

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\
 Data File : BF093151.D
 Acq On : 24 Feb 2017 18:16
 Operator : SJ/MA
 Sample : PB97152BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB97152BS

Manual Integrations
 APPROVED

mohammad
 2/27/2017 1:07:32 PM

Quant Time: Feb 24 22:21:11 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	151842	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	565816	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	284720	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	519380	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	425681	20.00	ng	-0.01
86) Perylene-d12	15.44	264	304861	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	1239162	140.01	ng	-0.01
7) Phenol-d6	6.48	99	1510961	132.68	ng	-0.01
23) Nitrobenzene-d5	7.40	82	966222	95.10	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	328777	159.66	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1496287	95.21	ng	-0.01
78) Terphenyl-d14	12.95	244	1518390	83.81	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.43	88	155543	32.52	ng	# 85
3) Pyridine	3.15	79	432704	35.58	ng	87
4) n-Nitrosodimethylamine	3.10	42	246373	43.15	ng	86
6) Aniline	6.50	93	486155	31.30	ng	# 60
8) 2-Chlorophenol	6.62	128	422963	43.32	ng	89
9) Benzaldehyde	6.37	77	179926	22.05	ng	86
10) Phenol	6.49	94	472098	35.43	ng	96
11) bis(2-Chloroethyl)ether	6.58	93	446465	41.98	ng	95
12) 1,3-Dichlorobenzene	6.77	146	472469	41.31	ng	95
13) 1,4-Dichlorobenzene	6.85	146	484702	41.88	ng	94
14) 1,2-Dichlorobenzene	7.00	146	420487	37.99	ng	98
15) Benzyl Alcohol	6.98	79	345990	41.04	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.12	45	726053	39.30	ng	96
17) 2-Methylphenol	7.10	107	382032	45.61	ng	97
18) Hexachloroethane	7.34	117	160918	40.73	ng	90
19) n-Nitroso-di-n-propylamine	7.25	70	298632	41.20	ng	95
20) 3+4-Methylphenols	7.25	107	440254	43.96	ng	# 71
22) Acetophenone	7.25	105	571861	44.27	ng	# 93
24) Nitrobenzene	7.42	77	458403	43.94	ng	98
25) Isophorone	7.66	82	872994	46.11	ng	95
26) 2-Nitrophenol	7.74	139	247124	49.83	ng	92
27) 2,4-Dimethylphenol	7.79	122	431478	49.54	ng	94
28) bis(2-Chloroethoxy)methane	7.88	93	584166	46.59	ng	99
29) 2,4-Dichlorophenol	7.98	162	371779	45.77	ng	87
30) 1,2,4-Trichlorobenzene	8.06	180	371246	42.41	ng	95
31) Naphthalene	8.14	128	1173069	40.90	ng	100
32) Benzoic acid	7.94	122	243997	49.23	ng	90
33) 4-Chloroaniline	8.20	127	257029	22.85	ng	98
34) Hexachlorobutadiene	8.27	225	199022	41.32	ng	99
35) Caprolactam	8.58	113	131049m	51.29	ng	
36) 4-Chloro-3-methylphenol	8.69	107	418509	49.42	ng	97
37) 2-Methylnaphthalene	8.84	142	808033	43.88	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.01	216	379480	47.48	ng	99
40) Hexachlorocyclopentadiene	8.99	237	281786	78.15	ng	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.13	196	266667	50.78	nq	92
43) 2,4,5-Trichlorophenol	9.17	196	272303	47.32	nq	# 87
45) 1,1'-Biphenyl	9.31	154	1048298	50.85	nq	99
46) 2-Chloronaphthalene	9.33	162	790290	49.00	nq	98
47) 2-Nitroaniline	9.44	65	291487	53.75	nq	94
48) Acenaphthylene	9.74	152	1199183	43.04	nq	99
49) Dimethylphthalate	9.62	163	1001440	52.22	nq	100
50) 2,6-Dinitrotoluene	9.68	165	200048	48.30	nq	# 81
51) Acenaphthene	9.92	154	694468	41.69	nq	96
52) 3-Nitroaniline	9.85	138	150550	31.76	nq	88
53) 2,4-Dinitrophenol	9.96	184	222194	103.95	nq	# 76
54) Dibenzofuran	10.09	168	962137	43.18	nq	98
55) 4-Nitrophenol	10.03	139	327911	96.06	nq	# 70
56) 2,4-Dinitrotoluene	10.09	165	284047	51.51	nq	90
57) Fluorene	10.43	166	795375	46.40	nq	97
58) 2,3,4,6-Tetrachlorophenol	10.21	232	218399	56.90	nq	95
59) Diethylphthalate	10.32	149	937007	51.85	nq	94
60) 4-Chlorophenyl-phenylether	10.42	204	350660	42.58	nq	96
61) 4-Nitroaniline	10.46	138	233191	48.04	nq	94
62) Azobenzene	10.58	77	992404	53.15	nq	97
64) 4,6-Dinitro-2-methylphenol	10.50	198	162960	51.35	nq	94
65) n-Nitrosodiphenylamine	10.54	169	711460	42.88	nq	100
66) 4-Bromophenyl-phenylether	10.91	248	227713	41.96	nq	96
67) Hexachlorobenzene	10.98	284	233339	43.51	nq	95
68) Atrazine	11.07	200	219570	41.24	nq	98
69) Pentachlorophenol	11.17	266	232279	83.56	nq	96
70) Phenanthrene	11.39	178	1197151	40.23	nq	99
71) Anthracene	11.45	178	1333383	44.62	nq	98
72) Carbazole	11.60	167	1126358	39.43	nq	99
73) Di-n-butylphthalate	11.93	149	1409215	45.62	nq	# 97
74) Fluoranthene	12.58	202	1337484	43.58	nq	96
76) Benzidine	12.71	184	509156	28.07	nq	96
77) Pyrene	12.81	202	1350863	42.40	nq	99
79) Butylbenzylphthalate	13.43	149	627447	48.50	nq	88
80) Benzo(a)anthracene	14.00	228	1030801	39.59	nq	100
81) 3,3'-Dichlorobenzidine	13.96	252	235167	25.34	nq	# 94
82) Chrysene	14.03	228	955416	39.19	nq	99
83) Bis(2-ethylhexyl)phthalate	13.99	149	810811	45.83	nq	# 95
84) Di-n-octyl phthalate	14.59	149	1334030	46.31	nq	98
85) Indeno(1,2,3-cd)pyrene	16.84	276	736306	39.00	nq	# 93
87) Benzo(b)fluoranthene	15.03	252	889356	44.32	nq	98
88) Benzo(k)fluoranthene	15.05	252	813101m	46.93	nq	
89) Benzo(a)pyrene	15.38	252	792068	45.63	nq	97
90) Dibenzo(a,h)anthracene	16.85	278	617145	43.99	nq	96
91) Benzo(g,h,i)perylene	17.27	276	644398	45.47	nq	# 92

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

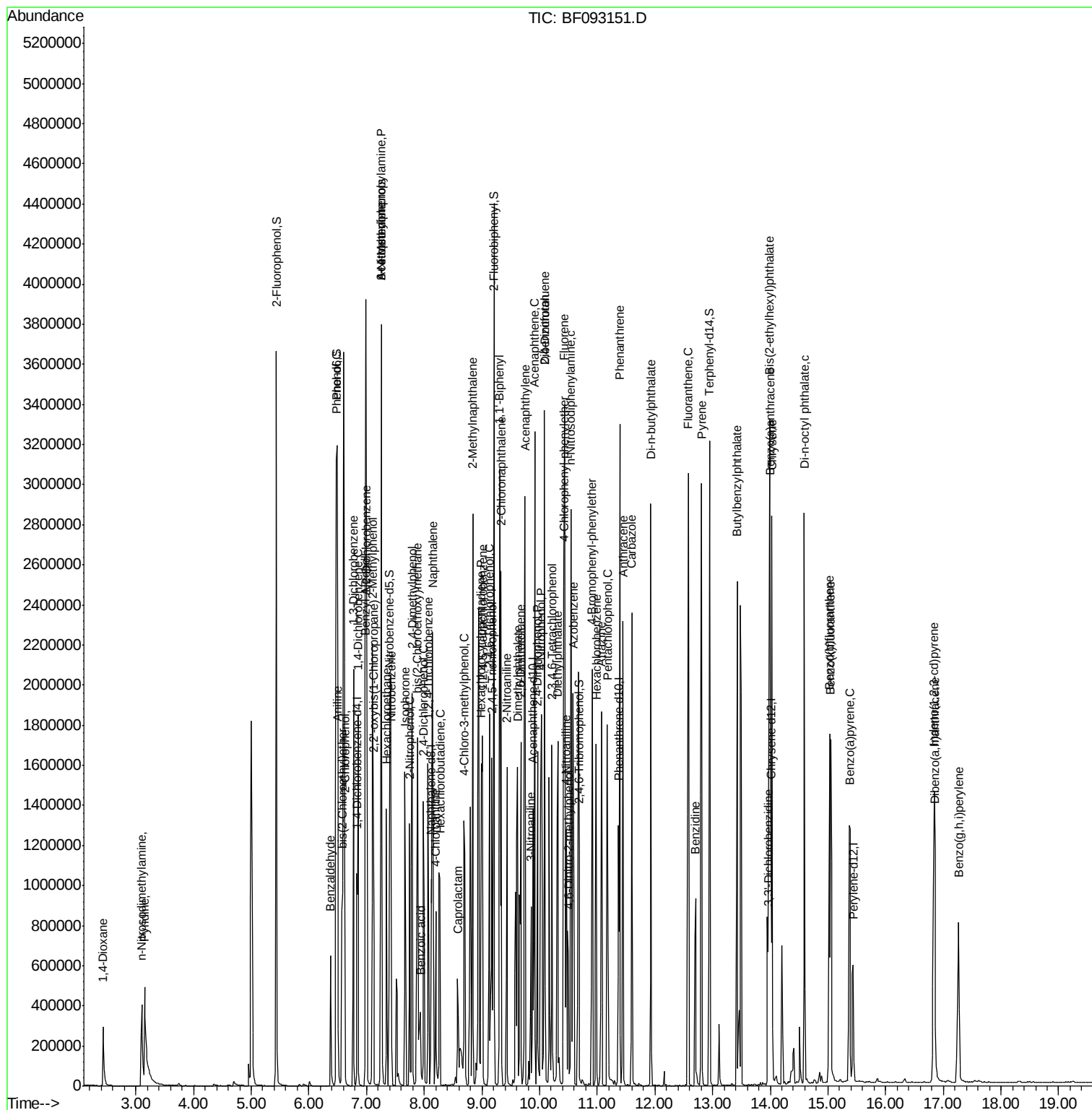
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Operator  : SJ/MA  
Sample    : PB97152BS  
Misc      :  
ALS Vial  : 6      Sample Multiplier: 1
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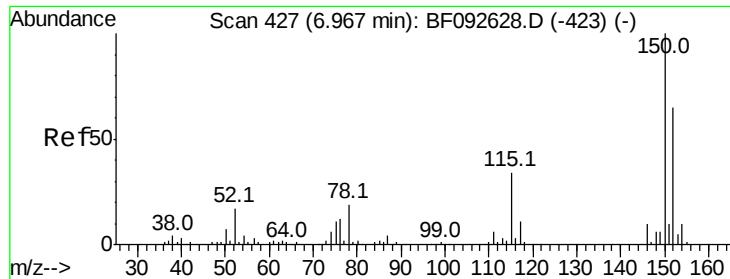
Instrument :
BNA_F
ClientSampleId :
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#1

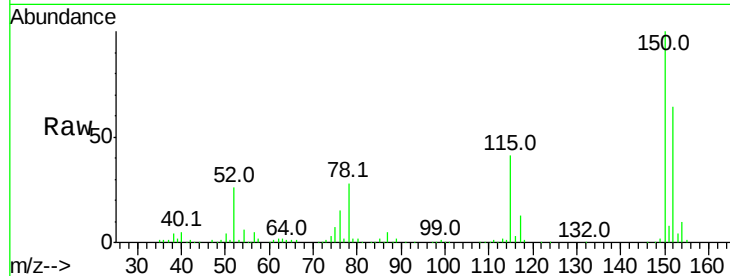
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. -0.02 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Instrument :
BNA_F
ClientSampleId :
PB97152BS

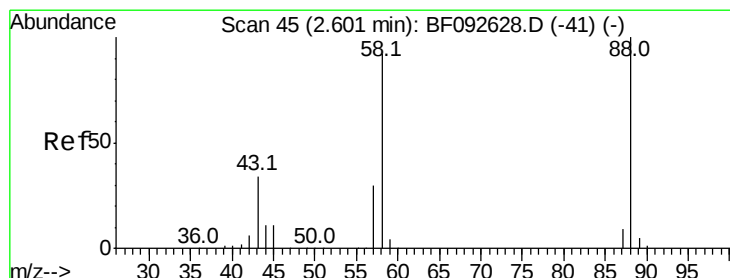
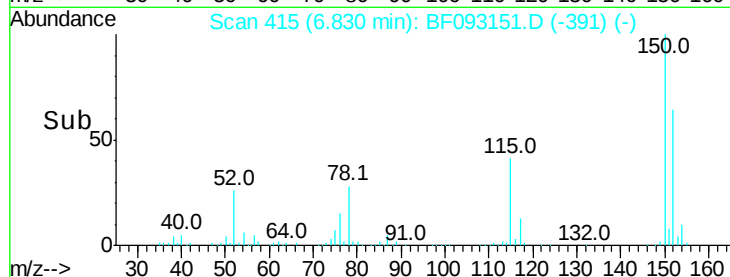
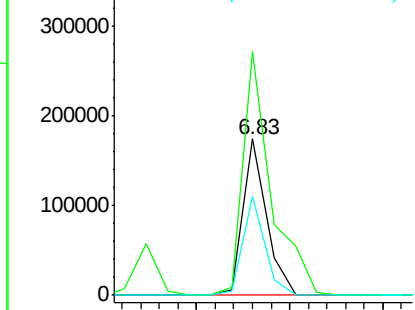
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.9	187.3
115	63.5	46.0	69.0

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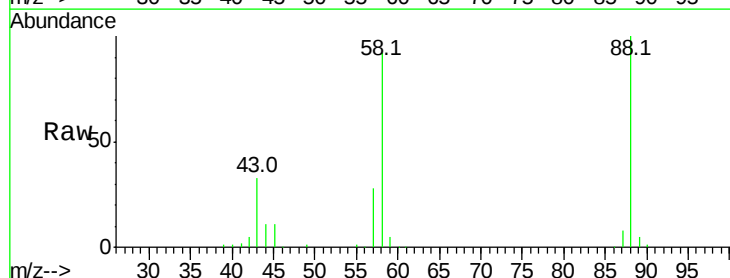
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



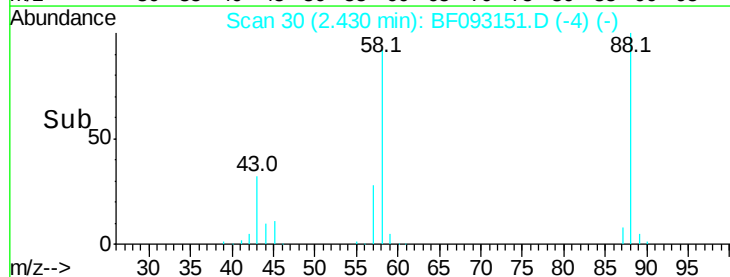
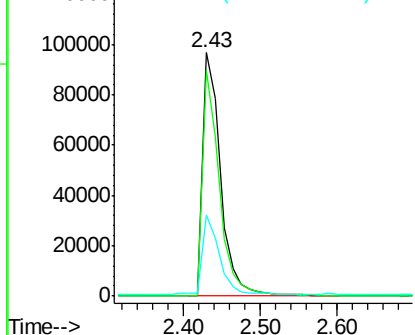
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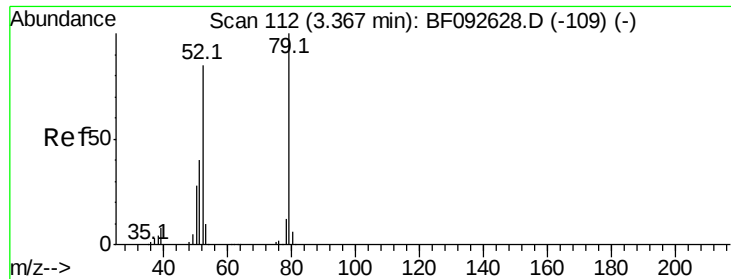
1,4-Dioxane
Concen: 32.52 ng
RT: 2.43 min Scan# 30
Delta R.T. -0.00 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Tgt Ion	Ratio	Lower	Upper
88	100		
58	87.6	57.8	86.8#
43	30.9	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: 35.58 ng

RT: 3.15 min Scan# 93

Delta R.T. -0.00 min

Lab File: BF093151.D

Acq: 24 Feb 2017 18:16

Instrument :

BNA_F

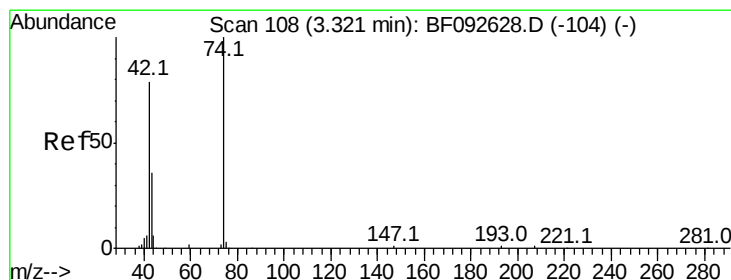
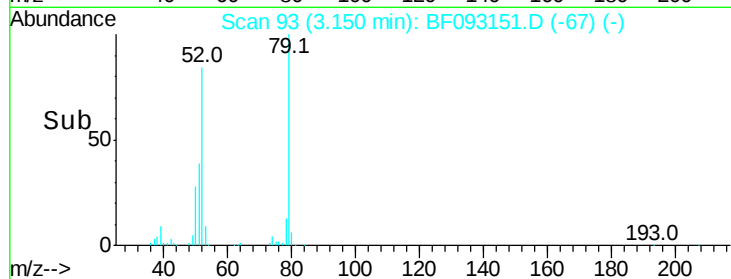
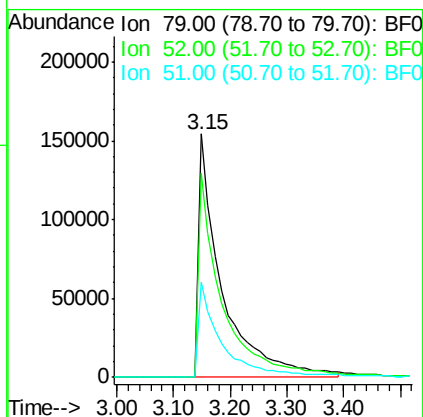
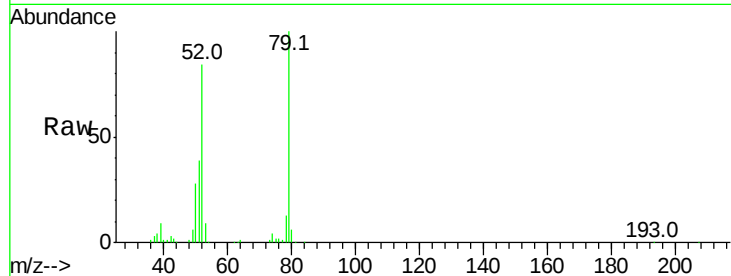
ClientSampleId :

PB97152BS

Tot Ion:	79	Resp:	432704
Ion Ratio	Lower	Upper	
79	100		
52	83.9	57.1	85.7
51	39.2	27.3	40.9

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#4

n-Nitrosodimethylamine

Concen: 43.15 ng

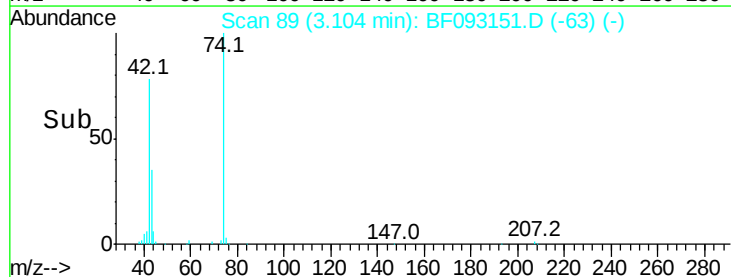
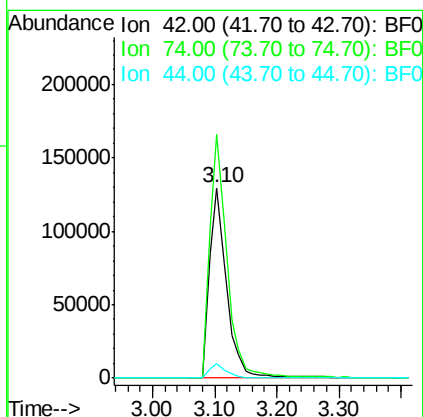
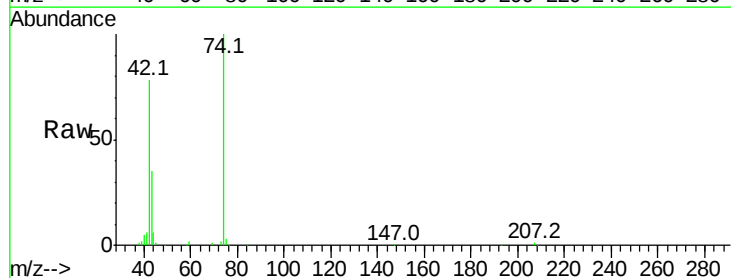
RT: 3.10 min Scan# 89

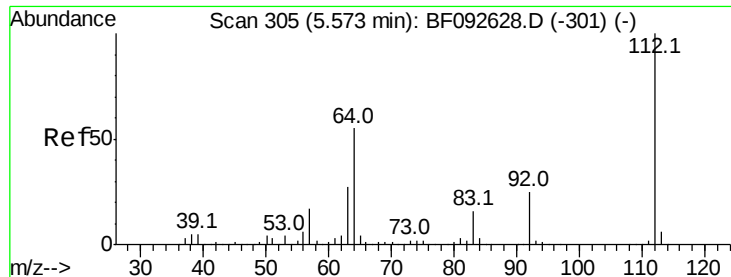
Delta R.T. -0.00 min

Lab File: BF093151.D

Acq: 24 Feb 2017 18:16

Tgt Ion:	42	Resp:	246373
Ion Ratio	Lower	Upper	
42	100		
74	128.1	117.0	175.4
44	7.6	5.5	8.3





#5

2-Fluorophenol

Concen: 140.01 ng

RT: 5.44 min Scan# 293

Delta R.T. -0.01 min

Lab File: BF093151.D

Acq: 24 Feb 2017 18:16

Instrument :

BNA_F

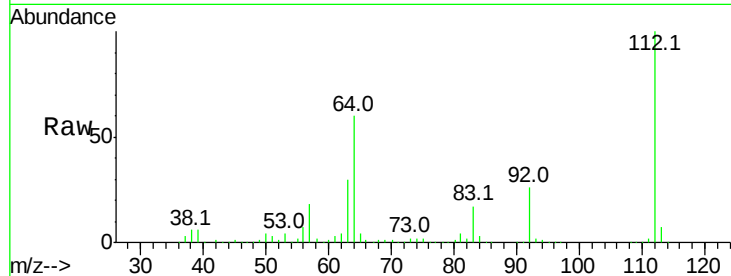
ClientSampleID :

PB97152BS

Tot Ion:	112	Resp:	1239162
Ion Ratio	Lower	Upper	
112	100		
64	60.0	46.1	69.1
63	29.8	23.8	35.6

Manual Integrations
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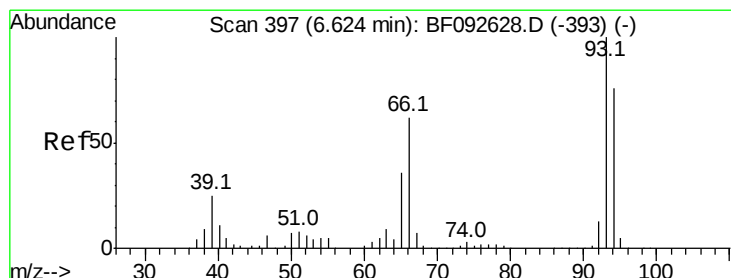
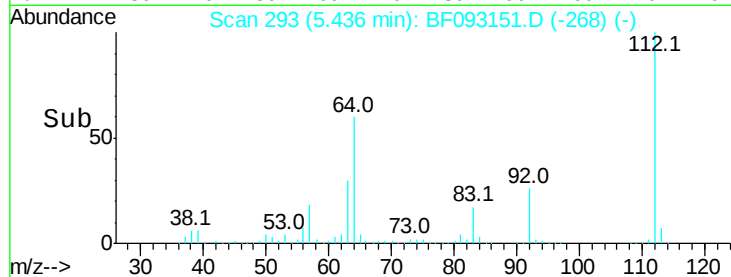
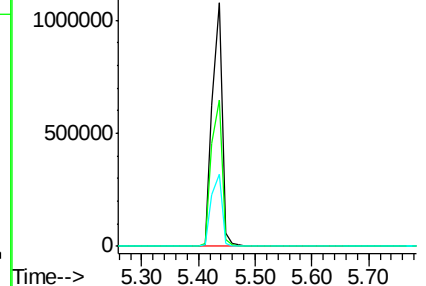
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 31.30 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF093151.D

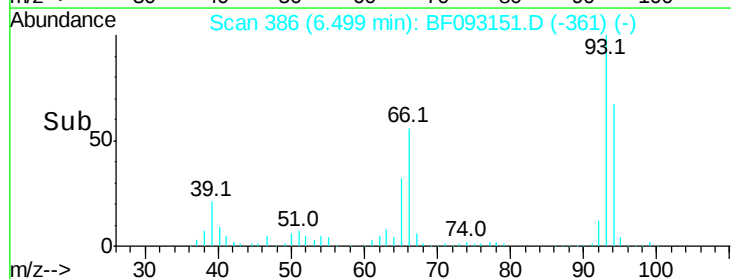
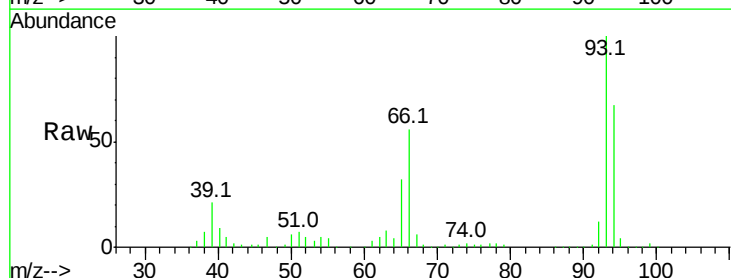
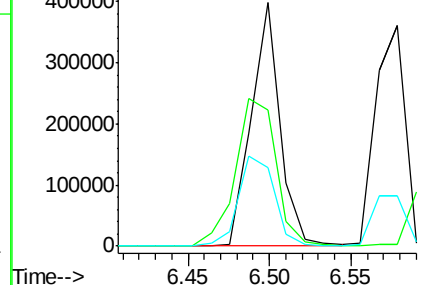
Acq: 24 Feb 2017 18:16

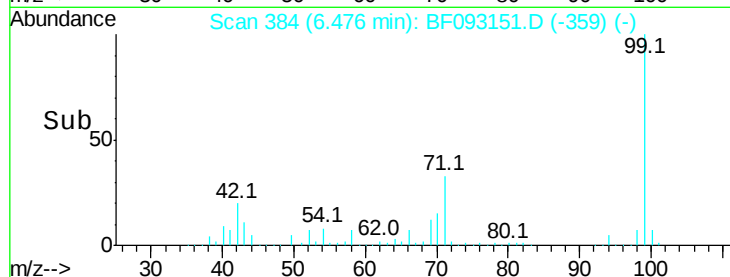
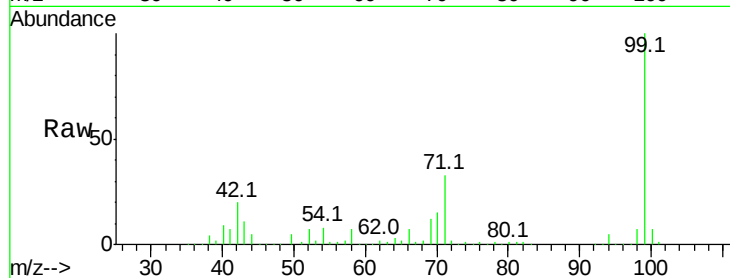
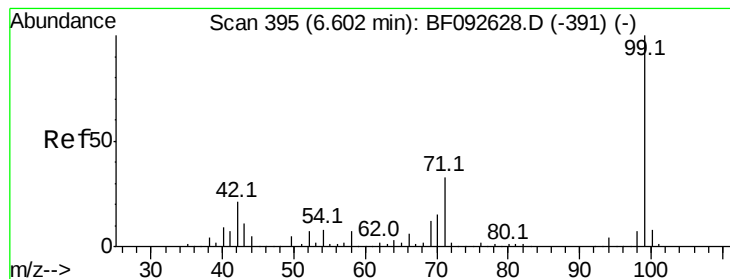
Tgt Ion:	93	Resp:	486155
Ion Ratio	Lower	Upper	
93	100		
66	55.9	76.2	114.2#
65	32.4	49.3	73.9#

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: 132.68 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093151.D

Acq: 24 Feb 2017 18:16

Tot Ion:	99	Resp:	1510961
Ion	Ratio	Lower	Upper
99	100		
42	19.7	15.6	23.4
71	32.7	27.5	41.3

Instrument :

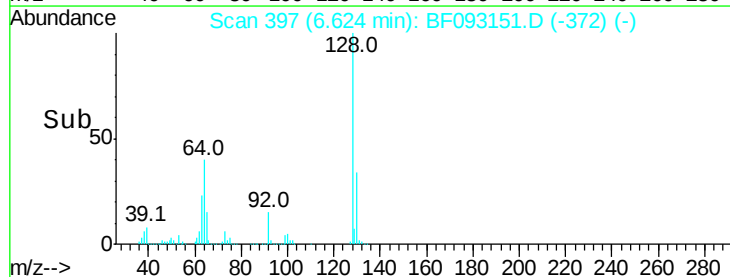
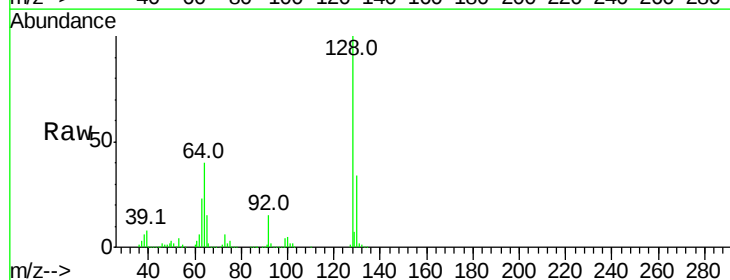
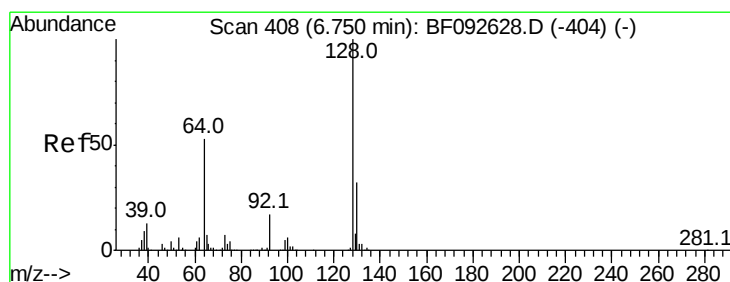
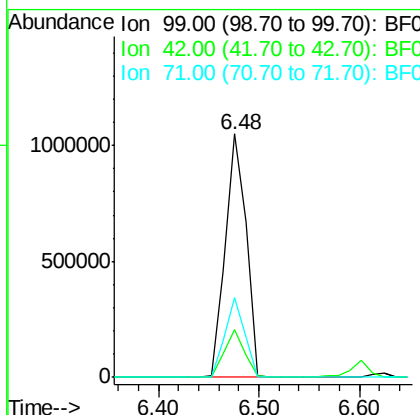
BNA_F

ClientSampled :

PB97152BS

Manual Integrations
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#8

2-Chlorophenol

Concen: 43.32 ng

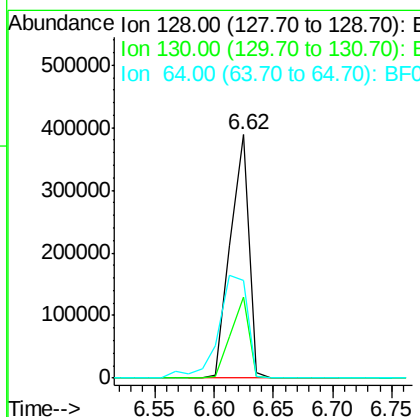
RT: 6.62 min Scan# 397

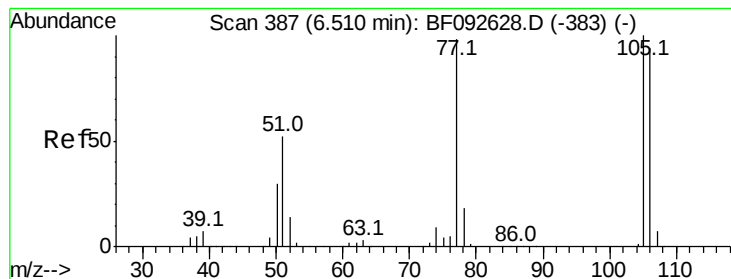
Delta R.T. -0.01 min

Lab File: BF093151.D

Acq: 24 Feb 2017 18:16

Tgt Ion:	128	Resp:	422963
Ion	Ratio	Lower	Upper
128	100		
130	33.5	12.3	52.3
64	40.1	32.2	72.2





