

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
 Data File : BF098869.D
 Acq On : 27 Sep 2017 18:13
 Operator : SJ/JU
 Sample : I5421-02MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-DRUMMSD

Manual Integrations
 APPROVED

Sohil
 9/28/2017 2:32:17 PM

Quant Time: Sep 28 03:56:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	137412	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	582689	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	273212	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	508983	20.00	ng	0.00
75) Chrysene-d12	14.09	240	447656	20.00	ng	0.00
86) Perylene-d12	15.57	264	420274	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	950906	110.16	ng	0.00
7) Phenol-d6	6.55	99	1059592	99.51	ng	0.00
23) Nitrobenzene-d5	7.48	82	790518	87.00	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	291827	130.54	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	1359718	83.08	ng	0.00
78) Terphenyl-d14	13.03	244	1461500	74.25	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	2.85	88	137563	33.362	ng	98
3) Pyridine	3.58	79	362076	32.460	ng	99
4) n-Nitrosodimethylamine	3.52	42	194916	41.208	ng	99
6) Aniline	6.58	93	224869	15.647	ng	98
8) 2-Chlorophenol	6.70	128	382220	39.101	ng	95
9) Benzaldehyde	6.47	77	73614	11.918	ng	98
10) Phenol	6.56	94	396894	33.327	ng	95
11) bis(2-Chloroethyl)ether	6.65	93	383641	41.438	ng	99
12) 1,3-Dichlorobenzene	6.86	146	408919	39.943	ng	98
13) 1,4-Dichlorobenzene	6.93	146	413767	39.724	ng	99
14) 1,2-Dichlorobenzene	7.09	146	392306	40.762	ng	99
15) Benzyl Alcohol	7.06	79	341299	43.690	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.19	45	591032	40.975	ng	98
17) 2-Methylphenol	7.16	107	318349	39.801	ng	97
18) Hexachloroethane	7.43	117	147955	39.519	ng	97
19) n-Nitroso-di-n-propylamine	7.33	70	265863	39.106	ng	96
20) 3+4-Methylphenols	7.32	107	391188	38.660	ng	# 81
22) Acetophenone	7.32	105	540734	38.302	ng	# 99
24) Nitrobenzene	7.50	77	412937	40.064	ng	96
25) Isophorone	7.73	82	756589	40.275	ng	99
26) 2-Nitrophenol	7.81	139	213522	43.080	ng	94
27) 2,4-Dimethylphenol	7.85	122	361307	38.600	ng	98
28) bis(2-Chloroethoxy)methane	7.94	93	492079	42.034	ng	99
29) 2,4-Dichlorophenol	8.05	162	331821	41.290	ng	98
30) 1,2,4-Trichlorobenzene	8.13	180	331888	41.291	ng	99
31) Naphthalene	8.22	128	1135071	41.476	ng	100
32) Benzoic acid	7.94	122	124410	16.181	ng	96
33) 4-Chloroaniline	8.26	127	125074	10.944	ng	97
34) Hexachlorobutadiene	8.33	225	164805	39.808	ng	99
35) Caprolactam	8.63	113	102771m	39.867	ng	
36) 4-Chloro-3-methylphenol	8.75	107	360710	39.933	ng	96
37) 2-Methylnaphthalene	8.91	142	806449	45.330	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.07	216	304636	37.388	ng	99
40) Hexachlorocyclopentadiene	9.06	237	289573	77.767	ng	97

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Quant Time: Sep 28 03:56:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.19	196	228835	39.644	ng	98
43) 2,4,5-Trichlorophenol	9.23	196	242521	42.088	ng	96
45) 1,1'-Biphenyl	9.37	154	916484	39.031	ng	99
46) 2-Chloronaphthalene	9.40	162	730901	41.458	ng	99
47) 2-Nitroaniline	9.49	65	237593	44.013	ng	100
48) Acenaphthylene	9.82	152	1133673	42.006	ng	100
49) Dimethylphthalate	9.67	163	875193	42.443	ng	100
50) 2,6-Dinitrotoluene	9.73	165	202384	45.082	ng	97
51) Acenaphthene	9.99	154	745789	43.624	ng	99
52) 3-Nitroaniline	9.90	138	97462	18.619	ng	99
53) 2,4-Dinitrophenol	10.01	184	128114	56.649	ng	94
54) Dibenzofuran	10.16	168	1037056	45.560	ng	98
55) 4-Nitrophenol	10.06	139	342515	77.385	ng	93
56) 2,4-Dinitrotoluene	10.14	165	278973	47.882	ng	95
57) Fluorene	10.50	166	787334	43.034	ng	100
58) 2,3,4,6-Tetrachlorophenol	10.27	232	185191	46.525	ng	99
59) Diethylphthalate	10.37	149	870325	43.194	ng	97
60) 4-Chlorophenyl-phenylether	10.49	204	352614	42.905	ng	97
61) 4-Nitroaniline	10.52	138	223048	44.168	ng	91
62) Azobenzene	10.65	77	831685	44.891	ng	97
64) 4,6-Dinitro-2-methylphenol	10.55	198	107489	34.710	ng	93
65) n-Nitrosodiphenylamine	10.61	169	729257	41.358	ng	99
66) 4-Bromophenyl-phenylether	10.98	248	210414	42.234	ng	99
67) Hexachlorobenzene	11.05	284	214057	40.228	ng	95
68) Atrazine	11.14	200	233310	43.978	ng	99
69) Pentachlorophenol	11.25	266	247476	74.729	ng	99
70) Phenanthrene	11.47	178	1184323	43.470	ng	99
71) Anthracene	11.52	178	1218874	43.724	ng	100
72) Carbazole	11.67	167	1205071	44.144	ng	99
73) Di-n-butylphthalate	11.99	149	1389400	42.285	ng	100
74) Fluoranthene	12.66	202	1288762	46.714	ng	99
76) Benzidine	12.77	184	349895	21.132	ng	99
77) Pyrene	12.89	202	1346641	39.450	ng	99
79) Butylbenzylphthalate	13.50	149	668441	41.666	ng	94
80) Benzo(a)anthracene	14.07	228	1187181	43.797	ng	100
81) 3,3'-Dichlorobenzidine	14.03	252	221632	22.304	ng	96
82) Chrysene	14.12	228	1094795	42.423	ng	99
83) Bis(2-ethylhexyl)phthalate	14.05	149	901243	40.798	ng	99
84) Di-n-octyl phthalate	14.66	149	1537473	43.224	ng	97
85) Indeno(1,2,3-cd)pyrene	17.09	276	1041712	50.461	ng	96
87) Benzo(b)fluoranthene	15.14	252	1126124	43.580	ng	98
88) Benzo(k)fluoranthene	15.17	252	1034718	40.542	ng	99
89) Benzo(a)pyrene	15.52	252	1037564	43.743	ng	97
90) Dibenzo(a,h)anthracene	17.11	278	857019	45.148	ng	96
91) Benzo(g,h,i)perylene	17.55	276	864894	46.094	ng	95

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

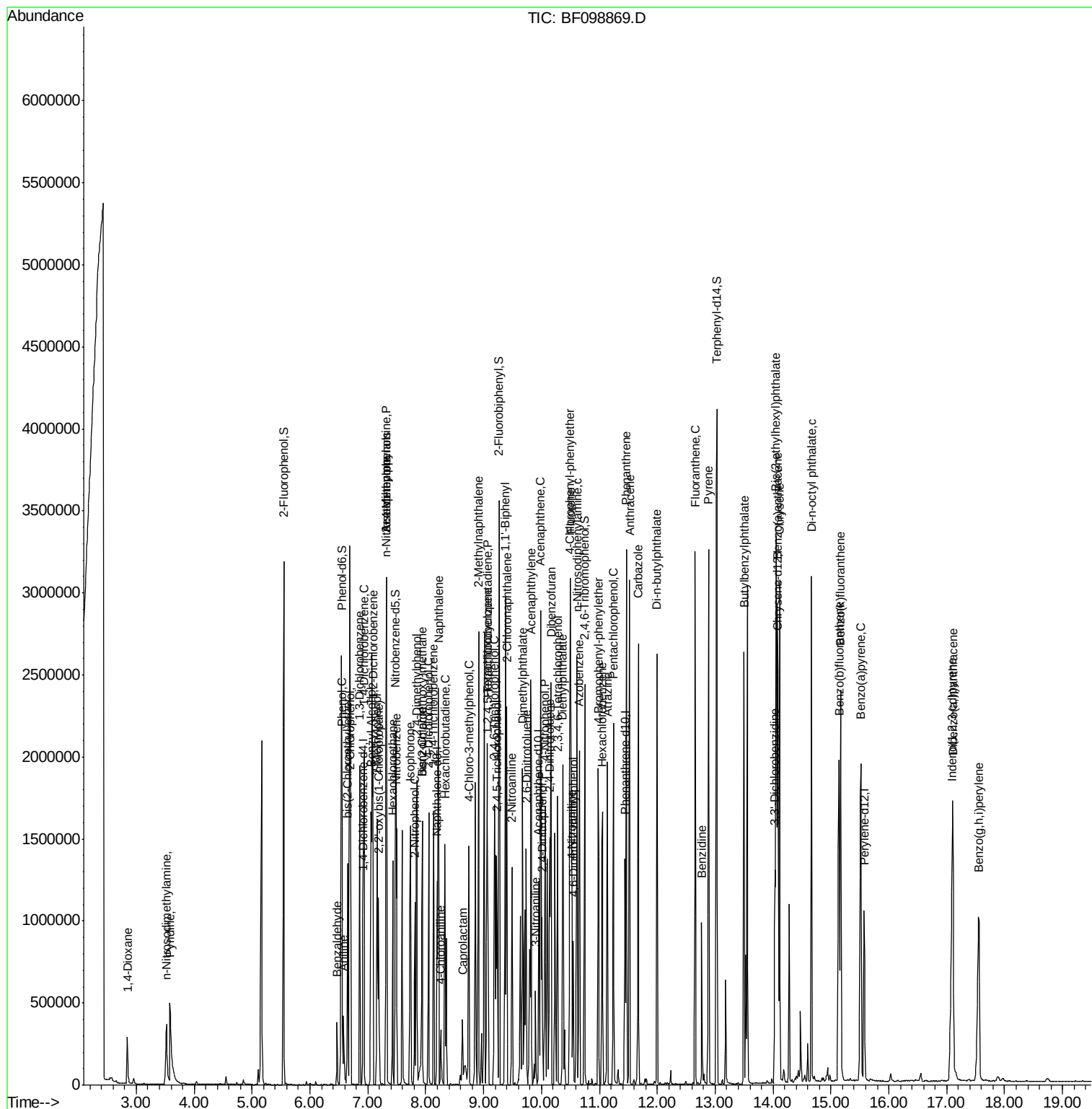
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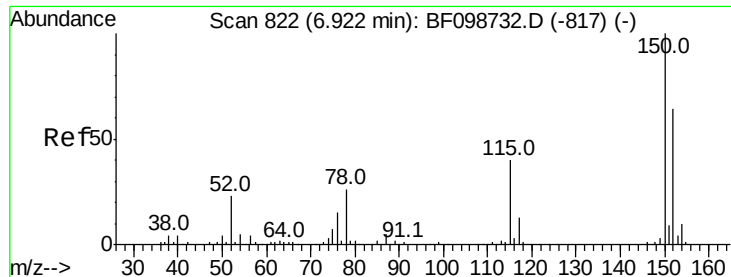
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#1

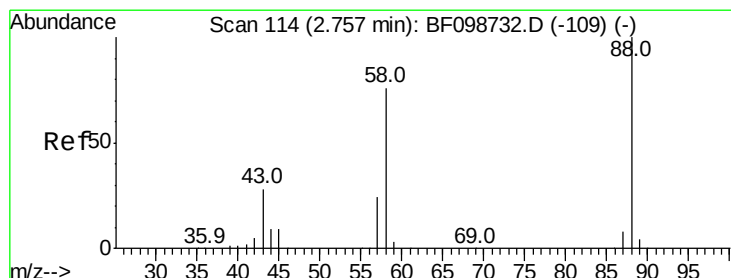
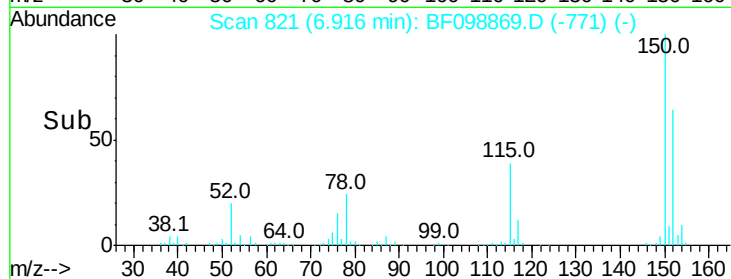
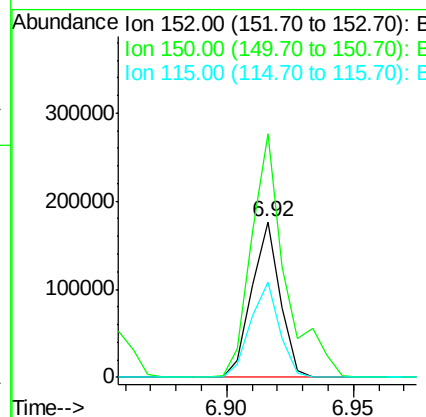
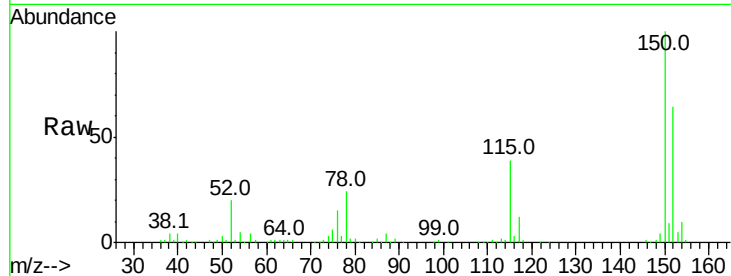
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Instrument :
BNA_F
ClientSampleId :
JC-DRUMMSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	61.6	50.1	75.1

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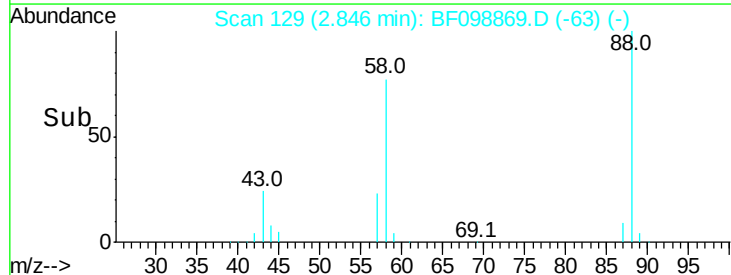
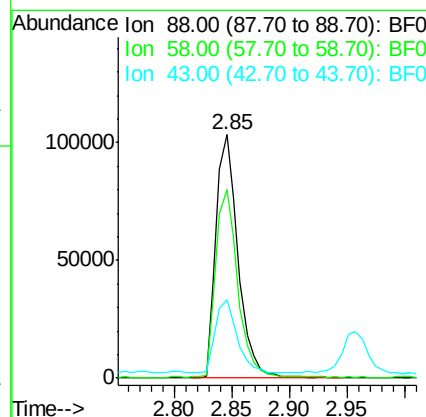
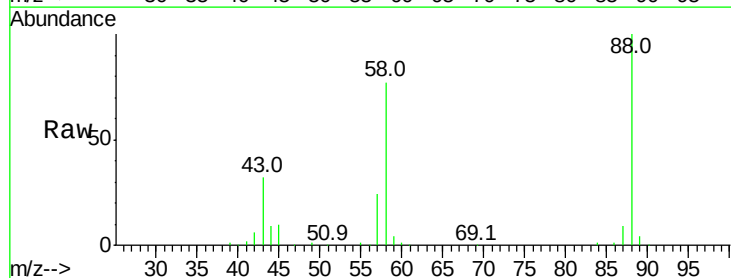
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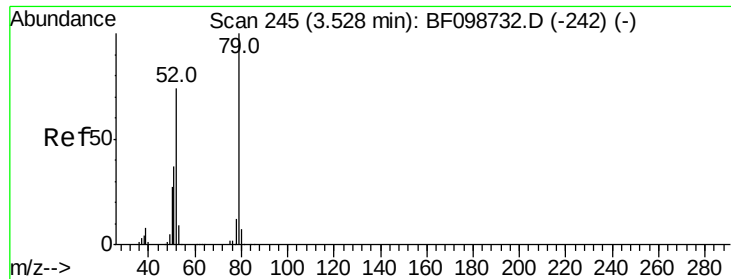


#2

1,4-Dioxane
Concen: 33.362 ng
RT: 2.85 min Scan# 129
Delta R.T. 0.09 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Tgt Ion	Ratio	Lower	Upper
88	100		
58	77.0	62.6	93.8
43	29.2	24.6	37.0





#3

Pvridine

Concen: 32.460 ng

RT: 3.58 min Scan# 254

Delta R.T. 0.05 min

Lab File: BF098869.D

Acq: 27 Sep 2017 18:13

Instrument :

BNA_F

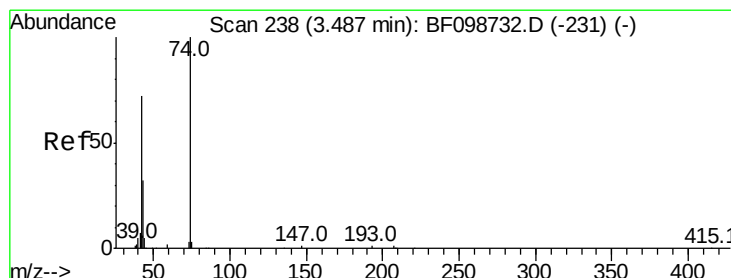
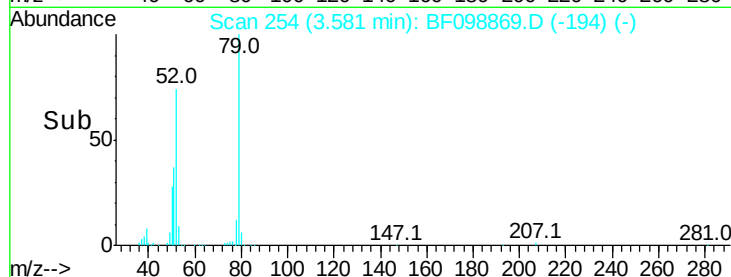
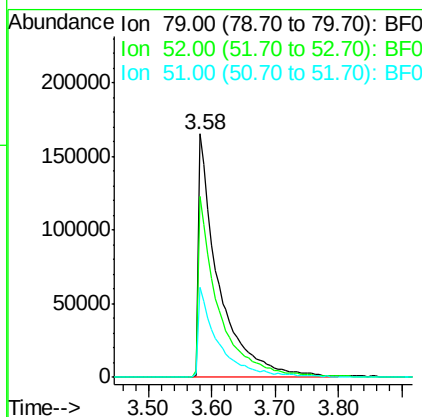
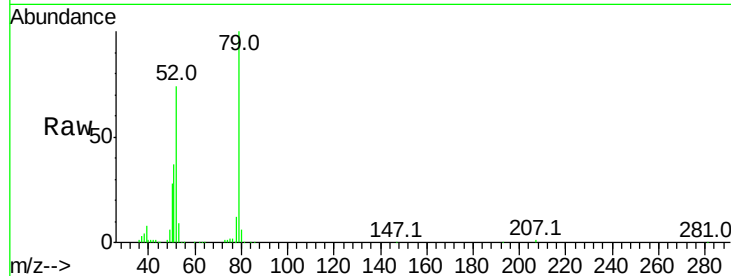
ClientSampleId :

JC-DRUMMSD

Tot Ion	79	Resp	362076
Ion	Ratio	Lower	Upper
79	100		
52	74.2	59.8	89.6
51	37.0	29.8	44.8

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#4

n-Nitrosodimethylamine

Concen: 41.208 ng

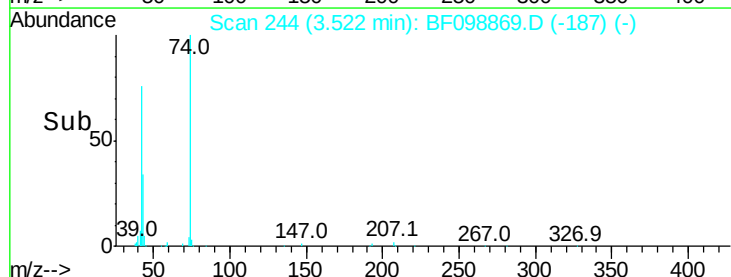
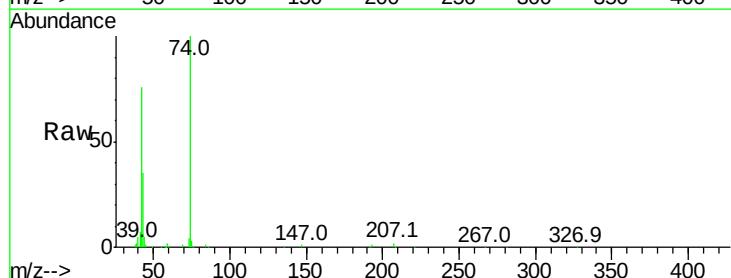
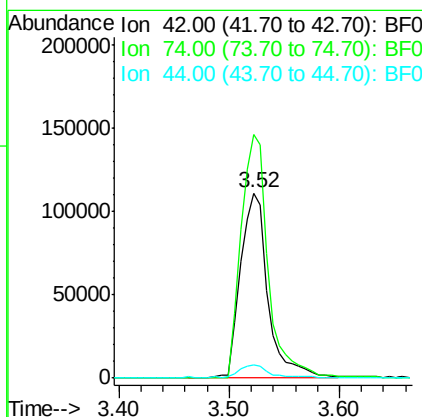
RT: 3.52 min Scan# 244

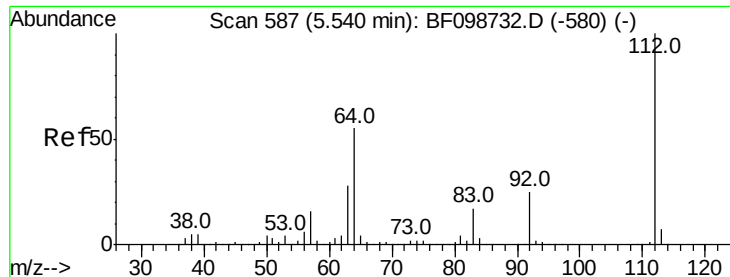
Delta R.T. 0.04 min

Lab File: BF098869.D

Acq: 27 Sep 2017 18:13

Tgt Ion	42	Resp	194916
Ion	Ratio	Lower	Upper
42	100		
74	131.4	104.9	157.3
44	7.0	6.9	10.3





#5

2-Fluorophenol

Concen: 110.161 ng

RT: 5.55 min Scan# 588

Delta R.T. 0.01 min

Lab File: BF098869.D

Acq: 27 Sep 2017 18:13

Instrument :

BNA_F

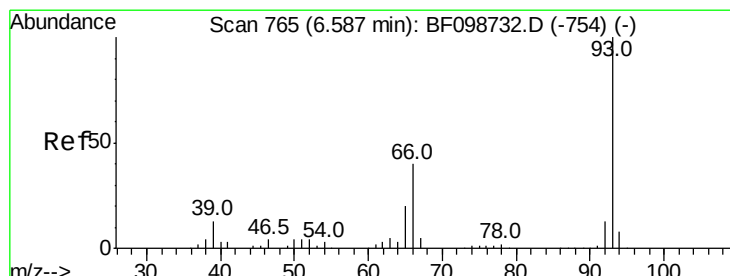
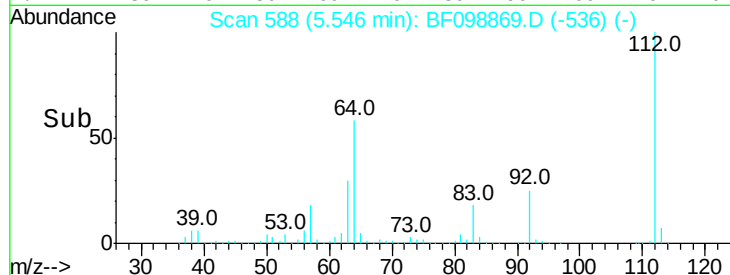
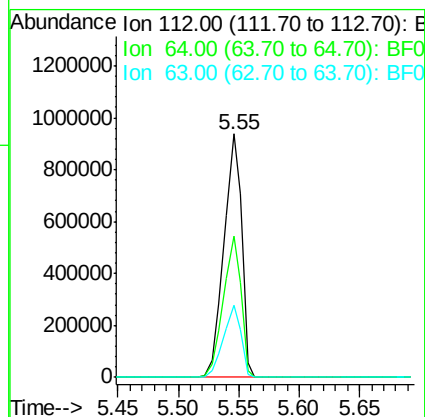
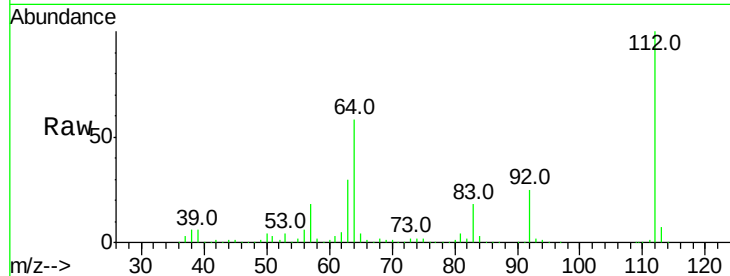
ClientSampleId :

JC-DRUMMSD

Tot Ion	Ratio	Resp	Lower	Upper
112	100	950906		
64	58.3	47.9	71.9	
63	29.5	23.7	35.5	

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#6

Aniline

Concen: 15.647 ng

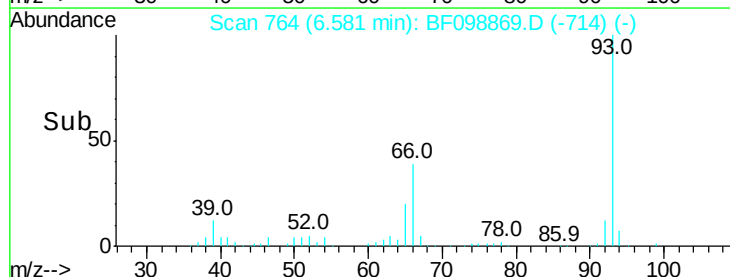
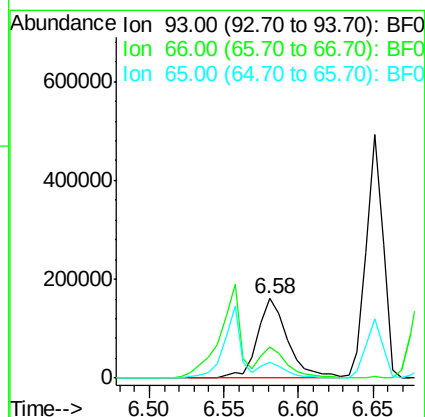
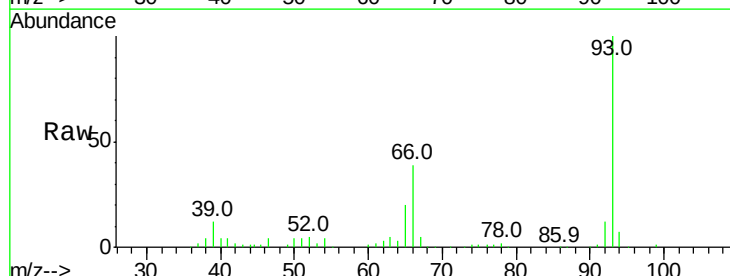
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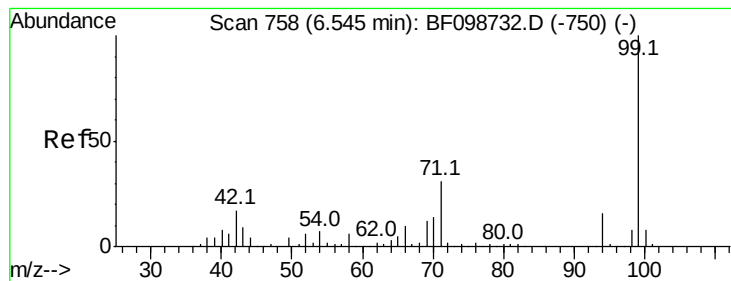
Delta R.T. -0.01 min

Lab File: BF098869.D

Acq: 27 Sep 2017 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	224869		
66	38.7	32.2	48.2	
65	19.6	16.4	24.6	





#7

Phenol-d6

Concen: 99.506 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.00 min

Lab File: BF098869.D

Acq: 27 Sep 2017 18:13

Instrument :

BNA_F

ClientSampleId :

JC-DRUMMSD

Tot Ion: 99 Resp: 1059592

Ion Ratio Lower Upper

99 100

42 16.2 14.5 21.7

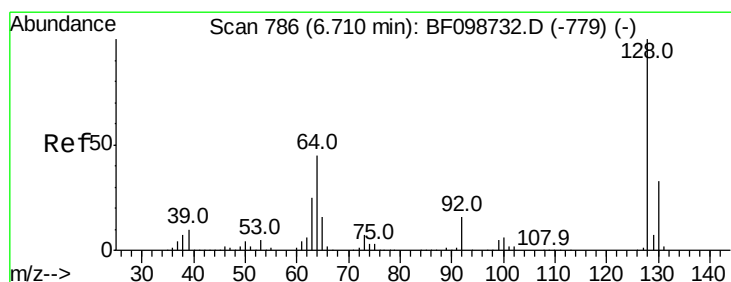
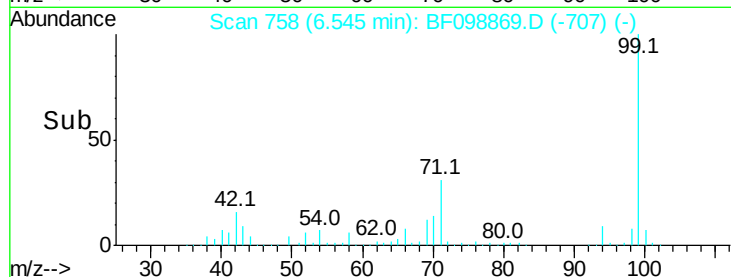
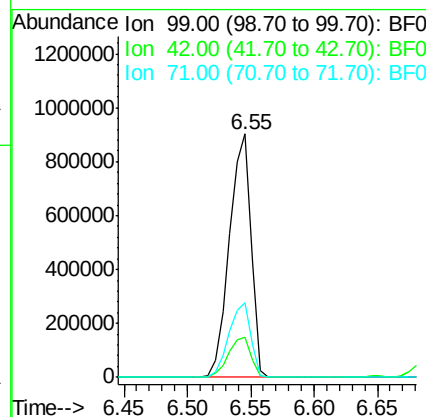
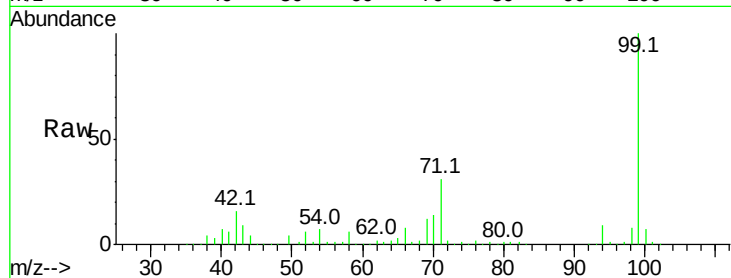
71 30.8 25.4 38.0

Manual Integrations

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#8

2-Chlorophenol

Concen: 39.101 ng

RT: 6.70 min Scan# 785

Delta R.T. -0.01 min

Lab File: BF098869.D

Acq: 27 Sep 2017 18:13

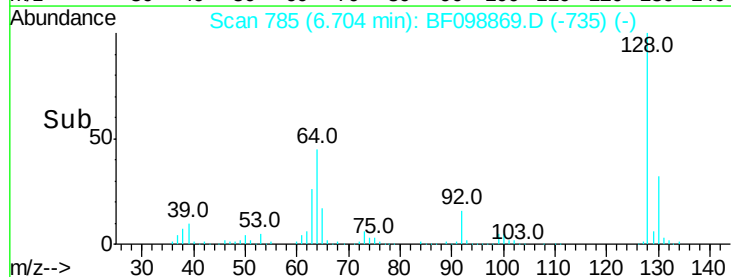
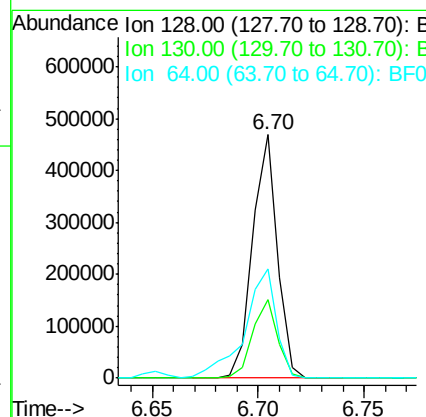
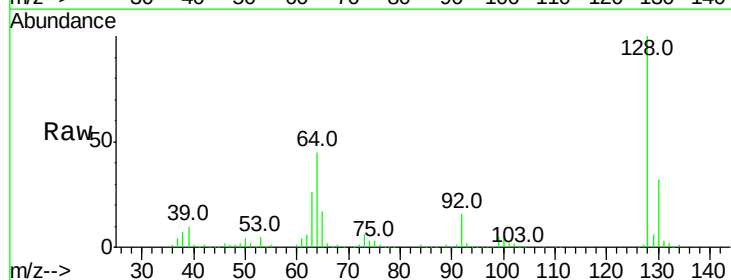
Tgt Ion: 128 Resp: 382220

