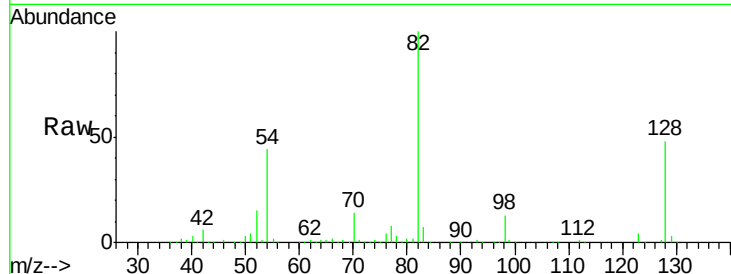
Instrument :
 BNA_F
 ClientSampleId :
 HW-12-4-18-18MSD

Tot Ion:	82	Resp:	743771
Ion Ratio	Lower	Upper	
82	100		
128	47.8	36.1	54.1
54	43.9	41.4	62.2

Manual Integrations
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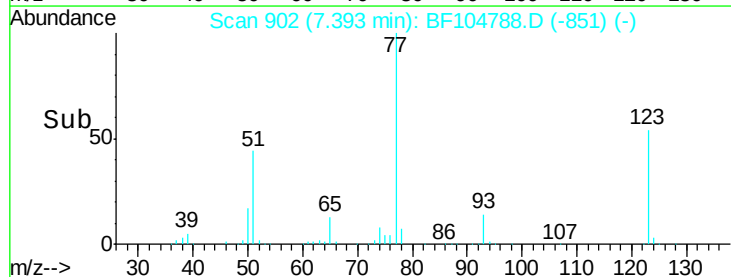
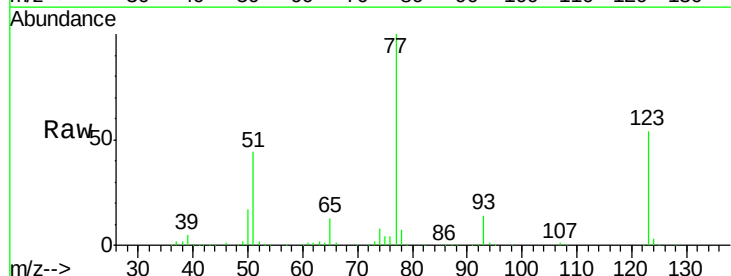
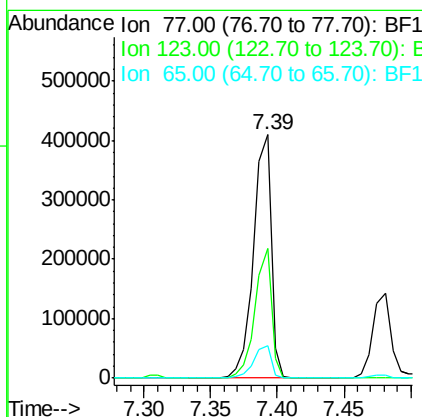
Sohil

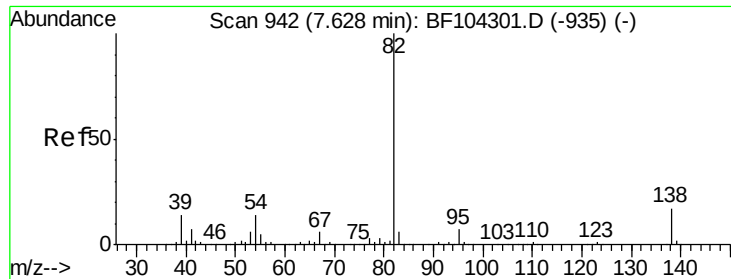
4/26/2018 6:09:34 PM



#24
 Nitrobenzene
 Concen: 43.224 ng
 RT: 7.39 min Scan# 902
 Delta R.T. 0.00 min
 Lab File: BF104788.D
 Acq: 25 Apr 2018 14:59

Tgt Ion:	77	Resp:	373182
Ion Ratio	Lower	Upper	
77	100		
123	53.5	37.9	56.9
65	13.1	11.0	16.4





#25

Isophorone

Concen: 42.983 ng

RT: 7.63 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF104788.D

Acq: 25 Apr 2018 14:59

Instrument :

BNA_F

ClientSampleId :

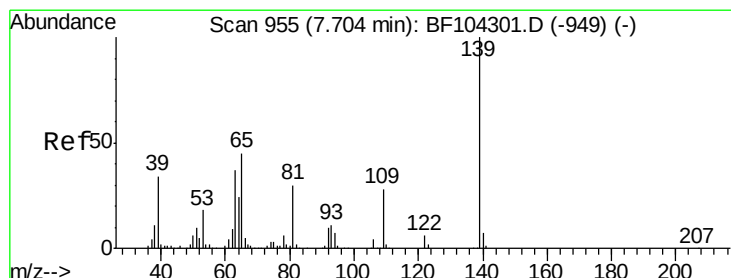
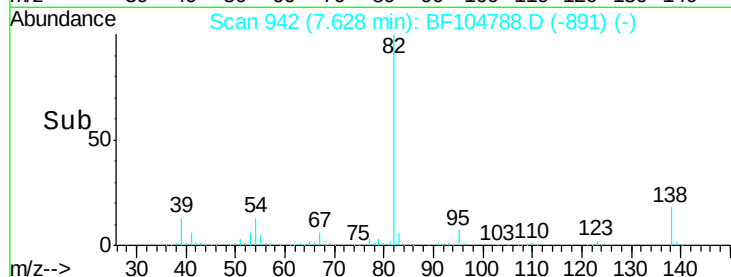
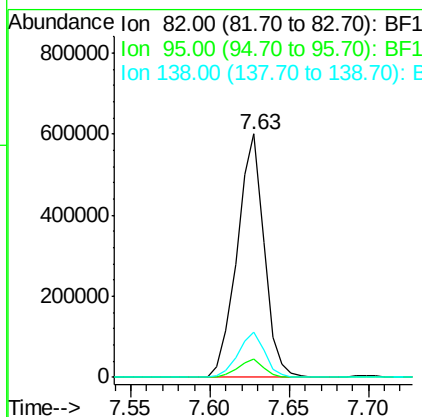
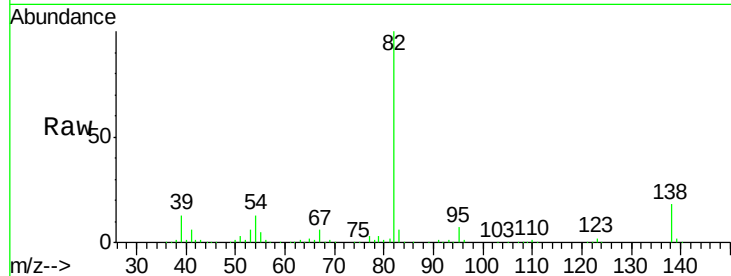
HW-12-4-18-18MSD

Tot Ion:	82	Resp:	710779
Ion Ratio	Lower	Upper	
82	100		
95	7.3	5.2	7.8
138	18.4	14.9	22.3

Manual Integrations
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Sohil

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#26

2-Nitrophenol

Concen: 56.477 ng

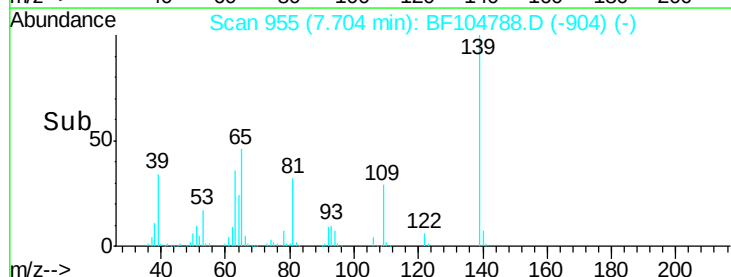
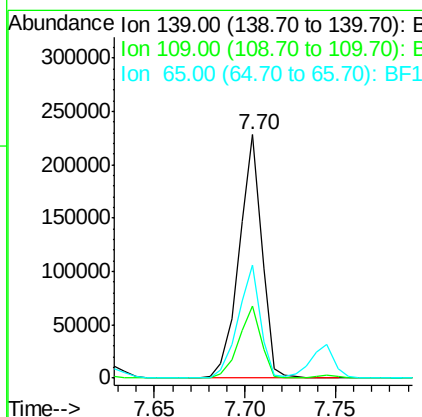
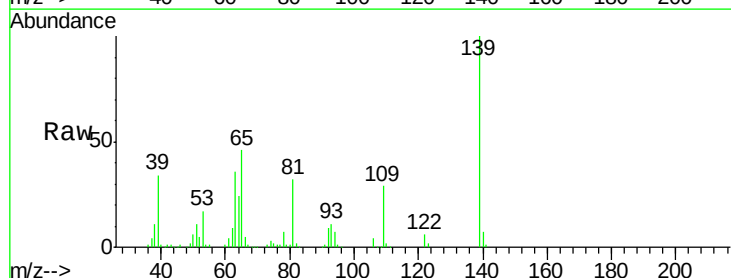
RT: 7.70 min Scan# 955

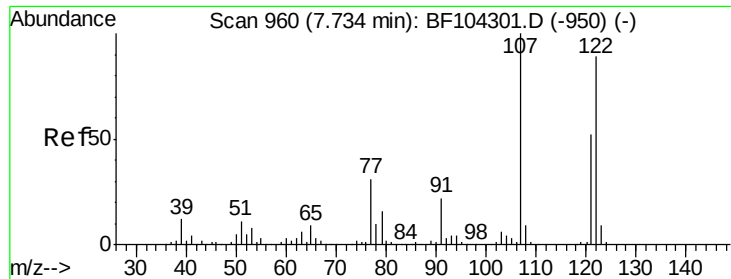
Delta R.T. -0.00 min

Lab File: BF104788.D

Acq: 25 Apr 2018 14:59

Tgt Ion:	139	Resp:	198504
Ion Ratio	Lower	Upper	
139	100		
109	29.4	22.7	34.1
65	46.3	40.5	60.7





#27
 2,4-Dimethylphenol
 Concen: 42.960 ng
 RT: 7.75 min Scan# 962
 Delta R.T. 0.00 min
 Lab File: BF104788.D
 Acq: 25 Apr 2018 14:59

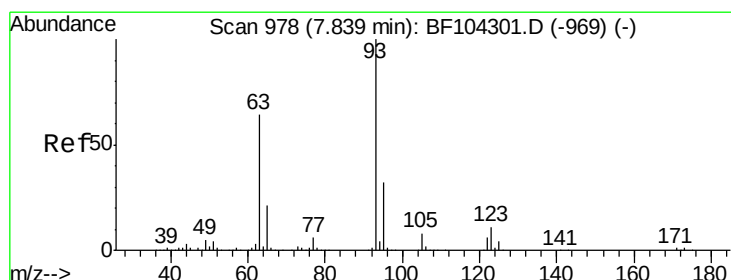
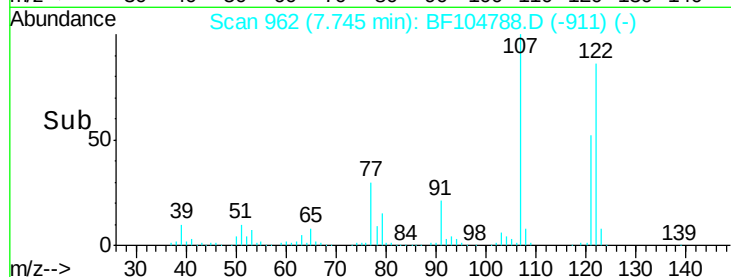
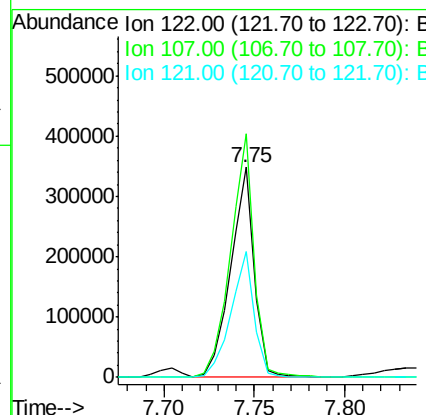
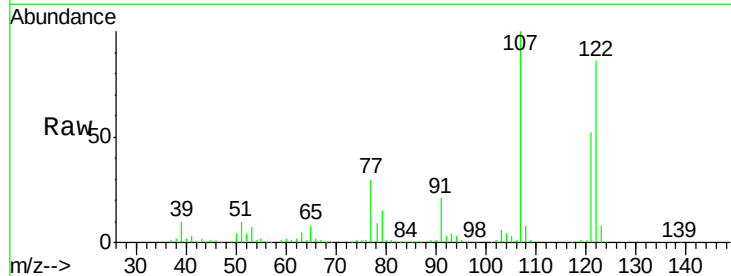
Instrument :
 BNA_F
 ClientSampleId :
 HW-12-4-18-18MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	116.1	91.2	136.8
121	59.9	47.2	70.8

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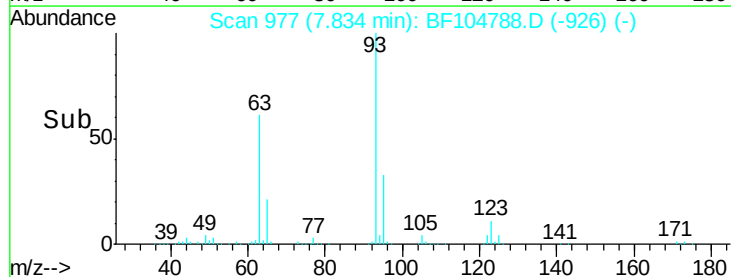
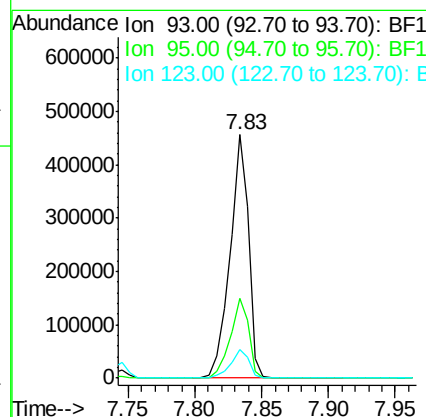
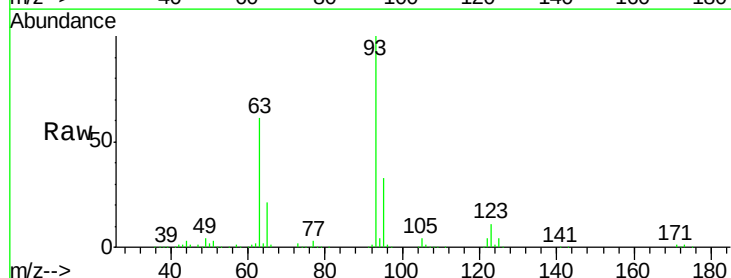
Sohil

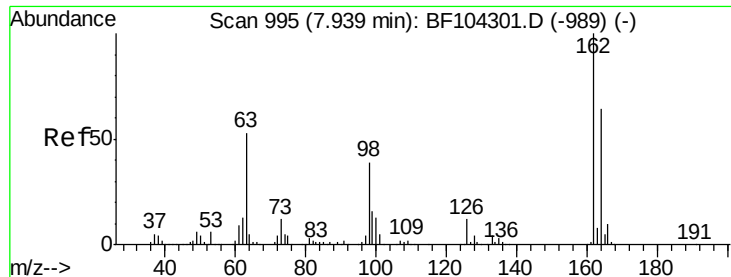
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#28
 bis(2-Chloroethoxy)methane
 Concen: 44.477 ng
 RT: 7.83 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: BF104788.D
 Acq: 25 Apr 2018 14:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.3	39.5
123	11.5	9.8	14.6





#29

2,4-Dichlorophenol

Concen: 42.460 ng

RT: 7.95 min Scan# 997

Delta R.T. 0.00 min

Lab File: BF104788.D

Acq: 25 Apr 2018 14:59

Instrument :

BNA_F

ClientSampleId :

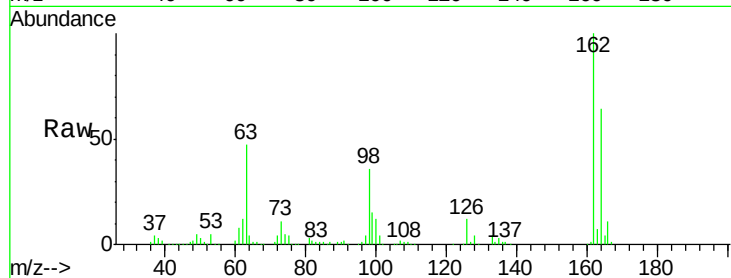
HW-12-4-18-18MSD

Tot Ion:	162	Resp:	295661
Ion Ratio	Lower	Upper	
162	100		
164	64.2	42.7	82.7
98	35.7	18.1	58.1

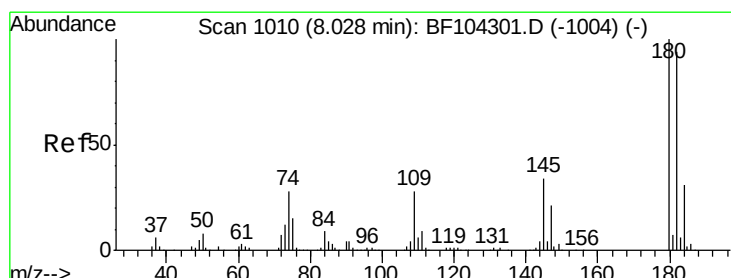
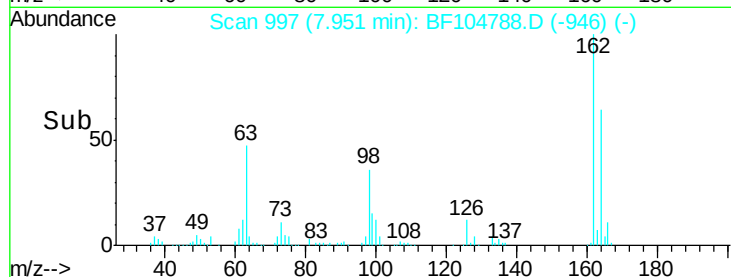
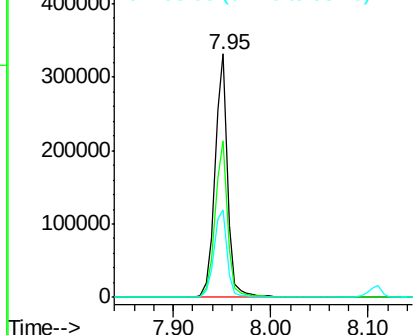
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Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1



#30

1,2,4-Trichlorobenzene

Concen: 39.301 ng

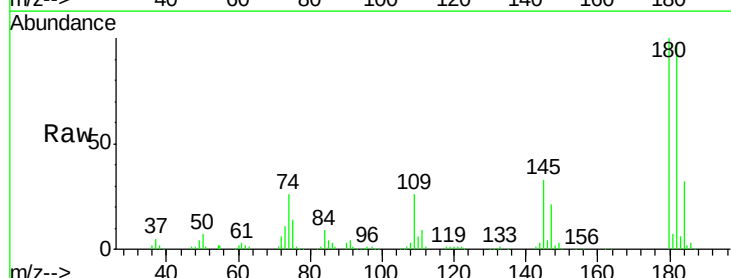
RT: 8.03 min Scan# 1010

Delta R.T. 0.00 min

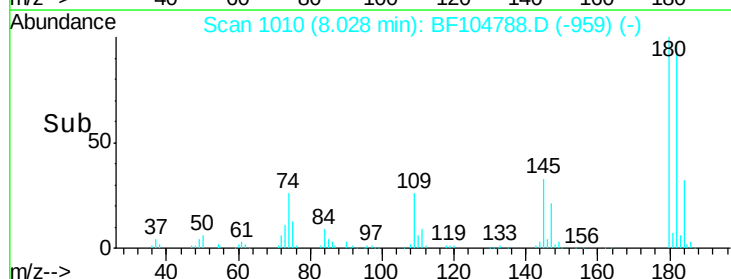
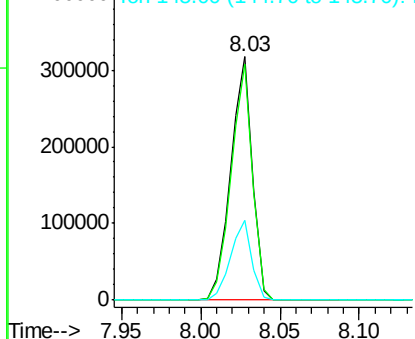
Lab File: BF104788.D

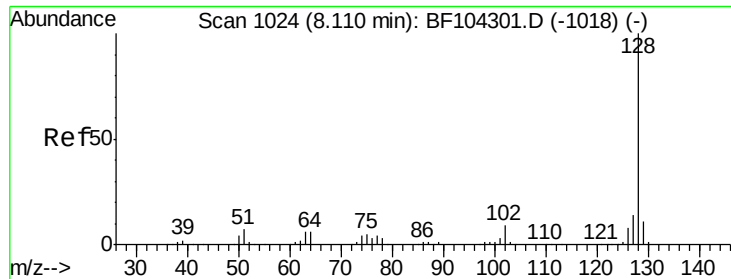
Acq: 25 Apr 2018 14:59

Tgt Ion:	180	Resp:	300340
Ion Ratio	Lower	Upper	
180	100		
182	96.7	76.8	115.2
145	32.8	26.5	39.7



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





#31
Naphthalene
Concen: 39.765 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

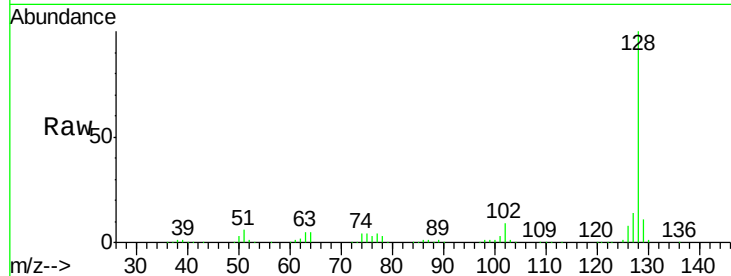
Instrument :
BNA_F
ClientSampleId :
HW-12-4-18-18MSD

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

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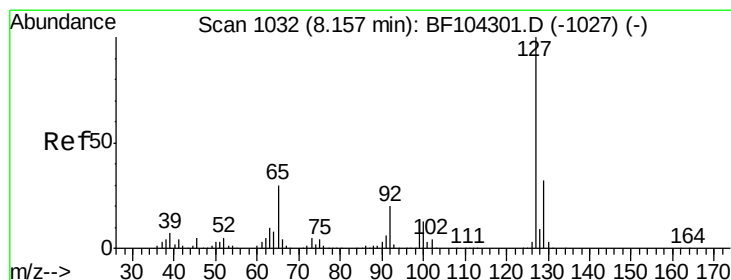
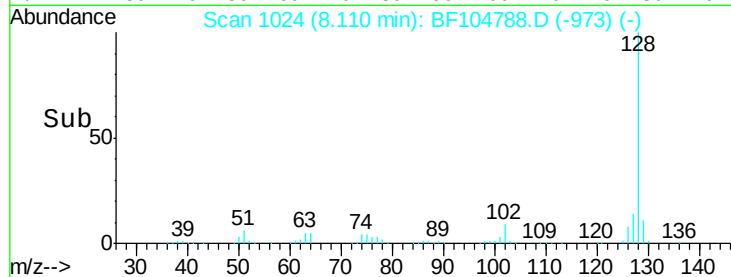
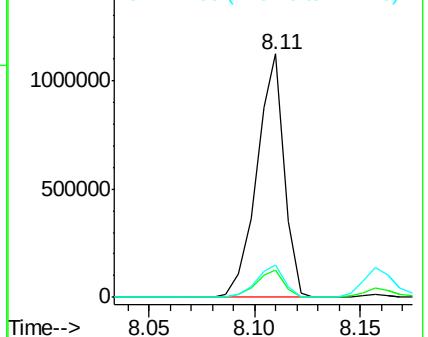


