

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011717\
 Data File : BF092320.D
 Acq On : 17 Jan 2017 17:06
 Operator : UM/SJ
 Sample : PB96060BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB96060BS

Manual Integrations
 APPROVED

mohammad
 1/18/2017 5:11:25 PM

Quant Time: Jan 18 00:23:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 18 00:11:54 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	182379	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	789877	20.00	ng	0.00
38) Acenaphthene-d10	9.59	164	414869	20.00	ng	0.00
63) Phenanthrene-d10	11.07	188	633538	20.00	ng	0.00
75) Chrysene-d12	13.70	240	435343	20.00	ng	0.00
86) Perylene-d12	15.05	264	382575	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.16	112	1512247	138.45	ng	0.02
7) Phenol-d6	6.23	99	1976537	148.22	ng	0.01
23) Nitrobenzene-d5	7.14	82	1264519	89.02	ng	0.00
41) 2,4,6-Tribromophenol	10.38	330	397885	115.89	ng	0.00
44) 2-Fluorobiphenyl	8.93	172	2154321	110.22	ng	0.01
78) Terphenyl-d14	12.66	244	1880995	104.79	ng	0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.05	88	196127	36.47	ng	96
3) Pyridine	2.67	79	515231	27.45	ng	96
4) n-Nitrosodimethylamine	2.63	42	245906	34.73	ng	95
6) Aniline	6.22	93	179525	10.36	ng	# 84
8) 2-Chlorophenol	6.35	128	522747	42.07	ng	91
9) Benzaldehyde	6.11	77	26322	2.42	ng	99
10) Phenol	6.24	94	570157	37.52	ng	# 63
11) bis(2-Chloroethyl)ether	6.30	93	529336	43.78	ng	99
12) 1,3-Dichlorobenzene	6.48	146	535127	40.35	ng	# 88
13) 1,4-Dichlorobenzene	6.56	146	541731	40.13	ng	99
14) 1,2-Dichlorobenzene	6.72	146	495290	42.28	ng	98
15) Benzyl Alcohol	6.71	79	426700	41.18	ng	96
16) 2,2'-oxybis(1-Chloropropan	6.85	45	733109	40.72	ng	# 41
17) 2-Methylphenol	6.85	107	422911	42.32	ng	# 89
18) Hexachloroethane	7.06	117	205008	40.96	ng	# 87
19) n-Nitroso-di-n-propylamine	6.99	70	384175	43.30	ng	100
20) 3+4-Methylphenols	7.01	107	602339	50.54	ng	# 73
22) Acetophenone	6.98	105	777525	39.91	ng	93
24) Nitrobenzene	7.15	77	560668	37.06	ng	98
25) Isophorone	7.39	82	1070797	40.86	ng	94
26) 2-Nitrophenol	7.47	139	300851	40.32	ng	96
27) 2,4-Dimethylphenol	7.52	122	471533	38.10	ng	99
28) bis(2-Chloroethoxy)methane	7.60	93	669294	42.11	ng	99
29) 2,4-Dichlorophenol	7.72	162	448482	42.80	ng	91
30) 1,2,4-Trichlorobenzene	7.79	180	453576	39.50	ng	94
31) Naphthalene	7.87	128	1540041	42.60	ng	99
32) Benzoic acid	7.68	122	190158	20.72	ng	93
33) 4-Chloroaniline	7.92	127	96297	5.91	ng	97
34) Hexachlorobutadiene	7.98	225	238727	39.39	ng	99
35) Caprolactam	8.31	113	142805m	41.47	ng	
36) 4-Chloro-3-methylphenol	8.44	107	499655	41.44	ng	100
37) 2-Methylnaphthalene	8.55	142	941386	41.93	ng	100
39) 1,2,4,5-Tetrachlorobenzene	8.72	216	433650	41.37	ng	98
40) Hexachlorocyclopentadiene	8.71	237	324785	70.09	ng	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.85	196	284323	38.79	nq	99
43) 2,4,5-Trichlorophenol	8.90	196	269943	35.78	nq	93
45) 1,1'-Biphenyl	9.02	154	1241944	43.72	nq	97
46) 2-Chloronaphthalene	9.04	162	942928	41.92	nq	98
47) 2-Nitroaniline	9.15	65	276050	34.47	nq	96
48) Acenaphthylene	9.46	152	1439564	41.61	nq	98
49) Dimethylphthalate	9.33	163	1110770	41.86	nq	98
50) 2,6-Dinitrotoluene	9.40	165	255868	44.06	nq	88
51) Acenaphthene	9.63	154	925352	39.45	nq	99
52) 3-Nitroaniline	9.56	138	66787	9.29	nq	89
53) 2,4-Dinitrophenol	9.68	184	160769	49.75	nq	# 87
54) Dibenzofuran	9.80	168	1280460	40.42	nq	98
55) 4-Nitrophenol	9.76	139	307015m	62.91	nq	
56) 2,4-Dinitrotoluene	9.81	165	294161	40.35	nq	# 58
57) Fluorene	10.14	166	1009965	43.83	nq	99
58) 2,3,4,6-Tetrachlorophenol	9.92	232	232966	39.05	nq	99
59) Diethylphthalate	10.03	149	1038170	40.29	nq	99
60) 4-Chlorophenyl-phenylether	10.13	204	391284	38.78	nq	96
61) 4-Nitroaniline	10.18	138	235427	31.61	nq	97
62) Azobenzene	10.29	77	1174191	41.39	nq	99
64) 4,6-Dinitro-2-methylphenol	10.21	198	135617	35.40	nq	# 32
65) n-Nitrosodiphenylamine	10.26	169	797367	42.41	nq	99
66) 4-Bromophenyl-phenylether	10.62	248	301886	45.81	nq	# 89
67) Hexachlorobenzene	10.69	284	298773	42.41	nq	# 83
68) Atrazine	10.79	200	250087	41.24	nq	98
69) Pentachlorophenol	10.88	266	219033	63.37	nq	98
70) Phenanthrene	11.09	178	1359601	39.58	nq	99
71) Anthracene	11.15	178	1509844	52.60	nq	98
72) Carbazole	11.31	167	1359165	51.18	nq	99
73) Di-n-butylphthalate	11.65	149	1654265	51.40	nq	# 96
74) Fluoranthene	12.27	202	1379937	45.86	nq	99
76) Benzidine	12.41	184	441795	38.53	nq	97
77) Pyrene	12.50	202	1360581	42.60	nq	99
79) Butylbenzylphthalate	13.13	149	677042	46.61	nq	94
80) Benzo(a)anthracene	13.69	228	1130965	46.02	nq	99
81) 3,3'-Dichlorobenzidine	13.65	252	139425	14.96	nq	98
82) Chrysene	13.72	228	1019629m	41.36	nq	
83) Bis(2-ethylhexyl)phthalate	13.70	149	912383	53.33	nq	# 98
84) Di-n-octyl phthalate	14.30	149	1483374	46.81	nq	100
85) Indeno(1,2,3-cd)pyrene	16.27	276	932923	43.69	nq	99
87) Benzo(b)fluoranthene	14.69	252	1261818m	52.98	nq	
88) Benzo(k)fluoranthene	14.71	252	657402m	32.37	nq	
89) Benzo(a)pyrene	14.99	252	882995	41.77	nq	# 98
90) Dibenzo(a,h)anthracene	16.28	278	764292	43.98	nq	96
91) Benzo(g,h,i)perylene	16.63	276	804573	44.53	nq	98

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

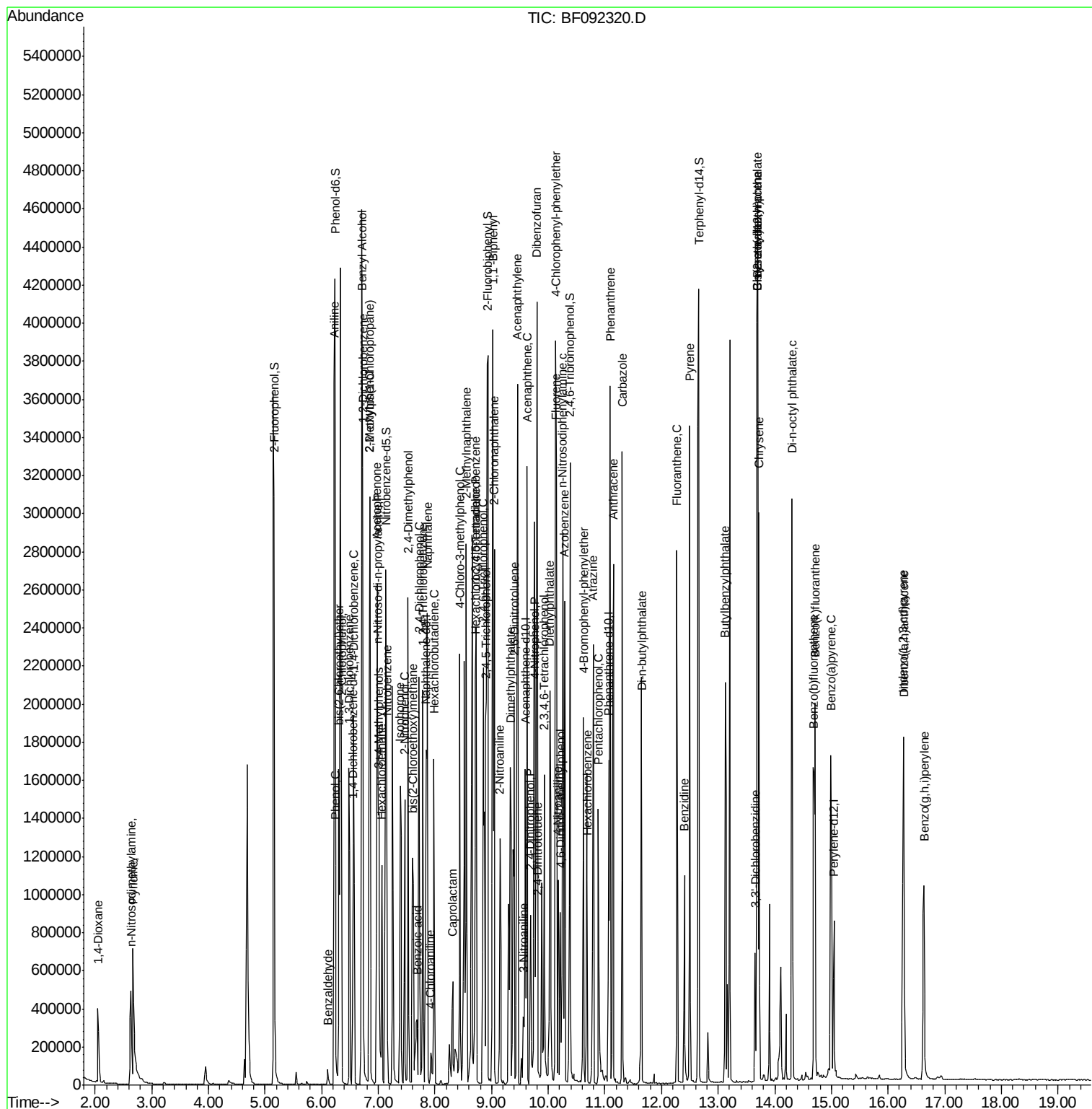
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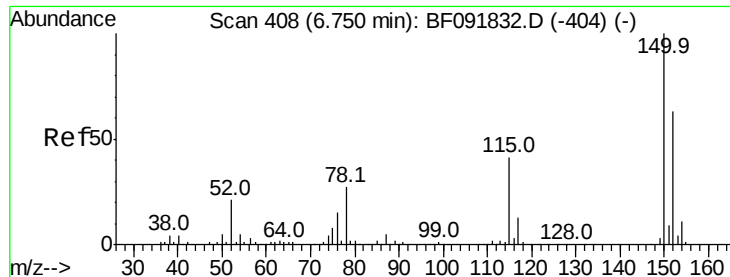
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.55 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF092320.D

Acq: 17 Jan 2017 17:06

Instrument :

BNA_F

ClientSampleId :

PB96060BS

Tot Ion:152 Resp: 182379

Ion Ratio Lower Upper

152 100

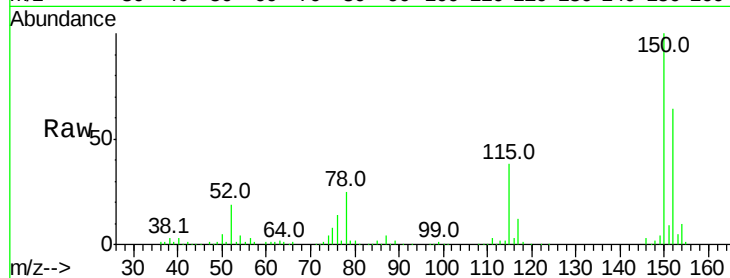
150 155.9 124.9 187.3

115 58.5 46.0 69.0

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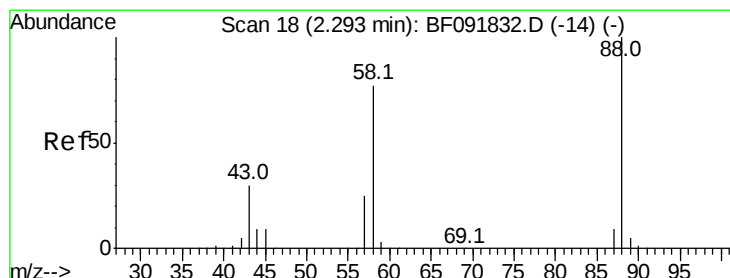
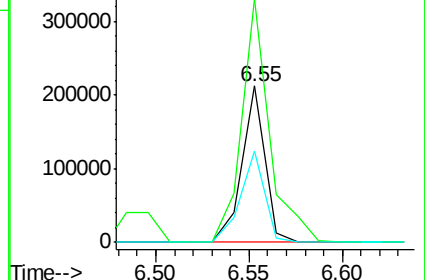
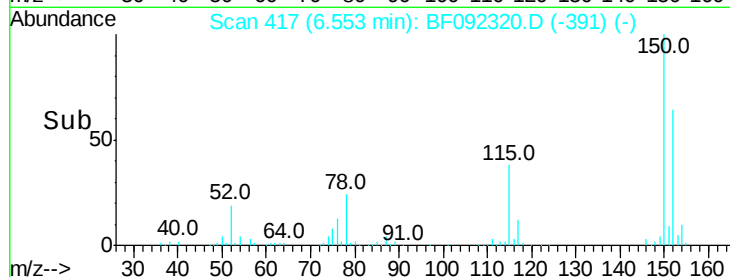
1/18/2017 5:11:25 PM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 36.47 ng

RT: 2.05 min Scan# 23

Delta R.T. 0.10 min

Lab File: BF092320.D

Acq: 17 Jan 2017 17:06

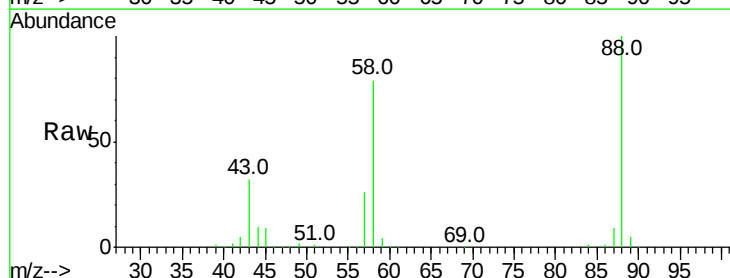
Tgt Ion: 88 Resp: 196127

Ion Ratio Lower Upper

88 100

58 73.8 57.8 86.8

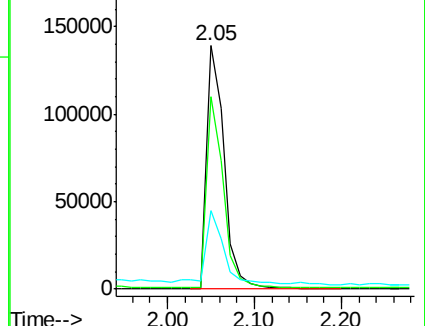
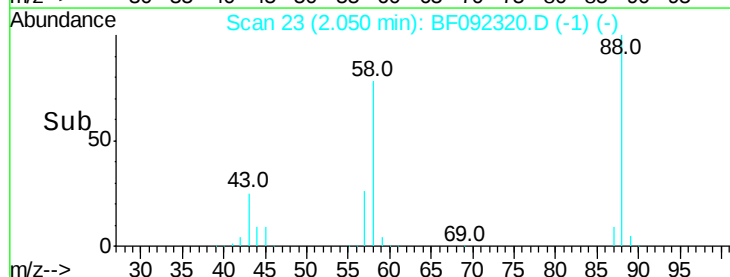
43 32.6 22.3 33.5

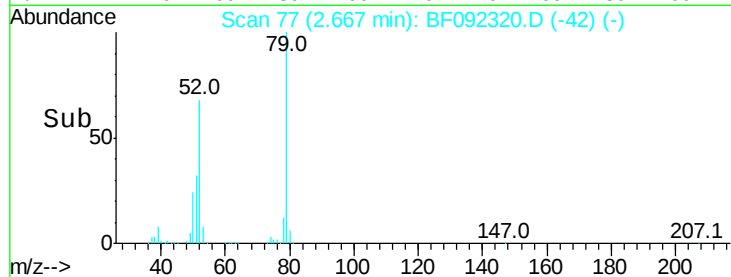
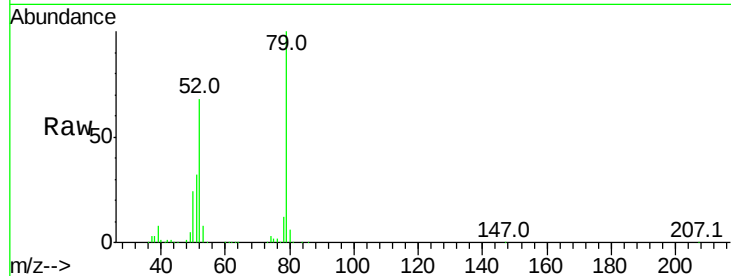
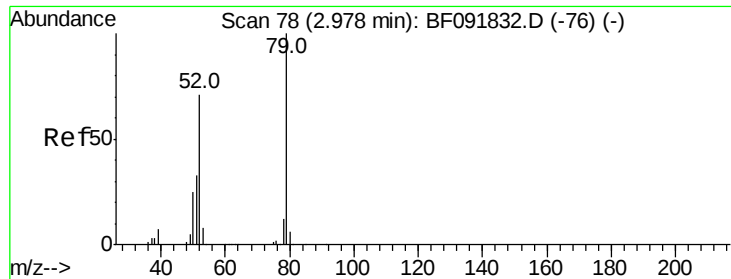


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





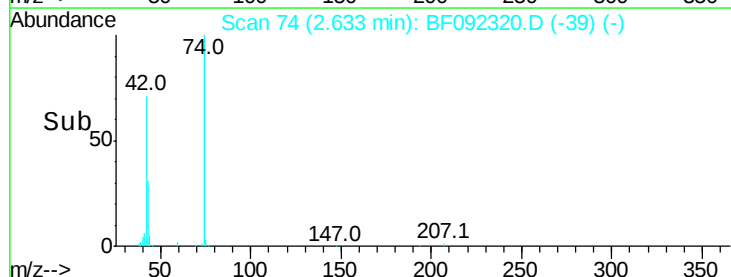
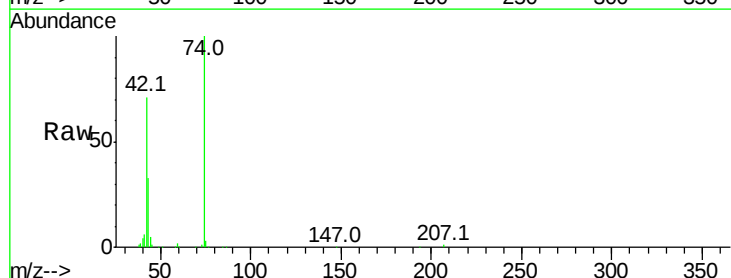
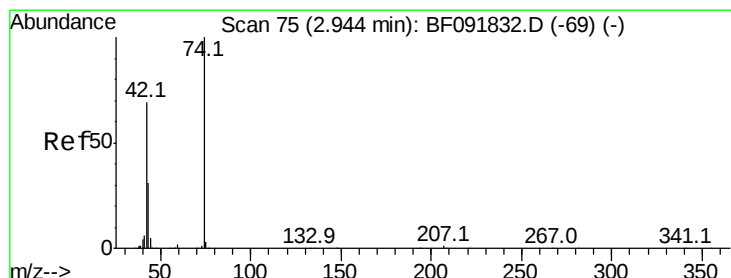
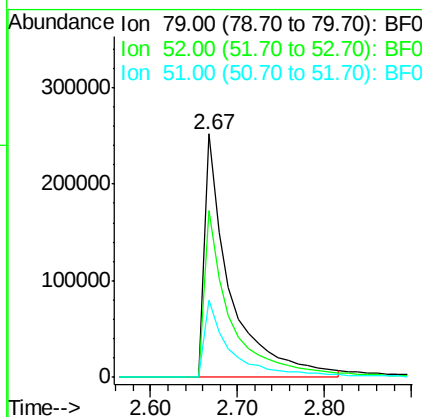
#3
Pvridine
Concen: 27.45 ng
RT: 2.67 min Scan# 77
Delta R.T. 0.10 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Tot Ion	Ratio	Lower	Upper
79	100		
52	68.4	57.1	85.7
51	31.9	27.3	40.9

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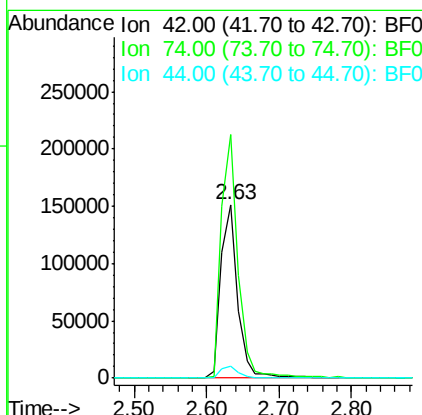
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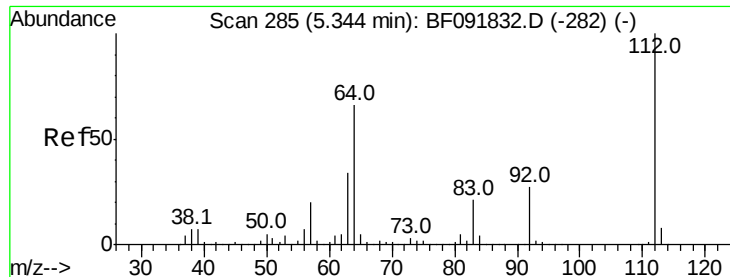
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#4
n-Nitrosodimethylamine
Concen: 34.73 ng
RT: 2.63 min Scan# 74
Delta R.T. 0.10 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Tgt Ion	Ratio	Lower	Upper
42	100		
74	140.3	117.0	175.4
44	7.1	5.5	8.3





#5

2-Fluorophenol

Concen: 138.45 ng

RT: 5.16 min Scan# 295

Delta R.T. 0.02 min

Lab File: BF092320.D

Acq: 17 Jan 2017 17:06

Instrument :

BNA_F

ClientSampleId :

PB96060BS

Tot Ion:112 Resp: 1512247

Ion Ratio Lower Upper

112 100

64 51.6 46.1 69.1

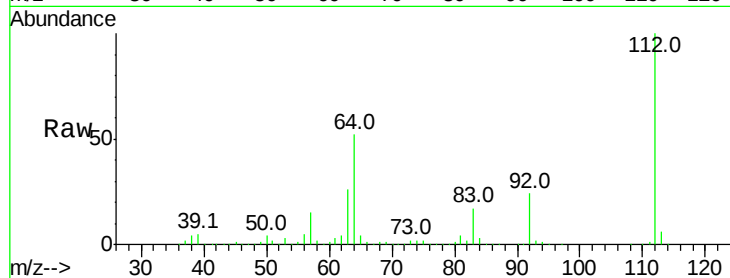
63 25.7 23.8 35.6

Manual Integrations

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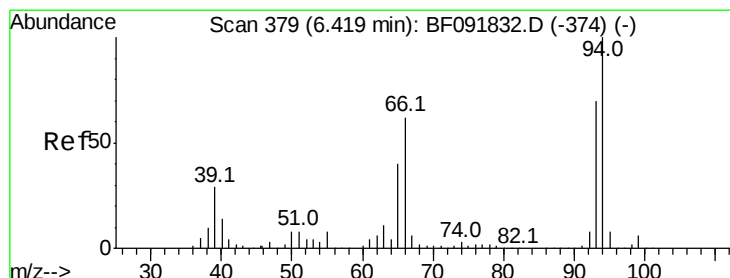
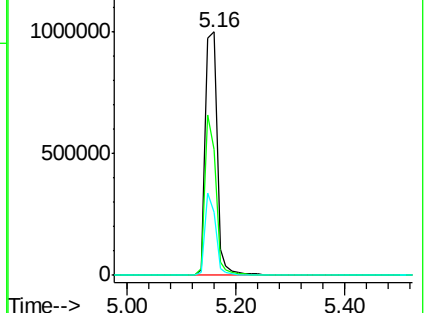
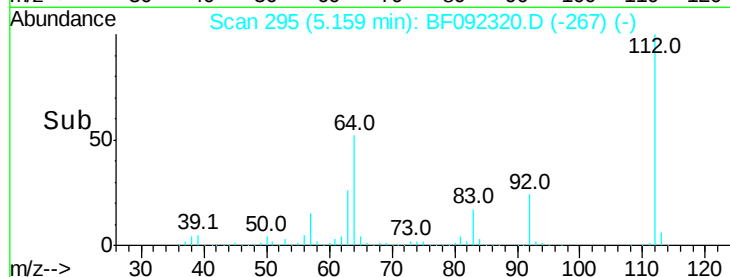
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 10.36 ng

RT: 6.22 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF092320.D

Acq: 17 Jan 2017 17:06

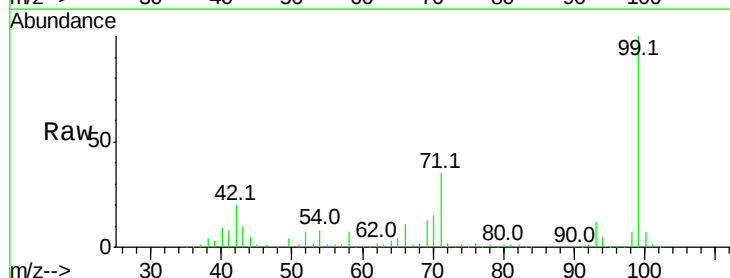
Tgt Ion: 93 Resp: 179525

Ion Ratio Lower Upper

93 100

66 89.3 76.2 114.2

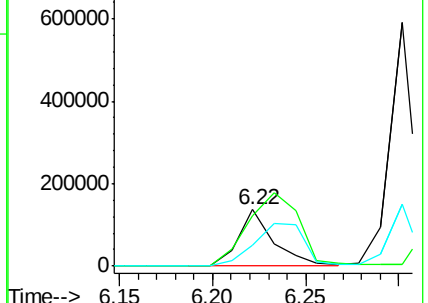
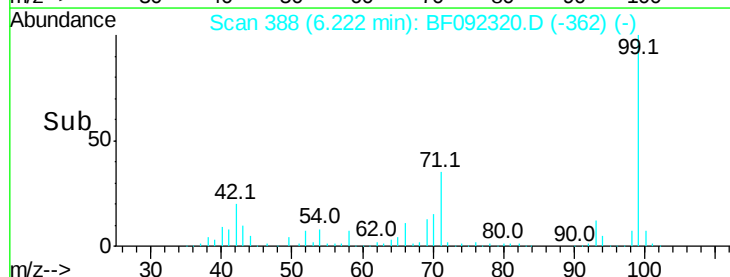
65 36.7 49.3 73.9#

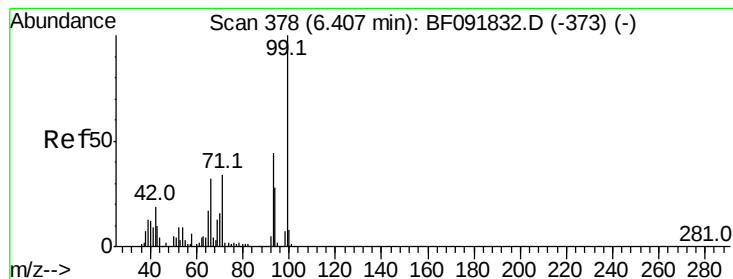


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 148.22 ng

RT: 6.23 min Scan# 389

Delta R.T. 0.01 min

Lab File: BF092320.D

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Instrument :

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Tot Ion: 99 Resp: 1976537

Ion Ratio Lower Upper

99 100

42 16.1 15.6 23.4

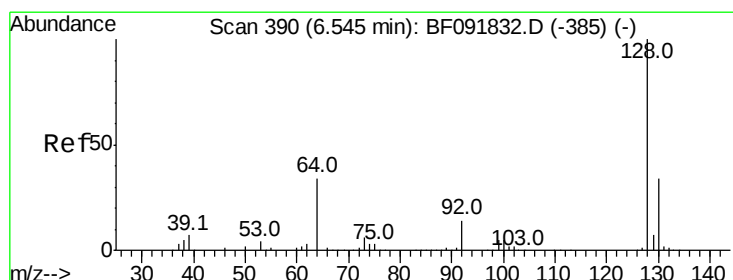
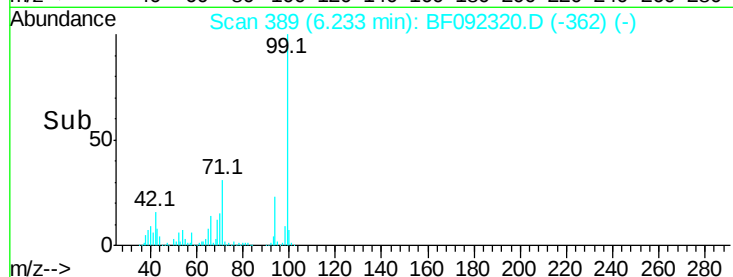
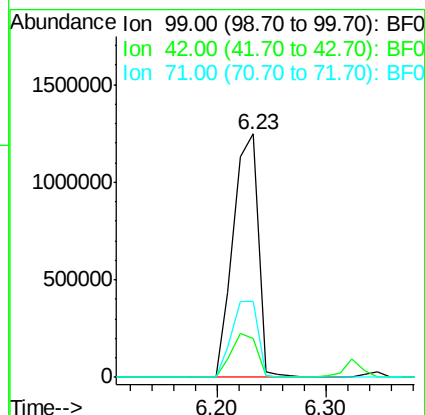
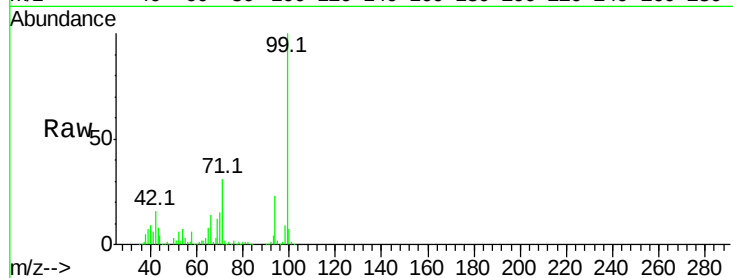
71 31.0 27.5 41.3

Manual Integrations

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#8

2-Chlorophenol

Concen: 42.07 ng

RT: 6.35 min Scan# 399

Delta R.T. 0.00 min

Lab File: BF092320.D

Acq: 17 Jan 2017 17:06

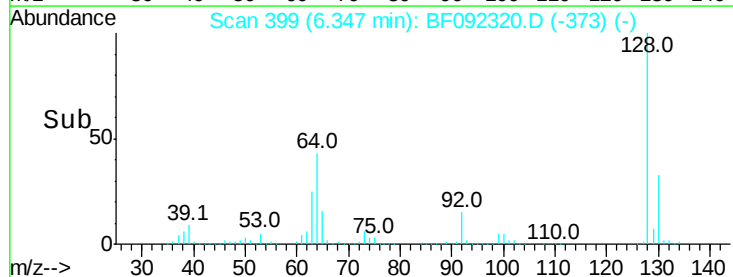
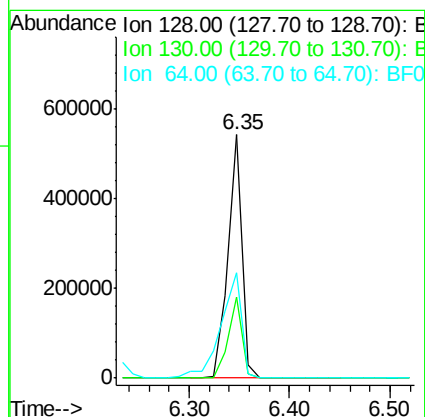
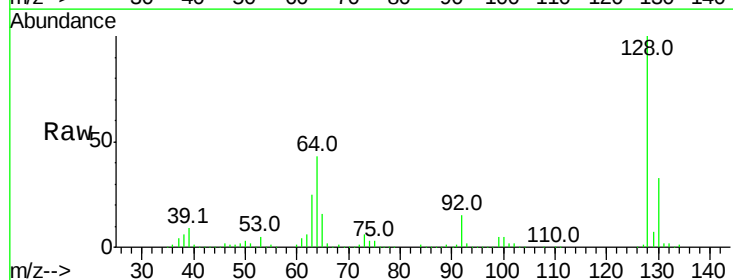
Tgt Ion: 128 Resp: 522747