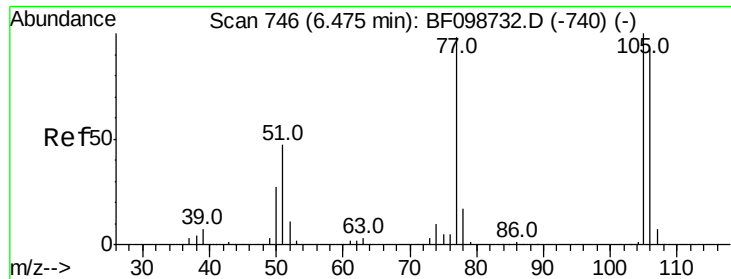
Ion Ratio Lower Upper

128 100

130 32.2 13.0 53.0

64 44.6 29.4 69.4





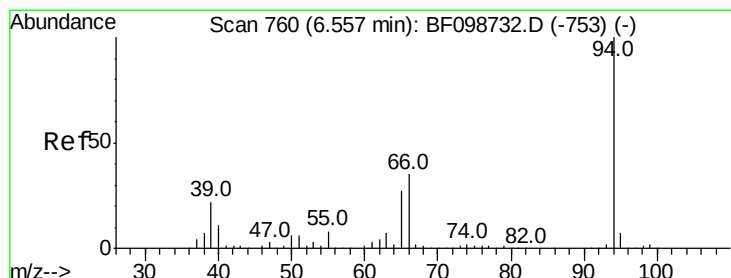
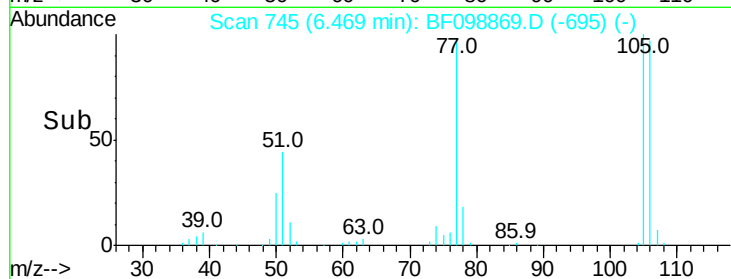
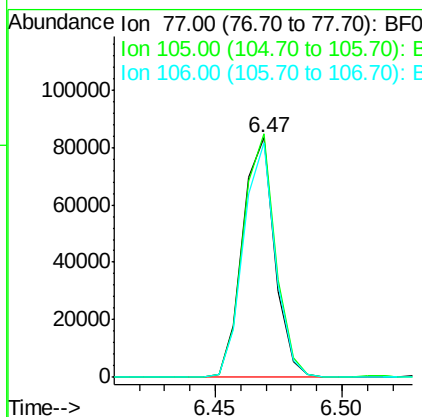
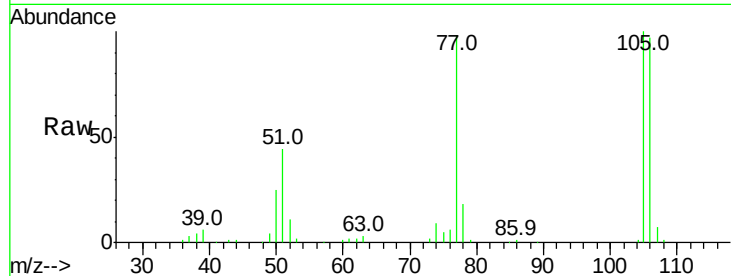
#9
Benzaldehyde
Concen: 11.918 ng
RT: 6.47 min Scan# 745
Delta R.T. -0.00 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Instrument :
BNA_F
ClientSampleID :
JC-DRUMMSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	101.6	81.1	121.1
106	98.1	74.5	114.5

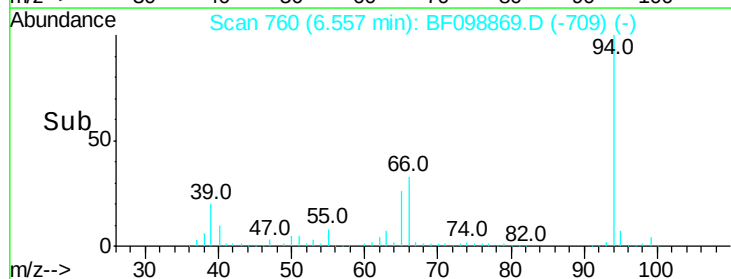
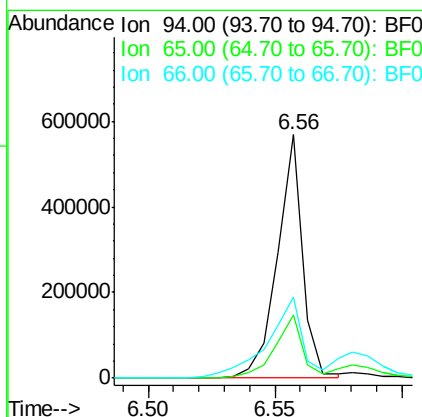
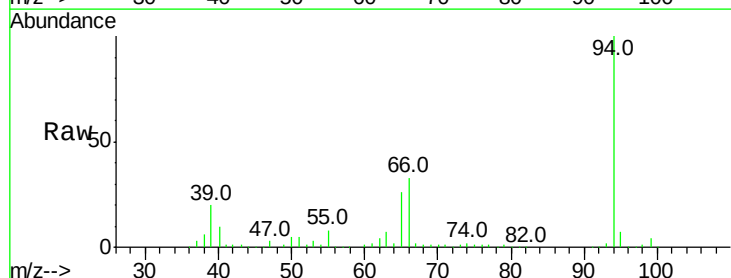
Manual Integrations
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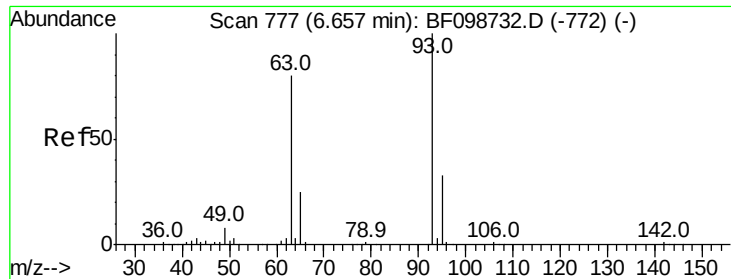
Sohil
9/28/2017 2:32:17 PM



#10
Phenol
Concen: 33.327 ng
RT: 6.56 min Scan# 760
Delta R.T. 0.00 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Tgt Ion	Ratio	Lower	Upper
94	100		
65	25.7	7.9	47.9
66	33.3	16.2	56.2





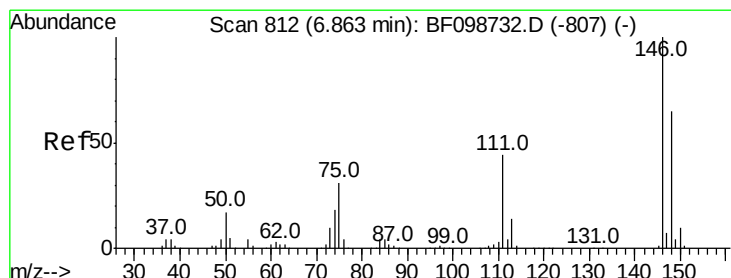
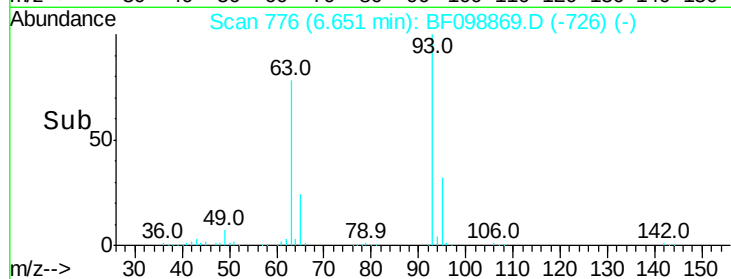
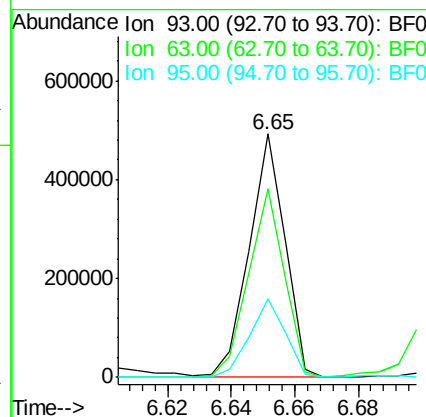
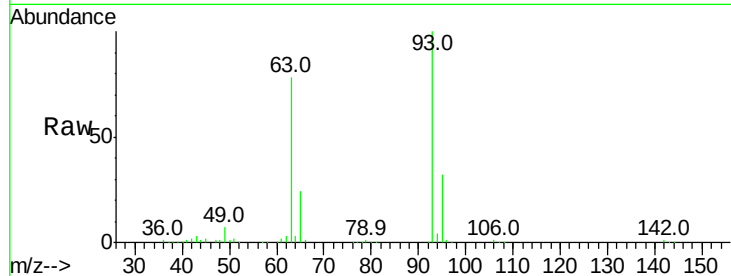
#11
bis(2-Chloroethyl)ether
Concen: 41.438 ng
RT: 6.65 min Scan# 776
Delta R.T. -0.01 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Instrument :
BNA_F
ClientSampleId :
JC-DRUMMSD

Tot Ion:	93	Resp:	383641
Ion Ratio	Lower	Upper	
93	100		
63	77.6	58.6	98.6
95	32.5	11.8	51.8

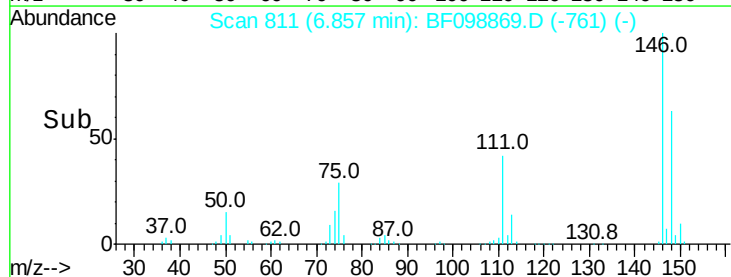
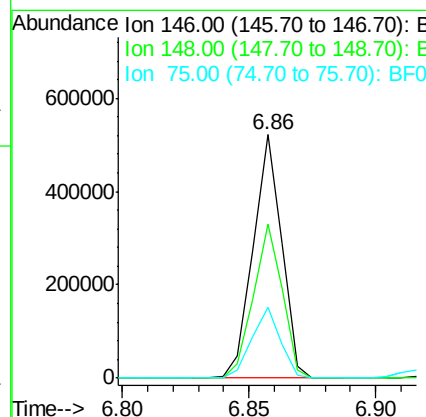
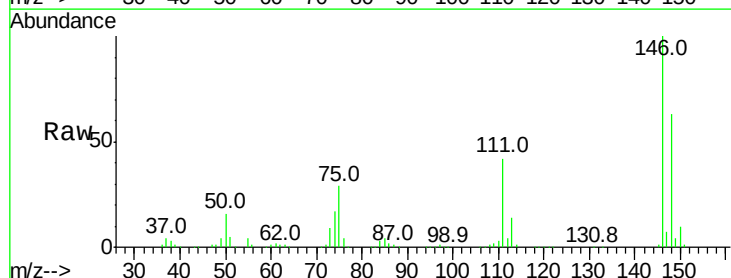
Manual Integrations
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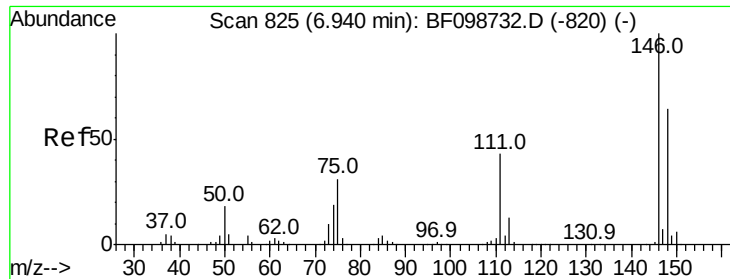
Sohil
9/28/2017 2:32:17 PM



#12
1,3-Dichlorobenzene
Concen: 39.943 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Tgt Ion:	146	Resp:	408919
Ion Ratio	Lower	Upper	
146	100		
148	63.3	51.8	77.8
75	29.0	24.2	36.4





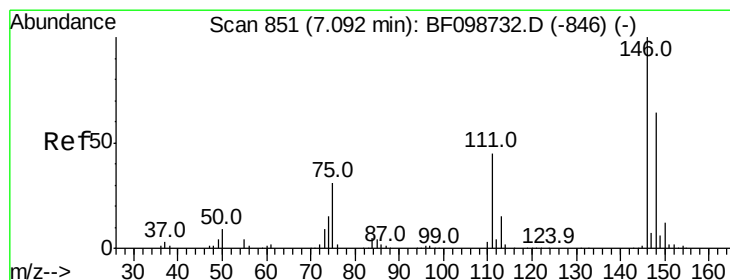
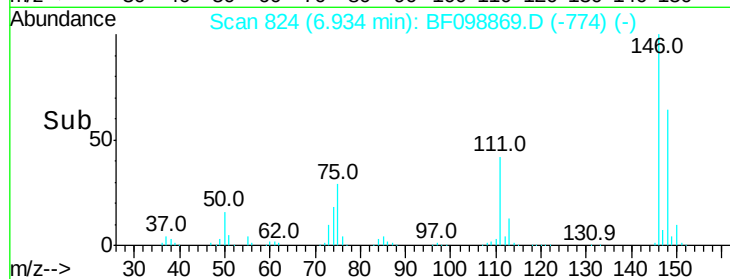
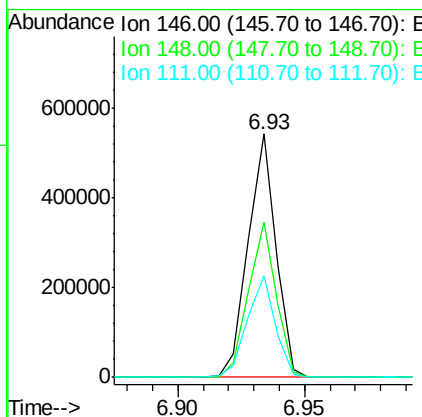
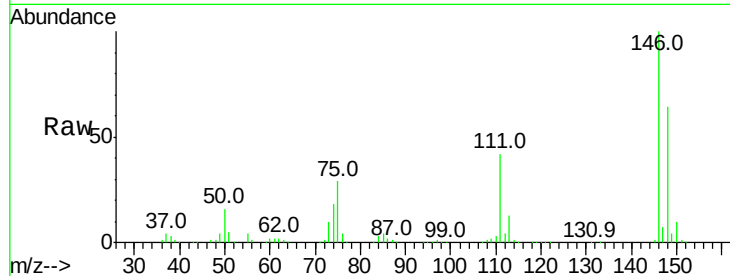
#13
 1,4-Dichlorobenzene
 Concen: 39.724 ng
 RT: 6.93 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: BF098869.D
 Acq: 27 Sep 2017 18:13

Instrument :
 BNA_F
 ClientSampleId :
 JC-DRUMMSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.8	76.2
111	41.9	34.2	51.2

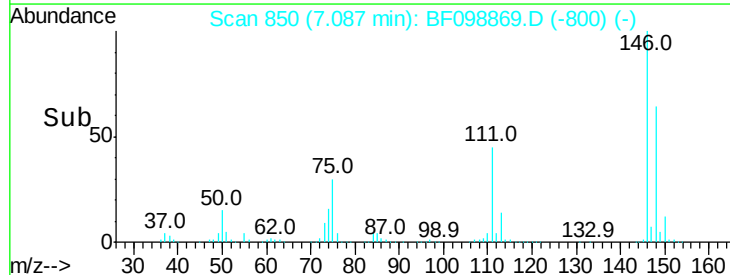
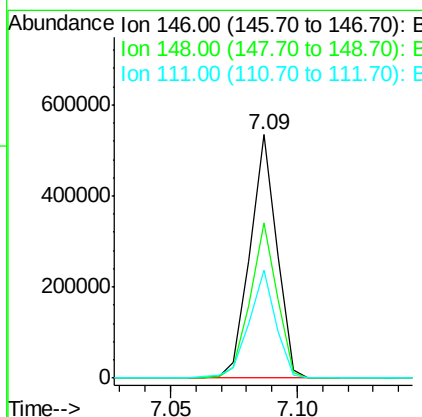
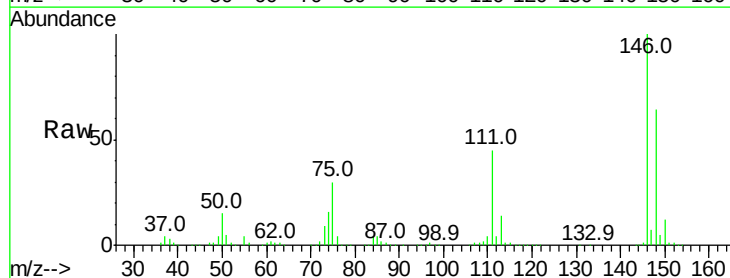
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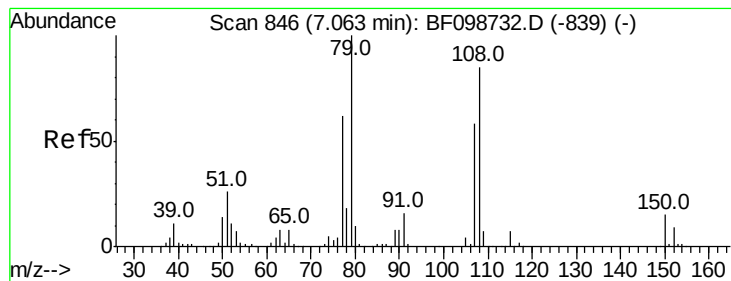
Sohil
 9/28/2017 2:32:17 PM



#14
 1,2-Dichlorobenzene
 Concen: 40.762 ng
 RT: 7.09 min Scan# 850
 Delta R.T. -0.01 min
 Lab File: BF098869.D
 Acq: 27 Sep 2017 18:13

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.6	75.8
111	44.5	36.0	54.0





#15

Benzyl Alcohol

Concen: 43.690 ng

RT: 7.06 min Scan# 845

Delta R.T. -0.01 min

Lab File: BF098869.D

Acq: 27 Sep 2017 18:13

Instrument :

BNA_F

ClientSampleId :

JC-DRUMMSD

Tot Ion: 79 Resp: 341299

Ion Ratio Lower Upper

79 100

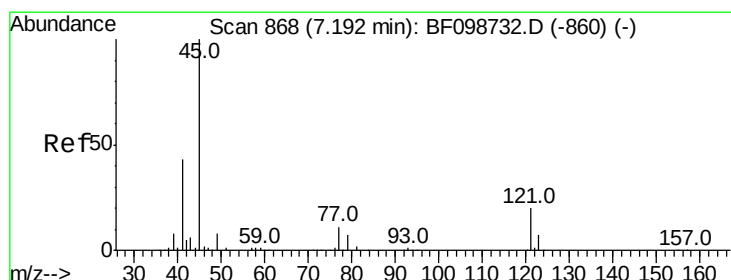
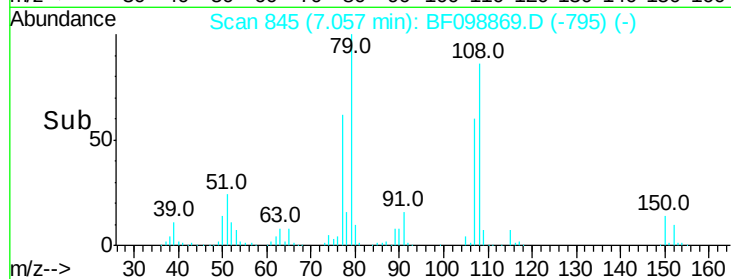
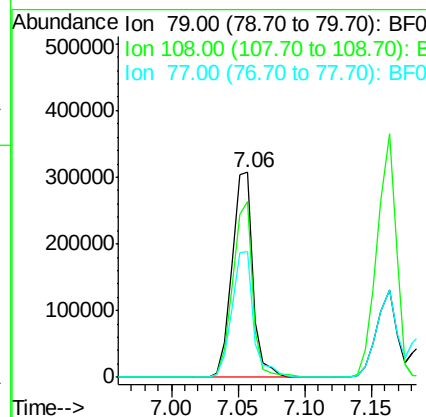
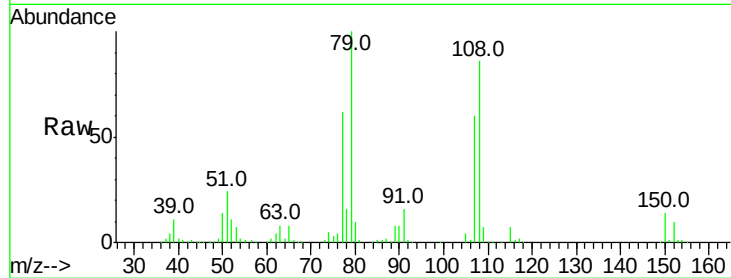
108 86.0 65.1 97.7

77 61.7 50.6 75.8

Manual Integrations
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Sohil

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#16

2,2'-oxybis(1-chloropropane)

Concen: 40.975 ng

RT: 7.19 min Scan# 867

Delta R.T. -0.01 min

Lab File: BF098869.D

Acq: 27 Sep 2017 18:13

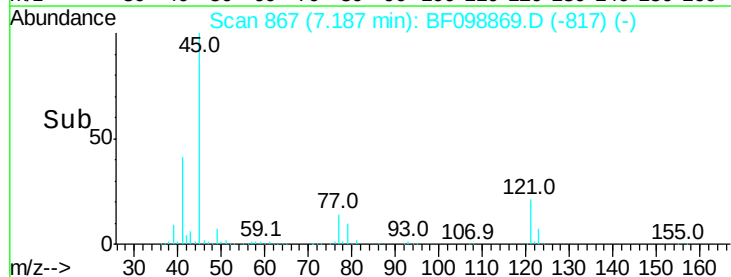
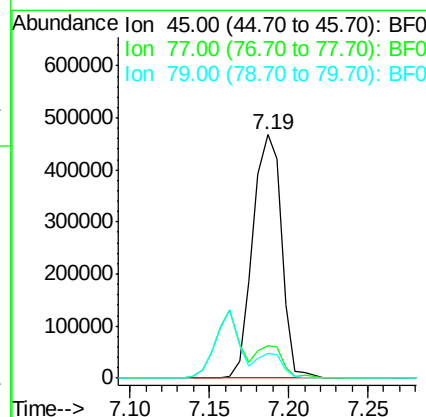
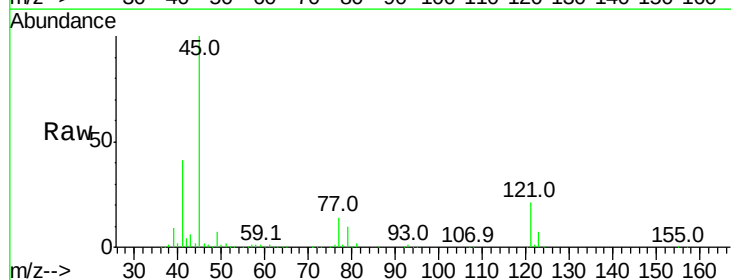
Tgt Ion: 45 Resp: 591032

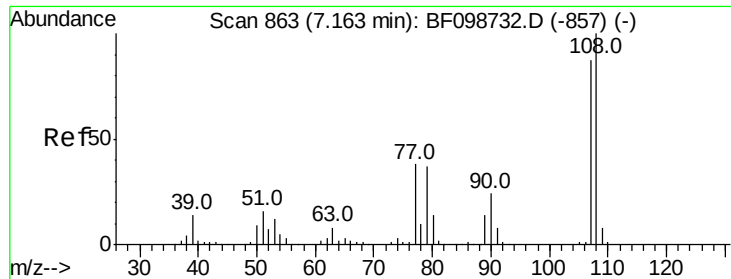
Ion Ratio Lower Upper

45 100

77 13.5 0.0 32.9

79 10.2 0.0 29.6





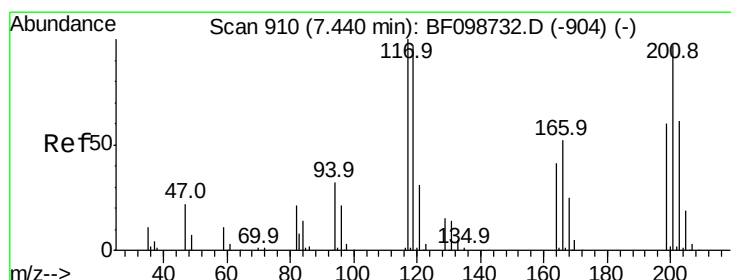
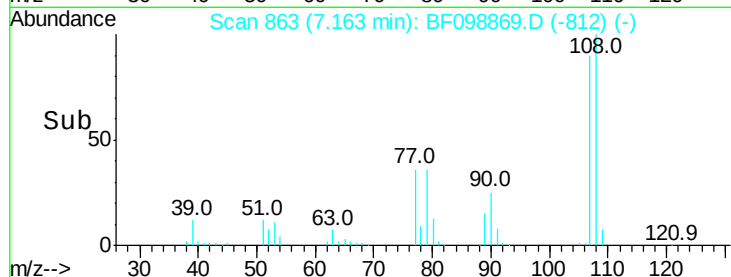
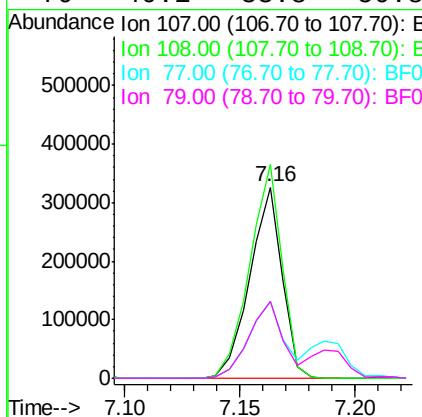
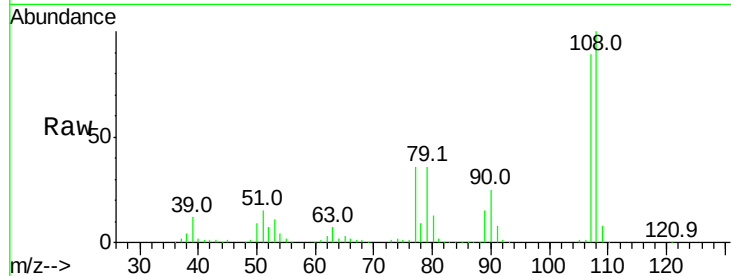
#17
2-Methylphenol
Concen: 39.801 ng
RT: 7.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Instrument :
BNA_F
ClientSampleId :
JC-DRUMMSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	111.8	91.7	137.5	
77	40.2	33.8	50.8	
79	40.1	33.8	50.8	

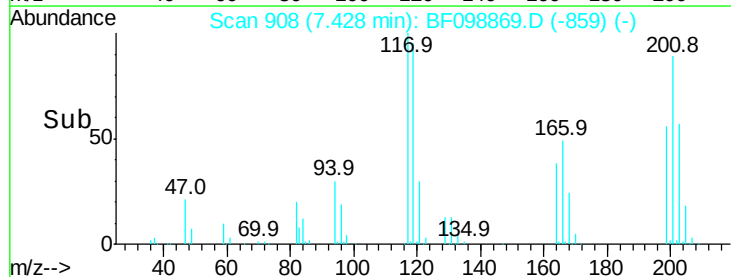
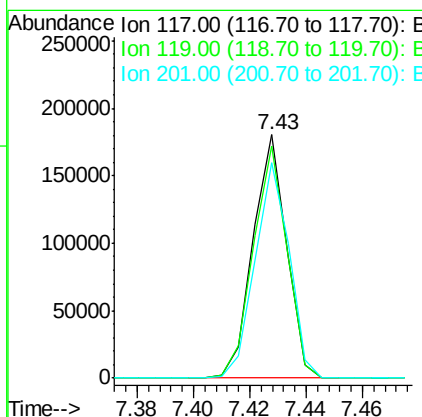
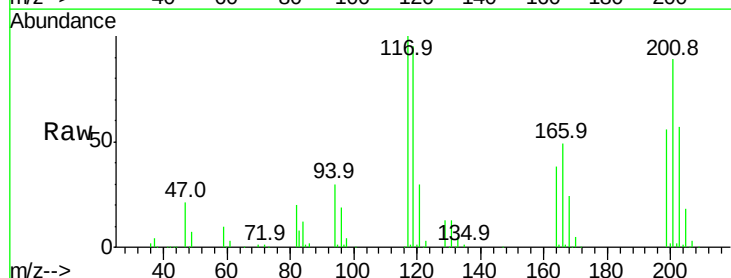
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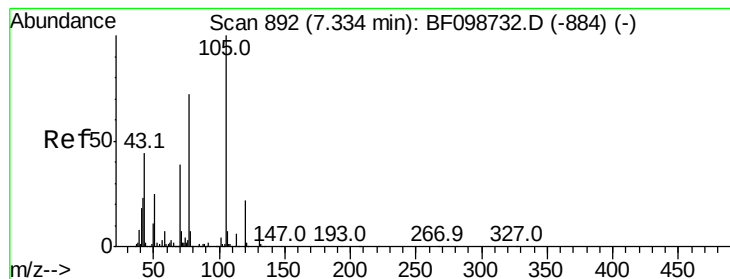
Sohil
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#18
Hexachloroethane
Concen: 39.519 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.2	75.8	113.8	
201	88.5	75.7	113.5	





#19

n-Nitroso-di-n-propylamine

Concen: 39.106 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.01 min

Lab File: BF098869.D

Acq: 27 Sep 2017 18:13

Instrument :

BNA_F

ClientSampleId :

JC-DRUMMSD

Tot Ion: 70 Resp: 265863

Ion Ratio Lower Upper

70 100

42 55.7 47.5 71.3

101 9.5 7.4 11.2

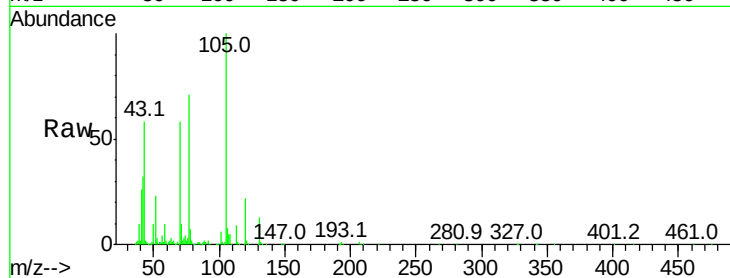
130 21.8 16.6 25.0

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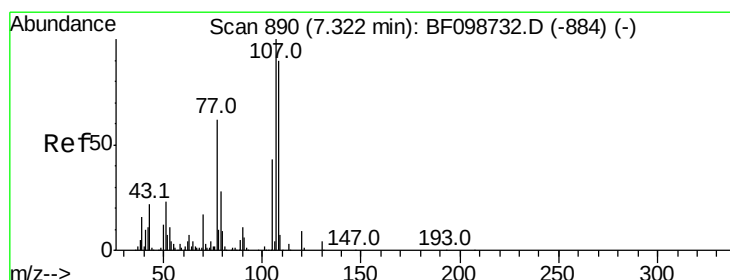
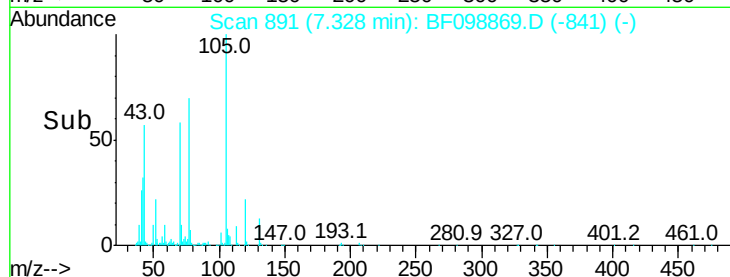
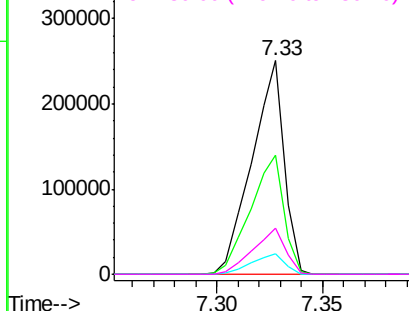
Abundance

Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#20

3+4-Methylphenols

Concen: 38.660 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF098869.D

Acq: 27 Sep 2017 18:13

Tgt Ion: 107 Resp: 391188

Ion Ratio Lower Upper

107 100

108 90.8 68.2 108.2

77 86.6 26.7 66.7#

79 27.4 6.3 46.3

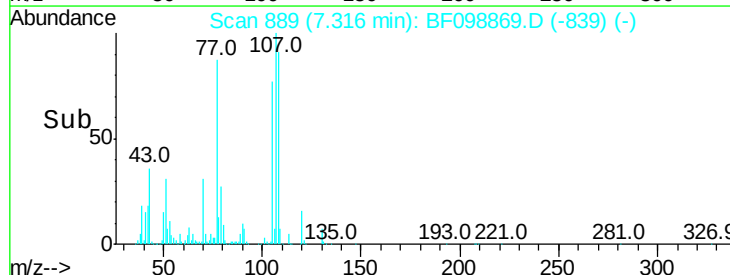
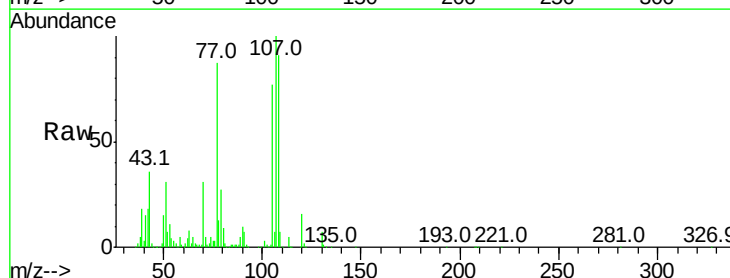
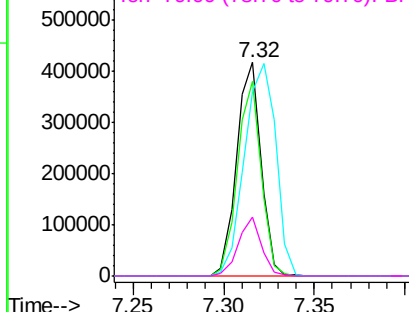
Abundance

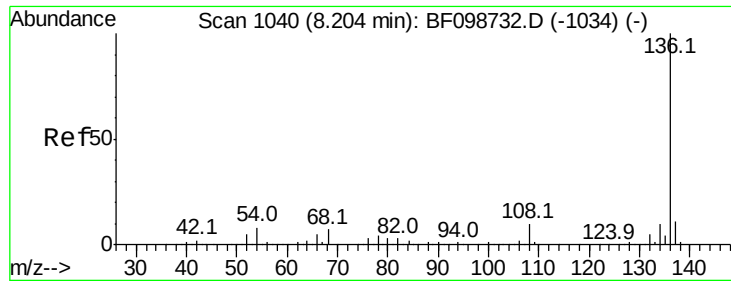
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





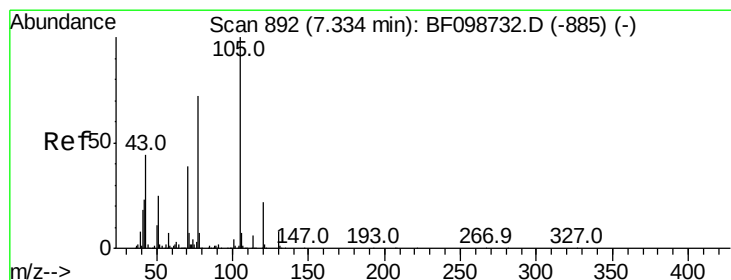
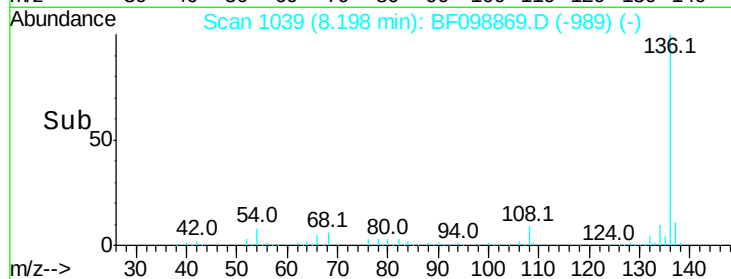
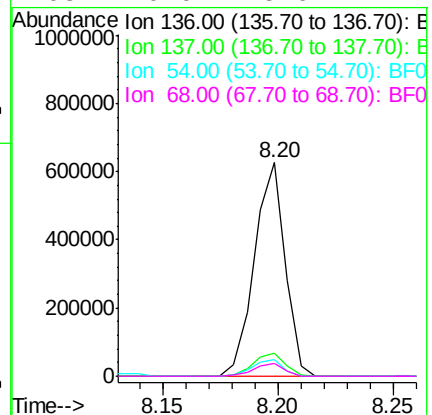
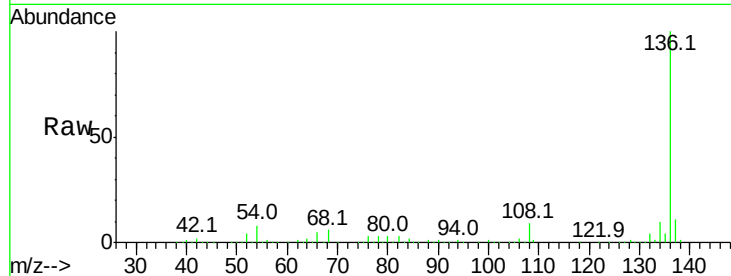
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Instrument :
BNA_F
ClientSampleId :
JC-DRUMMSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	582689		
137	10.8		8.9	13.3
54	7.8		6.6	9.8
68	6.0		5.0	7.4

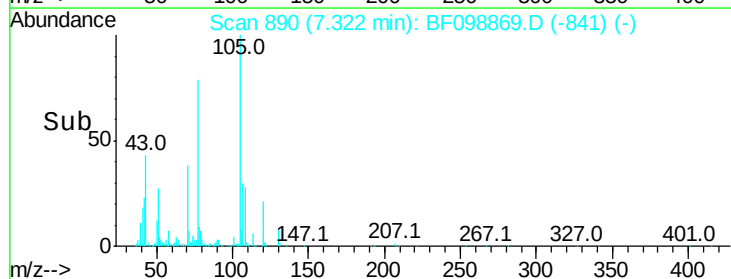
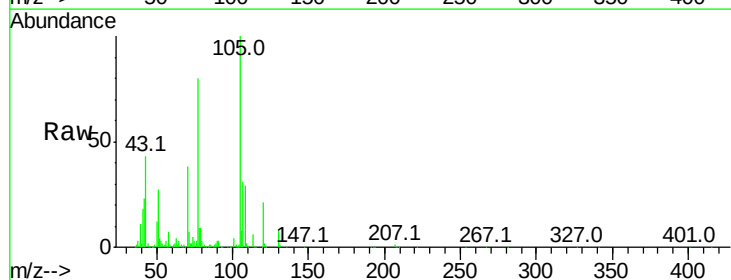
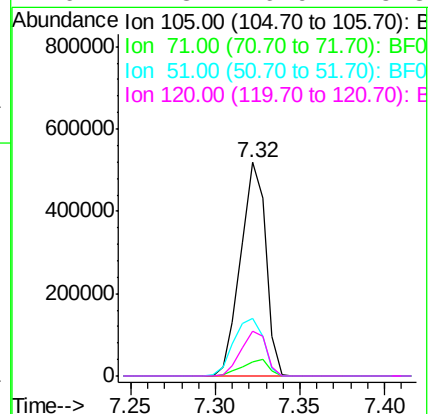
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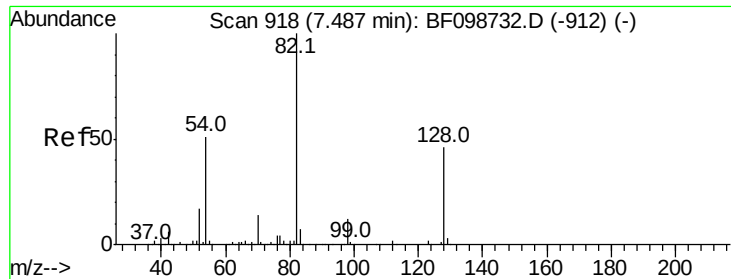
Sohil
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#22
Acetophenone
Concen: 38.302 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	540734		
71	6.6		4.4	6.6#
51	27.2		22.3	33.5
120	21.3		16.9	25.3





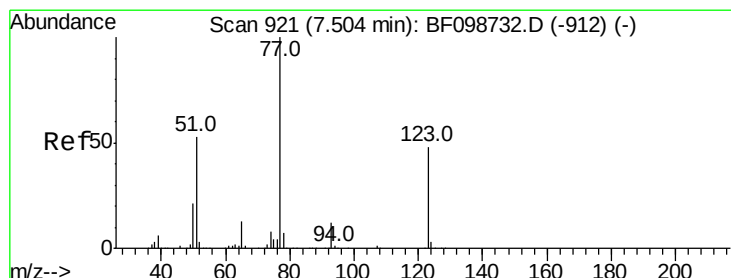
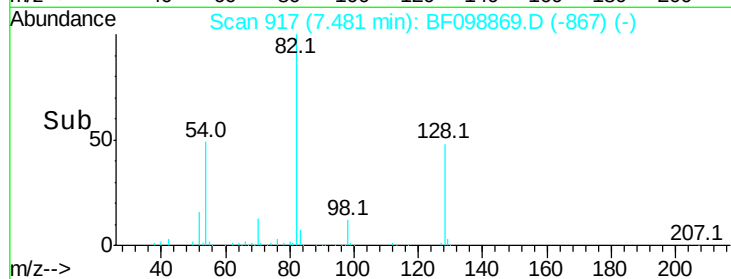
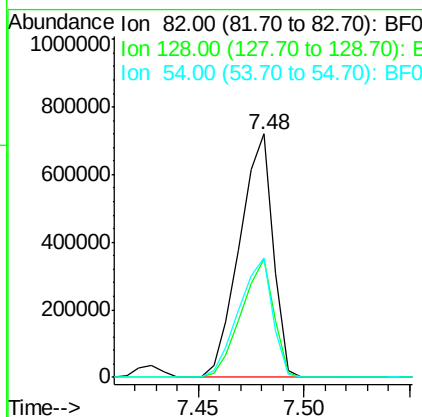
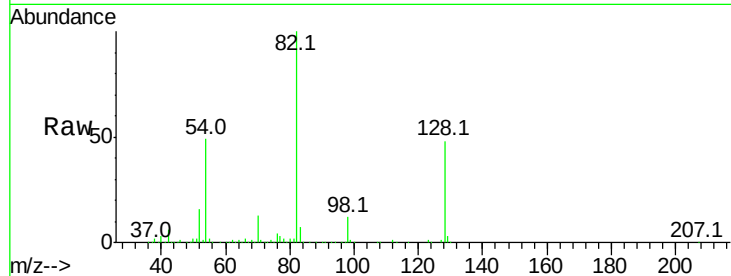
#23
 Nitrobenzene-d5
 Concen: 87.004 ng
 RT: 7.48 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: BF098869.D
 Acq: 27 Sep 2017 18:13

Instrument :
 BNA_F
 ClientSampleId :
 JC-DRUMMSD

Tot Ion:	82	Resp:	790518
Ion Ratio	Lower	Upper	
82	100		
128	48.5	36.1	54.1
54	49.3	41.4	62.2

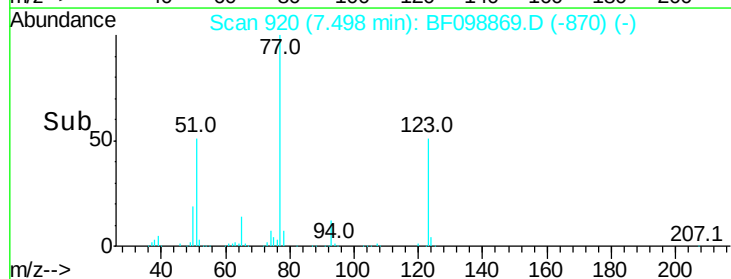
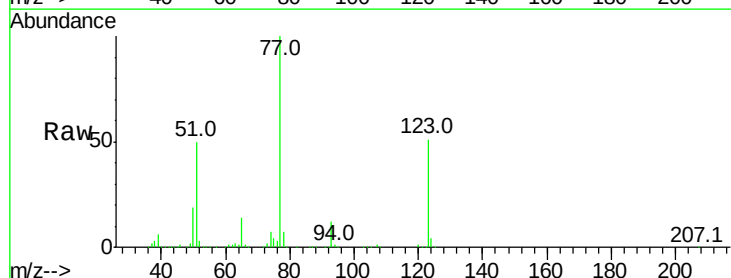
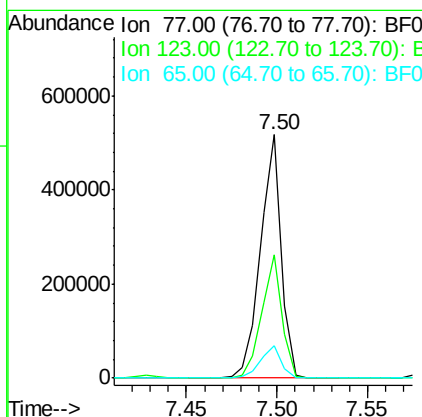
Manual Integrations
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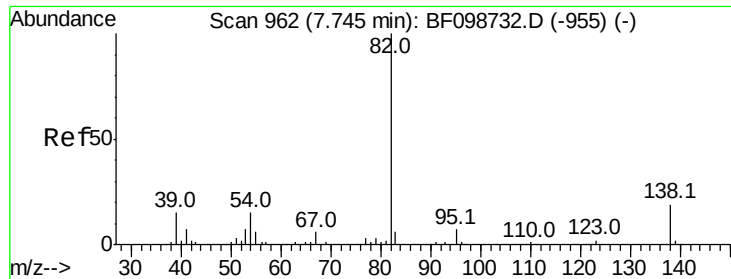
Sohil
 9/28/2017 2:32:17 PM



#24
 Nitrobenzene
 Concen: 40.064 ng
 RT: 7.50 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: BF098869.D
 Acq: 27 Sep 2017 18:13

Tgt Ion:	77	Resp:	412937
Ion Ratio	Lower	Upper	
77	100		
123	50.9	37.9	56.9
65	13.5	11.0	16.4





#25

Isophorone

Concen: 40.275 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF098869.D

Acq: 27 Sep 2017 18:13

Instrument :

BNA_F

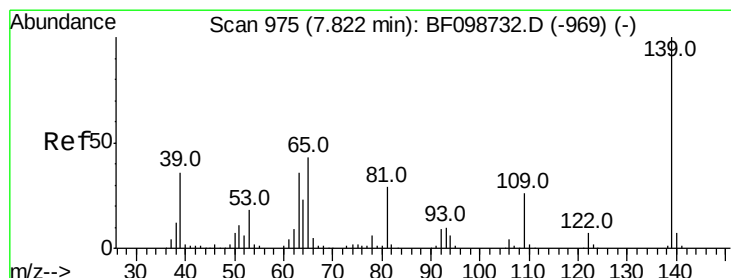
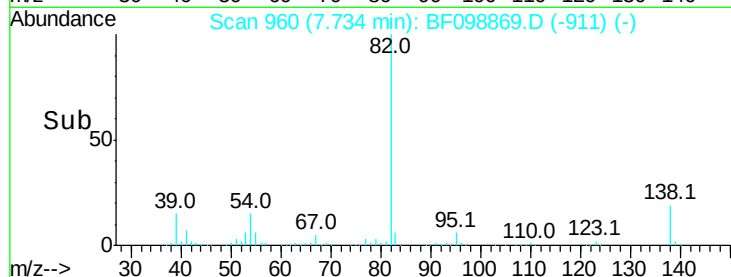
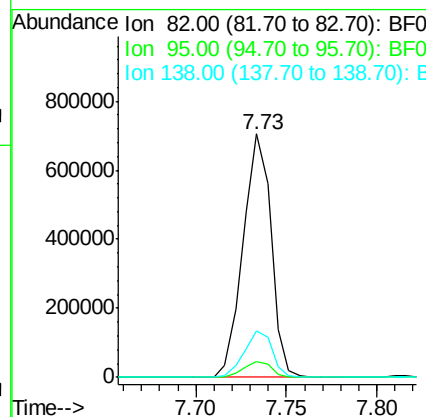
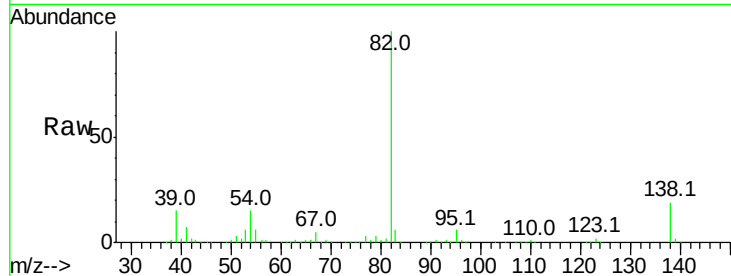
ClientSampleId :

JC-DRUMMSD

Tot Ion:	82	Resp:	756589
Ion Ratio	Lower	Upper	
82	100		
95	6.4	5.2	7.8
138	19.0	14.9	22.3

Manual Integrations
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Sohil
9/28/2017 2:32:17 PM



#26

2-Nitrophenol

Concen: 43.080 ng

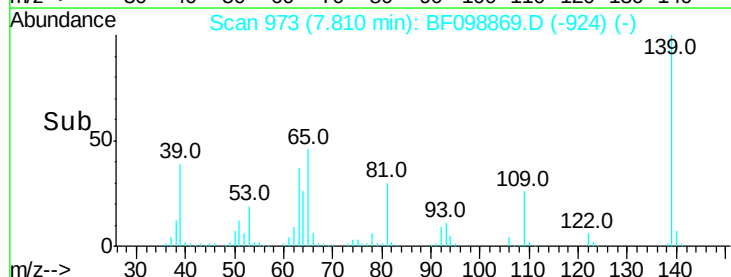
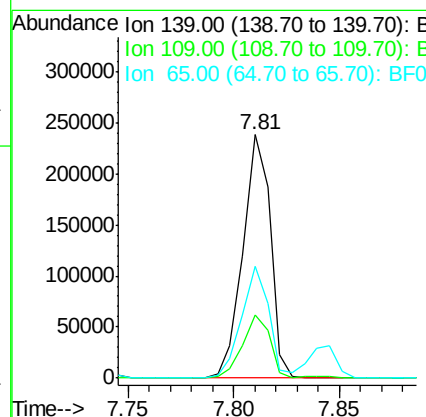
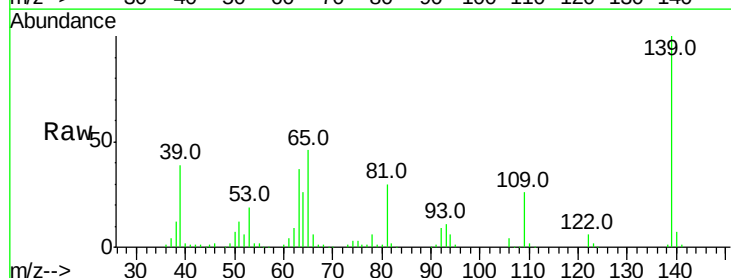
RT: 7.81 min Scan# 973

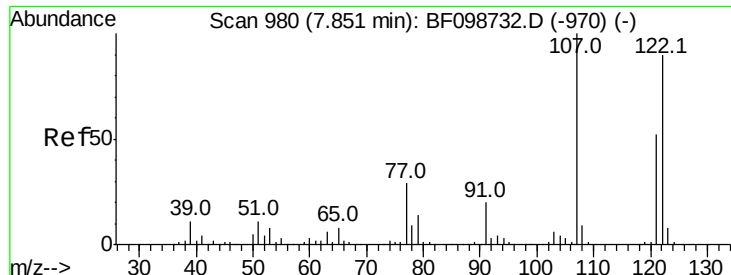
Delta R.T. -0.01 min

Lab File: BF098869.D

Acq: 27 Sep 2017 18:13

Tgt Ion:	139	Resp:	213522
Ion Ratio	Lower	Upper	
139	100		
109	25.9	22.7	34.1
65	45.7	40.5	60.7





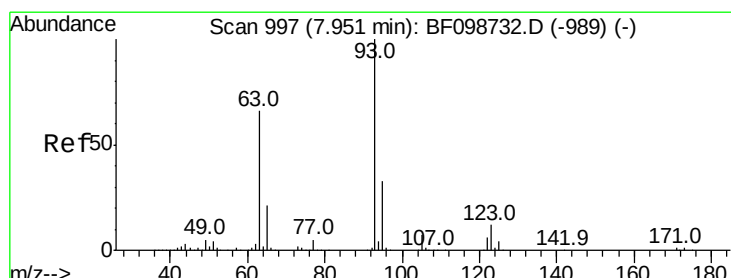
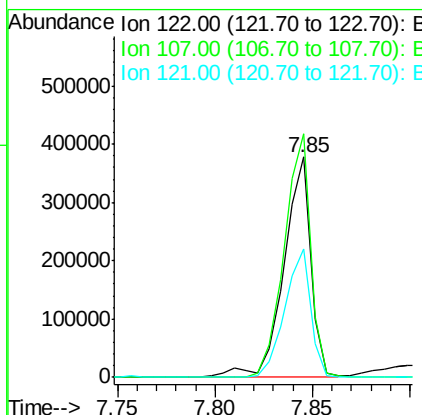
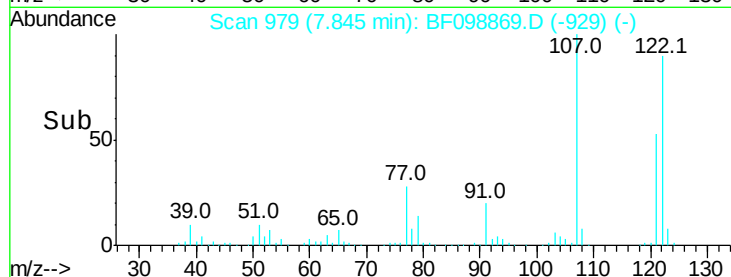
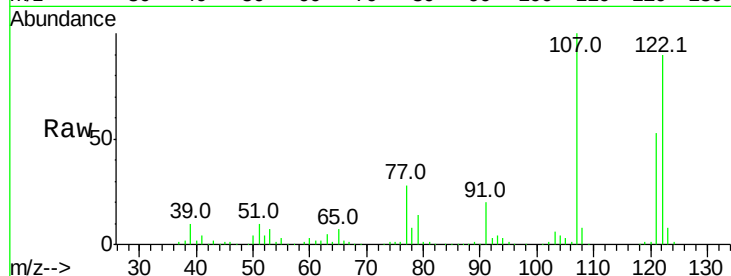
#27
 2,4-Dimethylphenol
 Concen: 38.600 ng
 RT: 7.85 min Scan# 979
 Delta R.T. -0.01 min
 Lab File: BF098869.D
 Acq: 27 Sep 2017 18:13

Instrument :
 BNA_F
 ClientSampleId :
 JC-DRUMMSD

Tot Ion:	122	Resp:	361307
Ion Ratio	Lower	Upper	
122	100		
107	110.6	91.2	136.8
121	58.4	47.2	70.8

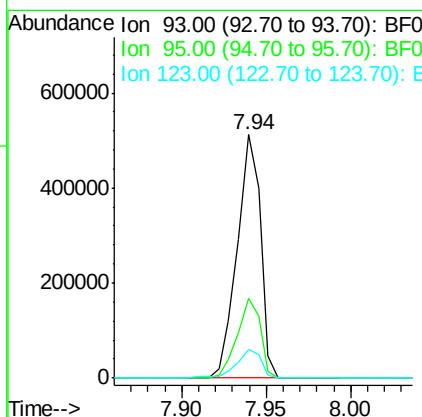
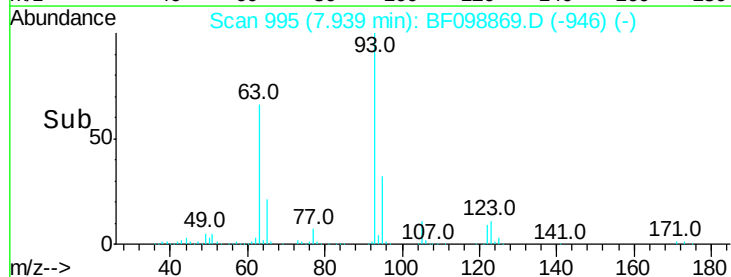
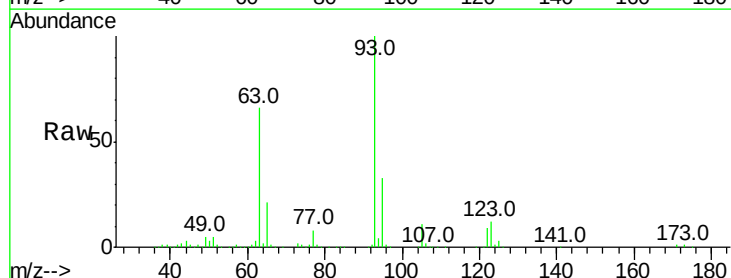
Manual Integrations
 APPROVED

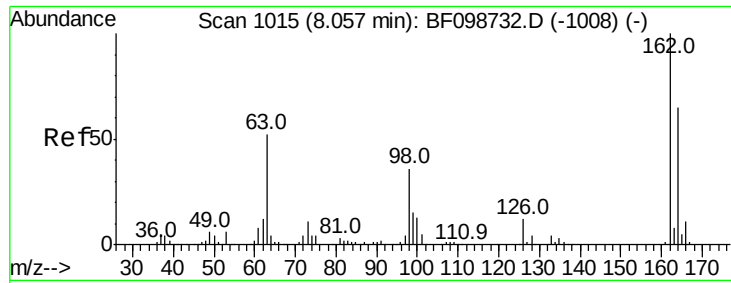
Sohil
 9/28/2017 2:32:17 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 42.034 ng
 RT: 7.94 min Scan# 995
 Delta R.T. -0.01 min
 Lab File: BF098869.D
 Acq: 27 Sep 2017 18:13

Tgt Ion:	93	Resp:	492079
Ion Ratio	Lower	Upper	
93	100		
95	32.6	26.3	39.5
123	11.6	9.8	14.6





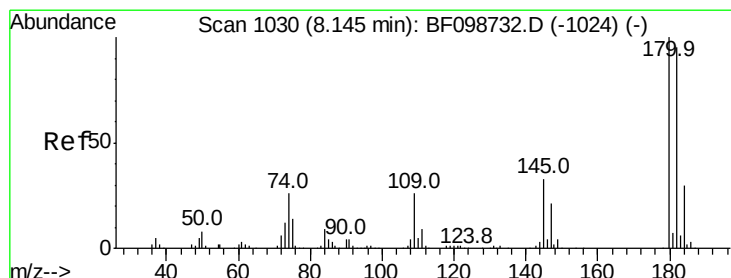
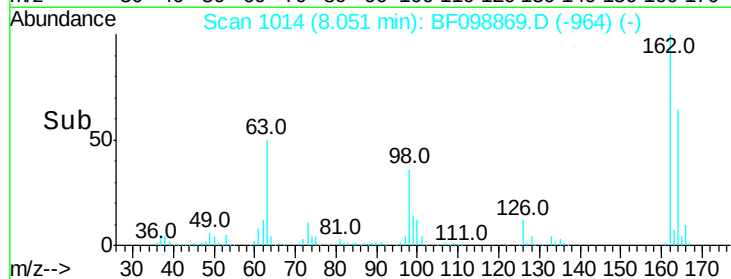
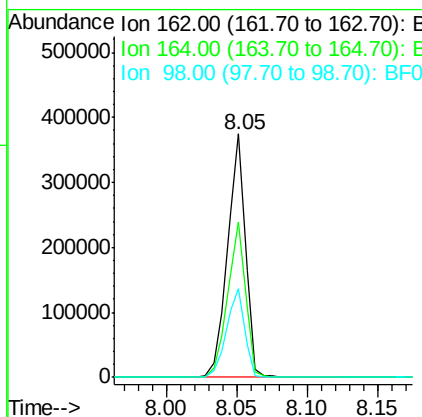
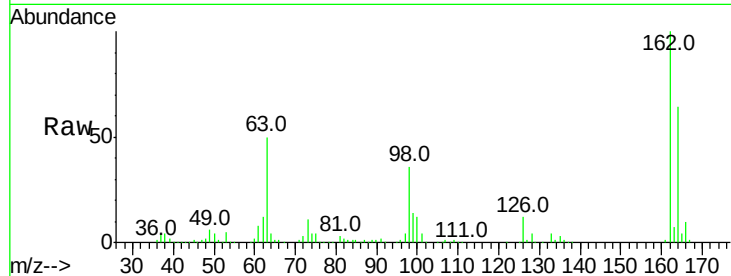
#29
 2,4-Dichlorophenol
 Concen: 41.290 ng
 RT: 8.05 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BF098869.D
 Acq: 27 Sep 2017 18:13

Instrument :
 BNA_F
 ClientSampleId :
 JC-DRUMMSD

Tot Ion:	162	Resp:	331821
Ion Ratio	Lower	Upper	
162	100		
164	63.6	42.7	82.7
98	36.2	18.1	58.1

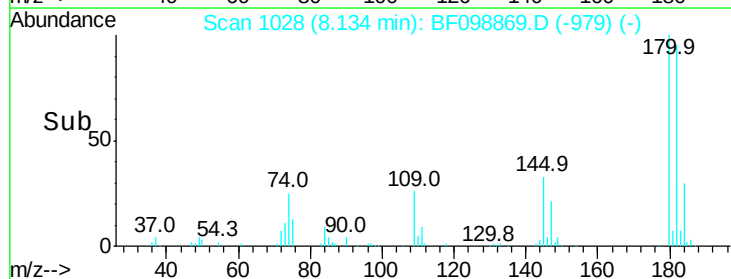
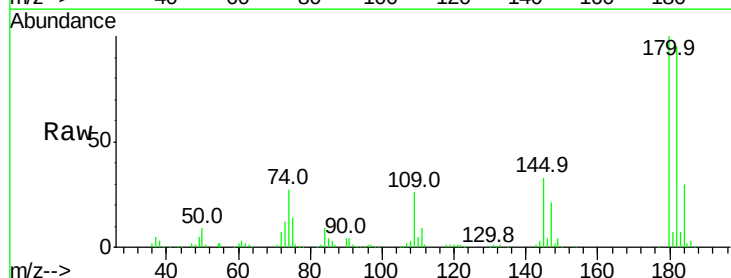
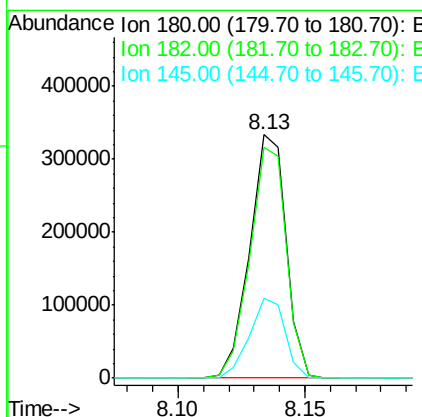
Manual Integrations
 APPROVED

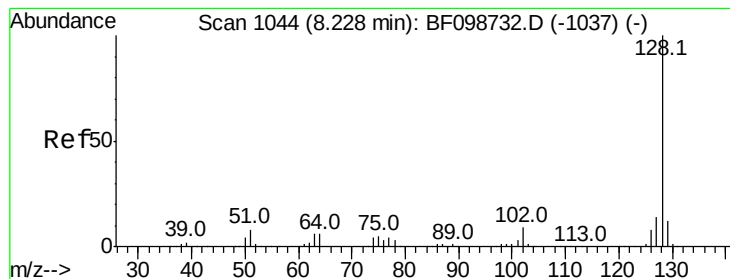
Sohil
 9/28/2017 2:32:17 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 41.291 ng
 RT: 8.13 min Scan# 1028
 Delta R.T. -0.01 min
 Lab File: BF098869.D
 Acq: 27 Sep 2017 18:13

Tgt Ion:	180	Resp:	331888
Ion Ratio	Lower	Upper	
180	100		
182	95.0	76.8	115.2
145	32.6	26.5	39.7





#31

Naphthalene

Concen: 41.476 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF098869.D

Acq: 27 Sep 2017 18:13

Instrument :

BNA_F

ClientSampleId :

JC-DRUMMSD

Tot Ion:128 Resp: 1135071

Ion Ratio Lower Upper

128 100

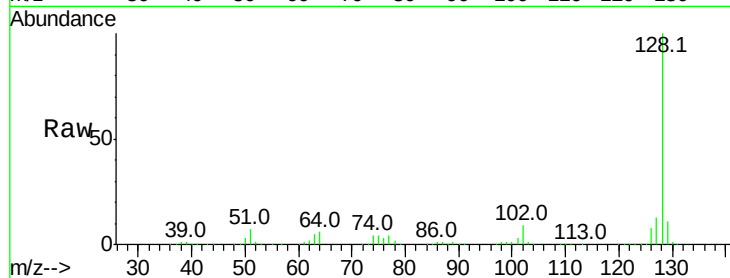
129 10.9 8.8 13.2

127 13.5 10.9 16.3

Manual Integrations
APPROVED

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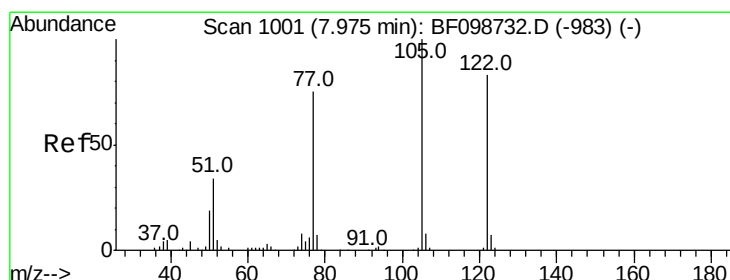
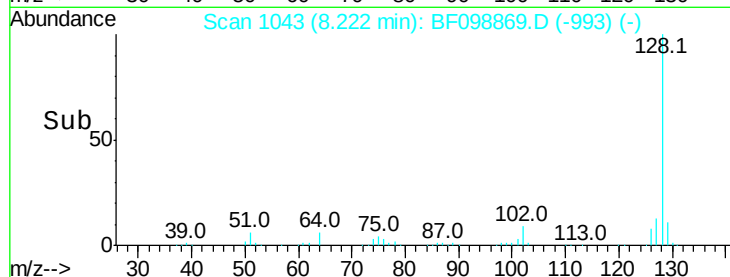
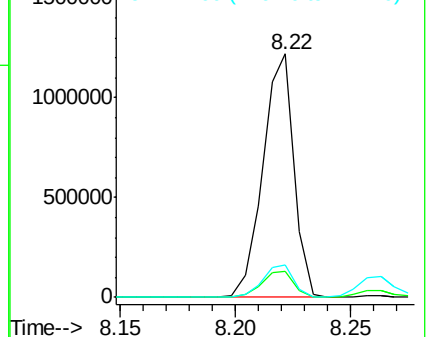
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 16.181 ng