#9

Benzaldehyde

Concen: 22.05 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.02 min

Lab File: BF093151.D

Acq: 24 Feb 2017 18:16

Instrument :

BNA_F

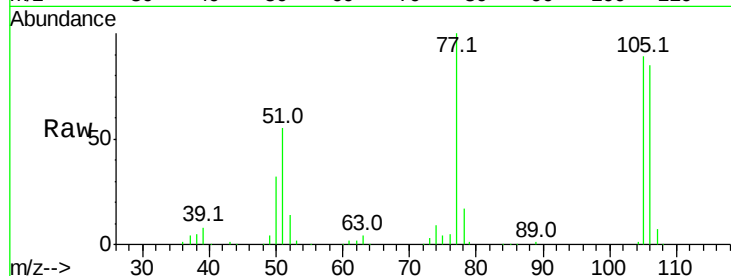
ClientSampleId :

PB97152BS

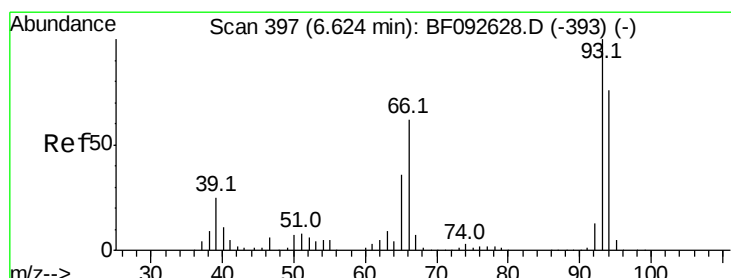
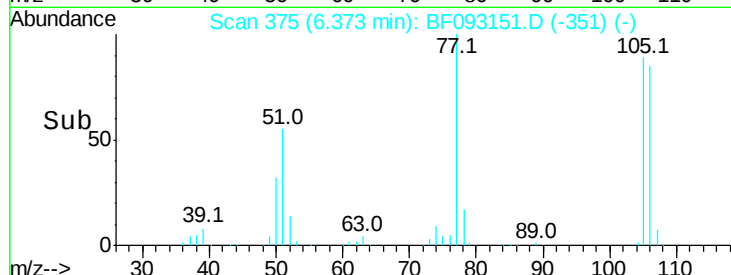
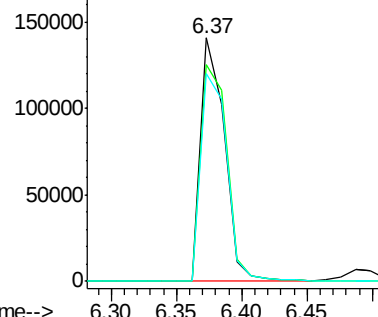
Tot Ion:	77	Resp:	179926
Ion	Ratio	Lower	Upper
77	100		
105	88.8	83.9	123.9
106	85.5	77.6	117.6

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Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 35.43 ng

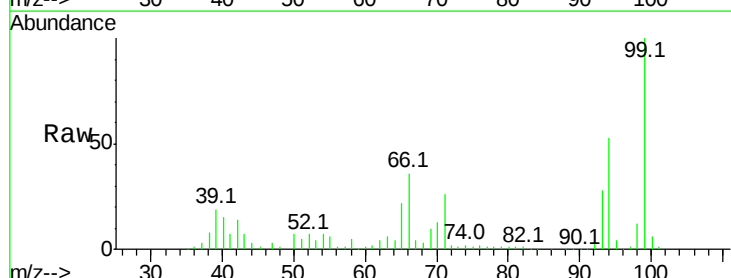
RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

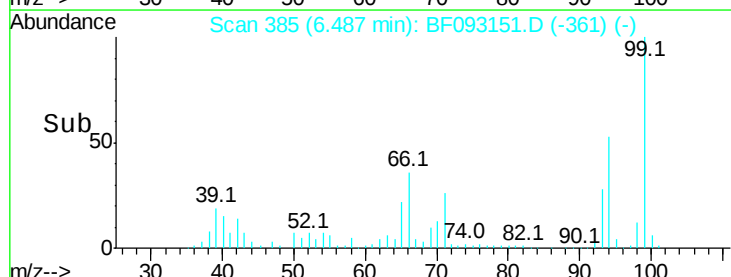
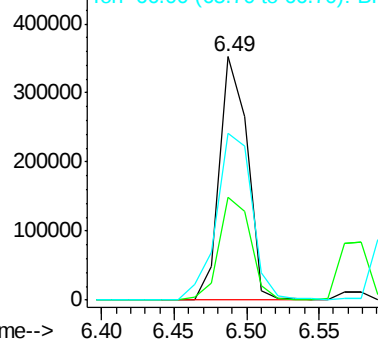
Lab File: BF093151.D

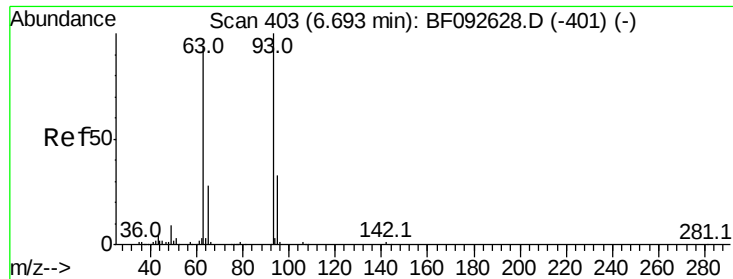
Acq: 24 Feb 2017 18:16

Tgt Ion:	94	Resp:	472098
Ion	Ratio	Lower	Upper
94	100		
65	42.0	21.4	61.4
66	68.4	44.0	84.0



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





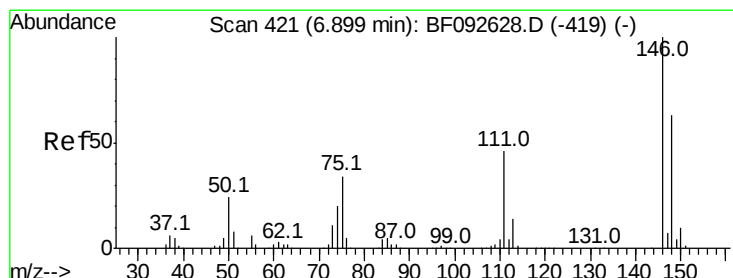
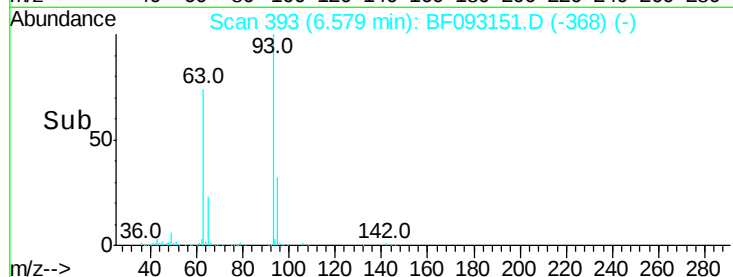
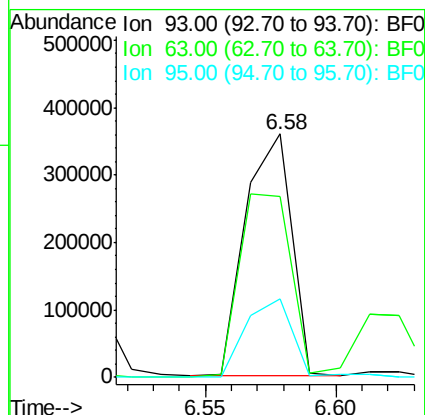
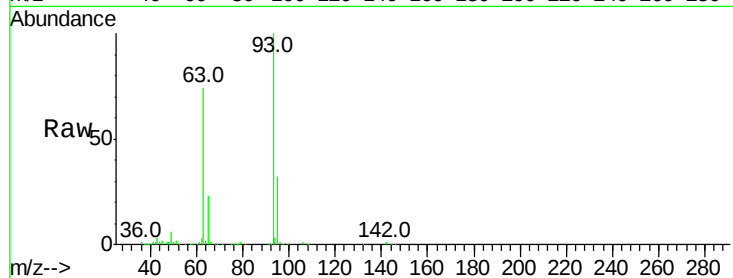
#11
bis(2-Chloroethyl)ether
Concen: 41.98 ng
RT: 6.58 min Scan# 393
Delta R.T. -0.01 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Instrument :
BNA_F
ClientSampleId :
PB97152BS

Tot Ion	93	Resp	446465
Ion Ratio	100	Lower	Upper
93	100		
63	74.2	60.4	100.4
95	32.2	12.8	52.8

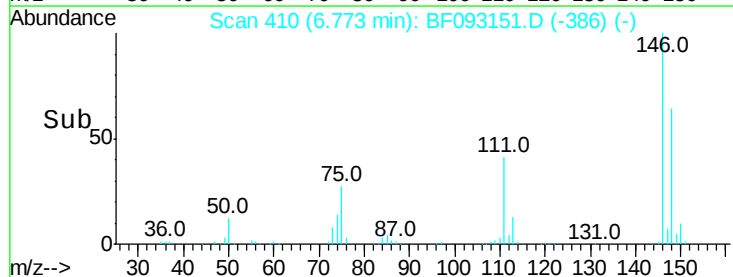
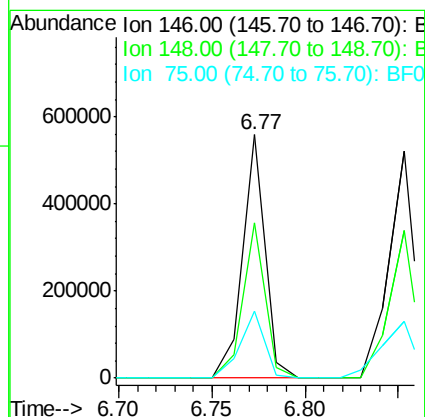
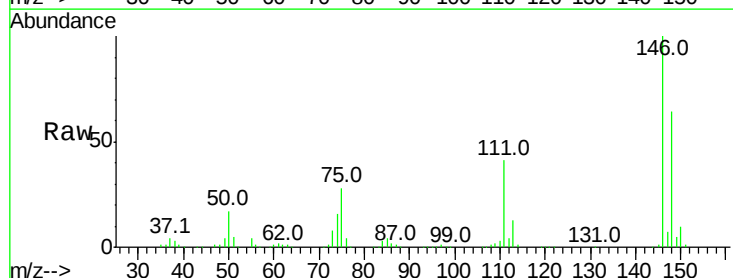
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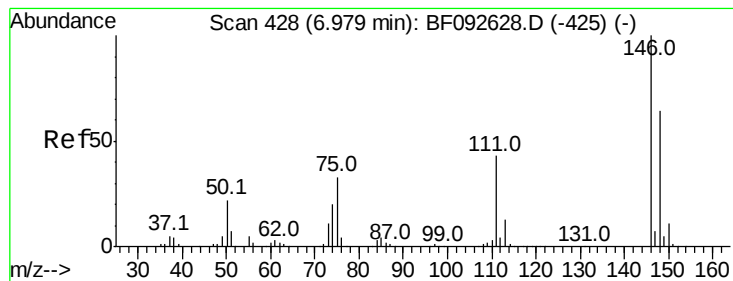
mohammad
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#12
1,3-Dichlorobenzene
Concen: 41.31 ng
RT: 6.77 min Scan# 410
Delta R.T. -0.02 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Tgt Ion	146	Resp	472469
Ion Ratio	100	Lower	Upper
146	100		
148	64.0	53.4	80.0
75	27.5	18.5	27.7





#13

1,4-Dichlorobenzene

Concen: 41.88 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.02 min

Lab File: BF093151.D

Acq: 24 Feb 2017 18:16

Instrument :

BNA_F

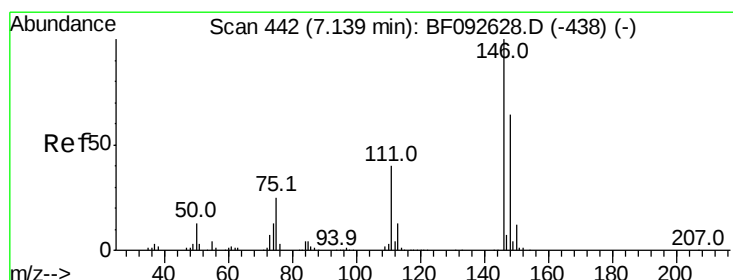
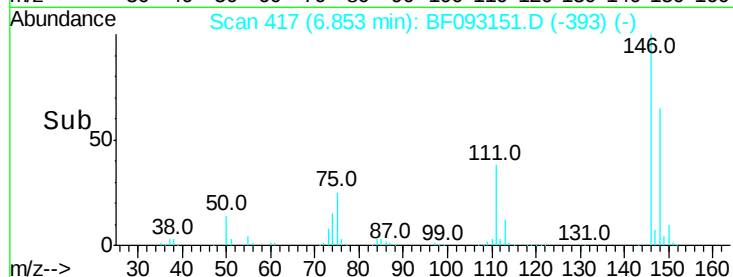
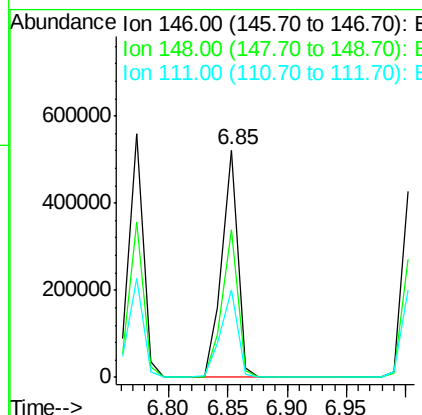
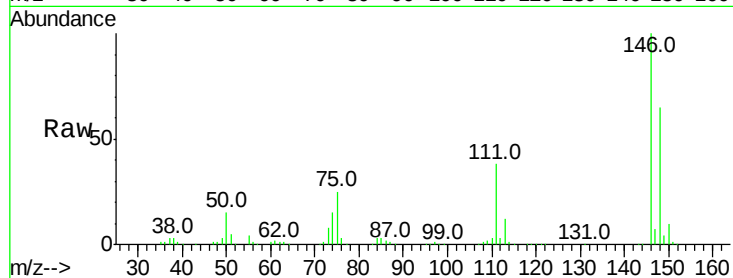
ClientSampleId :

PB97152BS

Tot Ion:	146	Resp:	484702
Ion Ratio	Lower	Upper	
146	100		
148	64.9	50.6	76.0
111	38.3	36.2	54.4

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#14

1,2-Dichlorobenzene

Concen: 37.99 ng

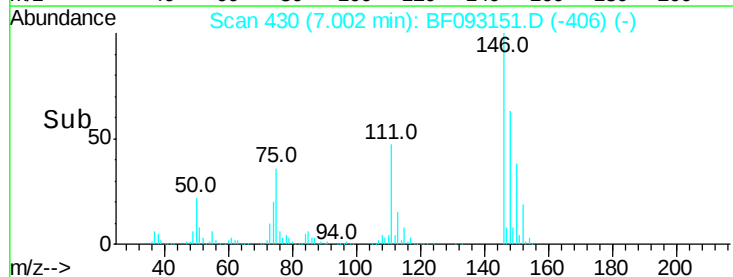
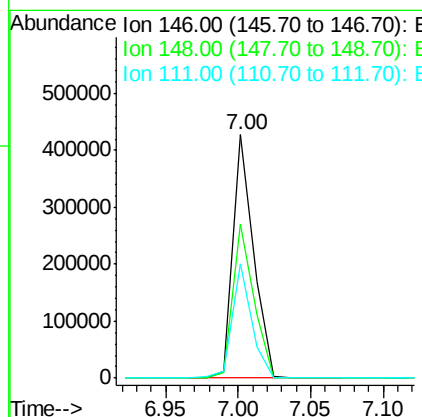
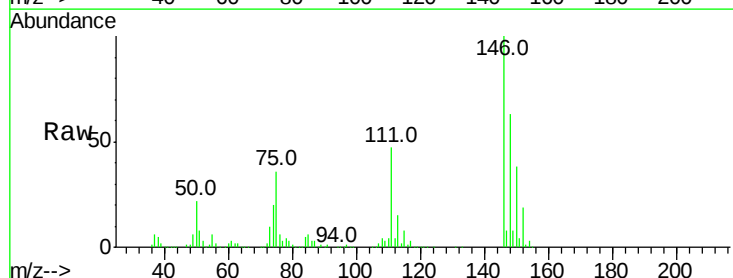
RT: 7.00 min Scan# 430

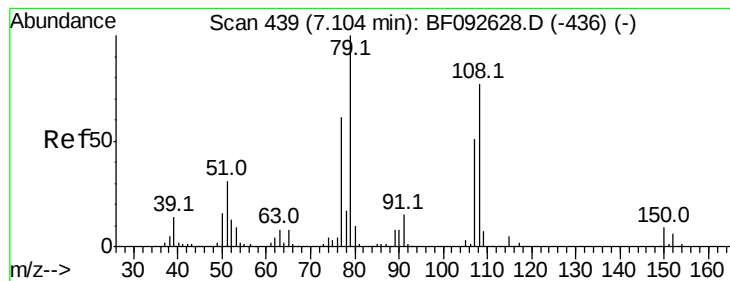
Delta R.T. -0.02 min

Lab File: BF093151.D

Acq: 24 Feb 2017 18:16

Tgt Ion:	146	Resp:	420487
Ion Ratio	Lower	Upper	
146	100		
148	63.4	52.2	78.2
111	47.0	36.2	54.2





#15

Benzyl Alcohol

Concen: 41.04 ng

RT: 6.98 min Scan# 428

Delta R.T. -0.02 min

Lab File: BF093151.D

Acq: 24 Feb 2017 18:16

Instrument :

BNA_F

ClientSampled :

PB97152BS

Tot Ion: 79 Resp: 345990

Ion Ratio Lower Upper

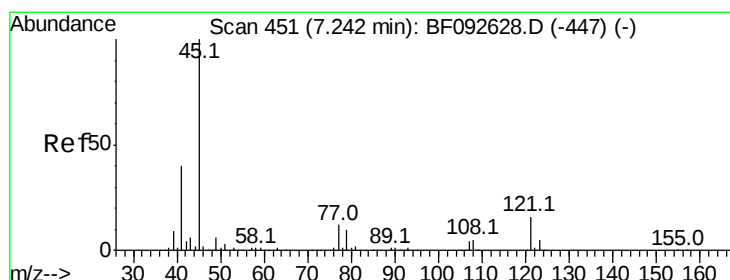
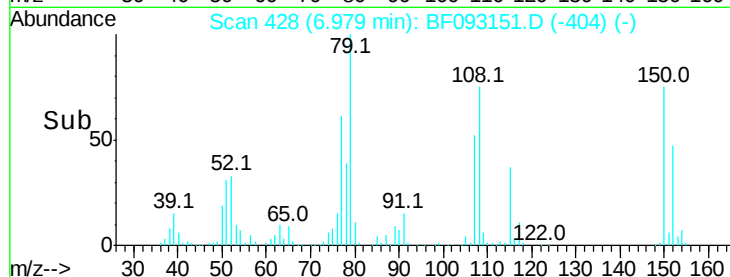
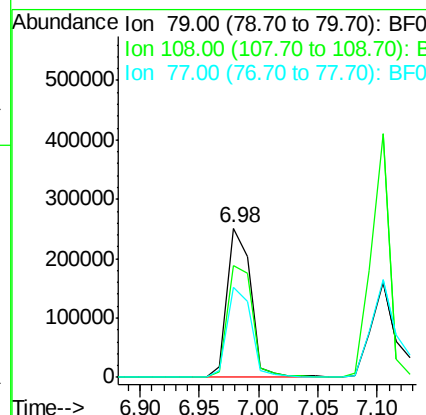
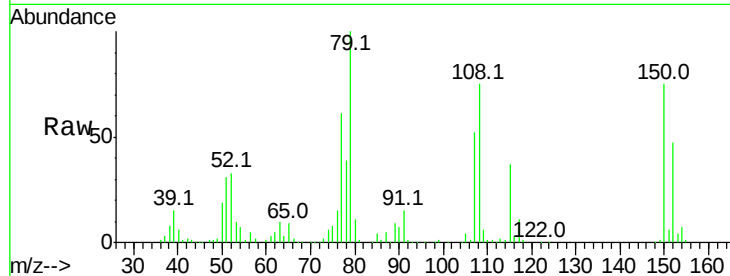
79 100

108 74.9 61.4 92.0

77 60.6 50.9 76.3

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.30 ng

RT: 7.12 min Scan# 440

Delta R.T. -0.02 min

Lab File: BF093151.D

Acq: 24 Feb 2017 18:16

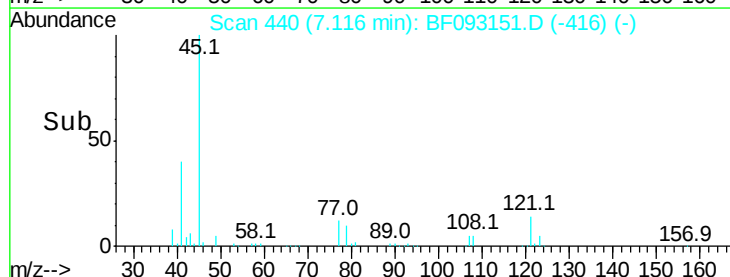
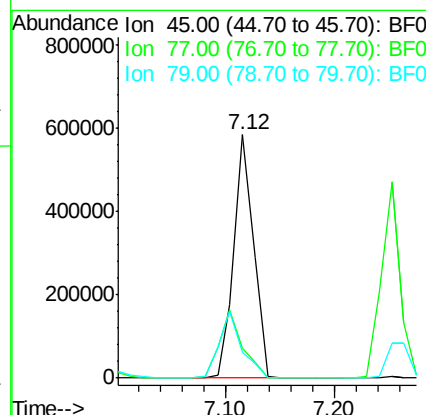
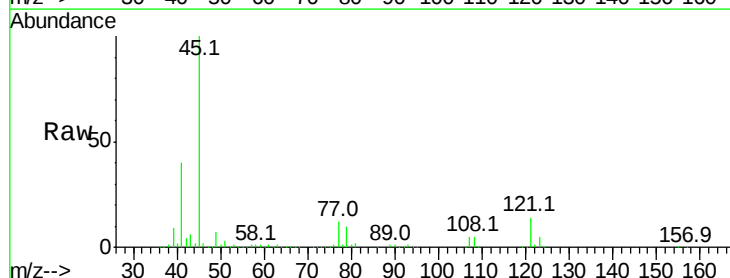
Tgt Ion: 45 Resp: 726053

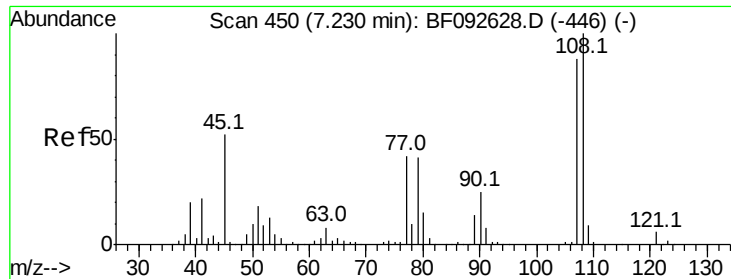
Ion Ratio Lower Upper

45 100

77 12.3 0.0 34.6

79 10.5 0.0 31.2





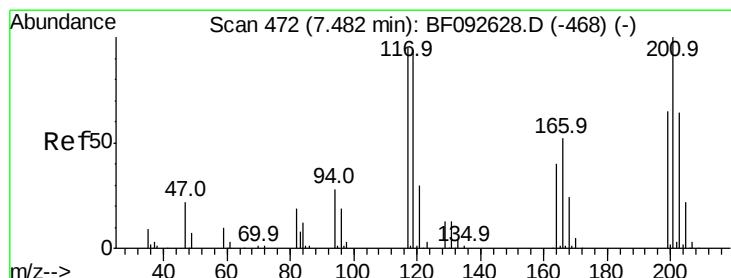
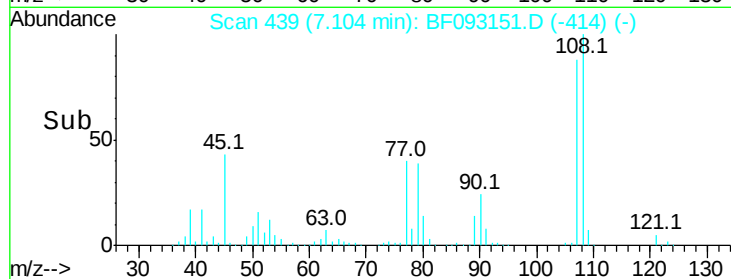
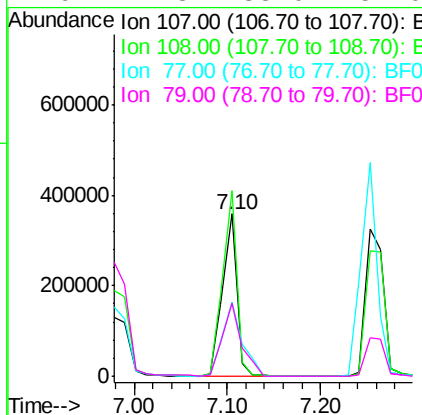
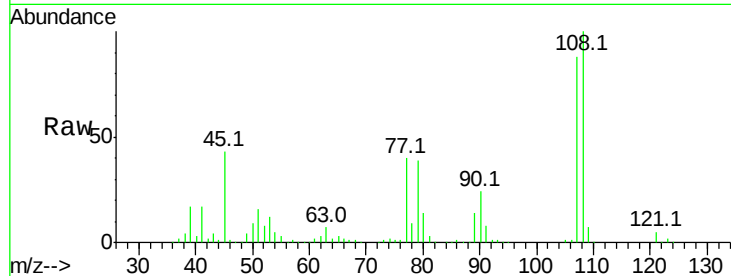
#17
2-Methylphenol
Concen: 45.61 ng
RT: 7.10 min Scan# 439
Delta R.T. -0.01 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Instrument :
BNA_F
ClientSampleId :
PB97152BS

Tot Ion	Ratio	Lower	Upper
107	100		
108	114.3	93.0	139.6
77	46.0	39.8	59.8
79	44.8	38.0	57.0

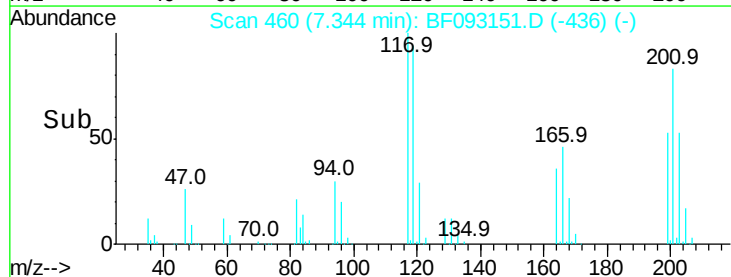
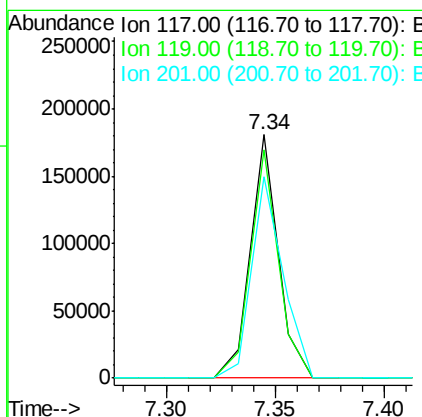
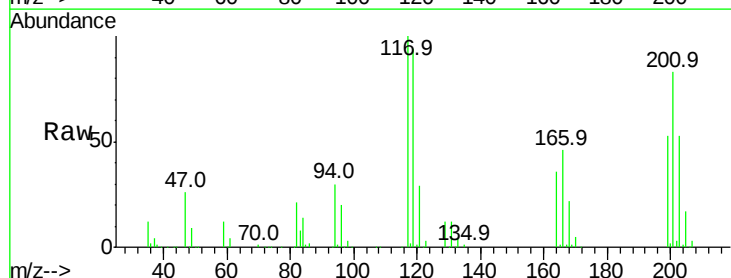
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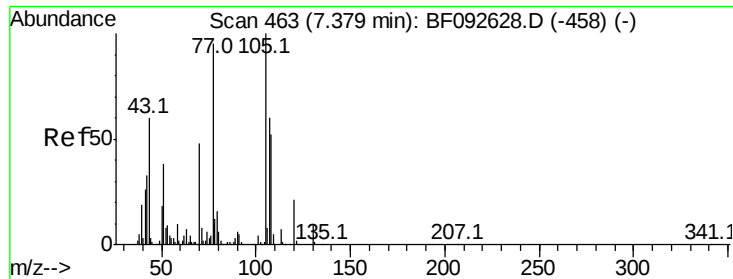
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#18
Hexachloroethane
Concen: 40.73 ng
RT: 7.34 min Scan# 460
Delta R.T. -0.02 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	78.1	117.1
201	82.8	78.6	117.8





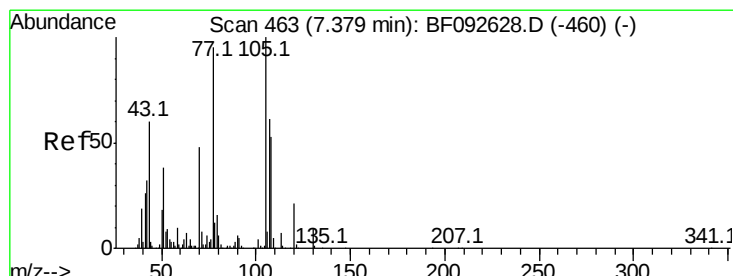
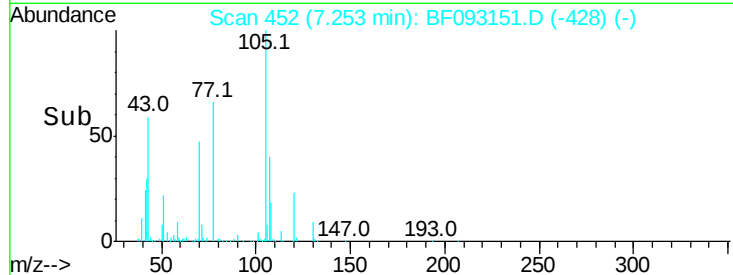
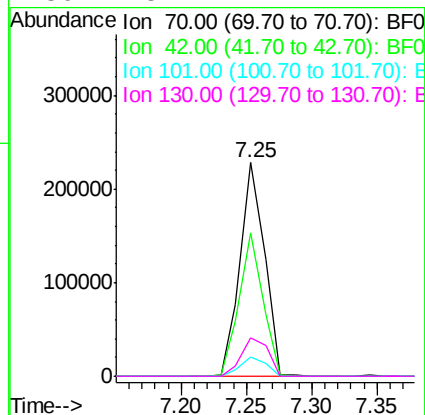
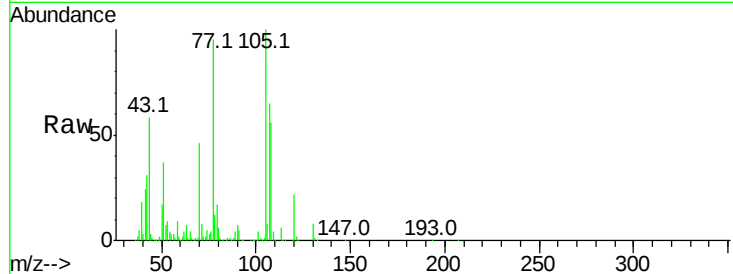
#19
n-Nitroso-di-n-propylamine
Concen: 41.20 ng
RT: 7.25 min Scan# 452
Delta R.T. -0.02 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Instrument :
BNA_F
ClientSampleId :
PB97152BS

Tot Ion	Ratio	Lower	Upper
70	100		
42	67.3	49.4	74.0
101	9.0	7.4	11.2
130	18.2	14.2	21.4

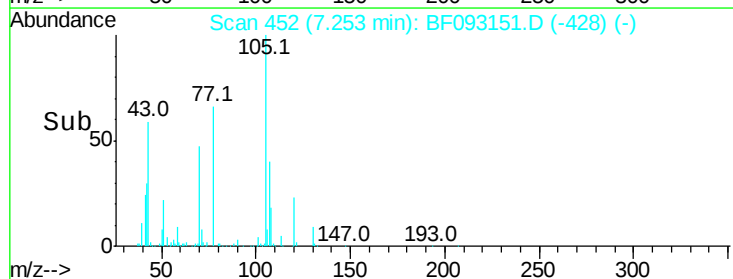
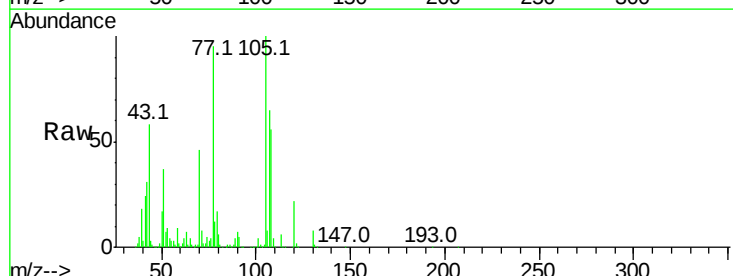
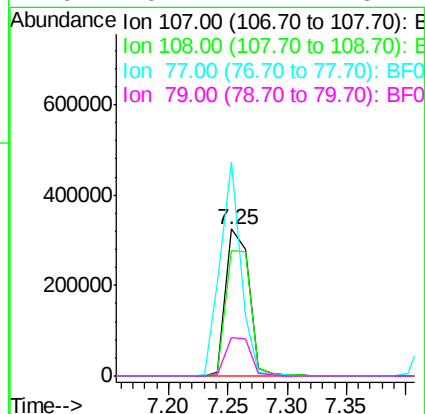
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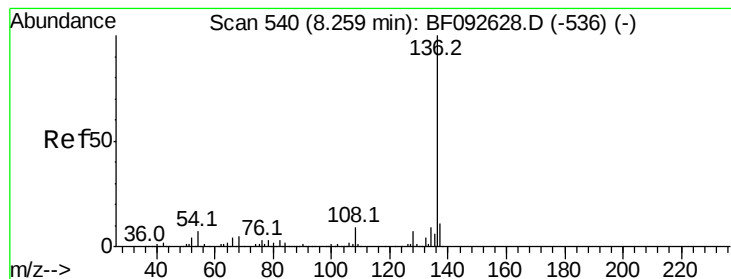
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#20
3+4-Methylphenols
Concen: 43.96 ng
RT: 7.25 min Scan# 452
Delta R.T. -0.02 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Tgt Ion	Ratio	Lower	Upper
107	100		
108	85.8	73.0	113.0
77	145.3	71.3	111.3#
79	26.2	11.1	51.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.02 min