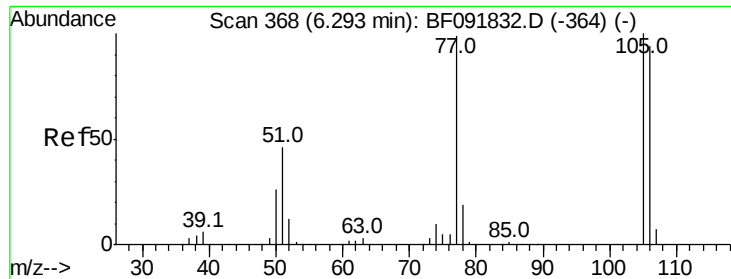
Ion Ratio Lower Upper

128 100

130 33.1 12.3 52.3

64 43.2 32.2 72.2





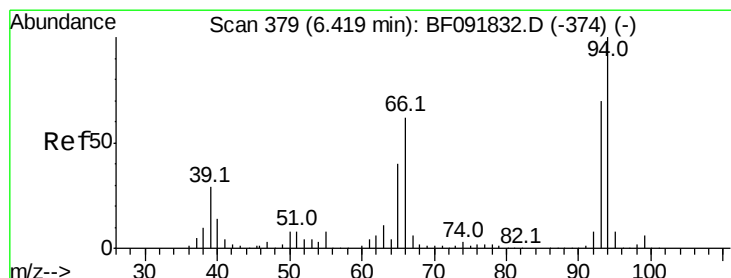
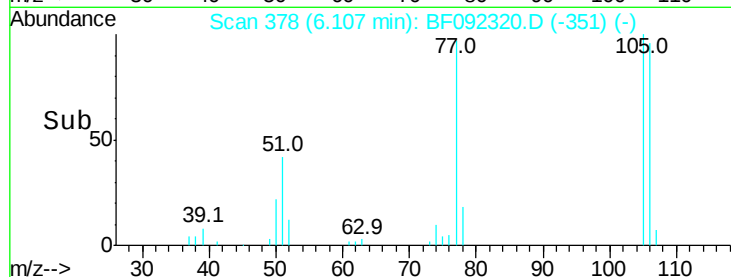
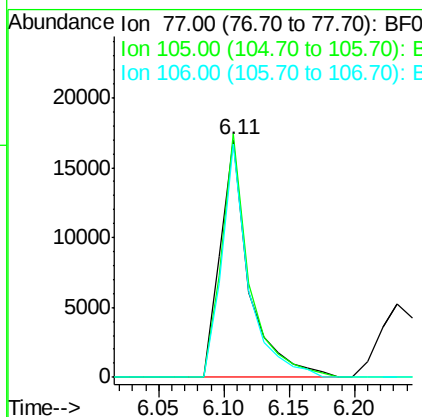
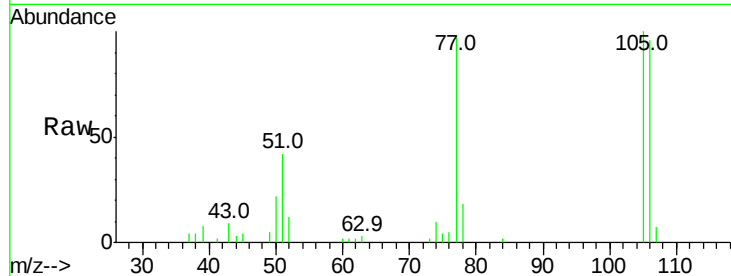
#9
Benzaldehyde
Concen: 2.42 ng
RT: 6.11 min Scan# 378
Delta R.T. 0.01 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Instrument :
BNA_F
ClientSampleId :
PB96060BS

Tot Ion: 77 Resp: 26322
Ion Ratio Lower Upper
77 100
105 102.6 83.9 123.9
106 98.2 77.6 117.6

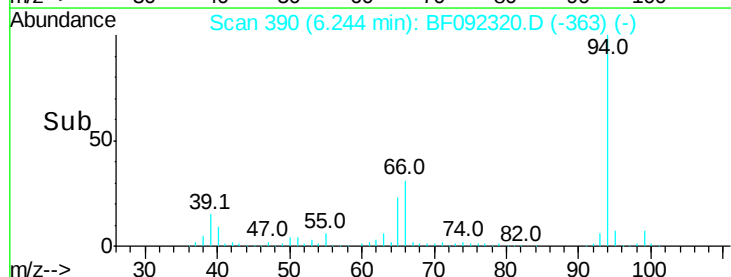
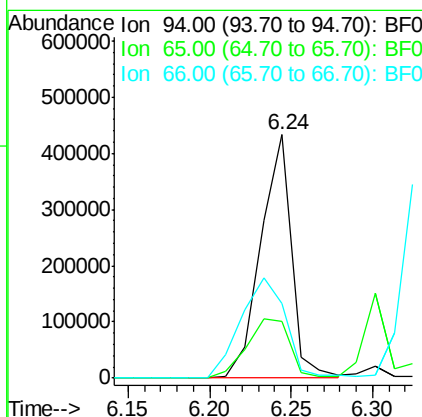
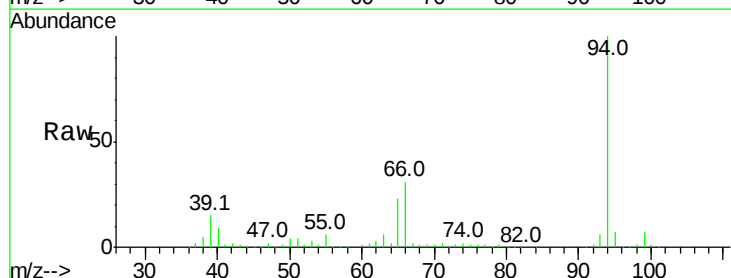
Manual Integrations
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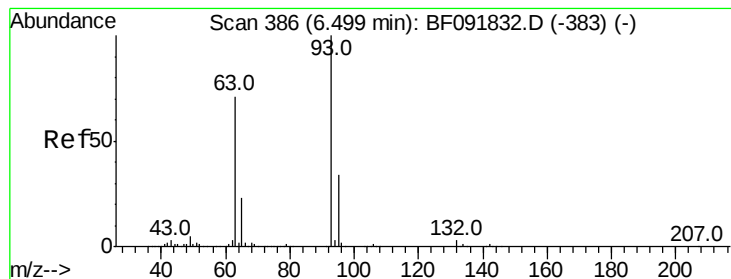
mohammad
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#10
Phenol
Concen: 37.52 ng
RT: 6.24 min Scan# 390
Delta R.T. 0.01 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Tgt Ion: 94 Resp: 570157
Ion Ratio Lower Upper
94 100
65 23.1 21.4 61.4
66 30.8 44.0 84.0#





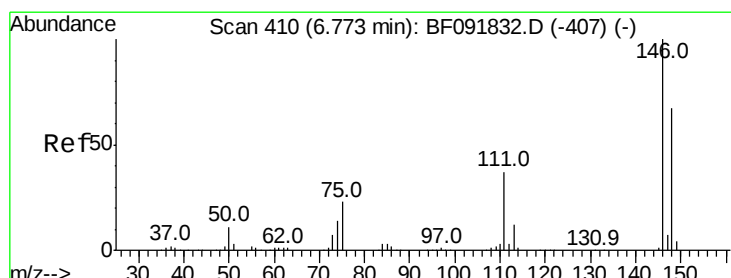
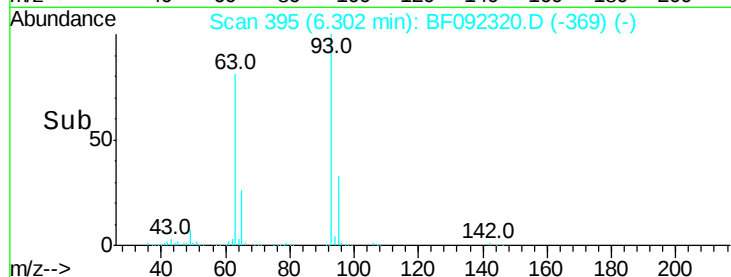
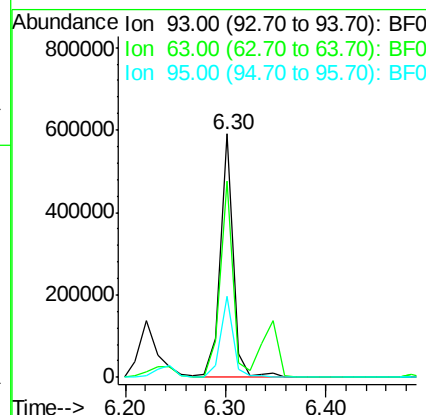
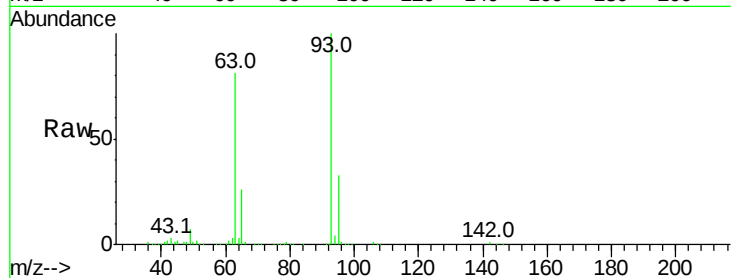
#11
bis(2-Chloroethyl)ether
Concen: 43.78 ng
RT: 6.30 min Scan# 395
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Instrument :
BNA_F
ClientSampleId :
PB96060BS

Tot Ion	Ratio	Resp	Lower	Upper
93	100	529336		
63	80.8	60.4	100.4	
95	33.3	12.8	52.8	

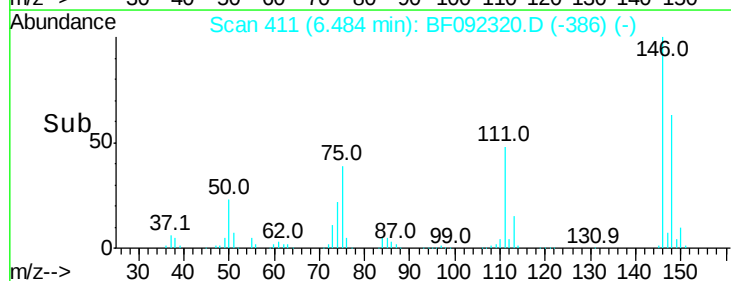
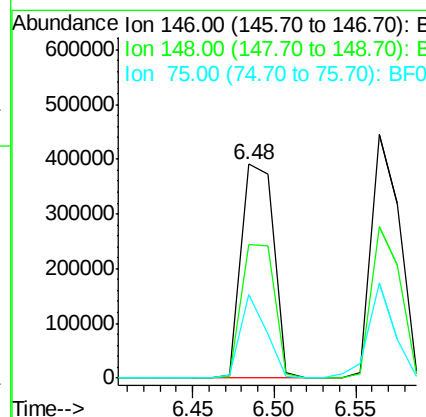
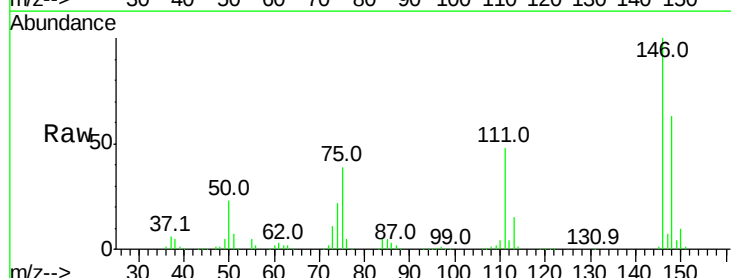
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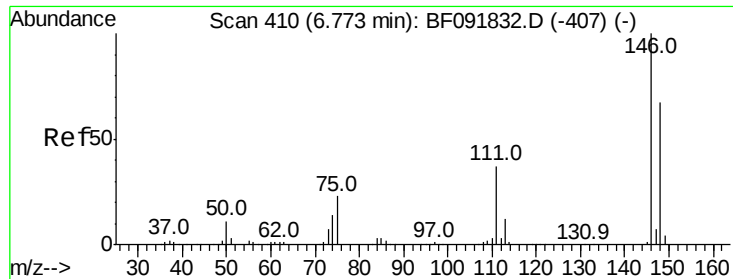
mohammad
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#12
1,3-Dichlorobenzene
Concen: 40.35 ng
RT: 6.48 min Scan# 411
Delta R.T. -0.01 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	535127		
148	62.8	53.4	80.0	
75	39.3	18.5	27.7#	





#13

1,4-Dichlorobenzene

Concen: 40.13 ng

RT: 6.56 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF092320.D

Acq: 17 Jan 2017 17:06

Instrument :

BNA_F

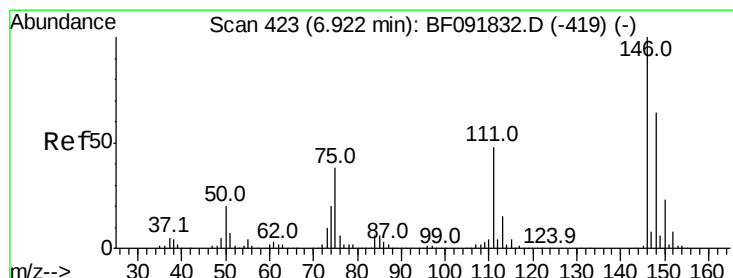
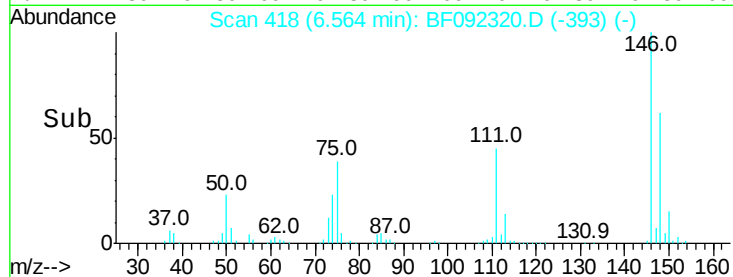
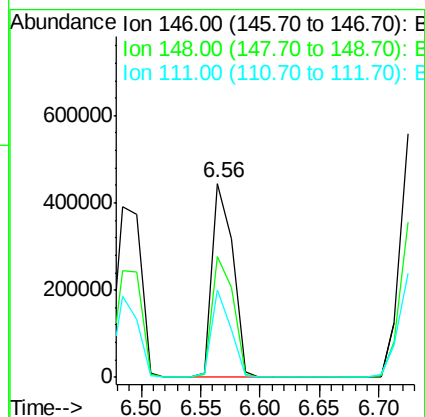
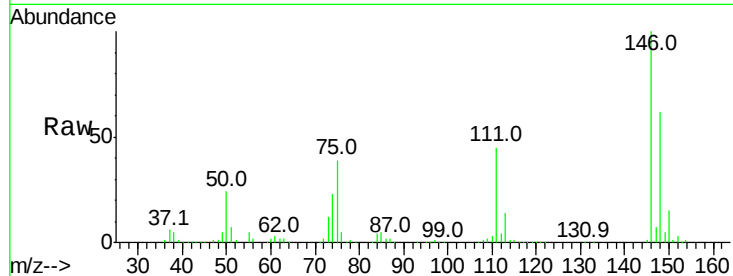
ClientSampleId :

PB96060BS

Tot Ion:	146	Resp:	541731
Ion Ratio	Lower	Upper	
146	100		
148	62.3	50.6	76.0
111	45.0	36.2	54.4

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 42.28 ng

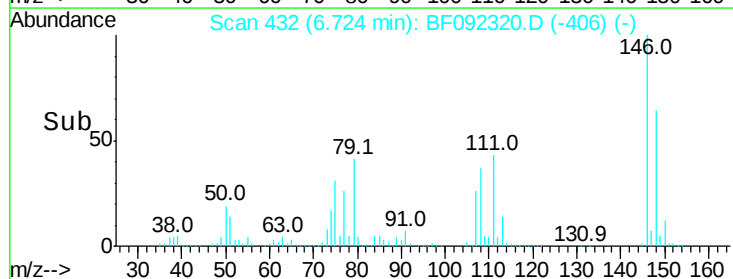
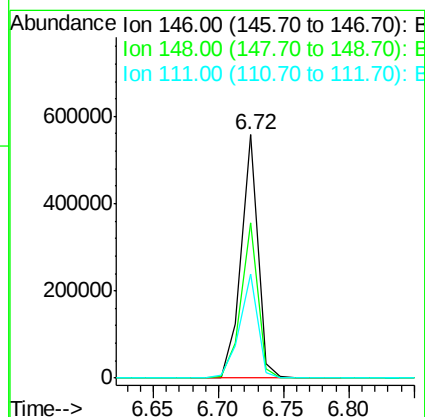
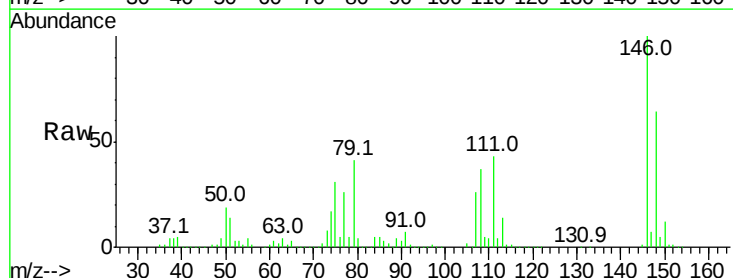
RT: 6.72 min Scan# 432

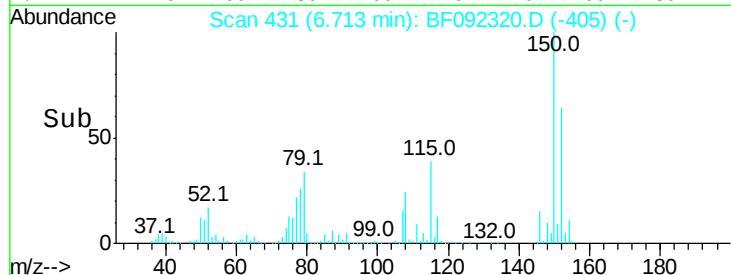
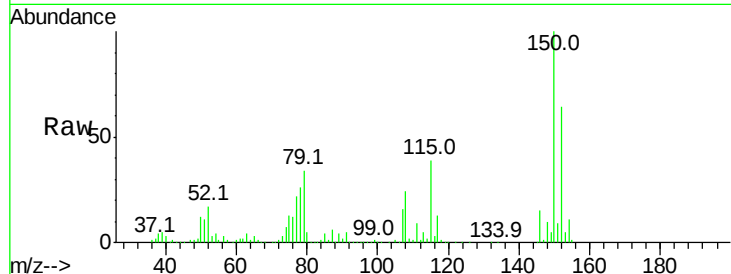
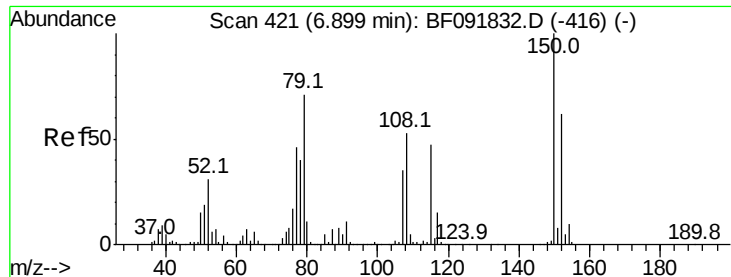
Delta R.T. 0.00 min

Lab File: BF092320.D

Acq: 17 Jan 2017 17:06

Tgt Ion:	146	Resp:	495290
Ion Ratio	Lower	Upper	
146	100		
148	63.9	52.2	78.2
111	42.9	36.2	54.2





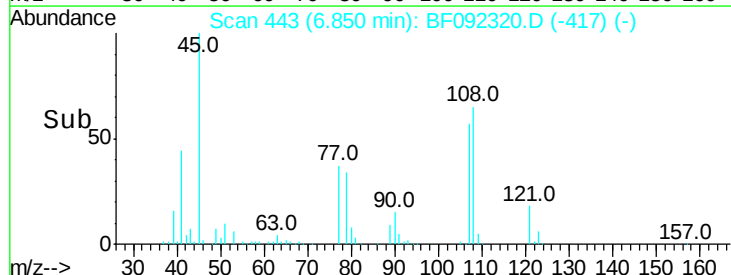
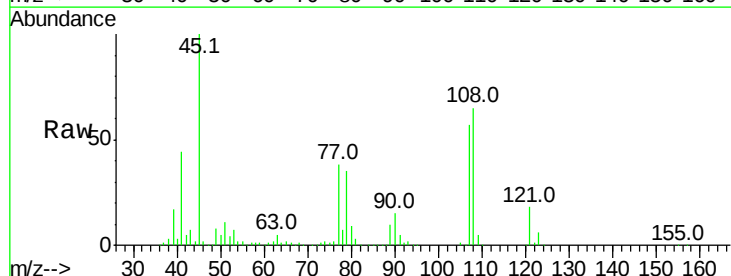
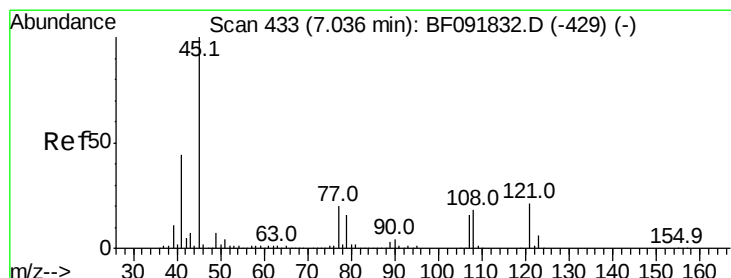
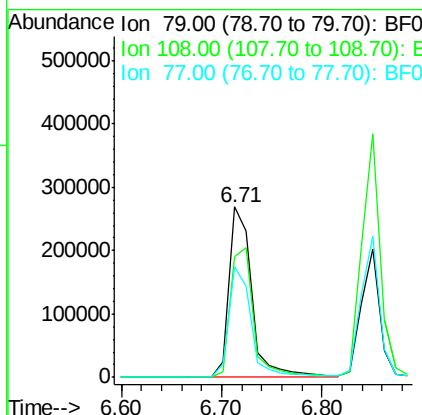
#15
Benzyl Alcohol
Concen: 41.18 ng
RT: 6.71 min Scan# 431
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
108	70.9	61.4	92.0	
77	64.8	50.9	76.3	

Instrument :
BNA_F
ClientSampled :
PB96060BS

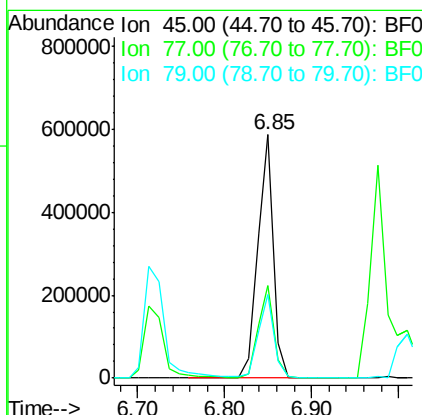
Manual Integrations
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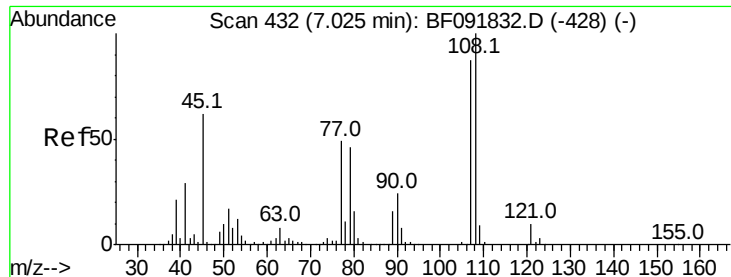
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.72 ng
RT: 6.85 min Scan# 443
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
45	100			
77	38.0	0.0	34.6#	
79	34.6	0.0	31.2#	





#17

2-Methylphenol

Concen: 42.32 ng

RT: 6.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: BF092320.D

Acq: 17 Jan 2017 17:06

Instrument :

BNA_F

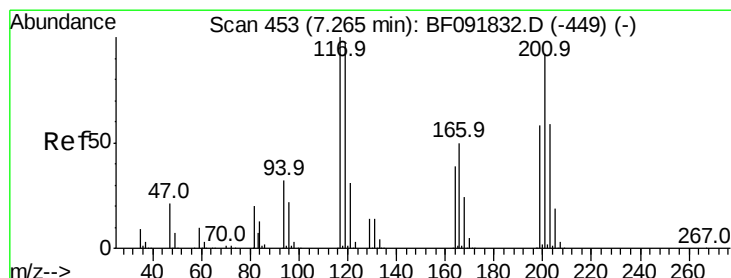
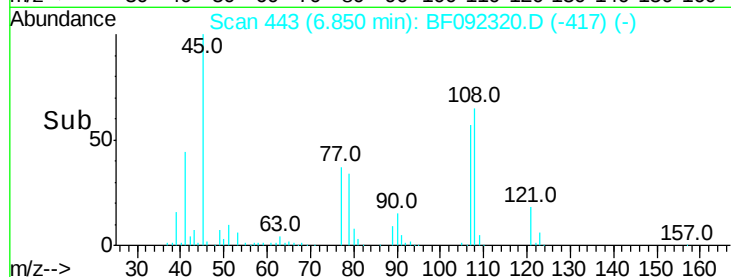
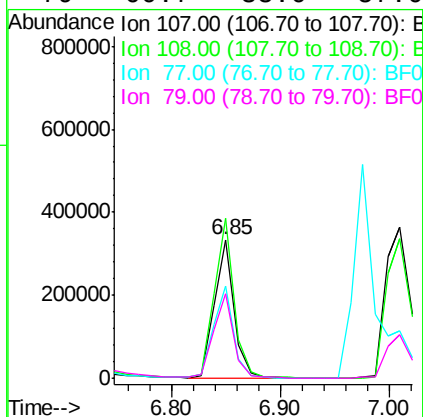
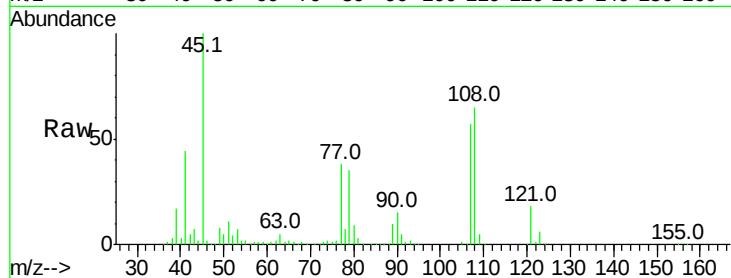
ClientSampleId :

PB96060BS

Tot Ion	Ratio	Resp	Lower	Upper
107	100	422911		
108	114.9	93.0	139.6	
77	66.8	39.8	59.8	
79	60.7	38.0	57.0	

Manual Integrations
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#18

Hexachloroethane

Concen: 40.96 ng

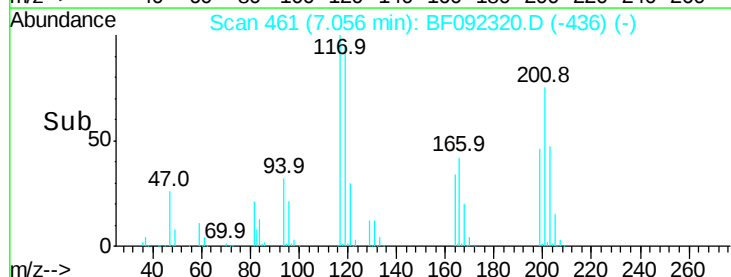
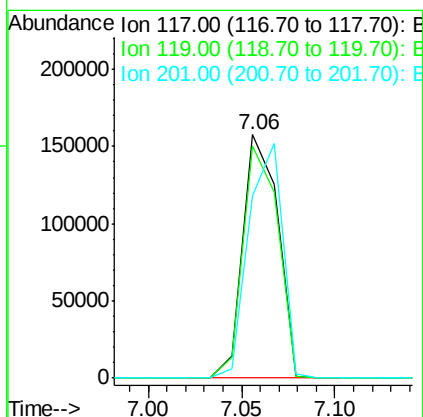
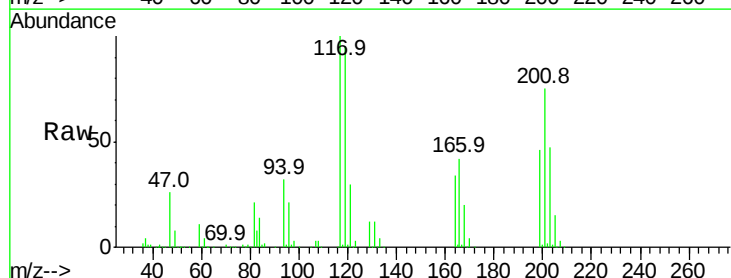
RT: 7.06 min Scan# 461

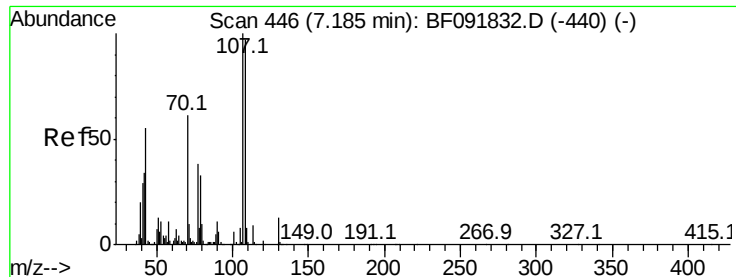
Delta R.T. -0.01 min

Lab File: BF092320.D

Acq: 17 Jan 2017 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	205008		
119	95.1	78.1	117.1	
201	74.7	78.6	117.8	





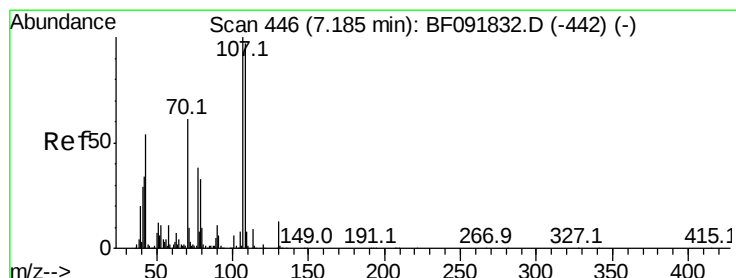
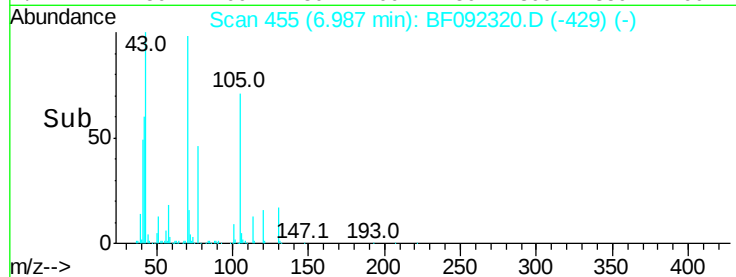
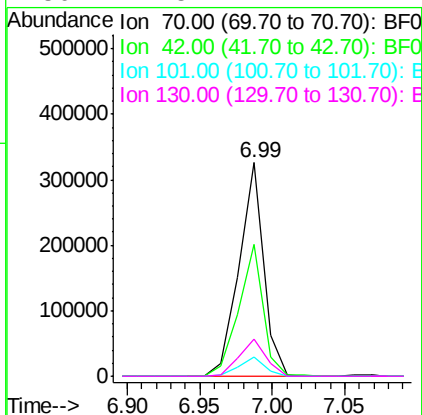
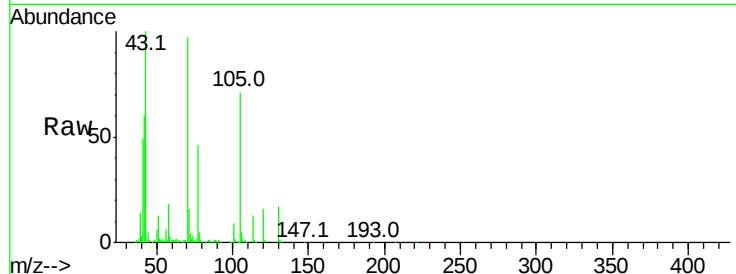
#19
n-Nitroso-di-n-propylamine
Concen: 43.30 ng
RT: 6.99 min Scan# 455
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Instrument :
BNA_F
ClientSampleId :
PB96060BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	61.5	49.4	74.0		
101	8.8	7.4	11.2		
130	17.5	14.2	21.4		

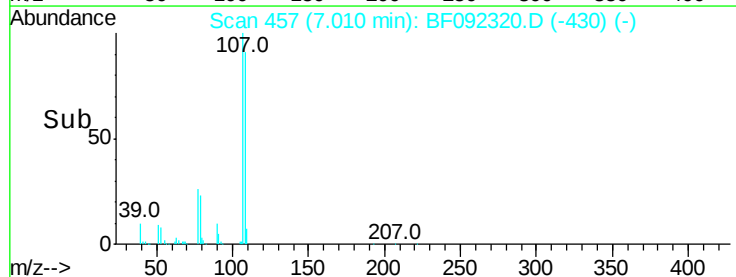
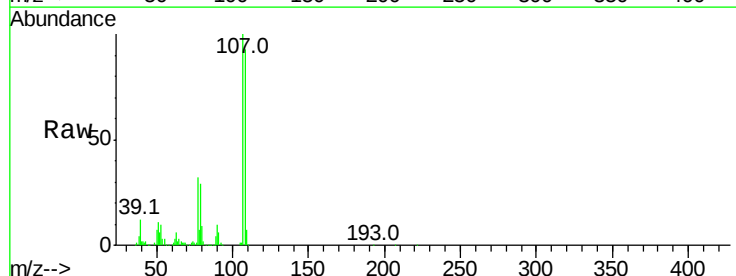
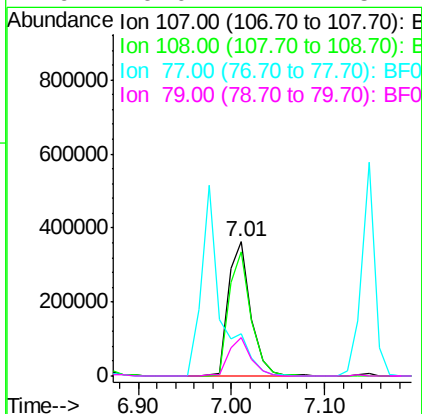
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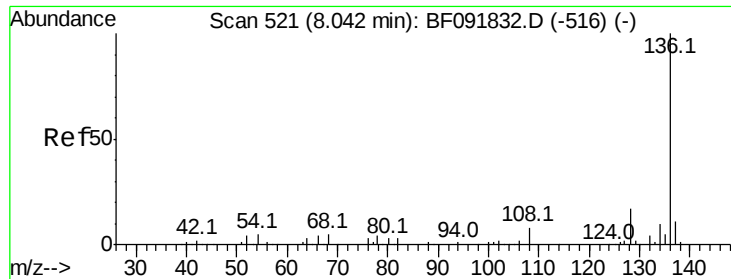
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#20
3+4-Methylphenols
Concen: 50.54 ng
RT: 7.01 min Scan# 457
Delta R.T. 0.01 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	92.6	73.0	113.0		
77	31.7	71.3	111.3#		
79	29.0	11.1	51.1		





