

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
 Data File : BF093296.D
 Acq On : 1 Mar 2017 18:22
 Operator : SJ/MA
 Sample : I2002-01MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSP-8(3.5-5.5)MSD

Manual Integrations
 APPROVED

mohammad
 3/2/2017 1:42:35 PM

Quant Time: Mar 02 00:35:50 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	6.81	152	133577	20.00	ng	-0.05
21) Naphthalene-d8	8.10	136	474853	20.00	ng	-0.05
38) Acenaphthene-d10	9.85	164	240810	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	441907	20.00	ng	-0.05
75) Chrysene-d12	13.97	240	337650	20.00	ng	-0.05
86) Perylene-d12	15.39	264	267308	20.00	ng	-0.06

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	1258103	161.59	ng	-0.03
7) Phenol-d6	6.46	99	1445052	144.25	ng	-0.02
23) Nitrobenzene-d5	7.39	82	979991	114.93	ng	-0.03
41) 2,4,6-Tribromophenol	10.65	330	293524	168.53	ng	-0.03
44) 2-Fluorobiphenyl	9.17	172	1354181	101.88	ng	-0.05
78) Terphenyl-d14	12.92	244	1328300	92.43	ng	-0.05

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.37	88	189805	45.12	ng	# 83
3) Pyridine	3.08	79	554321	51.82	ng	86
4) n-Nitrosodimethylamine	3.05	42	288209	57.38	ng	85
6) Aniline	6.48	93	313917	22.97	ng	# 30
8) 2-Chlorophenol	6.60	128	439531	51.17	ng	96
9) Benzaldehyde	6.35	77	164262	22.89	ng	85
10) Phenol	6.48	94	628725	53.64	ng	87
11) bis(2-Chloroethyl)ether	6.54	93	462691	49.46	ng	87
12) 1,3-Dichlorobenzene	6.75	146	482087	47.92	ng	96
13) 1,4-Dichlorobenzene	6.83	146	431333	42.36	ng	96
14) 1,2-Dichlorobenzene	6.98	146	428494	44.01	ng	96
15) Benzyl Alcohol	6.97	79	342008	46.11	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.09	45	716614	44.09	ng	68
17) 2-Methylphenol	7.08	107	333847	45.30	ng	94
18) Hexachloroethane	7.32	117	165619m	47.65	ng	
19) n-Nitroso-di-n-propylamine	7.23	70	360219	56.49	ng	# 97
20) 3+4-Methylphenols	7.24	107	474272	53.83	ng	# 79
22) Acetophenone	7.23	105	616525	56.87	ng	# 97
24) Nitrobenzene	7.40	77	424365	48.47	ng	99
25) Isophorone	7.64	82	968660	60.96	ng	# 92
26) 2-Nitrophenol	7.72	139	233893	56.20	ng	# 94
27) 2,4-Dimethylphenol	7.77	122	404179	55.29	ng	96
28) bis(2-Chloroethoxy)methane	7.85	93	532636	50.61	ng	# 88
29) 2,4-Dichlorophenol	7.97	162	370890	54.40	ng	94
30) 1,2,4-Trichlorobenzene	8.04	180	345454	47.02	ng	96
31) Naphthalene	8.12	128	1204460	50.04	ng	99
32) Benzoic acid	7.87	122	26701	12.65	ng	# 1
33) 4-Chloroaniline	8.18	127	207309	21.96	ng	96
34) Hexachlorobutadiene	8.24	225	190499	47.13	ng	99
35) Caprolactam	8.52	113	251480	117.27	ng	# 1
36) 4-Chloro-3-methylphenol	8.68	107	373013	52.48	ng	89
37) 2-Methylnaphthalene	8.82	142	909305	58.83	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.98	216	302243	44.71	ng	98
40) Hexachlorocyclopentadiene	8.97	237	142571	46.75	ng	98

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 SSP-8(3.5-5.5)MSD

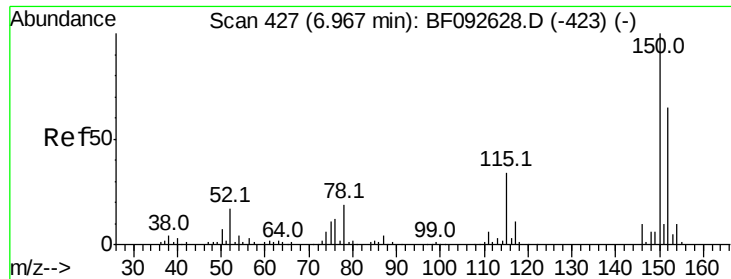
Manual Integrations
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 3/2/2017 1:42:35 PM

Quant Time: Mar 02 00:35:50 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)
42) 2,4,6-Trichlorophenol	9.10	196	231239	52.06	nq	91
43) 2,4,5-Trichlorophenol	9.15	196	227293	46.70	nq	93
45) 1,1'-Biphenyl	9.28	154	899003	51.56	nq	98
46) 2-Chloronaphthalene	9.30	162	649857	47.64	nq	94
47) 2-Nitroaniline	9.40	65	240831	52.51	nq	95
48) Acenaphthylene	9.71	152	1092351	46.36	nq	99
49) Dimethylphthalate	9.58	163	904897	55.79	nq	99
50) 2,6-Dinitrotoluene	9.65	165	195112	55.70	nq	# 76
51) Acenaphthene	9.88	154	631669	44.84	nq	96
52) 3-Nitroaniline	9.81	138	119514	29.81	nq	95
53) 2,4-Dinitrophenol	9.94	184	28720	19.90	nq	# 48
54) Dibenzofuran	10.05	168	930605	49.38	nq	98
55) 4-Nitrophenol	10.01	139	228777	79.24	nq	# 80
56) 2,4-Dinitrotoluene	10.05	165	218000	46.75	nq	# 83
57) Fluorene	10.40	166	747451	51.56	nq	97
58) 2,3,4,6-Tetrachlorophenol	10.18	232	182954	56.35	nq	# 95
59) Diethylphthalate	10.27	149	808621	52.90	nq	100
60) 4-Chlorophenyl-phenylether	10.38	204	332838	47.79	nq	97
61) 4-Nitroaniline	10.43	138	193128	47.04	nq	93
62) Azobenzene	10.54	77	995471	63.04	nq	96
64) 4,6-Dinitro-2-methylphenol	10.46	198	81620	31.33	nq	# 28
65) n-Nitrosodiphenylamine	10.51	169	707593	50.12	nq	100
66) 4-Bromophenyl-phenylether	10.88	248	219136	47.46	nq	97
67) Hexachlorobenzene	10.94	284	200802	44.01	nq	# 74
68) Atrazine	11.04	200	224672	49.59	nq	99
69) Pentachlorophenol	11.15	266	169613	72.73	nq	98
70) Phenanthrene	11.36	178	1068494	42.20	nq	98
71) Anthracene	11.41	178	1250146	49.17	nq	98
72) Carbazole	11.57	167	1128399	46.43	nq	98
73) Di-n-butylphthalate	11.89	149	1341902	51.05	nq	# 97
74) Fluoranthene	12.54	202	1089851	41.73	nq	99
76) Benzidine	12.67	184	355485	24.71	nq	96
77) Pyrene	12.77	202	1090290	43.15	nq	99
79) Butylbenzylphthalate	13.39	149	550530	53.65	nq	84
80) Benzo(a)anthracene	13.96	228	886162	42.91	nq	99
81) 3,3'-Dichlorobenzidine	13.93	252	237981	32.33	nq	# 97
82) Chrysene	14.00	228	803704	41.57	nq	99
83) Bis(2-ethylhexyl)phthalate	13.95	149	723181	51.53	nq	# 94
84) Di-n-octyl phthalate	14.56	149	1102751	48.26	nq	98
85) Indeno(1,2,3-cd)pyrene	16.80	276	803374	53.64	nq	# 94
87) Benzo(b)fluoranthene	14.99	252	747907m	42.51	nq	
88) Benzo(k)fluoranthene	15.03	252	765472m	50.39	nq	
89) Benzo(a)pyrene	15.35	252	733580	48.20	nq	97
90) Dibenzo(a,h)anthracene	16.80	278	661128	53.75	nq	# 94
91) Benzo(g,h,i)perylene	17.22	276	714739	57.52	nq	# 94

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



#1

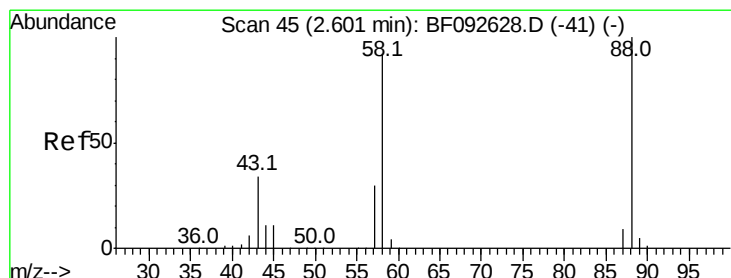
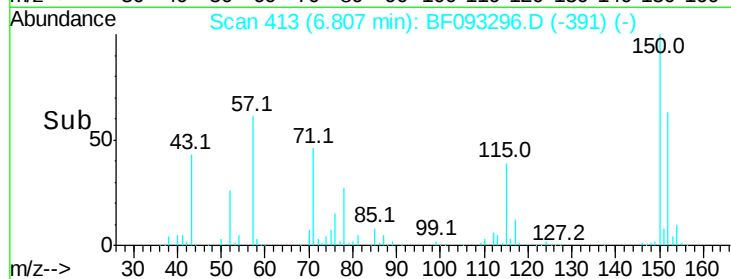
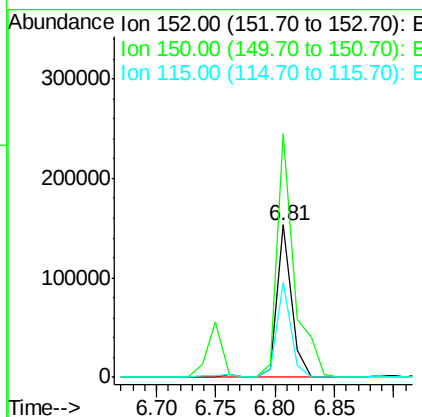
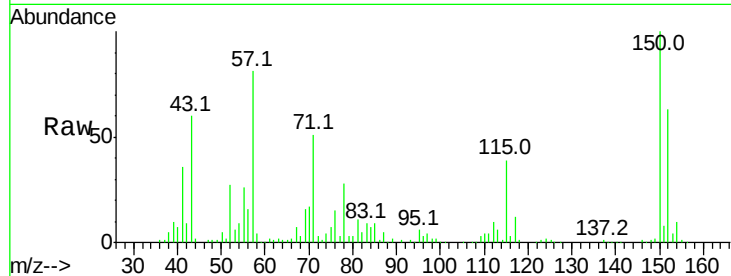
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.05 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Instrument :
BNA_F
ClientSampleId :
SSP-8(3.5-5.5)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	124.9	187.3
115	62.2	46.0	69.0

Manual Integrations
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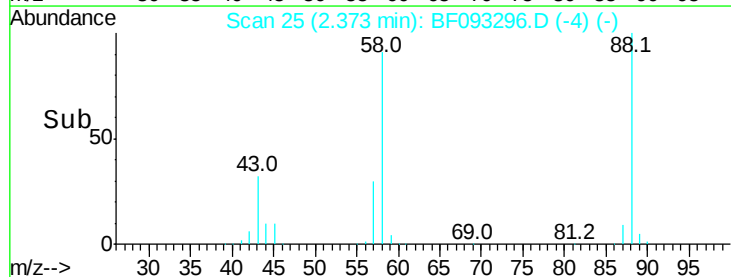
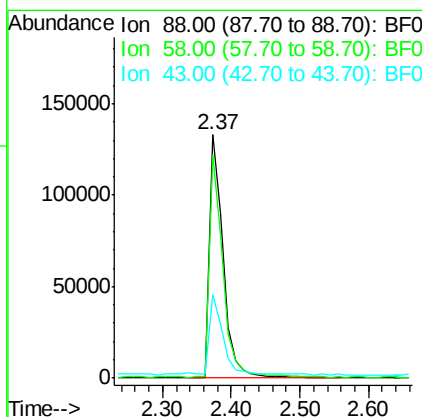
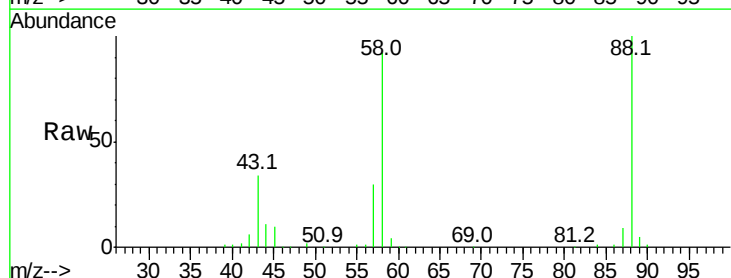
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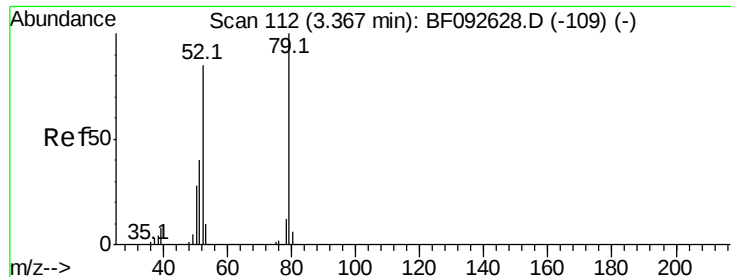


#2

1,4-Dioxane
Concen: 45.12 ng
RT: 2.37 min Scan# 25
Delta R.T. -0.06 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Tgt Ion	Ratio	Lower	Upper
88	100		
58	88.1	57.8	86.8#
43	34.6	22.3	33.5#





#3

Pvridine

Concen: 51.82 ng

RT: 3.08 min Scan# 87

Delta R.T. -0.07 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

Instrument :

BNA_F

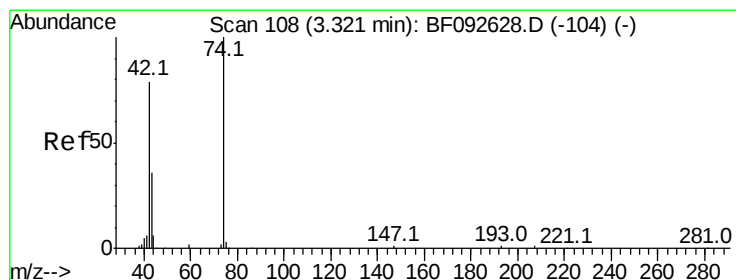
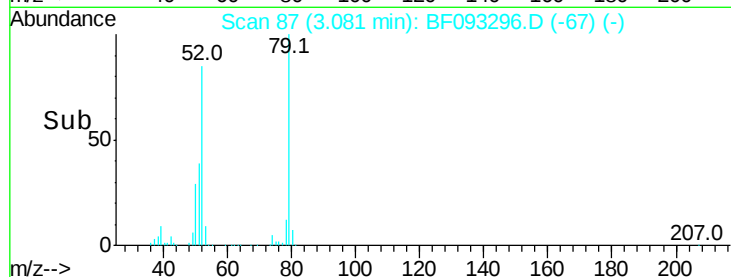
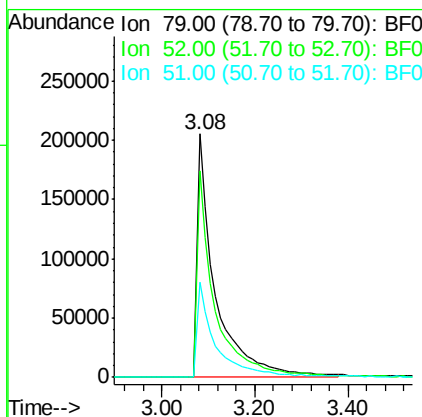
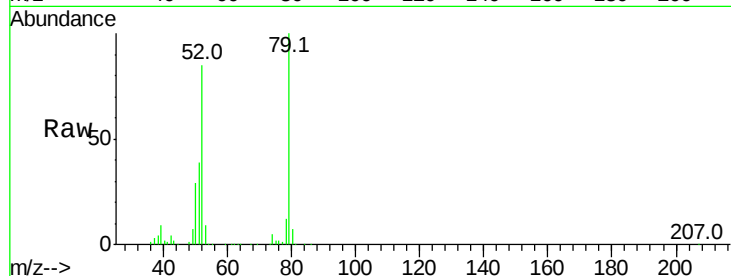
ClientSampleId :

SSP-8(3.5-5.5)MSD

Tot Ion:	79	Resp:	554321
Ion Ratio	Lower	Upper	
79	100		
52	84.7	57.1	85.7
51	39.0	27.3	40.9

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 57.38 ng

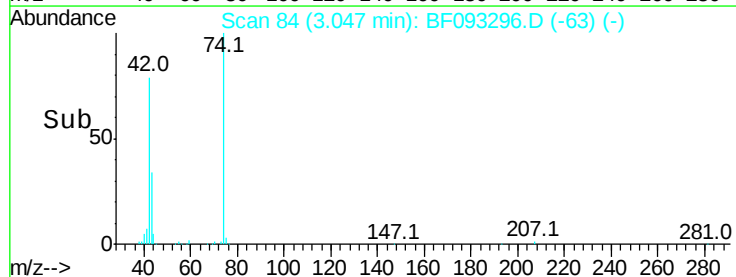
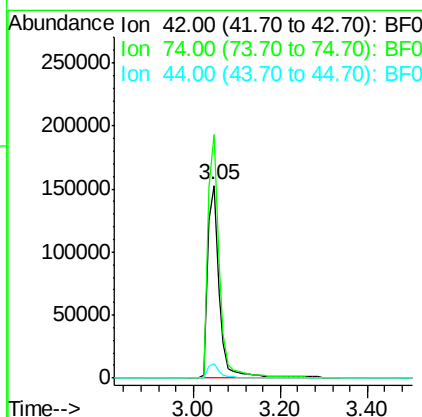
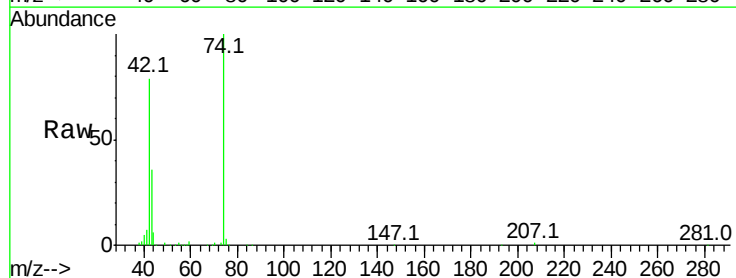
RT: 3.05 min Scan# 84

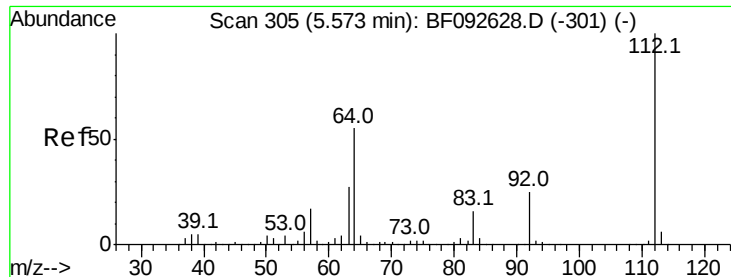
Delta R.T. -0.06 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

Tgt Ion:	42	Resp:	288209
Ion Ratio	Lower	Upper	
42	100		
74	126.2	117.0	175.4
44	7.2	5.5	8.3





#5

2-Fluorophenol

Concen: 161.59 ng

RT: 5.41 min Scan# 291

Delta R.T. -0.03 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

Instrument :

BNA_F

ClientSampleId :

SSP-8(3.5-5.5)MSD

Tot Ion:112 Resp: 1258103

Ion Ratio Lower Upper

112 100

64 64.8 46.1 69.1

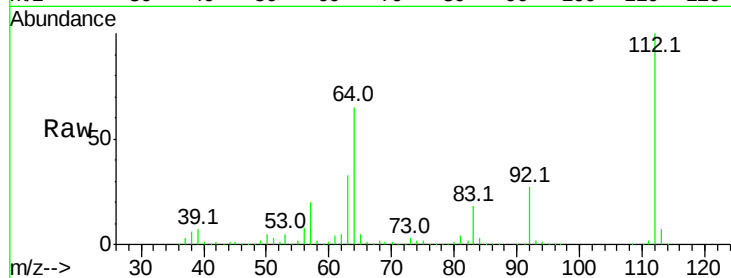
63 33.1 23.8 35.6

Manual Integrations

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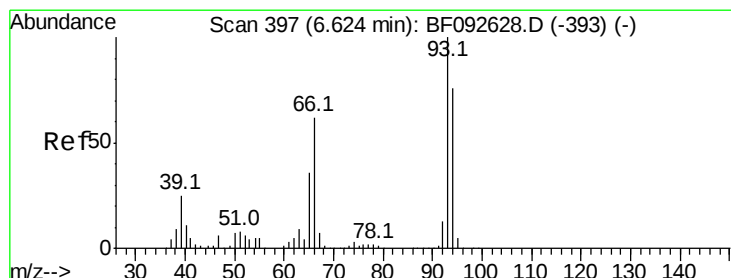
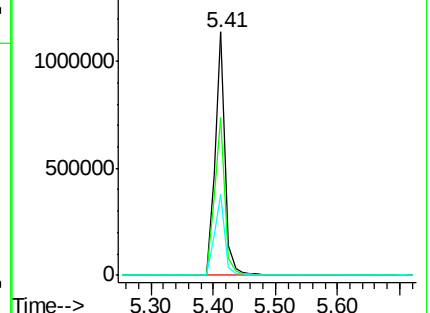
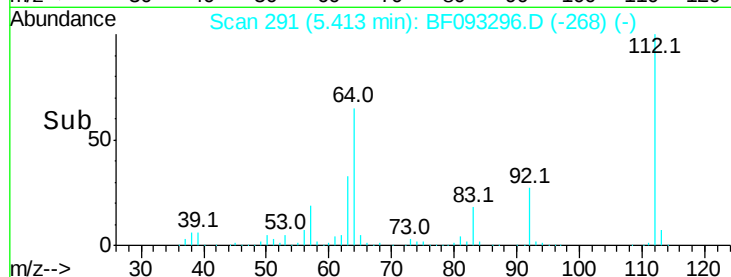
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Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 22.97 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.03 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

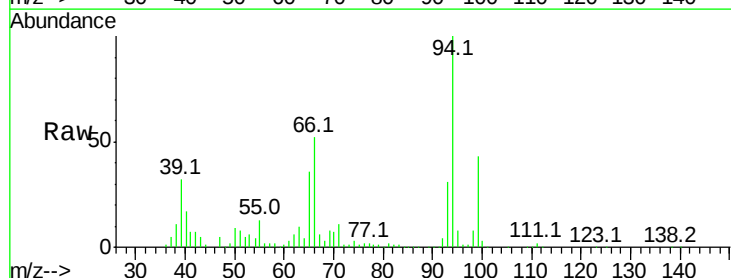
Tgt Ion: 93 Resp: 313917

Ion Ratio Lower Upper

93 100

66 164.2 76.2 114.2#

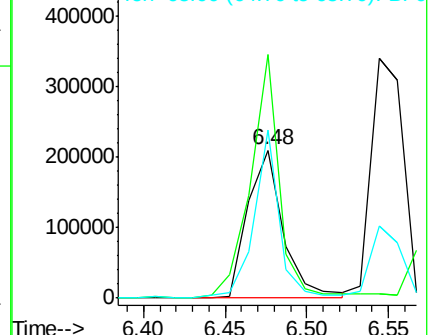
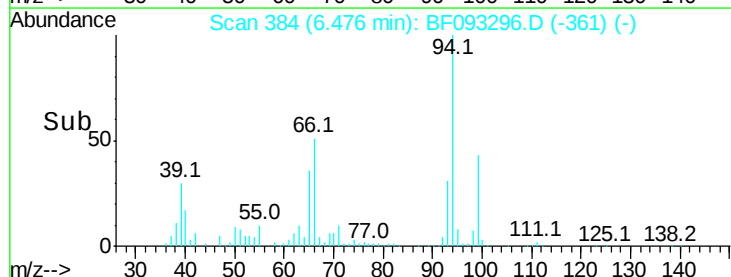
65 113.3 49.3 73.9#

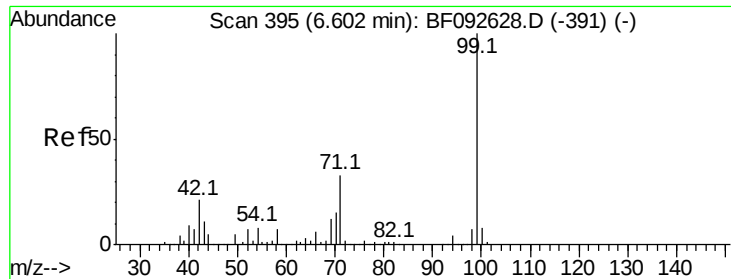


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 144.25 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

Instrument :

BNA_F

ClientSampleId :

SSP-8(3.5-5.5)MSD

Tot Ion: 99 Resp: 1445052

Ion Ratio Lower Upper

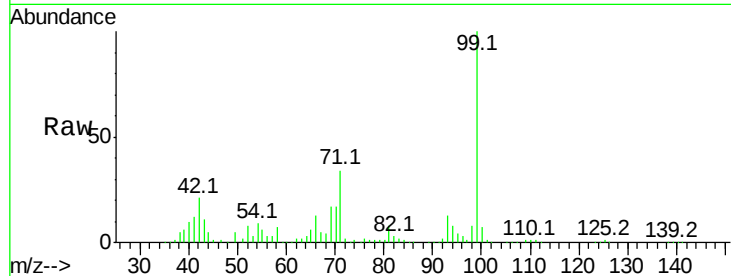
99 100

42 21.2 15.6 23.4

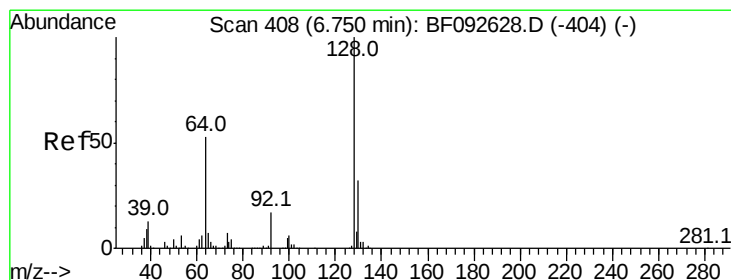
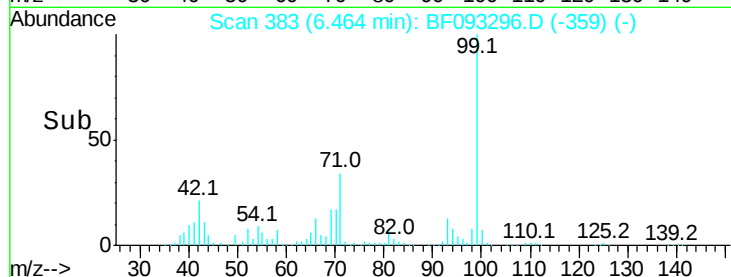
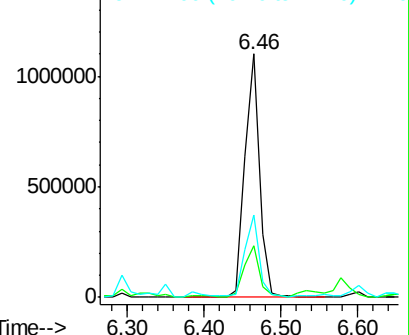
71 33.6 27.5 41.3

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 51.17 ng

RT: 6.60 min Scan# 395

Delta R.T. -0.03 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

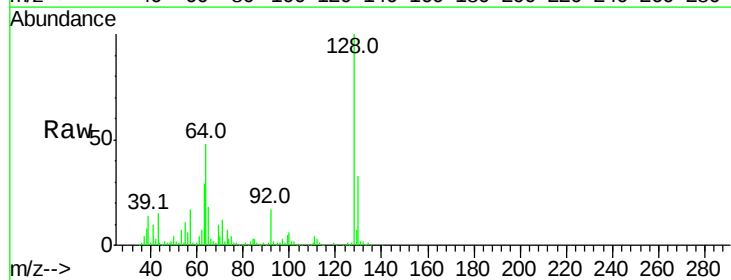
Tgt Ion:128 Resp: 439531

Ion Ratio Lower Upper

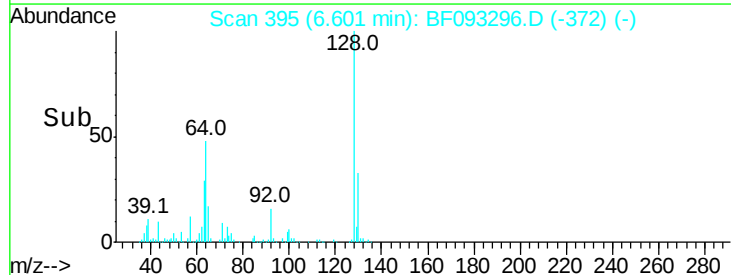
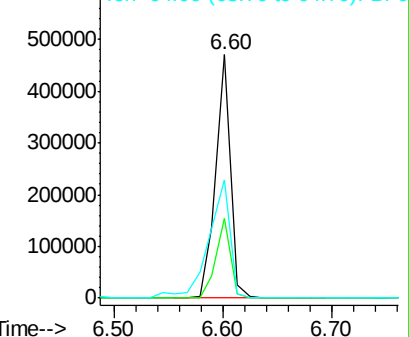
128 100

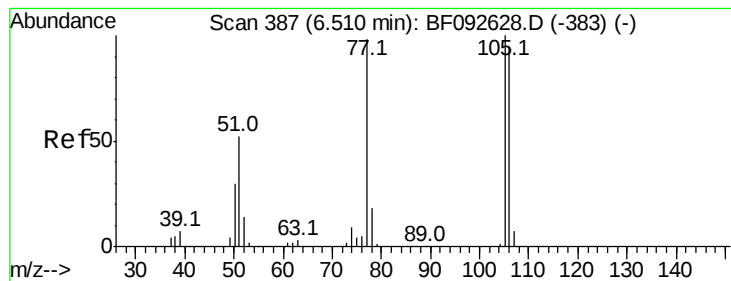
130 32.9 12.3 52.3

64 48.5 32.2 72.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 22.89 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.05 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

Instrument :

BNA_F

ClientSampleId :

SSP-8(3.5-5.5)MSD

Tot Ion: 77 Resp: 164262

Ion Ratio Lower Upper

77 100

105 87.5 83.9 123.9

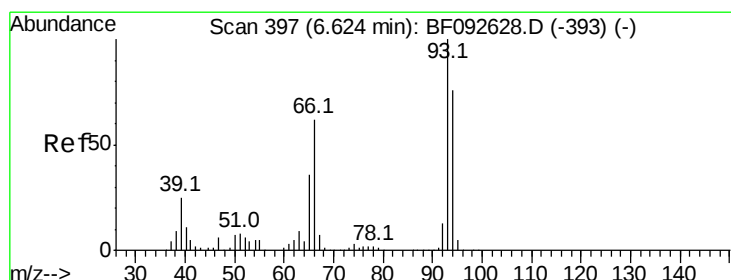
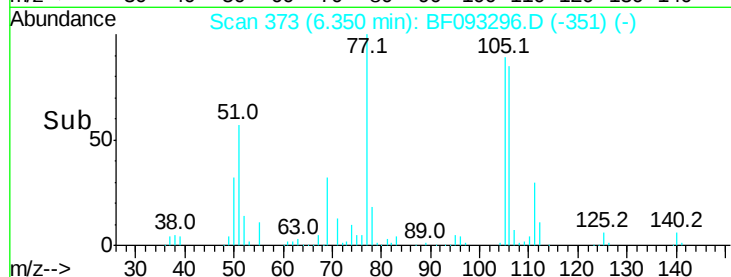
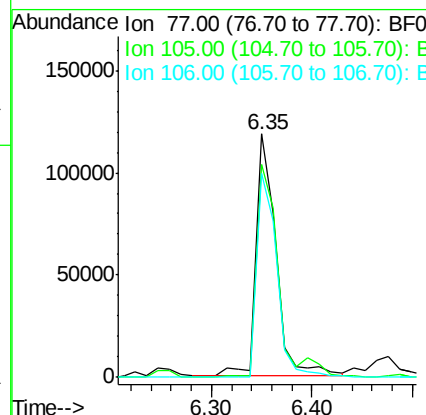
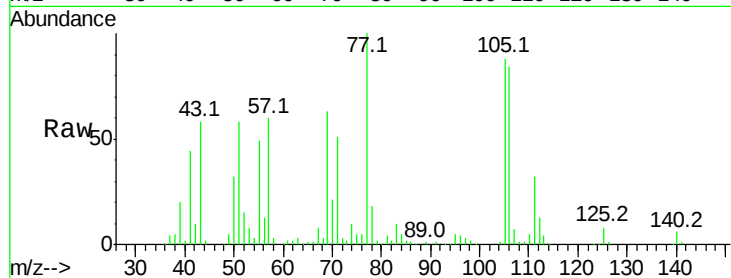
106 83.8 77.6 117.6