Lab File: BF093151.D

Acq: 24 Feb 2017 18:16

Instrument :

BNA_F

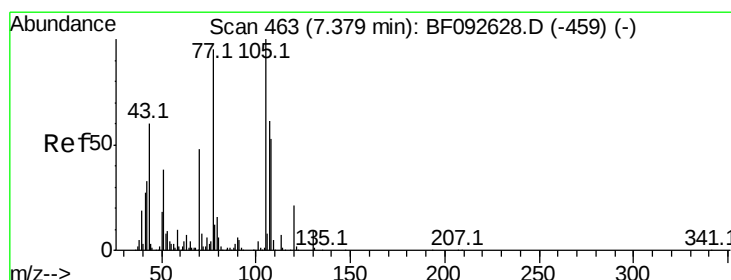
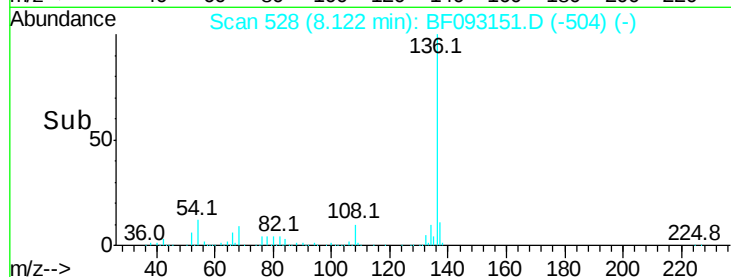
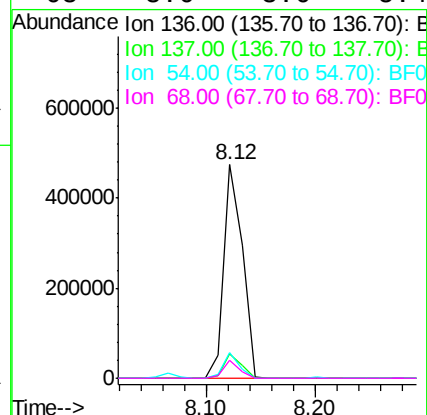
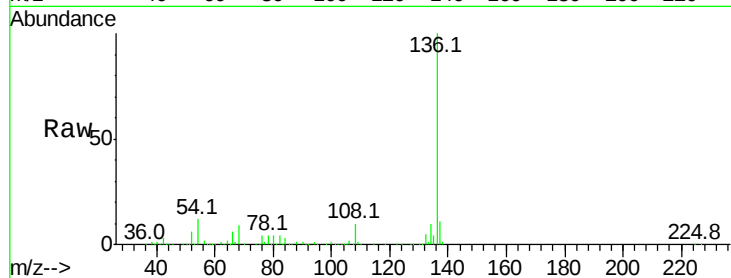
ClientSampleId :

PB97152BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	565816		
137	11.3	8.4	12.6	
54	11.9	4.5	6.7#	
68	8.6	3.6	5.4#	

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#22

Acetophenone

Concen: 44.27 ng

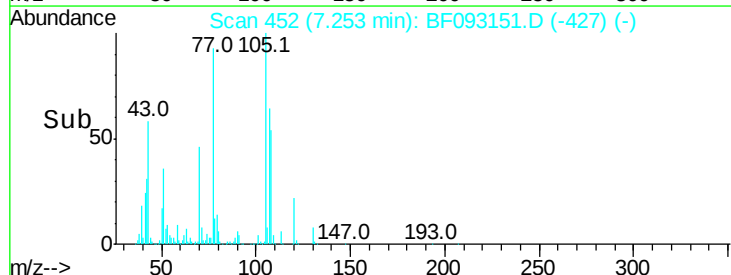
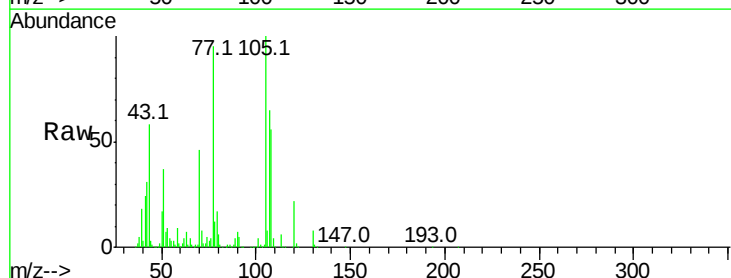
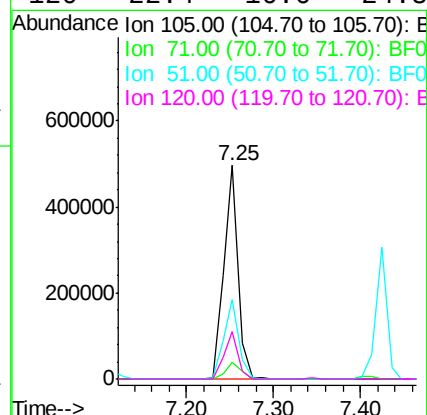
RT: 7.25 min Scan# 452

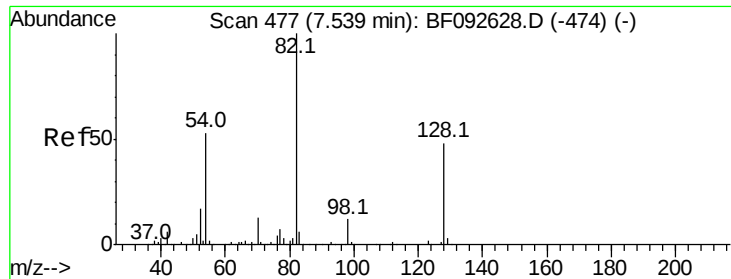
Delta R.T. -0.01 min

Lab File: BF093151.D

Acq: 24 Feb 2017 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	571861		
71	7.8	3.2	4.8#	
51	37.4	26.2	39.4	
120	22.4	16.6	24.8	





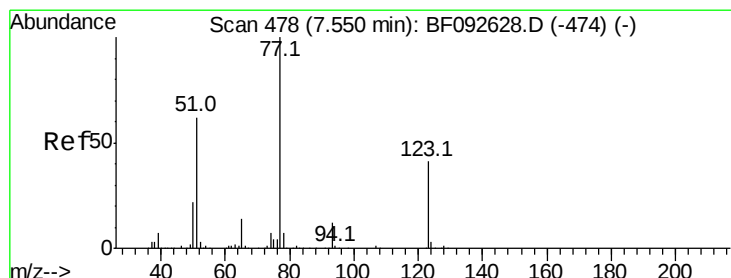
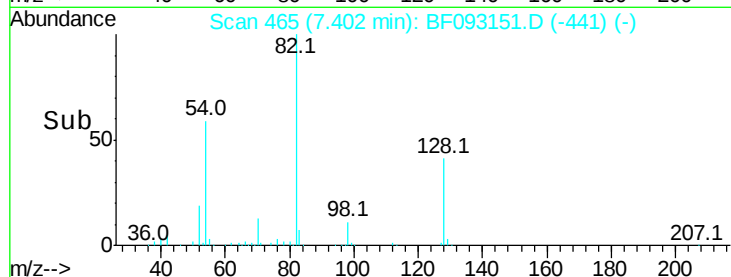
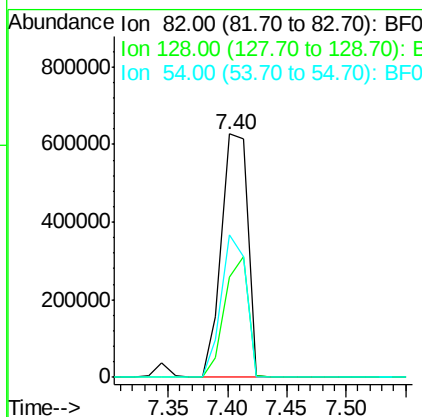
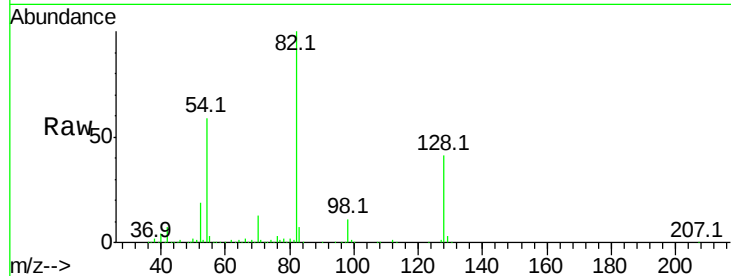
#23
 Nitrobenzene-d5
 Concen: 95.10 ng
 RT: 7.40 min Scan# 465
 Delta R.T. -0.02 min
 Lab File: BF093151.D
 Acq: 24 Feb 2017 18:16

Instrument :
 BNA_F
 ClientSampleId :
 PB97152BS

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.2	34.6	52.0
54	58.6	39.5	59.3

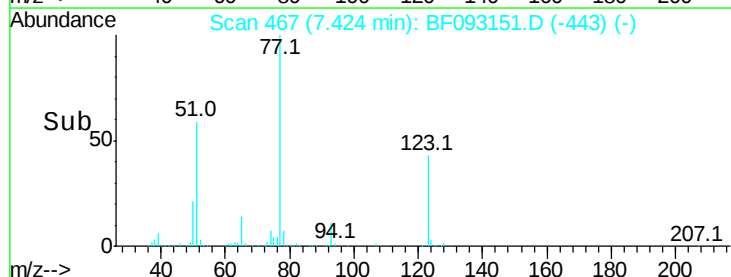
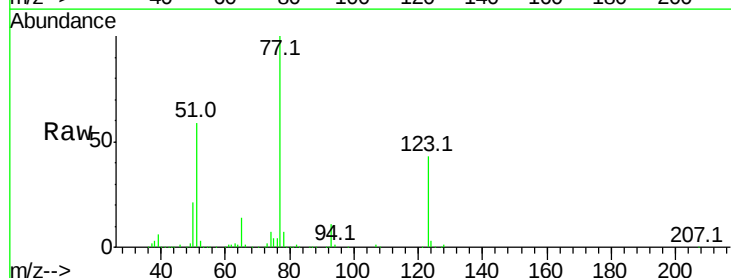
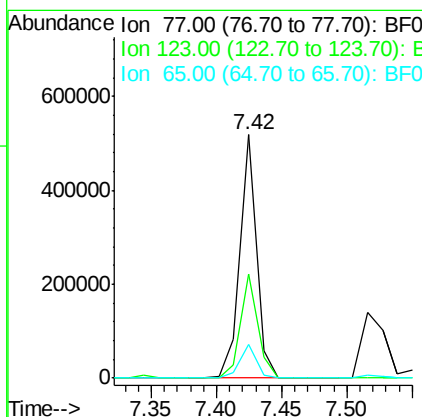
Manual Integrations
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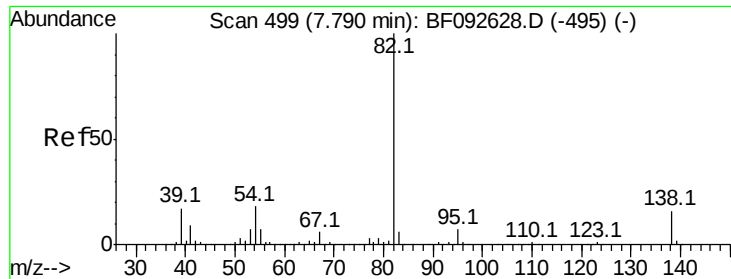
mohammad
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#24
 Nitrobenzene
 Concen: 43.94 ng
 RT: 7.42 min Scan# 467
 Delta R.T. -0.02 min
 Lab File: BF093151.D
 Acq: 24 Feb 2017 18:16

Tgt Ion	Ratio	Lower	Upper
77	100		
123	42.7	33.0	49.4
65	14.1	11.2	16.8





#25

Isophorone

Concen: 46.11 ng

RT: 7.66 min Scan# 488

Delta R.T. -0.02 min

Lab File: BF093151.D

Acq: 24 Feb 2017 18:16

Instrument :

BNA_F

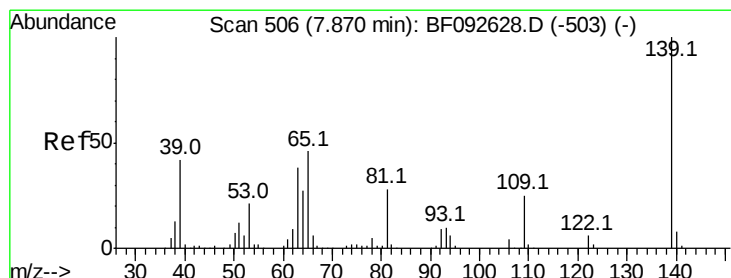
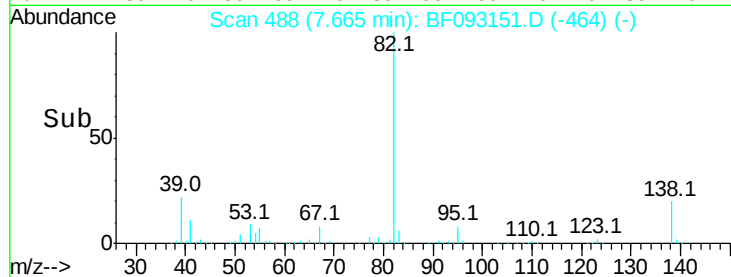
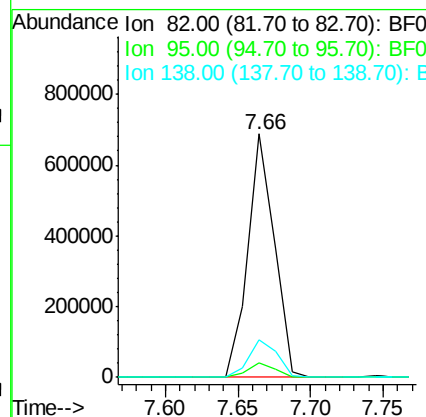
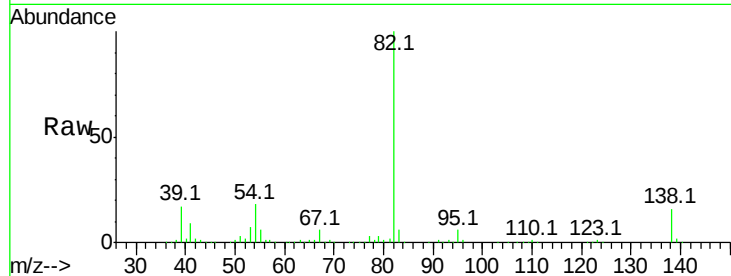
ClientSampleId :

PB97152BS

Tot Ion:	82	Resp:	872994
Ion Ratio	Lower	Upper	
82	100		
95	6.2	5.6	8.4
138	15.6	14.6	22.0

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#26

2-Nitrophenol

Concen: 49.83 ng

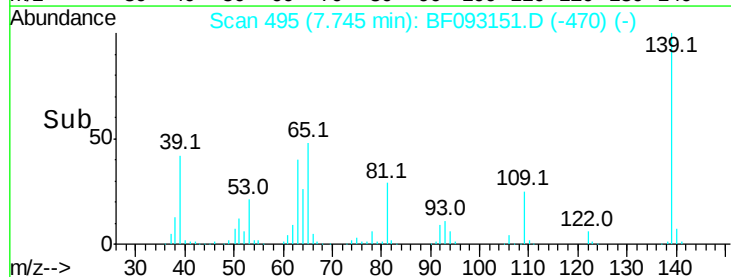
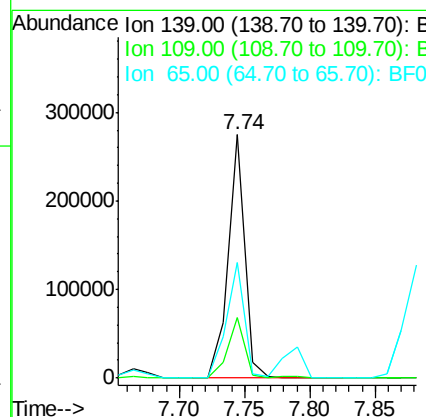
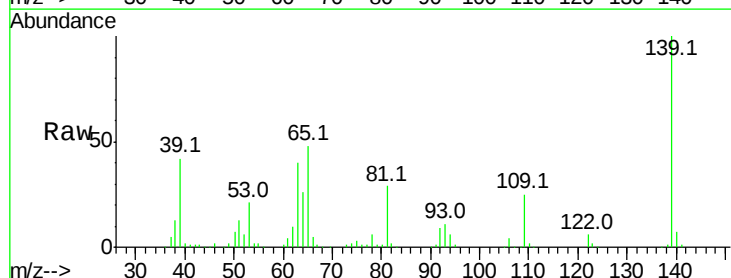
RT: 7.74 min Scan# 495

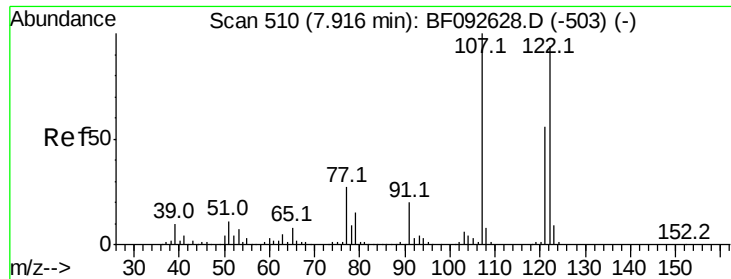
Delta R.T. -0.01 min

Lab File: BF093151.D

Acq: 24 Feb 2017 18:16

Tgt Ion:	139	Resp:	247124
Ion Ratio	Lower	Upper	
139	100		
109	24.7	23.3	34.9
65	47.5	42.7	64.1





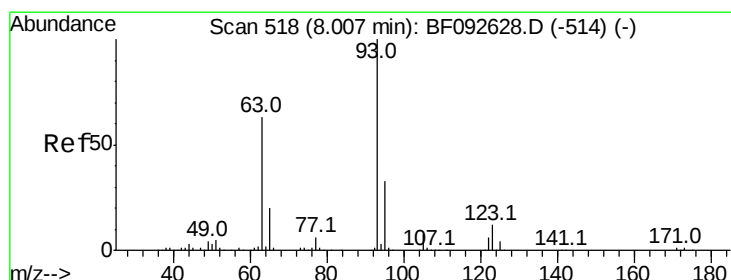
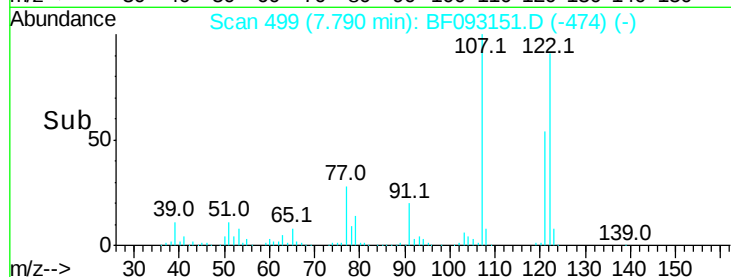
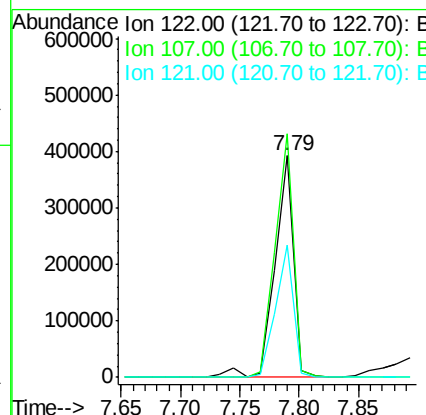
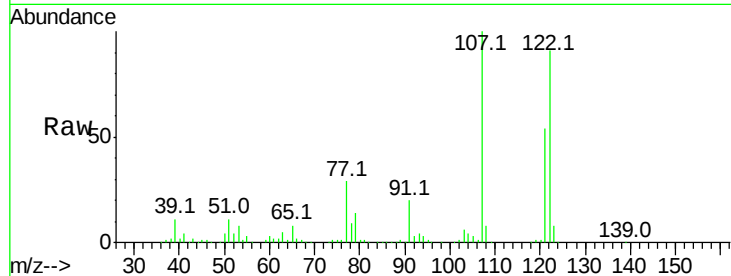
#27
2,4-Dimethylphenol
Concen: 49.54 ng
RT: 7.79 min Scan# 499
Delta R.T. -0.01 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Instrument :
BNA_F
ClientSampleId :
PB97152BS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	431478		
107	110.0	94.1	141.1	
121	59.7	46.0	69.0	

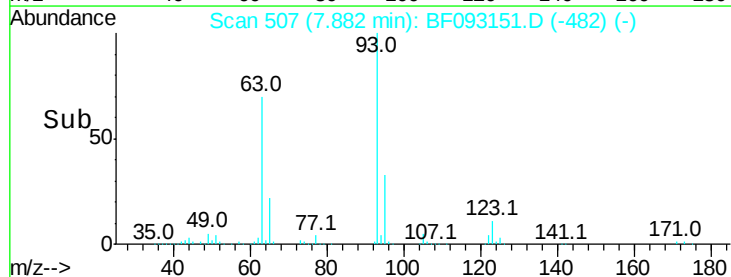
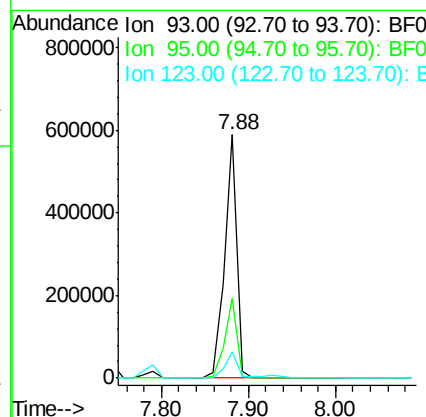
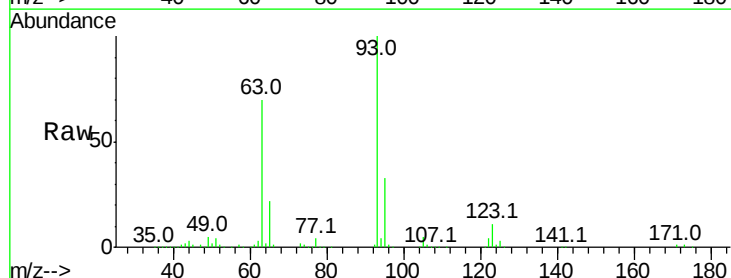
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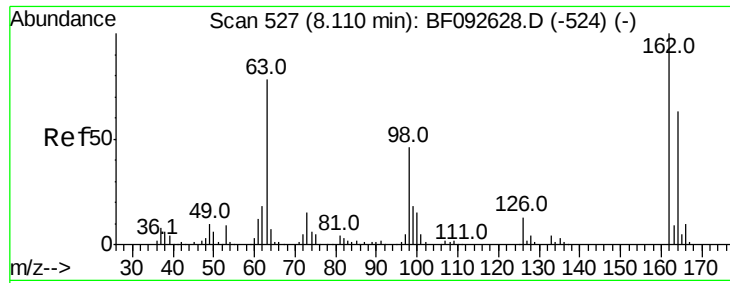
mohammad
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#28
bis(2-Chloroethoxy)methane
Concen: 46.59 ng
RT: 7.88 min Scan# 507
Delta R.T. -0.01 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	584166		
95	32.6	26.5	39.7	
123	10.6	8.6	13.0	





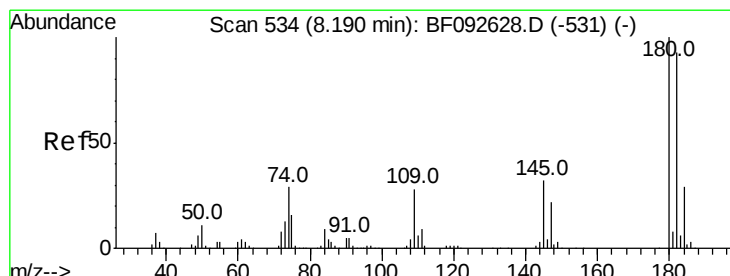
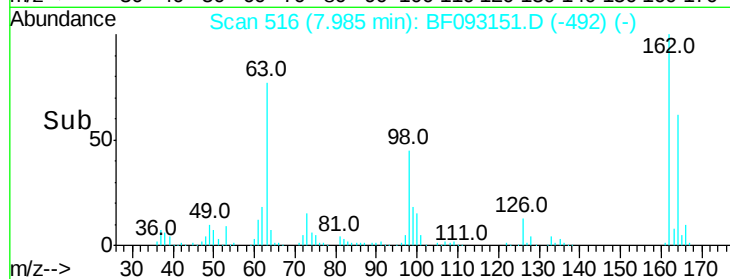
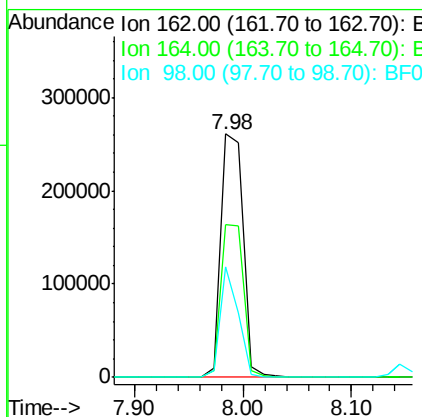
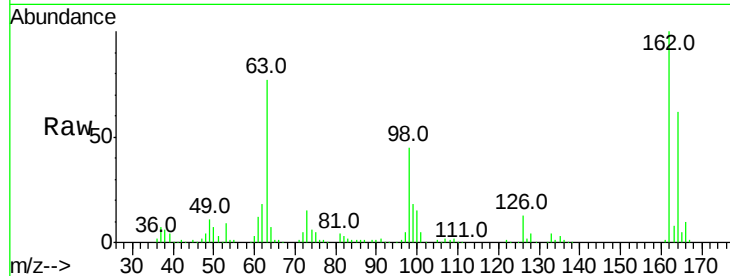
#29
 2,4-Dichlorophenol
 Concen: 45.77 ng
 RT: 7.98 min Scan# 516
 Delta R.T. -0.02 min
 Lab File: BF093151.D
 Acq: 24 Feb 2017 18:16

Instrument :
 BNA_F
 ClientSampleId :
 PB97152BS

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	62.5	46.8	86.8
98	45.2	9.1	49.1

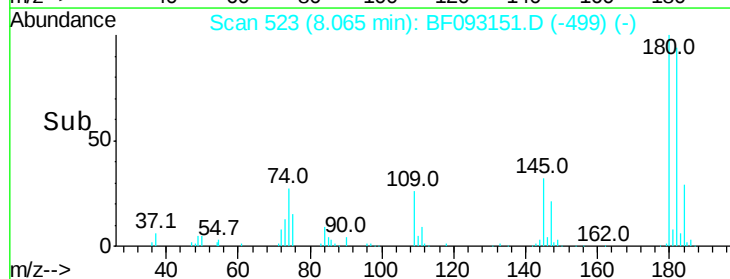
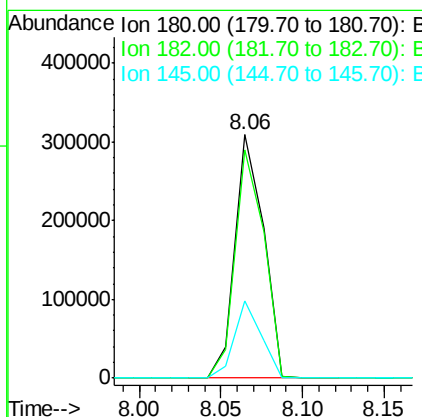
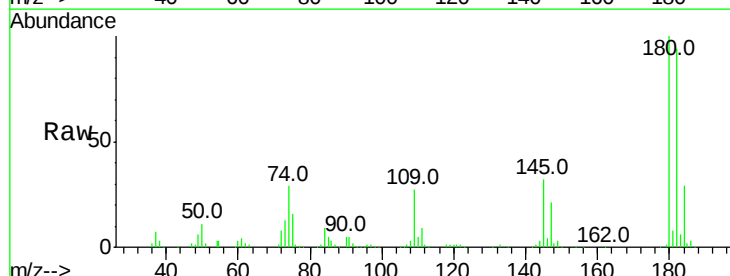
Manual Integrations
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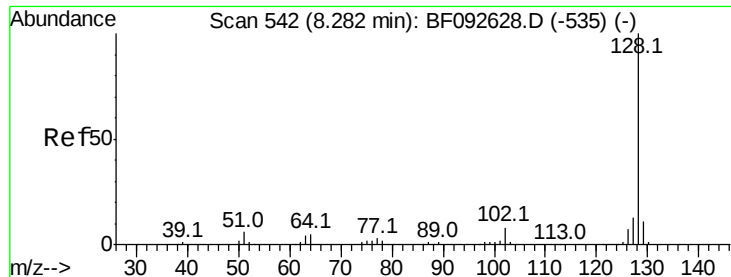
mohammad
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#30
 1,2,4-Trichlorobenzene
 Concen: 42.41 ng
 RT: 8.06 min Scan# 523
 Delta R.T. -0.02 min
 Lab File: BF093151.D
 Acq: 24 Feb 2017 18:16

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	93.9	78.2	117.4
145	31.9	21.6	32.4





#31

Naphthalene

Concen: 40.90 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.02 min

Lab File: BF093151.D

Acq: 24 Feb 2017 18:16

Instrument :

BNA_F

ClientSampled :

PB97152BS

Tot Ion:128 Resp: 1173069

Ion Ratio Lower Upper

128 100

129 11.5 9.5 14.3

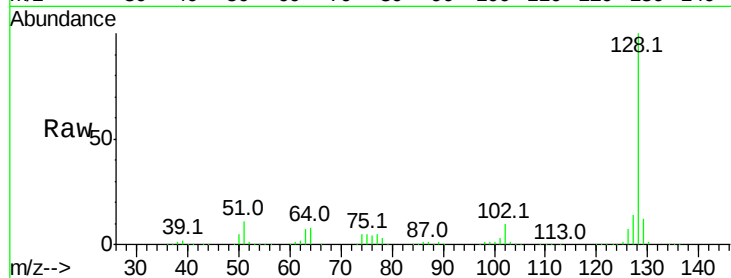
127 13.5 10.8 16.2

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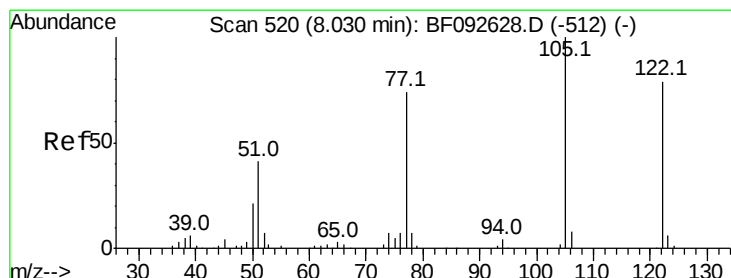
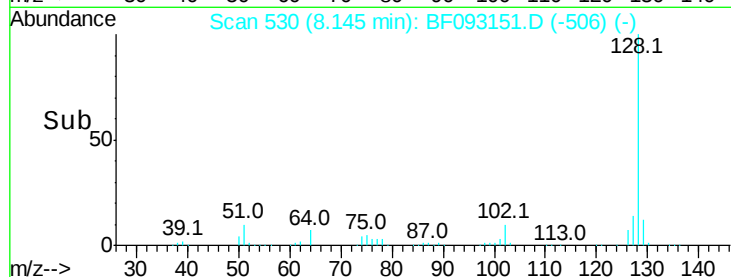
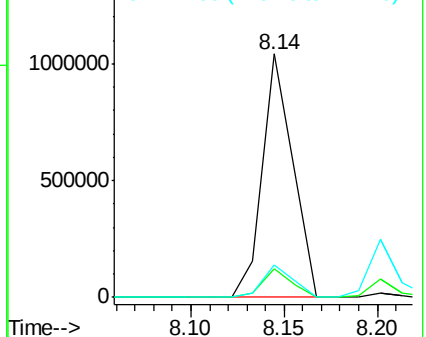
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 49.23 ng