RT: 7.94 min Scan# 995

Delta R.T. -0.04 min

Lab File: BF098869.D

Acq: 27 Sep 2017 18:13

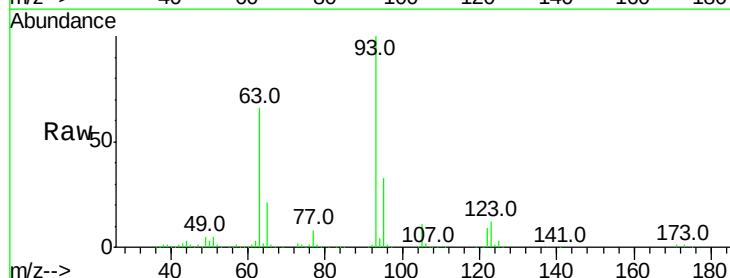
Tgt Ion:122 Resp: 124410

Ion Ratio Lower Upper

122 100

105 122.1 101.1 141.1

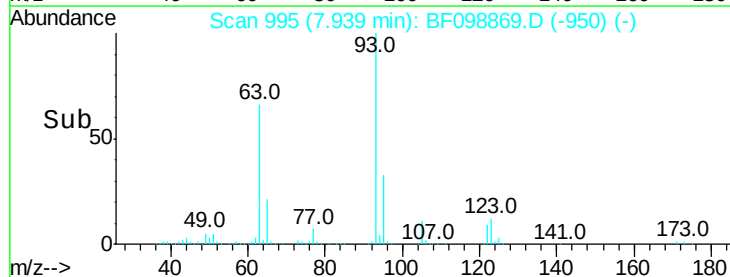
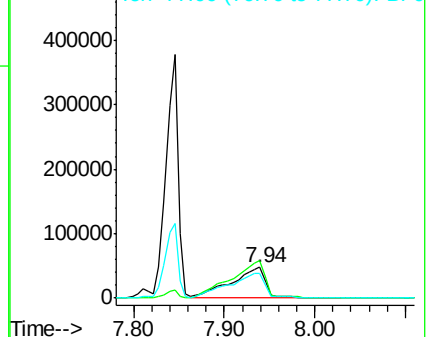
77 81.9 70.7 110.7

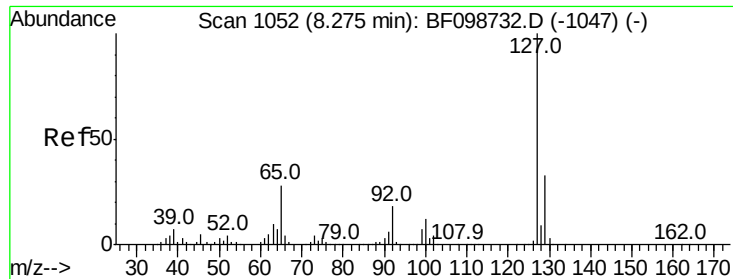


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





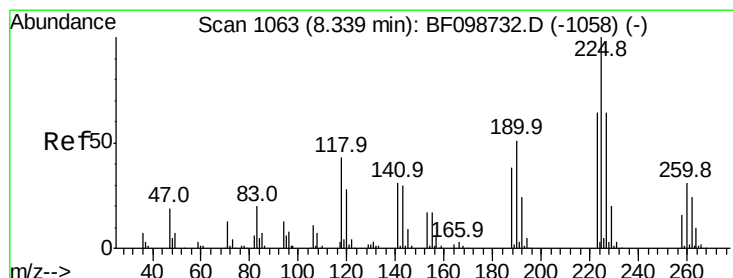
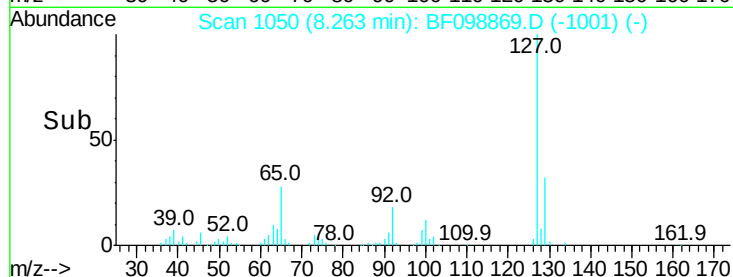
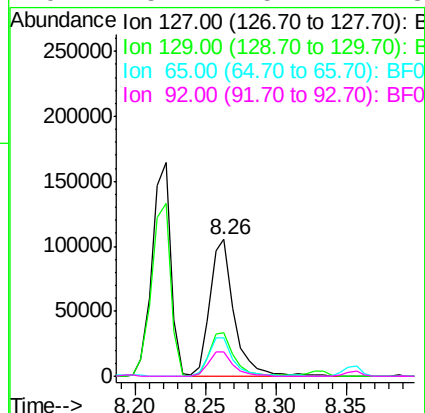
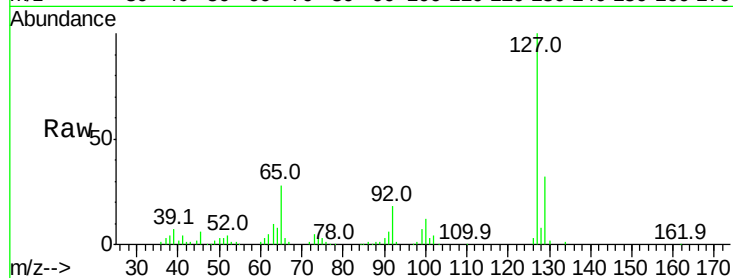
#33
 4-Chloroaniline
 Concen: 10.944 ng
 RT: 8.26 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: BF098869.D
 Acq: 27 Sep 2017 18:13

Instrument :
 BNA_F
 ClientSampleId :
 JC-DRUMMSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	31.8	25.9	38.9	
65	28.5	25.0	37.4	
92	18.1	15.2	22.8	

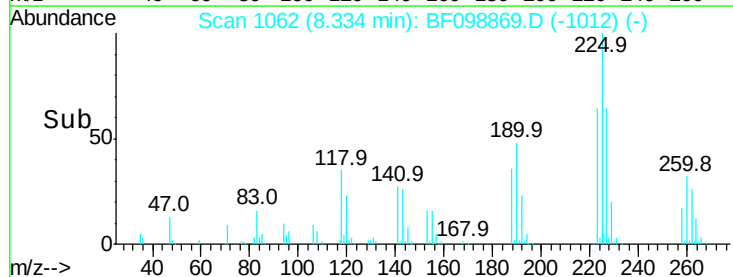
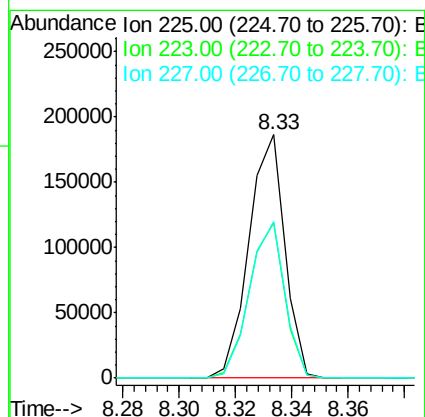
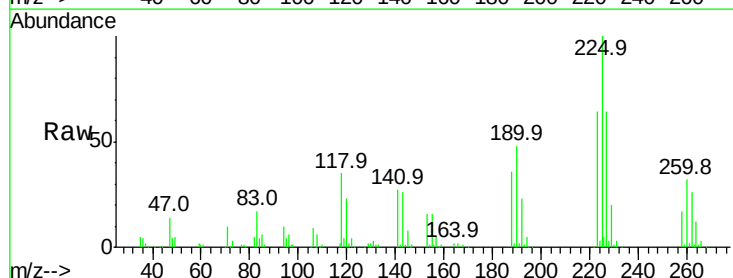
Manual Integrations
 APPROVED

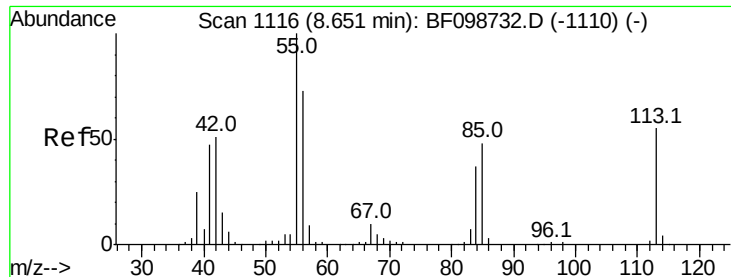
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#34
 Hexachlorobutadiene
 Concen: 39.808 ng
 RT: 8.33 min Scan# 1062
 Delta R.T. -0.01 min
 Lab File: BF098869.D
 Acq: 27 Sep 2017 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.7	50.6	76.0	
227	64.2	51.9	77.9	





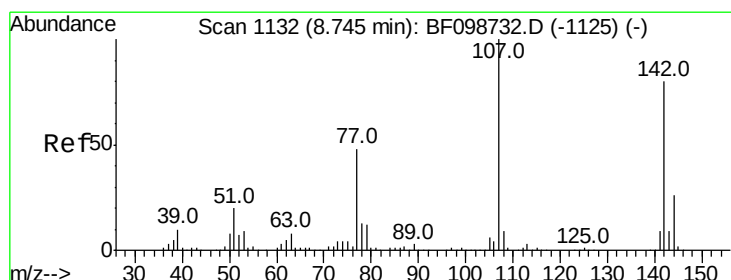
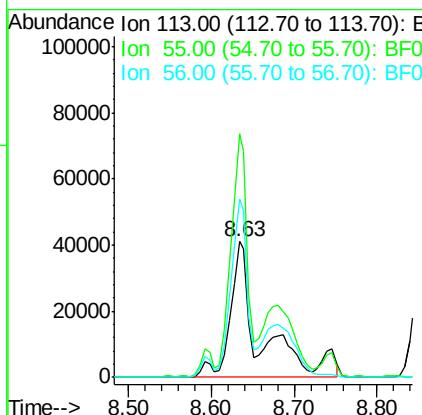
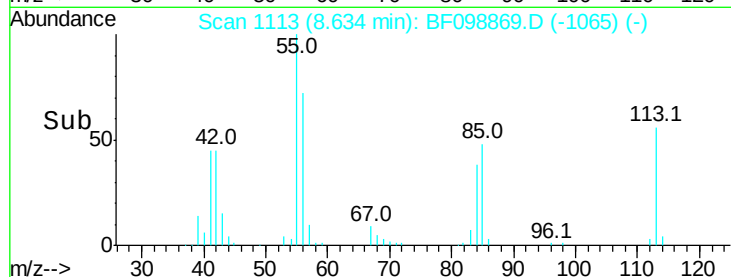
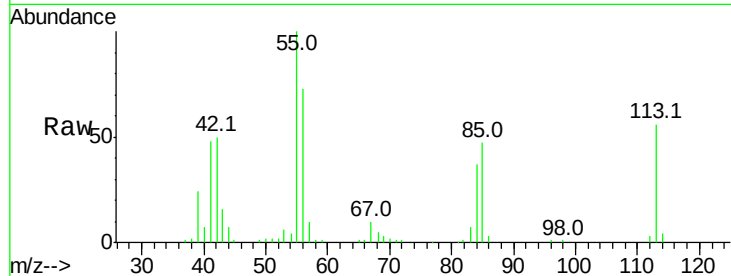
#35
 Caprolactam
 Concen: 39.867 ng/ml
 RT: 8.63 min Scan# 1113
 Delta R.T. -0.02 min
 Lab File: BF098869.D
 Acq: 27 Sep 2017 18:13

Instrument :
 BNA_F
 ClientSampleID :
 JC-DRUMMSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	179.2	163.3	203.3
56	131.3	115.7	155.7

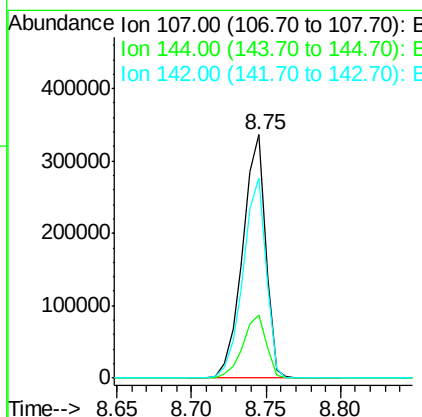
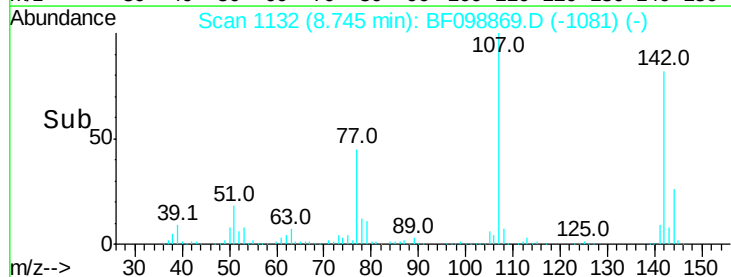
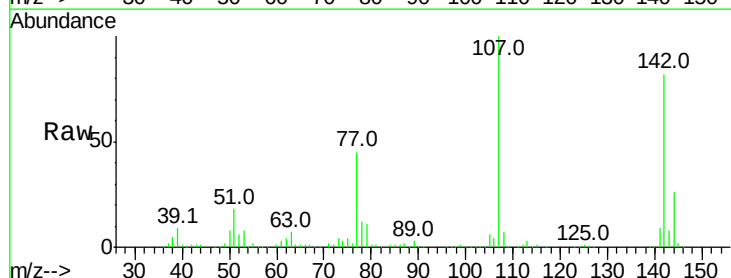
Manual Integrations
 APPROVED

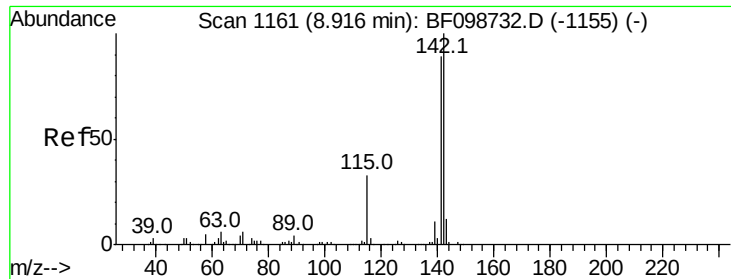
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#36
 4-Chloro-3-methylphenol
 Concen: 39.933 ng/ml
 RT: 8.75 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: BF098869.D
 Acq: 27 Sep 2017 18:13

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.9	20.5	30.7
142	81.9	62.0	93.0





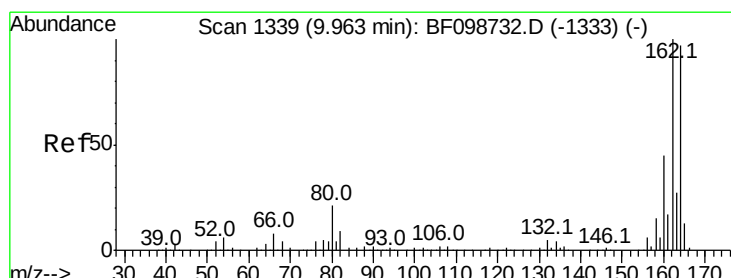
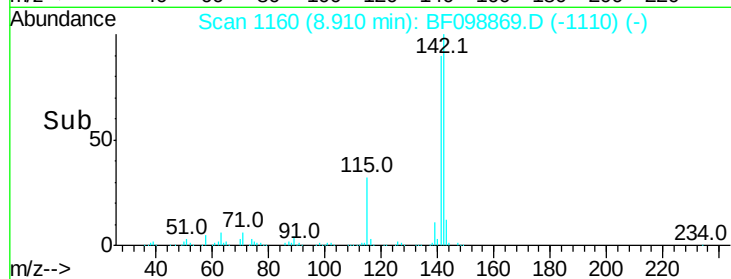
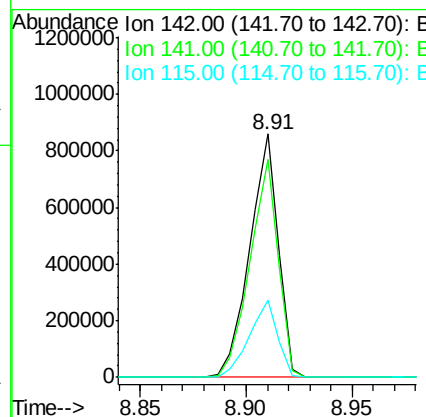
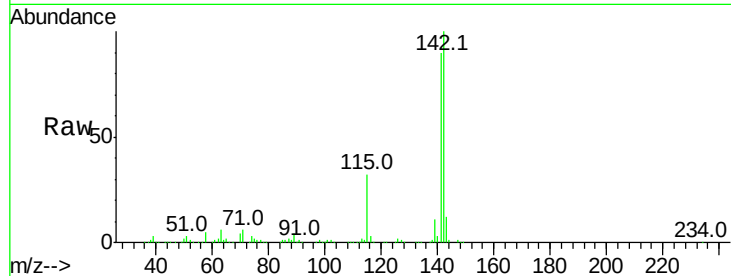
#37
2-Methylnaphthalene
Concen: 45.330 ng
RT: 8.91 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Instrument :
BNA_F
ClientSampleId :
JC-DRUMMSD

Tot Ion	Ratio	Resp	Lower	Upper
142	100	806449		
141	89.6		70.8	106.2
115	31.9		26.1	39.1

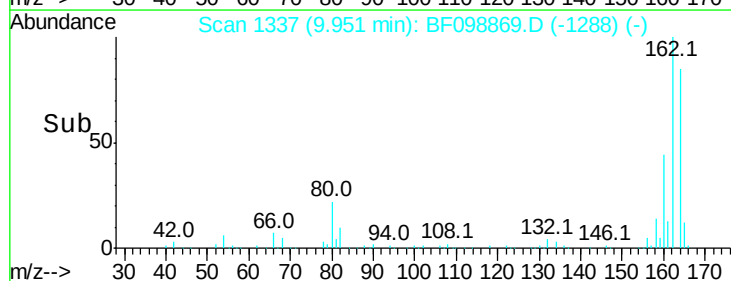
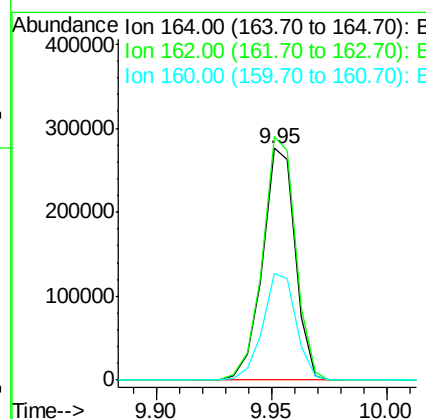
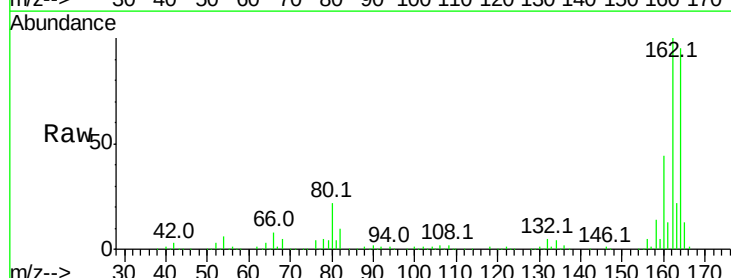
Manual Integrations
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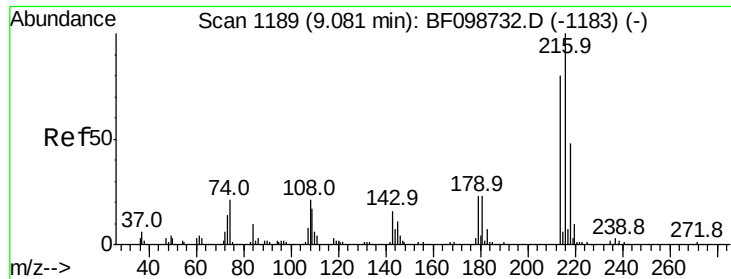
Sohil
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	273212		
162	105.1		86.1	129.1
160	45.8		38.3	57.5





#39

1,2,4,5-Tetrachlorobenzene

Concen: 37.388 ng

RT: 9.07 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BF098869.D

Acq: 27 Sep 2017 18:13

Instrument :

BNA_F

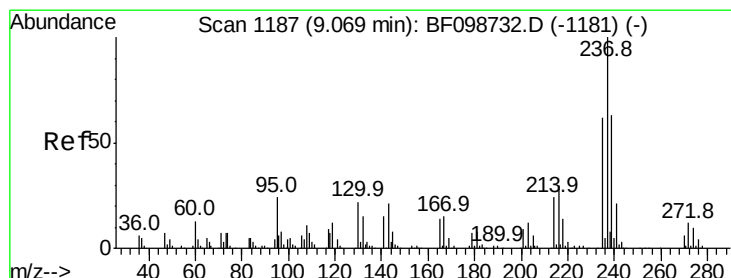
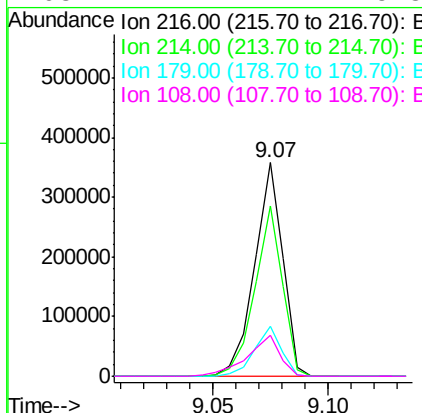
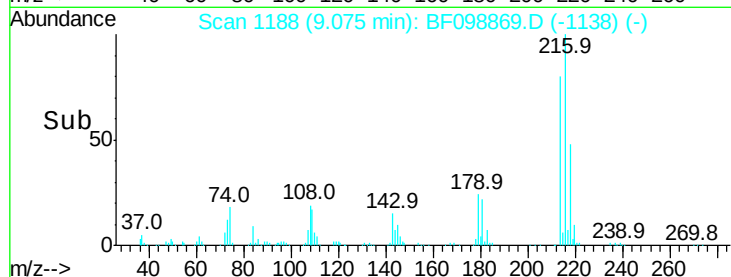
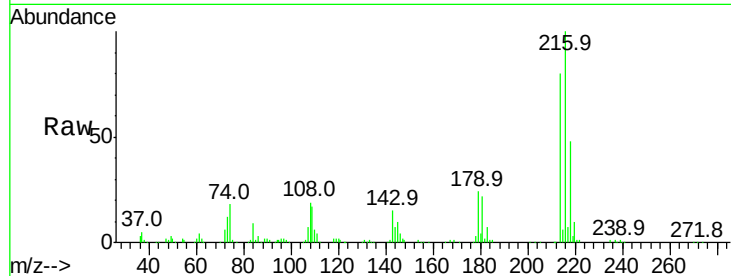
ClientSampleId :

JC-DRUMMSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100			
214	78.2	63.0	94.4	
179	22.6	18.1	27.1	
108	22.1	17.2	25.8	

Manual Integrations
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#40

Hexachlorocyclopentadiene

Concen: 77.767 ng

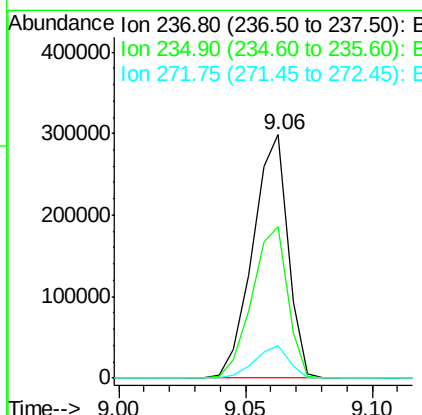
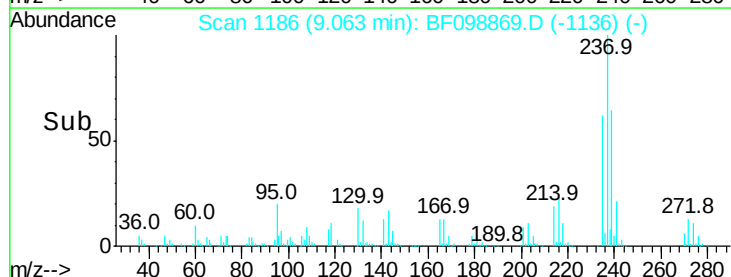
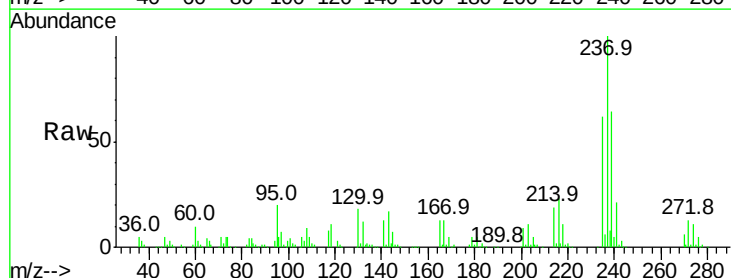
RT: 9.06 min Scan# 1186

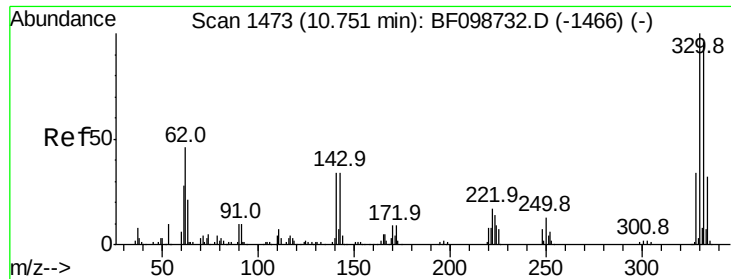
Delta R.T. -0.01 min

Lab File: BF098869.D

Acq: 27 Sep 2017 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
237	100			
235	62.4	44.8	84.8	
272	13.1	0.0	33.3	





#41

2,4,6-Tribromophenol

Concen: 130.535 ng

RT: 10.75 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BF098869.D

Acq: 27 Sep 2017 18:13

Instrument :

BNA_F

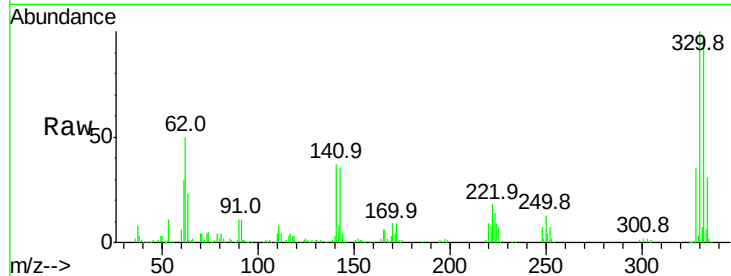
ClientSampleId :

JC-DRUMMSD

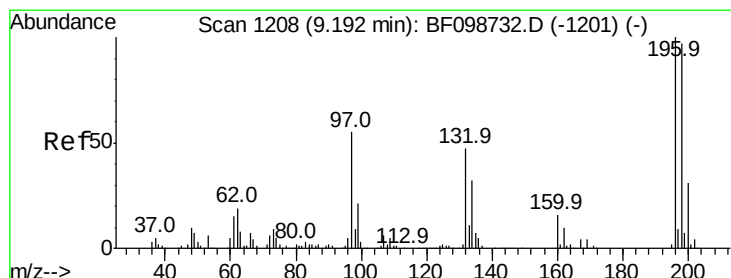
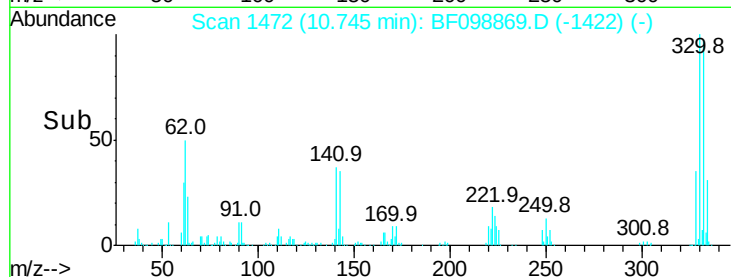
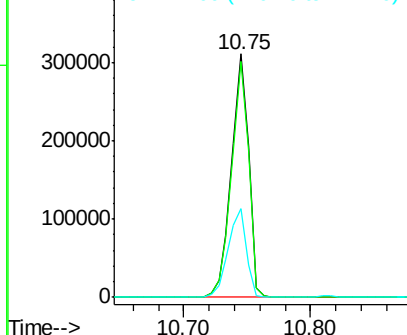
Tot Ion:	330	Resp:	291827
Ion Ratio	Lower	Upper	
330	100		
332	96.2	77.0	115.6
141	38.7	29.9	44.9

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#42

2,4,6-Trichlorophenol

Concen: 39.644 ng

RT: 9.19 min Scan# 1207

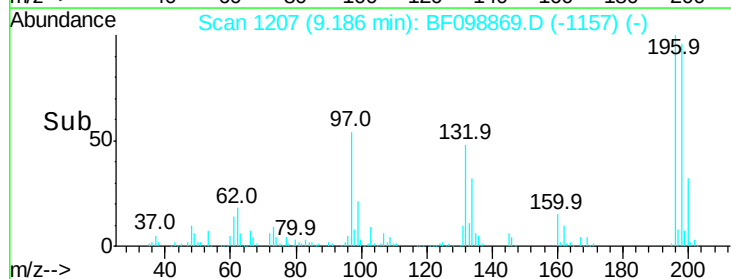
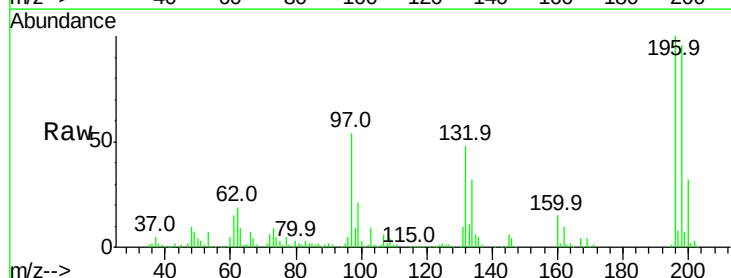
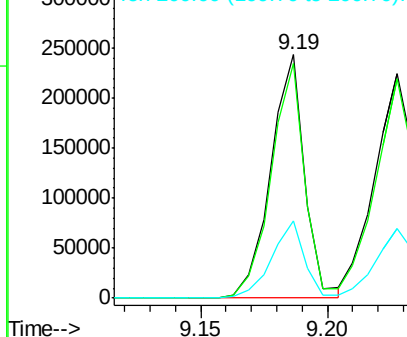
Delta R.T. -0.01 min

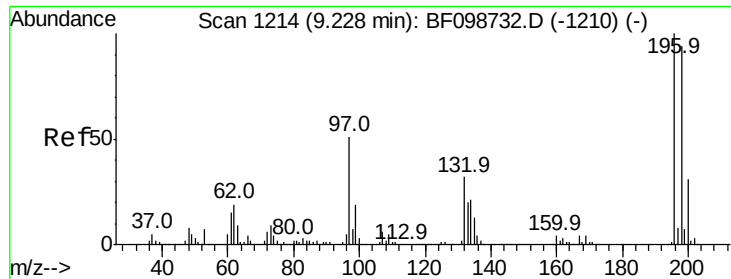
Lab File: BF098869.D

Acq: 27 Sep 2017 18:13

Tgt Ion:	196	Resp:	228835
Ion Ratio	Lower	Upper	
196	100		
198	96.5	75.7	113.5
200	31.8	24.5	36.7

Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 200.00 (199.70 to 200.70): E





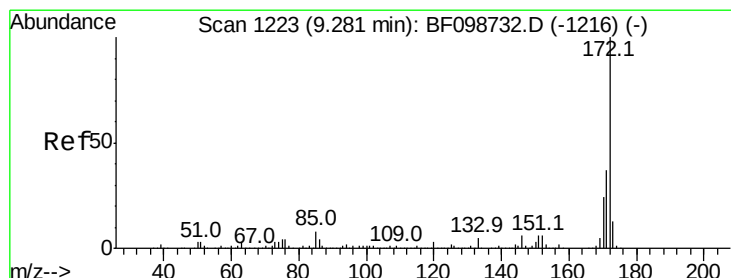
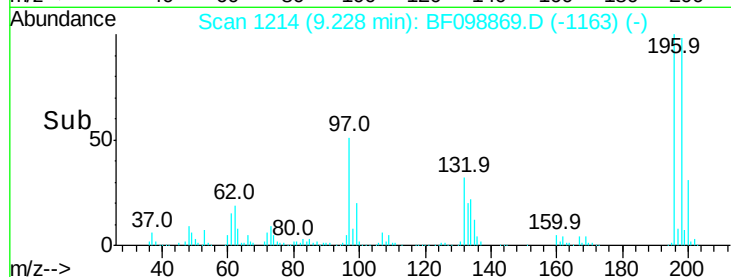
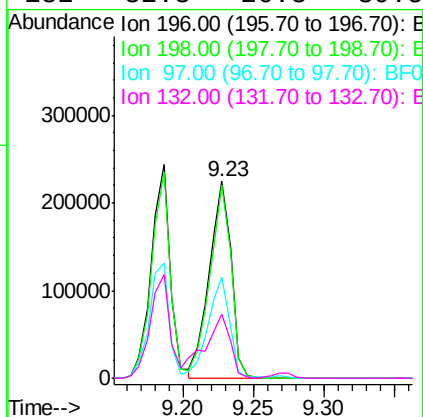
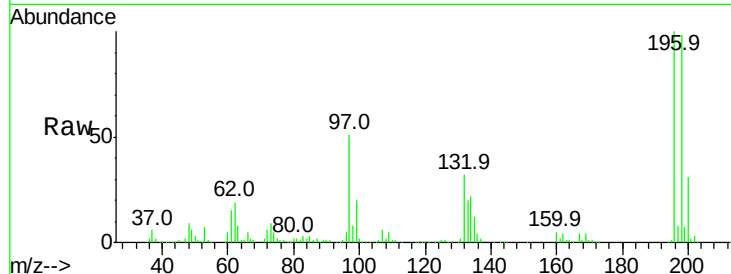
#43
 2,4,5-Trichlorophenol
 Concen: 42.088 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF098869.D
 Acq: 27 Sep 2017 18:13

