

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
 Data File : BF101178.D
 Acq On : 6 Dec 2017 19:59
 Operator : SJ/JU
 Sample : I6738-01MS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 88-20-90-20MS

Manual Integrations
 APPROVED

Sohil
 12/7/2017 11:35:58 AM

Quant Time: Dec 07 00:50:55 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	49533	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	187113	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	80104	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	118490	20.00	ng	0.01
75) Chrysene-d12	14.03	240	106587	20.00	ng	0.00
86) Perylene-d12	15.50	264	107965	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	271827	90.68	ng	0.01
7) Phenol-d6	6.49	99	323821	88.98	ng	0.00
23) Nitrobenzene-d5	7.42	82	196831	62.75	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	69487	72.21	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	392378	67.02	ng	0.00
78) Terphenyl-d14	12.96	244	278876	57.23	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.64	88	32420	26.155	ng	92
3) Pyridine	3.43	79	57548m	17.909	ng	
4) n-Nitrosodimethylamine	3.36	42	47130	30.030	ng	92
6) Aniline	6.52	93	83073	17.554	ng	98
8) 2-Chlorophenol	6.63	128	100706	30.812	ng	98
9) Benzaldehyde	6.40	77	35973	16.150	ng	97
10) Phenol	6.50	94	131029	32.379	ng	93
11) bis(2-Chloroethyl)ether	6.59	93	90811	29.918	ng	98
12) 1,3-Dichlorobenzene	6.79	146	115190	30.268	ng	97
13) 1,4-Dichlorobenzene	6.86	146	117593	29.845	ng	98
14) 1,2-Dichlorobenzene	7.02	146	112174	30.522	ng	95
15) Benzyl Alcohol	6.99	79	85529	30.428	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.12	45	142381	34.509	ng	95
17) 2-Methylphenol	7.10	107	81436	30.857	ng	96
18) Hexachloroethane	7.36	117	33738	26.652	ng	93
19) n-Nitroso-di-n-propylamine	7.26	70	69056	28.175	ng	96
20) 3+4-Methylphenols	7.26	107	104233	30.284	ng	# 68
22) Acetophenone	7.26	105	133507	29.533	ng	# 88
24) Nitrobenzene	7.43	77	98481	32.035	ng	99
25) Isophorone	7.67	82	179184	33.443	ng	99
26) 2-Nitrophenol	7.75	139	50105	29.690	ng	95
27) 2,4-Dimethylphenol	7.79	122	86308	35.354	ng	99
28) bis(2-Chloroethoxy)methane	7.88	93	112716	31.301	ng	100
29) 2,4-Dichlorophenol	7.99	162	85926	32.336	ng	97
30) 1,2,4-Trichlorobenzene	8.07	180	94898	32.478	ng	98
31) Naphthalene	8.16	128	281008	30.472	ng	99
32) Benzoic acid	7.89	122	30114	15.860	ng	93
33) 4-Chloroaniline	8.20	127	54842	14.801	ng	98
34) Hexachlorobutadiene	8.26	225	54871	30.618	ng	97
35) Caprolactam	8.57	113	22883	27.632	ng	93
36) 4-Chloro-3-methylphenol	8.69	107	84423	30.670	ng	95
37) 2-Methylnaphthalene	8.85	142	192713	30.755	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.01	216	87931	30.217	ng	# 96
40) Hexachlorocyclopentadiene	8.99	237	9074	15.853	ng	90

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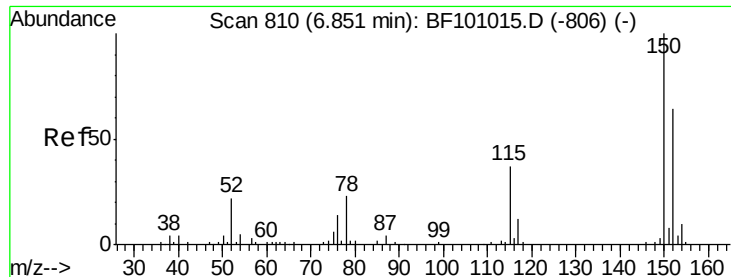
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Quant Time: Dec 07 00:50:55 2017
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.13	196	58416	34.244	nq	99
43) 2,4,5-Trichlorophenol	9.17	196	60971m	33.432	nq	
45) 1,1'-Biphenyl	9.31	154	221433	30.172	nq	96
46) 2-Chloronaphthalene	9.33	162	173166	33.224	nq	96
47) 2-Nitroaniline	9.43	65	53692	34.818	nq	96
48) Acenaphthylene	9.75	152	249960	29.182	nq	99
49) Dimethylphthalate	9.61	163	226903	35.123	nq	99
50) 2,6-Dinitrotoluene	9.67	165	43242	31.780	nq	95
51) Acenaphthene	9.92	154	146249	28.514	nq	98
52) 3-Nitroaniline	9.85	138	42646	27.870	nq	98
53) 2,4-Dinitrophenol	9.96	184	5834	12.662	nq #	26
54) Dibenzofuran	10.10	168	216121	29.240	nq	98
55) 4-Nitrophenol	10.02	139	49358	47.830	nq	90
56) 2,4-Dinitrotoluene	10.09	165	51487	28.235	nq #	92
57) Fluorene	10.44	166	164286	27.342	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.22	232	41817	28.638	nq #	87
59) Diethylphthalate	10.31	149	188797	29.629	nq	95
60) 4-Chlorophenyl-phenylether	10.43	204	83229	28.055	nq	97
61) 4-Nitroaniline	10.46	138	35208	22.166	nq	97
62) Azobenzene	10.59	77	147707	27.315	nq	93
64) 4,6-Dinitro-2-methylphenol	10.50	198	6605	8.311	nq #	62
65) n-Nitrosodiphenylamine	10.55	169	152496	36.481	nq	95
66) 4-Bromophenyl-phenylether	10.92	248	45883	34.595	nq	91
67) Hexachlorobenzene	11.00	284	45858	32.261	nq #	88
68) Atrazine	11.08	200	46318	36.122	nq	91
69) Pentachlorophenol	11.19	266	37272	47.688	nq	98
70) Phenanthrene	11.41	178	208890	32.013	nq	99
71) Anthracene	11.46	178	209397	31.707	nq	98
72) Carbazole	11.62	167	175140	29.026	nq	98
73) Di-n-butylphthalate	11.93	149	242614	32.079	nq	100
74) Fluoranthene	12.60	202	197201	27.264	nq	94
76) Benzidine	12.72	184	16984	4.900	nq #	78
77) Pyrene	12.83	202	200549	27.268	nq	100
79) Butylbenzylphthalate	13.43	149	84992	26.210	nq	90
80) Benzo(a)anthracene	14.02	228	200130	29.738	nq	98
81) 3,3'-Dichlorobenzidine	13.97	252	53325	22.880	nq #	97
82) Chrysene	14.05	228	196860	31.497	nq	96
83) Bis(2-ethylhexyl)phthalate	13.99	149	124223	26.868	nq	99
84) Di-n-octyl phthalate	14.60	149	215115	27.943	nq #	98
85) Indeno(1,2,3-cd)pyrene	16.99	276	176877	31.832	nq #	91
87) Benzo(b)fluoranthene	15.07	252	191723	29.647	nq	99
88) Benzo(k)fluoranthene	15.10	252	186395m	29.256	nq	
89) Benzo(a)pyrene	15.44	252	179485	30.529	nq	97
90) Dibenzo(a,h)anthracene	17.00	278	149004	28.748	nq #	93
91) Benzo(g,h,i)perylene	17.44	276	134927	27.623	nq #	91

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



#1

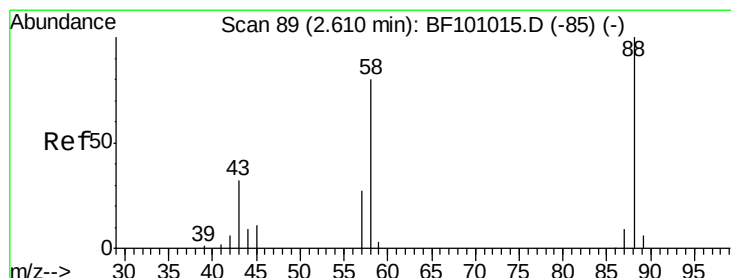
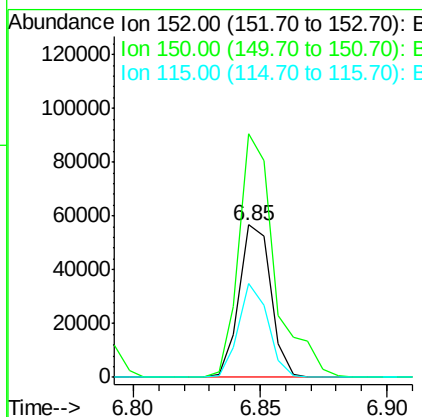
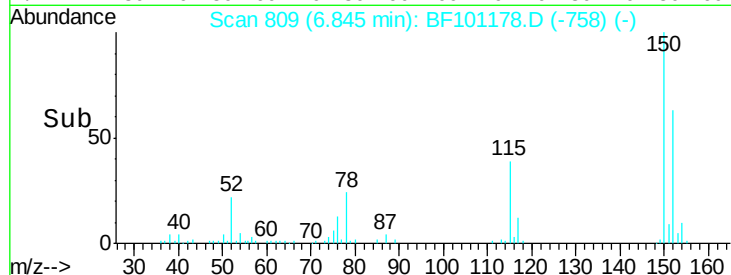
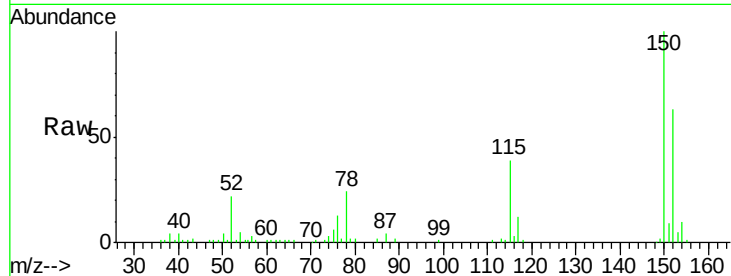
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Instrument :
BNA_F
ClientSampleId :
88-20-90-20MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	124.6	186.8
115	61.4	50.1	75.1

Manual Integrations
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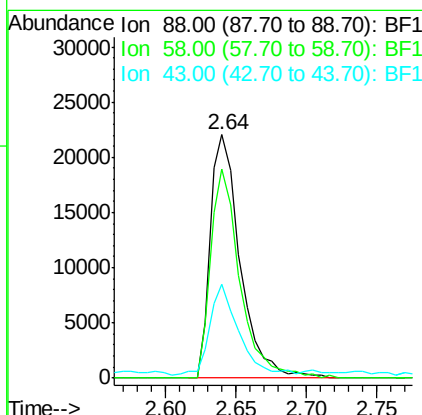
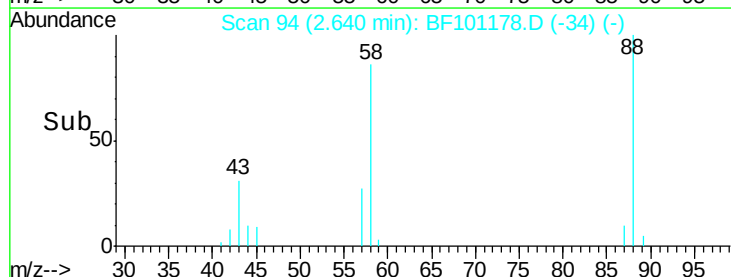
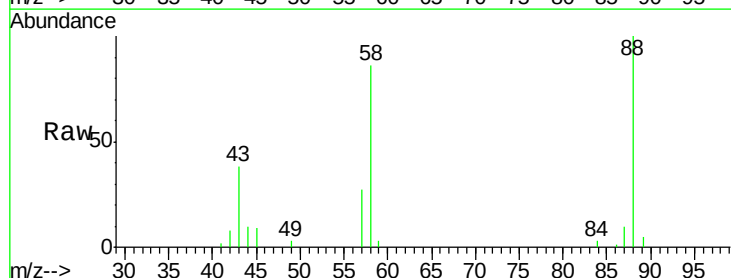
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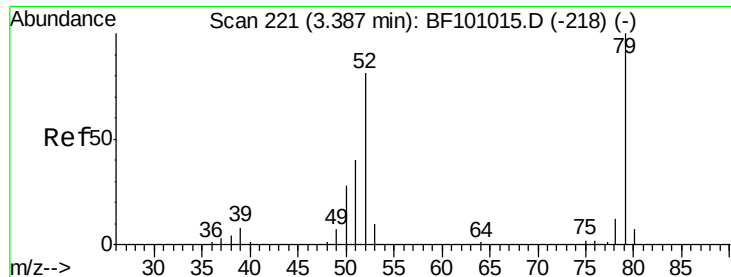


#2

1,4-Dioxane
Concen: 26.155 ng
RT: 2.64 min Scan# 94
Delta R.T. 0.05 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Tgt Ion	Ratio	Lower	Upper
88	100		
58	84.7	62.6	93.8
43	35.2	24.6	37.0





#3

Pvridine

Concen: 17.909 ng/ml

RT: 3.43 min Scan# 229

Delta R.T. 0.07 min

Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

Instrument :

BNA_F

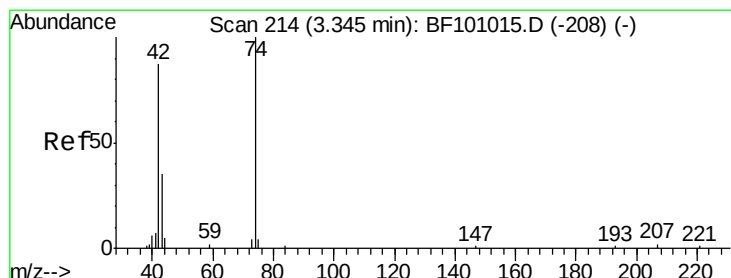
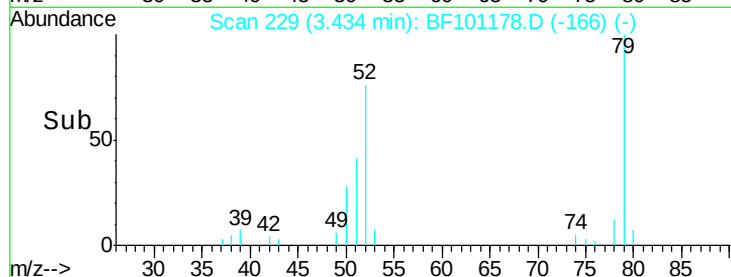
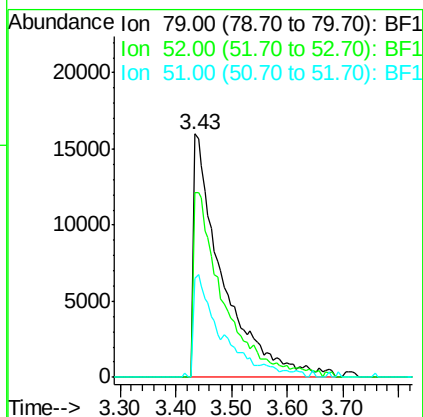
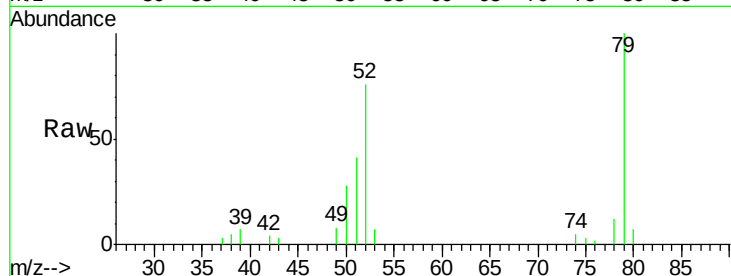
ClientSampleId :

88-20-90-20MS

Tot Ion:	79	Resp:	57548
Ion	Ratio	Lower	Upper
79	100		
52	76.1	59.8	89.6
51	40.7	29.8	44.8

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#4

n-Nitrosodimethylamine

Concen: 30.030 ng

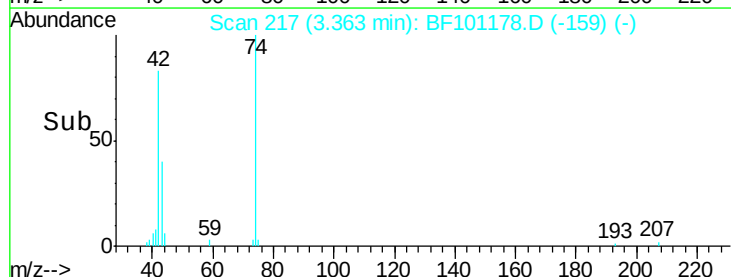
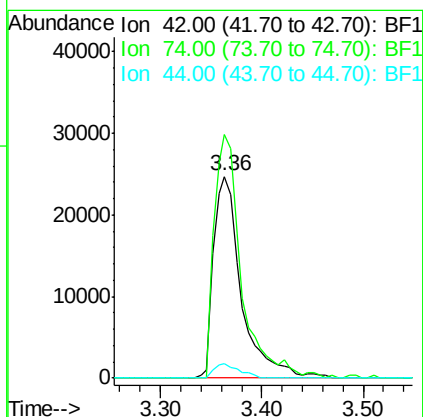
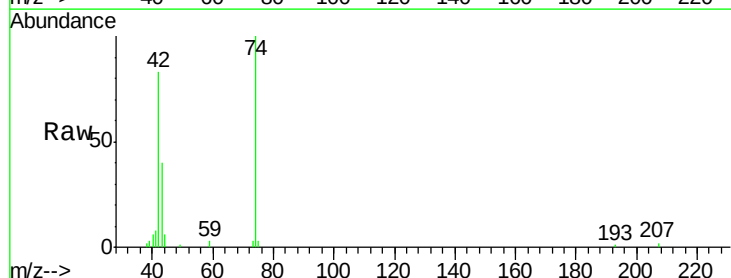
RT: 3.36 min Scan# 217

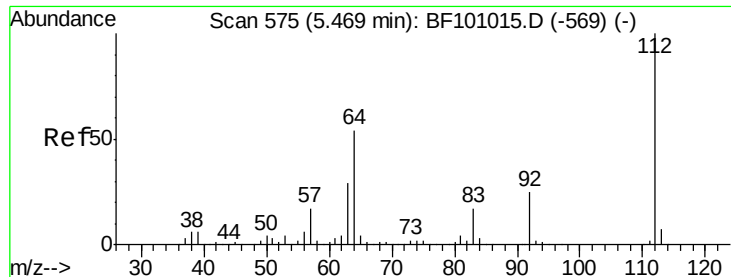
Delta R.T. 0.04 min

Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

Tgt Ion:	42	Resp:	47130
Ion	Ratio	Lower	Upper
42	100		
74	120.9	104.9	157.3
44	6.9	6.9	10.3





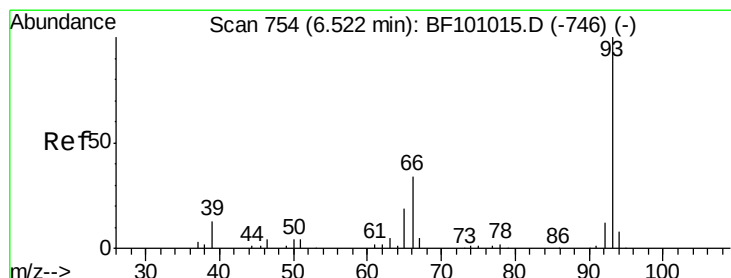
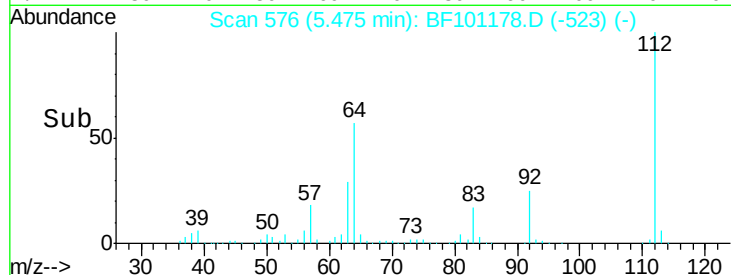
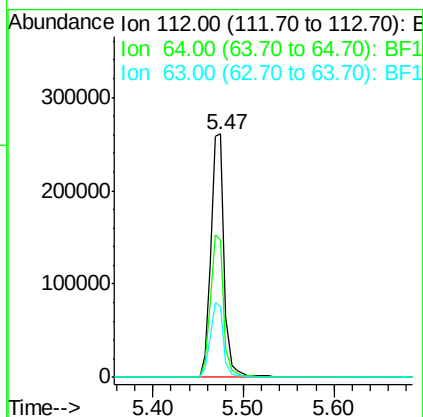
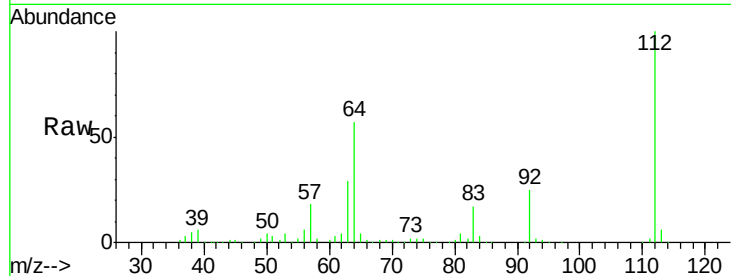
#5
2-Fluorophenol
Concen: 90.683 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Instrument :
BNA_F
ClientSampleId :
88-20-90-20MS

Tot Ion	Ratio	Resp	Lower	Upper
112	100	271827		
64	56.5	47.9	71.9	
63	29.3	23.7	35.5	

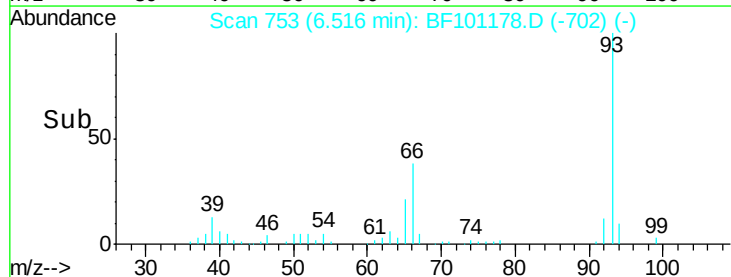
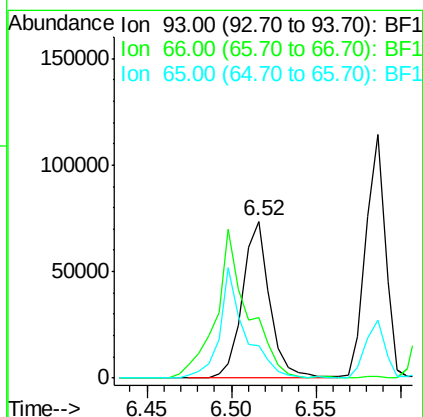
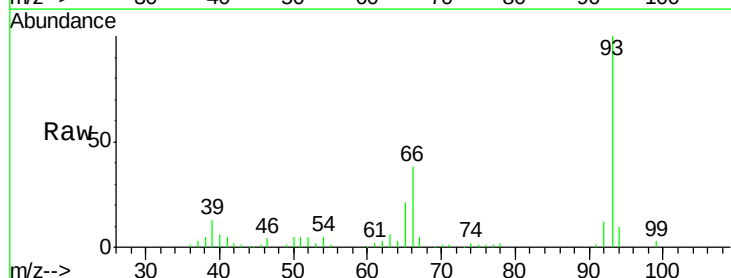
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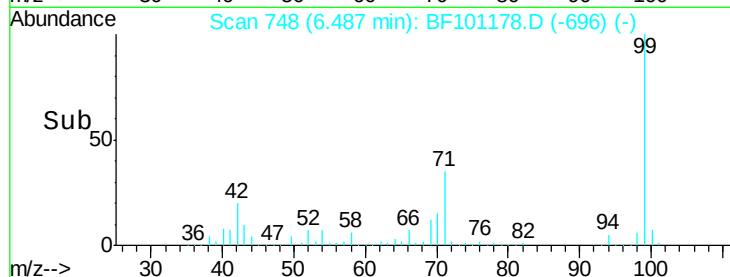
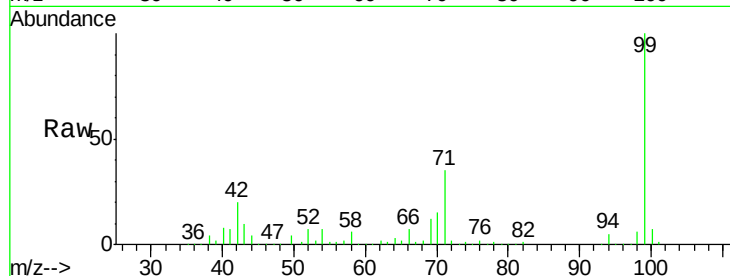
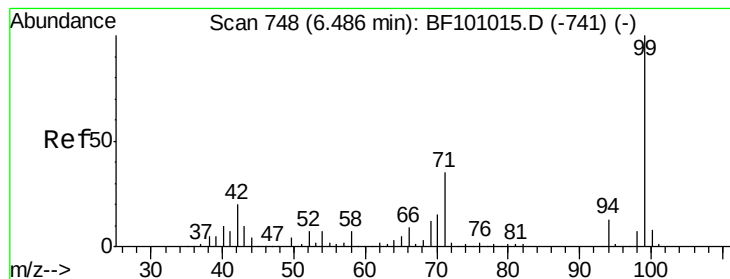
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#6
Aniline
Concen: 17.554 ng
RT: 6.52 min Scan# 753
Delta R.T. 0.00 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	83073		
66	38.4	32.2	48.2	
65	21.0	16.4	24.6	





#7

Phenol-d6

Concen: 88.978 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

Tot Ion:	99	Resp:	323821
Ion Ratio	Lower	Upper	
99	100		
42	20.2	14.5	21.7
71	35.1	25.4	38.0

Instrument :

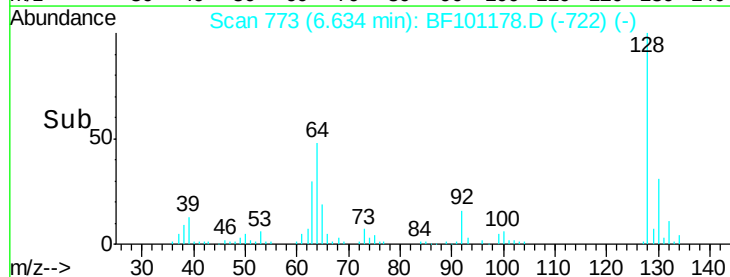
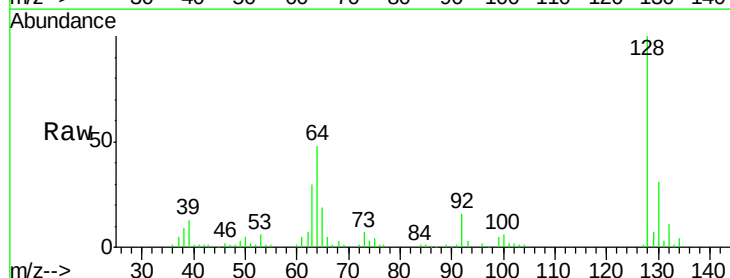
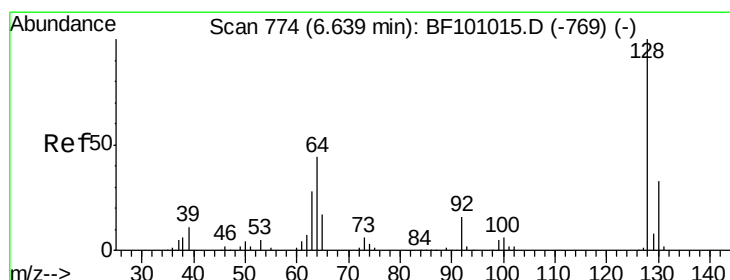
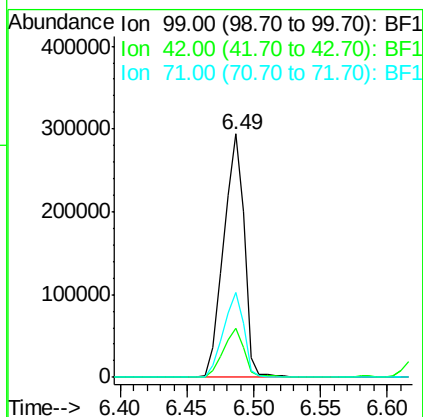
BNA_F

ClientSampleId :

88-20-90-20MS

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#8

2-Chlorophenol

Concen: 30.812 ng

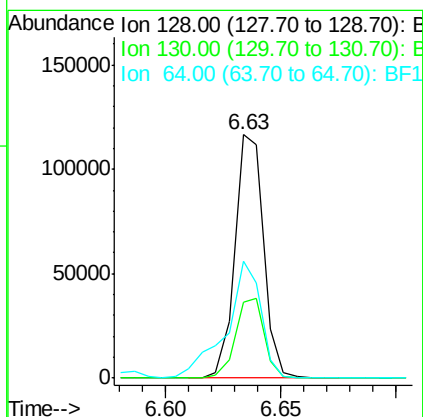
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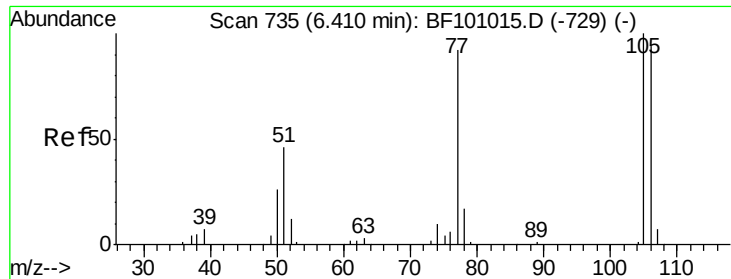
Delta R.T. 0.00 min

Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

Tgt Ion:	128	Resp:	100706
Ion Ratio	Lower	Upper	
128	100		
130	31.3	13.0	53.0
64	48.2	29.4	69.4





#9

Benzaldehyde

Concen: 16.150 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

Instrument :

BNA_F

ClientSampleId :

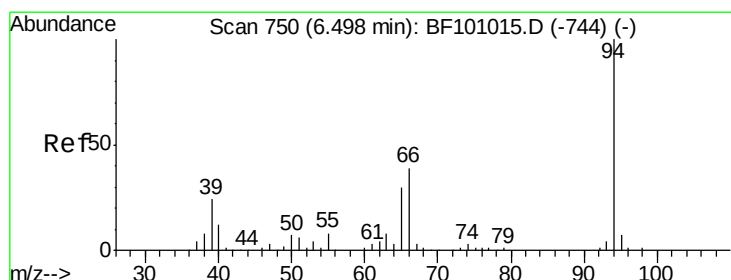
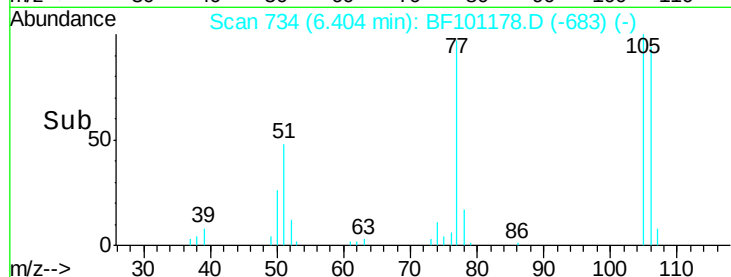
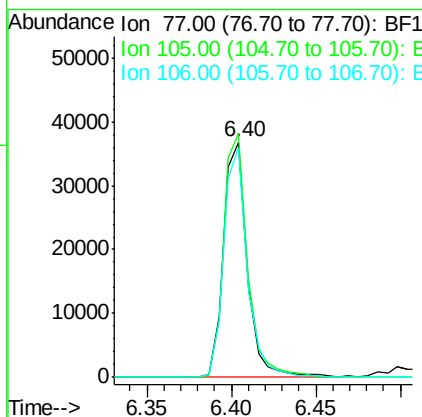
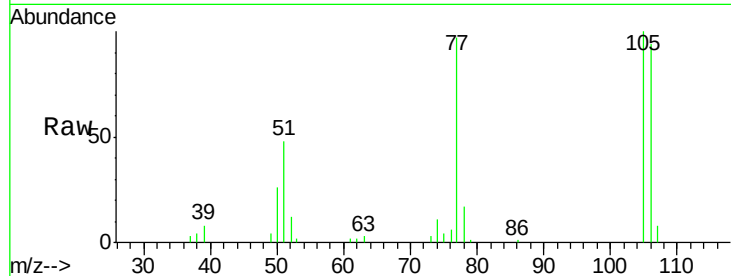
88-20-90-20MS