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33
4-Chloroaniline
Concen: 13.605 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.9	38.9
65	28.1	25.0	37.4
92	18.6	15.2	22.8

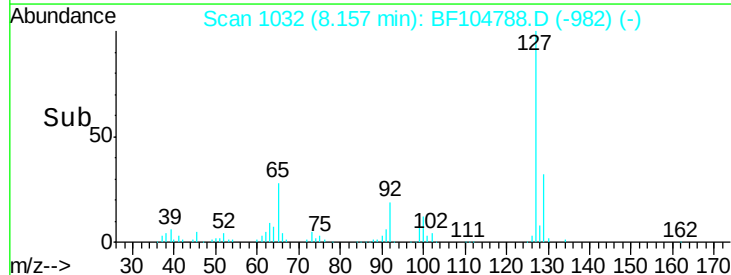
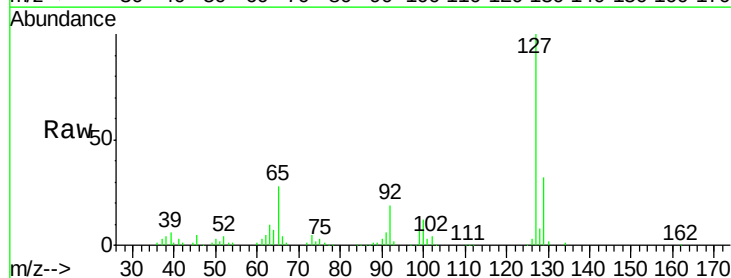
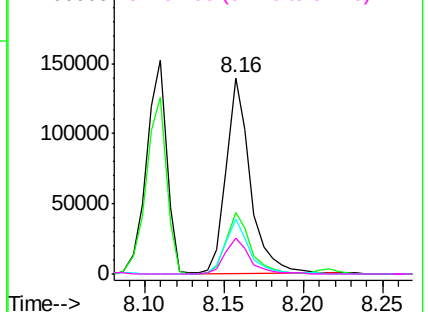
Abundance

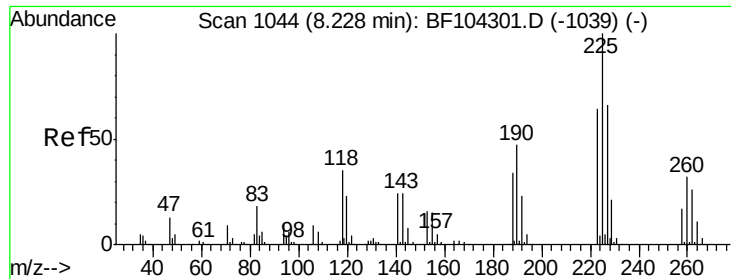
Ion 127.00 (126.70 to 127.70): E

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: 38.571 ng

RT: 8.22 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BF104788.D

Acq: 25 Apr 2018 14:59

Instrument :

BNA_F

ClientSampleId :

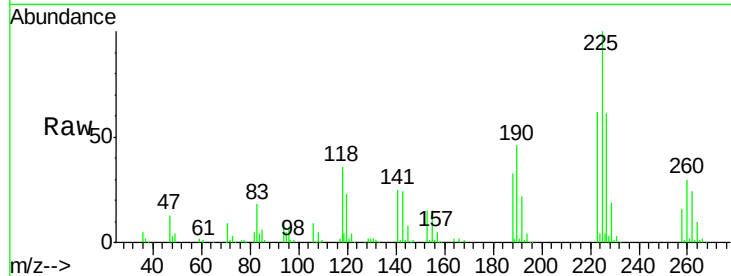
HW-12-4-18-18MSD

Tot Ion:	225	Resp:	161449
Ion Ratio		Lower	Upper
225	100		
223	62.1	50.6	76.0
227	61.5	51.9	77.9

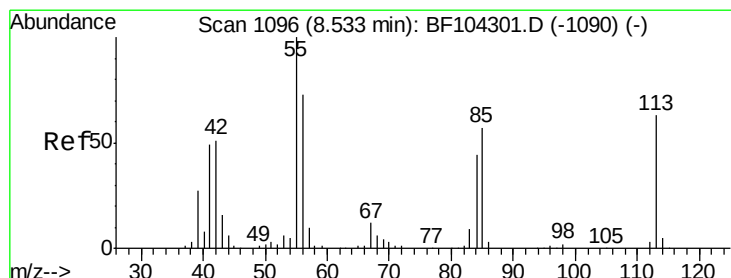
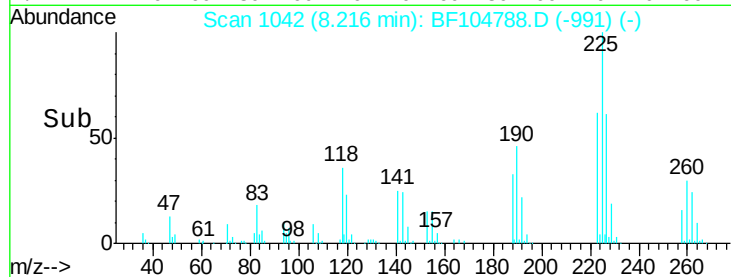
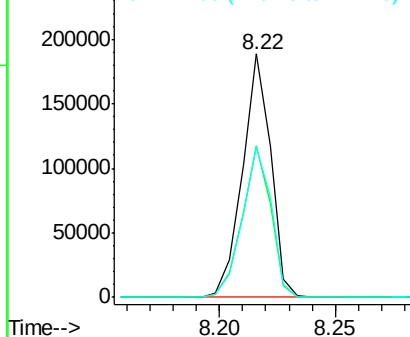
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Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E



#35

Caprolactam

Concen: 6.998 ng m

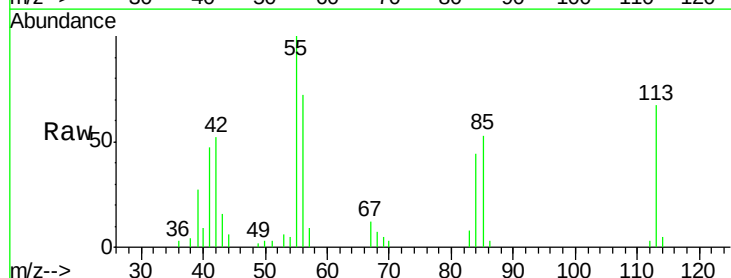
RT: 8.54 min Scan# 1097

Delta R.T. -0.01 min

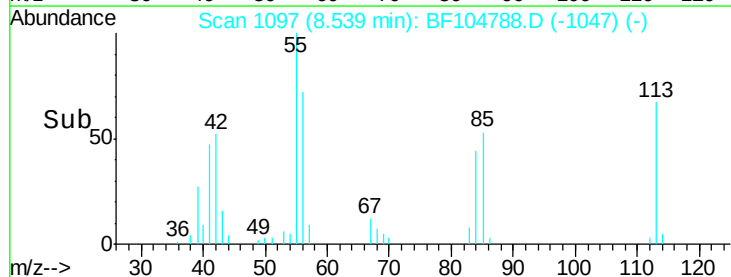
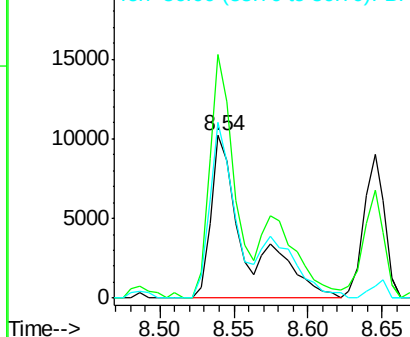
Lab File: BF104788.D

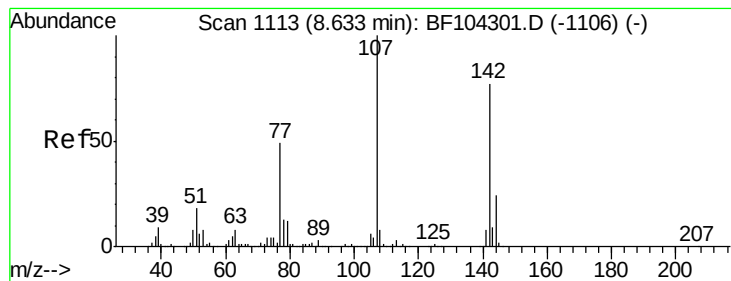
Acq: 25 Apr 2018 14:59

Tgt Ion:	113	Resp:	16998
Ion Ratio		Lower	Upper
113	100		
55	149.7	163.3	203.3#
56	108.5	115.7	155.7#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1





#36

4-Chloro-3-methylphenol

Concen: 43.996 ng

RT: 8.65 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BF104788.D

Acq: 25 Apr 2018 14:59

Instrument :

BNA_F

ClientSampleId :

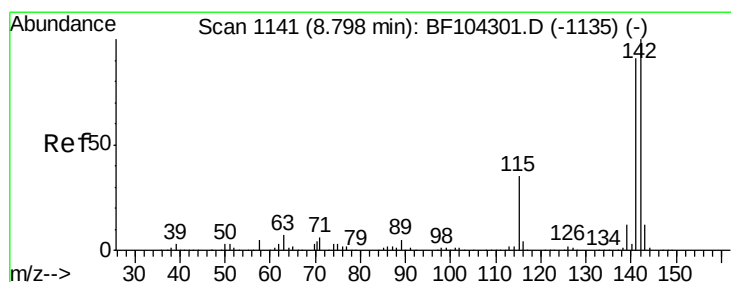
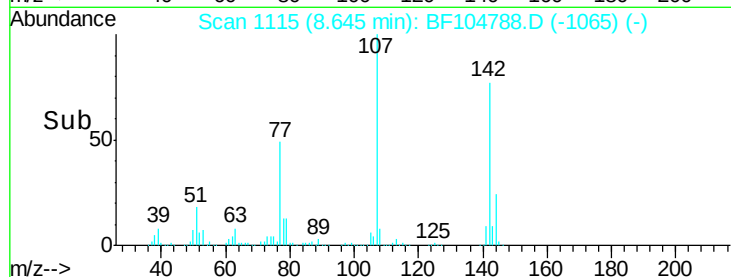
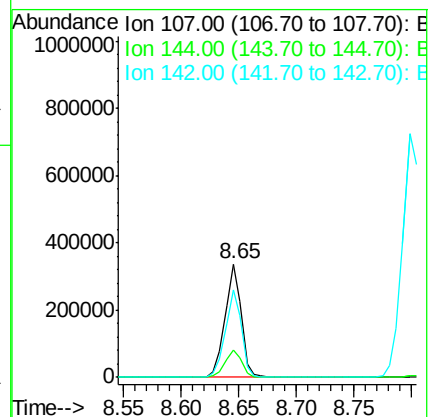
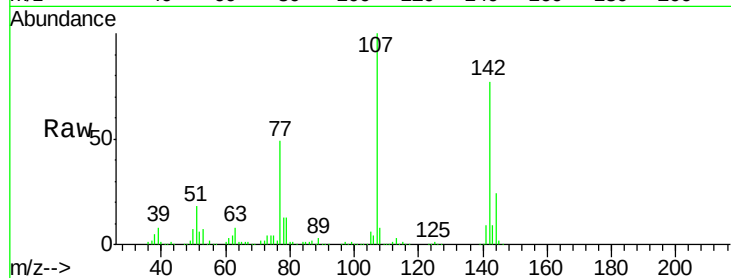
HW-12-4-18-18MSD

Tot Ion:	107	Resp:	328498
Ion Ratio	Lower	Upper	
107	100		
144	24.4	20.5	30.7
142	76.5	62.0	93.0

Manual Integrations
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#37

2-Methylnaphthalene

Concen: 43.845 ng

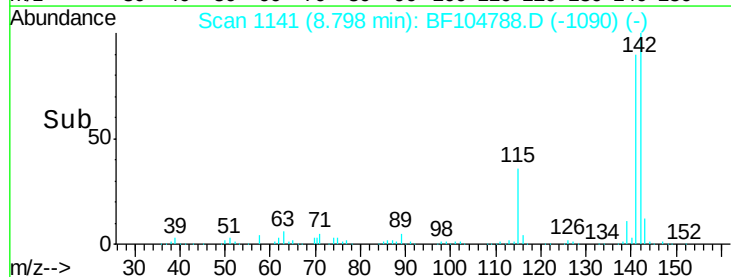
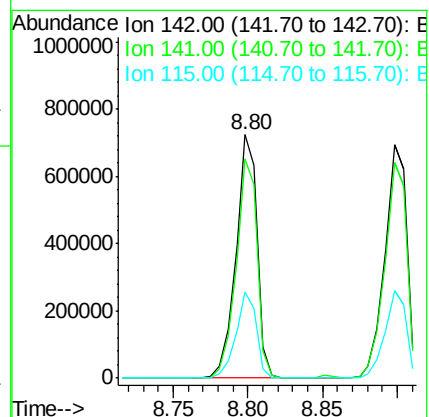
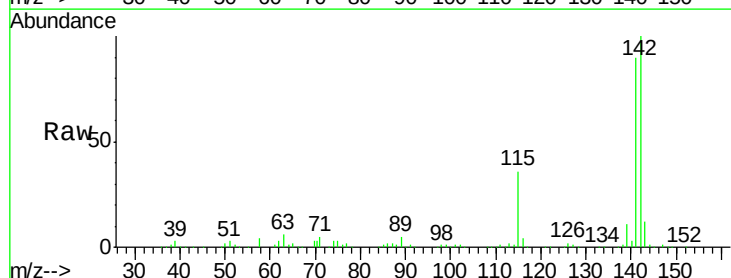
RT: 8.80 min Scan# 1141

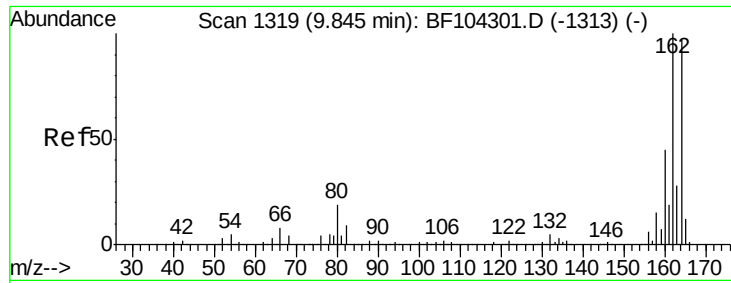
Delta R.T. 0.00 min

Lab File: BF104788.D

Acq: 25 Apr 2018 14:59

Tgt Ion:	142	Resp:	721109
Ion Ratio	Lower	Upper	
142	100		
141	90.0	70.8	106.2
115	35.6	26.1	39.1





#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.00 min
 Lab File: BF104788.D
 Acq: 25 Apr 2018 14:59

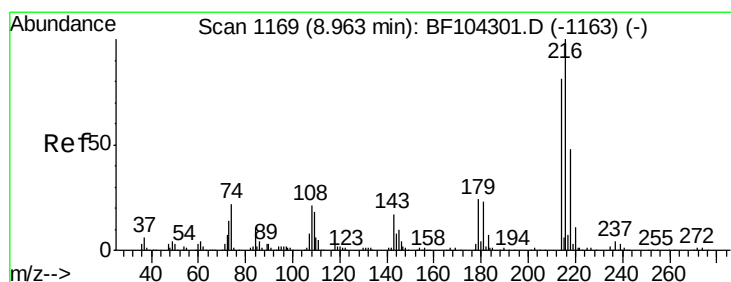
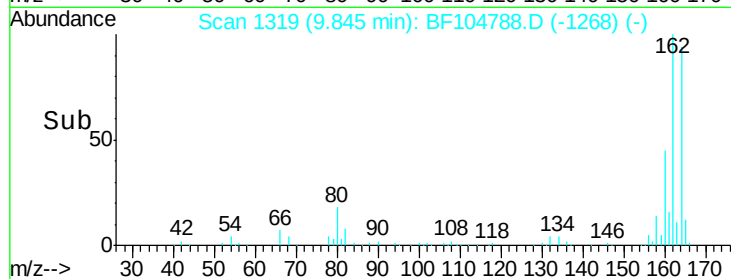
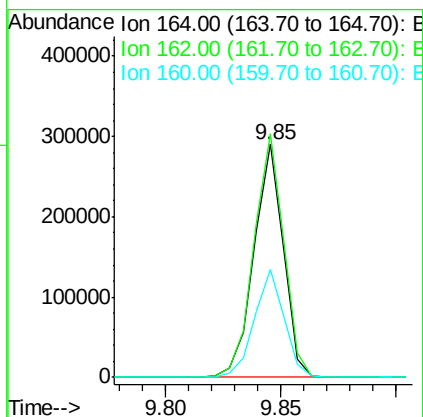
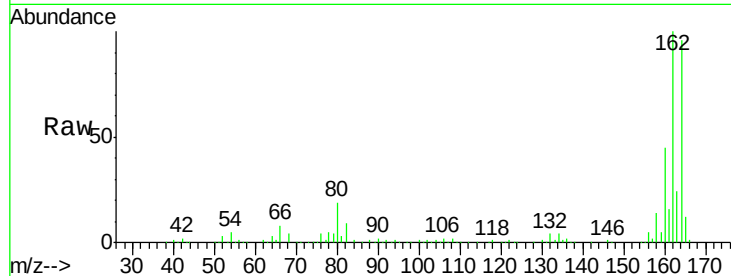
Instrument :
 BNA_F
 ClientSampleId :
 HW-12-4-18-18MSD

Tot Ion	164	Resp	258255
Ion Ratio	Lower	Upper	
164	100		
162	104.4	86.1	129.1
160	46.5	38.3	57.5

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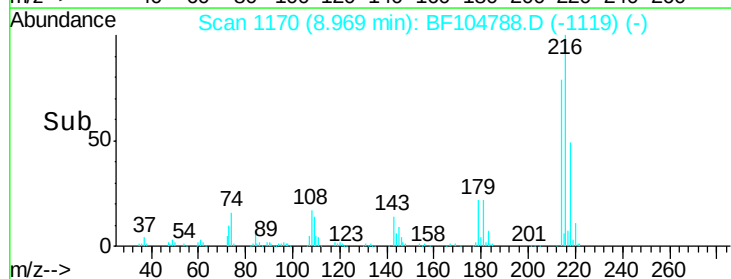
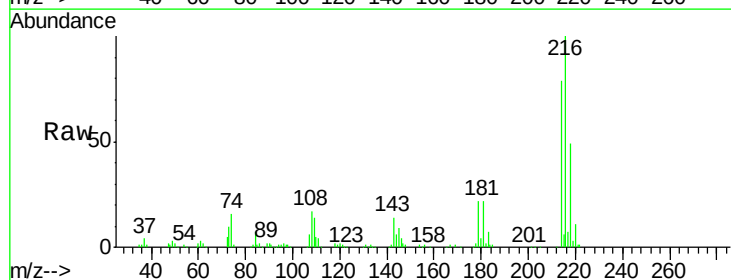
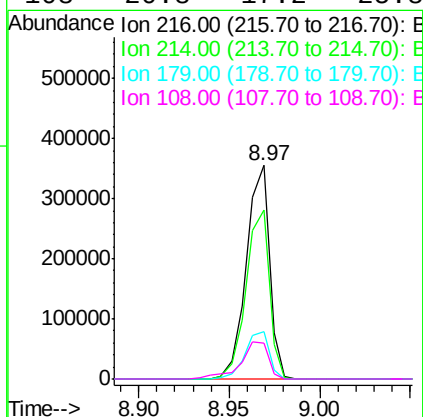
Sohil

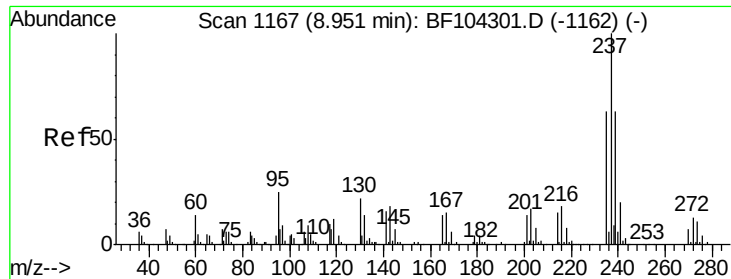
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#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 42.803 ng
 RT: 8.97 min Scan# 1170
 Delta R.T. 0.00 min
 Lab File: BF104788.D
 Acq: 25 Apr 2018 14:59

Tgt Ion	216	Resp	316433
Ion Ratio	Lower	Upper	
216	100		
214	80.2	63.0	94.4
179	23.1	18.1	27.1
108	20.8	17.2	25.8





#40
Hexachlorocyclopentadiene
Concen: 47.425 ng
RT: 8.95 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

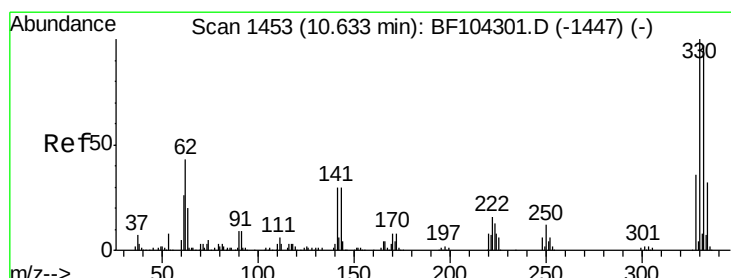
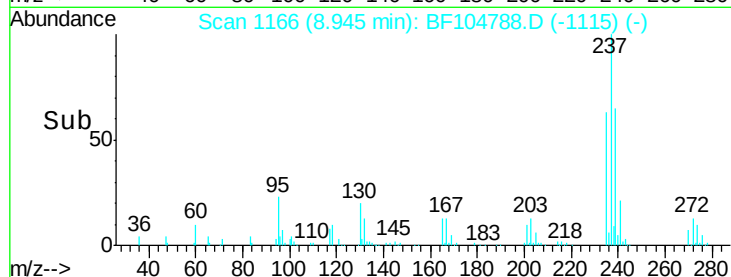
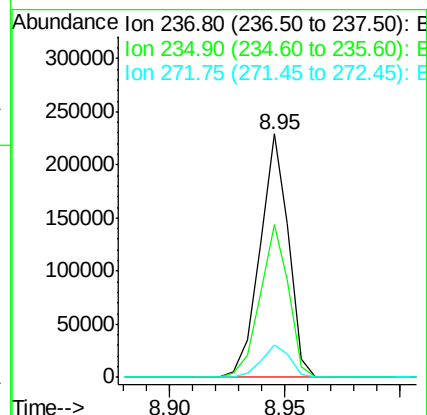
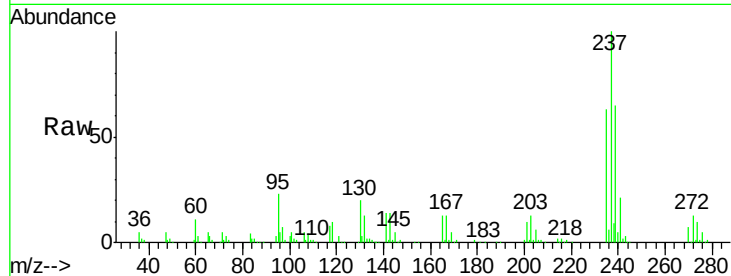
Instrument :
BNA_F
ClientSampleId :
HW-12-4-18-18MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
237	100		
235	62.8	44.8	84.8
272	13.5	0.0	33.3