Instrument :
 BNA_F
 ClientSampleId :
 JC-DRUMMSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	242521		
198	98.1	74.6	112.0	
97	51.4	42.9	64.3	
132	32.3	26.3	39.5	

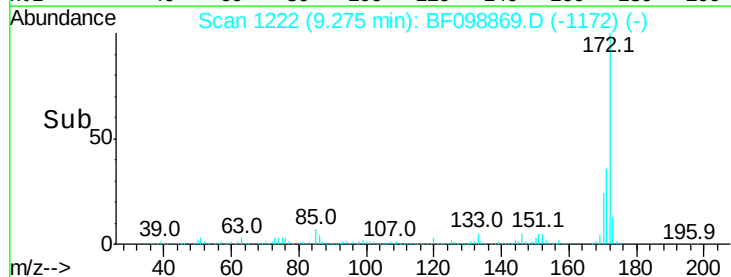
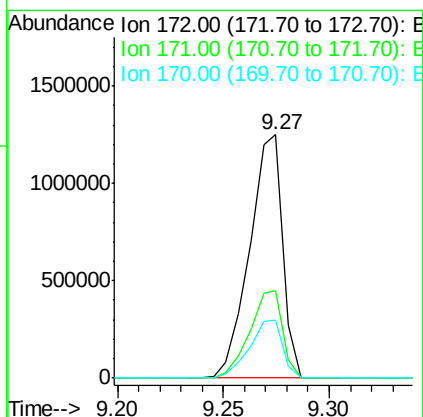
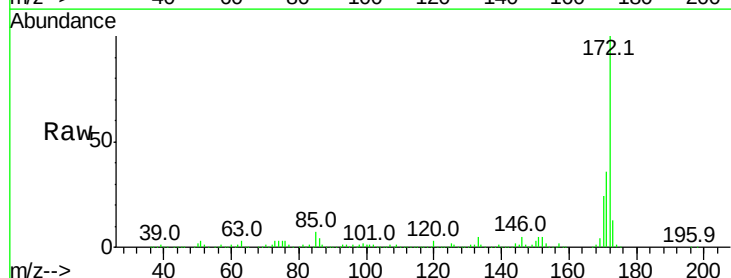
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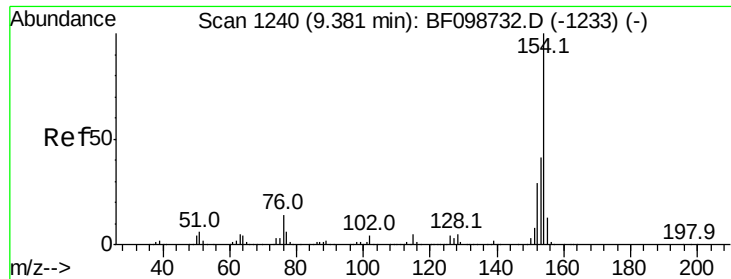
Sohil
 9/28/2017 2:32:17 PM



#44
 2-Fluorobiphenyl
 Concen: 83.083 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. -0.01 min
 Lab File: BF098869.D
 Acq: 27 Sep 2017 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1359718		
171	36.2	29.7	44.5	
170	24.0	19.6	29.4	





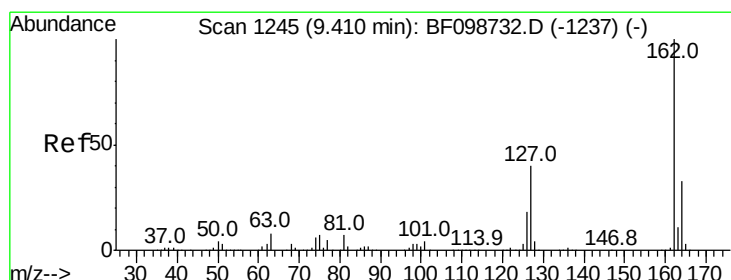
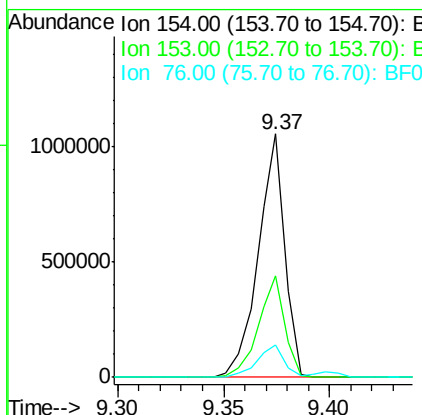
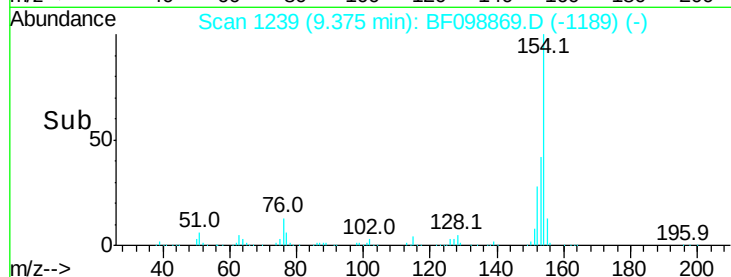
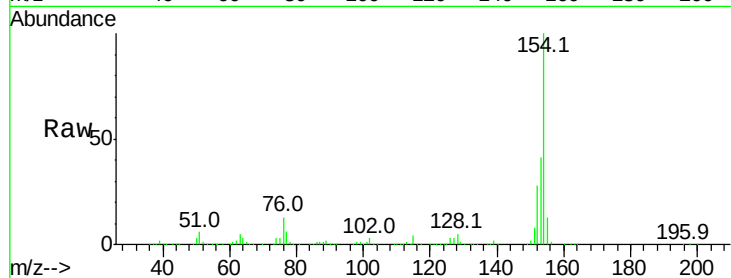
#45
1,1'-Biphenyl
Concen: 39.031 ng
RT: 9.37 min Scan# 1239
Delta R.T. -0.01 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Instrument :
BNA_F
ClientSampleId :
JC-DRUMMSD

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	41.5	21.3	61.3	
76	13.5	0.0	34.0	

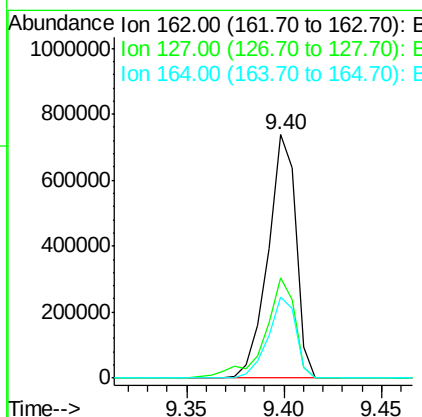
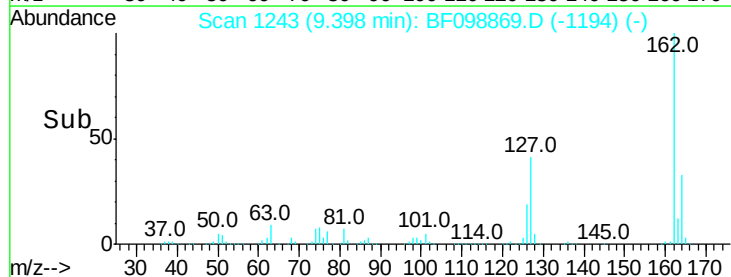
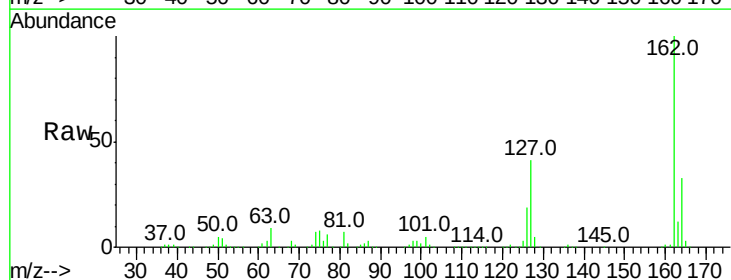
Manual Integrations
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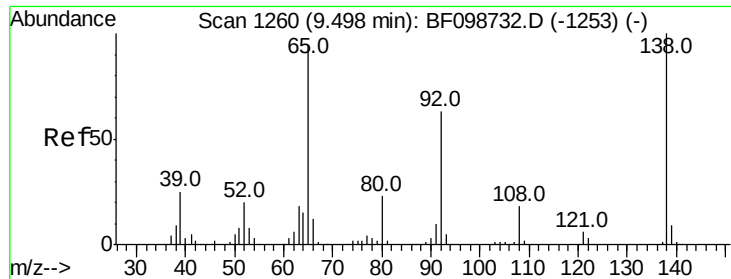
Sohil
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#46
2-Chloronaphthalene
Concen: 41.458 ng
RT: 9.40 min Scan# 1243
Delta R.T. -0.01 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
162	100			
127	40.9	33.9	50.9	
164	33.3	26.5	39.7	





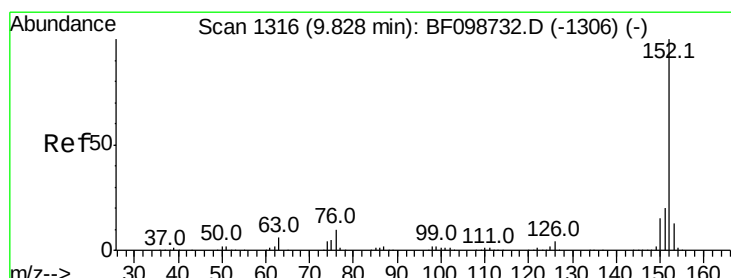
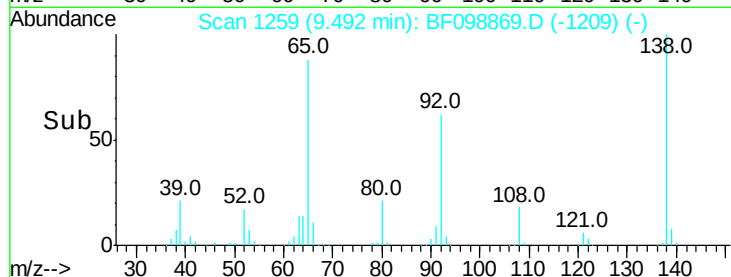
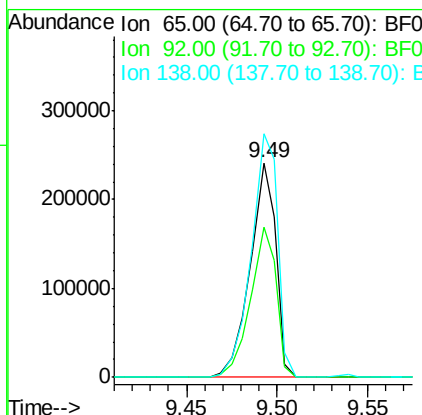
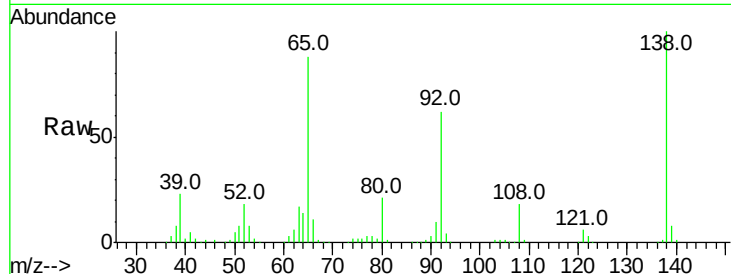
#47
 2-Nitroaniline
 Concen: 44.013 ng
 RT: 9.49 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: BF098869.D
 Acq: 27 Sep 2017 18:13

Instrument :
 BNA_F
 ClientSampleId :
 JC-DRUMMSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	70.0	55.8	83.6
138	113.7	91.2	136.8

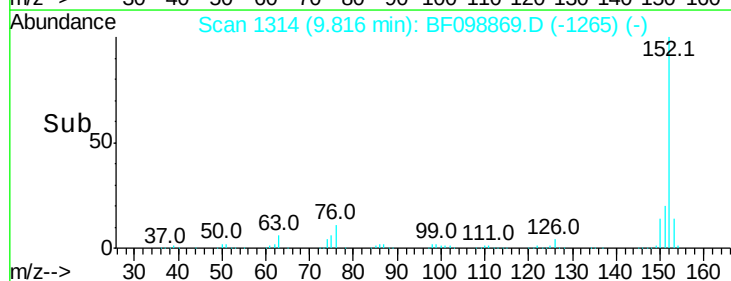
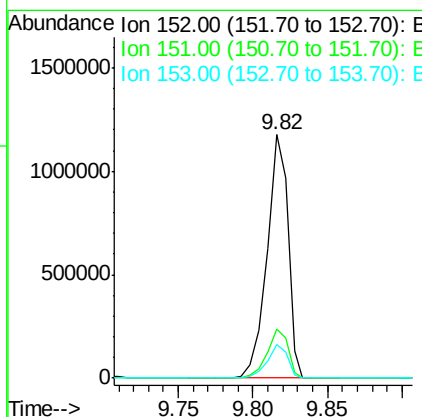
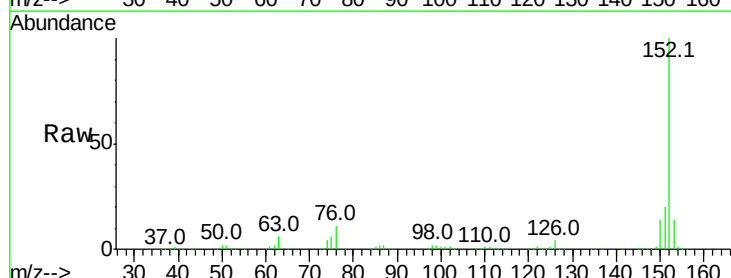
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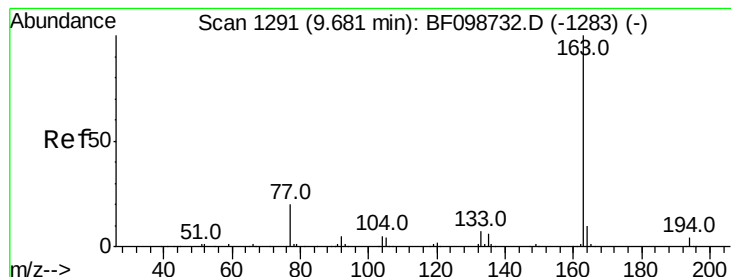
Sohil
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#48
 Acenaphthylene
 Concen: 42.006 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BF098869.D
 Acq: 27 Sep 2017 18:13

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5
153	13.6	10.7	16.1





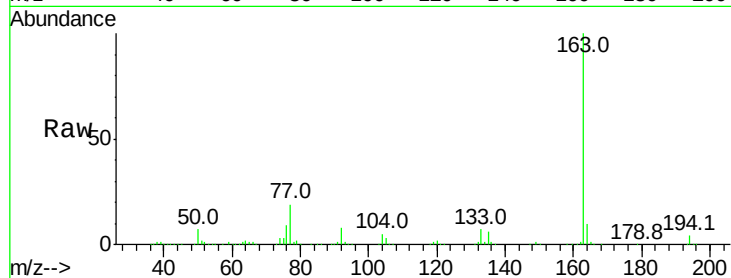
#49
Dimethylphthalate
Concen: 42.443 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Instrument :
BNA_F
ClientSampleId :
JC-DRUMMSD

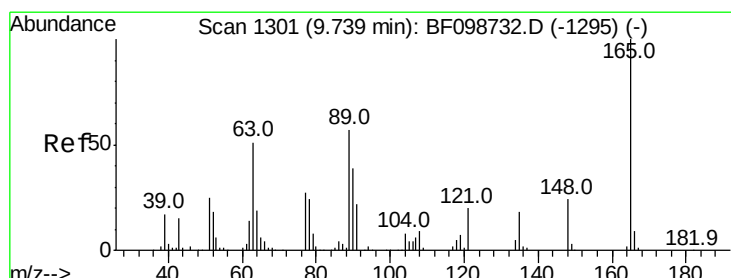
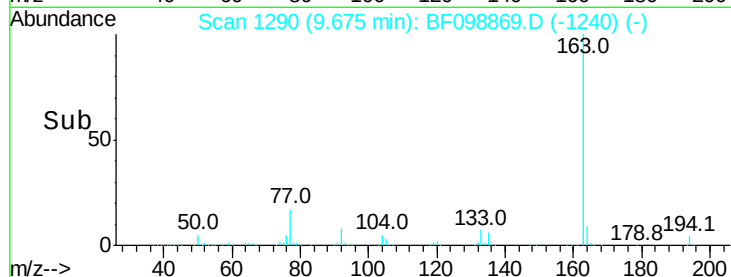
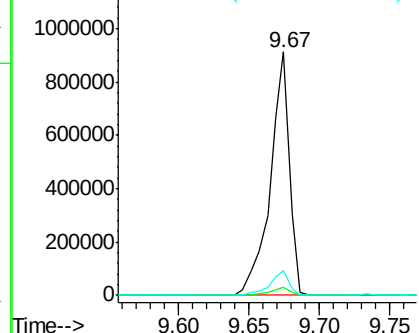
Tot Ion	163	Resp	875193
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	10.2	8.2	12.2

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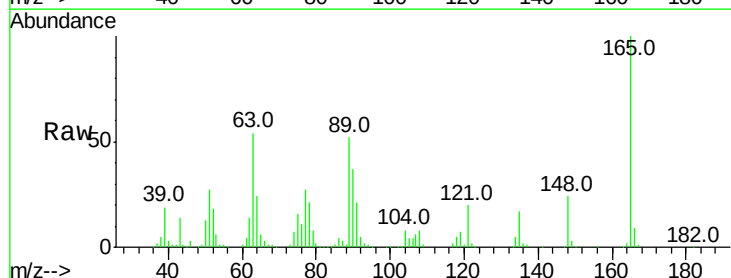


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

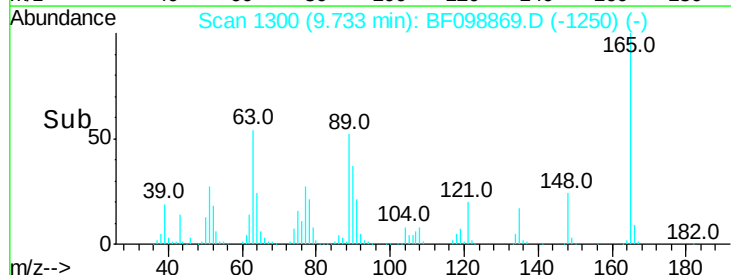
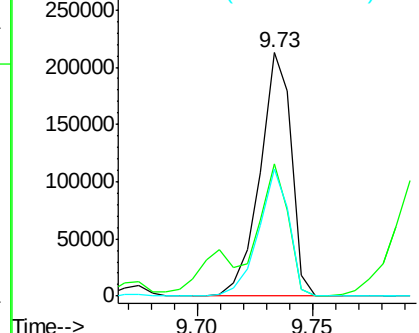


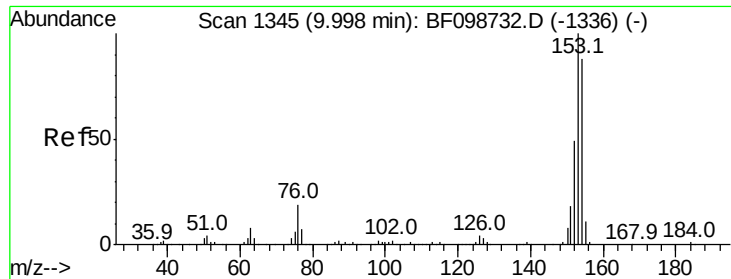
#50
2,6-Dinitrotoluene
Concen: 45.082 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Tgt Ion	165	Resp	202384
Ion Ratio	Lower	Upper	
165	100		
63	54.1	44.7	67.1
89	52.3	44.0	66.0



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 43.624 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF098869.D

Acq: 27 Sep 2017 18:13

Instrument :

BNA_F

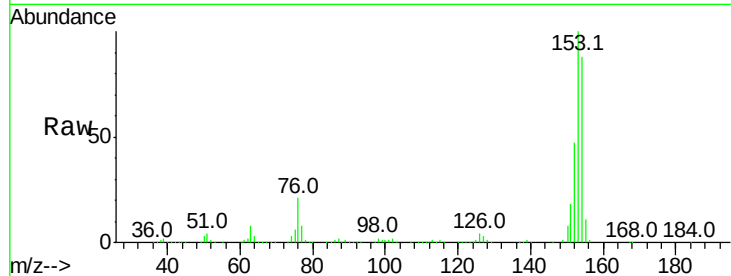
ClientSampled :

JC-DRUMMSD

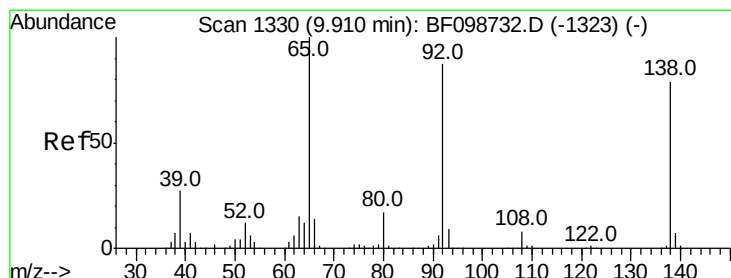
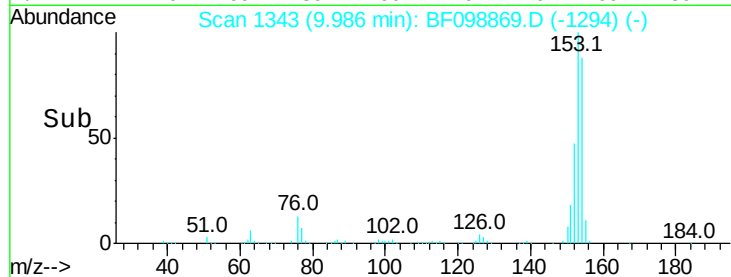
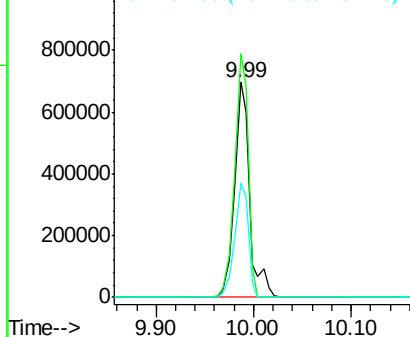
Tot Ion:	154	Resp:	745789
Ion Ratio	Lower	Upper	
154	100		
153	113.0	91.2	136.8
152	53.2	43.8	65.8

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 18.619 ng

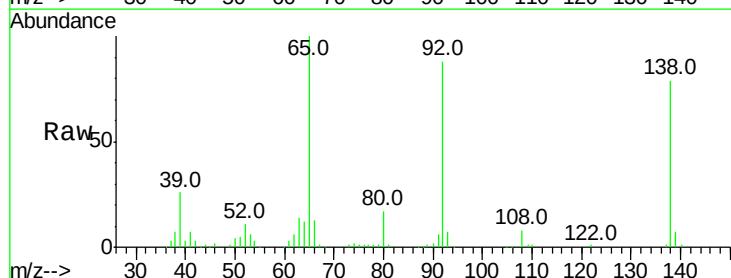
RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

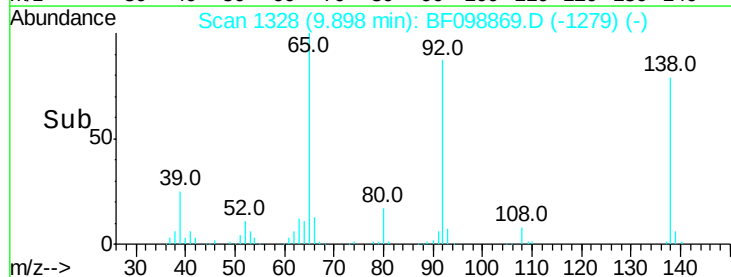
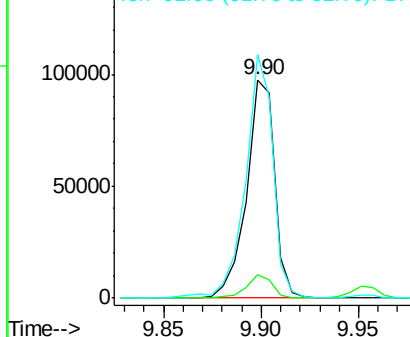
Lab File: BF098869.D

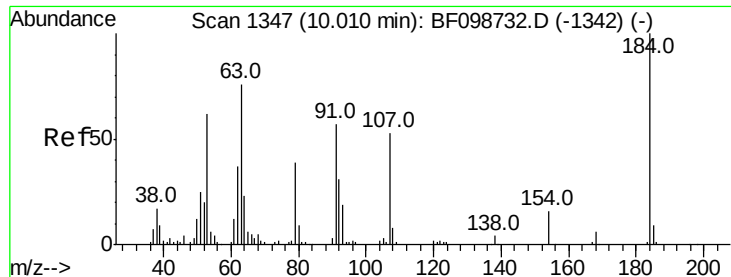
Acq: 27 Sep 2017 18:13

Tgt Ion:	138	Resp:	97462
Ion Ratio	Lower	Upper	
138	100		
108	10.6	9.4	14.0
92	111.4	89.4	134.2



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0





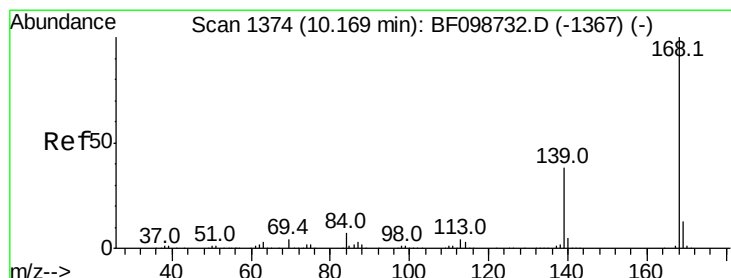
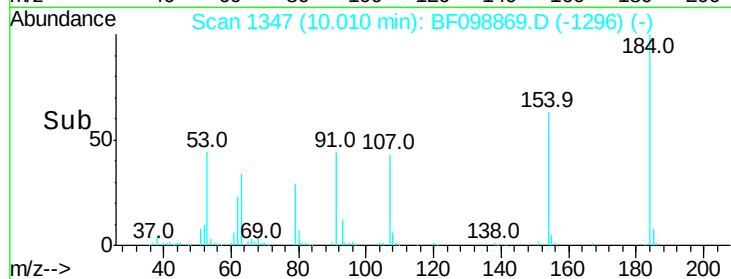
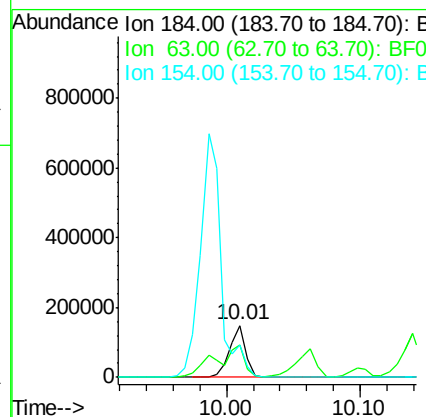
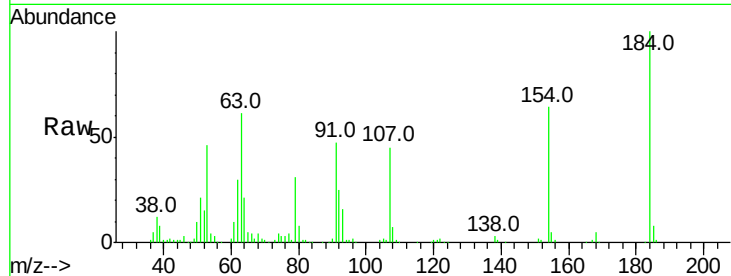
#53
2,4-Dinitrophenol
Concen: 56.649 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.00 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Instrument :
BNA_F
ClientSampleId :
JC-DRUMMSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100	128114		
63	61.4	54.2	81.2	
154	63.7	53.5	80.3	

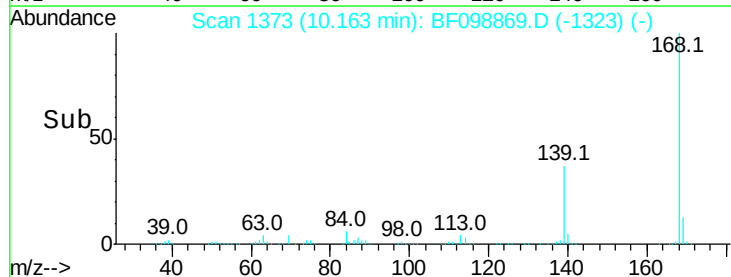
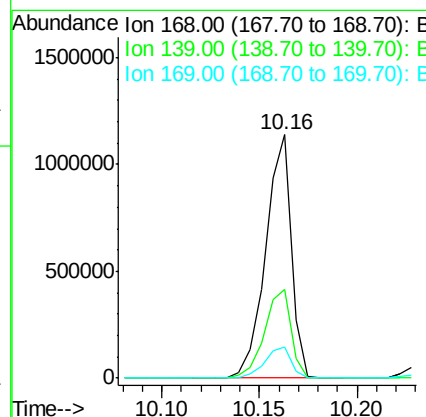
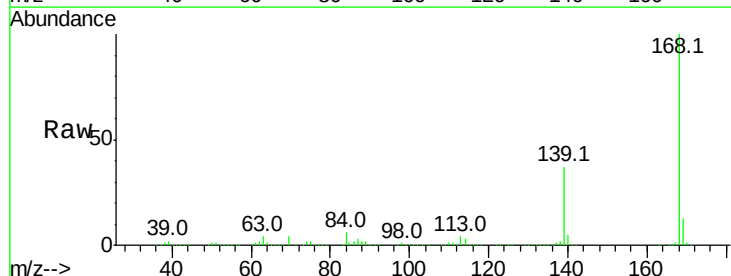
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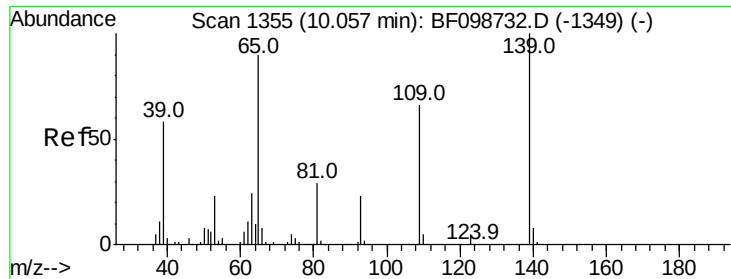
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#54
Dibenzofuran
Concen: 45.560 ng
RT: 10.16 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1037056		
139	36.7	30.1	45.1	
169	12.9	10.9	16.3	





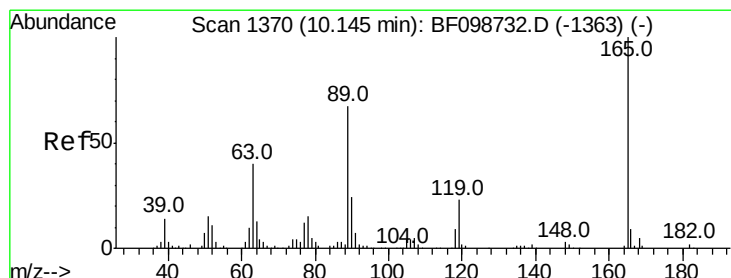
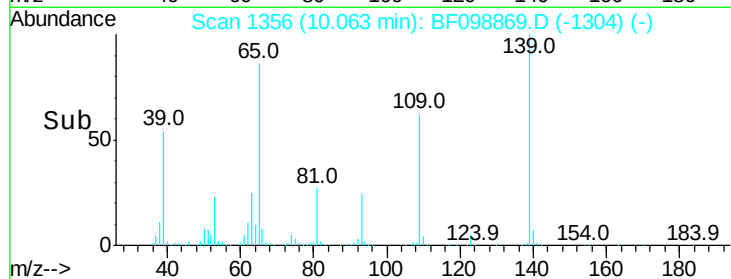
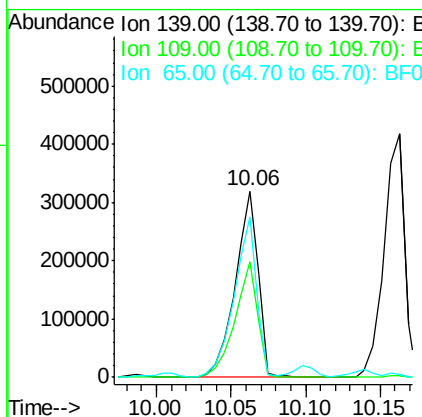
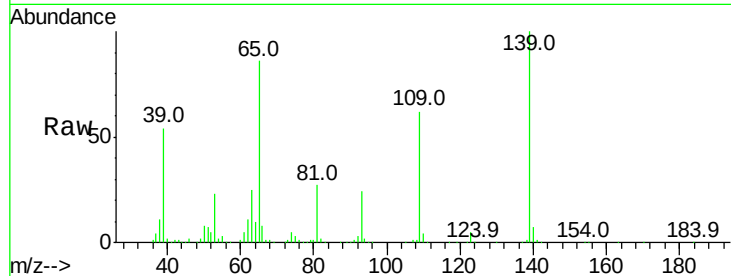
#55
4-Nitrophenol
Concen: 77.385 ng
RT: 10.06 min Scan# 1356
Delta R.T. 0.01 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Instrument :
BNA_F
ClientSampleId :
JC-DRUMMSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100	342515		
109	62.2	48.4	88.4	
65	86.4	72.6	112.6	

