

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031218\
 Data File : BF103587.D
 Acq On : 12 Mar 2018 17:41
 Operator : SJ/JU
 Sample : J1867-13MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 J1867-09MSMS

Manual Integrations
 APPROVED

Sohil
 3/13/2018 4:15:42 PM

Quant Time: Mar 13 09:09:59 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 11:47:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	117561	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	501352	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	228681	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	402592	20.00	ng	0.00
75) Chrysene-d12	14.06	240	296848	20.00	ng	0.00
86) Perylene-d12	15.56	264	285512	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	586971	75.51	ng	0.00
7) Phenol-d6	6.51	99	493776	51.91	ng	0.00
23) Nitrobenzene-d5	7.43	82	896791	102.15	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	254627	131.55	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1278914	100.59	ng	0.00
78) Terphenyl-d14	12.99	244	1211890	98.14	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.63	88	72726	17.71	ng	94
3) Pyridine	3.52	79	160014m	14.60	ng	
4) n-Nitrosodimethylamine	3.46	42	98700m	22.33	ng	
6) Aniline	6.53	93	241009	17.56	ng	# 64
8) 2-Chlorophenol	6.65	128	341770	42.33	ng	92
9) Benzaldehyde	6.42	77	218780	37.03	ng	98
10) Phenol	6.53	94	186387	16.88	ng	# 44
11) bis(2-Chloroethyl)ether	6.59	93	375666	44.83	ng	93
12) 1,3-Dichlorobenzene	6.80	146	376368	40.79	ng	97
13) 1,4-Dichlorobenzene	6.87	146	402510	43.51	ng	99
14) 1,2-Dichlorobenzene	7.03	146	346472	40.61	ng	100
15) Benzyl Alcohol	7.02	79	219918	30.68	ng	93
16) 2,2'-oxybis(1-Chloropropan	7.13	45	667916	46.41	ng	64
17) 2-Methylphenol	7.13	107	245356	33.44	ng	# 72
18) Hexachloroethane	7.36	117	139744	41.49	ng	# 88
19) n-Nitroso-di-n-propylamine	7.27	70	312798	52.84	ng	92
20) 3+4-Methylphenols	7.29	107	306156	34.23	ng	# 67
22) Acetophenone	7.27	105	569758	48.69	ng	# 95
24) Nitrobenzene	7.45	77	458281	47.41	ng	97
25) Isophorone	7.68	82	872509	50.46	ng	97
26) 2-Nitrophenol	7.76	139	225952	49.66	ng	91
27) 2,4-Dimethylphenol	7.80	122	342508	49.25	ng	96
28) bis(2-Chloroethoxy)methane	7.89	93	527447	51.89	ng	99
29) 2,4-Dichlorophenol	8.02	162	324420	48.72	ng	99
30) 1,2,4-Trichlorobenzene	8.08	180	303470	42.80	ng	97
31) Naphthalene	8.16	128	1144280	46.62	ng	99
32) Benzoic acid	7.93	122	52741	15.66	ng	94
33) 4-Chloroaniline	8.23	127	171979	16.24	ng	97
34) Hexachlorobutadiene	8.27	225	142399	38.56	ng	98
35) Caprolactam	8.60	113	58013	24.79	ng	# 78
36) 4-Chloro-3-methylphenol	8.72	107	352668	46.96	ng	98
37) 2-Methylnaphthalene	8.86	142	746808	47.08	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.02	216	284106	45.44	ng	99
40) Hexachlorocyclopentadiene	9.00	237	90566	45.42	ng	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.15	196	192098	45.67	nq	98
43) 2,4,5-Trichlorophenol	9.20	196	197970	40.92	nq	98
45) 1,1'-Biphenyl	9.32	154	844865	44.09	nq	99
46) 2-Chloronaphthalene	9.35	162	683871	45.11	nq	98
47) 2-Nitroaniline	9.46	65	288130	51.31	nq	89
48) Acenaphthylene	9.76	152	998198	42.79	nq	98
49) Dimethylphthalate	9.62	163	833197	45.42	nq	100
50) 2,6-Dinitrotoluene	9.70	165	179469	46.62	nq	# 74
51) Acenaphthene	9.93	154	614986	45.22	nq	100
52) 3-Nitroaniline	9.88	138	112085	22.95	nq	97
53) 2,4-Dinitrophenol	10.00	184	115193	82.50	nq	# 17
54) Dibenzofuran	10.11	168	907157	48.59	nq	95
55) 4-Nitrophenol	10.07	139	47481m	15.68	nq	
56) 2,4-Dinitrotoluene	10.12	165	233979	48.06	nq	# 81
57) Fluorene	10.46	166	754459	47.43	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.24	232	149041	45.86	nq	97
59) Diethylphthalate	10.32	149	822780	46.89	nq	99
60) 4-Chlorophenyl-phenylether	10.44	204	315703	46.81	nq	98
61) 4-Nitroaniline	10.50	138	212296	43.52	nq	97
62) Azobenzene	10.60	77	816460	45.72	nq	97
64) 4,6-Dinitro-2-methylphenol	10.53	198	93376	39.14	nq	95
65) n-Nitrosodiphenylamine	10.56	169	624918	44.58	nq	99
66) 4-Bromophenyl-phenylether	10.93	248	188941	45.05	nq	91
67) Hexachlorobenzene	11.01	284	203206	44.64	nq	# 90
68) Atrazine	11.09	200	196649	46.67	nq	97
69) Pentachlorophenol	11.21	266	135722	61.67	nq	97
70) Phenanthrene	11.43	178	1013937	45.76	nq	99
71) Anthracene	11.48	178	1068894	47.05	nq	100
72) Carbazole	11.64	167	1068123	47.21	nq	98
73) Di-n-butylphthalate	11.94	149	1289291	45.54	nq	100
74) Fluoranthene	12.62	202	1064600	47.82	nq	99
76) Benzidine	12.74	184	255027	22.98	nq	99
77) Pyrene	12.85	202	1078048	46.58	nq	99
79) Butylbenzylphthalate	13.45	149	585940	47.92	nq	100
80) Benzo(a)anthracene	14.05	228	927456	48.15	nq	99
81) 3,3'-Dichlorobenzidine	14.00	252	178572	25.98	nq	96
82) Chrysene	14.09	228	915831	48.97	nq	99
83) Bis(2-ethylhexyl)phthalate	14.00	149	733634	44.46	nq	# 98
84) Di-n-octyl phthalate	14.62	149	1328104	49.81	nq	100
85) Indeno(1,2,3-cd)pyrene	17.12	276	783262	52.90	nq	97
87) Benzo(b)fluoranthene	15.12	252	908217	48.38	nq	# 96
88) Benzo(k)fluoranthene	15.15	252	770106	43.57	nq	98
89) Benzo(a)pyrene	15.50	252	795034	47.43	nq	# 96
90) Dibenzo(a,h)anthracene	17.12	278	652225	50.35	nq	98
91) Benzo(g,h,i)perylene	17.59	276	685855	54.18	nq	98

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

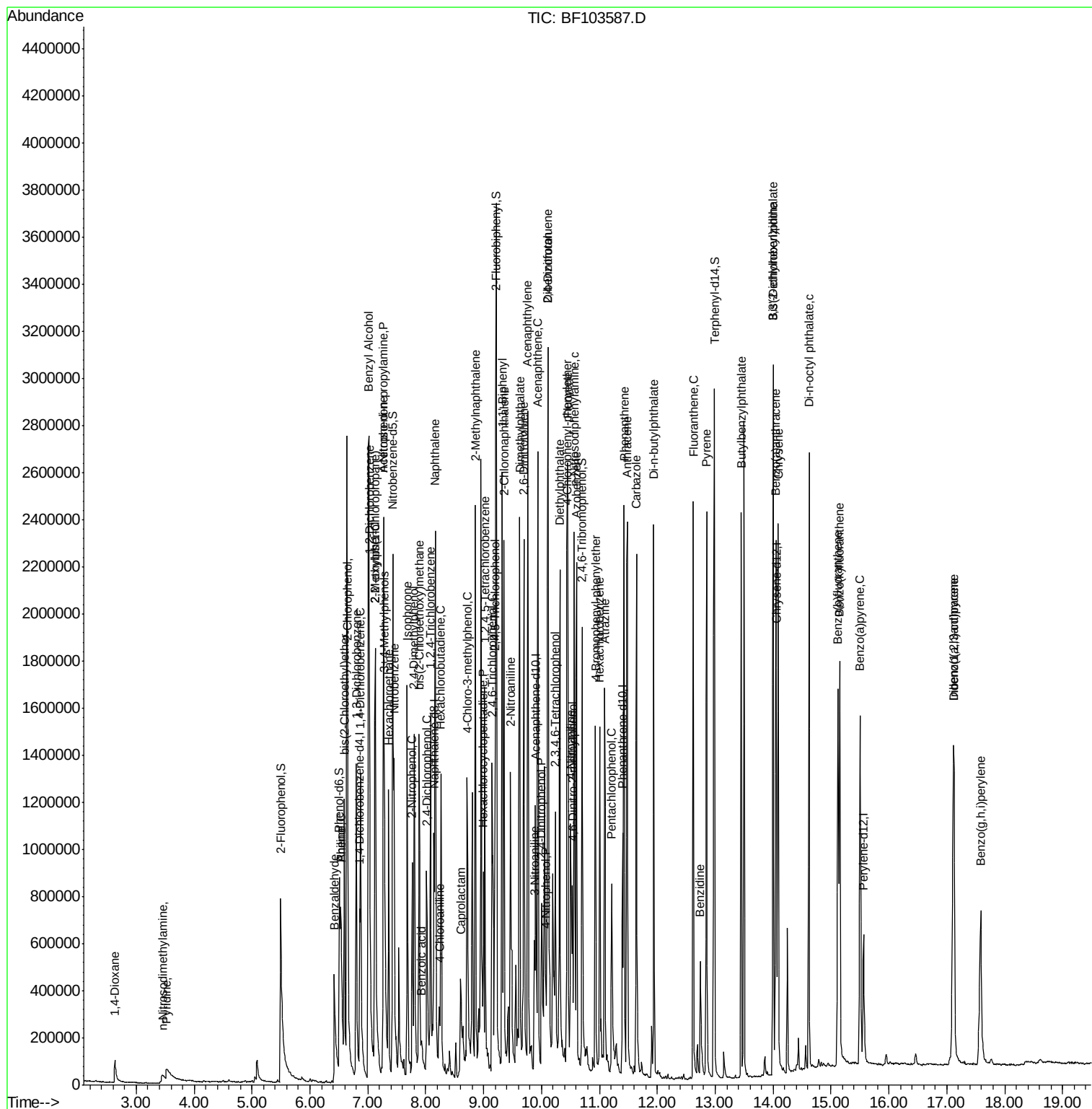
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Data Path : Z:\HPCHEM1\BNA F\DATA\BF031218\  
Data File : BF103587.D  
Acq On    : 12 Mar 2018   17:41  
Operator  : SJ/JU  
Sample    : J1867-13MS  
Misc      :  
ALS Vial  : 18      Sample Multiplier: 1
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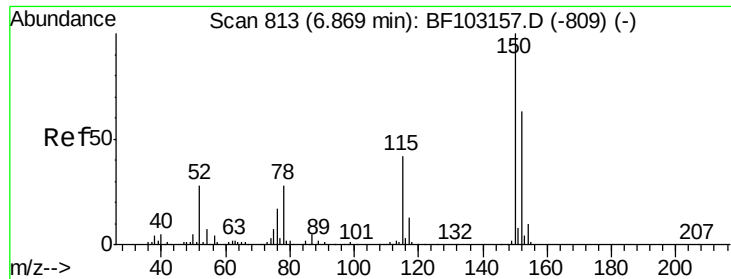
Instrument :
BNA_F
ClientSampleId :
J1867-09MSMS

Manual Integrations APPROVED

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#1

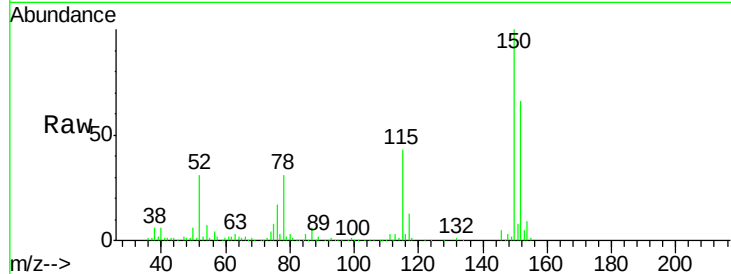
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Instrument :
BNA_F
ClientSampleId :
J1867-09MSMS

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.0	124.6	186.8
115	64.7	50.1	75.1

Manual Integrations
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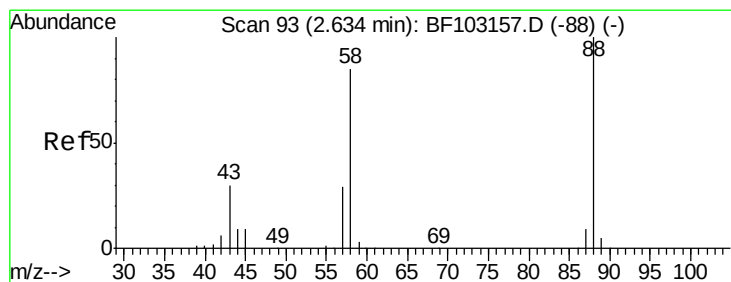
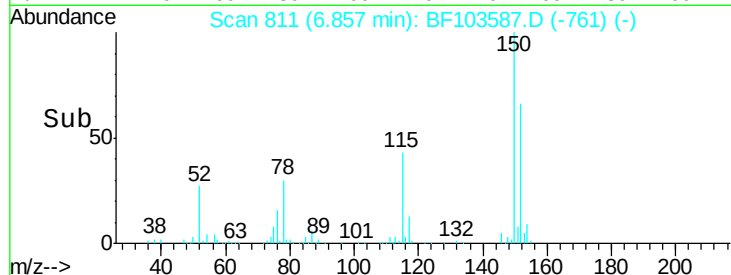
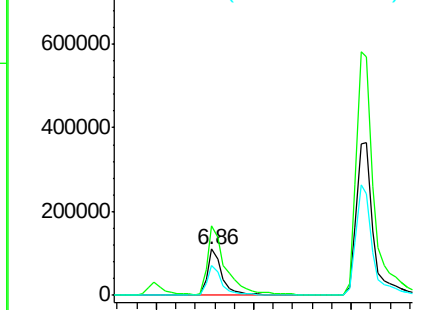


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

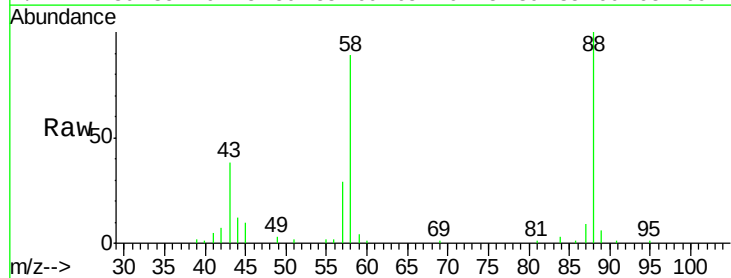
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 17.71 ng
RT: 2.63 min Scan# 92
Delta R.T. -0.00 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Tgt Ion	Ratio	Lower	Upper
88	100		
58	84.3	62.6	93.8
43	29.4	24.6	37.0

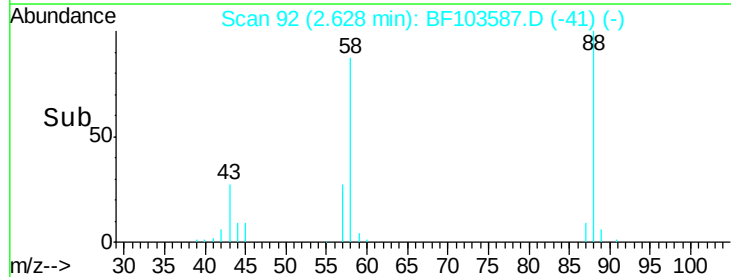
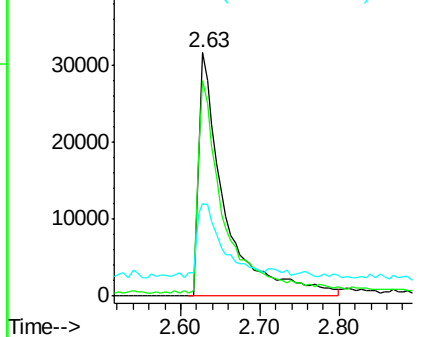


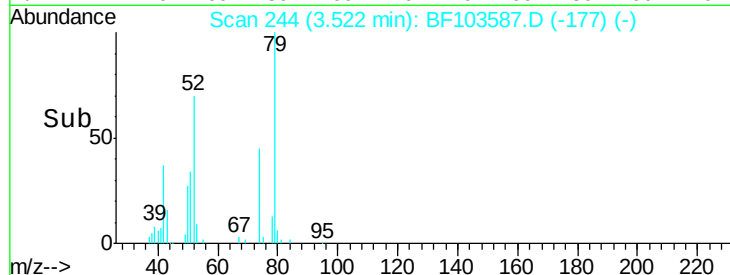
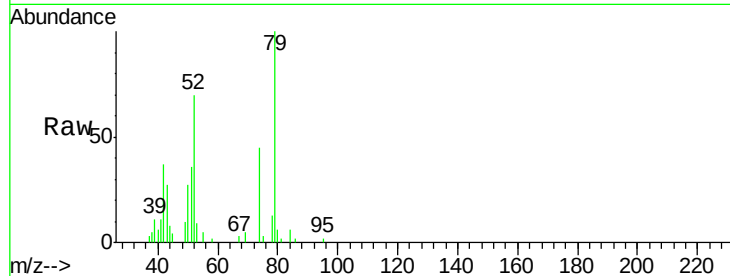
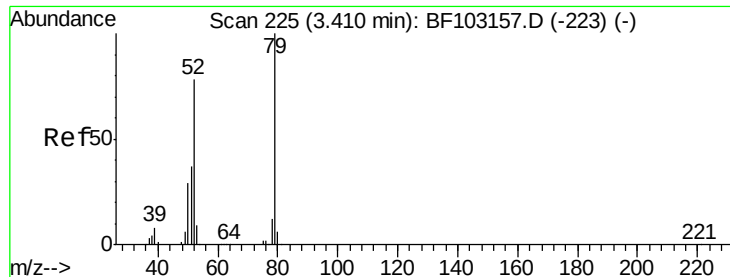
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





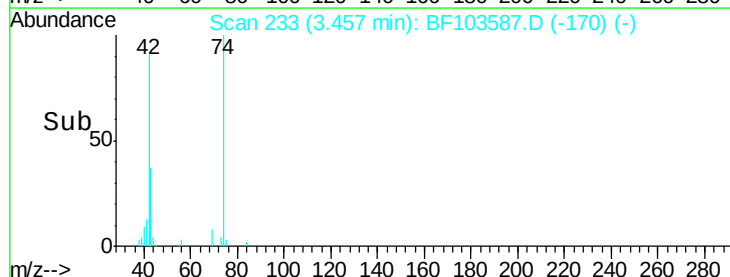
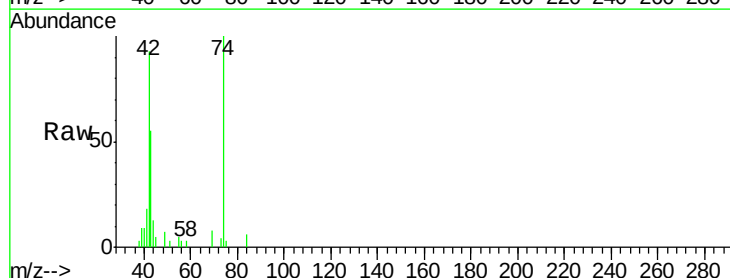
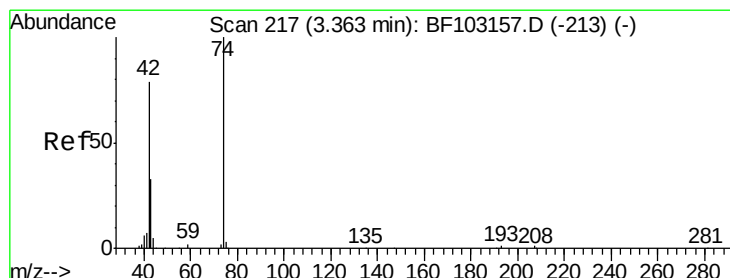
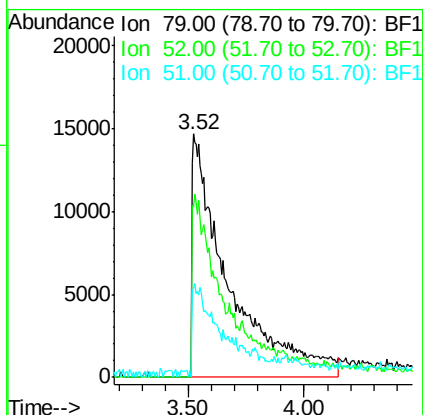
#3
 Pvridine
 Concen: 14.60 ng m
 RT: 3.52 min Scan# 244
 Delta R.T. 0.09 min
 Lab File: BF103587.D
 Acq: 12 Mar 2018 17:41

Tot Ion:	79	Resp:	160014
Ion Ratio	Lower	Upper	
79	100		
52	70.0	59.8	89.6
51	36.4	29.8	44.8

Instrument :
 BNA_F
 ClientSampleId :
 J1867-09MSMS

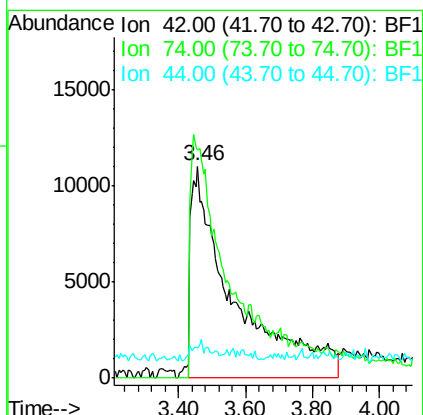
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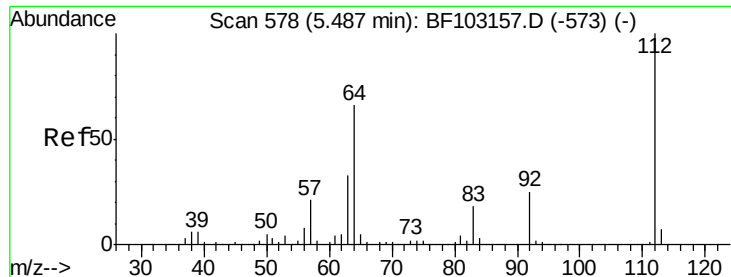
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#4
 n-Nitrosodimethylamine
 Concen: 22.33 ng m
 RT: 3.46 min Scan# 233
 Delta R.T. 0.07 min
 Lab File: BF103587.D
 Acq: 12 Mar 2018 17:41

Tgt Ion:	42	Resp:	98700
Ion Ratio	Lower	Upper	
42	100		
74	107.4	104.9	157.3
44	14.1	6.9	10.3#





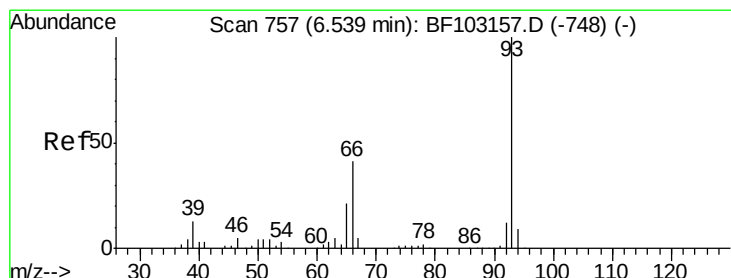
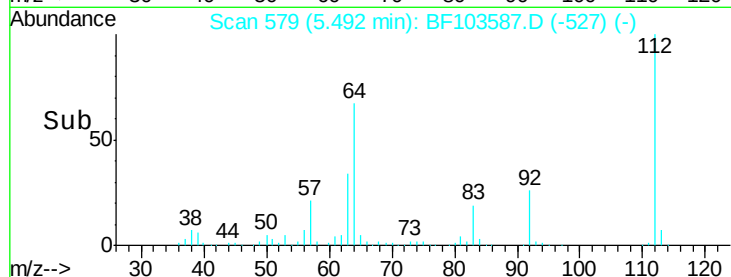
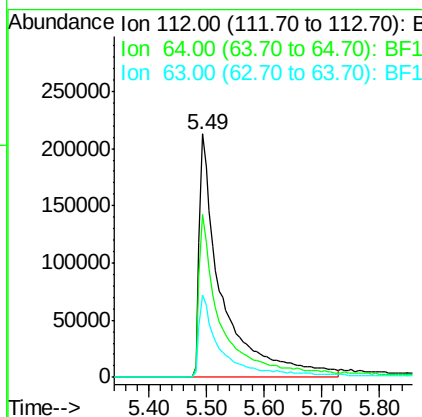
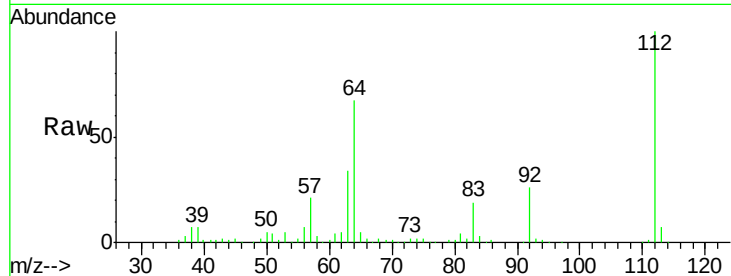
#5
2-Fluorophenol
Concen: 75.51 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Instrument :
BNA_F
ClientSampleId :
J1867-09MSMS

Tot Ion:	112	Resp:	586971
Ion Ratio	Lower	Upper	
112	100		
64	67.0	47.9	71.9
63	34.0	23.7	35.5

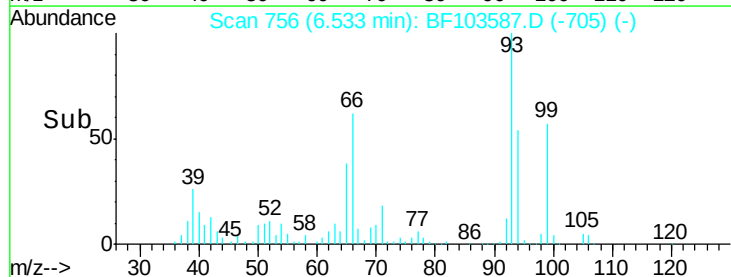
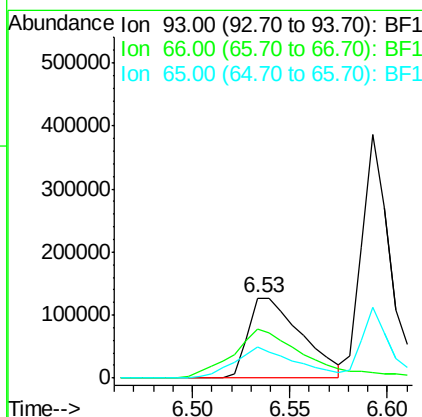
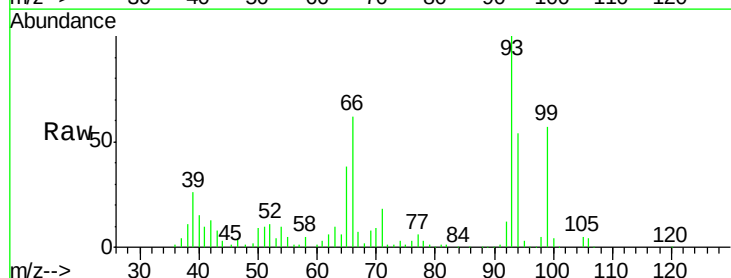
Manual Integrations
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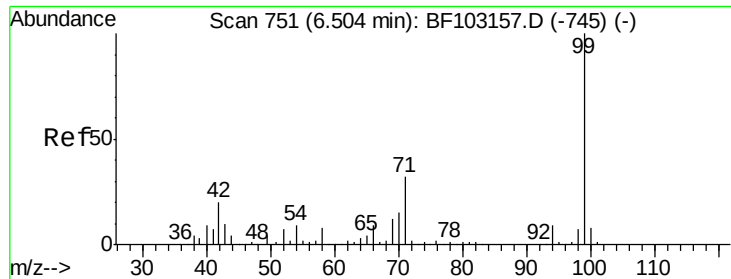
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#6
Aniline
Concen: 17.56 ng
RT: 6.53 min Scan# 756
Delta R.T. -0.00 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Tgt Ion:	93	Resp:	241009
Ion Ratio	Lower	Upper	
93	100		
66	61.7	32.2	48.2#
65	38.2	16.4	24.6#





#7

Phenol-d6

Concen: 51.91 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF103587.D

Acq: 12 Mar 2018 17:41

Instrument :

BNA_F

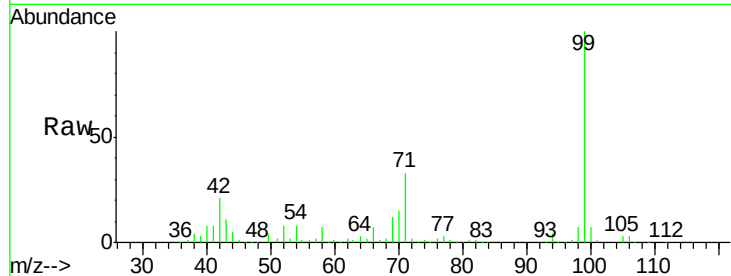
ClientSampleId :

J1867-09MSMS

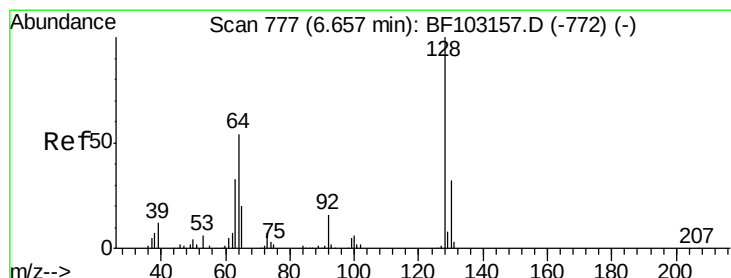
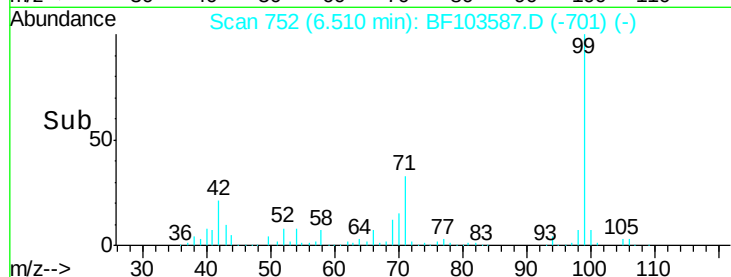
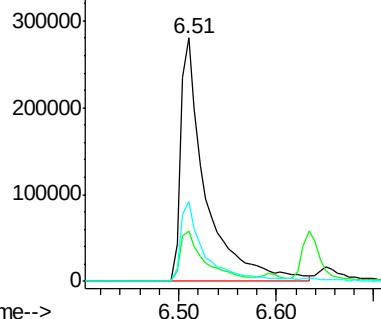
Tot Ion:	99	Resp:	493776
Ion Ratio	Lower	Upper	
99	100		
42	20.8	14.5	21.7
71	32.8	25.4	38.0

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



#8

2-Chlorophenol

Concen: 42.33 ng

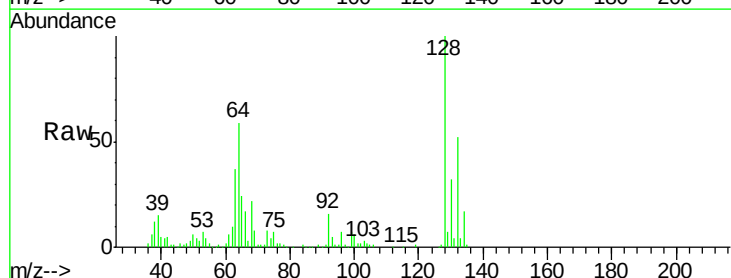
RT: 6.65 min Scan# 776

Delta R.T. -0.01 min

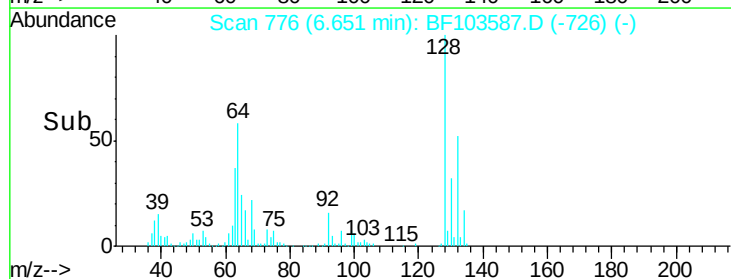
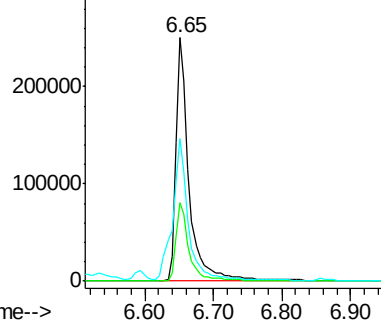
Lab File: BF103587.D