Manual Integrations
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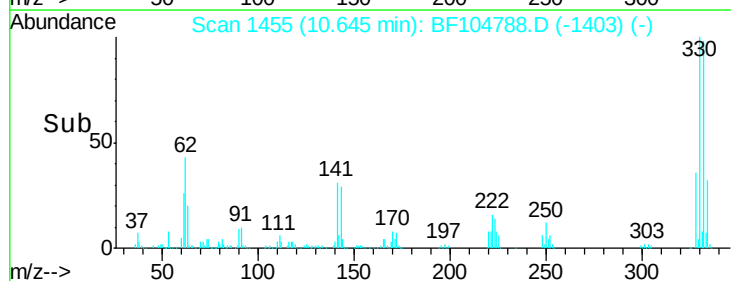
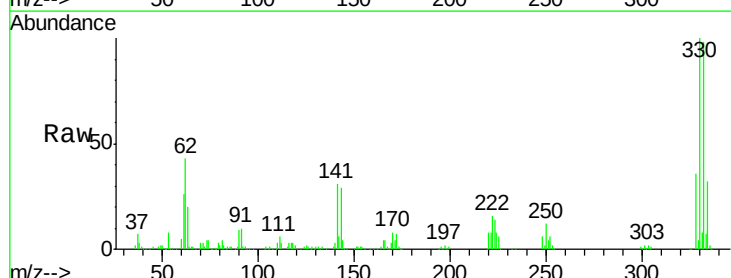
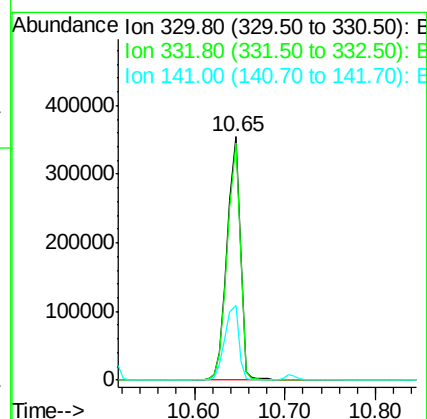
Sohil

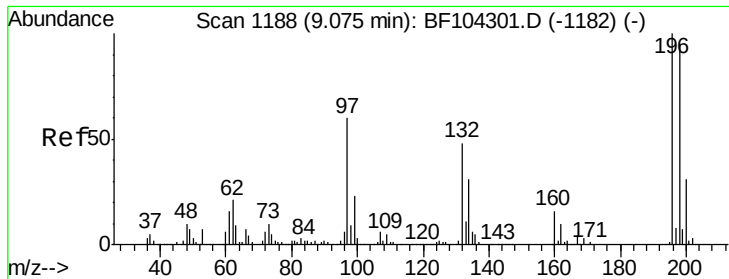
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#41
2,4,6-Tribromophenol
Concen: 132.770 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.01 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	96.3	77.0	115.6
141	32.4	29.9	44.9





#42
 2,4,6-Trichlorophenol
 Concen: 44.356 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: BF104788.D
 Acq: 25 Apr 2018 14:59

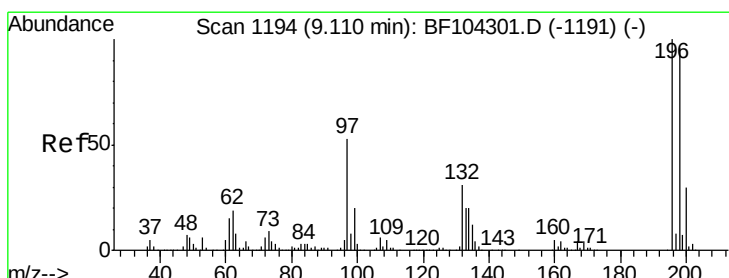
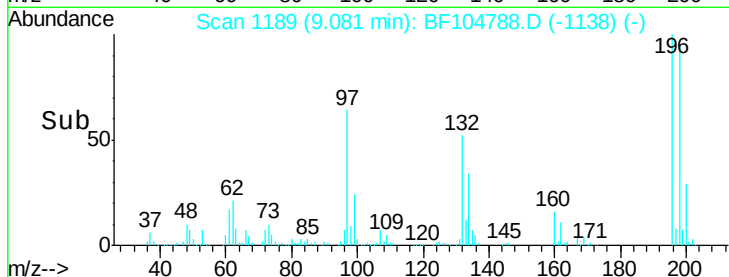
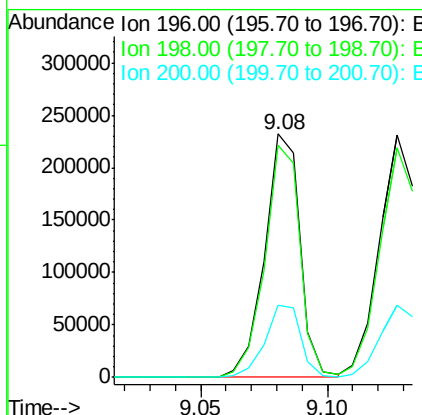
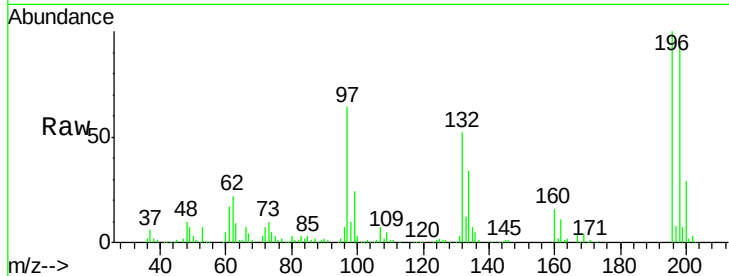
Instrument :
 BNA_F
 ClientSampleId :
 HW-12-4-18-18MSD

Tot Ion:	196	Resp:	227631
Ion Ratio	Lower	Upper	
196	100		
198	95.1	75.7	113.5
200	29.5	24.5	36.7

Manual Integrations
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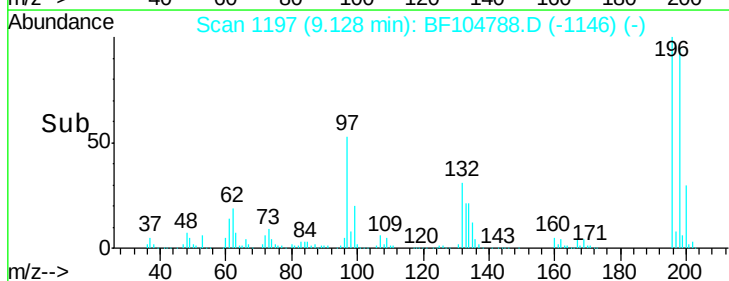
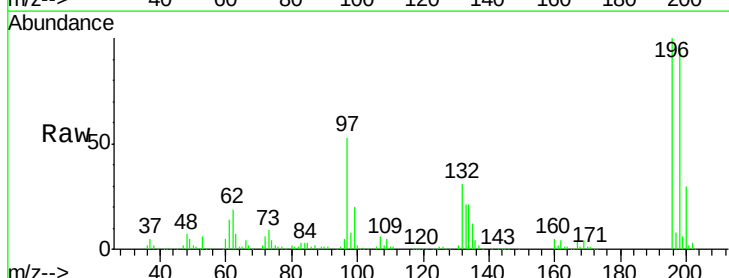
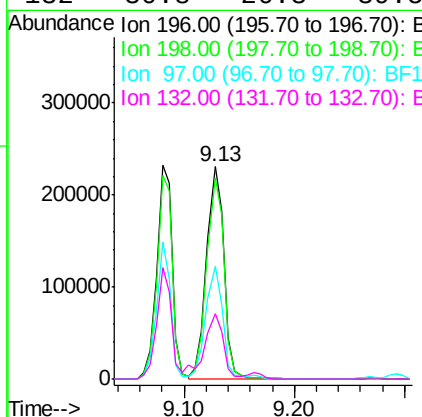
Sohil

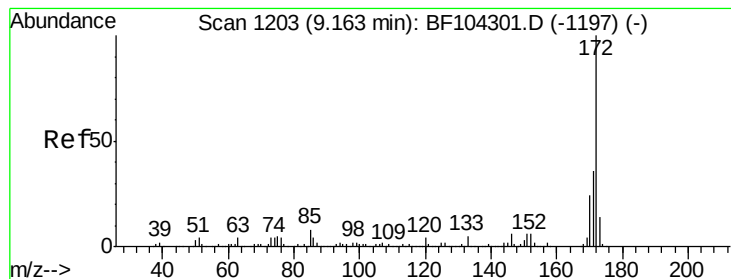
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#43
 2,4,5-Trichlorophenol
 Concen: 42.718 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.00 min
 Lab File: BF104788.D
 Acq: 25 Apr 2018 14:59

Tgt Ion:	196	Resp:	245322
Ion Ratio	Lower	Upper	
196	100		
198	95.1	74.6	112.0
97	53.0	42.9	64.3
132	30.8	26.3	39.5





#44
2-Fluorobiphenyl
Concen: 88.775 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

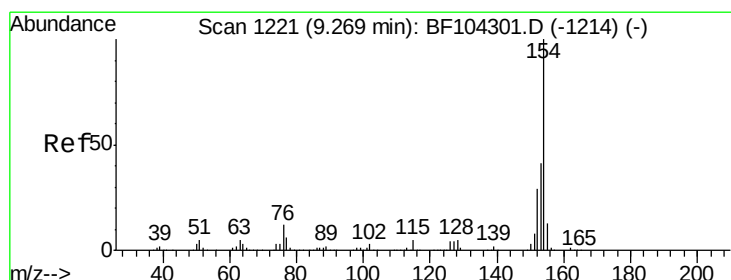
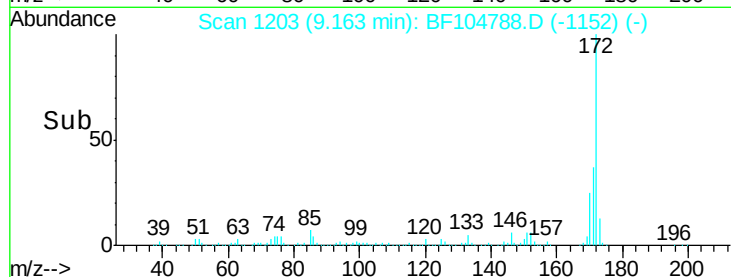
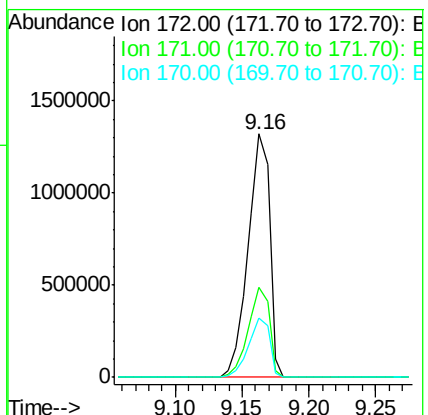
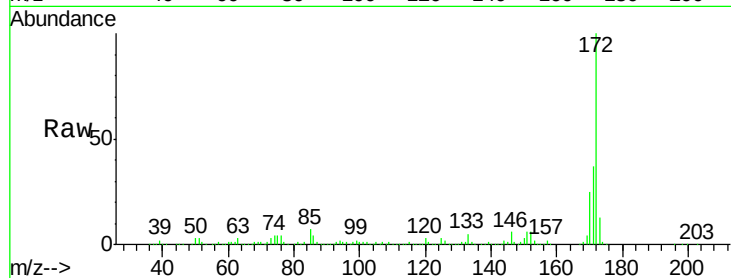
Instrument :
BNA_F
ClientSampleId :
HW-12-4-18-18MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.5	19.6	29.4

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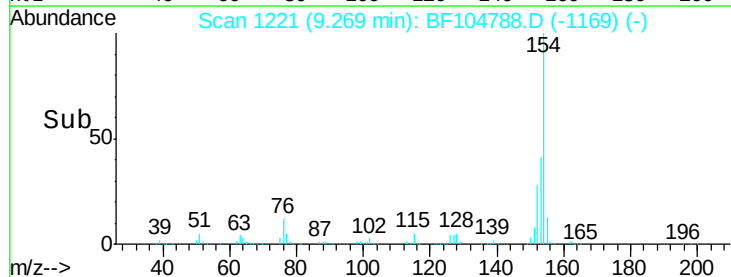
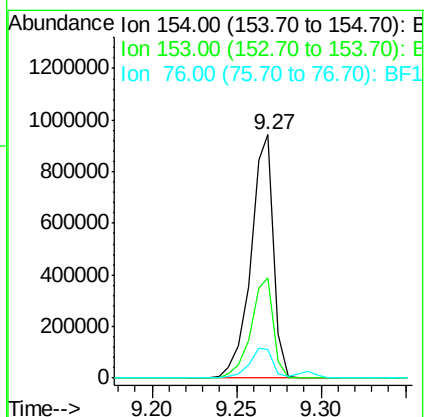
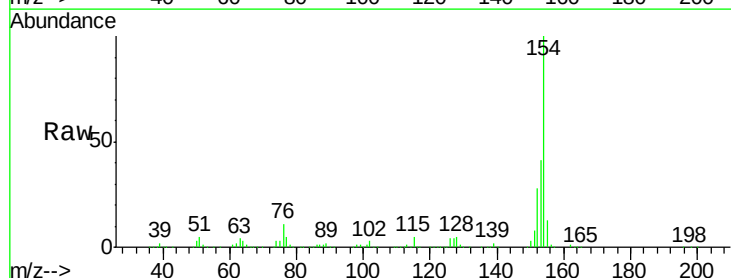
Sohil

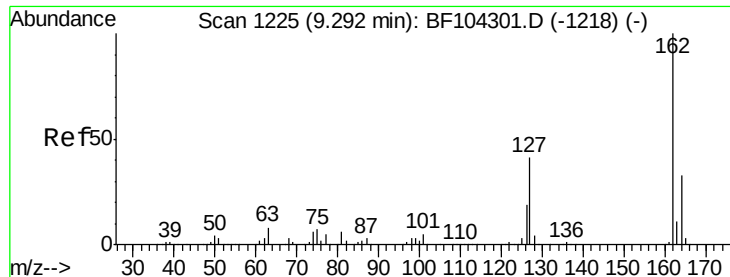
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#45
1,1'-Biphenyl
Concen: 40.563 ng
RT: 9.27 min Scan# 1221
Delta R.T. 0.01 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.4	21.3	61.3
76	11.5	0.0	34.0





#46
2-Chloronaphthalene
Concen: 40.701 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.00 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

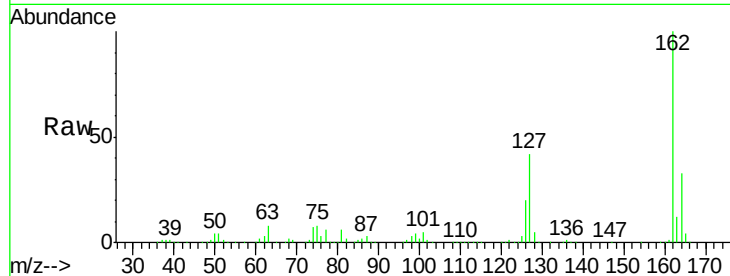
Instrument :
BNA_F
ClientSampleId :
HW-12-4-18-18MSD

Tot Ion:	162	Resp:	697463
Ion Ratio	Lower	Upper	
162	100		
127	42.4	33.9	50.9
164	33.0	26.5	39.7

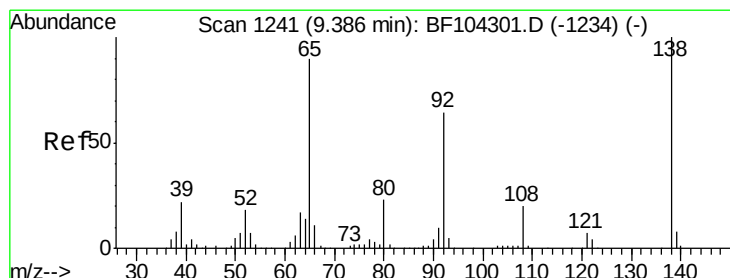
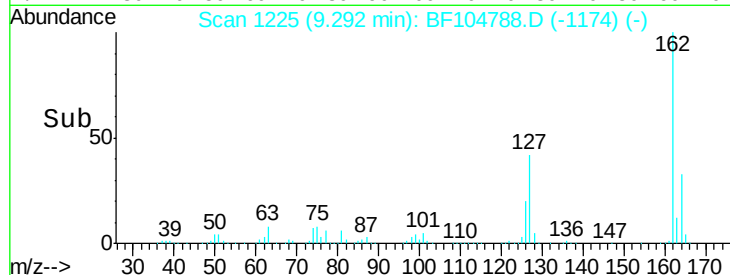
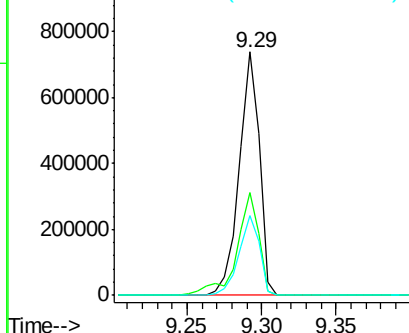
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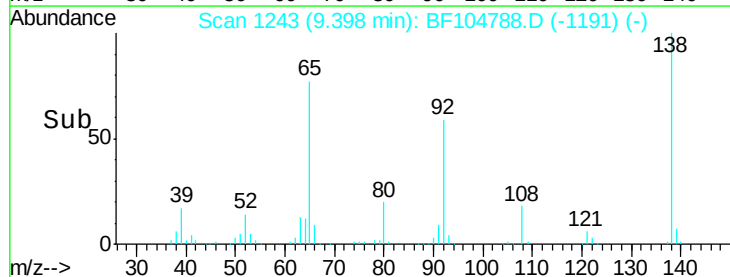
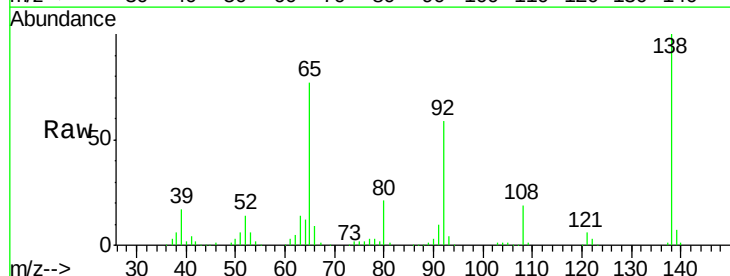
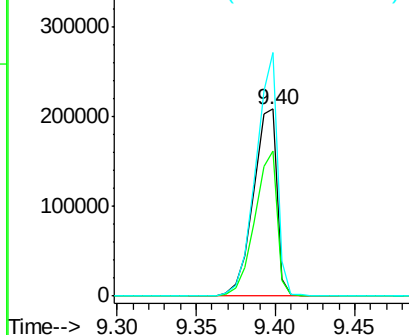
Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

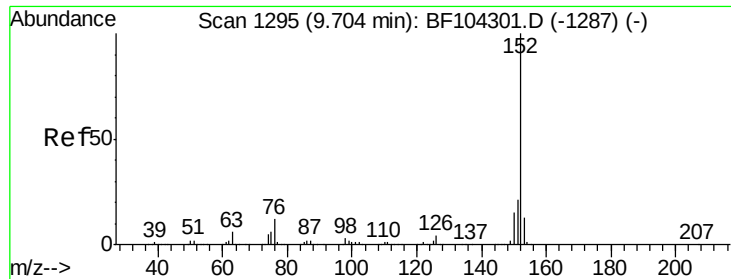


#47
2-Nitroaniline
Concen: 51.029 ng
RT: 9.40 min Scan# 1243
Delta R.T. 0.01 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

Tgt Ion:	65	Resp:	216252
Ion Ratio	Lower	Upper	
65	100		
92	77.4	55.8	83.6
138	130.1	91.2	136.8

Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





#48
Acenaphthylene
Concen: 38.510 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.00 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

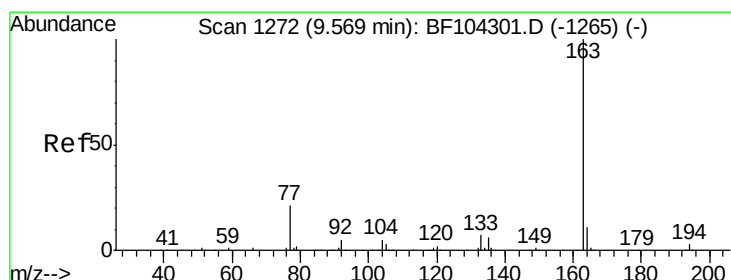
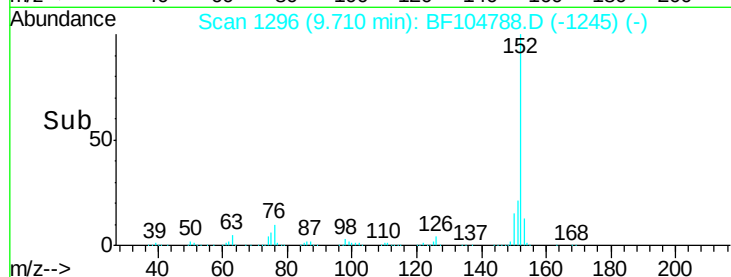
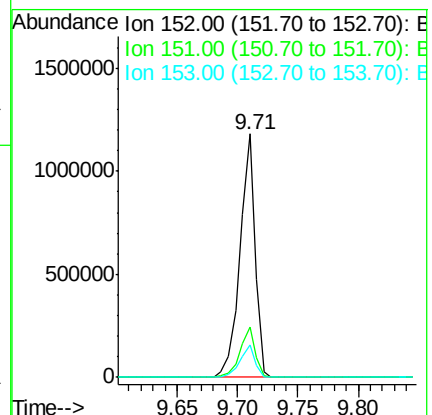
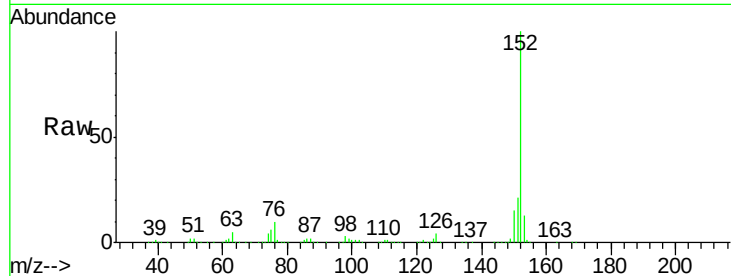
Instrument :
BNA_F
ClientSampleId :
HW-12-4-18-18MSD