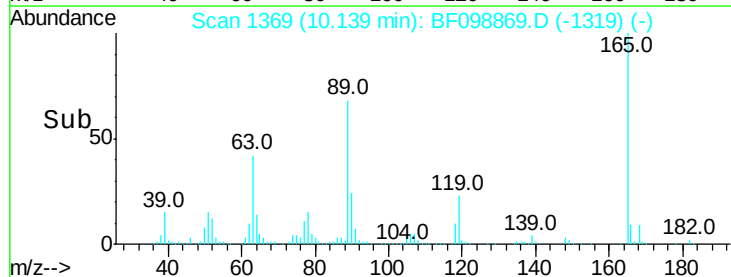
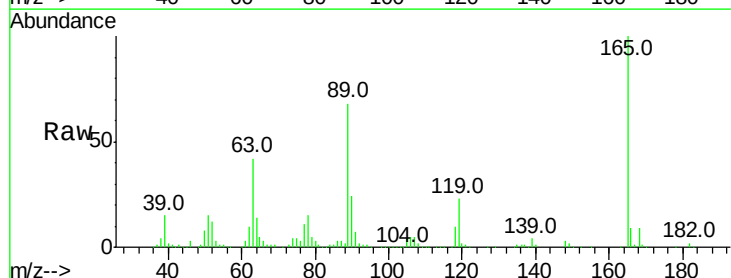
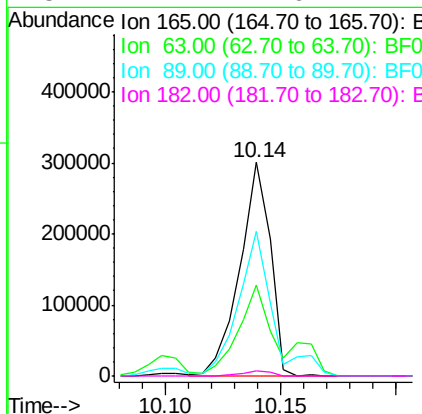
Manual Integrations
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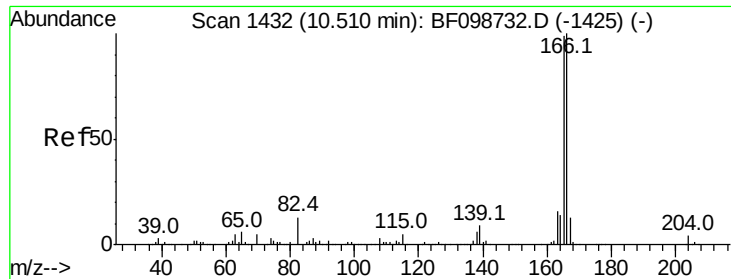
Sohil
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#56
2,4-Dinitrotoluene
Concen: 47.882 ng
RT: 10.14 min Scan# 1369
Delta R.T. -0.01 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	278973		
63	42.4	36.4	54.6	
89	68.0	57.8	86.6	
182	2.4	1.6	2.4	





#57

Fluorene

Concen: 43.034 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BF098869.D

Acq: 27 Sep 2017 18:13

Instrument :

BNA_F

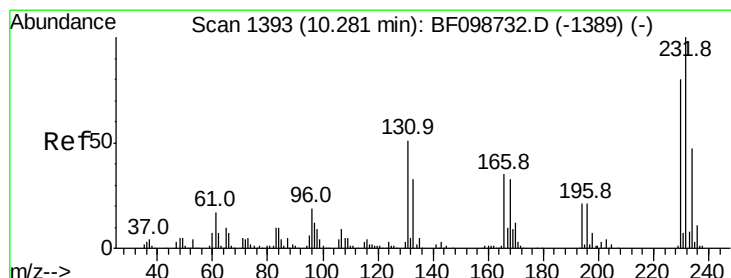
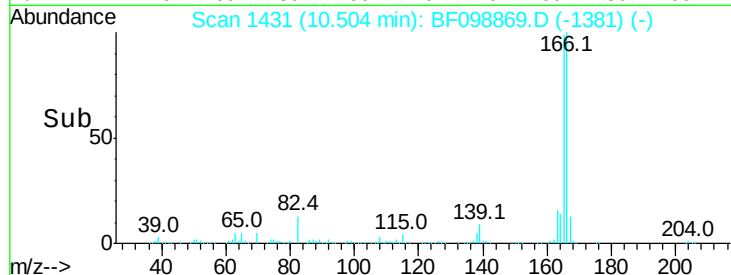
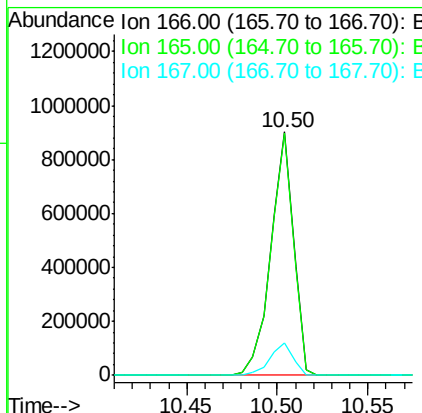
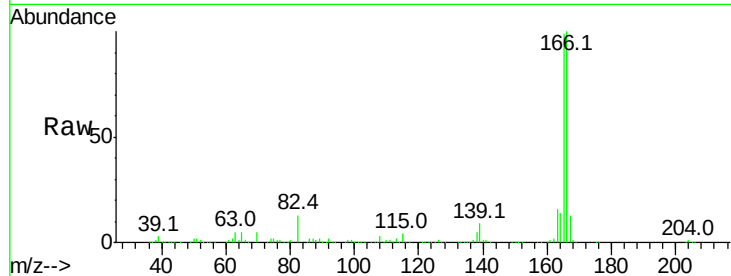
ClientSampleId :

JC-DRUMMSD

Tot Ion:	166	Resp:	787334
Ion Ratio	Lower	Upper	
166	100		
165	99.3	79.8	119.8
167	13.4	10.6	16.0

Manual Integrations
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#58

2,3,4,6-Tetrachlorophenol

Concen: 46.525 ng

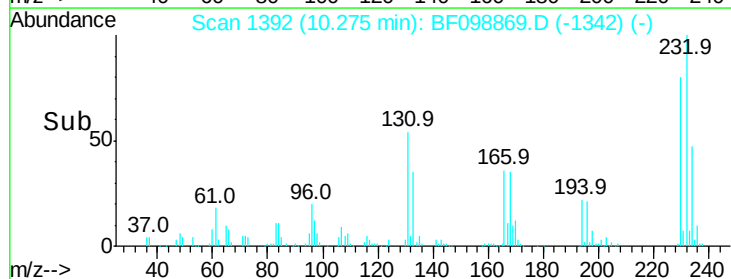
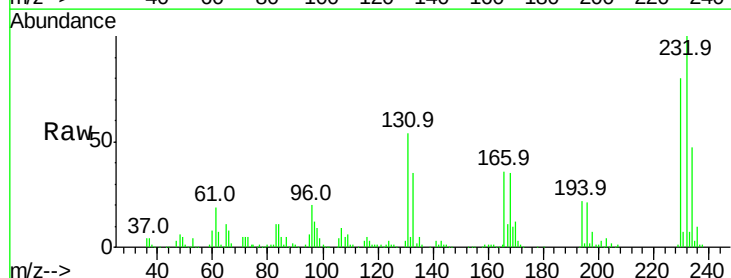
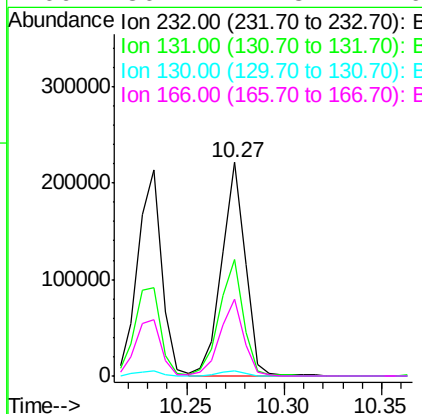
RT: 10.27 min Scan# 1392

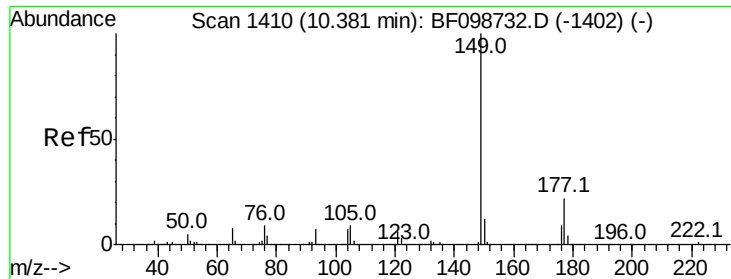
Delta R.T. -0.01 min

Lab File: BF098869.D

Acq: 27 Sep 2017 18:13

Tgt Ion:	232	Resp:	185191
Ion Ratio	Lower	Upper	
232	100		
131	54.9	43.8	65.8
130	2.7	2.1	3.1
166	36.2	27.8	41.6





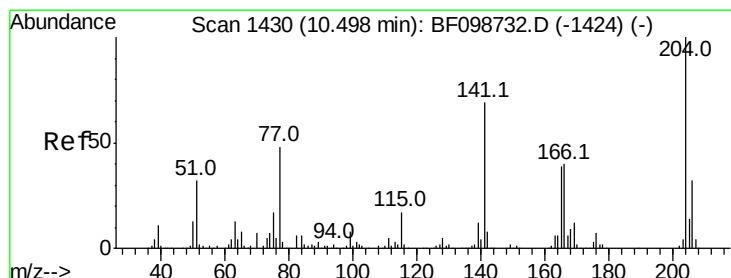
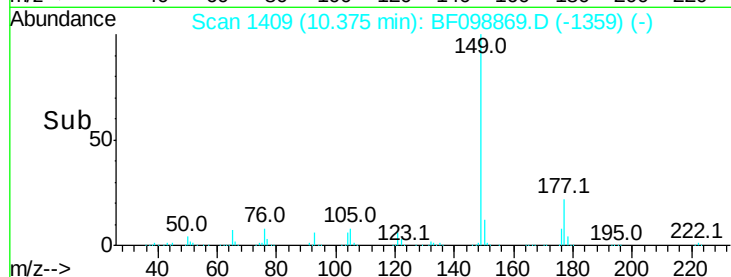
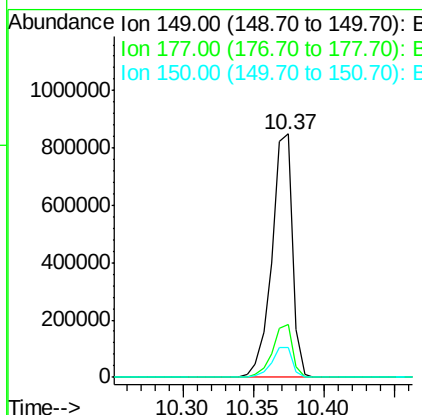
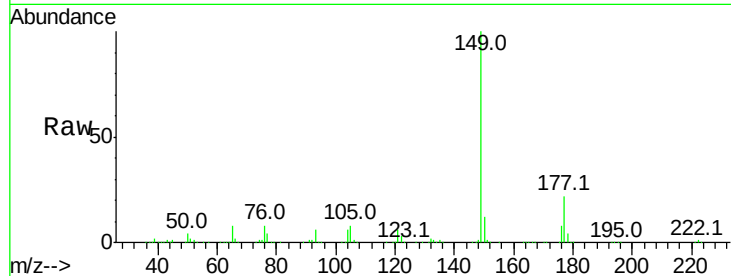
#59
Diethylphthalate
Concen: 43.194 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Instrument :
BNA_F
ClientSampleId :
JC-DRUMMSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	870325		
177	21.7	16.1	24.1	
150	12.1	10.1	15.1	

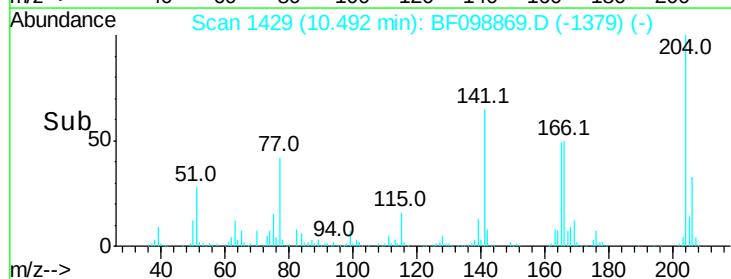
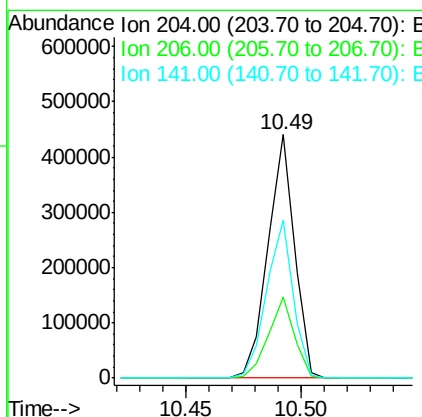
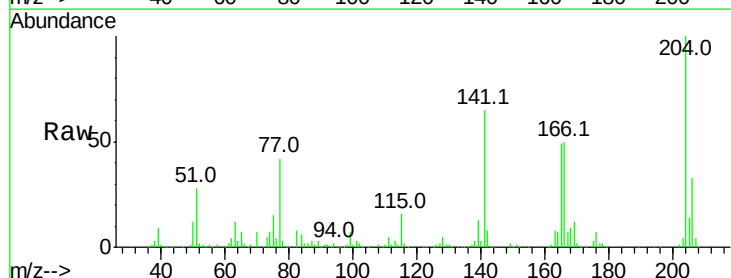
Manual Integrations
APPROVED

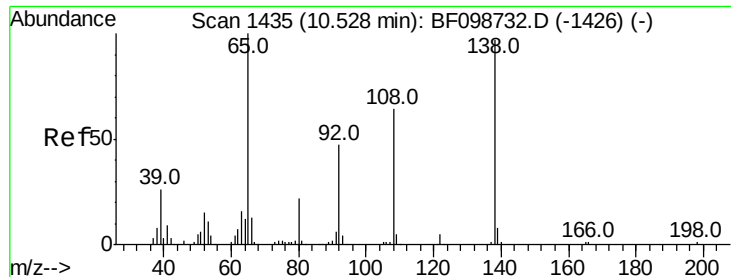
Sohil
9/28/2017 2:32:17 PM



#60
4-Chlorophenyl-phenylether
Concen: 42.905 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	352614		
206	33.3	26.5	39.7	
141	64.8	54.6	81.8	





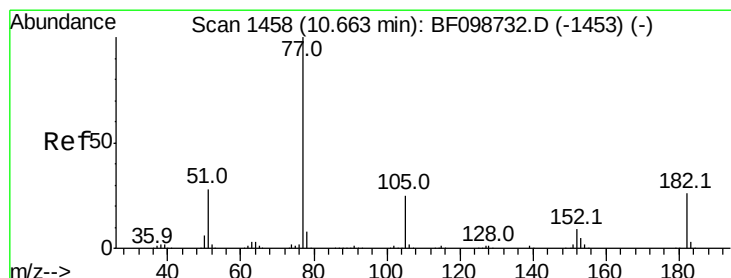
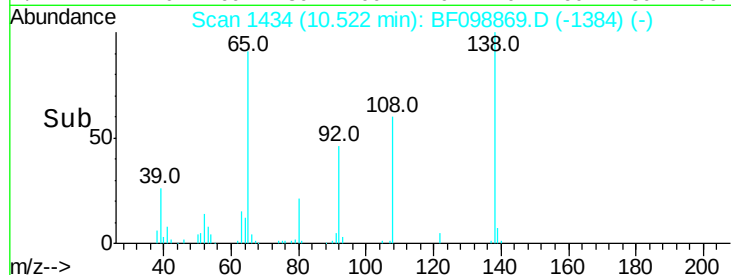
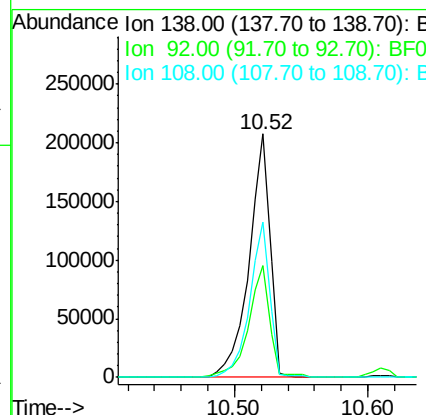
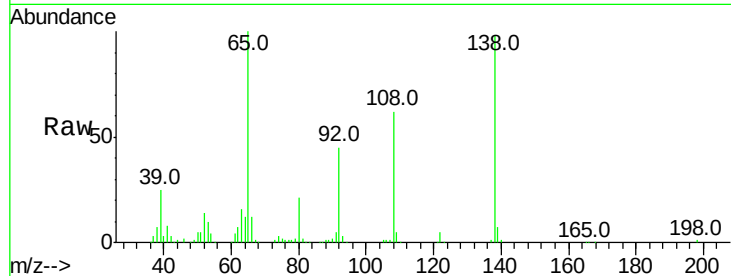
#61
4-Nitroaniline
Concen: 44.168 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Instrument :
BNA_F
ClientSampleId :
JC-DRUMMSD

Tot Ion	Ratio	Resp	Lower	Upper
138	100	223048		
92	46.1	30.2	70.2	
108	63.8	52.5	92.5	

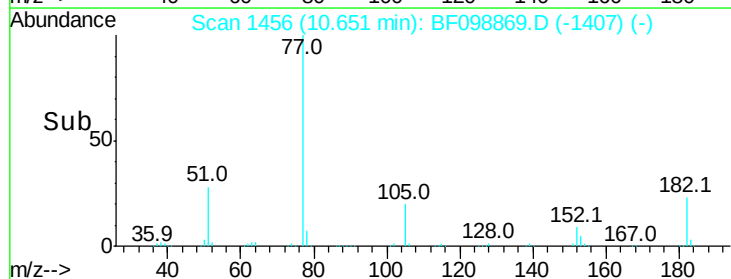
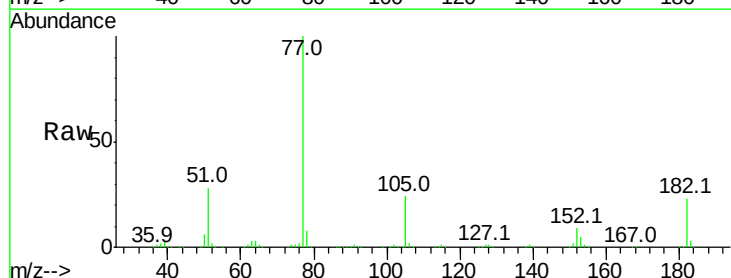
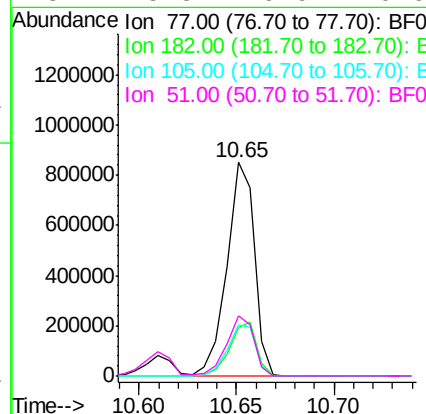
Manual Integrations
APPROVED

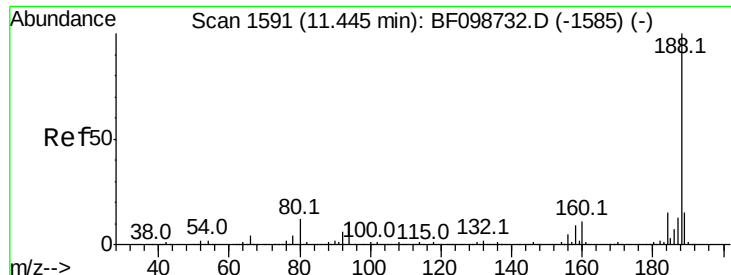
Sohil
9/28/2017 2:32:17 PM



#62
Azobenzene
Concen: 44.891 ng
RT: 10.65 min Scan# 1456
Delta R.T. -0.01 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	831685		
182	22.8	1.7	41.7	
105	24.2	3.0	43.0	
51	28.3	9.9	49.9	





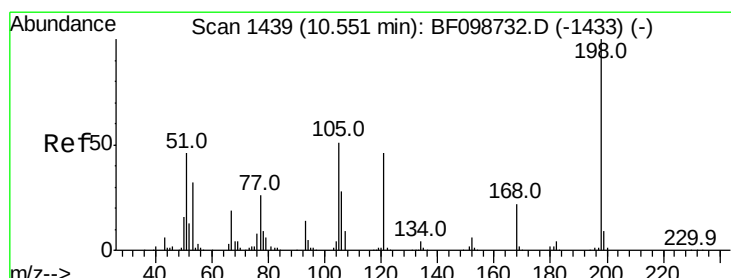
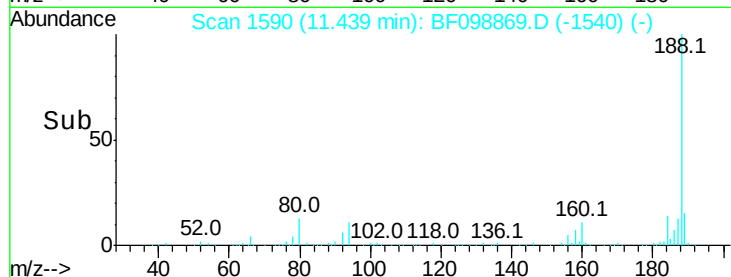
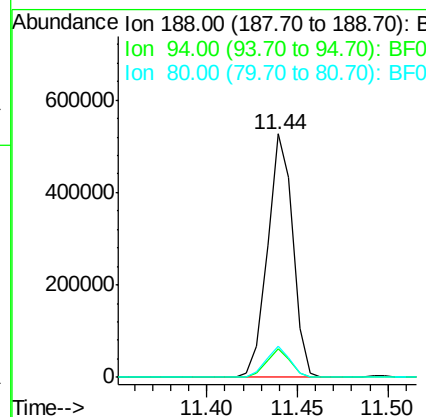
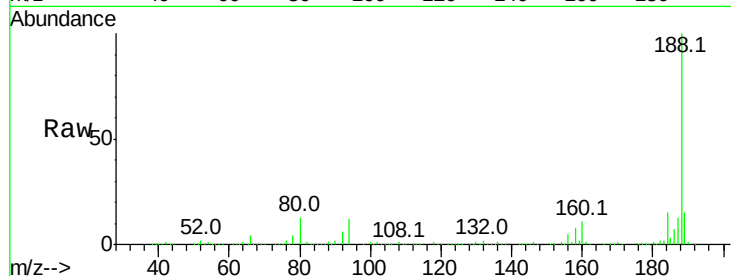
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Instrument :
BNA_F
ClientSampleId :
JC-DRUMMSD

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.9	8.5	12.7
80	12.6	9.2	13.8

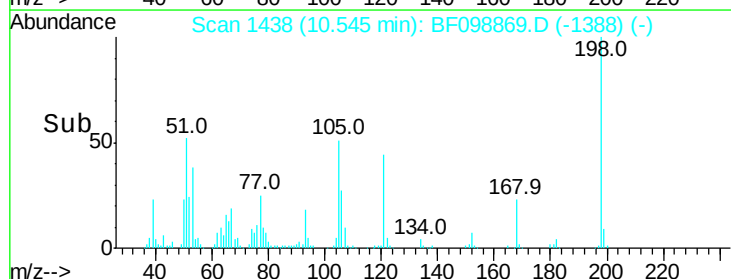
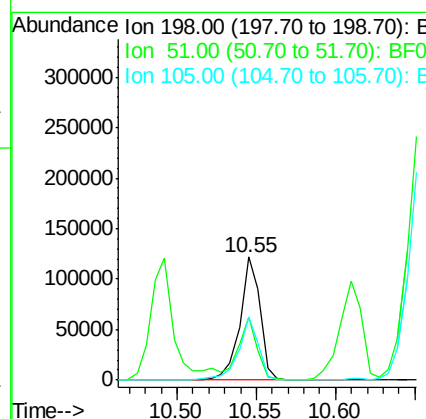
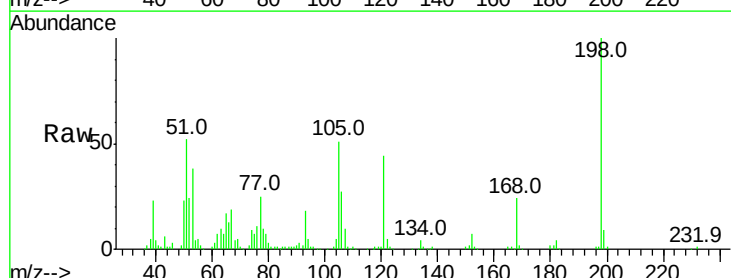
Manual Integrations
APPROVED

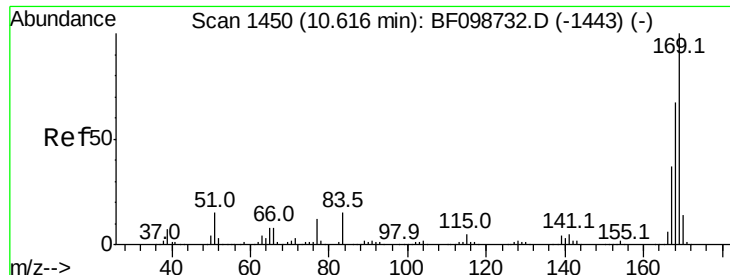
Sohil
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#64
4,6-Dinitro-2-methylphenol
Concen: 34.710 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	51.8	37.7	77.7
105	51.2	36.3	76.3





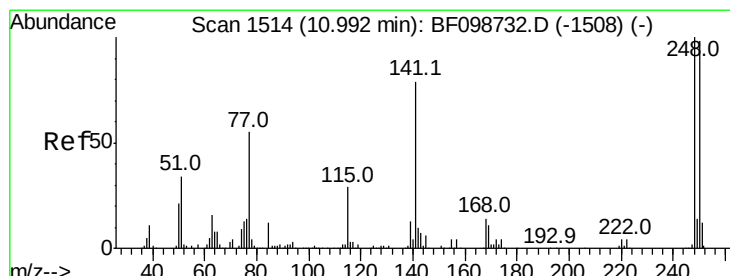
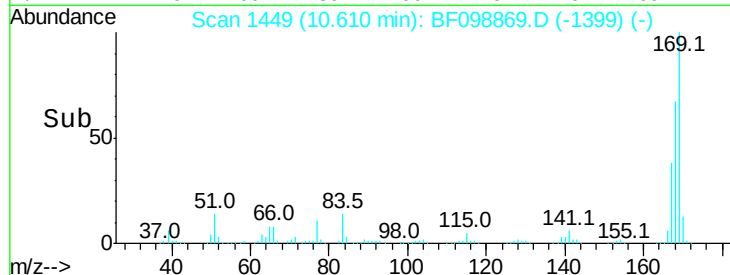
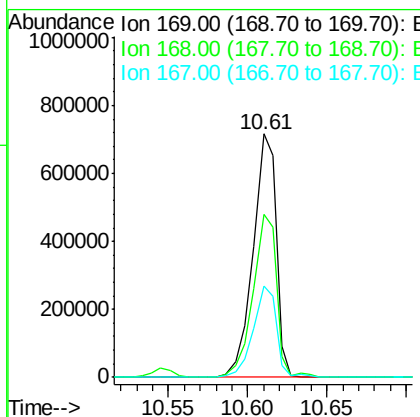
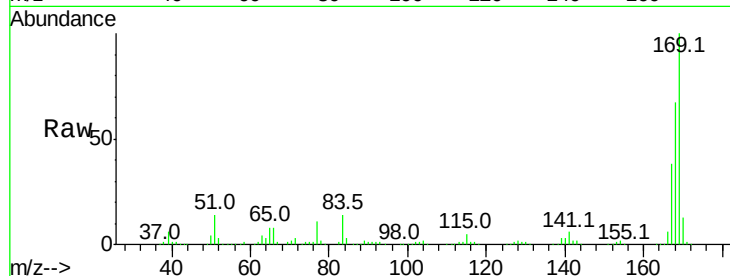
#65
 n-Nitrosodiphenylamine
 Concen: 41.358 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. -0.01 min
 Lab File: BF098869.D
 Acq: 27 Sep 2017 18:13

Instrument :
 BNA_F
 ClientSampleId :
 JC-DRUMMSD

Tot Ion:	169	Resp:	729257
Ion Ratio	Lower	Upper	
169	100		
168	66.8	54.4	81.6
167	37.6	29.8	44.6

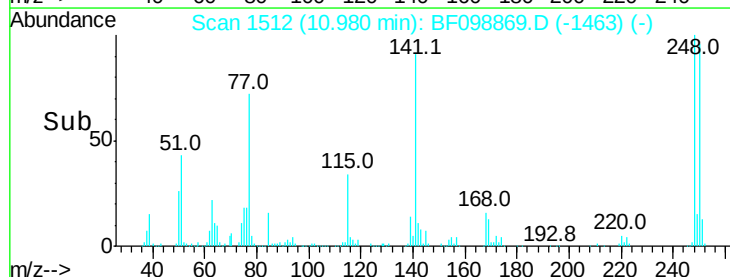
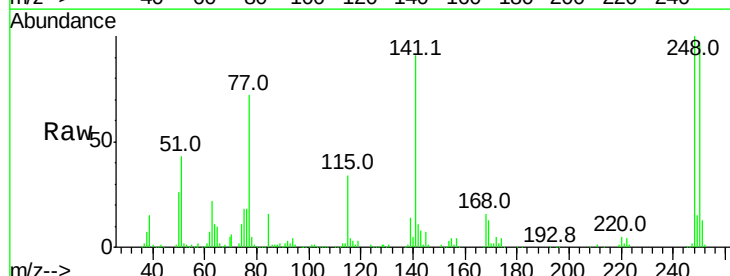
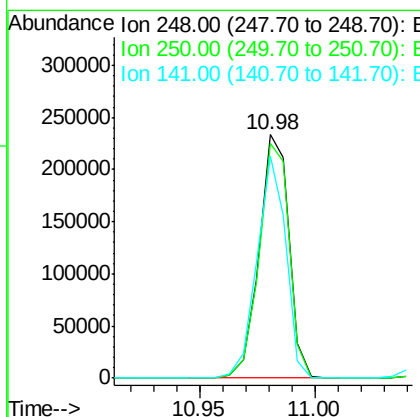
Manual Integrations
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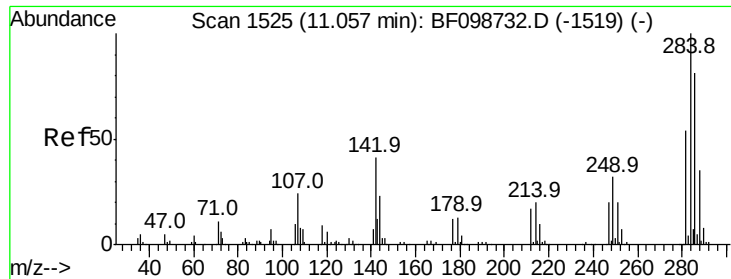
Sohil
 9/28/2017 2:32:17 PM



#66
 4-Bromophenyl-phenylether
 Concen: 42.234 ng
 RT: 10.98 min Scan# 1512
 Delta R.T. -0.01 min
 Lab File: BF098869.D
 Acq: 27 Sep 2017 18:13

Tgt Ion:	248	Resp:	210414
Ion Ratio	Lower	Upper	
248	100		
250	96.4	76.9	115.3
141	91.1	74.4	111.6





#67

Hexachlorobenzene

Concen: 40.228 ng

RT: 11.05 min Scan# 1524

Delta R.T. -0.01 min

Lab File: BF098869.D

Acq: 27 Sep 2017 18:13

Instrument :