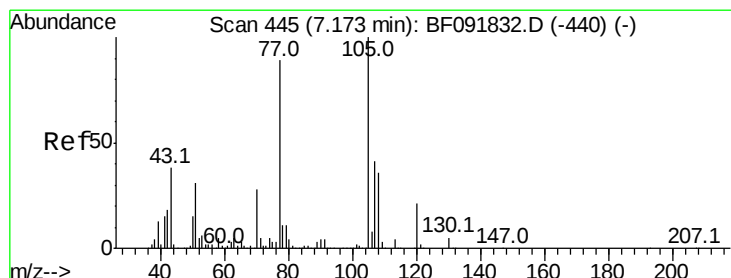
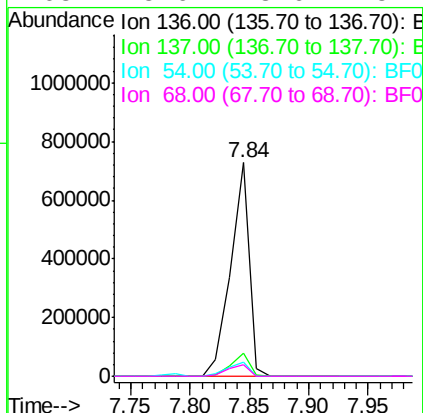
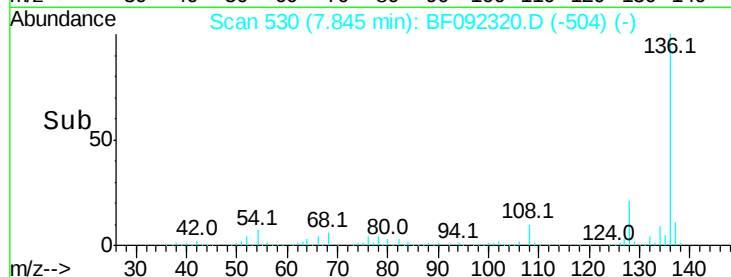
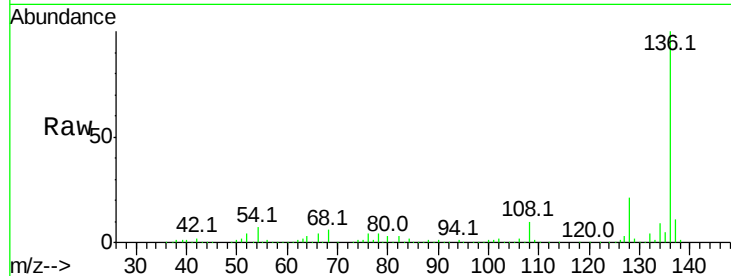
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 530
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Instrument :
BNA_F
ClientSampleId :
PB96060BS

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.0	8.4	12.6
54	6.9	4.5	6.7#
68	5.6	3.6	5.4#

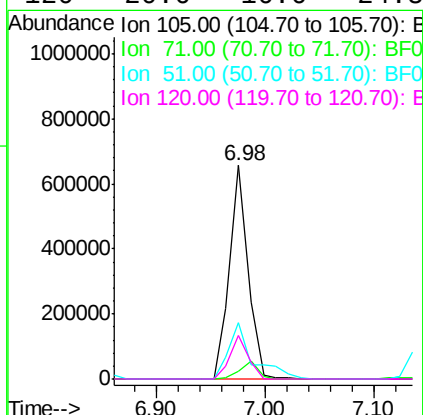
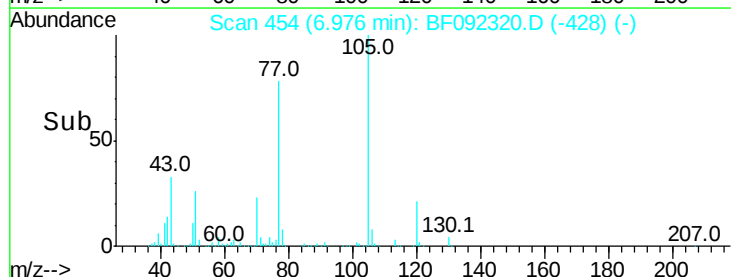
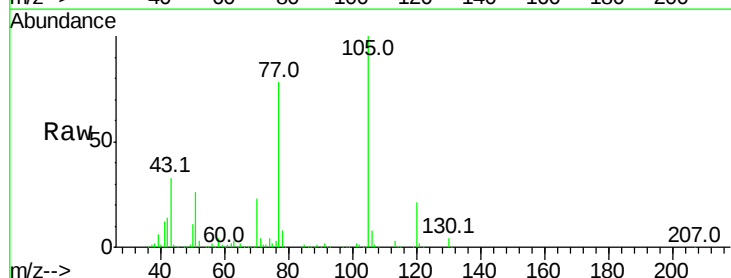
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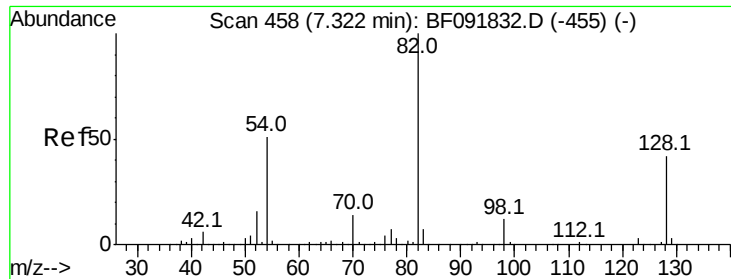
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#22
Acetophenone
Concen: 39.91 ng
RT: 6.98 min Scan# 454
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Tgt Ion	Ratio	Resp Lower	Upper
105	100		
71	3.8	3.2	4.8
51	26.5	26.2	39.4
120	20.6	16.6	24.8





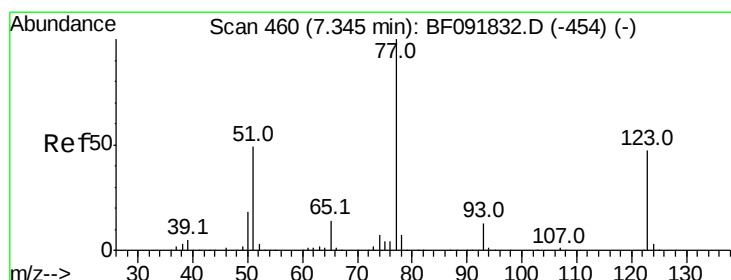
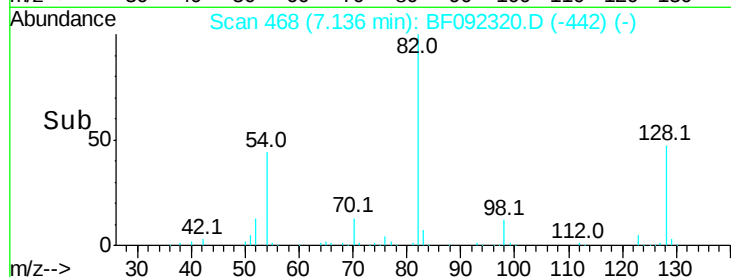
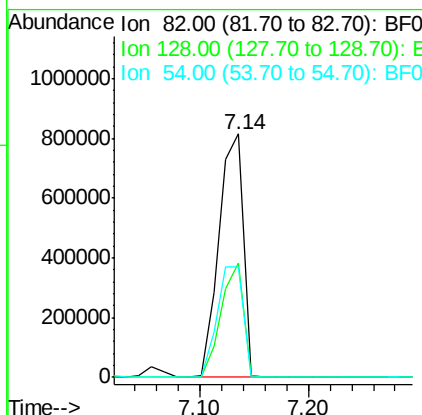
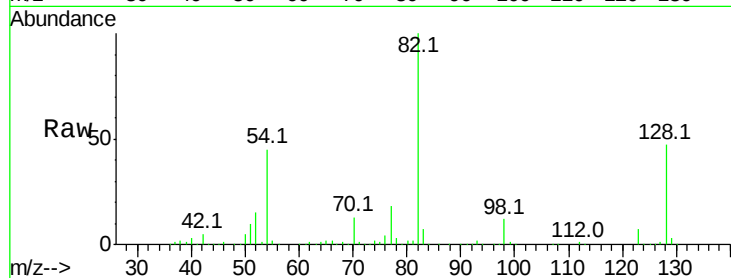
#23
Nitrobenzene-d5
Concen: 89.02 ng
RT: 7.14 min Scan# 468
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Instrument :
BNA_F
ClientSampleId :
PB96060BS

Tot Ion: 82 Resp: 1264519
Ion Ratio Lower Upper
82 100
128 47.2 34.6 52.0
54 45.2 39.5 59.3

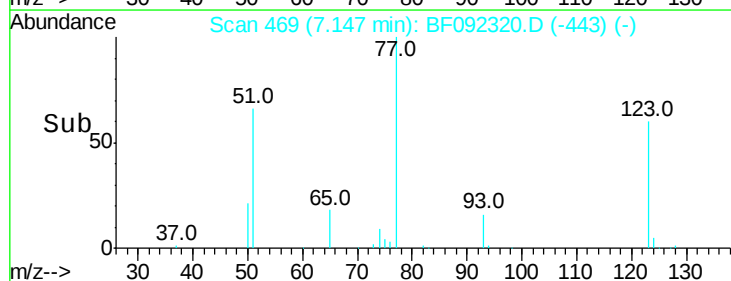
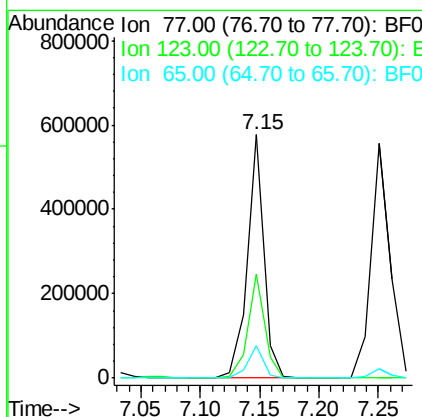
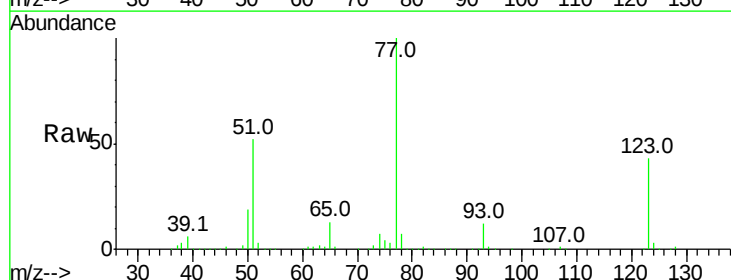
Manual Integrations
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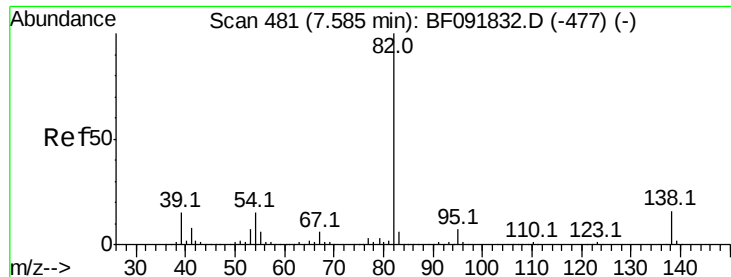
mohammad
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#24
Nitrobenzene
Concen: 37.06 ng
RT: 7.15 min Scan# 469
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Tgt Ion: 77 Resp: 560668
Ion Ratio Lower Upper
77 100
123 42.7 33.0 49.4
65 13.4 11.2 16.8





#25

Isophorone

Concen: 40.86 ng

RT: 7.39 min Scan# 490

Delta R.T. -0.01 min

Lab File: BF092320.D

Acq: 17 Jan 2017 17:06

Instrument :

BNA_F

ClientSampleId :

PB96060BS

Tot Ion: 82 Resp: 1070797

Ion Ratio Lower Upper

82 100

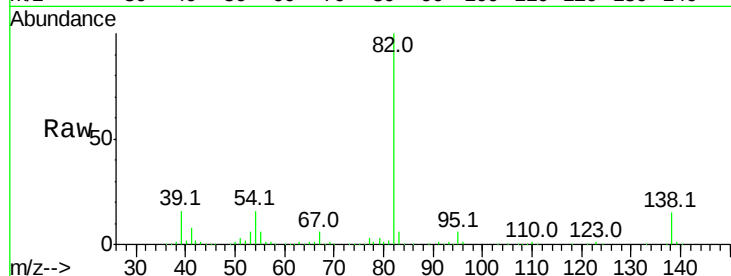
95 6.3 5.6 8.4

138 15.1 14.6 22.0

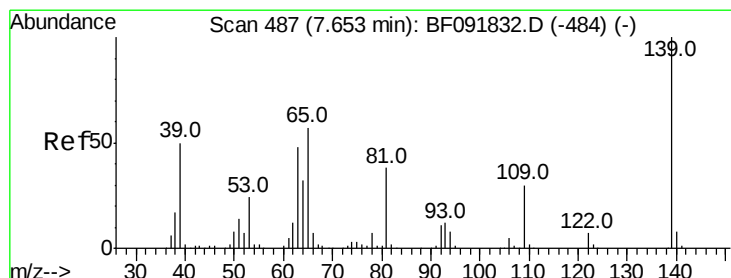
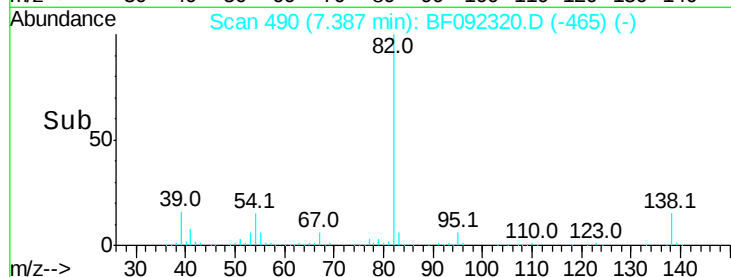
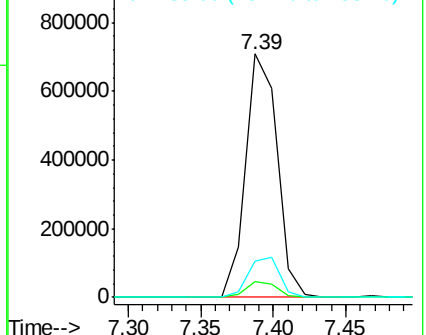
Manual Integrations
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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 40.32 ng

RT: 7.47 min Scan# 497

Delta R.T. 0.00 min

Lab File: BF092320.D

Acq: 17 Jan 2017 17:06

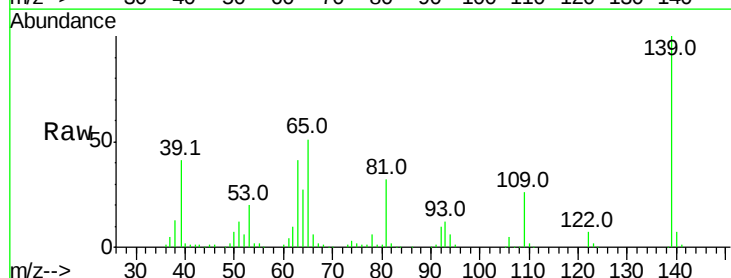
Tgt Ion: 139 Resp: 300851

Ion Ratio Lower Upper

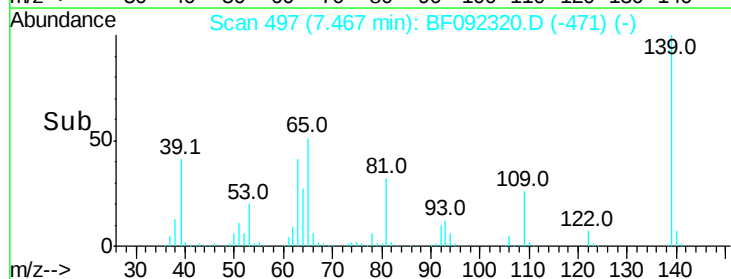
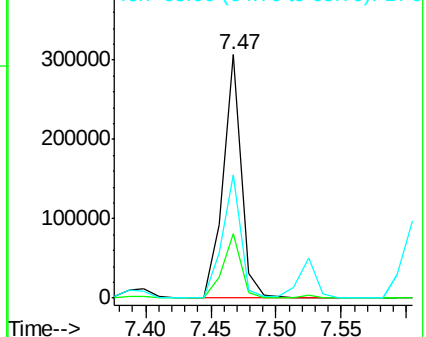
139 100

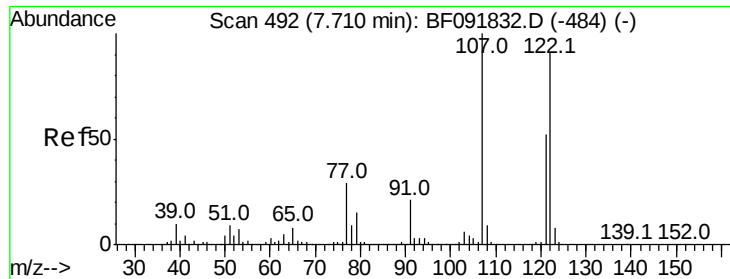
109 26.4 23.3 34.9

65 50.7 42.7 64.1



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0





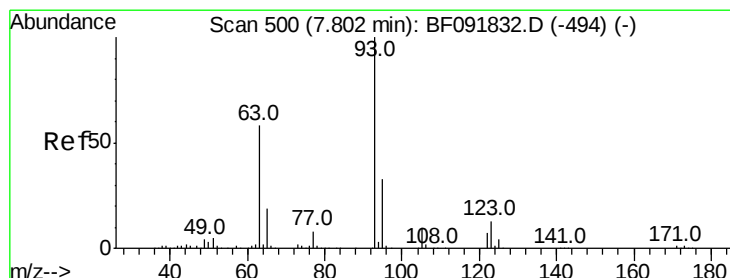
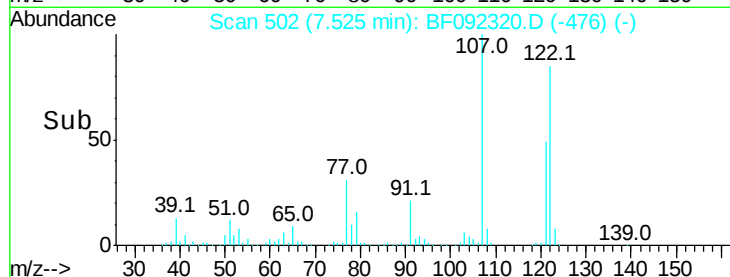
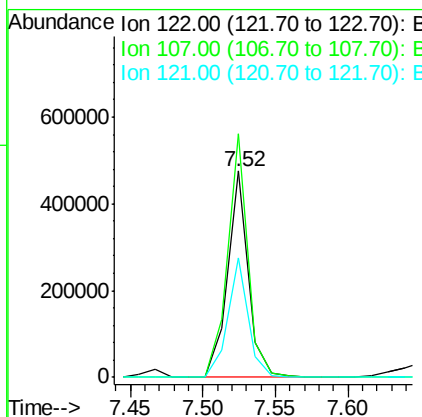
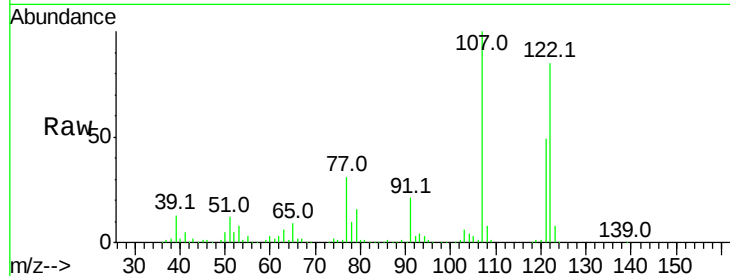
#27
2,4-Dimethylphenol
Concen: 38.10 ng
RT: 7.52 min Scan# 502
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Instrument :
BNA_F
ClientSampleId :
PB96060BS

Tot Ion:122 Resp: 471533
Ion Ratio Lower Upper
122 100
107 118.1 94.1 141.1
121 57.9 46.0 69.0

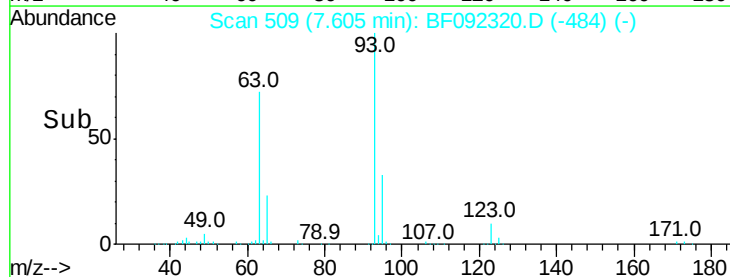
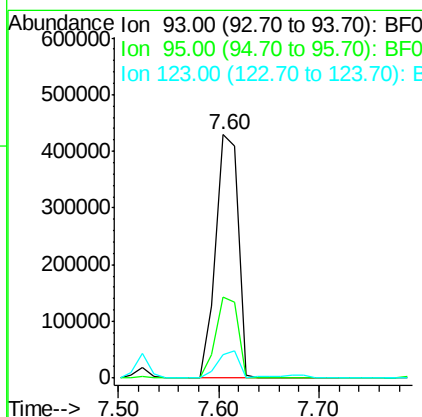
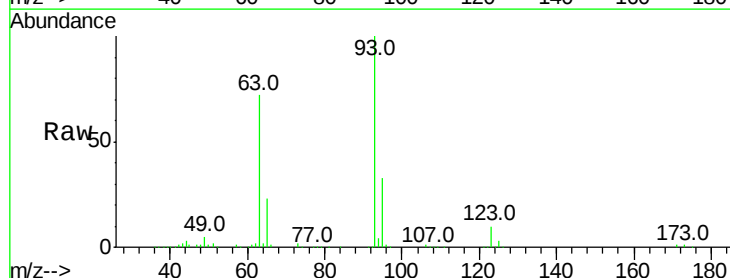
Manual Integrations
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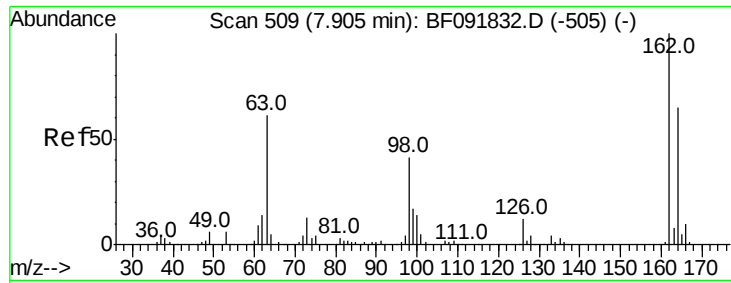
mohammad
1/18/2017 5:11:25 PM



#28
bis(2-Chloroethoxy)methane
Concen: 42.11 ng
RT: 7.60 min Scan# 509
Delta R.T. -0.01 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Tgt Ion: 93 Resp: 669294
Ion Ratio Lower Upper
93 100
95 33.3 26.5 39.7
123 9.5 8.6 13.0





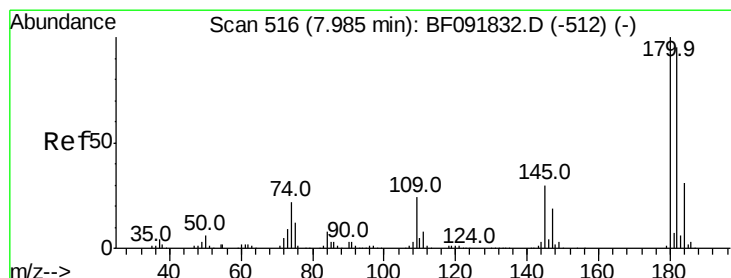
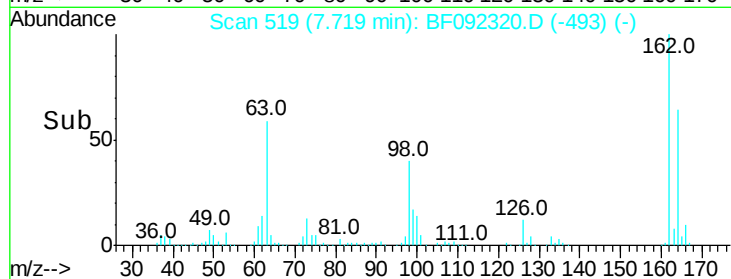
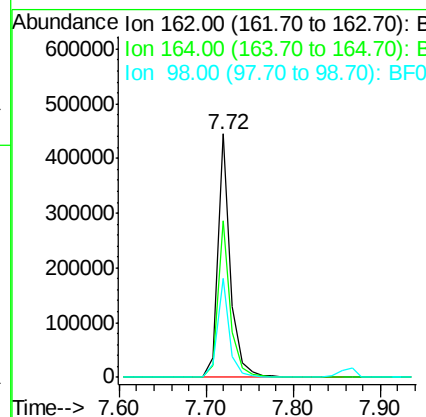
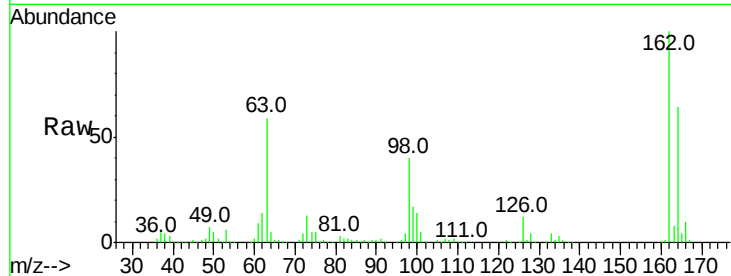
#29
 2,4-Dichlorophenol
 Concen: 42.80 ng
 RT: 7.72 min Scan# 519
 Delta R.T. 0.00 min
 Lab File: BF092320.D
 Acq: 17 Jan 2017 17:06

Instrument :
 BNA_F
 ClientSampleId :
 PB96060BS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	448482		
164	64.3	46.8	86.8	
98	40.4	9.1	49.1	

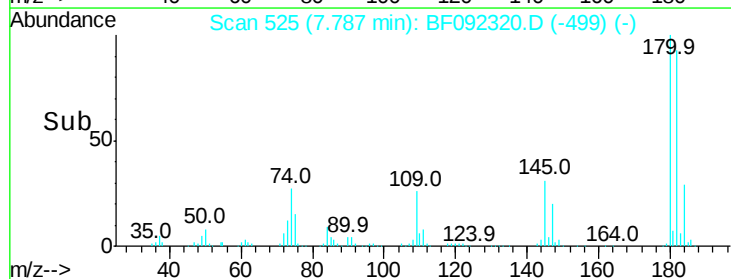
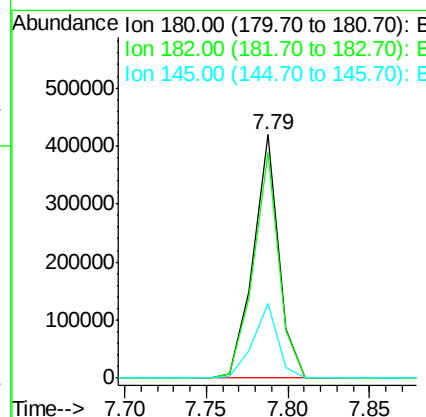
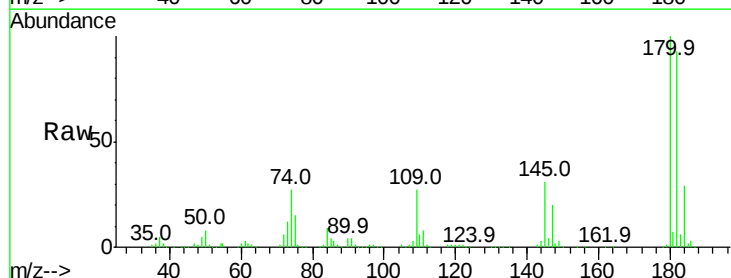
Manual Integrations
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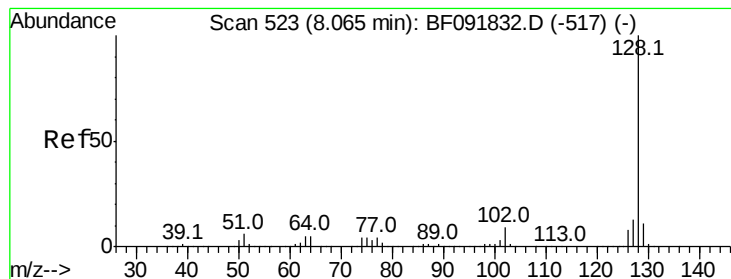
mohammad
 1/18/2017 5:11:25 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 39.50 ng
 RT: 7.79 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: BF092320.D
 Acq: 17 Jan 2017 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	453576		
182	92.6	78.2	117.4	
145	30.6	21.6	32.4	





#31

Naphthalene

Concen: 42.60 ng

RT: 7.87 min Scan# 532

Delta R.T. 0.00 min

Lab File: BF092320.D

Acq: 17 Jan 2017 17:06

Instrument :

BNA_F

ClientSampleId :

PB96060BS

Tot Ion:128 Resp: 1540041

Ion Ratio Lower Upper

128 100

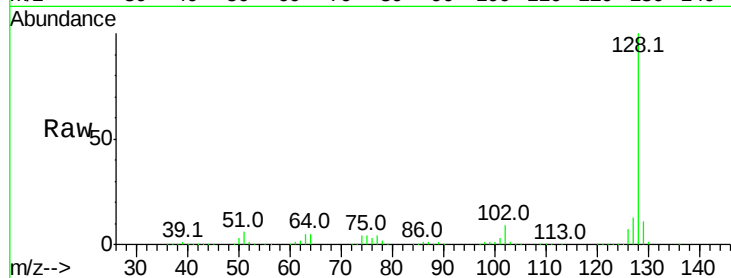
129 11.2 9.5 14.3

127 13.2 10.8 16.2

Manual Integrations
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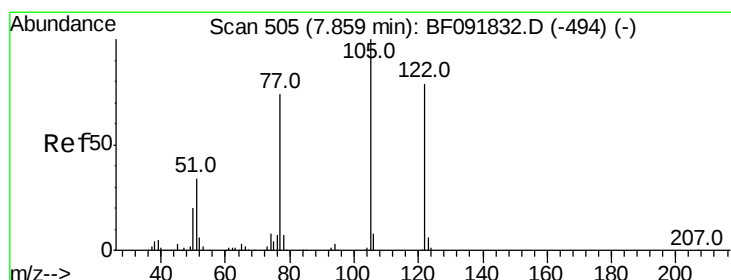
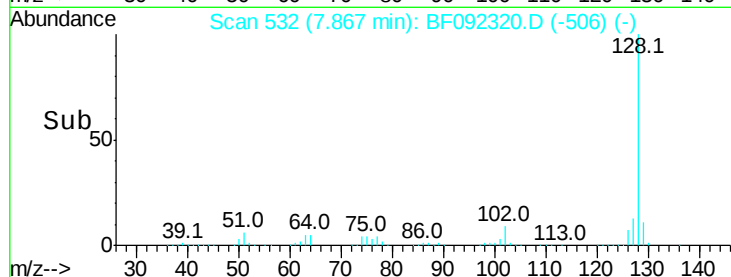
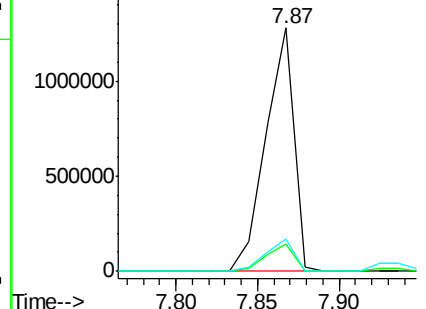
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 20.72 ng