Tot Ion	Ion	Ratio	Lower	Upper
152	100			
151	20.7	16.3	24.5	
153	13.2	10.7	16.1	

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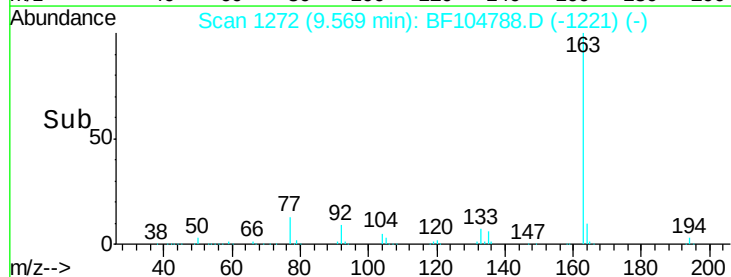
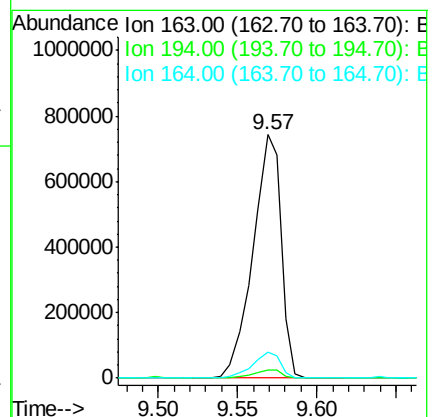
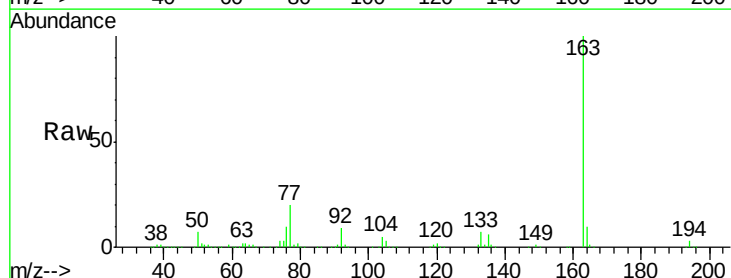
Sohil

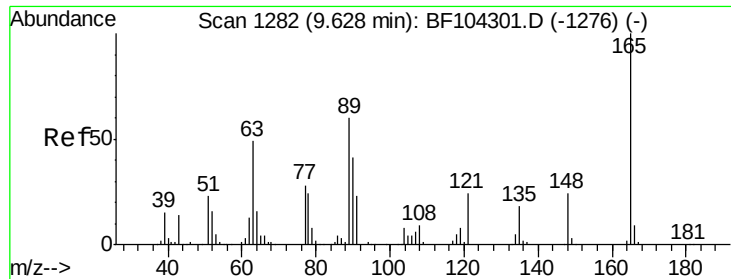
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#49
Dimethylphthalate
Concen: 45.318 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.00 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

Tgt Ion	Ion	Ratio	Lower	Upper
163	100			
194	3.4	2.7	4.1	
164	10.5	8.2	12.2	





#50
 2,6-Dinitrotoluene
 Concen: 51.879 ng
 RT: 9.64 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: BF104788.D
 Acq: 25 Apr 2018 14:59

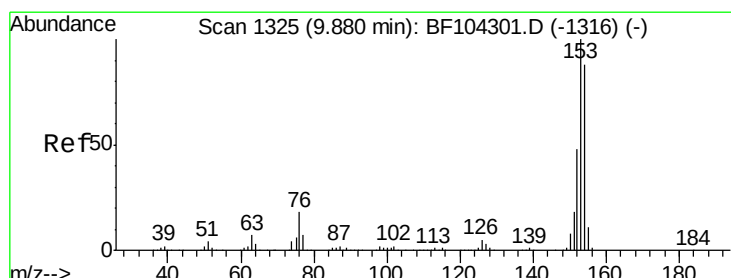
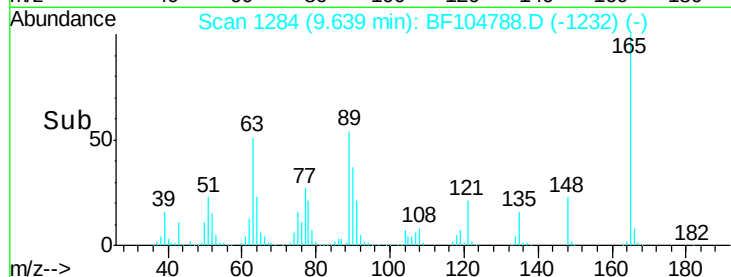
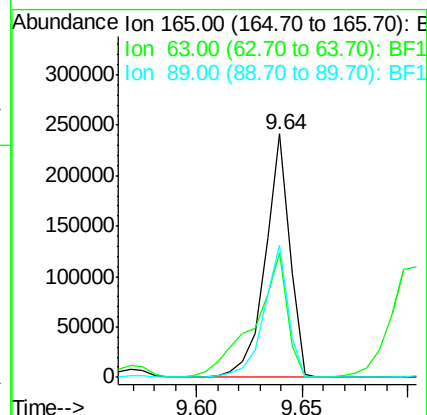
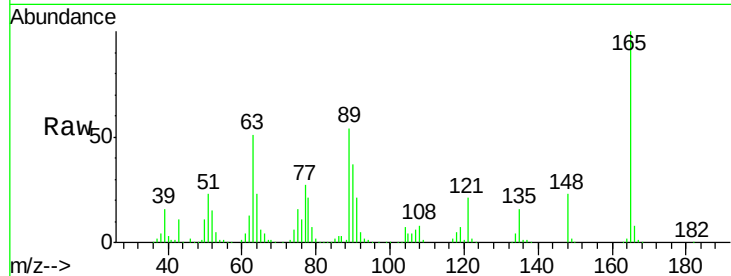
Instrument :
 BNA_F
 ClientSampleId :
 HW-12-4-18-18MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	195502		
63	51.3	44.7	67.1	
89	54.5	44.0	66.0	

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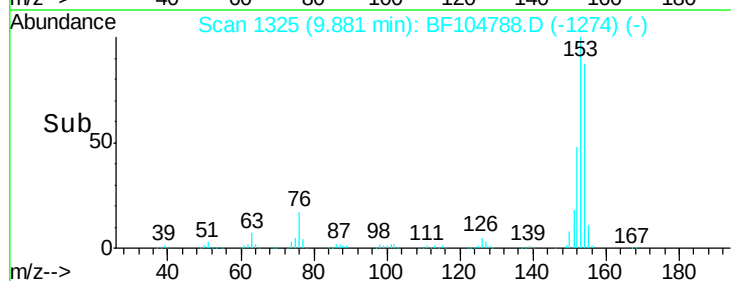
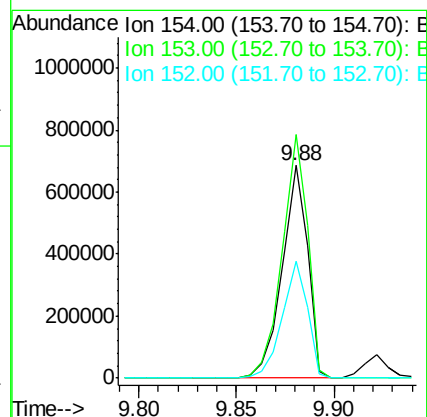
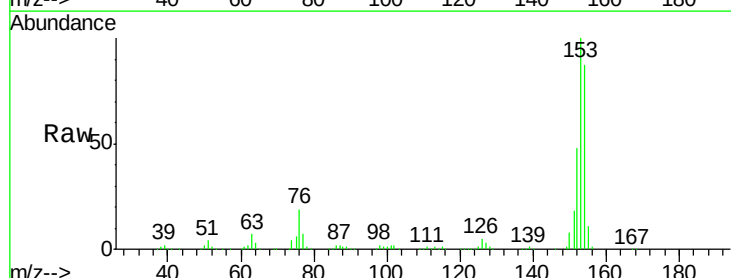
Sohil

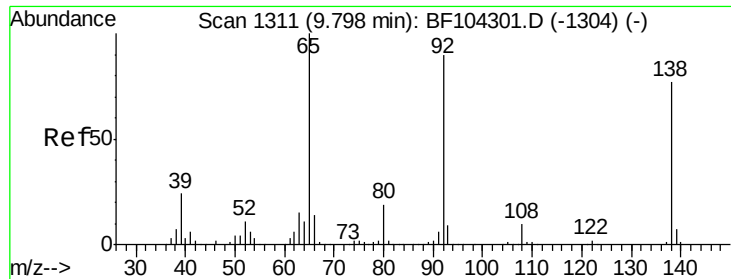
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#51
 Acenaphthene
 Concen: 37.881 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: BF104788.D
 Acq: 25 Apr 2018 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	621420		
153	114.6	91.2	136.8	
152	55.1	43.8	65.8	





#52
 3-Nitroaniline
 Concen: 21.791 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.01 min
 Lab File: BF104788.D
 Acq: 25 Apr 2018 14:59

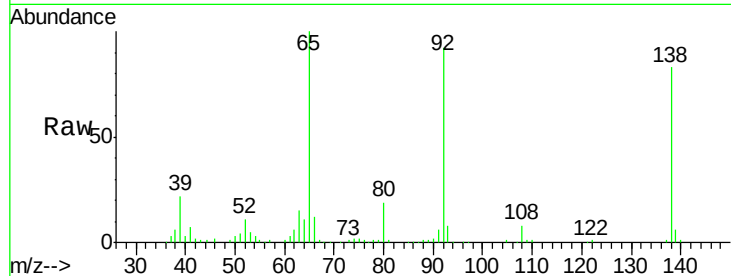
Instrument :
 BNA_F
 ClientSampleId :
 HW-12-4-18-18MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.1	9.4	14.0
92	111.2	89.4	134.2

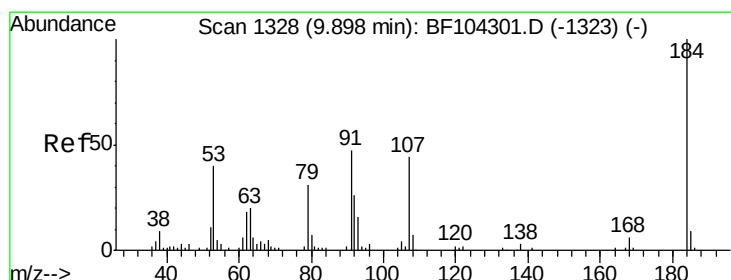
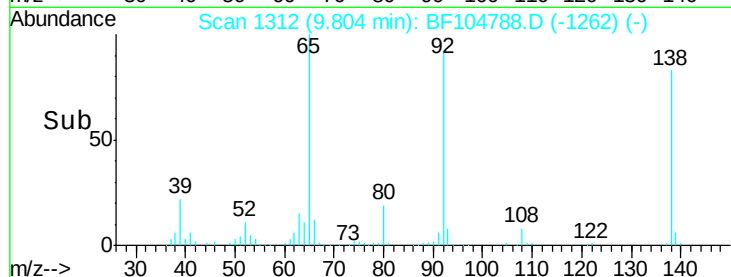
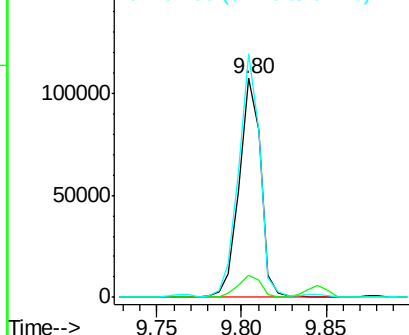
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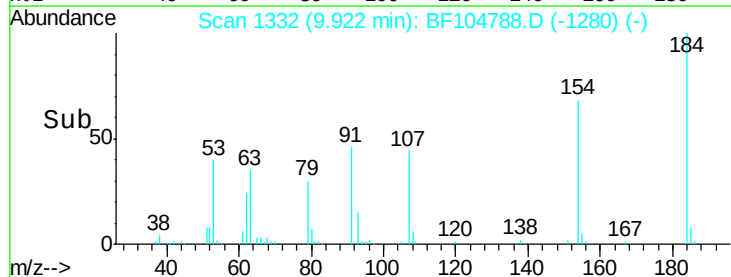
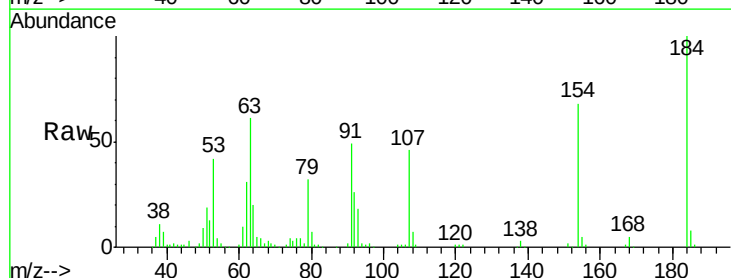
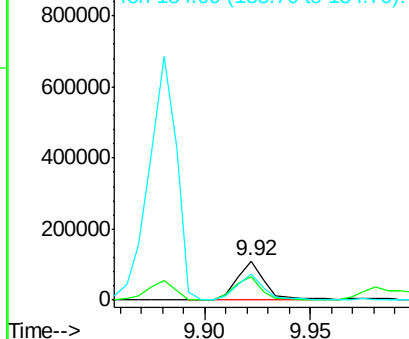
Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BF1

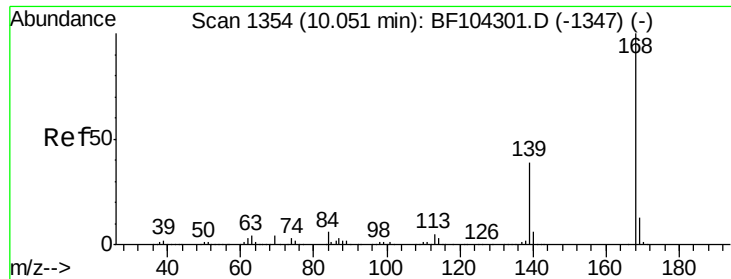


#53
 2,4-Dinitrophenol
 Concen: 68.279 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: BF104788.D
 Acq: 25 Apr 2018 14:59

Tgt Ion	Ratio	Lower	Upper
184	100		
63	61.5	54.2	81.2
154	68.0	184.0	276.0#

Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E





#54
Dibenzenofuran
Concen: 40.468 ng
RT: 10.06 min Scan# 1355
Delta R.T. 0.01 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

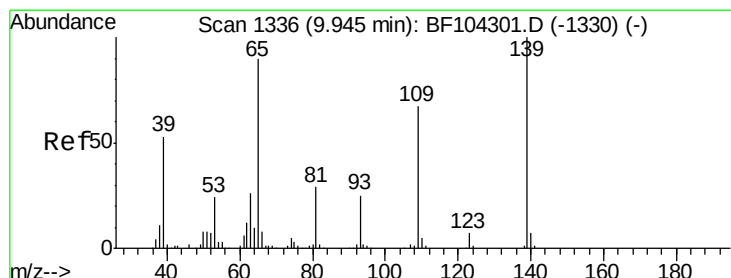
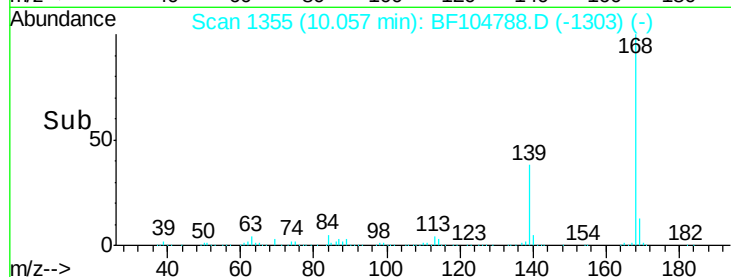
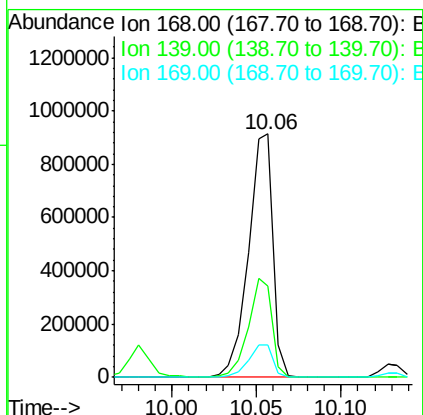
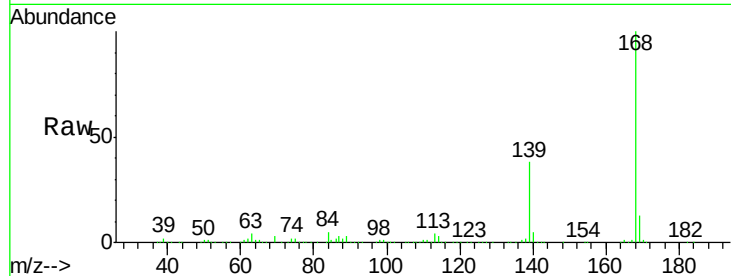
Instrument :
BNA_F
ClientSampleId :
HW-12-4-18-18MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.7	30.1	45.1
169	13.2	10.9	16.3

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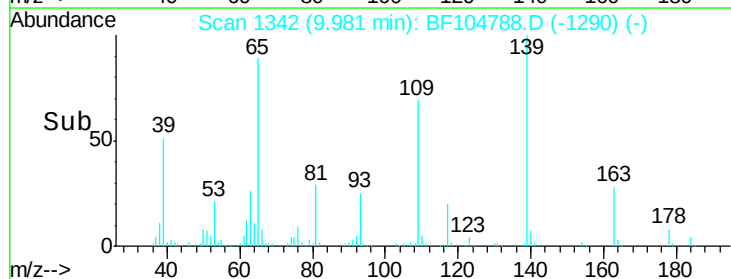
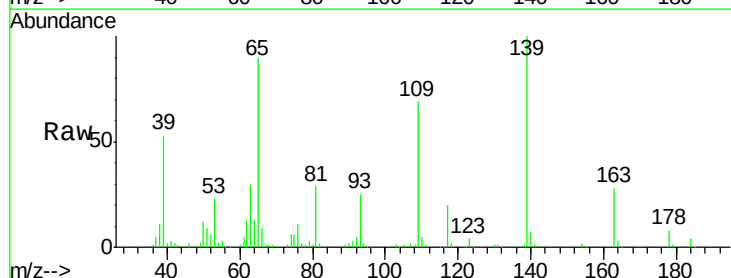
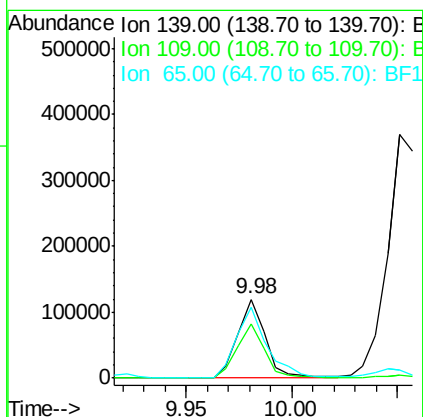
Sohil

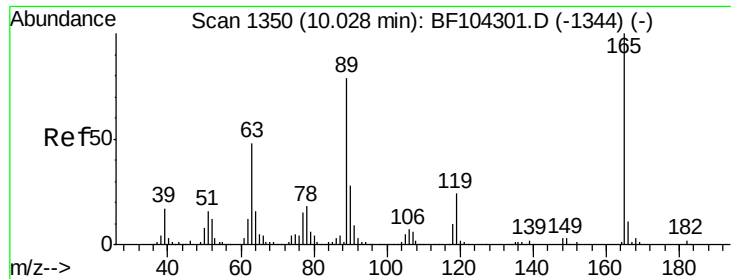
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#55
4-Nitrophenol
Concen: 31.839 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.01 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

Tgt Ion	Ratio	Lower	Upper
139	100		
109	69.3	48.4	88.4
65	89.6	72.6	112.6





#56
 2,4-Dinitrotoluene
 Concen: 49.594 ng
 RT: 10.05 min Scan# 1353
 Delta R.T. 0.01 min
 Lab File: BF104788.D
 Acq: 25 Apr 2018 14:59

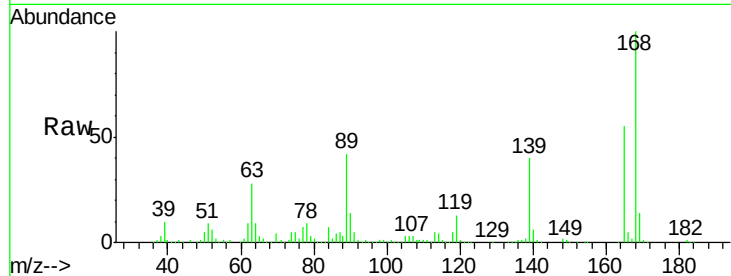
Instrument :
 BNA_F
 ClientSampleId :
 HW-12-4-18-18MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	245145		
63	50.8	36.4	54.6	
89	77.2	57.8	86.6	
182	2.2	1.6	2.4	

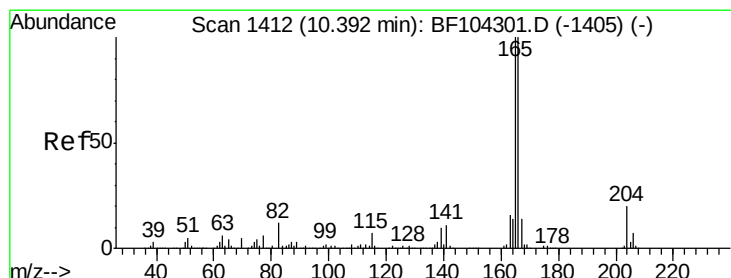
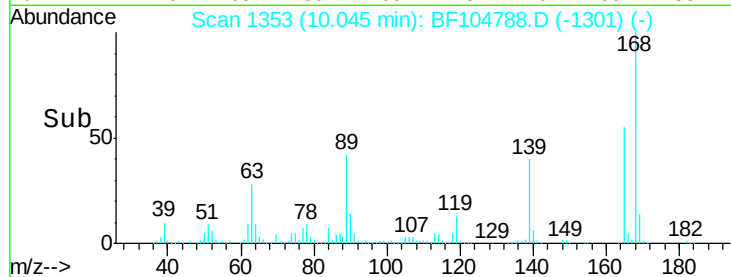
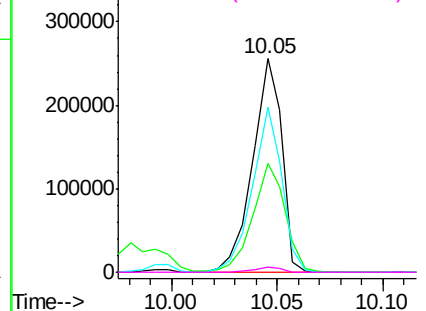
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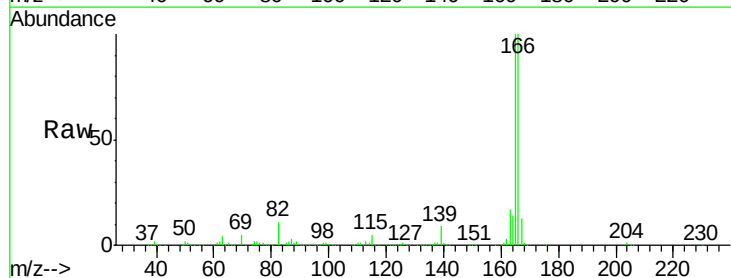


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

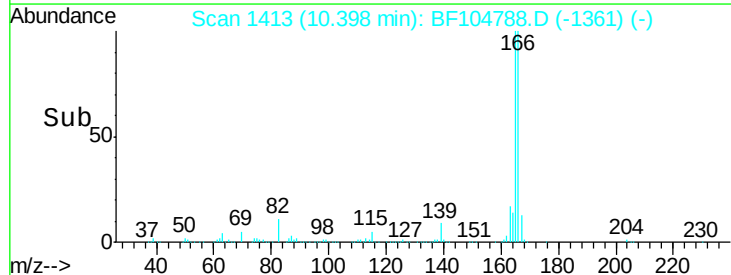
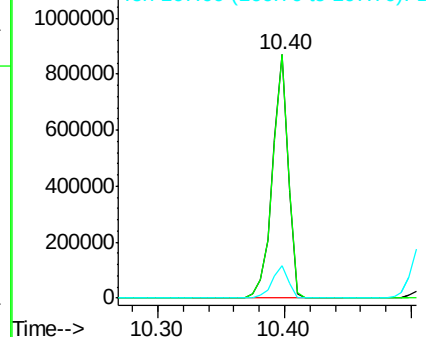