Manual Integrations

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#10

Phenol

Concen: 53.64 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.03 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

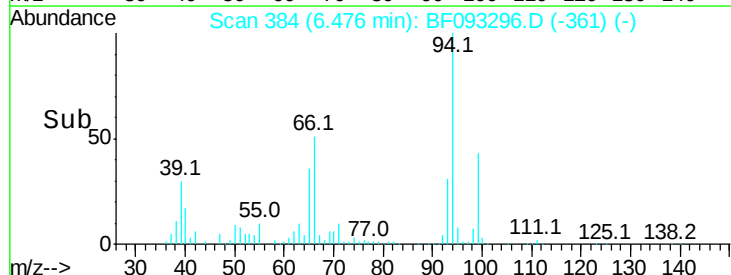
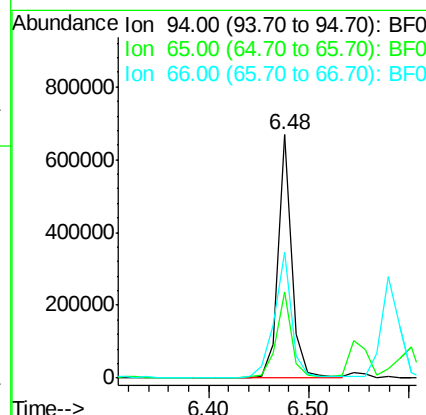
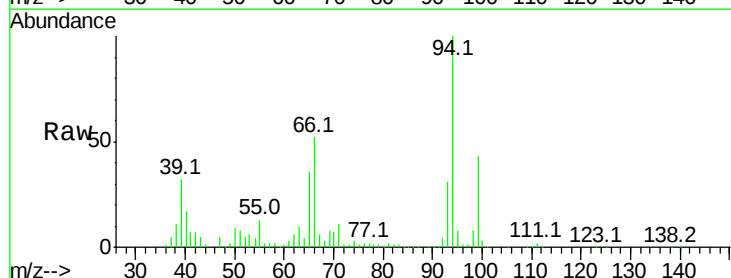
Tgt Ion: 94 Resp: 628725

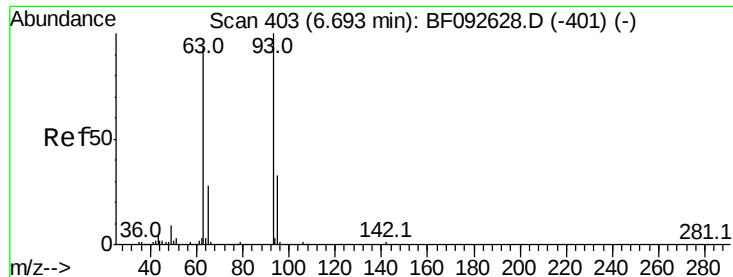
Ion Ratio Lower Upper

94 100

65 35.6 21.4 61.4

66 51.6 44.0 84.0





#11

bis(2-Chloroethyl)ether

Concen: 49.46 ng

RT: 6.54 min Scan# 390

Delta R.T. -0.05 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

Instrument :

BNA_F

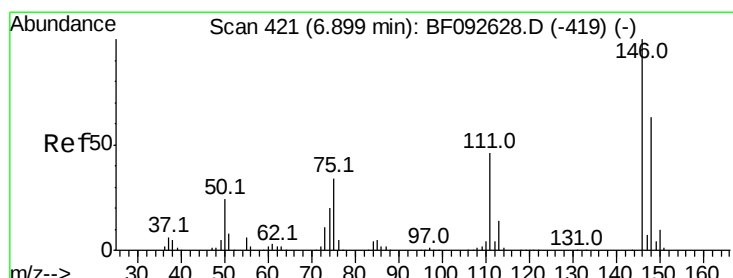
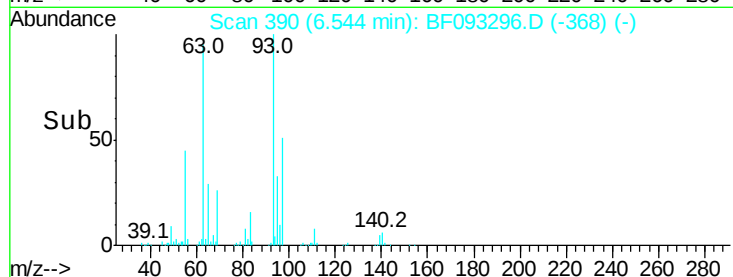
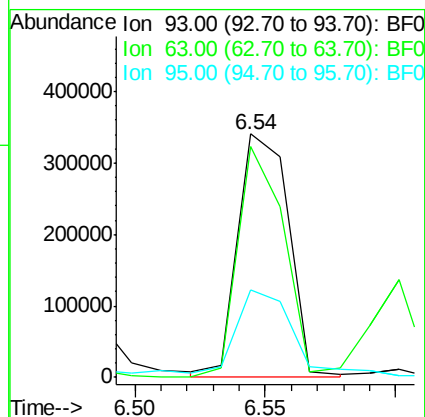
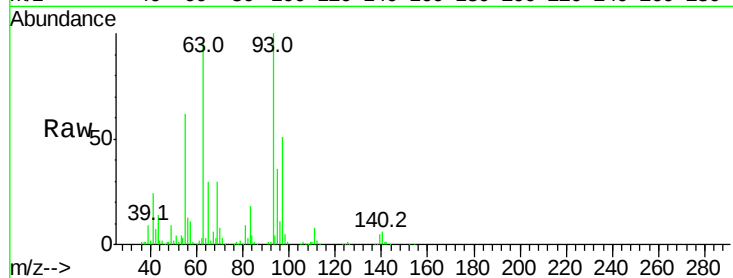
ClientSampleId :

SSP-8(3.5-5.5)MSD

Tot Ion:	93	Resp:	462691
Ion Ratio	Lower	Upper	
93	100		
63	94.7	60.4	100.4
95	35.7	12.8	52.8

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#12

1,3-Dichlorobenzene

Concen: 47.92 ng

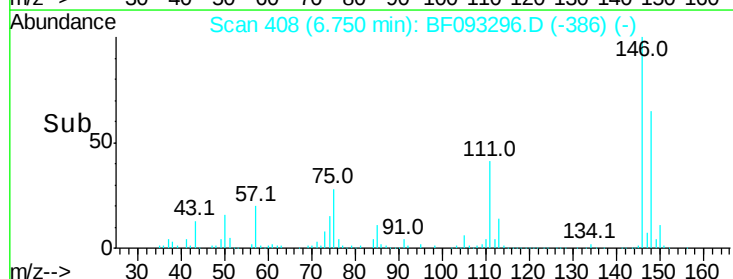
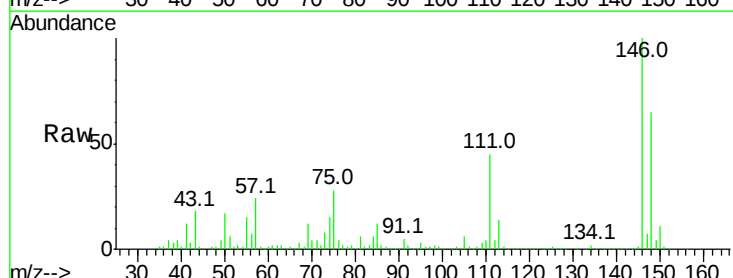
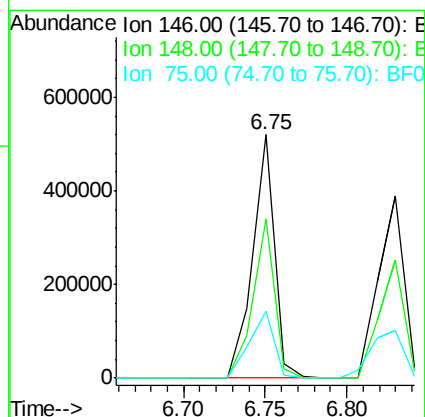
RT: 6.75 min Scan# 408

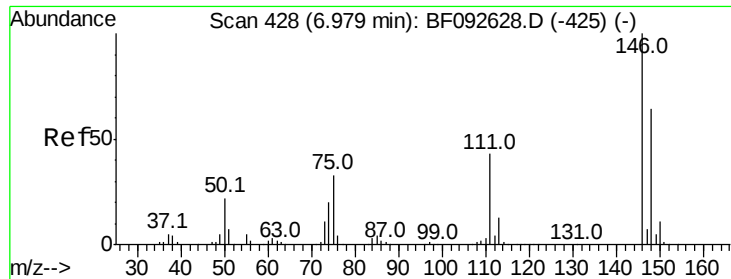
Delta R.T. -0.05 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

Tgt Ion:	146	Resp:	482087
Ion Ratio	Lower	Upper	
146	100		
148	65.2	53.4	80.0
75	27.6	18.5	27.7





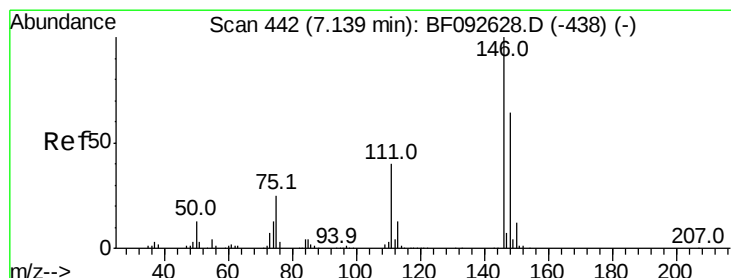
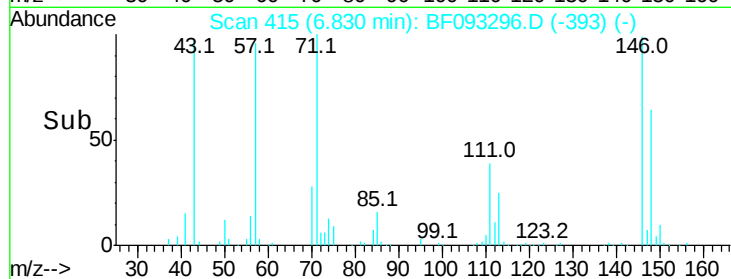
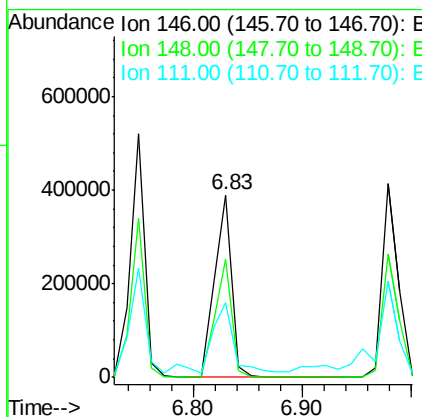
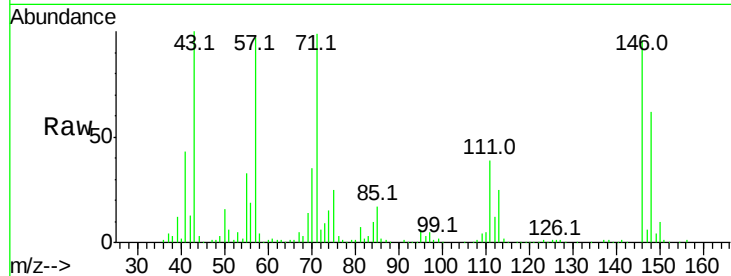
#13
 1,4-Dichlorobenzene
 Concen: 42.36 ng
 RT: 6.83 min Scan# 415
 Delta R.T. -0.05 min
 Lab File: BF093296.D
 Acq: 1 Mar 2017 18:22

Instrument :
 BNA_F
 ClientSampleId :
 SSP-8(3.5-5.5)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.6	50.6	76.0
111	41.1	36.2	54.4

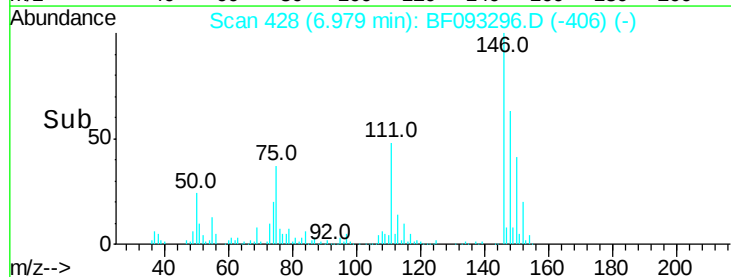
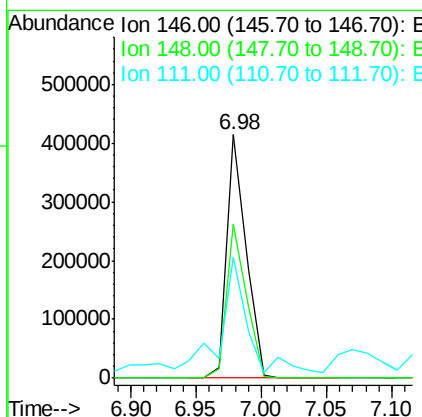
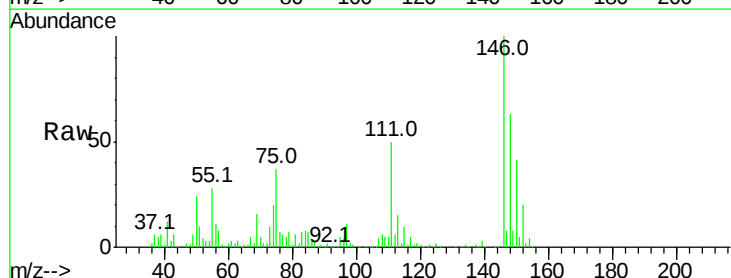
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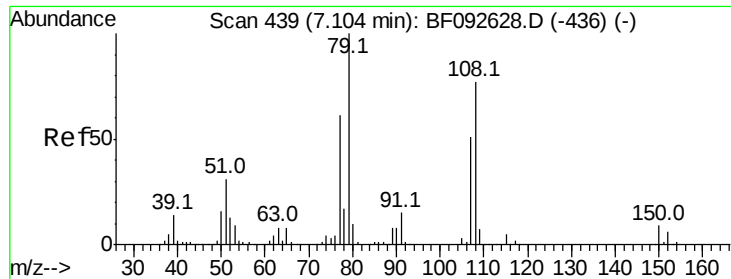
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#14
 1,2-Dichlorobenzene
 Concen: 44.01 ng
 RT: 6.98 min Scan# 428
 Delta R.T. -0.05 min
 Lab File: BF093296.D
 Acq: 1 Mar 2017 18:22

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.4	52.2	78.2
111	49.8	36.2	54.2





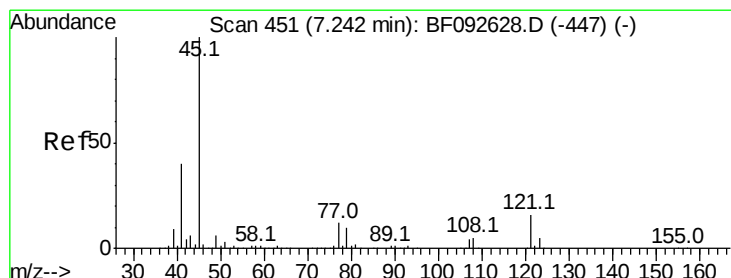
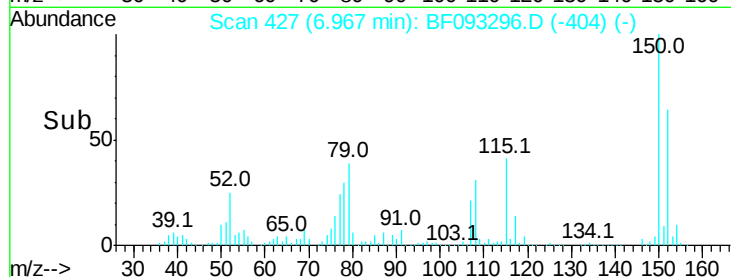
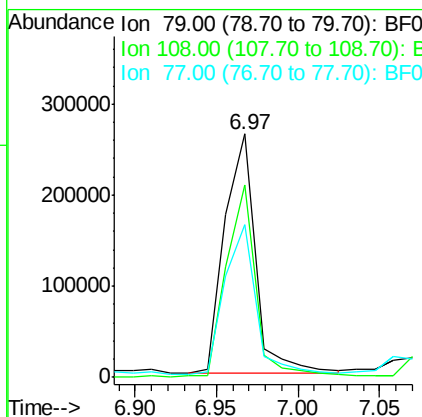
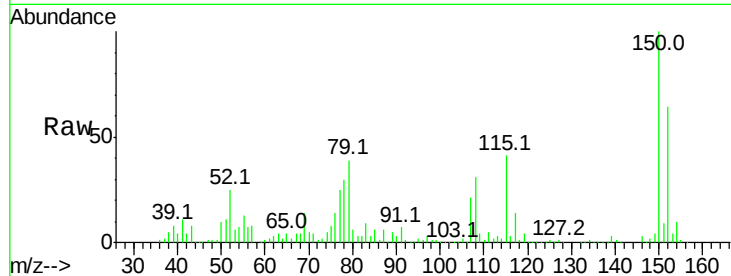
#15
Benzyl Alcohol
Concen: 46.11 ng
RT: 6.97 min Scan# 427
Delta R.T. -0.03 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Instrument :
BNA_F
ClientSampleId :
SSP-8(3.5-5.5)MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	79.0	61.4	92.0
77	62.9	50.9	76.3

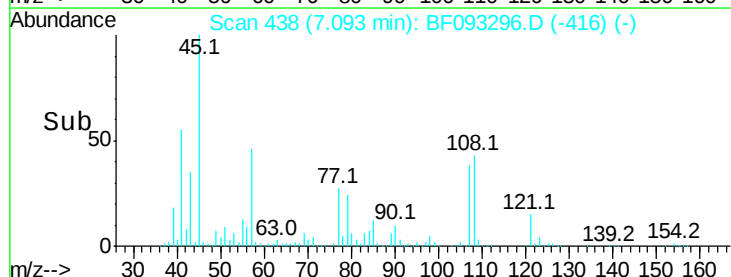
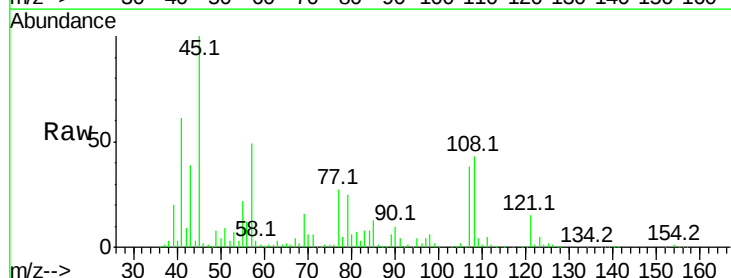
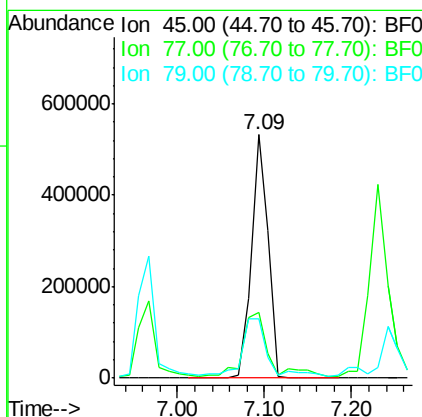
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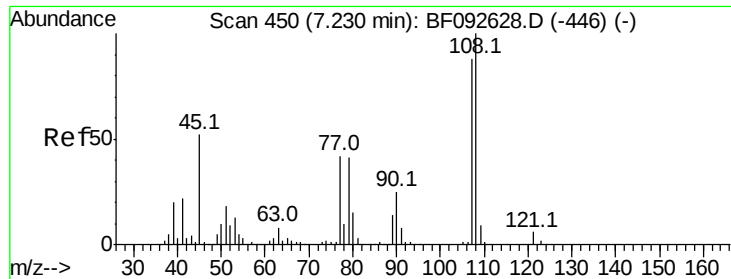
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.09 ng
RT: 7.09 min Scan# 438
Delta R.T. -0.05 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Tgt Ion	Ratio	Lower	Upper
45	100		
77	27.0	0.0	34.6
79	24.6	0.0	31.2





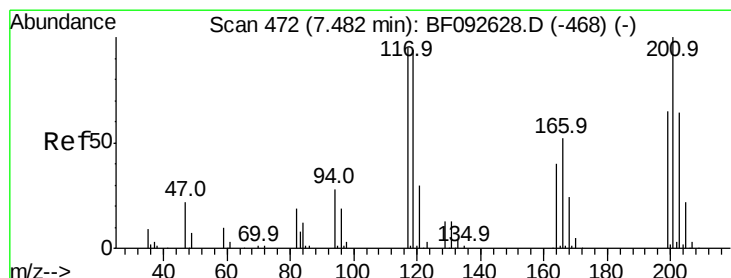
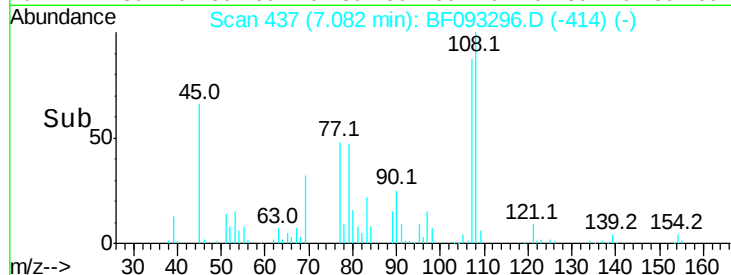
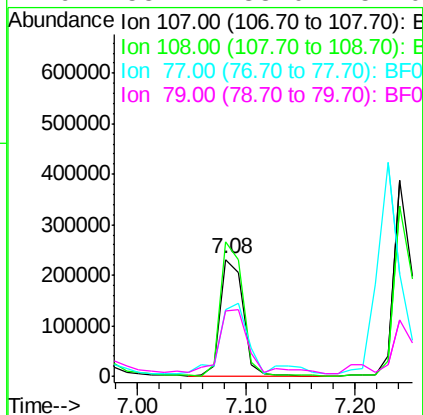
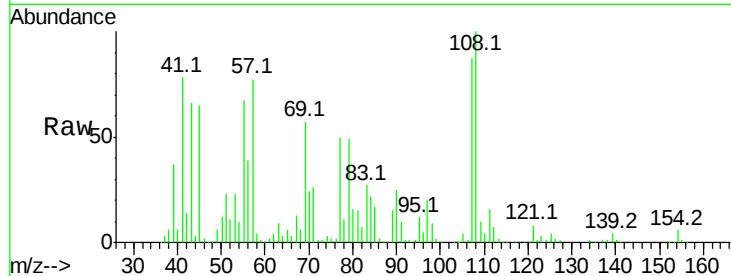
#17
2-Methylphenol
Concen: 45.30 ng
RT: 7.08 min Scan# 437
Delta R.T. -0.03 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Instrument :
BNA_F
ClientSampleId :
SSP-8(3.5-5.5)MSD

Tot Ion	107	Resp	333847
Ion Ratio	Lower	Upper	
107	100		
108	114.8	93.0	139.6
77	57.1	39.8	59.8
79	55.7	38.0	57.0

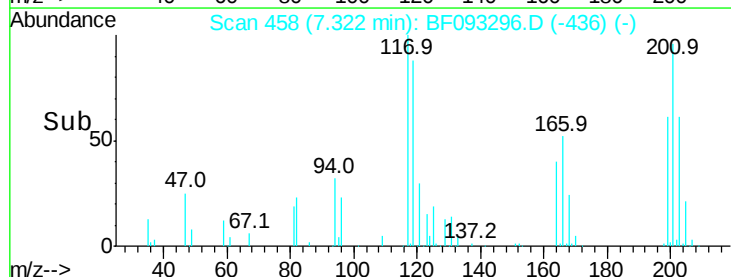
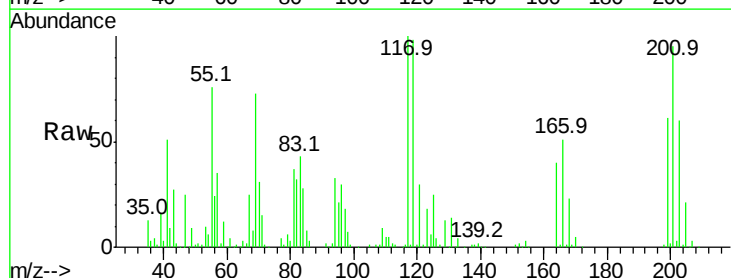
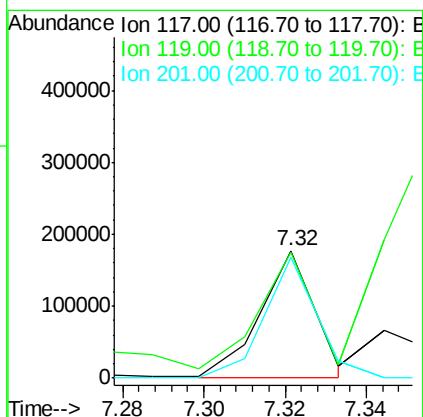
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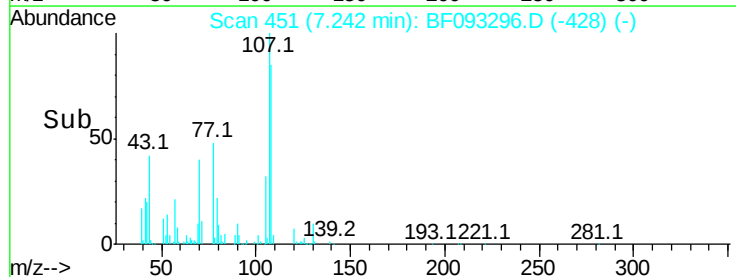
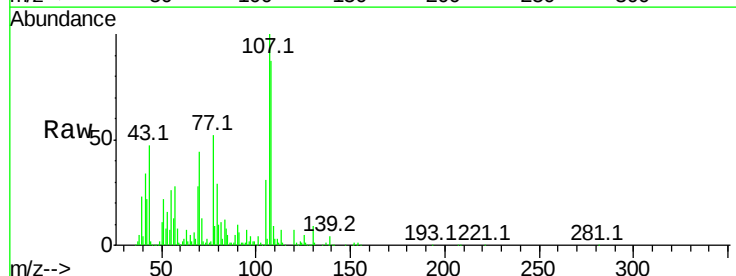
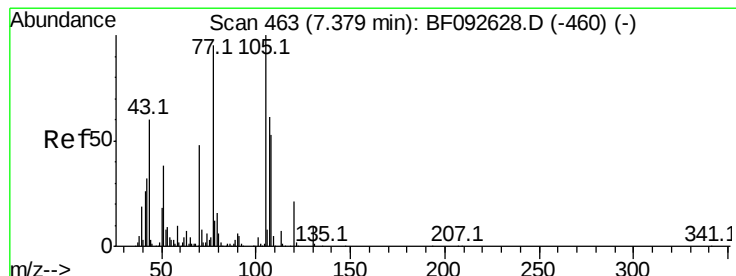
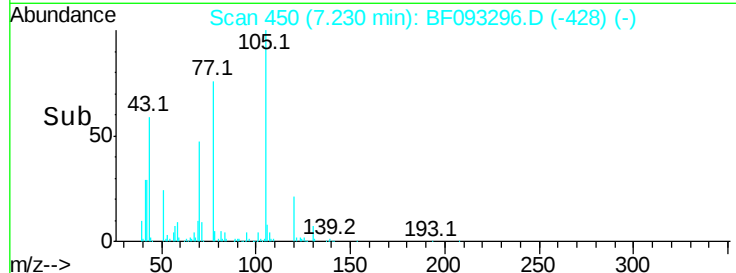
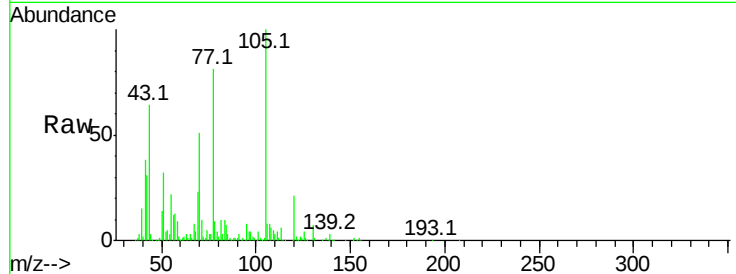
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#18
Hexachloroethane
Concen: 47.65 ng m
RT: 7.32 min Scan# 458
Delta R.T. -0.05 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Tgt Ion	117	Resp	165619
Ion Ratio	Lower	Upper	
117	100		
119	98.0	78.1	117.1
201	94.9	78.6	117.8





#19

n-Nitroso-di-n-propylamine

Concen: 56.49 ng

RT: 7.23 min Scan# 450

Delta R.T. -0.05 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

Instrument :

BNA_F

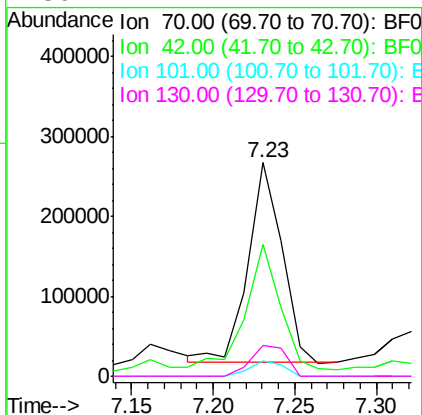
ClientSampleId :

SSP-8(3.5-5.5)MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	61.5	49.4	74.0
101	7.0	7.4	11.2#
130	14.1	14.2	21.4#

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#20

3+4-Methylphenols

Concen: 53.83 ng

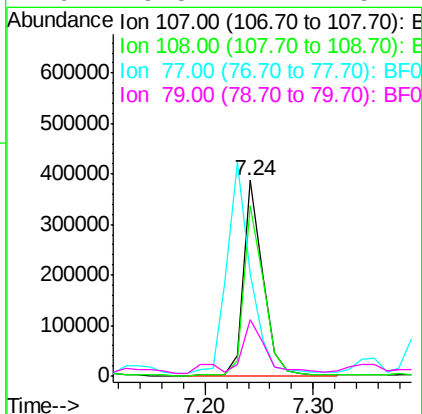
RT: 7.24 min Scan# 451

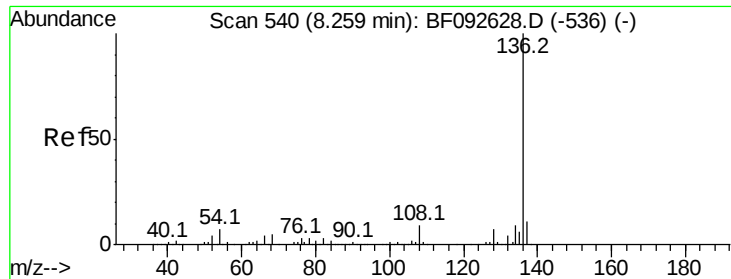
Delta R.T. -0.03 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.3	73.0	113.0
77	52.1	71.3	111.3#
79	28.8	11.1	51.1





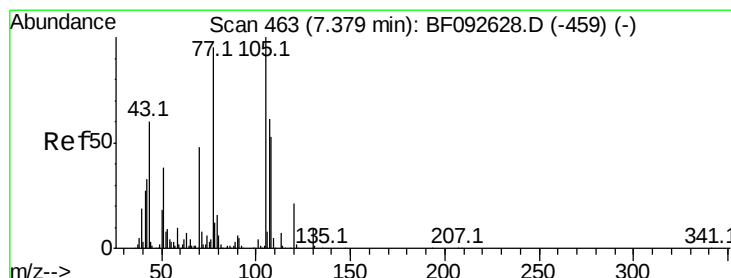
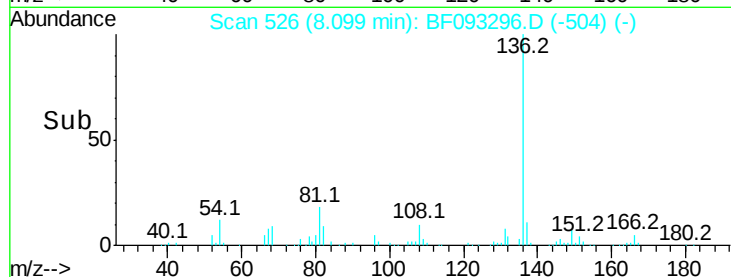
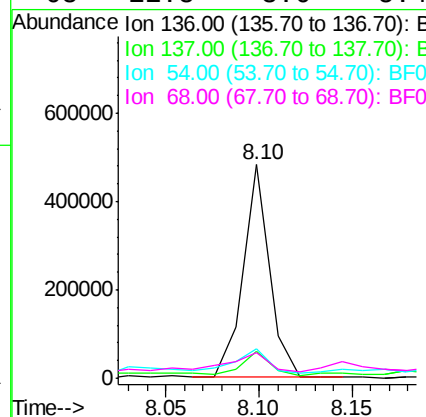
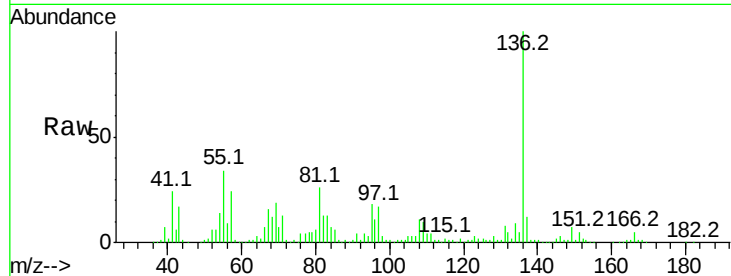
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.05 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Instrument :
BNA_F
ClientSampleId :
SSP-8(3.5-5.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	474853		
137	12.5	8.4	12.6	
54	13.7	4.5	6.7#	
68	11.8	3.6	5.4#	