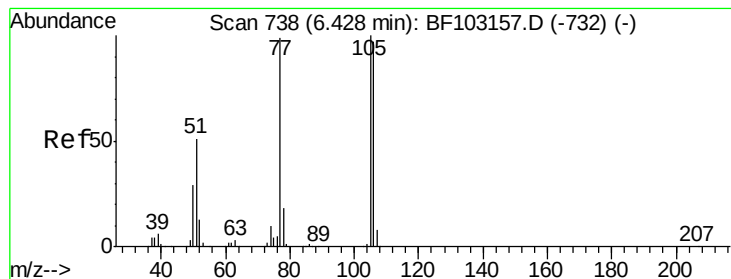
Acq: 12 Mar 2018 17:41

Tgt Ion:	128	Resp:	341770
Ion Ratio	Lower	Upper	
128	100		
130	32.5	13.0	53.0
64	58.6	29.4	69.4



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





#9

Benzaldehyde

Concen: 37.03 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF103587.D

Acq: 12 Mar 2018 17:41

Instrument :

BNA_F

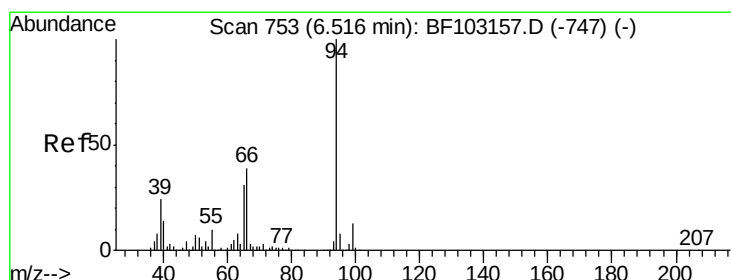
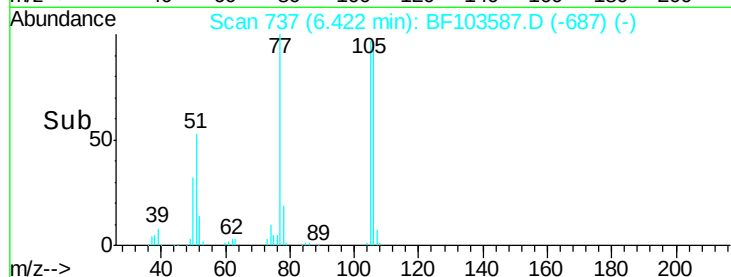
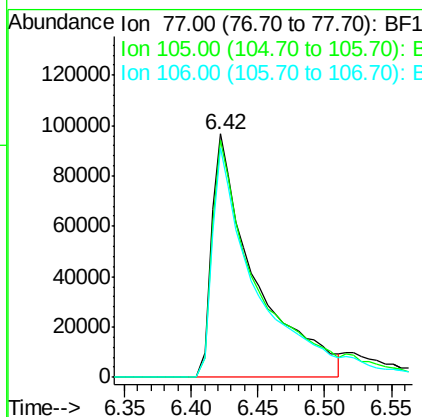
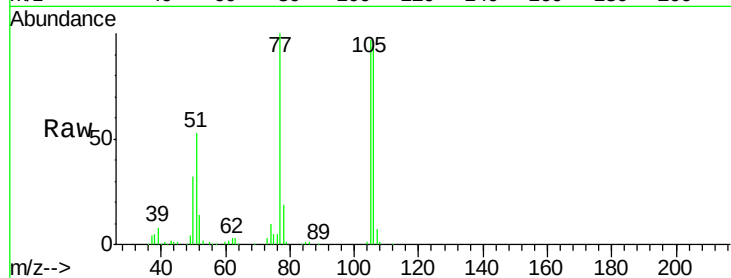
ClientSampleId :

J1867-09MSMS

Tot Ion:	77	Resp:	218780
Ion Ratio	Lower	Upper	
77	100		
105	97.3	81.1	121.1
106	94.0	74.5	114.5

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#10

Phenol

Concen: 16.88 ng

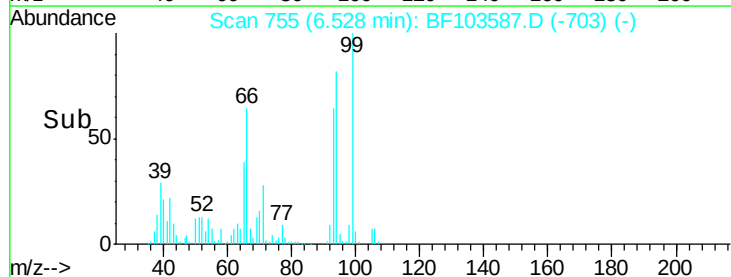
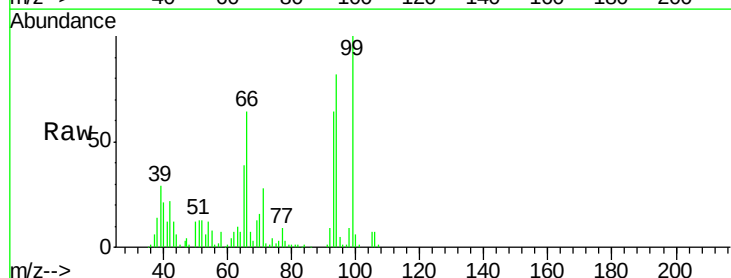
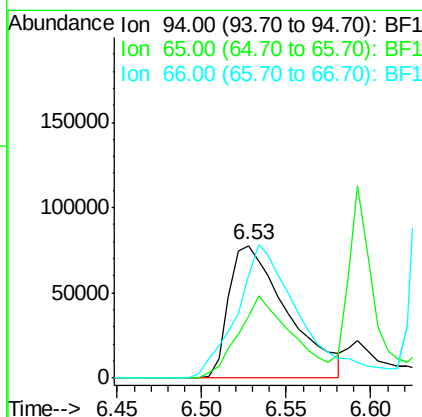
RT: 6.53 min Scan# 755

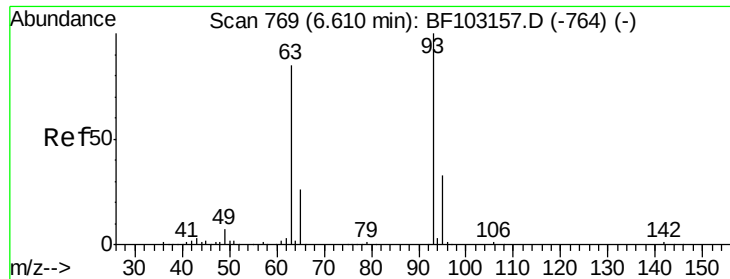
Delta R.T. 0.01 min

Lab File: BF103587.D

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Tgt Ion:	94	Resp:	186387
Ion Ratio	Lower	Upper	
94	100		
65	47.0	7.9	47.9
66	77.6	16.2	56.2#





#11

bis(2-Chloroethyl)ether

Concen: 44.83 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF103587.D

Acq: 12 Mar 2018 17:41

Instrument :

BNA_F

ClientSampleId :

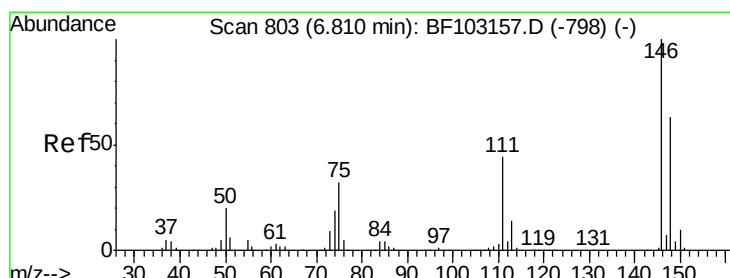
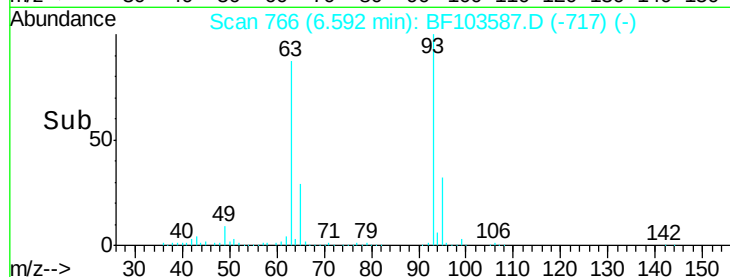
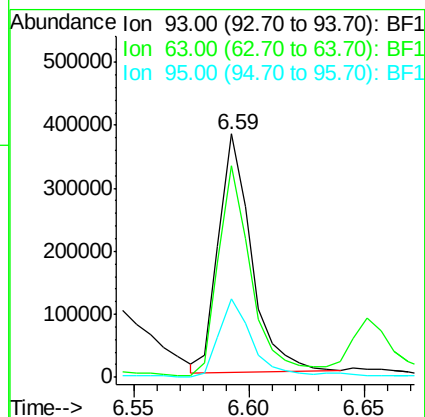
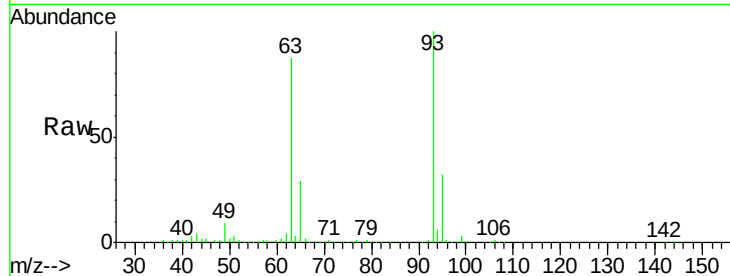
J1867-09MSMS

Tot Ion: 93 Resp: 375666

Ion	Ratio	Lower	Upper
93	100		
63	86.7	58.6	98.6
95	32.3	11.8	51.8

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#12

1,3-Dichlorobenzene

Concen: 40.79 ng

RT: 6.80 min Scan# 801

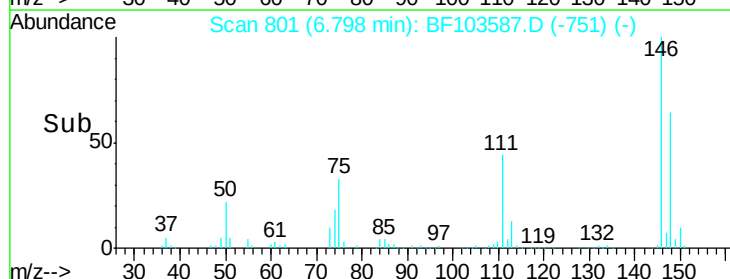
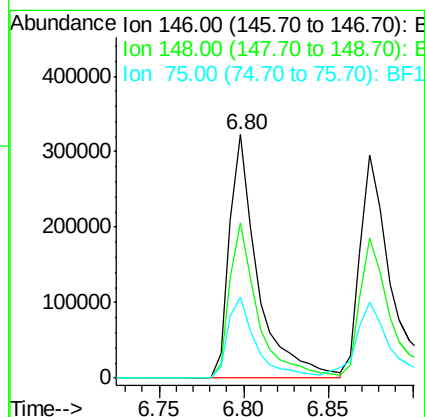
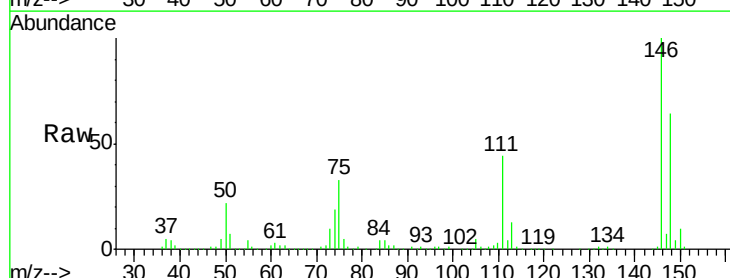
Delta R.T. -0.01 min

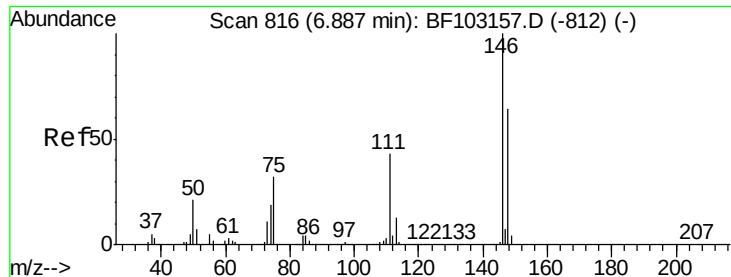
Lab File: BF103587.D

Acq: 12 Mar 2018 17:41

Tgt Ion: 146 Resp: 376368

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.8	77.8
75	33.4	24.2	36.4





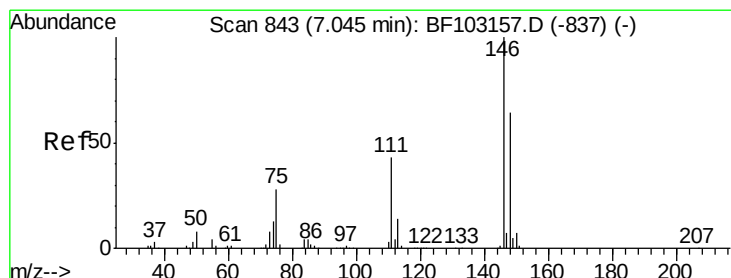
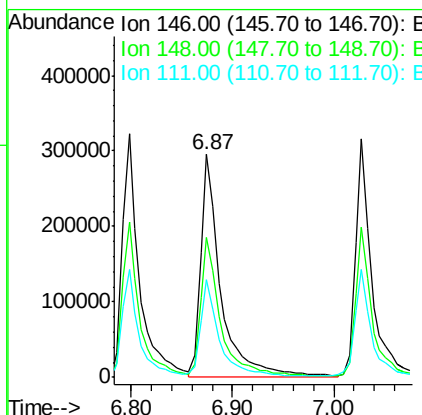
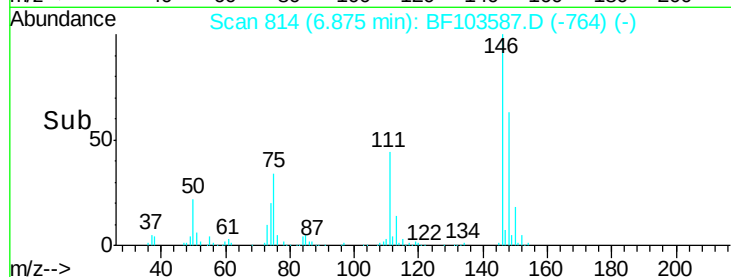
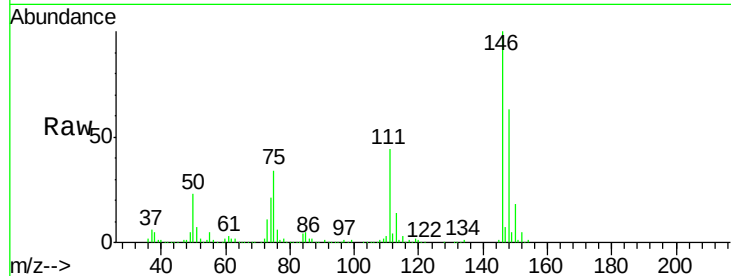
#13
1,4-Dichlorobenzene
Concen: 43.51 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Instrument :
BNA_F
ClientSampleId :
J1867-09MSMS

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.8	76.2
111	43.8	34.2	51.2

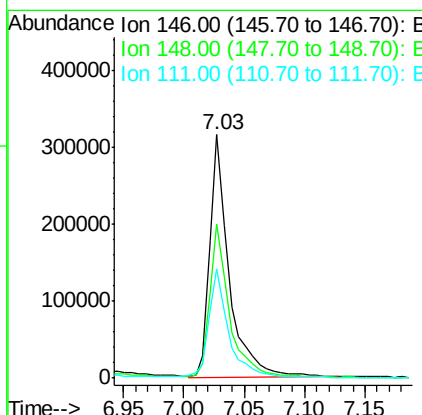
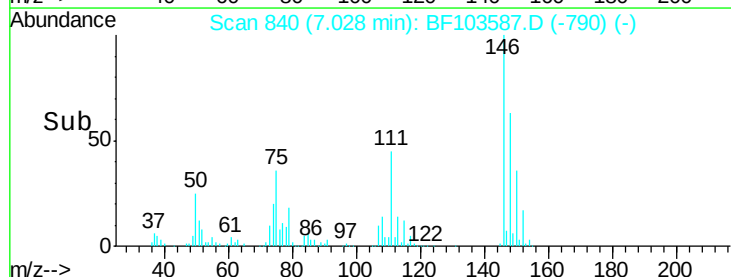
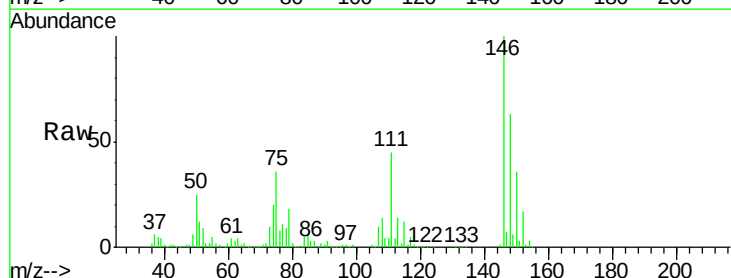
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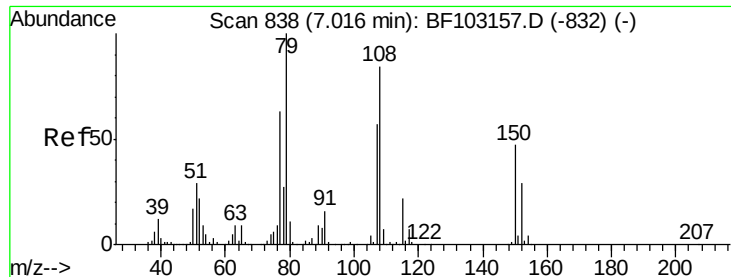
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#14
1,2-Dichlorobenzene
Concen: 40.61 ng
RT: 7.03 min Scan# 840
Delta R.T. -0.01 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.6	75.8
111	44.9	36.0	54.0





#15

Benzyl Alcohol

Concen: 30.68 ng

RT: 7.02 min Scan# 838

Delta R.T. -0.00 min

Lab File: BF103587.D

Acq: 12 Mar 2018 17:41

Instrument :

BNA_F

ClientSampleId :

J1867-09MSMS

Tot Ion: 79 Resp: 219918

Ion Ratio Lower Upper

79 100

108 77.4 65.1 97.7

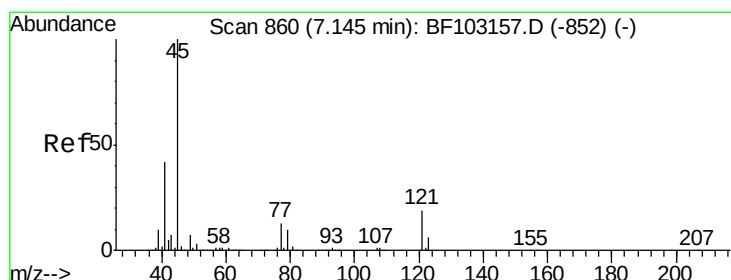
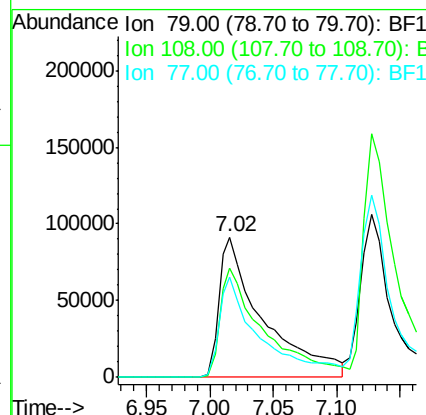
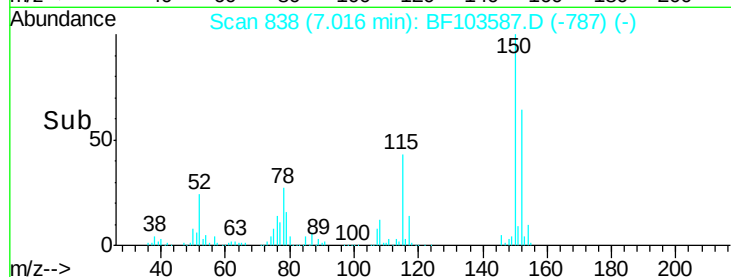
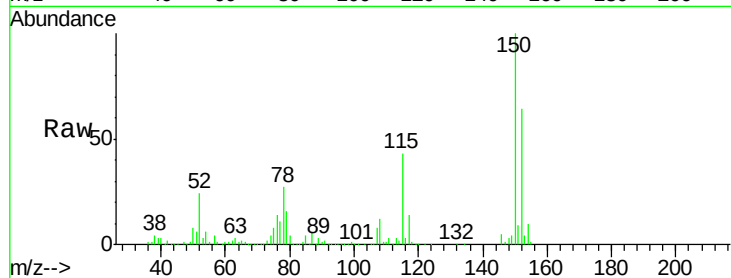
77 71.0 50.6 75.8

Manual Integrations

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#16

2,2'-oxybis(1-chloropropane)

Concen: 46.41 ng

RT: 7.13 min Scan# 857

Delta R.T. -0.01 min

Lab File: BF103587.D

Acq: 12 Mar 2018 17:41

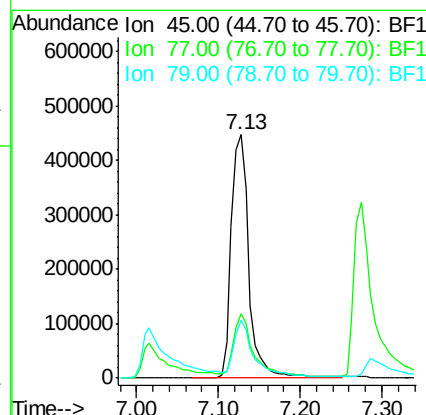
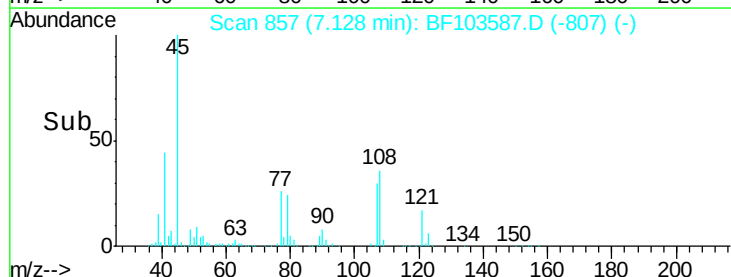
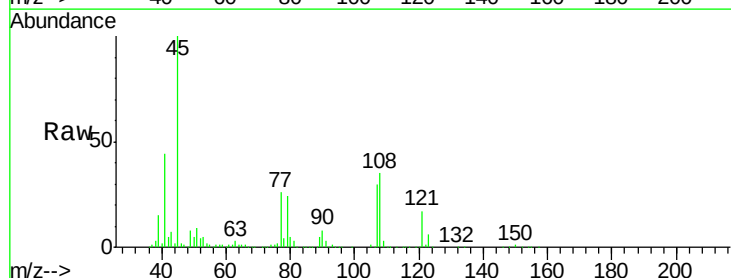
Tgt Ion: 45 Resp: 667916

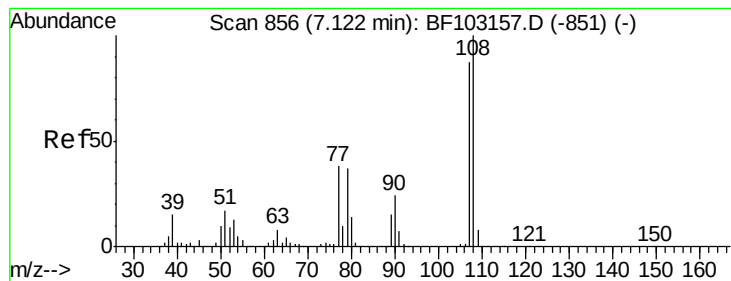
Ion Ratio Lower Upper

45 100

77 26.5 0.0 32.9

79 23.7 0.0 29.6





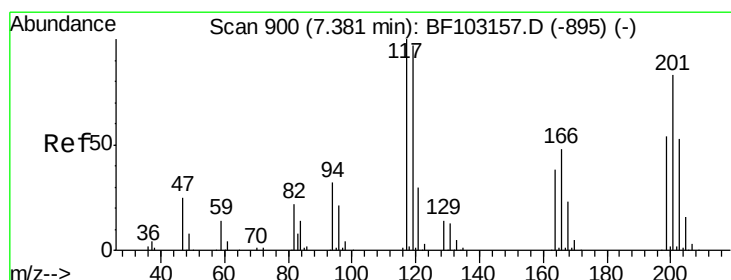
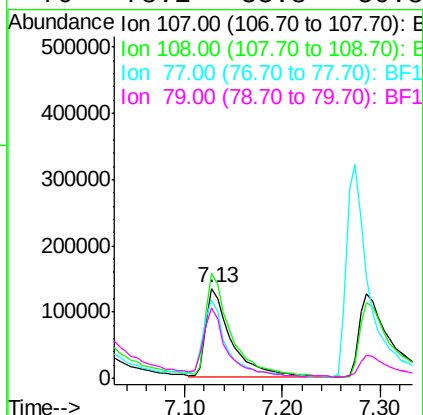
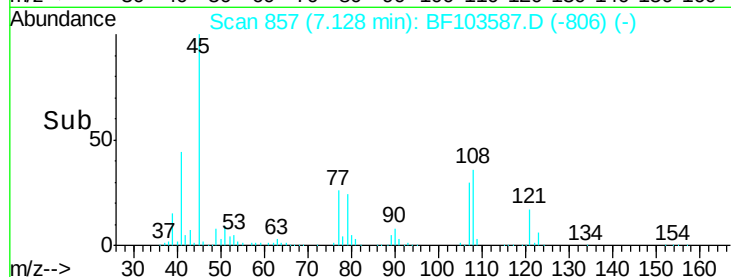
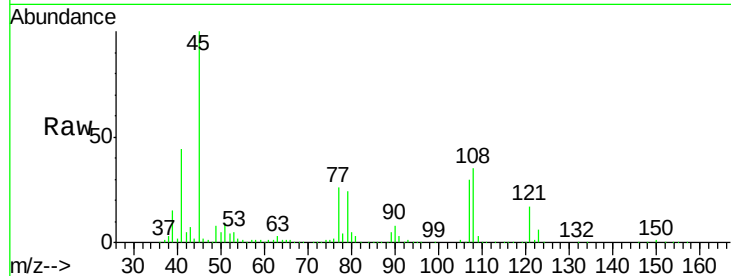
#17
2-Methylphenol
Concen: 33.44 ng
RT: 7.13 min Scan# 857
Delta R.T. -0.00 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Instrument :
BNA_F
ClientSampleId :
J1867-09MSMS

Tot Ion	Ratio	Lower	Upper
107	100		
108	117.0	91.7	137.5
77	87.3	33.8	50.8#
79	78.1	33.8	50.8#

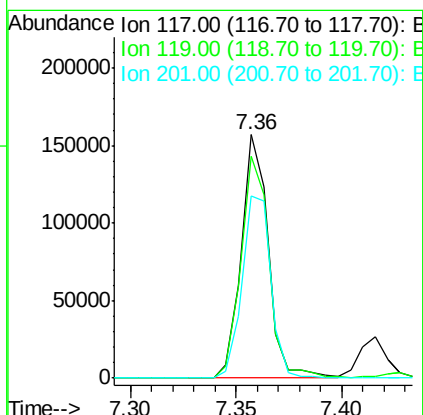
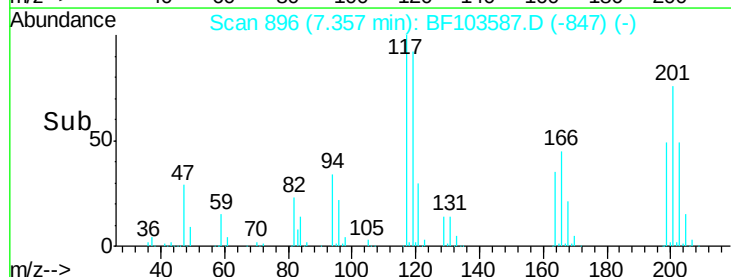
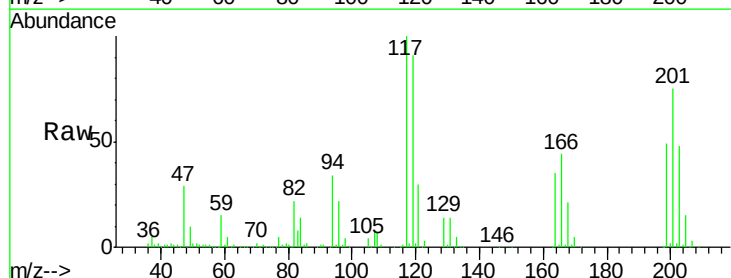
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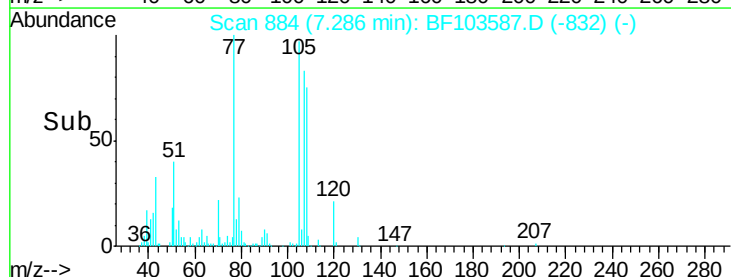
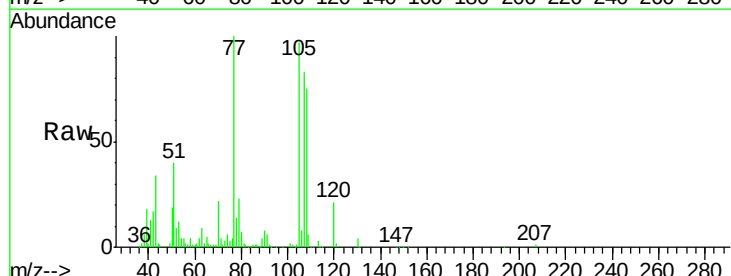
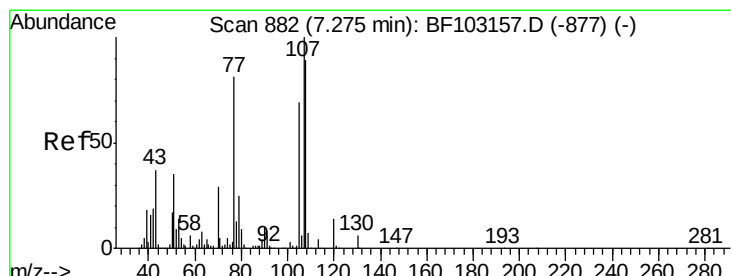
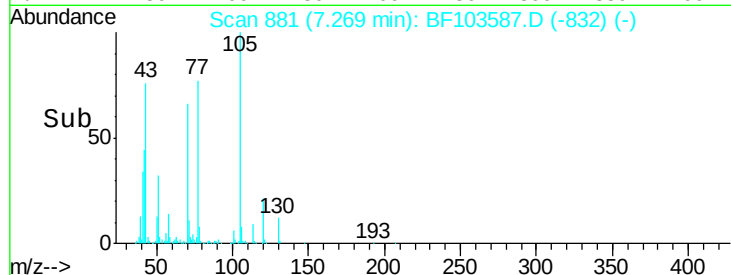
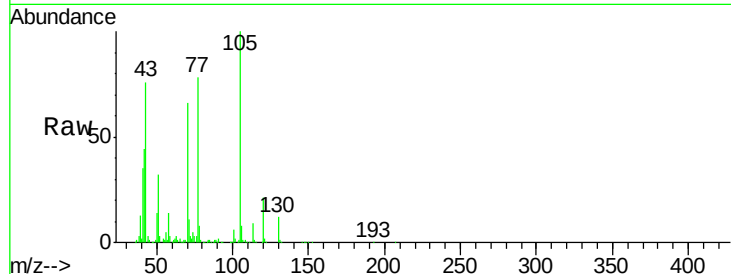
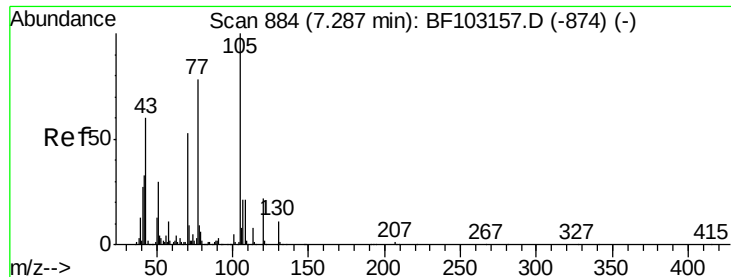
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#18
Hexachloroethane
Concen: 41.49 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

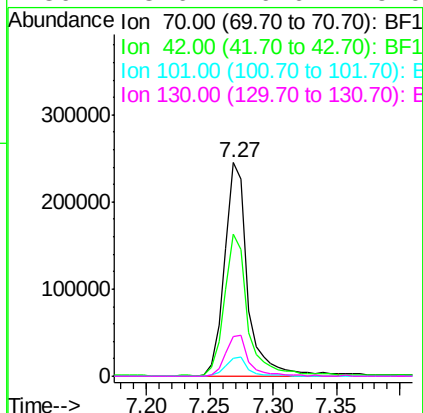
Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.2	75.8	113.8
201	75.0	75.7	113.5#