Tot Ion: 77 Resp: 35973

Ion	Ratio	Lower	Upper
77	100		
105	103.5	81.1	121.1
106	97.7	74.5	114.5

Manual Integrations
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#10

Phenol

Concen: 32.379 ng

RT: 6.50 min Scan# 750

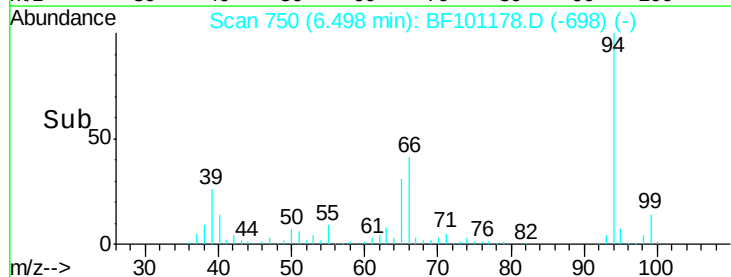
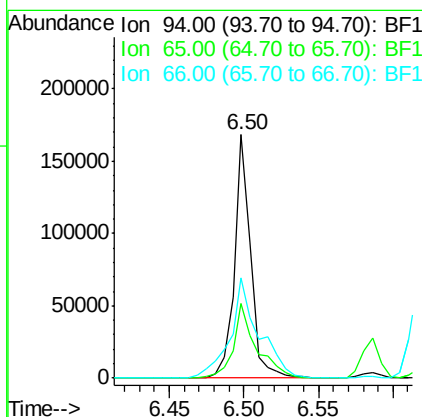
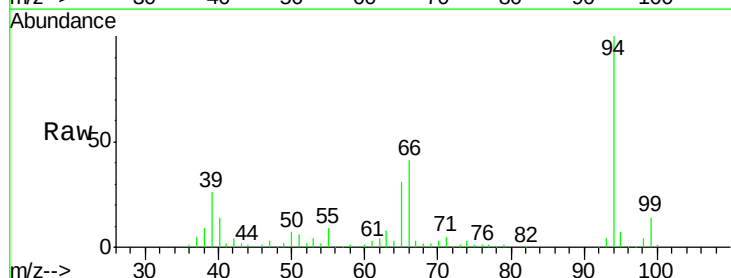
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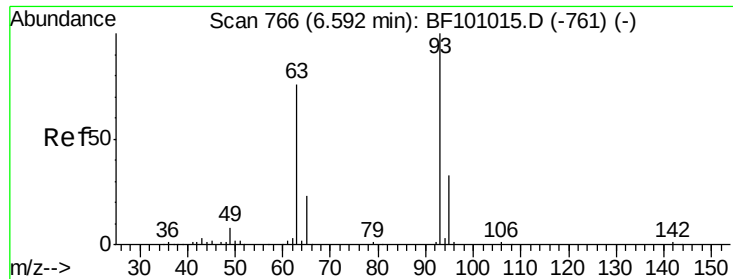
Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

Tgt Ion: 94 Resp: 131029

Ion	Ratio	Lower	Upper
94	100		
65	30.7	7.9	47.9
66	41.4	16.2	56.2





#11

bis(2-Chloroethyl)ether

Concen: 29.918 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

Instrument :

BNA_F

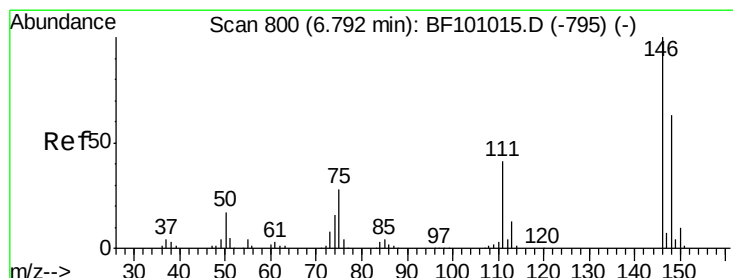
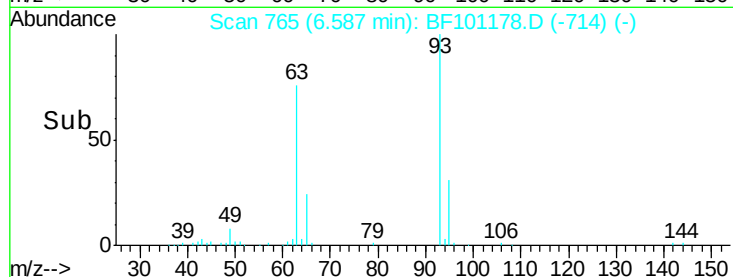
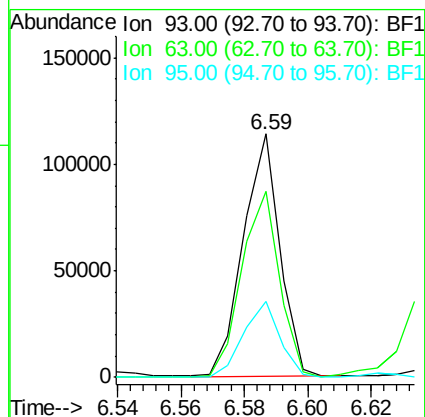
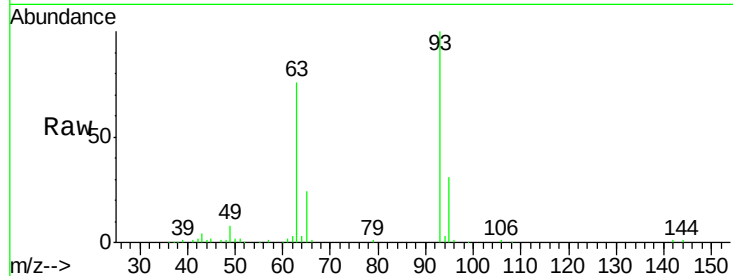
ClientSampleId :

88-20-90-20MS

Tot Ion:	93	Resp:	90811
Ion Ratio	Lower	Upper	
93	100		
63	76.4	58.6	98.6
95	31.4	11.8	51.8

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#12

1,3-Dichlorobenzene

Concen: 30.268 ng

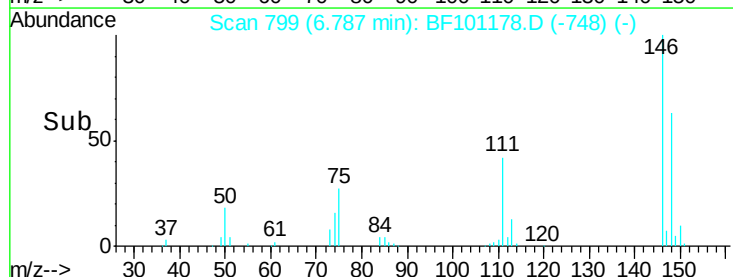
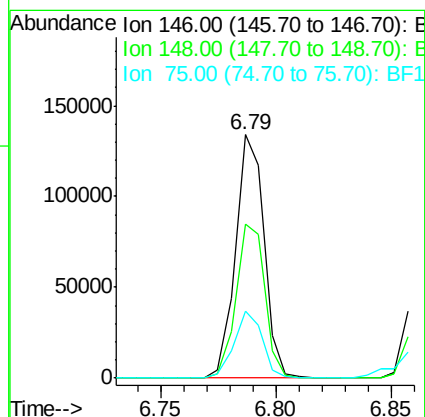
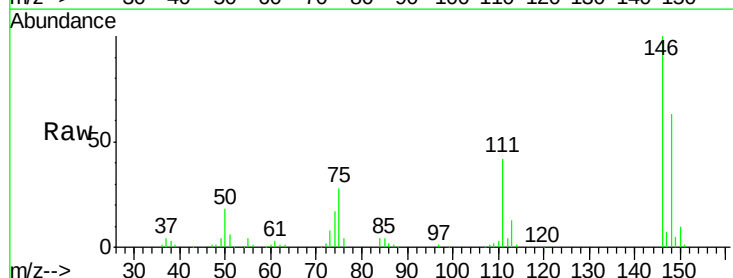
RT: 6.79 min Scan# 799

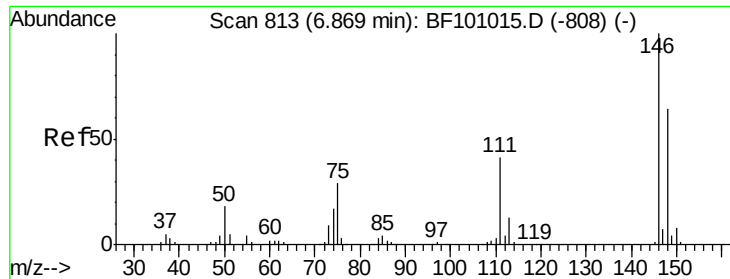
Delta R.T. 0.00 min

Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

Tgt Ion:	146	Resp:	115190
Ion Ratio	Lower	Upper	
146	100		
148	63.3	51.8	77.8
75	27.6	24.2	36.4





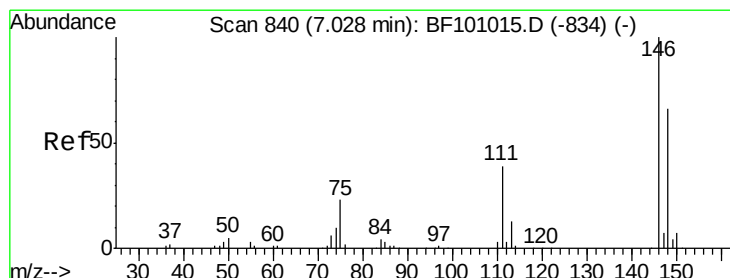
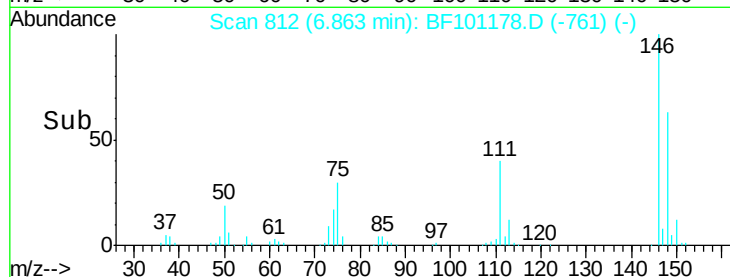
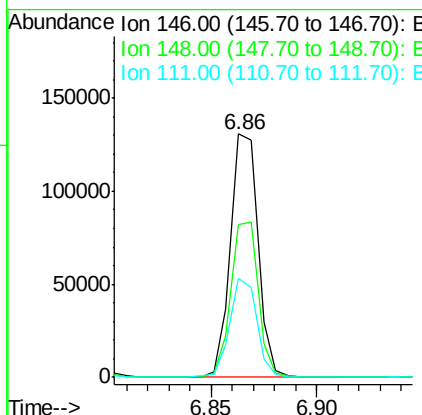
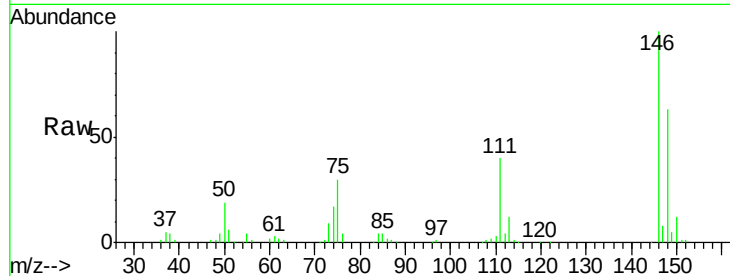
#13
 1,4-Dichlorobenzene
 Concen: 29.845 ng
 RT: 6.86 min Scan# 812
 Delta R.T. 0.00 min
 Lab File: BF101178.D
 Acq: 6 Dec 2017 19:59

Instrument :
 BNA_F
 ClientSampleId :
 88-20-90-20MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.8	76.2
111	40.4	34.2	51.2

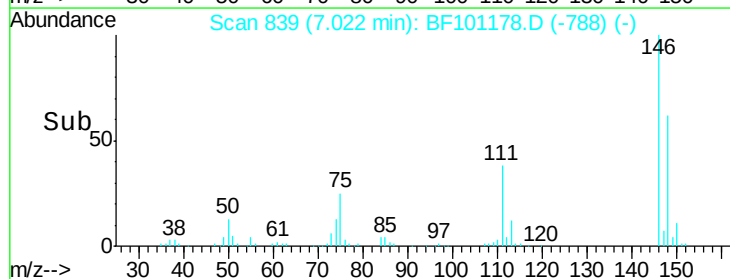
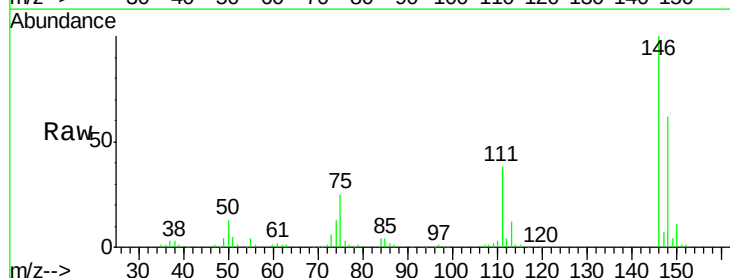
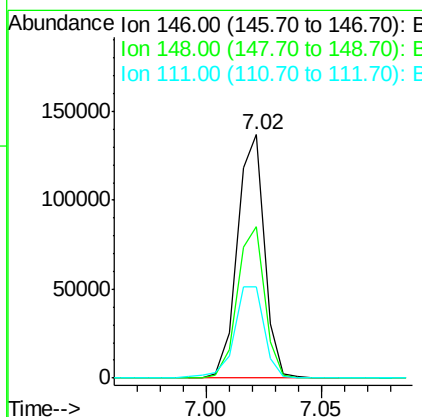
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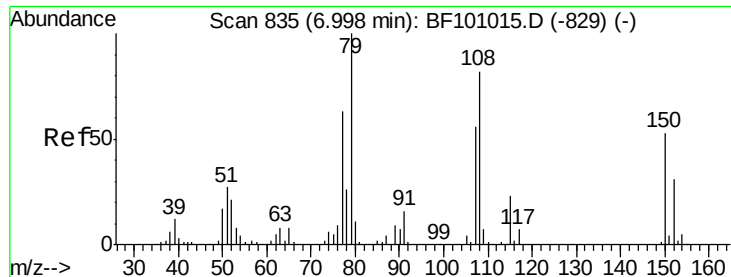
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#14
 1,2-Dichlorobenzene
 Concen: 30.522 ng
 RT: 7.02 min Scan# 839
 Delta R.T. 0.00 min
 Lab File: BF101178.D
 Acq: 6 Dec 2017 19:59

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.3	50.6	75.8
111	37.6	36.0	54.0





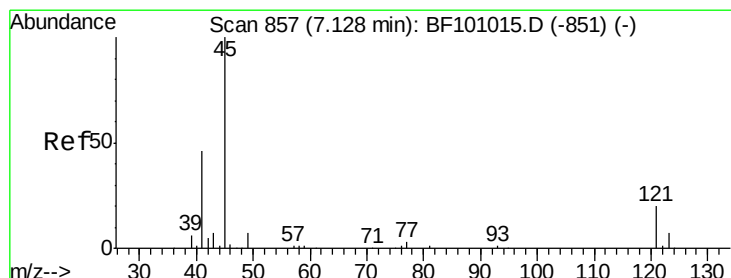
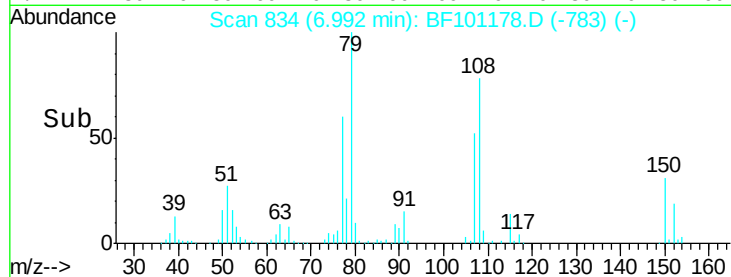
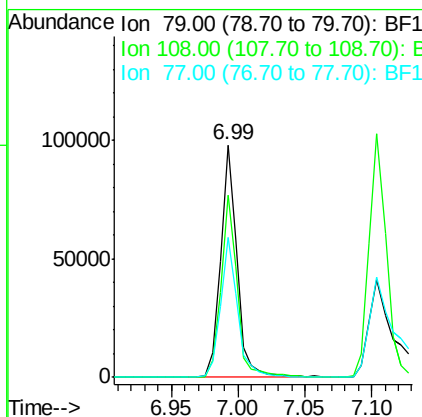
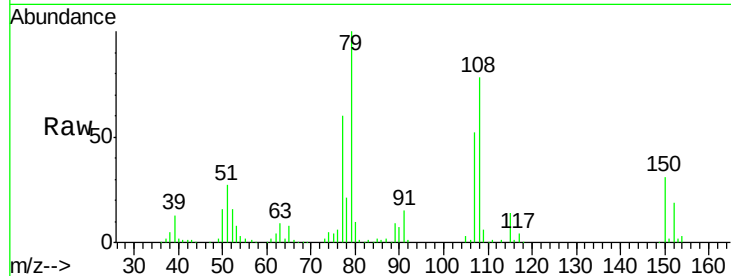
#15
Benzyl Alcohol
Concen: 30.428 ng
RT: 6.99 min Scan# 834
Delta R.T. 0.00 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Instrument :
BNA_F
ClientSampleId :
88-20-90-20MS

Tot Ion	Ratio	Lower	Upper
79	100		
108	78.4	65.1	97.7
77	60.2	50.6	75.8

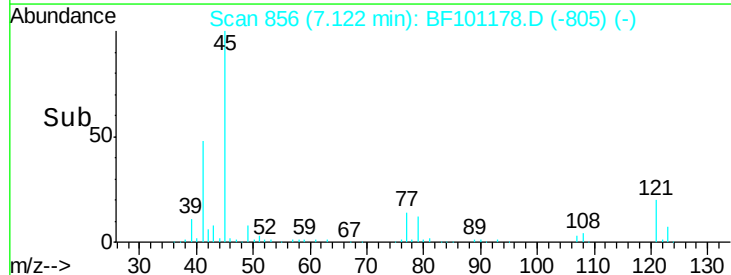
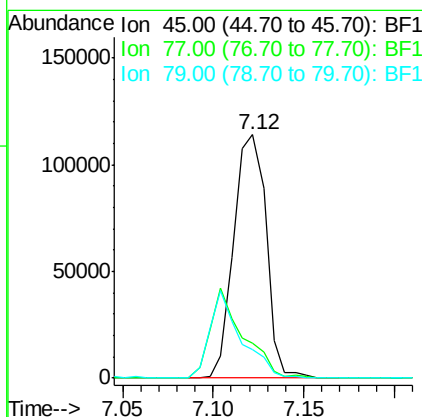
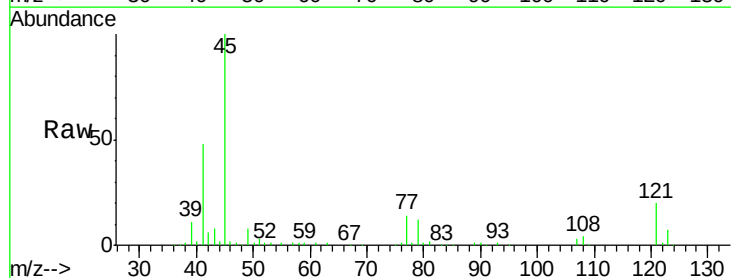
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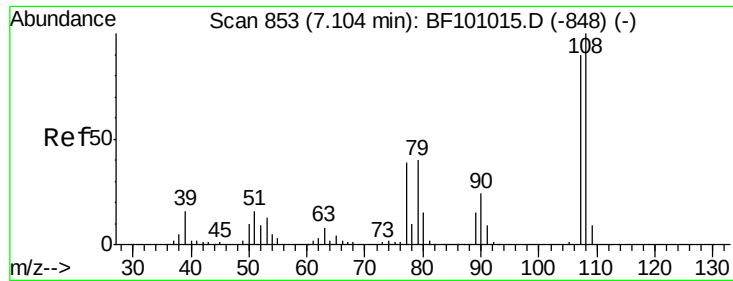
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#16
2,2'-oxybis(1-chloropropane)
Concen: 34.509 ng
RT: 7.12 min Scan# 856
Delta R.T. 0.00 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Tgt Ion	Ratio	Lower	Upper
45	100		
77	14.3	0.0	32.9
79	11.8	0.0	29.6





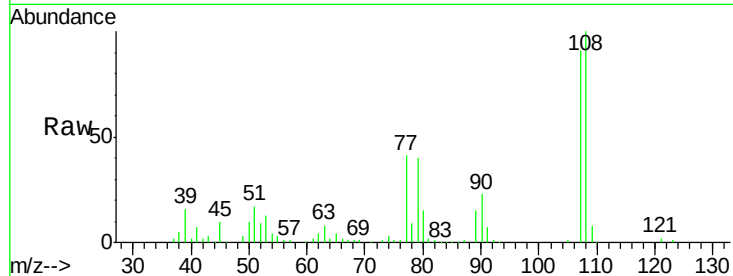
#17
2-Methylphenol
Concen: 30.857 ng
RT: 7.10 min Scan# 853
Delta R.T. 0.00 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Instrument :
BNA_F
ClientSampleId :
88-20-90-20MS

Tot Ion:	107	Resp:	81436
Ion	Ratio	Lower	Upper
107	100		
108	109.8	91.7	137.5
77	45.2	33.8	50.8
79	44.0	33.8	50.8

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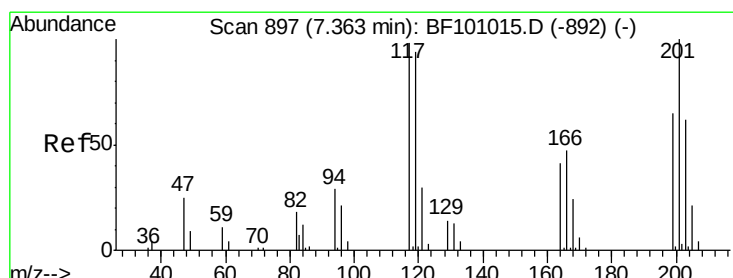
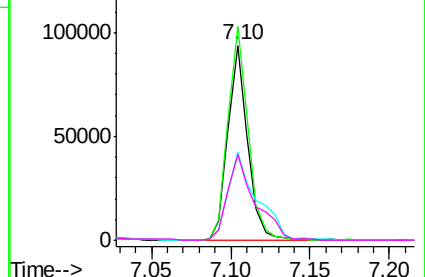
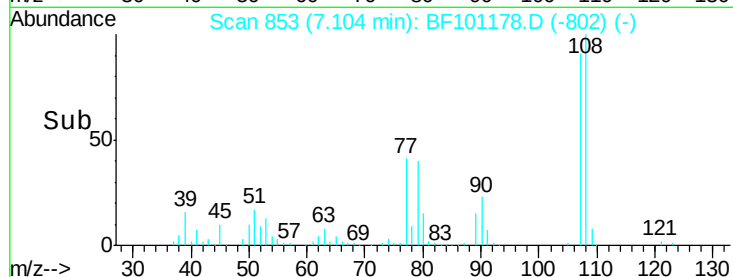
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

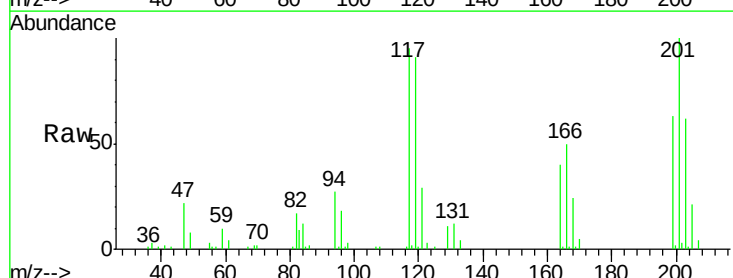
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 26.652 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.00 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Tgt Ion:	117	Resp:	33738
Ion	Ratio	Lower	Upper
117	100		
119	96.5	75.8	113.8
201	105.6	75.7	113.5

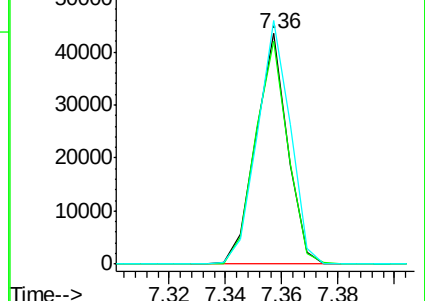
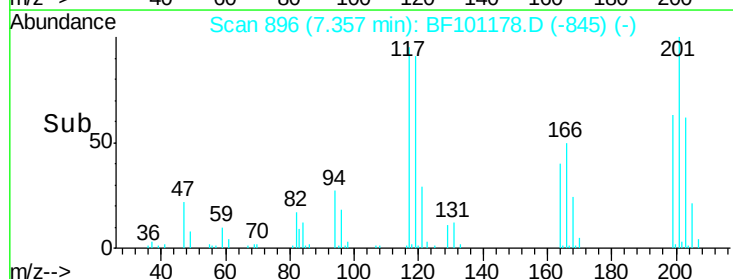


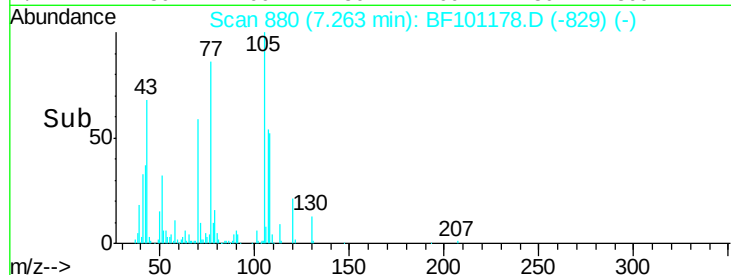
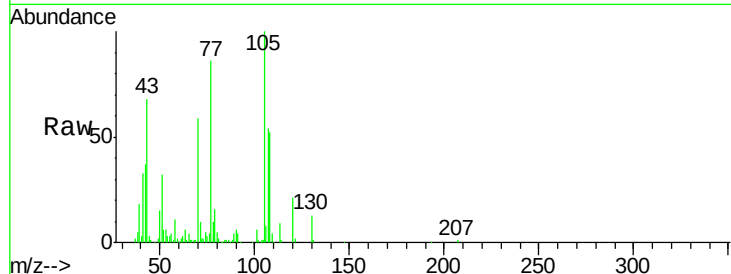
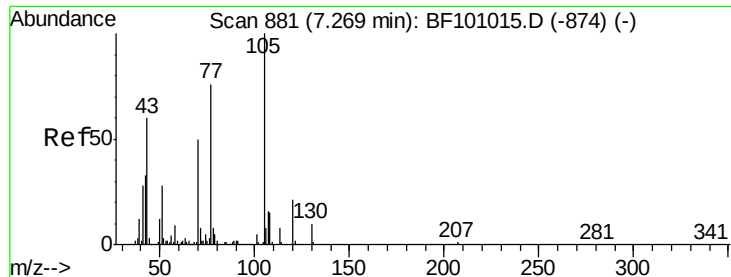
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





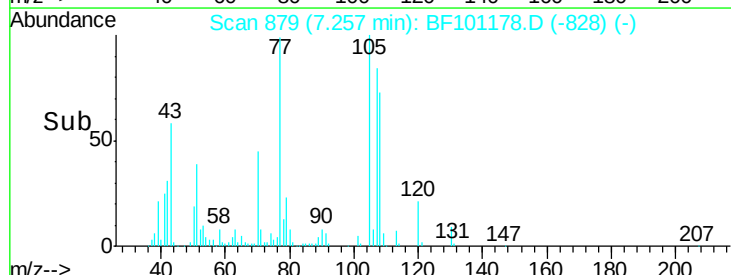
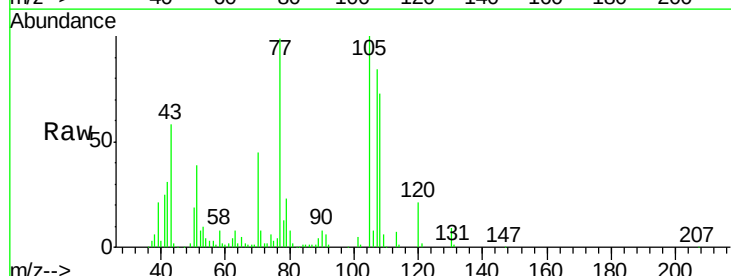
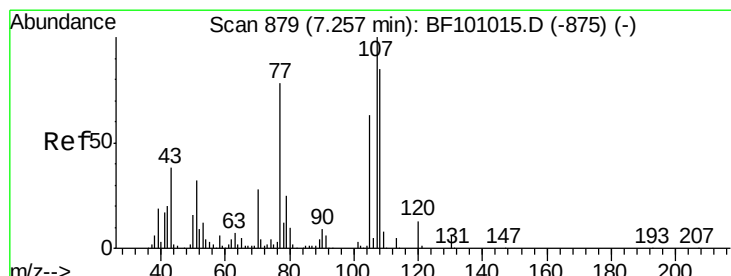
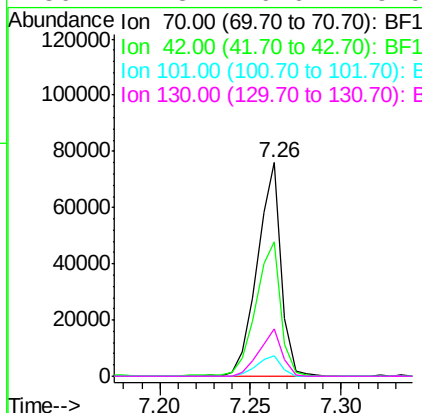
#19
n-Nitroso-di-n-propylamine
Concen: 28.175 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.00 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Instrument :
BNA_F
ClientSampleId :
88-20-90-20MS

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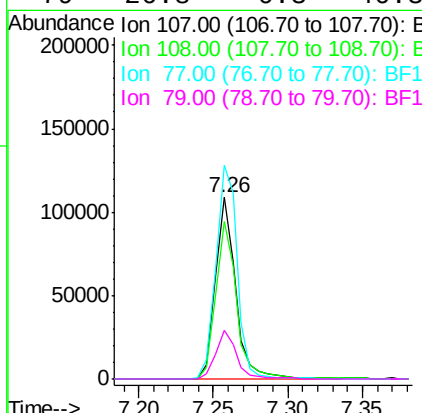
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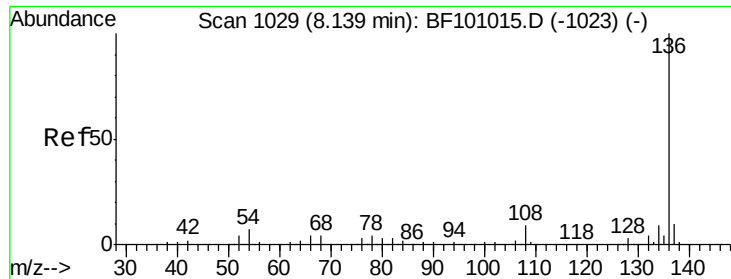
Tot Ion	Ratio	Lower	Upper
70	100		
42	63.2	47.5	71.3
101	9.9	7.4	11.2
130	22.3	16.6	25.0



#20
3+4-Methylphenols
Concen: 30.284 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Tgt Ion	Ratio	Lower	Upper
107	100		
108	86.9	68.2	108.2
77	117.6	26.7	66.7#
79	26.8	6.3	46.3





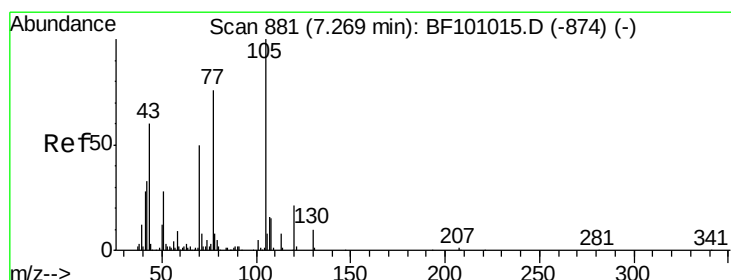
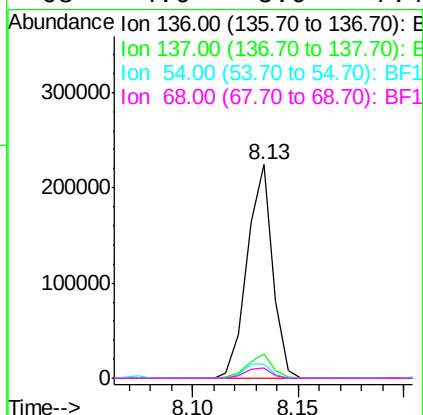
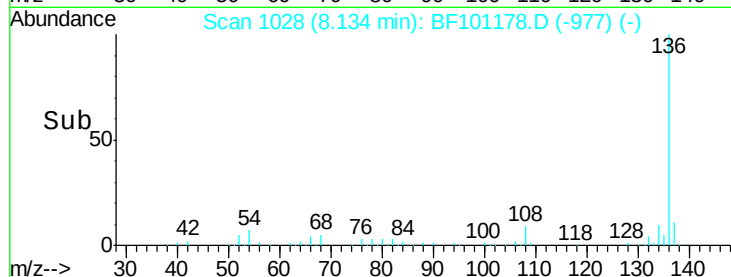
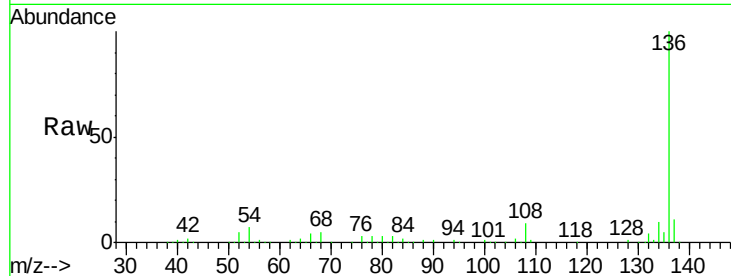
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Instrument :
BNA_F
ClientSampleId :
88-20-90-20MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	187113		
137	11.2	8.9	13.3	
54	6.8	6.6	9.8	
68	4.6	5.0	7.4	