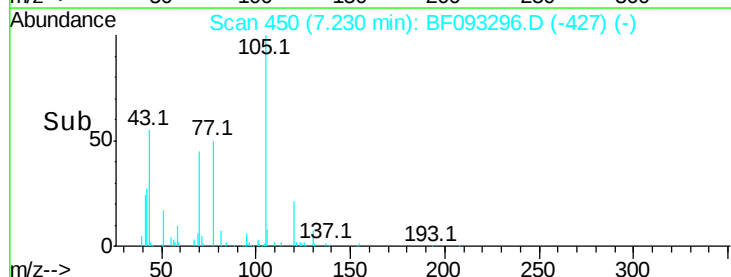
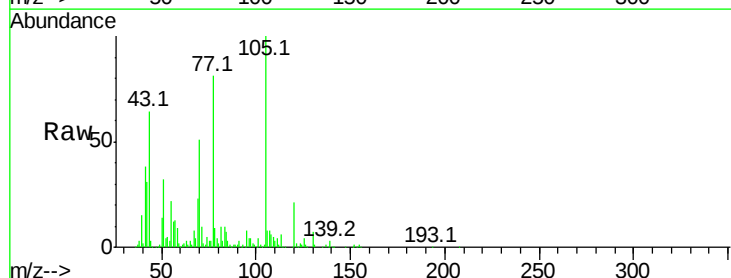
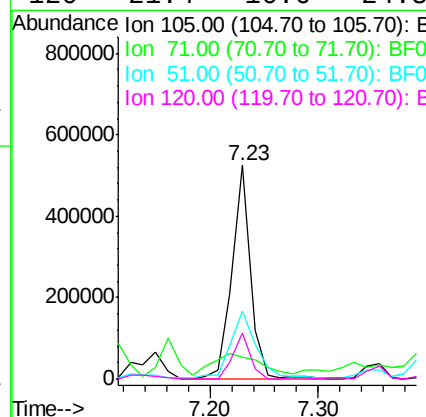
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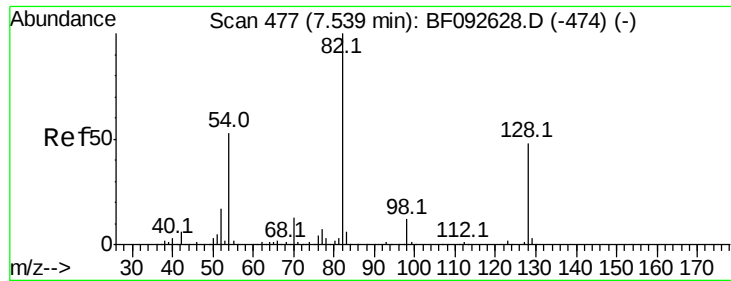
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#22
Acetophenone
Concen: 56.87 ng
RT: 7.23 min Scan# 450
Delta R.T. -0.03 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	616525		
71	10.5	3.2	4.8#	
51	31.7	26.2	39.4	
120	21.4	16.6	24.8	





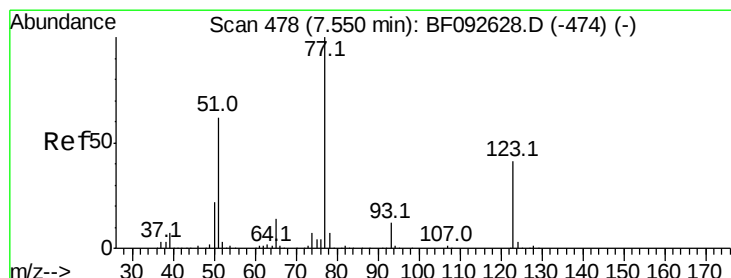
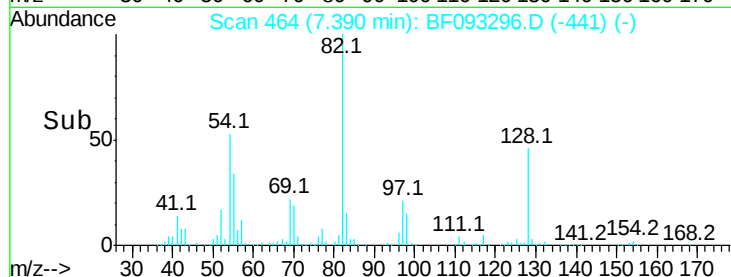
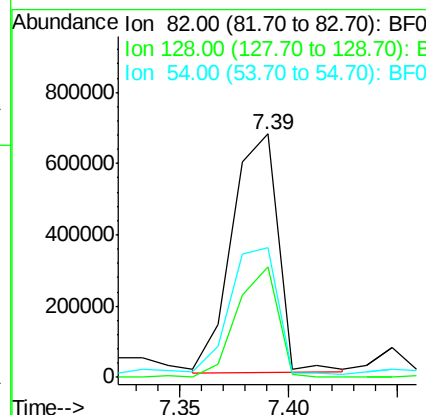
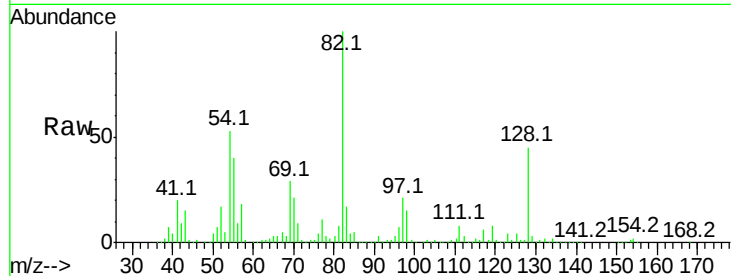
#23
 Nitrobenzene-d5
 Concen: 114.93 ng
 RT: 7.39 min Scan# 464
 Delta R.T. -0.03 min
 Lab File: BF093296.D
 Acq: 1 Mar 2017 18:22

Instrument :
 BNA_F
 ClientSampleId :
 SSP-8(3.5-5.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.5	34.6	52.0	
54	53.2	39.5	59.3	

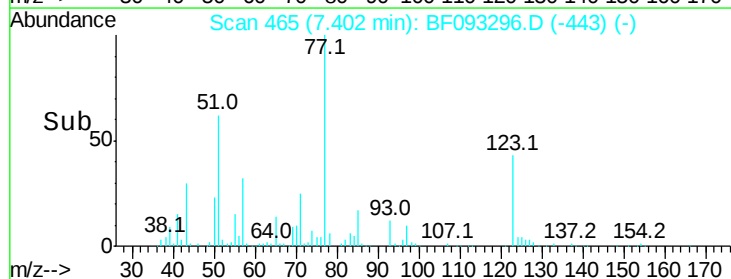
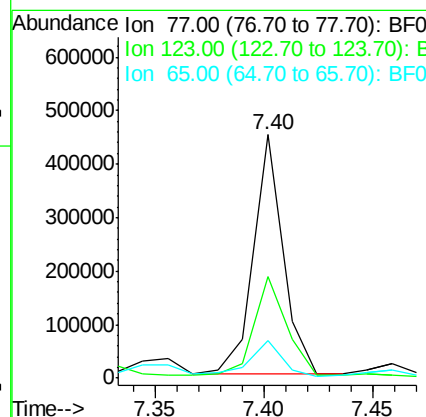
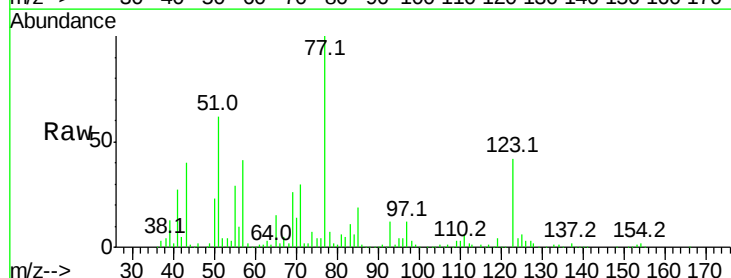
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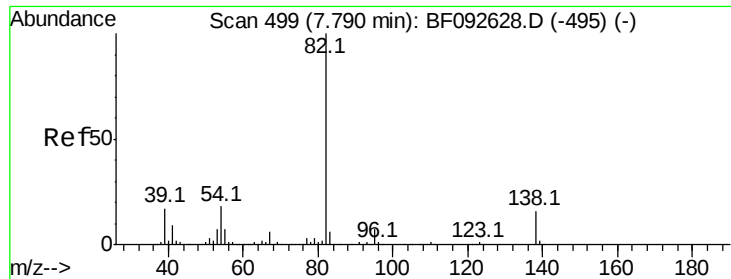
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#24
 Nitrobenzene
 Concen: 48.47 ng
 RT: 7.40 min Scan# 465
 Delta R.T. -0.05 min
 Lab File: BF093296.D
 Acq: 1 Mar 2017 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	41.8	33.0	49.4	
65	15.2	11.2	16.8	





#25

Isophorone

Concen: 60.96 ng

RT: 7.64 min Scan# 486

Delta R.T. -0.05 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

Instrument :

BNA_F

ClientSampleId :

SSP-8(3.5-5.5)MSD

Tot Ion: 82 Resp: 968660

Ion Ratio Lower Upper

82 100

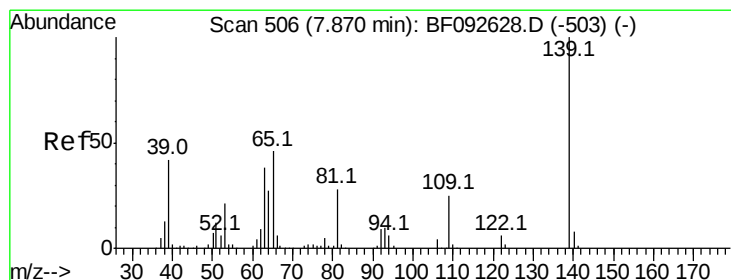
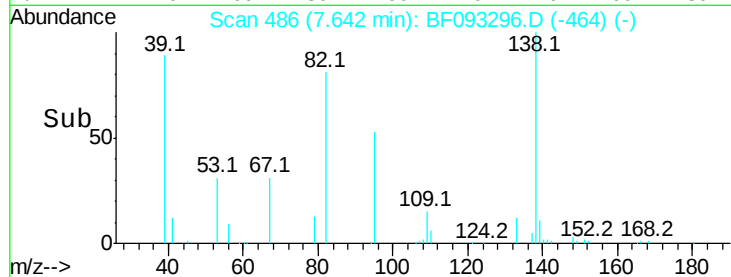
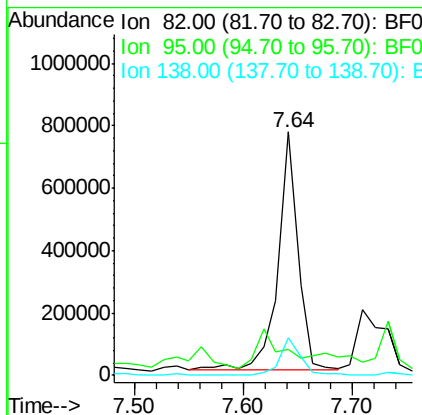
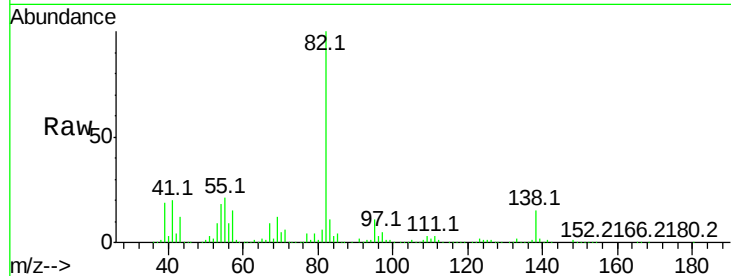
95 10.7 5.6 8.4#

138 15.4 14.6 22.0

Manual Integrations
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#26

2-Nitrophenol

Concen: 56.20 ng

RT: 7.72 min Scan# 493

Delta R.T. -0.03 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

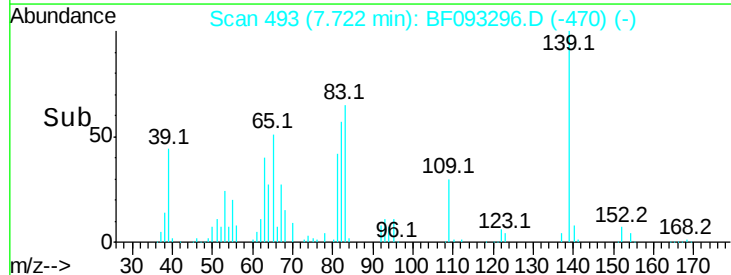
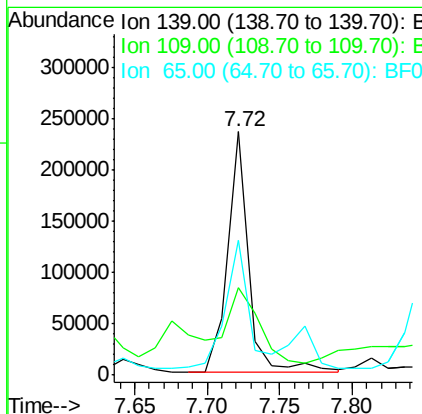
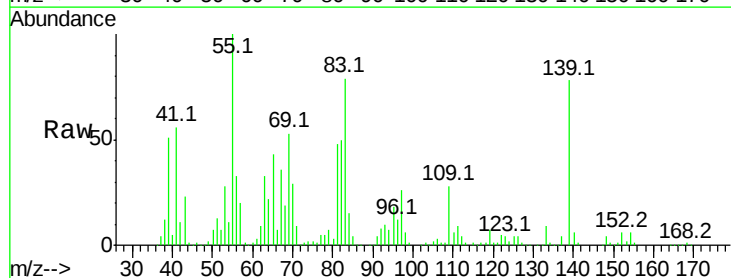
Tgt Ion: 139 Resp: 233893

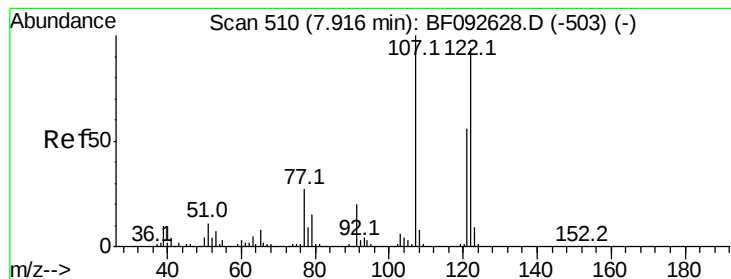
Ion Ratio Lower Upper

139 100

109 36.0 23.3 34.9#

65 55.5 42.7 64.1





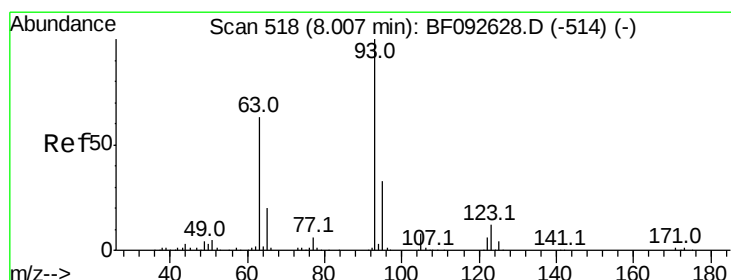
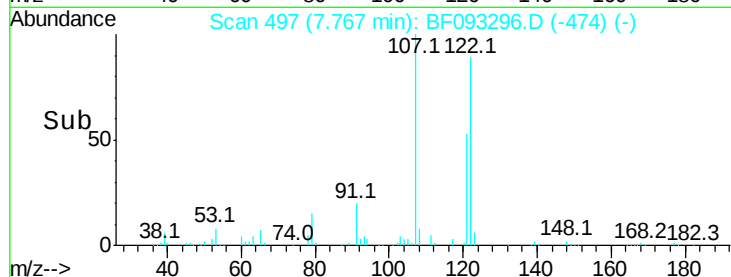
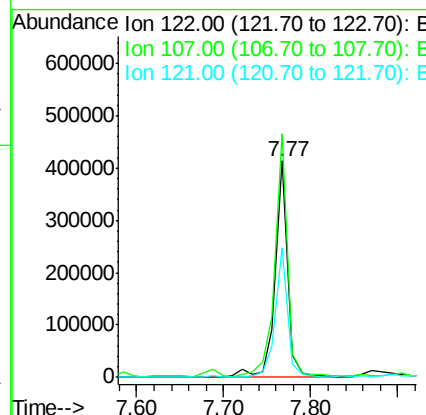
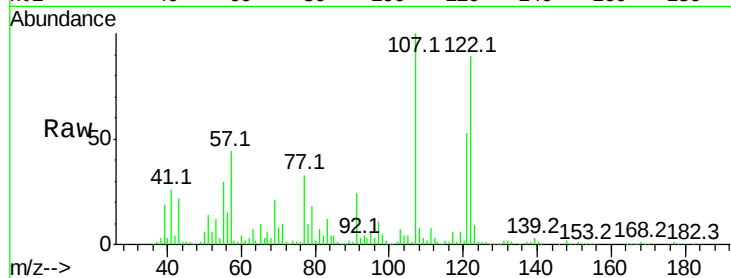
#27
2,4-Dimethylphenol
Concen: 55.29 ng
RT: 7.77 min Scan# 497
Delta R.T. -0.03 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Instrument :
BNA_F
ClientSampleId :
SSP-8(3.5-5.5)MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	112.6	94.1	141.1
121	59.8	46.0	69.0

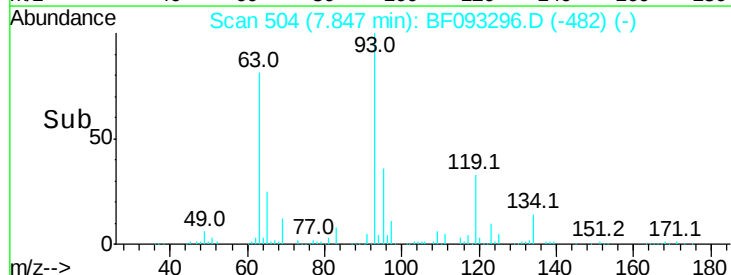
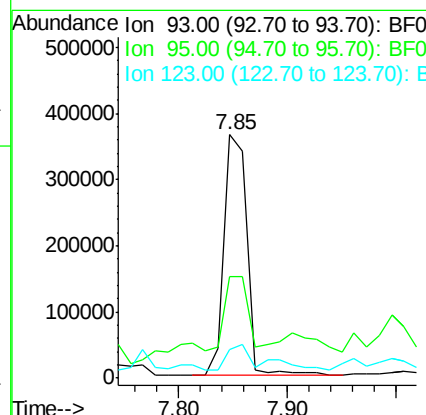
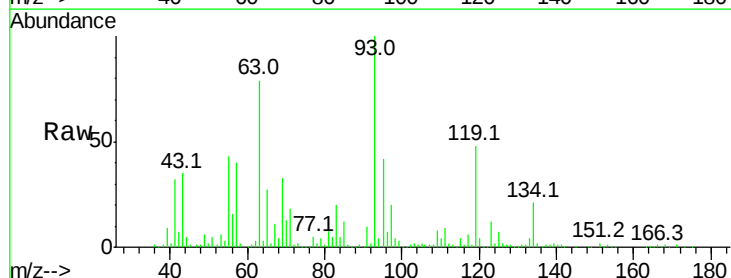
Manual Integrations
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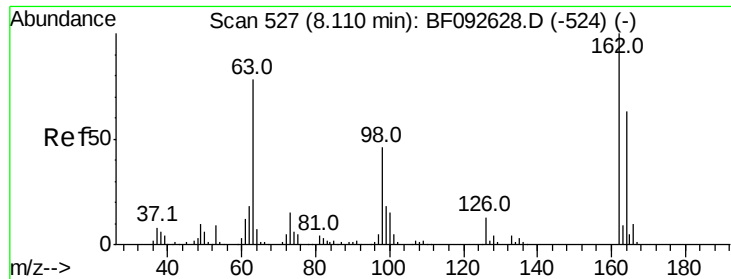
mohammad
3/2/2017 1:42:35 PM



#28
bis(2-Chloroethoxy)methane
Concen: 50.61 ng
RT: 7.85 min Scan# 504
Delta R.T. -0.05 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	41.5	26.5	39.7#
123	11.7	8.6	13.0





#29

2,4-Dichlorophenol

Concen: 54.40 ng

RT: 7.97 min Scan# 515

Delta R.T. -0.03 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

Instrument :

BNA_F

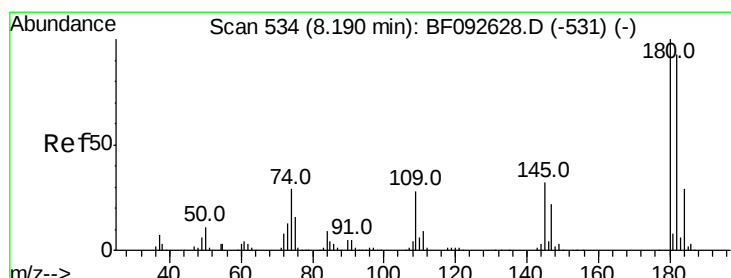
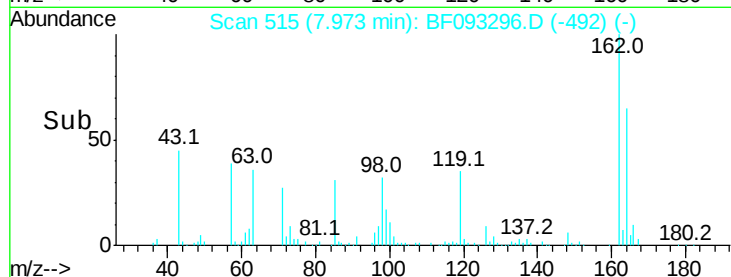
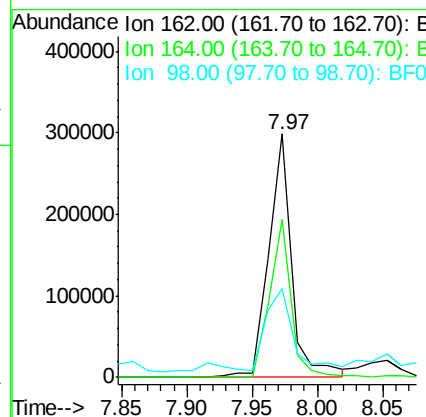
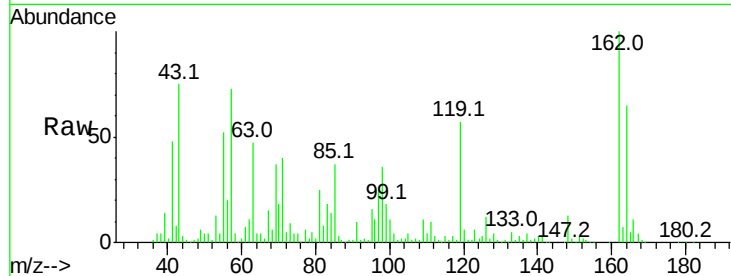
ClientSampleId :

SSP-8(3.5-5.5)MSD

Tot Ion:	162	Resp:	370890
Ion Ratio	Lower	Upper	
162	100		
164	64.8	46.8	86.8
98	36.2	9.1	49.1

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#30

1,2,4-Trichlorobenzene

Concen: 47.02 ng

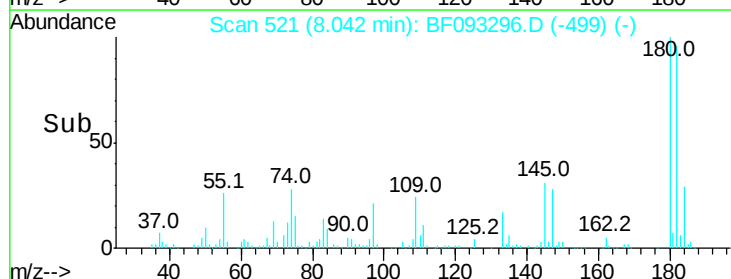
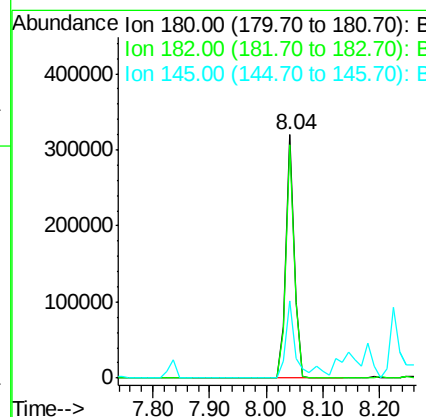
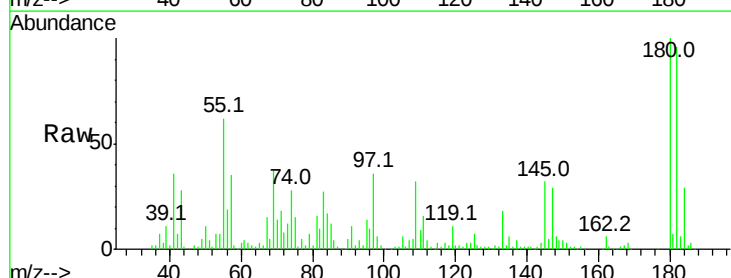
RT: 8.04 min Scan# 521

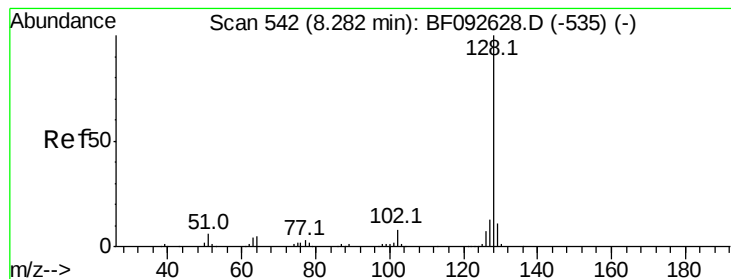
Delta R.T. -0.05 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

Tgt Ion:	180	Resp:	345454
Ion Ratio	Lower	Upper	
180	100		
182	95.7	78.2	117.4
145	31.7	21.6	32.4





#31

Naphthalene

Concen: 50.04 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

Instrument :

BNA_F

ClientSampleId :

SSP-8(3.5-5.5)MSD

Tot Ion:128 Resp: 1204460

Ion Ratio Lower Upper

128 100

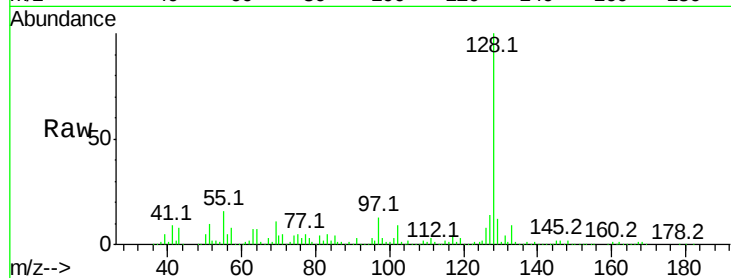
129 12.0 9.5 14.3

127 13.9 10.8 16.2

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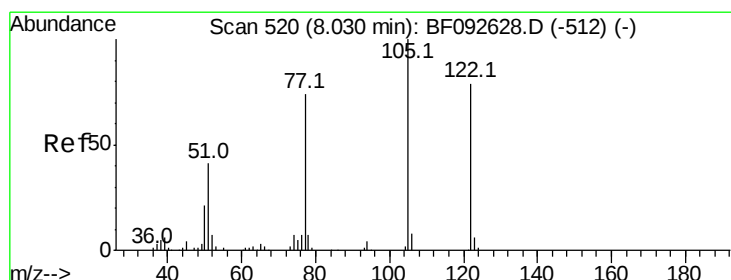
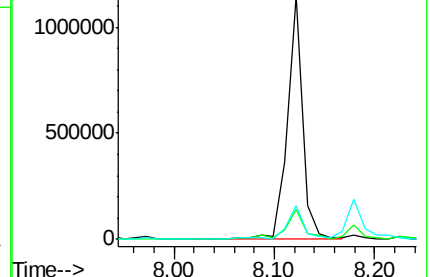
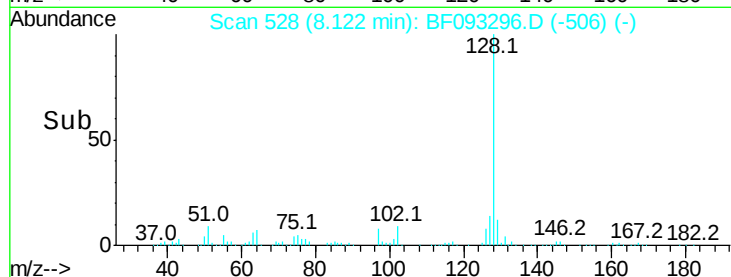
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 12.65 ng

RT: 7.87 min Scan# 506

Delta R.T. -0.06 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

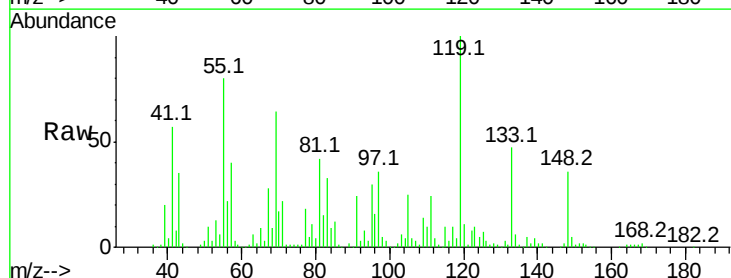
Tgt Ion:122 Resp: 26701

Ion Ratio Lower Upper

122 100

105 318.7 107.2 147.2#

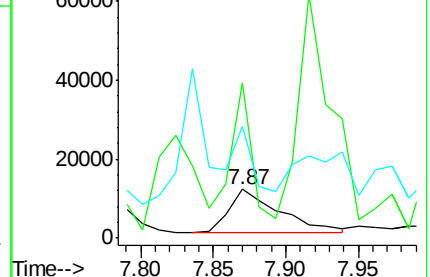
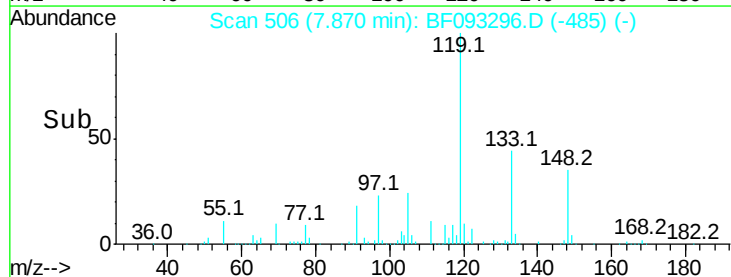
77 229.0 74.5 114.5#