BNA_F

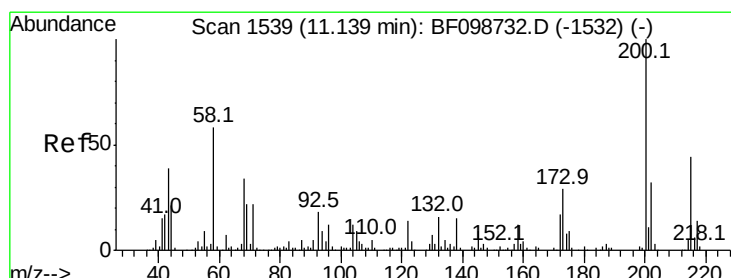
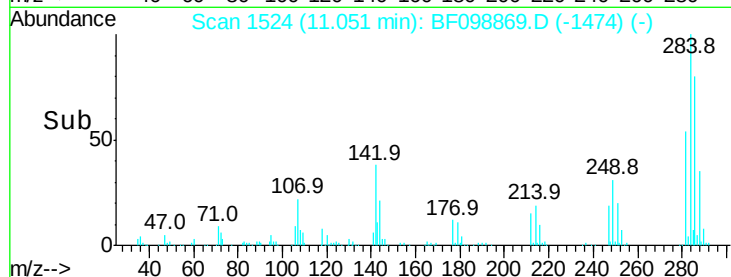
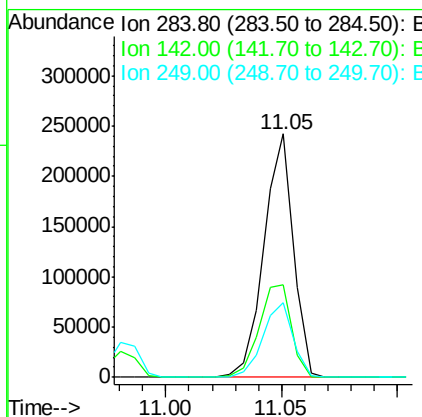
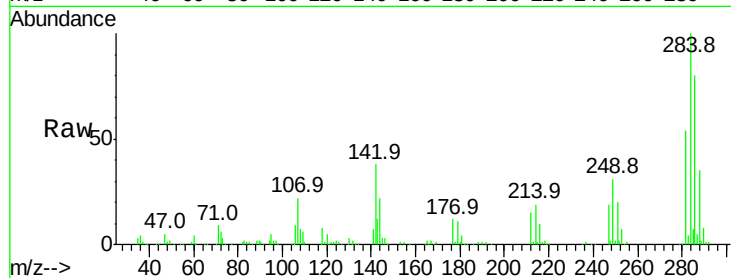
ClientSampleId :

JC-DRUMMSD

Tot Ion:	284	Resp:	214057
Ion Ratio		Lower	Upper
284	100		
142	38.1	34.6	52.0
249	30.9	24.8	37.2

Manual Integrations
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#68

Atrazine

Concen: 43.978 ng

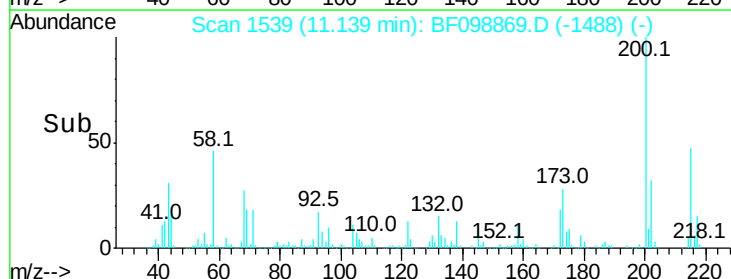
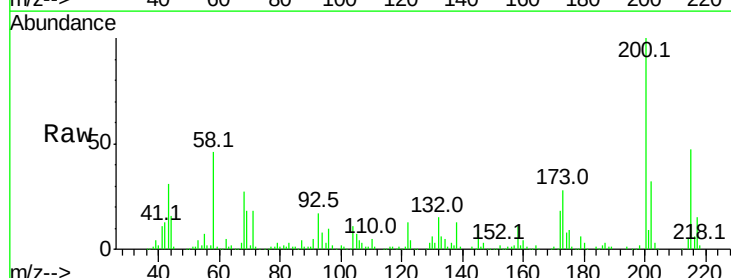
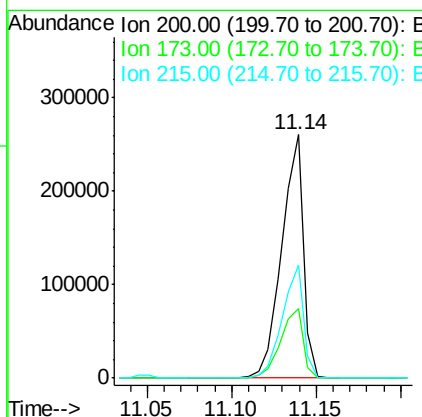
RT: 11.14 min Scan# 1539

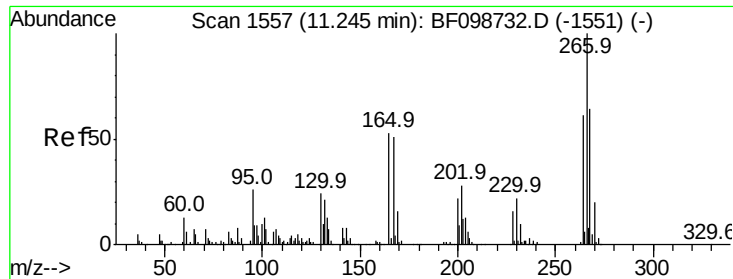
Delta R.T. 0.00 min

Lab File: BF098869.D

Acq: 27 Sep 2017 18:13

Tgt Ion:	200	Resp:	233310
Ion Ratio		Lower	Upper
200	100		
173	28.4	8.6	48.6
215	46.5	25.1	65.1





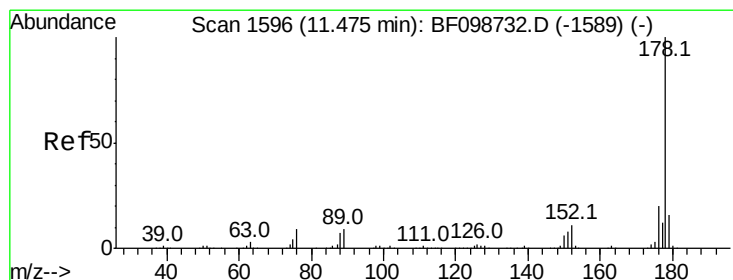
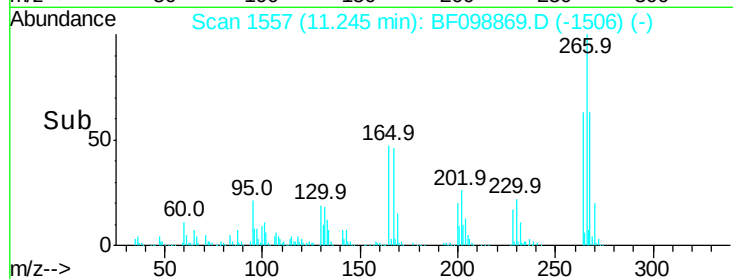
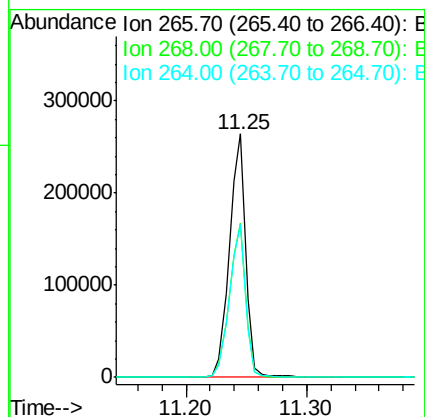
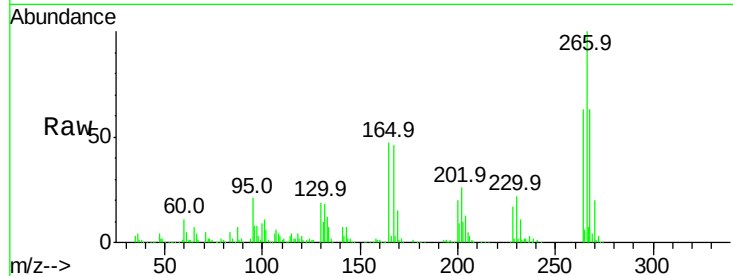
#69
 Pentachlorophenol
 Concen: 74.729 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: BF098869.D
 Acq: 27 Sep 2017 18:13

Instrument :
 BNA_F
 ClientSampleId :
 JC-DRUMMSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	247476		
268	63.3	51.1	76.7	
264	62.6	49.5	74.3	

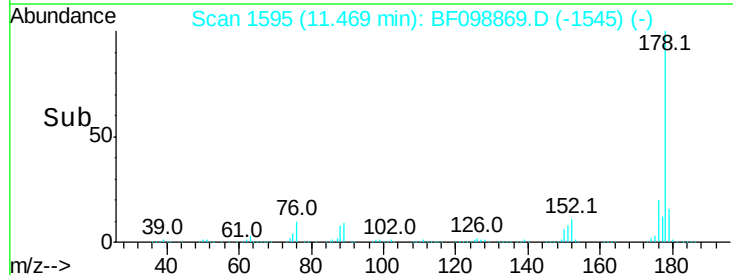
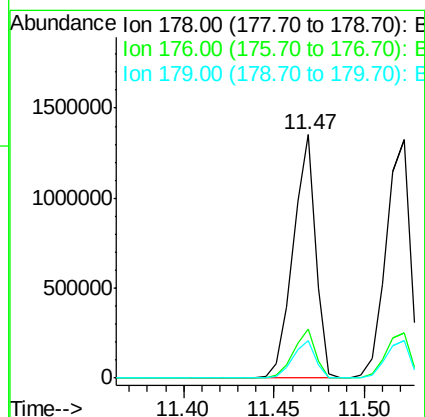
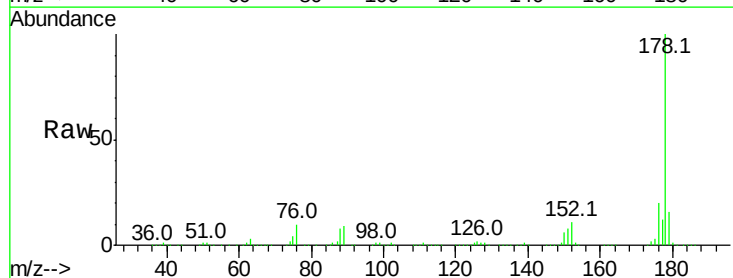
Manual Integrations
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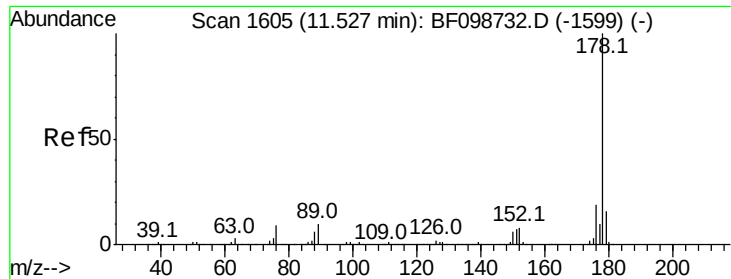
Sohil
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#70
 Phenanthrene
 Concen: 43.470 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF098869.D
 Acq: 27 Sep 2017 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1184323		
176	20.0	15.8	23.8	
179	15.6	13.0	19.6	





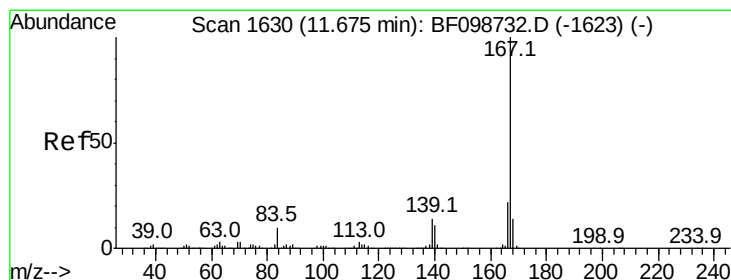
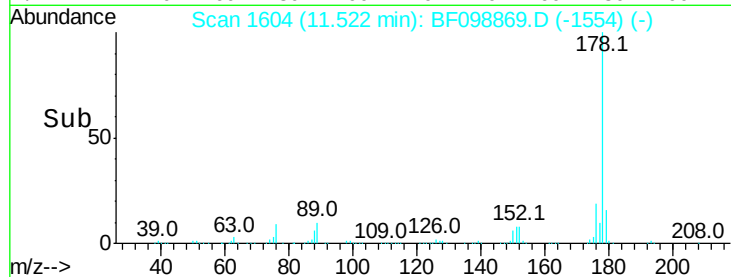
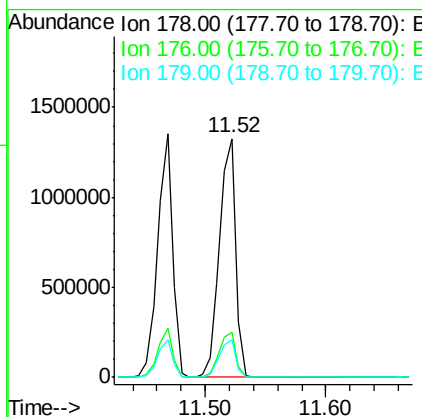
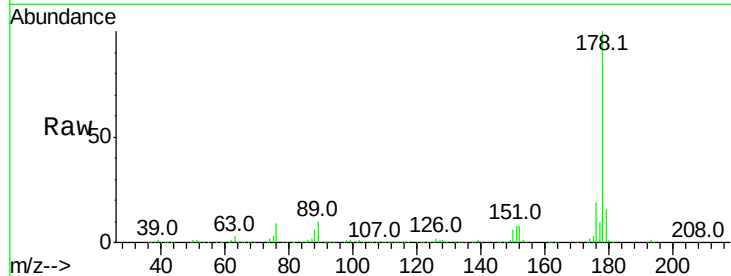
#71
 Anthracene
 Concen: 43.724 ng
 RT: 11.52 min Scan# 1604
 Delta R.T. -0.01 min
 Lab File: BF098869.D
 Acq: 27 Sep 2017 18:13

Instrument :
 BNA_F
 ClientSampleId :
 JC-DRUMMSD

Tot Ion:178 Resp: 1218874
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.4 23.2
 179 15.6 12.6 19.0

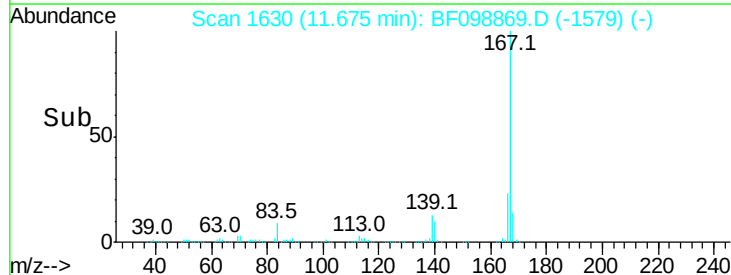
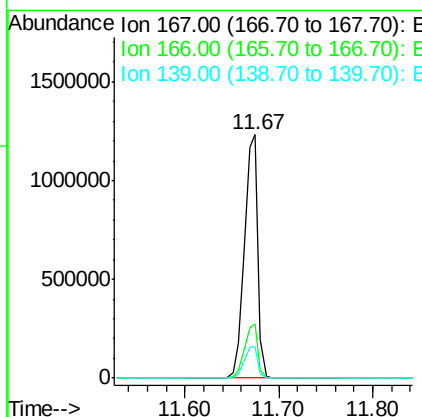
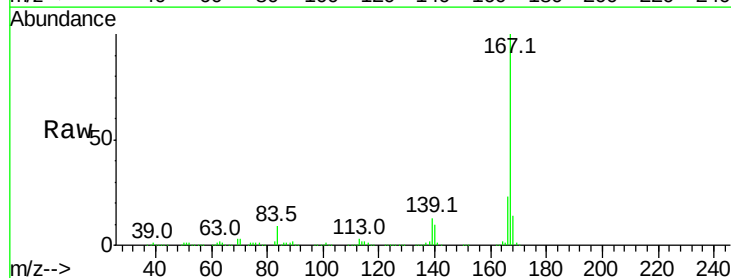
Manual Integrations
 APPROVED

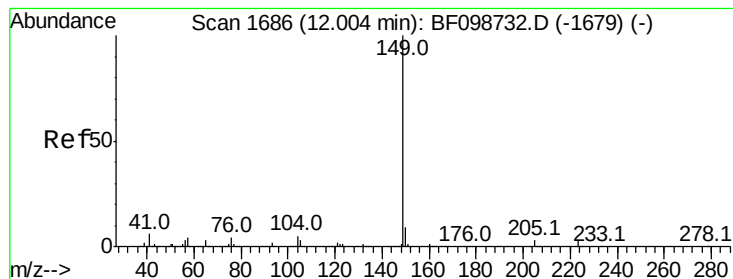
Sohil
 9/28/2017 2:32:17 PM



#72
 Carbazole
 Concen: 44.144 ng
 RT: 11.67 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: BF098869.D
 Acq: 27 Sep 2017 18:13

Tgt Ion:167 Resp: 1205071
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.6 26.4
 139 12.8 10.9 16.3





#73

Di-n-butylphthalate

Concen: 42.285 ng

RT: 11.99 min Scan# 1684

Delta R.T. -0.01 min

Lab File: BF098869.D

Acq: 27 Sep 2017 18:13

Instrument :

BNA_F

ClientSampleId :

JC-DRUMMSD

Tot Ion:149 Resp: 1389400

Ion Ratio Lower Upper

149 100

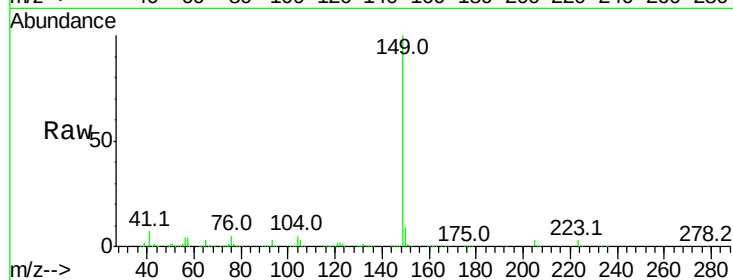
150 9.4 7.8 11.6

104 4.8 3.8 5.8

Manual Integrations
APPROVED

Sohil

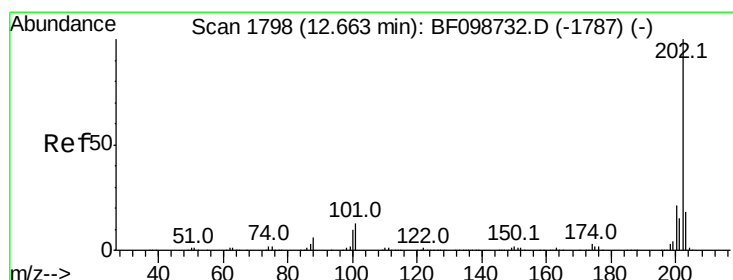
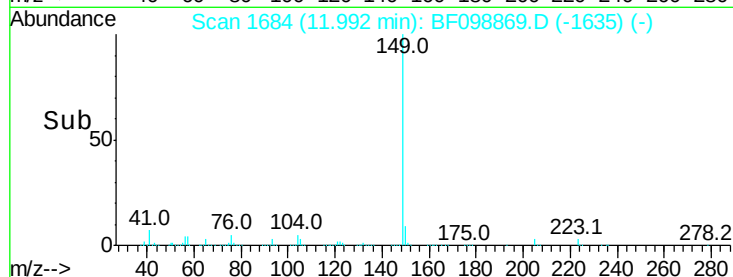
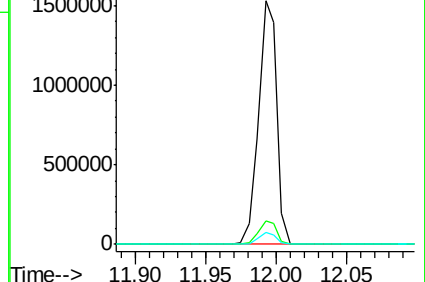
9/28/2017 2:32:17 PM



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: 46.714 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF098869.D

Acq: 27 Sep 2017 18:13

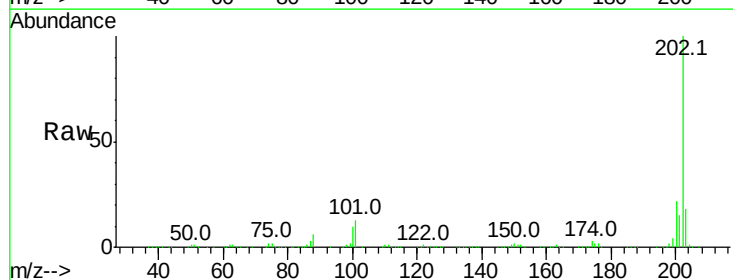
Tgt Ion:202 Resp: 1288762

Ion Ratio Lower Upper

202 100

101 13.5 0.0 34.1

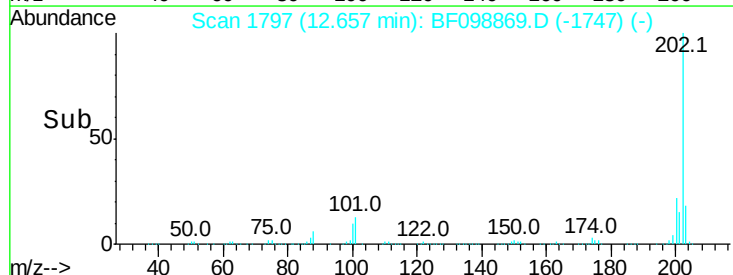
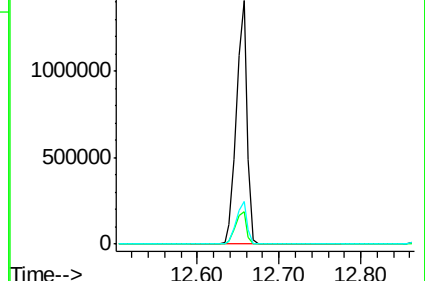
203 17.6 0.0 38.1

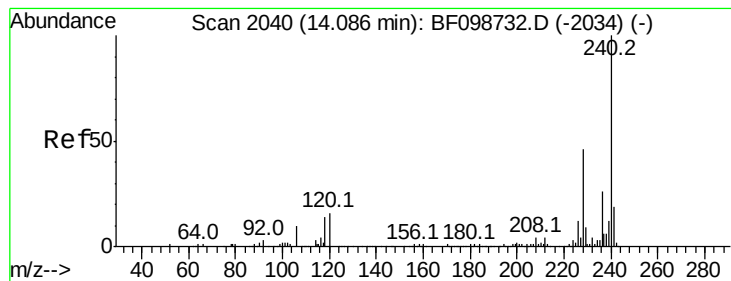


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.00 min

Lab File: BF098869.D

Acq: 27 Sep 2017 18:13

Instrument :

BNA_F

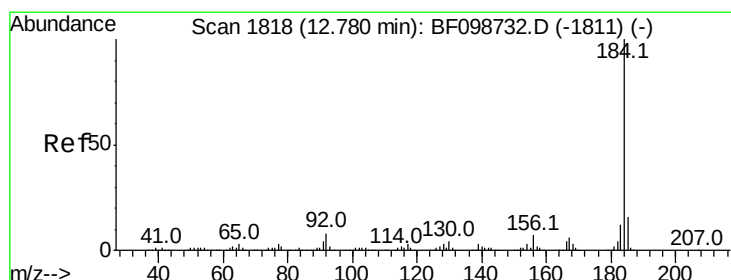
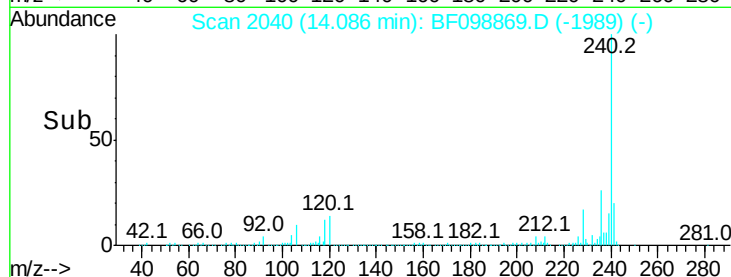
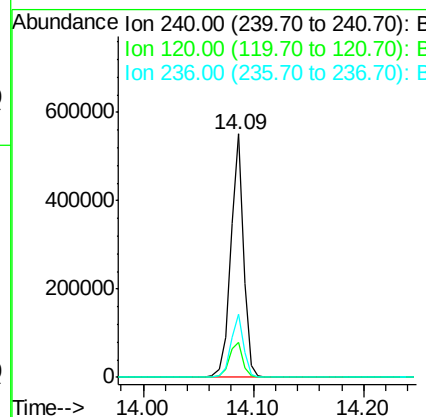
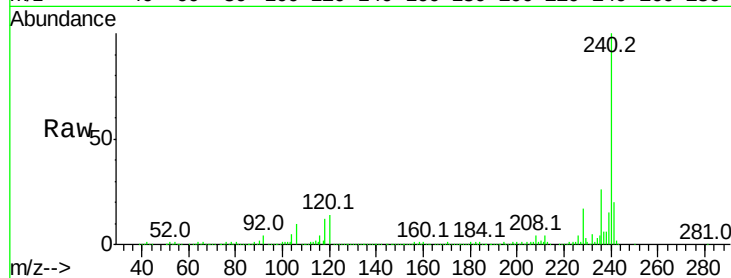
ClientSampled :

JC-DRUMMSD

Tot Ion:	240	Resp:	447656
Ion Ratio	Lower	Upper	
240	100		
120	14.2	9.5	14.3
236	26.0	20.7	31.1

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#76

Benzidine

Concen: 21.132 ng

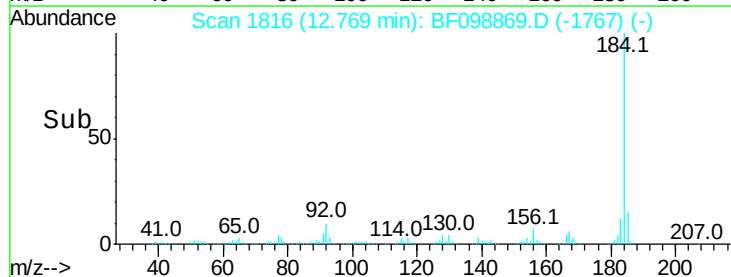
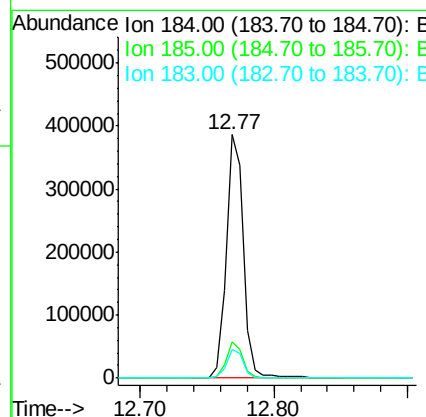
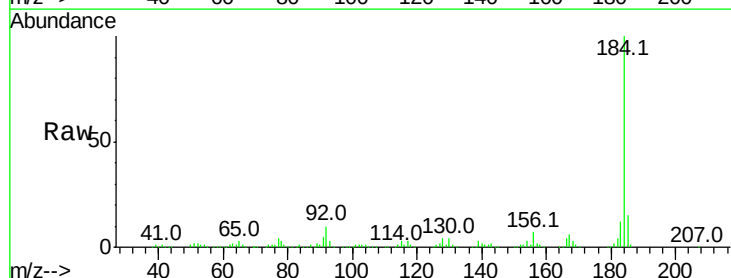
RT: 12.77 min Scan# 1816

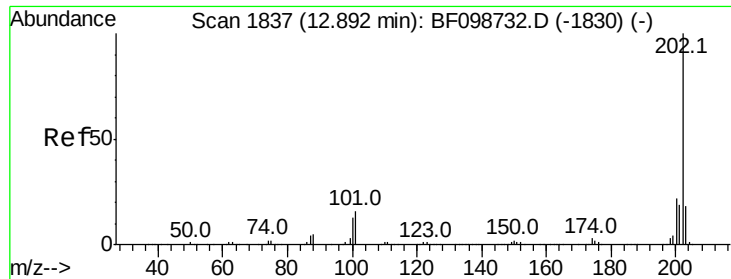
Delta R.T. -0.01 min

Lab File: BF098869.D

Acq: 27 Sep 2017 18:13

Tgt Ion:	184	Resp:	349895
Ion Ratio	Lower	Upper	
184	100		
185	14.8	12.6	18.8
183	11.7	9.3	13.9





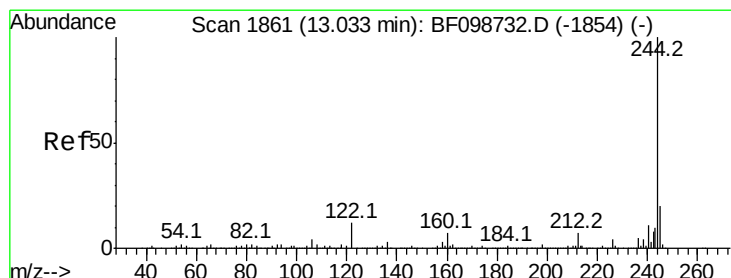
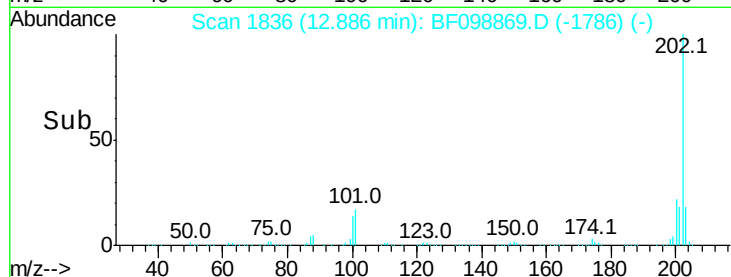
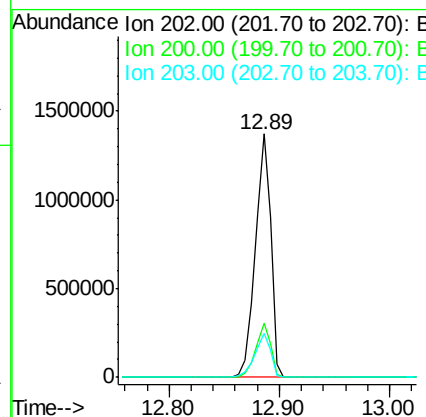
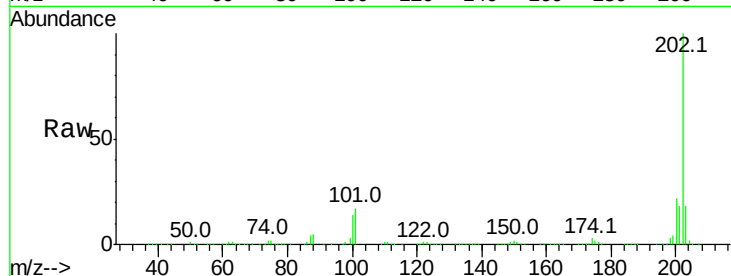
#77
Pvrene
Concen: 39.450 ng
RT: 12.89 min Scan# 1836
Delta R.T. -0.01 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Instrument :
BNA_F
ClientSampleId :
JC-DRUMMSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.4	26.2
203	18.0	14.3	21.5

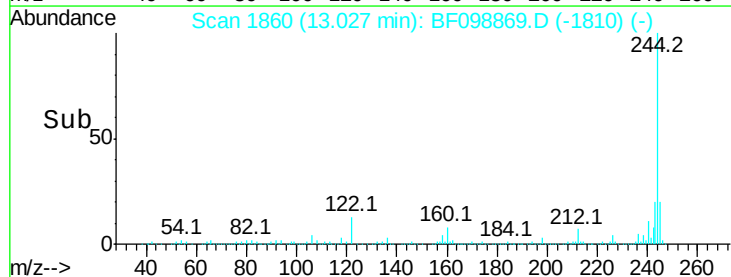
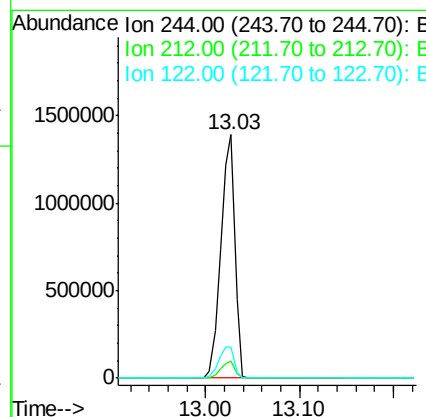
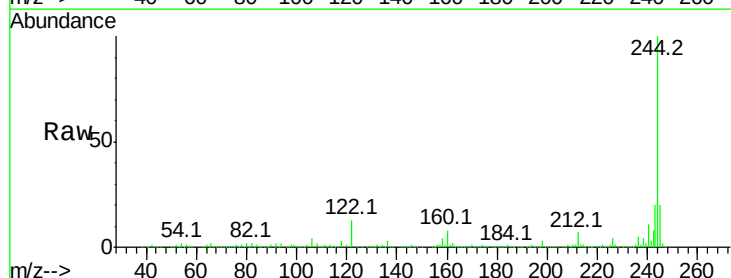
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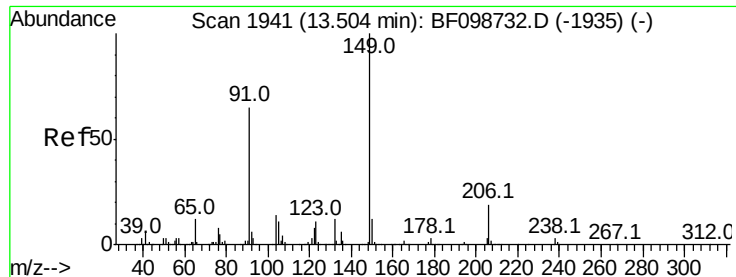
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#78
Terphenyl-d14
Concen: 74.248 ng
RT: 13.03 min Scan# 1860
Delta R.T. -0.01 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	13.0	11.0	16.4





#79

Butylbenzylphthalate

Concen: 41.666 ng

RT: 13.50 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BF098869.D

Acq: 27 Sep 2017 18:13

Instrument :