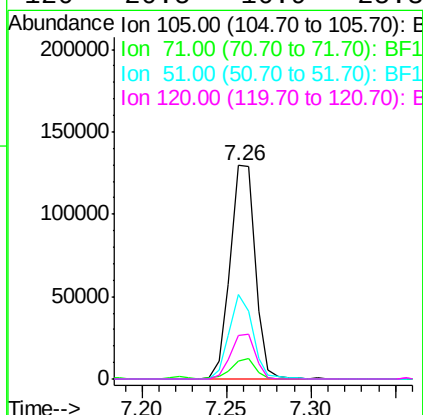
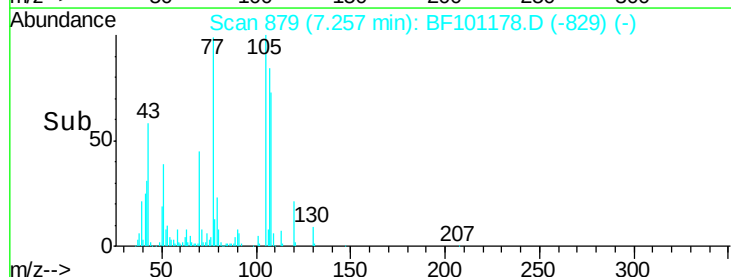
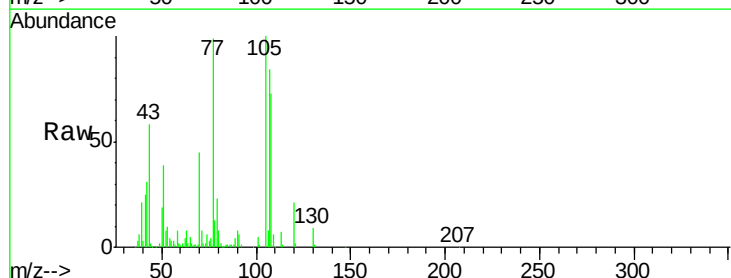
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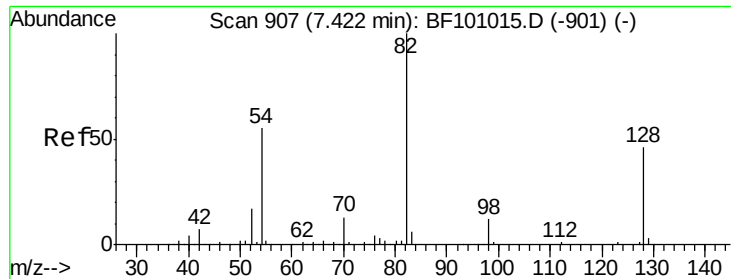
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#22
Acetophenone
Concen: 29.533 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	133507		
71	8.2	4.4	6.6	
51	39.4	22.3	33.5	
120	20.5	16.9	25.3	





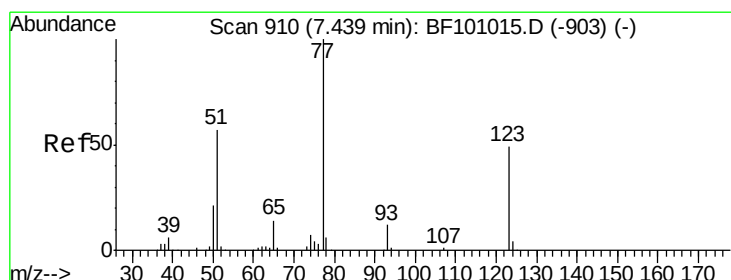
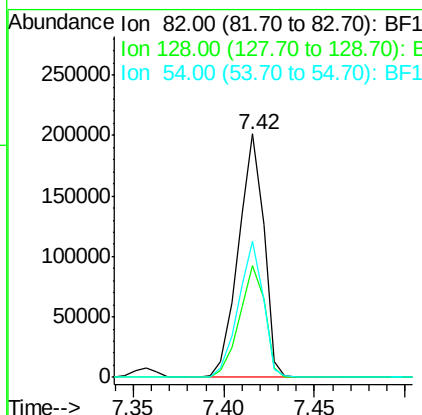
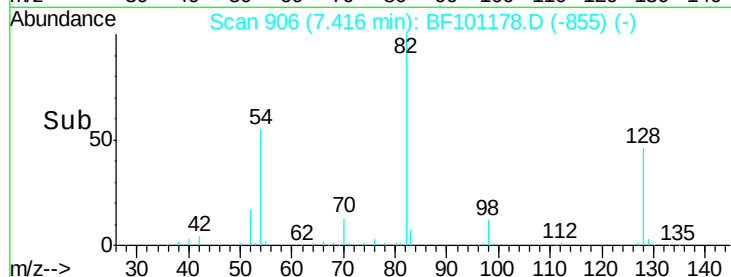
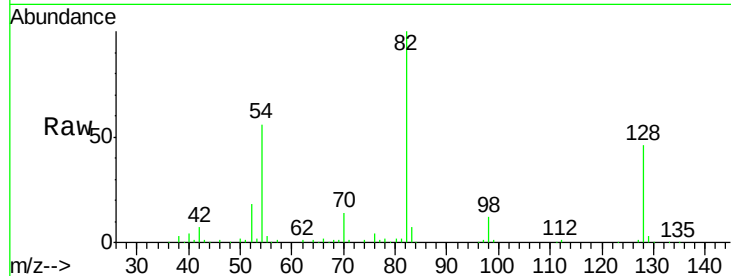
#23
Nitrobenzene-d5
Concen: 62.751 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Instrument :
BNA_F
ClientSampled :
88-20-90-20MS

Tot Ion	82	Resp	196831
Ion Ratio	100	Lower	Upper
82	100		
128	45.8	36.1	54.1
54	55.7	41.4	62.2

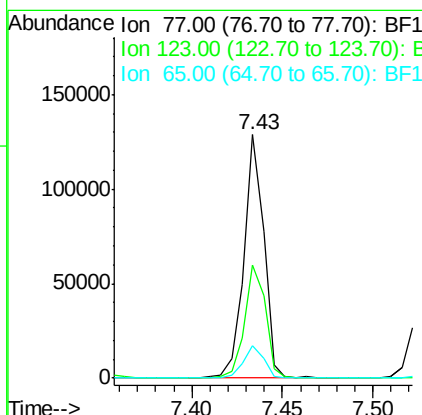
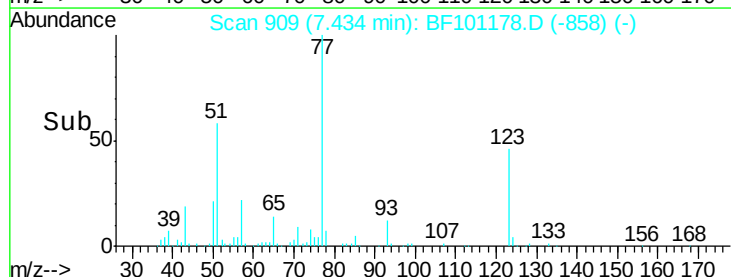
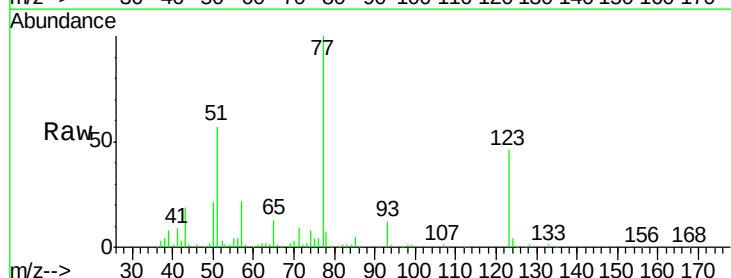
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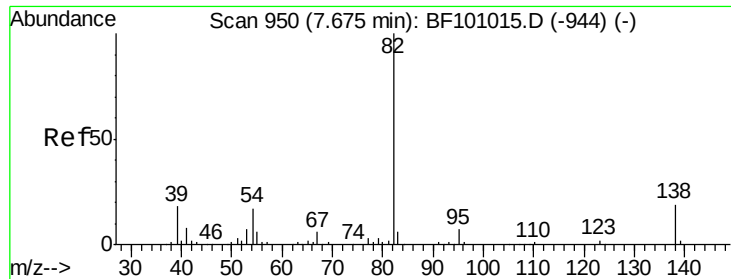
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#24
Nitrobenzene
Concen: 32.035 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.00 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Tgt Ion	77	Resp	98481
Ion Ratio	100	Lower	Upper
77	100		
123	46.5	37.9	56.9
65	13.3	11.0	16.4





#25

Isophorone

Concen: 33.443 ng

RT: 7.67 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

Instrument :

BNA_F

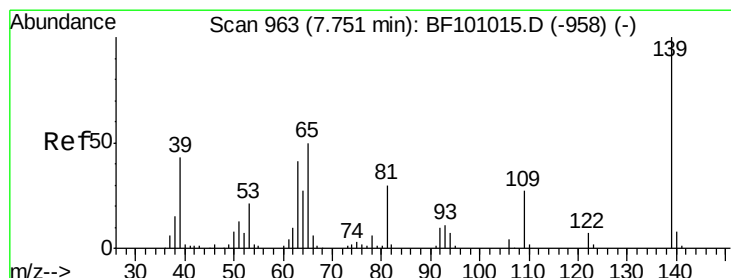
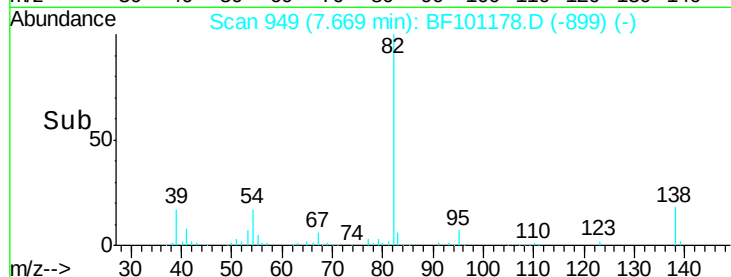
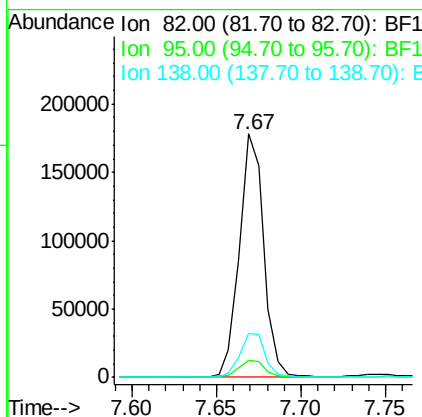
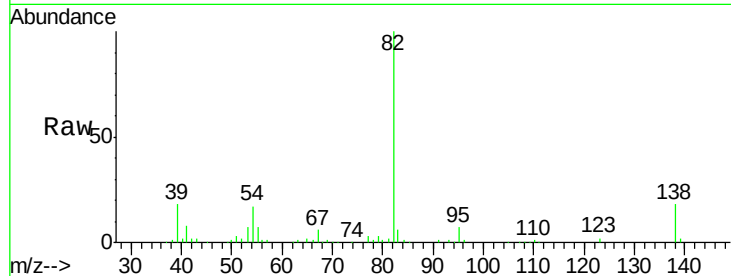
ClientSampleId :

88-20-90-20MS

Tot Ion:	82	Resp:	179184
Ion Ratio		Lower	Upper
82	100		
95	7.2	5.2	7.8
138	18.1	14.9	22.3

Manual Integrations
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#26

2-Nitrophenol

Concen: 29.690 ng

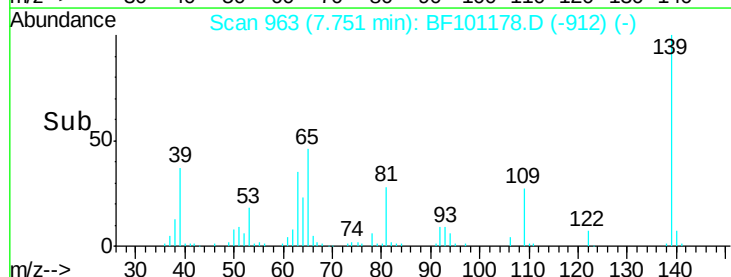
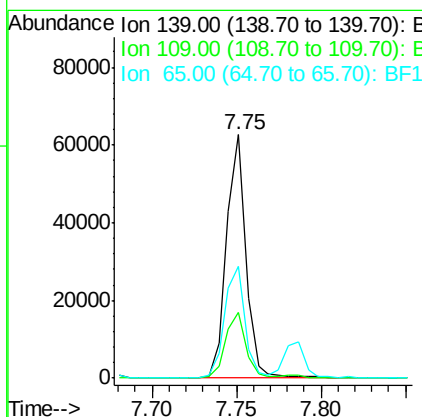
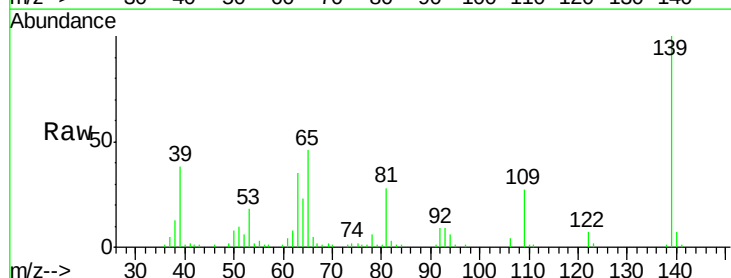
RT: 7.75 min Scan# 963

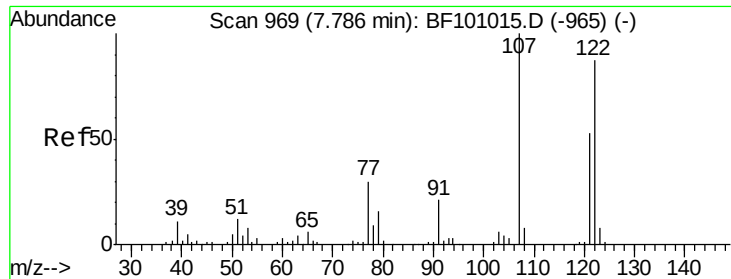
Delta R.T. 0.00 min

Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

Tgt Ion:	139	Resp:	50105
Ion Ratio		Lower	Upper
139	100		
109	27.1	22.7	34.1
65	45.9	40.5	60.7





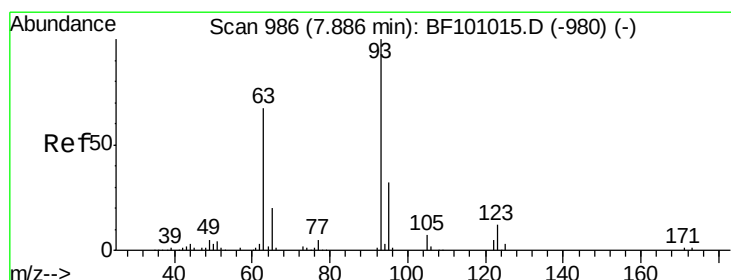
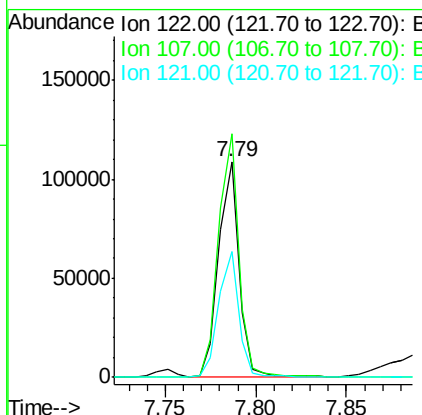
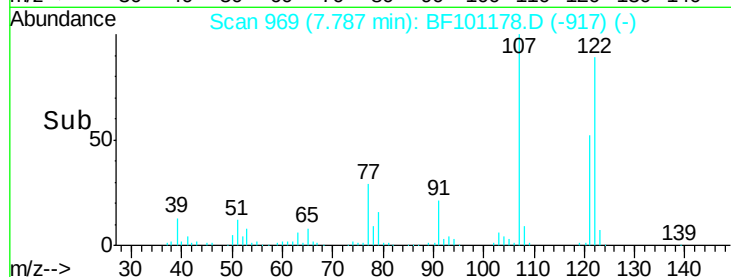
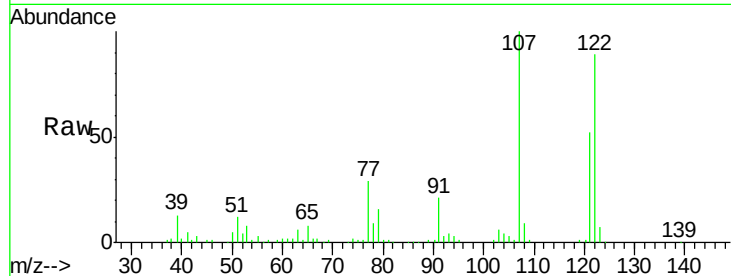
#27
2,4-Dimethylphenol
Concen: 35.354 ng
RT: 7.79 min Scan# 969
Delta R.T. 0.01 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Instrument :
BNA_F
ClientSampleId :
88-20-90-20MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		86308		
107	112.9	91.2		136.8	
121	58.5	47.2		70.8	

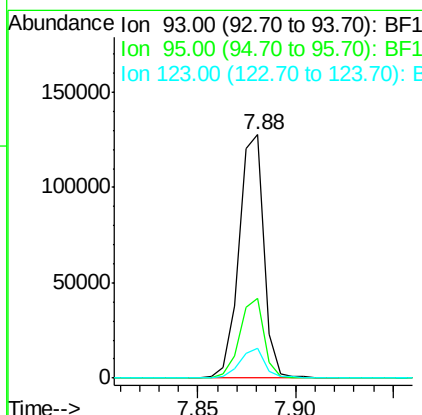
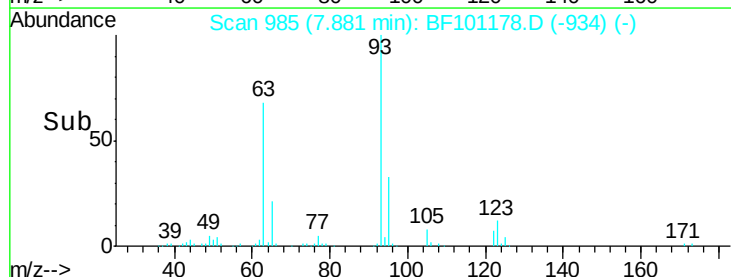
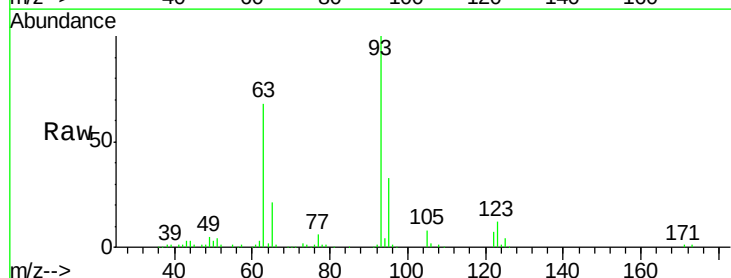
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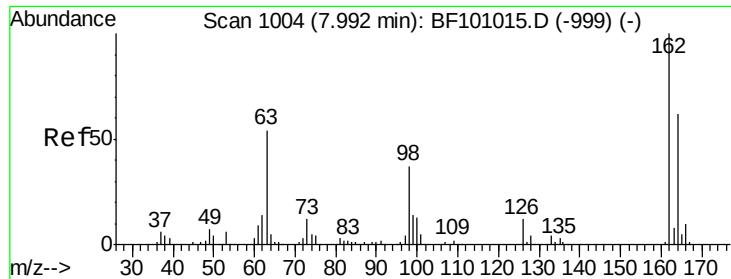
Sohil
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#28
bis(2-Chloroethoxy)methane
Concen: 31.301 ng
RT: 7.88 min Scan# 985
Delta R.T. 0.00 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		112716		
95	32.6	26.3		39.5	
123	12.2	9.8		14.6	





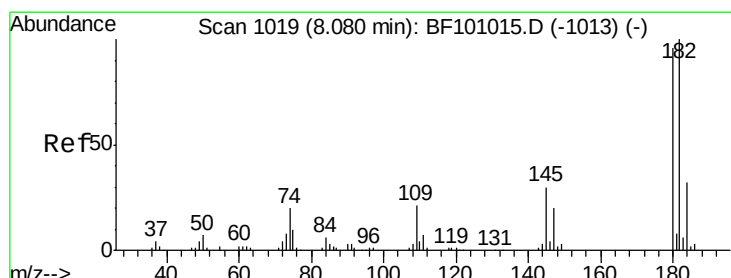
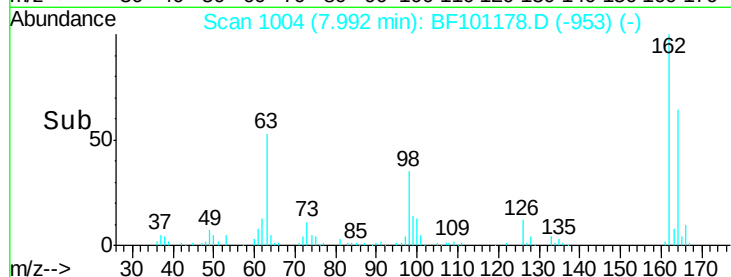
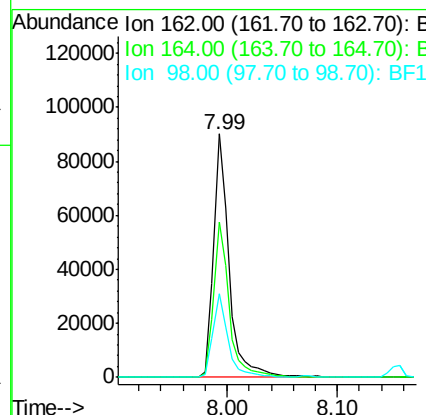
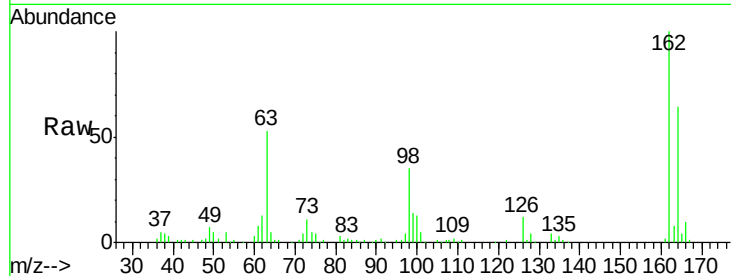
#29
 2,4-Dichlorophenol
 Concen: 32.336 ng
 RT: 7.99 min Scan# 1004
 Delta R.T. 0.00 min
 Lab File: BF101178.D
 Acq: 6 Dec 2017 19:59

Instrument :
 BNA_F
 ClientSampleId :
 88-20-90-20MS

Tot Ion	Ratio	Lower	Upper
162	100		
164	63.8	42.7	82.7
98	34.6	18.1	58.1

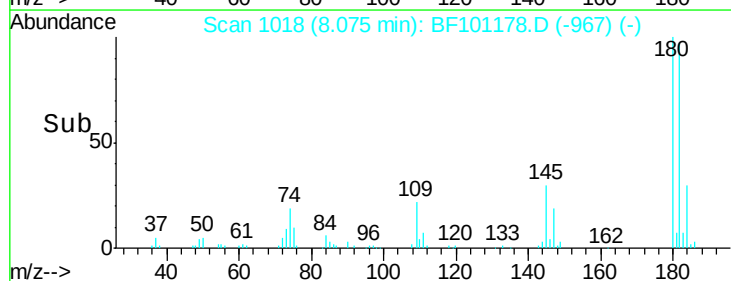
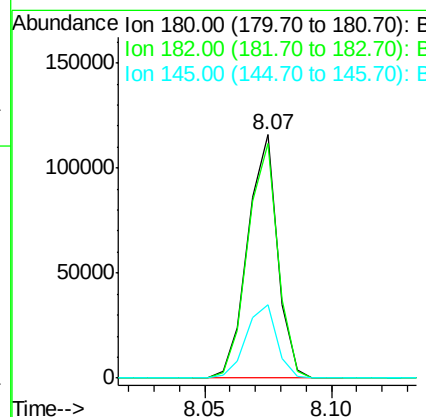
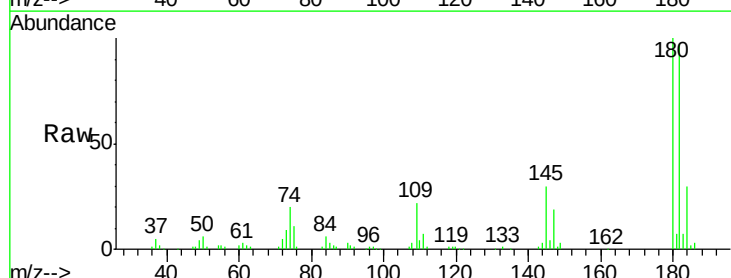
Manual Integrations
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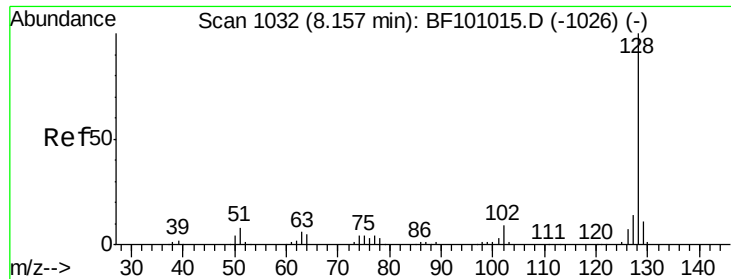
Sohil
 12/7/2017 11:35:58 AM



#30
 1,2,4-Trichlorobenzene
 Concen: 32.478 ng
 RT: 8.07 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: BF101178.D
 Acq: 6 Dec 2017 19:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.8	115.2
145	29.9	26.5	39.7





#31

Naphthalene

Concen: 30.472 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

Instrument :

BNA_F

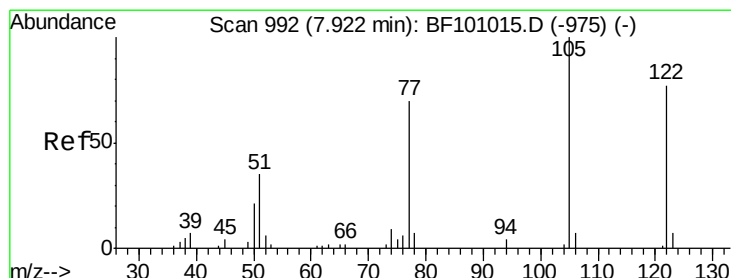
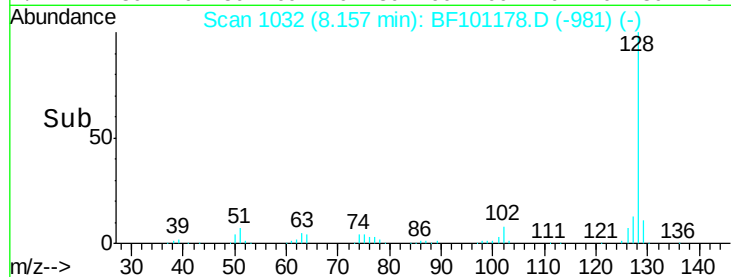
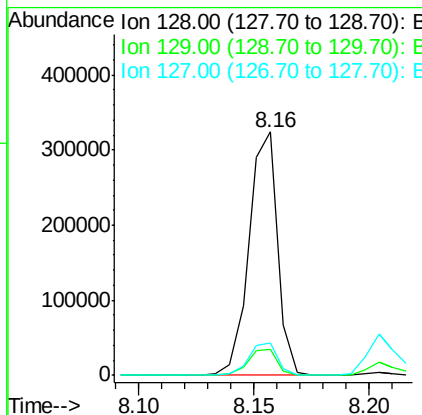
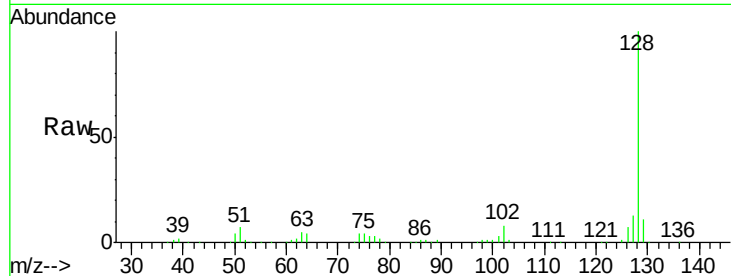
ClientSampleId :

88-20-90-20MS

Tot Ion:	128	Resp:	281008
Ion Ratio	Lower	Upper	
128	100		
129	10.7	8.8	13.2
127	13.3	10.9	16.3

Manual Integrations
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#32

Benzoic acid

Concen: 15.860 ng

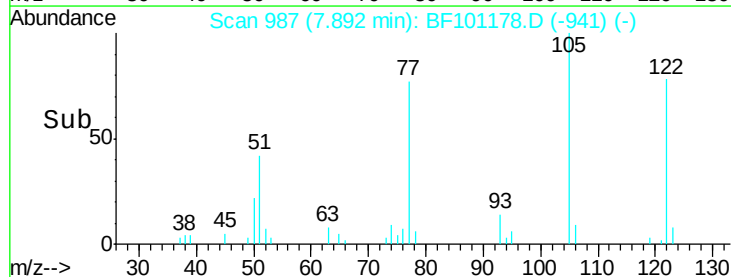
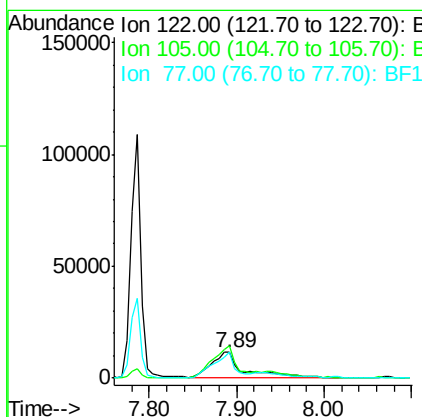
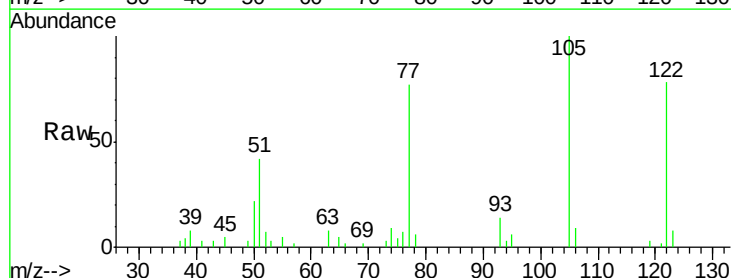
RT: 7.89 min Scan# 987

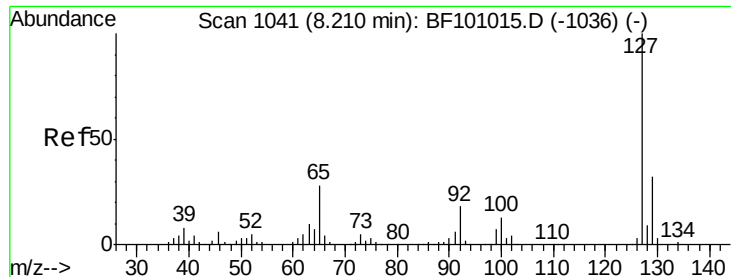
Delta R.T. -0.03 min

Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

Tgt Ion:	122	Resp:	30114
Ion Ratio	Lower	Upper	
122	100		
105	128.0	101.1	141.1
77	99.1	70.7	110.7





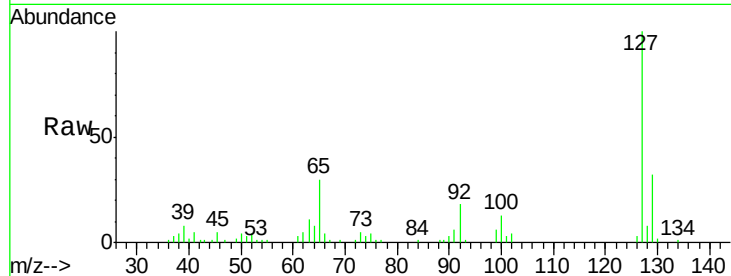
#33
4-Chloroaniline
Concen: 14.801 ng
RT: 8.20 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Instrument :
BNA_F
ClientSampleId :
88-20-90-20MS