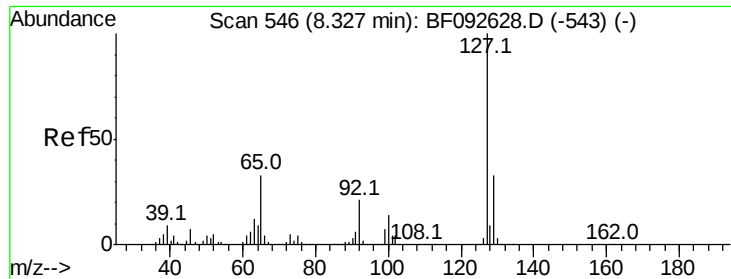


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





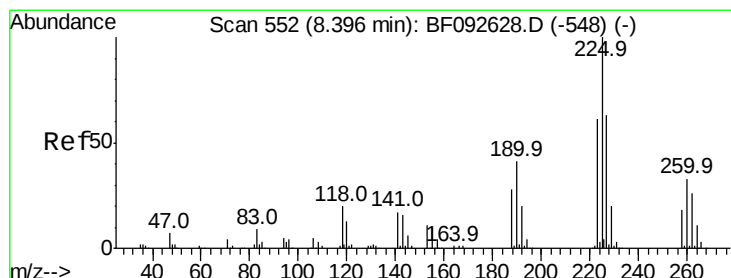
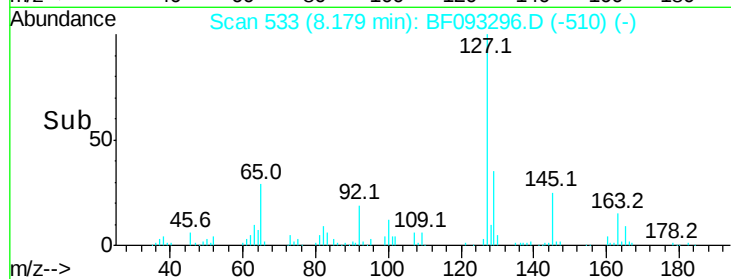
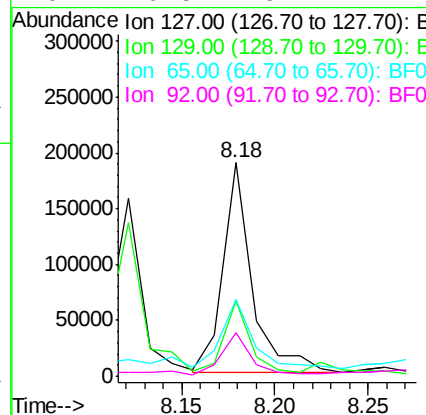
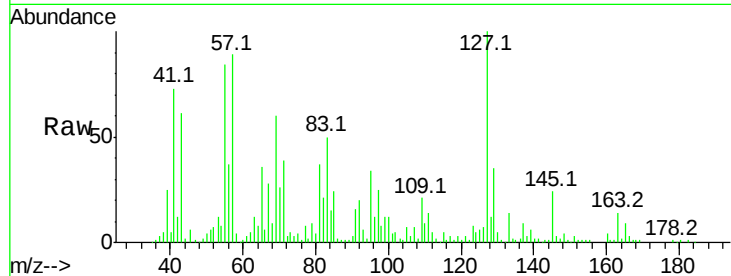
#33
4-Chloroaniline
Concen: 21.96 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.03 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Instrument :
BNA_F
ClientSampleId :
SSP-8(3.5-5.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100	207309		
129	35.1	26.3	39.5	
65	35.7	25.8	38.8	
92	20.5	16.1	24.1	

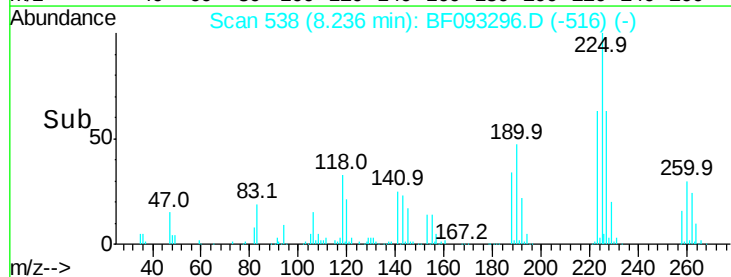
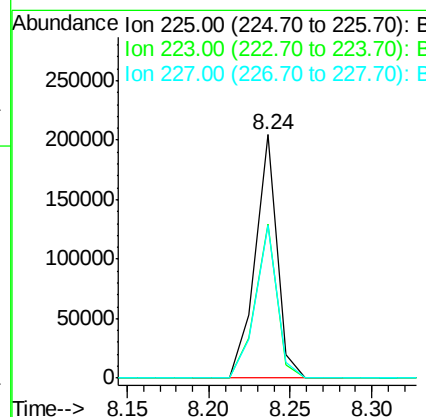
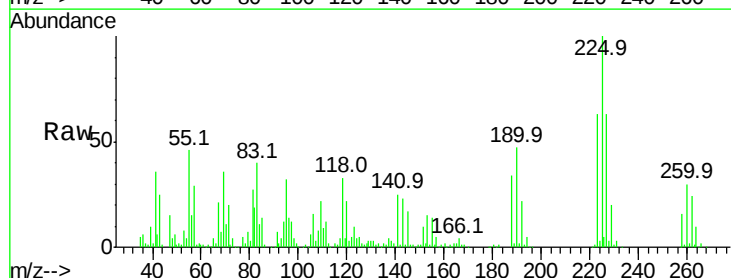
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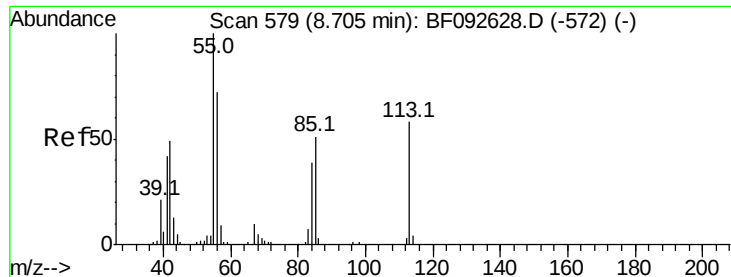
mohammad
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#34
Hexachlorobutadiene
Concen: 47.13 ng
RT: 8.24 min Scan# 538
Delta R.T. -0.05 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	190499		
223	63.5	51.0	76.6	
227	62.8	50.6	76.0	





#35

Caprolactam

Concen: 117.27 ng

RT: 8.52 min Scan# 563

Delta R.T. -0.07 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

Instrument :

BNA_F

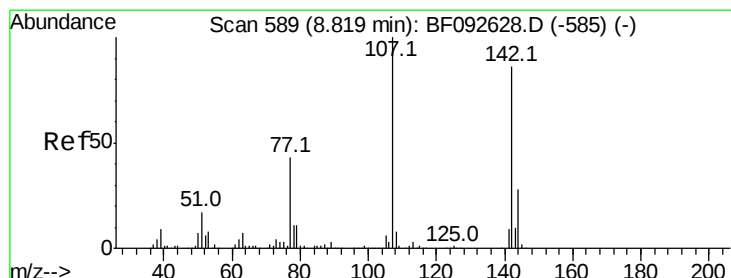
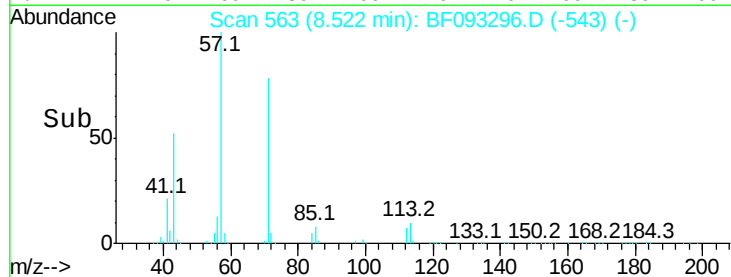
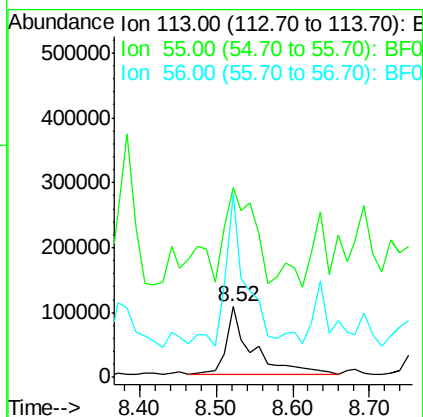
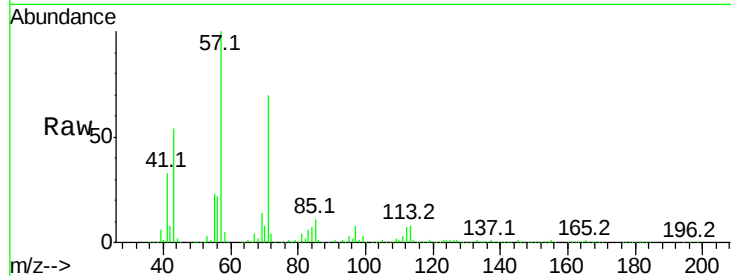
ClientSampleId :

SSP-8(3.5-5.5)MSD

Tot Ion:	113	Resp:	251480
Ion Ratio	Lower	Upper	
113	100		
55	269.4	119.2	159.2#
56	259.3	83.8	123.8#

Manual Integrations
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#36

4-Chloro-3-methylphenol

Concen: 52.48 ng

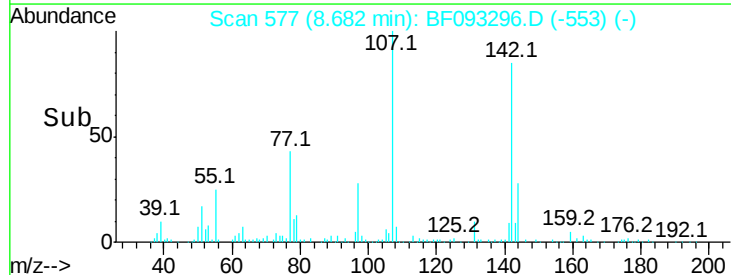
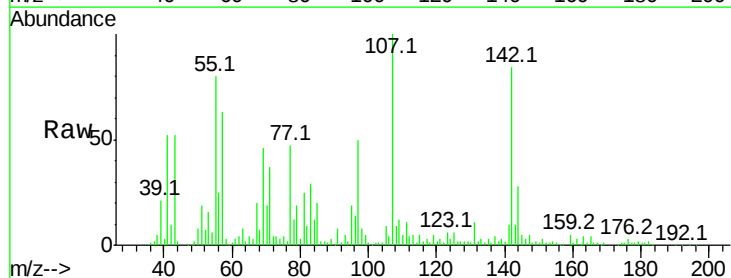
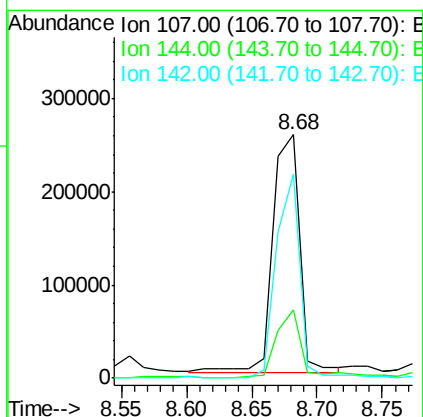
RT: 8.68 min Scan# 577

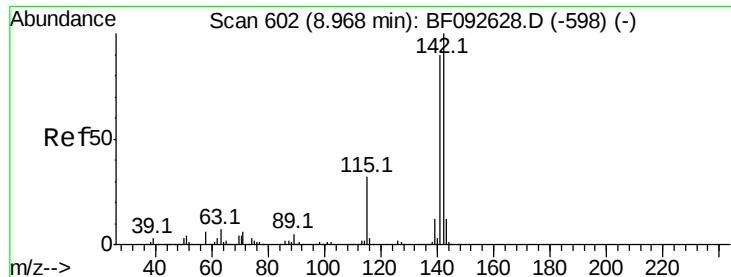
Delta R.T. -0.02 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

Tgt Ion:	107	Resp:	373013
Ion Ratio	Lower	Upper	
107	100		
144	28.0	19.3	28.9
142	83.8	59.0	88.6





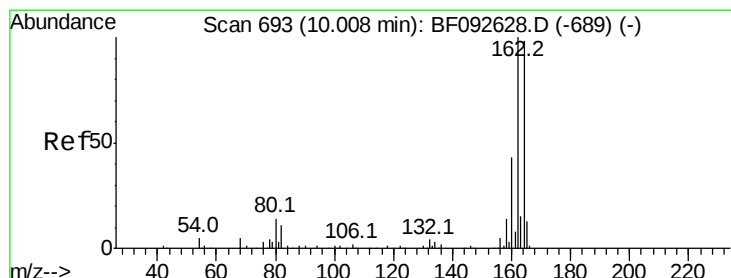
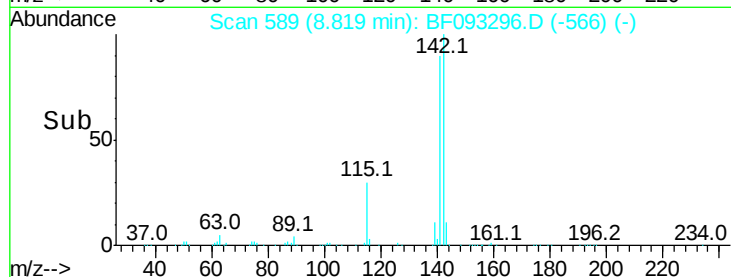
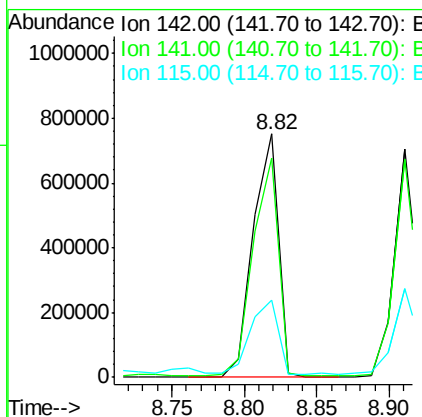
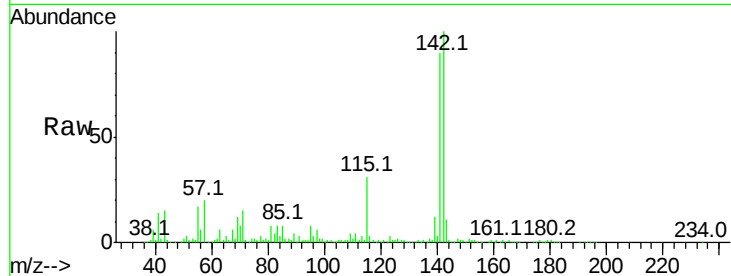
#37
2-Methylnaphthalene
Concen: 58.83 ng
RT: 8.82 min Scan# 589
Delta R.T. -0.03 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Instrument :
BNA_F
ClientSampleId :
SSP-8(3.5-5.5)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.0	106.6
115	31.5	28.3	42.5

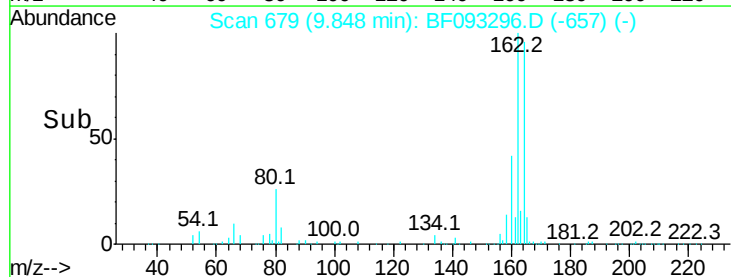
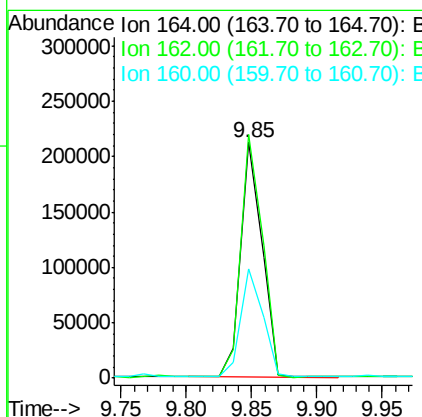
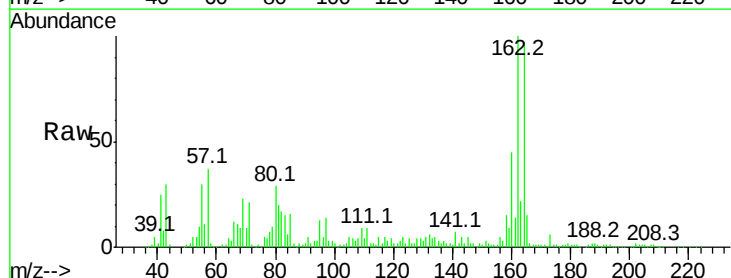
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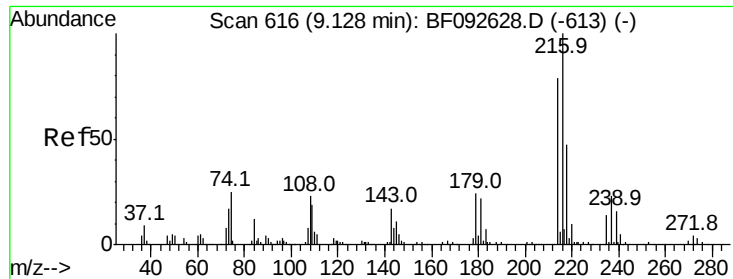
mohammad
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.05 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	80.2	120.2
160	46.1	36.9	55.3





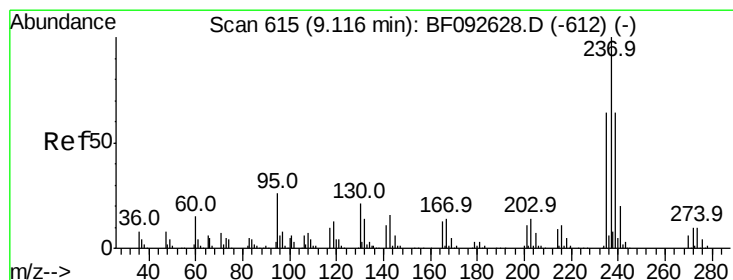
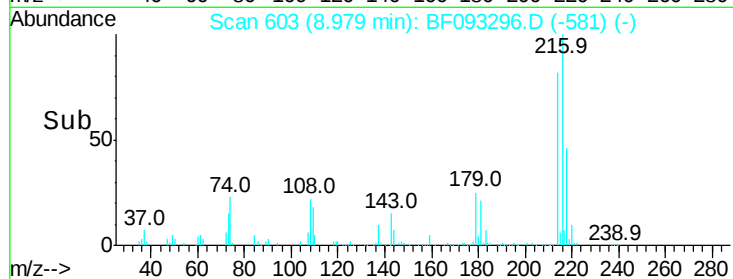
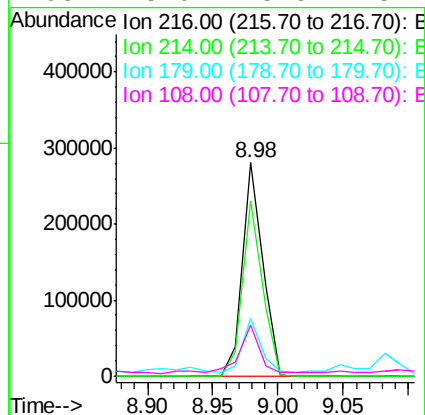
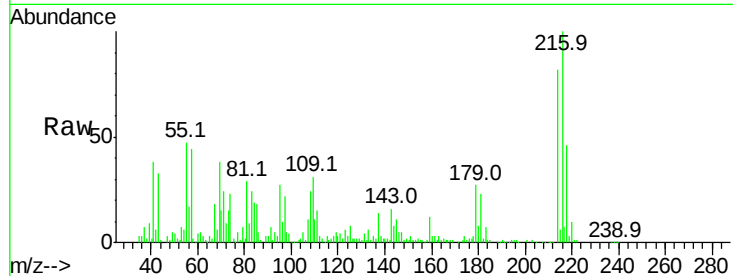
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 44.71 ng
 RT: 8.98 min Scan# 603
 Delta R.T. -0.05 min
 Lab File: BF093296.D
 Acq: 1 Mar 2017 18:22

Instrument :
 BNA_F
 ClientSampleId :
 SSP-8(3.5-5.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100	302243		
214	80.1	63.4	95.0	
179	23.1	17.4	26.2	
108	23.0	15.6	23.4	

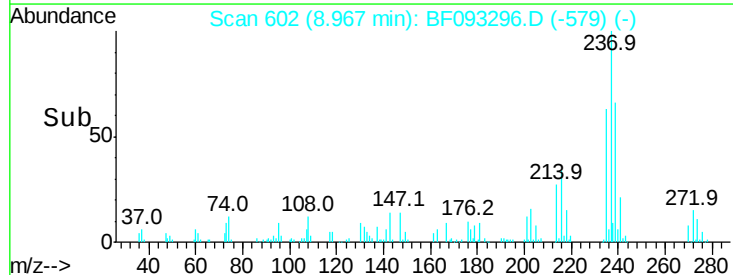
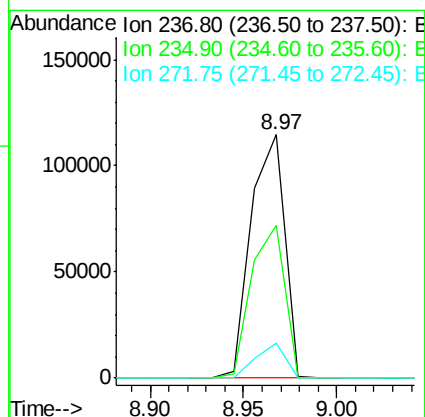
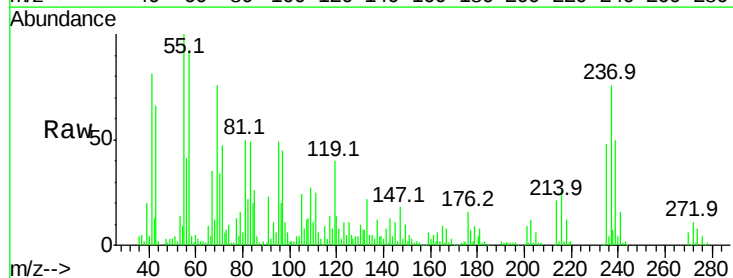
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#40
 Hexachlorocyclopentadiene
 Concen: 46.75 ng
 RT: 8.97 min Scan# 602
 Delta R.T. -0.03 min
 Lab File: BF093296.D
 Acq: 1 Mar 2017 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	142571		
235	62.8	41.2	81.2	
272	14.5	0.0	35.4	





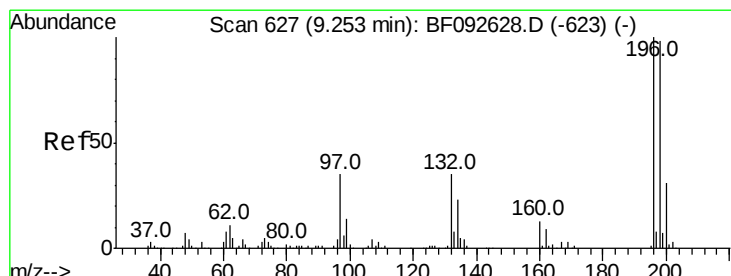
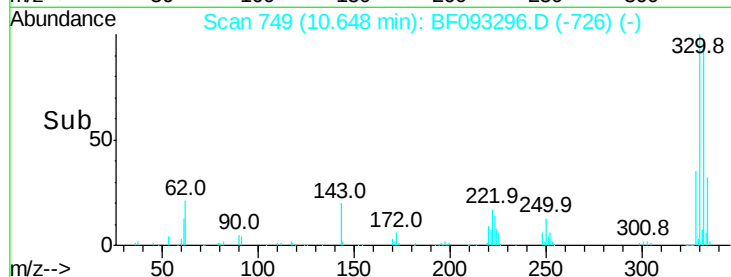
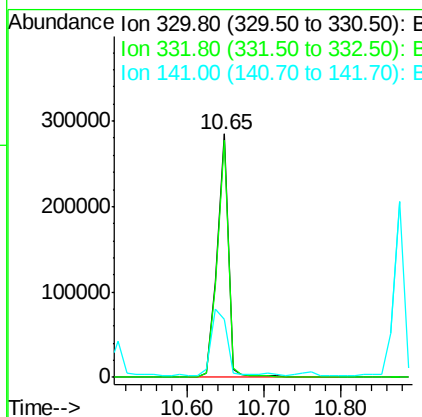
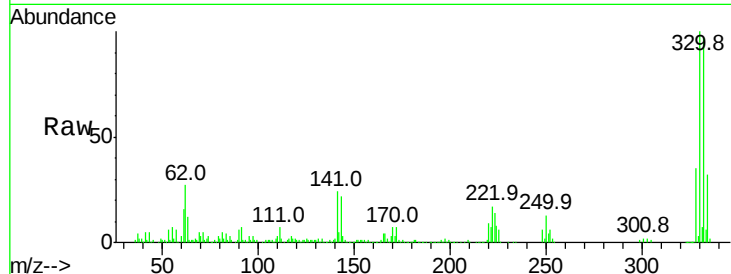
#41
 2,4,6-Tribromophenol
 Concen: 168.53 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.03 min
 Lab File: BF093296.D
 Acq: 1 Mar 2017 18:22

Instrument :
 BNA_F
 ClientSampleId :
 SSP-8(3.5-5.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	293524		
332	97.8		77.4	116.2
141	36.0		34.1	51.1

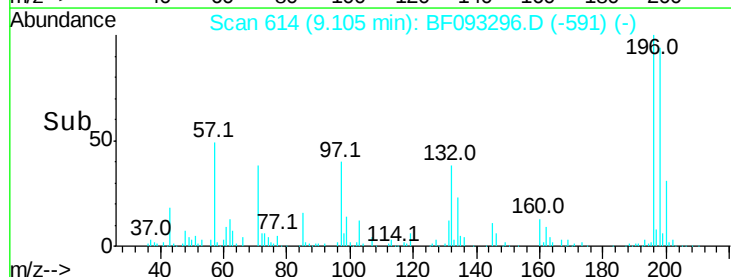
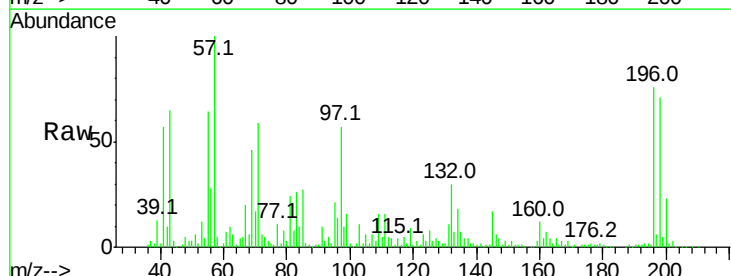
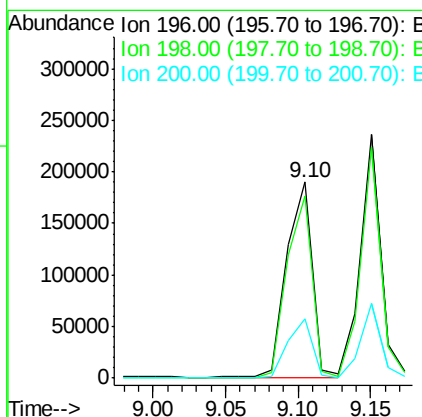
Manual Integrations
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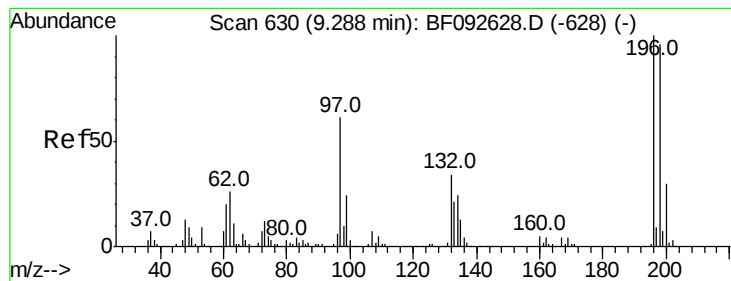
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#42
 2,4,6-Trichlorophenol
 Concen: 52.06 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.03 min
 Lab File: BF093296.D
 Acq: 1 Mar 2017 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	231239		
198	92.9		82.1	123.1
200	30.4		27.0	40.4





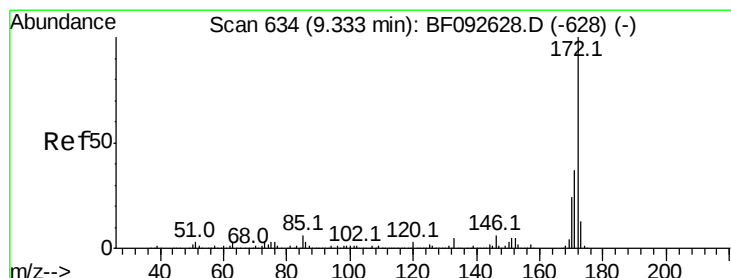
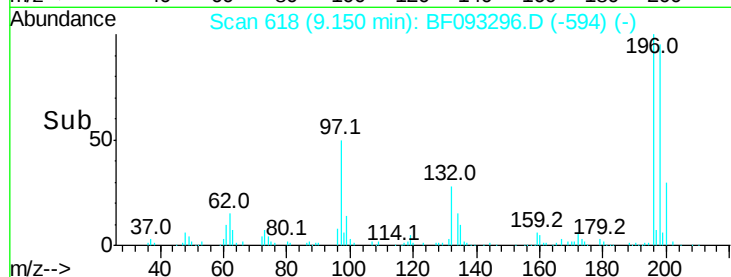
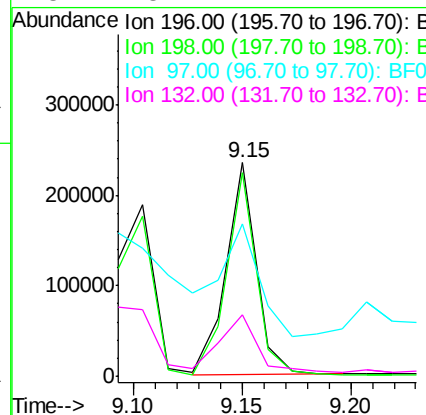
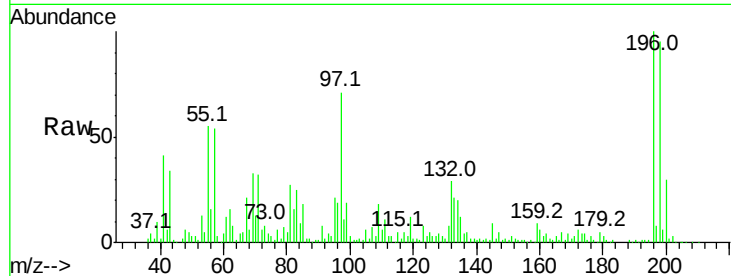
#43
 2,4,5-Trichlorophenol
 Concen: 46.70 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.02 min
 Lab File: BF093296.D
 Acq: 1 Mar 2017 18:22

Instrument :
 BNA_F
 ClientSampleId :
 SSP-8(3.5-5.5)MSD

Tot Ion	196	Resp	227293
Ion Ratio	Lower	Upper	
196	100		
198	95.1	79.4	119.2
97	71.3	51.5	77.3
132	28.7	27.4	41.2

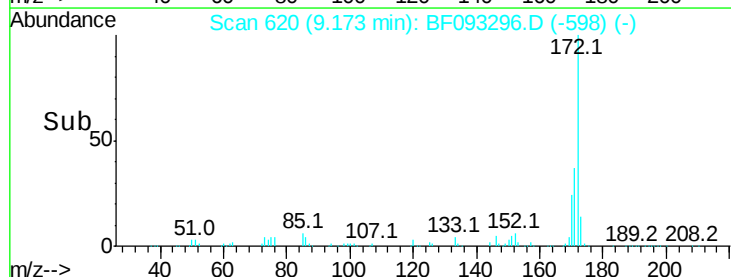
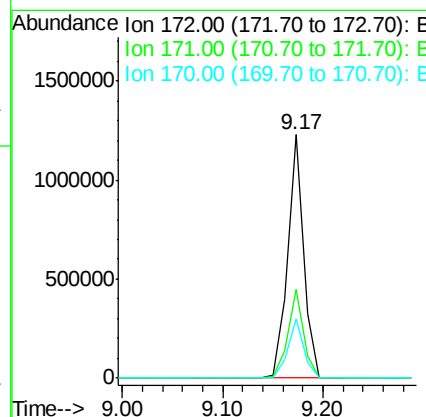
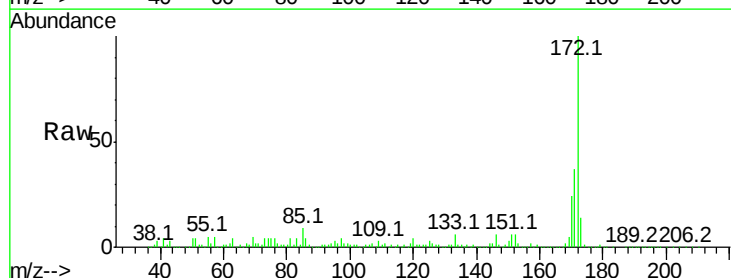
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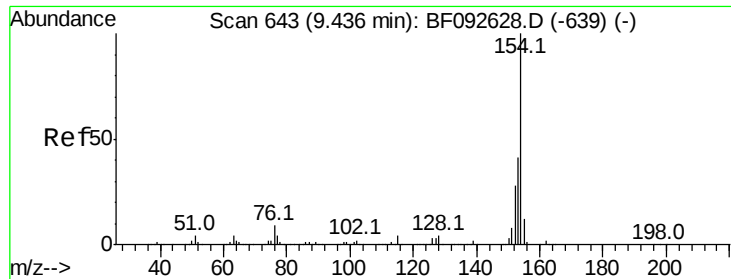
mohammad
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#44
 2-Fluorobiphenyl
 Concen: 101.88 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093296.D
 Acq: 1 Mar 2017 18:22