#19
n-Nitroso-di-n-propylamine
Concen: 52.84 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Tot Ion	Ratio	Lower	Upper
70	100		
42	66.8	47.5	71.3
101	8.6	7.4	11.2
130	18.6	16.6	25.0



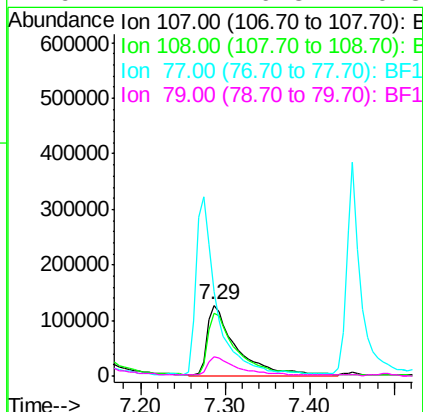
Instrument :
BNA_F
ClientSampleId :
J1867-09MSMS

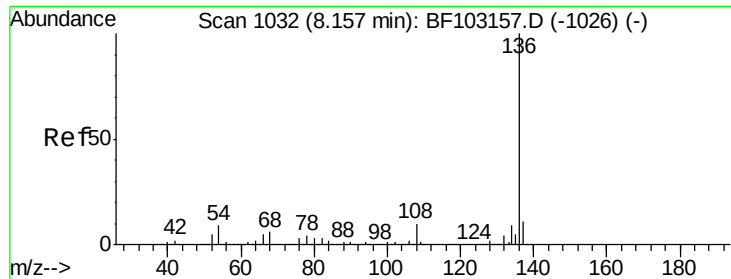
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#20
3+4-Methylphenols
Concen: 34.23 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.01 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.9	68.2	108.2
77	120.3	26.7	66.7#
79	27.7	6.3	46.3





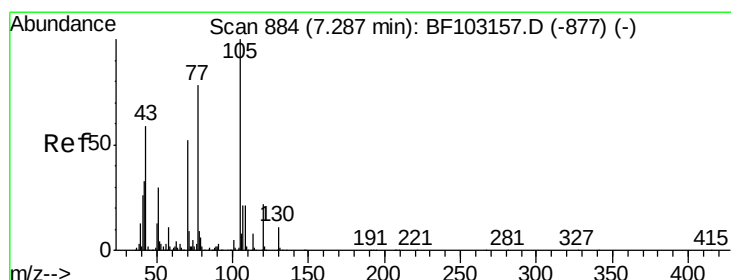
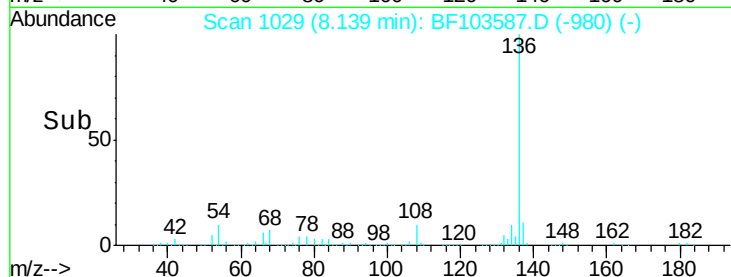
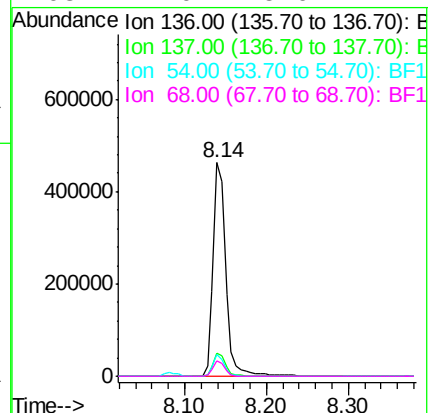
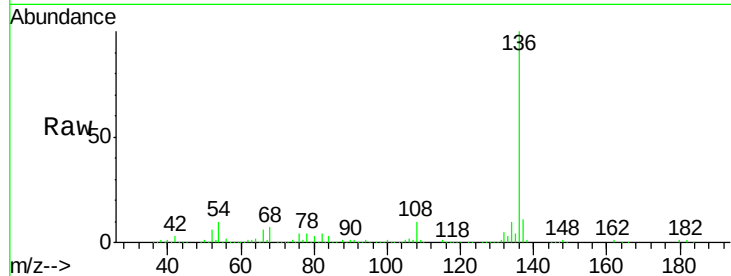
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Instrument :
BNA_F
ClientSampleId :
J1867-09MSMS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	501352		
137	11.1	8.9	13.3	
54	10.3	6.6	9.8	
68	7.0	5.0	7.4	

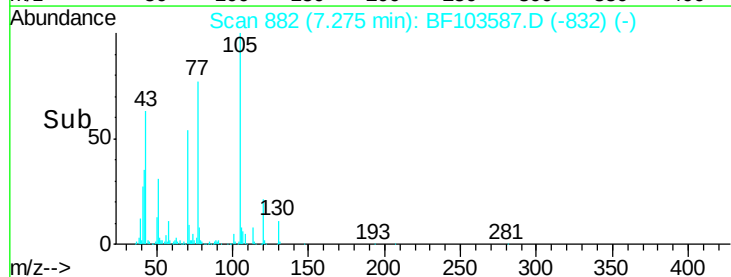
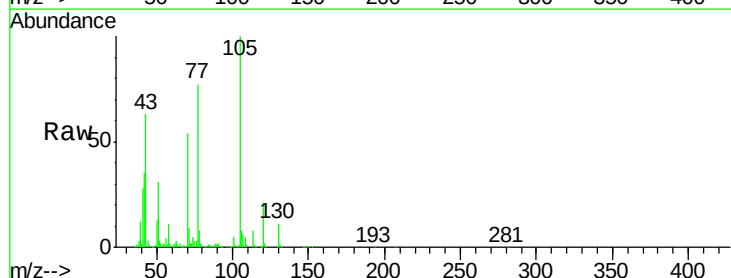
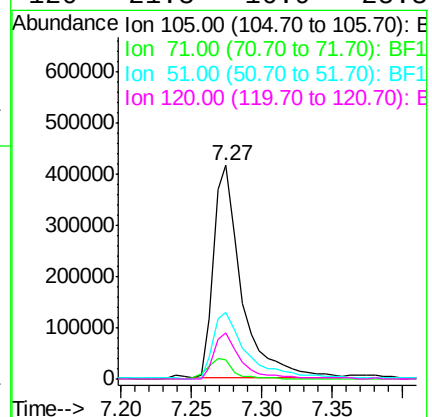
Manual Integrations
APPROVED

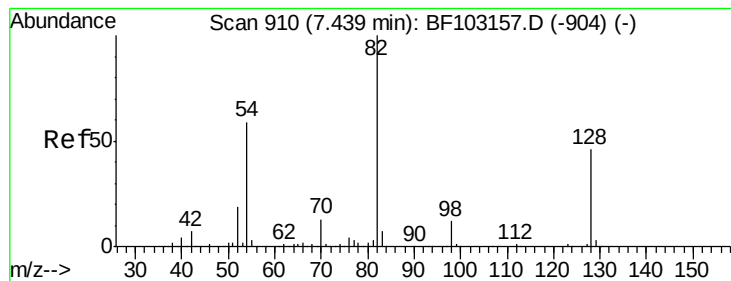
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#22
Acetophenone
Concen: 48.69 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	569758		
71	9.1	4.4	6.6	
51	31.3	22.3	33.5	
120	21.3	16.9	25.3	





#23

Nitrobenzene-d5

Concen: 102.15 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF103587.D

Acq: 12 Mar 2018 17:41

Instrument :

BNA_F

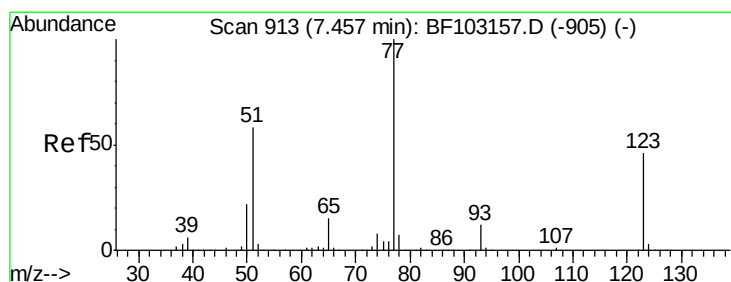
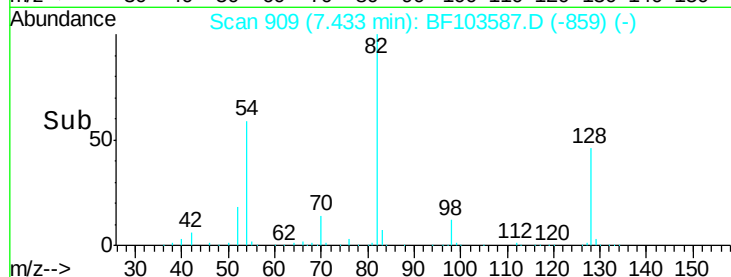
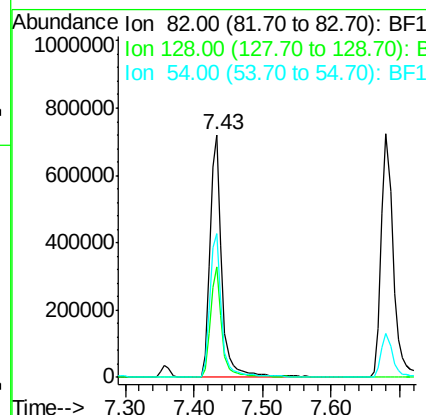
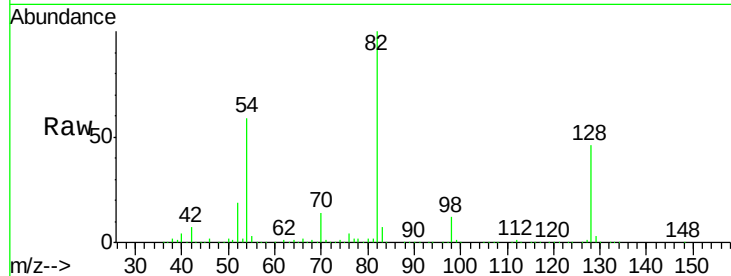
ClientSampleId :

J1867-09MSMS

Tot Ion:	82	Resp:	896791
Ion Ratio	Lower	Upper	
82	100		
128	45.6	36.1	54.1
54	59.2	41.4	62.2

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#24

Nitrobenzene

Concen: 47.41 ng

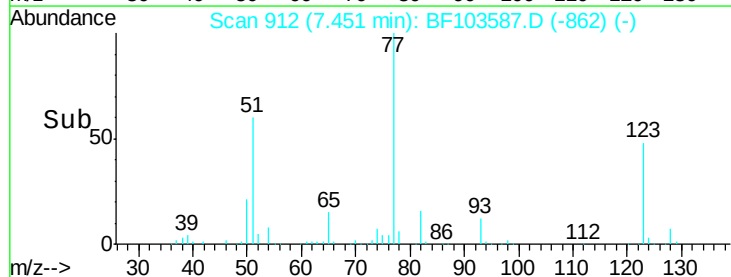
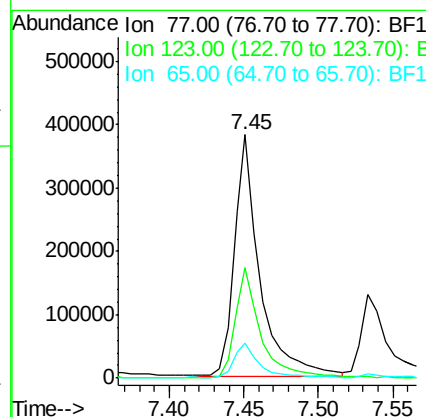
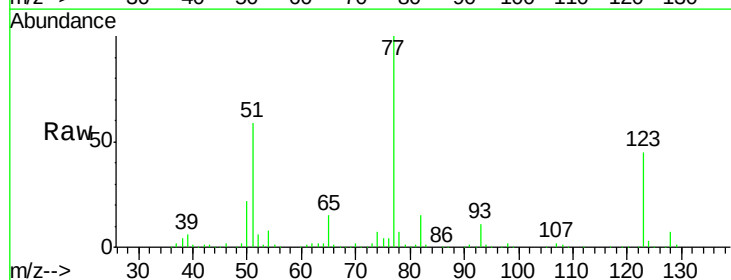
RT: 7.45 min Scan# 912

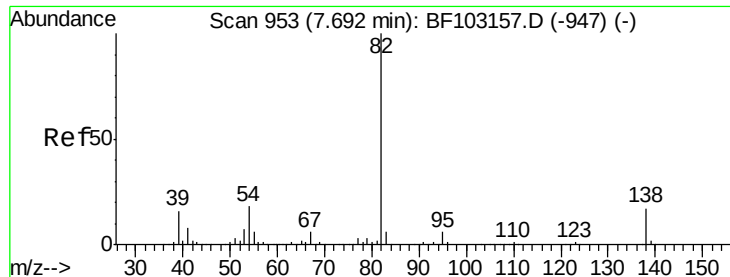
Delta R.T. -0.01 min

Lab File: BF103587.D

Acq: 12 Mar 2018 17:41

Tgt Ion:	77	Resp:	458281
Ion Ratio	Lower	Upper	
77	100		
123	45.5	37.9	56.9
65	14.6	11.0	16.4





#25

Isophorone

Concen: 50.46 ng

RT: 7.68 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF103587.D

Acq: 12 Mar 2018 17:41

Instrument :

BNA_F

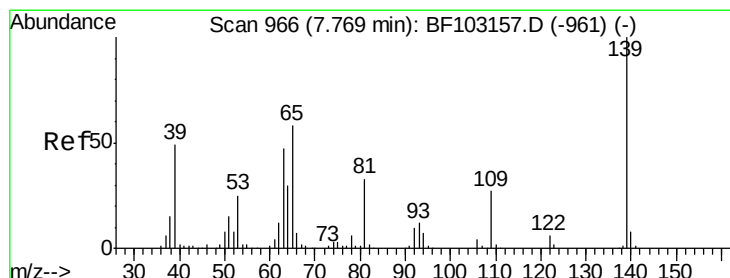
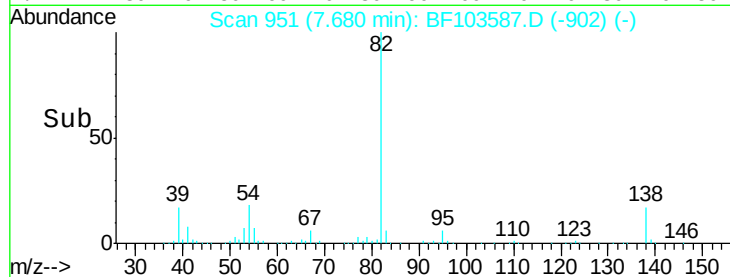
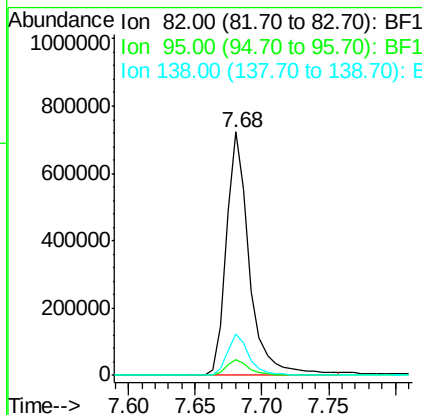
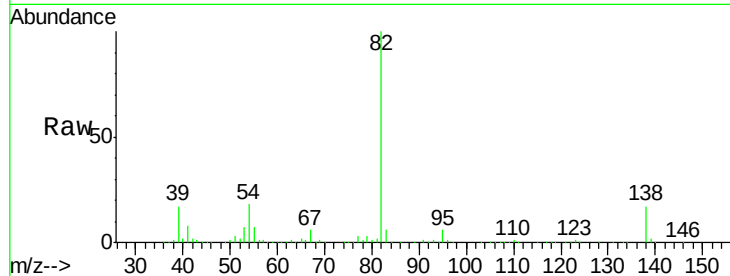
ClientSampleId :

J1867-09MSMS

Tot Ion:	82	Resp:	872509
Ion Ratio		Lower	Upper
82	100		
95	6.2	5.2	7.8
138	16.8	14.9	22.3

Manual Integrations
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#26

2-Nitrophenol

Concen: 49.66 ng

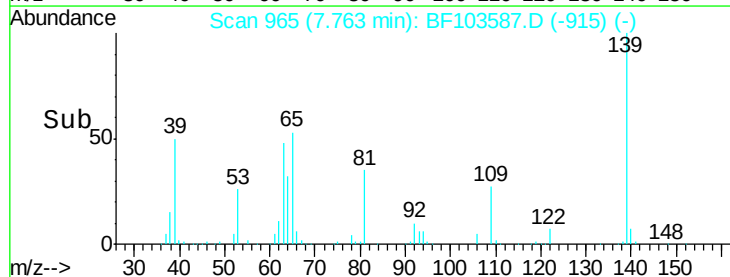
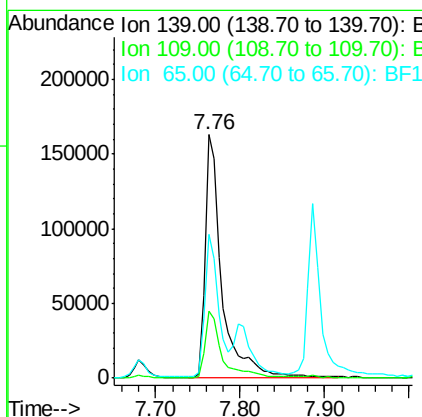
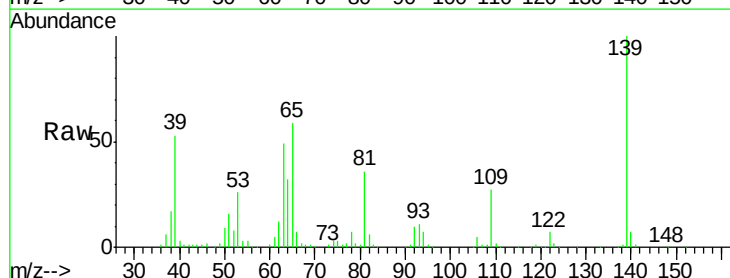
RT: 7.76 min Scan# 965

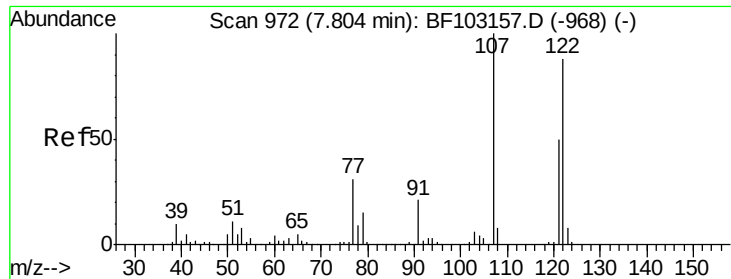
Delta R.T. -0.01 min

Lab File: BF103587.D

Acq: 12 Mar 2018 17:41

Tgt Ion:	139	Resp:	225952
Ion Ratio		Lower	Upper
139	100		
109	27.5	22.7	34.1
65	59.2	40.5	60.7





#27

2,4-Dimethylphenol

Concen: 49.25 ng

RT: 7.80 min Scan# 972

Delta R.T. -0.00 min

Lab File: BF103587.D

Acq: 12 Mar 2018 17:41

Instrument :

BNA_F

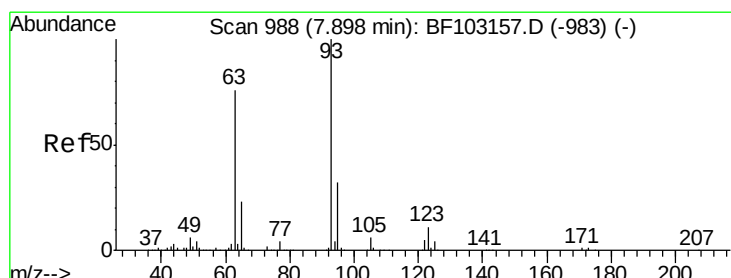
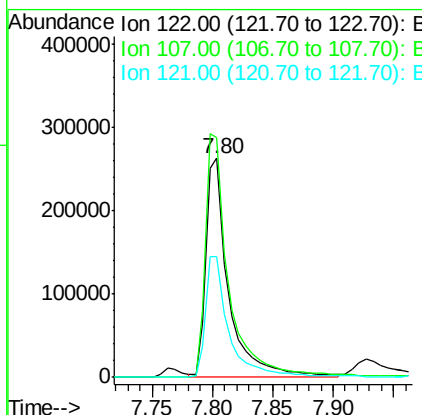
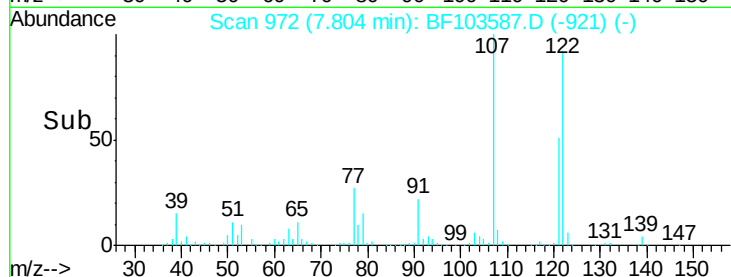
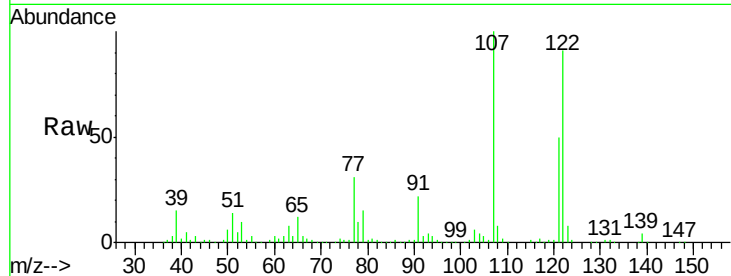
ClientSampleId :

J1867-09MSMS

Tot Ion:	122	Resp:	342508
Ion Ratio	Lower	Upper	
122	100		
107	109.5	91.2	136.8
121	55.2	47.2	70.8

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#28

bis(2-Chloroethoxy)methane

Concen: 51.89 ng

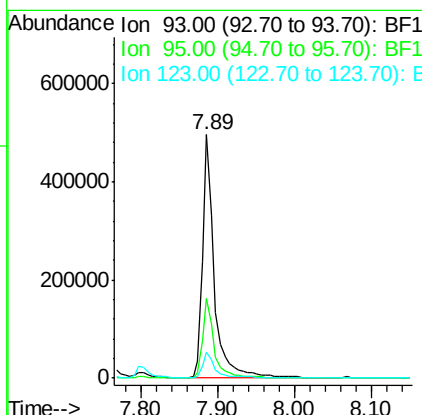
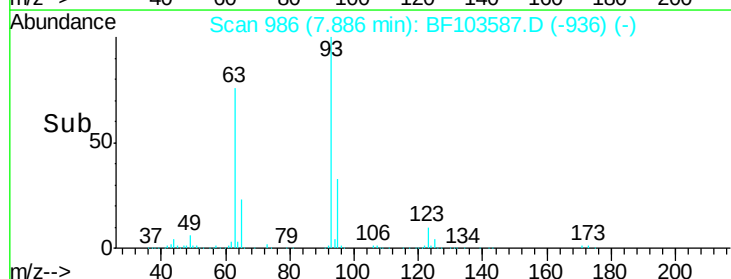
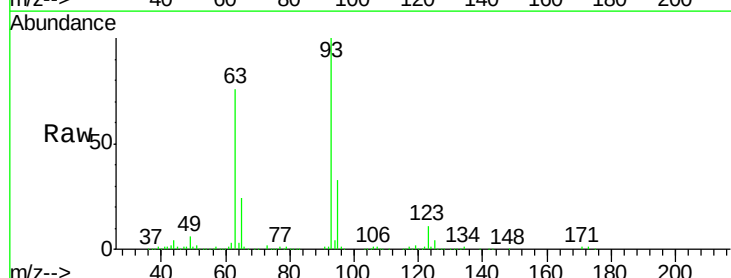
RT: 7.89 min Scan# 986

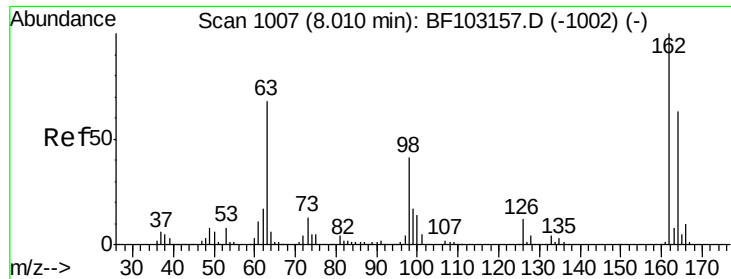
Delta R.T. -0.01 min

Lab File: BF103587.D

Acq: 12 Mar 2018 17:41

Tgt Ion:	93	Resp:	527447
Ion Ratio	Lower	Upper	
93	100		
95	32.9	26.3	39.5
123	10.6	9.8	14.6





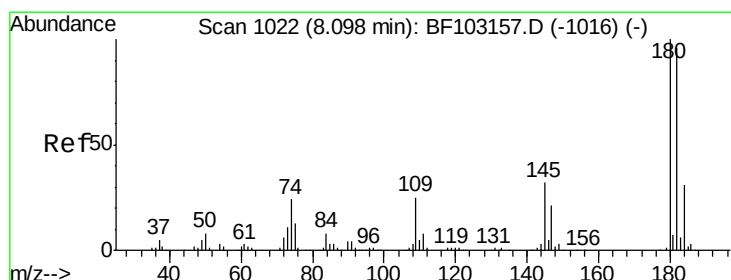
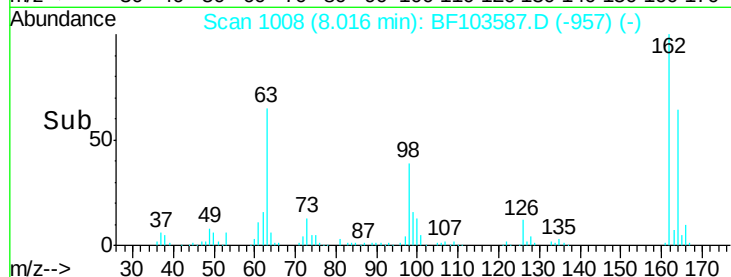
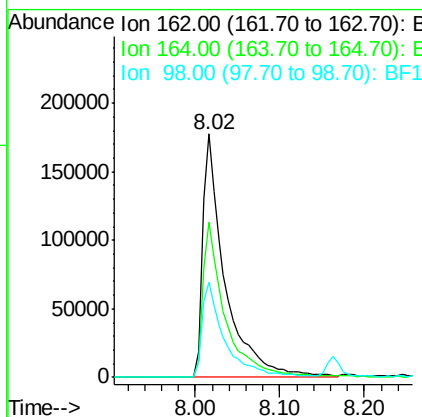
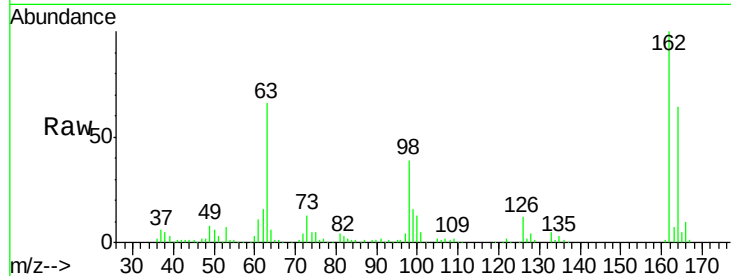
#29
2,4-Dichlorophenol
Concen: 48.72 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Instrument :
BNA_F
ClientSampleId :
J1867-09MSMS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	324420		
164	63.8	42.7	82.7	
98	39.0	18.1	58.1	

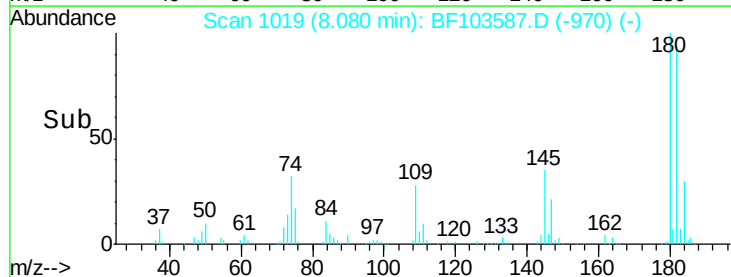
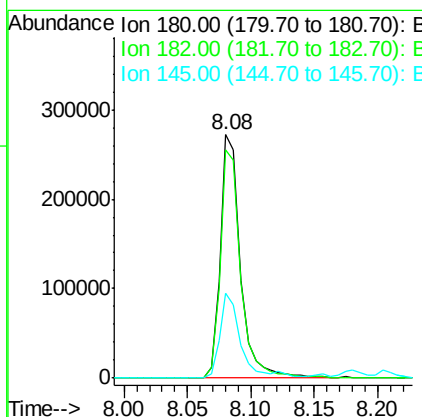
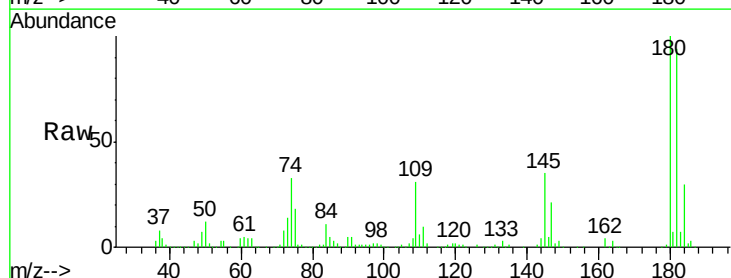
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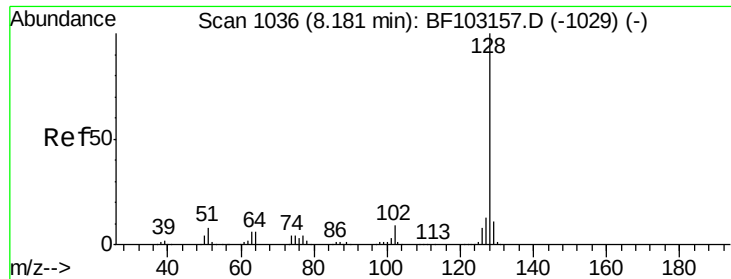
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#30
1,2,4-Trichlorobenzene
Concen: 42.80 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	303470		
182	93.9	76.8	115.2	
145	35.1	26.5	39.7	





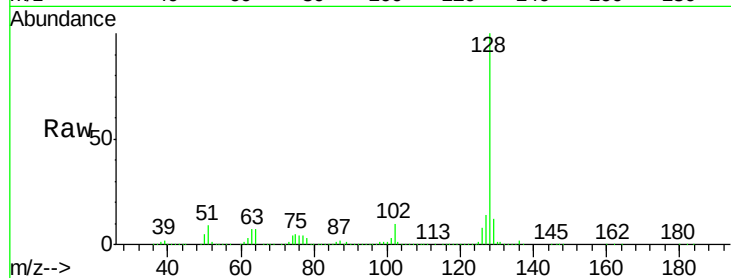
#31
Naphthalene
Concen: 46.62 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Instrument :
BNA_F
ClientSampled :
J1867-09MSMS

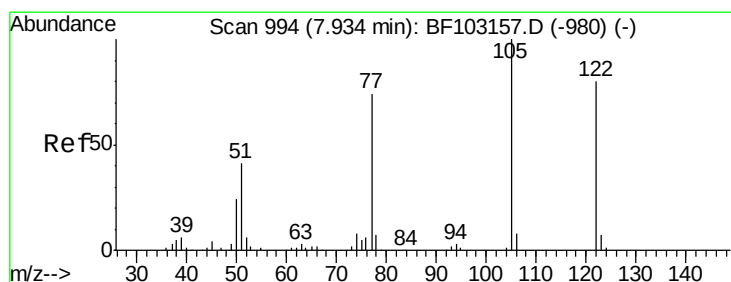
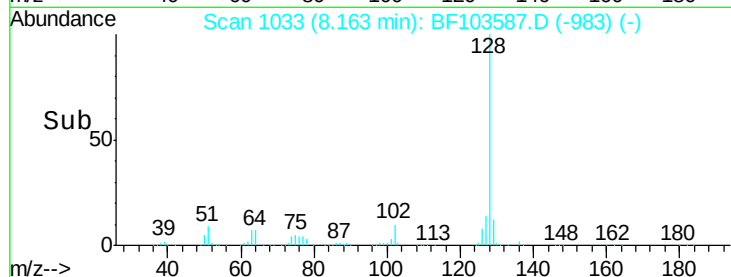
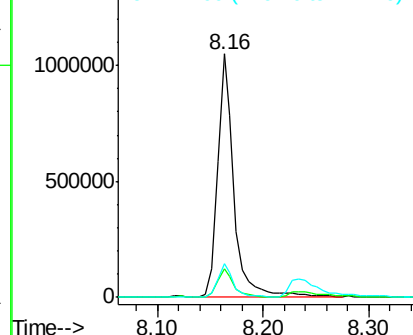
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.8	13.2
127	13.7	10.9	16.3