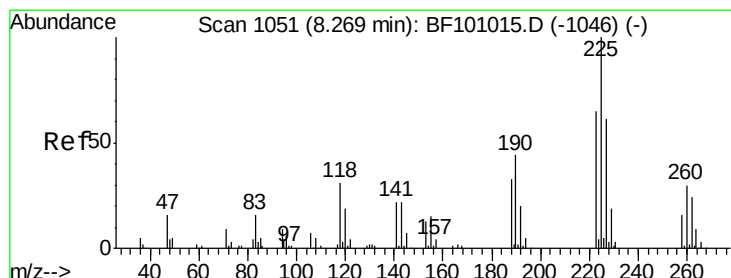
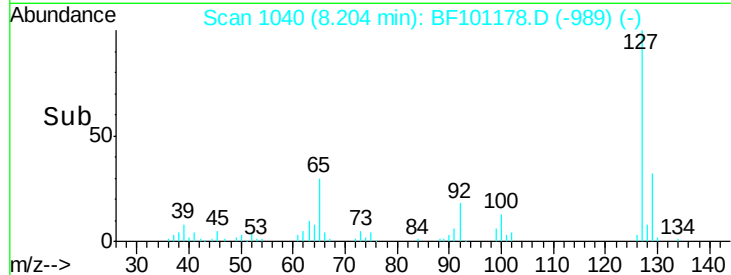
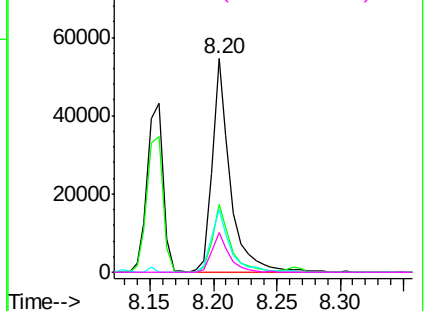
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.5	25.9	38.9		
65	29.7	25.0	37.4		
92	18.3	15.2	22.8		

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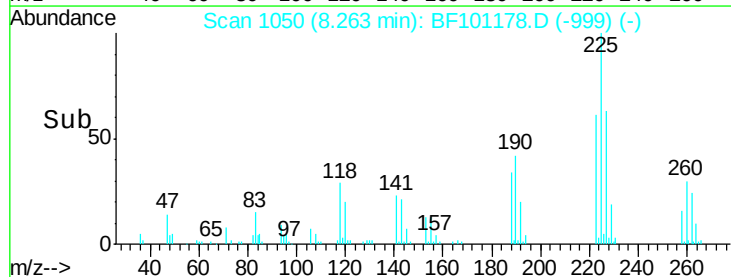
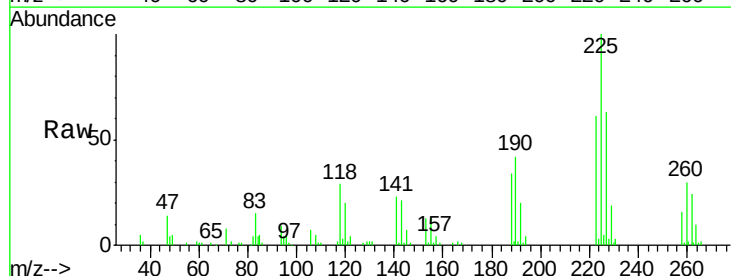
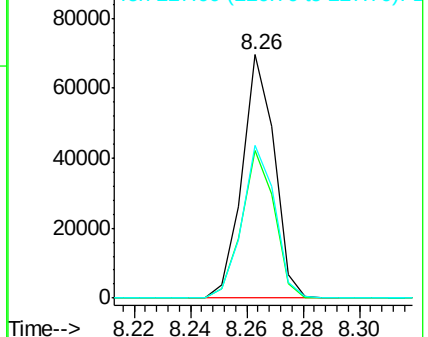
Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

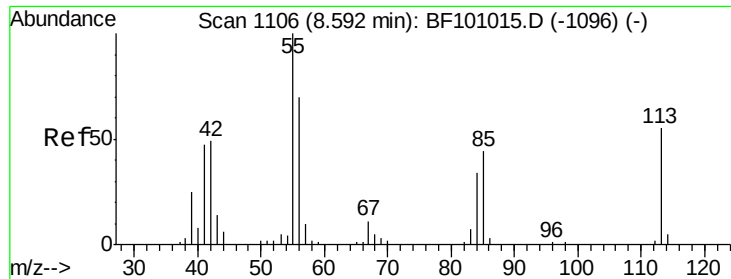


#34
Hexachlorobutadiene
Concen: 30.618 ng
RT: 8.26 min Scan# 1050
Delta R.T. 0.00 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	60.5	50.6	76.0		
227	62.7	51.9	77.9		

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





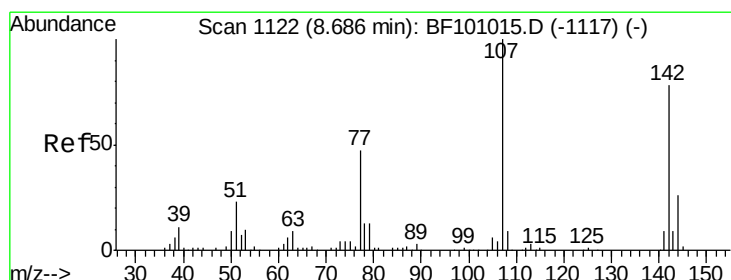
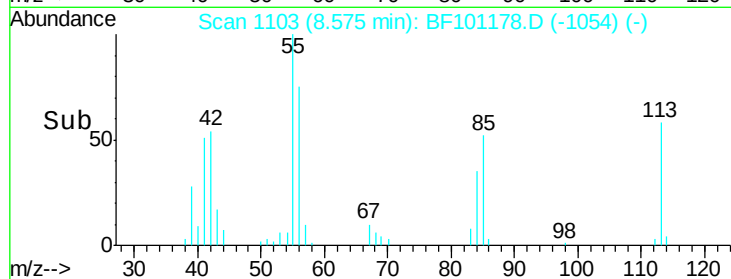
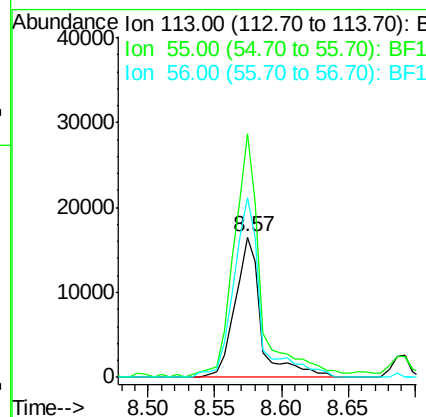
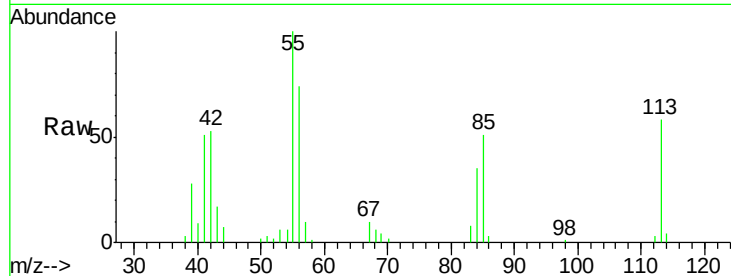
#35
 Caprolactam
 Concen: 27.632 ng
 RT: 8.57 min Scan# 1103
 Delta R.T. -0.01 min
 Lab File: BF101178.D
 Acq: 6 Dec 2017 19:59

Instrument :
 BNA_F
 ClientSampleId :
 88-20-90-20MS

Tot Ion	Ratio	Lower	Upper
113	100		
55	173.3	163.3	203.3
56	127.5	115.7	155.7

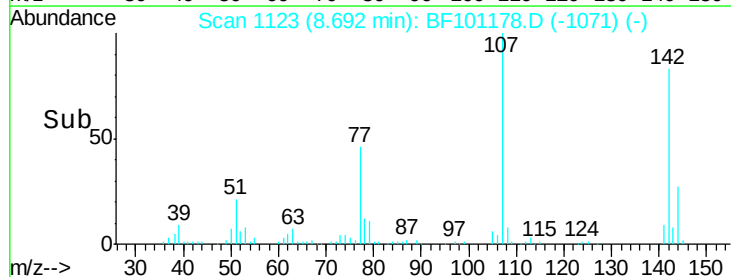
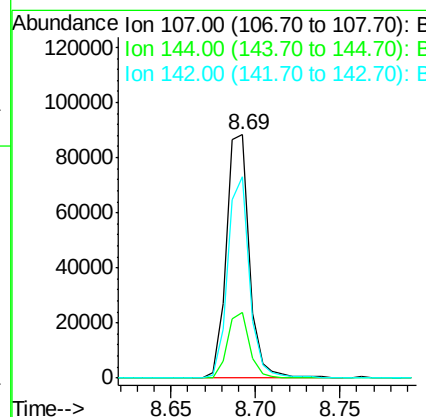
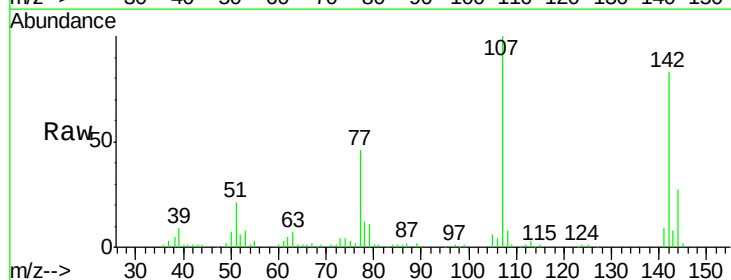
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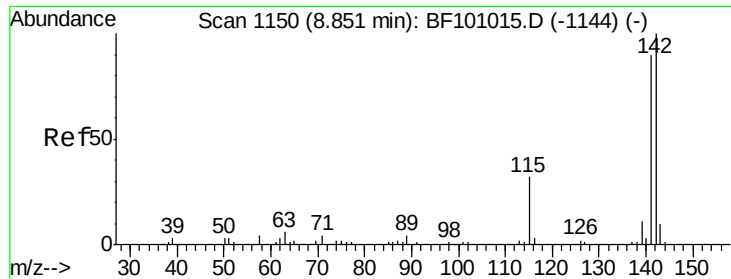
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#36
 4-Chloro-3-methylphenol
 Concen: 30.670 ng
 RT: 8.69 min Scan# 1123
 Delta R.T. 0.01 min
 Lab File: BF101178.D
 Acq: 6 Dec 2017 19:59

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.1	20.5	30.7
142	82.9	62.0	93.0





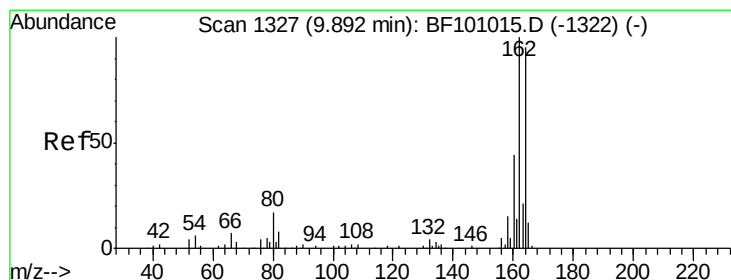
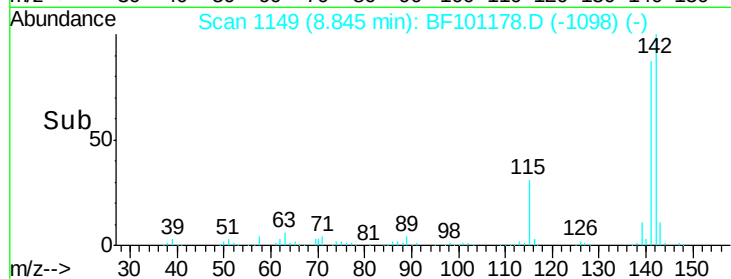
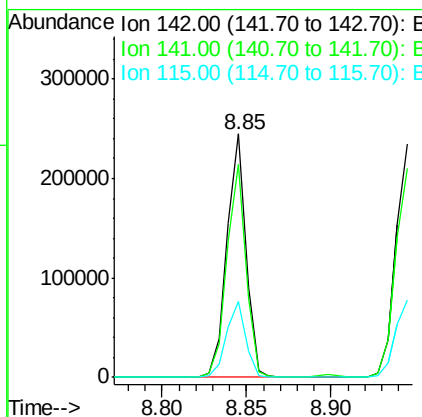
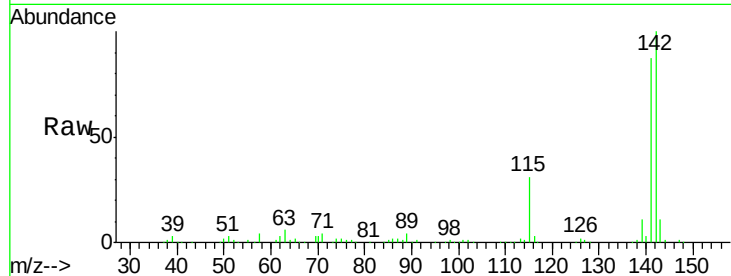
#37
2-Methylnaphthalene
Concen: 30.755 ng
RT: 8.85 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Instrument :
BNA_F
ClientSampleId :
88-20-90-20MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.8	106.2
115	31.2	26.1	39.1

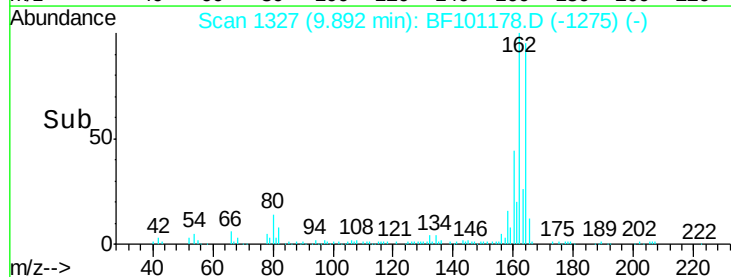
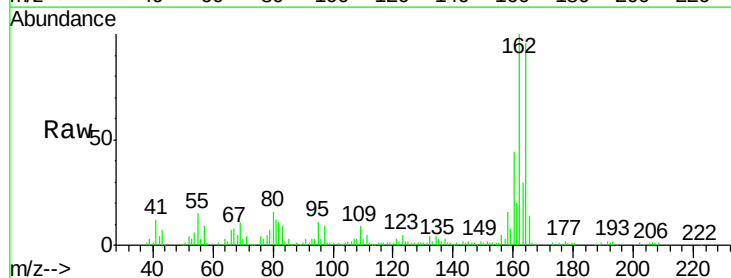
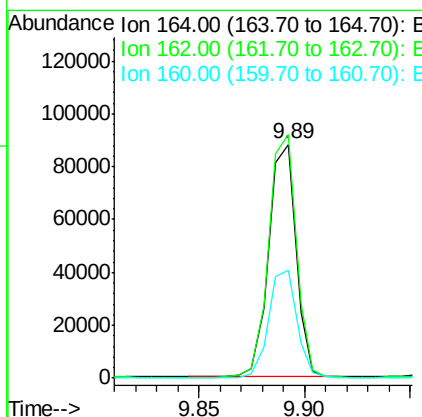
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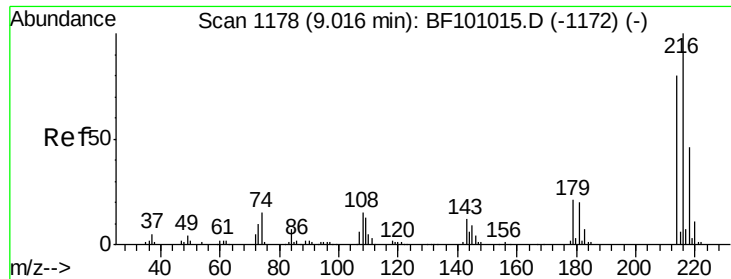
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	86.1	129.1
160	46.2	38.3	57.5





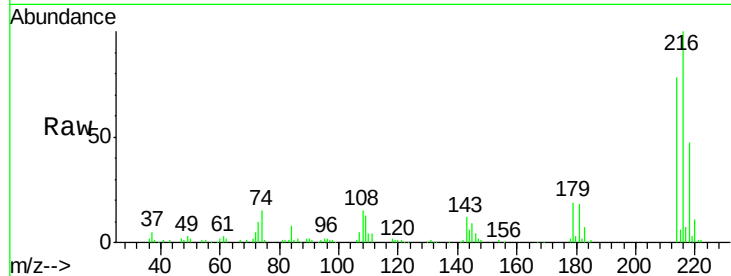
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 30.217 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: BF101178.D
 Acq: 6 Dec 2017 19:59

Instrument :
 BNA_F
 ClientSampleId :
 88-20-90-20MS

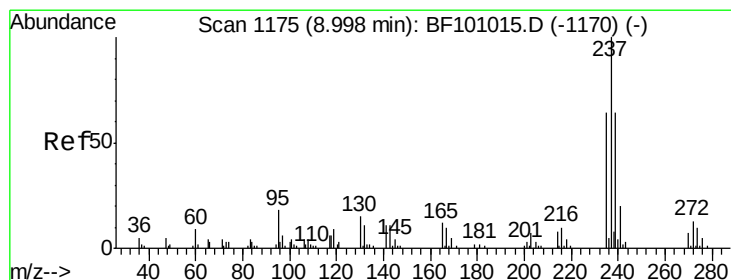
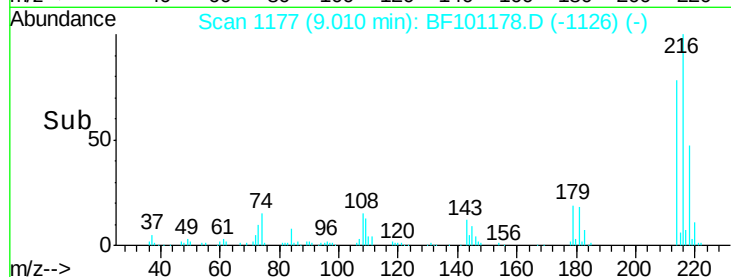
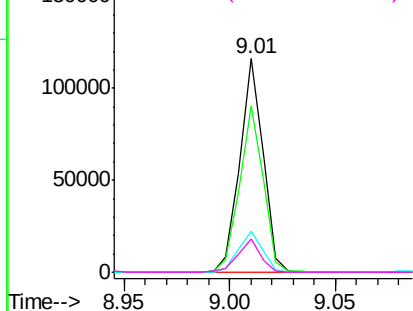
Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		87931		
214	79.2	63.0	94.4		
179	20.0	18.1	27.1		
108	15.0	17.2	25.8		

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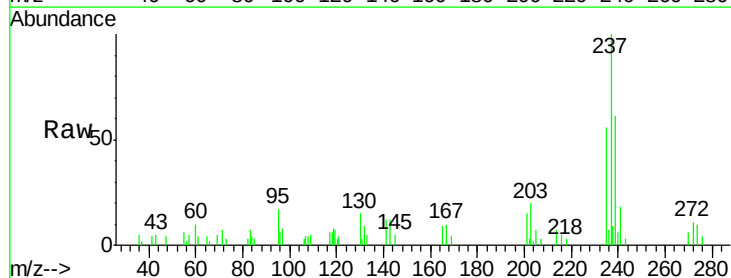


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

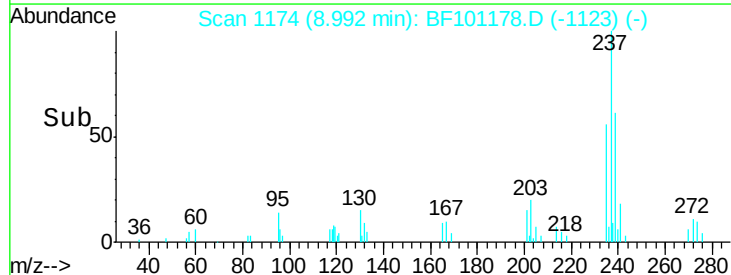
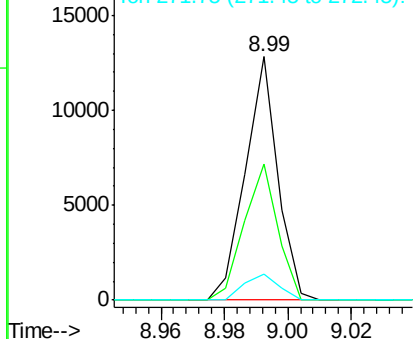


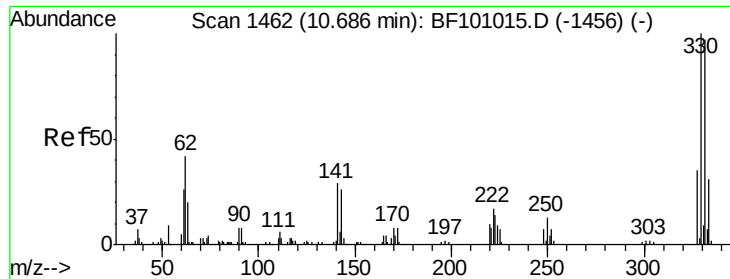
#40
 Hexachlorocyclopentadiene
 Concen: 15.853 ng
 RT: 8.99 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: BF101178.D
 Acq: 6 Dec 2017 19:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		9074		
235	56.2	44.8	84.8		
272	10.5	0.0	33.3		



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





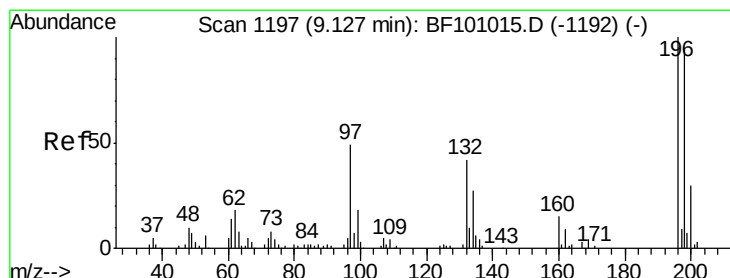
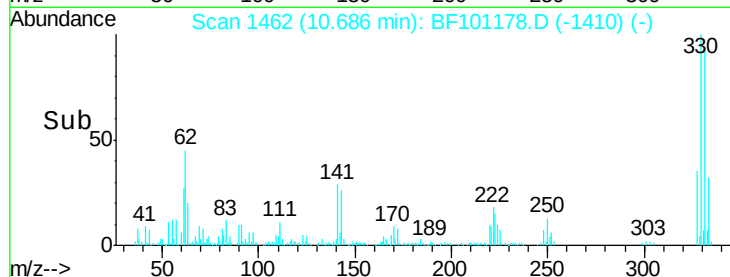
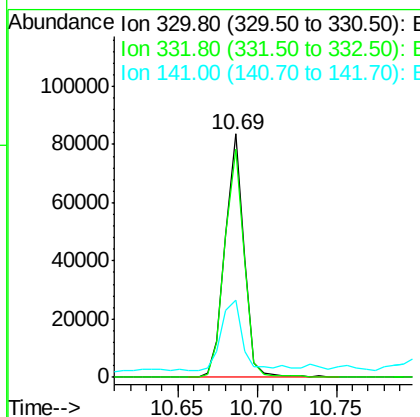
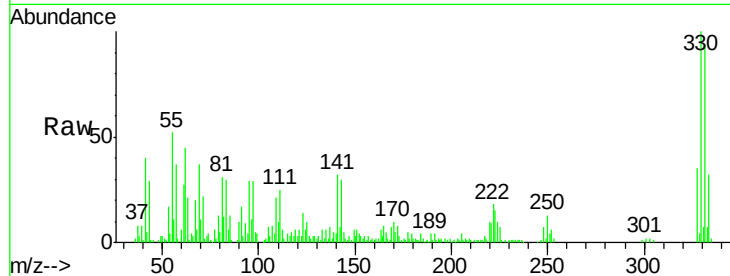
#41
 2,4,6-Tribromophenol
 Concen: 72.211 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. 0.01 min
 Lab File: BF101178.D
 Acq: 6 Dec 2017 19:59

Instrument :
 BNA_F
 ClientSampleId :
 88-20-90-20MS

Tot Ion	Ratio	Resp	Lower	Upper
330	100	69487		
332	95.8	77.0	115.6	
141	31.8	29.9	44.9	

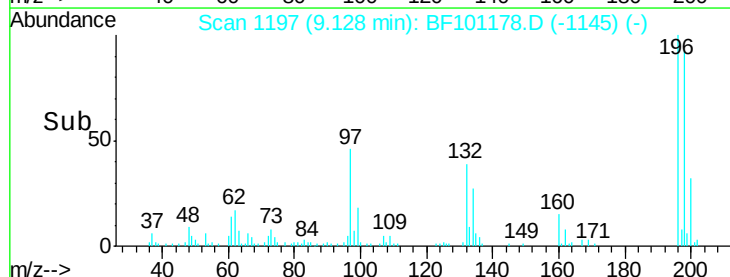
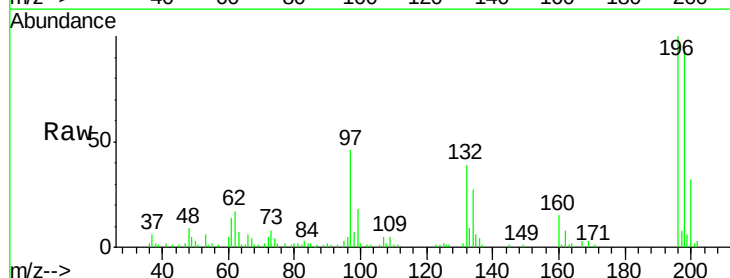
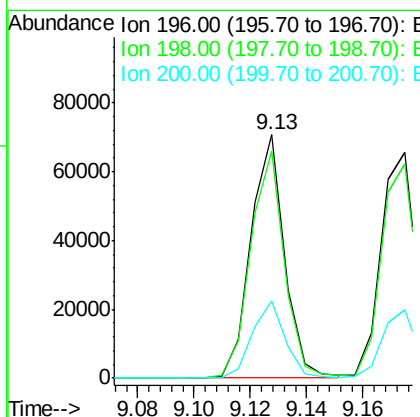
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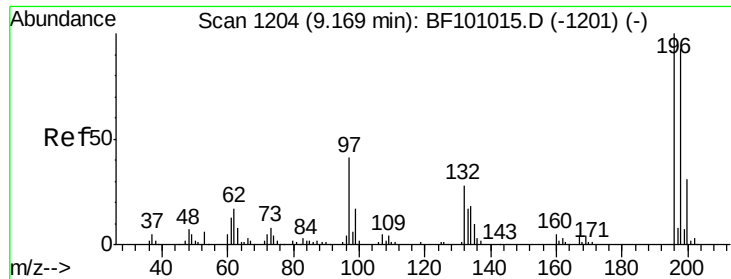
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#42
 2,4,6-Trichlorophenol
 Concen: 34.244 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: BF101178.D
 Acq: 6 Dec 2017 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	58416		
198	93.4	75.7	113.5	
200	31.7	24.5	36.7	





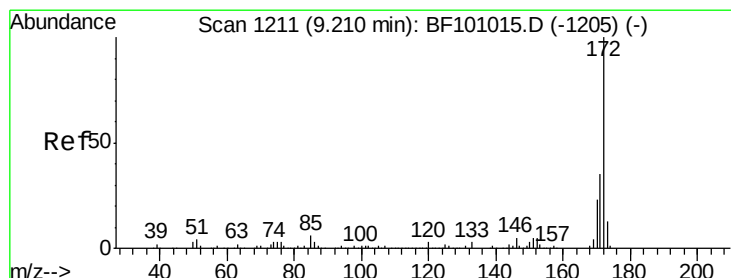
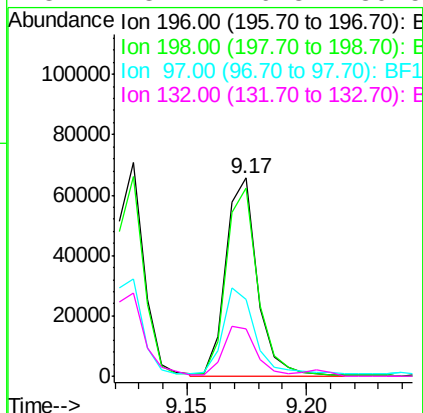
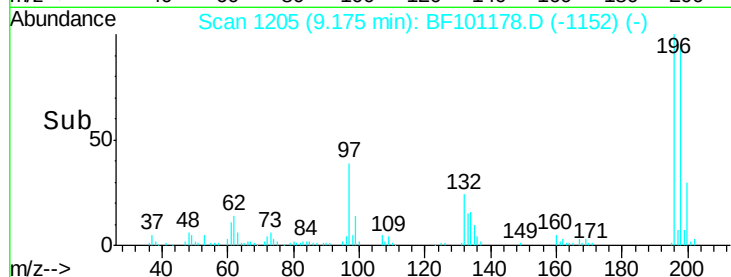
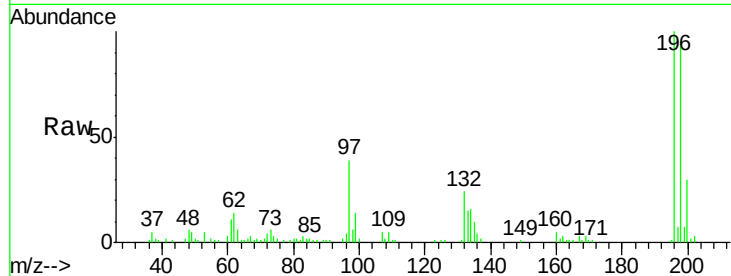
#43
 2,4,5-Trichlorophenol
 Concen: 33.432 ng/mL
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.01 min
 Lab File: BF101178.D
 Acq: 6 Dec 2017 19:59

Instrument :
 BNA_F
 ClientSampleId :
 88-20-90-20MS

Tot Ion	Ratio	Lower	Upper
196	100		
198	94.7	74.6	112.0
97	38.8	42.9	64.3
132	23.7	26.3	39.5

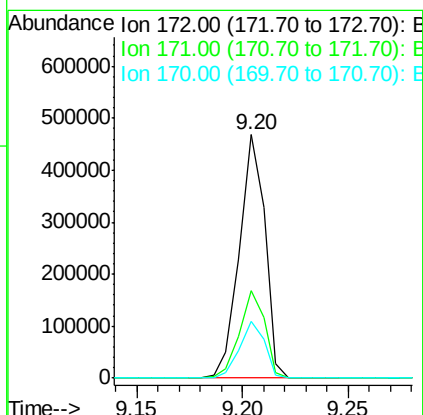
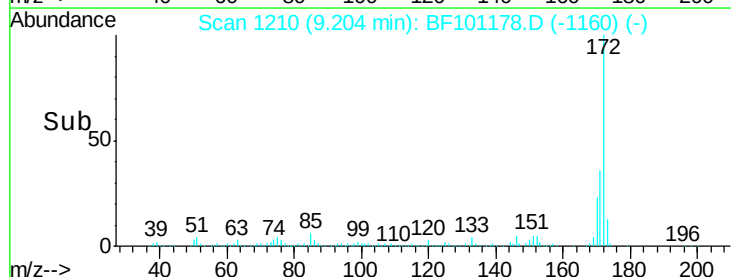
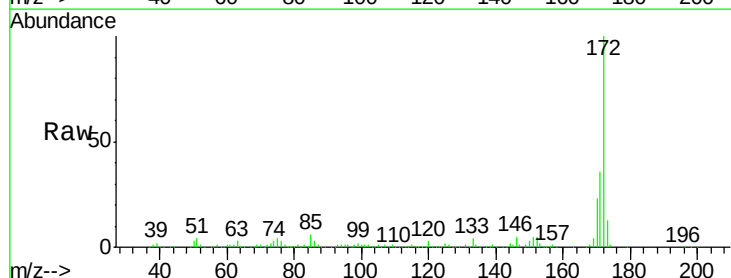
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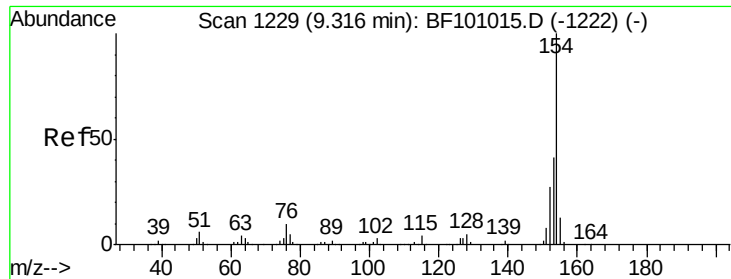
Sohil
 12/7/2017 11:35:58 AM



#44
 2-Fluorobiphenyl
 Concen: 67.019 ng/mL
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF101178.D
 Acq: 6 Dec 2017 19:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.2	19.6	29.4