RT: 7.94 min Scan# 512

Delta R.T. 0.01 min

Lab File: BF093151.D

Acq: 24 Feb 2017 18:16

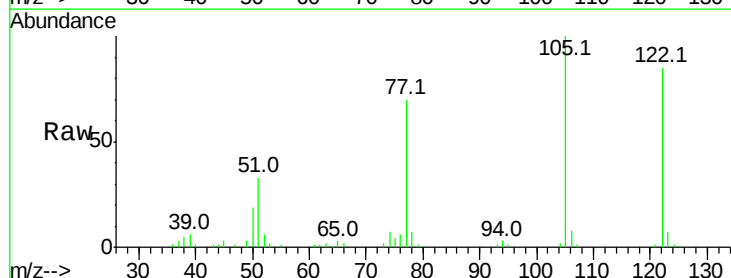
Tgt Ion:122 Resp: 243997

Ion Ratio Lower Upper

122 100

105 117.2 107.2 147.2

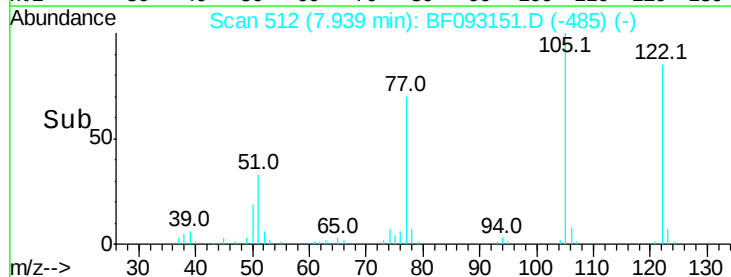
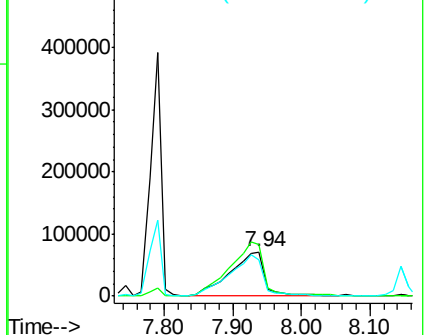
77 82.6 74.5 114.5

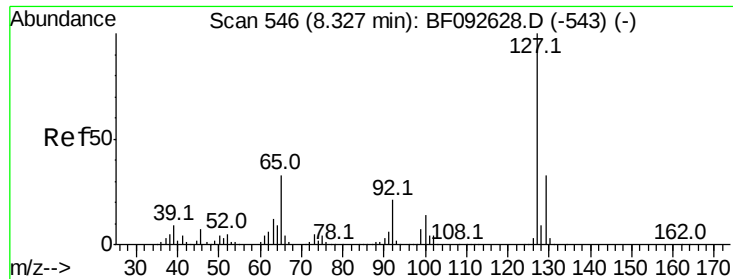


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





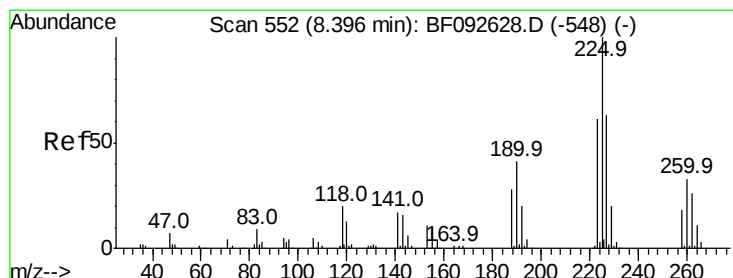
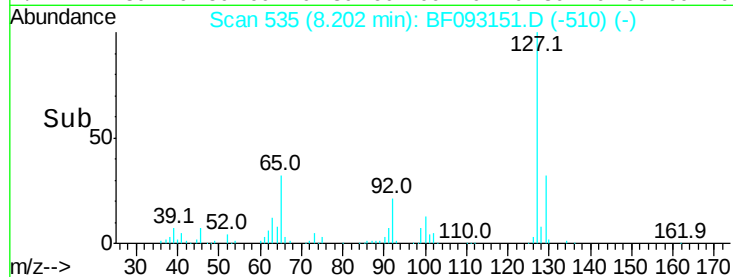
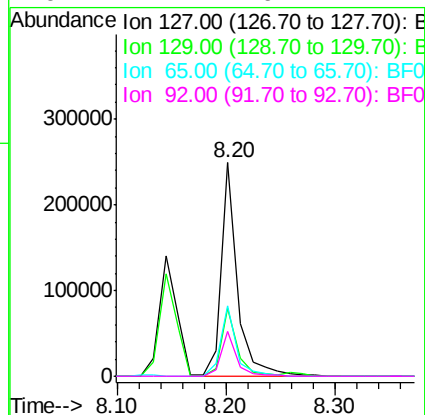
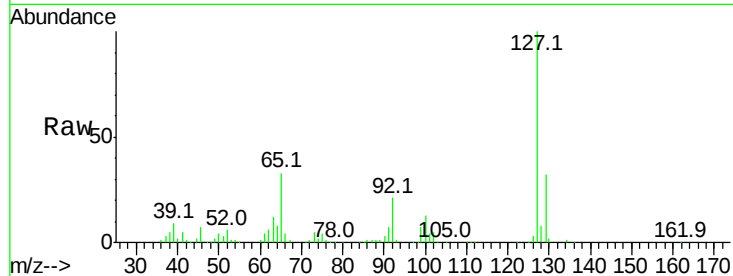
#33
4-Chloroaniline
Concen: 22.85 ng
RT: 8.20 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Instrument :
BNA_F
ClientSampleId :
PB97152BS

Tot Ion	Ratio	Resp	Lower	Upper
127	100	257029		
129	31.8	26.3	39.5	
65	32.8	25.8	38.8	
92	21.2	16.1	24.1	

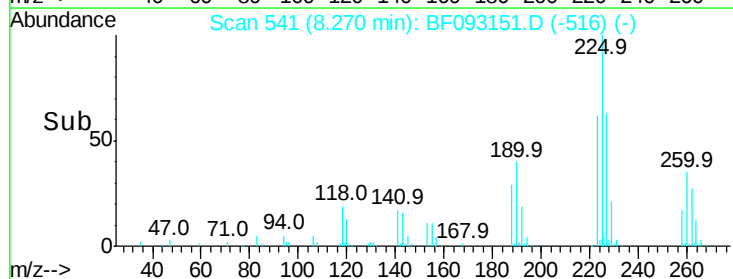
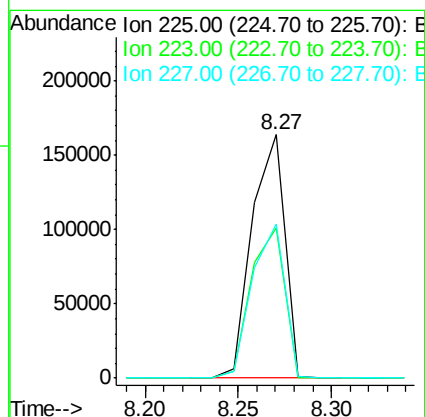
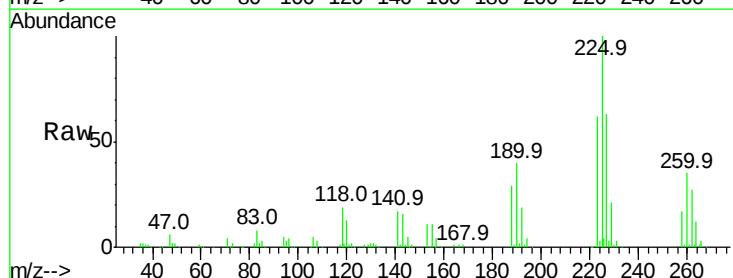
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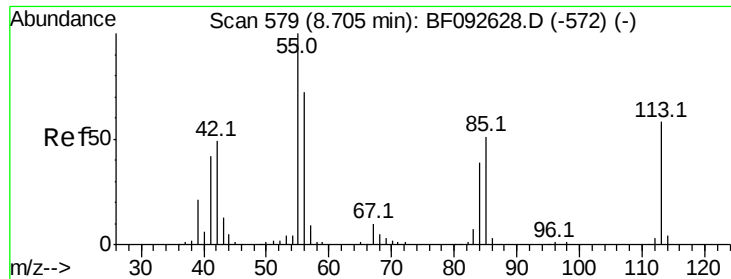
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#34
Hexachlorobutadiene
Concen: 41.32 ng
RT: 8.27 min Scan# 541
Delta R.T. -0.01 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	199022		
223	61.9	51.0	76.6	
227	63.3	50.6	76.0	





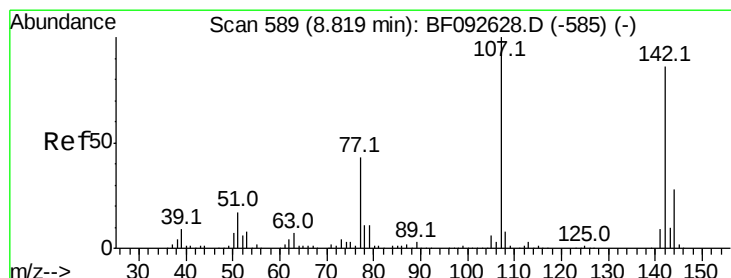
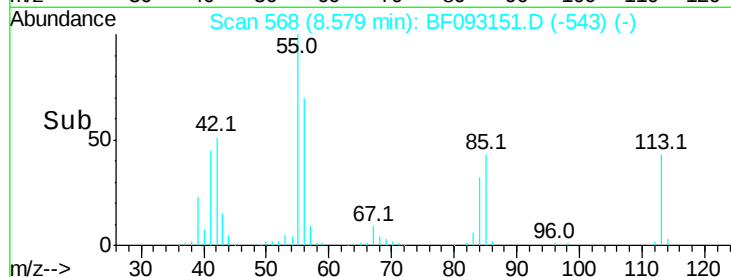
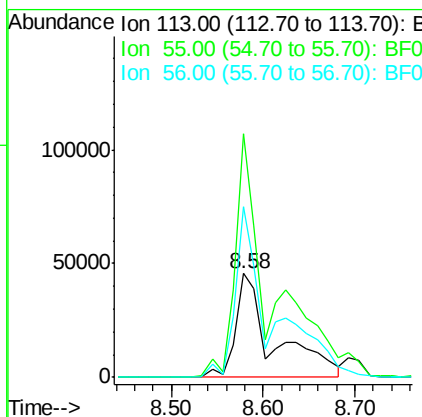
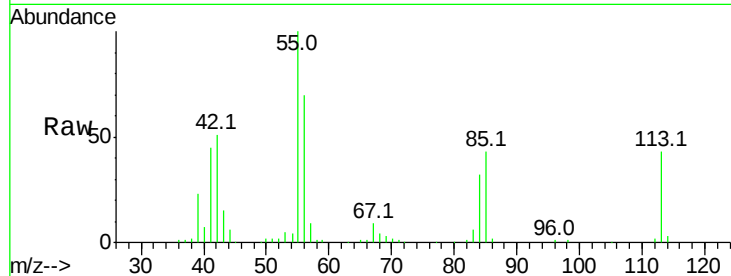
#35
 Caprolactam
 Concen: 51.29 ng/ml
 RT: 8.58 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: BF093151.D
 Acq: 24 Feb 2017 18:16

Instrument :
 BNA_F
 ClientSampleID :
 PB97152BS

Tot Ion:113 Resp: 131049
 Ion Ratio Lower Upper
 113 100
 55 235.1 119.2 159.2#
 56 164.4 83.8 123.8#

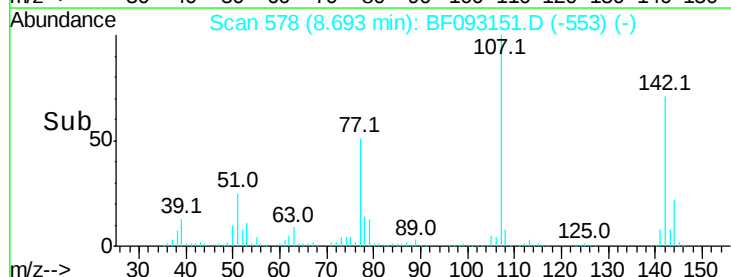
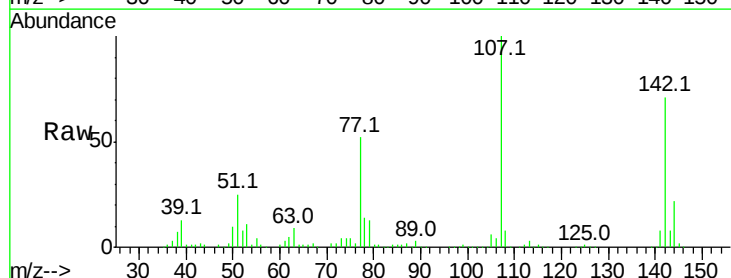
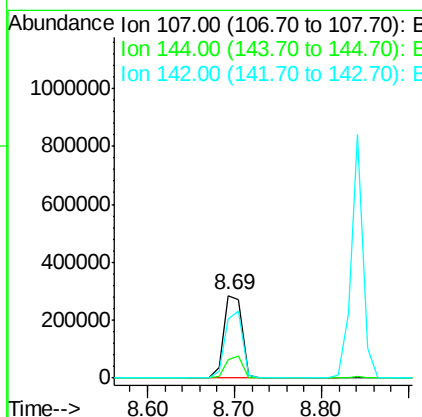
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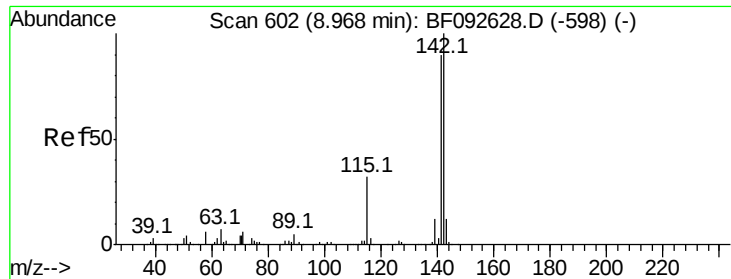
mohammad
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#36
 4-Chloro-3-methylphenol
 Concen: 49.42 ng/ml
 RT: 8.69 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: BF093151.D
 Acq: 24 Feb 2017 18:16

Tgt Ion:107 Resp: 418509
 Ion Ratio Lower Upper
 107 100
 144 22.4 19.3 28.9
 142 71.3 59.0 88.6





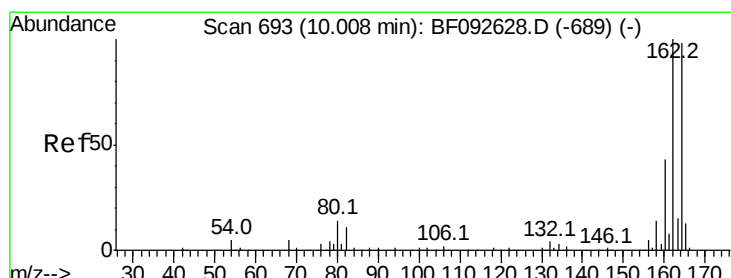
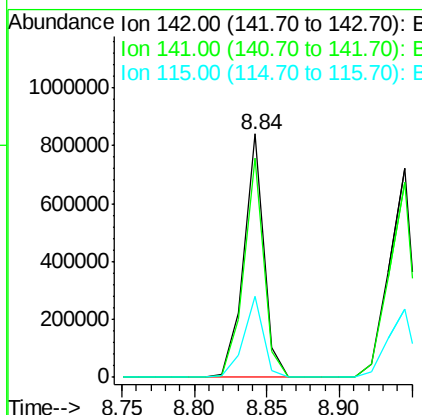
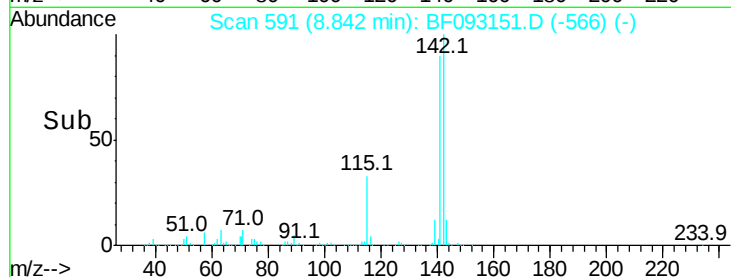
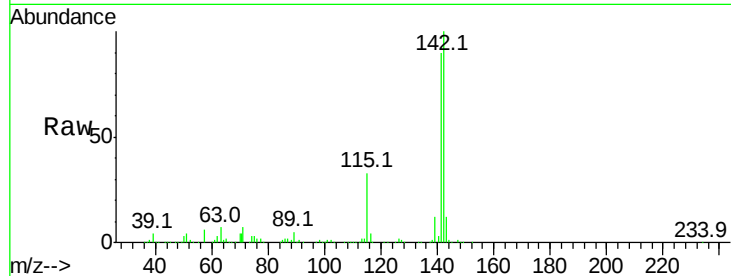
#37
2-Methylnaphthalene
Concen: 43.88 ng
RT: 8.84 min Scan# 591
Delta R.T. -0.01 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Instrument :
BNA_F
ClientSampleId :
PB97152BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.0	106.6
115	33.5	28.3	42.5

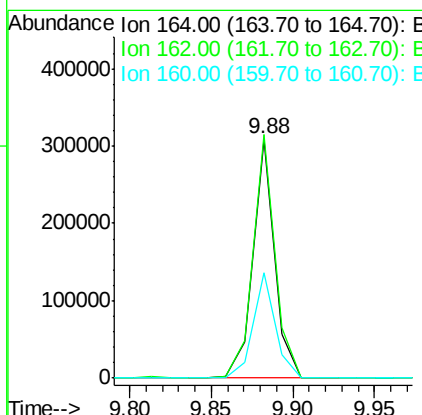
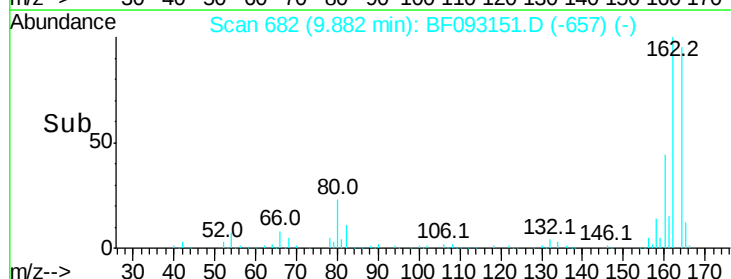
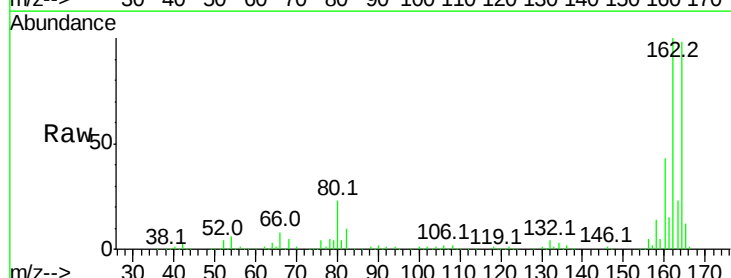
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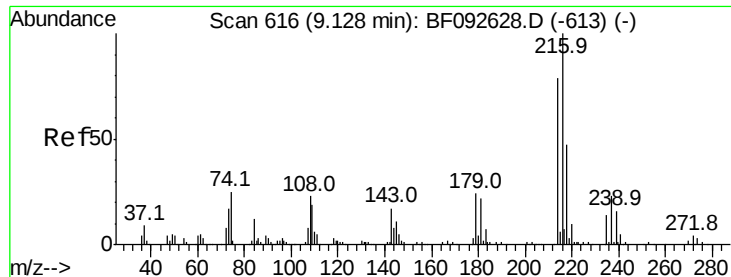
mohammad
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	80.2	120.2
160	44.1	36.9	55.3





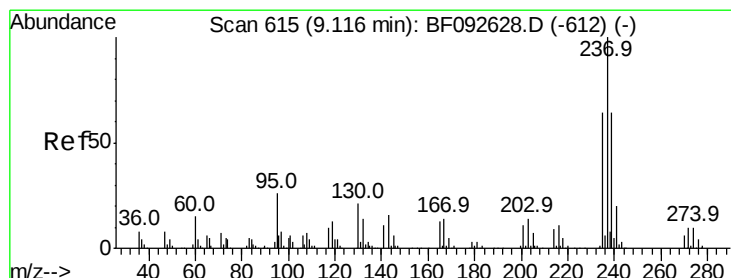
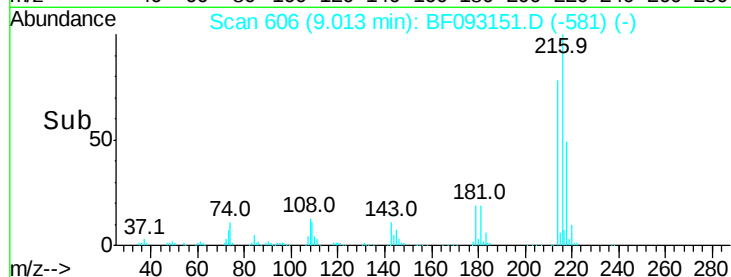
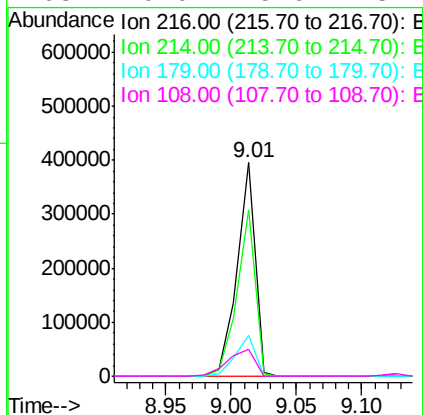
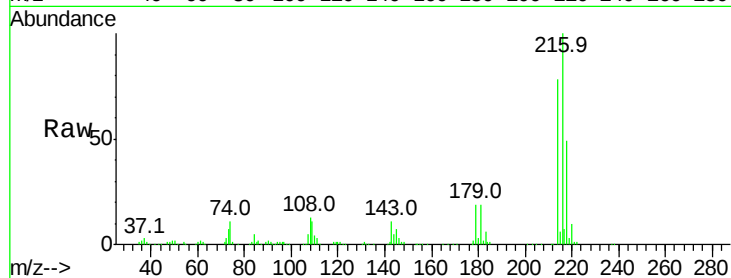
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 47.48 ng
 RT: 9.01 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: BF093151.D
 Acq: 24 Feb 2017 18:16

Instrument :
 BNA_F
 ClientSampleId :
 PB97152BS

Tot Ion:	216	Resp:	379480
Ion Ratio		Lower	Upper
216	100		
214	78.4	63.4	95.0
179	20.8	17.4	26.2
108	19.0	15.6	23.4

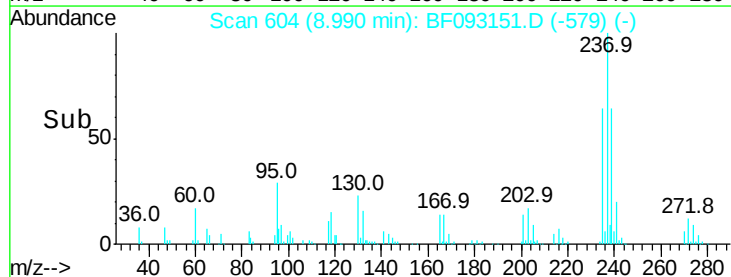
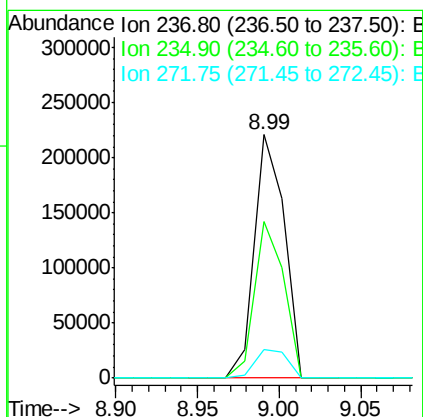
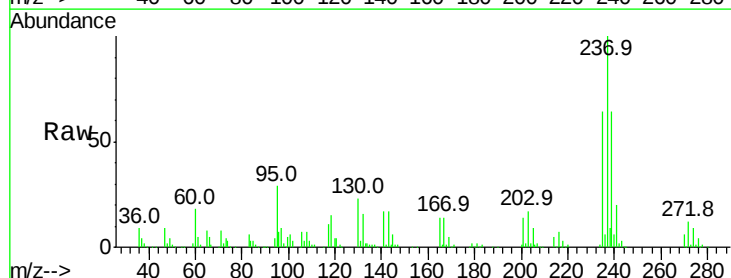
Manual Integrations
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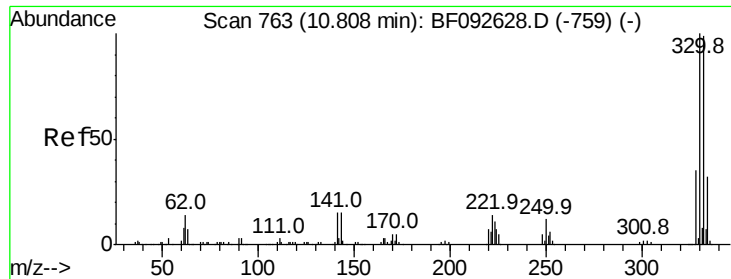
mohammad
 2/27/2017 1:07:32 PM



#40
 Hexachlorocyclopentadiene
 Concen: 78.15 ng
 RT: 8.99 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: BF093151.D
 Acq: 24 Feb 2017 18:16

Tgt Ion:	237	Resp:	281786
Ion Ratio		Lower	Upper
237	100		
235	64.3	41.2	81.2
272	11.7	0.0	35.4





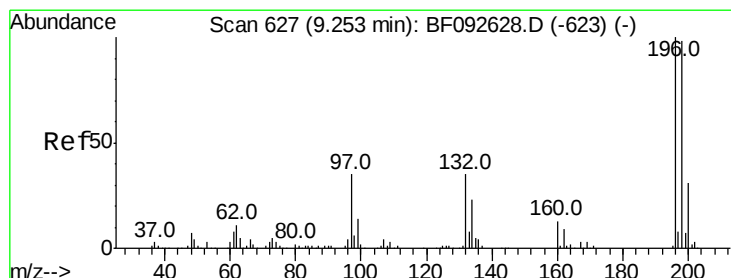
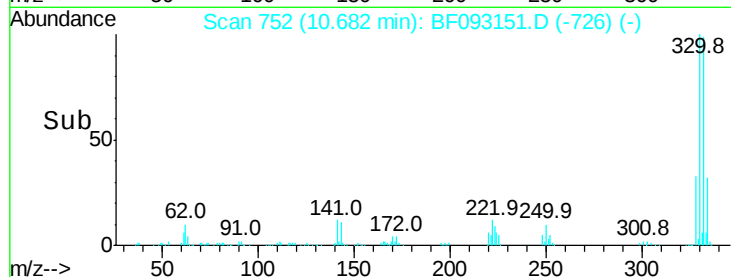
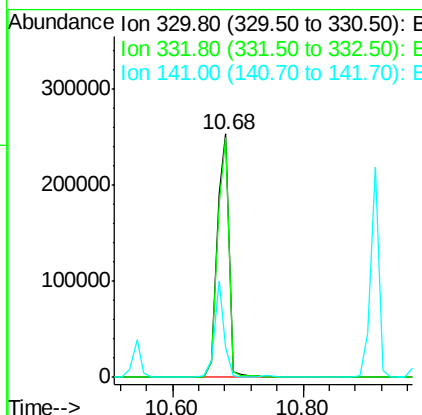
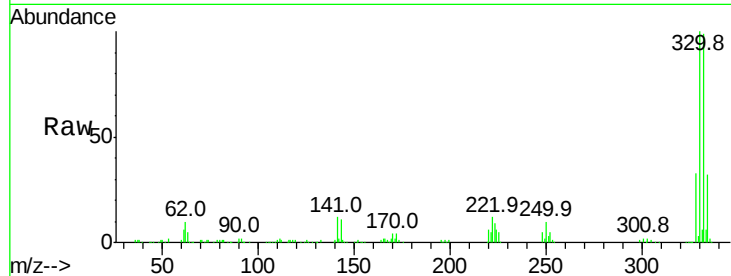
#41
 2,4,6-Tribromophenol
 Concen: 159.66 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: BF093151.D
 Acq: 24 Feb 2017 18:16

Instrument :
 BNA_F
 ClientSampleId :
 PB97152BS

Tot Ion	Ratio	Resp	Lower	Upper
330	100	328777		
332	96.5	77.4	116.2	
141	32.1	34.1	51.1#	

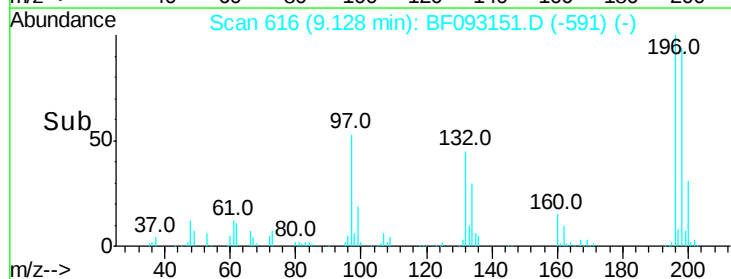
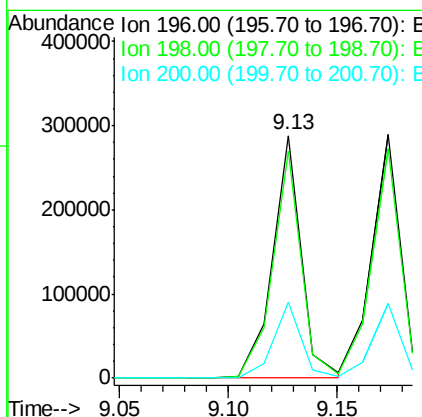
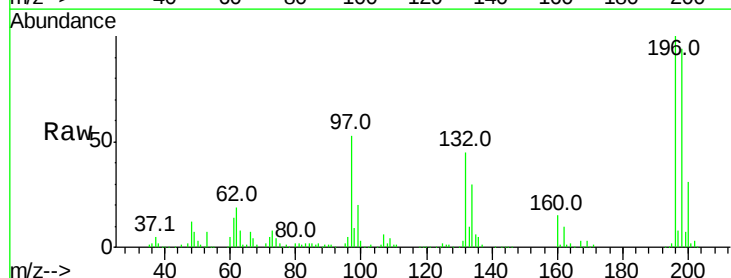
Manual Integrations
 APPROVED

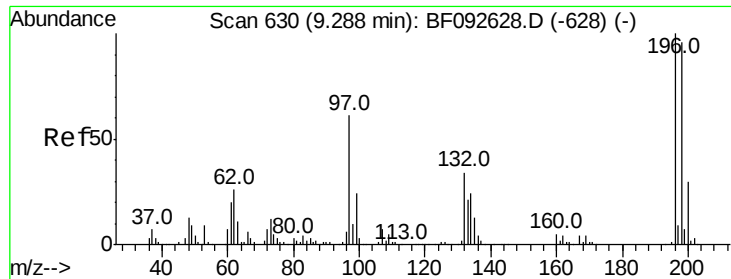
mohammad
 2/27/2017 1:07:32 PM



#42
 2,4,6-Trichlorophenol
 Concen: 50.78 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF093151.D
 Acq: 24 Feb 2017 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	266667		
198	93.5	82.1	123.1	
200	31.2	27.0	40.4	





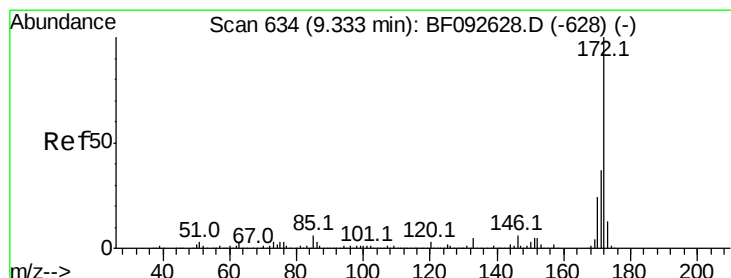
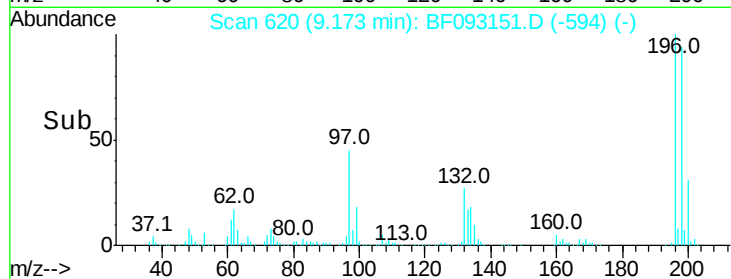
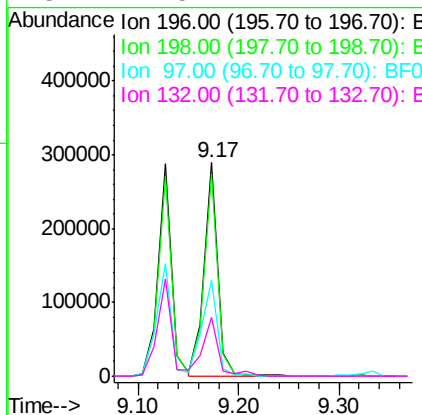
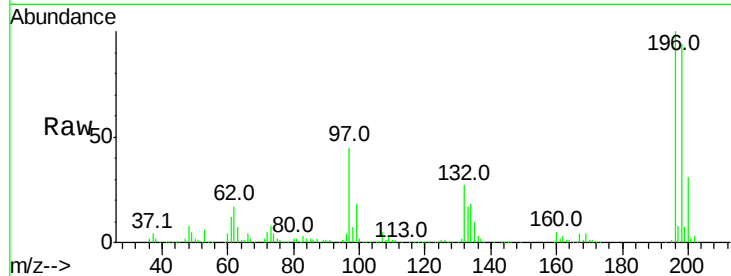
#43
 2,4,5-Trichlorophenol
 Concen: 47.32 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.00 min
 Lab File: BF093151.D
 Acq: 24 Feb 2017 18:16