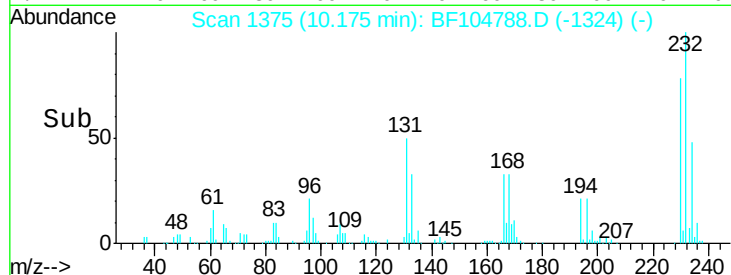
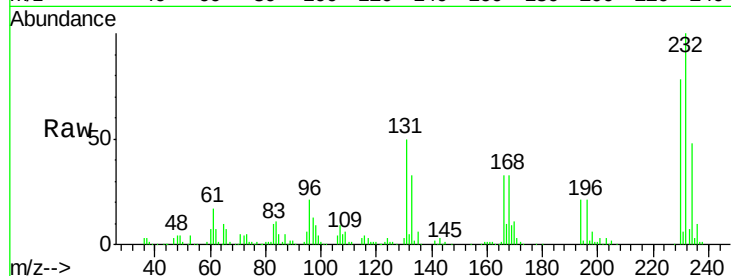
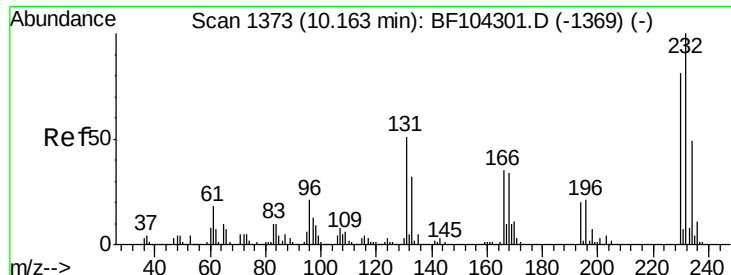
#57
 Fluorene
 Concen: 45.258 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. 0.01 min
 Lab File: BF104788.D
 Acq: 25 Apr 2018 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	753103		
165	100.1	79.8	119.8	
167	13.3	10.6	16.0	



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E





#58
 2,3,4,6-Tetrachlorophenol
 Concen: 44.073 ng
 RT: 10.17 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: BF104788.D
 Acq: 25 Apr 2018 14:59

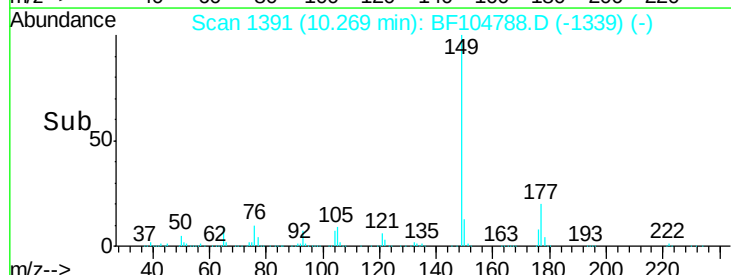
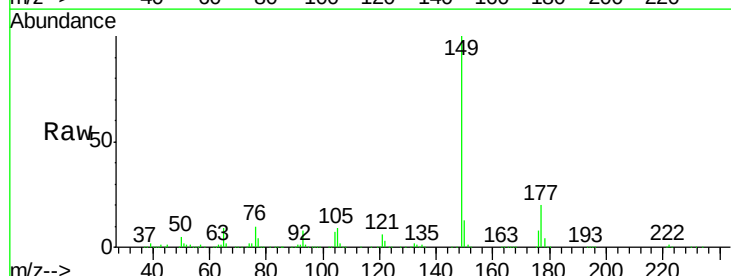
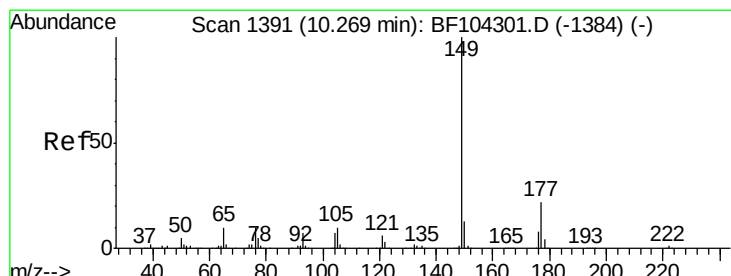
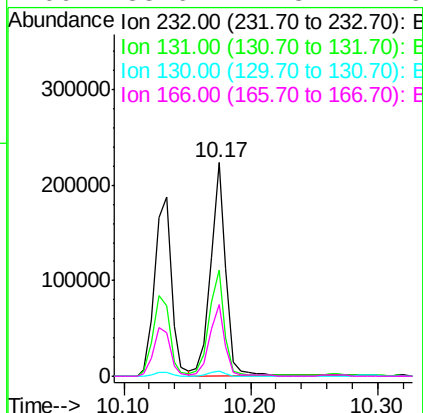
Instrument :
 BNA_F
 ClientSampleId :
 HW-12-4-18-18MSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	188824		
131	49.3		43.8	65.8
130	2.5		2.1	3.1
166	33.6		27.8	41.6

Manual Integrations
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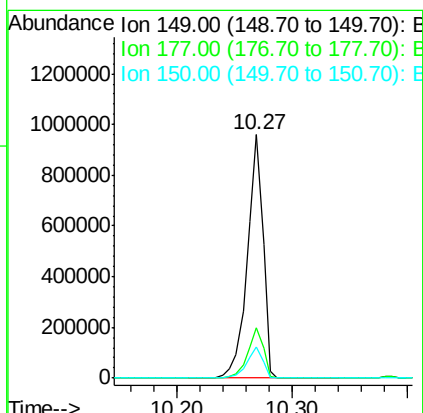
Sohil

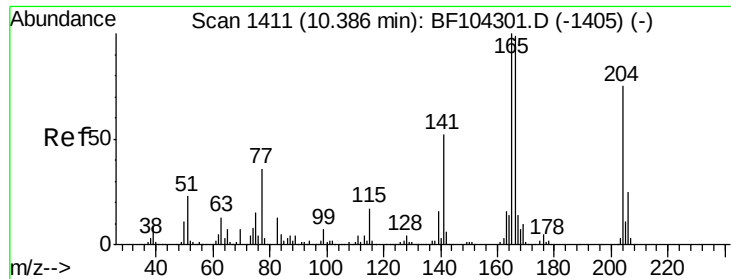
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#59
 Diethylphthalate
 Concen: 44.324 ng
 RT: 10.27 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: BF104788.D
 Acq: 25 Apr 2018 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	898996		
177	20.5		16.1	24.1
150	12.7		10.1	15.1





#60
 4-Chlorophenyl-phenylether
 Concen: 48.034 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: BF104788.D
 Acq: 25 Apr 2018 14:59

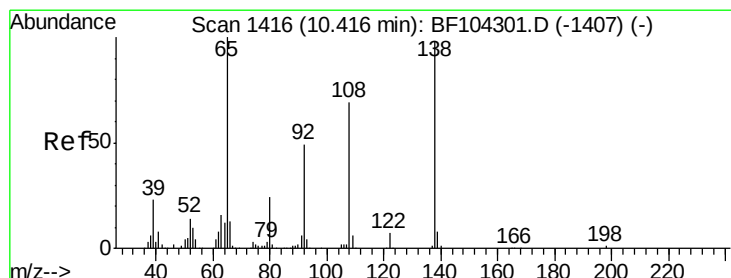
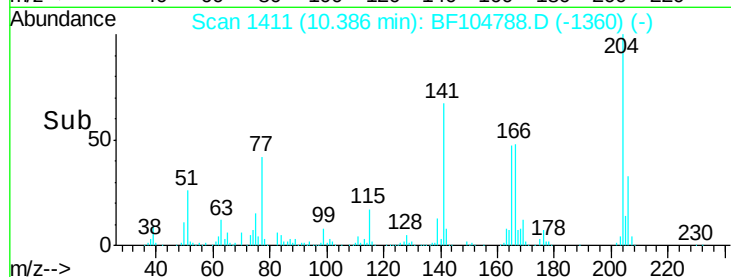
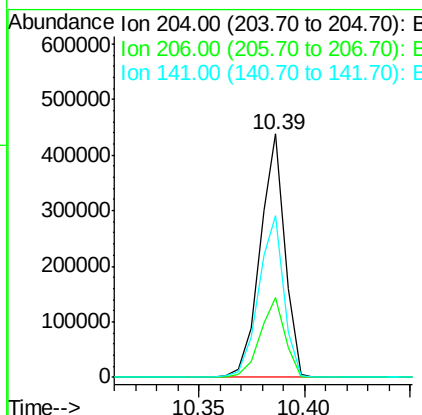
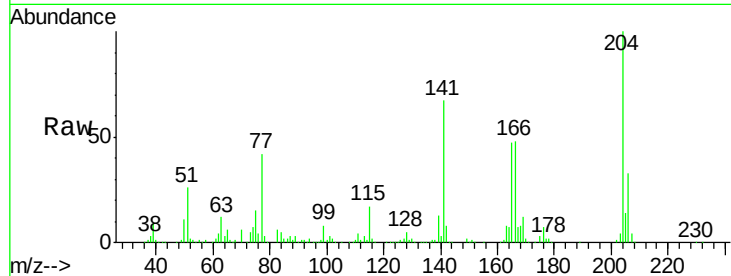
Instrument :
 BNA_F
 ClientSampleId :
 HW-12-4-18-18MSD

Tot Ion:	204	Resp:	355960
Ion Ratio	Lower	Upper	
204	100		
206	33.0	26.5	39.7
141	66.6	54.6	81.8

Manual Integrations
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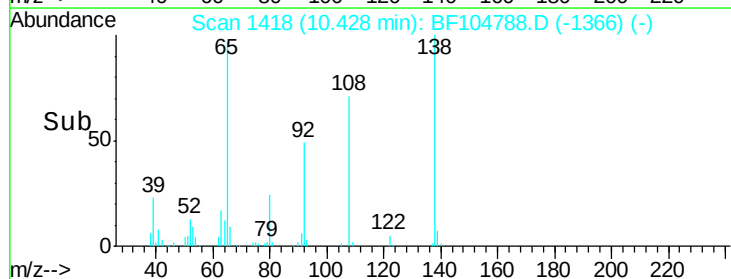
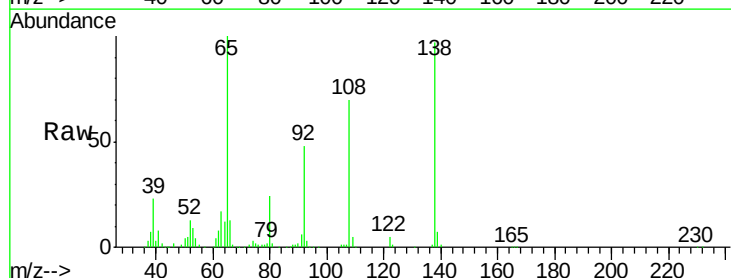
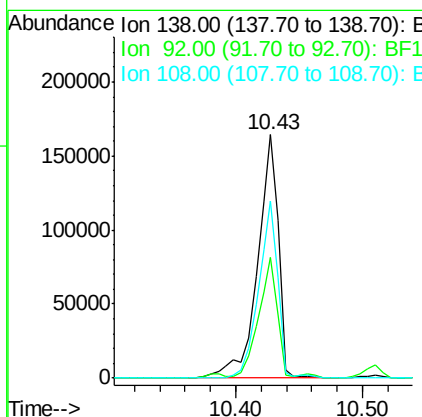
Sohil

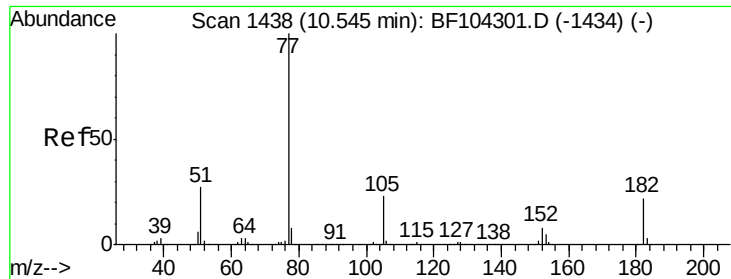
4/26/2018 6:09:34 PM



#61
 4-Nitroaniline
 Concen: 44.001 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: BF104788.D
 Acq: 25 Apr 2018 14:59

Tgt Ion:	138	Resp:	189803
Ion Ratio	Lower	Upper	
138	100		
92	49.5	30.2	70.2
108	72.7	52.5	92.5





#62

Azobenzene

Concen: 40.615 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BF104788.D

Acq: 25 Apr 2018 14:59

Instrument :

BNA_F

ClientSampleId :

HW-12-4-18-18MSD

Tot Ion: 77 Resp: 787017

Ion Ratio Lower Upper

77 100

182 23.5 1.7 41.7

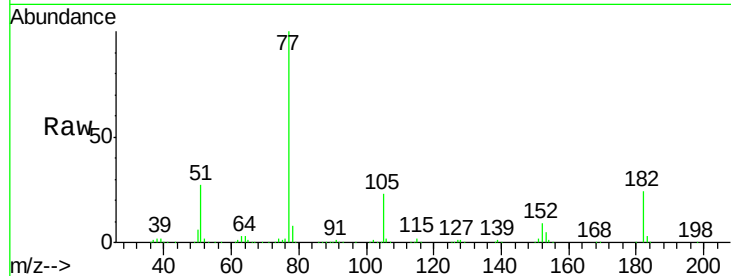
105 22.9 3.0 43.0

51 26.8 9.9 49.9

Manual Integrations
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Sohil

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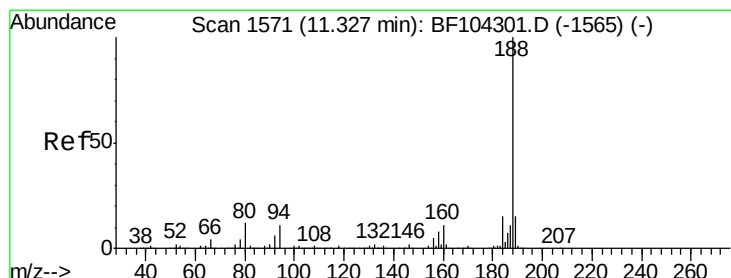
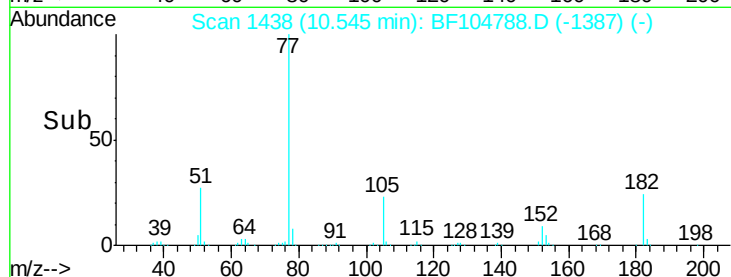
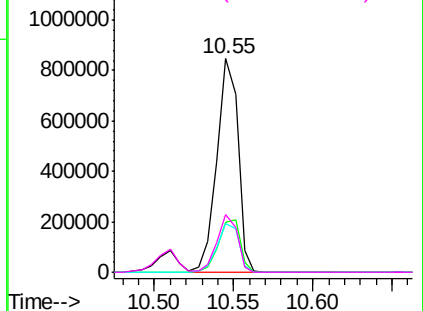


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BF104788.D

Acq: 25 Apr 2018 14:59

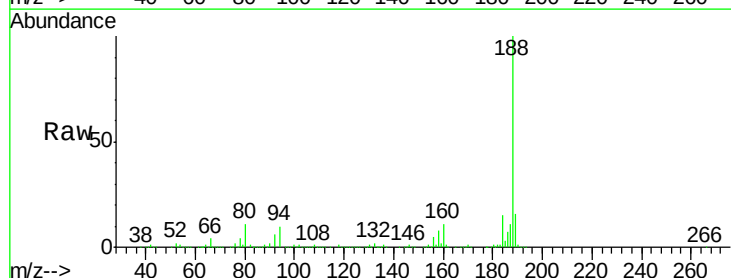
Tgt Ion: 188 Resp: 473203

Ion Ratio Lower Upper

188 100

94 10.5 8.5 12.7

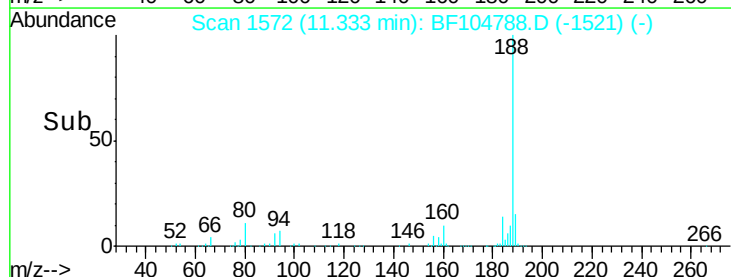
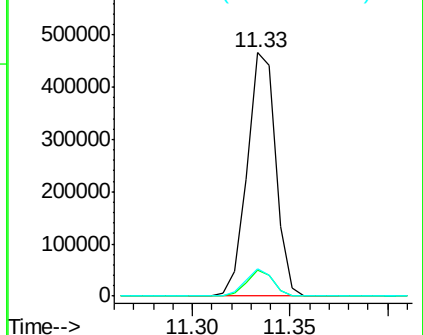
80 11.1 9.2 13.8

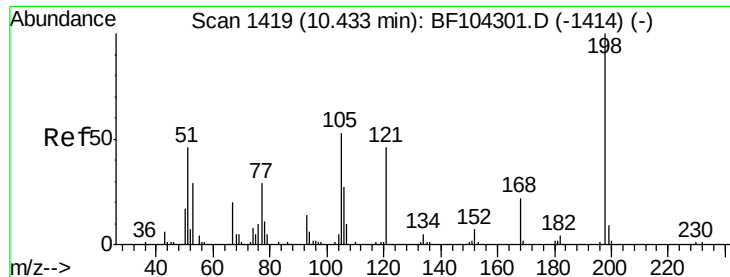


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 40.653 ng

RT: 10.46 min Scan# 1423

Delta R.T. 0.00 min

Lab File: BF104788.D

Acq: 25 Apr 2018 14:59

Instrument :

BNA_F

ClientSampleId :

HW-12-4-18-18MSD

Tot Ion:198 Resp: 90629

Ion Ratio Lower Upper

198 100

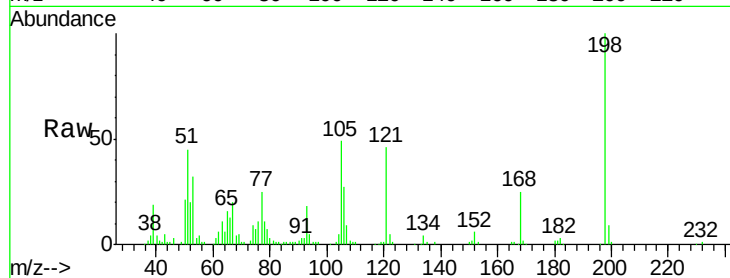
51 44.9 37.7 77.7

105 48.6 36.3 76.3

Manual Integrations
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Sohil

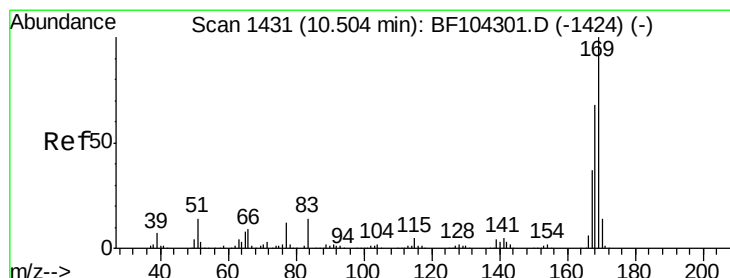
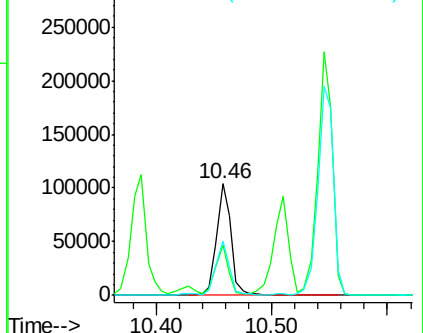
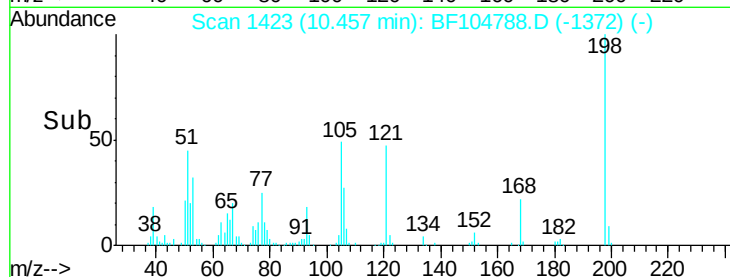
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 42.691 ng

RT: 10.51 min Scan# 1432

Delta R.T. 0.01 min

Lab File: BF104788.D

Acq: 25 Apr 2018 14:59

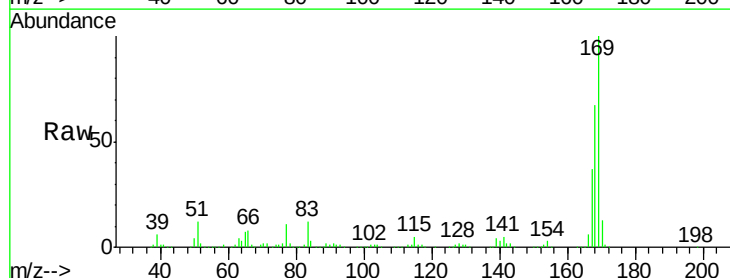
Tgt Ion:169 Resp: 700433

Ion Ratio Lower Upper

169 100

168 67.4 54.4 81.6

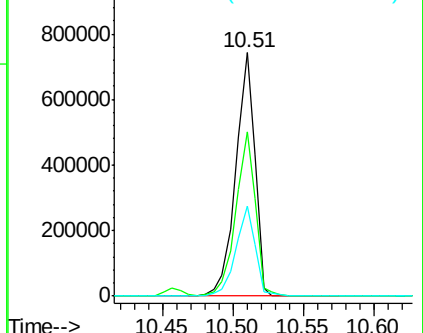
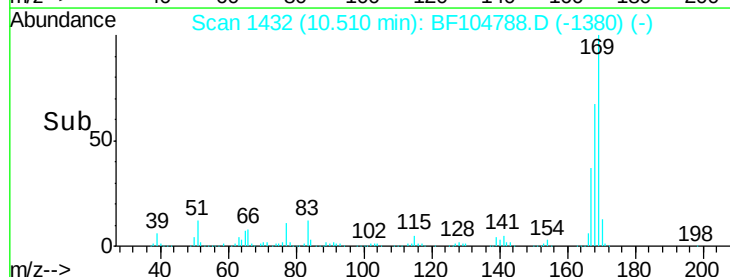
167 36.9 29.8 44.6