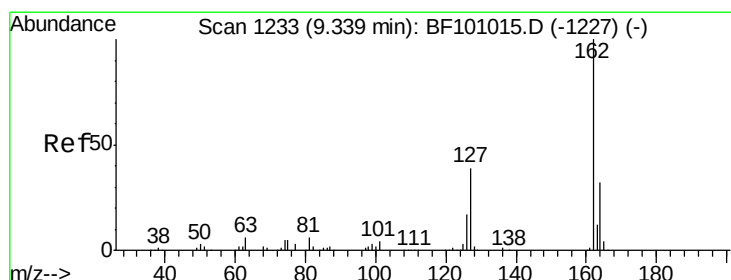
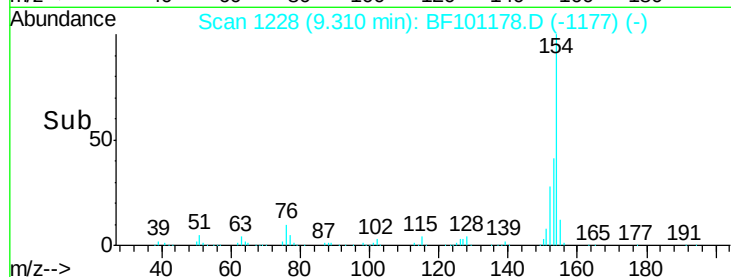
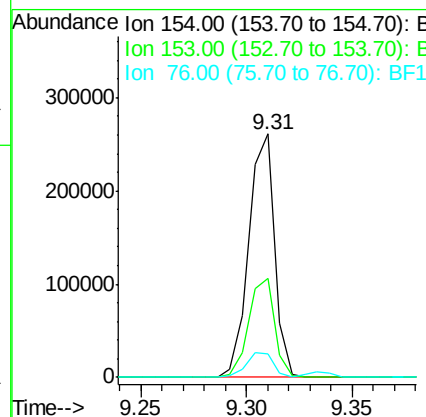
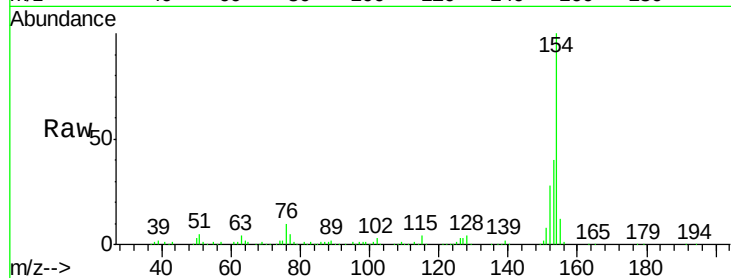
#45
 1,1'-Biphenyl
 Concen: 30.172 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: BF101178.D
 Acq: 6 Dec 2017 19:59

Instrument :
 BNA_F
 ClientSampleId :
 88-20-90-20MS

Tot Ion:	154	Resp:	221433
Ion Ratio	Lower	Upper	
154	100		
153	40.5	21.3	61.3
76	9.6	0.0	34.0

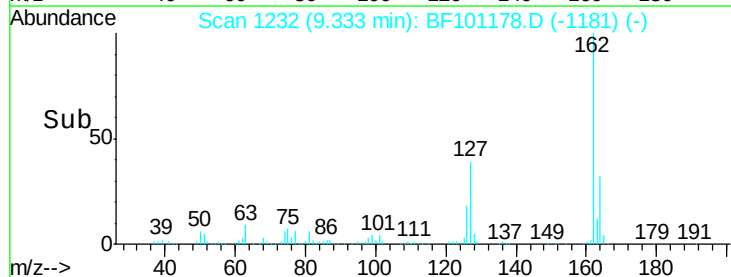
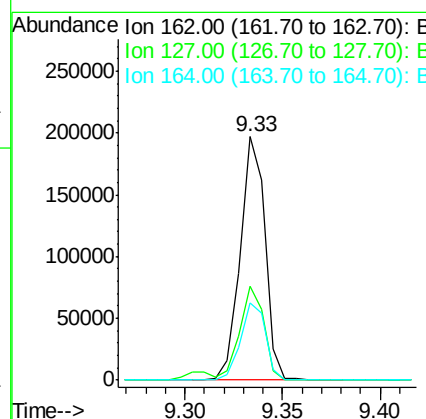
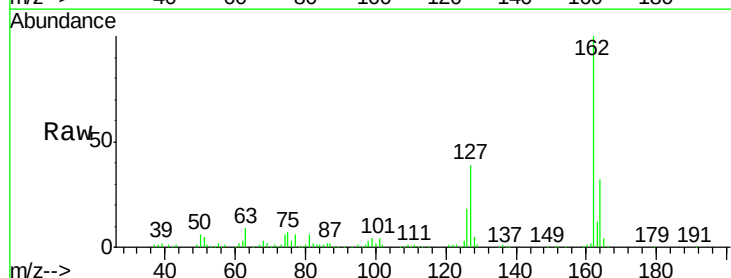
Manual Integrations
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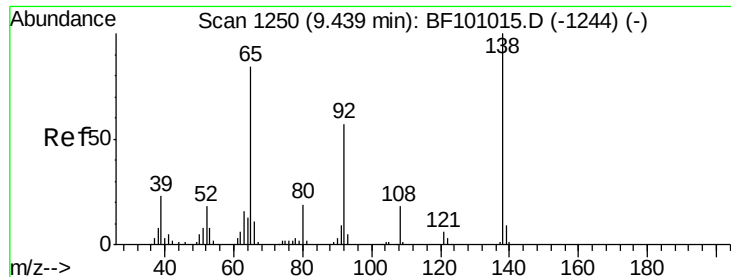
Sohil
 12/7/2017 11:35:58 AM



#46
 2-Chloronaphthalene
 Concen: 33.224 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: BF101178.D
 Acq: 6 Dec 2017 19:59

Tgt Ion:	162	Resp:	173166
Ion Ratio	Lower	Upper	
162	100		
127	38.5	33.9	50.9
164	31.7	26.5	39.7





#47

2-Nitroaniline

Concen: 34.818 ng

RT: 9.43 min Scan# 1249

Delta R.T. 0.00 min

Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

Instrument :

BNA_F

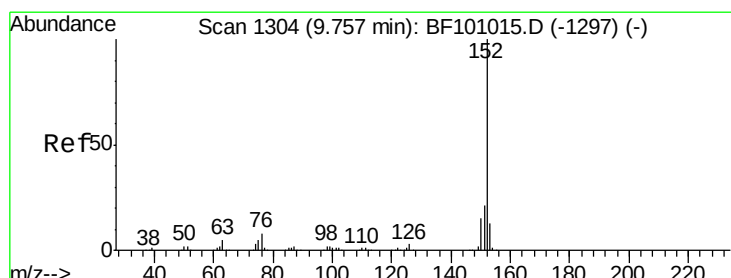
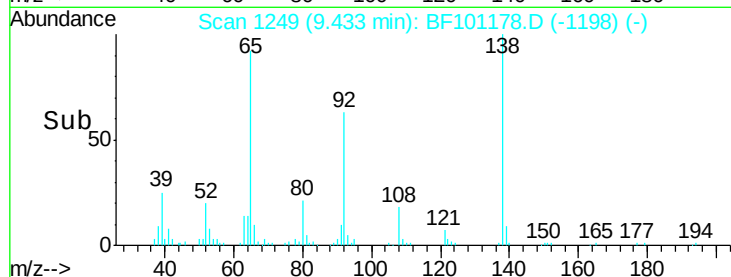
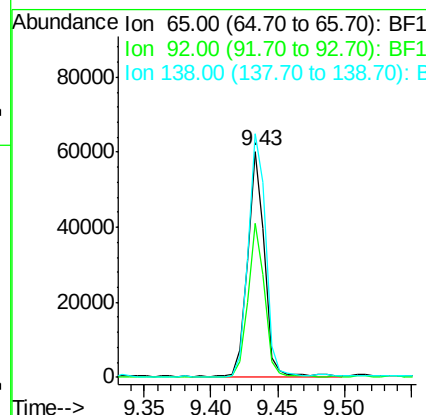
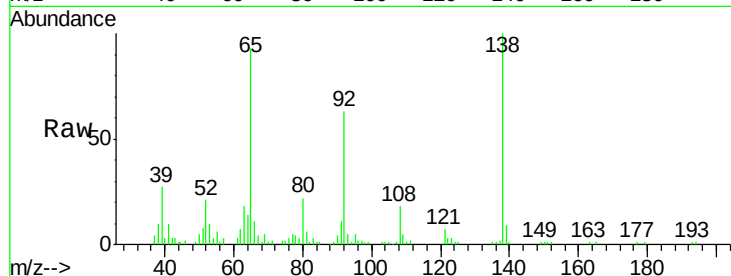
ClientSampleId :

88-20-90-20MS

Tot Ion:	65	Resp:	53692
Ion Ratio	Lower	Upper	
65	100		
92	68.2	55.8	83.6
138	107.8	91.2	136.8

Manual Integrations
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#48

Acenaphthylene

Concen: 29.182 ng

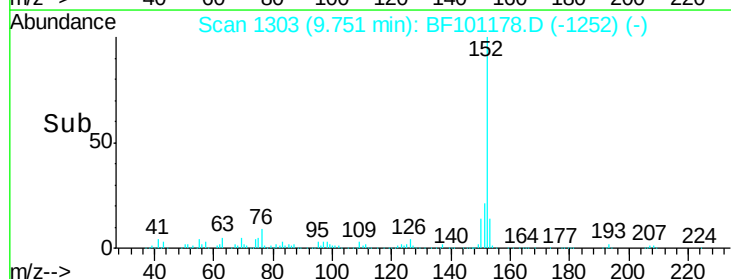
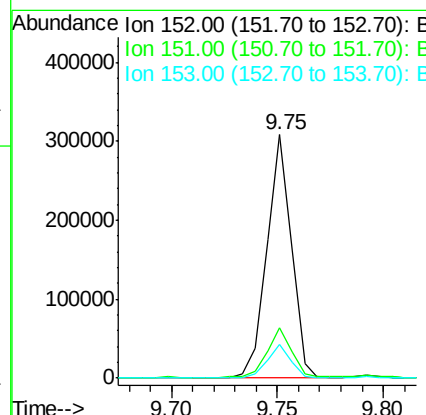
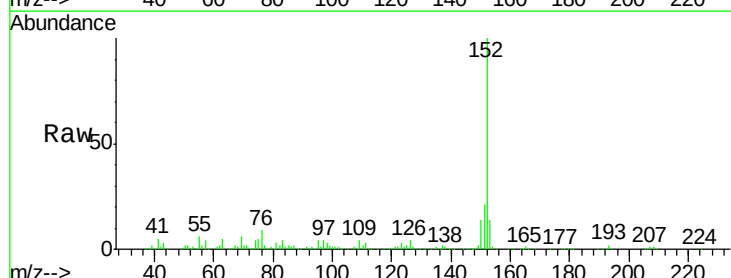
RT: 9.75 min Scan# 1303

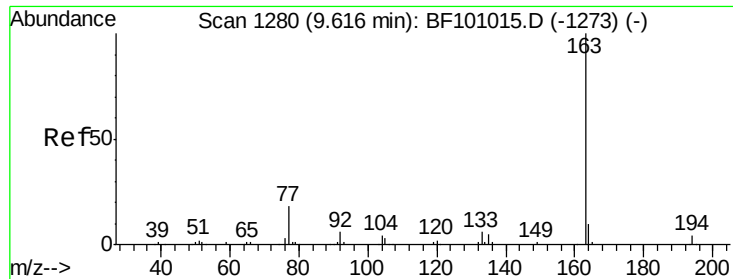
Delta R.T. 0.00 min

Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

Tgt Ion:	152	Resp:	249960
Ion Ratio	Lower	Upper	
152	100		
151	20.9	16.3	24.5
153	13.9	10.7	16.1





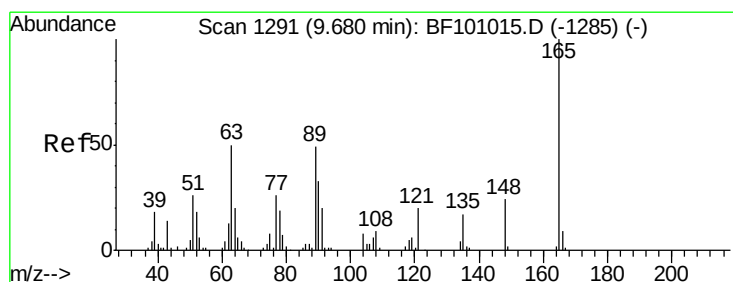
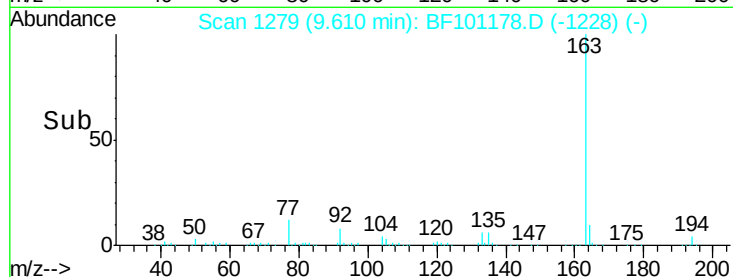
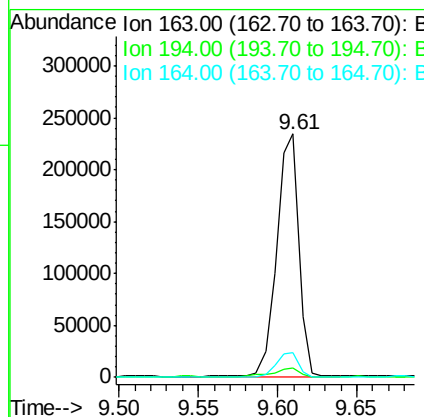
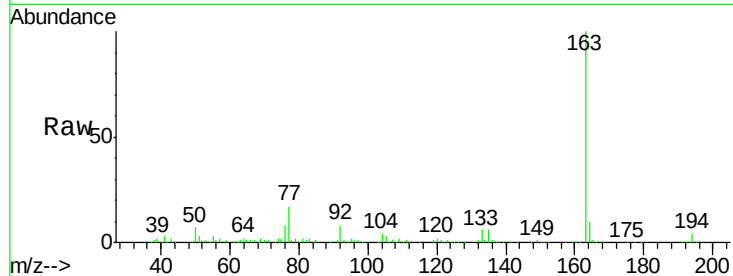
#49
Dimethylphthalate
Concen: 35.123 ng
RT: 9.61 min Scan# 1279
Delta R.T. 0.00 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Instrument :
BNA_F
ClientSampleId :
88-20-90-20MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		226903		
194	4.0		2.7	4.1	
164	9.9		8.2	12.2	

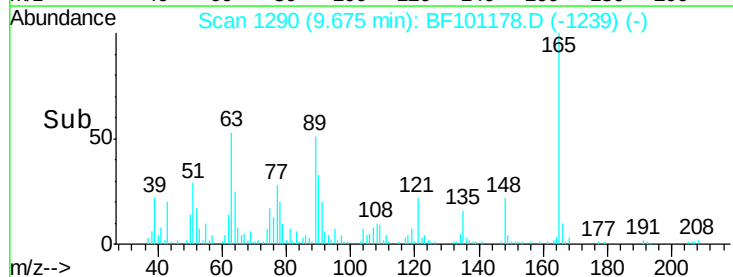
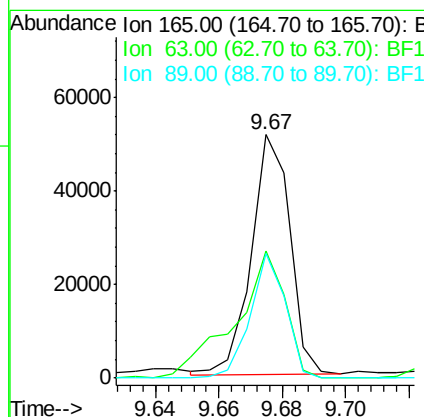
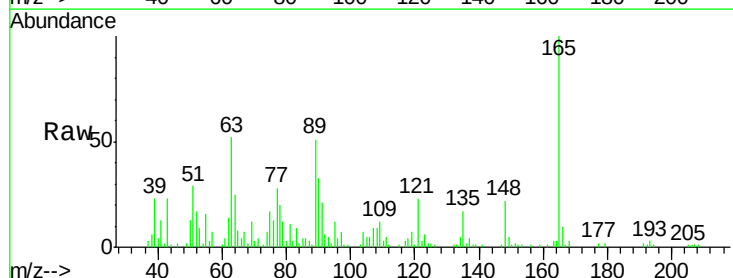
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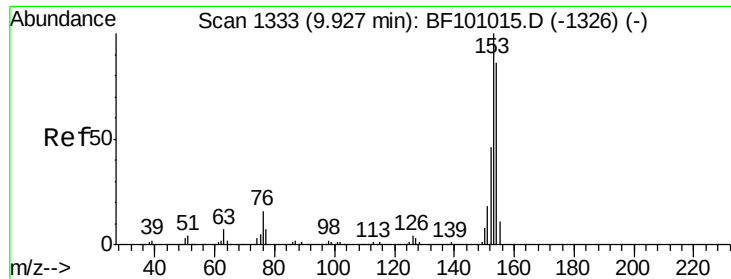
Sohil
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#50
2,6-Dinitrotoluene
Concen: 31.780 ng
RT: 9.67 min Scan# 1290
Delta R.T. 0.00 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
165	100		43242		
63	52.2		44.7	67.1	
89	51.0		44.0	66.0	





#51

Acenaphthene

Concen: 28.514 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.00 min

Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

Instrument :

BNA_F

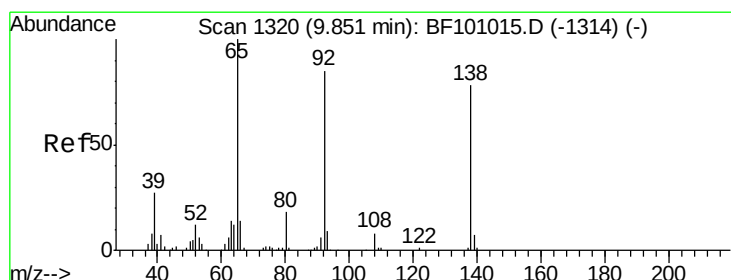
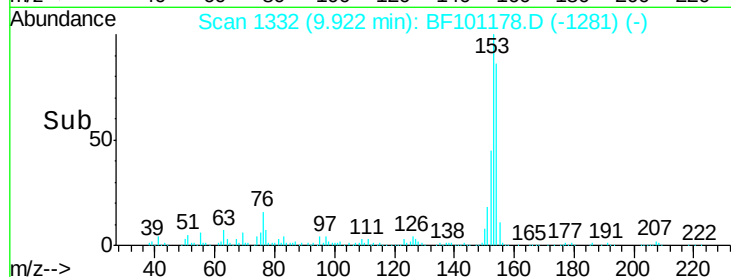
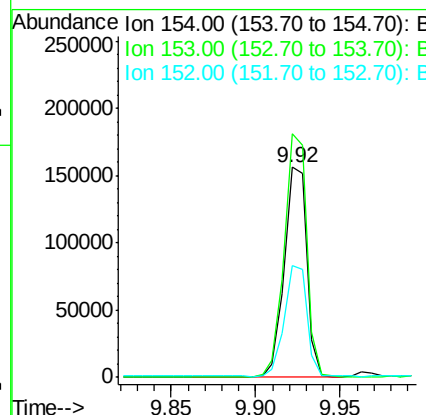
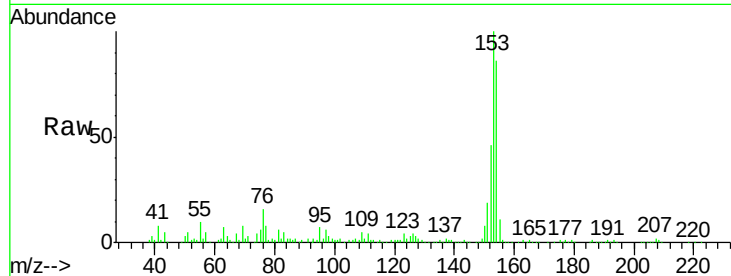
ClientSampleId :

88-20-90-20MS

Tot Ion:	154	Resp:	146249
Ion Ratio	Lower	Upper	
154	100		
153	116.0	91.2	136.8
152	53.0	43.8	65.8

Manual Integrations
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#52

3-Nitroaniline

Concen: 27.870 ng

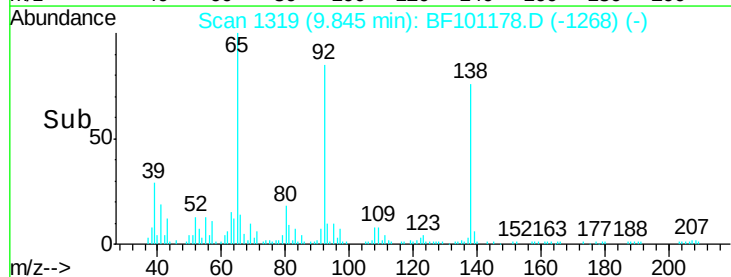
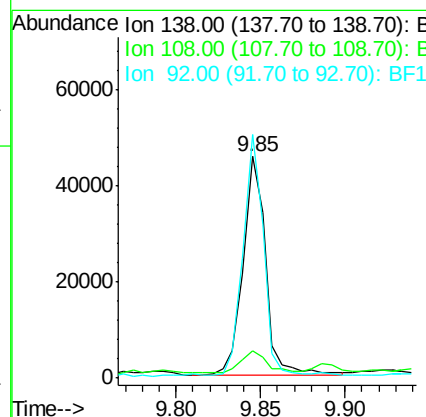
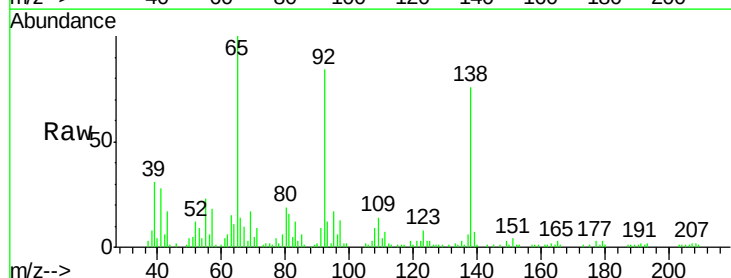
RT: 9.85 min Scan# 1319

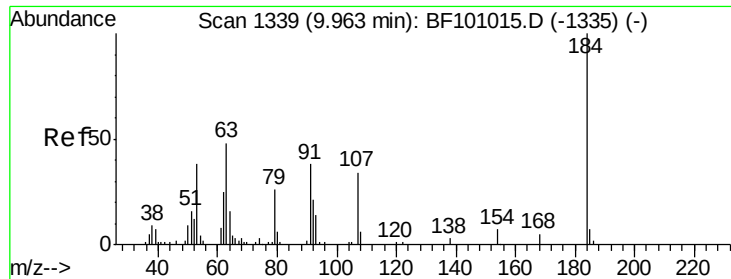
Delta R.T. 0.00 min

Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

Tgt Ion:	138	Resp:	42646
Ion Ratio	Lower	Upper	
138	100		
108	12.1	9.4	14.0
92	109.8	89.4	134.2





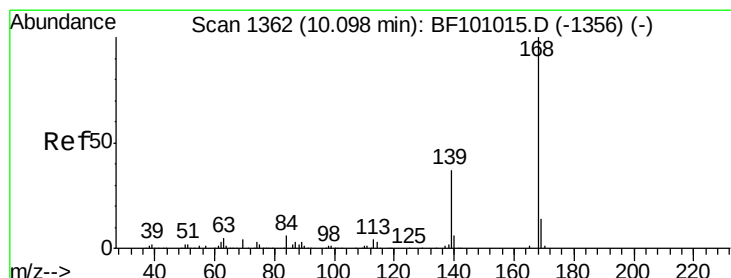
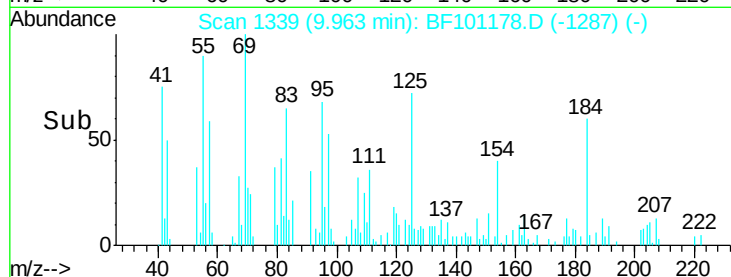
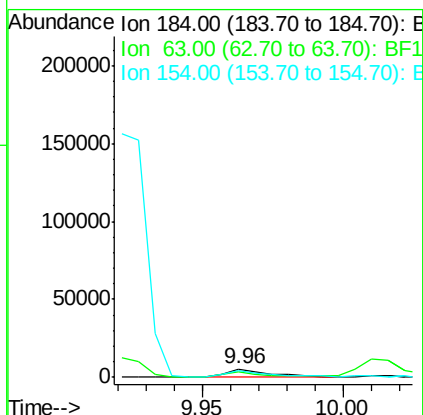
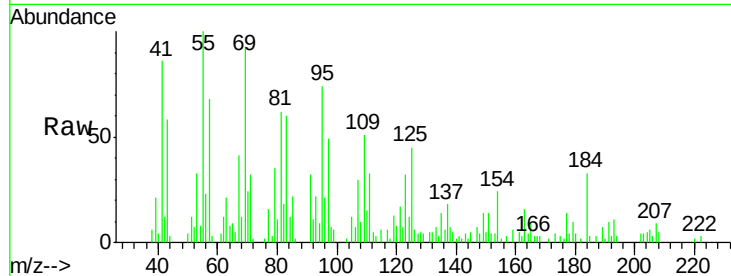
#53
2,4-Dinitrophenol
Concen: 12.662 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.01 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Instrument :
BNA_F
ClientSampleId :
88-20-90-20MS

Tot Ion	Ratio	Lower	Upper
184	100		
63	64.4	54.2	81.2
154	73.6	184.0	276.0#

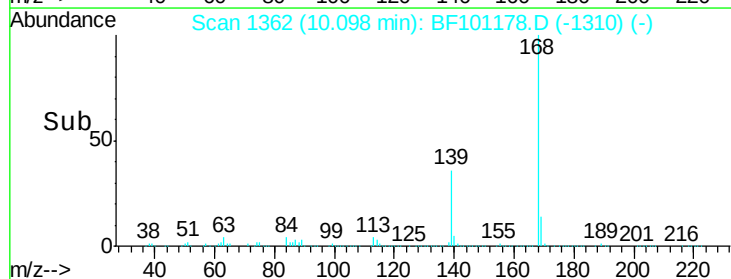
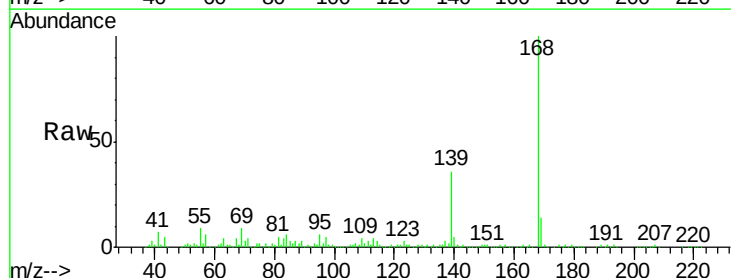
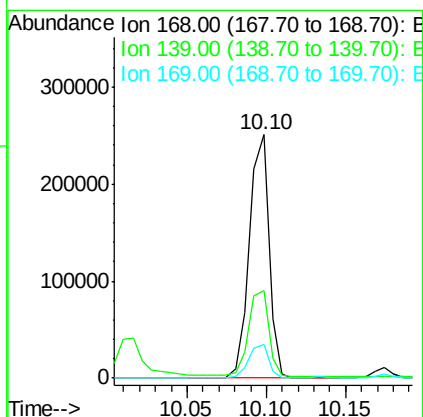
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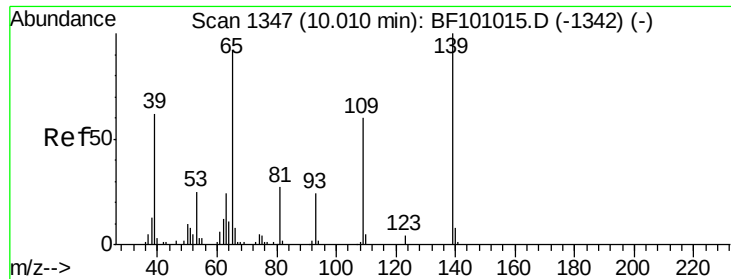
Sohil
12/7/2017 11:35:58 AM



#54
Dibenzofuran
Concen: 29.240 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.01 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.1	30.1	45.1
169	13.9	10.9	16.3





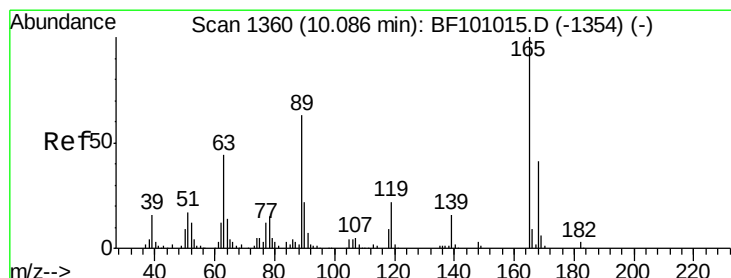
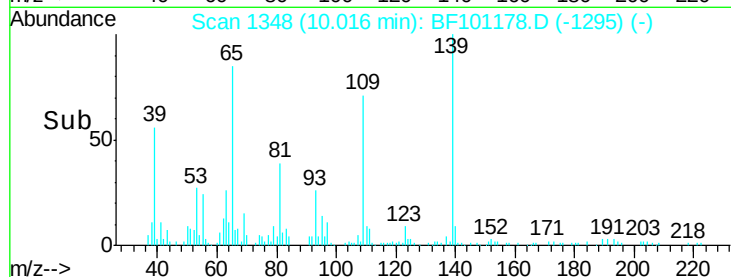
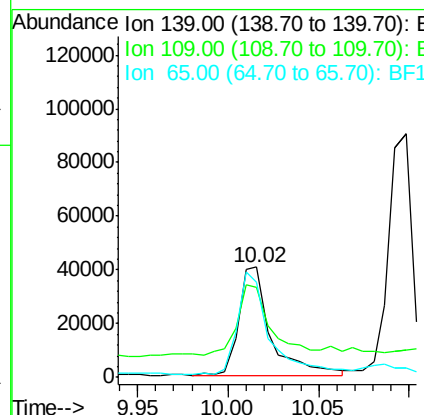
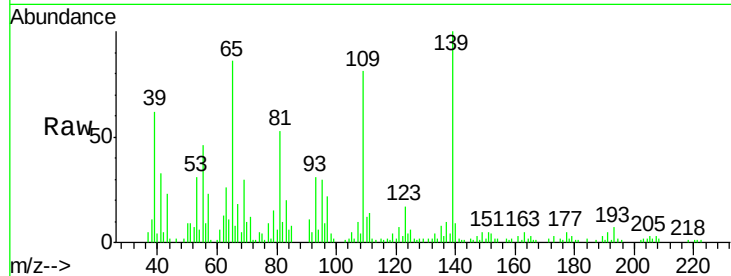
#55
4-Nitrophenol
Concen: 47.830 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.01 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Instrument :
BNA_F
ClientSampleId :
88-20-90-20MS

Tot Ion	Ratio	Lower	Upper
139	100		
109	81.0	48.4	88.4
65	86.3	72.6	112.6

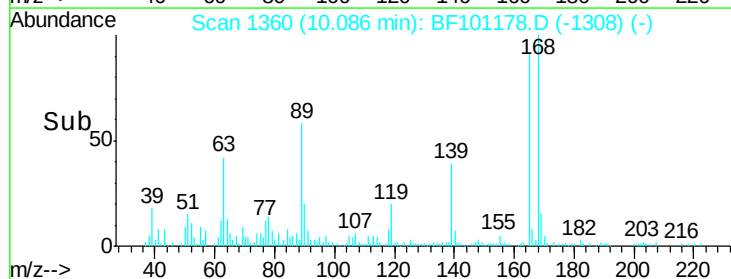
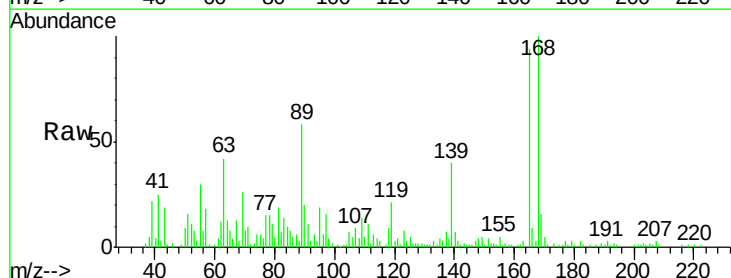
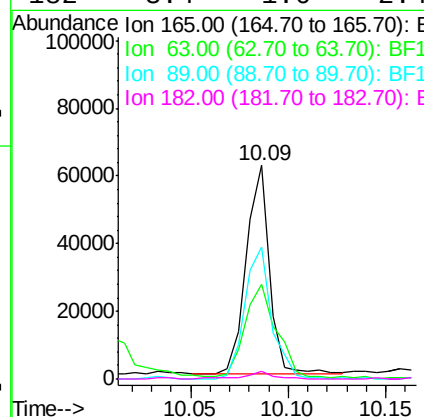
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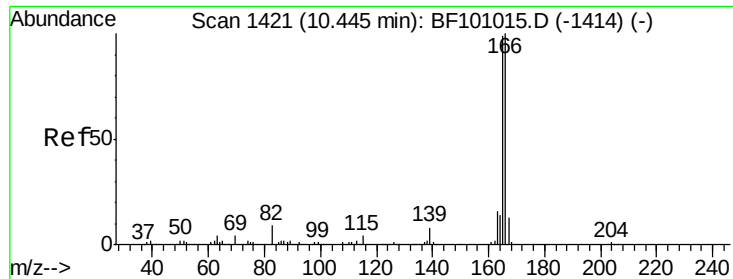
Sohil
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#56
2,4-Dinitrotoluene
Concen: 28.235 ng
RT: 10.09 min Scan# 1360
Delta R.T. 0.01 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	44.2	36.4	54.6
89	61.6	57.8	86.6
182	3.4	1.6	2.4#