Tgt Ion	172	Resp	1354181
Ion Ratio	Lower	Upper	
172	100		
171	36.6	29.4	44.0
170	24.4	20.2	30.4





#45

1,1'-Biphenyl

Concen: 51.56 ng

RT: 9.28 min Scan# 629

Delta R.T. -0.05 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

Instrument :

BNA_F

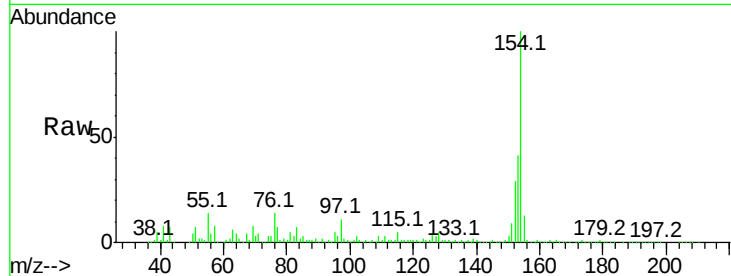
ClientSampleId :

SSP-8(3.5-5.5)MSD

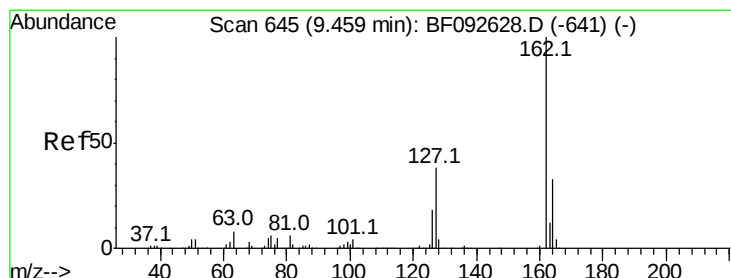
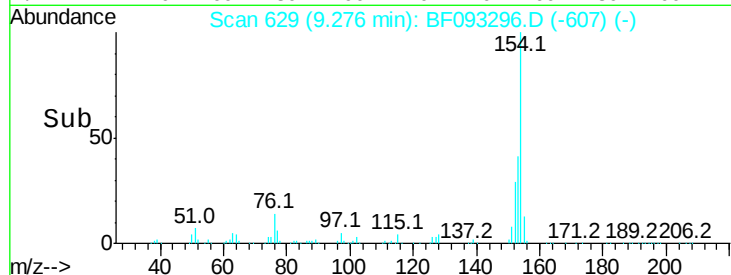
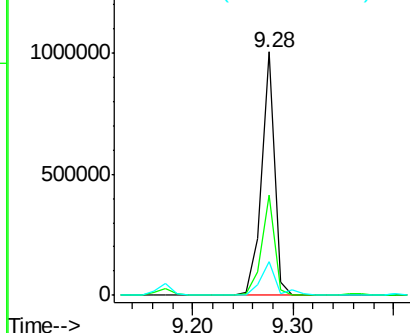
Tot Ion:	154	Resp:	899003
Ion Ratio	Lower	Upper	
154	100		
153	41.1	20.9	60.9
76	13.8	0.0	30.5

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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: 47.64 ng

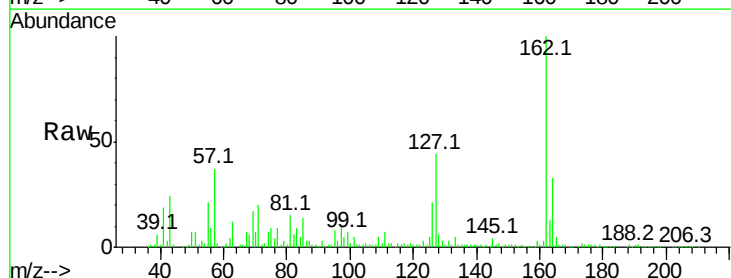
RT: 9.30 min Scan# 631

Delta R.T. -0.05 min

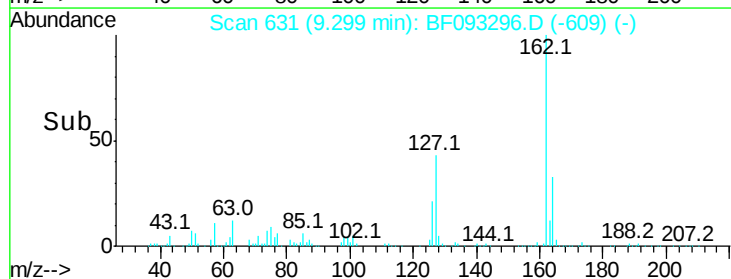
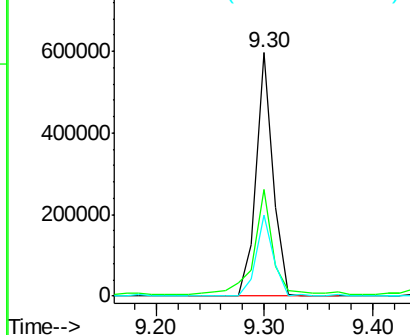
Lab File: BF093296.D

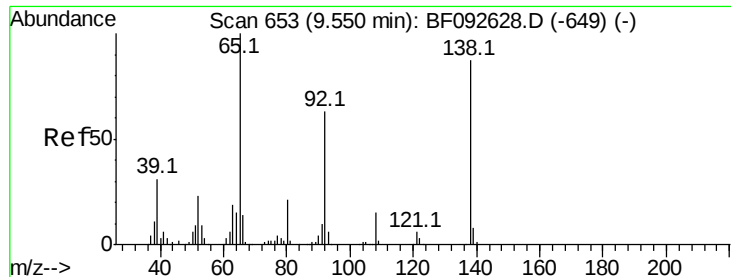
Acq: 1 Mar 2017 18:22

Tgt Ion:	162	Resp:	649857
Ion Ratio	Lower	Upper	
162	100		
127	43.6	30.7	46.1
164	33.2	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





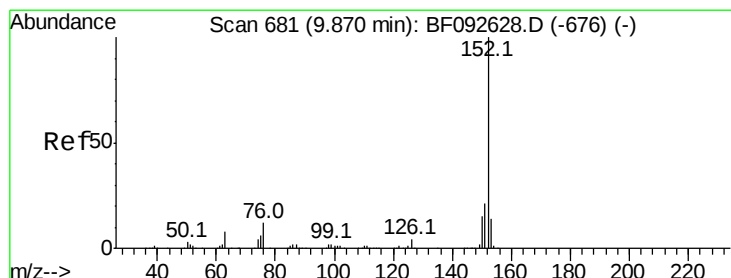
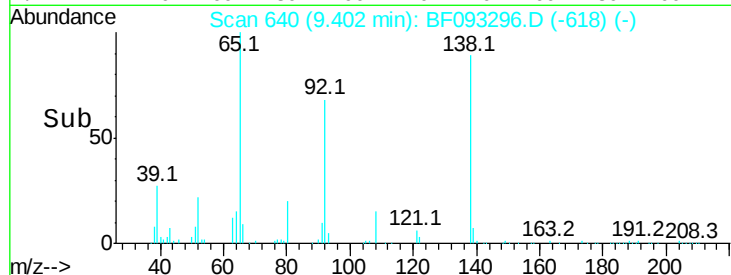
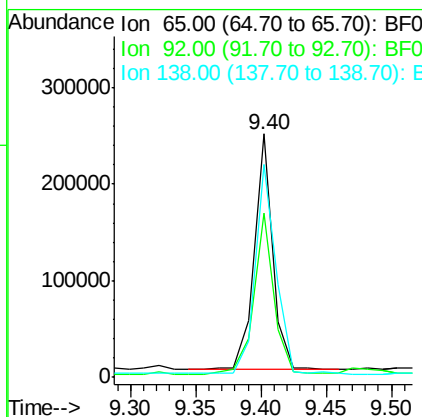
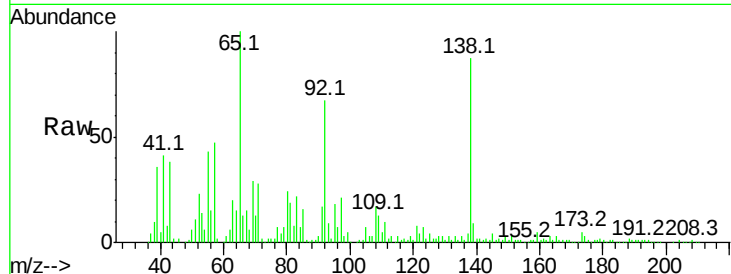
#47
2-Nitroaniline
Concen: 52.51 ng
RT: 9.40 min Scan# 640
Delta R.T. -0.05 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Instrument :
BNA_F
ClientSampleId :
SSP-8(3.5-5.5)MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	67.4	53.9	80.9
138	87.3	76.8	115.2

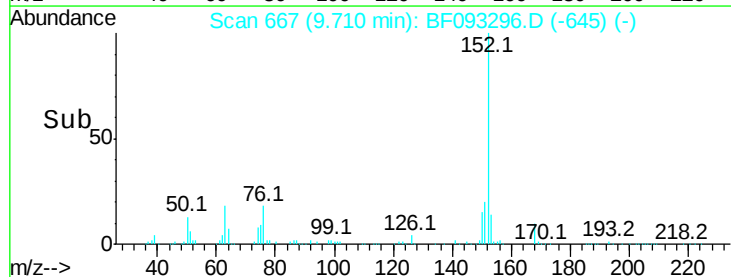
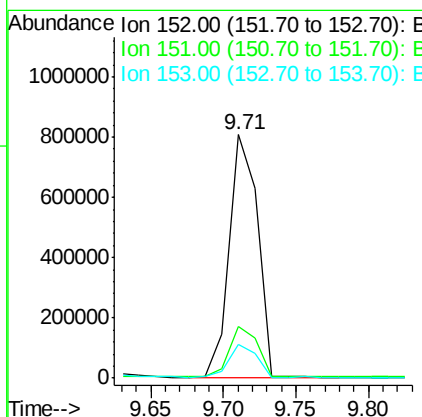
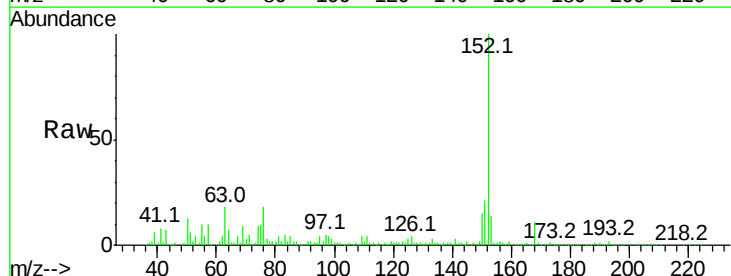
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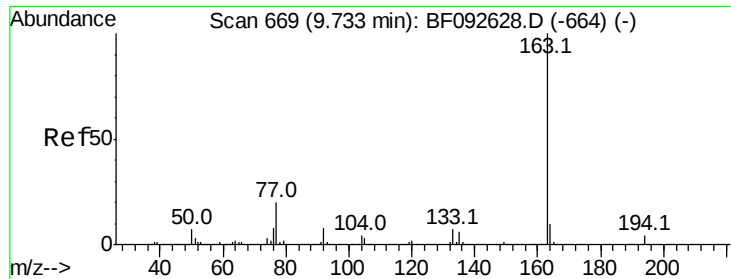
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#48
Acenaphthylene
Concen: 46.36 ng
RT: 9.71 min Scan# 667
Delta R.T. -0.05 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.9	25.3
153	13.9	11.4	17.2





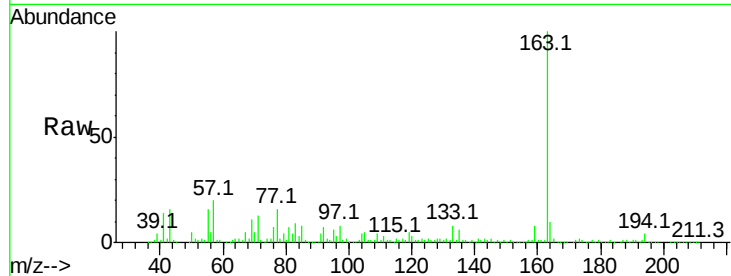
#49
Dimethylphthalate
Concen: 55.79 ng
RT: 9.58 min Scan# 656
Delta R.T. -0.03 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Instrument :
BNA_F
ClientSampleId :
SSP-8(3.5-5.5)MSD

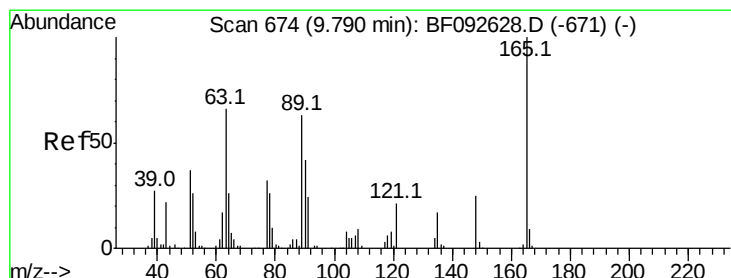
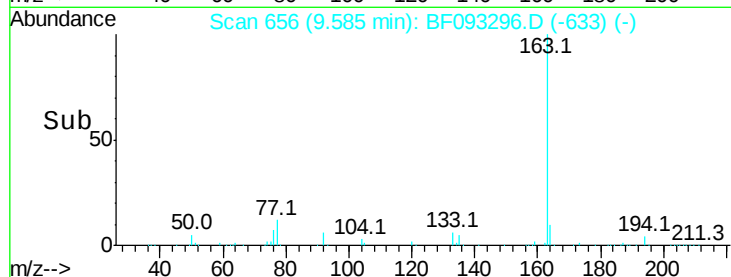
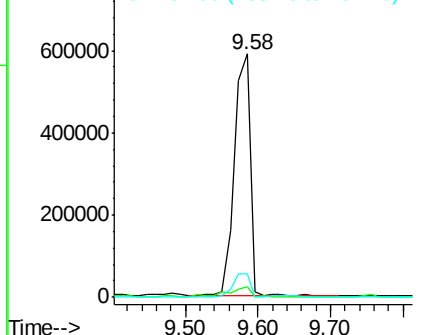
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.2	3.0	4.4	
164	9.9	8.0	12.0	

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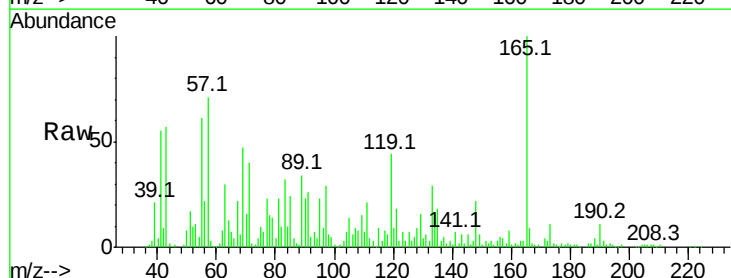


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

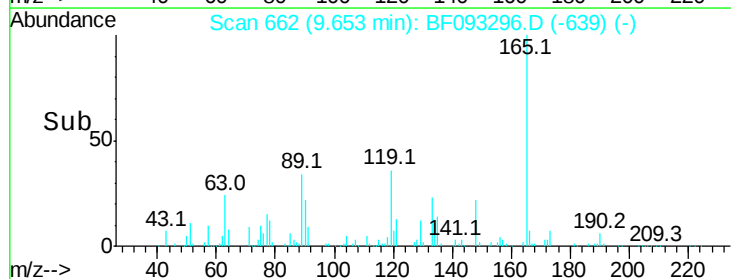
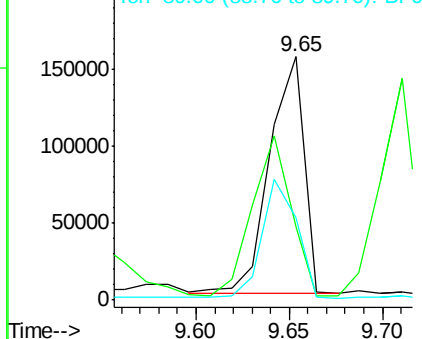


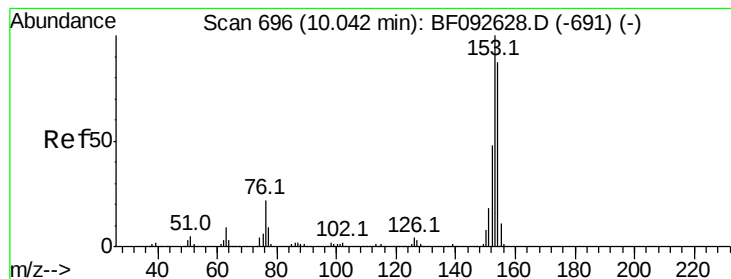
#50
2,6-Dinitrotoluene
Concen: 55.70 ng
RT: 9.65 min Scan# 662
Delta R.T. -0.03 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	30.3	36.2	54.4#	
89	33.6	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: 44.84 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.05 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

Instrument :

BNA_F

ClientSampleId :

SSP-8(3.5-5.5)MSD

Tot Ion:154 Resp: 631669

Ion Ratio Lower Upper

154 100

153 114.4 88.6 133.0

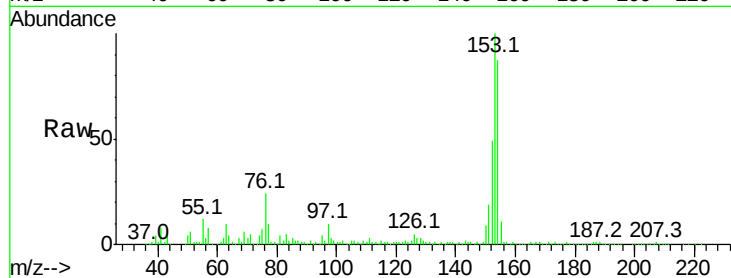
152 56.4 41.6 62.4

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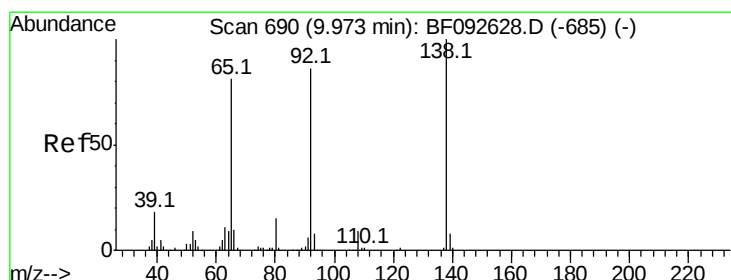
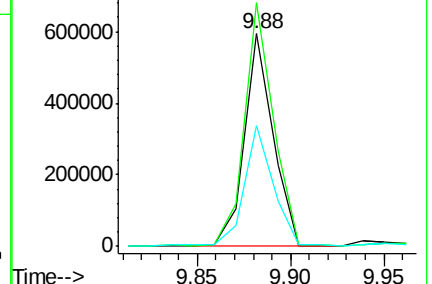
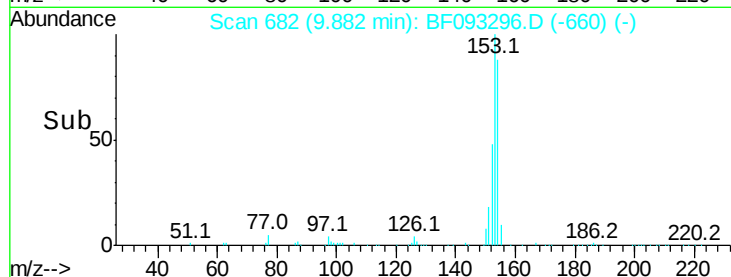
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 29.81 ng

RT: 9.81 min Scan# 676

Delta R.T. -0.05 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

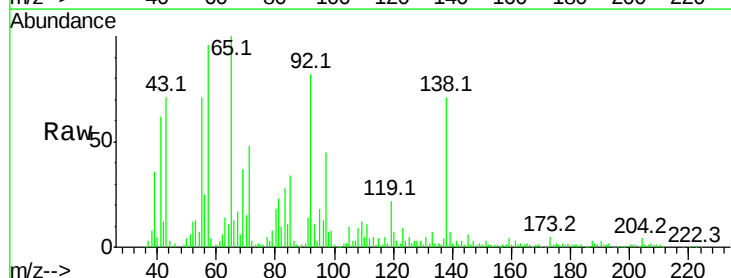
Tgt Ion:138 Resp: 119514

Ion Ratio Lower Upper

138 100

108 12.3 8.5 12.7

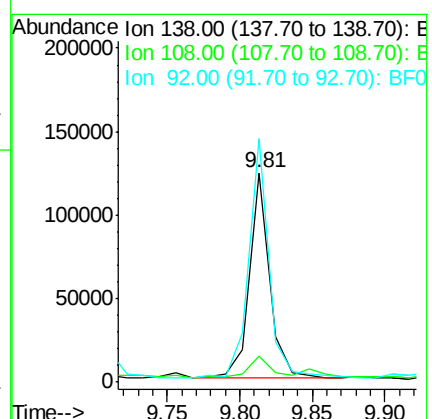
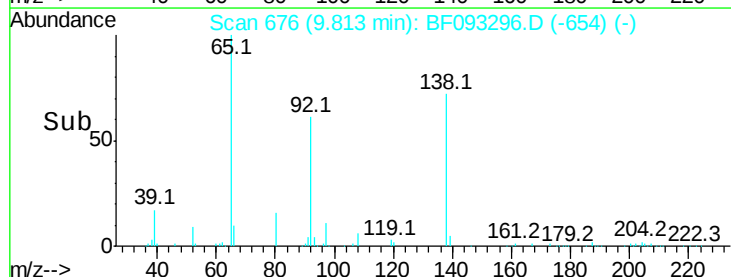
92 116.2 97.8 146.8

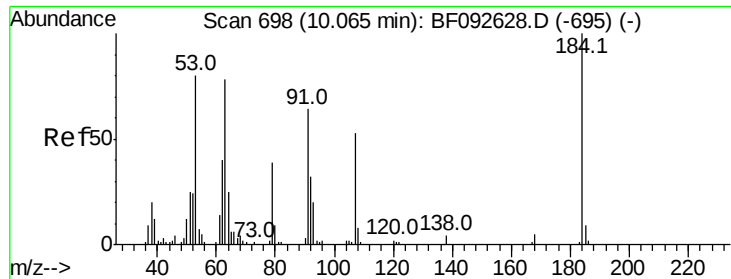


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





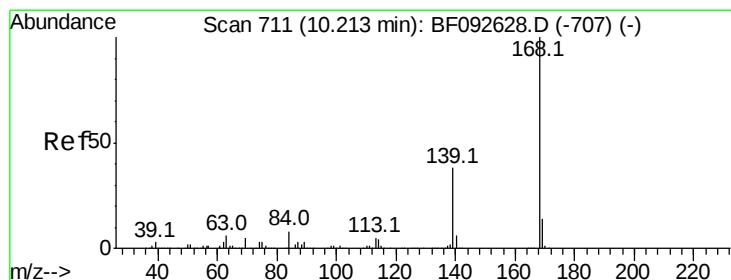
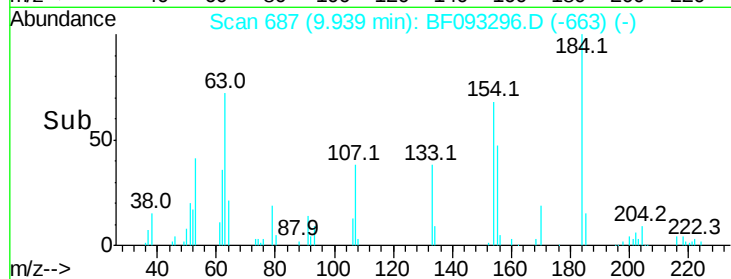
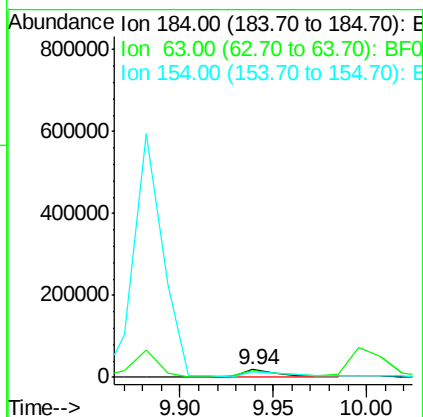
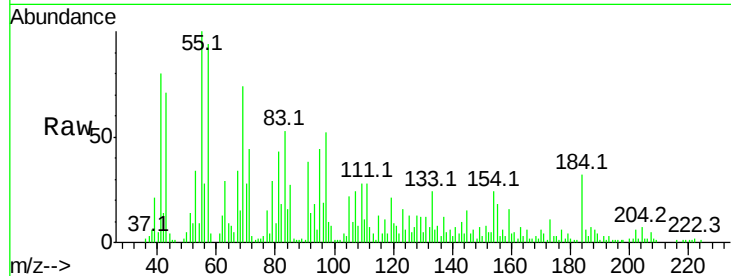
#53
2,4-Dinitrophenol
Concen: 19.90 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Instrument :
BNA_F
ClientSampleId :
SSP-8(3.5-5.5)MSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	88.3	28.4	42.6#
154	75.8	44.3	66.5#

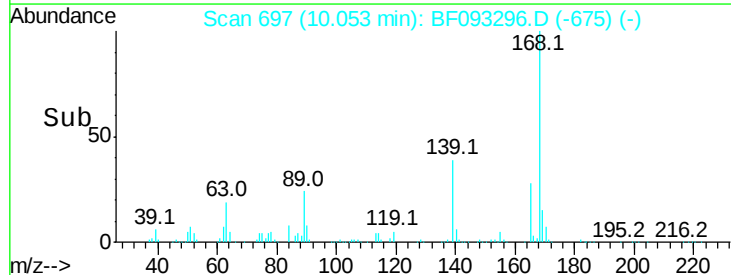
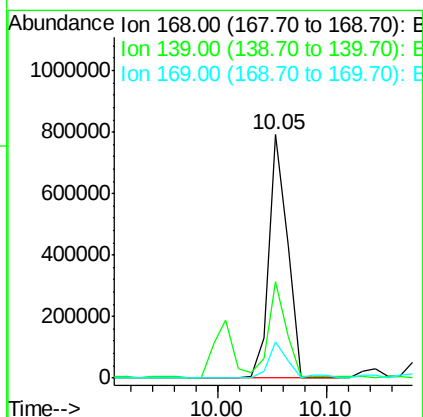
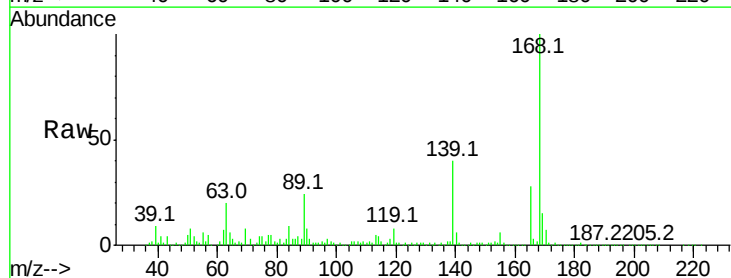
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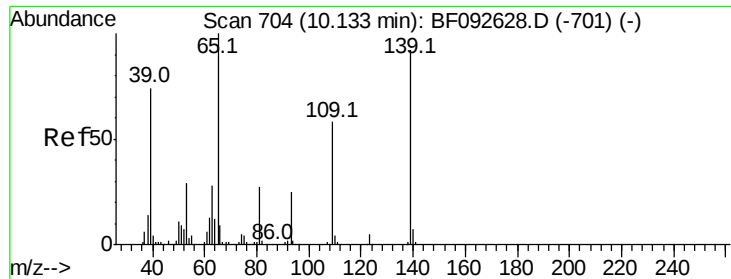
mohammad
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#54
Dibenzofuran
Concen: 49.38 ng
RT: 10.05 min Scan# 697
Delta R.T. -0.05 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.6	32.6	49.0
169	14.9	11.3	16.9





#55

4-Nitrophenol

Concen: 79.24 ng

RT: 10.01 min Scan# 693

Delta R.T. -0.01 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

Instrument :

BNA_F

ClientSampleId :

SSP-8(3.5-5.5)MSD

Tot Ion:139 Resp: 228777

Ion Ratio Lower Upper

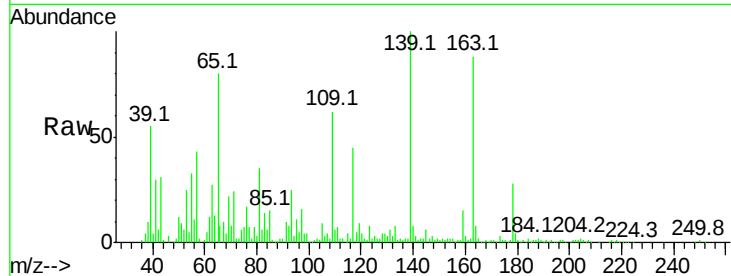
139 100

109 61.7 52.2 92.2

65 79.9 85.8 125.8#

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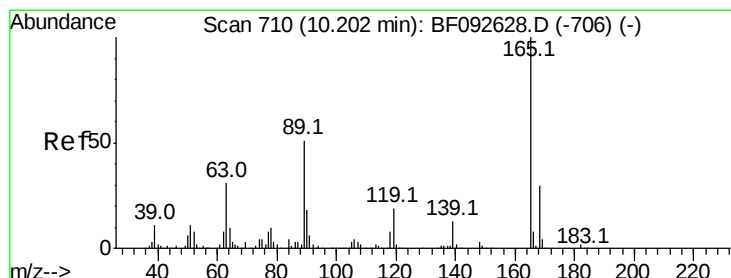
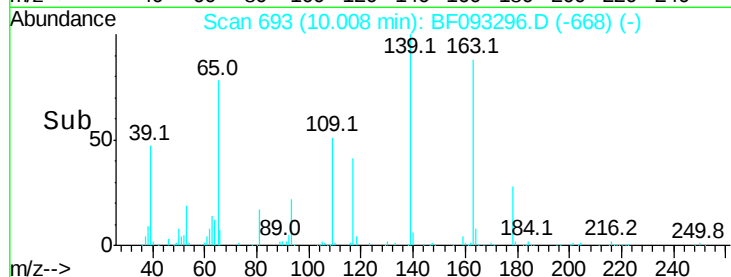
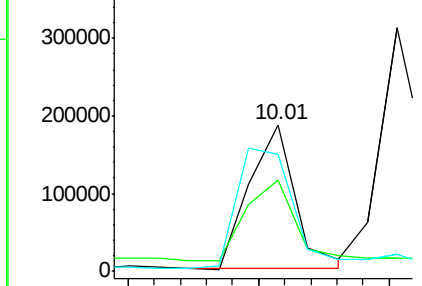
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Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 46.75 ng

RT: 10.05 min Scan# 697

Delta R.T. -0.03 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

Tgt Ion:165 Resp: 218000

Ion Ratio Lower Upper

165 100

63 72.1 40.2 60.4#

89 85.4 62.5 93.7

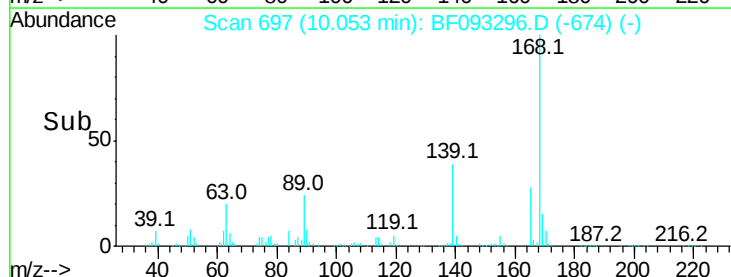
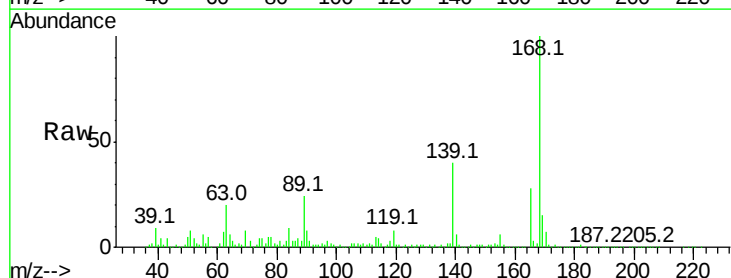
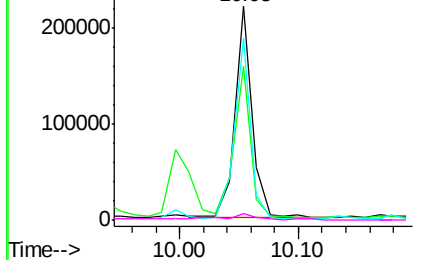
182 3.0 1.8 2.8#