RT: 7.68 min Scan# 516

Delta R.T. 0.00 min

Lab File: BF092320.D

Acq: 17 Jan 2017 17:06

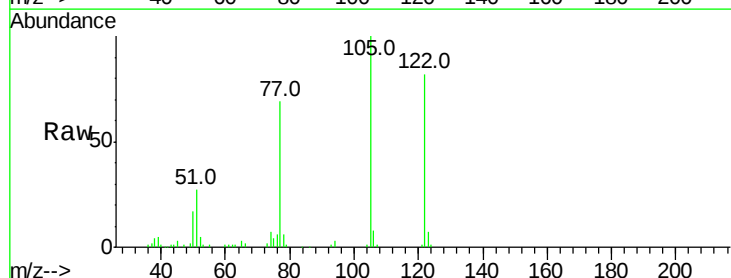
Tgt Ion:122 Resp: 190158

Ion Ratio Lower Upper

122 100

105 122.1 107.2 147.2

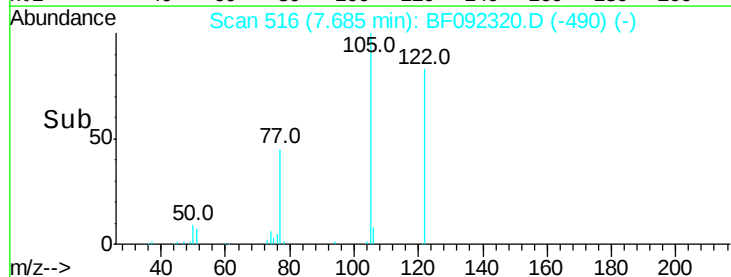
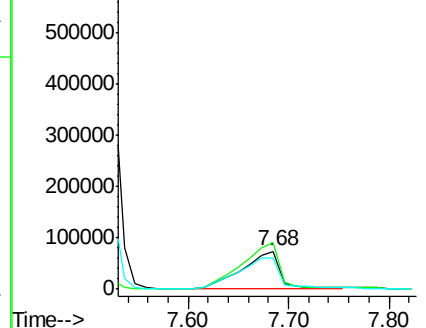
77 84.0 74.5 114.5

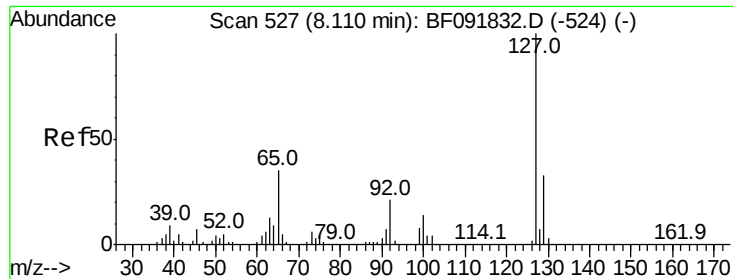


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





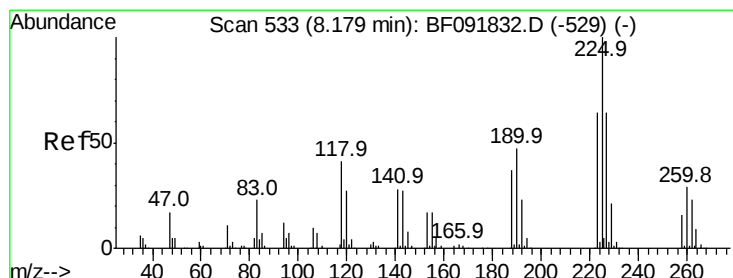
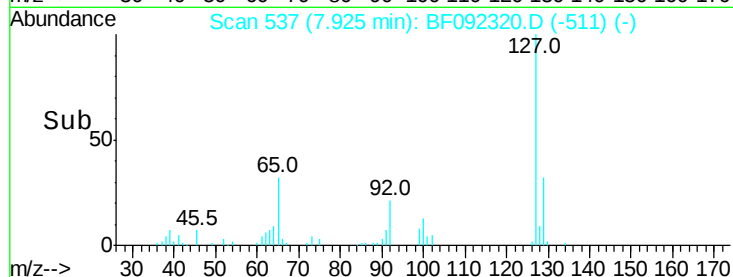
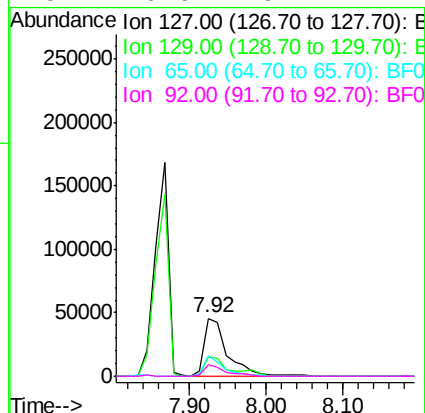
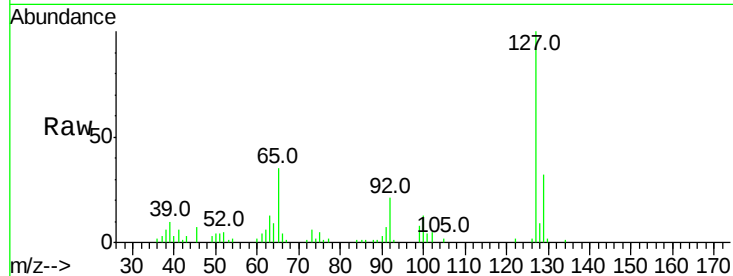
#33
4-Chloroaniline
Concen: 5.91 ng
RT: 7.92 min Scan# 537
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Instrument :
BNA_F
ClientSampled :
PB96060BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.3	26.3	39.5		
65	35.3	25.8	38.8		
92	20.6	16.1	24.1		

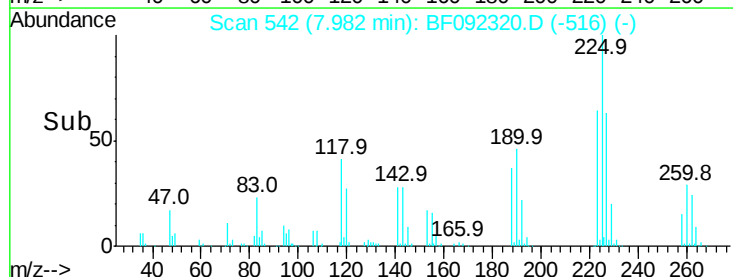
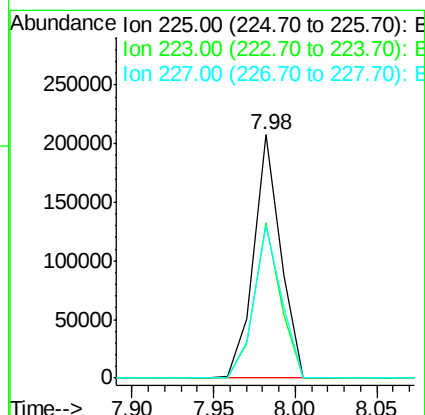
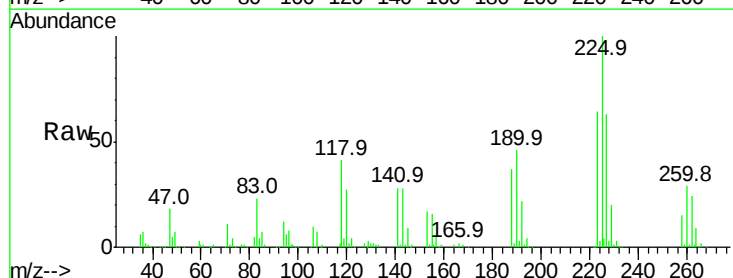
Manual Integrations
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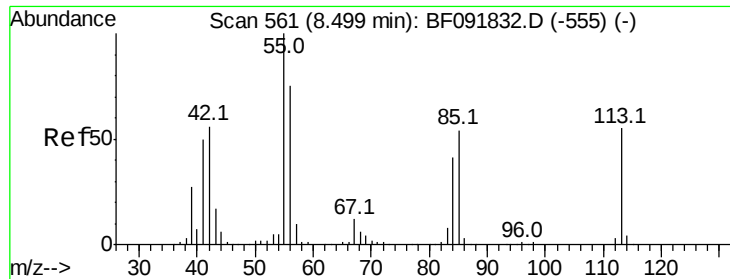
mohammad
1/18/2017 5:11:25 PM



#34
Hexachlorobutadiene
Concen: 39.39 ng
RT: 7.98 min Scan# 542
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	64.0	51.0	76.6		
227	62.6	50.6	76.0		





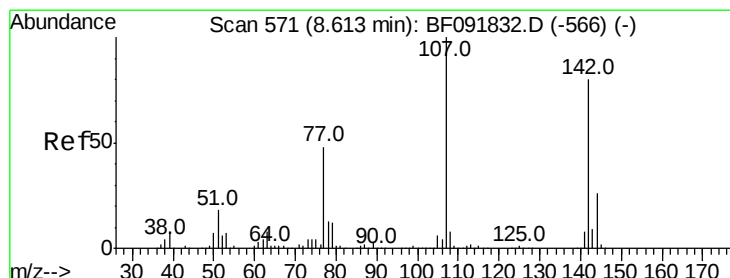
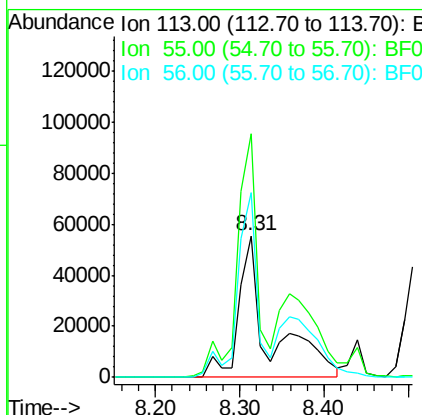
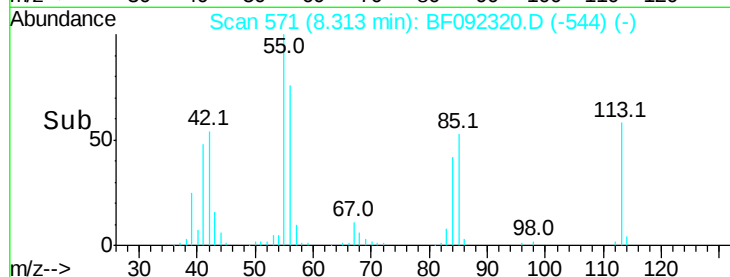
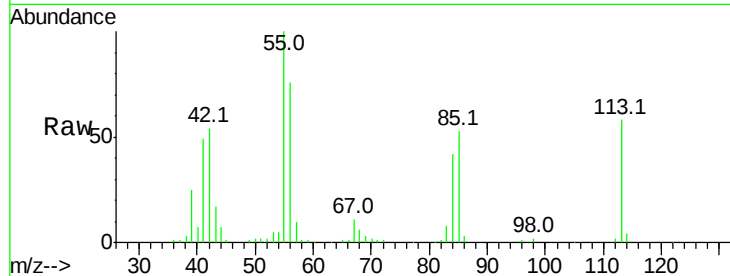
#35
 Caprolactam
 Concen: 41.47 ng/ml
 RT: 8.31 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: BF092320.D
 Acq: 17 Jan 2017 17:06

Instrument :
 BNA_F
 ClientSampleID :
 PB96060BS

Tot Ion	Ratio	Lower	Upper
113	100		
55	172.1	119.2	159.2#
56	130.3	83.8	123.8#

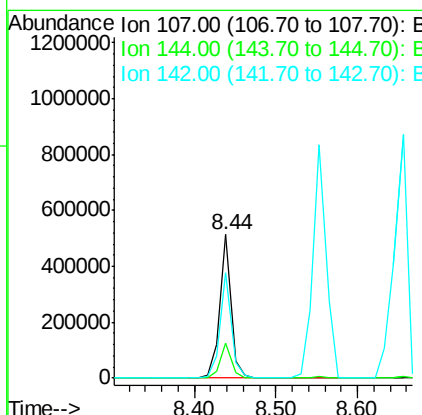
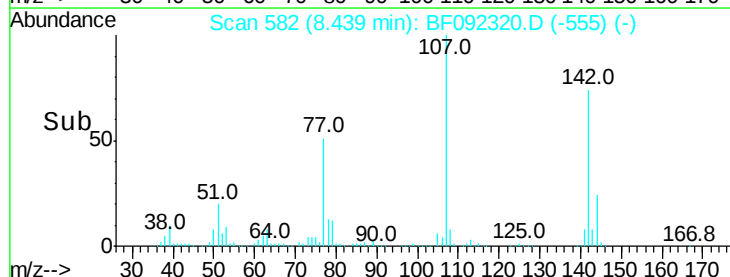
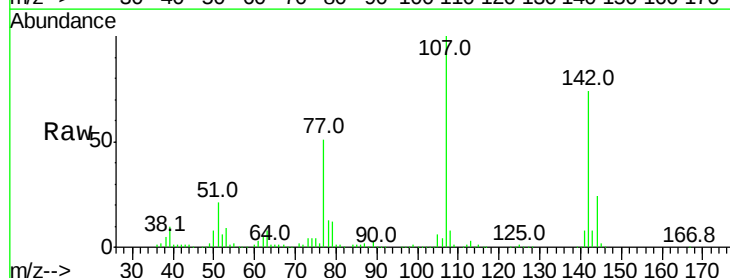
Manual Integrations
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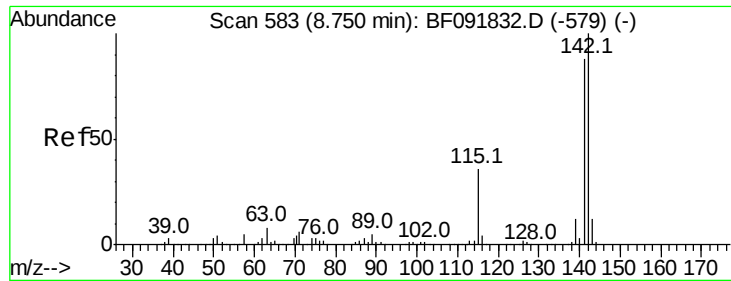
mohammad
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#36
 4-Chloro-3-methylphenol
 Concen: 41.44 ng/ml
 RT: 8.44 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: BF092320.D
 Acq: 17 Jan 2017 17:06

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.4	19.3	28.9
142	73.9	59.0	88.6





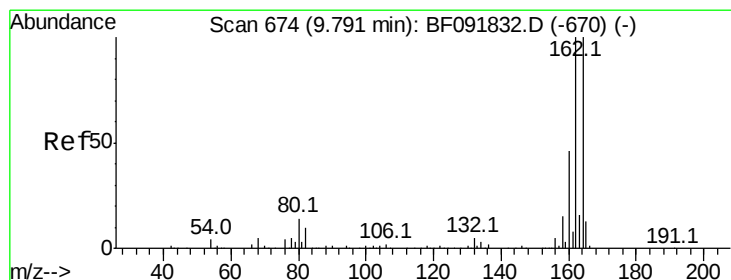
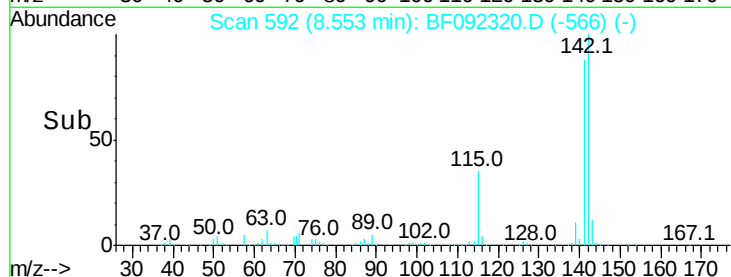
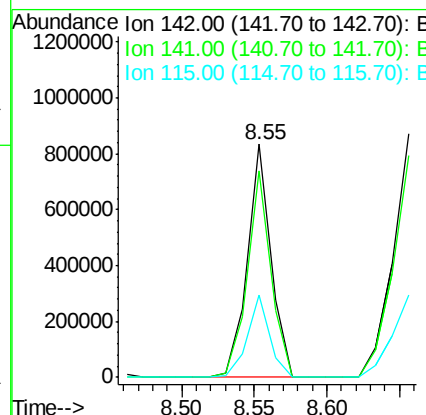
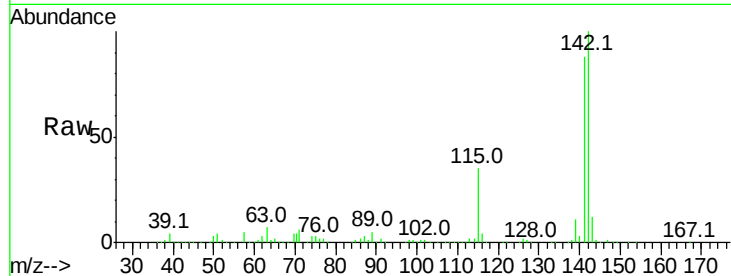
#37
2-Methylnaphthalene
Concen: 41.93 ng
RT: 8.55 min Scan# 592
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Instrument :
BNA_F
ClientSampleId :
PB96060BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.0	106.6
115	35.1	28.3	42.5

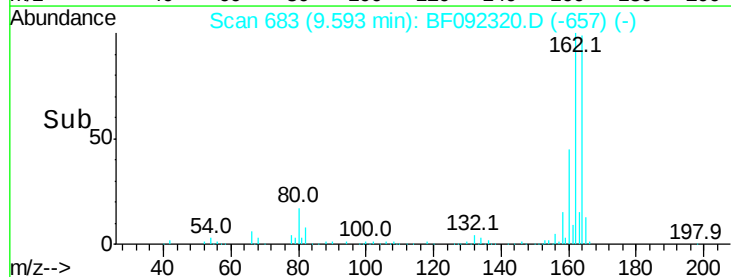
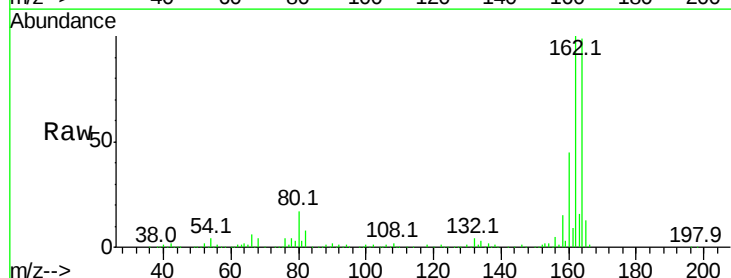
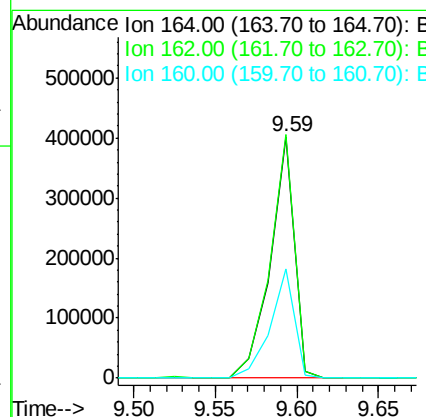
Manual Integrations
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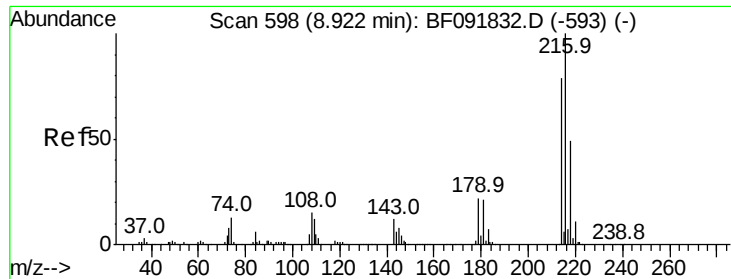
mohammad
1/18/2017 5:11:25 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.59 min Scan# 683
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.2	120.2
160	45.0	36.9	55.3





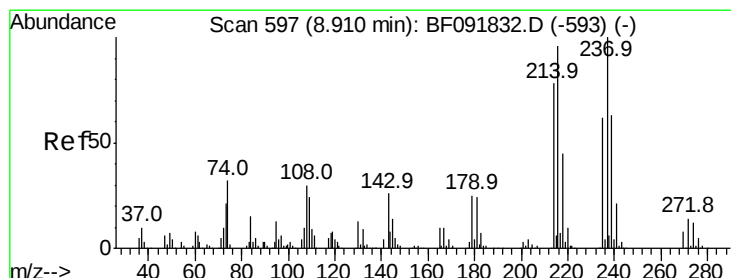
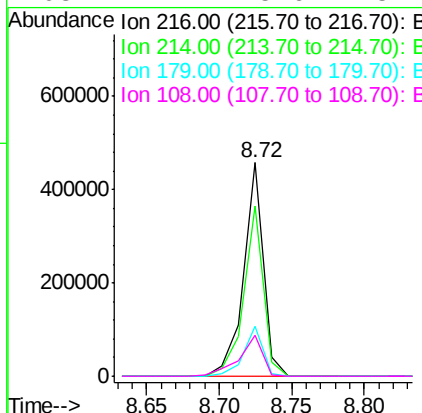
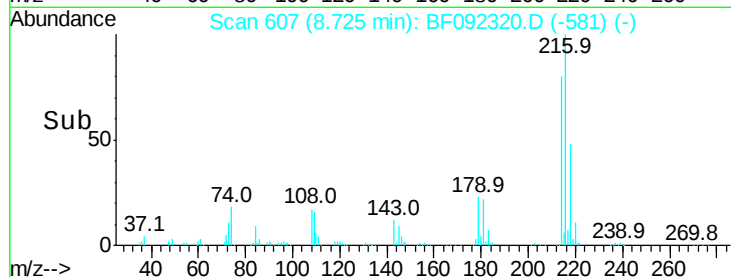
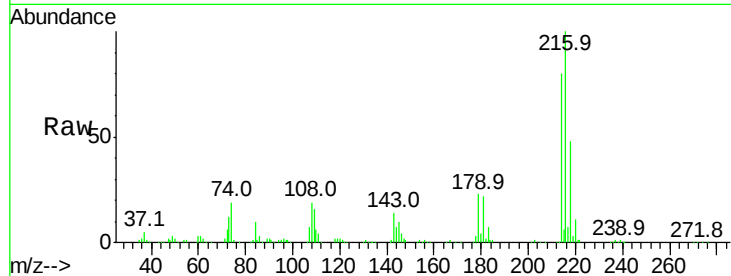
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 41.37 ng
 RT: 8.72 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: BF092320.D
 Acq: 17 Jan 2017 17:06

Instrument :
 BNA_F
 ClientSampleId :
 PB96060BS

Tot Ion	Ratio	Resp	Lower	Upper
216	100	433650		
214	78.9	63.4	95.0	
179	22.8	17.4	26.2	
108	22.2	15.6	23.4	

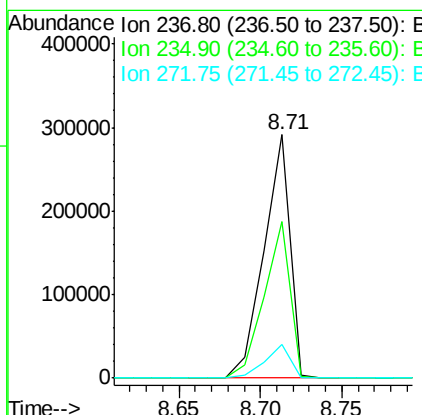
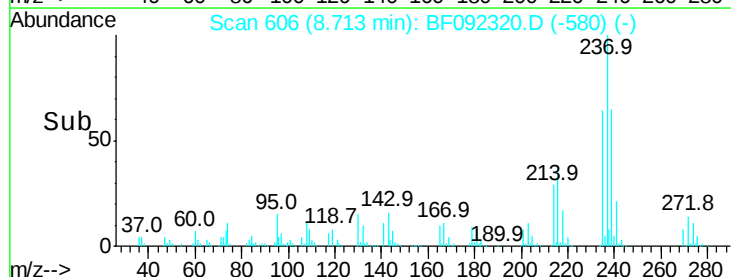
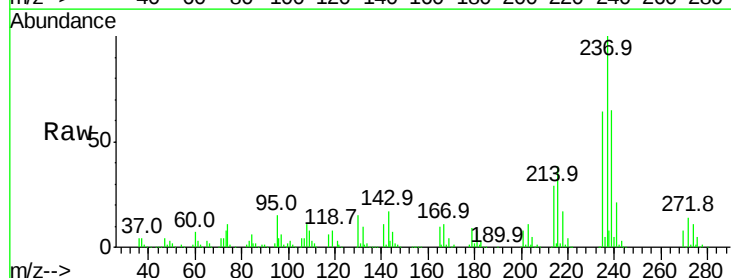
Manual Integrations
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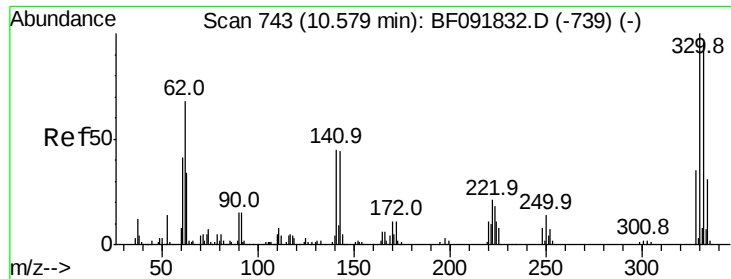
mohammad
 1/18/2017 5:11:25 PM



#40
 Hexachlorocyclopentadiene
 Concen: 70.09 ng
 RT: 8.71 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: BF092320.D
 Acq: 17 Jan 2017 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	324785		
235	64.1	41.2	81.2	
272	14.0	0.0	35.4	





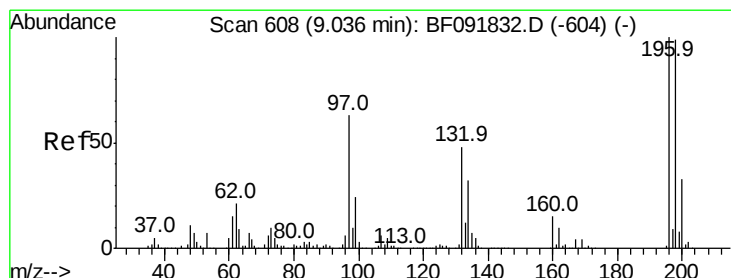
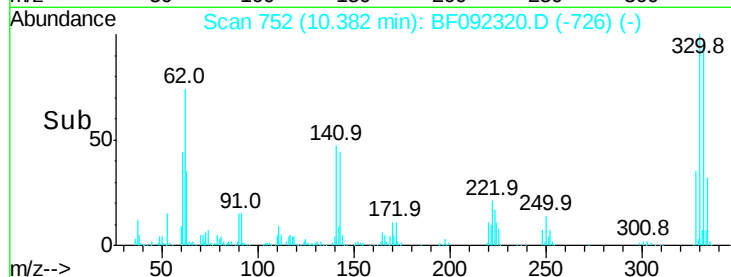
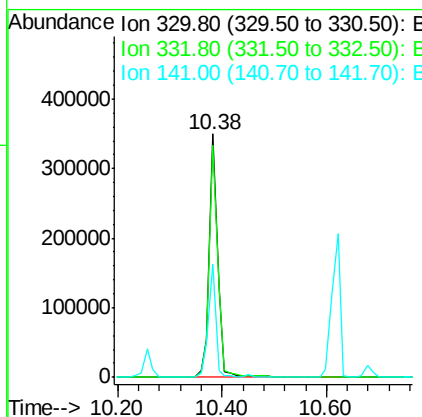
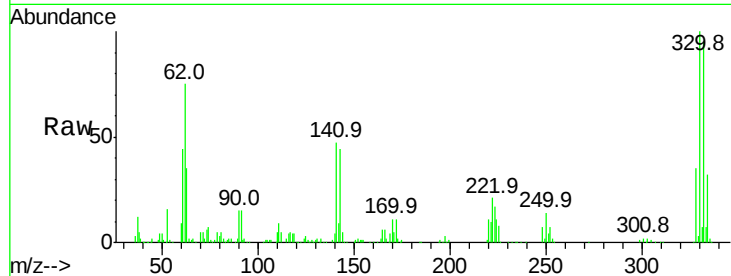
#41
 2,4,6-Tribromophenol
 Concen: 115.89 ng
 RT: 10.38 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: BF092320.D
 Acq: 17 Jan 2017 17:06

Instrument :
 BNA_F
 ClientSampleId :
 PB96060BS

Tot Ion	Ratio	Resp	Lower	Upper
330	100	397885		
332	97.2		77.4	116.2
141	40.6		34.1	51.1

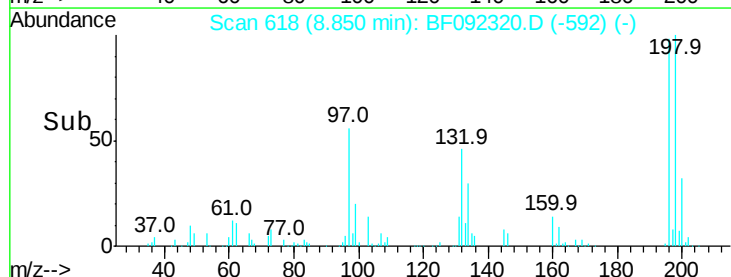
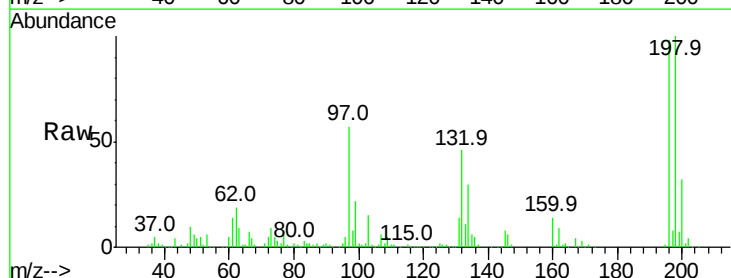
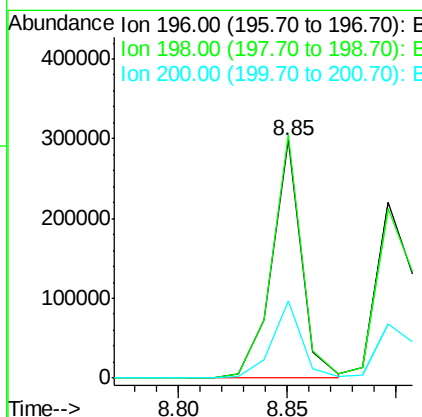
Manual Integrations
 APPROVED

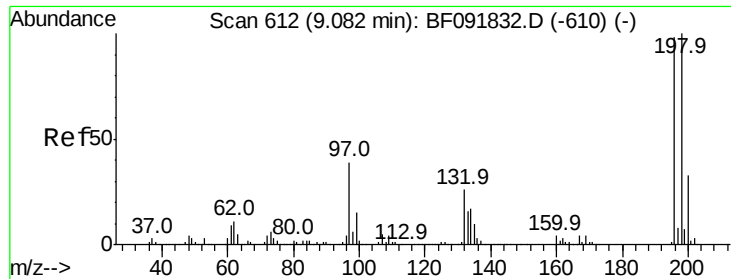
mohammad
 1/18/2017 5:11:25 PM



#42
 2,4,6-Trichlorophenol
 Concen: 38.79 ng
 RT: 8.85 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: BF092320.D
 Acq: 17 Jan 2017 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	284323		
198	102.3		82.1	123.1
200	32.3		27.0	40.4





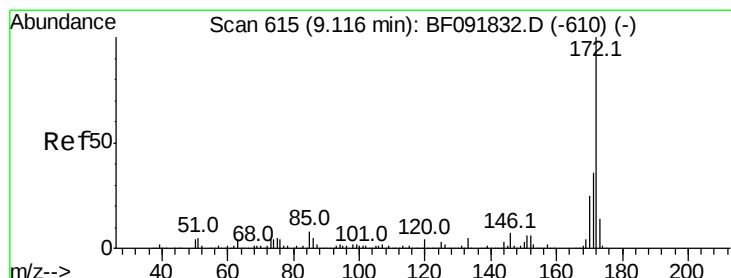
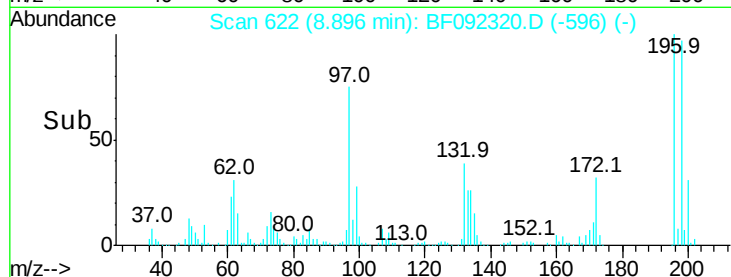
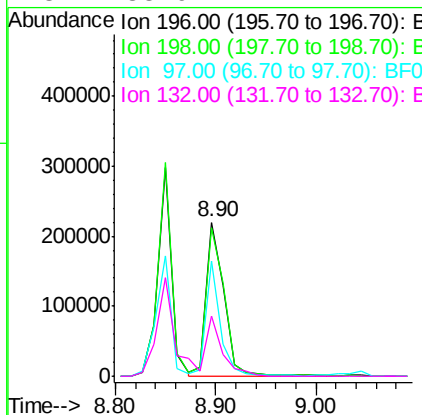
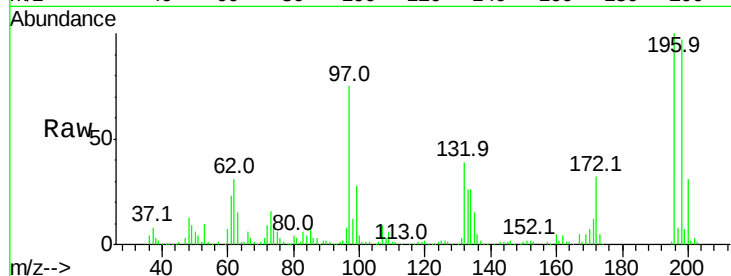
#43
 2,4,5-Trichlorophenol
 Concen: 35.78 ng
 RT: 8.90 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BF092320.D
 Acq: 17 Jan 2017 17:06

Instrument :
 BNA_F
 ClientSampleId :
 PB96060BS

Tot Ion:	196	Resp:	269943
Ion Ratio	Lower	Upper	
196	100		
198	96.6	79.4	119.2
97	75.2	51.5	77.3
132	38.9	27.4	41.2