#57

Fluorene

Concen: 27.342 ng

RT: 10.44 min Scan# 1420

Delta R.T. 0.00 min

Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

Instrument :

BNA_F

ClientSampleId :

88-20-90-20MS

Tot Ion:166 Resp: 164286

Ion Ratio Lower Upper

166 100

165 98.4 79.8 119.8

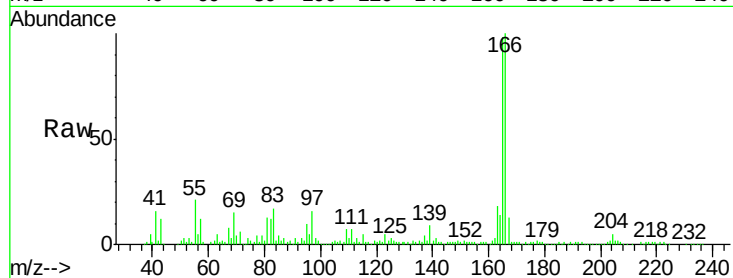
167 13.2 10.6 16.0

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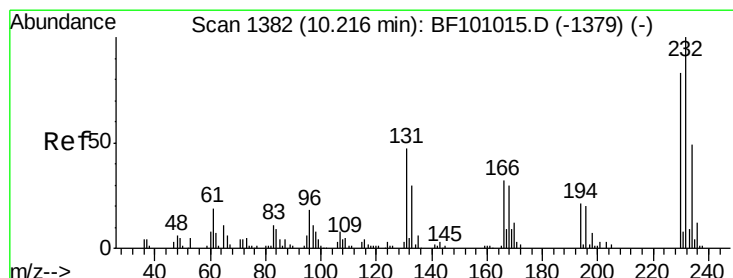
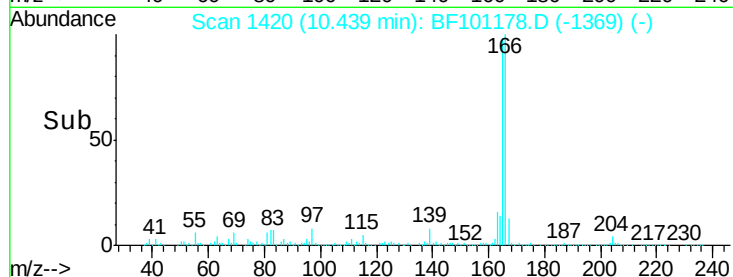
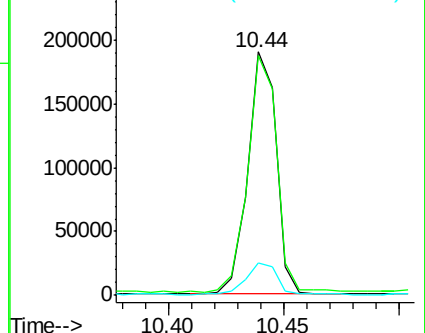
12/7/2017 11:35:58 AM



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: 28.638 ng

RT: 10.22 min Scan# 1382

Delta R.T. 0.00 min

Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

Tgt Ion:232 Resp: 41817

Ion Ratio Lower Upper

232 100

131 43.8 43.8 65.8#

130 2.9 2.1 3.1

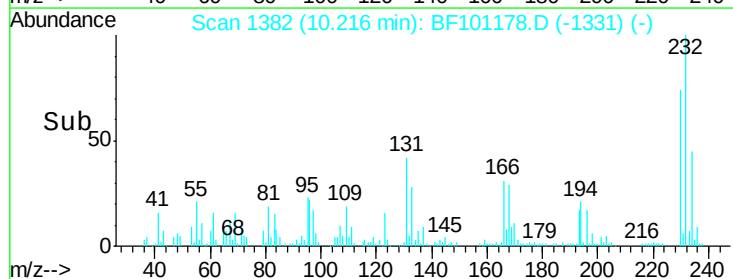
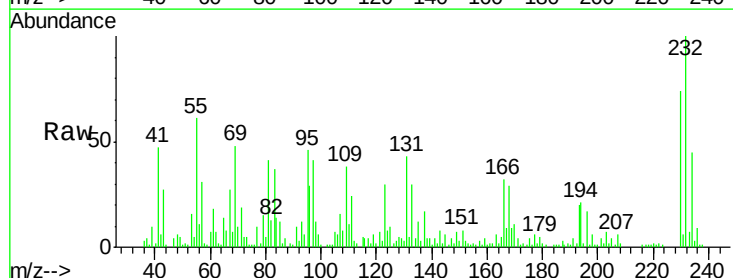
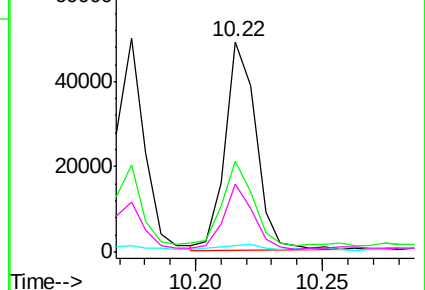
166 28.1 27.8 41.6

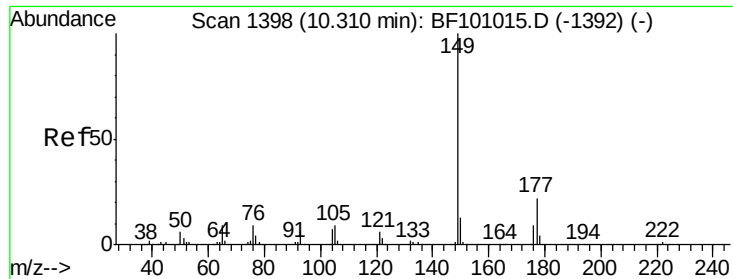
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 29.629 ng

RT: 10.31 min Scan# 1398

Delta R.T. 0.01 min

Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

Instrument :

BNA_F

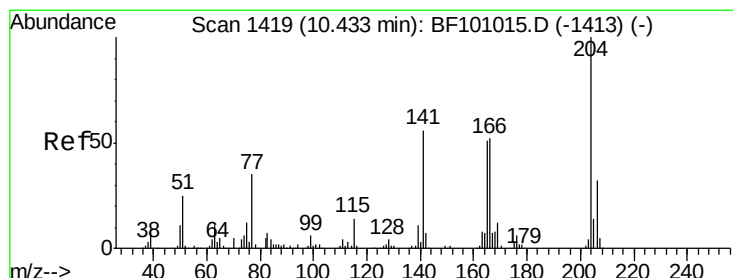
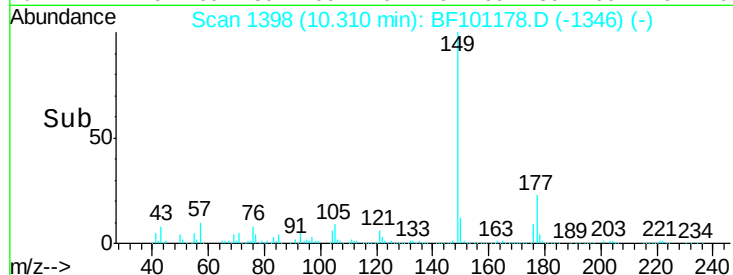
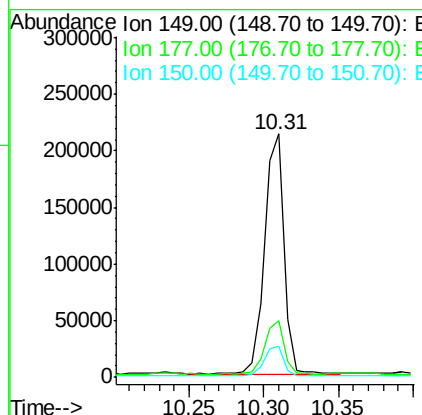
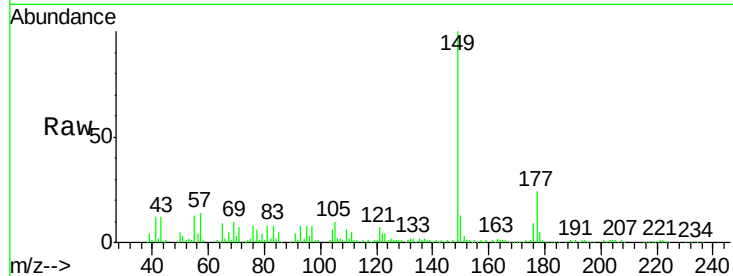
ClientSampleId :

88-20-90-20MS

Tot Ion:	149	Resp:	188797
Ion Ratio	Lower	Upper	
149	100		
177	23.5	16.1	24.1
150	12.6	10.1	15.1

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#60

4-Chlorophenyl-phenylether

Concen: 28.055 ng

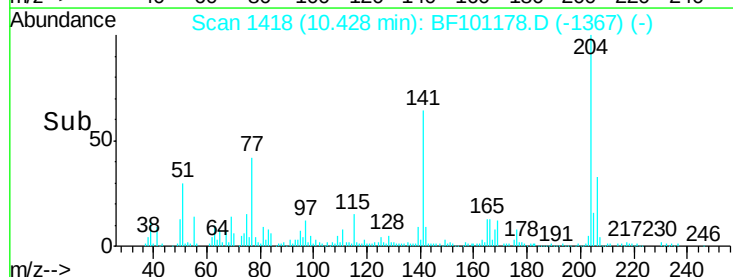
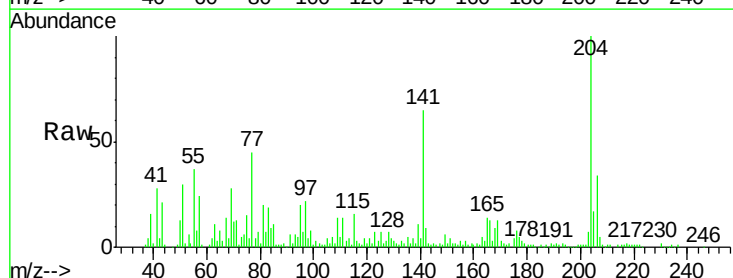
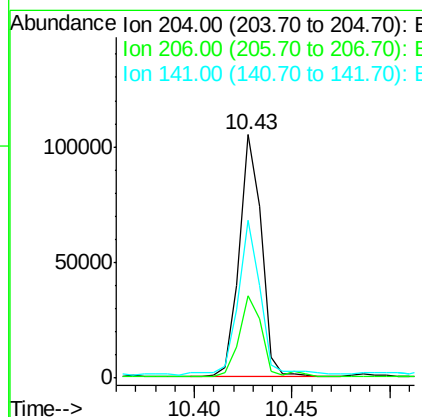
RT: 10.43 min Scan# 1418

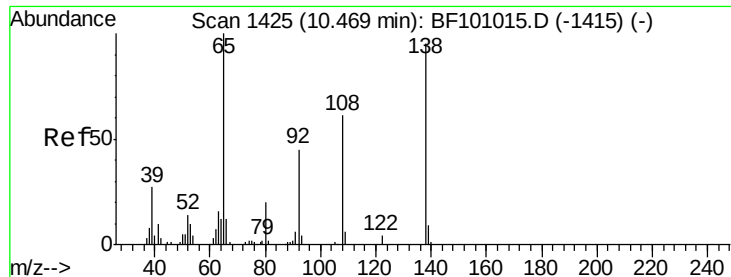
Delta R.T. 0.00 min

Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

Tgt Ion:	204	Resp:	83229
Ion Ratio	Lower	Upper	
204	100		
206	33.6	26.5	39.7
141	64.9	54.6	81.8





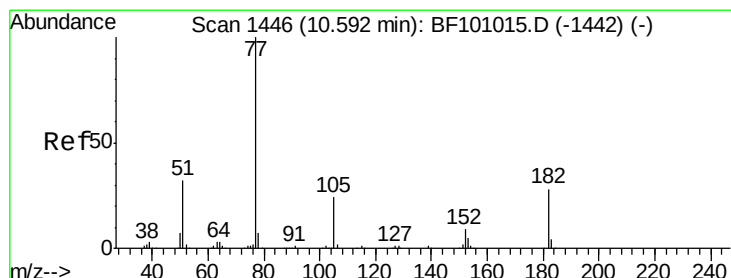
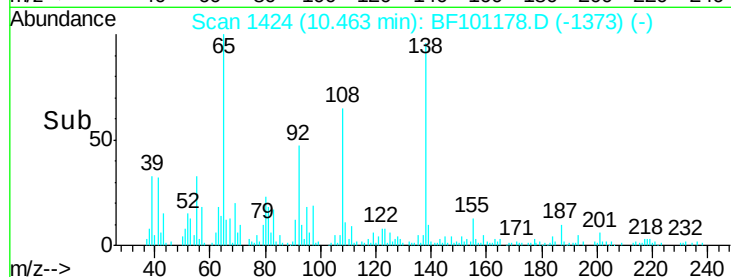
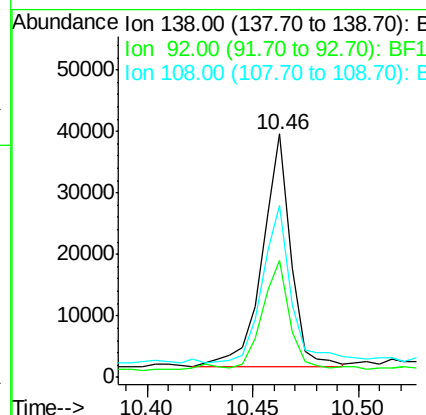
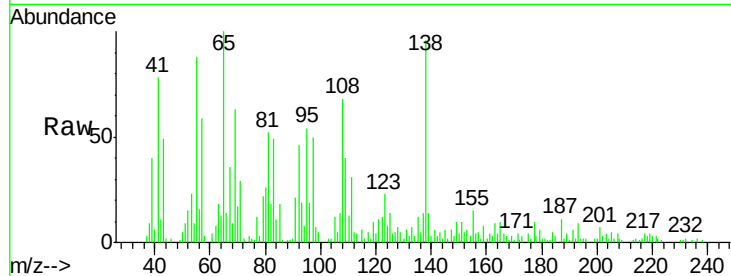
#61
4-Nitroaniline
Concen: 22.166 ng
RT: 10.46 min Scan# 1424
Delta R.T. 0.00 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Instrument :
BNA_F
ClientSampleId :
88-20-90-20MS

Tot Ion	Ratio	Lower	Upper
138	100		
92	47.9	30.2	70.2
108	70.6	52.5	92.5

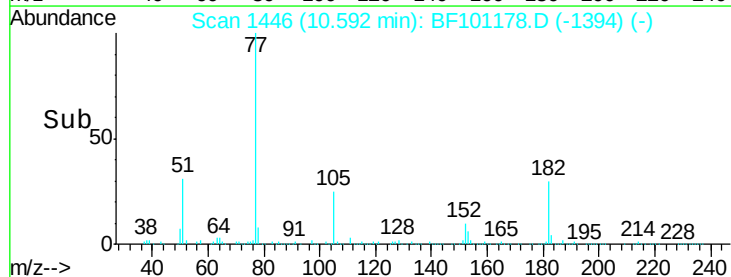
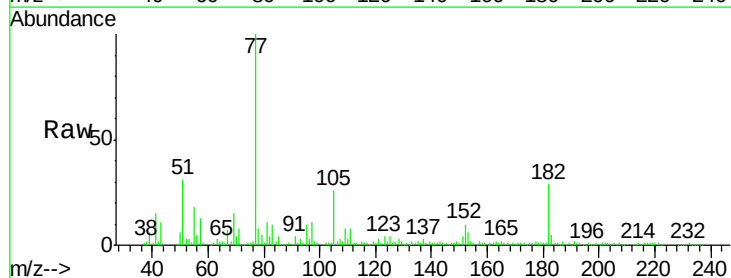
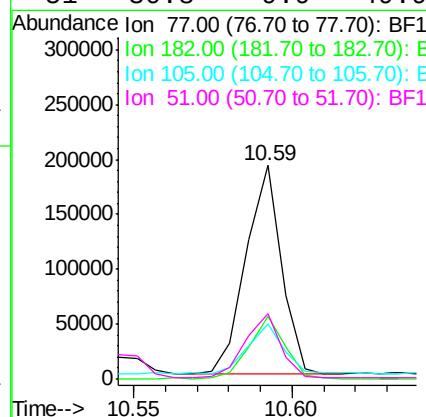
Manual Integrations
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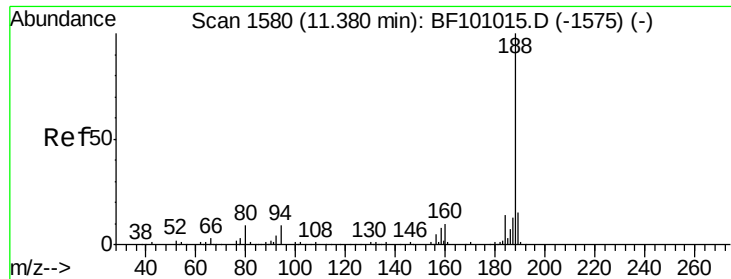
Sohil
12/7/2017 11:35:58 AM



#62
Azobenzene
Concen: 27.315 ng
RT: 10.59 min Scan# 1446
Delta R.T. 0.01 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Tgt Ion	Ratio	Lower	Upper
77	100		
182	29.4	1.7	41.7
105	26.0	3.0	43.0
51	30.8	9.9	49.9





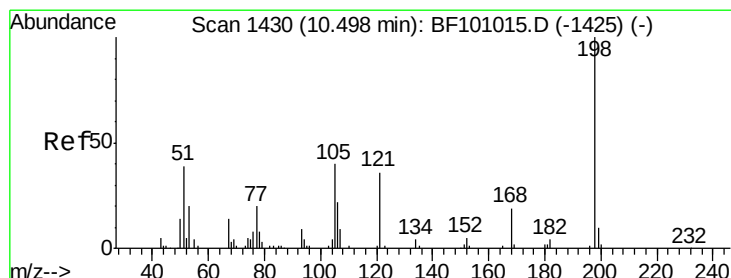
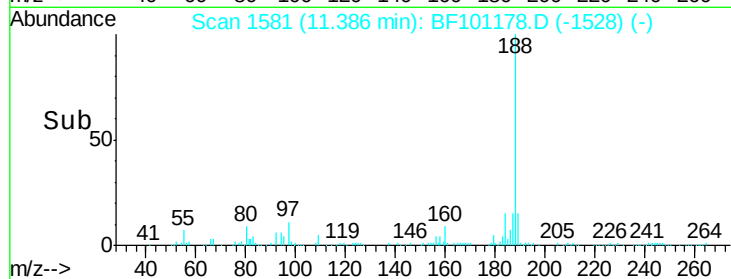
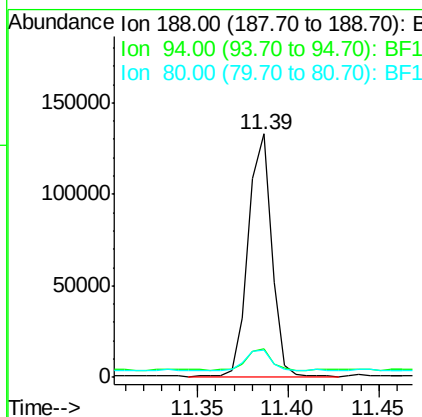
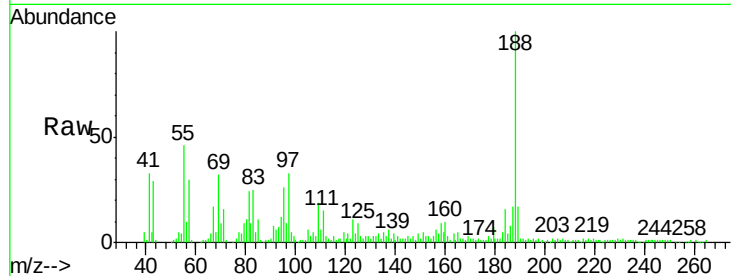
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Instrument :
BNA_F
ClientSampleId :
88-20-90-20MS

Tot Ion	Ratio	Resp	Lower	Upper
188	100	118490		
94	11.6	8.5	12.7	
80	11.1	9.2	13.8	

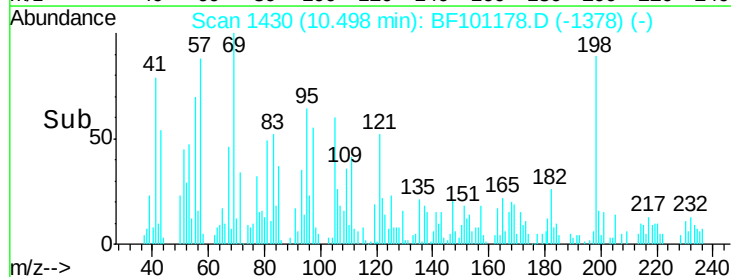
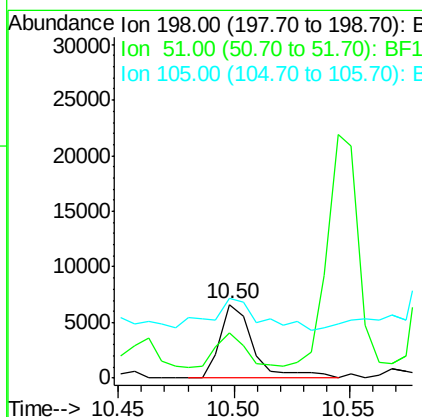
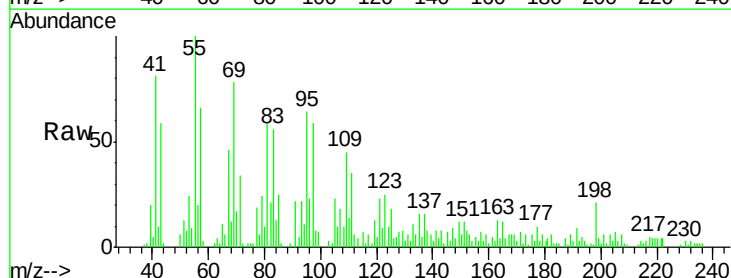
Manual Integrations
APPROVED

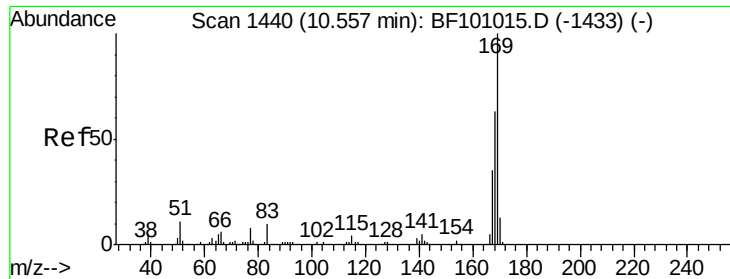
Sohil
12/7/2017 11:35:58 AM



#64
4,6-Dinitro-2-methylphenol
Concen: 8.311 ng
RT: 10.50 min Scan# 1430
Delta R.T. 0.01 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	6605		
51	60.6	37.7	77.7	
105	109.1	36.3	76.3#	





#65

n-Nitrosodiphenylamine

Concen: 36.481 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

Instrument :

BNA_F

ClientSampleId :

88-20-90-20MS

Tot Ion:169 Resp: 152496

Ion Ratio Lower Upper

169 100

168 63.7 54.4 81.6

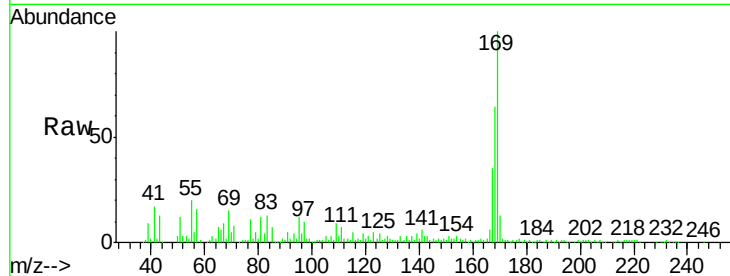
167 34.8 29.8 44.6

Manual Integrations

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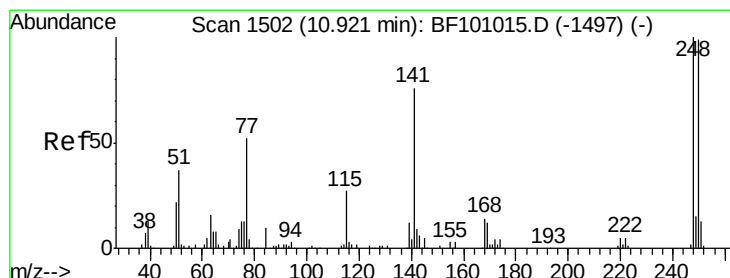
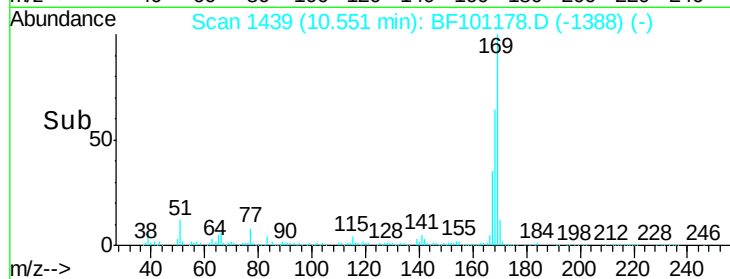
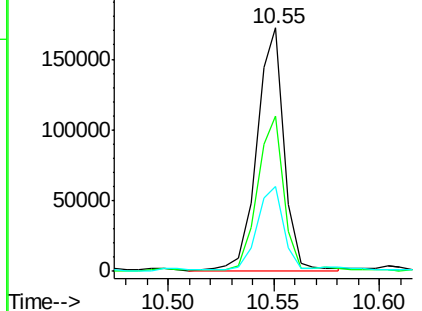
12/7/2017 11:35:58 AM



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: 34.595 ng

RT: 10.92 min Scan# 1502

Delta R.T. 0.01 min

Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

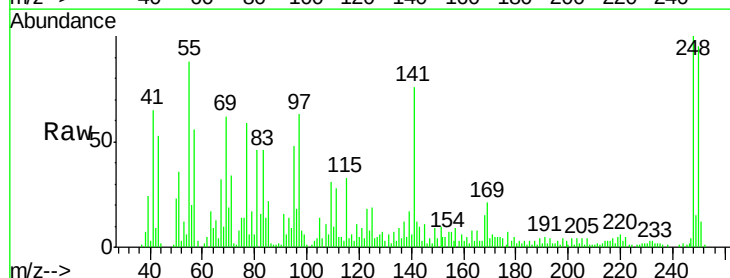
Tgt Ion:248 Resp: 45883

Ion Ratio Lower Upper

248 100

250 95.4 76.9 115.3

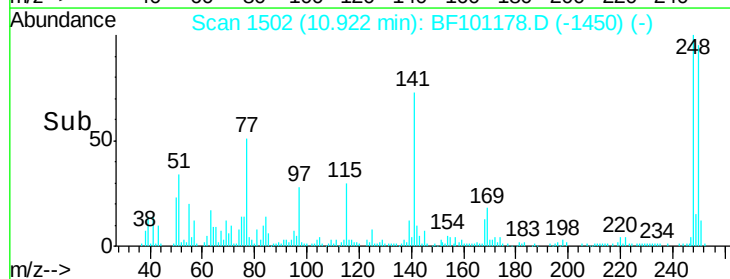
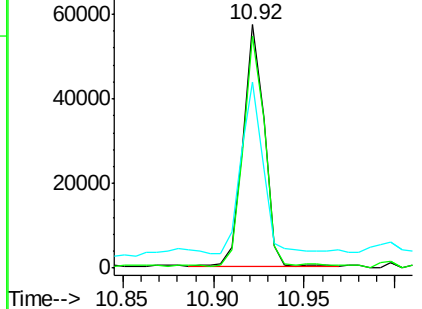
141 76.5 74.4 111.6

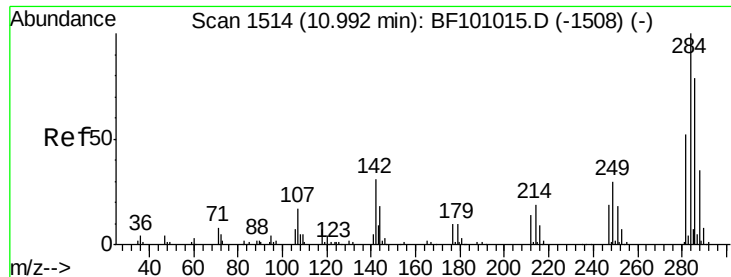


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 32.261 ng

RT: 11.00 min Scan# 1515

Delta R.T. 0.01 min

Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

Instrument :

BNA_F

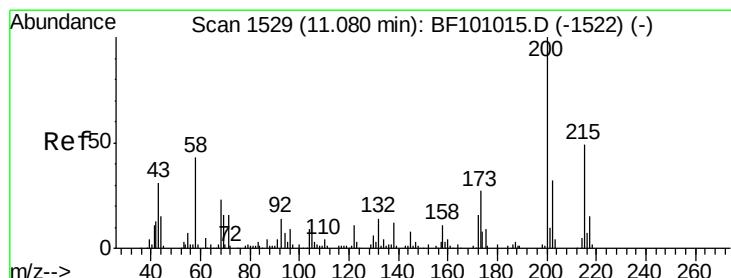
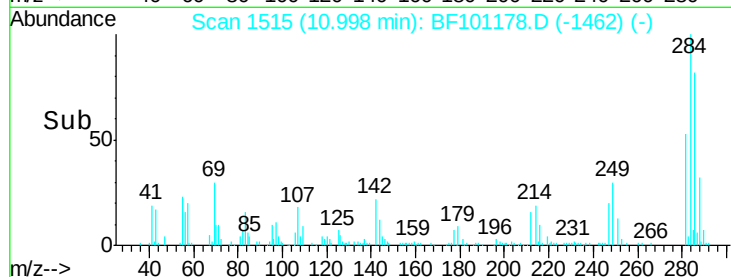
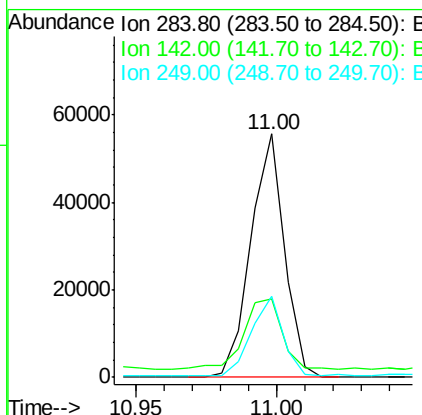
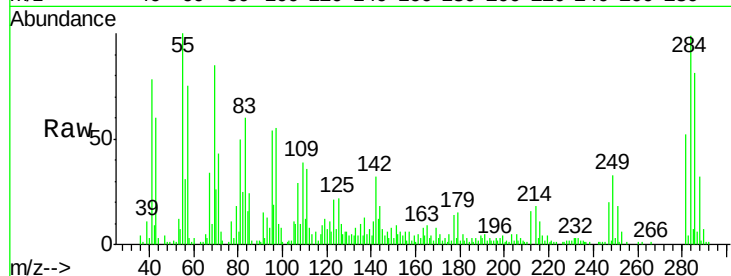
ClientSampleId :

88-20-90-20MS

Tot Ion:	284	Resp:	45858
Ion Ratio	Lower	Upper	
284	100		
142	32.2	34.6	52.0#
249	33.3	24.8	37.2