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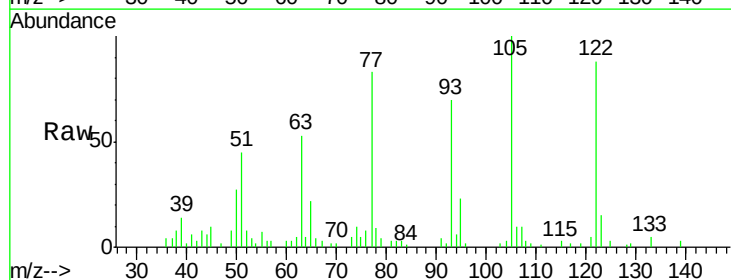


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

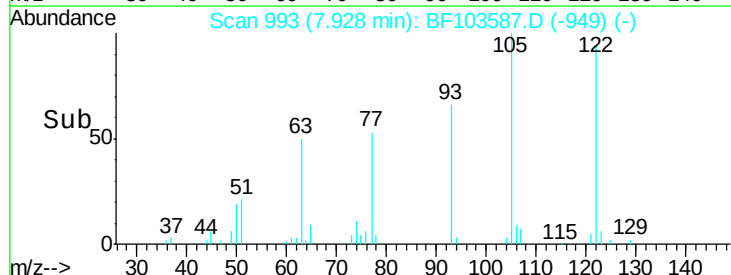
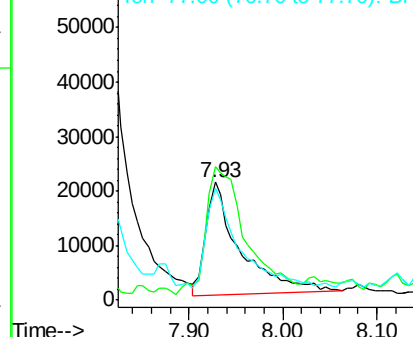


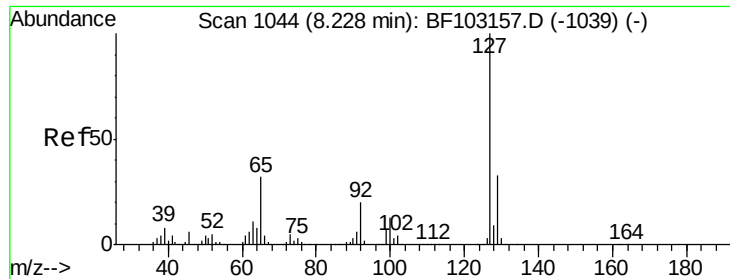
#32
Benzoic acid
Concen: 15.66 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.04 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Tgt Ion	Ratio	Lower	Upper
122	100		
105	113.8	101.1	141.1
77	94.9	70.7	110.7



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





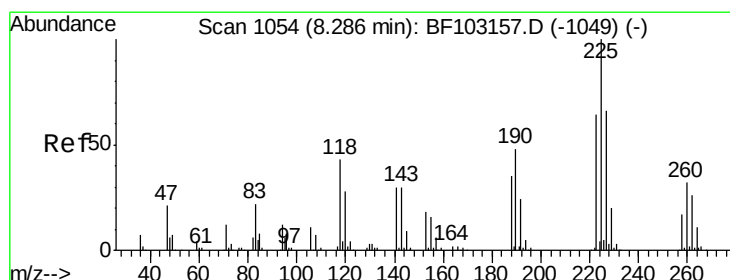
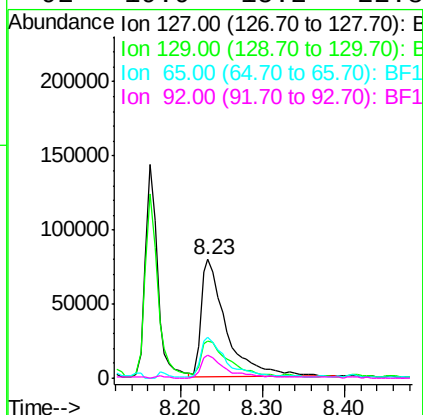
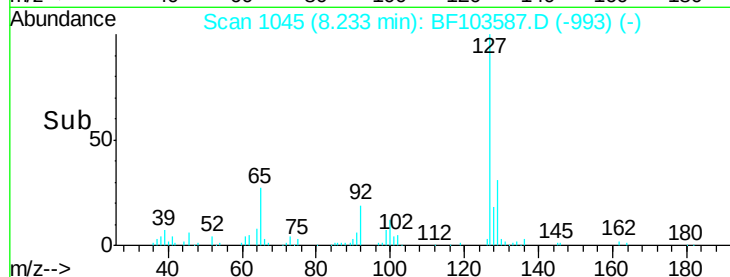
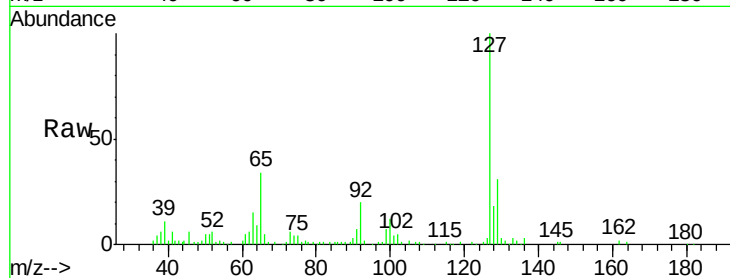
#33
4-Chloroaniline
Concen: 16.24 ng
RT: 8.23 min Scan# 1045
Delta R.T. 0.01 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Instrument :
BNA_F
ClientSampleId :
J1867-09MSMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		171979		
129	31.5	25.9	38.9		
65	34.1	25.0	37.4		
92	19.9	15.2	22.8		

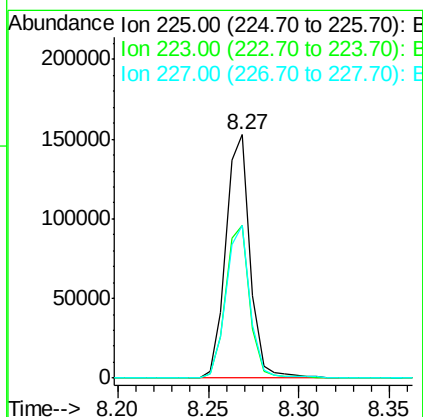
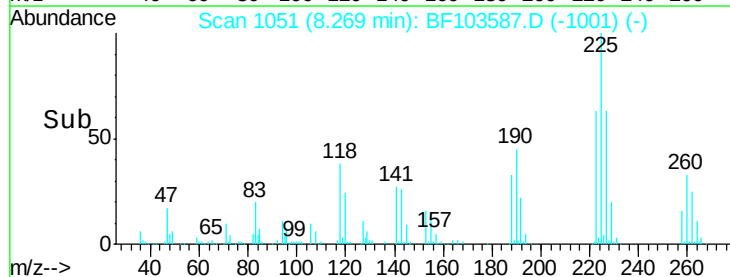
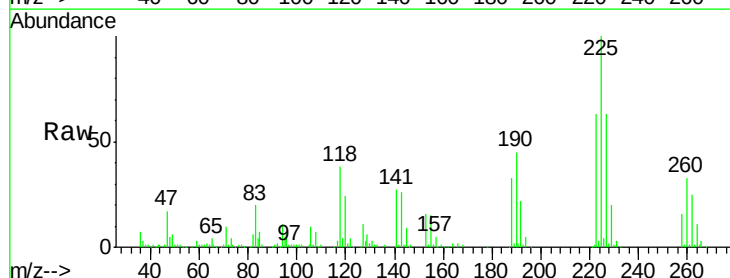
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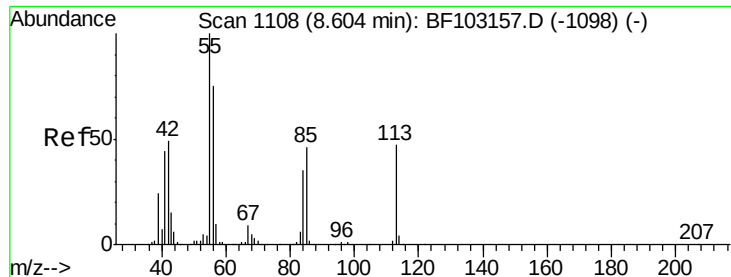
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#34
Hexachlorobutadiene
Concen: 38.56 ng
RT: 8.27 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		142399		
223	62.9	50.6	76.0		
227	62.6	51.9	77.9		





#35

Caprolactam

Concen: 24.79 ng

RT: 8.60 min Scan# 1108

Delta R.T. -0.01 min

Lab File: BF103587.D

Acq: 12 Mar 2018 17:41

Instrument :

BNA_F

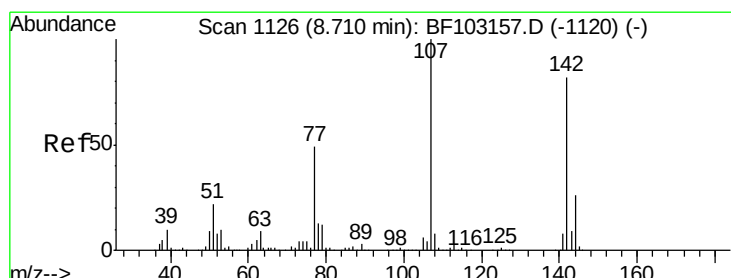
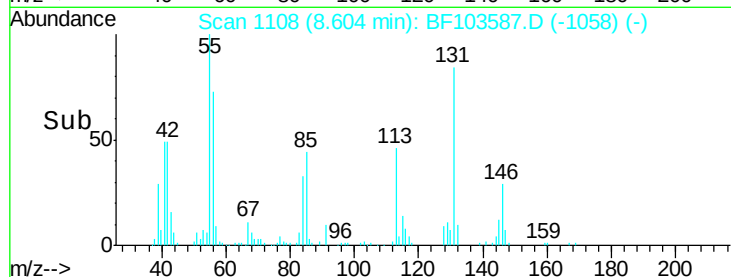
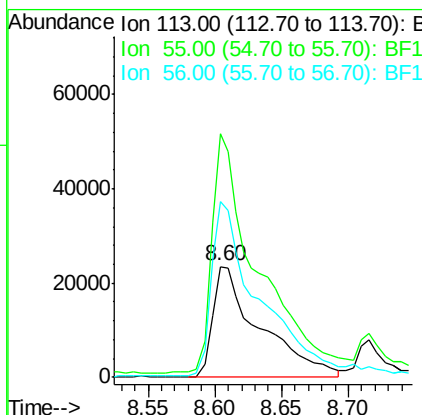
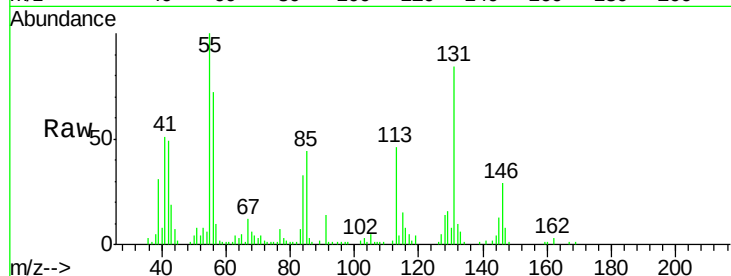
ClientSampleId :

J1867-09MSMS

Tot Ion:113 Resp: 58013
 Ion Ratio Lower Upper
 113 100
 55 219.1 163.3 203.3#
 56 157.8 115.7 155.7#

Manual Integrations
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#36

4-Chloro-3-methylphenol

Concen: 46.96 ng

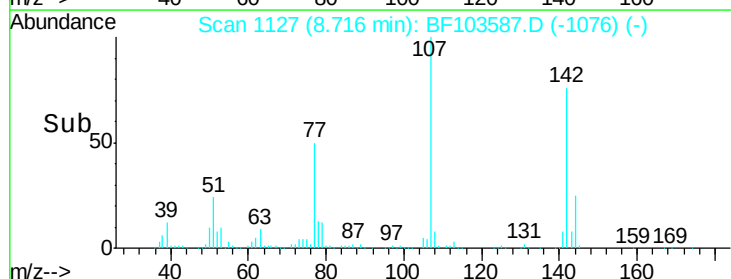
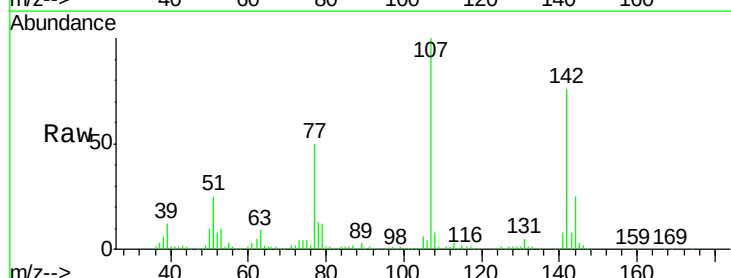
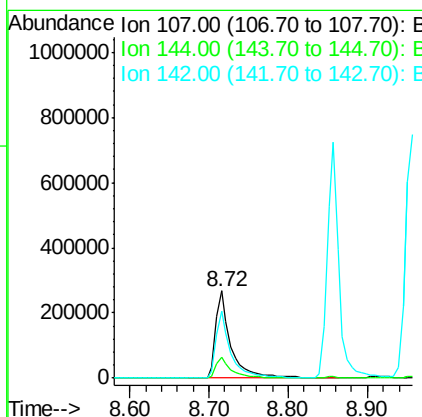
RT: 8.72 min Scan# 1127

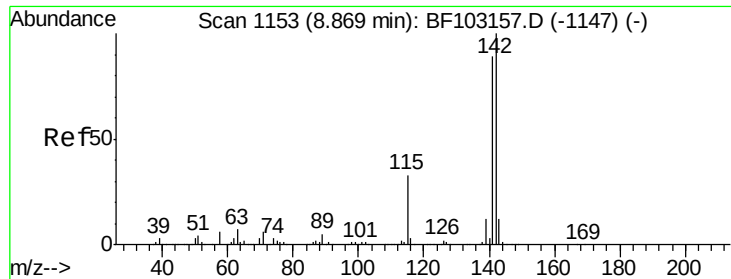
Delta R.T. -0.00 min

Lab File: BF103587.D

Acq: 12 Mar 2018 17:41

Tgt Ion:107 Resp: 352668
 Ion Ratio Lower Upper
 107 100
 144 24.5 20.5 30.7
 142 76.2 62.0 93.0





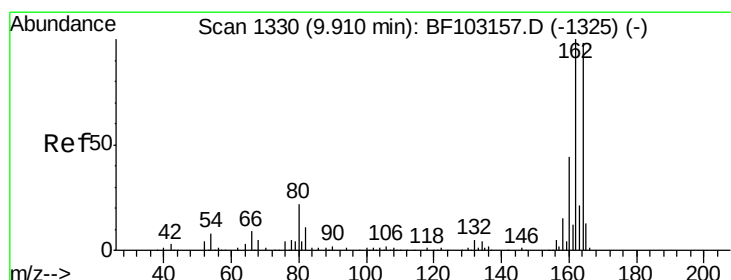
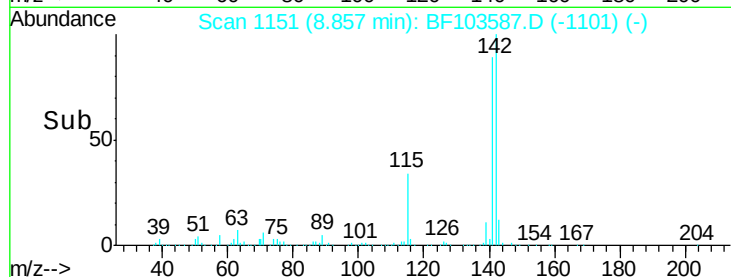
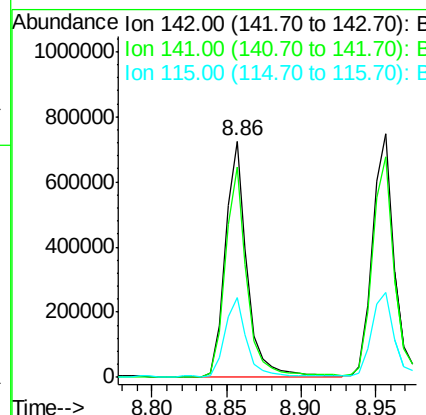
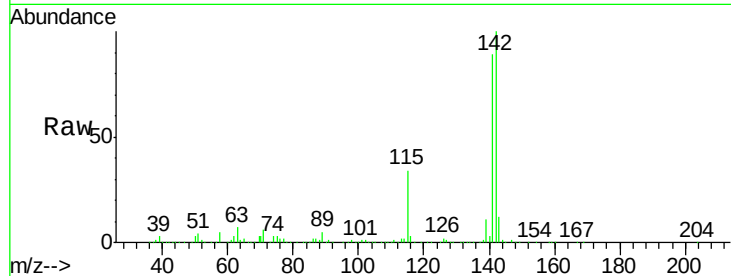
#37
2-Methylnaphthalene
Concen: 47.08 ng
RT: 8.86 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Instrument :
BNA_F
ClientSampleId :
J1867-09MSMS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.8	106.2
115	33.9	26.1	39.1

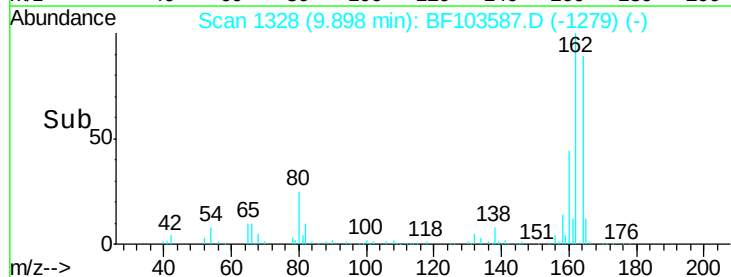
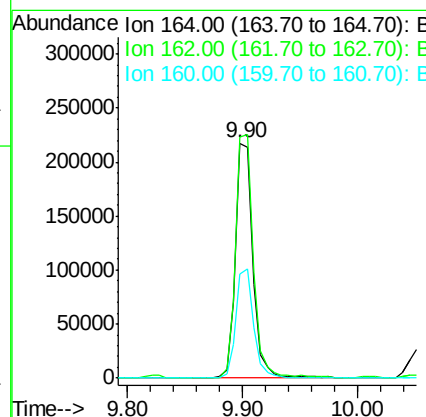
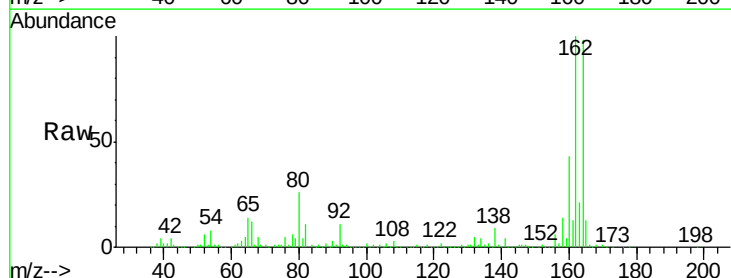
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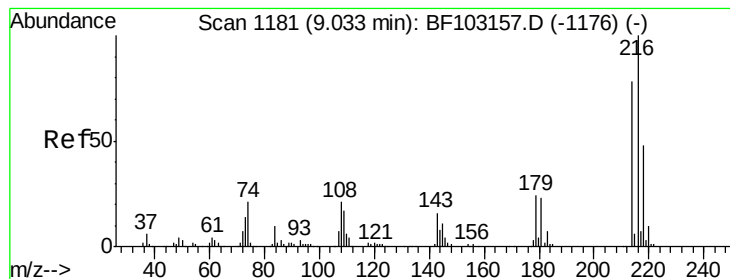
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	86.1	129.1
160	44.6	38.3	57.5





#39

1,2,4,5-Tetrachlorobenzene

Concen: 45.44 ng

RT: 9.02 min Scan# 1179

Delta R.T. -0.01 min

Lab File: BF103587.D

Acq: 12 Mar 2018 17:41

Instrument :

BNA_F

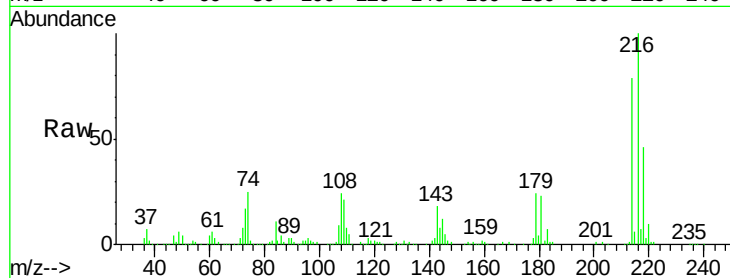
ClientSampleId :

J1867-09MSMS

Tot Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.0	94.4
179	23.4	18.1	27.1
108	24.4	17.2	25.8

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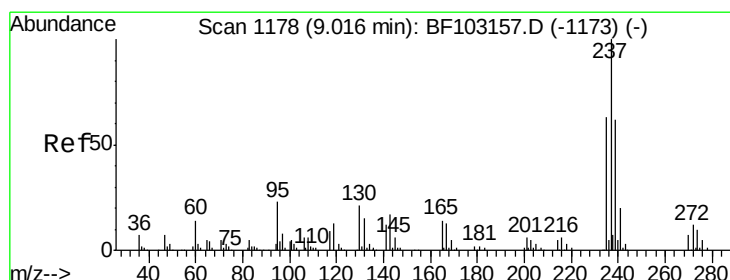
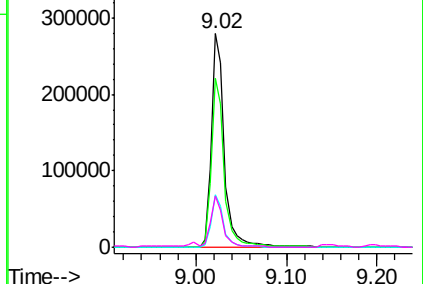
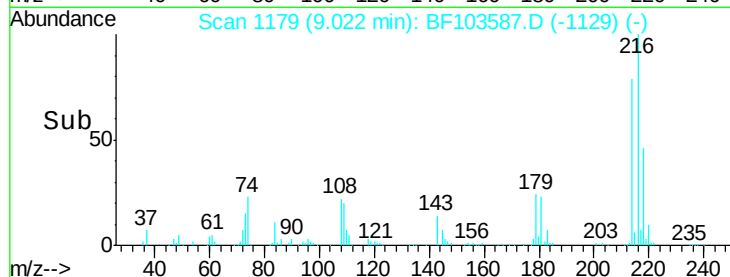


Abundance Ion 216.00 (215.70 to 216.70): E

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: 45.42 ng

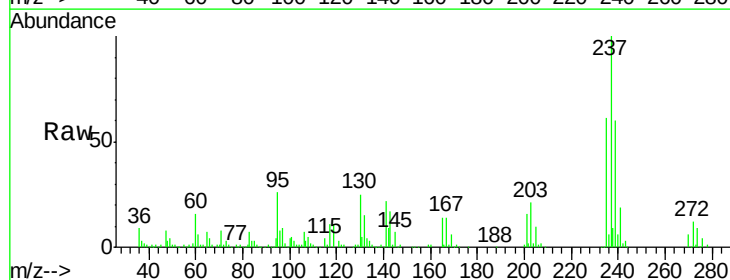
RT: 9.00 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BF103587.D

Acq: 12 Mar 2018 17:41

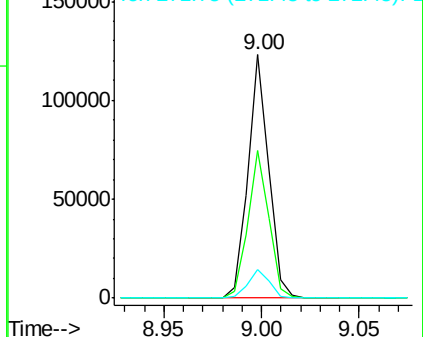
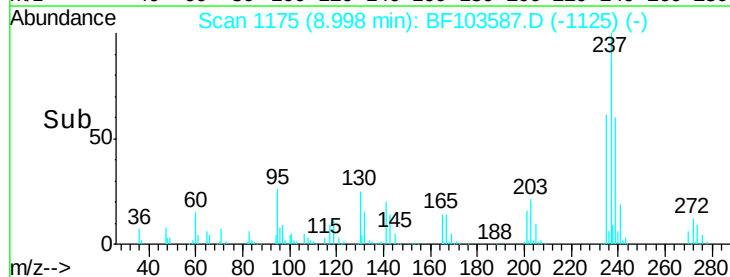
Tgt Ion	Ratio	Lower	Upper
237	100		
235	60.8	44.8	84.8
272	11.5	0.0	33.3

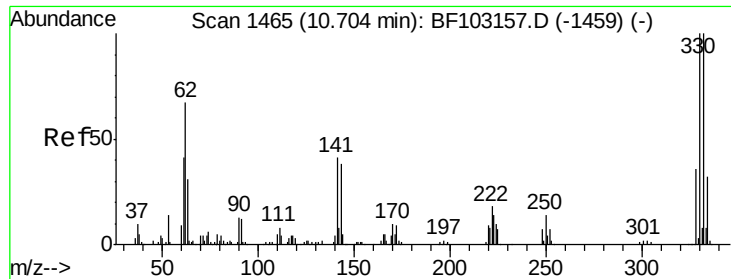


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





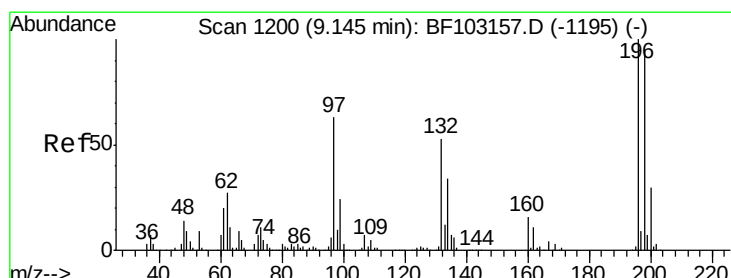
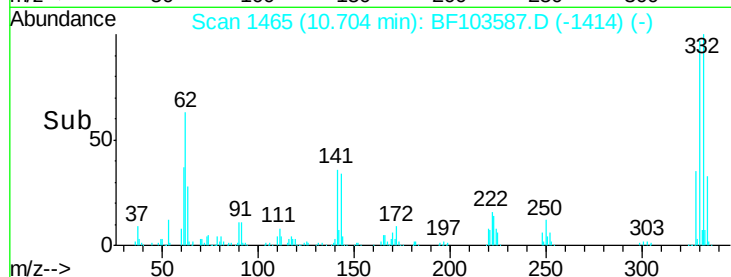
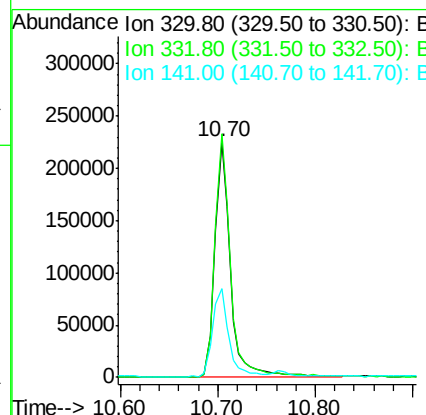
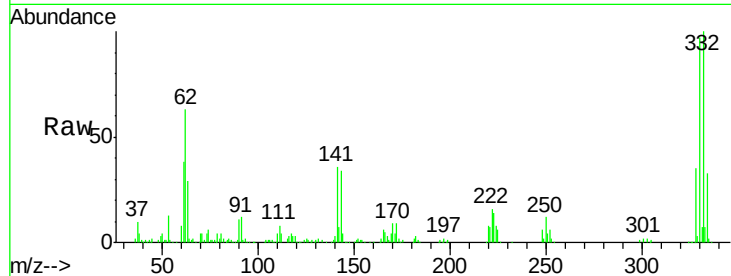
#41
 2,4,6-Tribromophenol
 Concen: 131.55 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: BF103587.D
 Acq: 12 Mar 2018 17:41

Instrument :
 BNA_F
 ClientSampleId :
 J1867-09MSMS

Tot Ion	Ratio	Resp	Lower	Upper
330	100	254627		
332	103.6	77.0	115.6	
141	38.6	29.9	44.9	

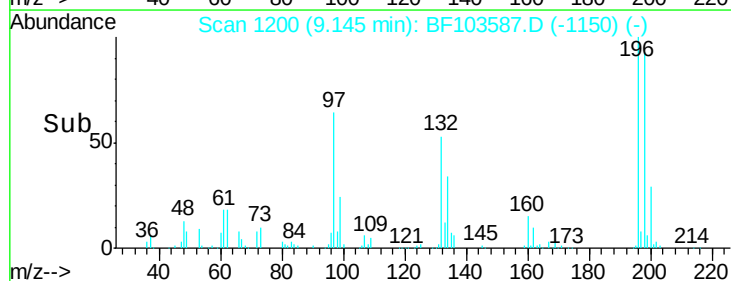
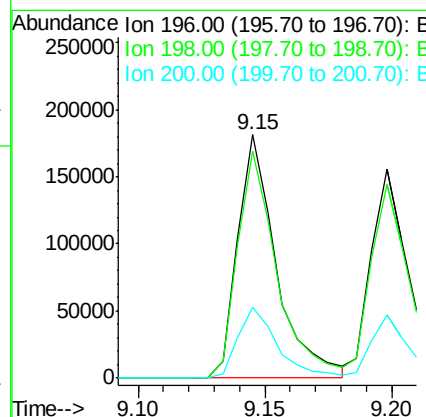
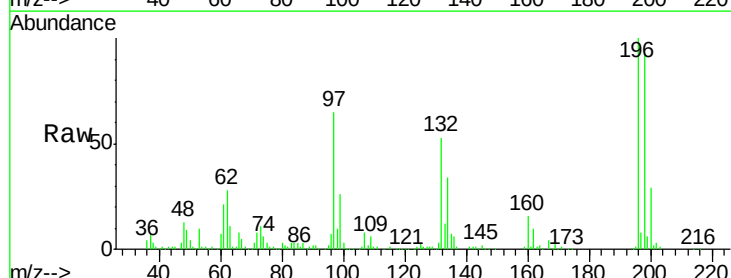
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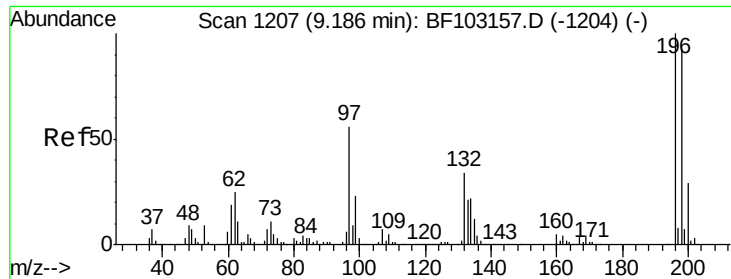
Sohil
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#42
 2,4,6-Trichlorophenol
 Concen: 45.67 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF103587.D
 Acq: 12 Mar 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	192098		
198	93.1	75.7	113.5	
200	29.3	24.5	36.7	





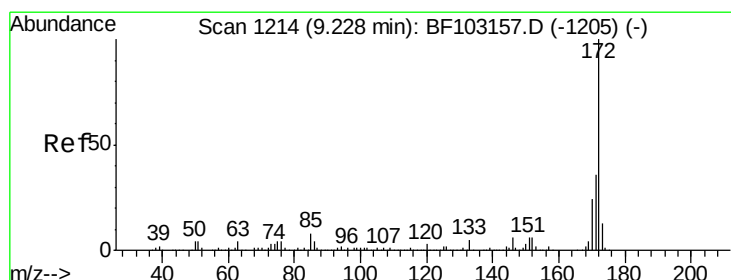
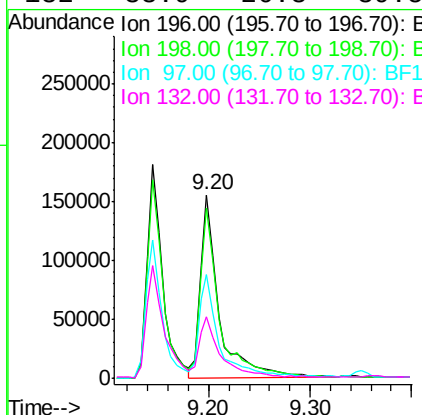
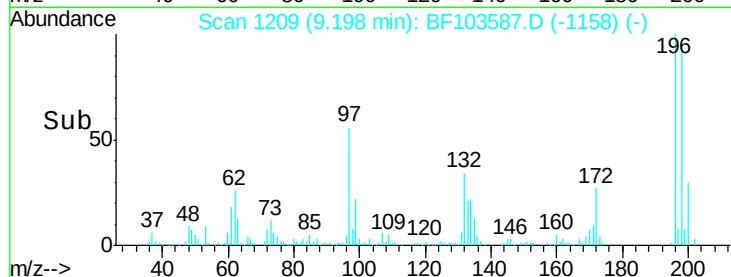
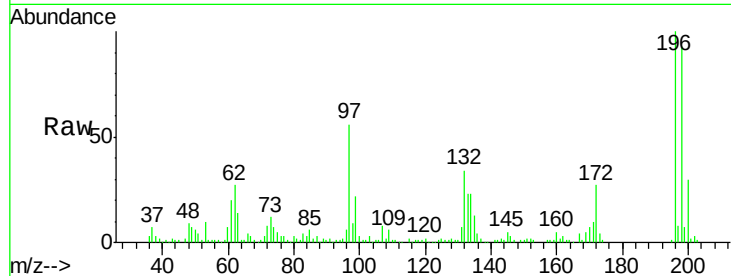
#43
 2,4,5-Trichlorophenol
 Concen: 40.92 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.00 min
 Lab File: BF103587.D
 Acq: 12 Mar 2018 17:41