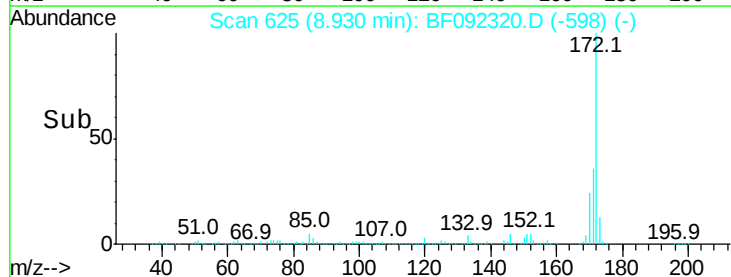
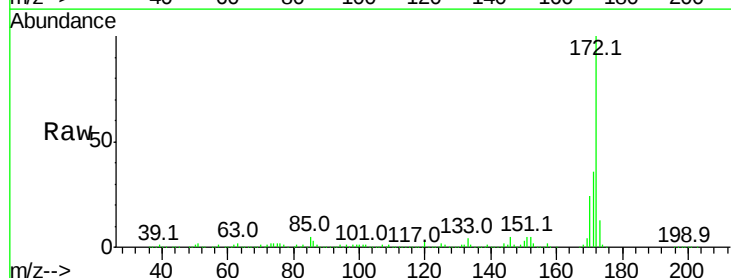
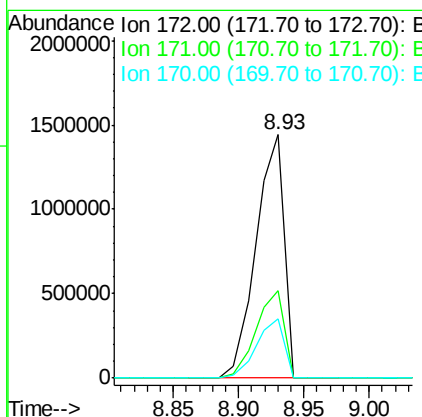
Manual Integrations
 APPROVED

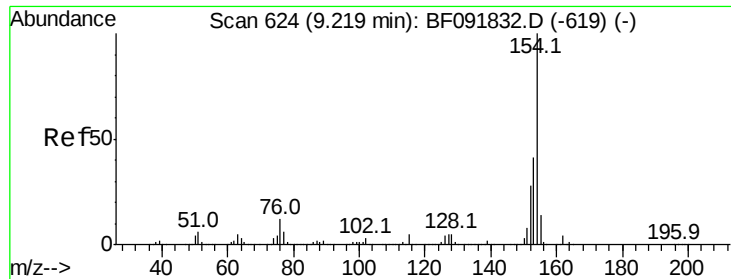
mohammad
 1/18/2017 5:11:25 PM



#44
 2-Fluorobiphenyl
 Concen: 110.22 ng
 RT: 8.93 min Scan# 625
 Delta R.T. 0.01 min
 Lab File: BF092320.D
 Acq: 17 Jan 2017 17:06

Tgt Ion:	172	Resp:	2154321
Ion Ratio	Lower	Upper	
172	100		
171	35.7	29.4	44.0
170	24.3	20.2	30.4





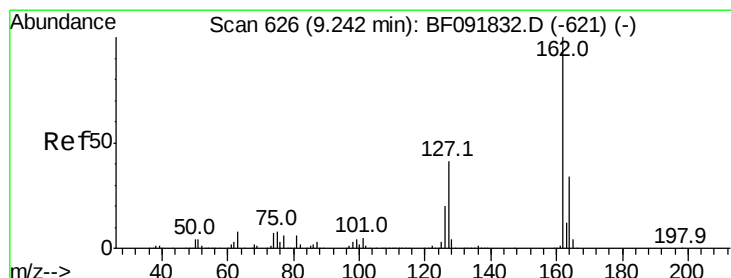
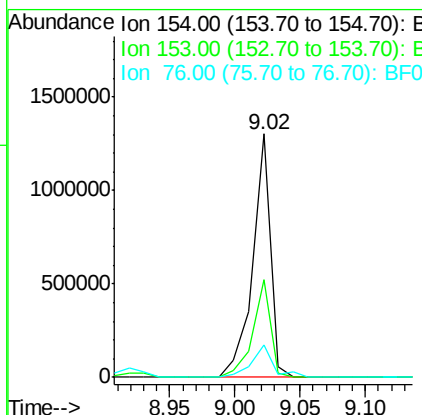
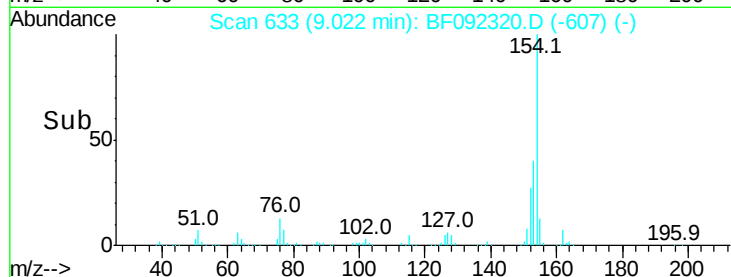
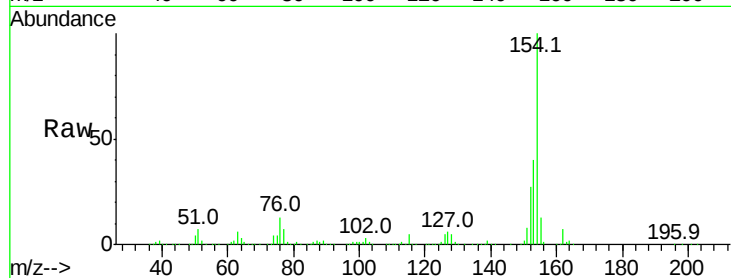
#45
1,1'-Biphenyl
Concen: 43.72 ng
RT: 9.02 min Scan# 633
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Instrument :
BNA_F
ClientSampleId :
PB96060BS

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.9	60.9
76	13.3	0.0	30.5

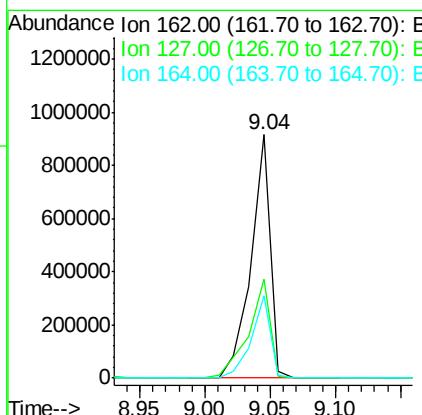
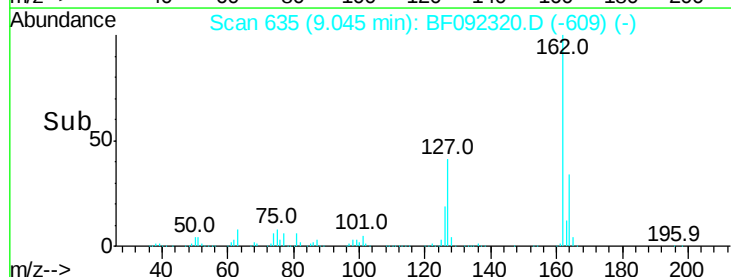
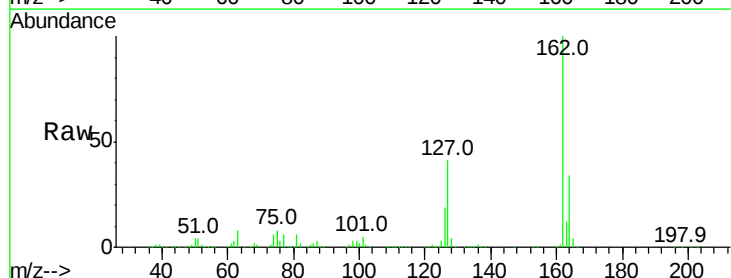
Manual Integrations
APPROVED

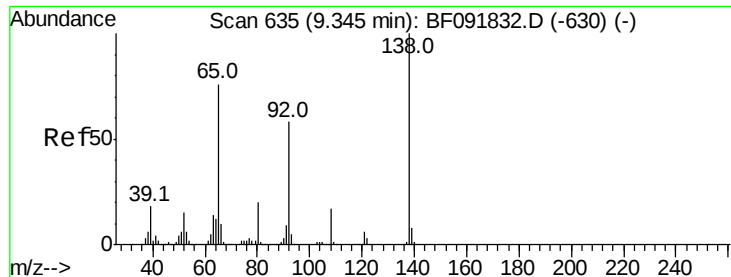
mohammad
1/18/2017 5:11:25 PM



#46
2-Chloronaphthalene
Concen: 41.92 ng
RT: 9.04 min Scan# 635
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Tgt Ion	Ratio	Lower	Upper
162	100		
127	40.6	30.7	46.1
164	33.9	27.6	41.4





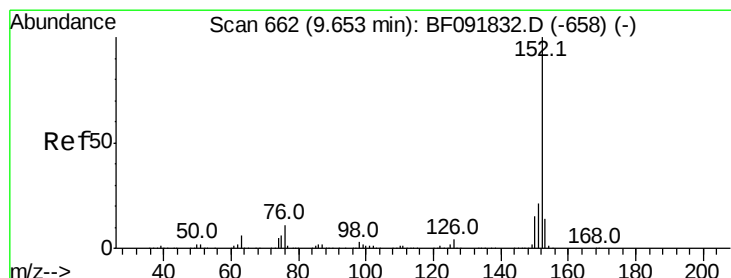
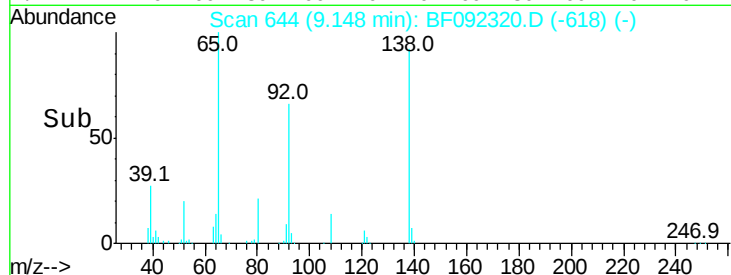
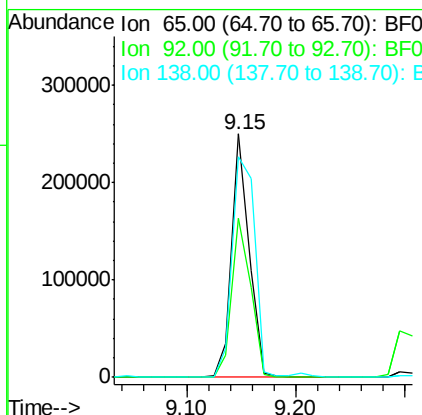
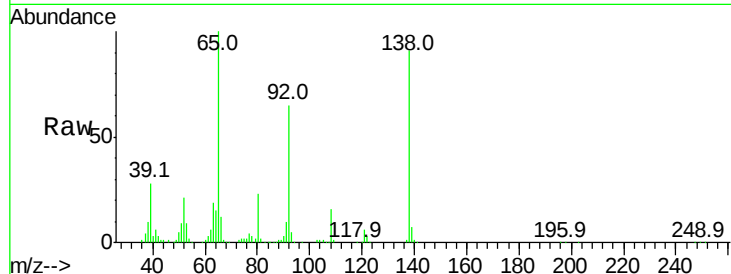
#47
2-Nitroaniline
Concen: 34.47 ng
RT: 9.15 min Scan# 644
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Instrument :
BNA_F
ClientSampleId :
PB96060BS

Tot Ion	Ratio	Lower	Upper
65	100		
92	65.4	53.9	80.9
138	90.6	76.8	115.2

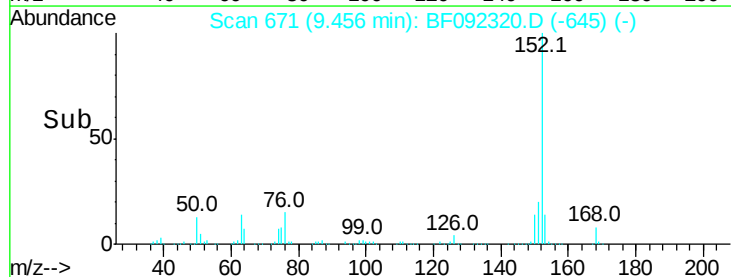
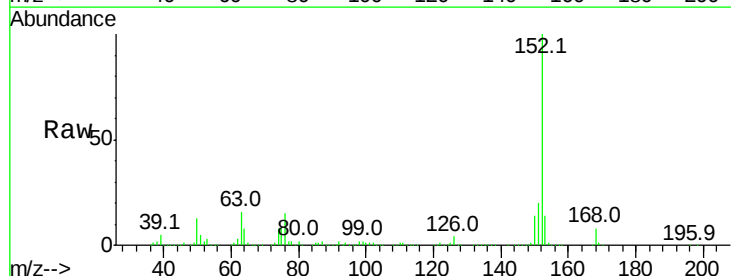
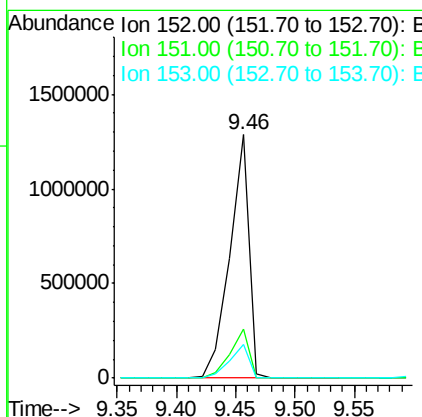
Manual Integrations
APPROVED

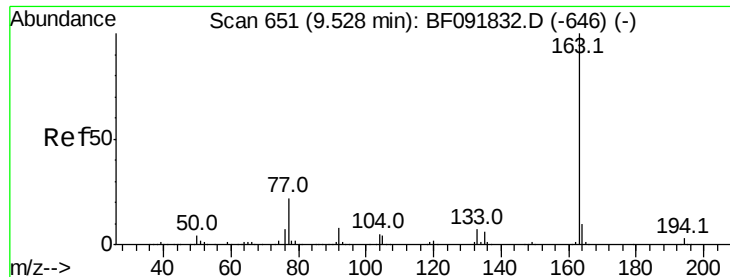
mohammad
1/18/2017 5:11:25 PM



#48
Acenaphthylene
Concen: 41.61 ng
RT: 9.46 min Scan# 671
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.9	25.3
153	13.8	11.4	17.2





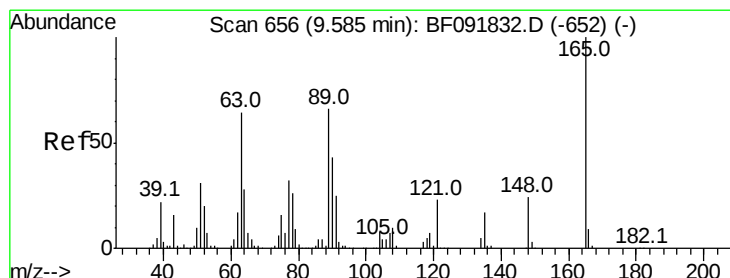
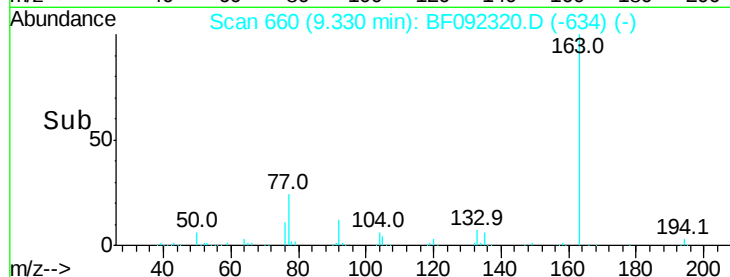
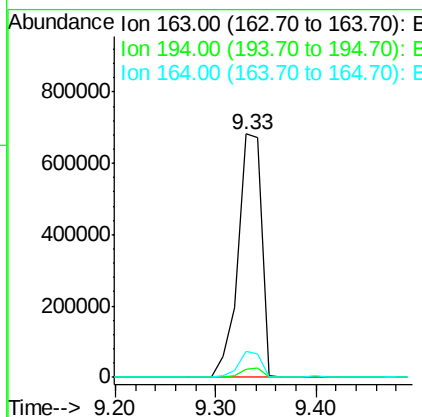
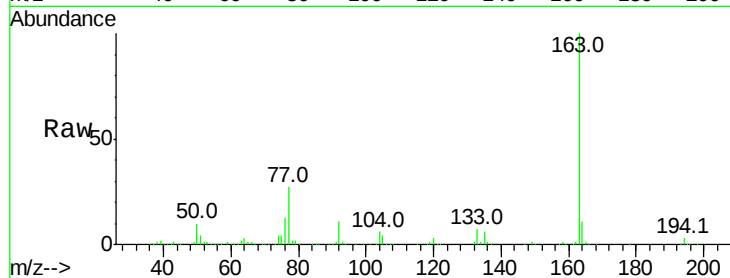
#49
Dimethylphthalate
Concen: 41.86 ng
RT: 9.33 min Scan# 660
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Instrument :
BNA_F
ClientSampleId :
PB96060BS

Tot Ion:163 Resp: 1110770
Ion Ratio Lower Upper
163 100
194 3.2 3.0 4.4
164 10.7 8.0 12.0

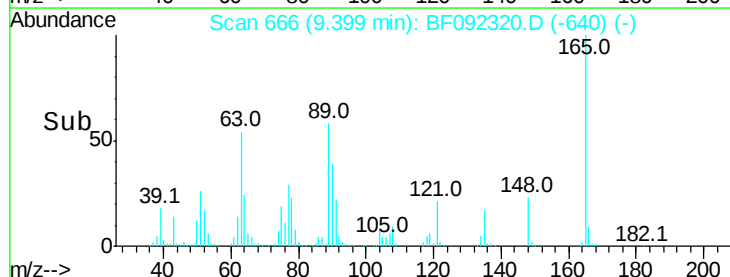
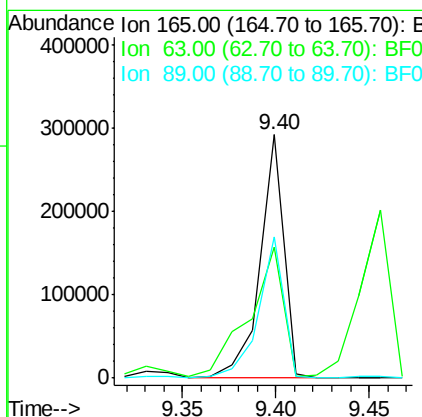
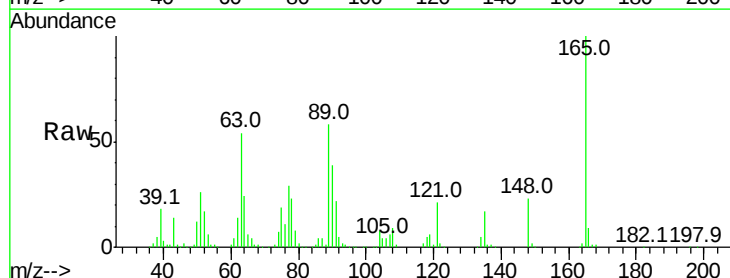
Manual Integrations
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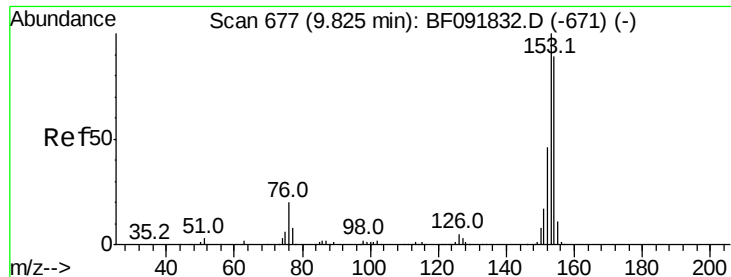
mohammad
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#50
2,6-Dinitrotoluene
Concen: 44.06 ng
RT: 9.40 min Scan# 666
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Tgt Ion:165 Resp: 255868
Ion Ratio Lower Upper
165 100
63 53.6 36.2 54.4
89 57.9 40.2 60.4





#51

Acenaphthene

Concen: 39.45 ng

RT: 9.63 min Scan# 686

Delta R.T. 0.00 min

Lab File: BF092320.D

Acq: 17 Jan 2017 17:06

Instrument :

BNA_F

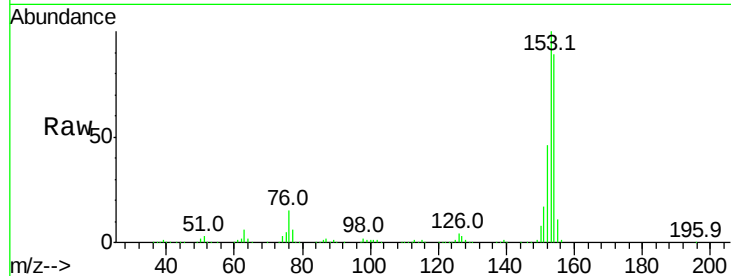
ClientSampleId :

PB96060BS

Tot Ion	Ratio	Lower	Upper
154	100		
153	111.9	88.6	133.0
152	51.3	41.6	62.4

Manual Integrations
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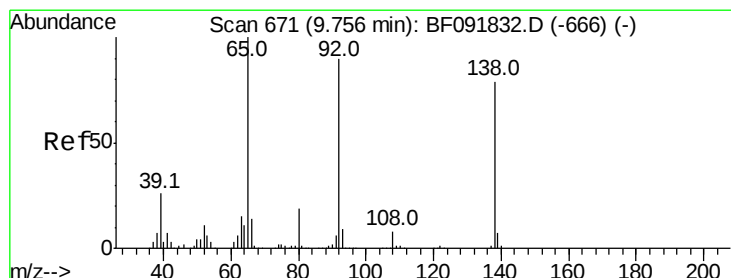
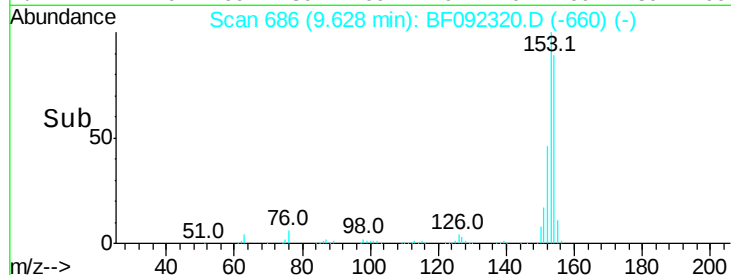
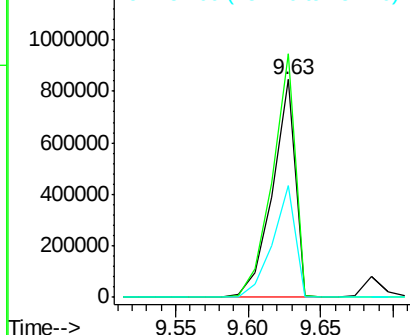


Abundance

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: 9.29 ng

RT: 9.56 min Scan# 680

Delta R.T. 0.00 min

Lab File: BF092320.D

Acq: 17 Jan 2017 17:06

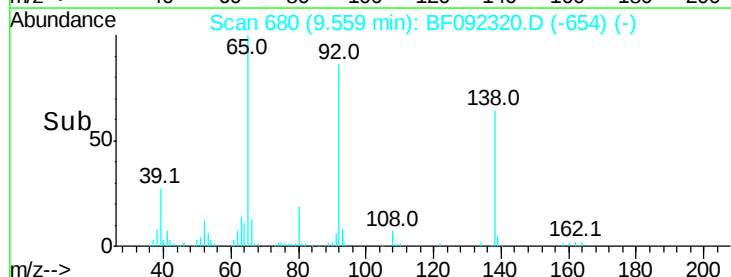
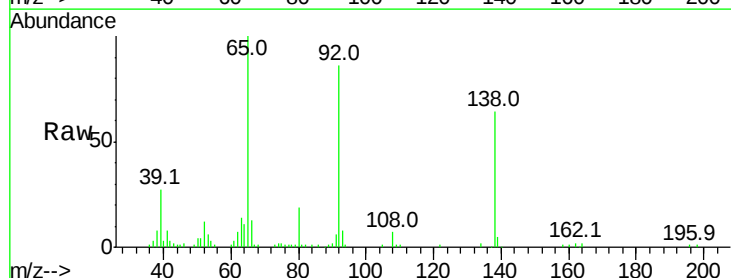
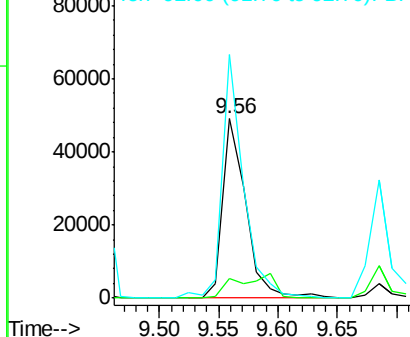
Tgt Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.5	12.7
92	135.8	97.8	146.8

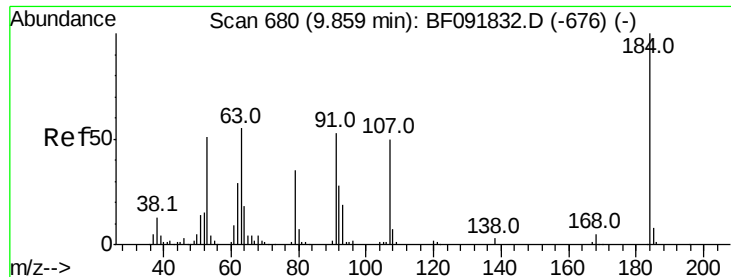
Abundance

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





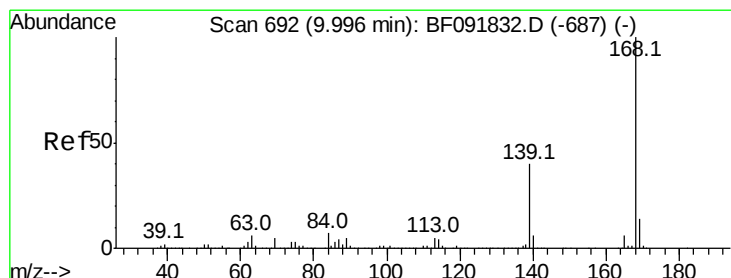
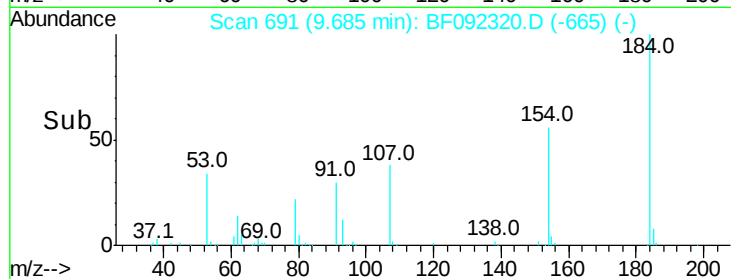
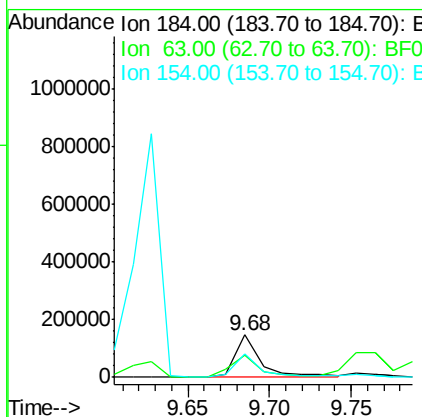
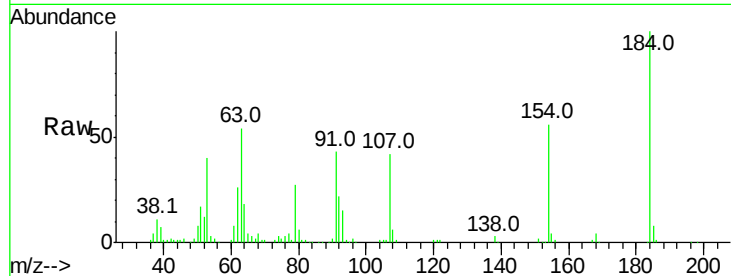
#53
2,4-Dinitrophenol
Concen: 49.75 ng
RT: 9.68 min Scan# 691
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Instrument :
BNA_F
ClientSampleId :
PB96060BS

Tot Ion	Ratio	Lower	Upper
184	100		
63	53.8	28.4	42.6#
154	56.4	44.3	66.5

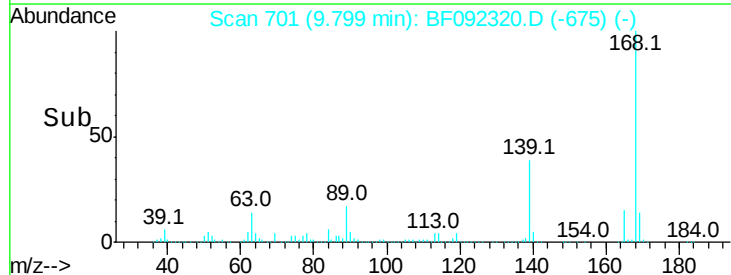
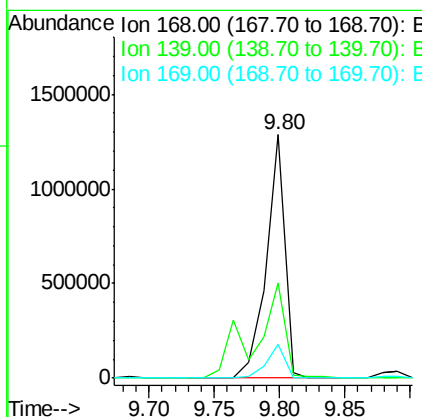
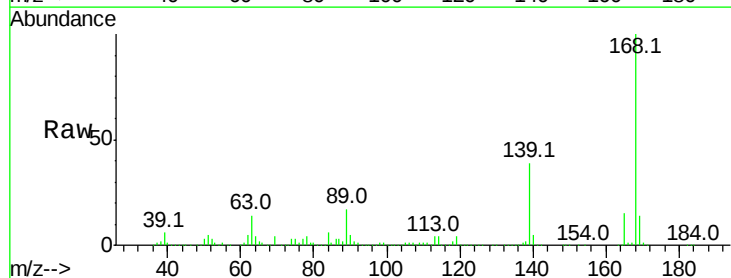
Manual Integrations
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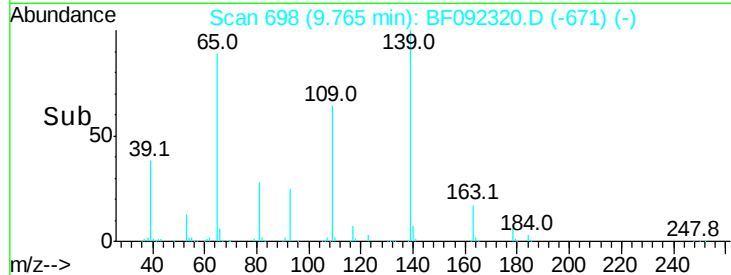
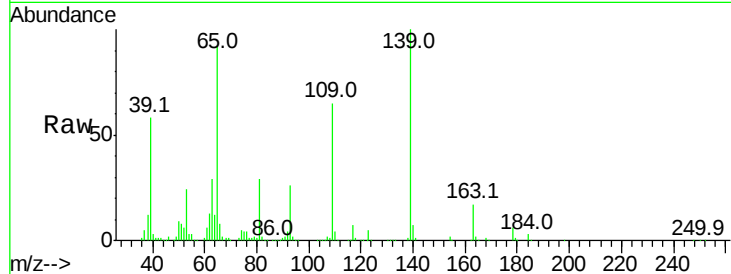
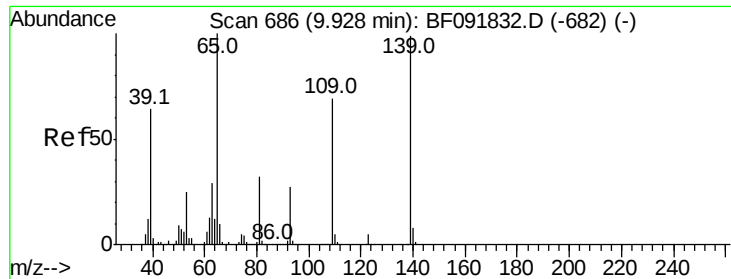
mohammad
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#54
Dibenzofuran
Concen: 40.42 ng
RT: 9.80 min Scan# 701
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.2	32.6	49.0
169	13.7	11.3	16.9





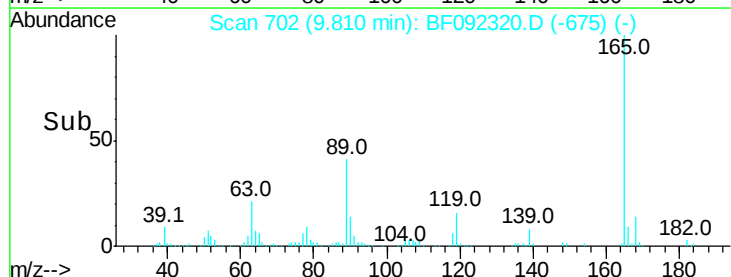
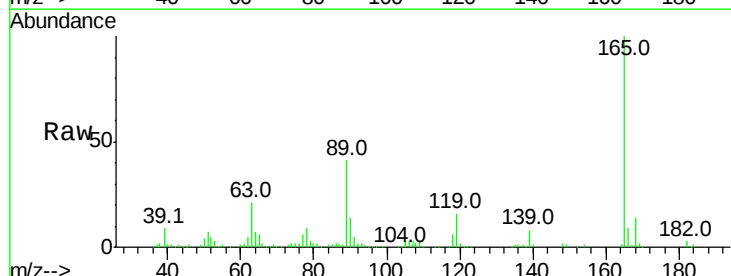
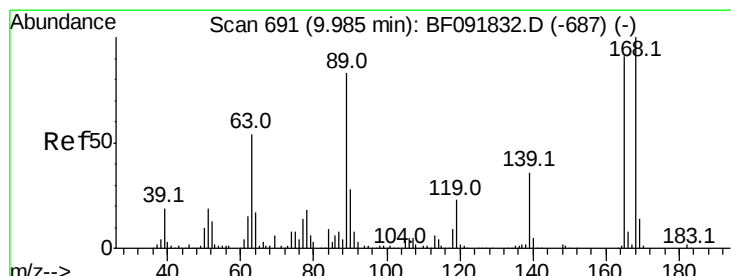
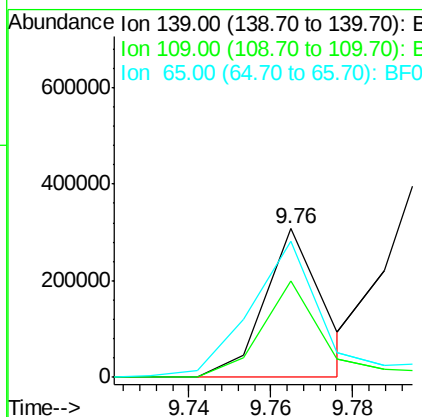
#55
4-Nitrophenol
Concen: 62.91 ng/mL
RT: 9.76 min Scan# 698
Delta R.T. 0.01 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Tot Ion	Ratio	Lower	Upper
139	100		
109	65.2	52.2	92.2
65	91.9	85.8	125.8