BNA_F

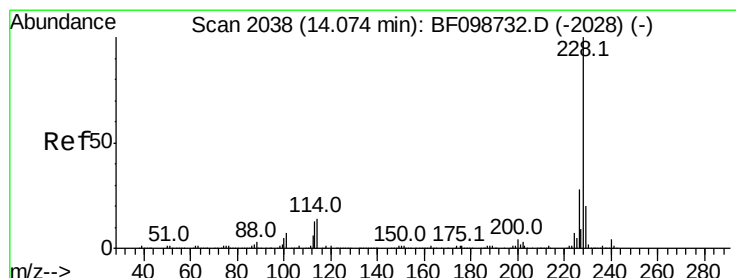
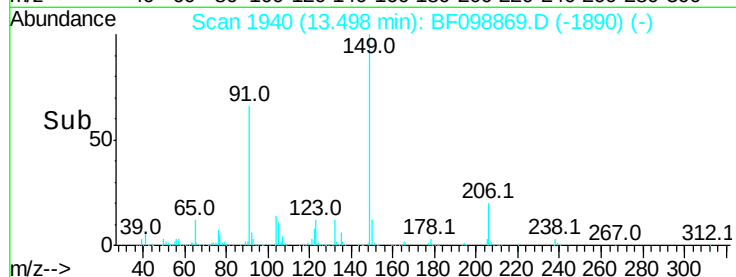
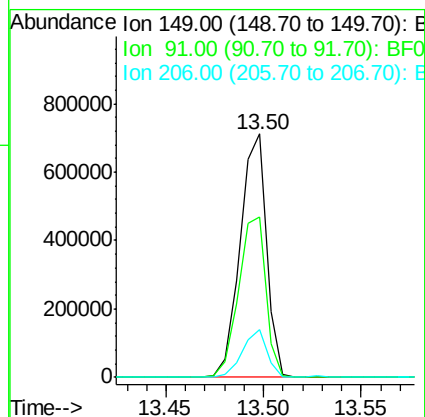
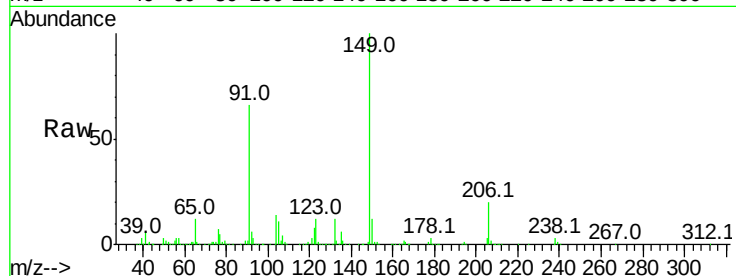
ClientSampleId :

JC-DRUMMSD

Tot Ion:	149	Resp:	668441
Ion Ratio	Lower	Upper	
149	100		
91	65.7	56.8	85.2
206	19.8	14.1	21.1

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#80

Benzo(a)anthracene

Concen: 43.797 ng

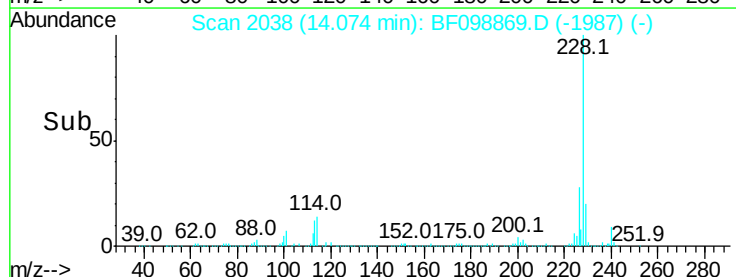
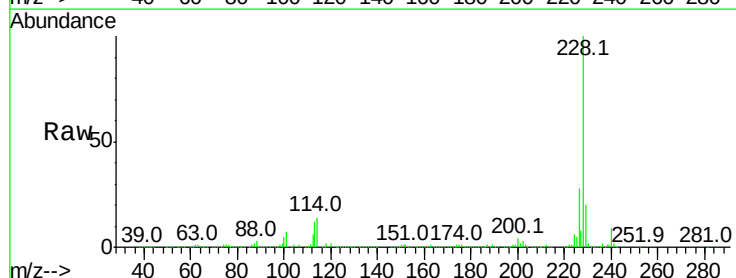
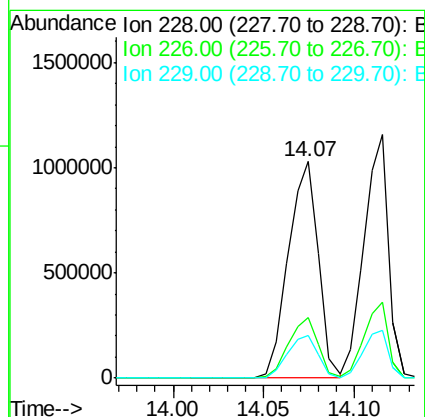
RT: 14.07 min Scan# 2038

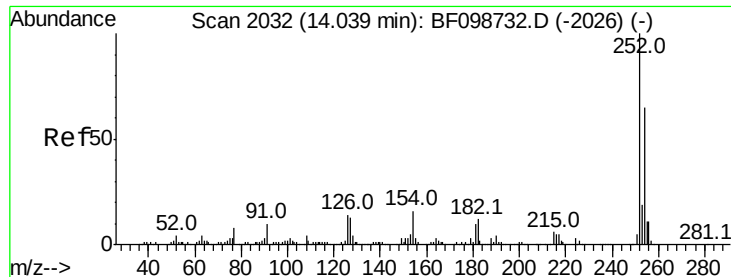
Delta R.T. 0.00 min

Lab File: BF098869.D

Acq: 27 Sep 2017 18:13

Tgt Ion:	228	Resp:	1187181
Ion Ratio	Lower	Upper	
228	100		
226	27.9	22.6	33.8
229	19.7	15.8	23.6





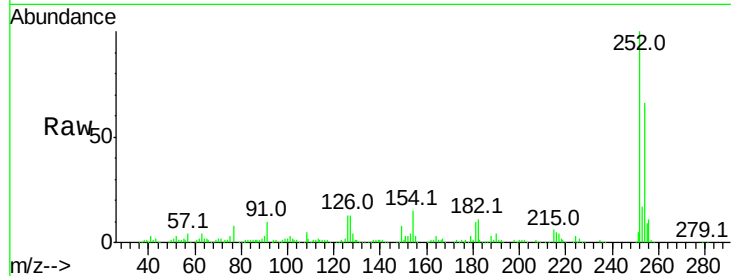
#81
 3,3'-Dichlorobenzidine
 Concen: 22.304 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF098869.D
 Acq: 27 Sep 2017 18:13

Instrument :
 BNA_F
 ClientSampleId :
 JC-DRUMMSD

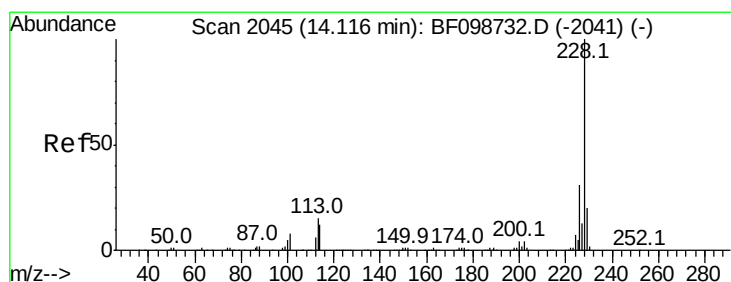
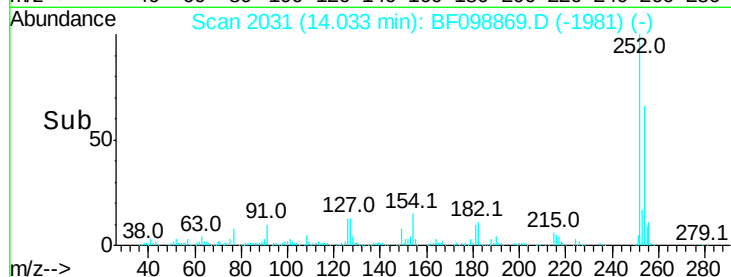
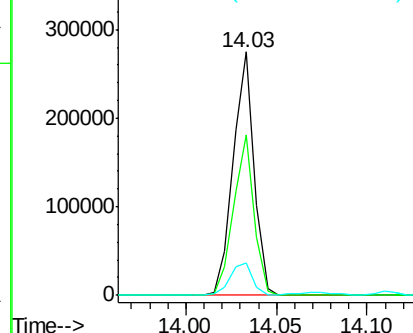
Tot Ion	Ratio	Resp	Lower	Upper
252	100	221632		
254	66.0	50.4	75.6	
126	13.3	11.3	16.9	

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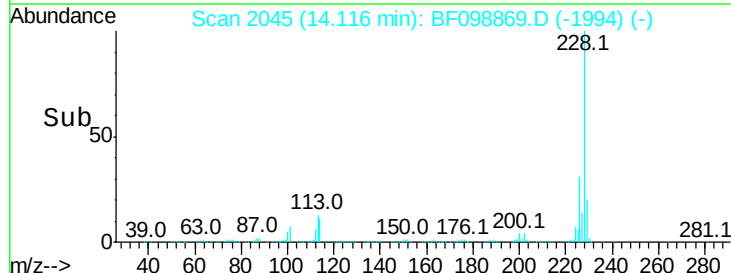
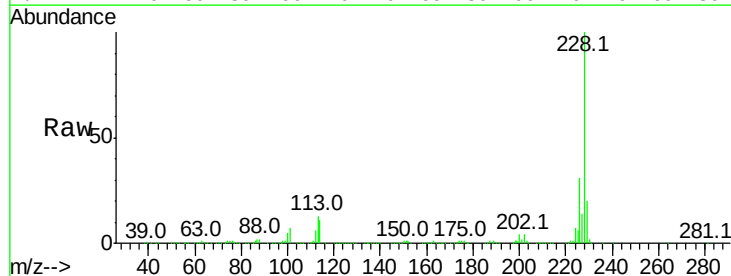
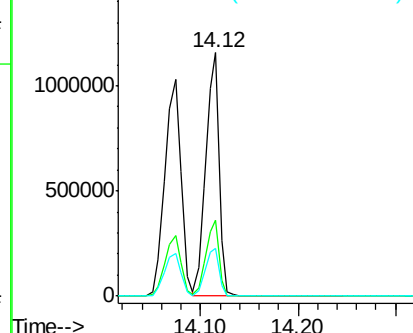
Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

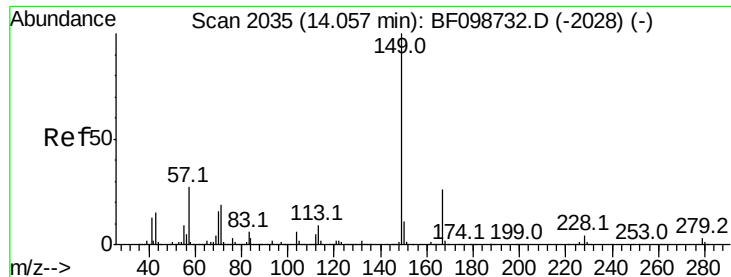


#82
 Chrysene
 Concen: 42.423 ng
 RT: 14.12 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: BF098869.D
 Acq: 27 Sep 2017 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1094795		
226	31.0	25.0	37.6	
229	19.9	16.2	24.4	

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





#83

Bis(2-ethylhexyl)phthalate

Concen: 40.798 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF098869.D

Acq: 27 Sep 2017 18:13

Instrument :

BNA_F

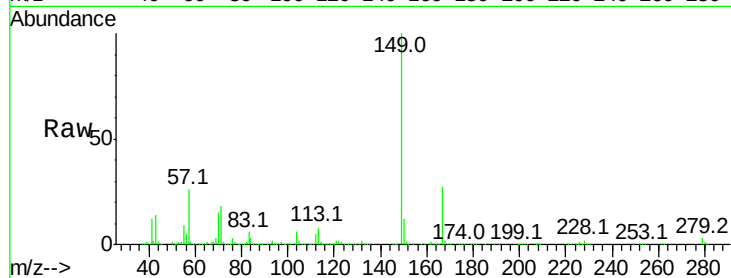
ClientSampleId :

JC-DRUMMSD

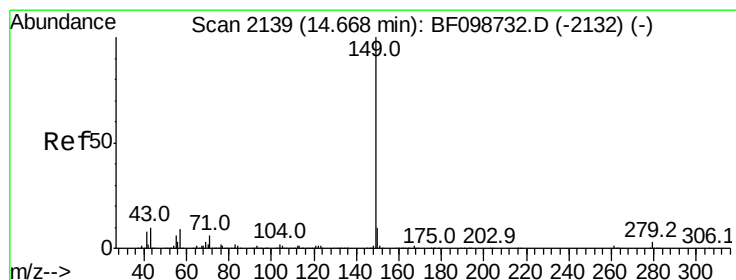
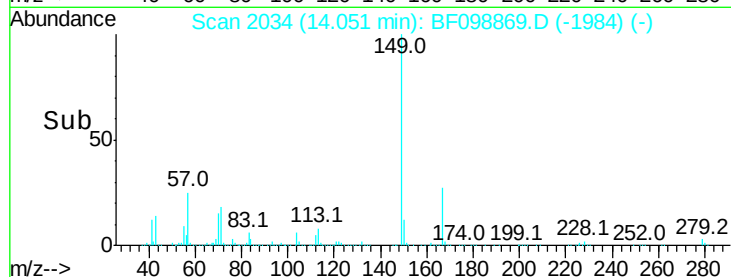
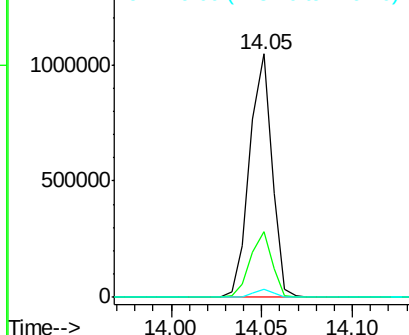
Tot Ion:	149	Resp:	901243
Ion Ratio	Lower	Upper	
149	100		
167	26.9	21.3	31.9
279	3.2	3.0	4.4

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 43.224 ng

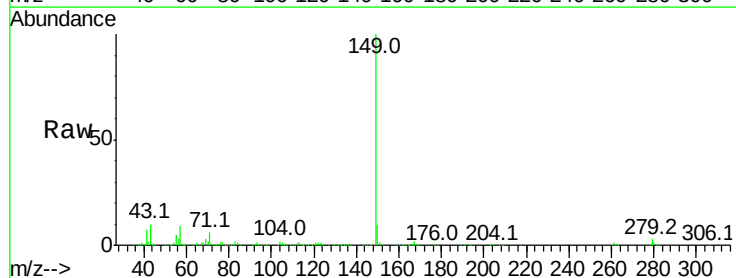
RT: 14.66 min Scan# 2138

Delta R.T. -0.01 min

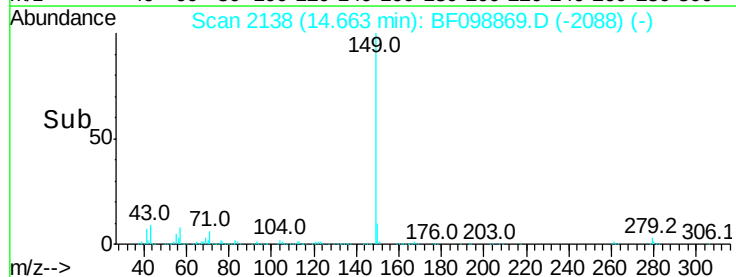
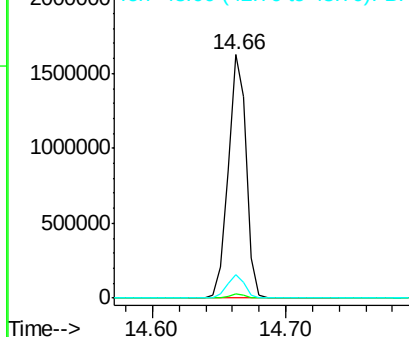
Lab File: BF098869.D

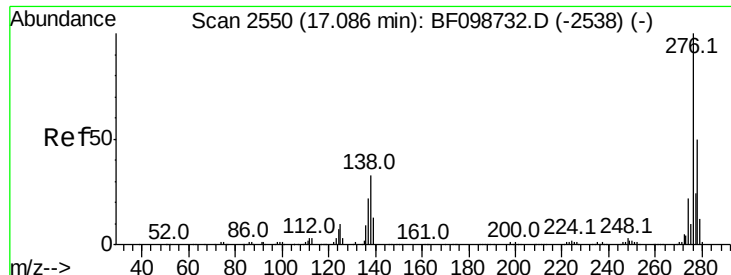
Acq: 27 Sep 2017 18:13

Tgt Ion:	149	Resp:	1537473
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.2	1.8
43	9.3	8.4	12.6



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0





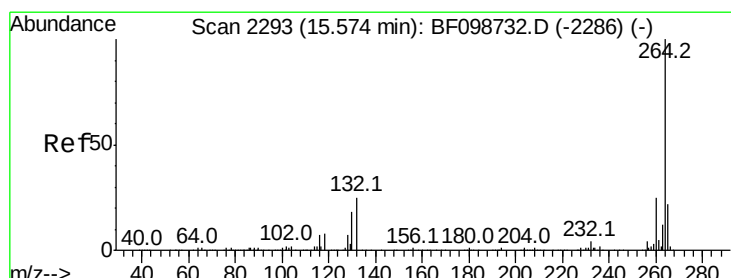
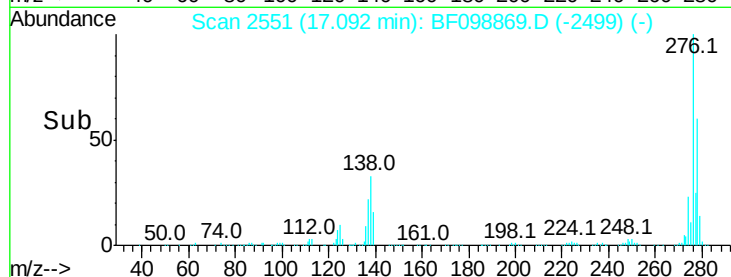
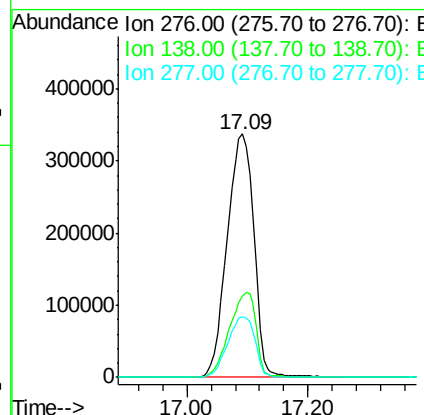
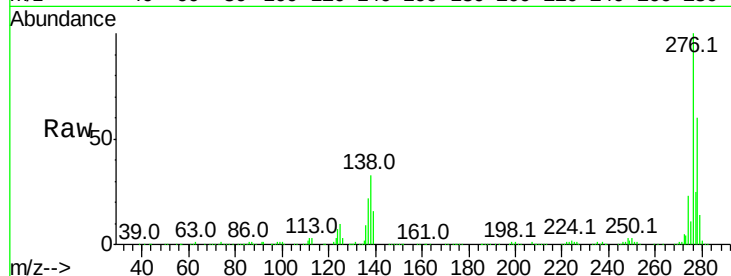
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 50.461 ng
 RT: 17.09 min Scan# 2551
 Delta R.T. 0.01 min
 Lab File: BF098869.D
 Acq: 27 Sep 2017 18:13

Instrument :
 BNA_F
 ClientSampleId :
 JC-DRUMMSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	34.8	25.0	37.6
277	25.4	20.1	30.1

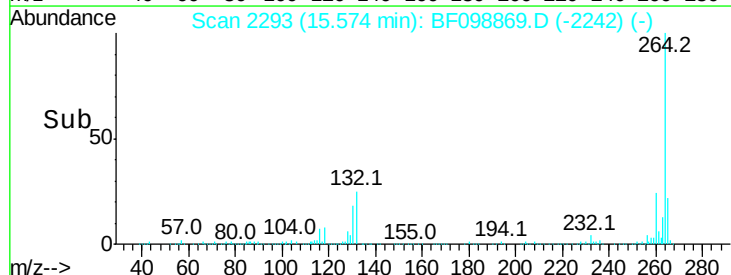
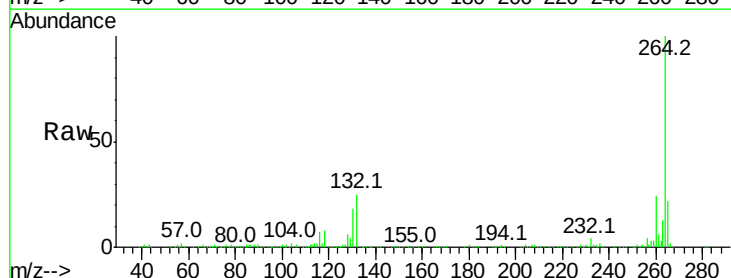
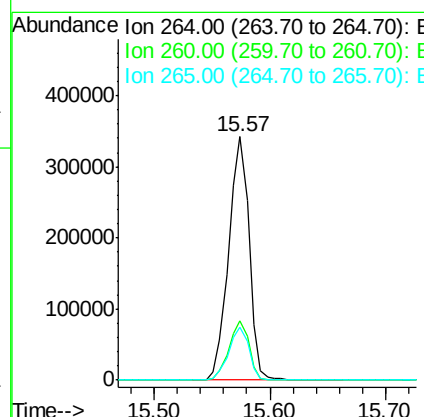
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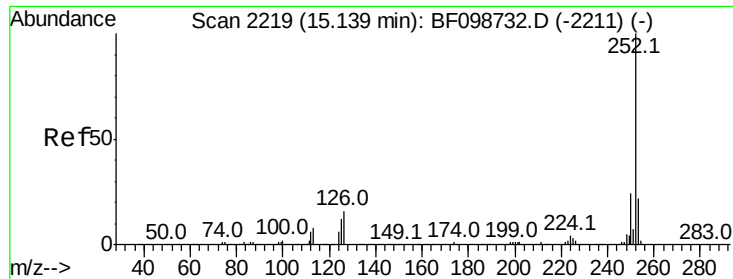
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.57 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: BF098869.D
 Acq: 27 Sep 2017 18:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.5	17.5	26.3





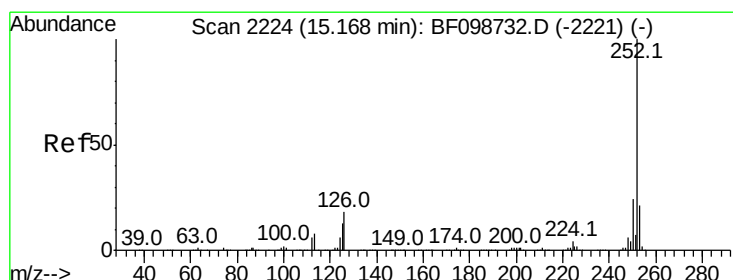
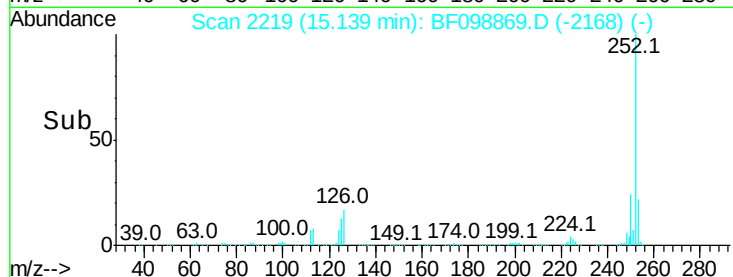
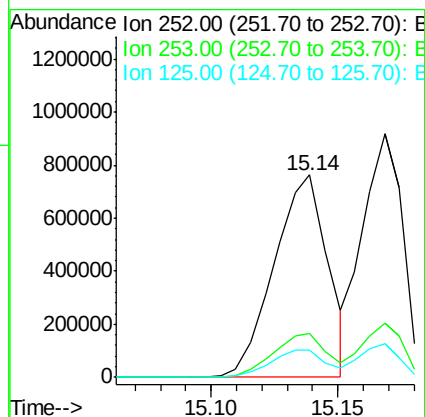
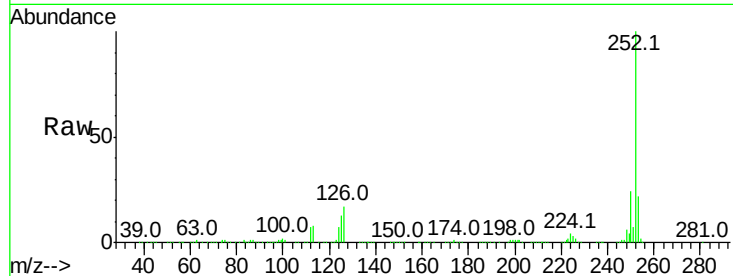
#87
Benzo(b)fluoranthene
Concen: 43.580 ng
RT: 15.14 min Scan# 2219
Delta R.T. 0.00 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Instrument :
BNA_F
ClientSampleId :
JC-DRUMMSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.6
125	13.2	9.0	13.6

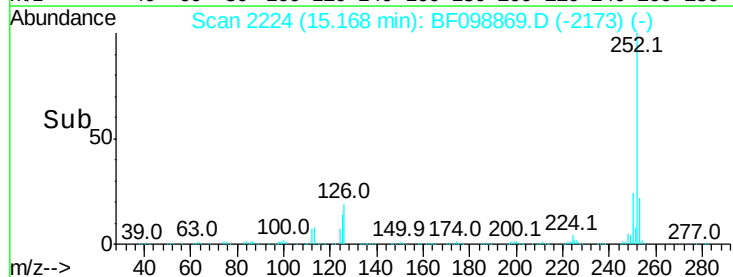
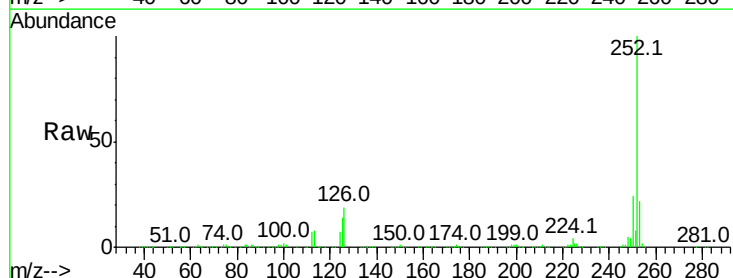
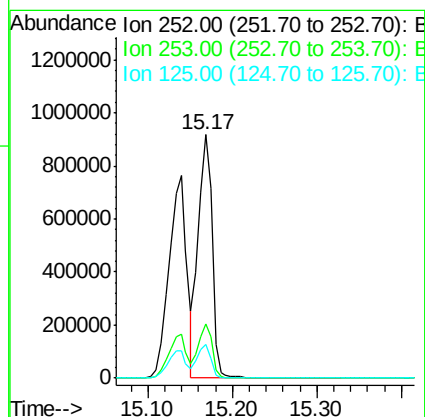
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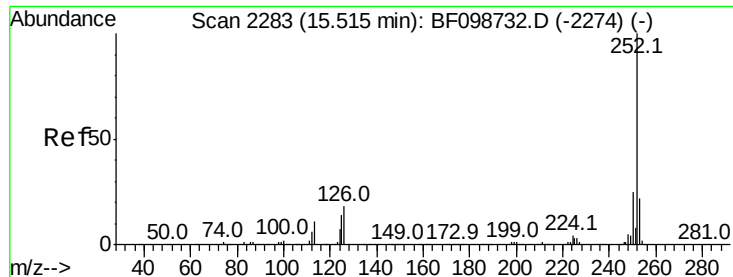
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#88
Benzo(k)fluoranthene
Concen: 40.542 ng
RT: 15.17 min Scan# 2224
Delta R.T. 0.00 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	13.6	10.2	15.2





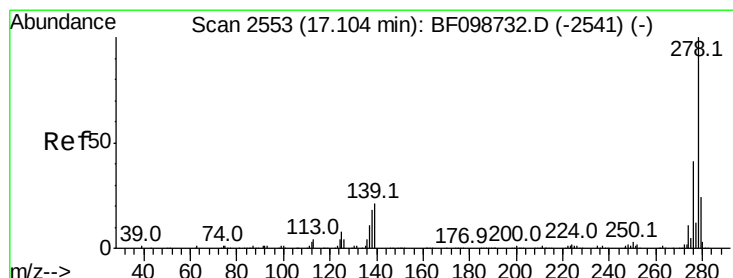
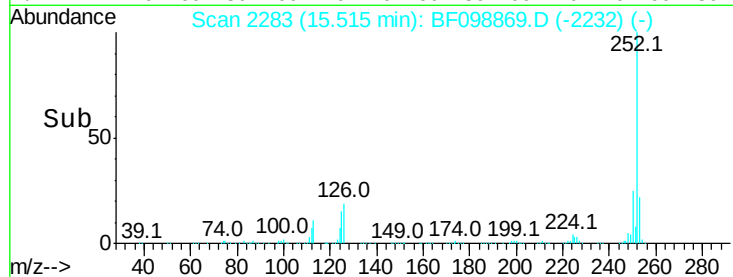
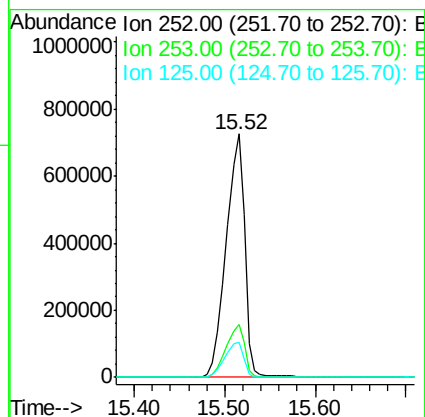
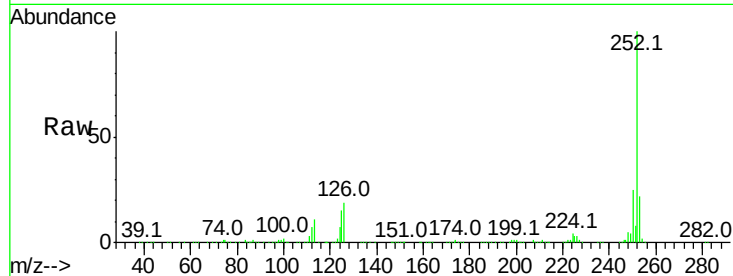
#89
Benzo(a)pyrene
Concen: 43.743 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.00 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Instrument :
BNA_F
ClientSampleId :
JC-DRUMMSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	14.6	9.8	14.6

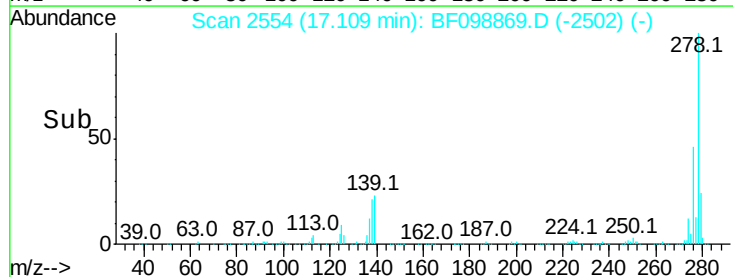
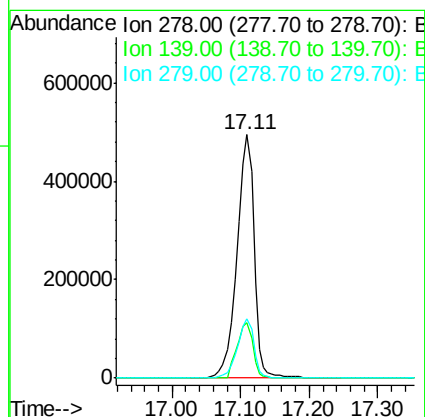
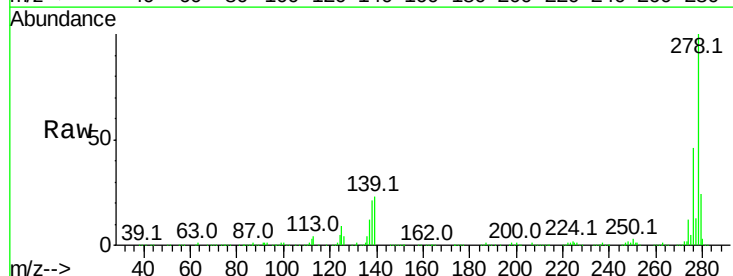
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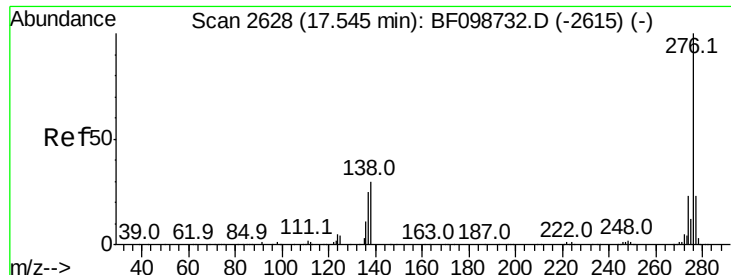
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 45.148 ng
RT: 17.11 min Scan# 2554
Delta R.T. 0.01 min
Lab File: BF098869.D
Acq: 27 Sep 2017 18:13

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.9	15.9	23.9
279	24.2	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 46.094 ng
 RT: 17.55 min Scan# 2629
 Delta R.T. 0.01 min
 Lab File: BF098869.D
 Acq: 27 Sep 2017 18:13

Instrument :
 BNA_F
 ClientSampleId :
 JC-DRUMMSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	17.9	26.9
138	31.2	21.8	32.8

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