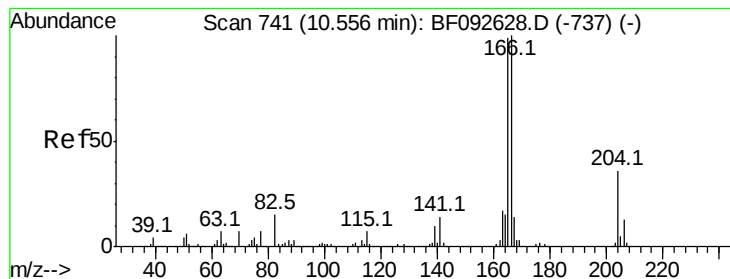
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 51.56 ng

RT: 10.40 min Scan# 727

Delta R.T. -0.05 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

Instrument :

BNA_F

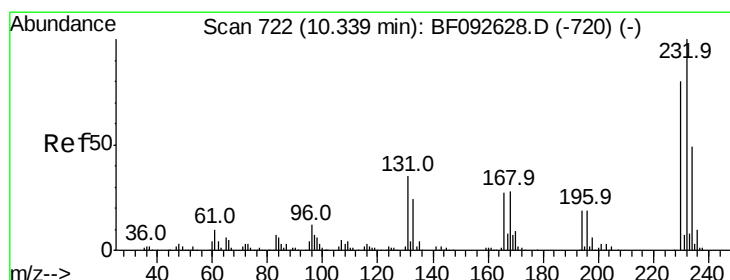
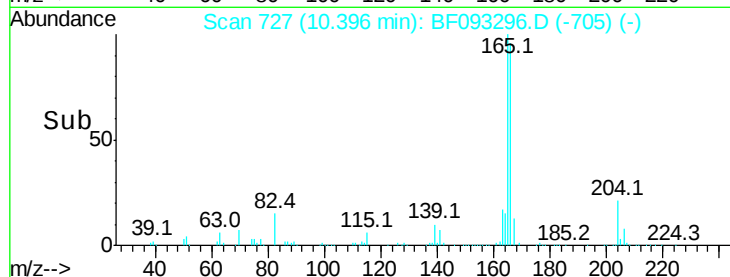
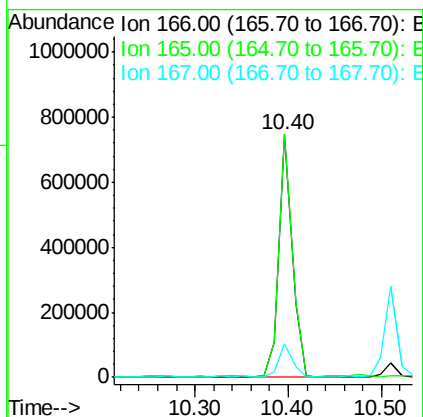
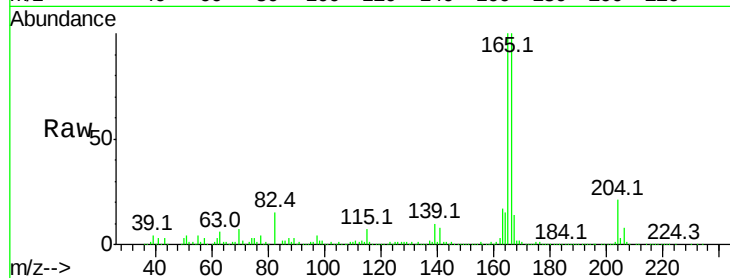
ClientSampleId :

SSP-8(3.5-5.5)MSD

Tot Ion:	166	Resp:	747451
Ion Ratio	Lower	Upper	
166	100		
165	100.4	77.8	116.8
167	13.9	10.8	16.2

Manual Integrations
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#58

2,3,4,6-Tetrachlorophenol

Concen: 56.35 ng

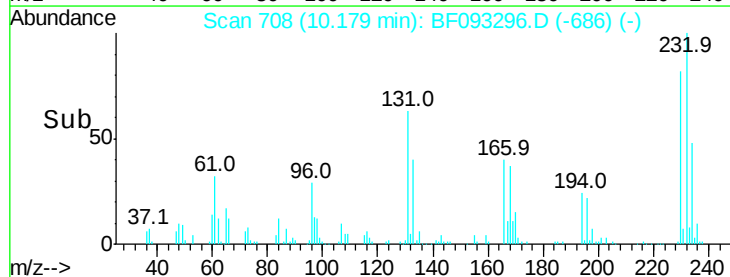
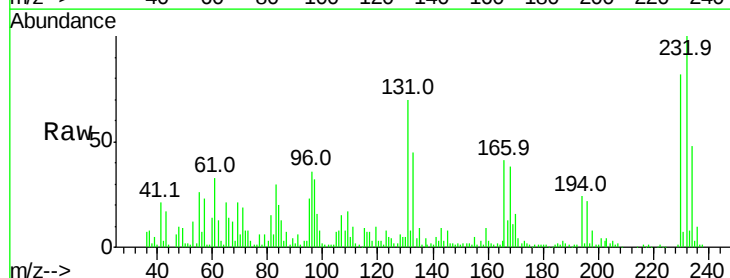
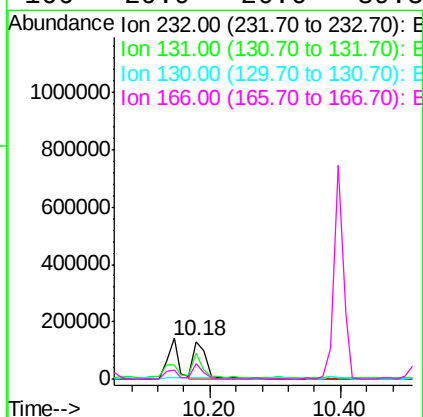
RT: 10.18 min Scan# 708

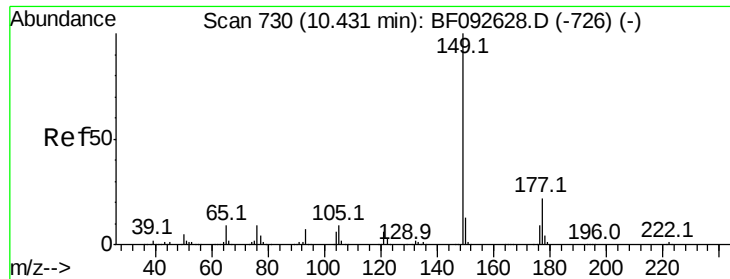
Delta R.T. -0.05 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

Tgt Ion:	232	Resp:	182954
Ion Ratio	Lower	Upper	
232	100		
131	53.8	40.1	60.1
130	3.6	1.8	2.8#
166	29.9	26.6	39.8





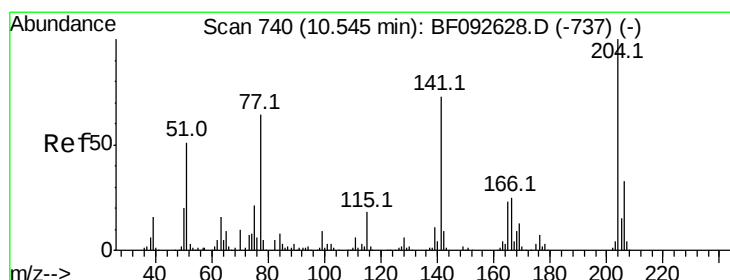
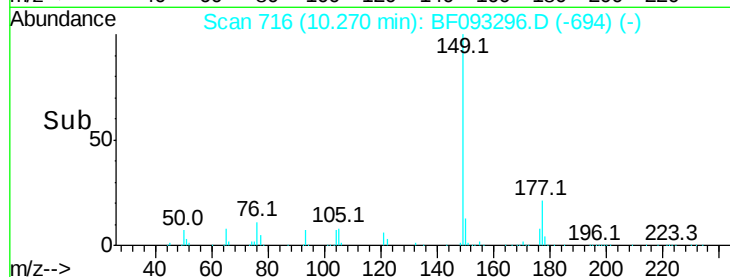
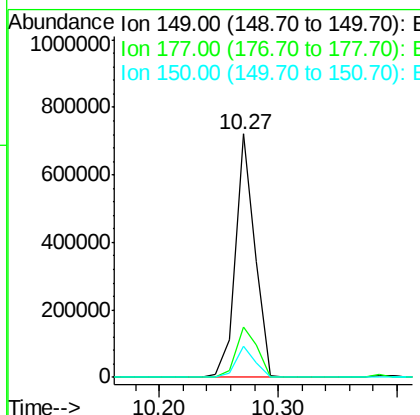
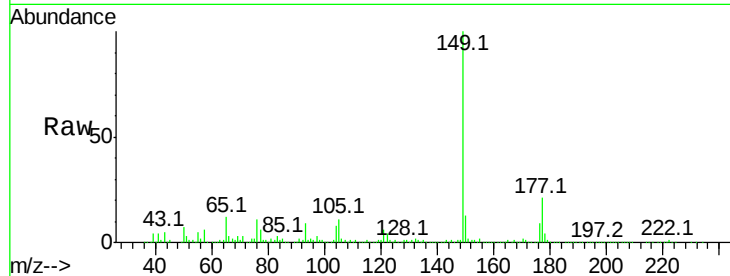
#59
Diethylphthalate
Concen: 52.90 ng
RT: 10.27 min Scan# 716
Delta R.T. -0.05 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Instrument :
BNA_F
ClientSampleId :
SSP-8(3.5-5.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	808621		
177	20.9	16.6	25.0	
150	12.9	10.4	15.6	

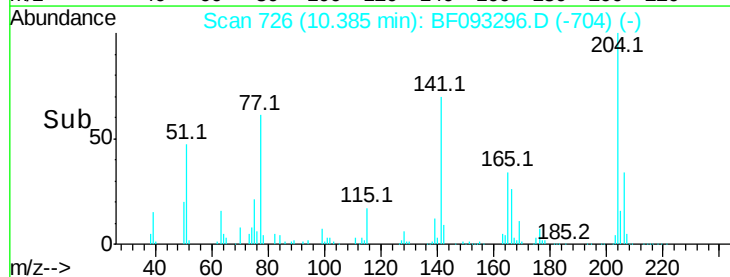
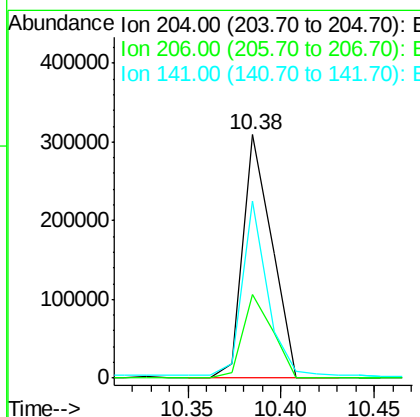
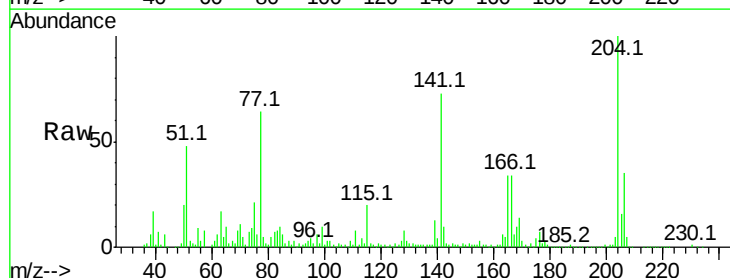
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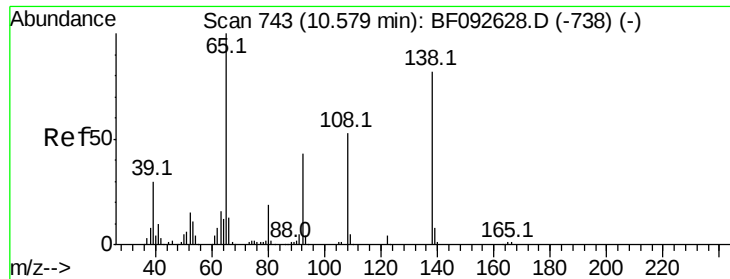
mohammad
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#60
4-Chlorophenyl-phenylether
Concen: 47.79 ng
RT: 10.38 min Scan# 726
Delta R.T. -0.05 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	332838		
206	34.6	25.8	38.6	
141	72.5	59.4	89.0	





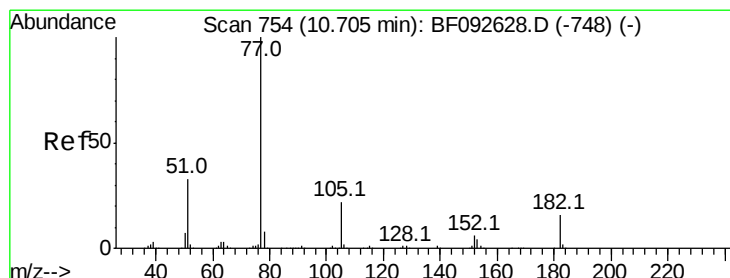
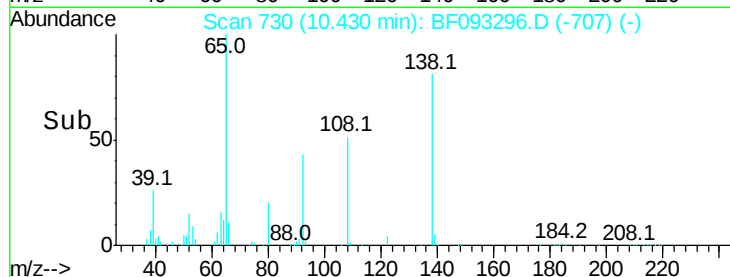
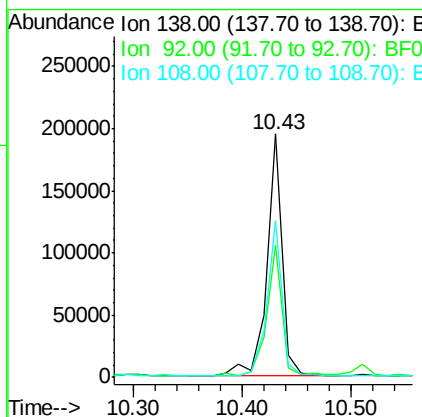
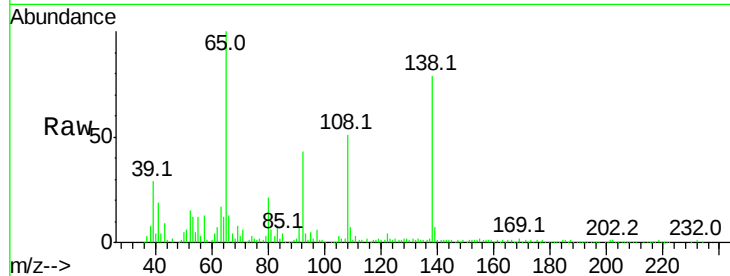
#61
4-Nitroaniline
Concen: 47.04 ng
RT: 10.43 min Scan# 730
Delta R.T. -0.03 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Instrument :
BNA_F
ClientSampleId :
SSP-8(3.5-5.5)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	54.2	31.7	71.7
108	64.4	52.6	92.6

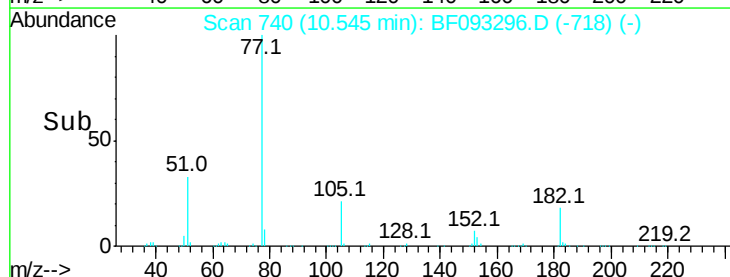
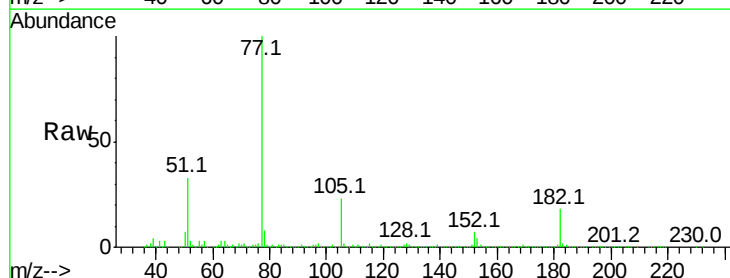
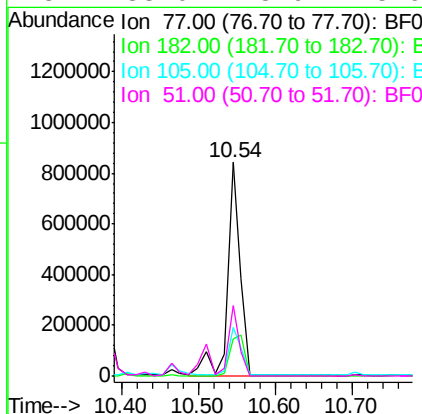
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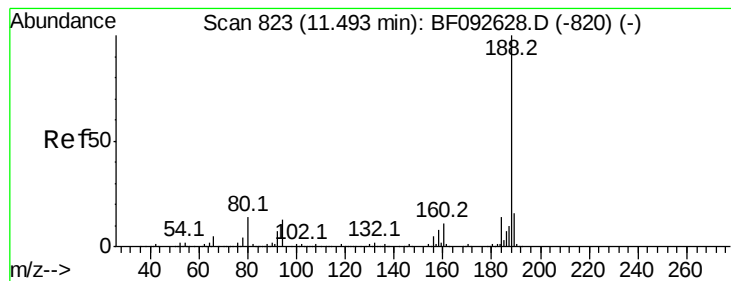
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#62
Azobenzene
Concen: 63.04 ng
RT: 10.54 min Scan# 740
Delta R.T. -0.05 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Tgt Ion	Ratio	Lower	Upper
77	100		
182	17.6	0.0	39.3
105	22.6	2.3	42.3
51	33.0	8.9	48.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.33 min Scan# 809

Delta R.T. -0.05 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

Instrument :

BNA_F

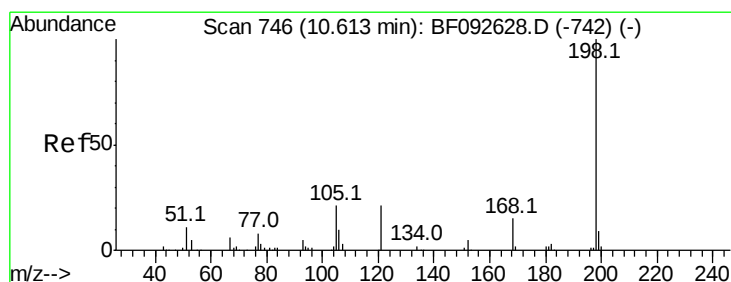
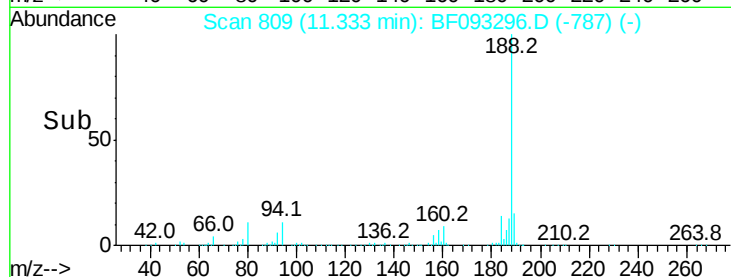
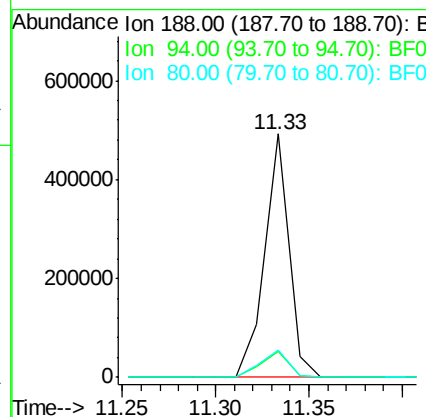
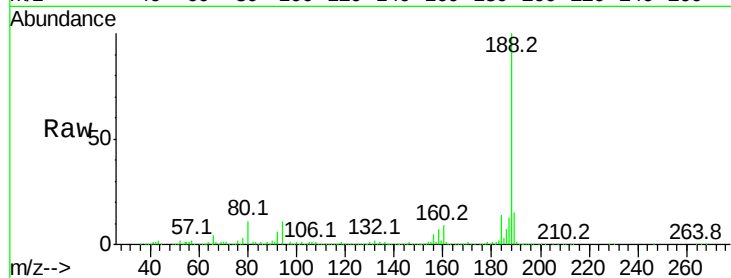
ClientSampleId :

SSP-8(3.5-5.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100	441907		
94	10.8	10.0	15.0	
80	11.1	11.2	16.8#	

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#64

4,6-Dinitro-2-methylphenol

Concen: 31.33 ng

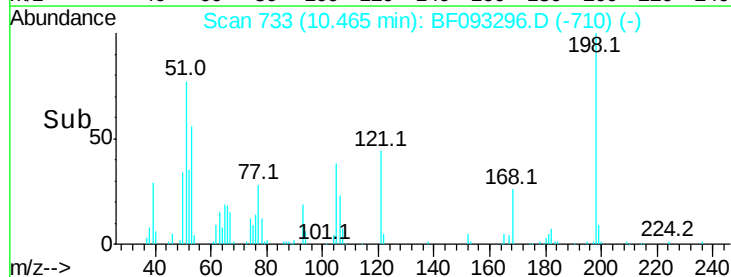
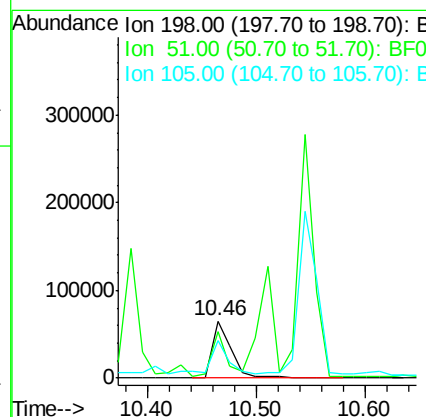
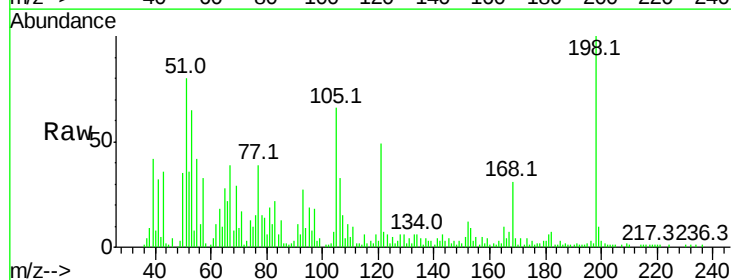
RT: 10.46 min Scan# 733

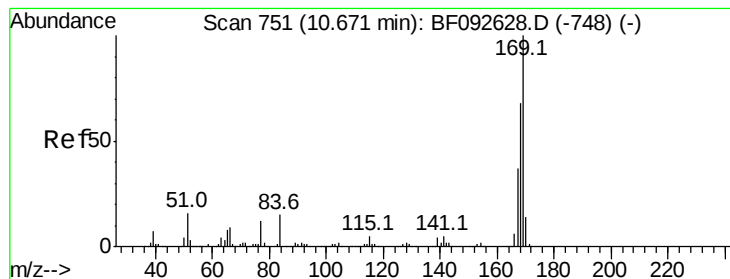
Delta R.T. -0.03 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	81620		
51	80.3	6.7	46.7#	
105	65.9	16.6	56.6#	





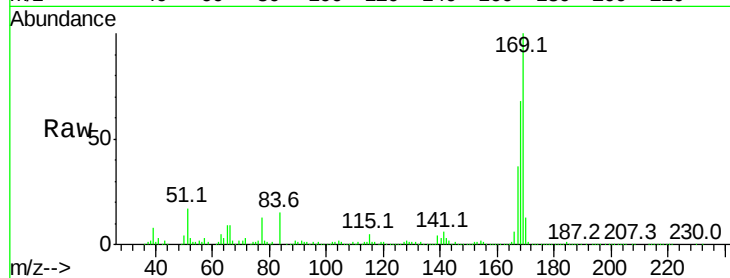
#65
n-Nitrosodiphenylamine
Concen: 50.12 ng
RT: 10.51 min Scan# 737
Delta R.T. -0.05 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Instrument :
BNA_F
ClientSampleId :
SSP-8(3.5-5.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
169	100	707593		
168	67.7		54.2	81.2
167	37.4		30.2	45.4

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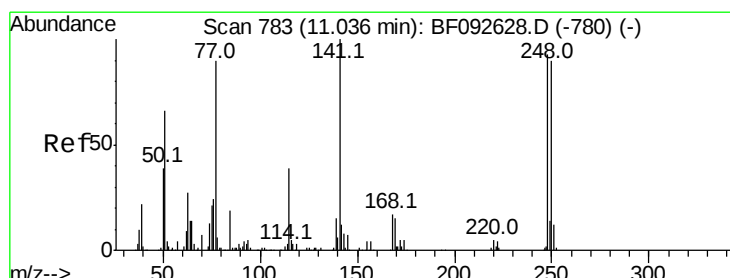
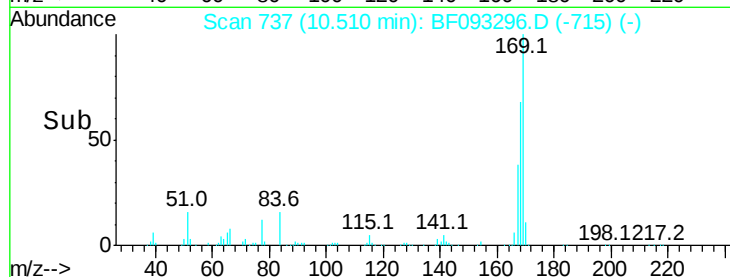
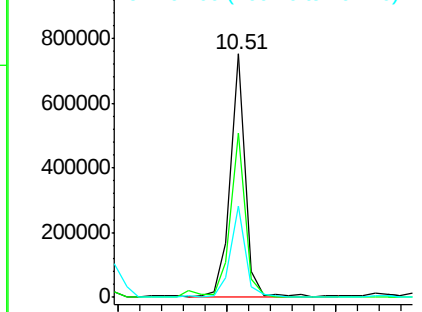


Abundance

Ion 169.00 (168.70 to 169.70): E

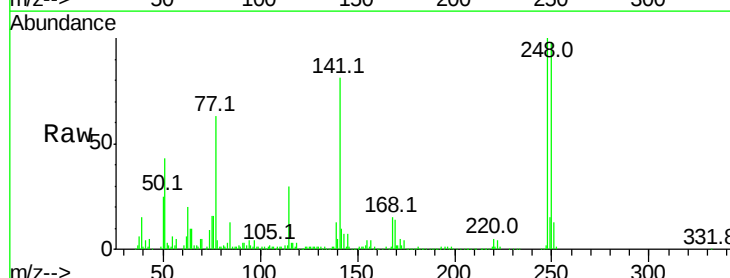
Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66
4-Bromophenyl-phenylether
Concen: 47.46 ng
RT: 10.88 min Scan# 769
Delta R.T. -0.05 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	219136		
250	97.8		76.9	115.3
141	81.3		68.2	102.4

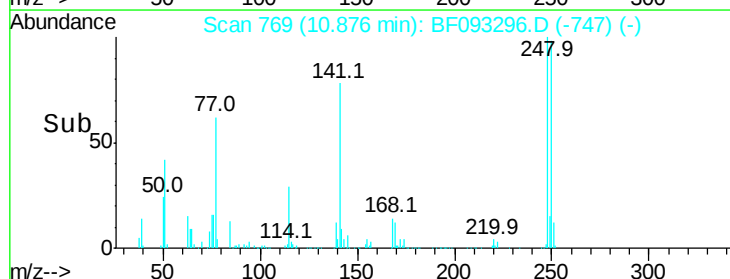
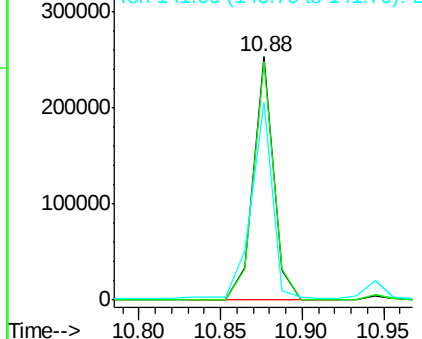


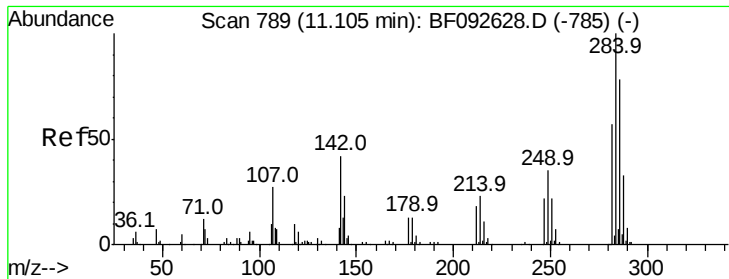
Abundance

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: 44.01 ng

RT: 10.94 min Scan# 775

Delta R.T. -0.05 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

Instrument :

BNA_F

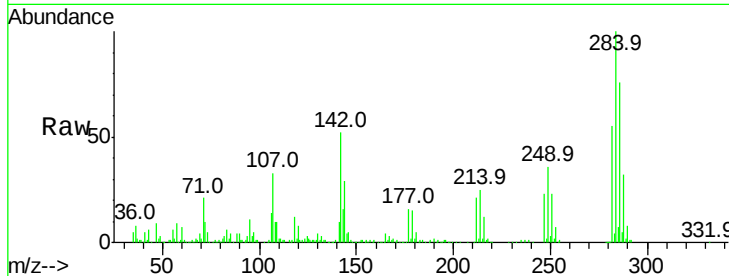
ClientSampleId :

SSP-8(3.5-5.5)MSD

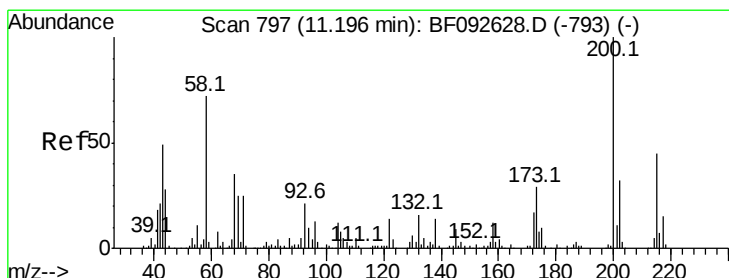
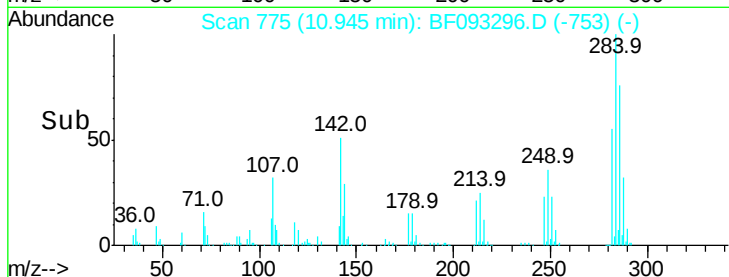
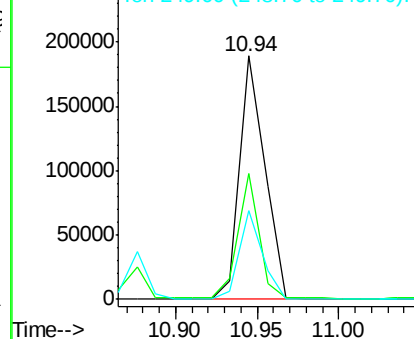
Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	51.8	22.6	33.8#	
249	36.5	25.4	38.0	

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Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 49.59 ng