Instrument :
BNA_F
ClientSampleId :
PB96060BS

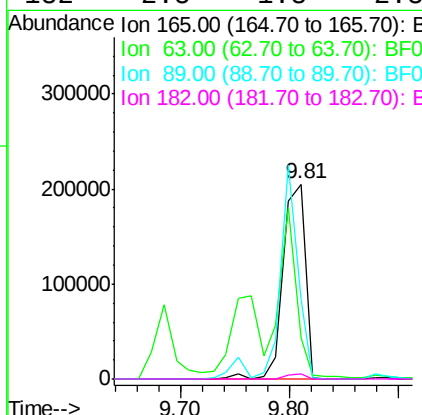
Manual Integrations
APPROVED

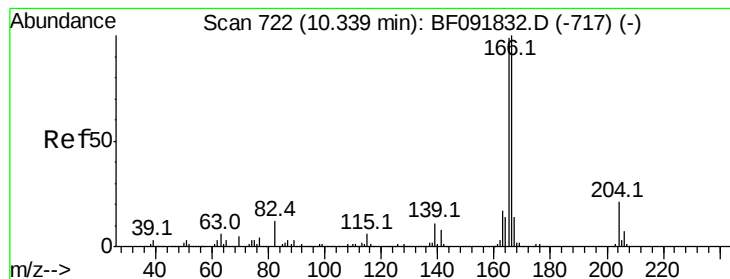
mohammad
1/18/2017 5:11:25 PM



#56
2,4-Dinitrotoluene
Concen: 40.35 ng/mL
RT: 9.81 min Scan# 702
Delta R.T. 0.01 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Tgt Ion	Ratio	Lower	Upper
165	100		
63	21.0	40.2	60.4#
89	41.1	62.5	93.7#
182	2.5	1.8	2.8





#57

Fluorene

Concen: 43.83 ng

RT: 10.14 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF092320.D

Acq: 17 Jan 2017 17:06

Instrument :

BNA_F

ClientSampleId :

PB96060BS

Tot Ion:166 Resp: 1009965

Ion Ratio Lower Upper

166 100

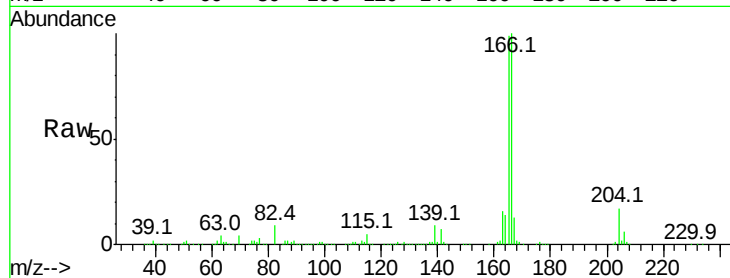
165 98.8 77.8 116.8

167 13.3 10.8 16.2

Manual Integrations
APPROVED

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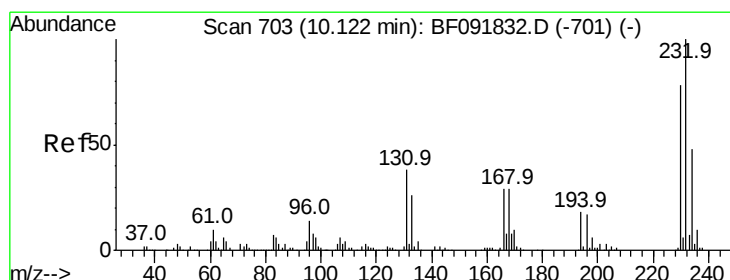
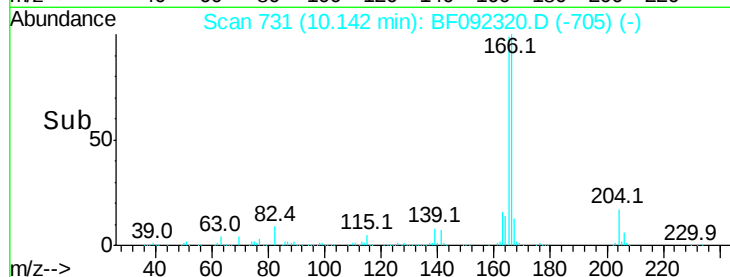
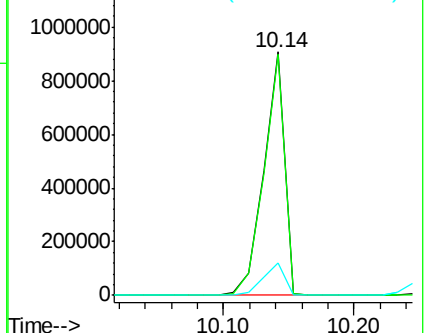
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 39.05 ng

RT: 9.92 min Scan# 712

Delta R.T. 0.00 min

Lab File: BF092320.D

Acq: 17 Jan 2017 17:06

Tgt Ion:232 Resp: 232966

Ion Ratio Lower Upper

232 100

131 50.3 40.1 60.1

130 2.3 1.8 2.8

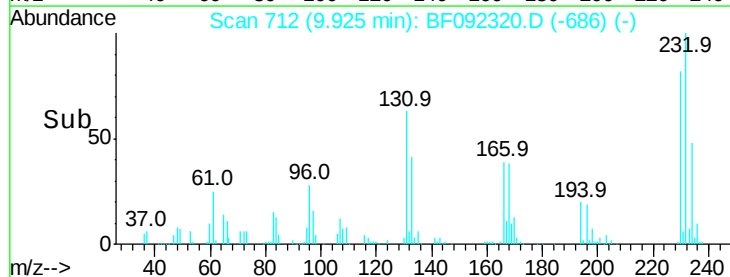
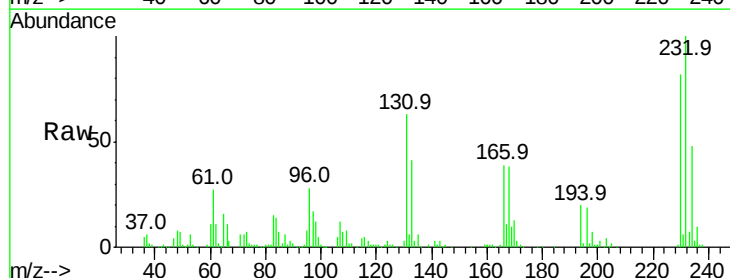
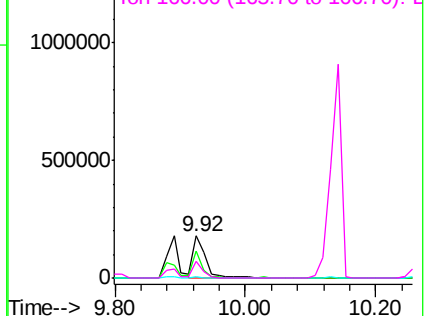
166 32.1 26.6 39.8

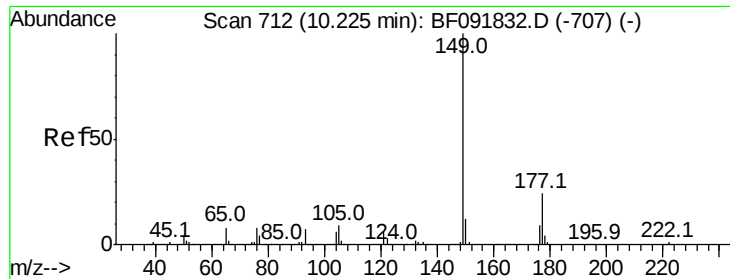
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





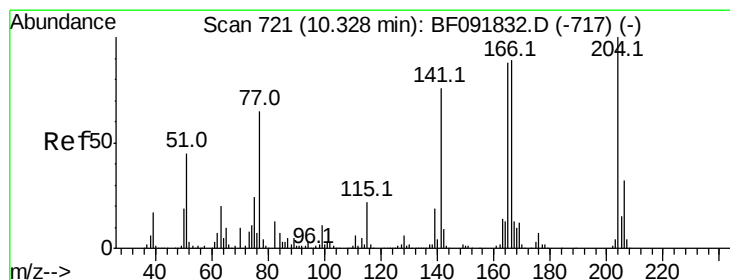
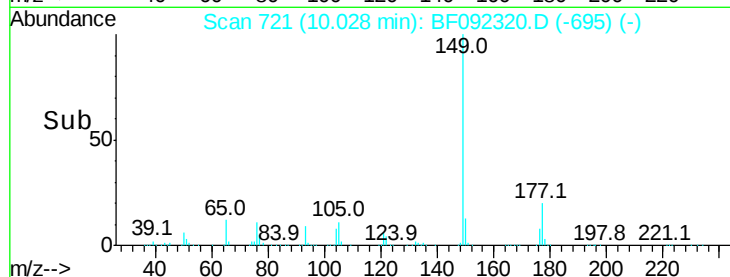
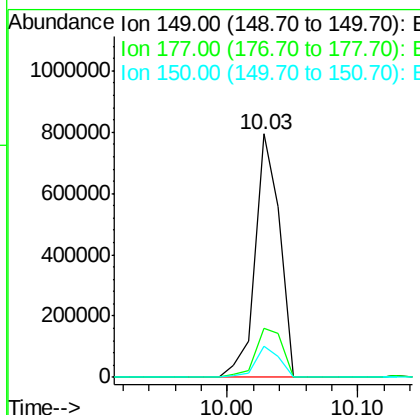
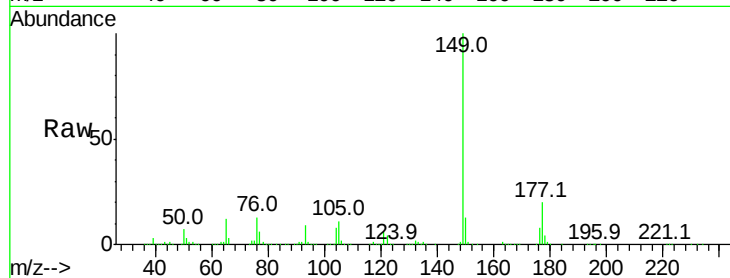
#59
Diethylphthalate
Concen: 40.29 ng
RT: 10.03 min Scan# 721
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Instrument :
BNA_F
ClientSampled :
PB96060BS

Tot Ion:149 Resp: 1038170
Ion Ratio Lower Upper
149 100
177 20.3 16.6 25.0
150 12.7 10.4 15.6

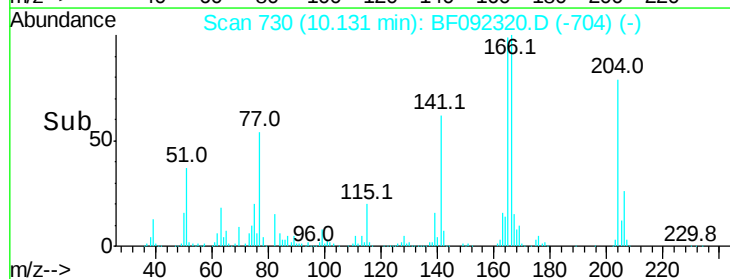
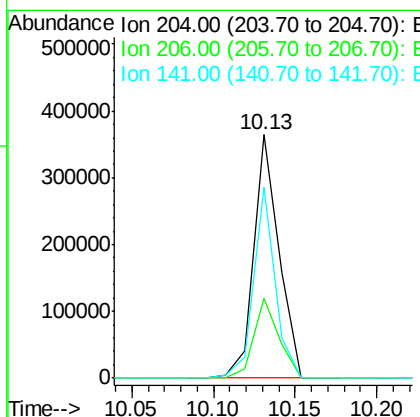
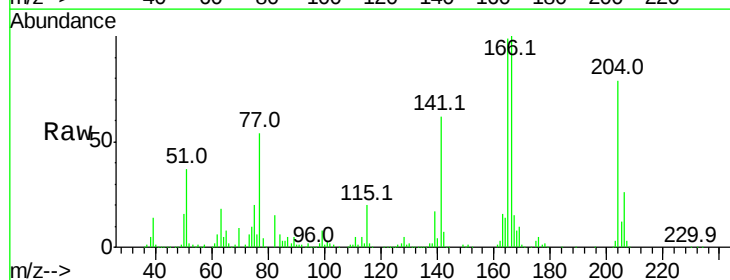
Manual Integrations
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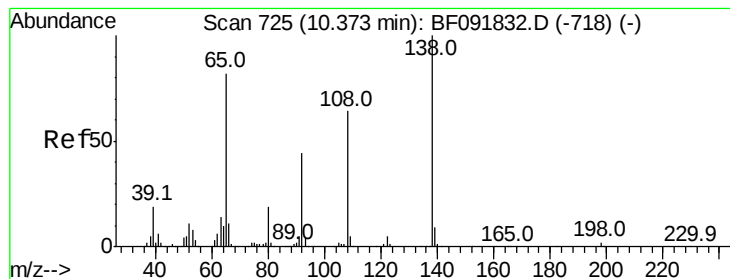
mohammad
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#60
4-Chlorophenyl-phenylether
Concen: 38.78 ng
RT: 10.13 min Scan# 730
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Tgt Ion:204 Resp: 391284
Ion Ratio Lower Upper
204 100
206 32.7 25.8 38.6
141 78.4 59.4 89.0





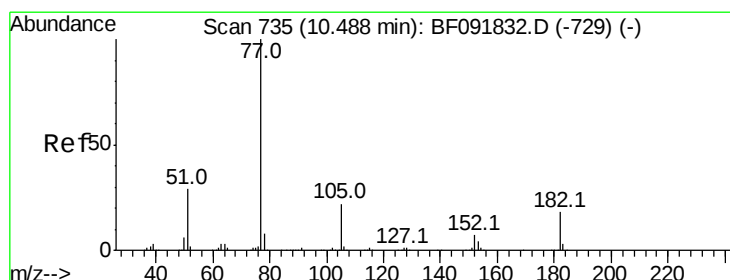
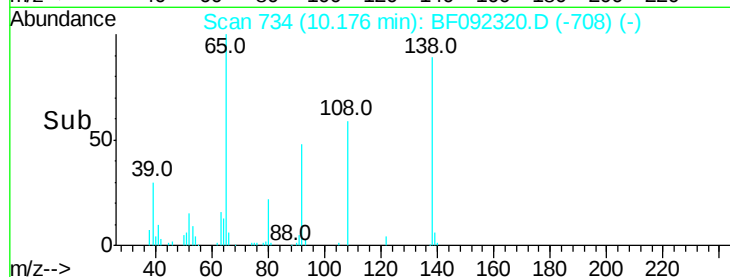
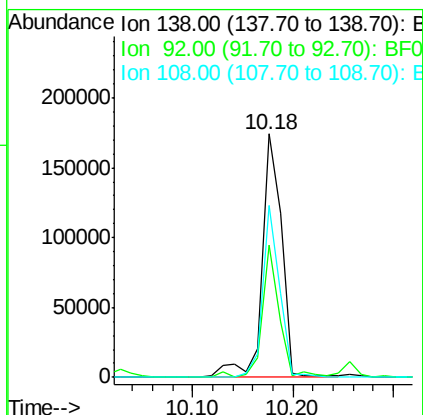
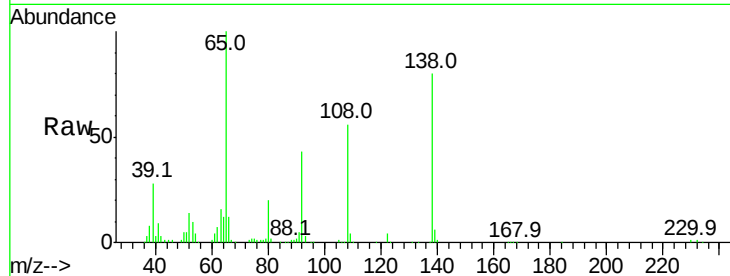
#61
4-Nitroaniline
Concen: 31.61 ng
RT: 10.18 min Scan# 734
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Instrument :
BNA_F
ClientSampleId :
PB96060BS

Tot Ion	Ratio	Lower	Upper
138	100		
92	54.2	31.7	71.7
108	70.5	52.6	92.6

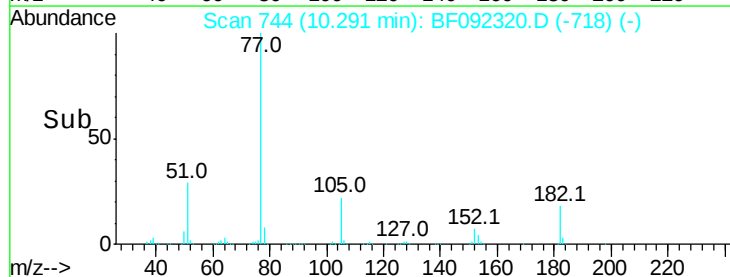
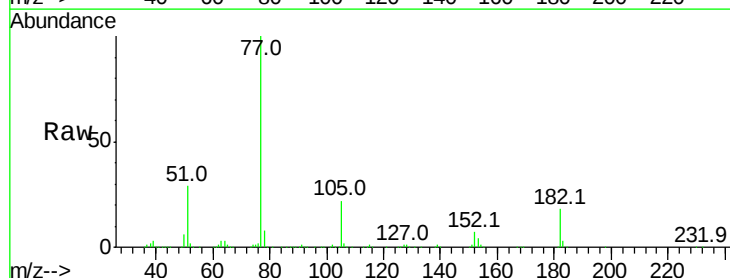
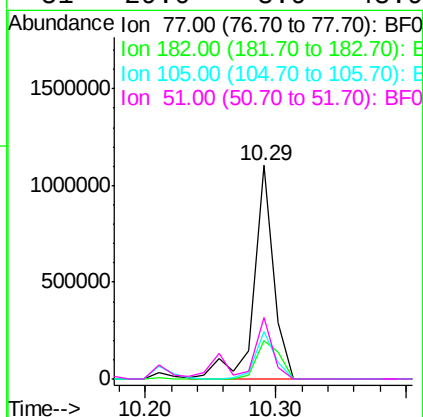
Manual Integrations
APPROVED

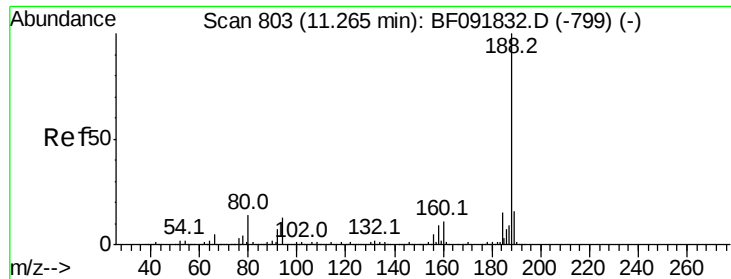
mohammad
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#62
Azobenzene
Concen: 41.39 ng
RT: 10.29 min Scan# 744
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Tgt Ion	Ratio	Lower	Upper
77	100		
182	17.8	0.0	39.3
105	22.5	2.3	42.3
51	29.0	8.9	48.9





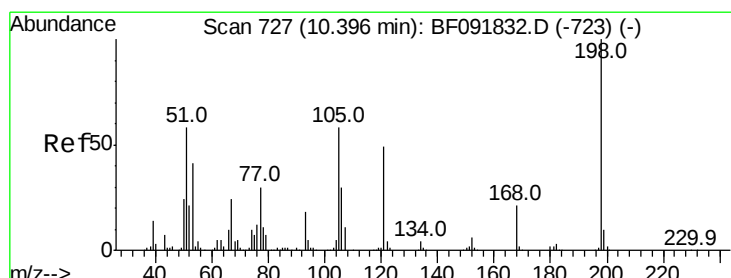
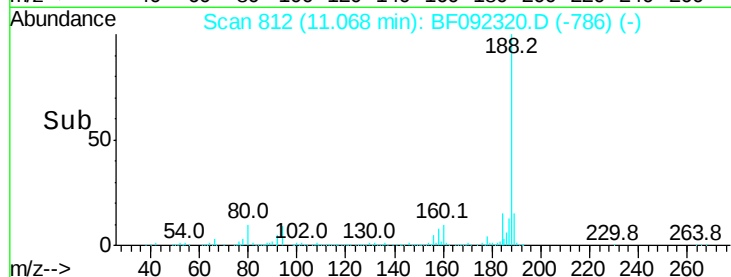
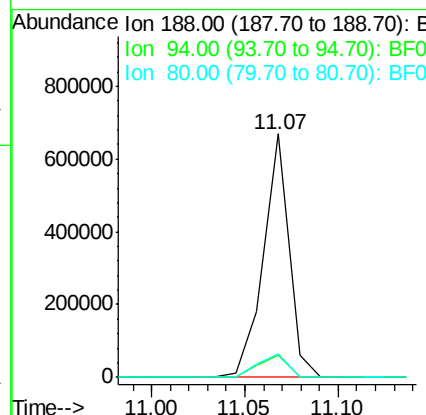
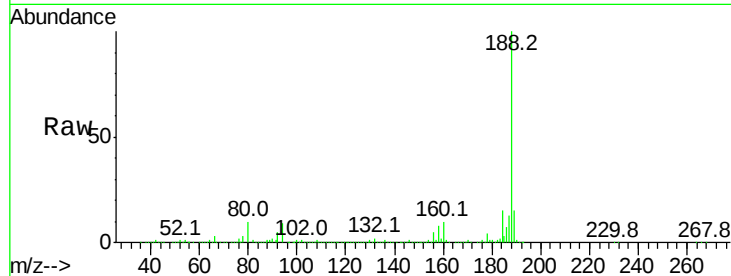
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.07 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Instrument :
BNA_F
ClientSampleId :
PB96060BS

Tot Ion	Ratio	Resp	Lower	Upper
188	100	633538		
94	8.9	10.0	15.0#	
80	9.7	11.2	16.8#	

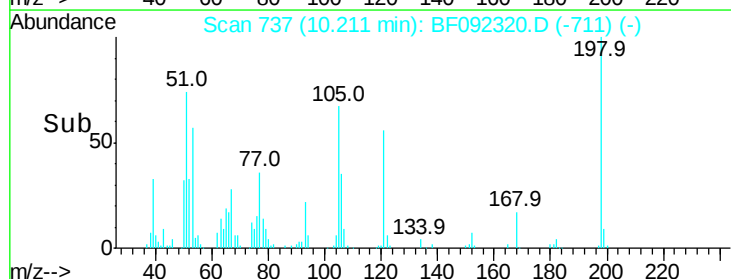
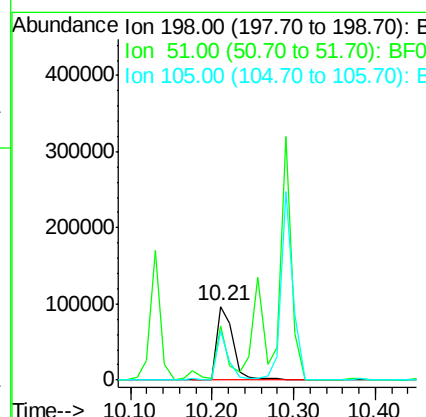
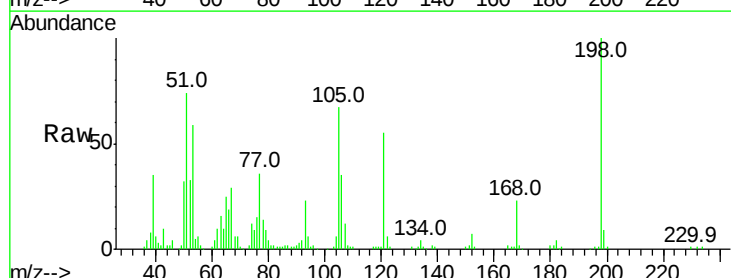
Manual Integrations
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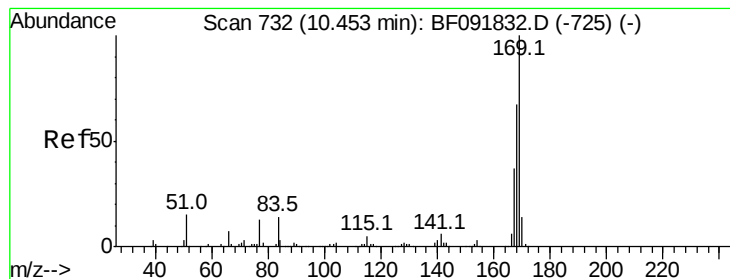
mohammad
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#64
4,6-Dinitro-2-methylphenol
Concen: 35.40 ng
RT: 10.21 min Scan# 737
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	135617		
51	74.3	6.7	46.7#	
105	66.6	16.6	56.6#	





#65

n-Nitrosodiphenylamine

Concen: 42.41 ng

RT: 10.26 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF092320.D

Acq: 17 Jan 2017 17:06

Instrument :

BNA_F

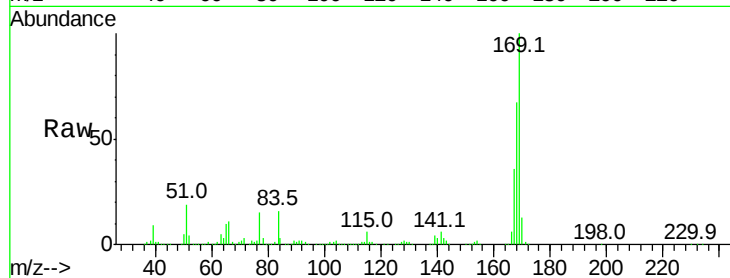
ClientSampleId :

PB96060BS

Tot Ion:	169	Resp:	797367
Ion Ratio	Lower	Upper	
169	100		
168	67.3	54.2	81.2
167	36.3	30.2	45.4

Manual Integrations
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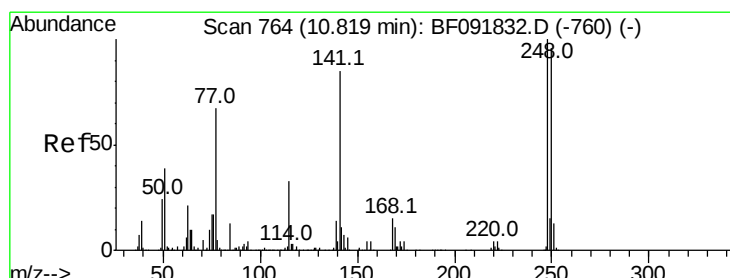
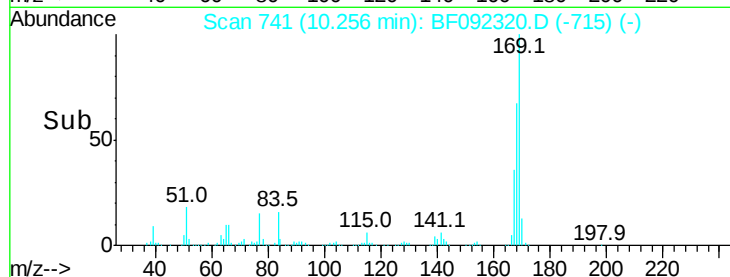
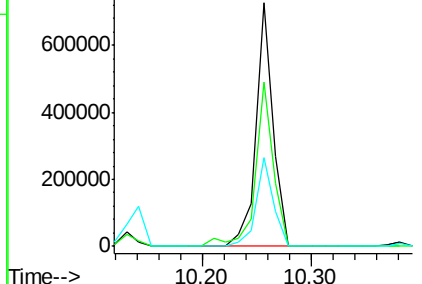
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Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 45.81 ng

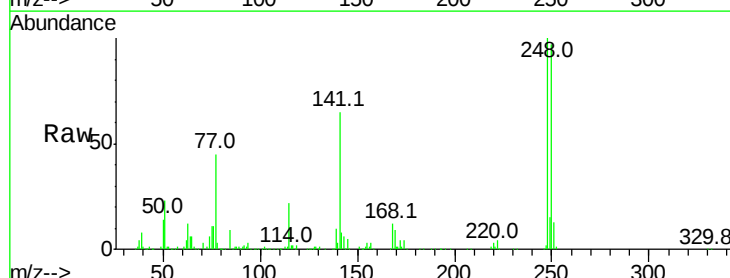
RT: 10.62 min Scan# 773

Delta R.T. 0.00 min

Lab File: BF092320.D

Acq: 17 Jan 2017 17:06

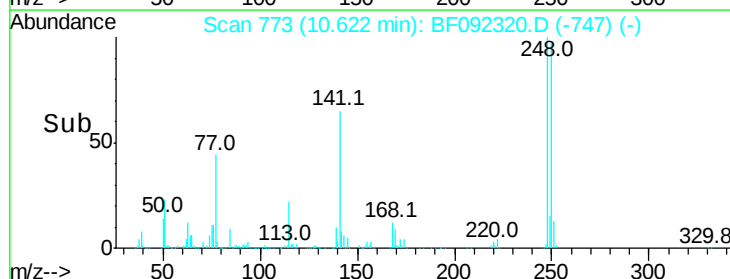
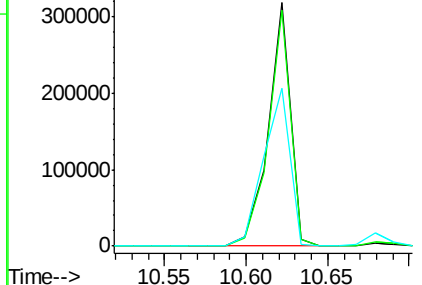
Tgt Ion:	248	Resp:	301886
Ion Ratio	Lower	Upper	
248	100		
250	97.1	76.9	115.3
141	64.9	68.2	102.4#

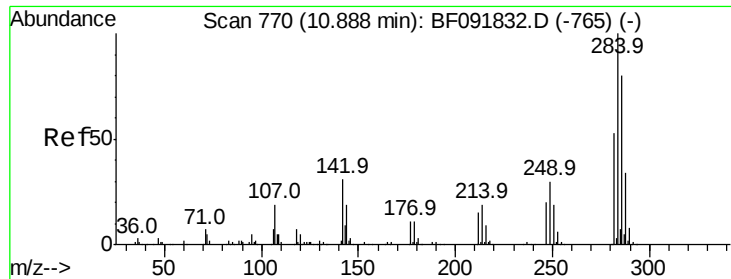


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 42.41 ng

RT: 10.69 min Scan# 779

Delta R.T. 0.01 min

Lab File: BF092320.D

Acq: 17 Jan 2017 17:06

Instrument :

BNA_F

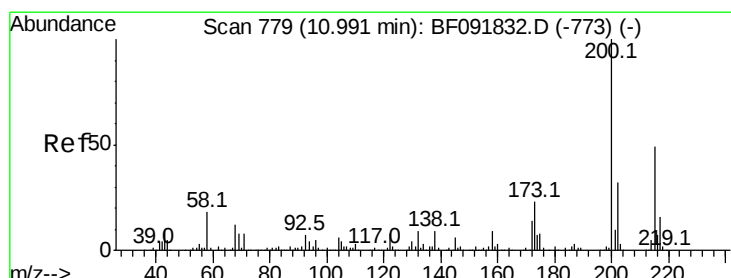
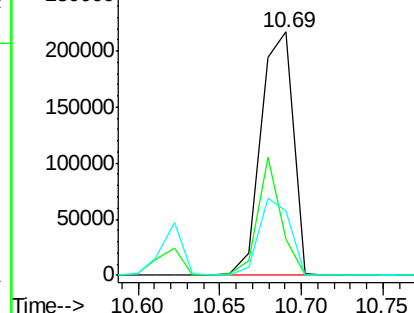
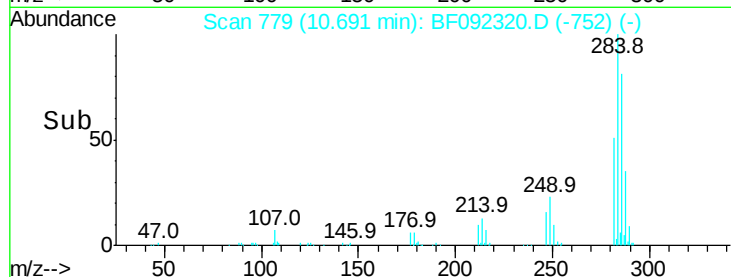
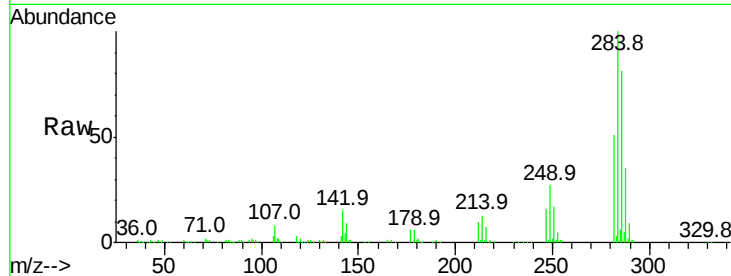
ClientSampleId :