Instrument :
 BNA_F
 ClientSampled :
 J1867-09MSMS

Tot Ion:	196	Resp:	197970
Ion Ratio	Lower	Upper	
196	100		
198	93.0	74.6	112.0
97	56.4	42.9	64.3
132	33.9	26.3	39.5

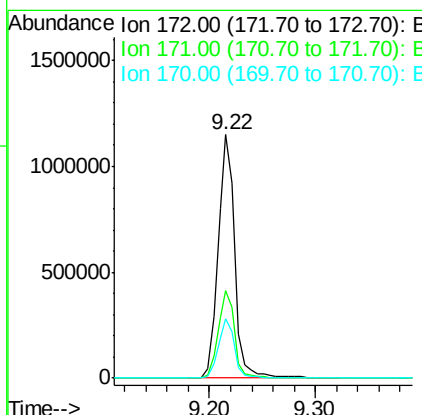
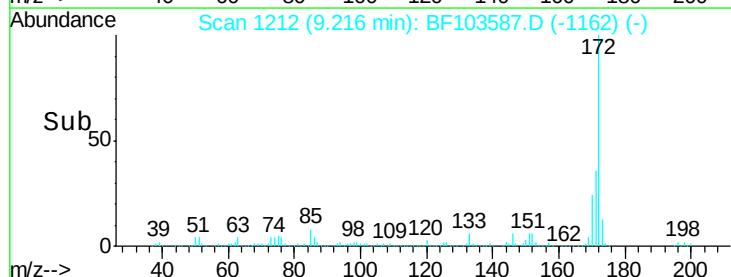
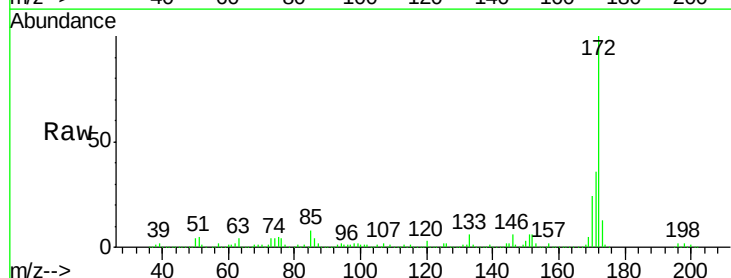
Manual Integrations
 APPROVED

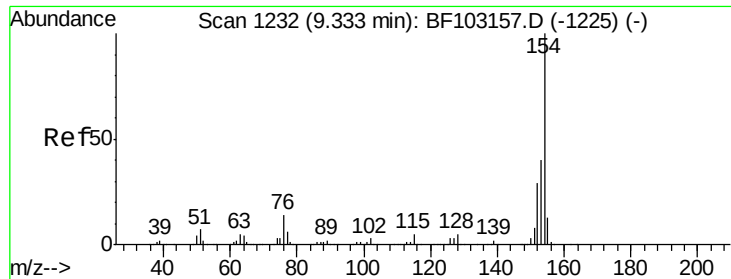
Sohil
 3/13/2018 4:15:42 PM



#44
 2-Fluorobiphenyl
 Concen: 100.59 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF103587.D
 Acq: 12 Mar 2018 17:41

Tgt Ion:	172	Resp:	1278914
Ion Ratio	Lower	Upper	
172	100		
171	36.1	29.7	44.5
170	24.3	19.6	29.4





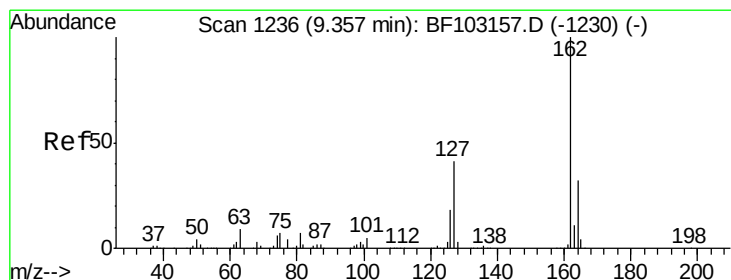
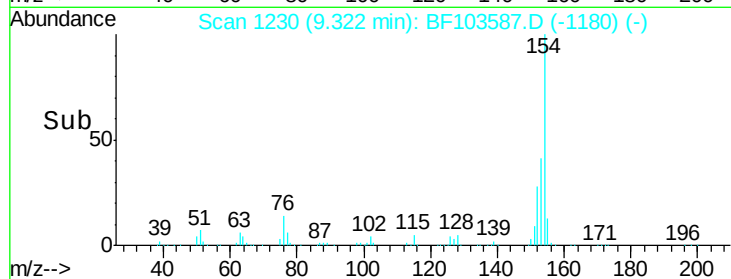
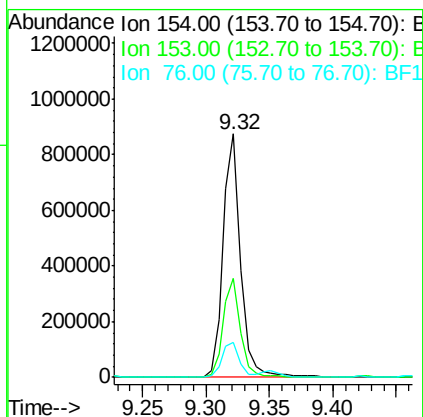
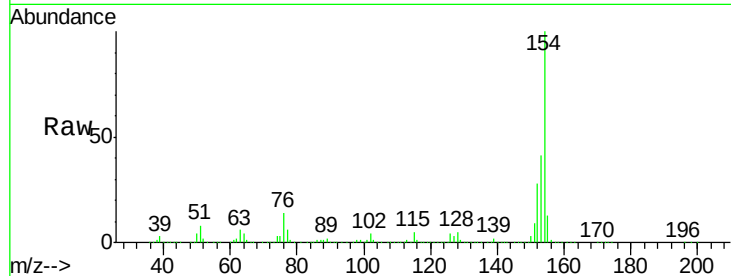
#45
 1,1'-Biphenyl
 Concen: 44.09 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BF103587.D
 Acq: 12 Mar 2018 17:41

Instrument :
 BNA_F
 ClientSampleId :
 J1867-09MSMS

Tot Ion:	154	Resp:	844865
Ion Ratio	Lower	Upper	
154	100		
153	40.7	21.3	61.3
76	14.4	0.0	34.0

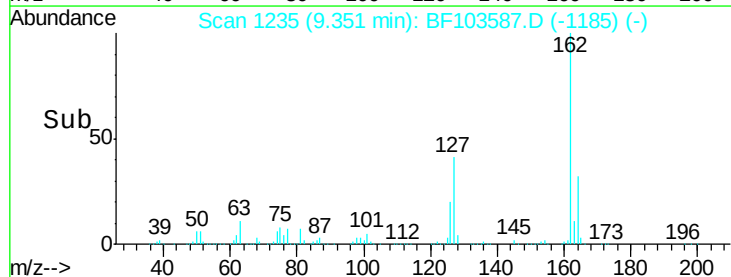
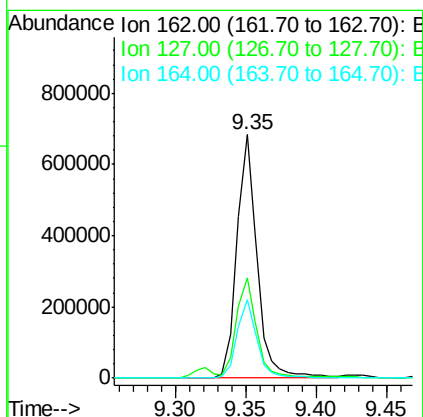
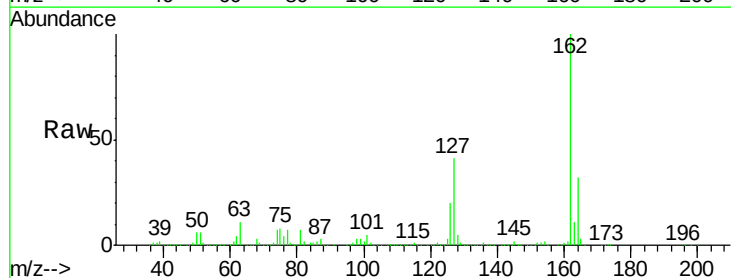
Manual Integrations
 APPROVED

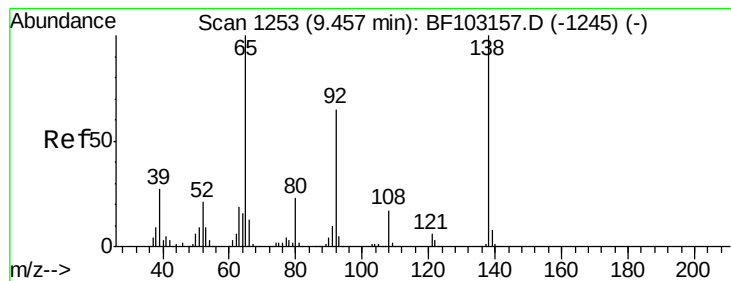
Sohil
 3/13/2018 4:15:42 PM



#46
 2-Chloronaphthalene
 Concen: 45.11 ng
 RT: 9.35 min Scan# 1235
 Delta R.T. -0.01 min
 Lab File: BF103587.D
 Acq: 12 Mar 2018 17:41

Tgt Ion:	162	Resp:	683871
Ion Ratio	Lower	Upper	
162	100		
127	41.3	33.9	50.9
164	32.4	26.5	39.7





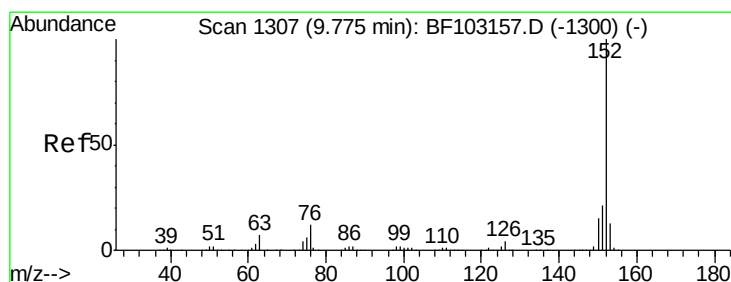
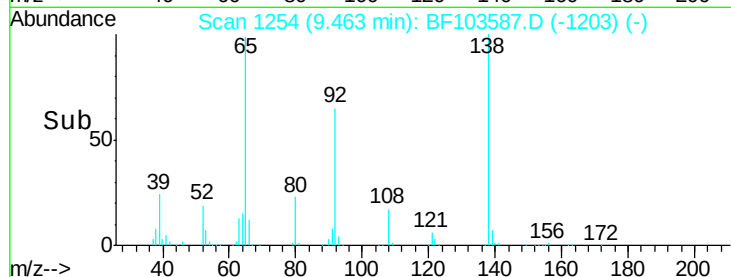
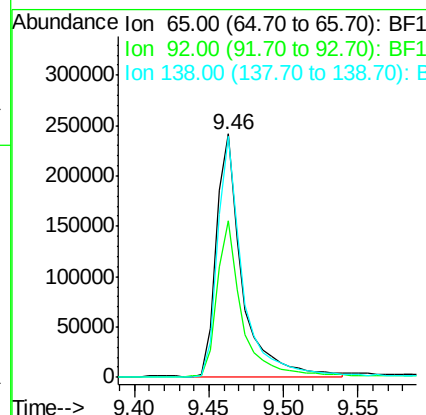
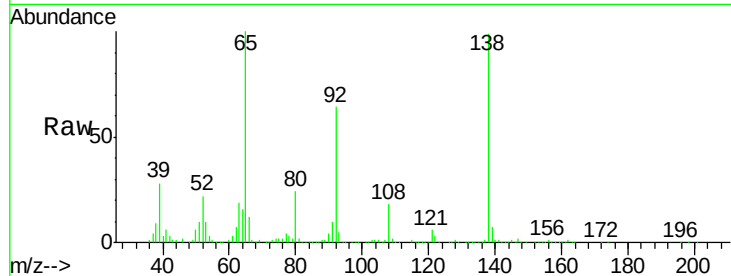
#47
2-Nitroaniline
Concen: 51.31 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.00 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Instrument :
BNA_F
ClientSampleId :
J1867-09MSMS

Tot Ion	Ratio	Lower	Upper
65	100		
92	64.3	55.8	83.6
138	98.9	91.2	136.8

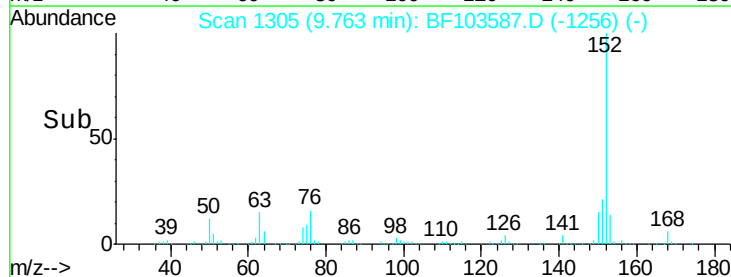
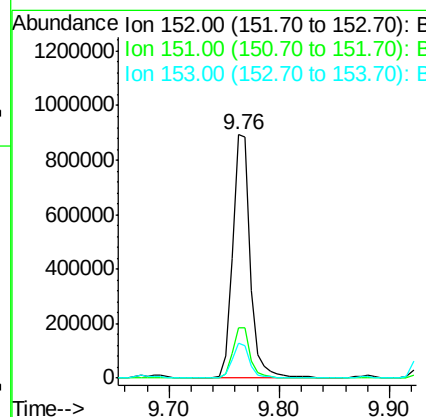
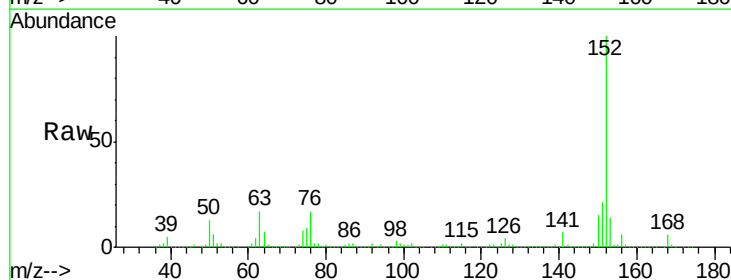
Manual Integrations
APPROVED

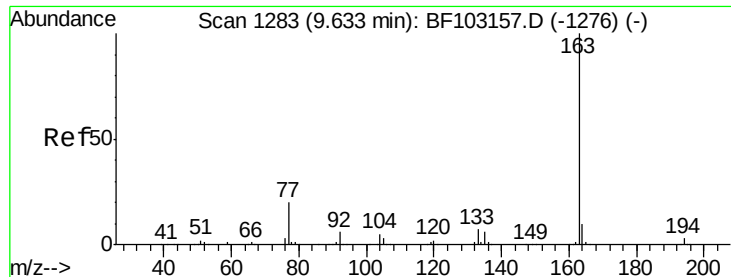
Sohil
3/13/2018 4:15:42 PM



#48
Acenaphthylene
Concen: 42.79 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.3	24.5
153	14.4	10.7	16.1





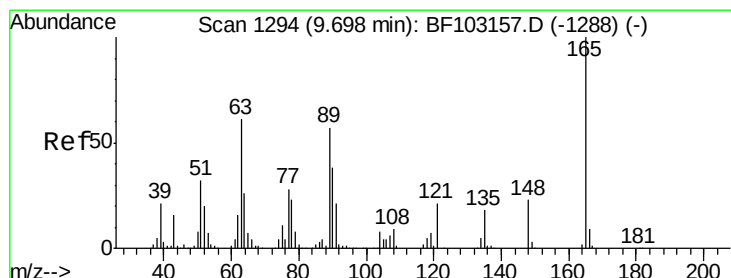
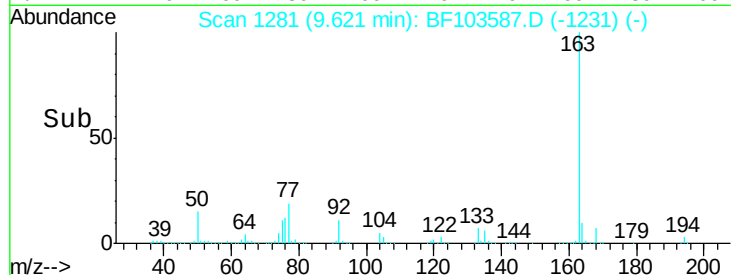
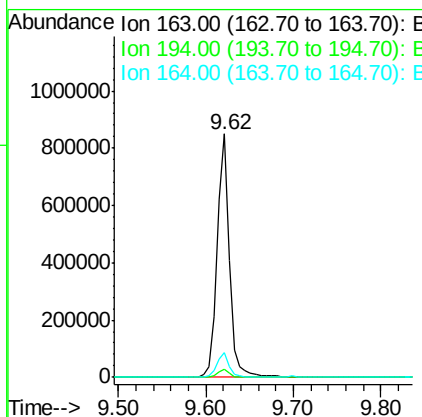
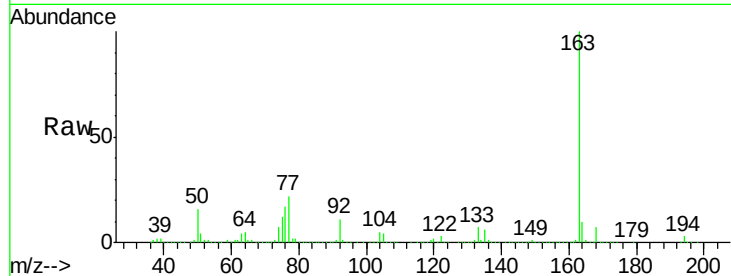
#49
Dimethylphthalate
Concen: 45.42 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Instrument :
BNA_F
ClientSampleId :
J1867-09MSMS

Tot Ion	Ratio	Resp	Lower	Upper
163	100	833197		
194	3.3		2.7	4.1
164	10.2		8.2	12.2

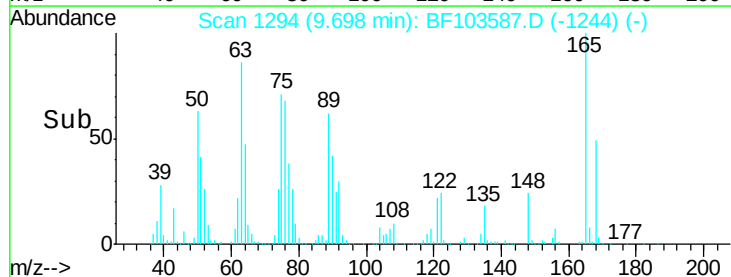
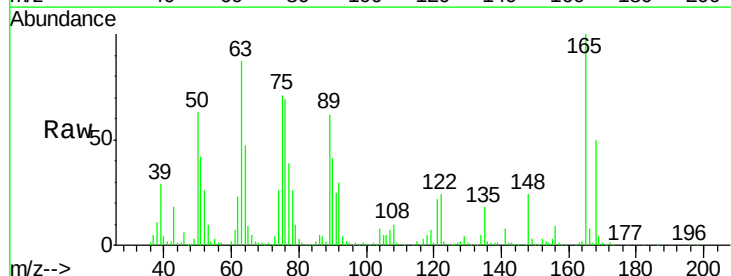
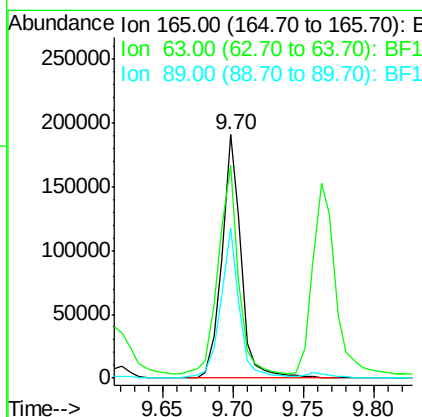
Manual Integrations
APPROVED

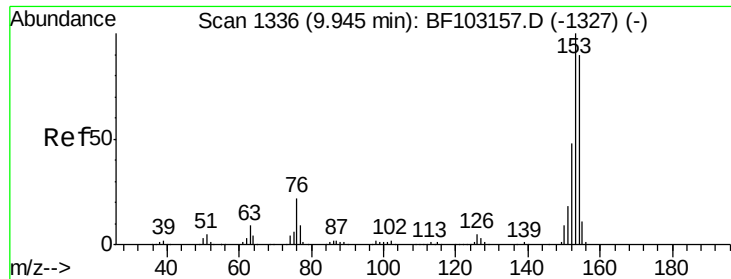
Sohil
3/13/2018 4:15:42 PM



#50
2,6-Dinitrotoluene
Concen: 46.62 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	179469		
63	87.3		44.7	67.1#
89	61.7		44.0	66.0





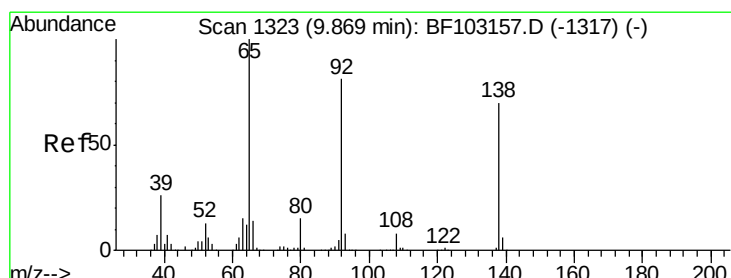
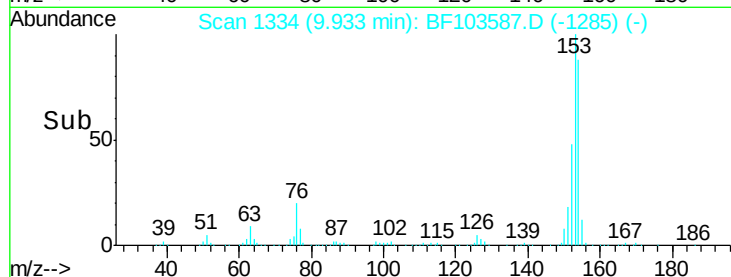
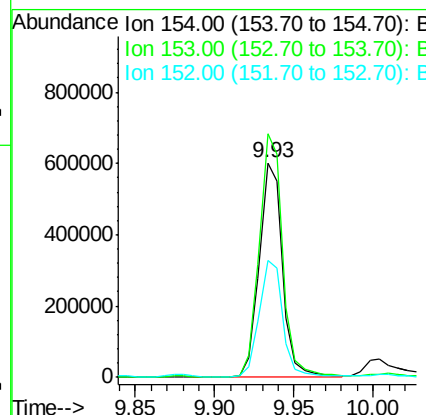
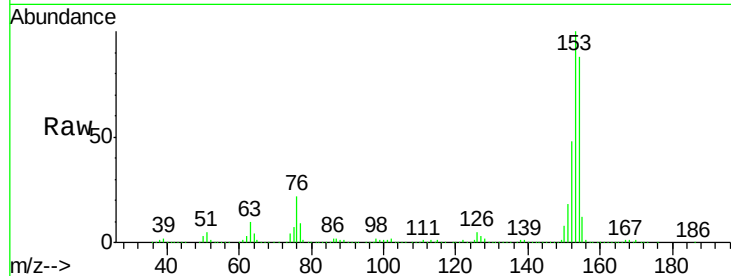
#51
Acenaphthene
Concen: 45.22 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Instrument :
BNA_F
ClientSampleId :
J1867-09MSMS

Tot Ion	Ratio	Lower	Upper
154	100		
153	113.5	91.2	136.8
152	54.6	43.8	65.8

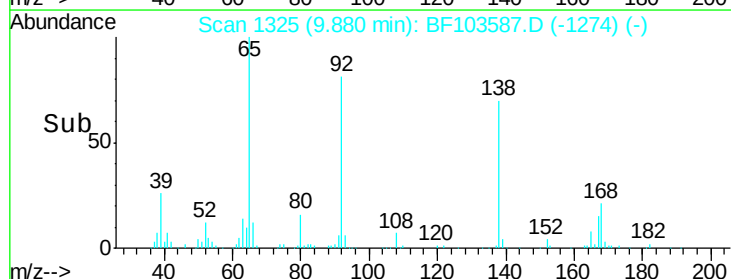
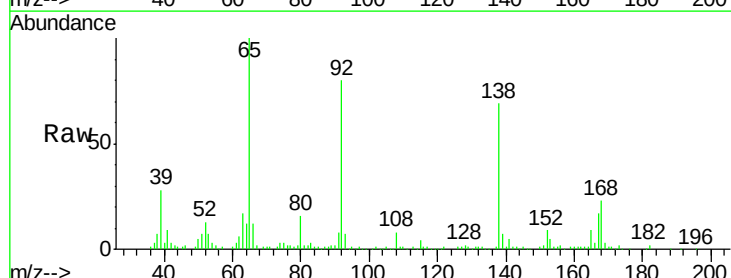
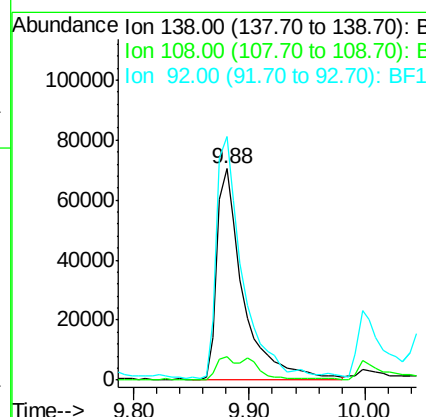
Manual Integrations
APPROVED

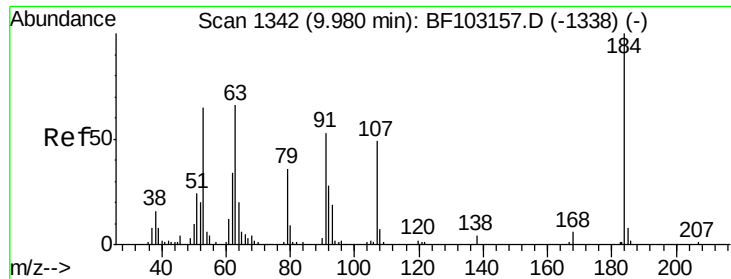
Sohil
3/13/2018 4:15:42 PM



#52
3-Nitroaniline
Concen: 22.95 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.9	9.4	14.0
92	115.2	89.4	134.2





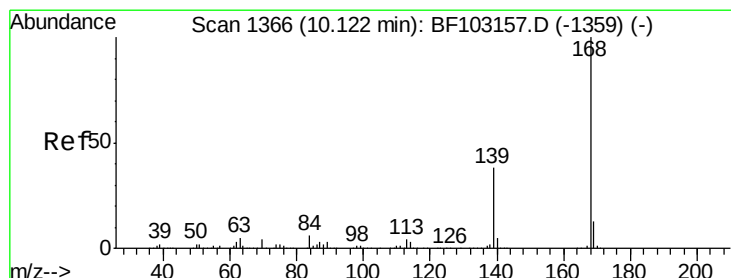
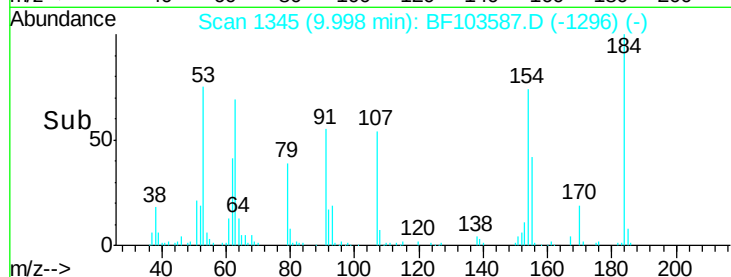
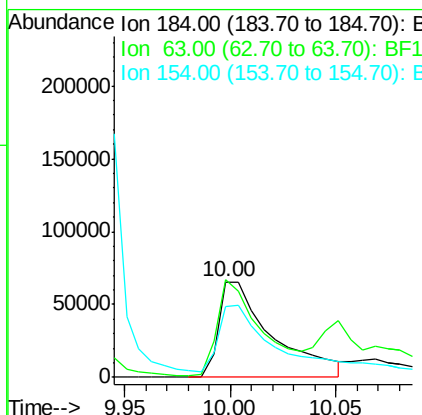
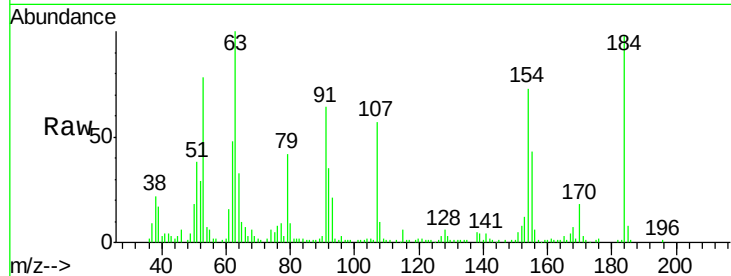
#53
2,4-Dinitrophenol
Concen: 82.50 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Instrument :
BNA_F
ClientSampleId :
J1867-09MSMS

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
63	102.0	54.2	81.2#	
154	74.0	184.0	276.0#	

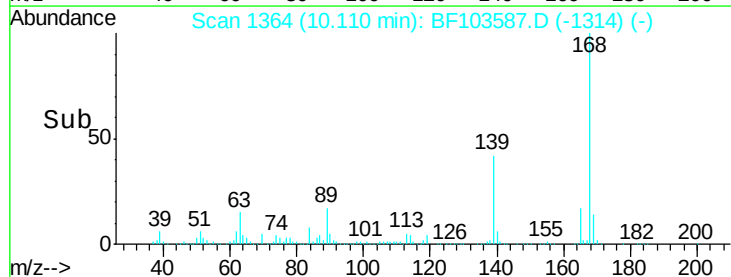
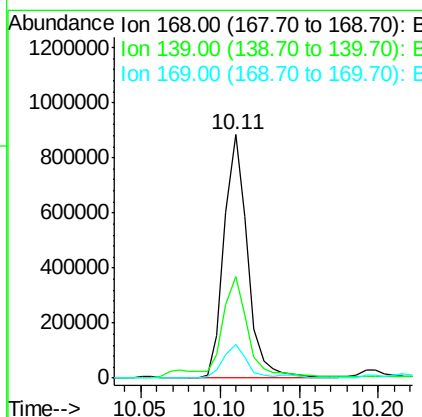
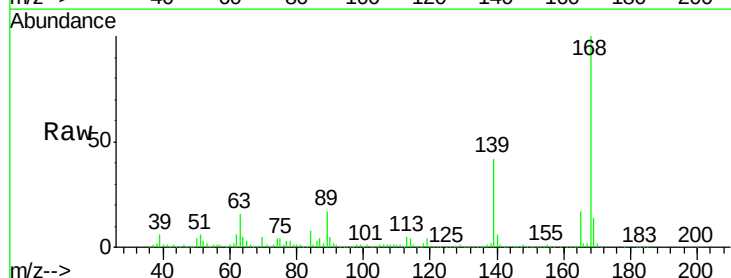
Manual Integrations
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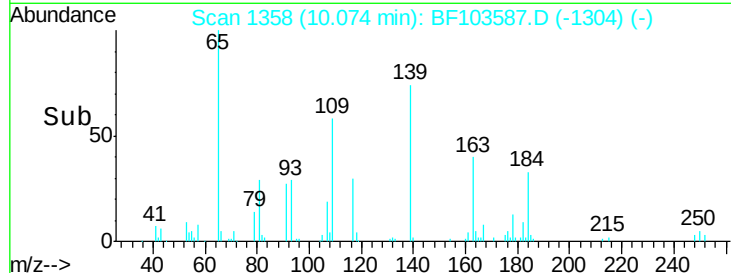
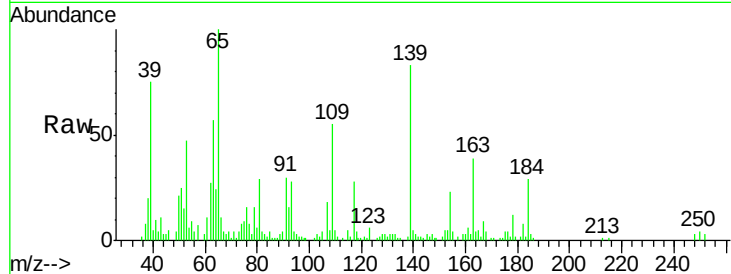
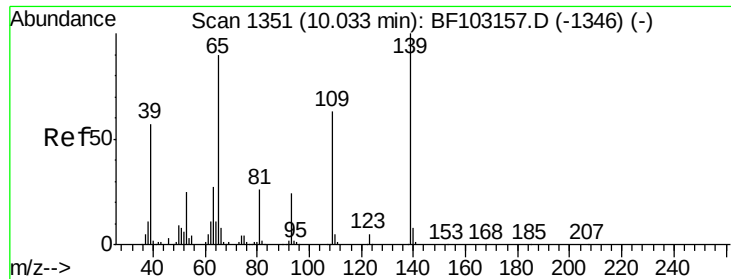
Sohil
3/13/2018 4:15:42 PM



#54
Dibenzofuran
Concen: 48.59 ng
RT: 10.11 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	41.7	30.1	45.1	
169	13.9	10.9	16.3	