Manual Integrations
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#68

Atrazine

Concen: 36.122 ng

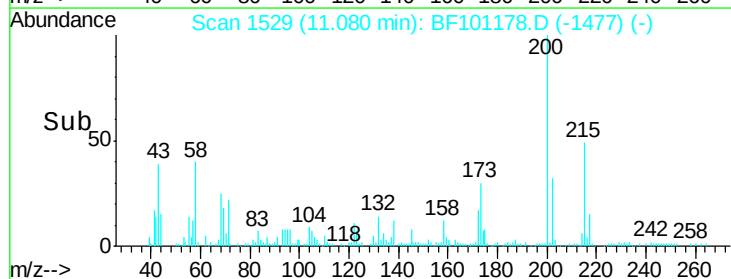
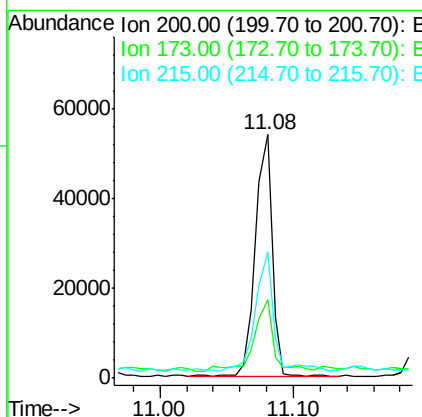
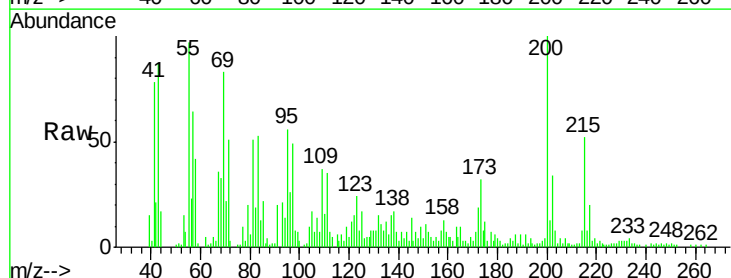
RT: 11.08 min Scan# 1529

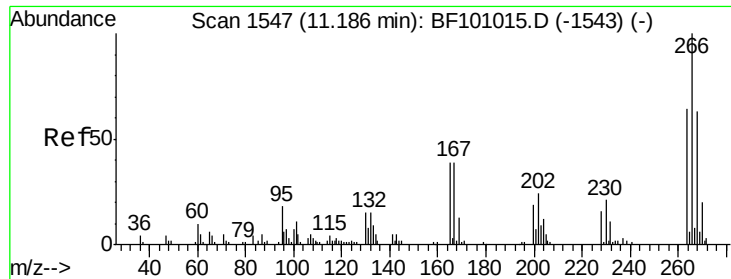
Delta R.T. 0.01 min

Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

Tgt Ion:	200	Resp:	46318
Ion Ratio	Lower	Upper	
200	100		
173	32.3	8.6	48.6
215	51.8	25.1	65.1





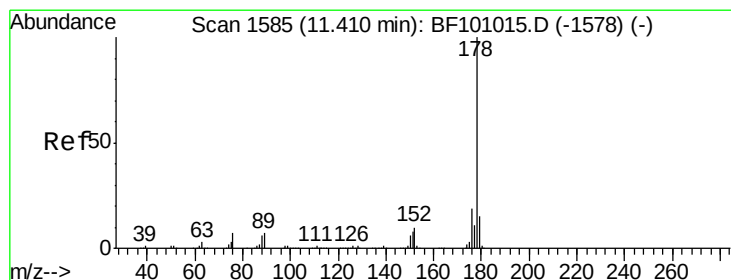
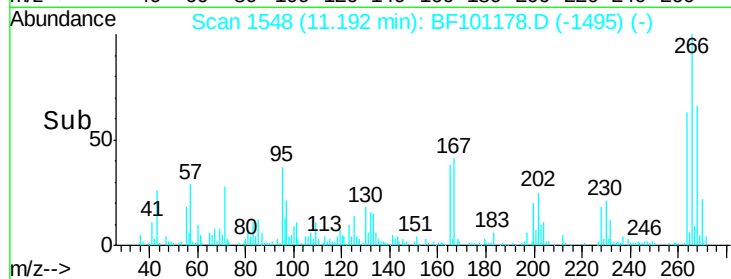
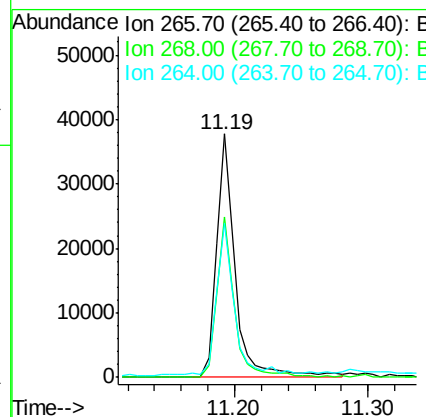
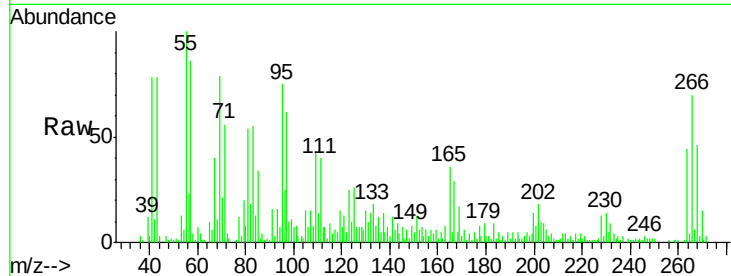
#69
 Pentachlorophenol
 Concen: 47.688 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. 0.01 min
 Lab File: BF101178.D
 Acq: 6 Dec 2017 19:59

Instrument :
 BNA_F
 ClientSampled :
 88-20-90-20MS

Tot Ion	Ratio	Lower	Upper
266	100		
268	65.9	51.1	76.7
264	63.4	49.5	74.3

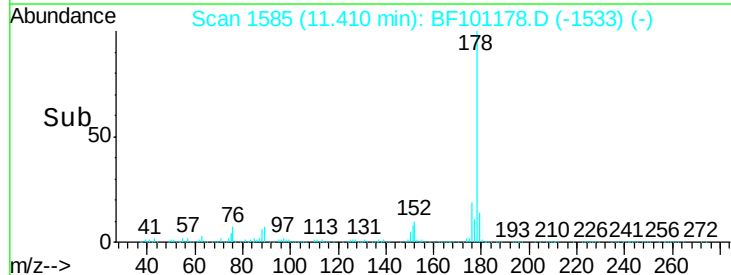
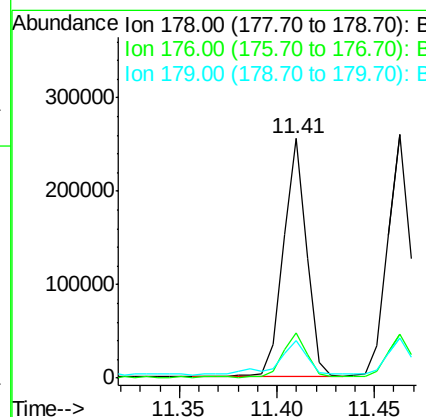
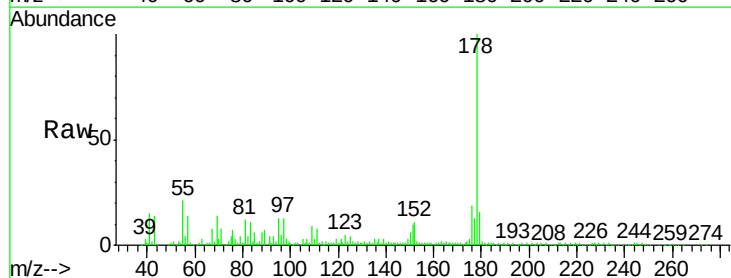
Manual Integrations
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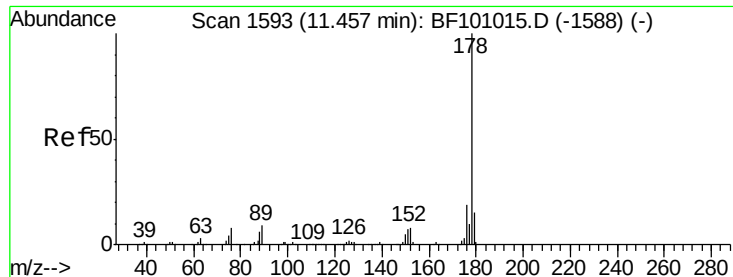
Sohil
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#70
 Phenanthrene
 Concen: 32.013 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.01 min
 Lab File: BF101178.D
 Acq: 6 Dec 2017 19:59

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.9	13.0	19.6





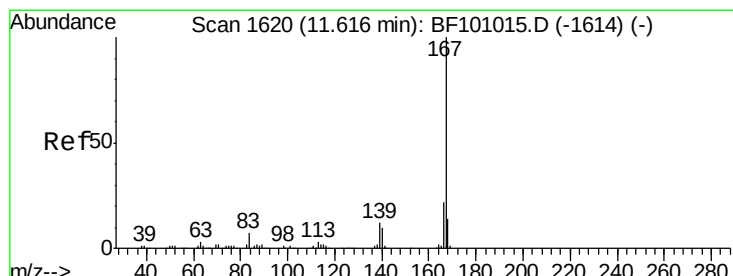
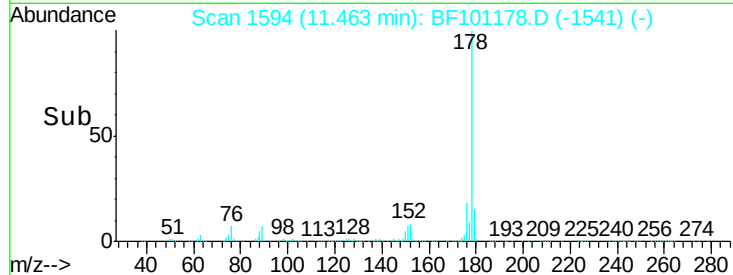
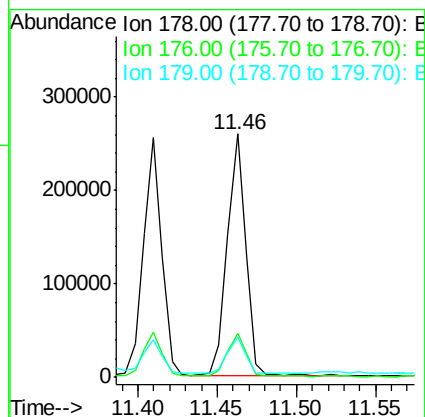
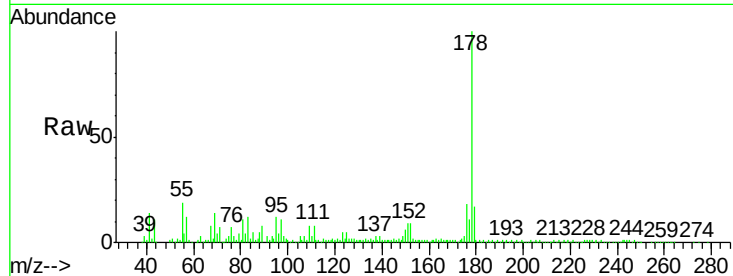
#71
 Anthracene
 Concen: 31.707 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. 0.01 min
 Lab File: BF101178.D
 Acq: 6 Dec 2017 19:59

Instrument :
 BNA_F
 ClientSampleId :
 88-20-90-20MS

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	16.5	12.6	19.0

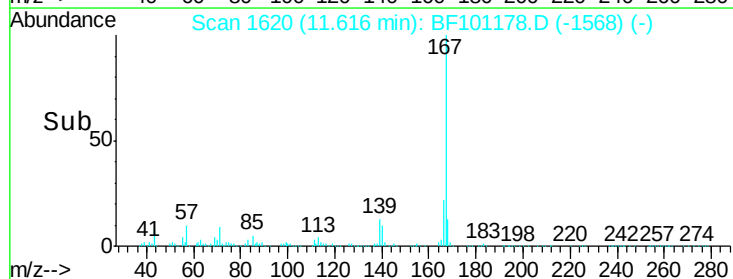
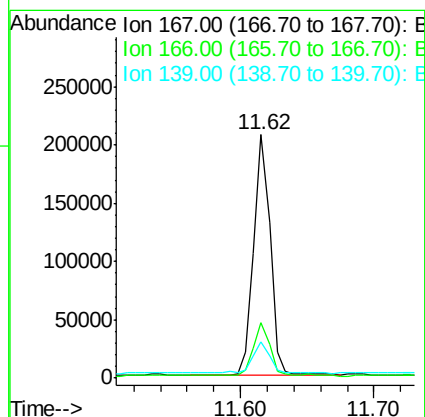
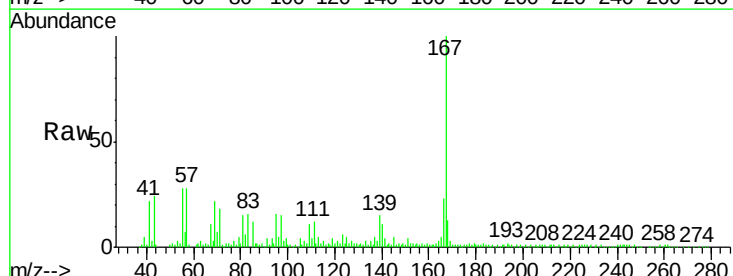
Manual Integrations
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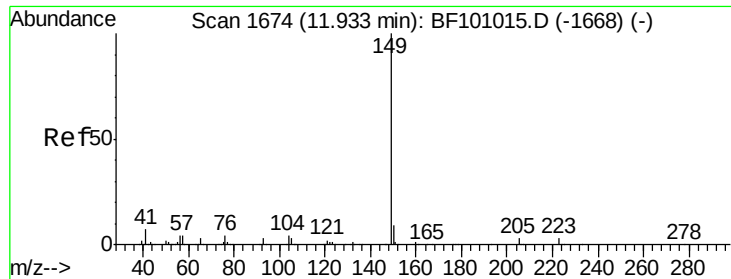
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#72
 Carbazole
 Concen: 29.026 ng
 RT: 11.62 min Scan# 1620
 Delta R.T. 0.01 min
 Lab File: BF101178.D
 Acq: 6 Dec 2017 19:59

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.9	17.6	26.4
139	14.7	10.9	16.3





#73

Di-n-butylphthalate

Concen: 32.079 ng

RT: 11.93 min Scan# 1674

Delta R.T. 0.01 min

Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

Instrument :

BNA_F

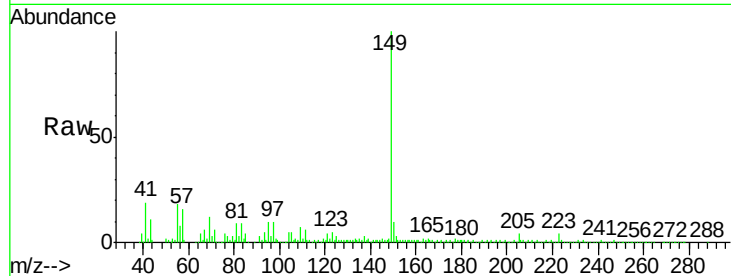
ClientSampleId :

88-20-90-20MS

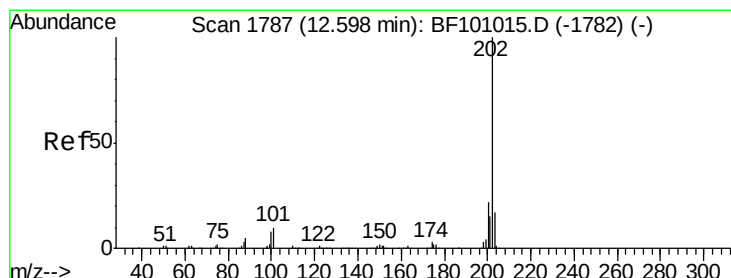
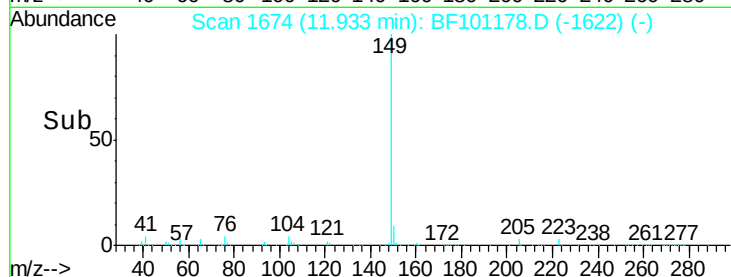
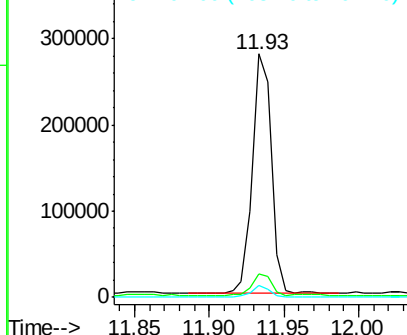
Tot Ion:	149	Resp:	242614
Ion Ratio	Lower	Upper	
149	100		
150	9.7	7.8	11.6
104	4.7	3.8	5.8

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



#74

Fluoranthene

Concen: 27.264 ng

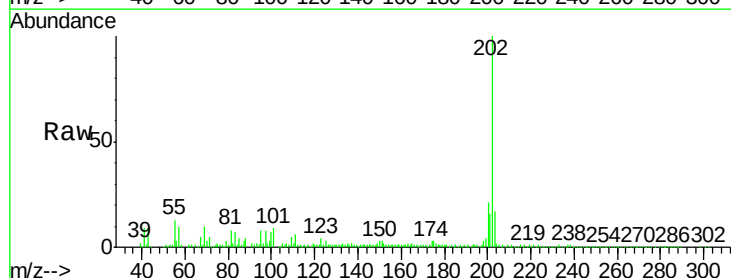
RT: 12.60 min Scan# 1788

Delta R.T. 0.01 min

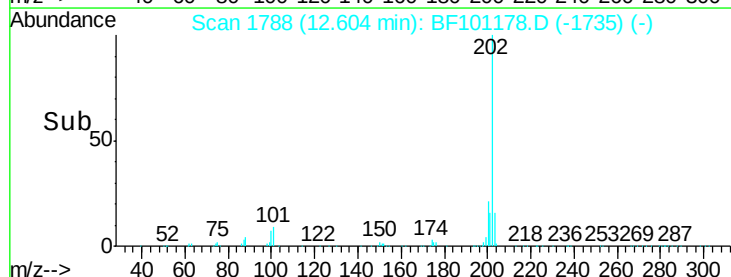
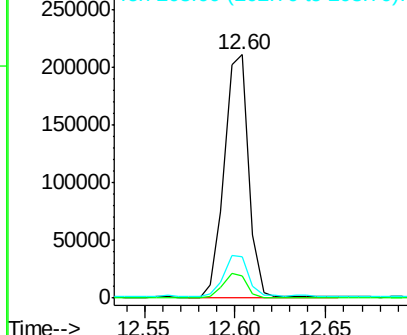
Lab File: BF101178.D

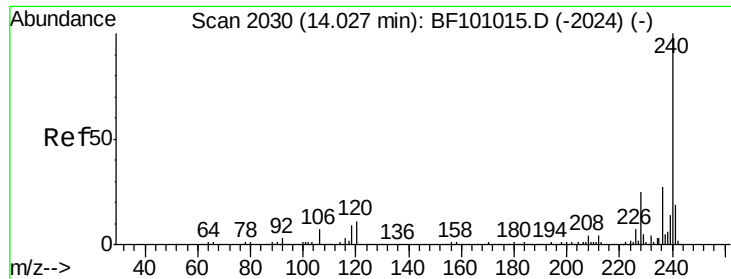
Acq: 6 Dec 2017 19:59

Tgt Ion:	202	Resp:	197201
Ion Ratio	Lower	Upper	
202	100		
101	9.3	0.0	34.1
203	17.2	0.0	38.1



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





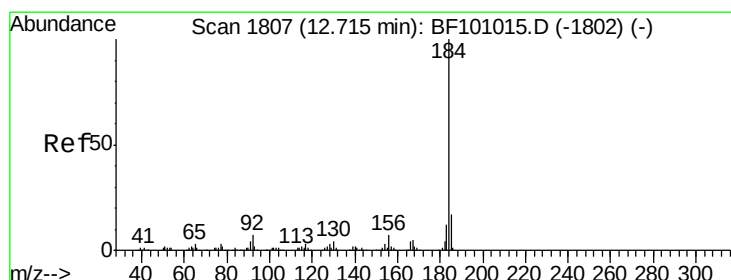
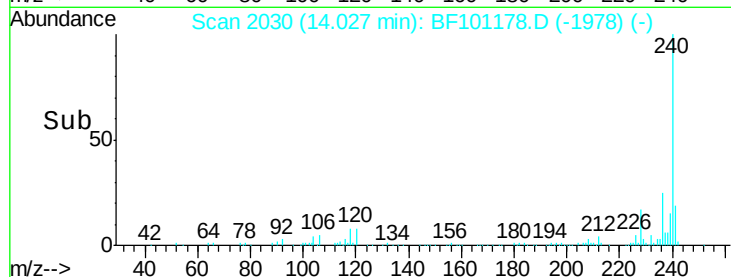
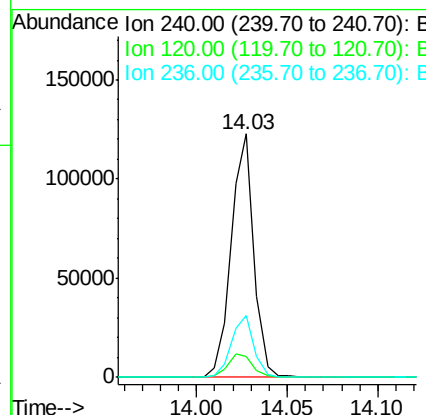
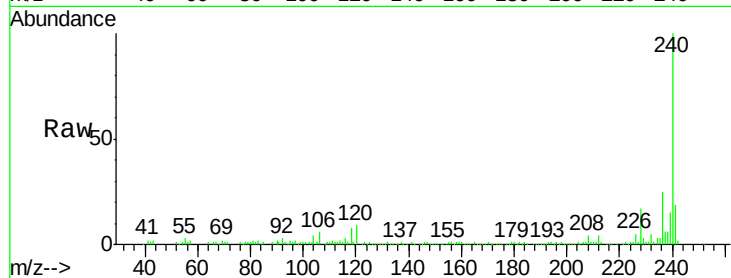
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.01 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Instrument :
BNA_F
ClientSampleId :
88-20-90-20MS

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.7	9.5	14.3#
236	25.4	20.7	31.1

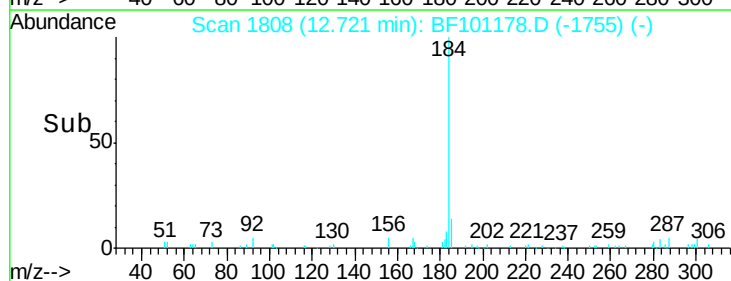
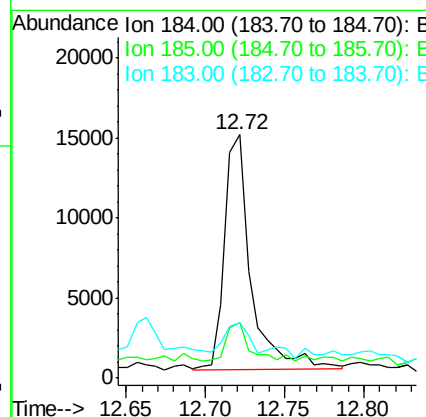
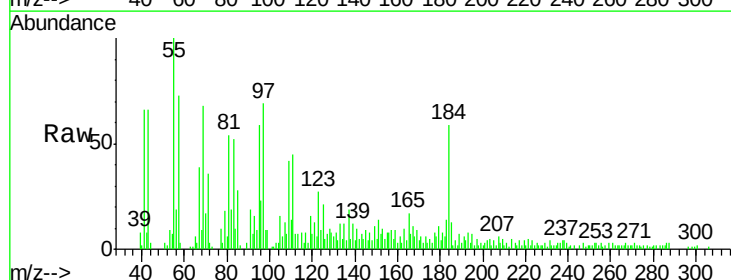
Manual Integrations
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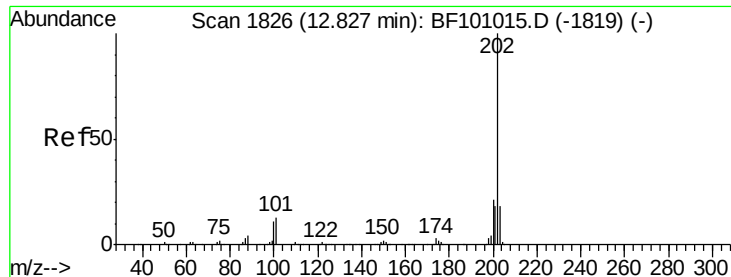
Sohil
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#76
Benzidine
Concen: 4.900 ng
RT: 12.72 min Scan# 1808
Delta R.T. 0.01 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Tgt Ion	Ratio	Lower	Upper
184	100		
185	22.9	12.6	18.8#
183	23.0	9.3	13.9#





#77

Pvrene

Concen: 27.268 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

Instrument :

BNA_F

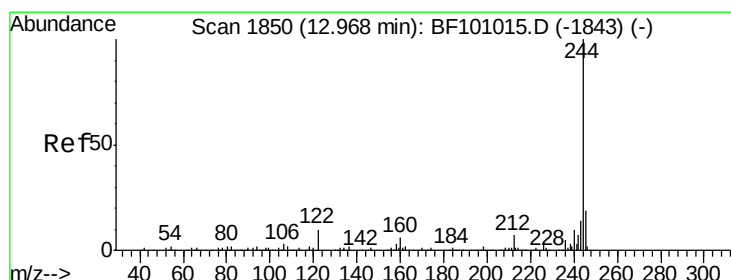
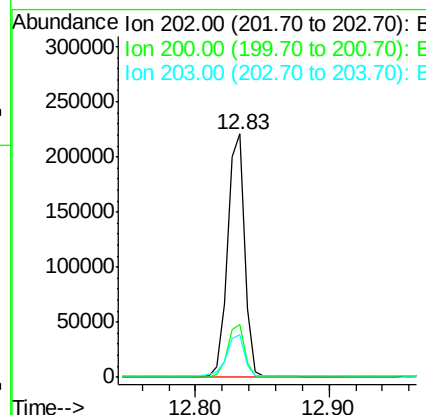
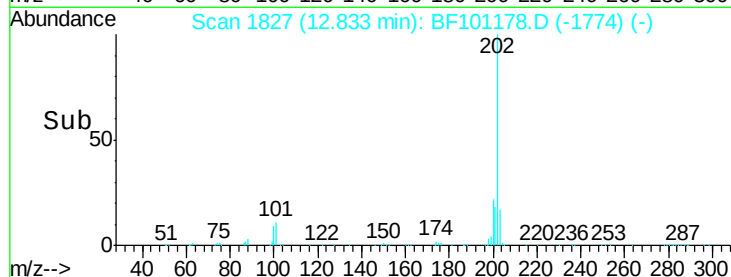
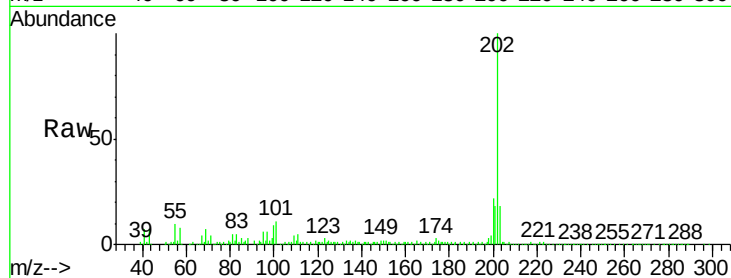
ClientSampleId :

88-20-90-20MS

Tot Ion:	202	Resp:	200549
Ion Ratio		Lower	Upper
202	100		
200	22.0	17.4	26.2
203	17.7	14.3	21.5

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#78

Terphenyl-d14

Concen: 57.228 ng

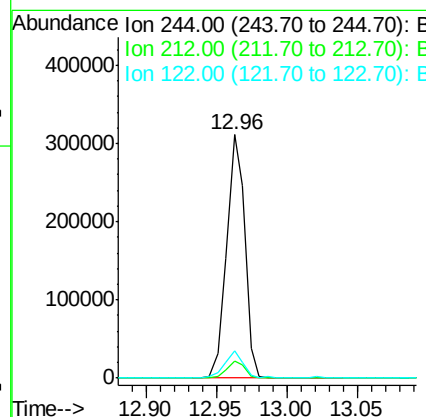
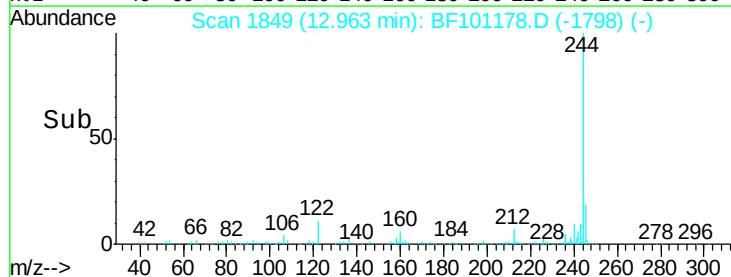
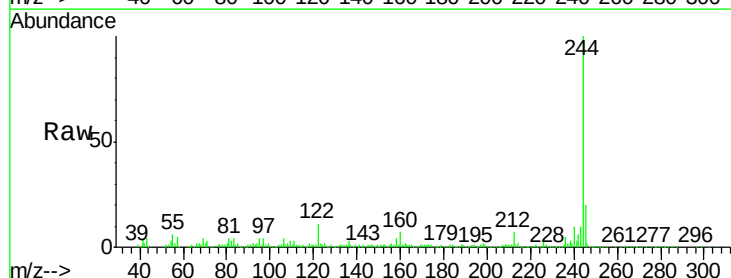
RT: 12.96 min Scan# 1849

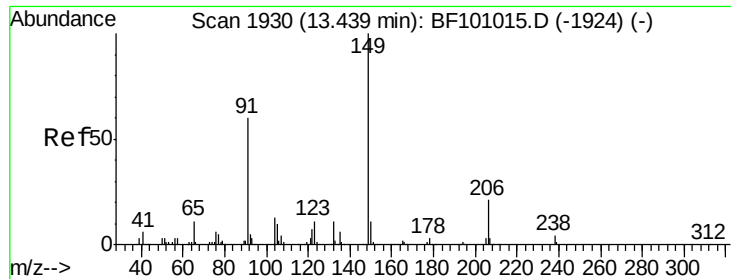
Delta R.T. 0.00 min

Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

Tgt Ion:	244	Resp:	278876
Ion Ratio		Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.3	11.0	16.4





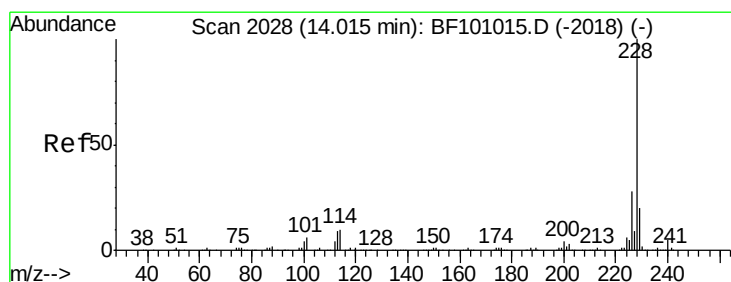
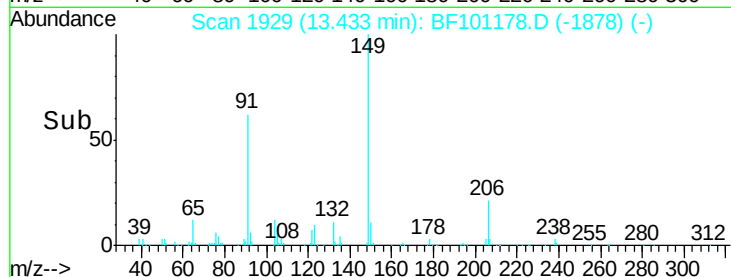
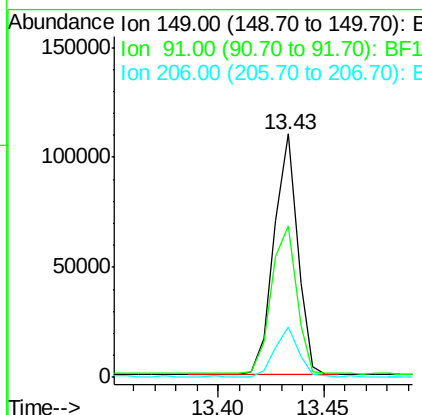
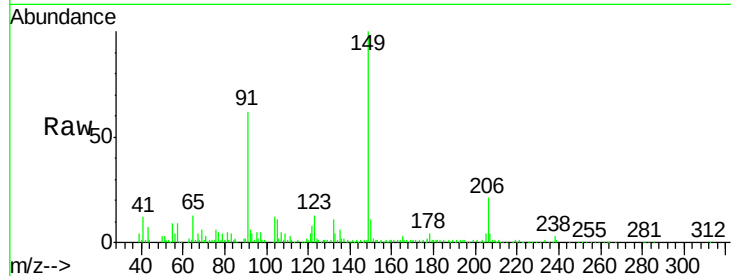
#79
Butylbenzylphthalate
Concen: 26.210 ng
RT: 13.43 min Scan# 1929
Delta R.T. 0.00 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Instrument :
BNA_F
ClientSampleId :
88-20-90-20MS