PB96060BS

Tot Ion:	284	Resp:	298773
Ion Ratio	Lower	Upper	
284	100		
142	14.7	22.6	33.8#
249	26.5	25.4	38.0

Manual Integrations
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#68

Atrazine

Concen: 41.24 ng

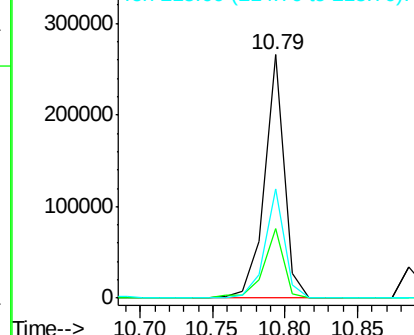
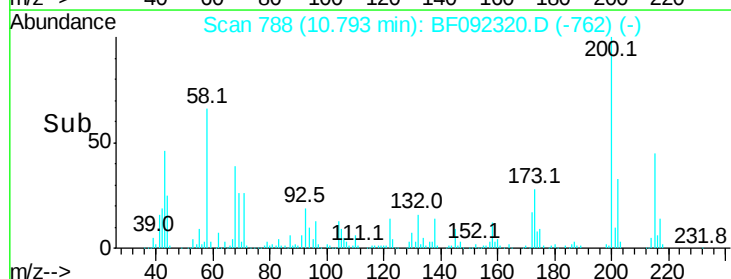
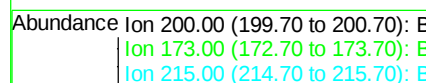
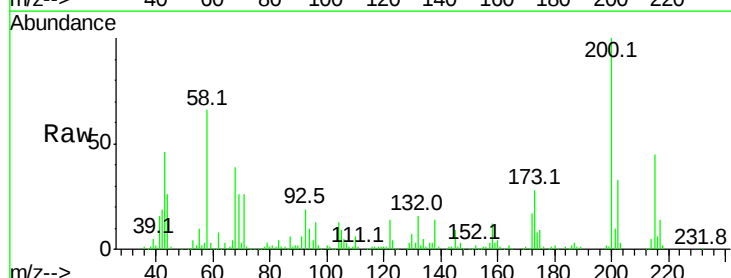
RT: 10.79 min Scan# 788

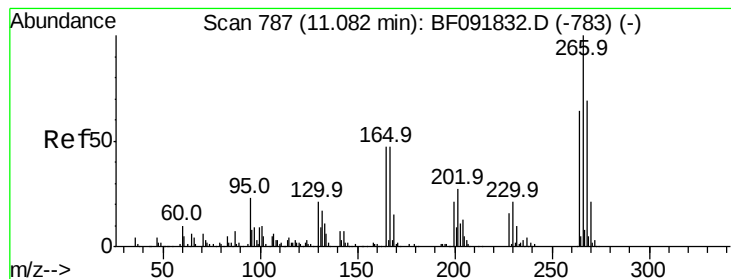
Delta R.T. 0.00 min

Lab File: BF092320.D

Acq: 17 Jan 2017 17:06

Tgt Ion:	200	Resp:	250087
Ion Ratio	Lower	Upper	
200	100		
173	28.4	9.6	49.6
215	44.7	25.7	65.7





#69

Pentachlorophenol

Concen: 63.37 ng

RT: 10.88 min Scan# 796

Delta R.T. 0.00 min

Lab File: BF092320.D

Acq: 17 Jan 2017 17:06

Instrument :

BNA_F

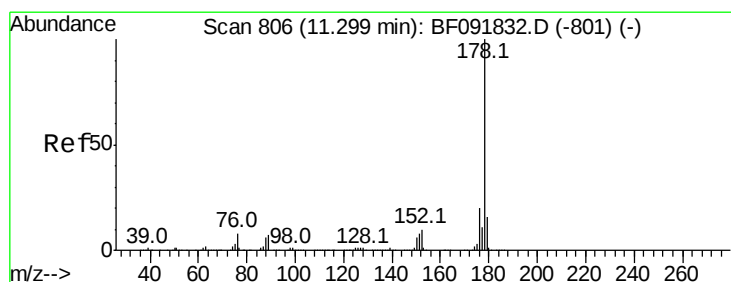
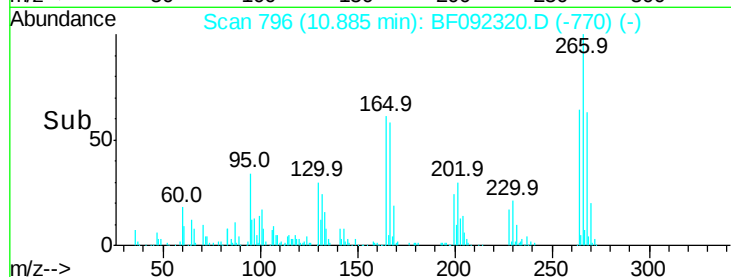
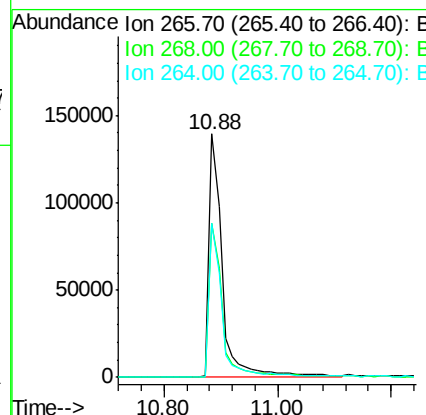
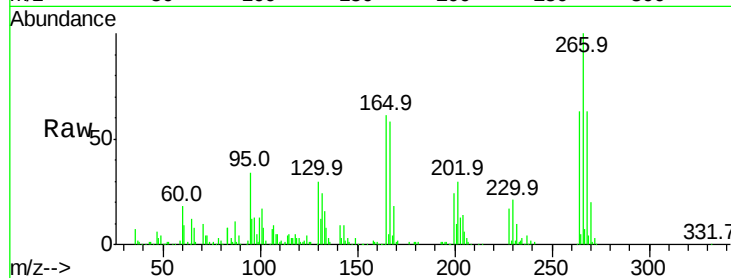
ClientSampleId :

PB96060BS

Tot Ion:	266	Resp:	219033
Ion Ratio	Lower	Upper	
266	100		
268	63.3	53.3	79.9
264	63.4	50.3	75.5

Manual Integrations
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#70

Phenanthrene

Concen: 39.58 ng

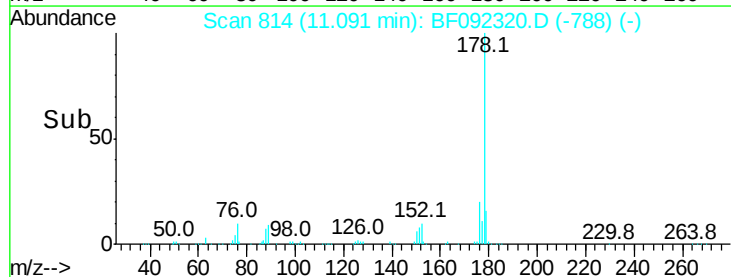
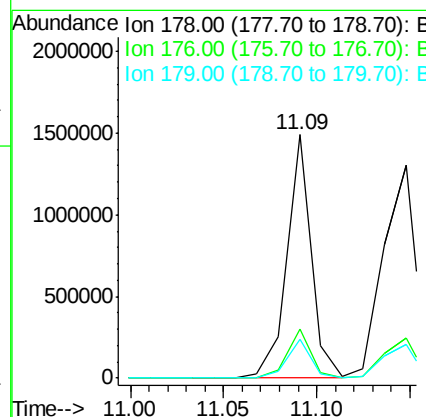
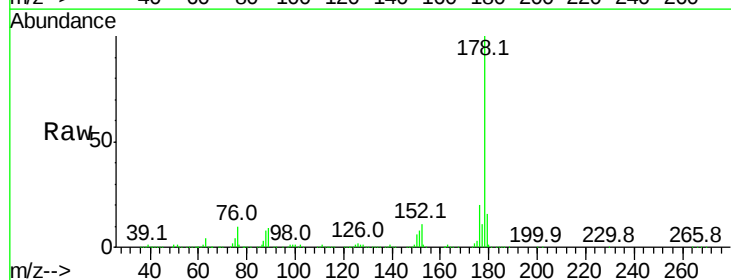
RT: 11.09 min Scan# 814

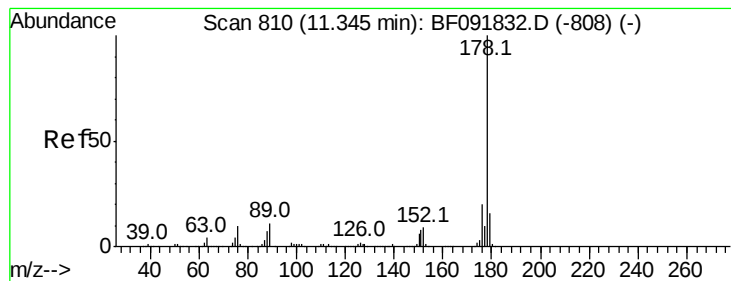
Delta R.T. 0.00 min

Lab File: BF092320.D

Acq: 17 Jan 2017 17:06

Tgt Ion:	178	Resp:	1359601
Ion Ratio	Lower	Upper	
178	100		
176	20.0	16.6	25.0
179	16.1	12.8	19.2





#71
 Anthracene
 Concen: 52.60 ng
 RT: 11.15 min Scan# 819
 Delta R.T. 0.01 min
 Lab File: BF092320.D
 Acq: 17 Jan 2017 17:06

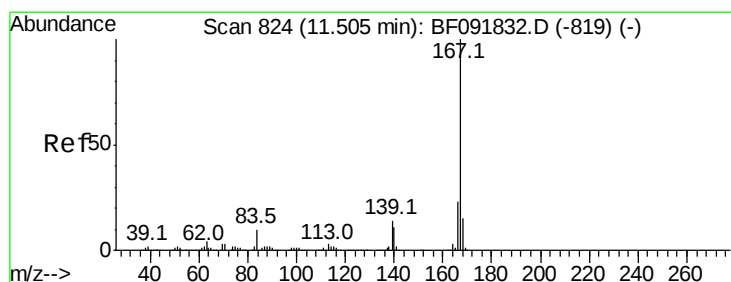
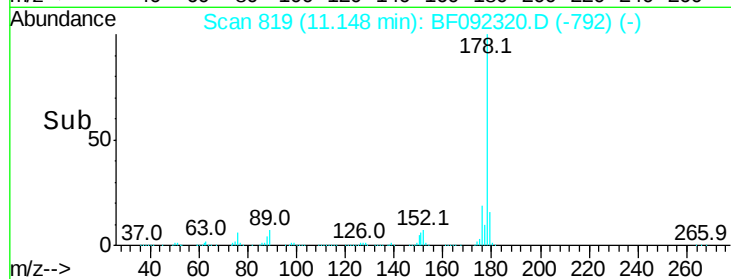
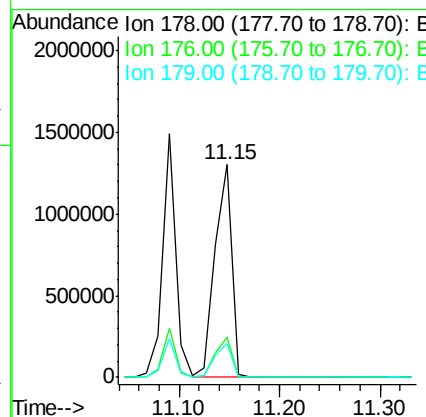
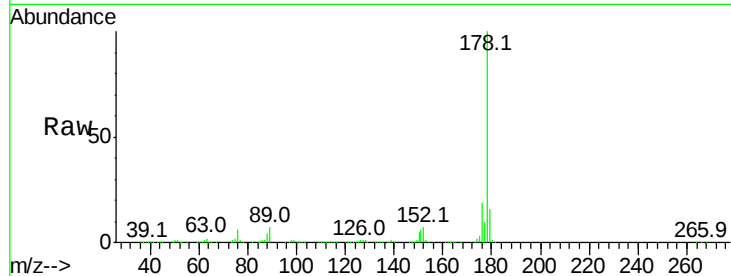
Instrument :
 BNA_F
 ClientSampleId :
 PB96060BS

Tot Ion:178 Resp: 1509844

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.9	23.9
179	15.6	13.2	19.8

Manual Integrations
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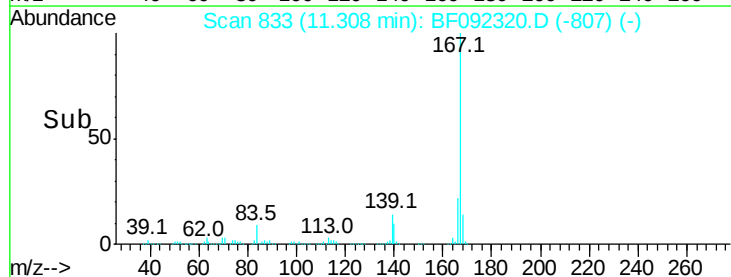
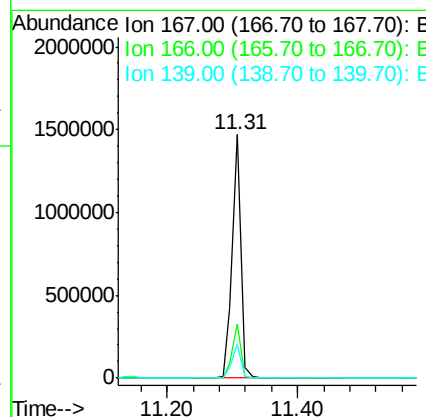
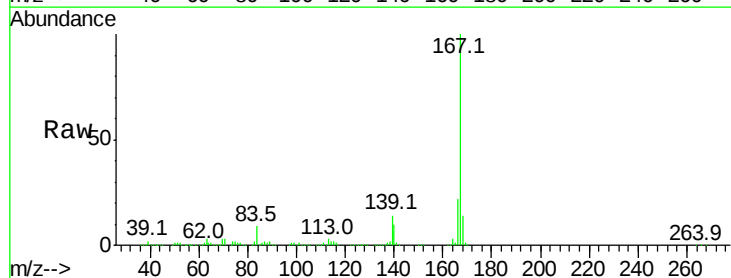
mohammad
 1/18/2017 5:11:25 PM

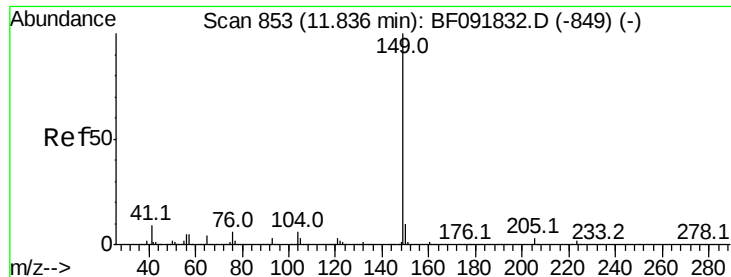


#72
 Carbazole
 Concen: 51.18 ng
 RT: 11.31 min Scan# 833
 Delta R.T. 0.00 min
 Lab File: BF092320.D
 Acq: 17 Jan 2017 17:06

Tgt Ion:167 Resp: 1359165

Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.2	27.2
139	13.7	11.4	17.2





#73

Di-n-butylphthalate

Concen: 51.40 ng

RT: 11.65 min Scan# 863

Delta R.T. 0.01 min

Lab File: BF092320.D

Acq: 17 Jan 2017 17:06

Instrument :

BNA_F

ClientSampleId :

PB96060BS

Tot Ion:149 Resp: 1654265

Ion Ratio Lower Upper

149 100

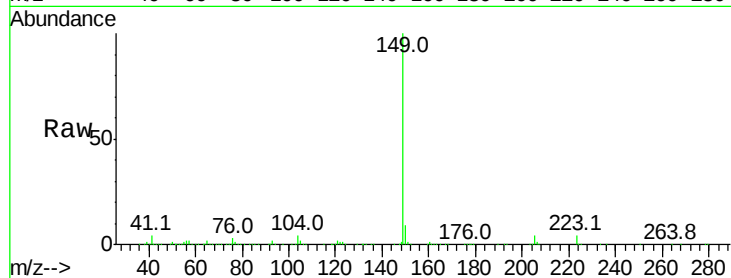
150 9.1 8.1 12.1

104 3.5 4.6 7.0#

Manual Integrations
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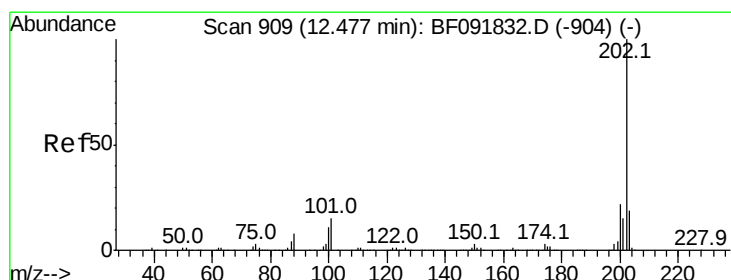
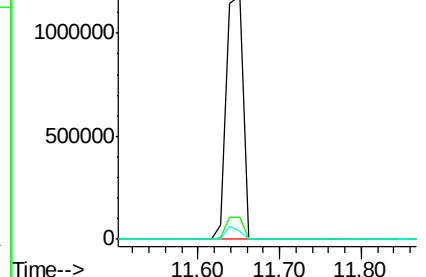
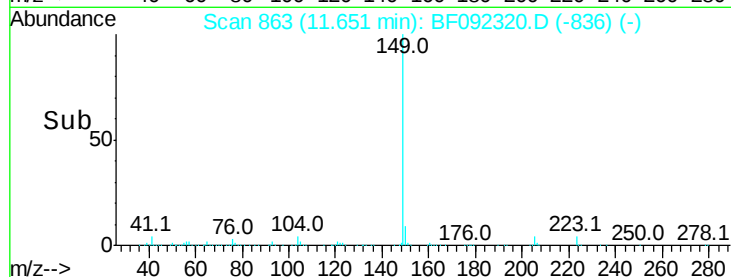
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 45.86 ng

RT: 12.27 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF092320.D

Acq: 17 Jan 2017 17:06

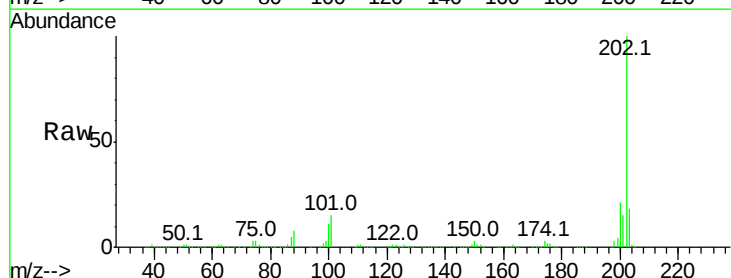
Tgt Ion:202 Resp: 1379937

Ion Ratio Lower Upper

202 100

101 15.4 0.0 34.6

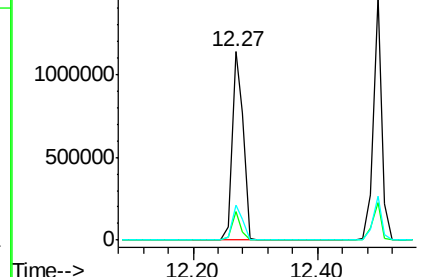
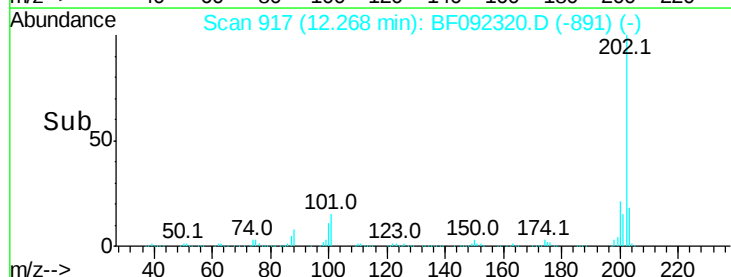
203 18.4 0.0 38.7

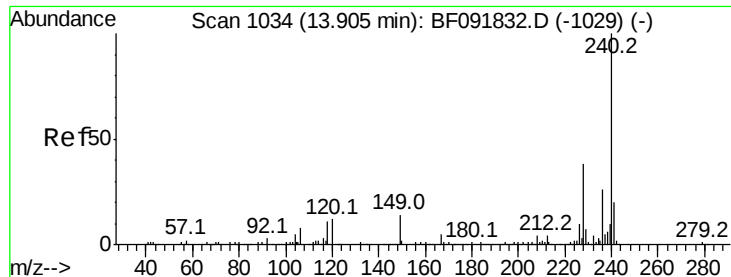


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.70 min Scan# 1042

Delta R.T. 0.00 min

Lab File: BF092320.D

Acq: 17 Jan 2017 17:06

Instrument :

BNA_F

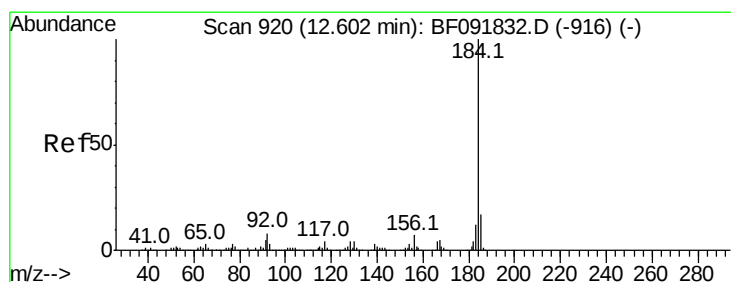
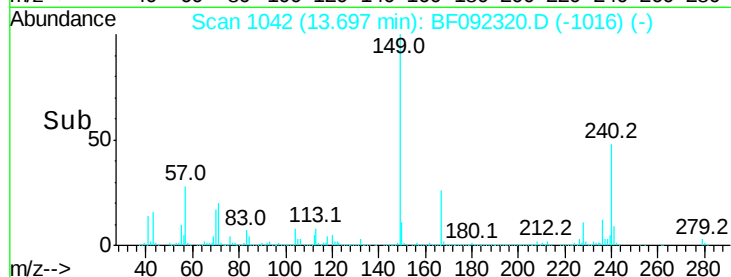
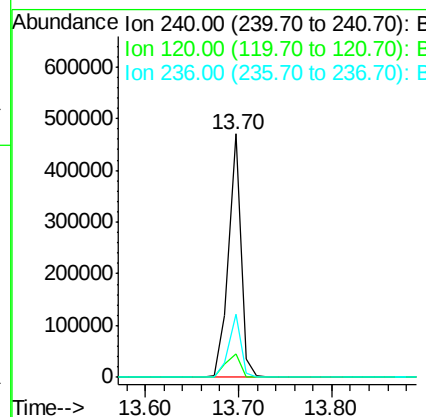
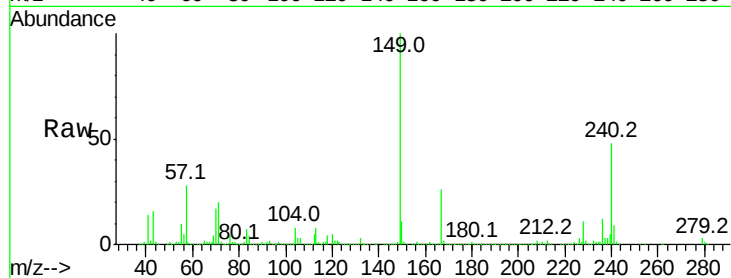
ClientSampleId :

PB96060BS

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.7	12.9	19.3#
236	25.7	20.9	31.3

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#76

Benzidine

Concen: 38.53 ng

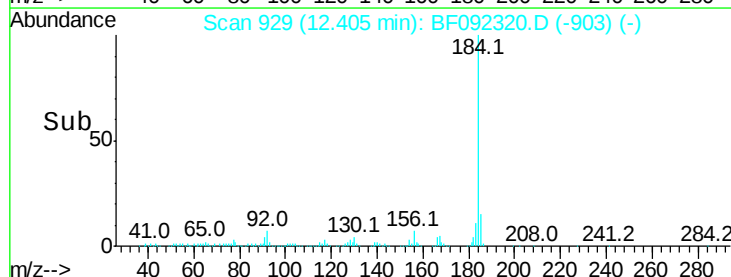
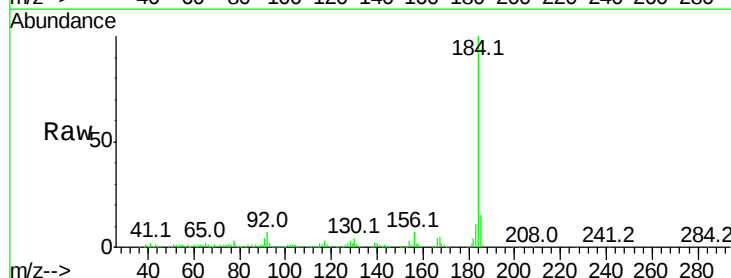
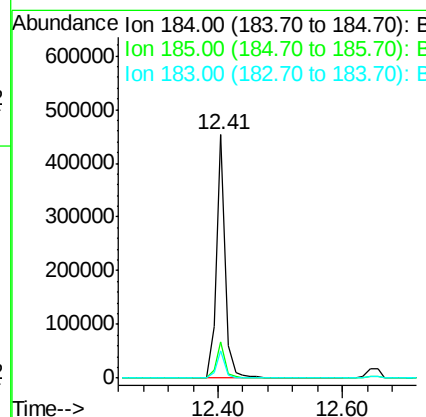
RT: 12.41 min Scan# 929

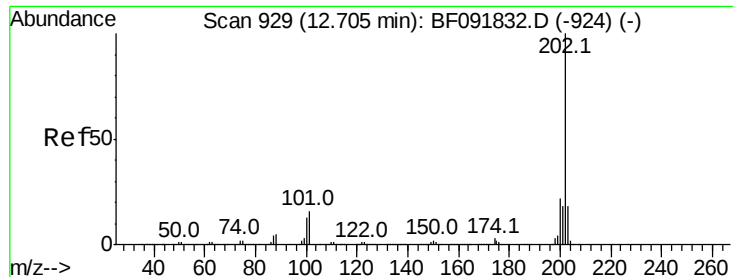
Delta R.T. 0.00 min

Lab File: BF092320.D

Acq: 17 Jan 2017 17:06

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.7	13.4	20.0
183	11.2	9.2	13.8





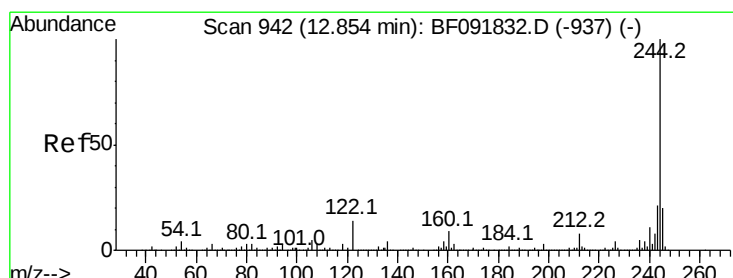
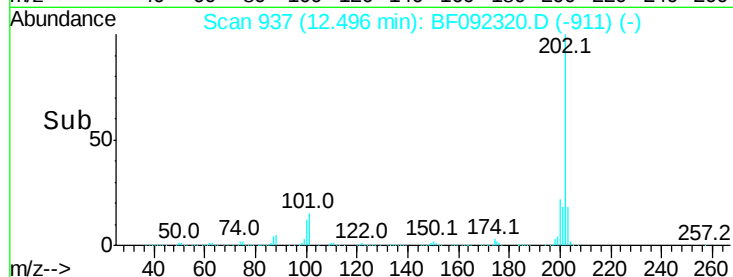
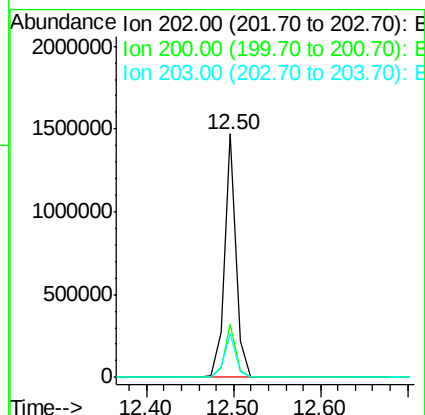
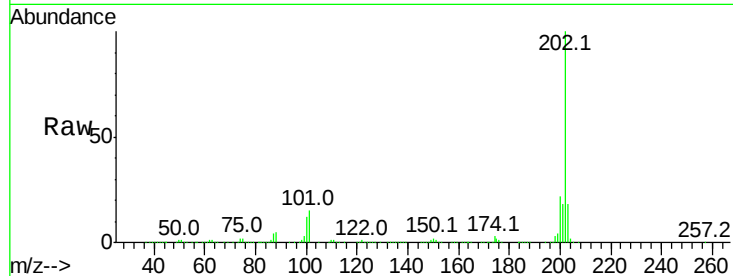
#77
Pvrene
Concen: 42.60 ng
RT: 12.50 min Scan# 937
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Instrument :
BNA_F
ClientSampleId :
PB96060BS

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.7	26.5
203	18.2	14.7	22.1

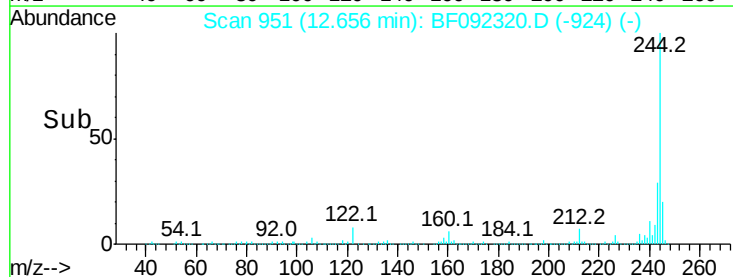
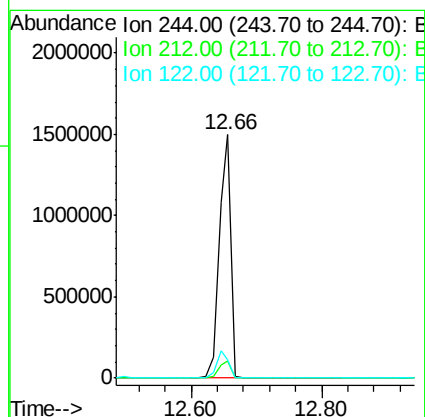
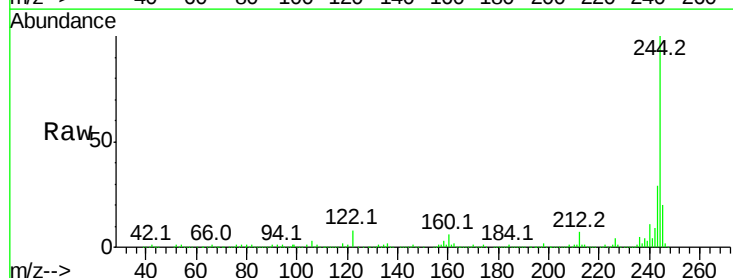
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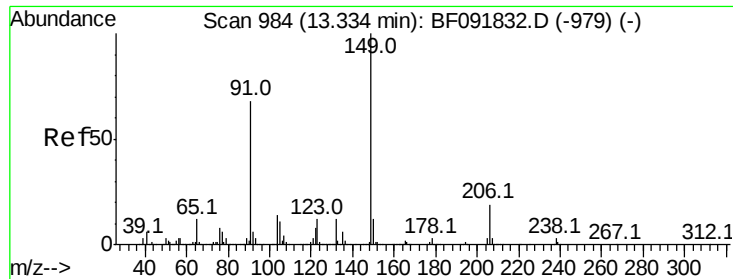
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#78
Terphenyl-d14
Concen: 104.79 ng
RT: 12.66 min Scan# 951
Delta R.T. 0.01 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.2	9.2
122	7.7	11.4	17.2#





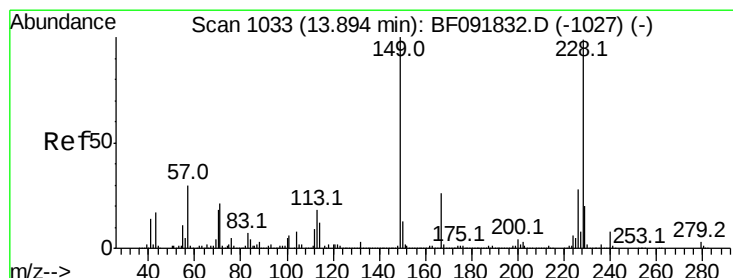
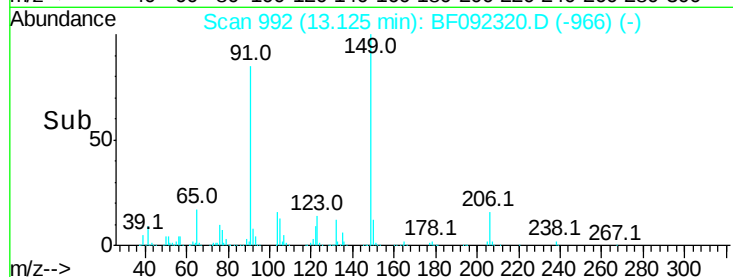
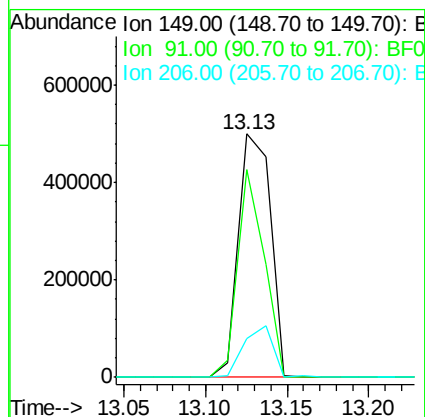
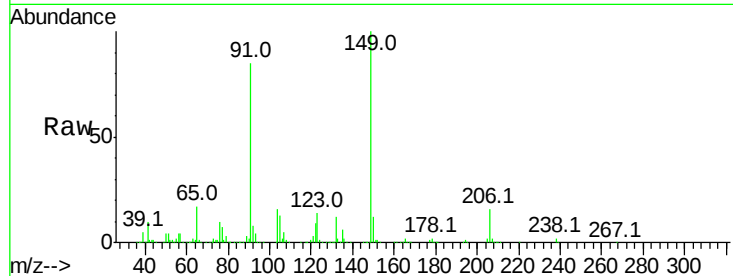
#79
Butylbenzylphthalate
Concen: 46.61 ng
RT: 13.13 min Scan# 992
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Instrument :
BNA_F
ClientSampleId :
PB96060BS