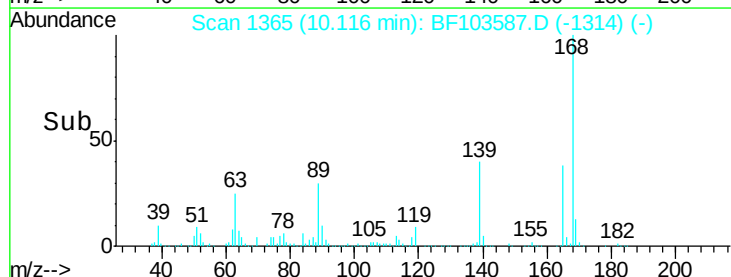
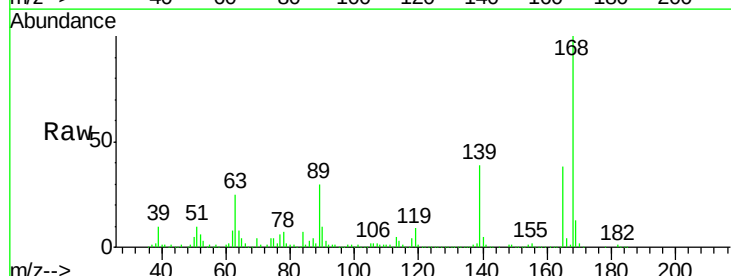
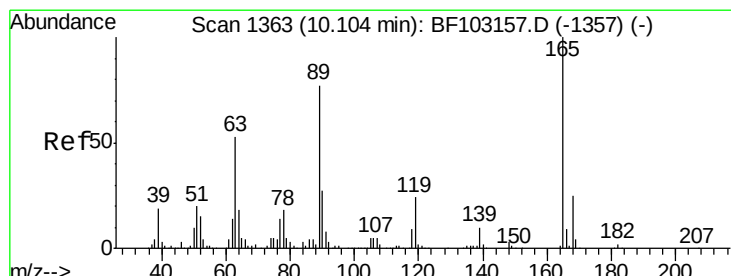
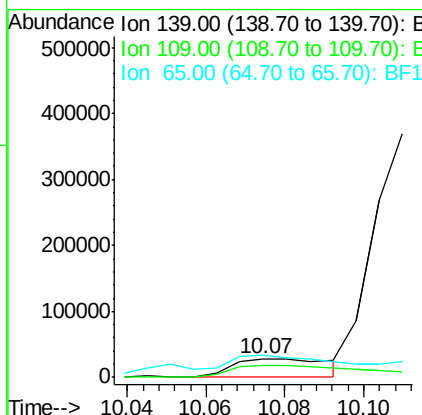
#55
4-Nitrophenol
Concen: 15.68 ng
RT: 10.07 min Scan# 1358
Delta R.T. 0.02 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Instrument :
BNA_F
ClientSampled :
J1867-09MSMS

Tot Ion	Ratio	Lower	Upper
139	100		
109	66.5	48.4	88.4
65	120.0	72.6	112.6

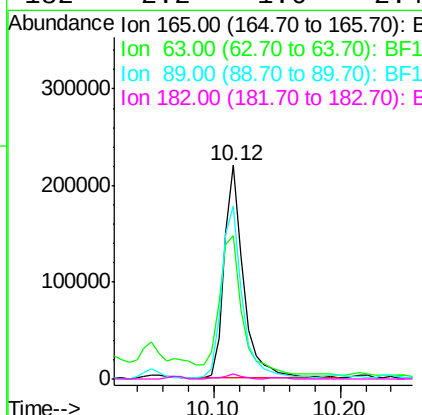
Manual Integrations
APPROVED

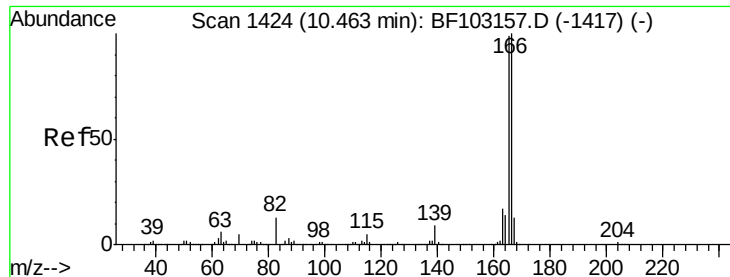
Sohil
3/13/2018 4:15:42 PM



#56
2,4-Dinitrotoluene
Concen: 48.06 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.00 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Tgt Ion	Ratio	Lower	Upper
165	100		
63	67.0	36.4	54.6
89	80.7	57.8	86.6
182	2.2	1.6	2.4





#57

Fluorene

Concen: 47.43 ng

RT: 10.46 min Scan# 1423

Delta R.T. -0.01 min

Lab File: BF103587.D

Acq: 12 Mar 2018 17:41

Instrument :

BNA_F

ClientSampled :

J1867-09MSMS

Tot Ion:166 Resp: 754459

Ion Ratio Lower Upper

166 100

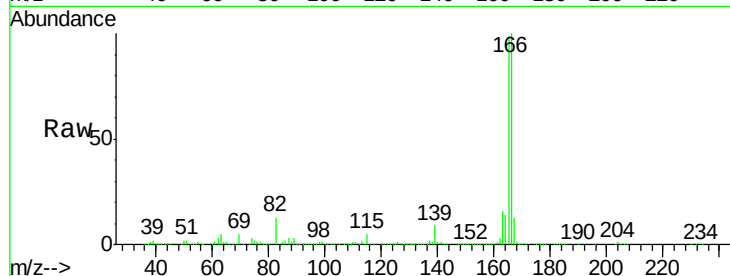
165 99.2 79.8 119.8

167 13.5 10.6 16.0

Manual Integrations
APPROVED

Sohil

3/13/2018 4:15:42 PM

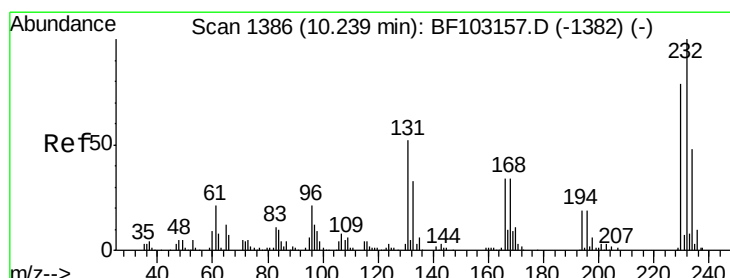
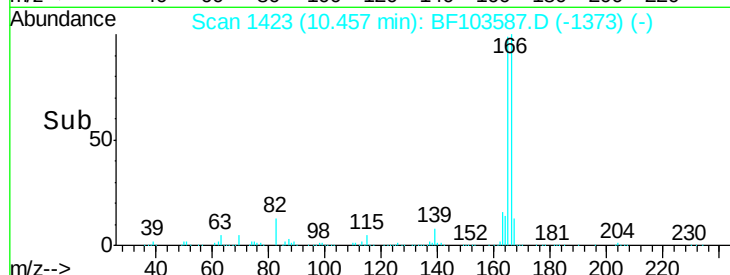
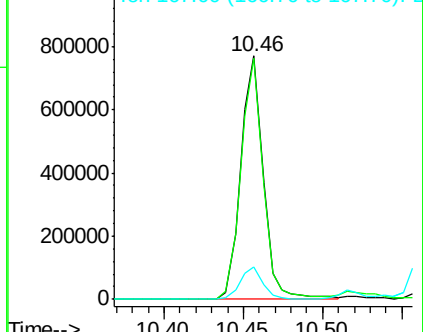


Abundance

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: 45.86 ng

RT: 10.24 min Scan# 1386

Delta R.T. -0.00 min

Lab File: BF103587.D

Acq: 12 Mar 2018 17:41

Tgt Ion:232 Resp: 149041

Ion Ratio Lower Upper

232 100

131 57.8 43.8 65.8

130 2.8 2.1 3.1

166 33.8 27.8 41.6

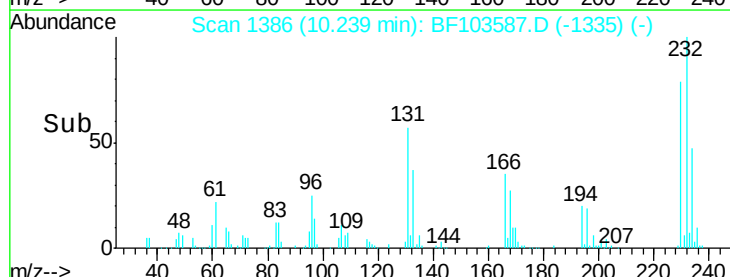
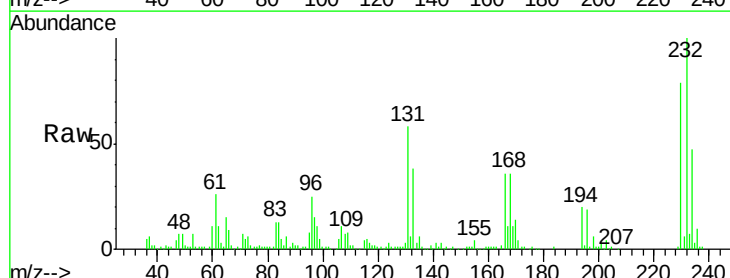
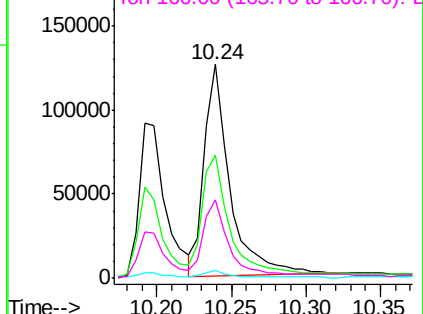
Abundance

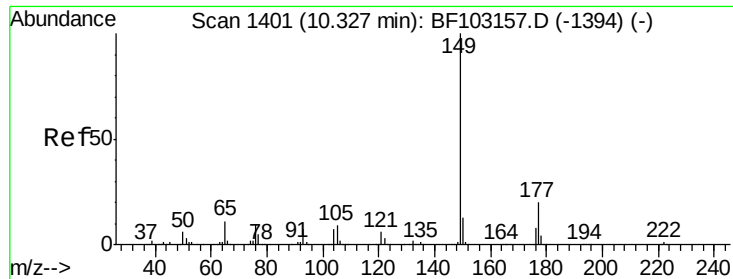
Ion 232.00 (231.70 to 232.70): E

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





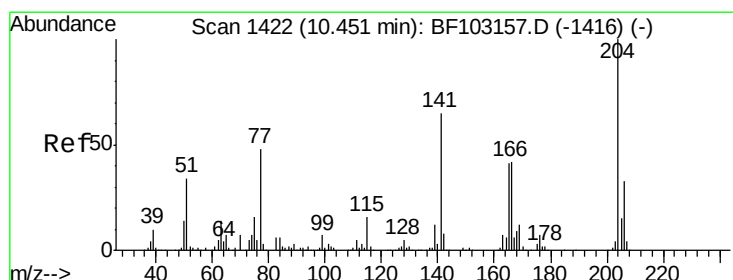
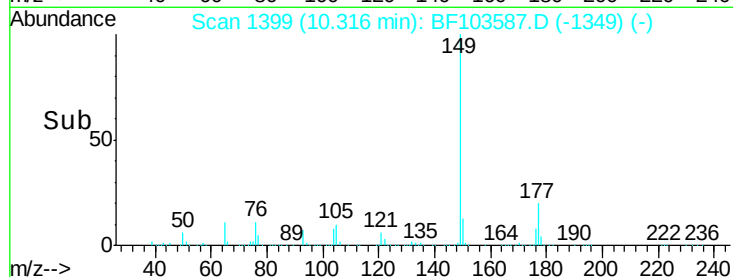
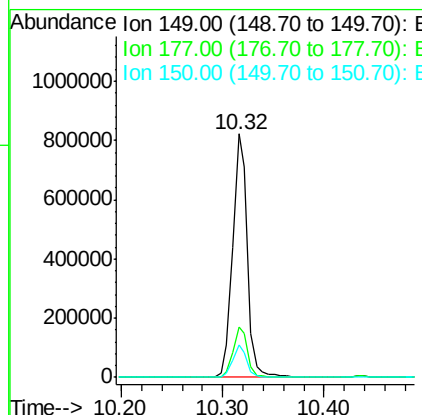
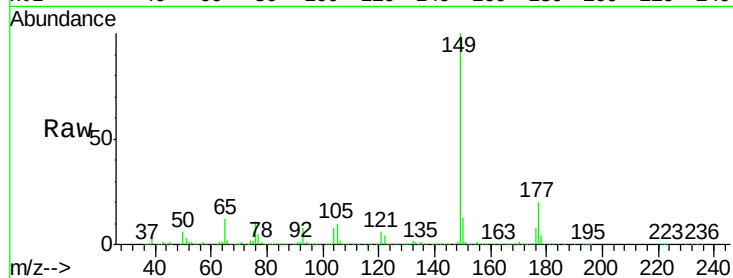
#59
Diethylphthalate
Concen: 46.89 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.01 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Instrument :
BNA_F
ClientSampleId :
J1867-09MSMS

Tot Ion	Ratio	Lower	Upper
149	100		
177	20.5	16.1	24.1
150	13.1	10.1	15.1

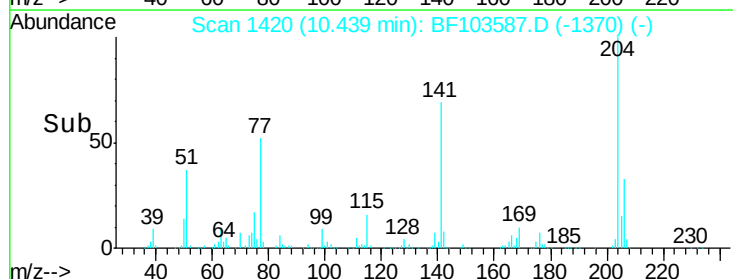
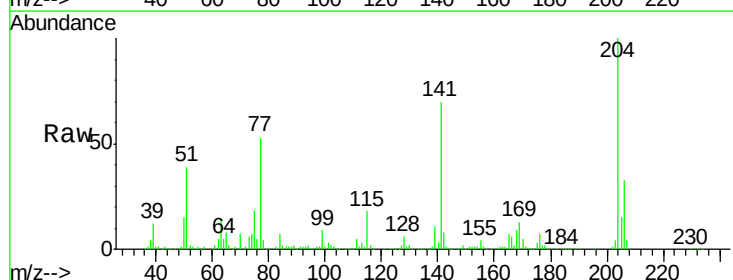
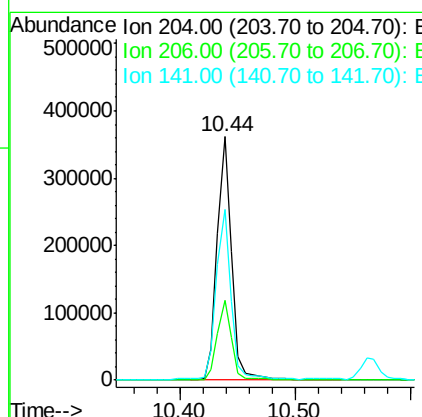
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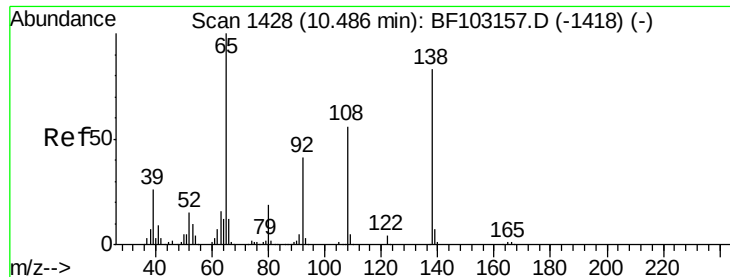
Sohil
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#60
4-Chlorophenyl-phenylether
Concen: 46.81 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.5	39.7
141	69.8	54.6	81.8





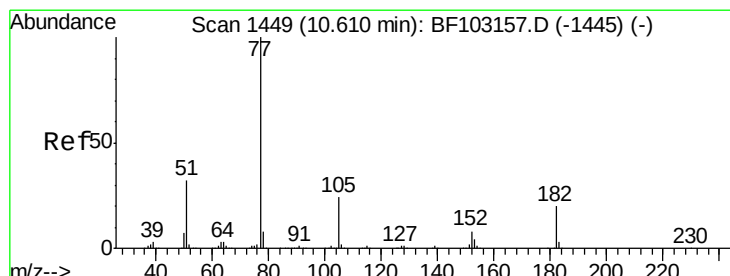
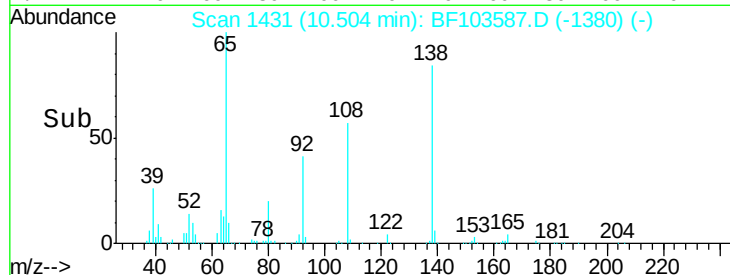
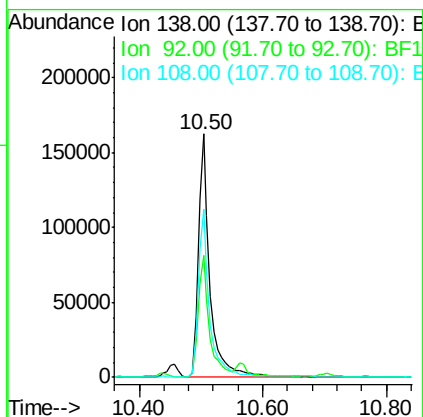
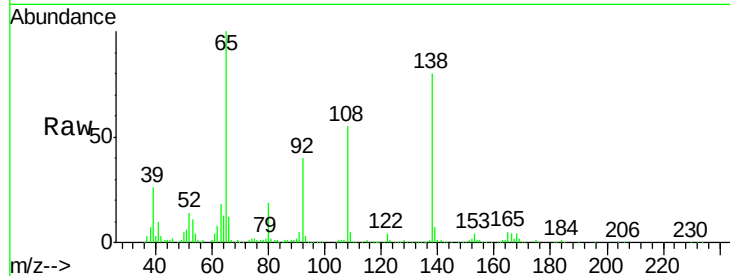
#61
4-Nitroaniline
Concen: 43.52 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.00 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Instrument :
BNA_F
ClientSampleId :
J1867-09MSMS

Tot Ion	Ratio	Lower	Upper
138	100		
92	50.0	30.2	70.2
108	69.1	52.5	92.5

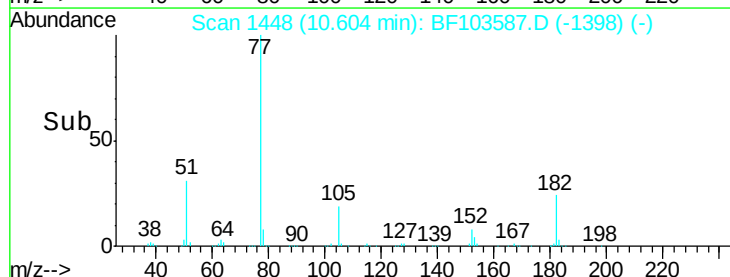
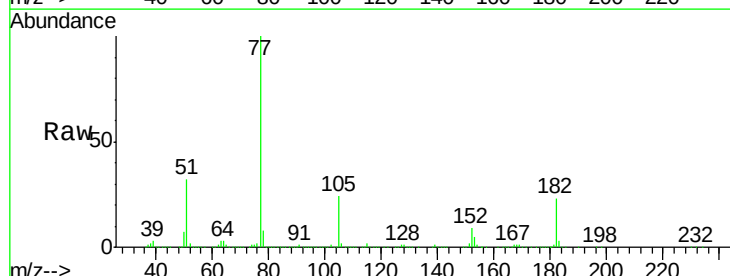
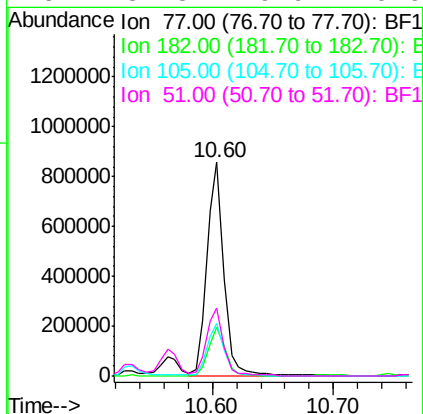
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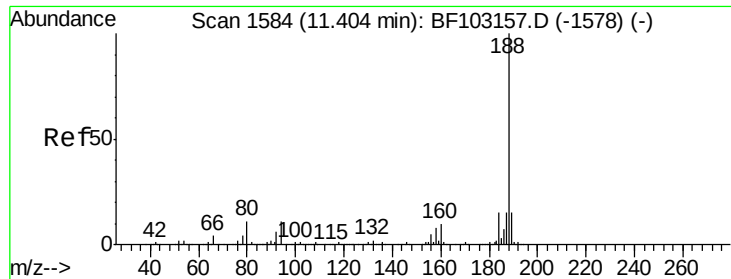
Sohil
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#62
Azobenzene
Concen: 45.72 ng
RT: 10.60 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Tgt Ion	Ratio	Lower	Upper
77	100		
182	22.9	1.7	41.7
105	24.5	3.0	43.0
51	31.8	9.9	49.9





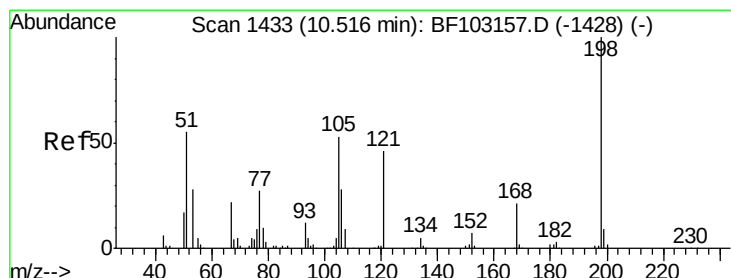
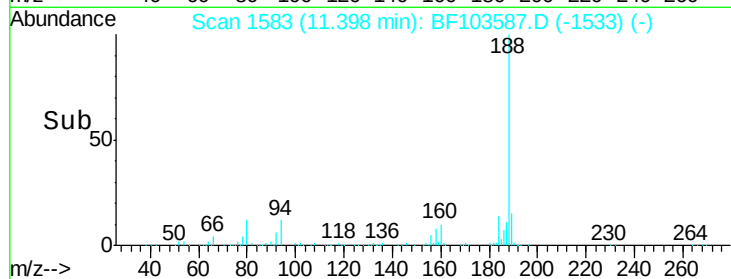
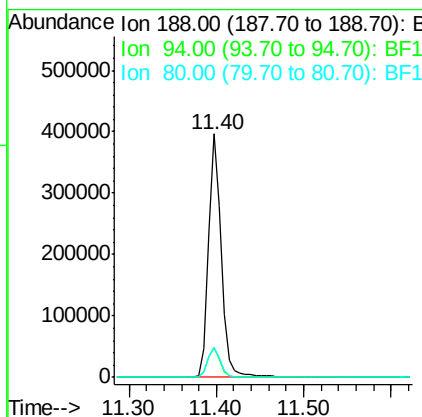
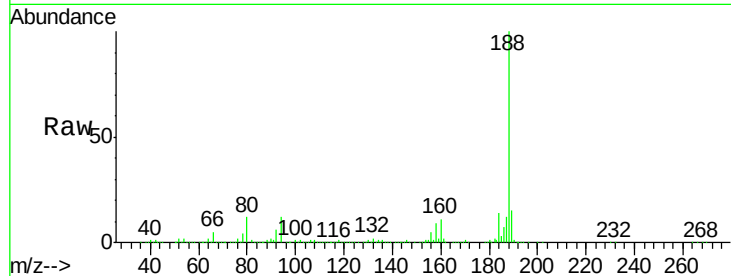
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Instrument :
BNA_F
ClientSampled :
J1867-09MSMS

Tot Ion	Ratio	Resp	Lower	Upper
188	100	402592		
94	12.1		8.5	12.7
80	12.3		9.2	13.8

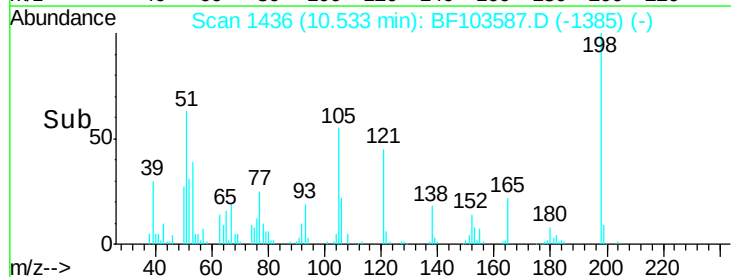
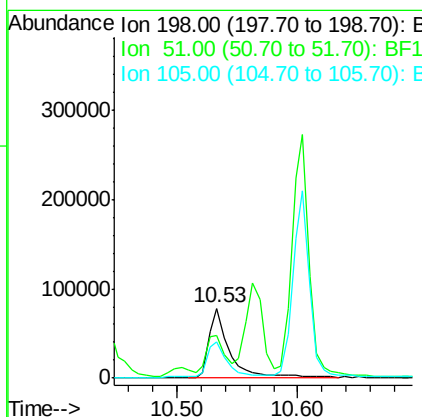
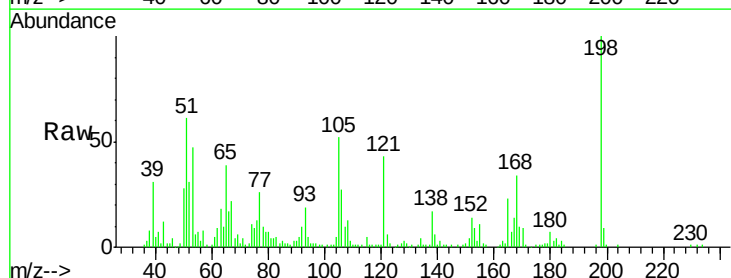
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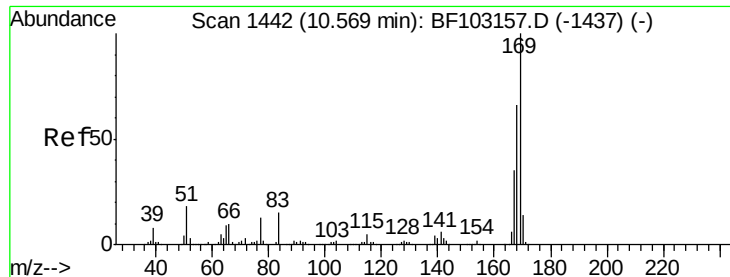
Sohil
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#64
4,6-Dinitro-2-methylphenol
Concen: 39.14 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.00 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	93376		
51	60.5		37.7	77.7
105	51.7		36.3	76.3





#65

n-Nitrosodiphenylamine

Concen: 44.58 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BF103587.D

Acq: 12 Mar 2018 17:41

Instrument :

BNA_F

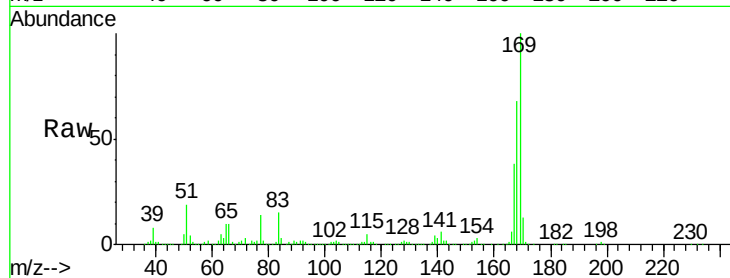
ClientSampleId :

J1867-09MSMS

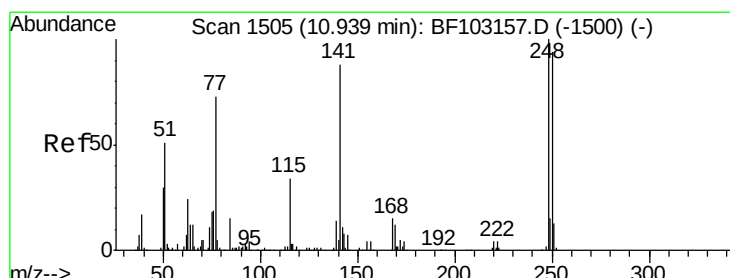
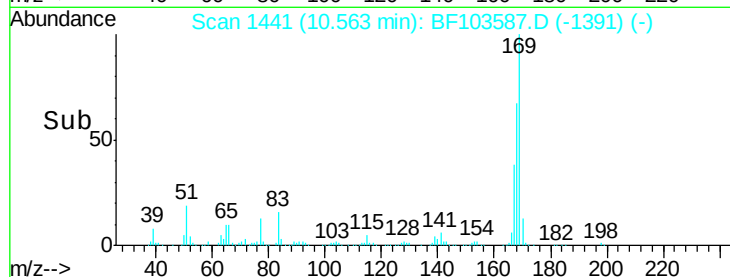
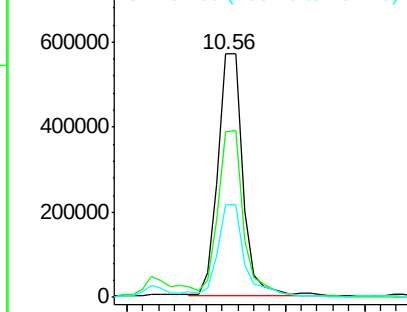
Tot Ion:	169	Resp:	624918
Ion Ratio	Lower	Upper	
169	100		
168	67.8	54.4	81.6
167	37.9	29.8	44.6

Manual Integrations
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Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 45.05 ng

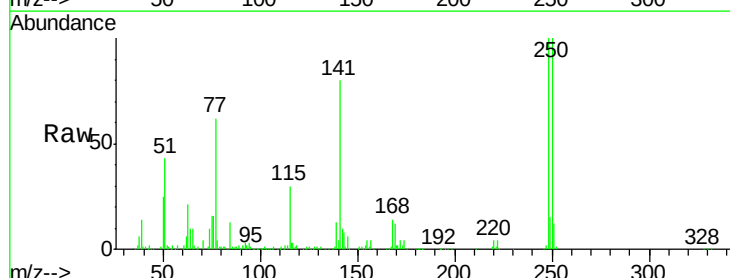
RT: 10.93 min Scan# 1504

Delta R.T. -0.01 min

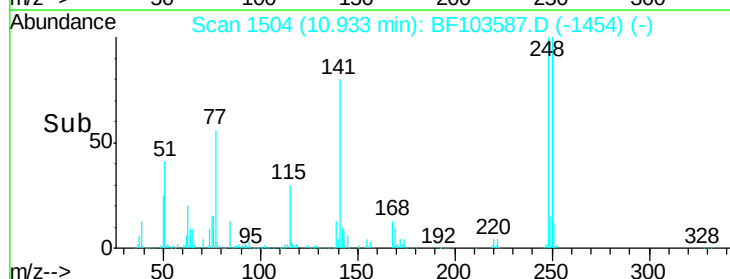
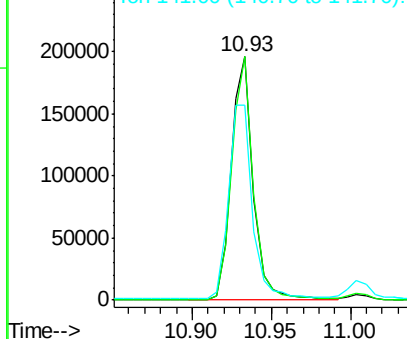
Lab File: BF103587.D

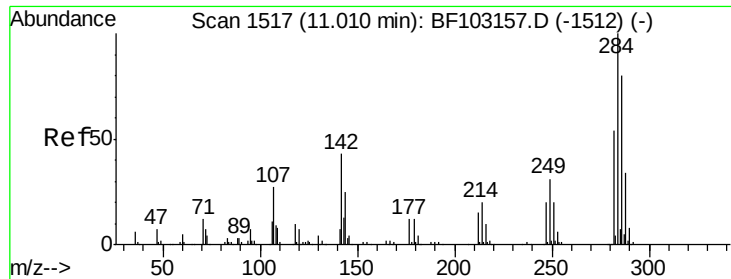
Acq: 12 Mar 2018 17:41

Tgt Ion:	248	Resp:	188941
Ion Ratio	Lower	Upper	
248	100		
250	100.0	76.9	115.3
141	80.2	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: 44.64 ng

RT: 11.01 min Scan# 1517

Delta R.T. -0.00 min

Lab File: BF103587.D

Acq: 12 Mar 2018 17:41

Instrument :