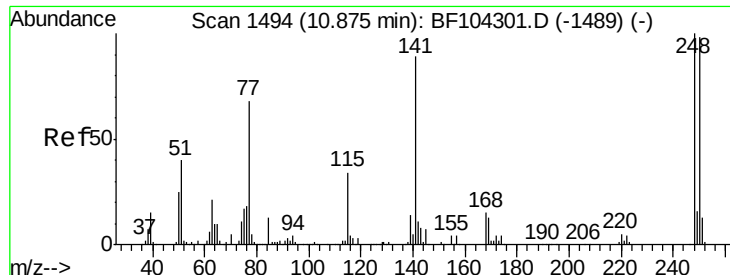


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#66
 4-Bromophenyl-phenylether
 Concen: 45.082 ng
 RT: 10.87 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: BF104788.D
 Acq: 25 Apr 2018 14:59

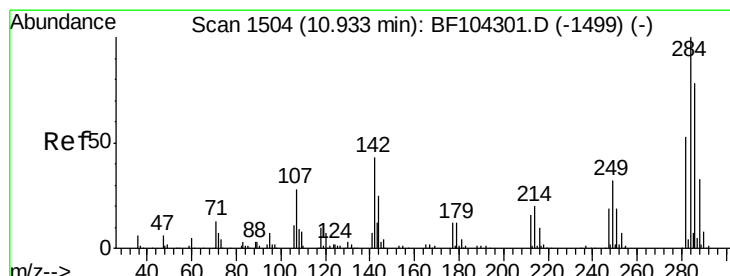
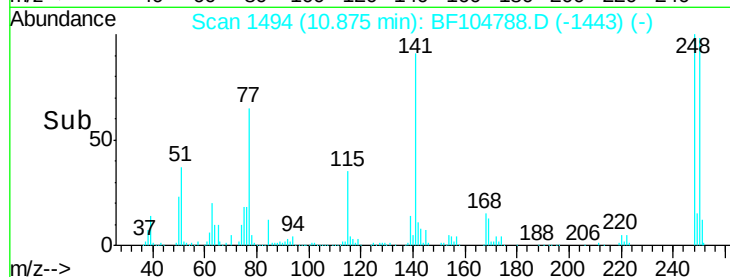
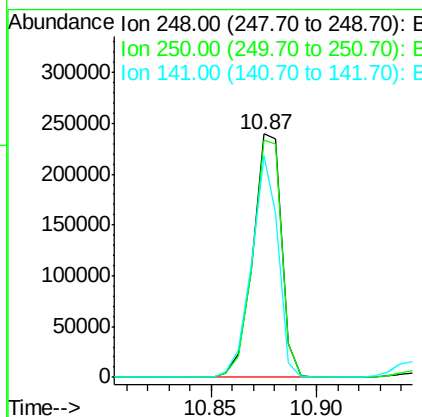
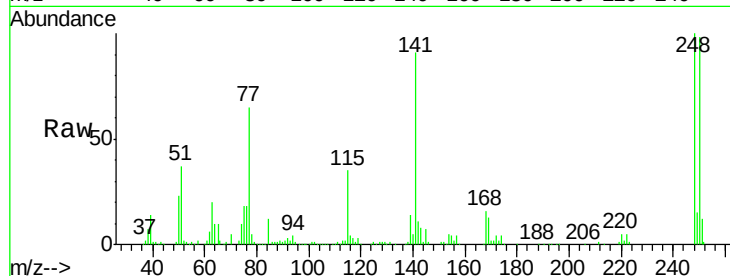
Instrument :
 BNA_F
 ClientSampleId :
 HW-12-4-18-18MSD

Tot Ion:	248	Resp:	226912
Ion Ratio	Lower	Upper	
248	100		
250	97.5	76.9	115.3
141	91.1	74.4	111.6

Manual Integrations
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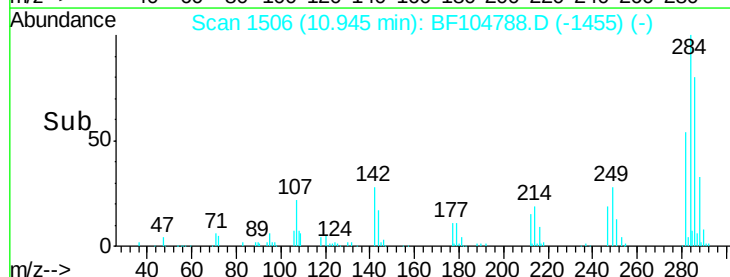
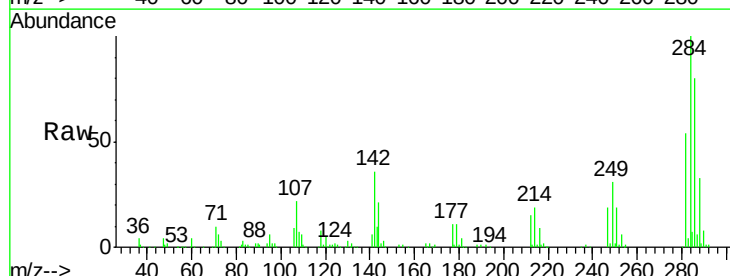
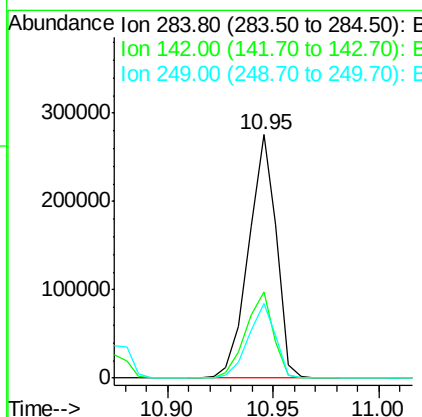
Sohil

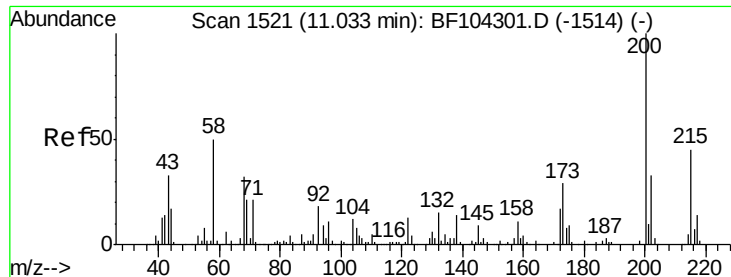
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#67
 Hexachlorobenzene
 Concen: 44.402 ng
 RT: 10.95 min Scan# 1506
 Delta R.T. -0.00 min
 Lab File: BF104788.D
 Acq: 25 Apr 2018 14:59

Tgt Ion:	284	Resp:	251477
Ion Ratio	Lower	Upper	
284	100		
142	35.6	34.6	52.0
249	30.5	24.8	37.2





#68
Atrazine
Concen: 47.145 ng
RT: 11.04 min Scan# 1522
Delta R.T. 0.01 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

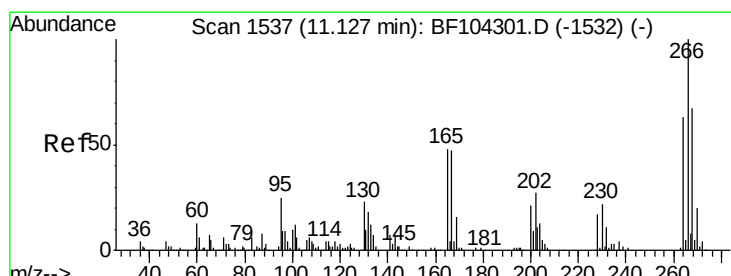
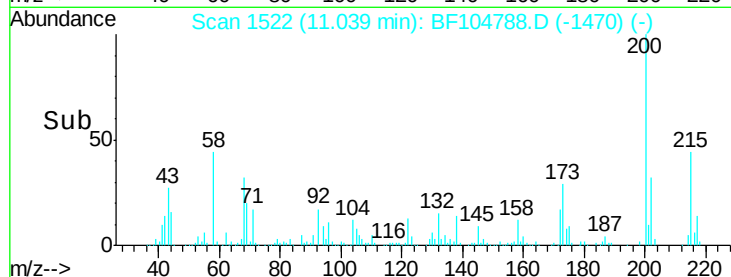
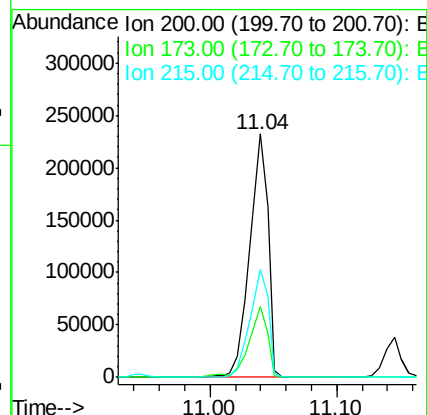
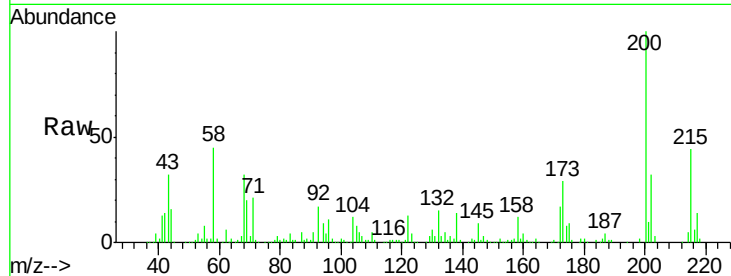
Instrument :
BNA_F
ClientSampleId :
HW-12-4-18-18MSD

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	28.8	8.6	48.6
215	44.3	25.1	65.1

Manual Integrations
APPROVED

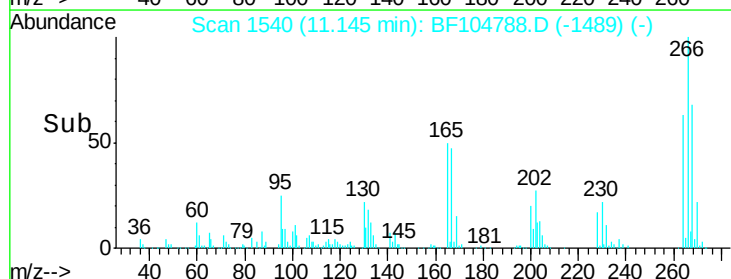
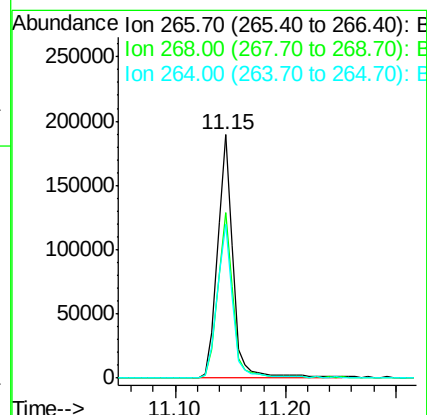
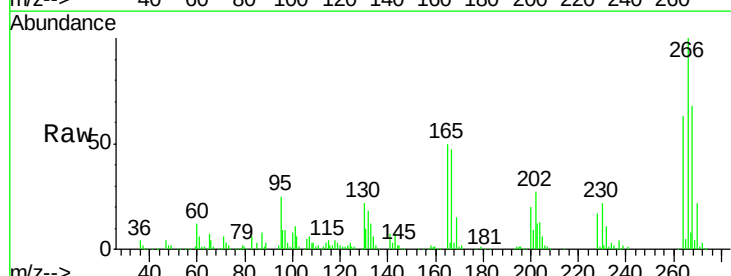
Sohil

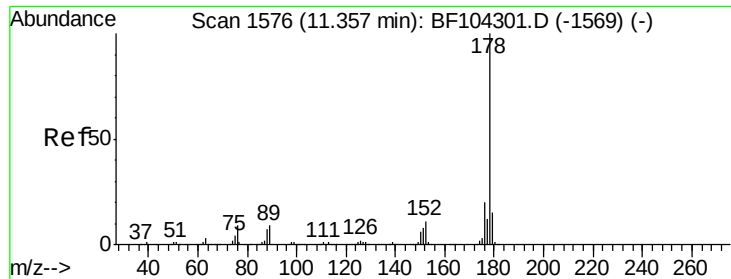
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#69
Pentachlorophenol
Concen: 52.083 ng
RT: 11.15 min Scan# 1540
Delta R.T. -0.00 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	68.1	51.1	76.7
264	63.3	49.5	74.3





#70

Phenanthrene

Concen: 40.694 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.00 min

Lab File: BF104788.D

Acq: 25 Apr 2018 14:59

Instrument :

BNA_F

ClientSampleId :

HW-12-4-18-18MSD

Tot Ion:178 Resp: 1072375

Ion Ratio Lower Upper

178 100

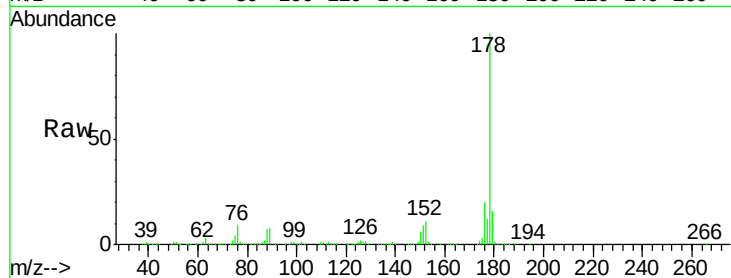
176 20.2 15.8 23.8

179 15.6 13.0 19.6

Manual Integrations
APPROVED

Sohil

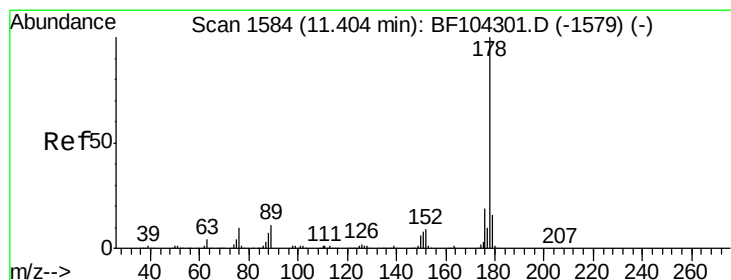
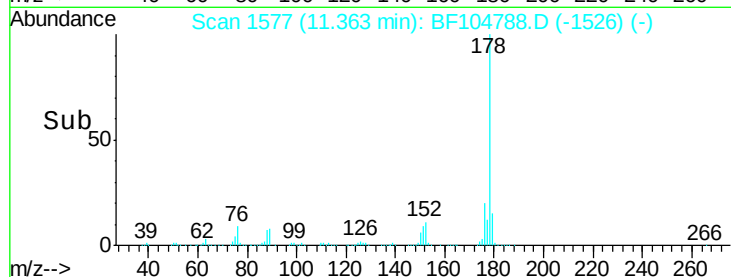
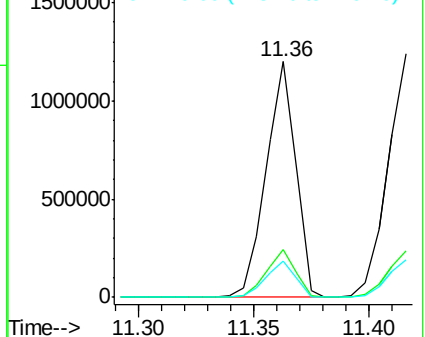
4/26/2018 6:09:34 PM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 41.389 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BF104788.D

Acq: 25 Apr 2018 14:59

Tgt Ion:178 Resp: 1108719

Ion Ratio Lower Upper

178 100

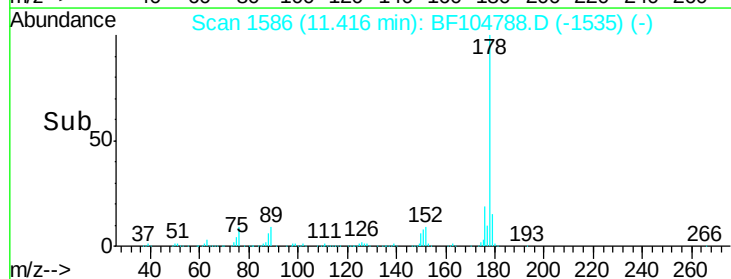
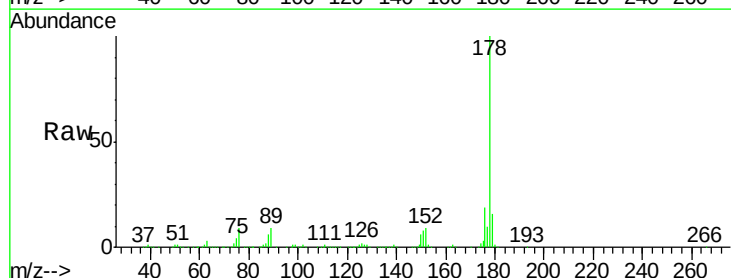
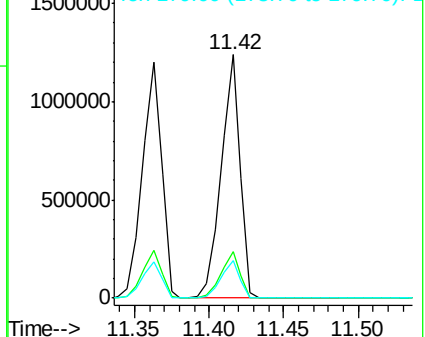
176 19.0 15.4 23.2

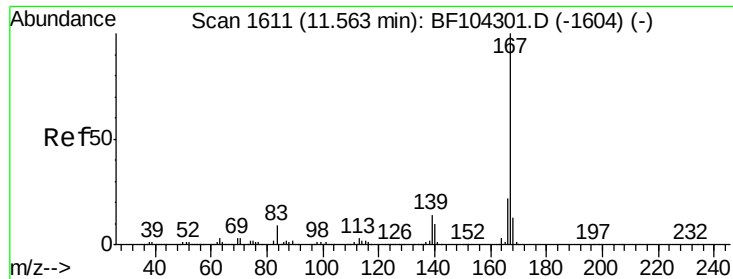
179 15.6 12.6 19.0

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 38.290 ng

RT: 11.57 min Scan# 1613

Delta R.T. 0.01 min

Lab File: BF104788.D

Acq: 25 Apr 2018 14:59

Instrument :

BNA_F

ClientSampleId :

HW-12-4-18-18MSD

Tot Ion:167 Resp: 1002287

Ion Ratio Lower Upper

167 100

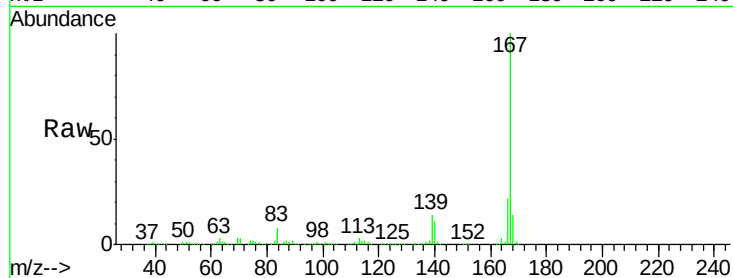
166 22.2 17.6 26.4

139 13.9 10.9 16.3

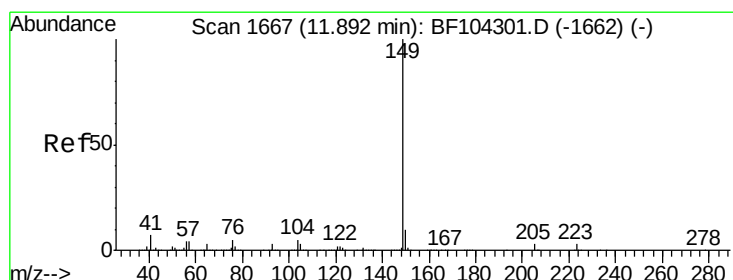
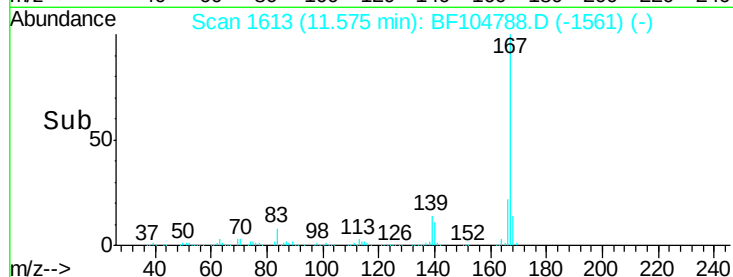
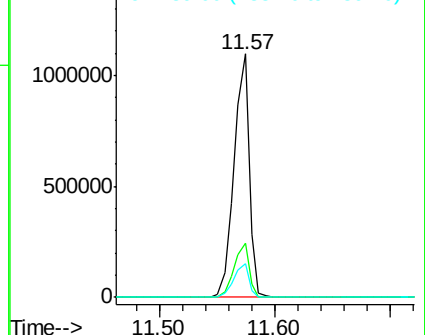
Manual Integrations
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Abundance Ion 167.00 (166.70 to 167.70): E
1500000
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 42.720 ng

RT: 11.89 min Scan# 1667

Delta R.T. 0.00 min

Lab File: BF104788.D

Acq: 25 Apr 2018 14:59

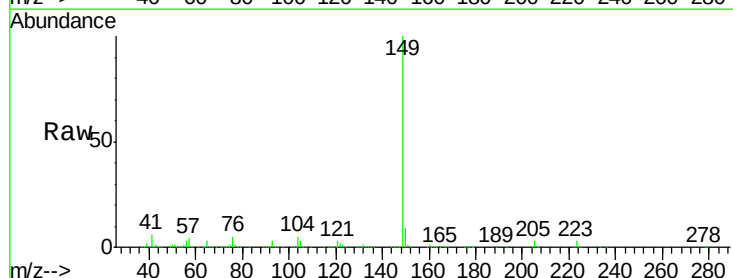
Tgt Ion:149 Resp: 1365992

Ion Ratio Lower Upper

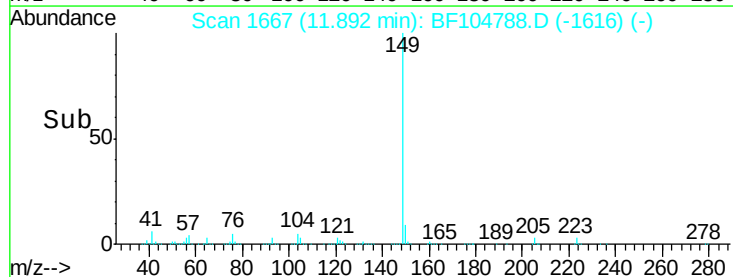
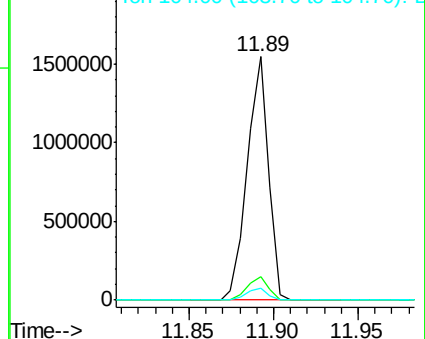
149 100

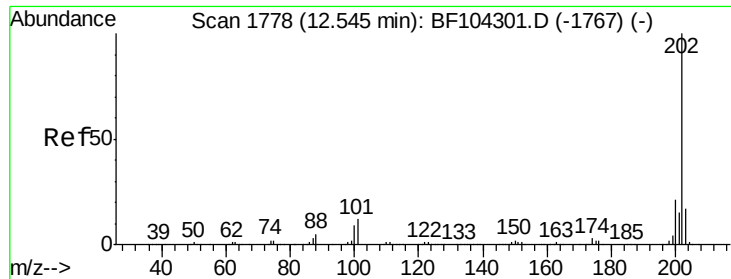
150 9.5 7.8 11.6

104 5.0 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E
2000000
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#74
 Fluoranthene
 Concen: 38.234 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: BF104788.D
 Acq: 25 Apr 2018 14:59