Instrument :
 BNA_F
 ClientSampleId :
 PB97152BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	272303		
198	94.4	79.4	119.2	
97	45.1	51.5	77.3#	
132	27.5	27.4	41.2	

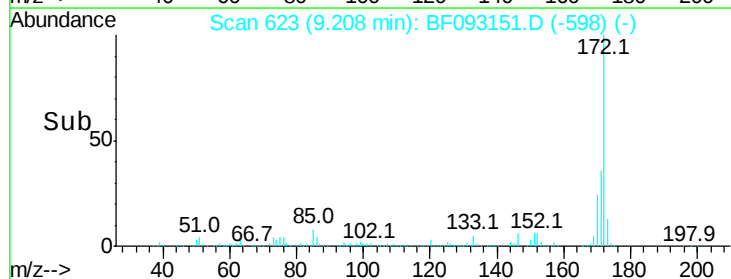
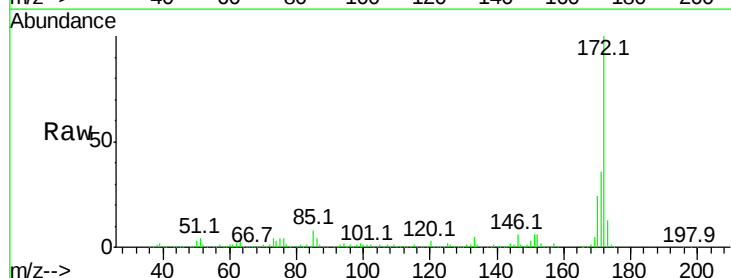
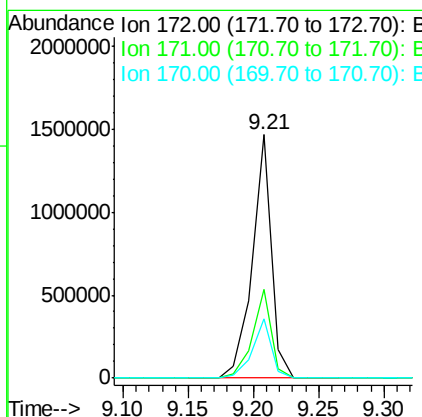
Manual Integrations
 APPROVED

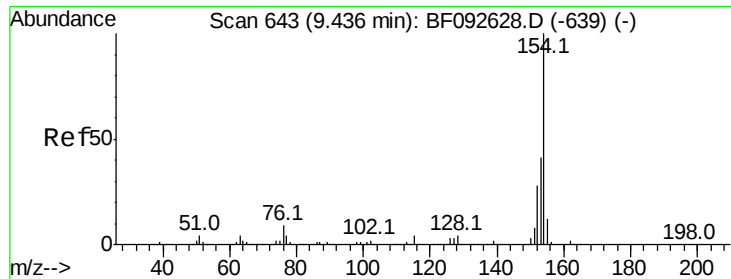
mohammad
 2/27/2017 1:07:32 PM



#44
 2-Fluorobiphenyl
 Concen: 95.21 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093151.D
 Acq: 24 Feb 2017 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1496287		
171	36.5	29.4	44.0	
170	24.3	20.2	30.4	





#45

1,1'-Biphenyl

Concen: 50.85 ng

RT: 9.31 min Scan# 632

Delta R.T. -0.01 min

Lab File: BF093151.D

Acq: 24 Feb 2017 18:16

Instrument :

BNA_F

ClientSampled :

PB97152BS

Tot Ion:154 Resp: 1048298

Ion Ratio Lower Upper

154 100

153 41.0 20.9 60.9

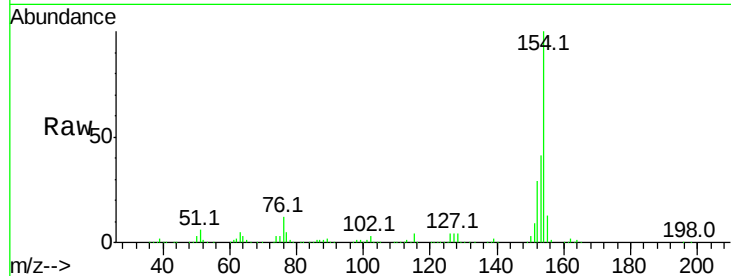
76 12.0 0.0 30.5

Manual Integrations

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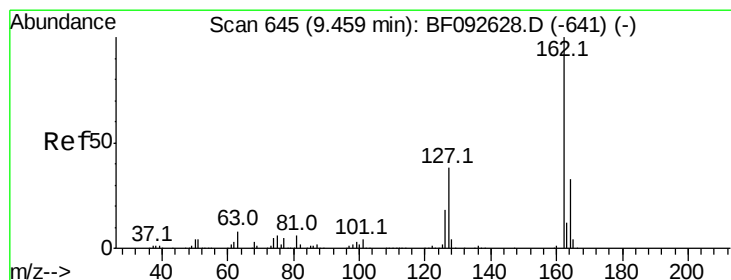
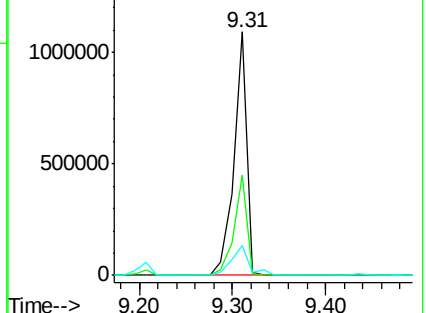
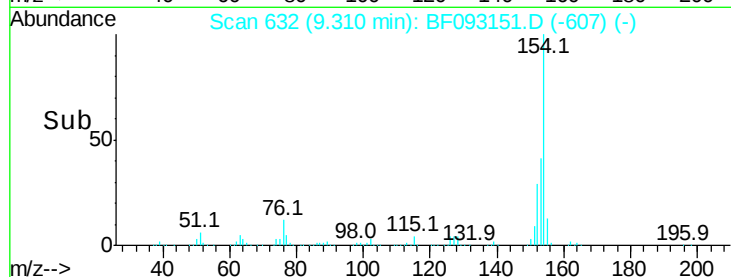
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 49.00 ng

RT: 9.33 min Scan# 634

Delta R.T. -0.01 min

Lab File: BF093151.D

Acq: 24 Feb 2017 18:16

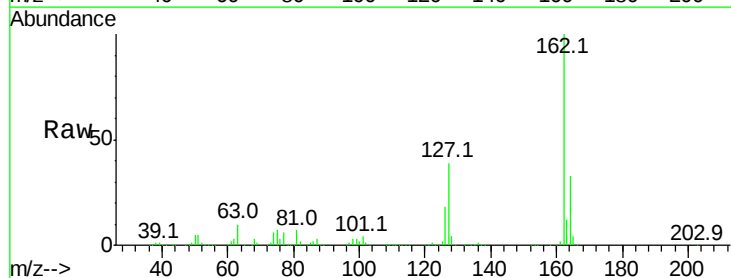
Tgt Ion:162 Resp: 790290

Ion Ratio Lower Upper

162 100

127 39.2 30.7 46.1

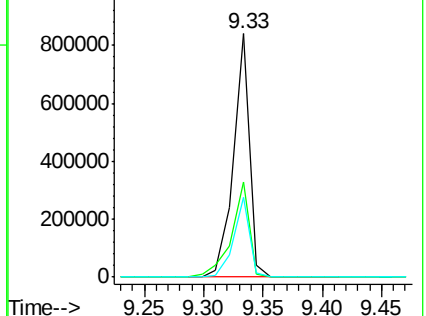
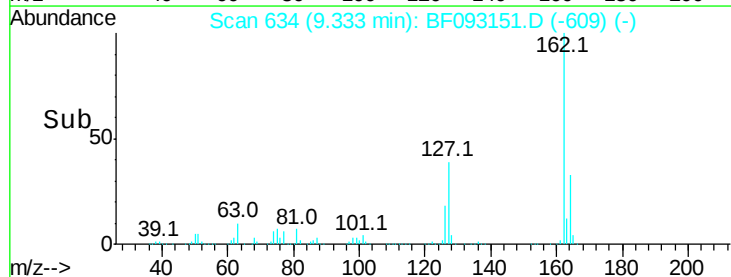
164 32.7 27.6 41.4

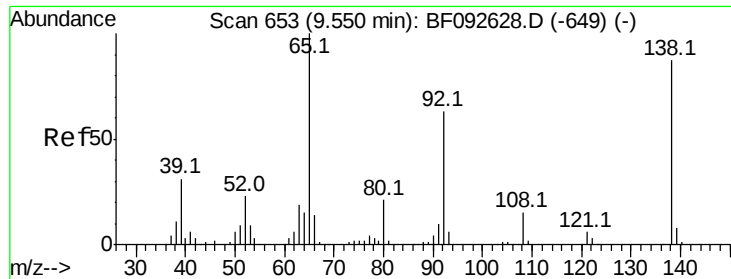


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





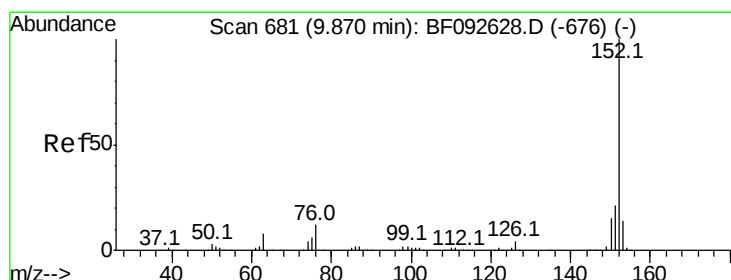
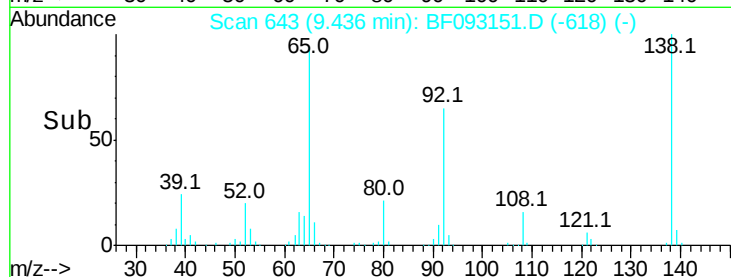
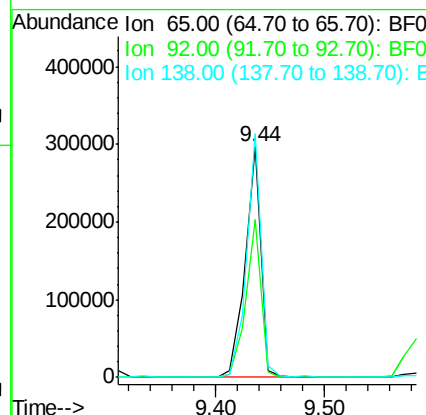
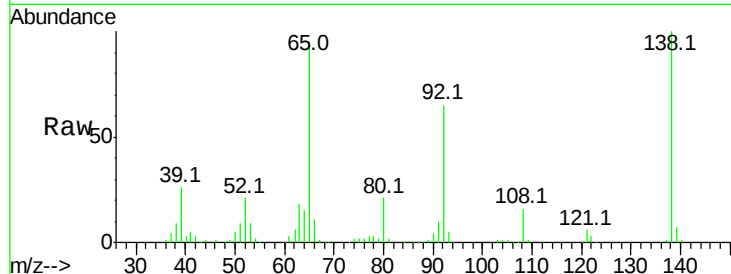
#47
2-Nitroaniline
Concen: 53.75 ng
RT: 9.44 min Scan# 643
Delta R.T. -0.01 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Instrument :
BNA_F
ClientSampleId :
PB97152BS

Tot Ion	Ratio	Lower	Upper
65	100		
92	68.3	53.9	80.9
138	105.7	76.8	115.2

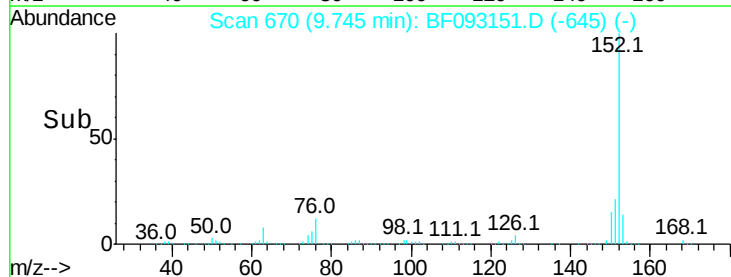
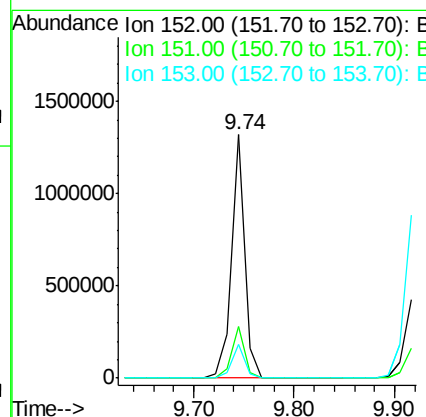
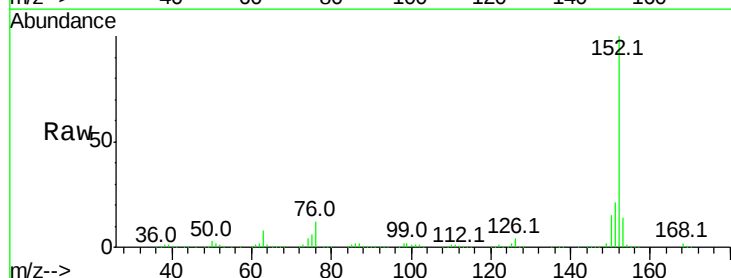
Manual Integrations
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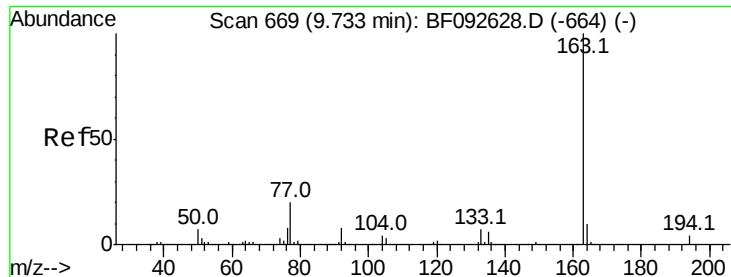
mohammad
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#48
Acenaphthylene
Concen: 43.04 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.9	25.3
153	13.8	11.4	17.2





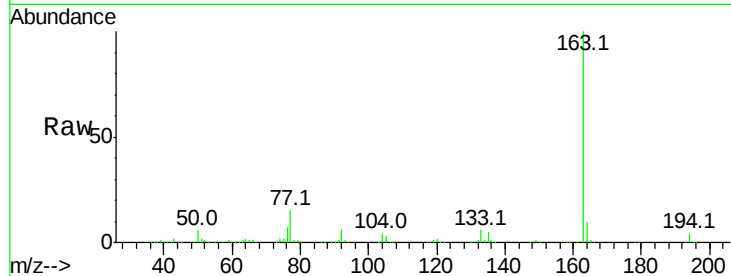
#49
Dimethylphthalate
Concen: 52.22 ng
RT: 9.62 min Scan# 659
Delta R.T. -0.00 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Instrument :
BNA_F
ClientSampled :
PB97152BS

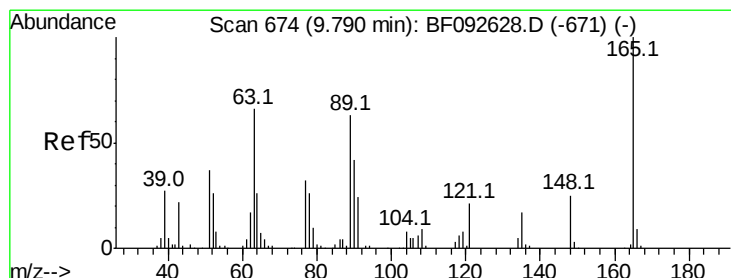
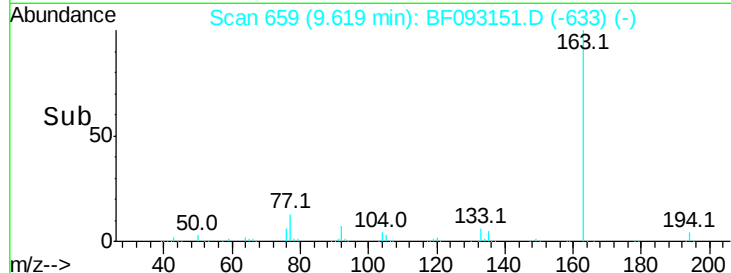
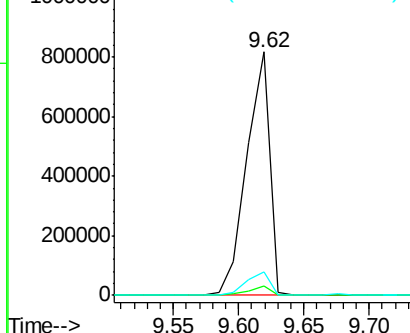
Tot Ion:163 Resp: 1001440
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.4
164 9.8 8.0 12.0

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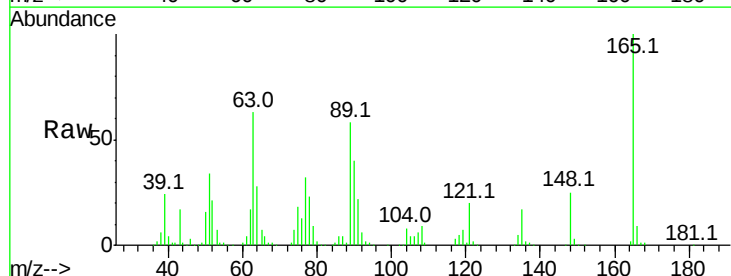


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

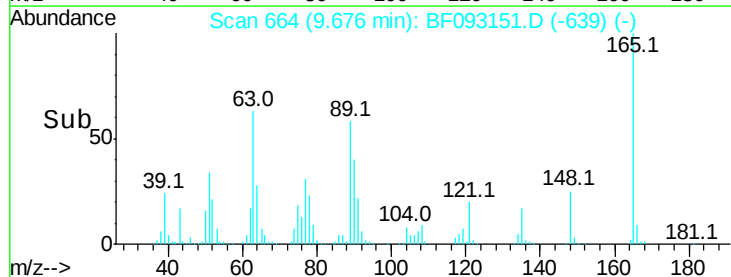
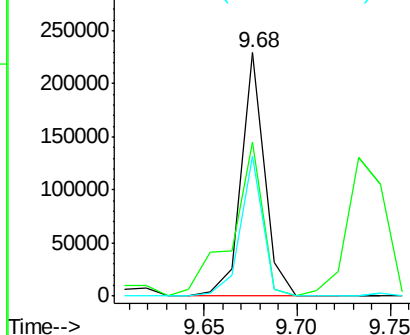


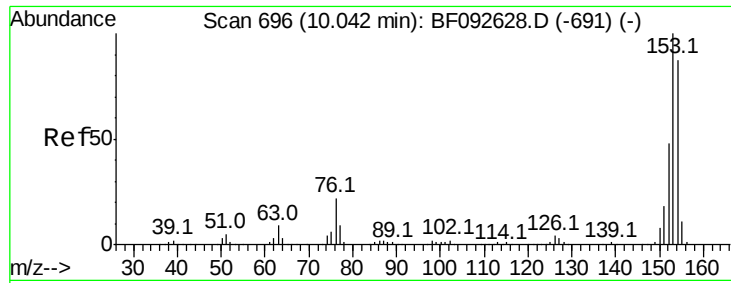
#50
2,6-Dinitrotoluene
Concen: 48.30 ng
RT: 9.68 min Scan# 664
Delta R.T. -0.01 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Tgt Ion:165 Resp: 200048
Ion Ratio Lower Upper
165 100
63 63.3 36.2 54.4#
89 57.6 40.2 60.4



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





#51

Acenaphthene

Concen: 41.69 ng

RT: 9.92 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF093151.D

Acq: 24 Feb 2017 18:16

Instrument :

BNA_F

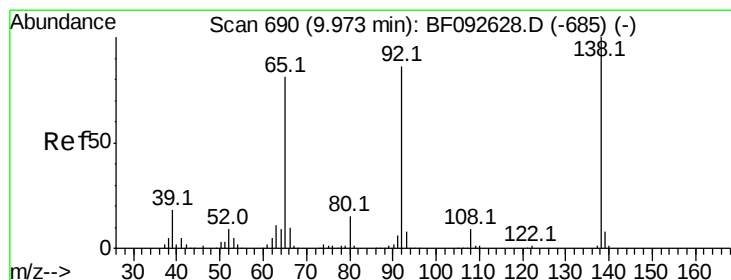
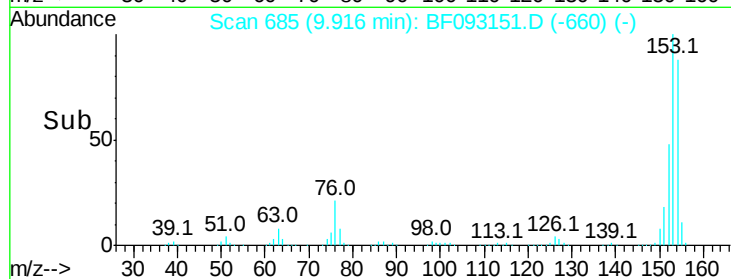
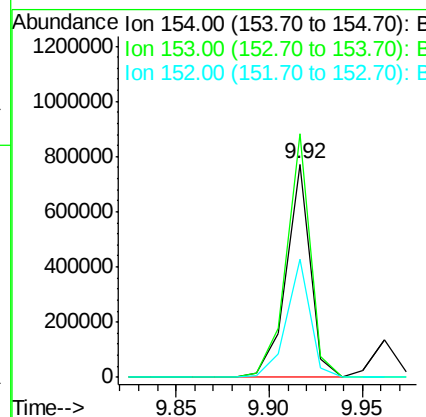
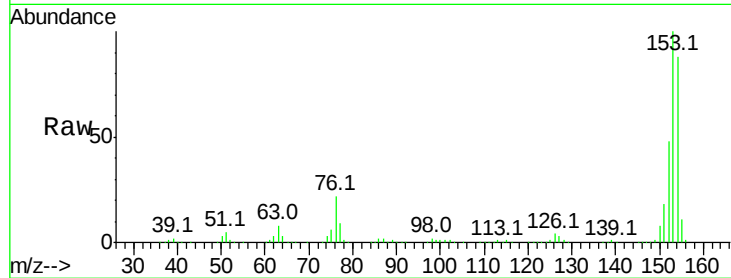
ClientSampleId :

PB97152BS

Tot Ion:	154	Resp:	694468
Ion Ratio	Lower	Upper	
154	100		
153	114.1	88.6	133.0
152	55.3	41.6	62.4

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#52

3-Nitroaniline

Concen: 31.76 ng

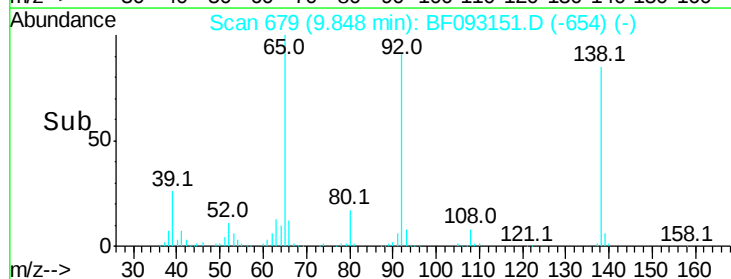
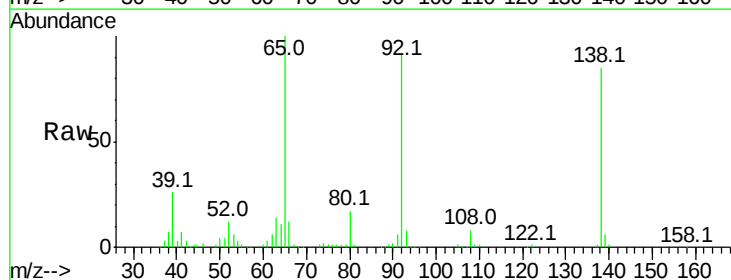
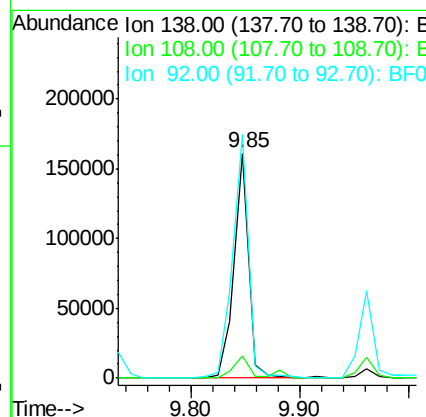
RT: 9.85 min Scan# 679

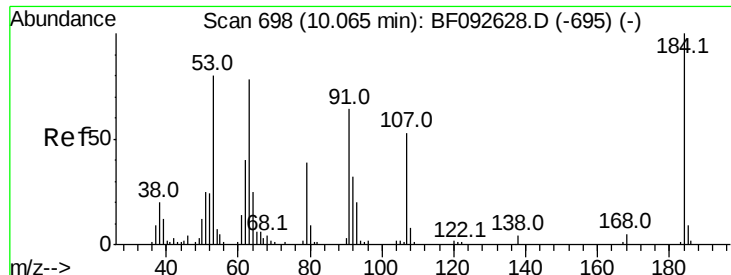
Delta R.T. -0.01 min

Lab File: BF093151.D

Acq: 24 Feb 2017 18:16

Tgt Ion:	138	Resp:	150550
Ion Ratio	Lower	Upper	
138	100		
108	9.7	8.5	12.7
92	108.2	97.8	146.8





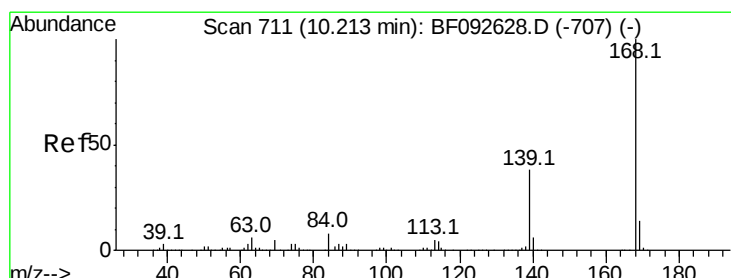
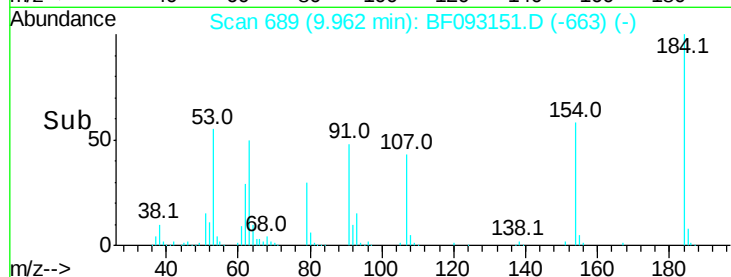
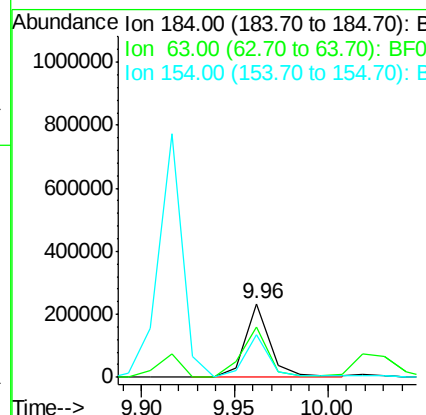
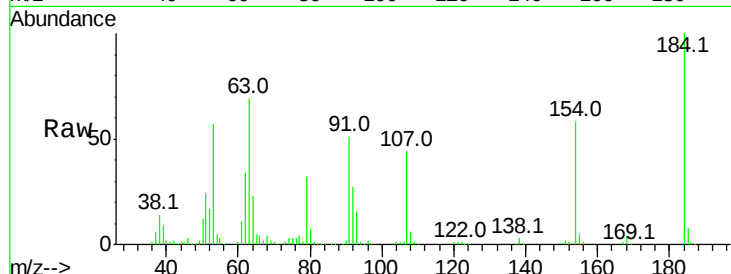
#53
 2,4-Dinitrophenol
 Concen: 103.95 ng
 RT: 9.96 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: BF093151.D
 Acq: 24 Feb 2017 18:16

Instrument :
 BNA_F
 ClientSampled :
 PB97152BS

Tot Ion	Ratio	Resp	Lower	Upper
184	100	222194		
63	68.7	28.4	42.6#	
154	57.7	44.3	66.5	

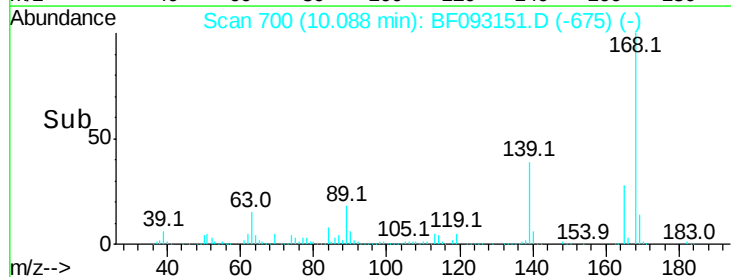
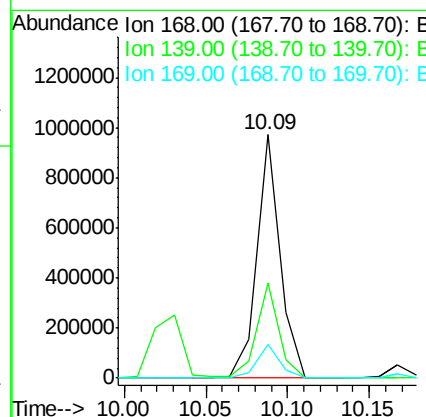
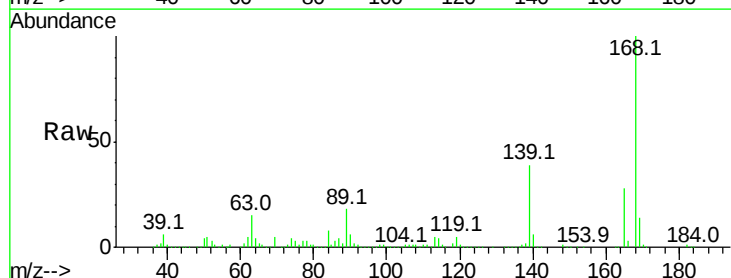
Manual Integrations
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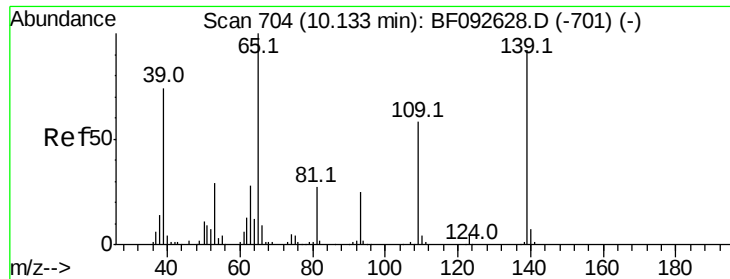
mohammad
 2/27/2017 1:07:32 PM



#54
 Dibenzofuran
 Concen: 43.18 ng
 RT: 10.09 min Scan# 700
 Delta R.T. -0.01 min
 Lab File: BF093151.D
 Acq: 24 Feb 2017 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	962137		
139	38.9	32.6	49.0	
169	13.9	11.3	16.9	





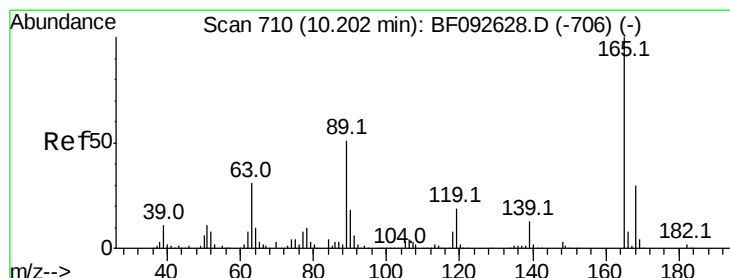
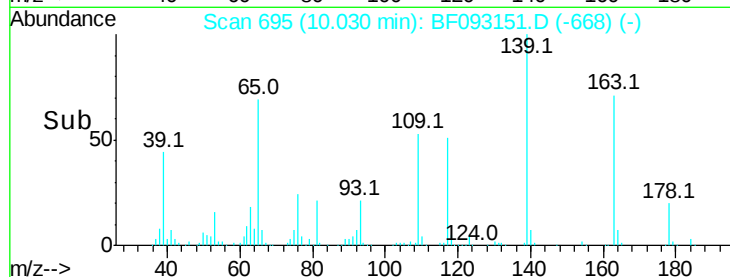
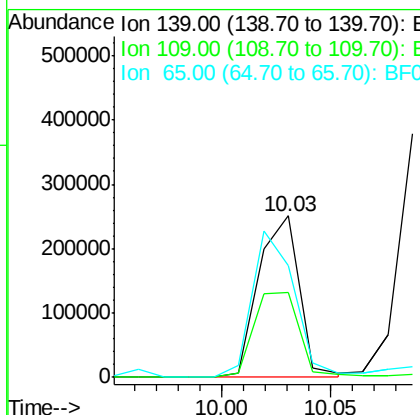
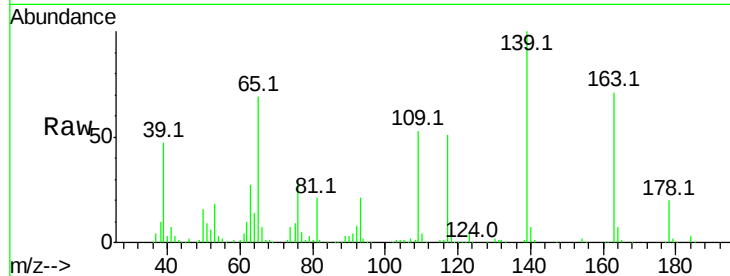
#55
4-Nitrophenol
Concen: 96.06 ng
RT: 10.03 min Scan# 695
Delta R.T. 0.01 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Instrument :
BNA_F
ClientSampled :
PB97152BS