BNA_F

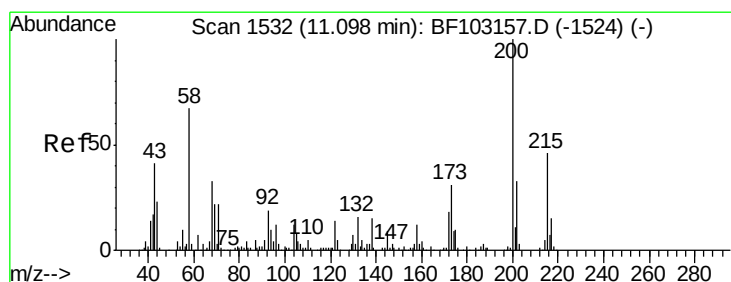
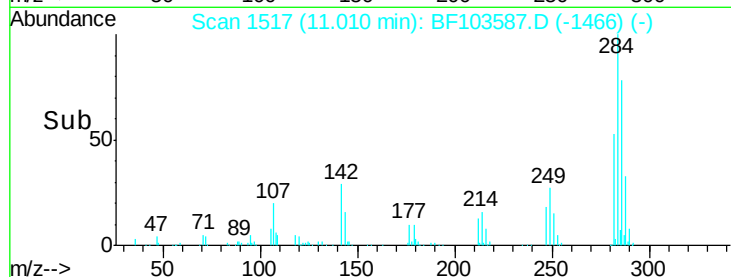
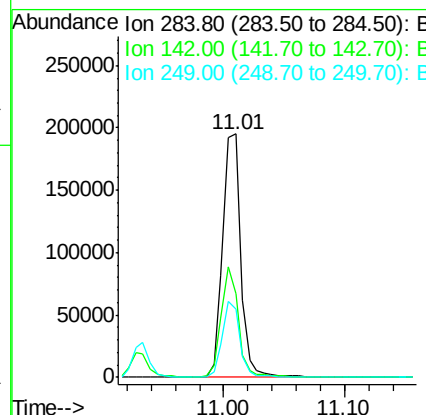
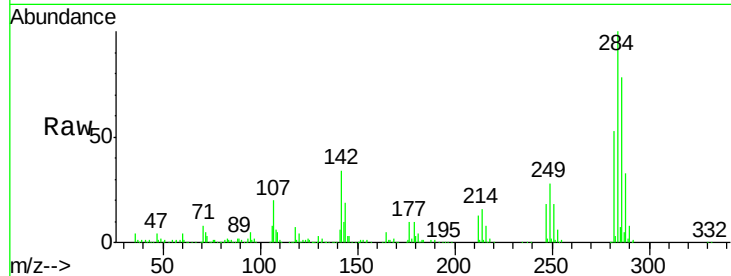
ClientSampled :

J1867-09MSMS

Tot Ion:	284	Resp:	203206
Ion Ratio	Lower	Upper	
284	100		
142	34.5	34.6	52.0#
249	28.3	24.8	37.2

Manual Integrations
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#68

Atrazine

Concen: 46.67 ng

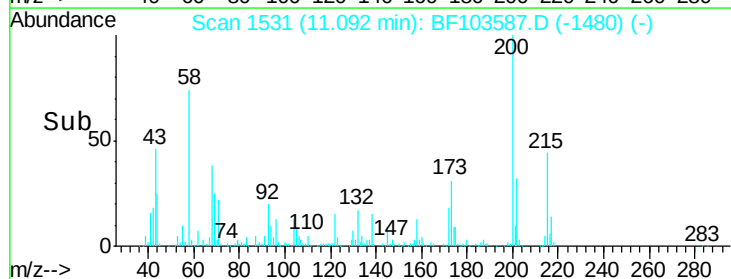
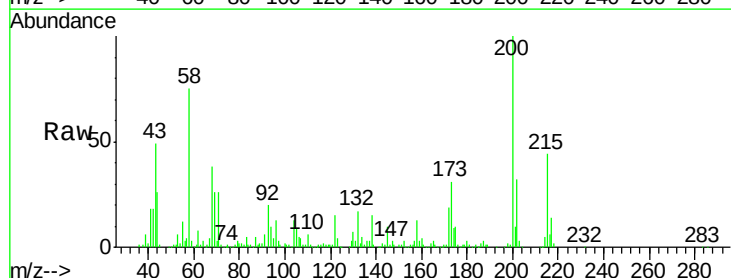
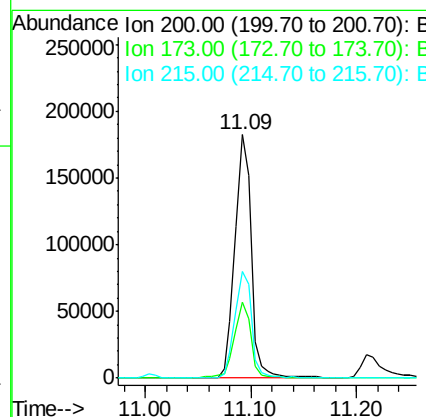
RT: 11.09 min Scan# 1531

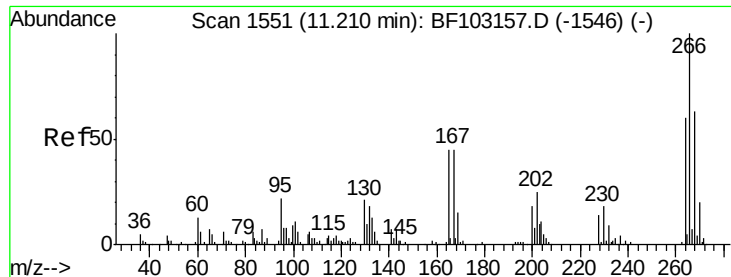
Delta R.T. -0.00 min

Lab File: BF103587.D

Acq: 12 Mar 2018 17:41

Tgt Ion:	200	Resp:	196649
Ion Ratio	Lower	Upper	
200	100		
173	31.3	8.6	48.6
215	43.8	25.1	65.1





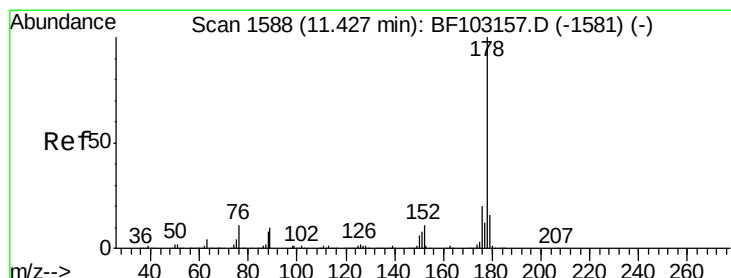
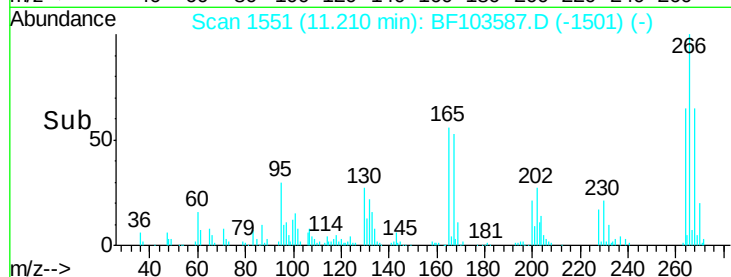
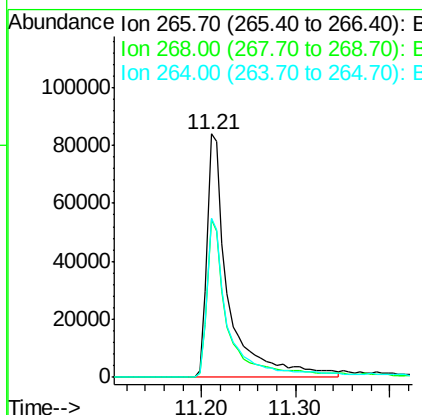
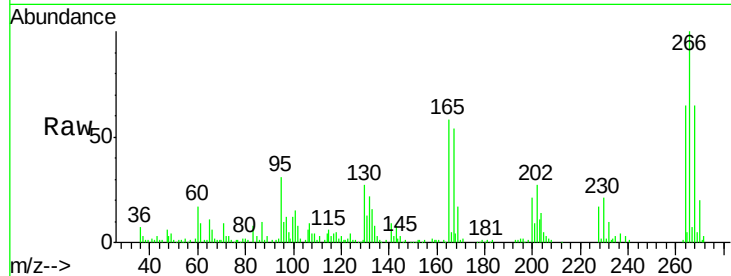
#69
 Pentachlorophenol
 Concen: 61.67 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF103587.D
 Acq: 12 Mar 2018 17:41

Instrument :
 BNA_F
 ClientSampled :
 J1867-09MSMS

Tot Ion	Ratio	Lower	Upper
266	100		
268	64.9	51.1	76.7
264	65.2	49.5	74.3

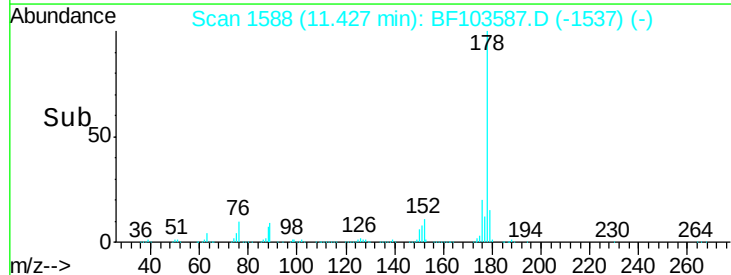
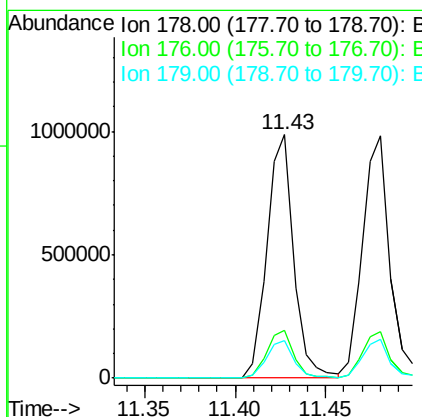
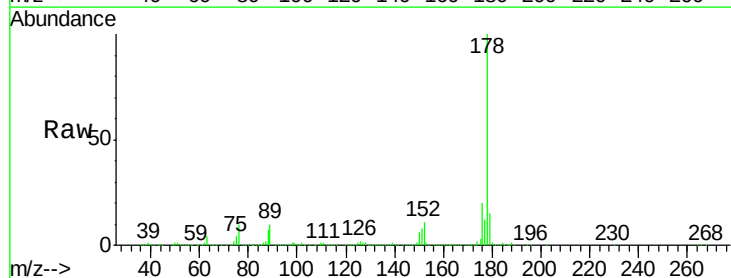
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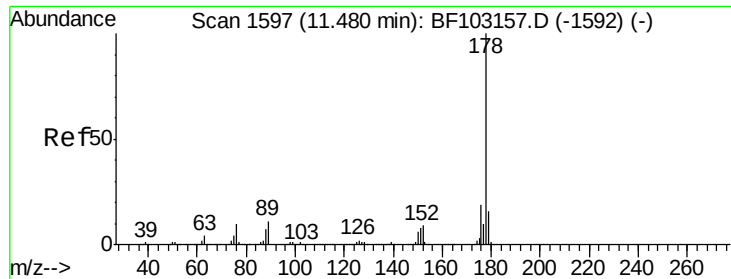
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#70
 Phenanthrene
 Concen: 45.76 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: BF103587.D
 Acq: 12 Mar 2018 17:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.3	13.0	19.6





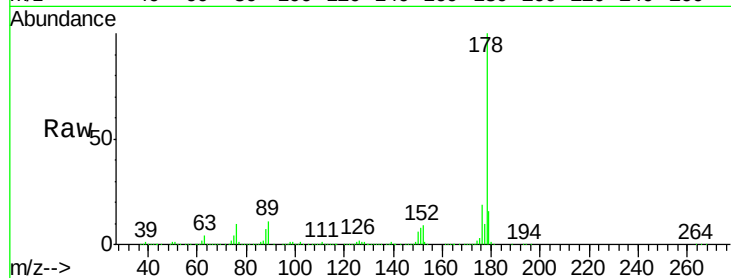
#71
 Anthracene
 Concen: 47.05 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: BF103587.D
 Acq: 12 Mar 2018 17:41

Instrument :
 BNA_F
 ClientSampleId :
 J1867-09MSMS

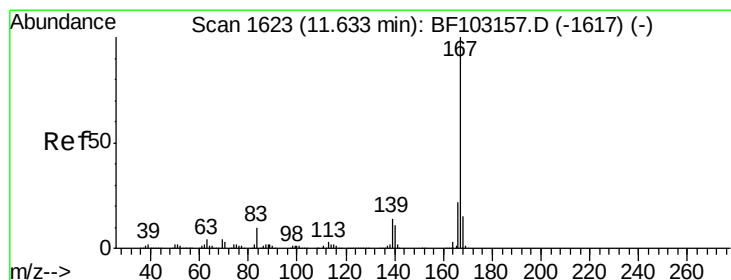
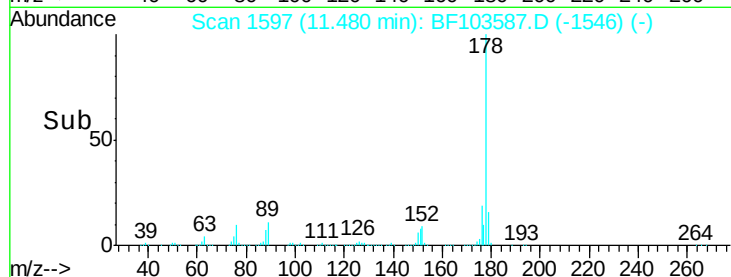
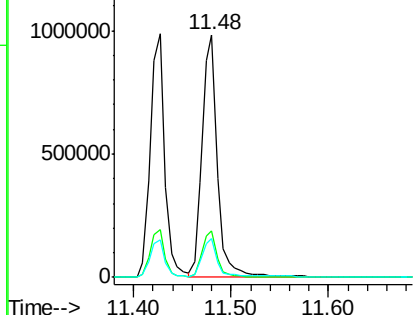
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.8	12.6	19.0

Manual Integrations
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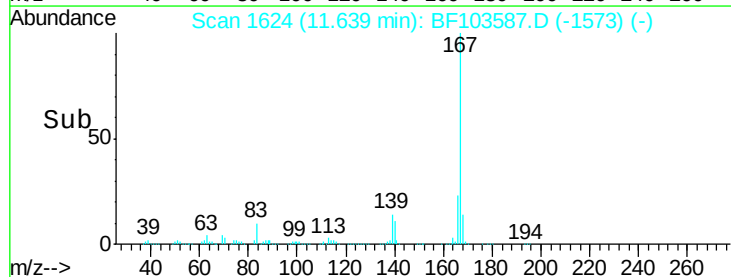
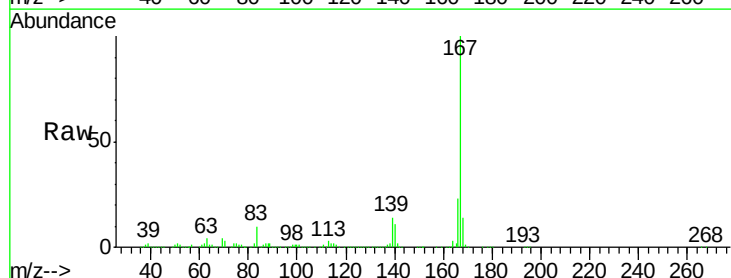
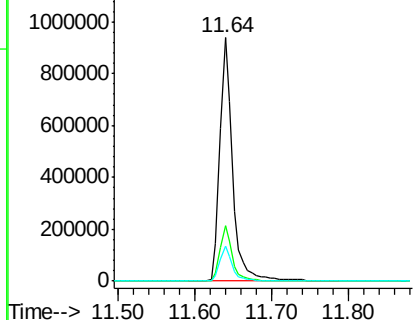
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

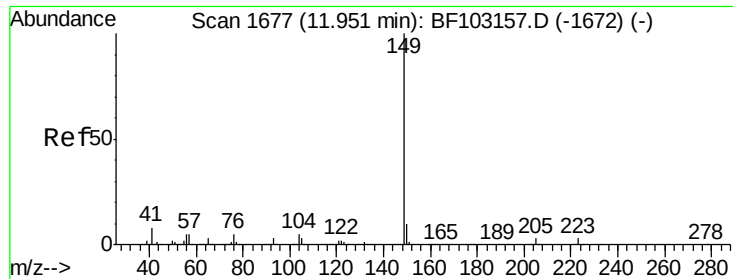


#72
 Carbazole
 Concen: 47.21 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. -0.00 min
 Lab File: BF103587.D
 Acq: 12 Mar 2018 17:41

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.0	17.6	26.4
139	14.4	10.9	16.3

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





#73

Di-n-butylphthalate

Concen: 45.54 ng

RT: 11.94 min Scan# 1675

Delta R.T. -0.01 min

Lab File: BF103587.D

Acq: 12 Mar 2018 17:41

Instrument :

BNA_F

ClientSampleId :

J1867-09MSMS

Tot Ion:149 Resp: 1289291

Ion Ratio Lower Upper

149 100

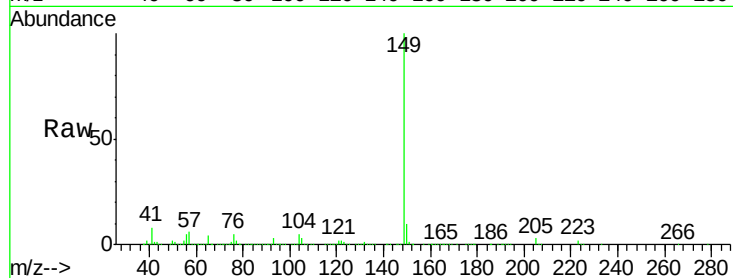
150 9.6 7.8 11.6

104 4.9 3.8 5.8

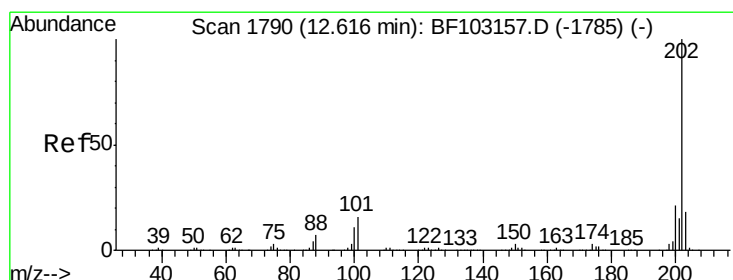
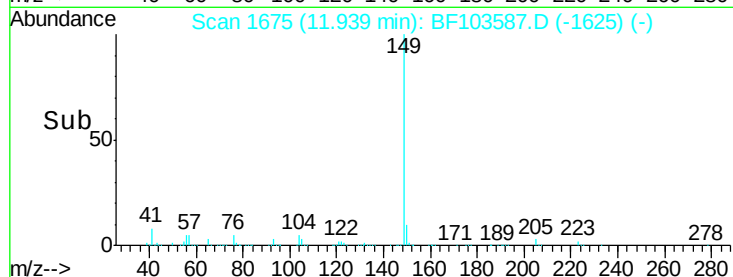
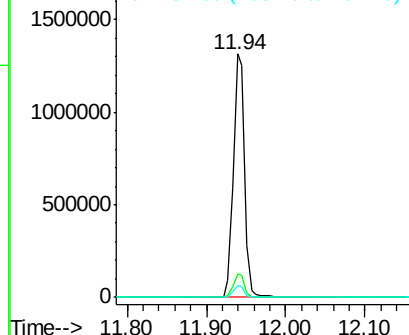
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 47.82 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BF103587.D

Acq: 12 Mar 2018 17:41

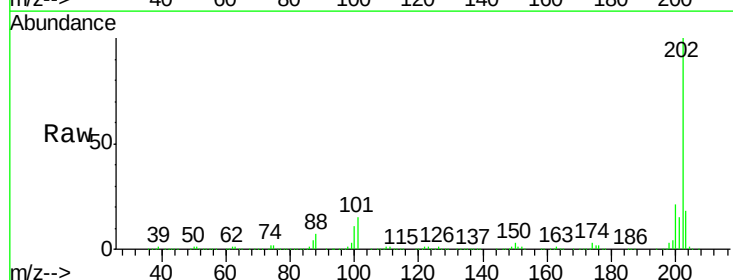
Tgt Ion:202 Resp: 1064600

Ion Ratio Lower Upper

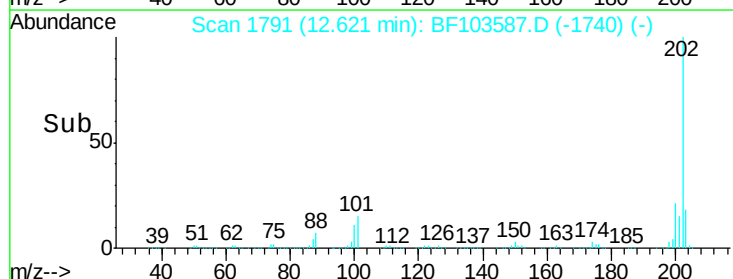
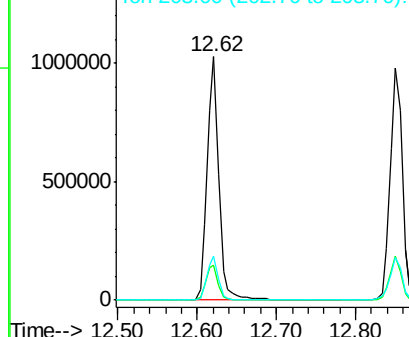
202 100

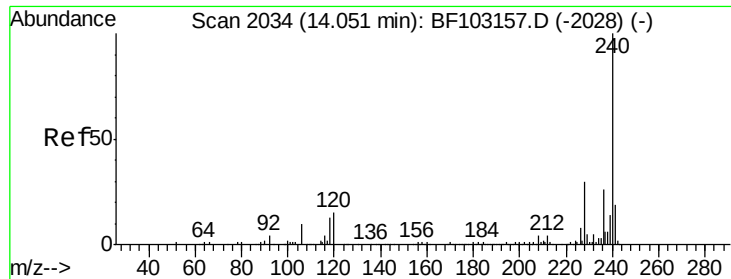
101 14.6 0.0 34.1

203 17.8 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: 20.00 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.00 min

Lab File: BF103587.D

Acq: 12 Mar 2018 17:41

Instrument :

BNA_F

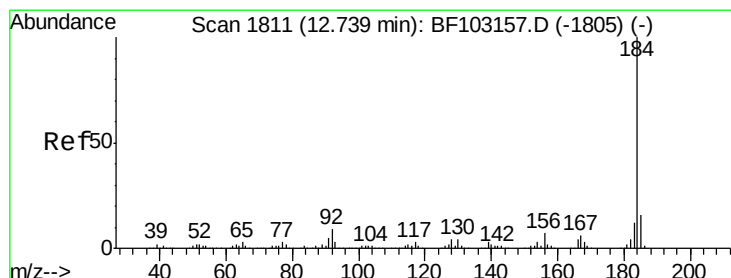
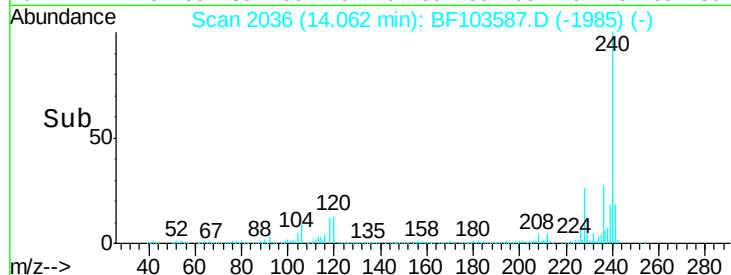
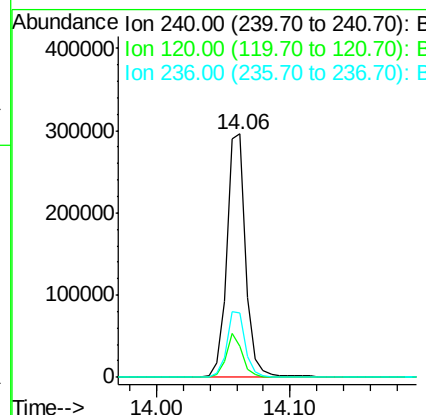
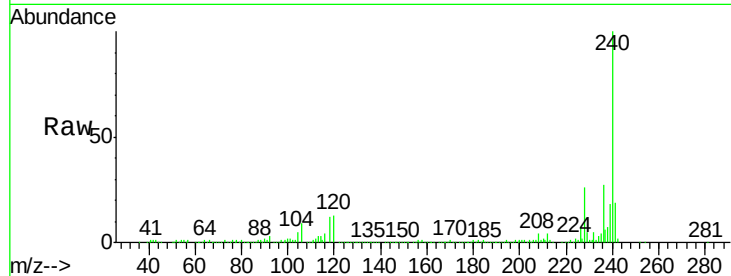
ClientSampleId :

J1867-09MSMS

Tot Ion:	240	Resp:	296848
Ion Ratio	Lower	Upper	
240	100		
120	13.0	9.5	14.3
236	26.5	20.7	31.1

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#76

Benzidine

Concen: 22.98 ng

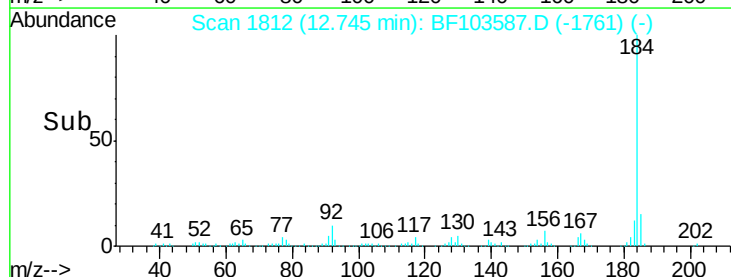
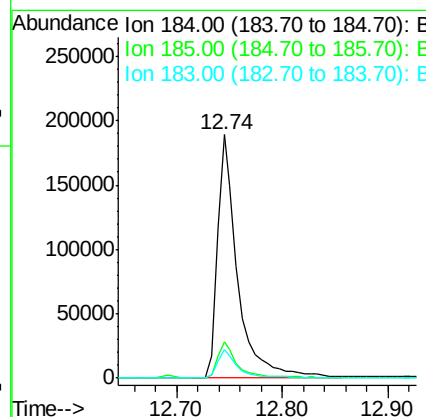
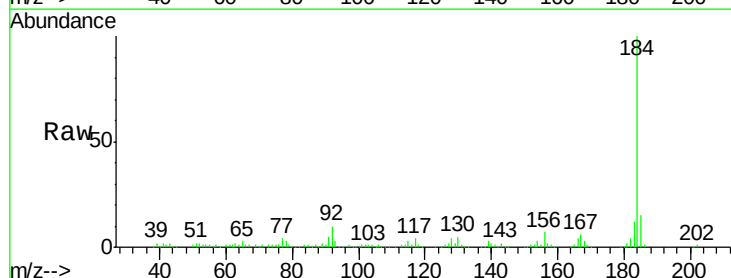
RT: 12.74 min Scan# 1812

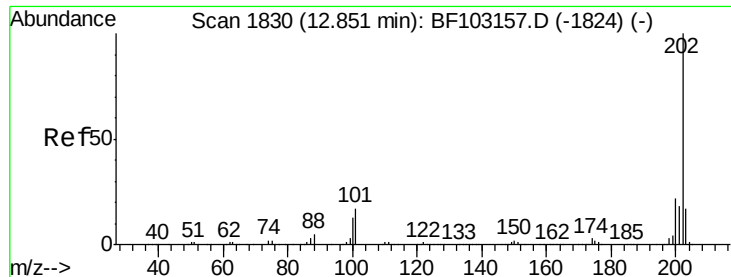
Delta R.T. -0.00 min

Lab File: BF103587.D

Acq: 12 Mar 2018 17:41

Tgt Ion:	184	Resp:	255027
Ion Ratio	Lower	Upper	
184	100		
185	14.8	12.6	18.8
183	11.7	9.3	13.9





#77

Pvrene

Concen: 46.58 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103587.D

Acq: 12 Mar 2018 17:41

Instrument :

BNA_F

ClientSampleId :

J1867-09MSMS

Tot Ion:202 Resp: 1078048

Ion Ratio Lower Upper

202 100

200 22.3 17.4 26.2

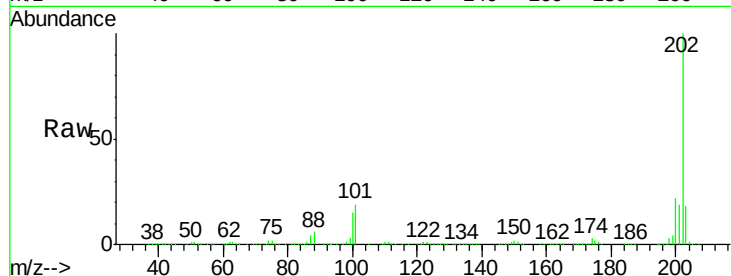
203 18.3 14.3 21.5

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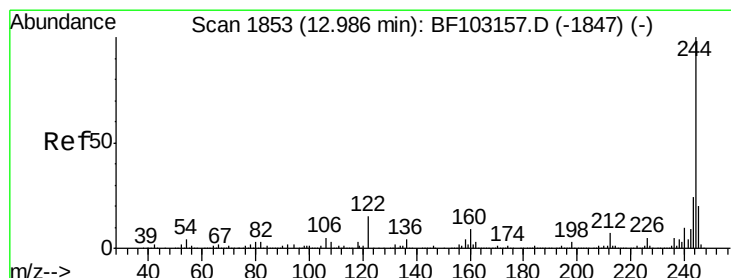
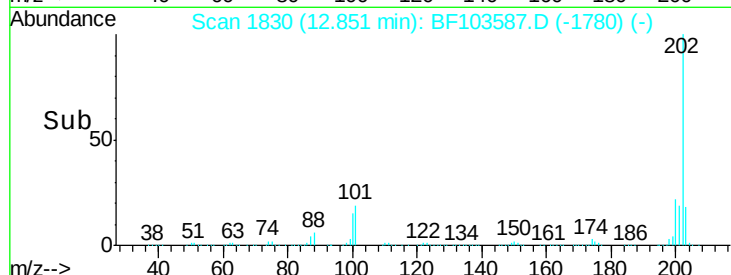
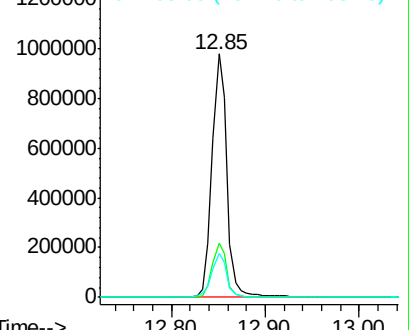
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 98.14 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BF103587.D

Acq: 12 Mar 2018 17:41

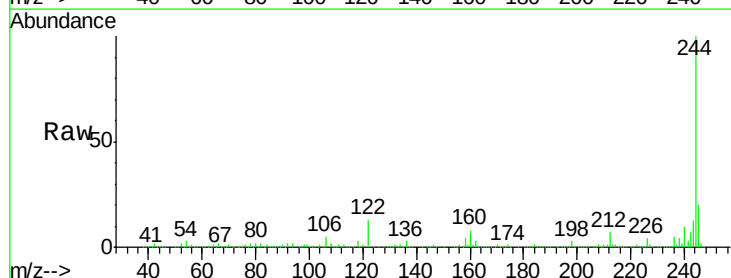
Tgt Ion:244 Resp: 1211890

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

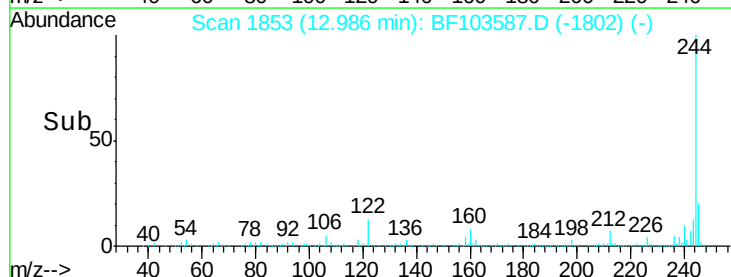
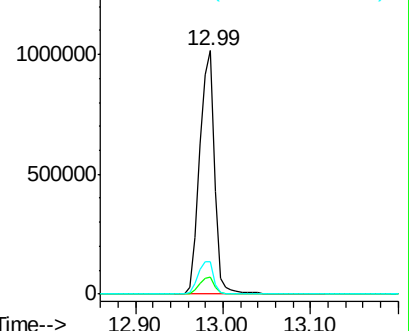
122 13.2 11.0 16.4