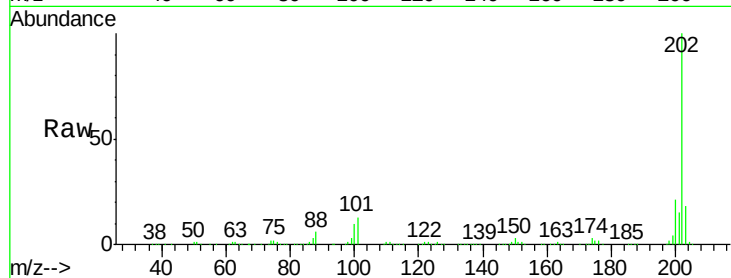
Instrument :
 BNA_F
 ClientSampleId :
 HW-12-4-18-18MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	34.1
203	17.9	0.0	38.1

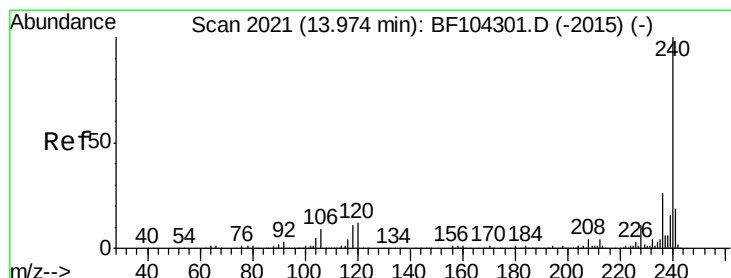
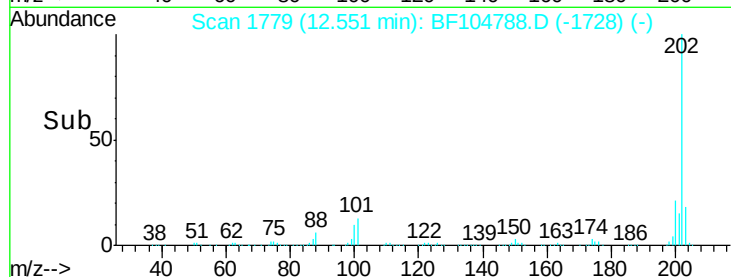
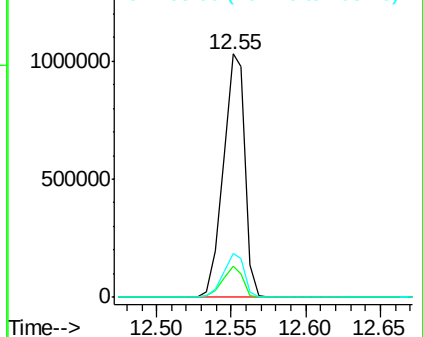
Manual Integrations
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Sohil

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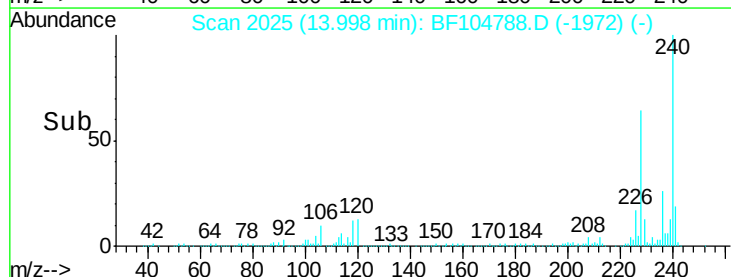
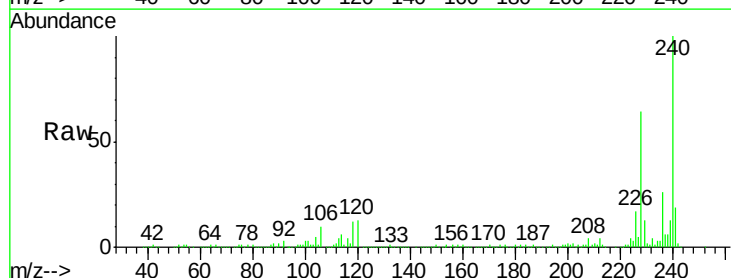
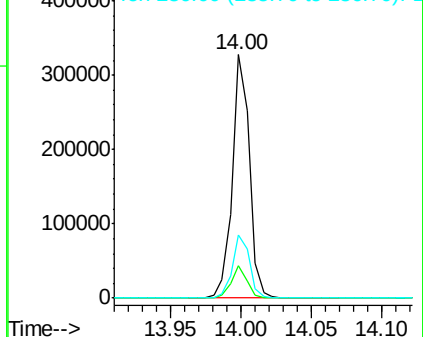
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

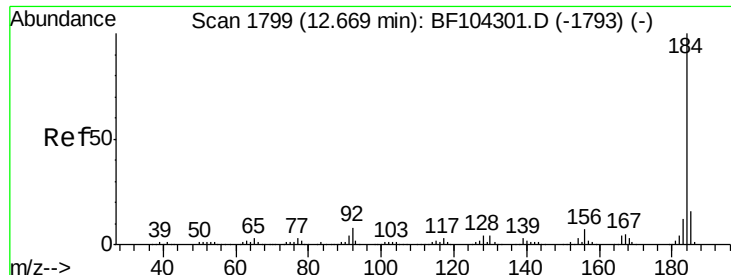


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.01 min
 Lab File: BF104788.D
 Acq: 25 Apr 2018 14:59

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.4	9.5	14.3
236	25.9	20.7	31.1

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: 24.076 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.00 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

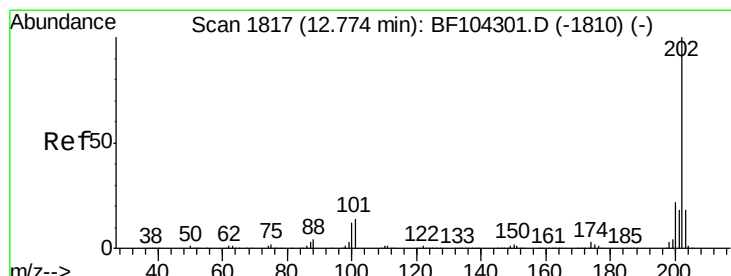
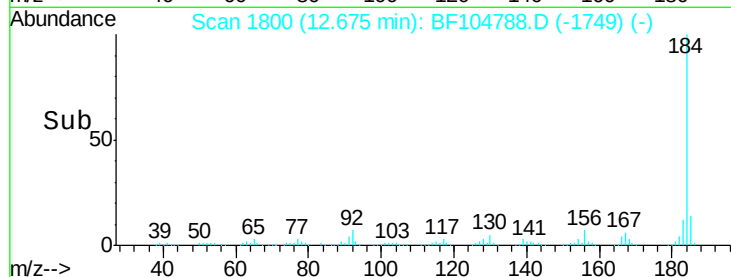
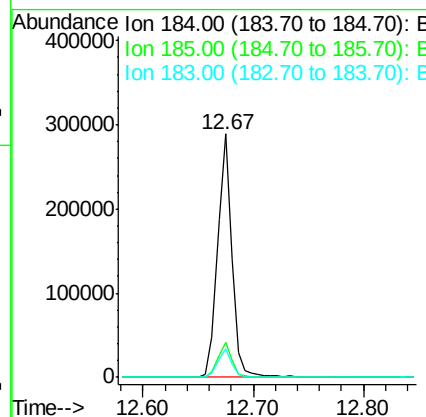
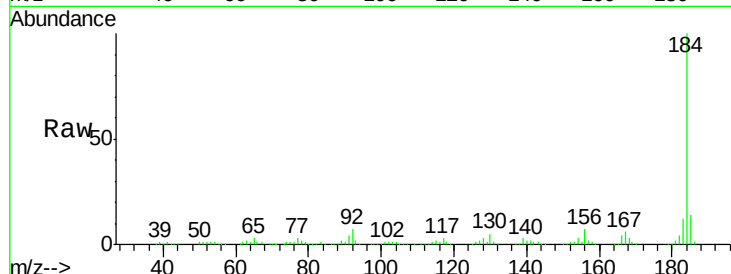
Instrument :
BNA_F
ClientSampleId :
HW-12-4-18-18MSD

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

Manual Integrations
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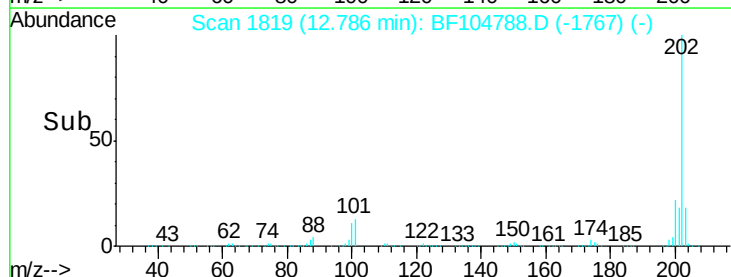
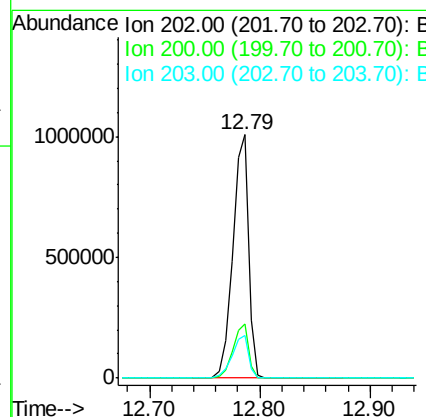
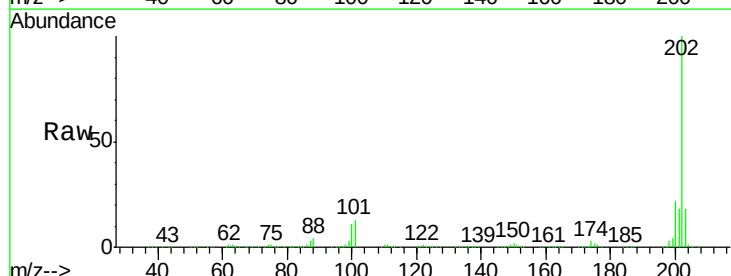
Sohil

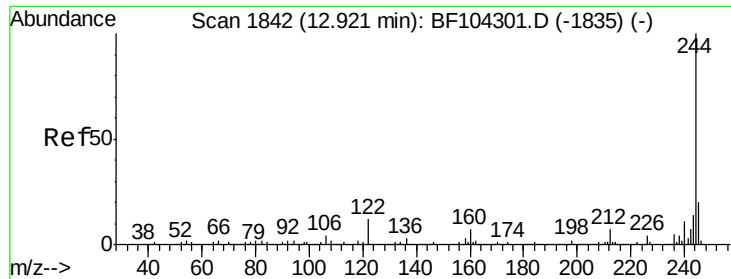
4/26/2018 6:09:34 PM



#77
Pyrene
Concen: 49.363 ng
RT: 12.79 min Scan# 1819
Delta R.T. 0.01 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	22.1	17.4	26.2	
203	17.7	14.3	21.5	





#78
 Terphenyl-d14
 Concen: 110.248 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. 0.01 min
 Lab File: BF104788.D
 Acq: 25 Apr 2018 14:59

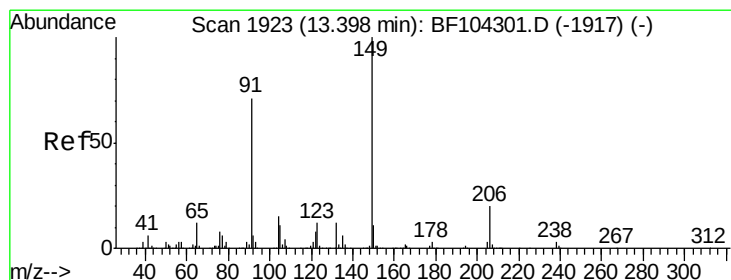
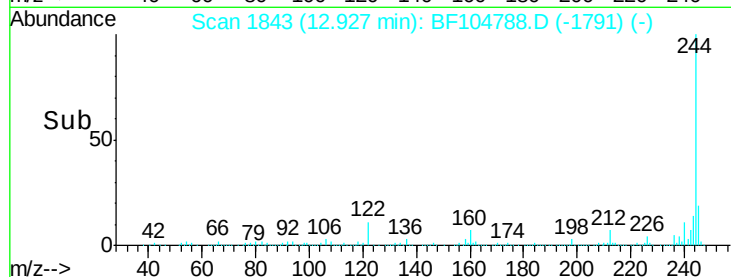
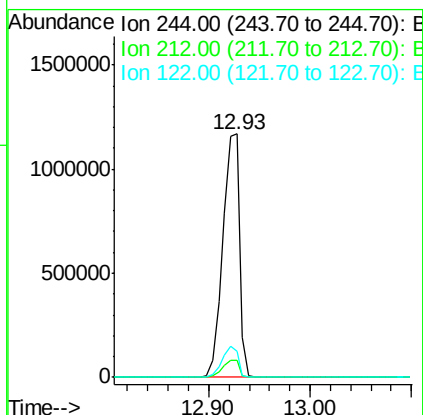
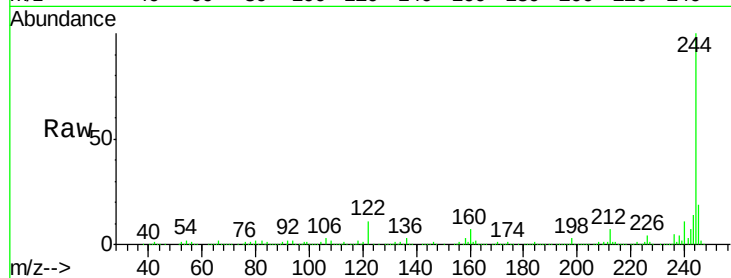
Instrument :
 BNA_F
 ClientSampleId :
 HW-12-4-18-18MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	10.8	11.0	16.4

Manual Integrations
 APPROVED

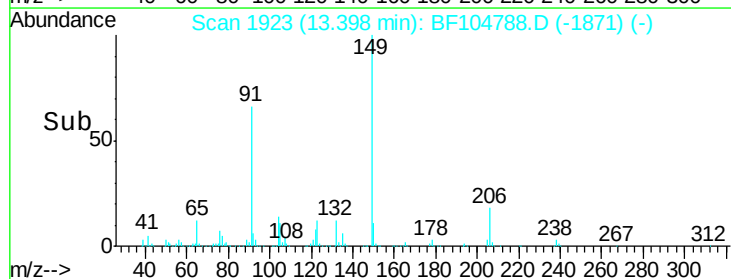
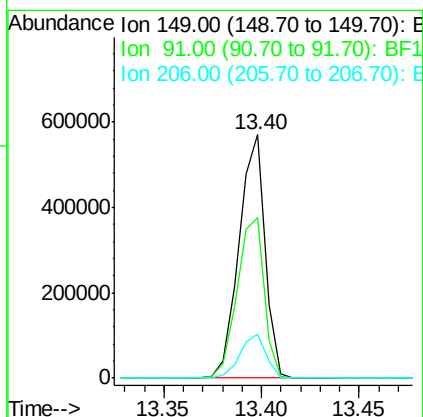
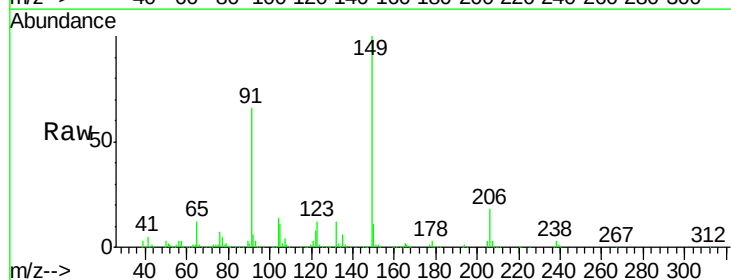
Sohil

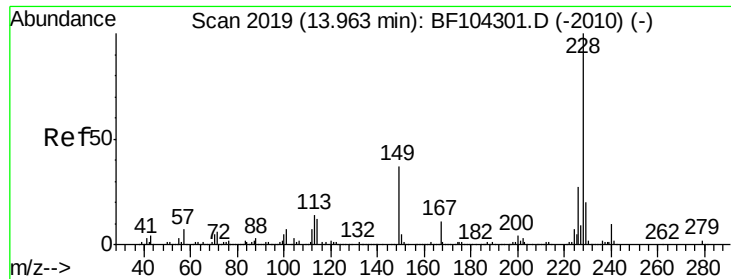
4/26/2018 6:09:34 PM



#79
 Butylbenzylphthalate
 Concen: 54.498 ng
 RT: 13.40 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: BF104788.D
 Acq: 25 Apr 2018 14:59

Tgt Ion	Ratio	Lower	Upper
149	100		
91	65.6	56.8	85.2
206	18.1	14.1	21.1





#80
Benzo(a)anthracene
Concen: 46.688 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

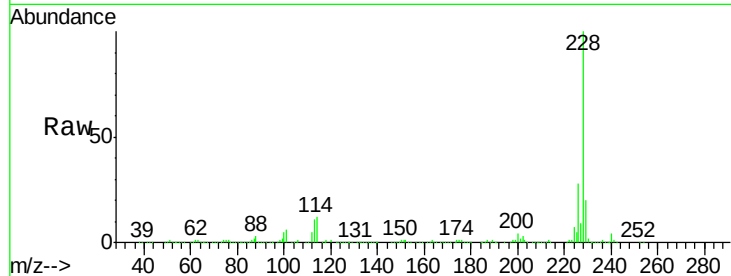
Instrument :
BNA_F
ClientSampleId :
HW-12-4-18-18MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	19.9	15.8	23.6

Manual Integrations
APPROVED

Sohil

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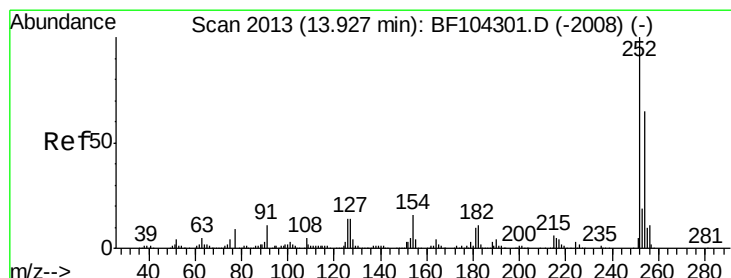
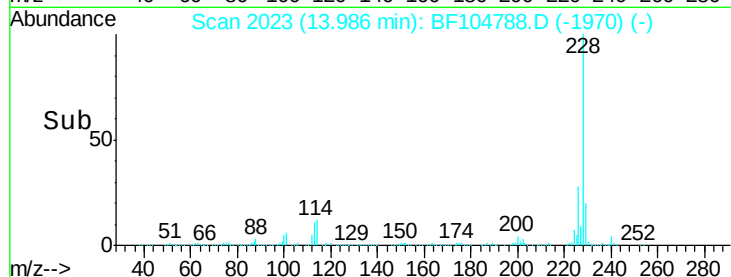
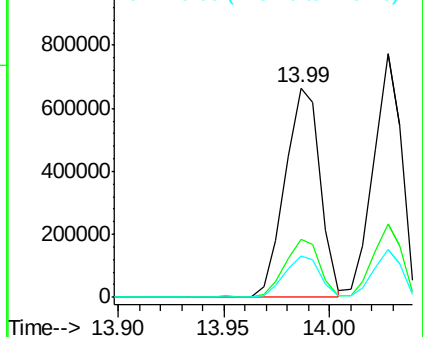


Abundance

Ion 228.00 (227.70 to 228.70): E

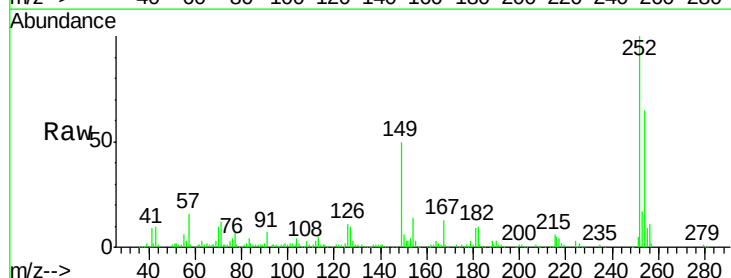
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81
3,3'-Dichlorobenzidine
Concen: 29.796 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.02 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.6	50.4	75.6
126	10.6	11.3	16.9#

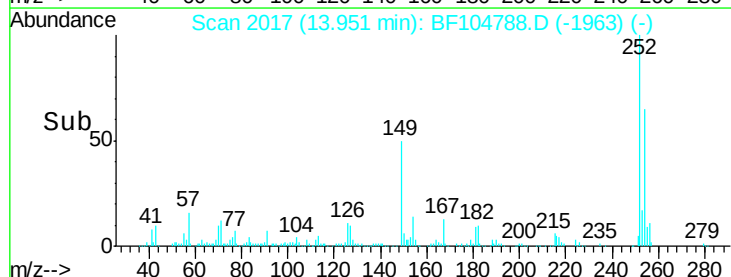
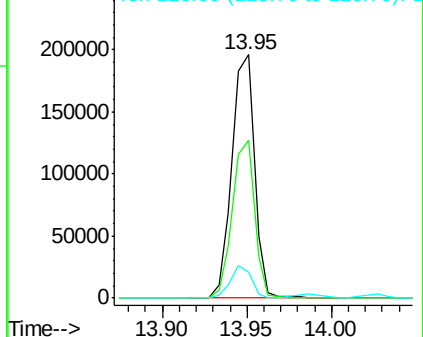


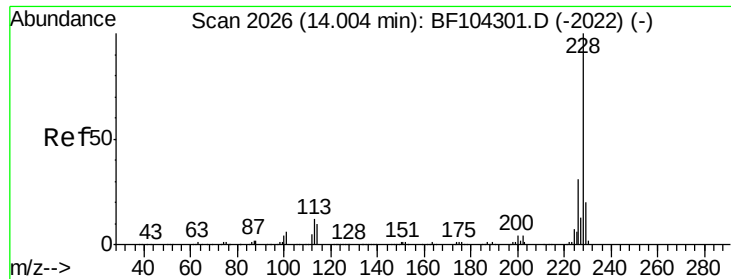
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82
Chrysene
Concen: 42.795 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.01 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