Tot Ion	Ratio	Resp	Lower	Upper
139	100	327911		
109	52.8	52.2	92.2	
65	69.3	85.8	125.8	

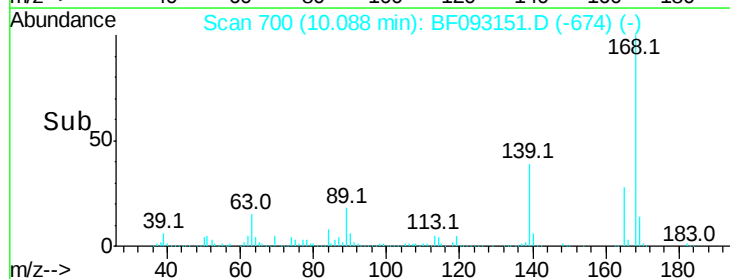
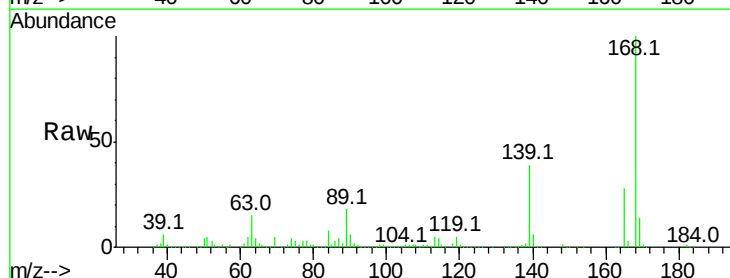
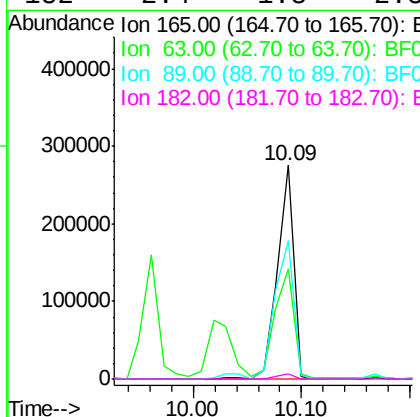
Manual Integrations
APPROVED

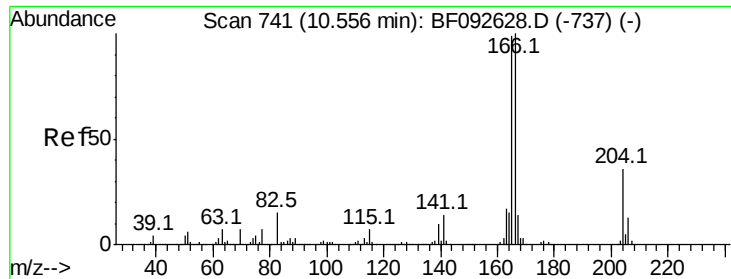
mohammad
2/27/2017 1:07:32 PM



#56
2,4-Dinitrotoluene
Concen: 51.51 ng
RT: 10.09 min Scan# 700
Delta R.T. -0.00 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	284047		
63	51.5	40.2	60.4	
89	64.7	62.5	93.7	
182	2.4	1.8	2.8	





#57

Fluorene

Concen: 46.40 ng

RT: 10.43 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF093151.D

Acq: 24 Feb 2017 18:16

Instrument :

BNA_F

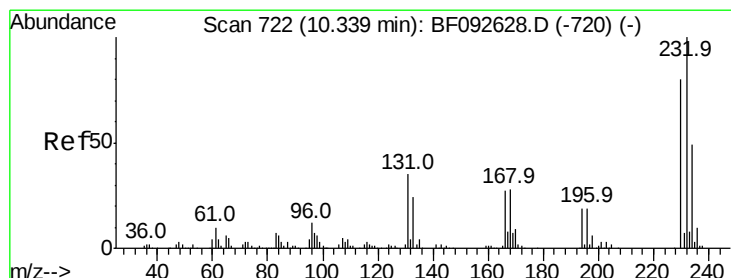
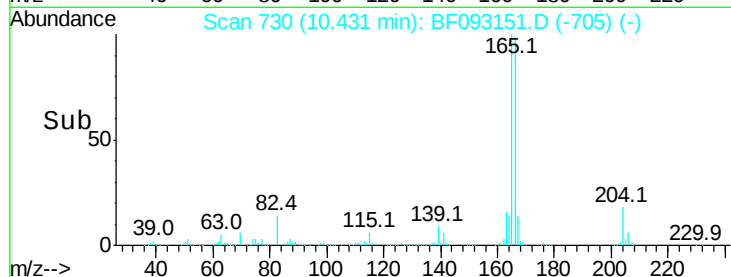
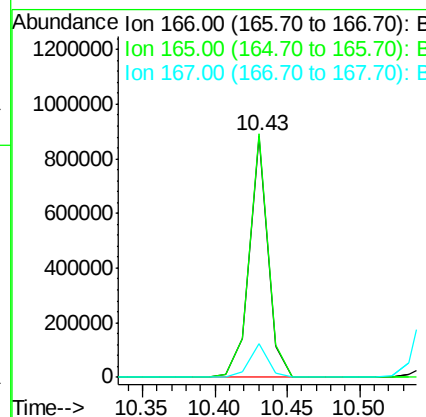
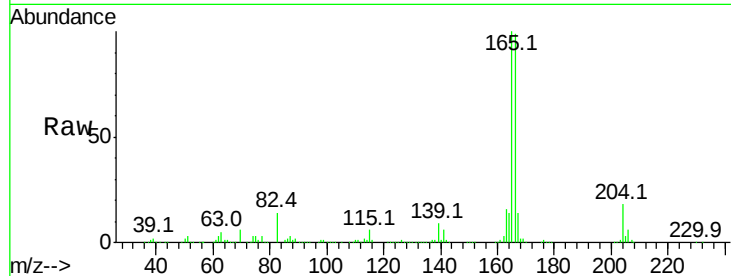
ClientSampleId :

PB97152BS

Tot Ion	Ratio	Resp	Lower	Upper
166	100	795375		
165	100.8		77.8	116.8
167	13.7		10.8	16.2

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#58

2,3,4,6-Tetrachlorophenol

Concen: 56.90 ng

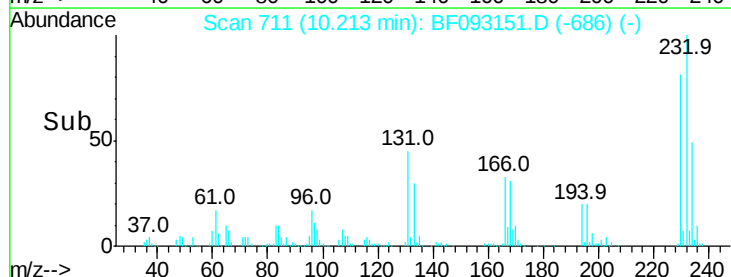
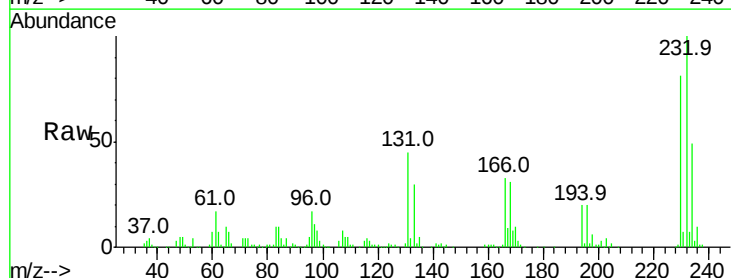
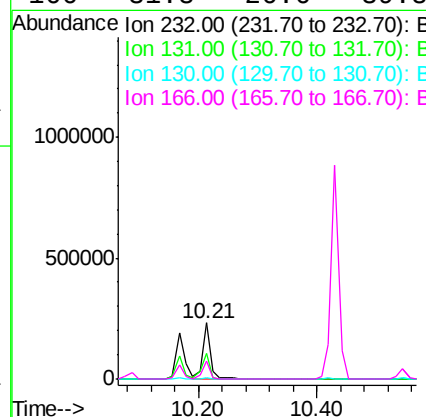
RT: 10.21 min Scan# 711

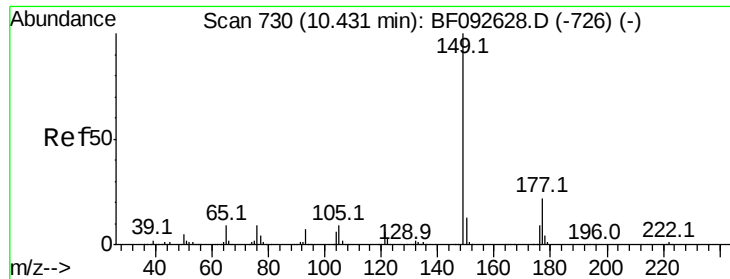
Delta R.T. -0.01 min

Lab File: BF093151.D

Acq: 24 Feb 2017 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	218399		
131	45.5		40.1	60.1
130	2.5		1.8	2.8
166	31.8		26.6	39.8





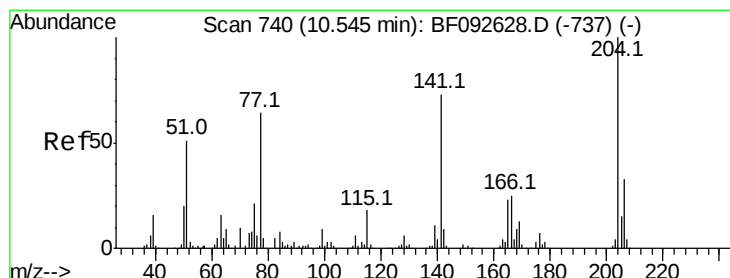
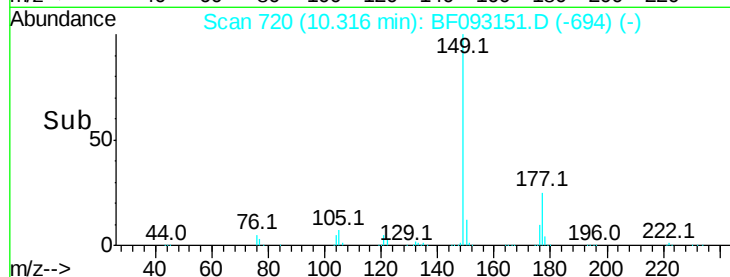
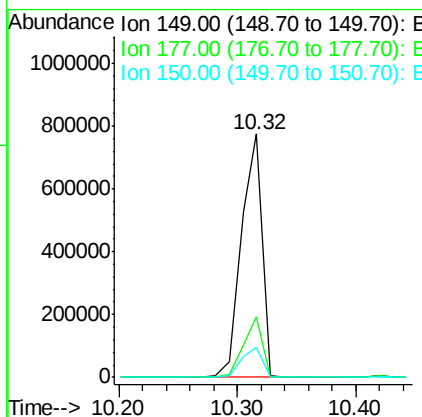
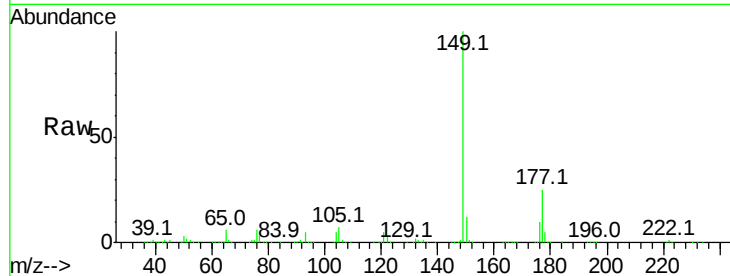
#59
Diethylphthalate
Concen: 51.85 ng
RT: 10.32 min Scan# 720
Delta R.T. -0.00 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Instrument :
BNA_F
ClientSampled :
PB97152BS

Tot Ion	Ratio	Lower	Upper
149	100		
177	24.7	16.6	25.0
150	12.3	10.4	15.6

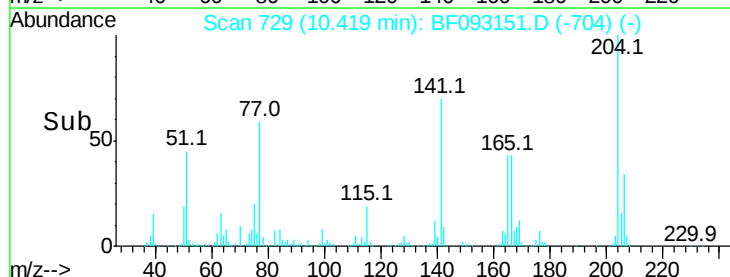
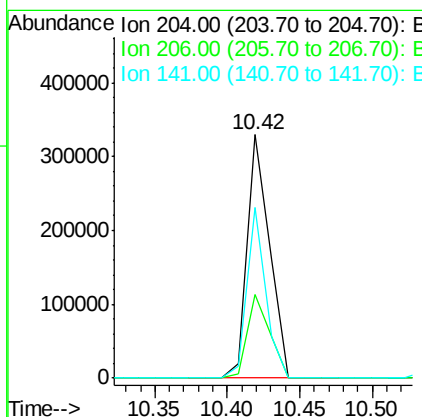
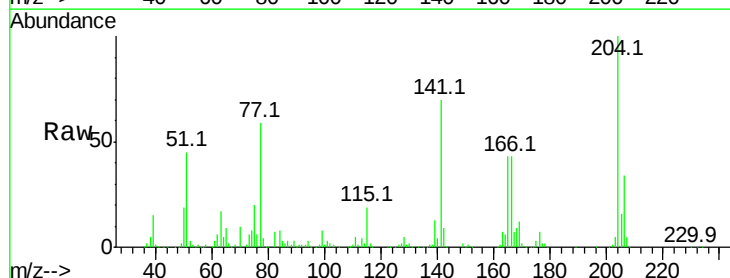
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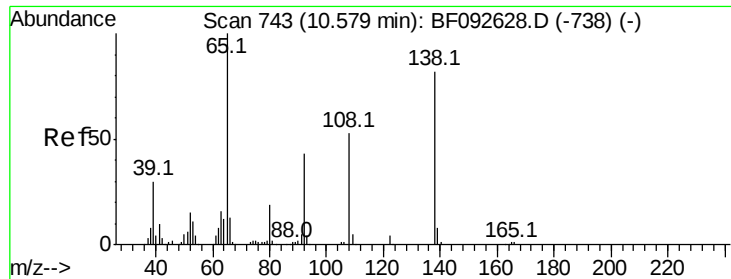
mohammad
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#60
4-Chlorophenyl-phenylether
Concen: 42.58 ng
RT: 10.42 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Tgt Ion	Ratio	Lower	Upper
204	100		
206	34.2	25.8	38.6
141	70.2	59.4	89.0





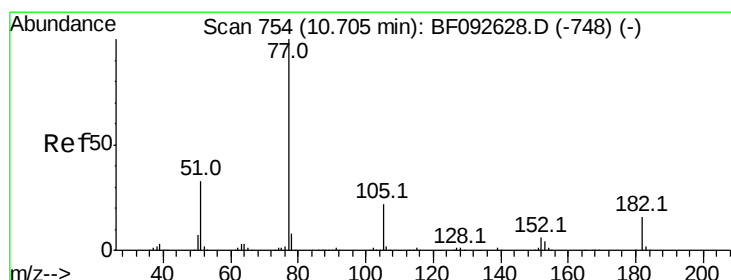
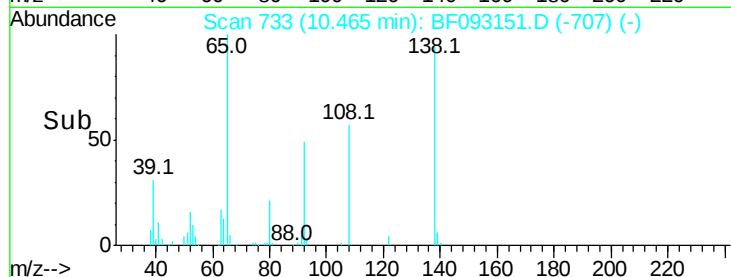
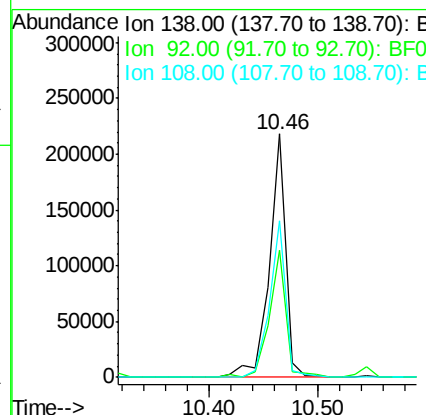
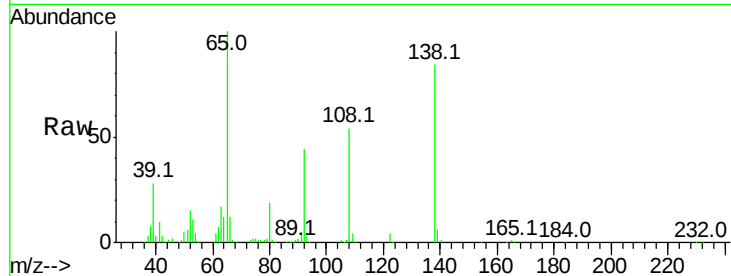
#61
4-Nitroaniline
Concen: 48.04 ng
RT: 10.46 min Scan# 733
Delta R.T. -0.00 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Instrument :
BNA_F
ClientSampleId :
PB97152BS

Tot Ion	Ratio	Resp	Lower	Upper
138	100	233191		
92	52.0	31.7	71.7	
108	64.4	52.6	92.6	

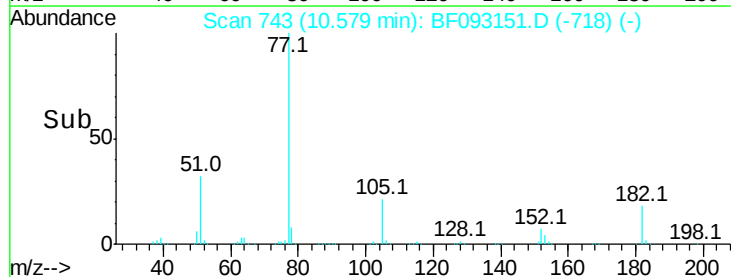
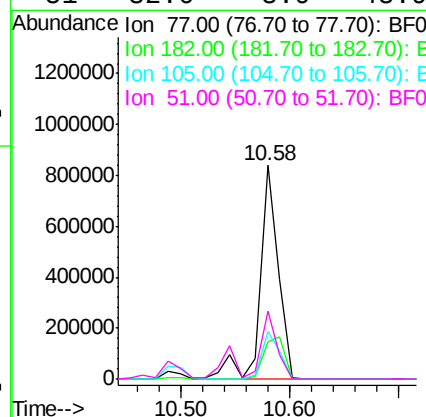
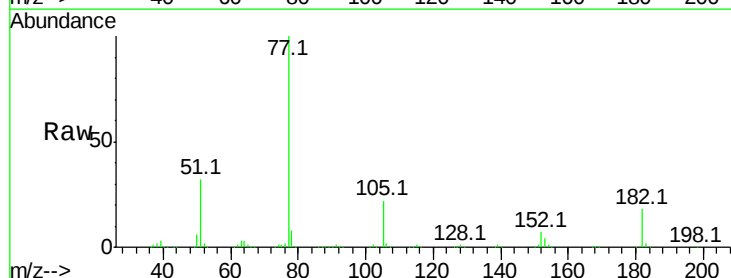
Manual Integrations
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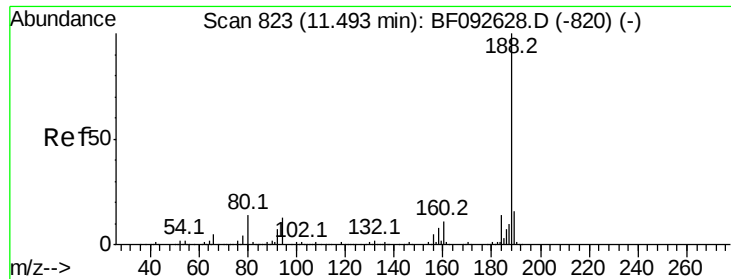
mohammad
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#62
Azobenzene
Concen: 53.15 ng
RT: 10.58 min Scan# 743
Delta R.T. -0.01 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	992404		
182	17.6	0.0	39.3	
105	22.1	2.3	42.3	
51	32.0	8.9	48.9	





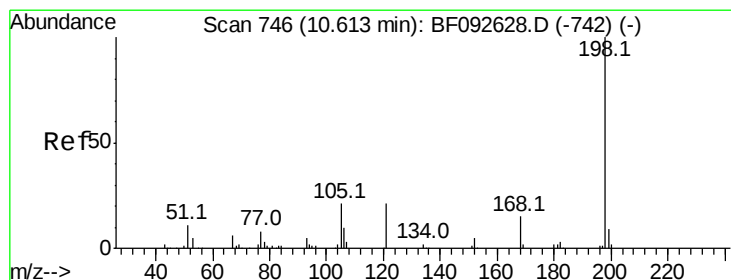
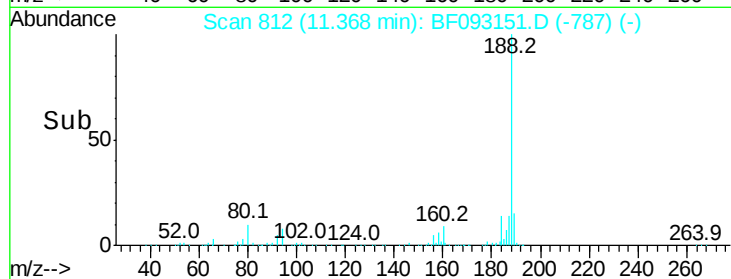
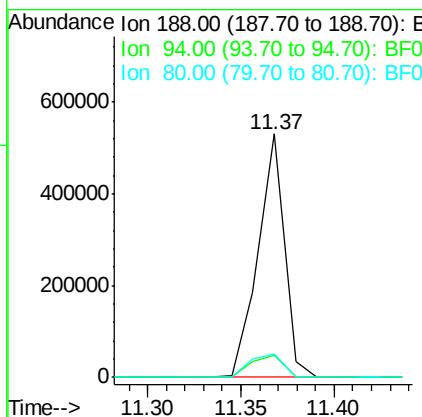
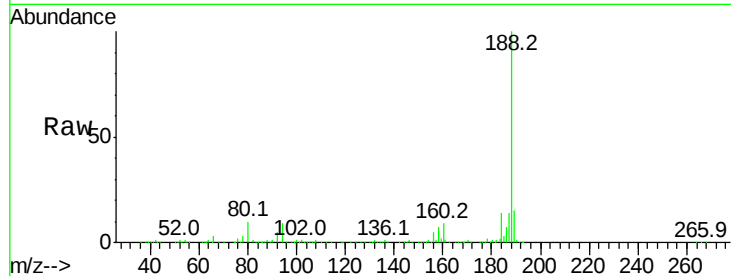
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Instrument :
BNA_F
ClientSampleId :
PB97152BS

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.0	10.0	15.0#
80	9.8	11.2	16.8#

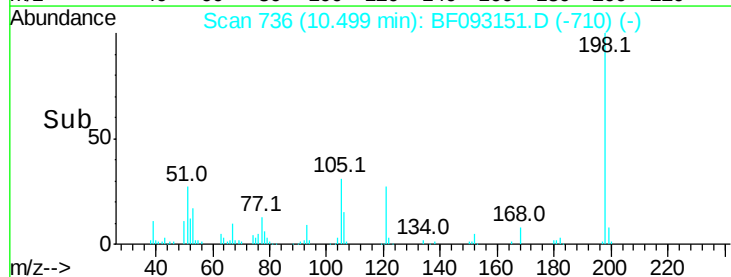
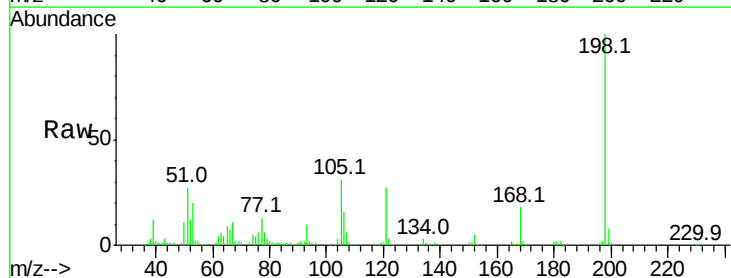
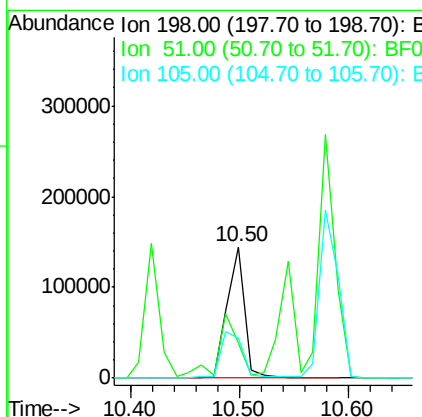
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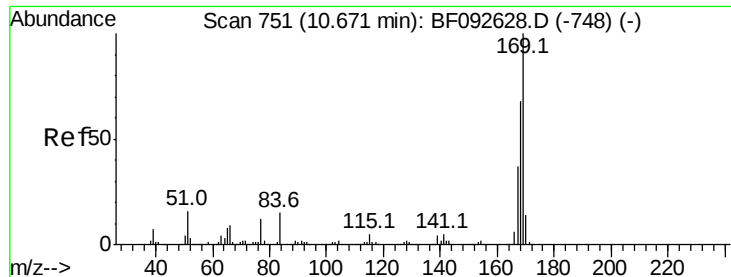
mohammad
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#64
4,6-Dinitro-2-methylphenol
Concen: 51.35 ng
RT: 10.50 min Scan# 736
Delta R.T. -0.00 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Tgt Ion	Ratio	Resp Lower	Upper
198	100		
51	26.8	6.7	46.7
105	30.6	16.6	56.6





#65

n-Nitrosodiphenylamine

Concen: 42.88 ng

RT: 10.54 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF093151.D

Acq: 24 Feb 2017 18:16

Instrument :

BNA_F

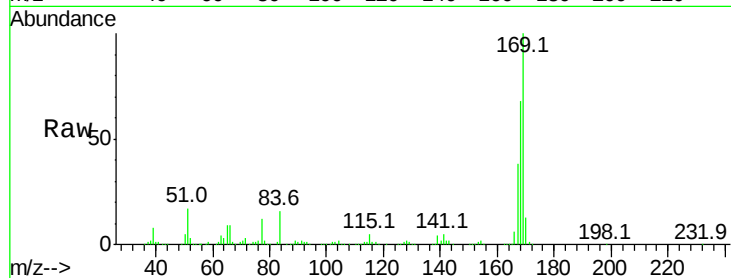
ClientSampleId :

PB97152BS

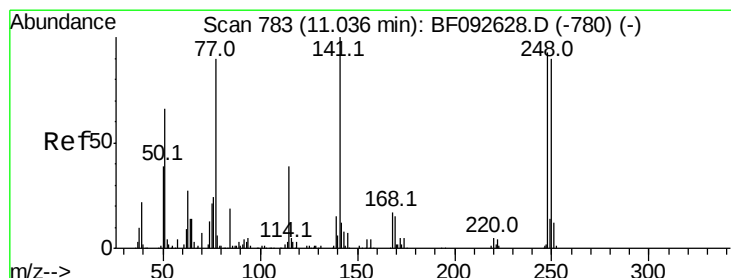
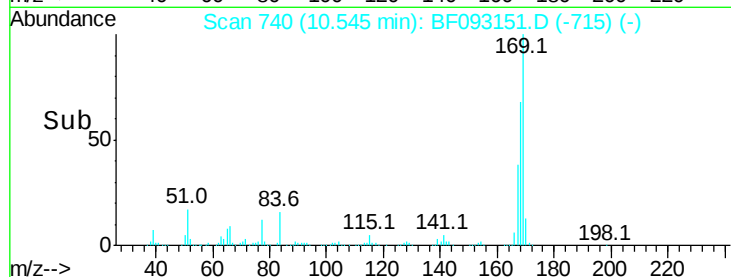
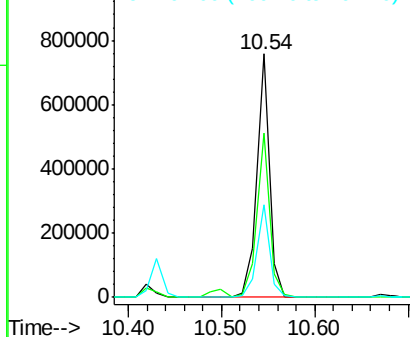
Tot Ion:	169	Resp:	711460
Ion Ratio	Lower	Upper	
169	100		
168	67.6	54.2	81.2
167	38.2	30.2	45.4

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



#66

4-Bromophenyl-phenylether

Concen: 41.96 ng

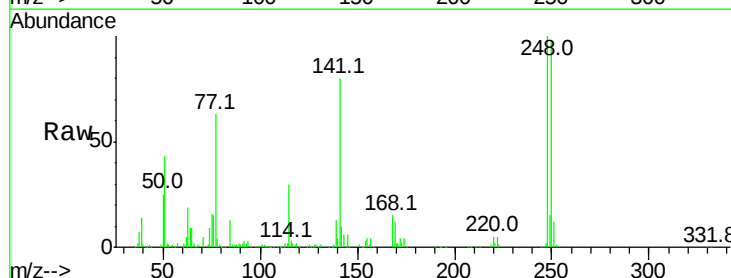
RT: 10.91 min Scan# 772

Delta R.T. -0.01 min

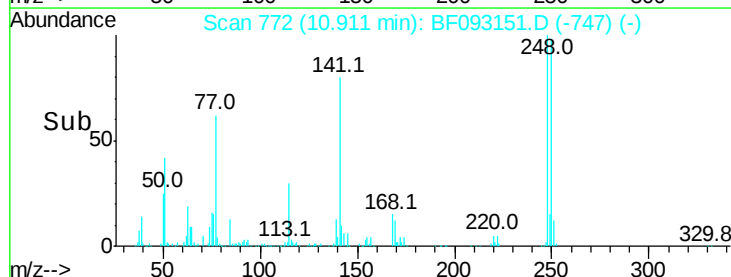
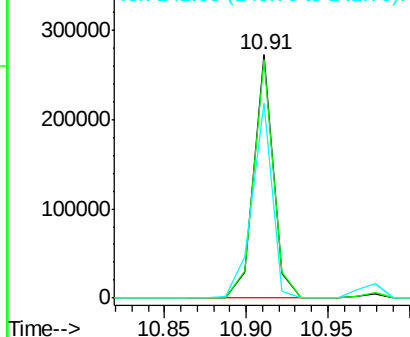
Lab File: BF093151.D

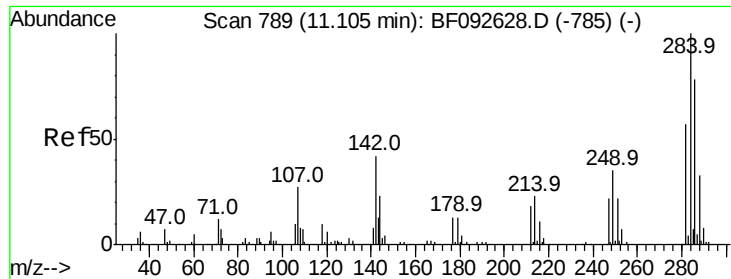
Acq: 24 Feb 2017 18:16

Tgt Ion:	248	Resp:	227713
Ion Ratio	Lower	Upper	
248	100		
250	97.7	76.9	115.3
141	80.1	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