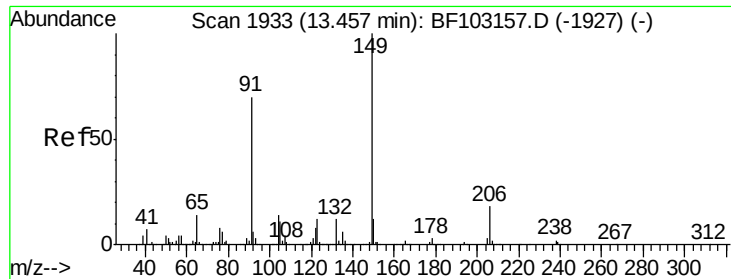


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





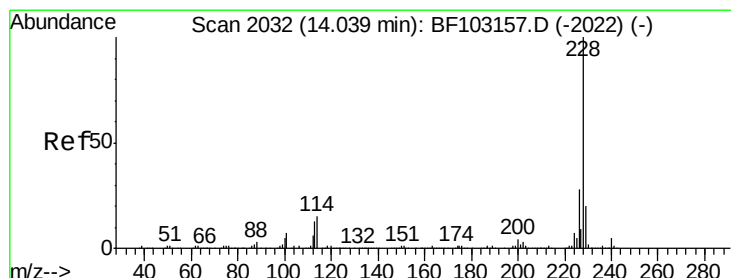
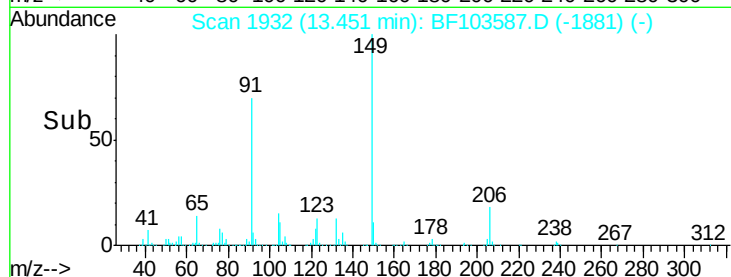
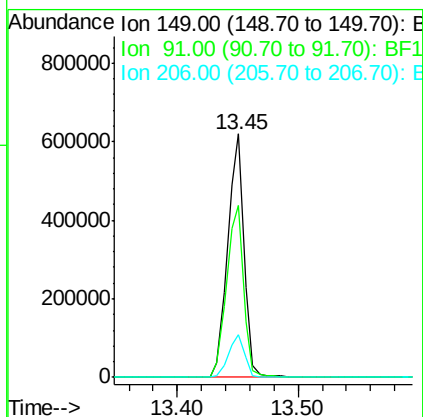
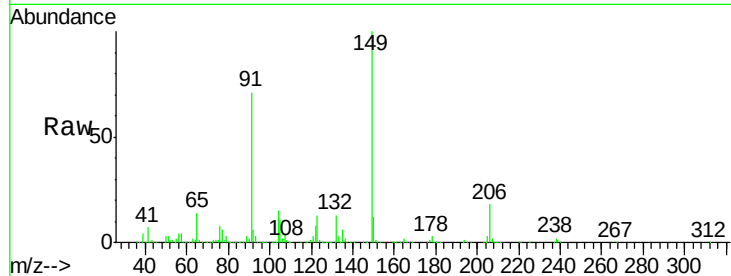
#79
Butylbenzylphthalate
Concen: 47.92 ng
RT: 13.45 min Scan# 1932
Delta R.T. -0.00 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Instrument :
BNA_F
ClientSampleId :
J1867-09MSMS

Tot Ion	Ratio	Lower	Upper
149	100		
91	70.6	56.8	85.2
206	17.8	14.1	21.1

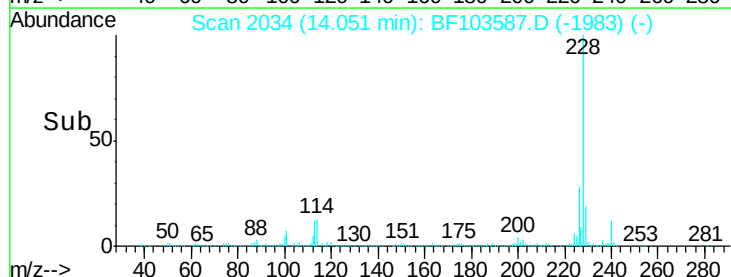
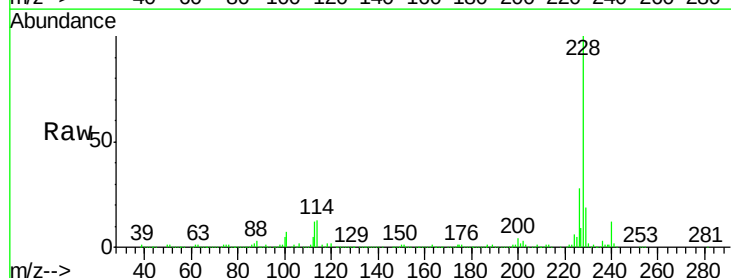
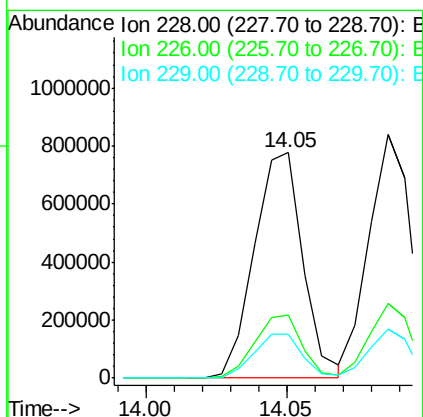
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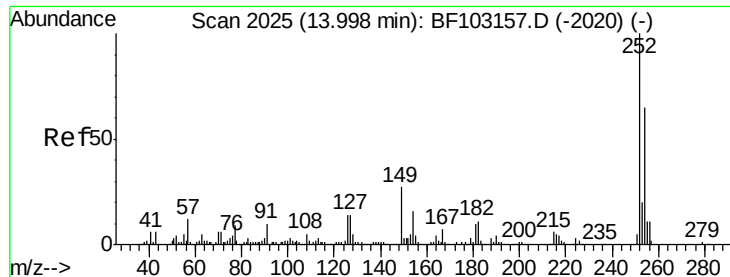
Sohil
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#80
Benzo(a)anthracene
Concen: 48.15 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	19.5	15.8	23.6





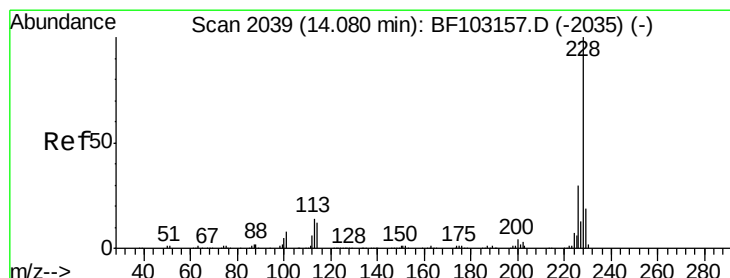
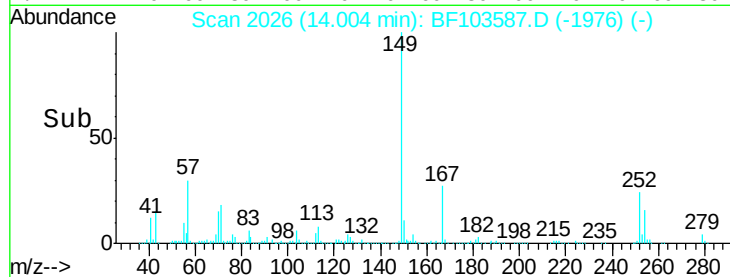
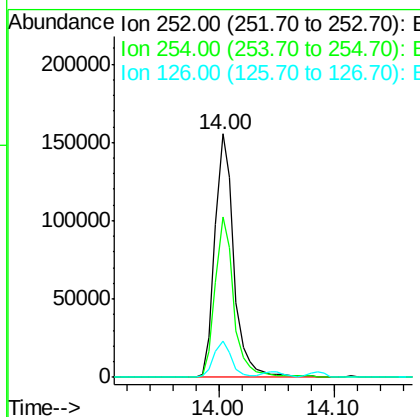
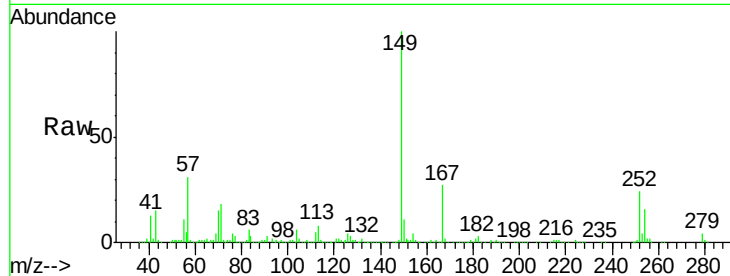
#81
 3,3'-Dichlorobenzidine
 Concen: 25.98 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF103587.D
 Acq: 12 Mar 2018 17:41

Instrument :
 BNA_F
 ClientSampleId :
 J1867-09MSMS

Tot Ion	Ratio	Lower	Upper
252	100		
254	66.1	50.4	75.6
126	14.8	11.3	16.9

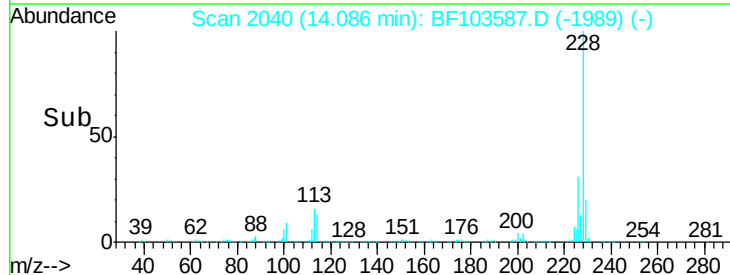
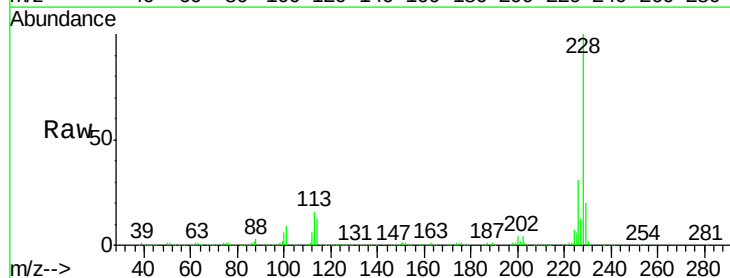
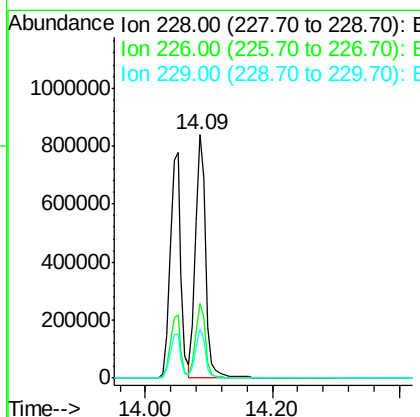
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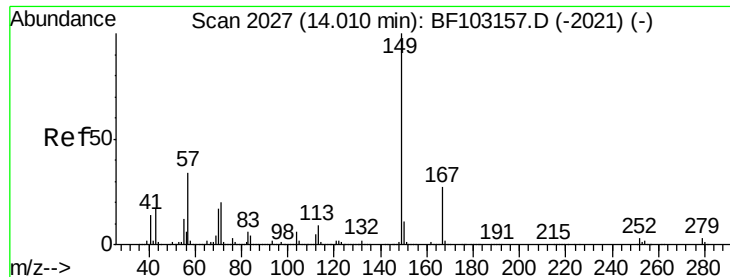
Sohil
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#82
 Chrysene
 Concen: 48.97 ng
 RT: 14.09 min Scan# 2040
 Delta R.T. -0.00 min
 Lab File: BF103587.D
 Acq: 12 Mar 2018 17:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	20.2	16.2	24.4





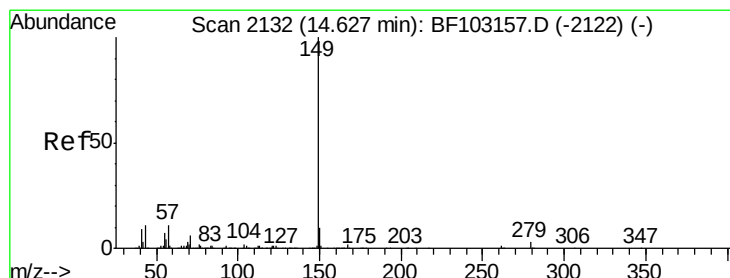
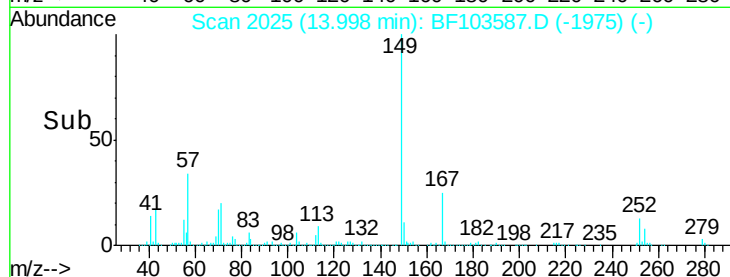
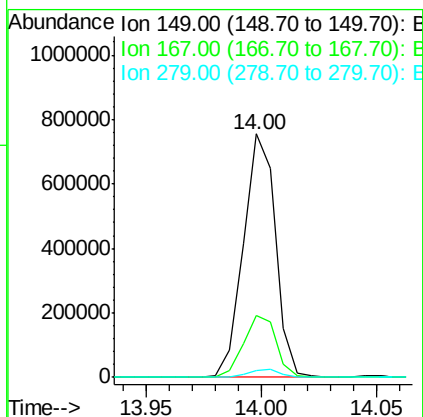
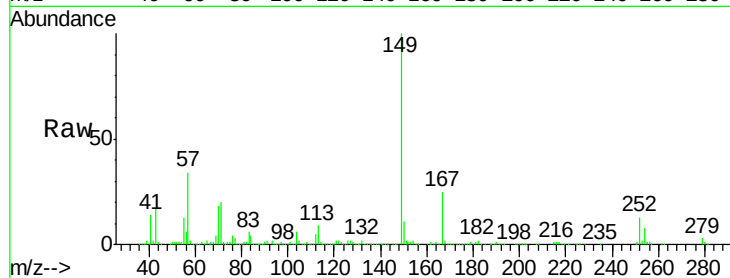
#83
Bis(2-ethylhexyl)phthalate
Concen: 44.46 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Instrument :
BNA_F
ClientSampleId :
J1867-09MSMS

Tot Ion	Ratio	Lower	Upper
149	100		
167	25.4	21.3	31.9
279	2.9	3.0	4.4#

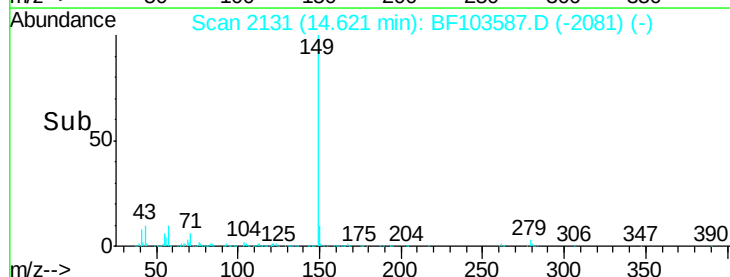
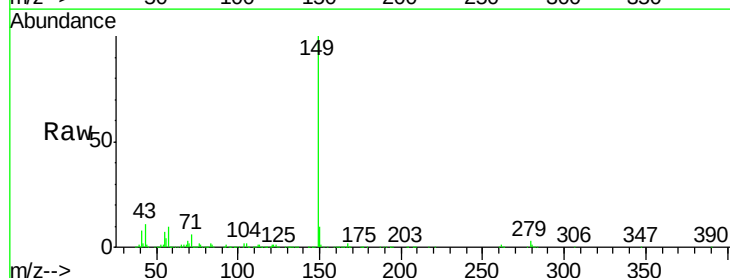
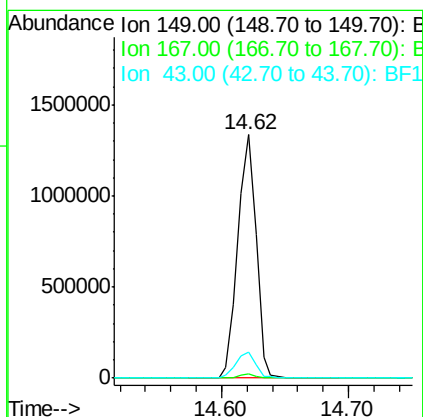
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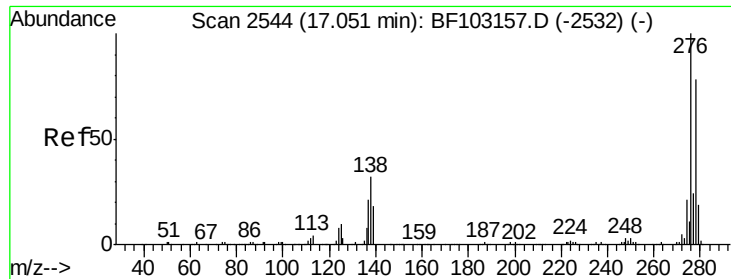
Sohil
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#84
Di-n-octyl phthalate
Concen: 49.81 ng
RT: 14.62 min Scan# 2131
Delta R.T. -0.01 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	10.6	8.4	12.6





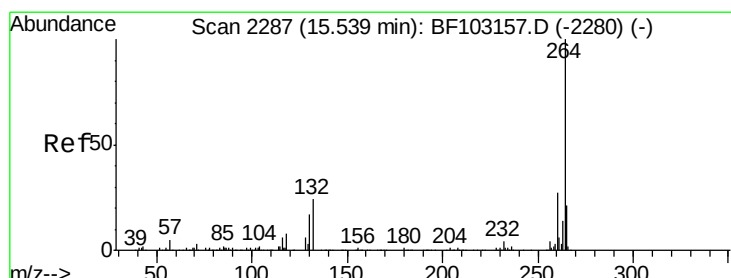
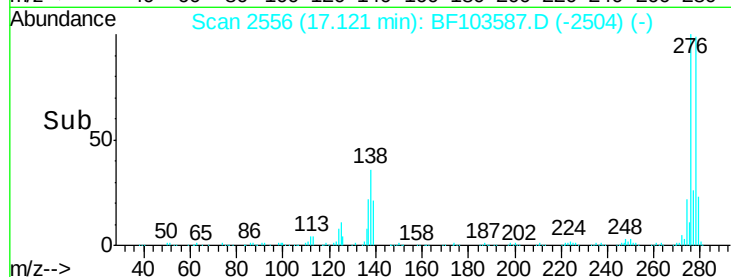
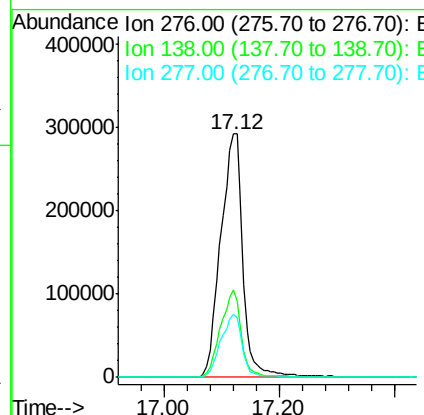
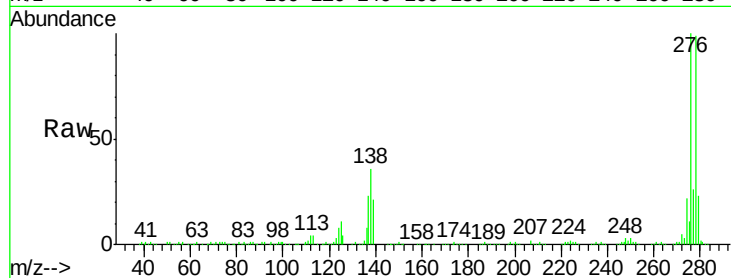
#85
Indeno(1,2,3-cd)pyrene
Concen: 52.90 ng
RT: 17.12 min Scan# 2556
Delta R.T. 0.01 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Instrument :
BNA_F
ClientSampleId :
J1867-09MSMS

Tot Ion	Ratio	Lower	Upper
276	100		
138	33.8	25.0	37.6
277	25.2	20.1	30.1

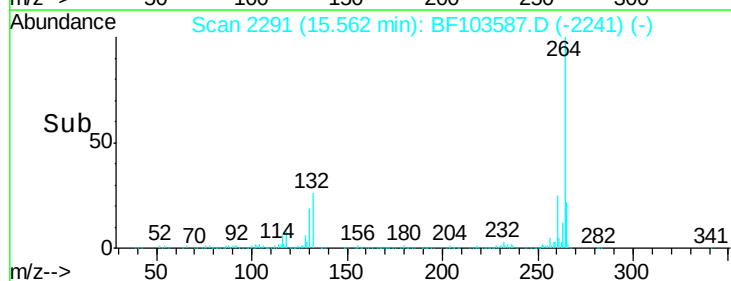
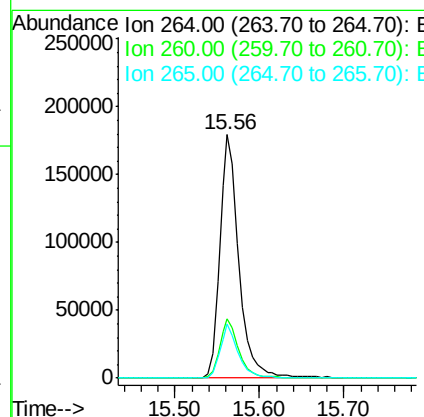
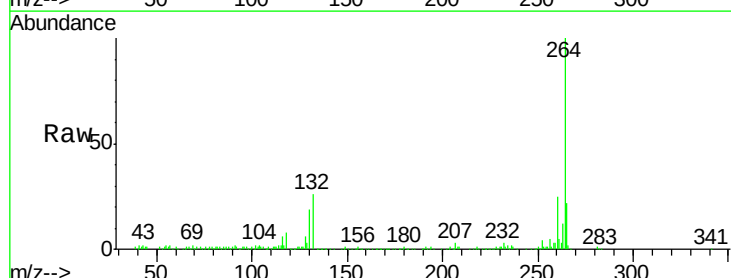
Manual Integrations
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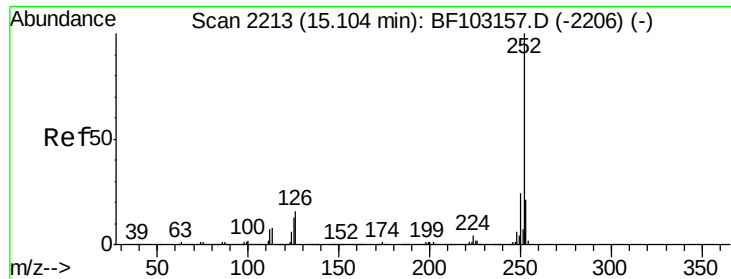
Sohil
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.1	17.5	26.3





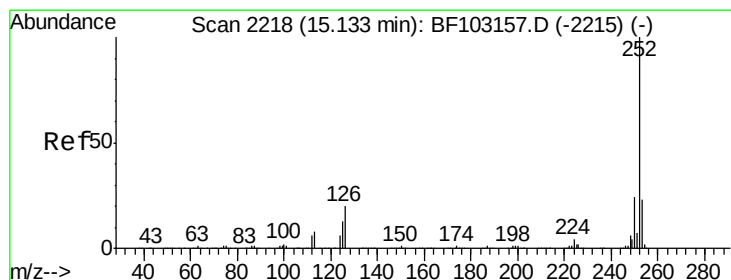
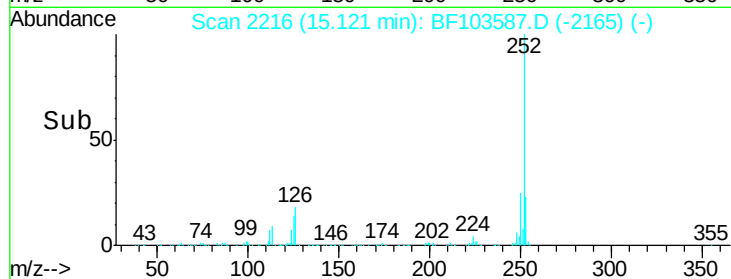
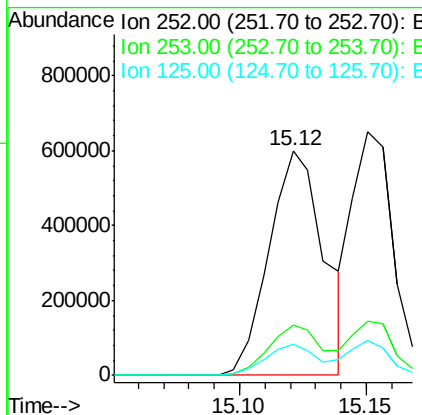
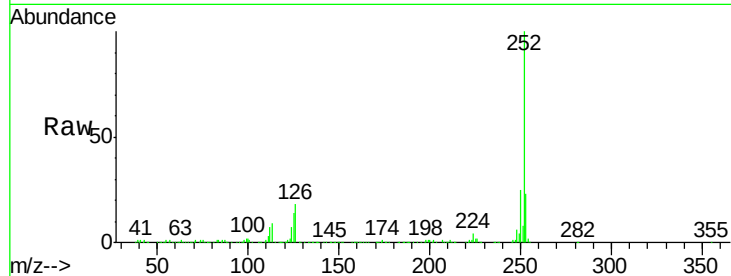
#87
Benzo(b)fluoranthene
Concen: 48.38 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Instrument :
BNA_F
ClientSampleId :
J1867-09MSMS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	13.7	9.0	13.6

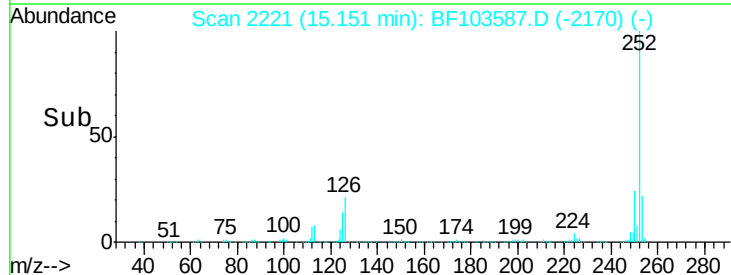
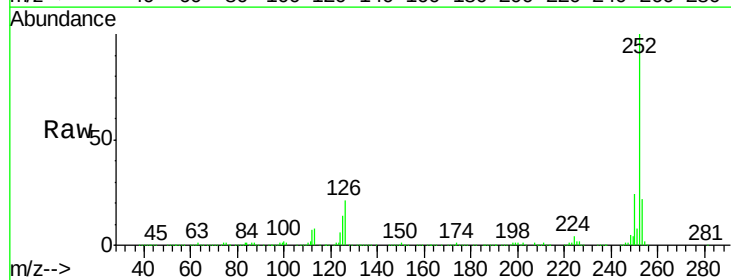
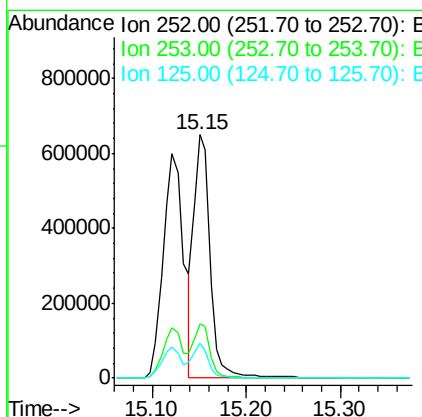
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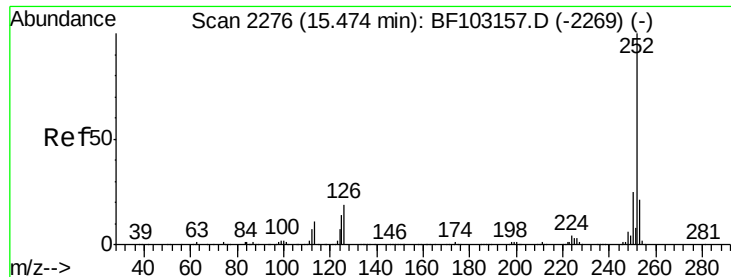
Sohil
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#88
Benzo(k)fluoranthene
Concen: 43.57 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.00 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	14.4	10.2	15.2





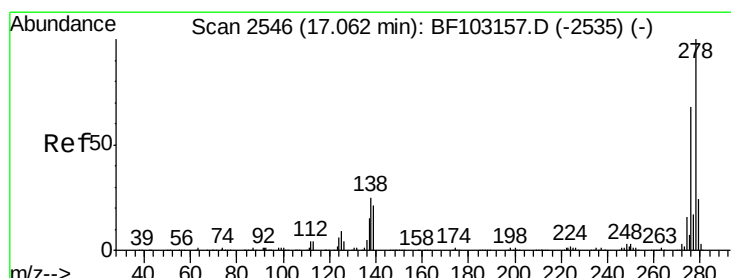
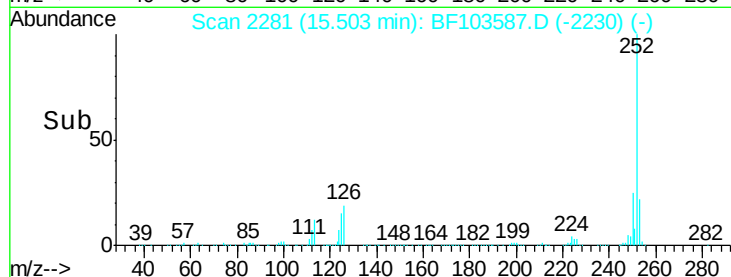
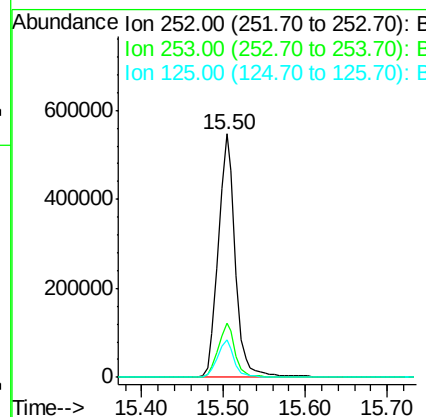
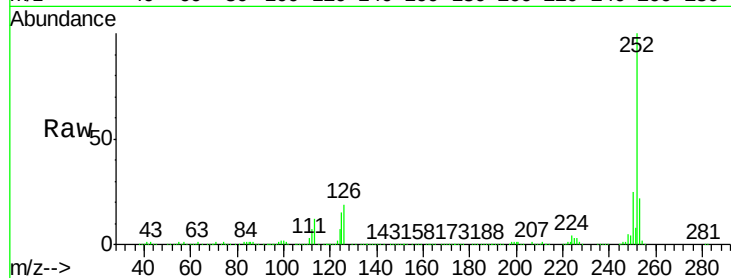
#89
Benzo(a)pyrene
Concen: 47.43 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Instrument :
BNA_F
ClientSampleId :
J1867-09MSMS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	15.3	9.8	14.6

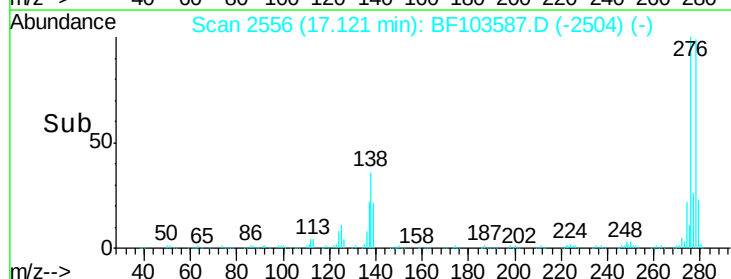
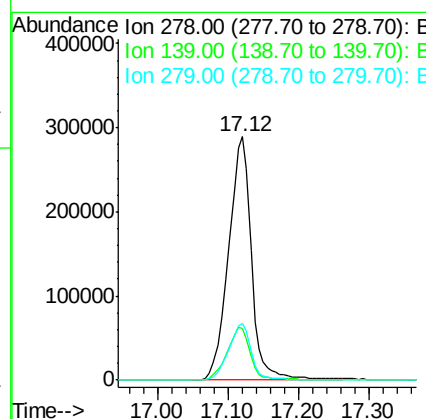
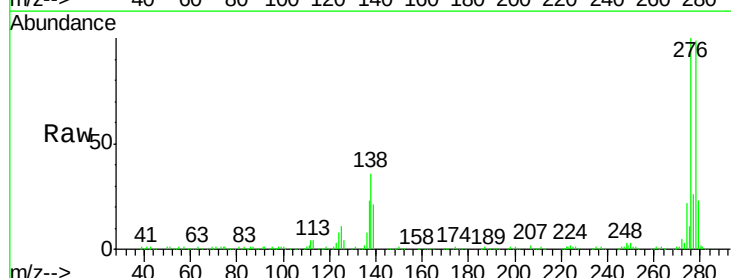
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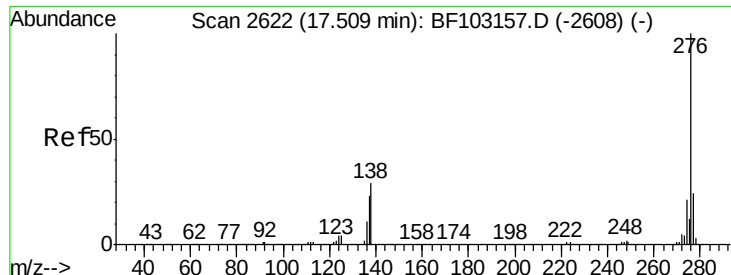
Sohil
3/13/2018 4:15:42 PM



#90
Dibenzo(a,h)anthracene
Concen: 50.35 ng
RT: 17.12 min Scan# 2556
Delta R.T. 0.01 min
Lab File: BF103587.D
Acq: 12 Mar 2018 17:41

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.4	15.9	23.9
279	23.3	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 54.18 ng
 RT: 17.59 min Scan# 2635
 Delta R.T. -0.00 min
 Lab File: BF103587.D
 Acq: 12 Mar 2018 17:41

Instrument :
 BNA_F
 ClientSampleId :
 J1867-09MSMS

Tot Ion:	276	Resp:	685855
Ion Ratio		Lower	Upper
276	100		
277	23.8	17.9	26.9
138	28.2	21.8	32.8

Manual Integrations
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Sohil
 3/13/2018 4:15:42 PM