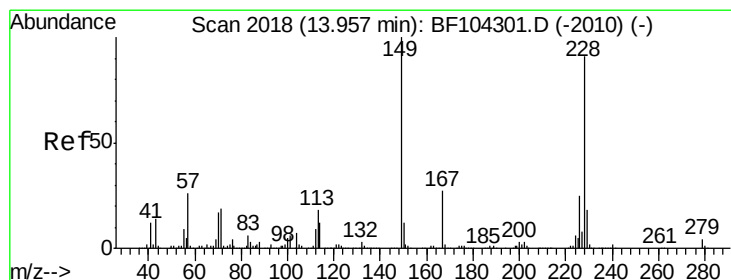
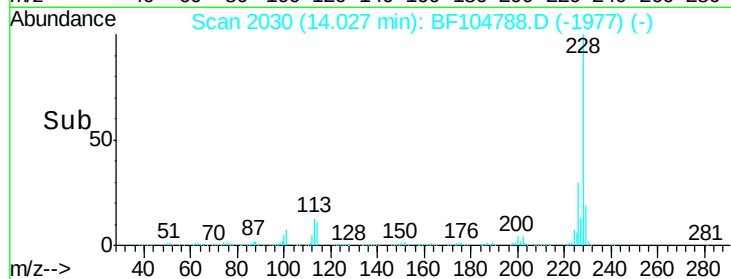
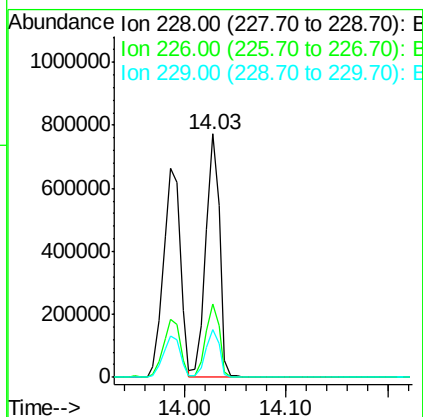
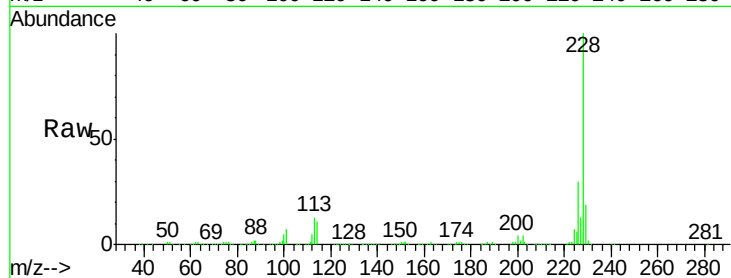
Instrument :
BNA_F
ClientSampleId :
HW-12-4-18-18MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	19.5	16.2	24.4

Manual Integrations
APPROVED

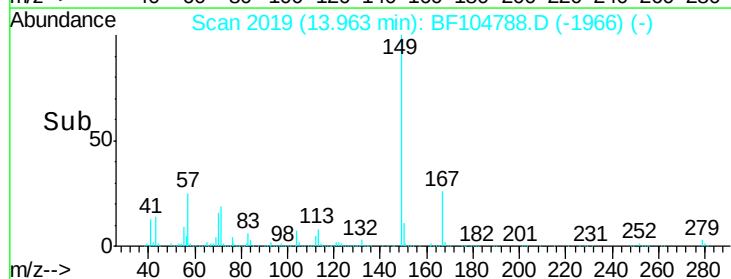
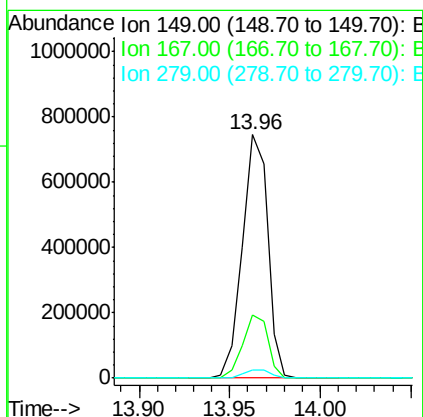
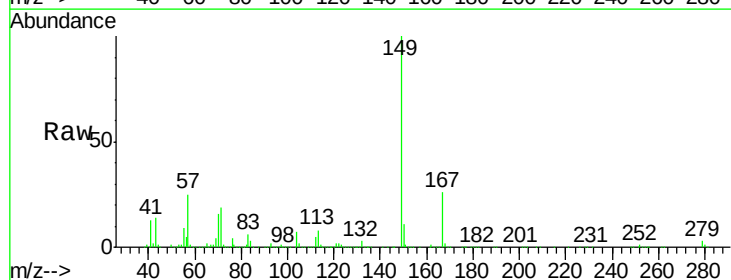
Sohil

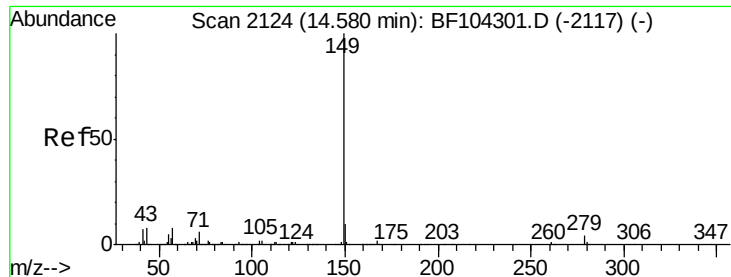
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#83
Bis(2-ethylhexyl)phthalate
Concen: 58.734 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.8	21.3	31.9
279	3.2	3.0	4.4





#84

Di-n-octyl phthalate

Concen: 51.380 ng

RT: 14.62 min Scan# 2130

Delta R.T. 0.04 min

Lab File: BF104788.D

Acq: 25 Apr 2018 14:59

Instrument :

BNA_F

ClientSampleId :

HW-12-4-18-18MSD

Tot Ion:149 Resp: 1065099

Ion Ratio Lower Upper

149 100

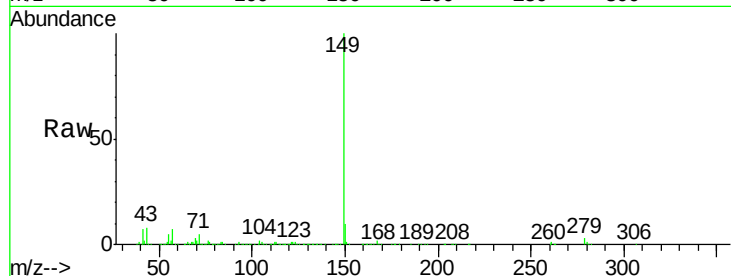
167 1.6 1.2 1.8

43 8.1 8.4 12.6#

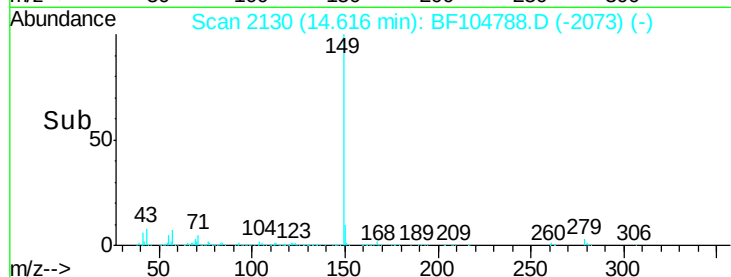
Manual Integrations
APPROVED

Sohil

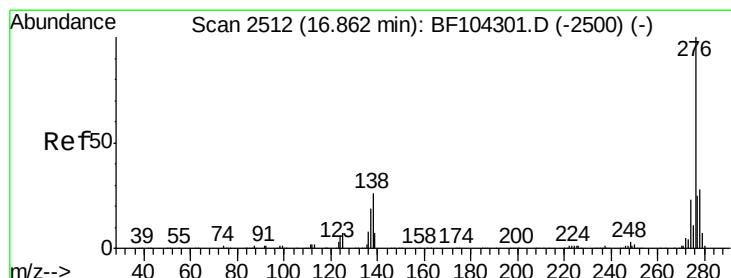
4/26/2018 6:09:34 PM



Abundance Ion 149.00 (148.70 to 149.70): E
1500000
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1



Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 43.743 ng

RT: 16.98 min Scan# 2532

Delta R.T. 0.05 min

Lab File: BF104788.D

Acq: 25 Apr 2018 14:59

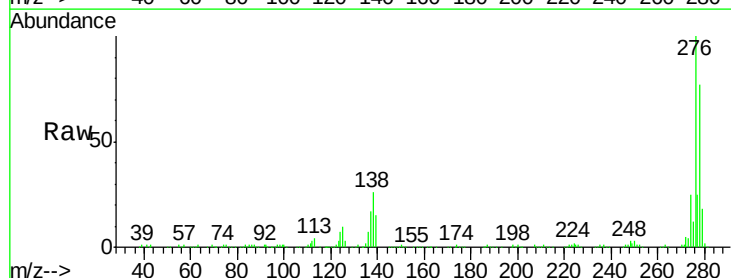
Tgt Ion:276 Resp: 629802

Ion Ratio Lower Upper

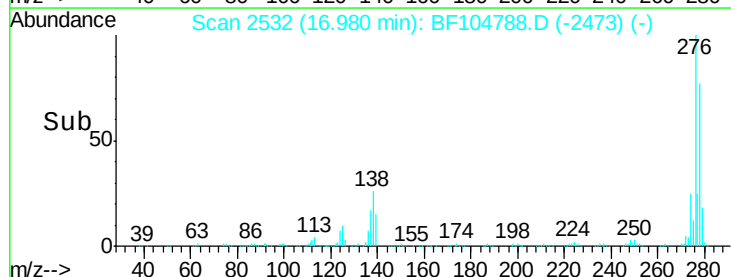
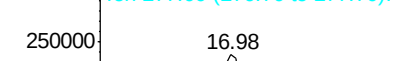
276 100

138 26.9 25.0 37.6

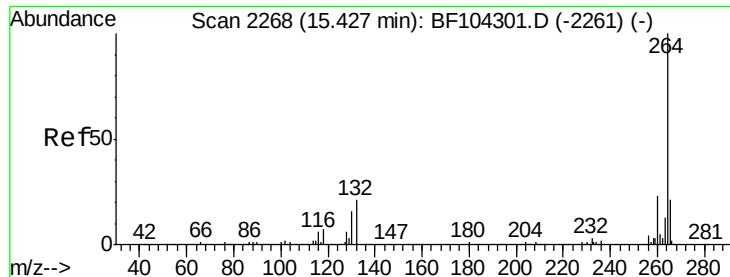
277 25.8 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E
300000
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time-->



#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.04 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

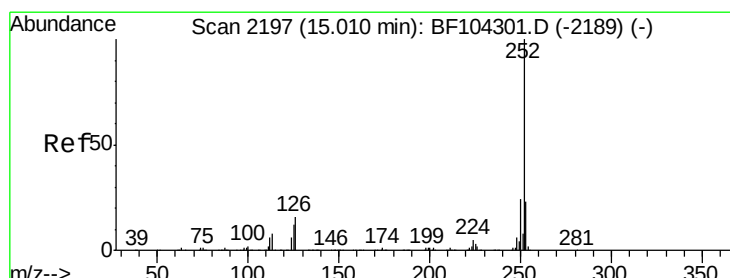
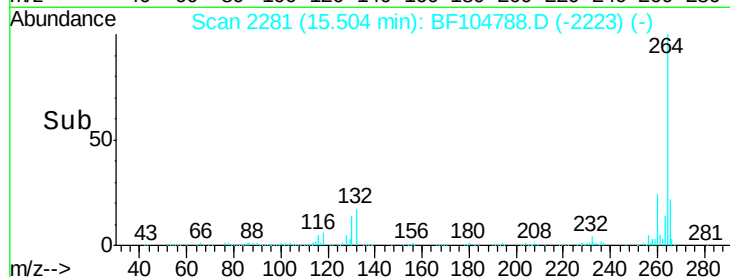
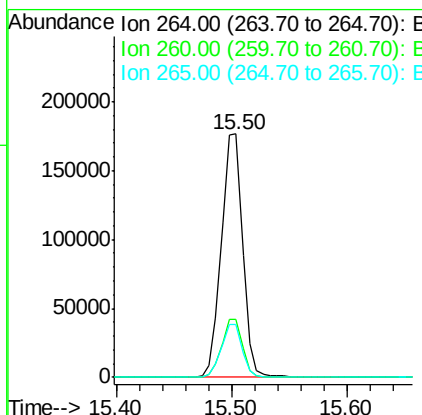
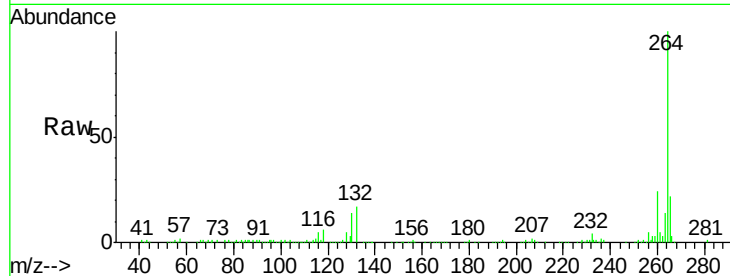
Instrument :
BNA_F
ClientSampleId :
HW-12-4-18-18MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.6	17.5	26.3

Manual Integrations
APPROVED

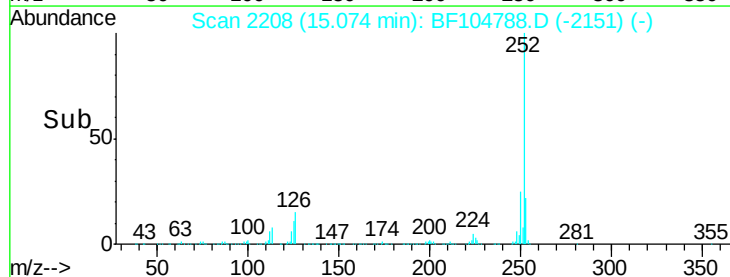
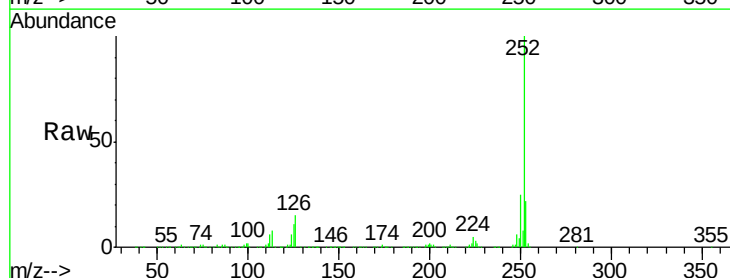
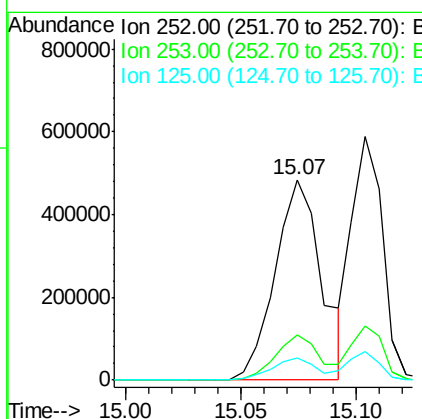
Sohil

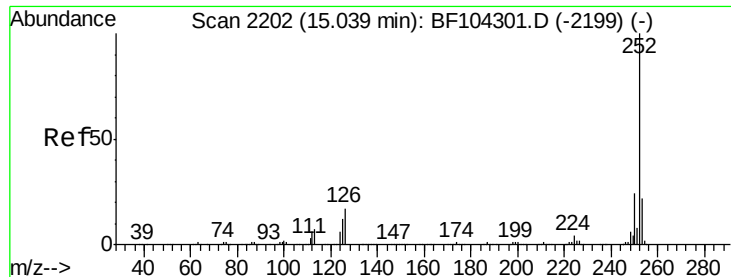
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#87
Benzo(b)fluoranthene
Concen: 46.794 ng
RT: 15.07 min Scan# 2208
Delta R.T. 0.04 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	11.3	9.0	13.6





#88
Benzo(k)fluoranthene
Concen: 40.448 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.04 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

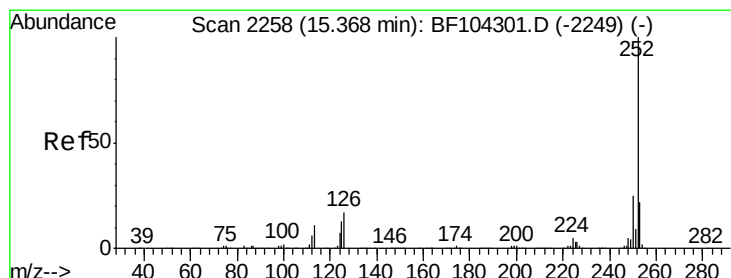
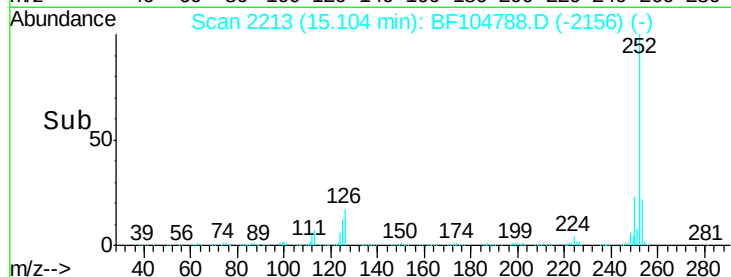
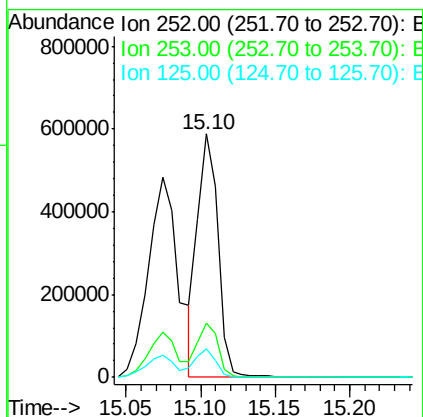
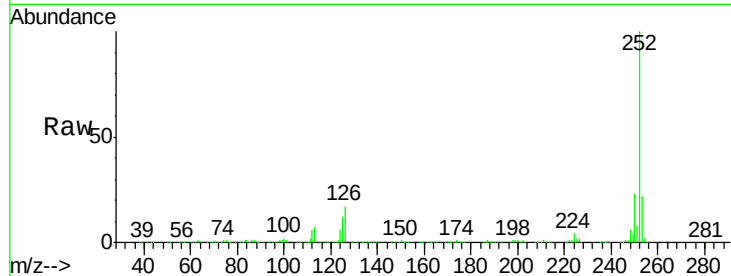
Instrument :
BNA_F
ClientSampleId :
HW-12-4-18-18MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	11.9	10.2	15.2

Manual Integrations
APPROVED

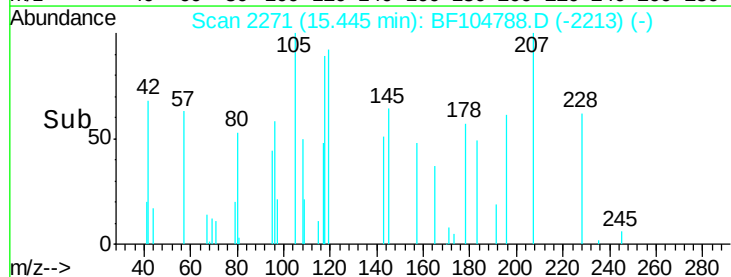
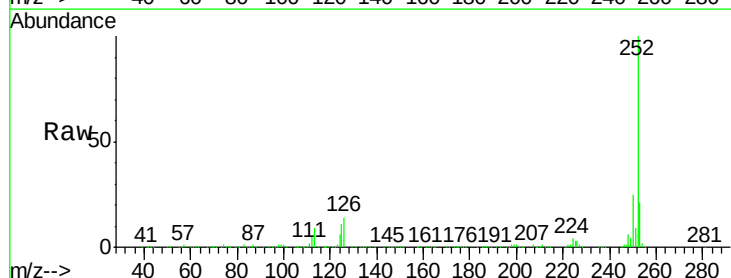
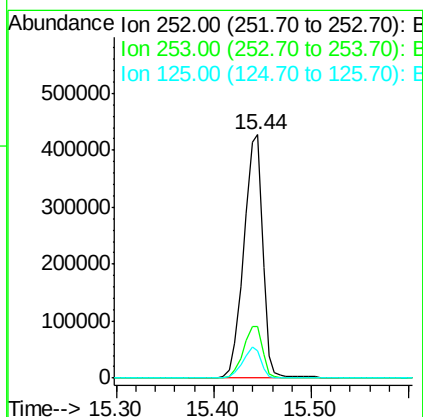
Sohil

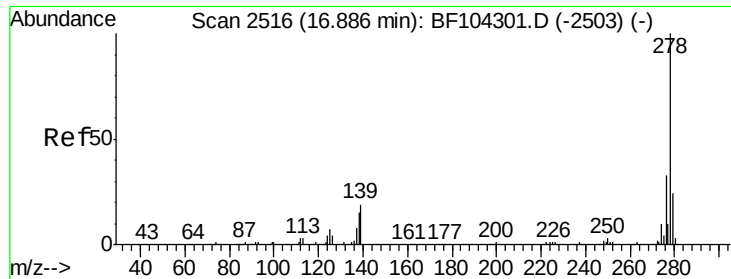
4/26/2018 6:09:34 PM



#89
Benzo(a)pyrene
Concen: 44.862 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.04 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.1	25.7
125	11.2	9.8	14.6





#90
Dibenzo(a,h)anthracene
Concen: 50.490 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.04 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

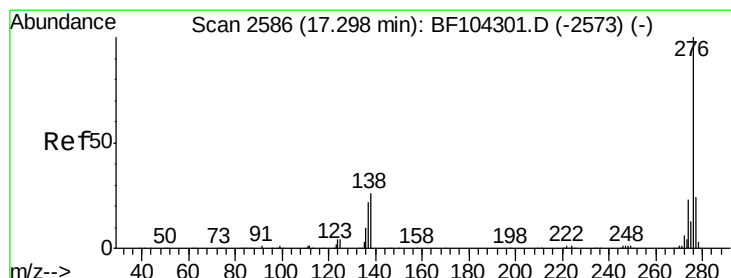
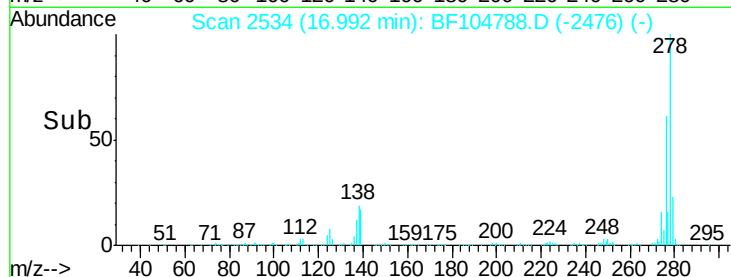
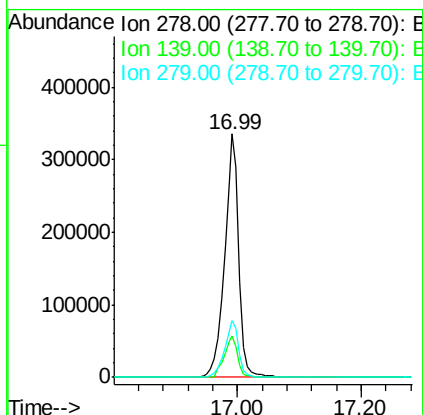
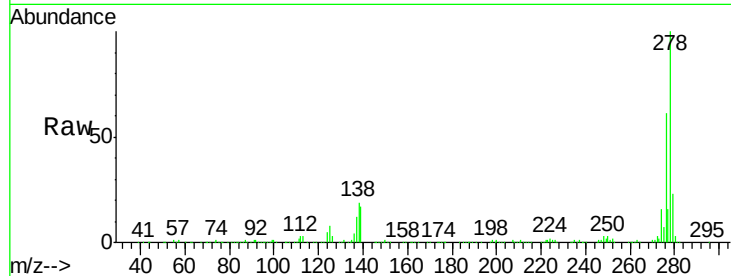
Instrument :
BNA_F
ClientSampleId :
HW-12-4-18-18MSD

Tot Ion	Ion	Ratio	Lower	Upper
278	100			
139	16.9	15.9	23.9	
279	23.5	19.0	28.4	

Manual Integrations
APPROVED

Sohil

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#91
Benzo(g,h,i)perylene
Concen: 50.484 ng
RT: 17.43 min Scan# 2608
Delta R.T. 0.05 min
Lab File: BF104788.D
Acq: 25 Apr 2018 14:59

Tgt Ion	Ion	Ratio	Lower	Upper
276	100			
277	23.7	17.9	26.9	
138	23.0	21.8	32.8	