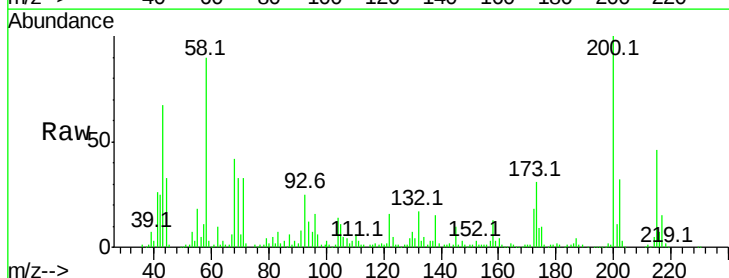
RT: 11.04 min Scan# 783

Delta R.T. -0.05 min

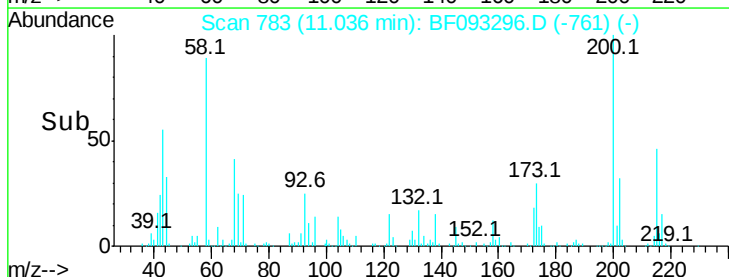
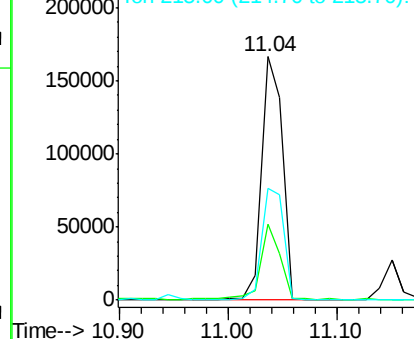
Lab File: BF093296.D

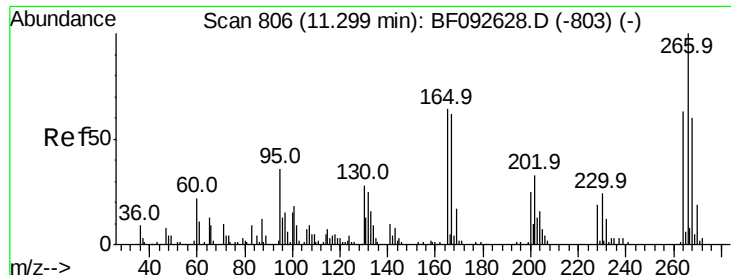
Acq: 1 Mar 2017 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	31.0	9.6	49.6	
215	46.1	25.7	65.7	



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





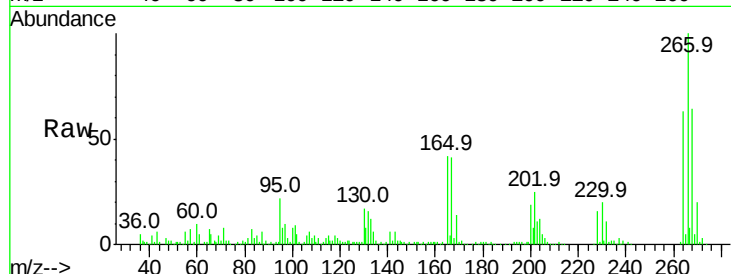
#69
 Pentachlorophenol
 Concen: 72.73 ng
 RT: 11.15 min Scan# 793
 Delta R.T. -0.03 min
 Lab File: BF093296.D
 Acq: 1 Mar 2017 18:22

Instrument :
 BNA_F
 ClientSampleId :
 SSP-8(3.5-5.5)MSD

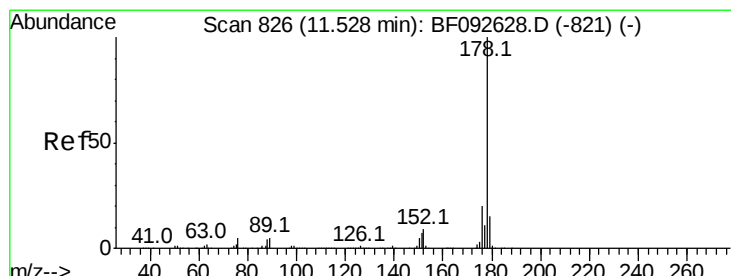
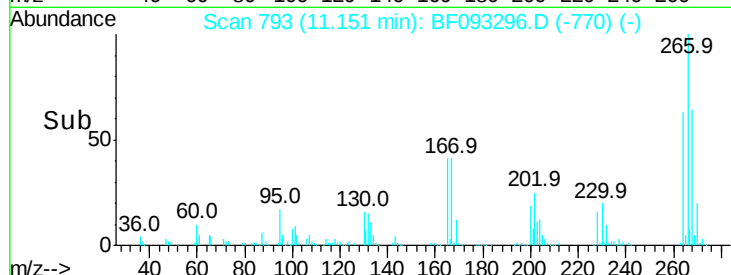
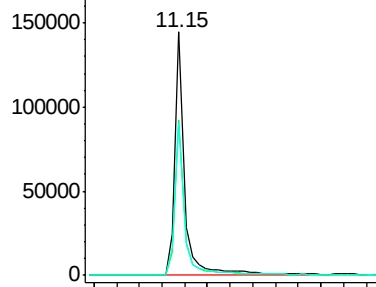
Tot Ion	Ratio	Resp	Lower	Upper
266	100	169613		
268	63.6	53.3	79.9	
264	62.7	50.3	75.5	

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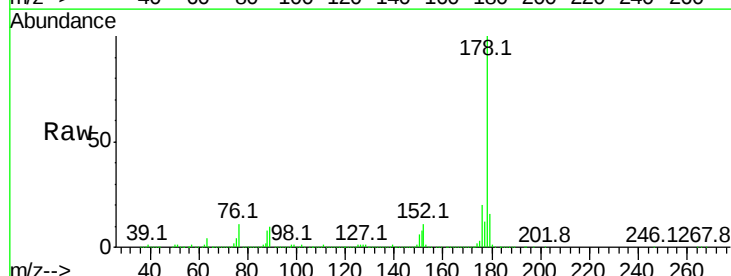


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

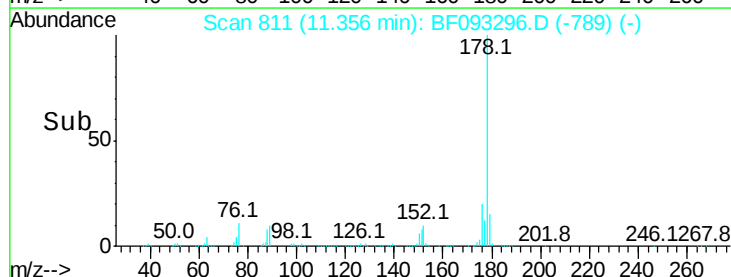
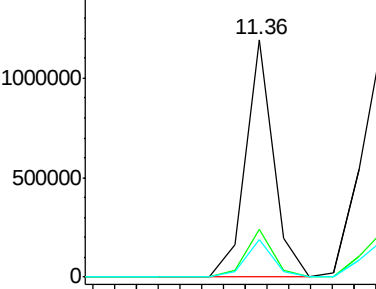


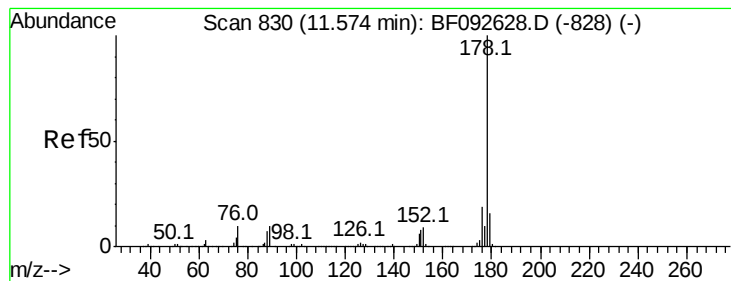
#70
 Phenanthrene
 Concen: 42.20 ng
 RT: 11.36 min Scan# 811
 Delta R.T. -0.05 min
 Lab File: BF093296.D
 Acq: 1 Mar 2017 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1068494		
176	19.9	16.6	25.0	
179	15.6	12.8	19.2	



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





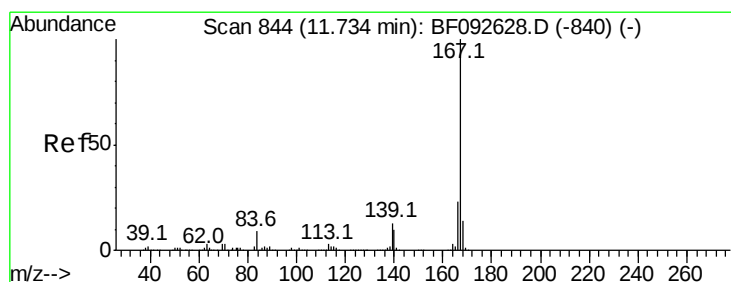
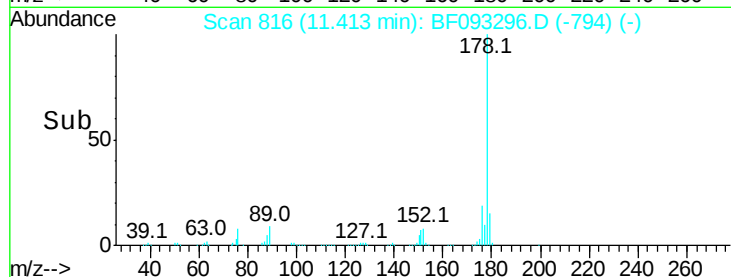
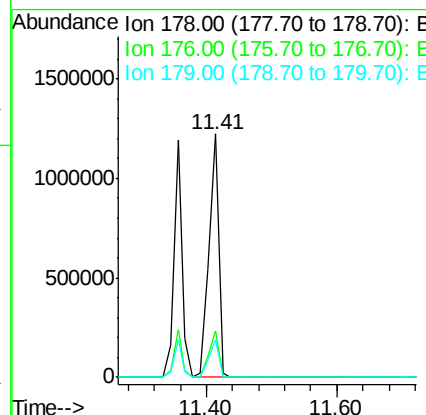
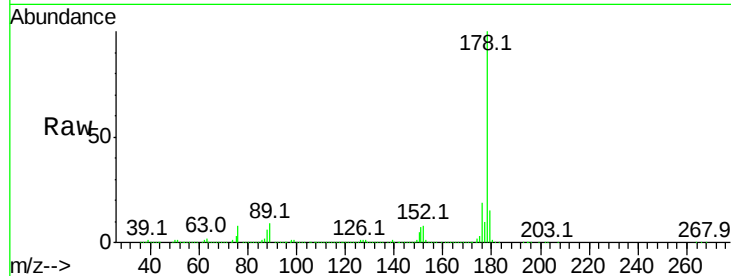
#71
 Anthracene
 Concen: 49.17 ng
 RT: 11.41 min Scan# 816
 Delta R.T. -0.05 min
 Lab File: BF093296.D
 Acq: 1 Mar 2017 18:22

Instrument :
 BNA_F
 ClientSampleId :
 SSP-8(3.5-5.5)MSD

Tot Ion:178 Resp: 1250146
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.9 23.9
 179 15.4 13.2 19.8

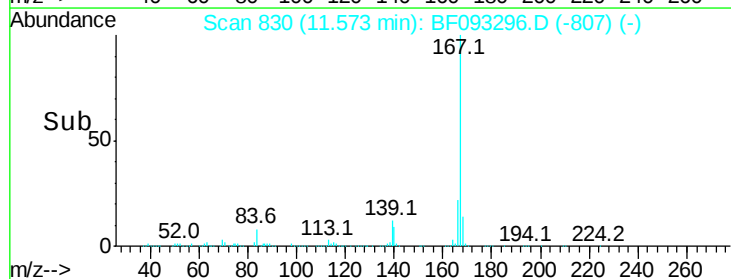
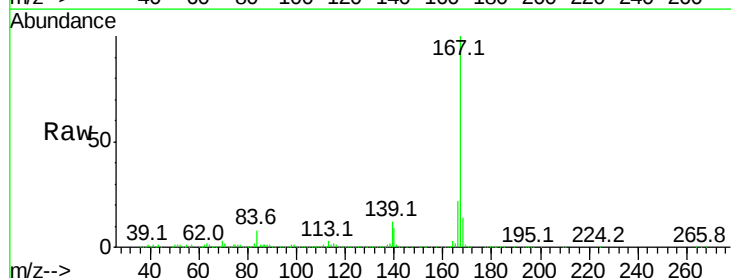
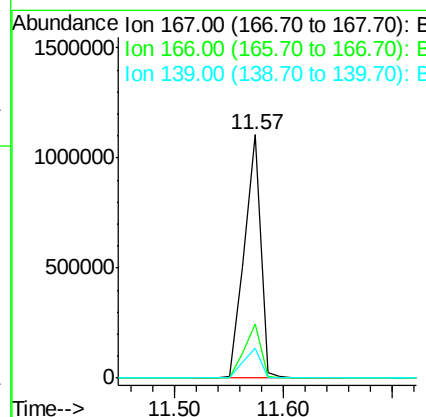
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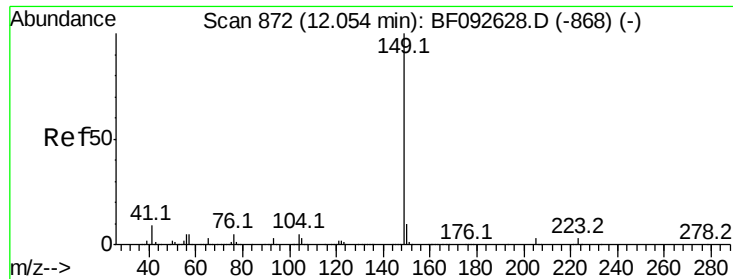
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#72
 Carbazole
 Concen: 46.43 ng
 RT: 11.57 min Scan# 830
 Delta R.T. -0.03 min
 Lab File: BF093296.D
 Acq: 1 Mar 2017 18:22

Tgt Ion:167 Resp: 1128399
 Ion Ratio Lower Upper
 167 100
 166 22.3 18.2 27.2
 139 12.3 11.4 17.2





#73

Di-n-butylphthalate

Concen: 51.05 ng

RT: 11.89 min Scan# 858

Delta R.T. -0.05 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

Instrument :

BNA_F

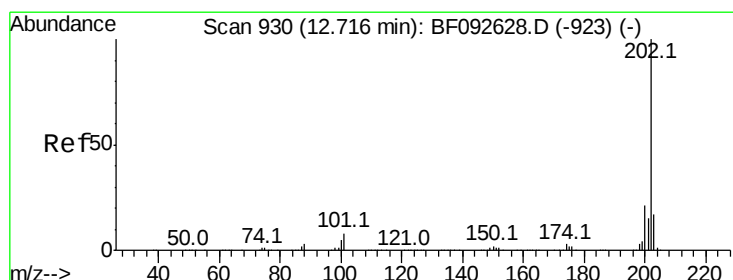
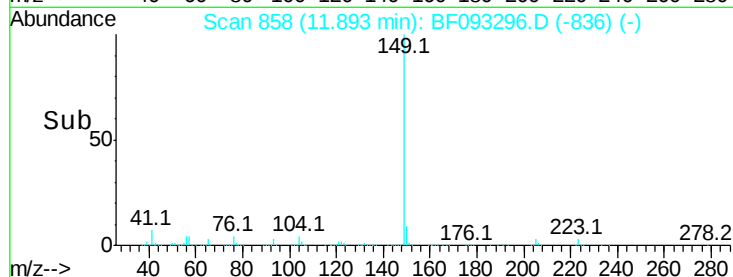
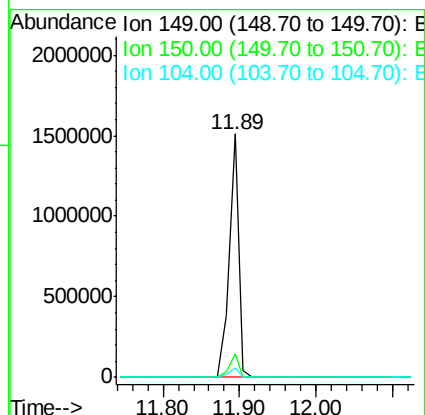
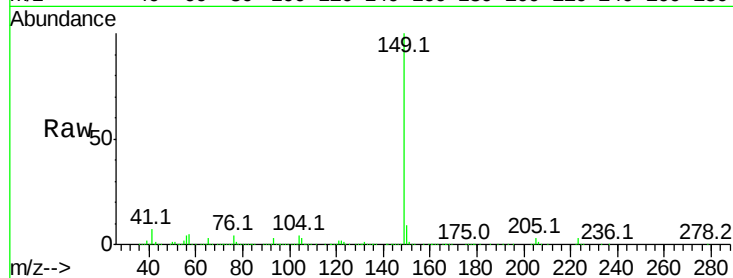
ClientSampleId :

SSP-8(3.5-5.5)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
150	9.4	8.1	12.1
104	4.1	4.6	7.0

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#74

Fluoranthene

Concen: 41.73 ng

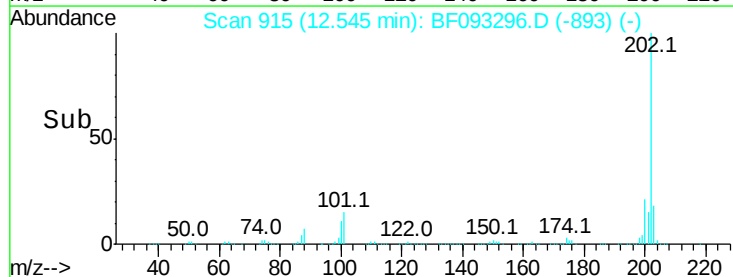
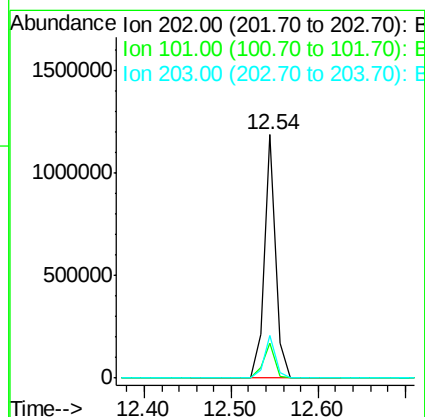
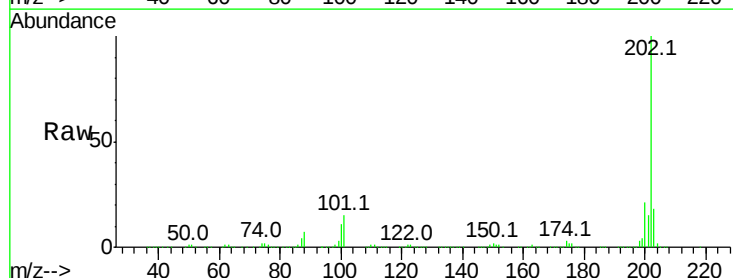
RT: 12.54 min Scan# 915

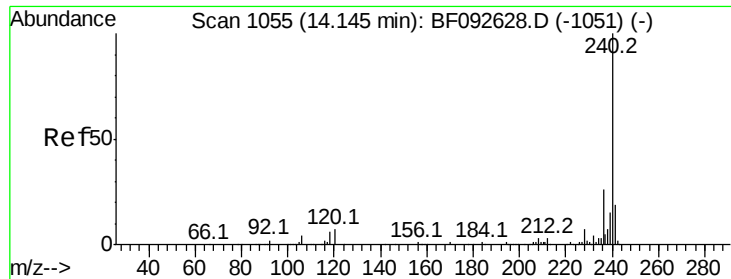
Delta R.T. -0.05 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.5	0.0	34.6
203	17.7	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.05 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

Instrument :

BNA_F

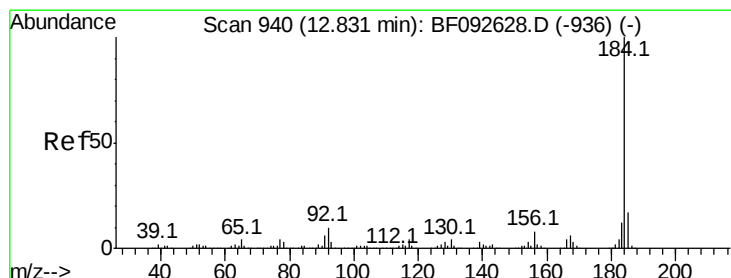
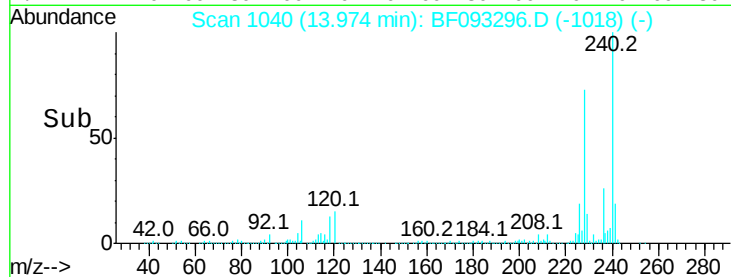
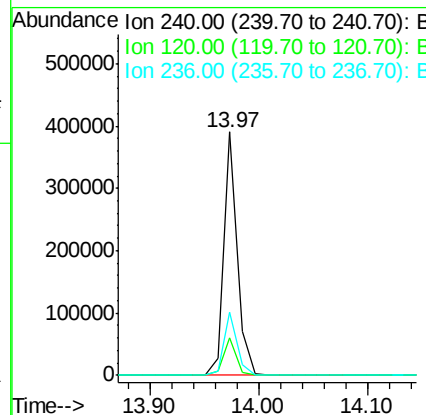
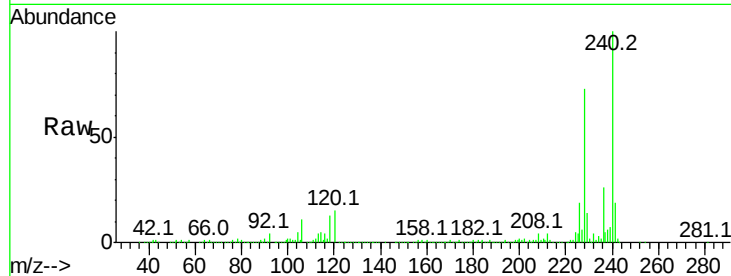
ClientSampleId :

SSP-8(3.5-5.5)MSD

Tot Ion:	240	Resp:	337650
Ion Ratio	Lower	Upper	
240	100		
120	15.2	12.9	19.3
236	26.0	20.9	31.3

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#76

Benzidine

Concen: 24.71 ng

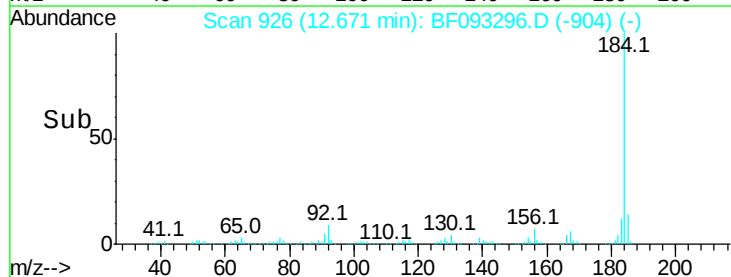
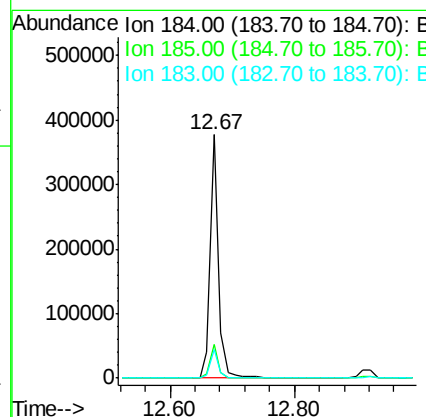
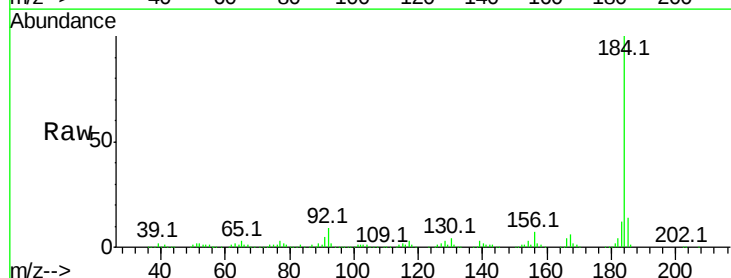
RT: 12.67 min Scan# 926

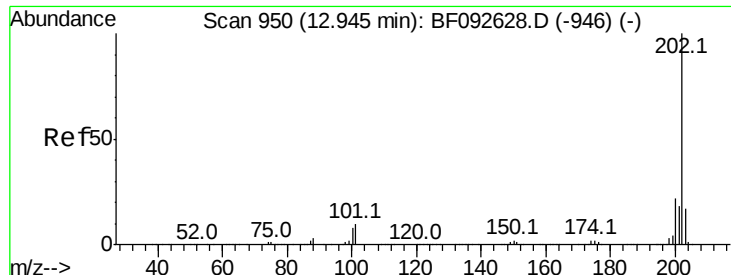
Delta R.T. -0.05 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

Tgt Ion:	184	Resp:	355485
Ion Ratio	Lower	Upper	
184	100		
185	14.1	13.4	20.0
183	11.9	9.2	13.8





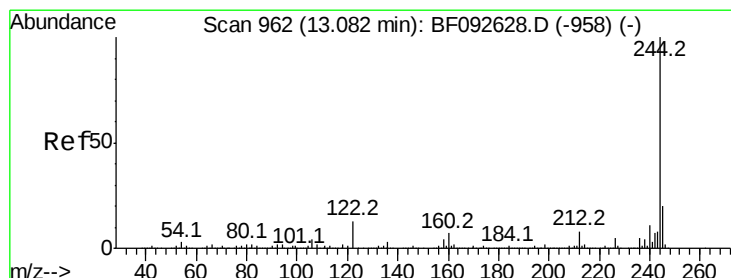
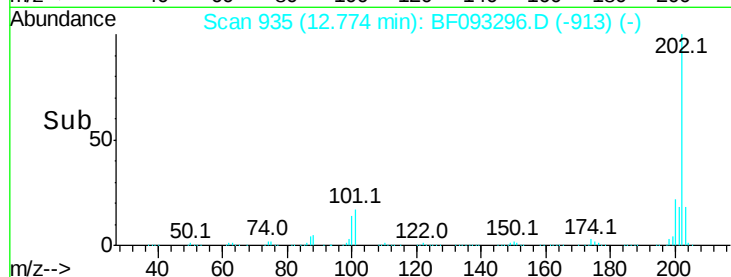
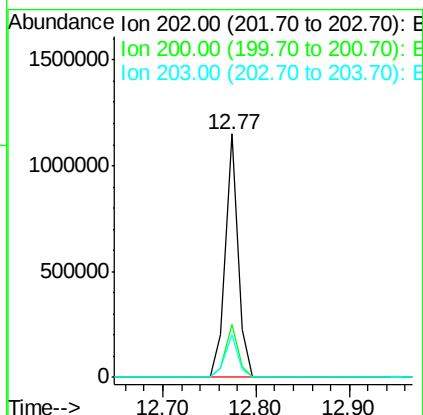
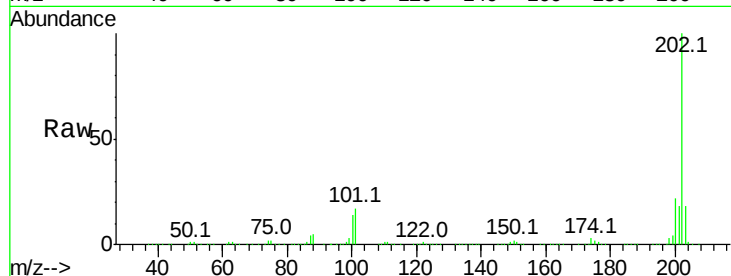
#77
Pvrene
Concen: 43.15 ng
RT: 12.77 min Scan# 935
Delta R.T. -0.05 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Instrument :
BNA_F
ClientSampleId :
SSP-8(3.5-5.5)MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.7	26.5
203	17.7	14.7	22.1

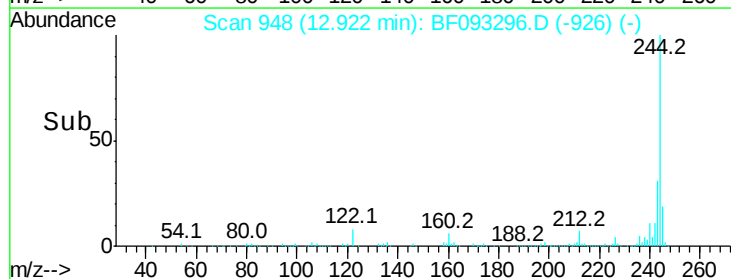
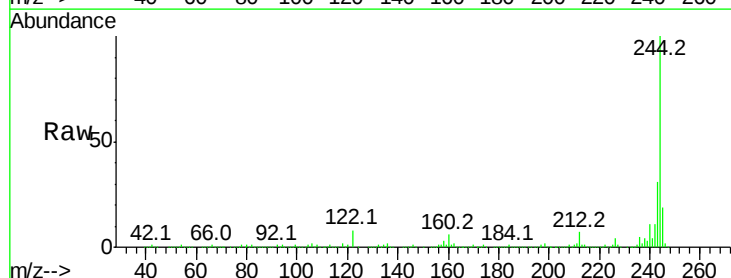
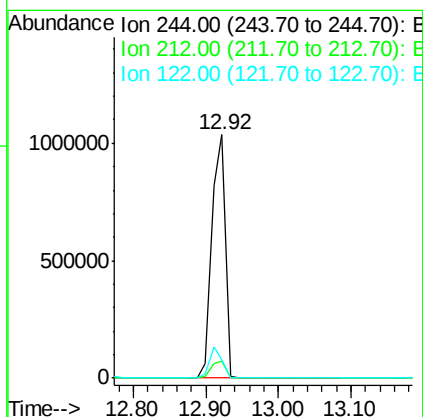
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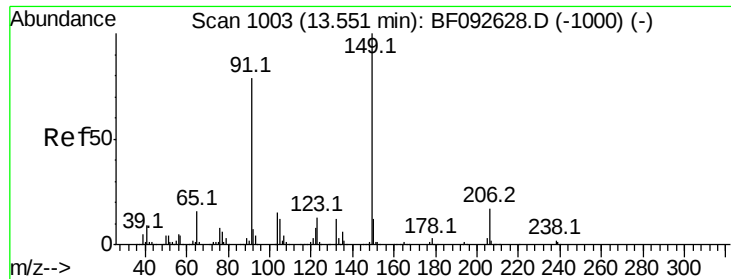
mohammad
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#78
Terphenyl-d14
Concen: 92.43 ng
RT: 12.92 min Scan# 948
Delta R.T. -0.05 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.2	9.2
122	7.7	11.4	17.2#





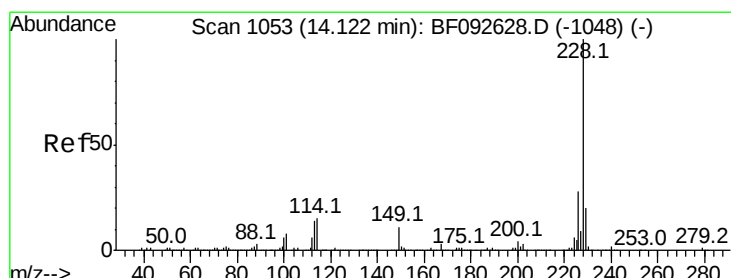
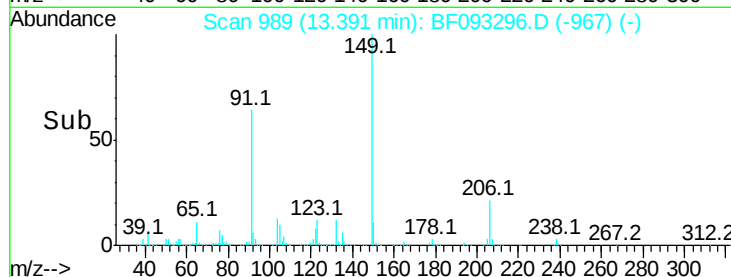
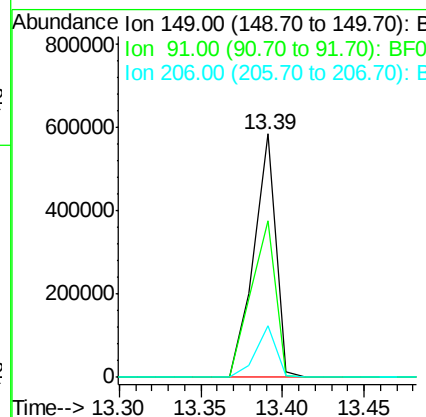
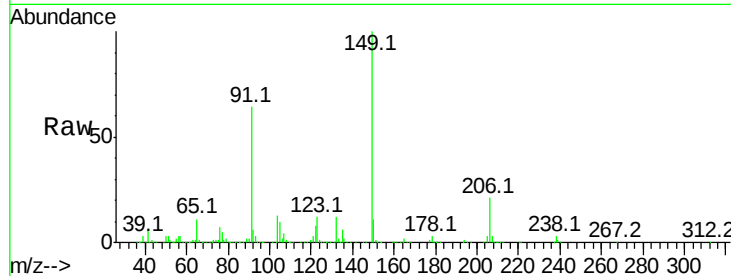
#79
Butylbenzylphthalate
Concen: 53.65 ng
RT: 13.39 min Scan# 989
Delta R.T. -0.05 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Instrument :
BNA_F
ClientSampleId :
SSP-8(3.5-5.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	550530		
91	64.3		63.9	95.9
206	21.0		14.6	21.8