Tot Ion	Ratio	Lower	Upper
149	100		
91	85.3	63.9	95.9
206	16.0	14.6	21.8

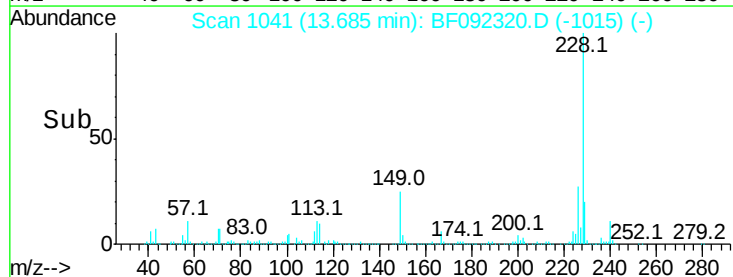
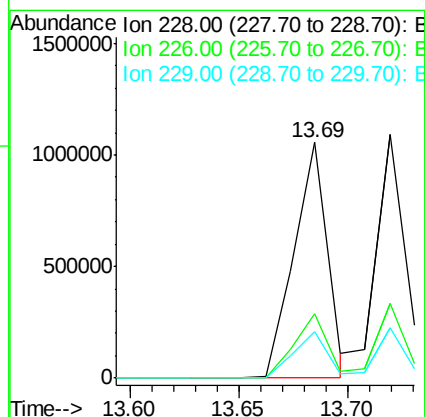
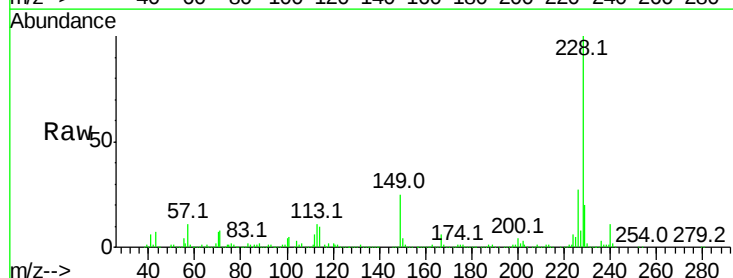
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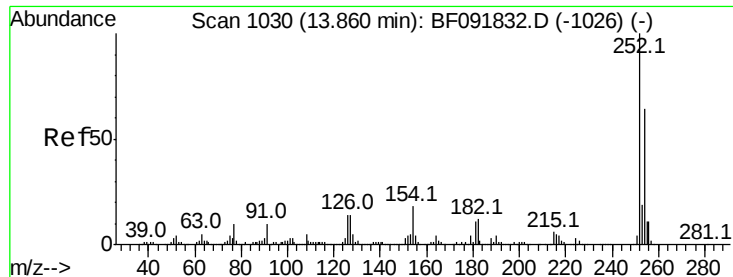
mohammad
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#80
Benzo(a)anthracene
Concen: 46.02 ng
RT: 13.69 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.4	33.6
229	19.7	16.2	24.4





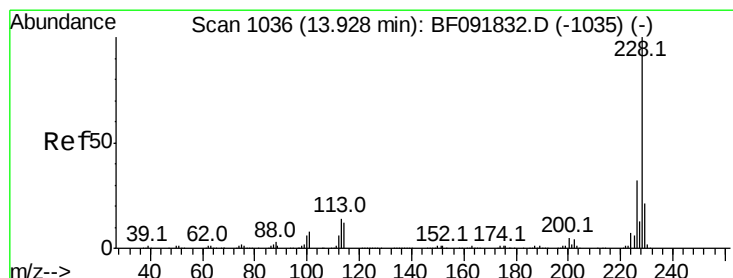
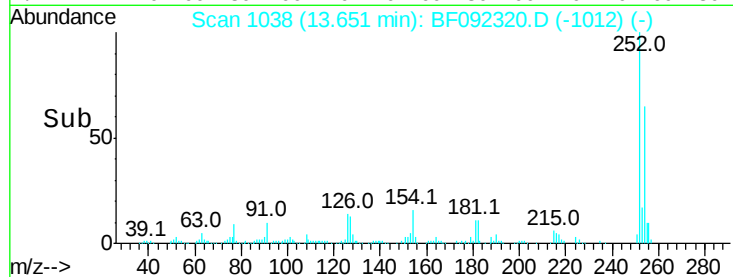
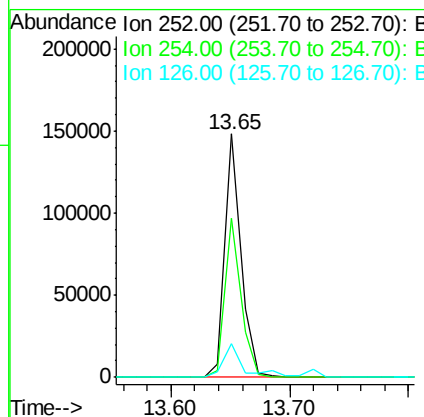
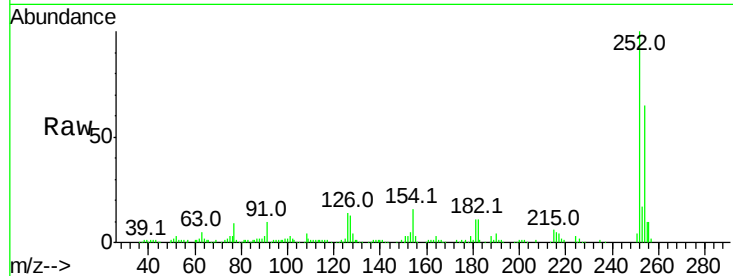
#81
 3,3'-Dichlorobenzidine
 Concen: 14.96 ng
 RT: 13.65 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: BF092320.D
 Acq: 17 Jan 2017 17:06

Instrument :
 BNA_F
 ClientSampleId :
 PB96060BS

Tot Ion	Ratio	Resp	Lower	Upper
252	100	139425		
254	65.3	52.3	78.5	
126	13.7	13.6	20.4	

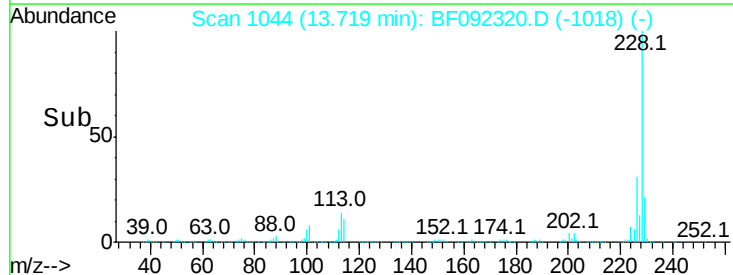
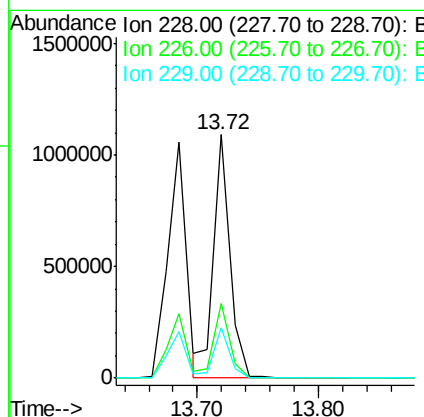
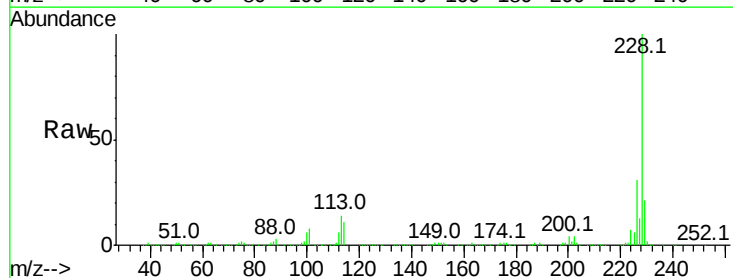
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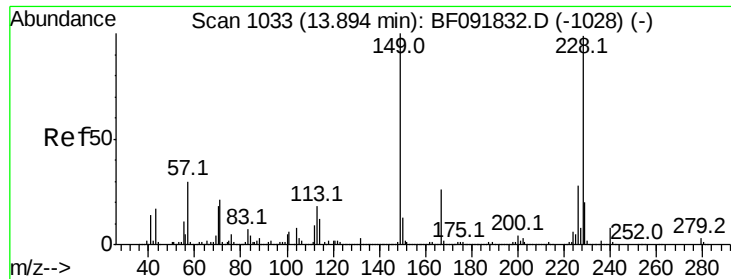
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#82
 Chrysene
 Concen: 41.36 ng m
 RT: 13.72 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: BF092320.D
 Acq: 17 Jan 2017 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1019629		
226	30.7	25.4	38.0	
229	20.7	16.2	24.2	





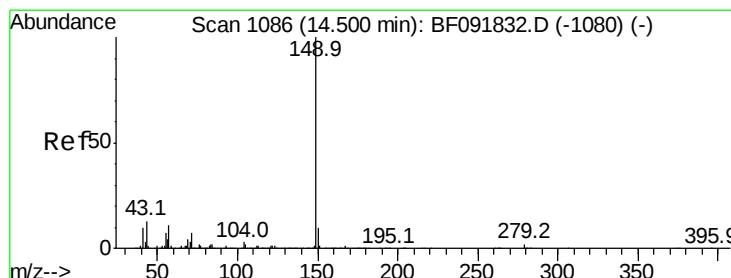
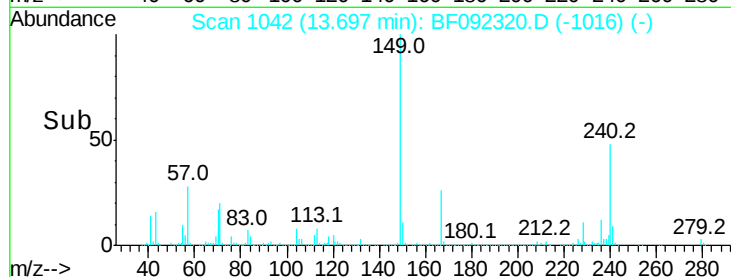
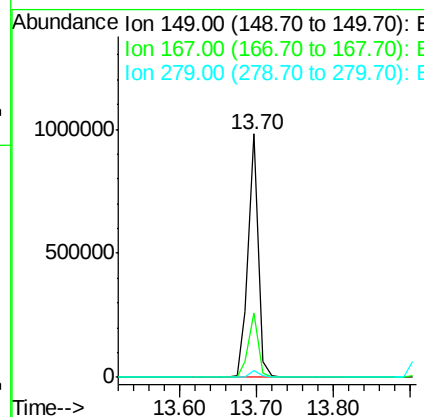
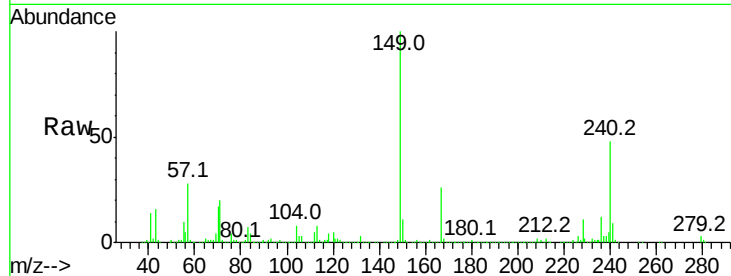
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 53.33 ng
 RT: 13.70 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: BF092320.D
 Acq: 17 Jan 2017 17:06

Instrument :
 BNA_F
 ClientSampleId :
 PB96060BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	912383		
167	26.3	20.2	30.4	
279	2.9	1.8	2.8#	

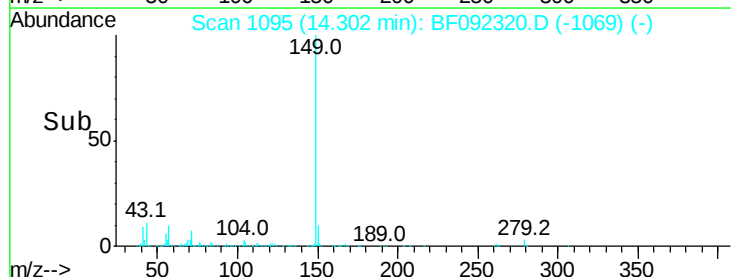
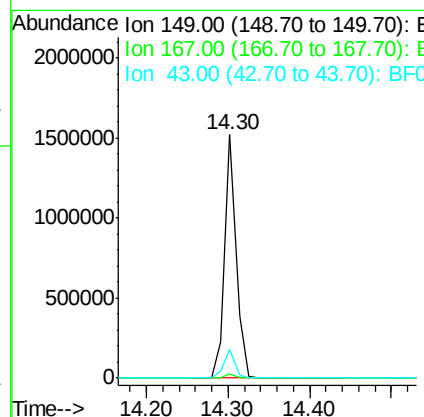
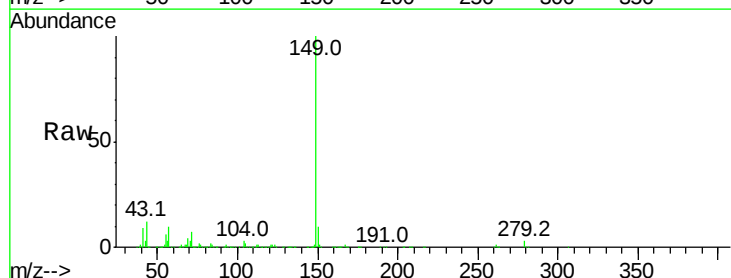
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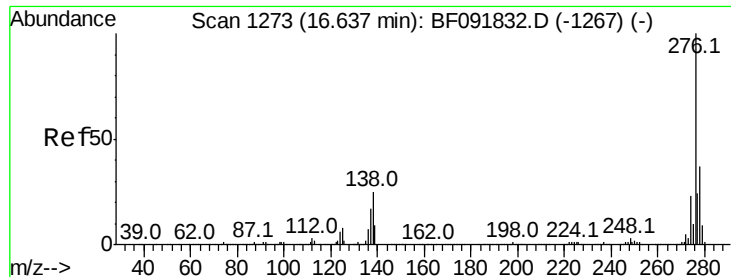
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#84
 Di-n-octyl phthalate
 Concen: 46.81 ng
 RT: 14.30 min Scan# 1095
 Delta R.T. 0.00 min
 Lab File: BF092320.D
 Acq: 17 Jan 2017 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1483374		
167	1.6	1.3	1.9	
43	11.2	8.9	13.3	





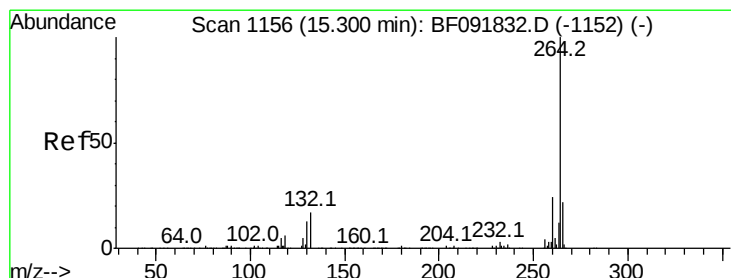
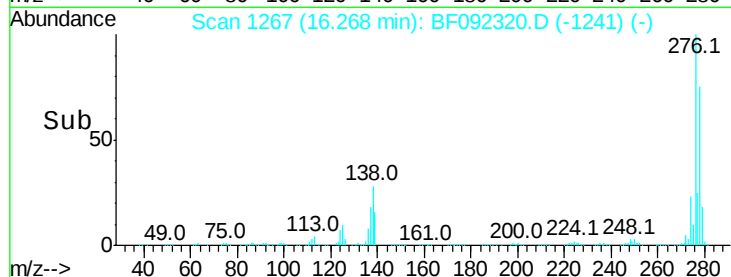
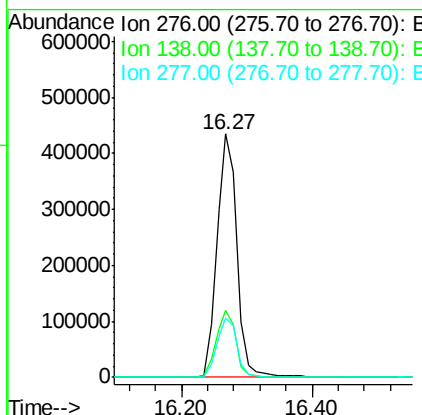
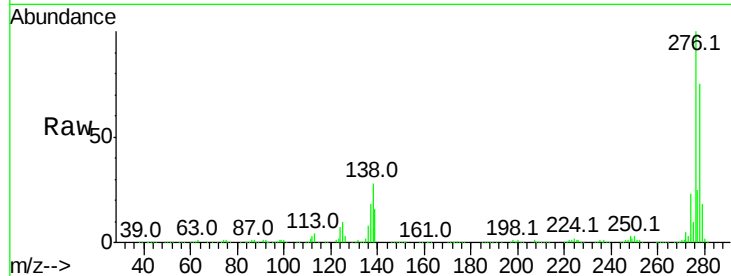
#85
Indeno(1,2,3-cd)pyrene
Concen: 43.69 ng
RT: 16.27 min Scan# 1267
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Instrument :
BNA_F
ClientSampleId :
PB96060BS

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.4	21.8	32.6
277	24.7	20.2	30.4

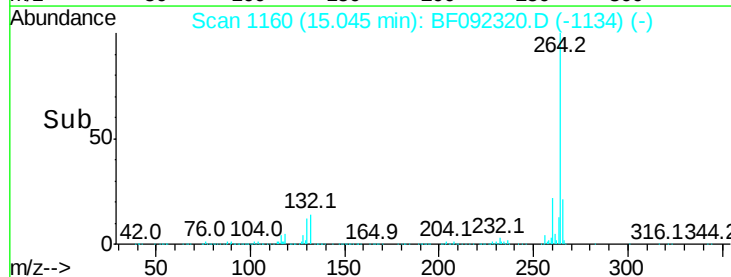
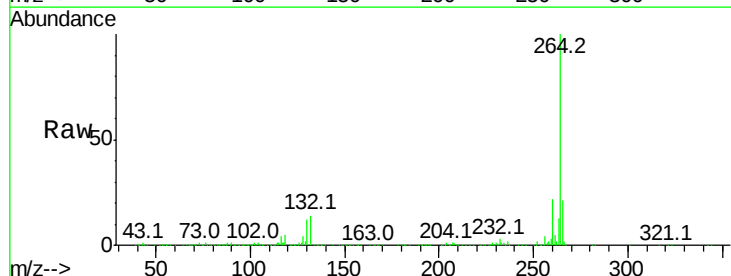
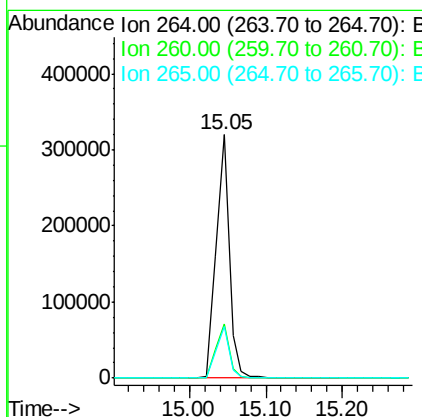
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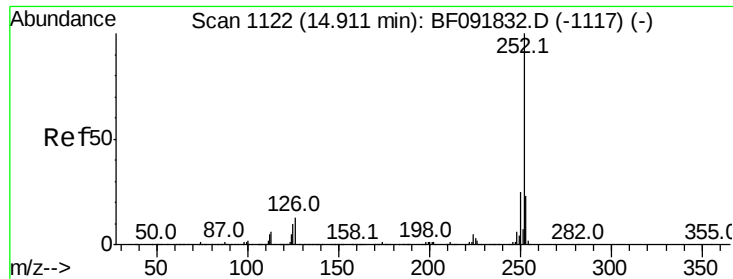
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.2	28.8
265	21.2	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 52.98 ng m

RT: 14.69 min Scan# 1129

Delta R.T. 0.01 min

Lab File: BF092320.D

Acq: 17 Jan 2017 17:06

Instrument :

BNA_F

ClientSampleId :

PB96060BS

Tot Ion:252 Resp: 1261818

Ion Ratio Lower Upper

252 100

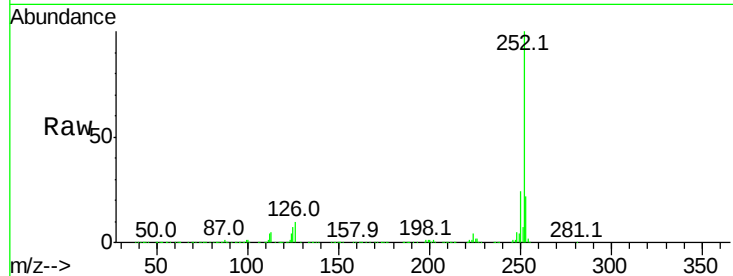
253 21.9 18.2 27.4

125 7.3 9.8 14.6#

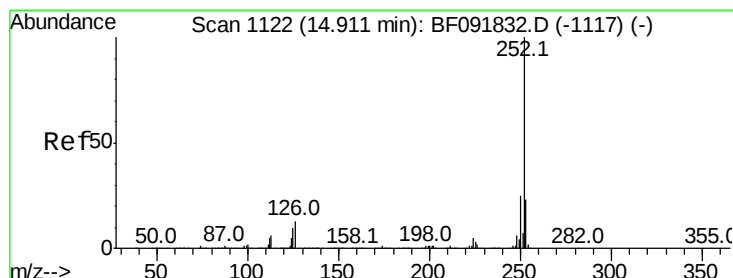
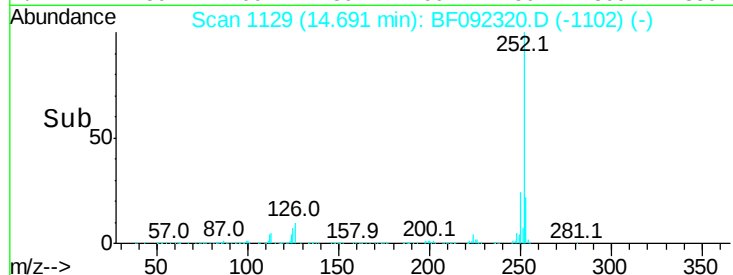
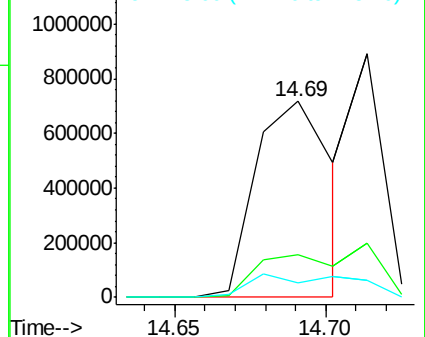
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 32.37 ng m

RT: 14.71 min Scan# 1131

Delta R.T. 0.01 min

Lab File: BF092320.D

Acq: 17 Jan 2017 17:06

Tgt Ion:252 Resp: 657402

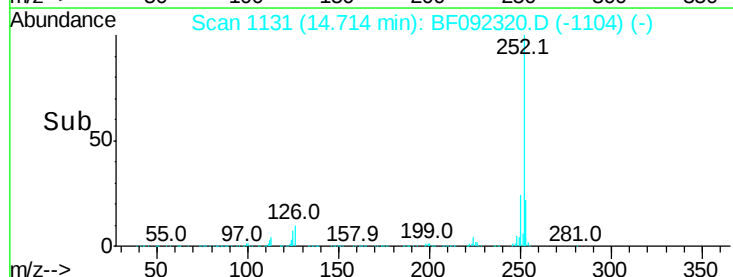
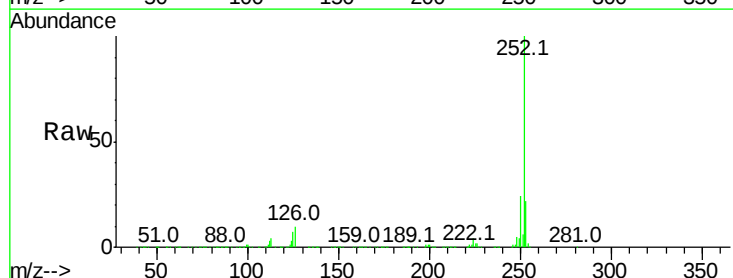
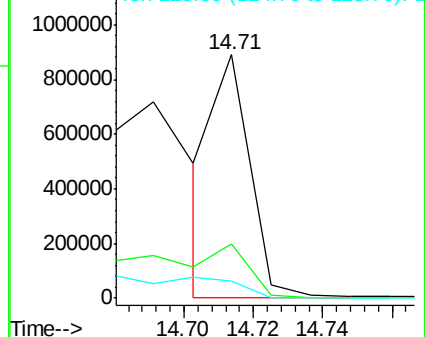
Ion Ratio Lower Upper

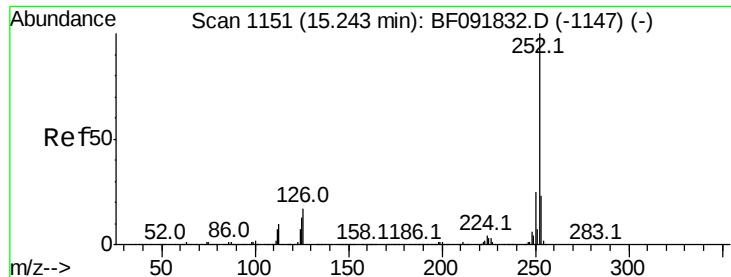
252 100

253 22.1 18.5 27.7

125 7.2 8.9 13.3#

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





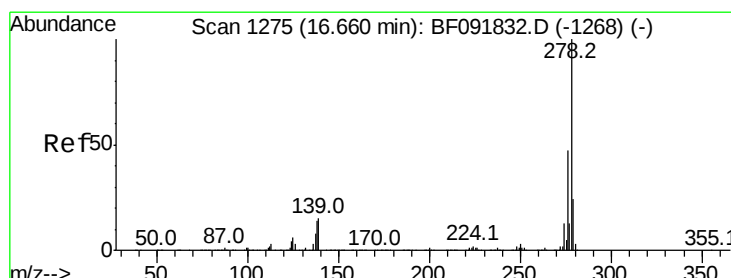
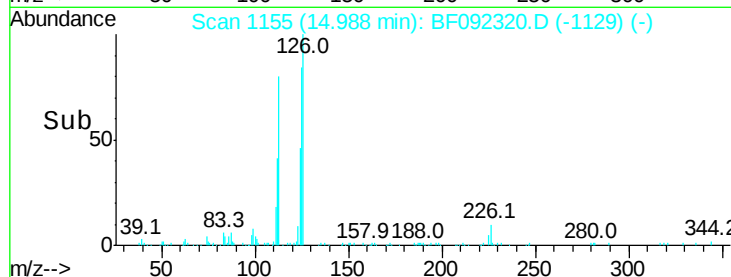
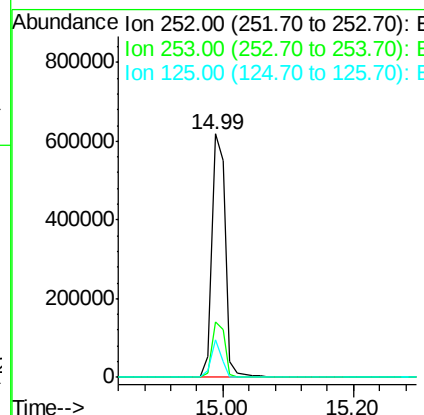
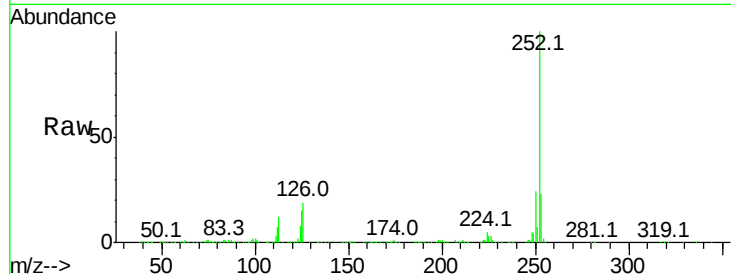
#89
Benzo(a)pyrene
Concen: 41.77 ng
RT: 14.99 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Instrument :
BNA_F
ClientSampleId :
PB96060BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	15.2	10.0	15.0

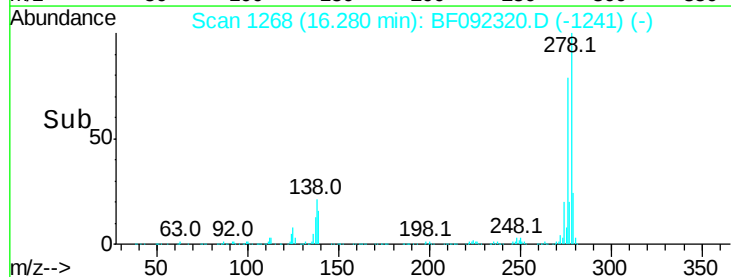
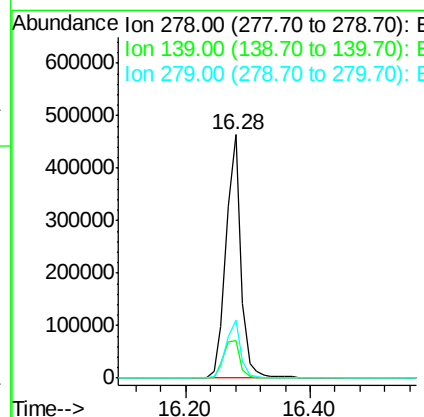
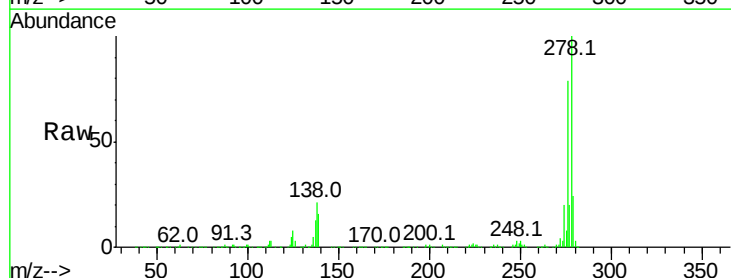
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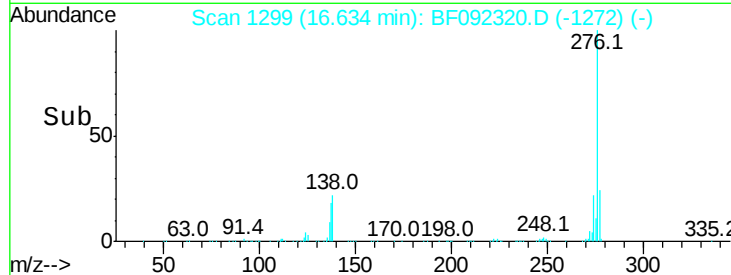
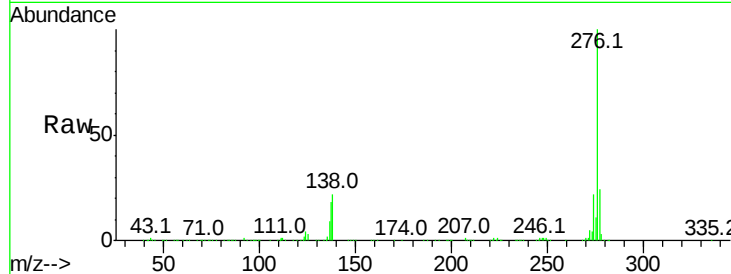
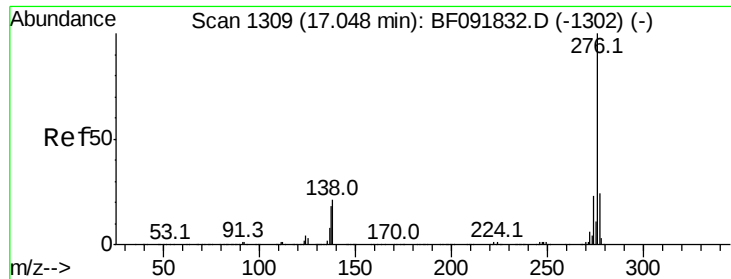
mohammad
1/18/2017 5:11:25 PM



#90
Dibenzo(a,h)anthracene
Concen: 43.98 ng
RT: 16.28 min Scan# 1268
Delta R.T. 0.01 min
Lab File: BF092320.D
Acq: 17 Jan 2017 17:06

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.6	14.8	22.2
279	23.7	19.8	29.6





#91
 Benzo(a,h,i)perylene
 Concen: 44.53 ng
 RT: 16.63 min Scan# 1299
 Delta R.T. 0.01 min
 Lab File: BF092320.D
 Acq: 17 Jan 2017 17:06

Instrument :
 BNA_F
 ClientSampleId :
 PB96060BS

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	21.8	16.0	24.0

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