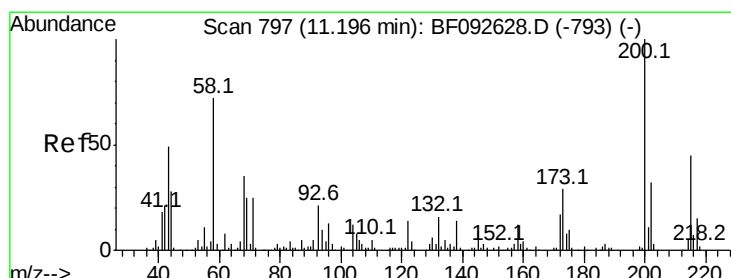
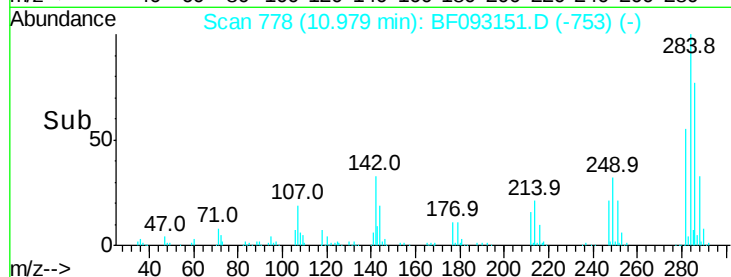
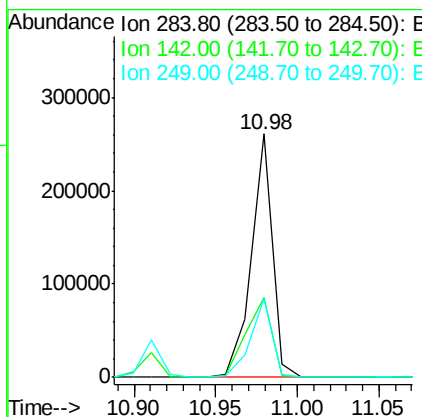
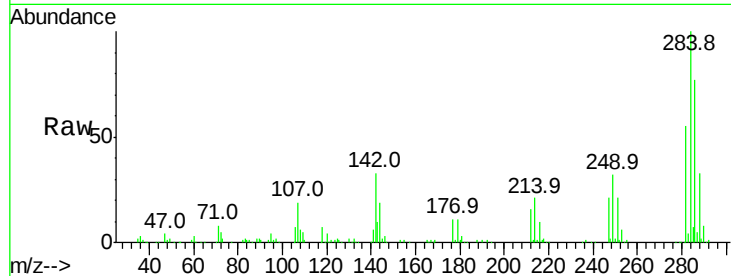
#67
Hexachlorobenzene
Concen: 43.51 ng
RT: 10.98 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Instrument :
BNA_F
ClientSampleId :
PB97152BS

Tot Ion	Ratio	Resp	Lower	Upper
284	100	233339		
142	32.9	22.6	33.8	
249	32.1	25.4	38.0	

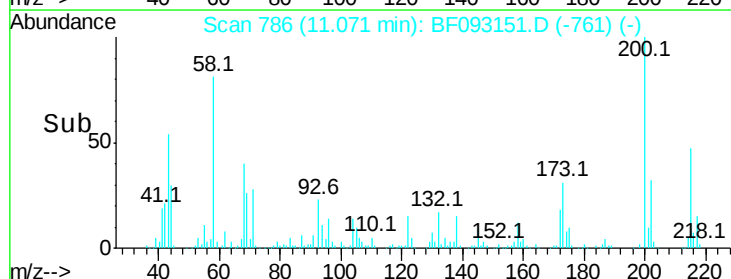
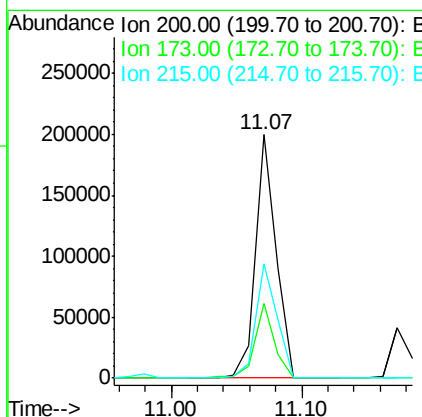
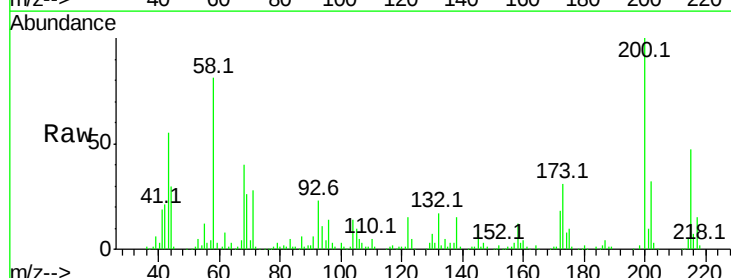
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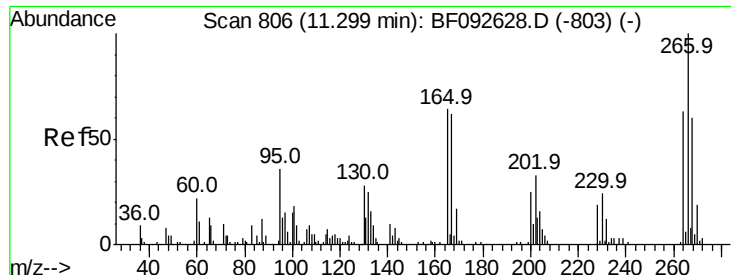
mohammad
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#68
Atrazine
Concen: 41.24 ng
RT: 11.07 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	219570		
173	30.7	9.6	49.6	
215	47.1	25.7	65.7	





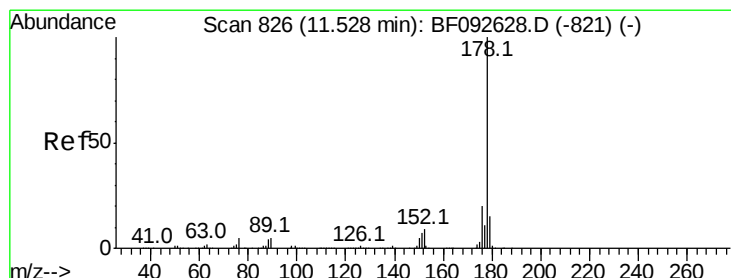
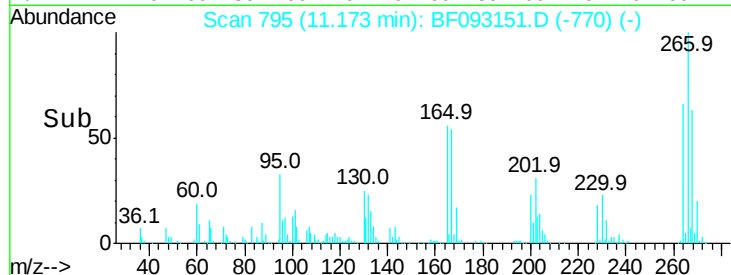
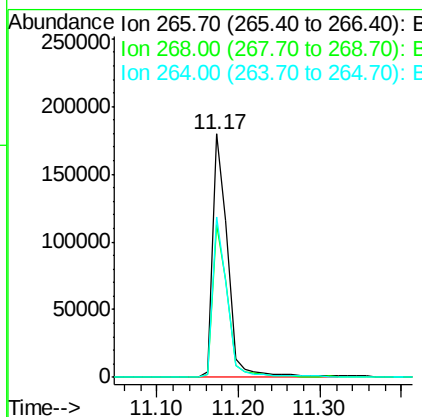
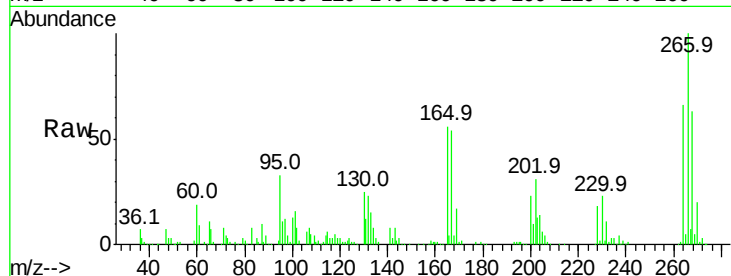
#69
Pentachlorophenol
 Concen: 83.56 ng
 RT: 11.17 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF093151.D
 Acq: 24 Feb 2017 18:16

Instrument :
 BNA_F
 ClientSampleId :
 PB97152BS

Tot Ion:	266	Resp:	232279
Ion Ratio	Lower	Upper	
266	100		
268	62.7	53.3	79.9
264	65.6	50.3	75.5

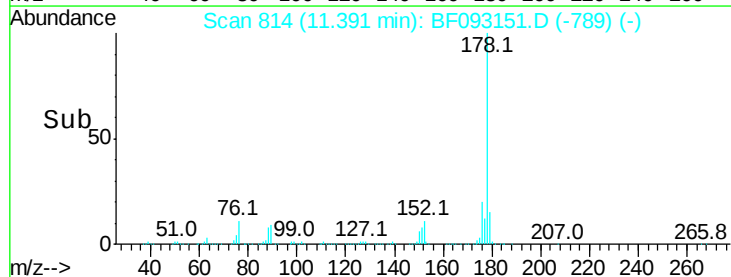
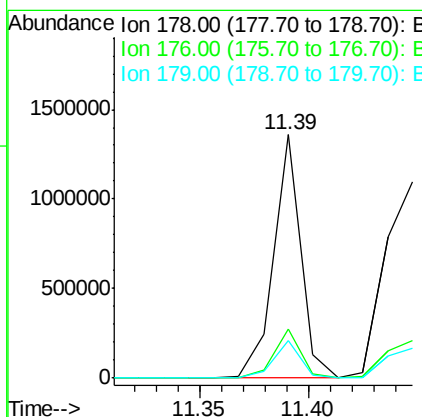
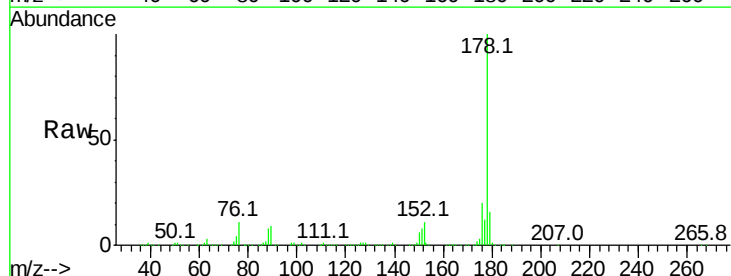
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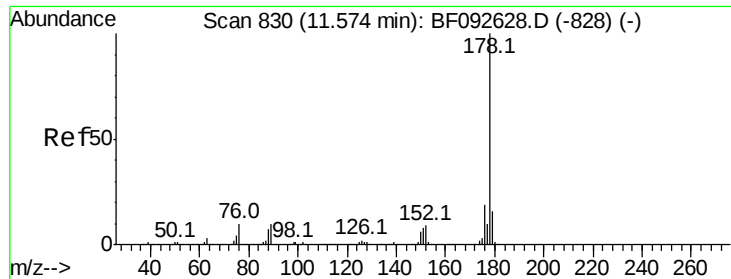
mohammad
 2/27/2017 1:07:32 PM



#70
Phenanthrene
 Concen: 40.23 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF093151.D
 Acq: 24 Feb 2017 18:16

Tgt Ion:	178	Resp:	1197151
Ion Ratio	Lower	Upper	
178	100		
176	20.0	16.6	25.0
179	15.5	12.8	19.2





#71

Anthracene

Concen: 44.62 ng

RT: 11.45 min Scan# 819

Delta R.T. -0.01 min

Lab File: BF093151.D

Acq: 24 Feb 2017 18:16

Instrument :

BNA_F

ClientSampleId :

PB97152BS

Tot Ion:178 Resp: 1333383

Ion Ratio Lower Upper

178 100

176 19.4 15.9 23.9

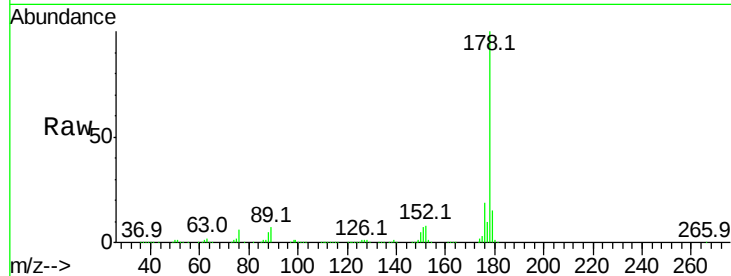
179 15.4 13.2 19.8

Manual Integrations

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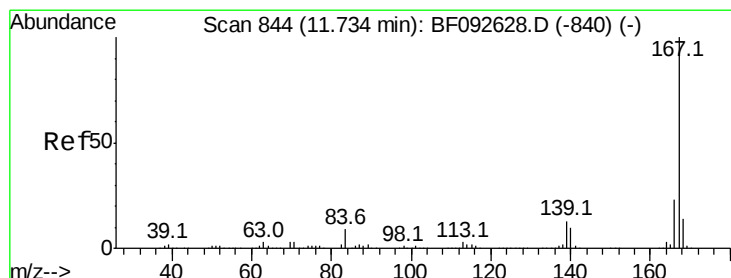
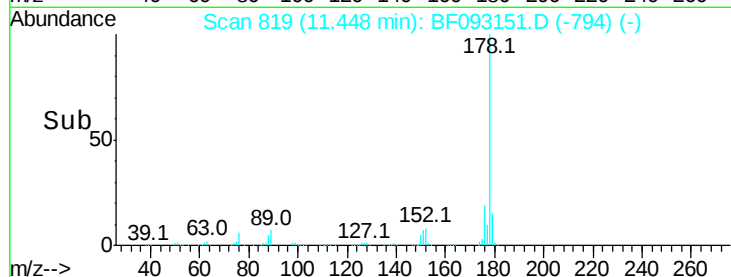
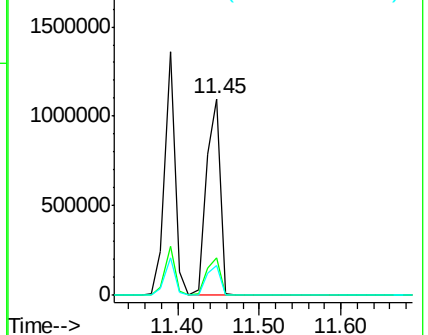
2/27/2017 1:07:32 PM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 39.43 ng

RT: 11.60 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF093151.D

Acq: 24 Feb 2017 18:16

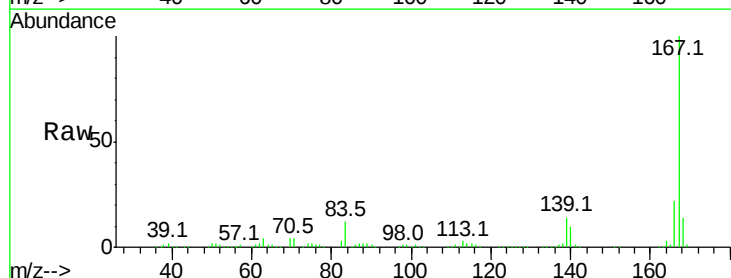
Tgt Ion:167 Resp: 1126358

Ion Ratio Lower Upper

167 100

166 22.2 18.2 27.2

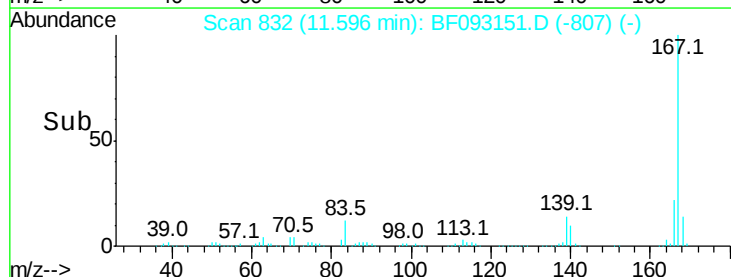
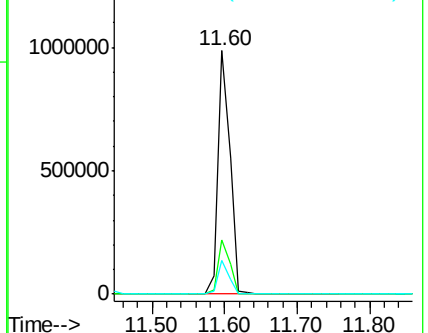
139 13.6 11.4 17.2

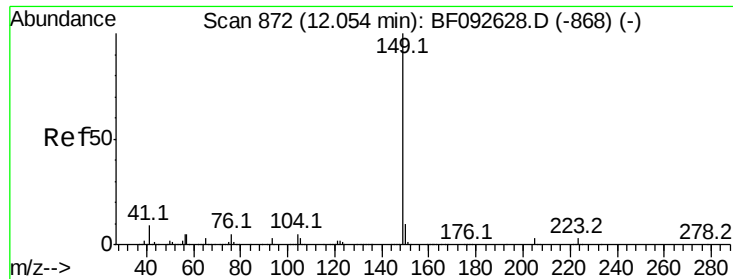


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 45.62 ng

RT: 11.93 min Scan# 861

Delta R.T. -0.01 min

Lab File: BF093151.D

Acq: 24 Feb 2017 18:16

Instrument :

BNA_F

ClientSampleId :

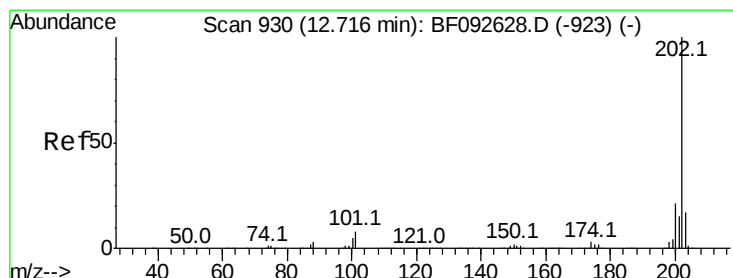
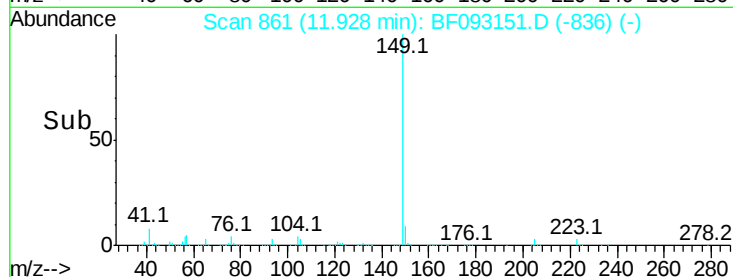
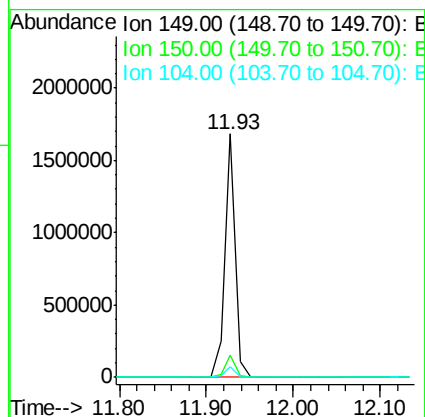
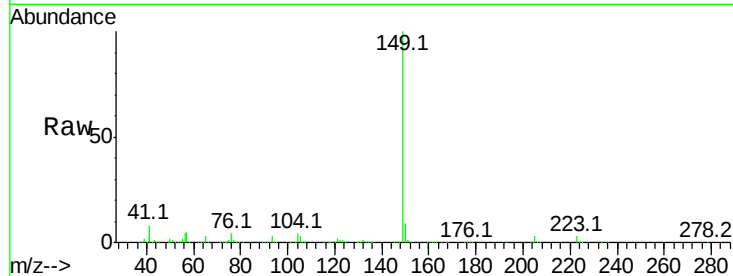
PB97152BS

Tot Ion:149 Resp: 1409215

Ion	Ratio	Lower	Upper
149	100		
150	9.1	8.1	12.1
104	4.5	4.6	7.0

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#74

Fluoranthene

Concen: 43.58 ng

RT: 12.58 min Scan# 918

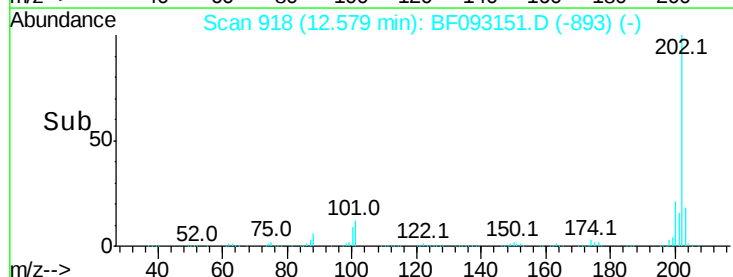
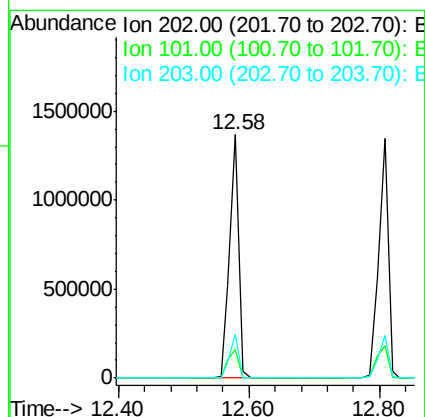
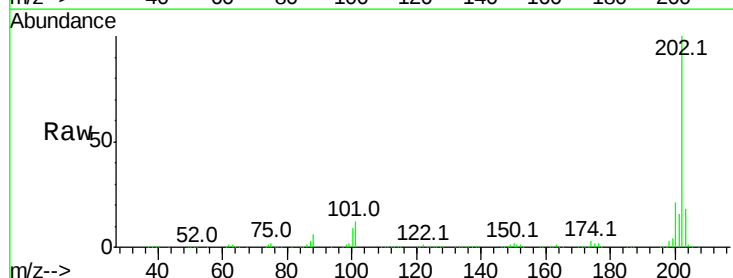
Delta R.T. -0.01 min

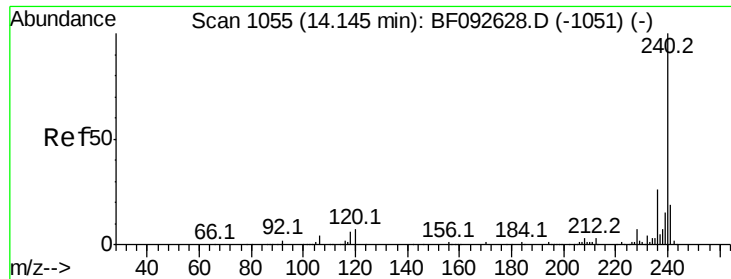
Lab File: BF093151.D

Acq: 24 Feb 2017 18:16

Tgt Ion:202 Resp: 1337484

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	34.6
203	17.8	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF093151.D

Acq: 24 Feb 2017 18:16

Instrument :

BNA_F

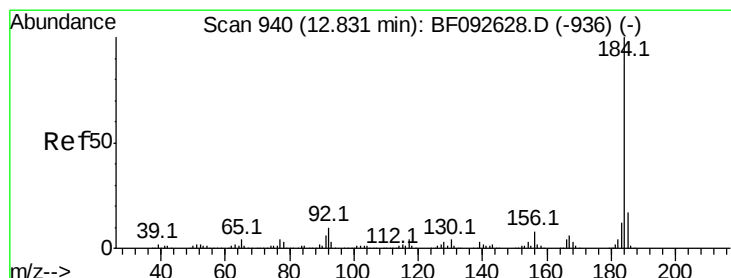
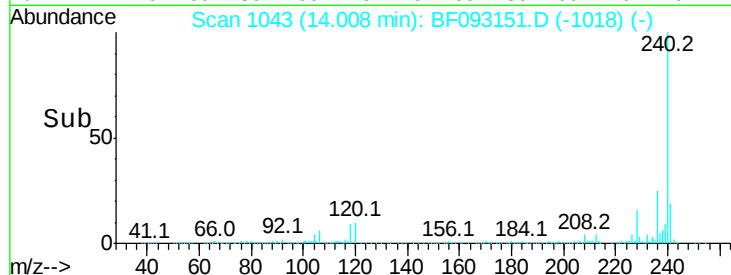
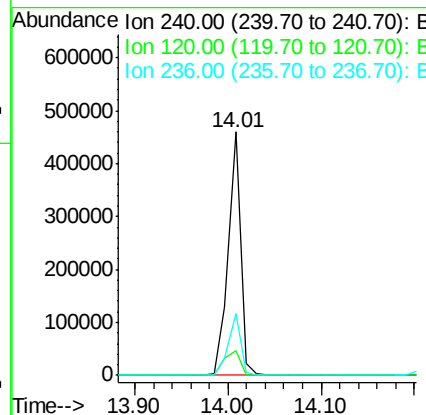
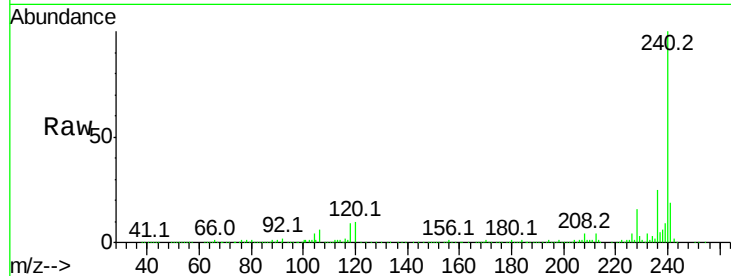
ClientSampleId :

PB97152BS

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.0	12.9	19.3#
236	25.5	20.9	31.3

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#76

Benzidine

Concen: 28.07 ng

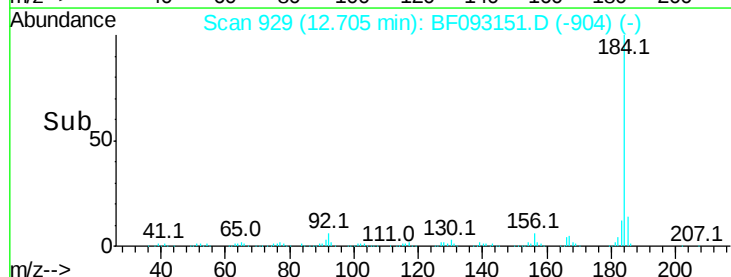
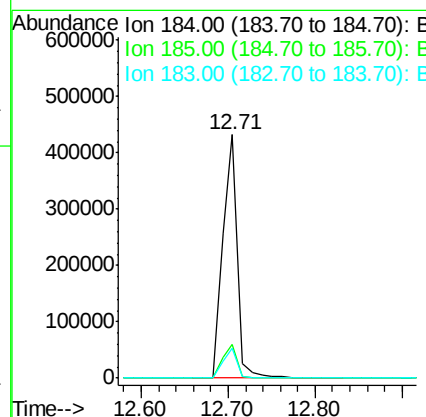
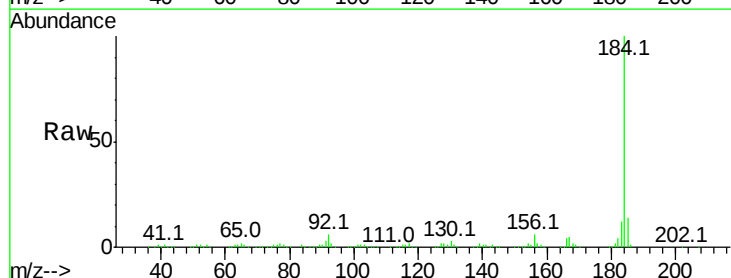
RT: 12.71 min Scan# 929

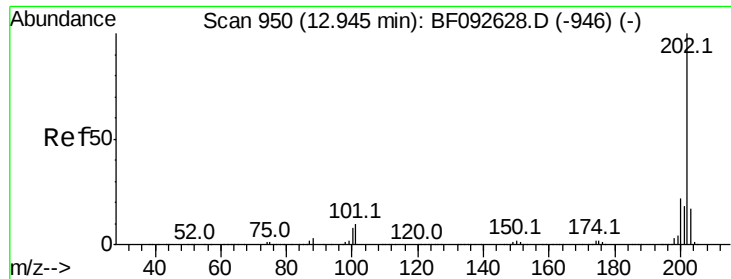
Delta R.T. -0.01 min

Lab File: BF093151.D

Acq: 24 Feb 2017 18:16

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.0	13.4	20.0
183	12.1	9.2	13.8





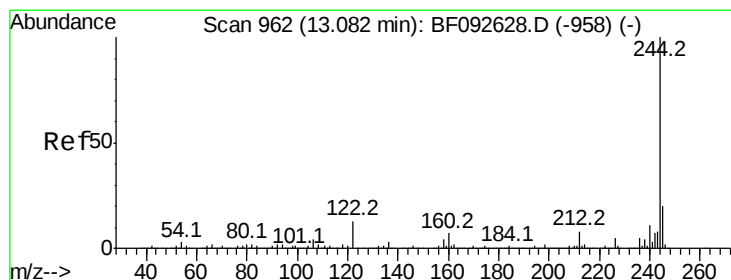
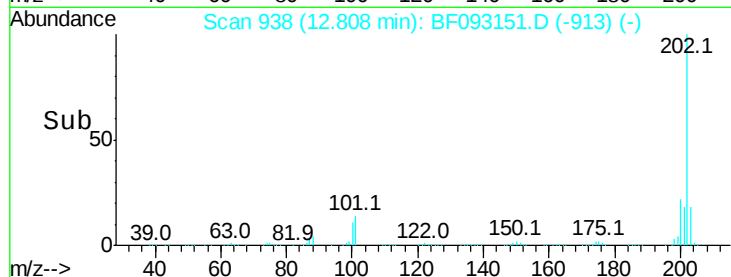
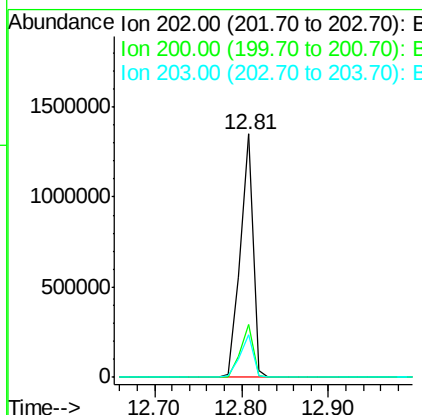
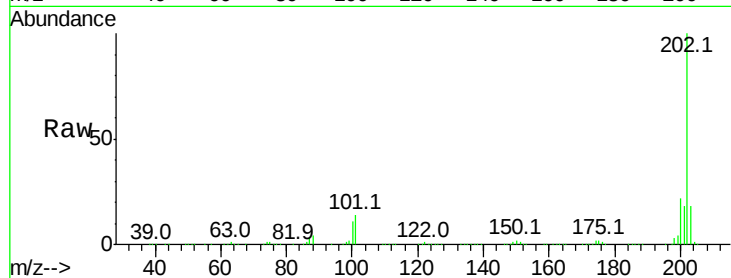
#77
Pvrene
Concen: 42.40 ng
RT: 12.81 min Scan# 938
Delta R.T. -0.01 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Instrument :
BNA_F
ClientSampleId :
PB97152BS

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.7	26.5
203	17.7	14.7	22.1

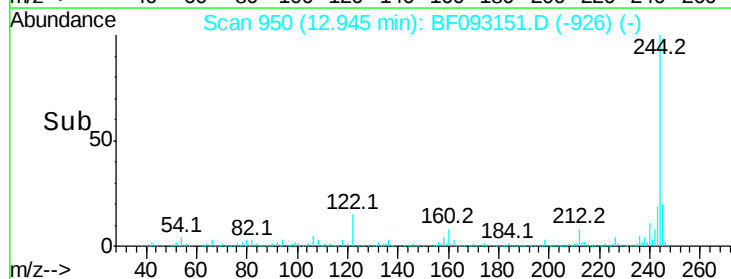
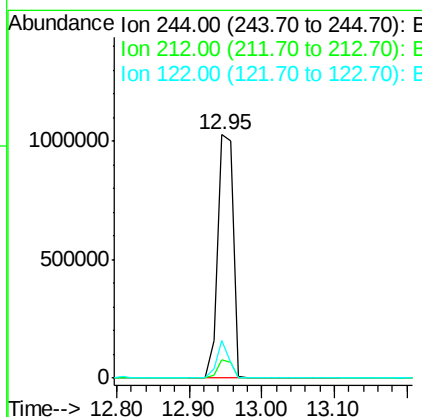
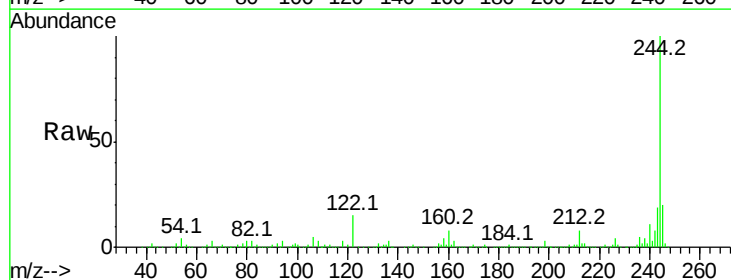
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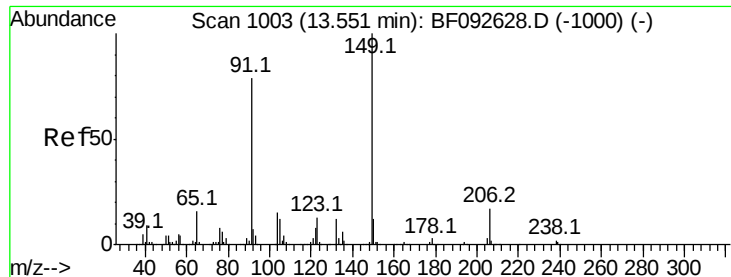
mohammad
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#78
Terphenyl-d14
Concen: 83.81 ng
RT: 12.95 min Scan# 950
Delta R.T. -0.02 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.2	9.2
122	15.3	11.4	17.2