Tot Ion	Ratio	Lower	Upper
149	100		
91	62.3	56.8	85.2
206	20.8	14.1	21.1

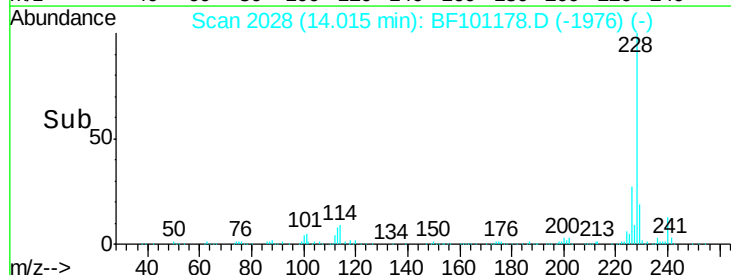
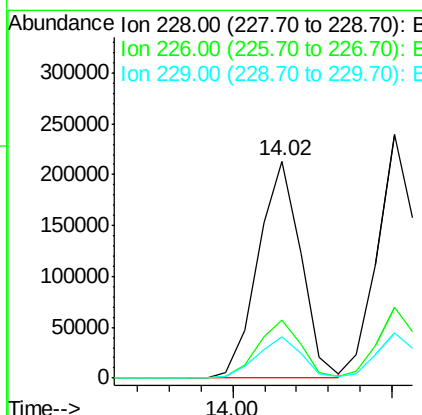
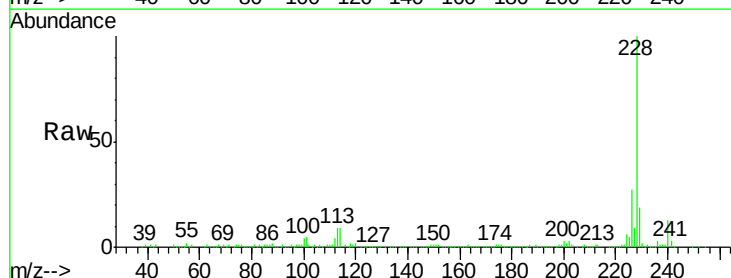
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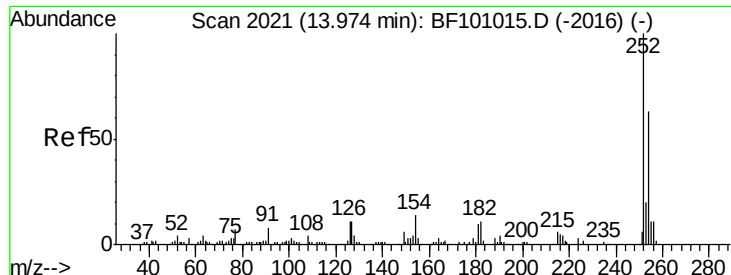
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#80
Benzo(a)anthracene
Concen: 29.738 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.6	22.6	33.8
229	19.0	15.8	23.6





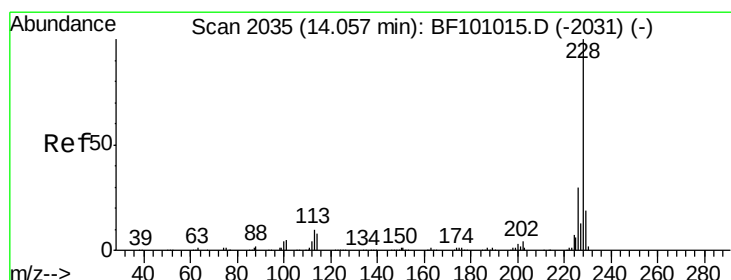
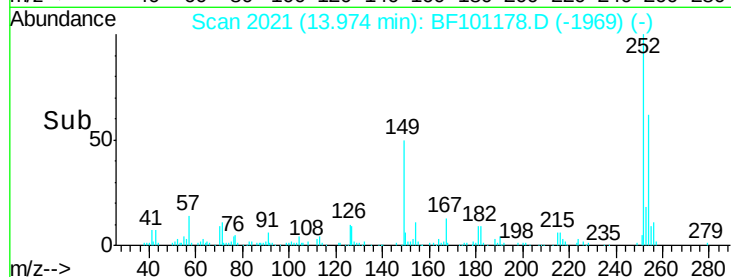
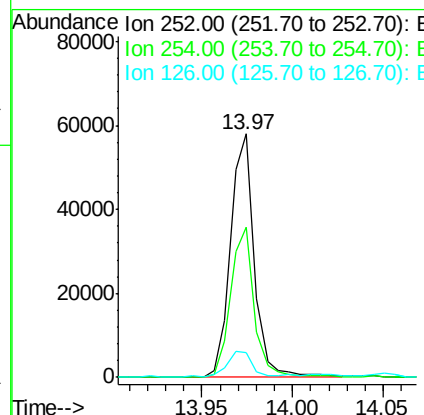
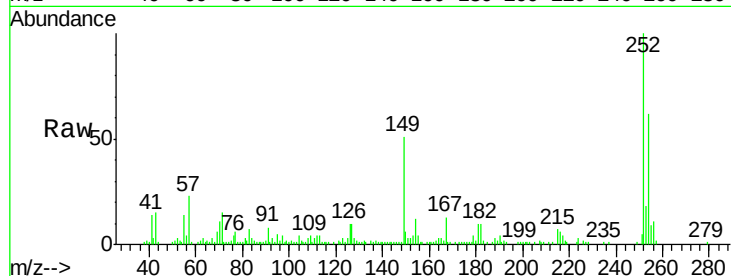
#81
 3,3'-Dichlorobenzidine
 Concen: 22.880 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. 0.01 min
 Lab File: BF101178.D
 Acq: 6 Dec 2017 19:59

Instrument :
 BNA_F
 ClientSampleId :
 88-20-90-20MS

Tot Ion	Ratio	Lower	Upper
252	100		
254	61.6	50.4	75.6
126	10.2	11.3	16.9

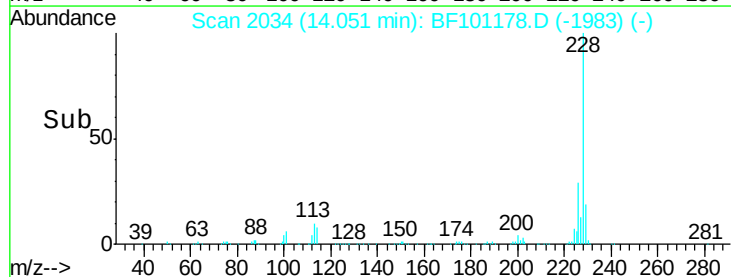
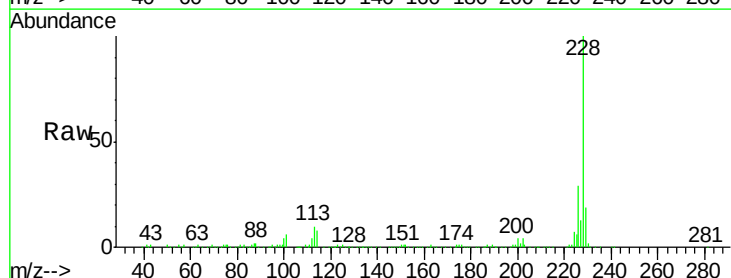
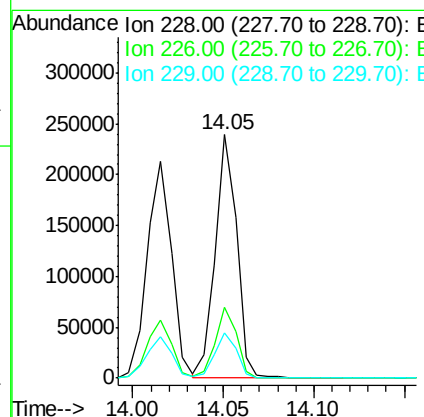
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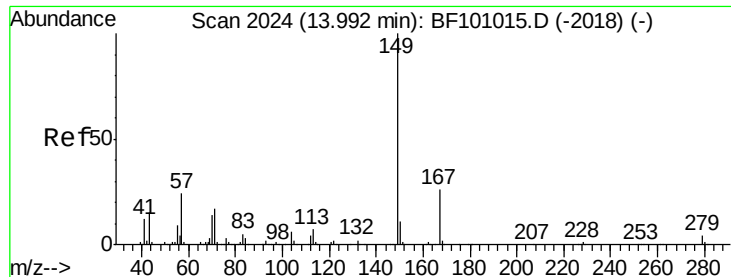
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#82
 Chrysene
 Concen: 31.497 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: BF101178.D
 Acq: 6 Dec 2017 19:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.0	37.6
229	18.8	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 26.868 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

Instrument :

BNA_F

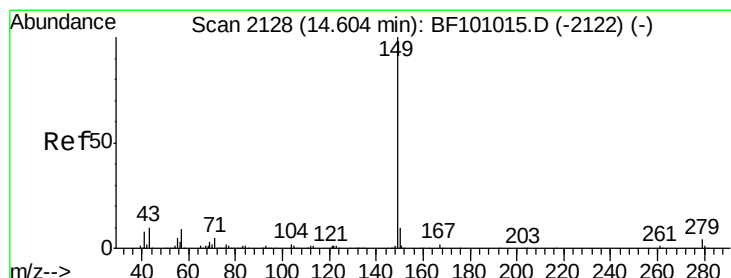
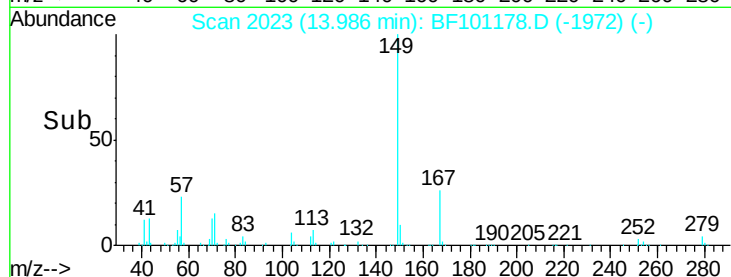
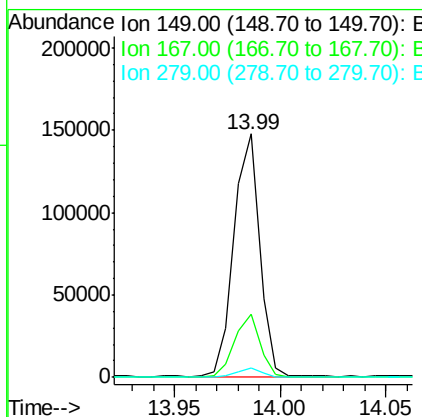
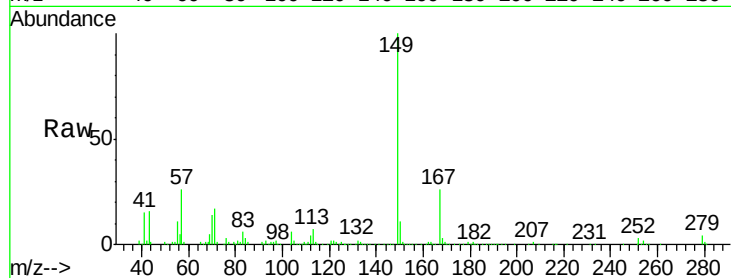
ClientSampleId :

88-20-90-20MS

Tot Ion:	149	Resp:	124223
Ion Ratio	Lower	Upper	
149	100		
167	26.2	21.3	31.9
279	3.9	3.0	4.4

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#84

Di-n-octyl phthalate

Concen: 27.943 ng

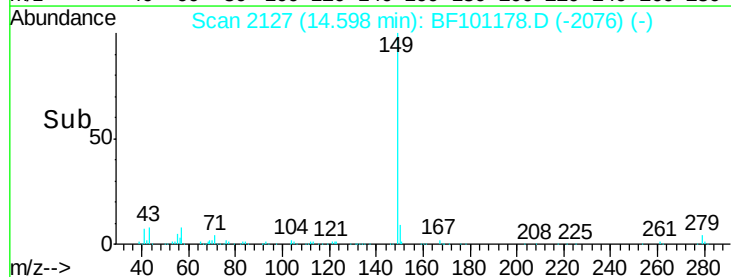
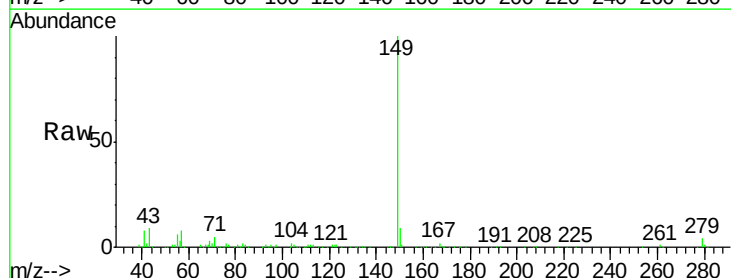
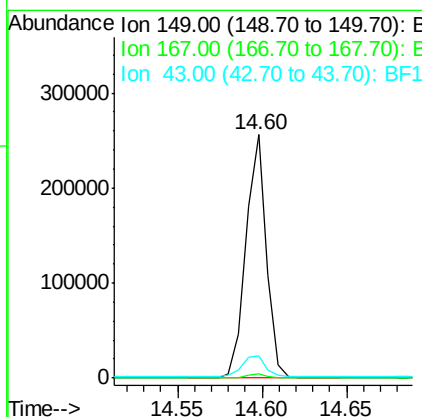
RT: 14.60 min Scan# 2127

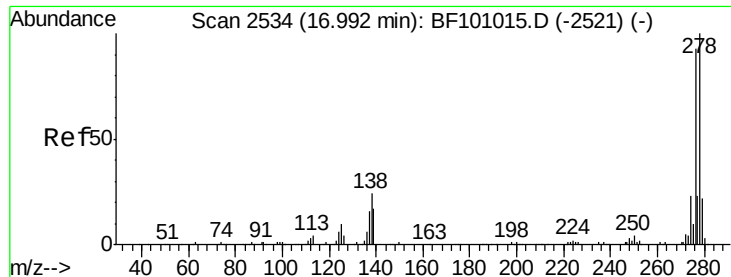
Delta R.T. 0.00 min

Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

Tgt Ion:	149	Resp:	215115
Ion Ratio	Lower	Upper	
149	100		
167	1.9	1.2	1.8#
43	9.9	8.4	12.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 31.832 ng

RT: 16.99 min Scan# 2534

Delta R.T. 0.02 min

Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

Instrument :

BNA_F

ClientSampleId :

88-20-90-20MS

Tot Ion:276 Resp: 176877

Ion Ratio Lower Upper

276 100

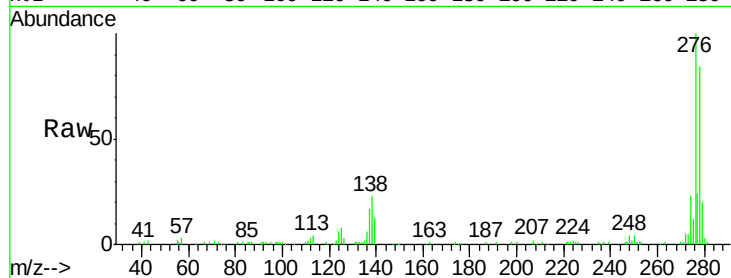
138 23.0 25.0 37.6#

277 24.8 20.1 30.1

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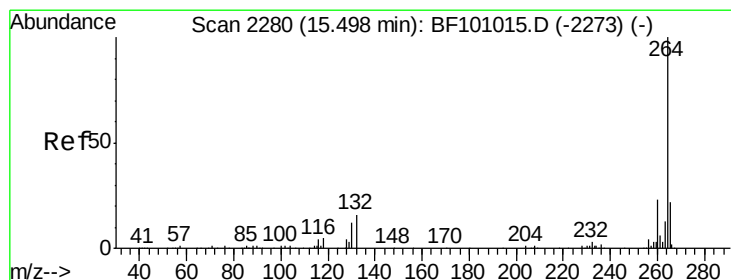
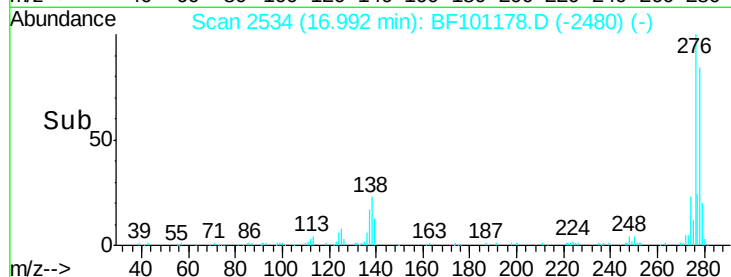
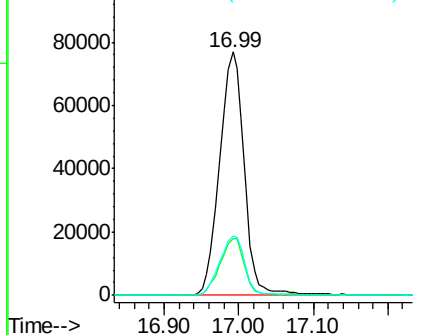
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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. 0.01 min

Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

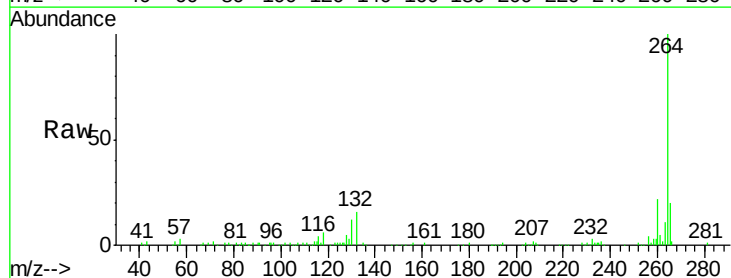
Tgt Ion:264 Resp: 107965

Ion Ratio Lower Upper

264 100

260 21.8 19.2 28.8

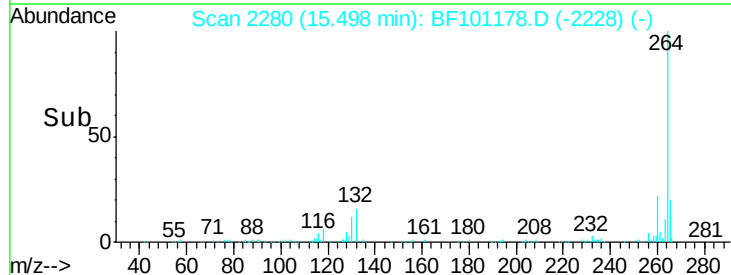
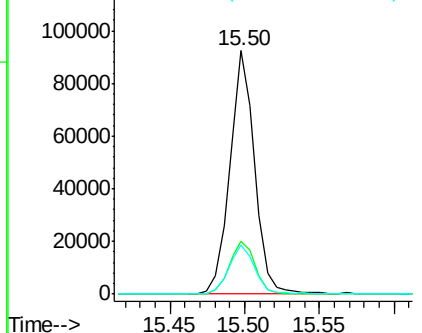
265 20.2 17.5 26.3

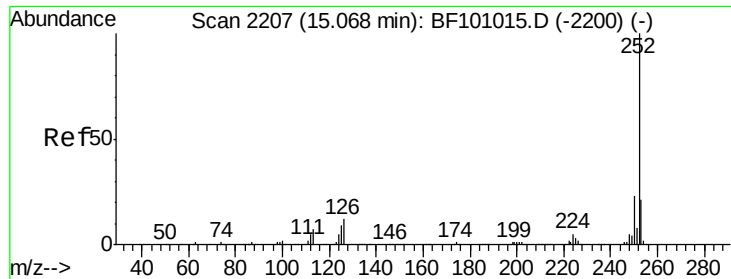


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





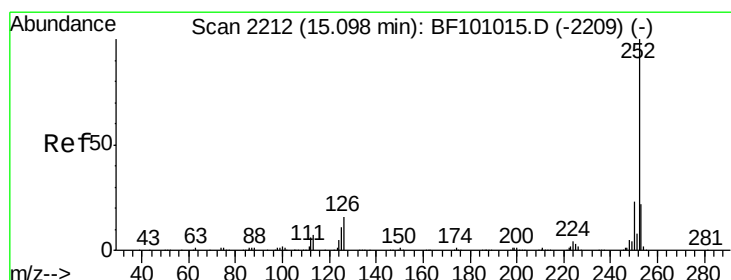
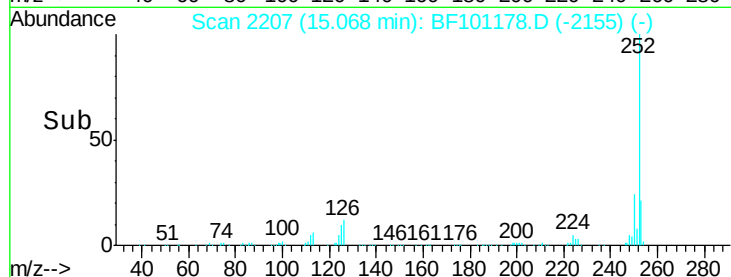
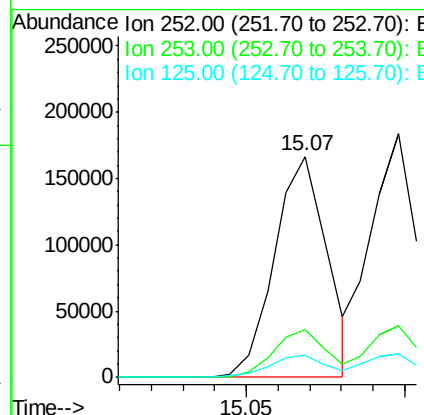
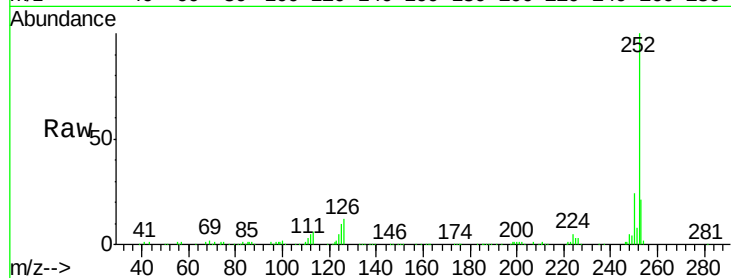
#87
Benzo(b)fluoranthene
Concen: 29.647 ng
RT: 15.07 min Scan# 2207
Delta R.T. 0.01 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Instrument :
BNA_F
ClientSampleId :
88-20-90-20MS

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	21.4	17.0	25.6
125	10.2	9.0	13.6

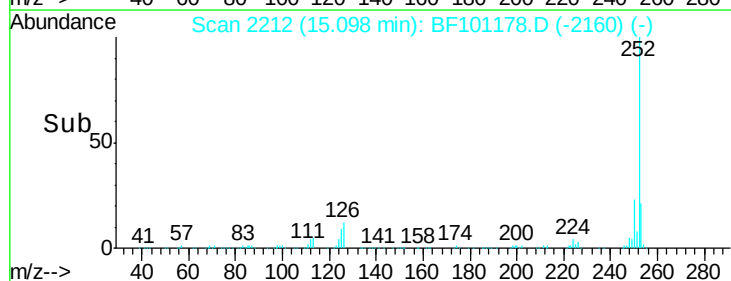
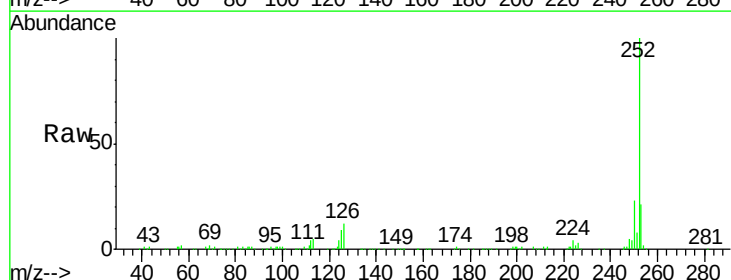
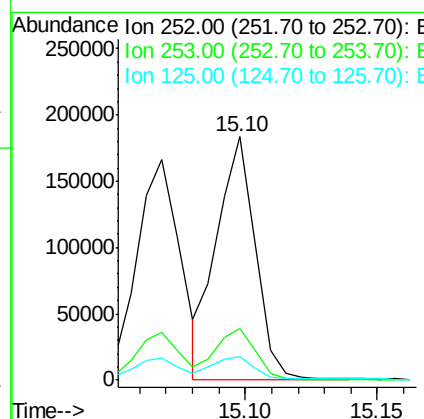
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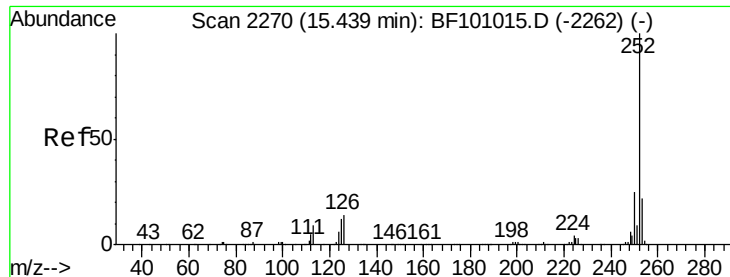
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#88
Benzo(k)fluoranthene
Concen: 29.256 ng m
RT: 15.10 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	21.1	17.9	26.9
125	9.5	10.2	15.2#





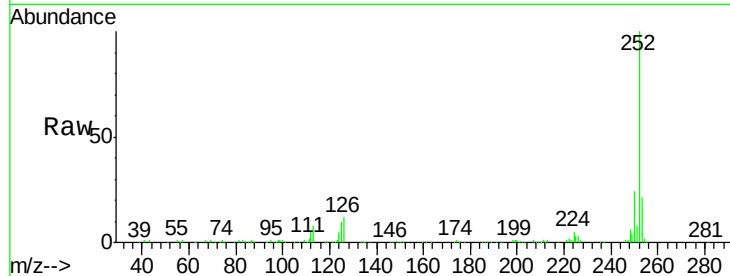
#89
Benzo(a)pyrene
Concen: 30.529 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Instrument :
BNA_F
ClientSampleId :
88-20-90-20MS

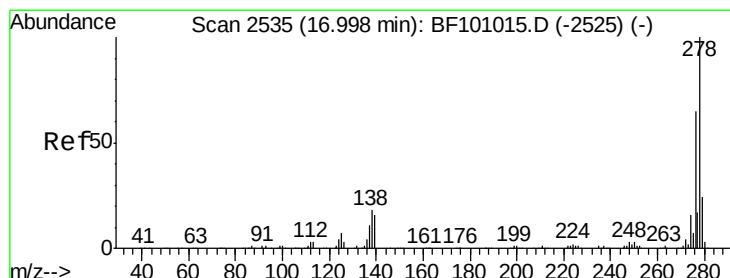
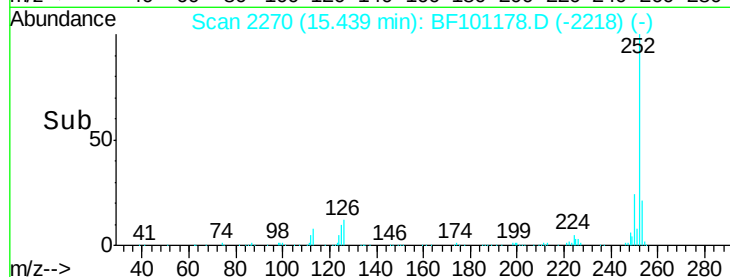
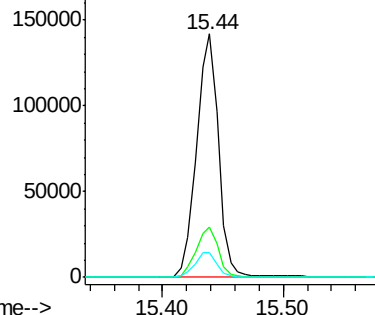
Tot Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.1	25.7
125	10.2	9.8	14.6

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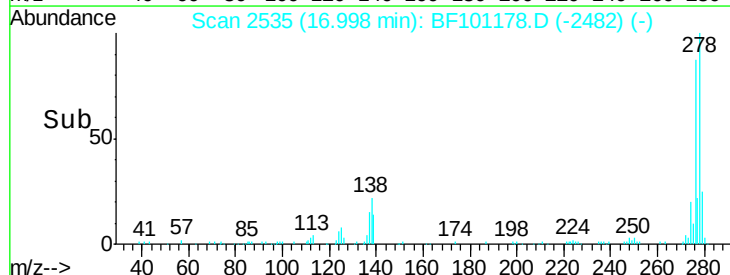
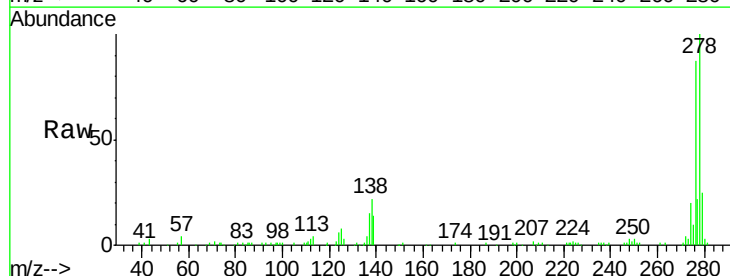
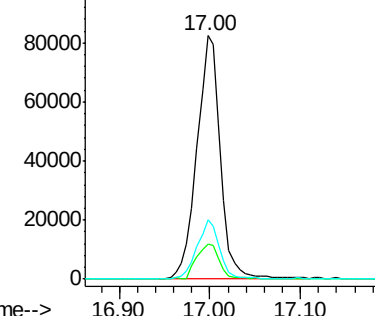
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

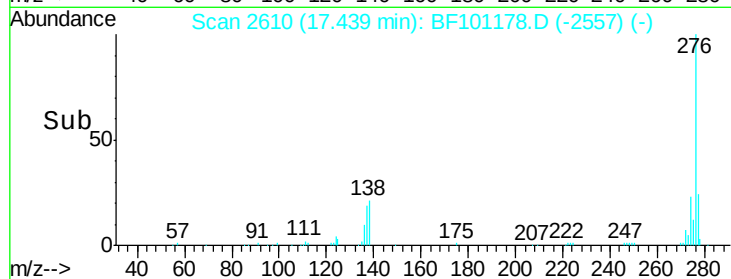
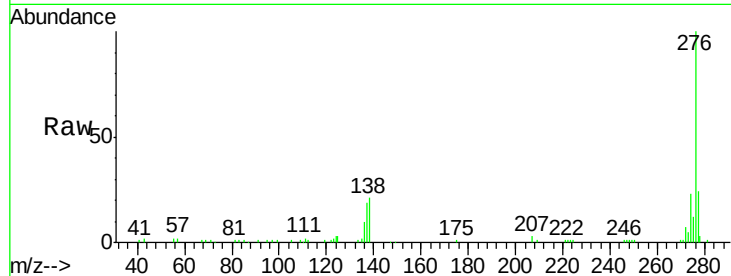
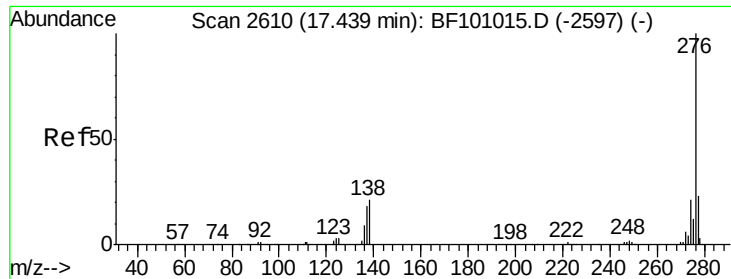


#90
Dibenzo(a,h)anthracene
Concen: 28.748 ng
RT: 17.00 min Scan# 2535
Delta R.T. 0.01 min
Lab File: BF101178.D
Acq: 6 Dec 2017 19:59

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.1	15.9	23.9#
279	24.6	19.0	28.4

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 27.623 ng

RT: 17.44 min Scan# 2610

Delta R.T. 0.01 min

Lab File: BF101178.D

Acq: 6 Dec 2017 19:59

Instrument :

BNA_F

ClientSampleId :

88-20-90-20MS

Tot Ion:	276	Resp:	134927
Ion Ratio	Lower	Upper	
276	100		
277	23.9	17.9	26.9
138	20.5	21.8	32.8

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