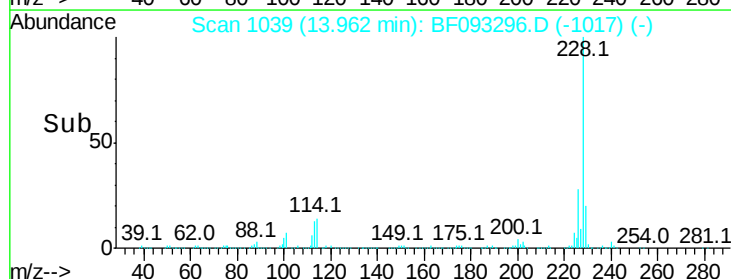
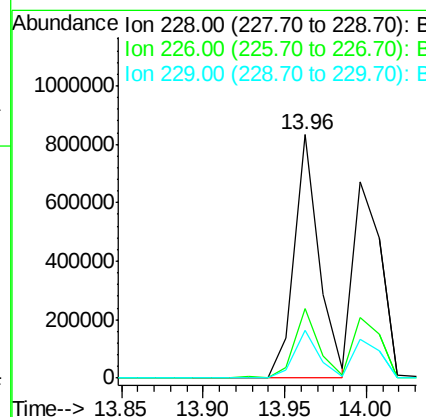
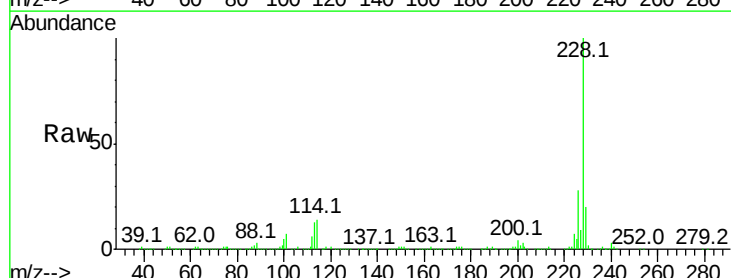
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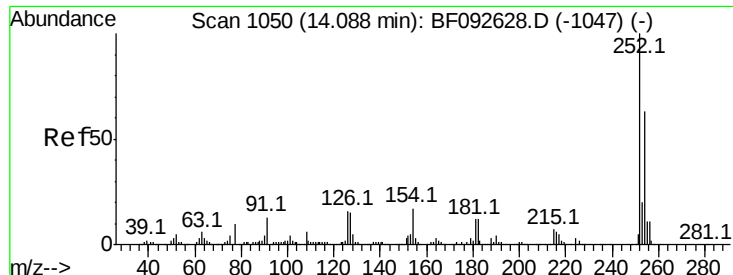
mohammad
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#80
Benzo(a)anthracene
Concen: 42.91 ng
RT: 13.96 min Scan# 1039
Delta R.T. -0.05 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	886162		
226	28.3		22.4	33.6
229	19.8		16.2	24.4





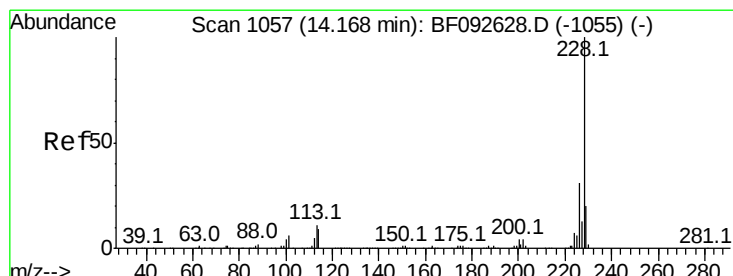
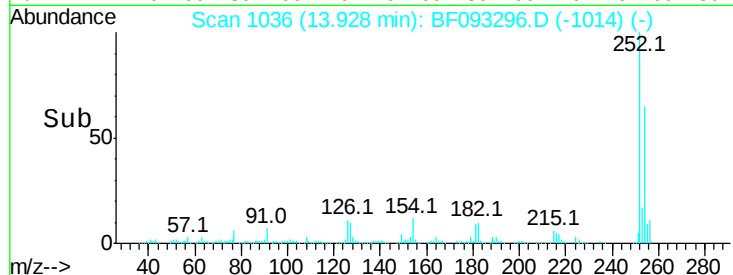
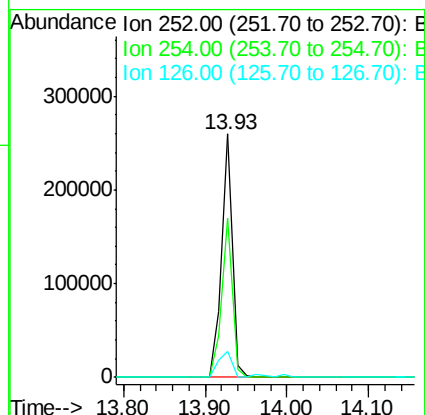
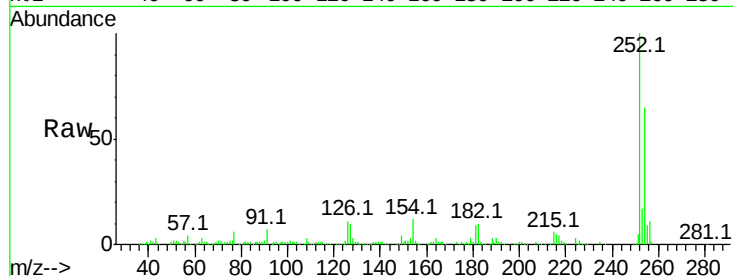
#81
 3,3'-Dichlorobenzidine
 Concen: 32.33 ng
 RT: 13.93 min Scan# 1036
 Delta R.T. -0.05 min
 Lab File: BF093296.D
 Acq: 1 Mar 2017 18:22

Instrument :
 BNA_F
 ClientSampleId :
 SSP-8(3.5-5.5)MSD

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	65.5	52.3	78.5
126	10.8	13.6	20.4

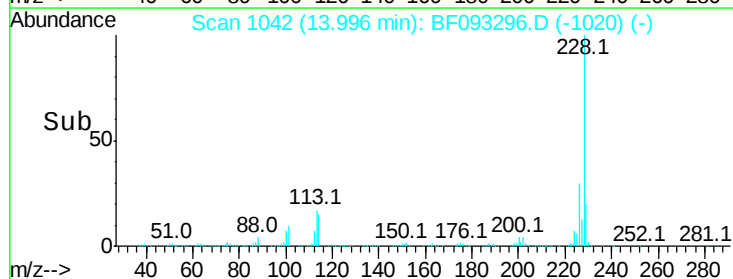
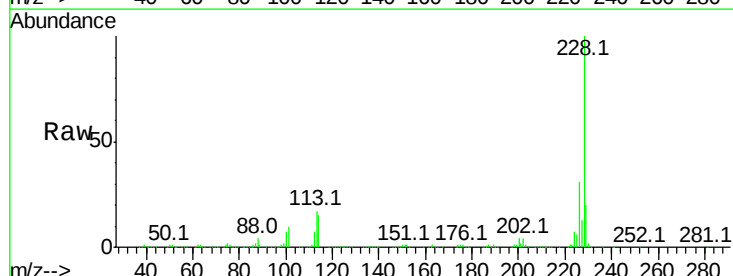
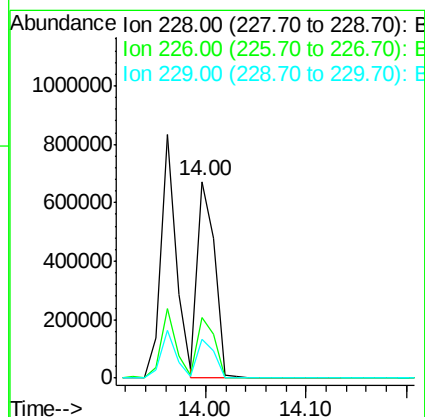
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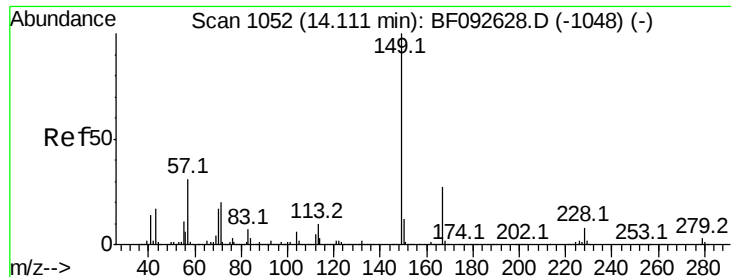
mohammad
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#82
 Chrysene
 Concen: 41.57 ng
 RT: 14.00 min Scan# 1042
 Delta R.T. -0.05 min
 Lab File: BF093296.D
 Acq: 1 Mar 2017 18:22

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.6	25.4	38.0
229	20.0	16.2	24.2





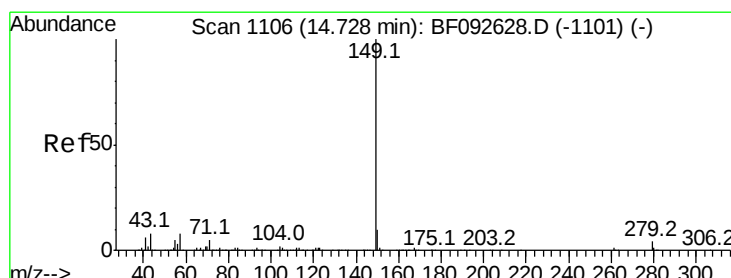
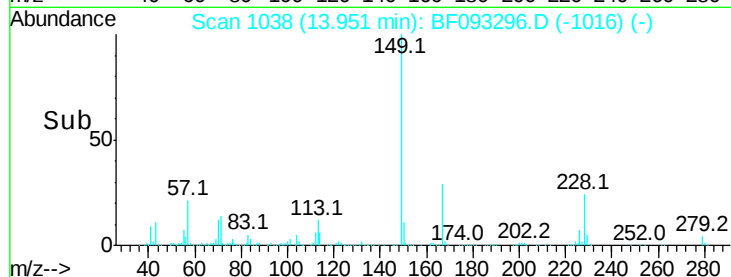
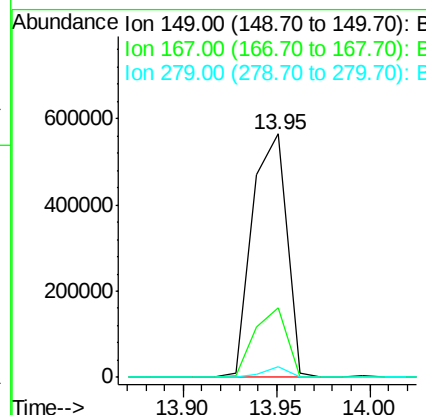
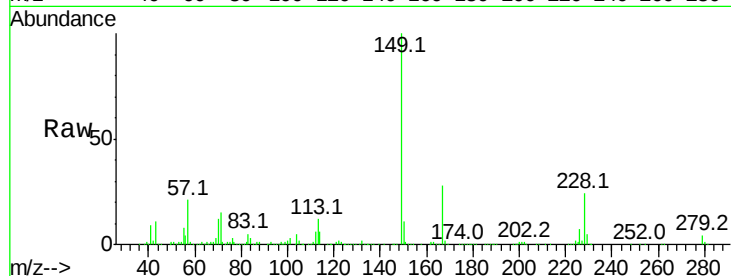
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 51.53 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.05 min
 Lab File: BF093296.D
 Acq: 1 Mar 2017 18:22

Instrument :
 BNA_F
 ClientSampleId :
 SSP-8(3.5-5.5)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.5	20.2	30.4
279	4.2	1.8	2.8

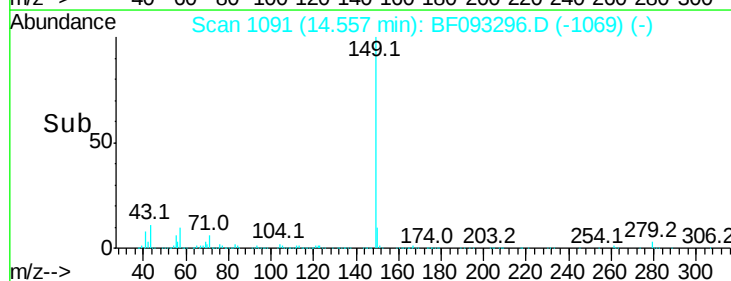
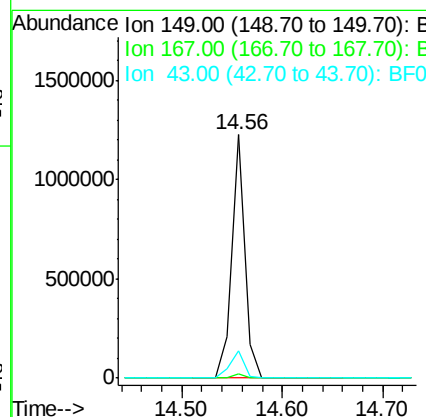
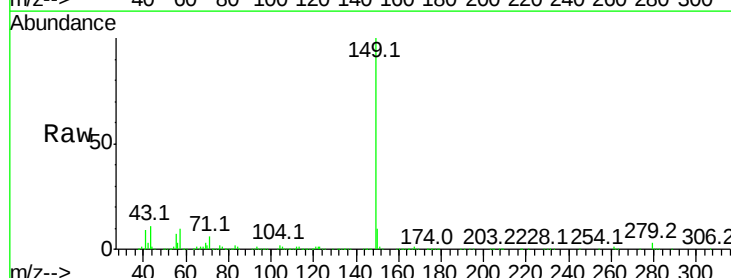
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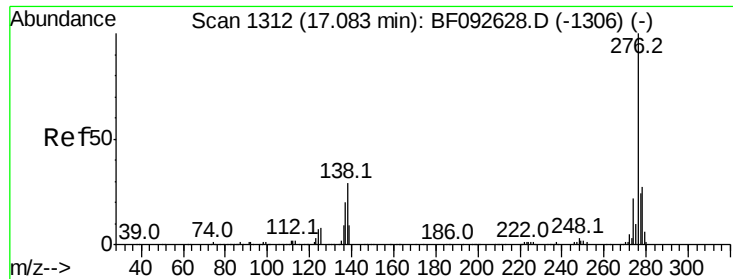
mohammad
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#84
 Di-n-octyl phthalate
 Concen: 48.26 ng
 RT: 14.56 min Scan# 1091
 Delta R.T. -0.05 min
 Lab File: BF093296.D
 Acq: 1 Mar 2017 18:22

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.8	8.9	13.3





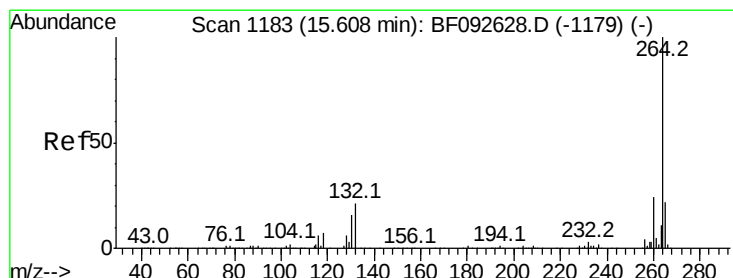
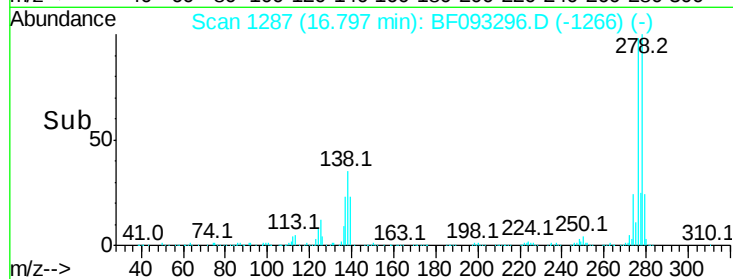
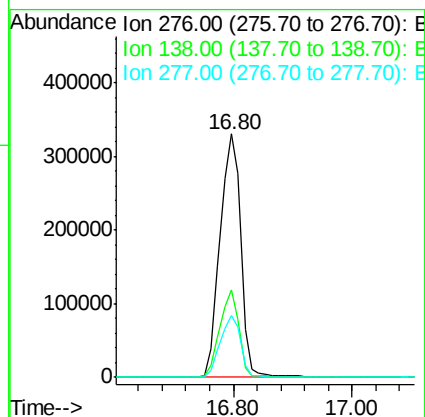
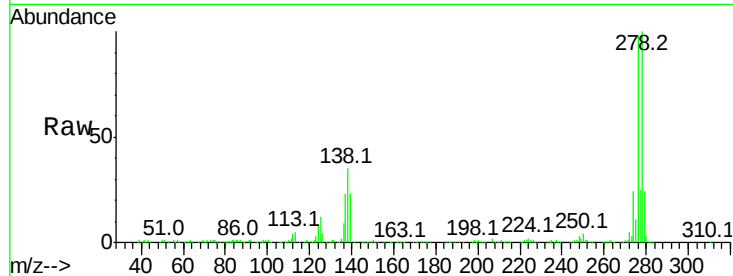
#85
Indeno(1,2,3-cd)pyrene
Concen: 53.64 ng
RT: 16.80 min Scan# 1287
Delta R.T. -0.06 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Instrument :
BNA_F
ClientSampleId :
SSP-8(3.5-5.5)MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	33.2	21.8	32.6#
277	24.9	20.2	30.4

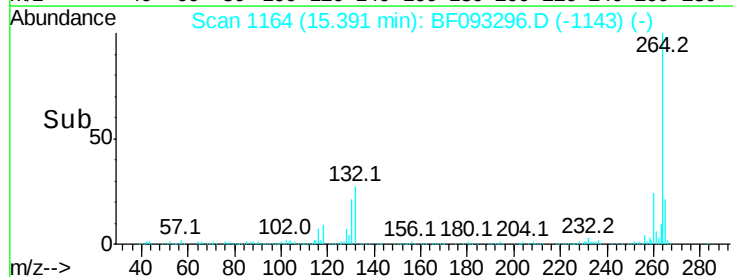
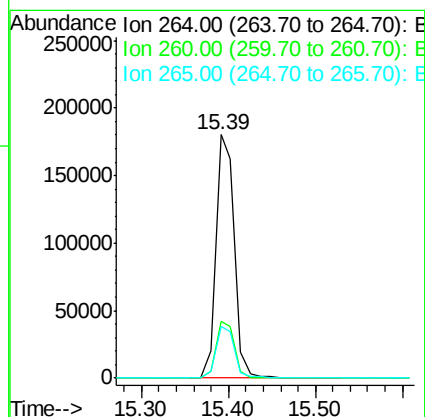
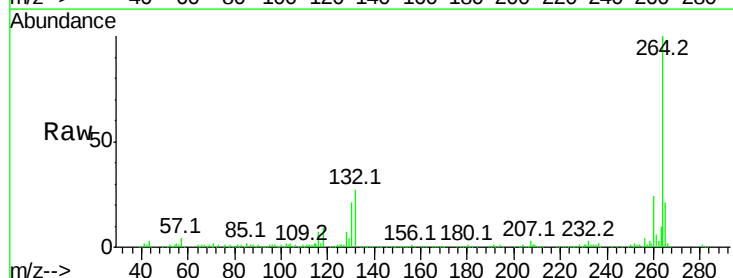
Manual Integrations
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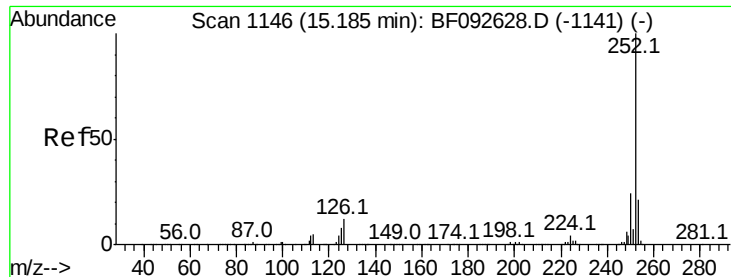
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1164
Delta R.T. -0.06 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.4	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 42.51 ng m

RT: 14.99 min Scan# 1129

Delta R.T. -0.05 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

Instrument :

BNA_F

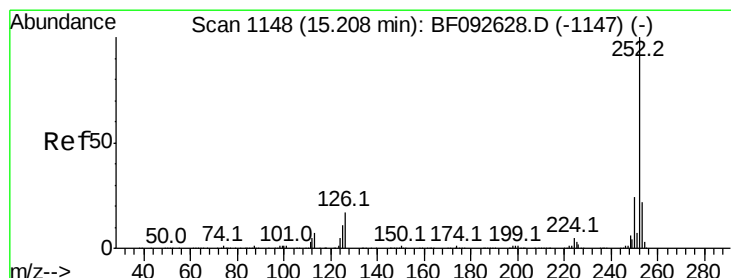
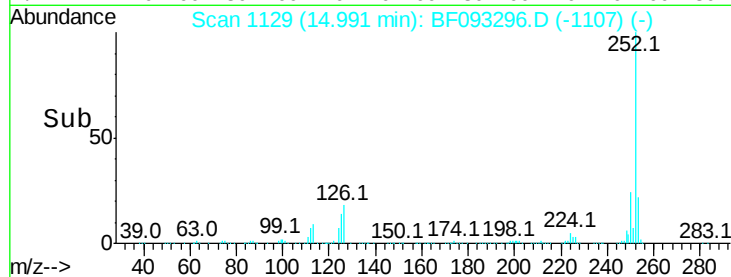
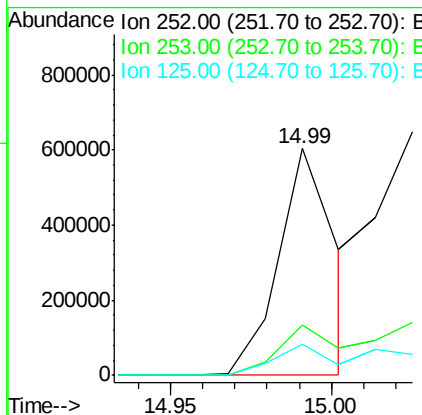
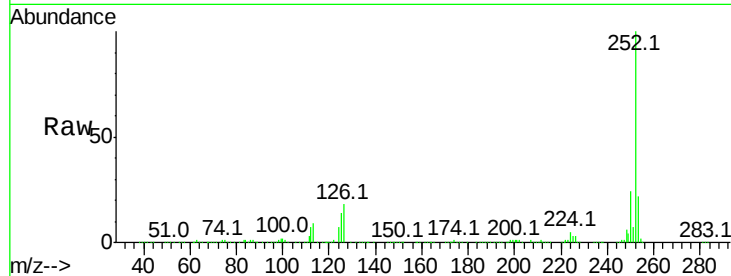
ClientSampleId :

SSP-8(3.5-5.5)MSD

Tot Ion:252	Resp:	747907
Ion Ratio	Lower	Upper
252	100	
253	22.2	18.2 27.4
125	13.8	9.8 14.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 50.39 ng m

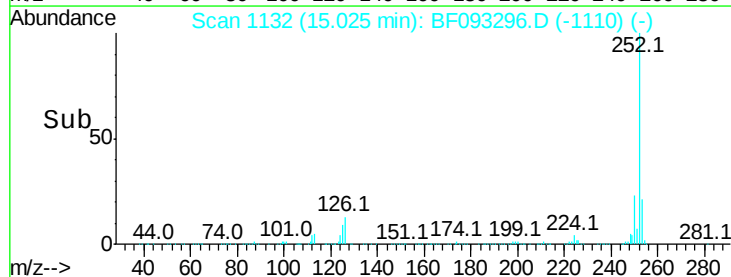
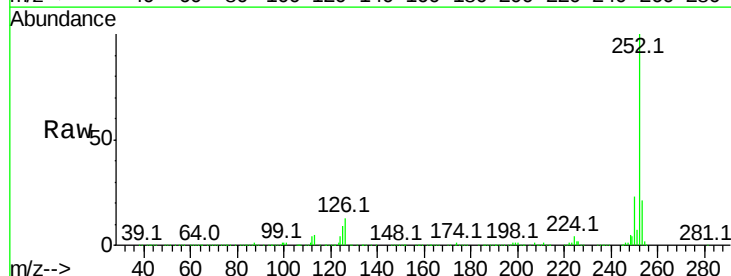
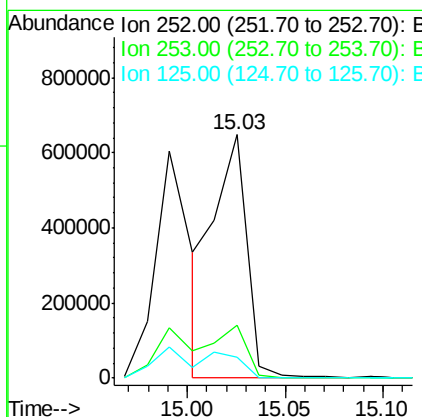
RT: 15.03 min Scan# 1132

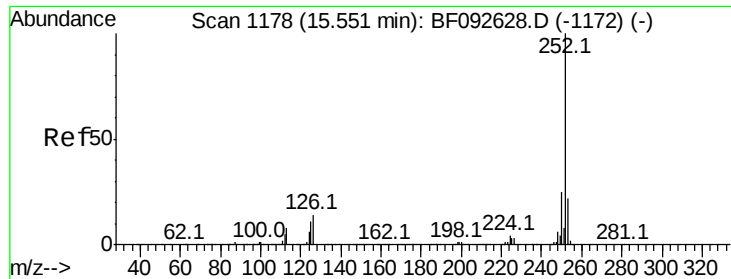
Delta R.T. -0.05 min

Lab File: BF093296.D

Acq: 1 Mar 2017 18:22

Tgt Ion:252	Resp:	765472
Ion Ratio	Lower	Upper
252	100	
253	21.5	18.5 27.7
125	8.8	8.9 13.3#





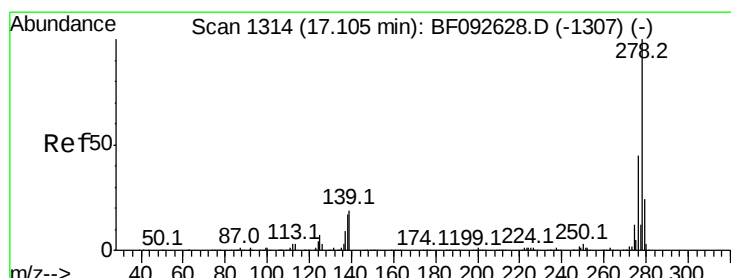
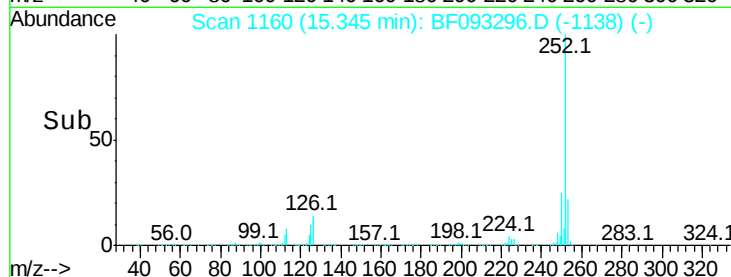
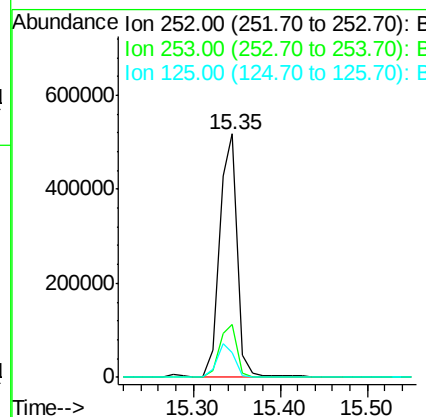
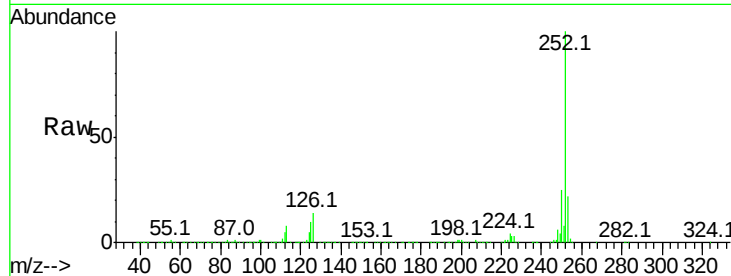
#89
Benzo(a)pyrene
Concen: 48.20 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.05 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Instrument :
BNA_F
ClientSampleId :
SSP-8(3.5-5.5)MSD

Tot Ion:	252	Resp:	733580
Ion Ratio	Lower	Upper	
252	100		
253	21.9	18.2	27.2
125	10.0	10.0	15.0

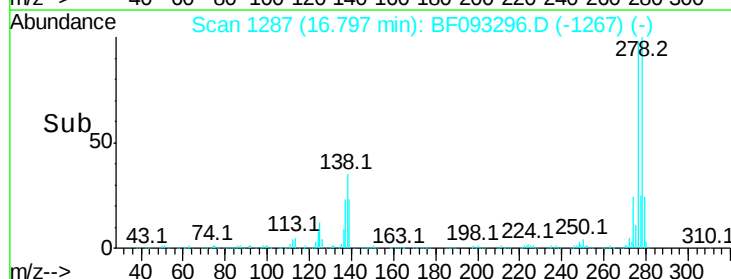
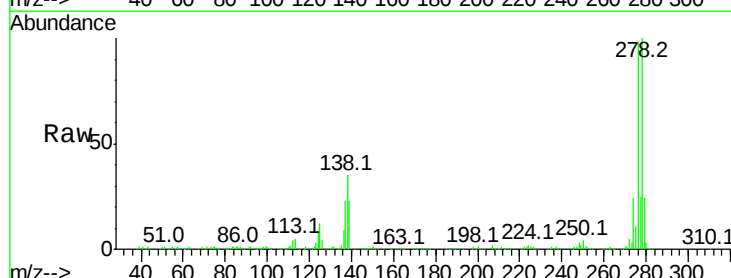
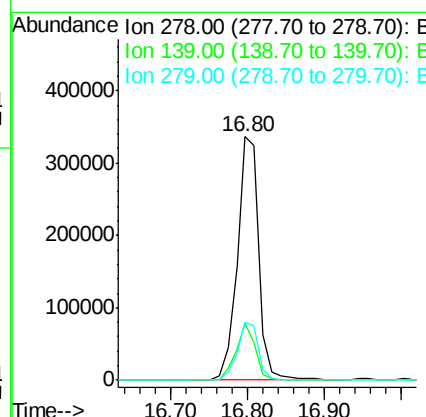
Manual Integrations
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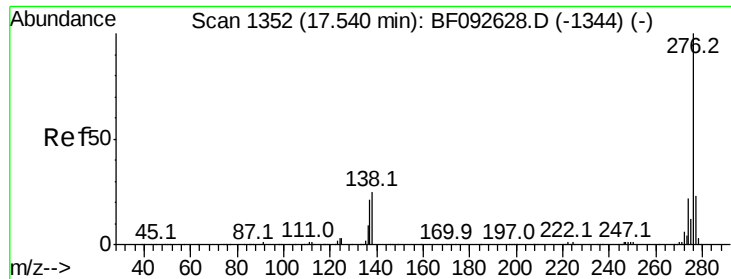
mohammad
3/2/2017 1:42:35 PM



#90
Dibenzo(a,h)anthracene
Concen: 53.75 ng
RT: 16.80 min Scan# 1287
Delta R.T. -0.07 min
Lab File: BF093296.D
Acq: 1 Mar 2017 18:22

Tgt Ion:	278	Resp:	661128
Ion Ratio	Lower	Upper	
278	100		
139	23.3	14.8	22.2#
279	23.6	19.8	29.6





#91
 Benzo(a,h,i)perylene
 Concen: 57.52 ng
 RT: 17.22 min Scan# 1324
 Delta R.T. -0.07 min
 Lab File: BF093296.D
 Acq: 1 Mar 2017 18:22

Instrument :
 BNA_F
 ClientSampleId :
 SSP-8(3.5-5.5)MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.2	28.8
138	25.2	16.0	24.0

Manual Integrations
 APPROVED

mohammad
 3/2/2017 1:42:35 PM