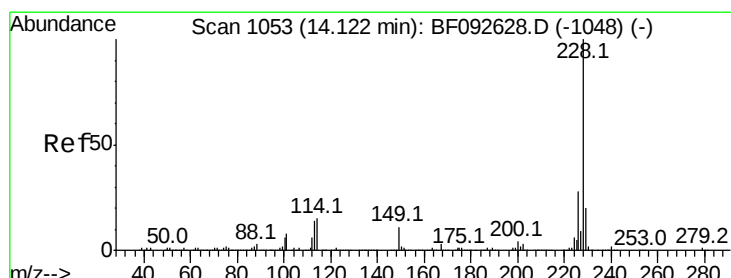
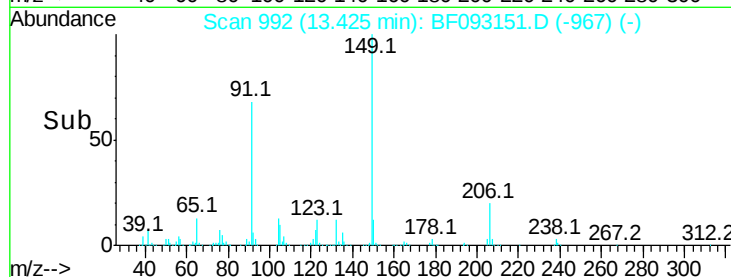
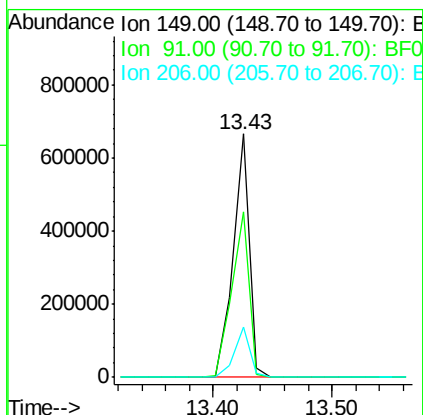
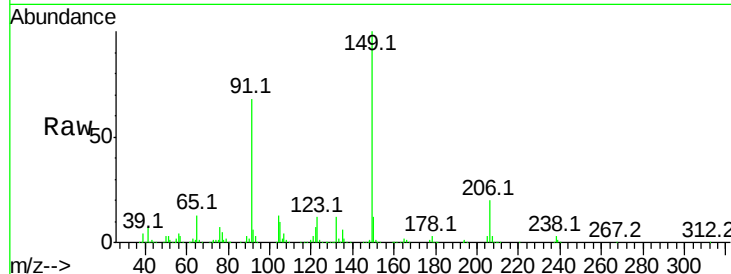
#79
Butylbenzylphthalate
Concen: 48.50 ng
RT: 13.43 min Scan# 992
Delta R.T. -0.01 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Instrument :
BNA_F
ClientSampleId :
PB97152BS

Tot Ion	Ratio	Lower	Upper
149	100		
91	67.9	63.9	95.9
206	20.5	14.6	21.8

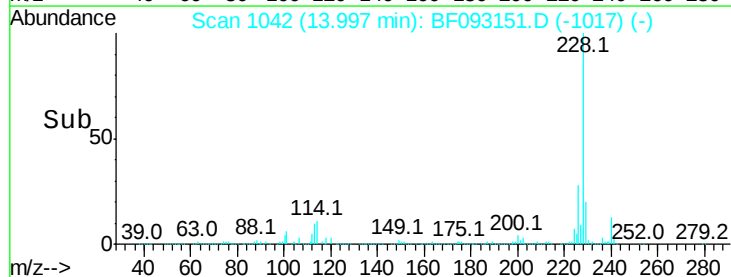
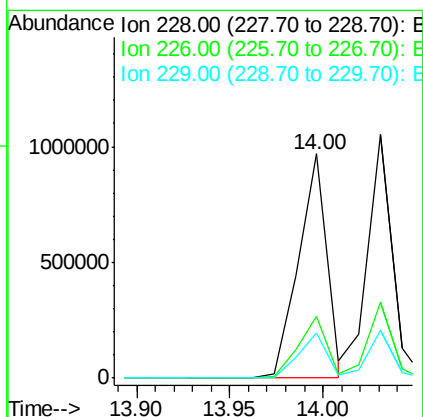
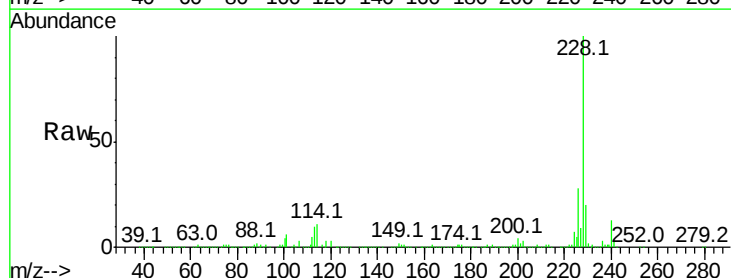
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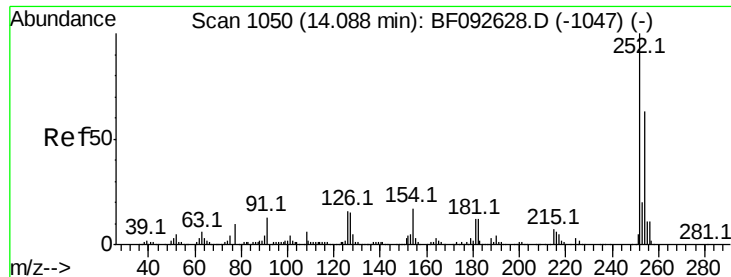
mohammad
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#80
Benzo(a)anthracene
Concen: 39.59 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.4	33.6
229	20.1	16.2	24.4





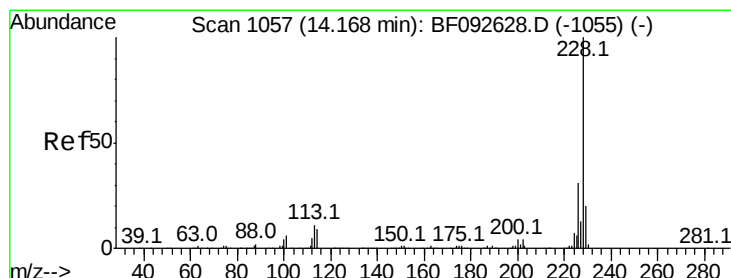
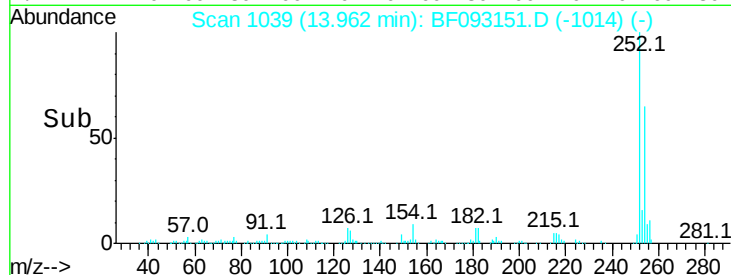
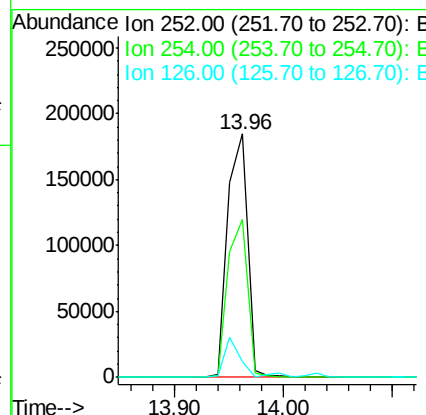
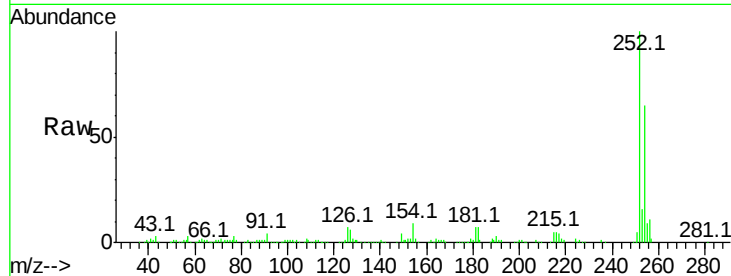
#81
 3,3'-Dichlorobenzidine
 Concen: 25.34 ng
 RT: 13.96 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: BF093151.D
 Acq: 24 Feb 2017 18:16

Instrument :
 BNA_F
 ClientSampleId :
 PB97152BS

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	64.7	52.3	78.5
126	6.6	13.6	20.4

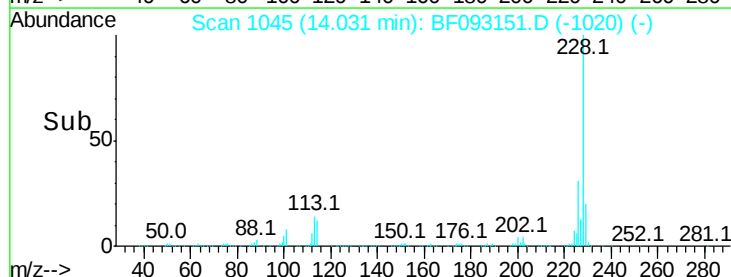
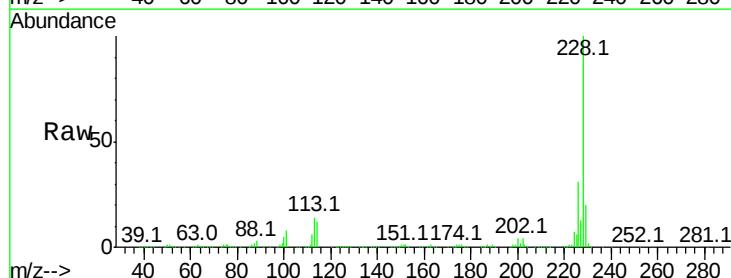
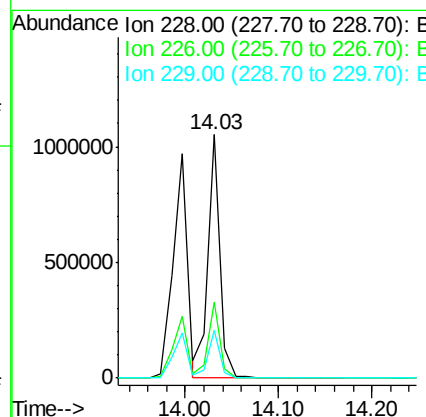
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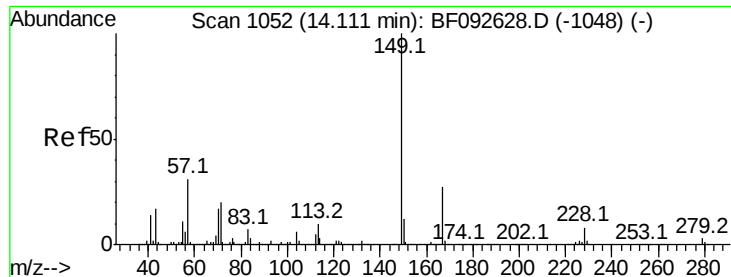
mohammad
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#82
 Chrysene
 Concen: 39.19 ng
 RT: 14.03 min Scan# 1045
 Delta R.T. -0.01 min
 Lab File: BF093151.D
 Acq: 24 Feb 2017 18:16

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	31.4	25.4	38.0
229	19.9	16.2	24.2





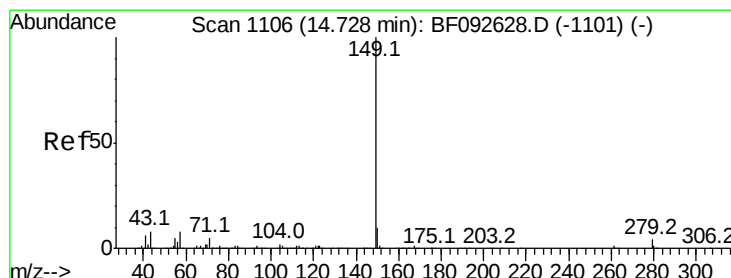
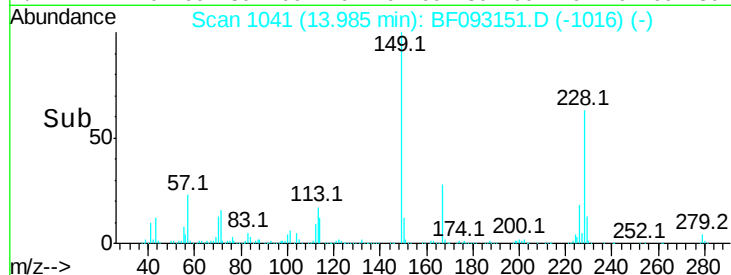
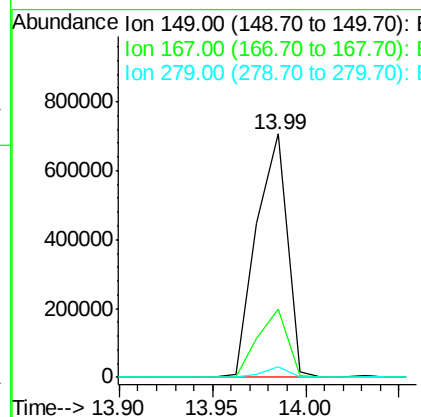
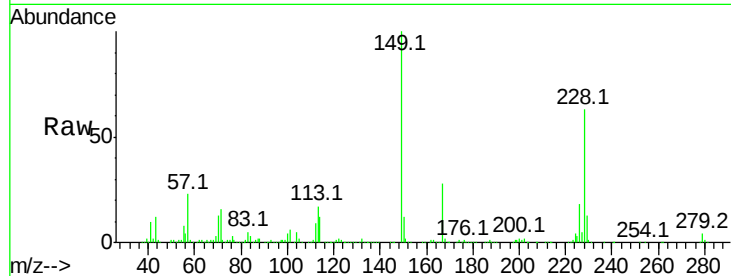
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 45.83 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: BF093151.D
 Acq: 24 Feb 2017 18:16

Instrument :
 BNA_F
 ClientSampleId :
 PB97152BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	810811		
167	28.0	20.2	30.4	
279	4.2	1.8	2.8	

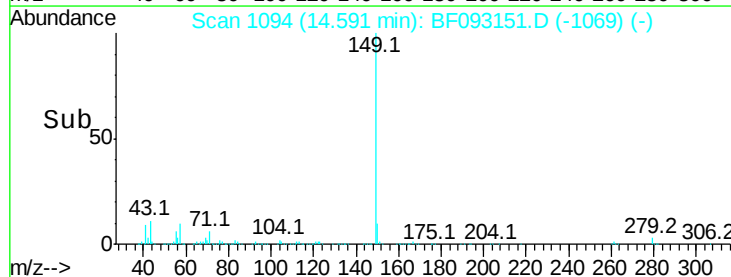
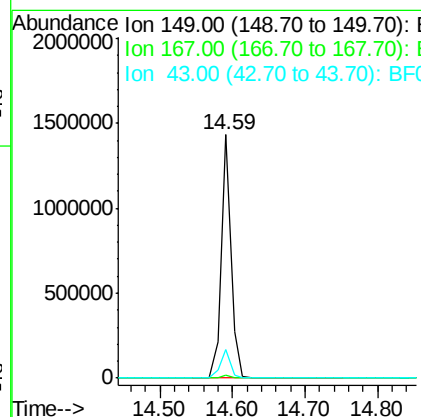
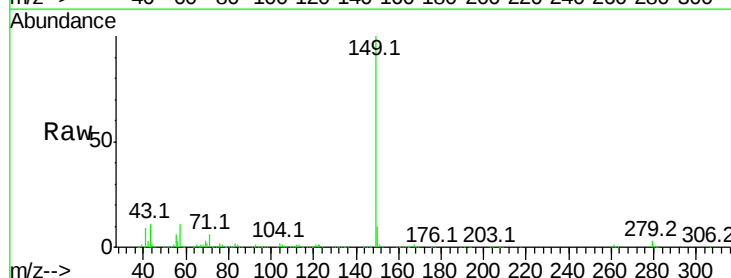
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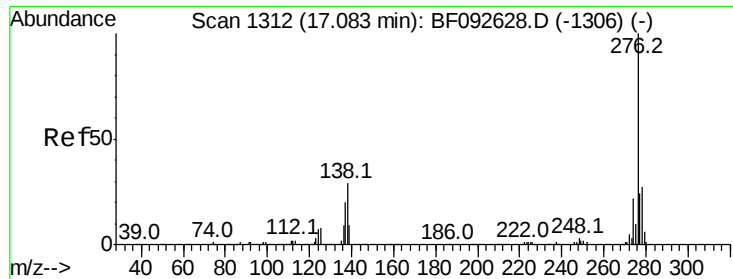
mohammad
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#84
 Di-n-octyl phthalate
 Concen: 46.31 ng
 RT: 14.59 min Scan# 1094
 Delta R.T. -0.01 min
 Lab File: BF093151.D
 Acq: 24 Feb 2017 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1334030		
167	1.5	1.3	1.9	
43	11.8	8.9	13.3	





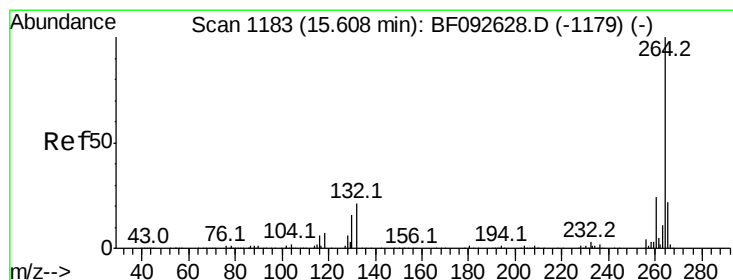
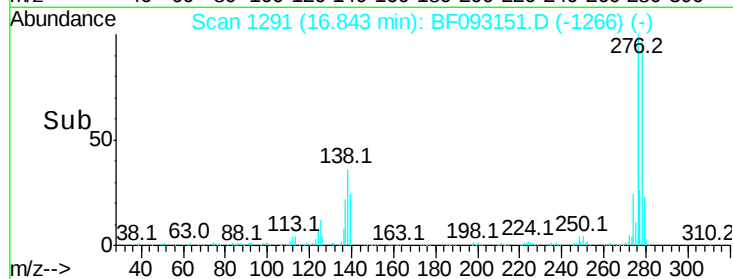
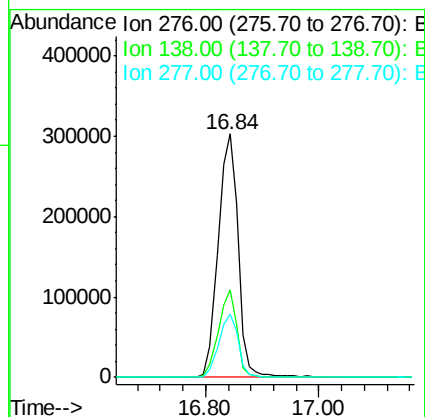
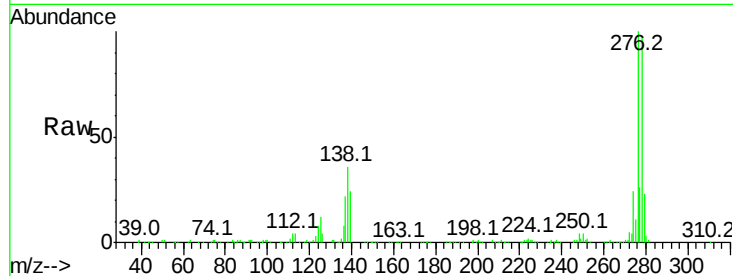
#85
Indeno(1,2,3-cd)pyrene
Concen: 39.00 ng
RT: 16.84 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Instrument :
BNA_F
ClientSampleId :
PB97152BS

Tot Ion	Ratio	Lower	Upper
276	100		
138	33.6	21.8	32.6
277	25.5	20.2	30.4

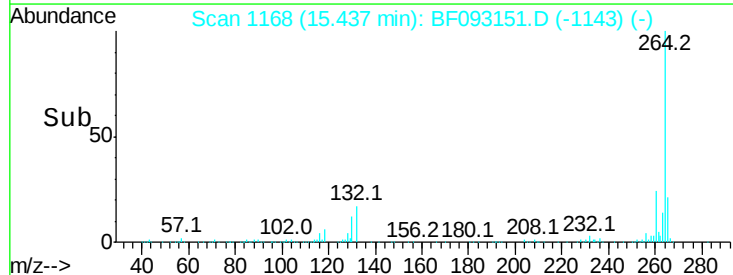
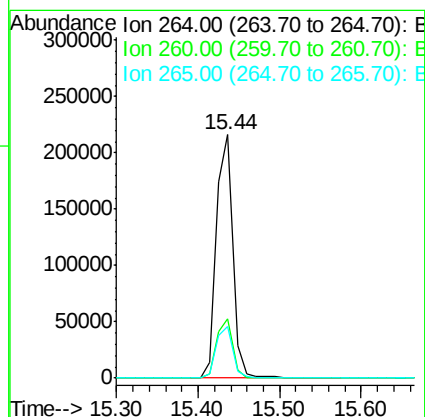
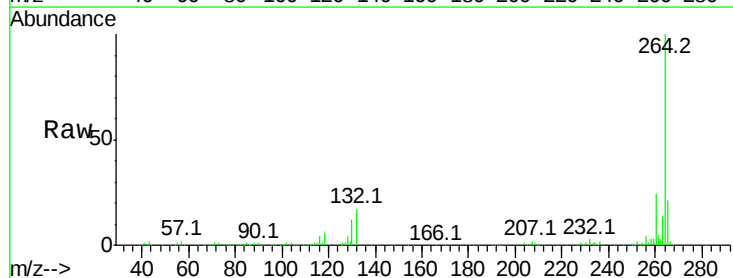
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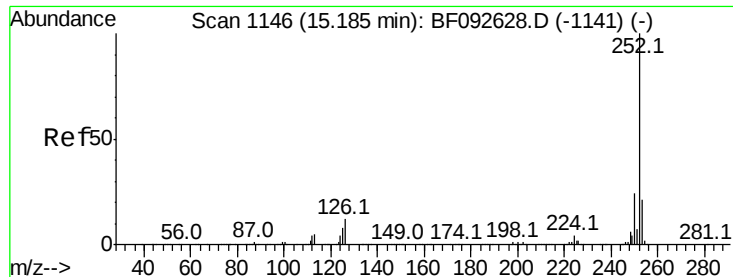
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.2	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 44.32 ng

RT: 15.03 min Scan# 1132

Delta R.T. -0.01 min

Lab File: BF093151.D

Acq: 24 Feb 2017 18:16

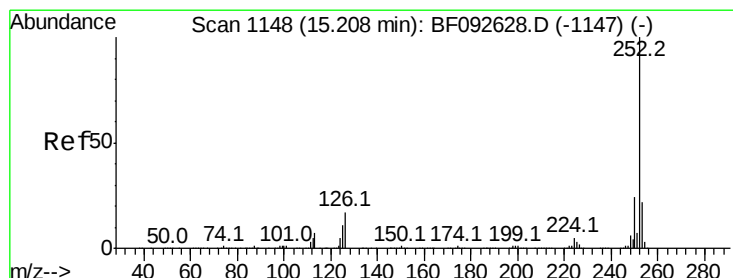
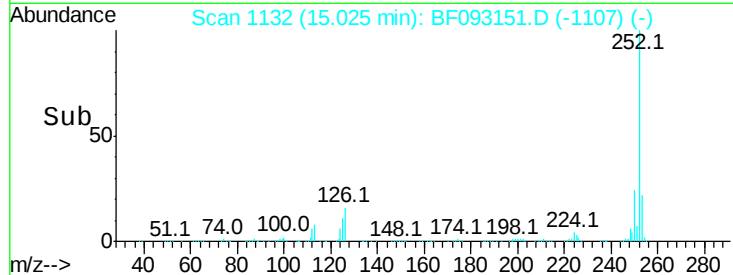
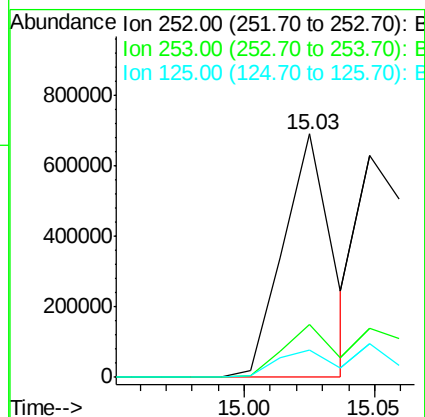
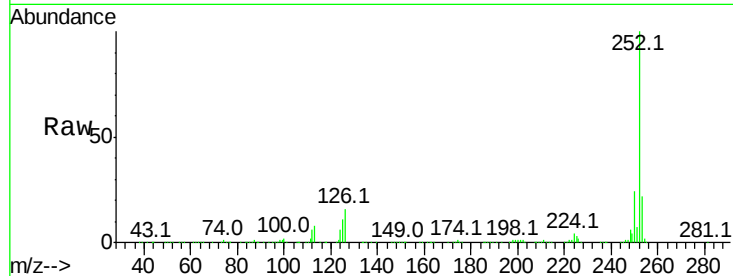
Instrument :
BNA_F

ClientSampleId :
PB97152BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.2	27.4
125	11.5	9.8	14.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 46.93 ng m

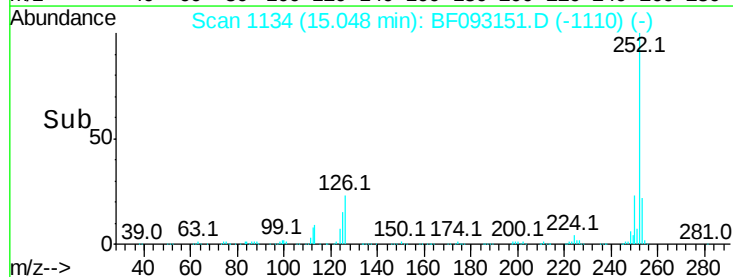
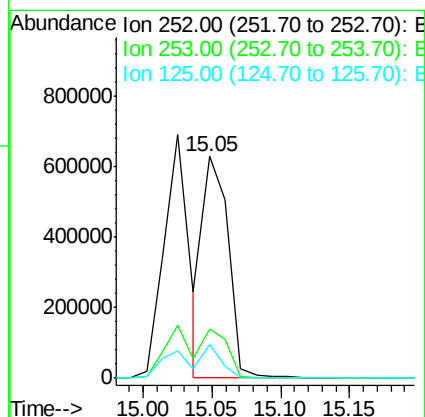
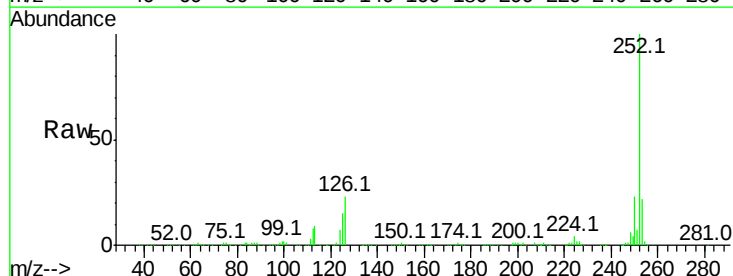
RT: 15.05 min Scan# 1134

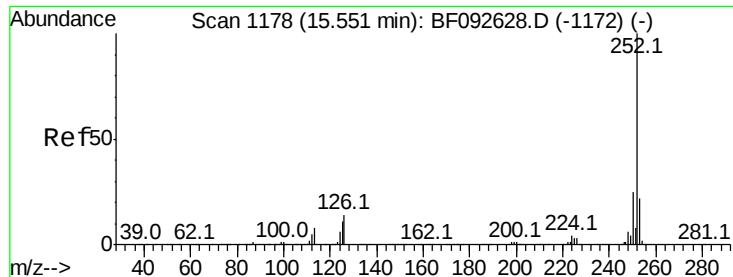
Delta R.T. -0.02 min

Lab File: BF093151.D

Acq: 24 Feb 2017 18:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.5	27.7
125	14.9	8.9	13.3#





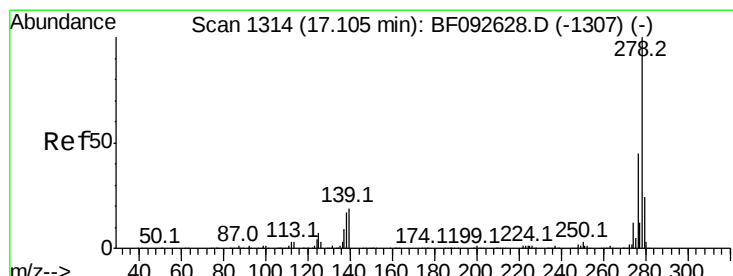
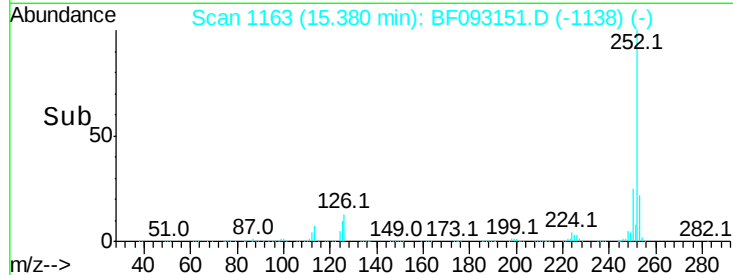
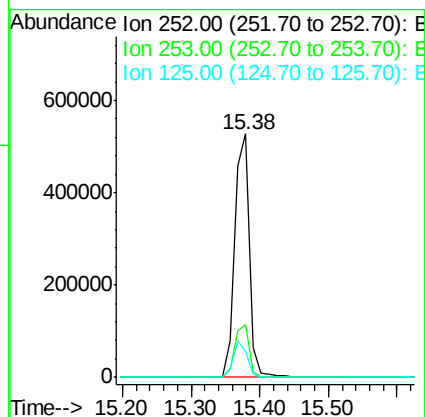
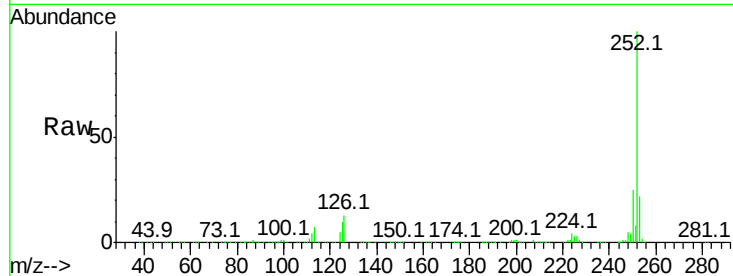
#89
Benzo(a)pyrene
Concen: 45.63 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Instrument :
BNA_F
ClientSampleId :
PB97152BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.2	27.2
125	10.5	10.0	15.0

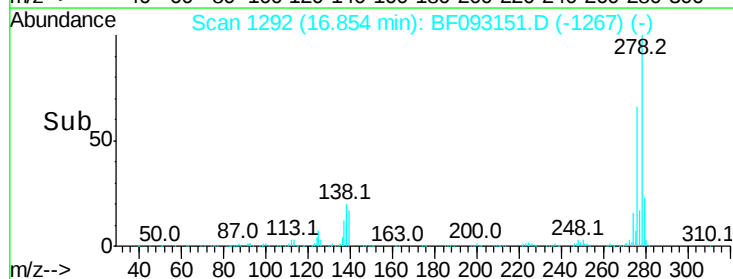
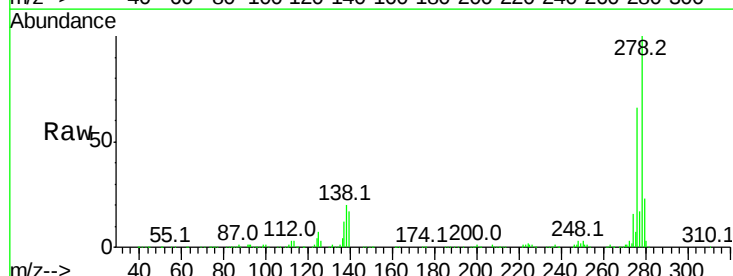
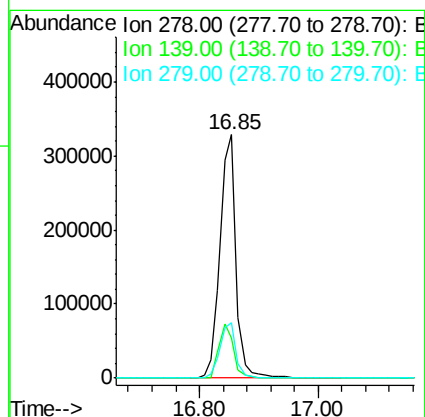
Manual Integrations
APPROVED

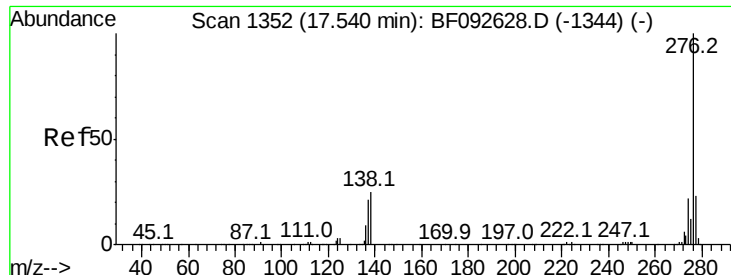
mohammad
2/27/2017 1:07:32 PM



#90
Dibenzo(a,h)anthracene
Concen: 43.99 ng
RT: 16.85 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF093151.D
Acq: 24 Feb 2017 18:16

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.6	14.8	22.2
279	23.0	19.8	29.6





#91
 Benzo(a,h,i)perylene
 Concen: 45.47 ng
 RT: 17.27 min Scan# 1328
 Delta R.T. -0.02 min
 Lab File: BF093151.D
 Acq: 24 Feb 2017 18:16

Instrument :
 BNA_F
 ClientSampleId :
 PB97152BS

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.2	28.8
138	26.9	16.0	24.0

Manual Integrations
 APPROVED

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