

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031317\
 Data File : BF093641.D
 Acq On : 14 Mar 2017 7:06
 Operator : SJ/MA
 Sample : I2201-17MSD
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D-112MSD

Manual Integrations
 APPROVED

mohammad
 3/15/2017 5:38:42 PM

Quant Time: Mar 15 08:56:54 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	169192	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	737526	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	346268	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	628613	20.00	ng	0.00
75) Chrysene-d12	13.90	240	481675	20.00	ng	0.01
86) Perylene-d12	15.31	264	313087	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	1631816	160.52	ng	0.00
7) Phenol-d6	6.38	99	1936232	151.04	ng	0.00
23) Nitrobenzene-d5	7.29	82	1402325	105.50	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	353951	156.89	ng	0.01
44) 2-Fluorobiphenyl	9.09	172	2043025	109.74	ng	0.00
78) Terphenyl-d14	12.84	244	1612005	87.01	ng	0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.37	88	244487	43.66	ng	# 83
3) Pyridine	3.06	79	345988m	24.24	ng	
4) n-Nitrosodimethylamine	2.96	42	372421	54.62	ng	# 77
6) Aniline	6.46	93	726498	41.29	ng	# 25
8) 2-Chlorophenol	6.50	128	579547	50.88	ng	96
9) Benzaldehyde	6.29	77	89608	8.35	ng	90
10) Phenol	6.39	94	826728	52.63	ng	# 76
11) bis(2-Chloroethyl)ether	6.46	93	726498	57.22	ng	98
12) 1,3-Dichlorobenzene	6.64	146	623314m	47.81	ng	
13) 1,4-Dichlorobenzene	6.72	146	645710	48.37	ng	99
14) 1,2-Dichlorobenzene	6.88	146	560790	47.44	ng	96
15) Benzyl Alcohol	6.88	79	503488	55.10	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.00	45	1084894	51.44	ng	79
17) 2-Methylphenol	7.01	107	524242	54.42	ng	97
18) Hexachloroethane	7.21	117	226156	50.24	ng	98
19) n-Nitroso-di-n-propylamine	7.14	70	532317	60.40	ng	99
20) 3+4-Methylphenols	7.17	107	713609	57.12	ng	# 74
22) Acetophenone	7.13	105	880243	49.60	ng	99
24) Nitrobenzene	7.30	77	717565	48.03	ng	98
25) Isophorone	7.54	82	1304696	48.67	ng	# 93
26) 2-Nitrophenol	7.62	139	342964	50.32	ng	93
27) 2,4-Dimethylphenol	7.68	122	550435	49.64	ng	98
28) bis(2-Chloroethoxy)methane	7.76	93	874693	51.69	ng	100
29) 2,4-Dichlorophenol	7.89	162	577906	55.40	ng	87
30) 1,2,4-Trichlorobenzene	7.94	180	528285	47.62	ng	96
31) Naphthalene	8.02	128	1721019	46.56	ng	99
32) Benzoic acid	7.86	122	287977	49.98	ng	94
33) 4-Chloroaniline	8.18	127	92697m	6.18	ng	
34) Hexachlorobutadiene	8.13	225	270080	47.27	ng	99
35) Caprolactam	8.49	113	161776m	45.41	ng	
36) 4-Chloro-3-methylphenol	8.61	107	575803	51.72	ng	98
37) 2-Methylnaphthalene	8.72	142	1153281	49.04	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.88	216	502154	53.11	ng	98
40) Hexachlorocyclopentadiene	8.86	237	342932	134.11	ng	96

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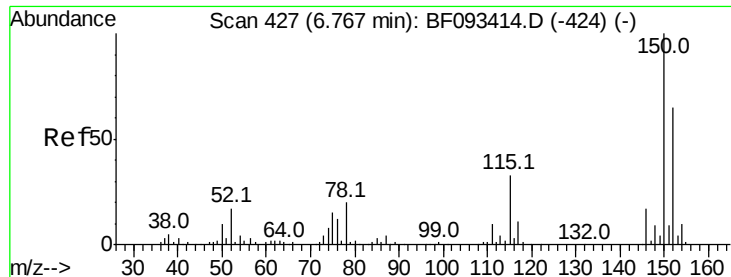
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.02	196	346045	58.58	nq	94
43) 2,4,5-Trichlorophenol	9.08	196	309476	48.82	nq	92
45) 1,1'-Biphenyl	9.18	154	1359860	53.91	nq	94
46) 2-Chloronaphthalene	9.21	162	1137902	58.93	nq	97
47) 2-Nitroaniline	9.33	65	422896	61.96	nq	92
48) Acenaphthylene	9.62	152	1710577	53.72	nq	99
49) Dimethylphthalate	9.50	163	1317440	57.39	nq	99
50) 2,6-Dinitrotoluene	9.57	165	239949	47.64	nq	# 43
51) Acenaphthene	9.80	154	1041612	55.31	nq	97
52) 3-Nitroaniline	9.75	138	140653	23.24	nq	# 95
53) 2,4-Dinitrophenol	9.88	184	320861	139.87	nq	# 74
54) Dibenzofuran	9.97	168	1348079	57.20	nq	96
55) 4-Nitrophenol	9.96	139	224393m	76.34	nq	
56) 2,4-Dinitrotoluene	9.99	165	394958	63.82	nq	# 73
57) Fluorene	10.31	166	1058398	52.99	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.10	232	299565	66.96	nq	98
59) Diethylphthalate	10.20	149	1242371	56.63	nq	99
60) 4-Chlorophenyl-phenylether	10.30	204	482769	53.93	nq	98
61) 4-Nitroaniline	10.37	138	224216	36.23	nq	97
62) Azobenzene	10.46	77	1594610	63.96	nq	91
64) 4,6-Dinitro-2-methylphenol	10.40	198	214762	52.73	nq	# 79
65) n-Nitrosodiphenylamine	10.44	169	937512	44.66	nq	100
66) 4-Bromophenyl-phenylether	10.79	248	300300	45.18	nq	97
67) Hexachlorobenzene	10.86	284	292805	46.13	nq	# 74
68) Atrazine	10.96	200	197464	32.14	nq	98
69) Pentachlorophenol	11.08	266	232957	106.30	nq	96
70) Phenanthrene	11.27	178	1697562	47.31	nq	99
71) Anthracene	11.33	178	1629205	44.89	nq	100
72) Carbazole	11.50	167	1498224	43.94	nq	98
73) Di-n-butylphthalate	11.82	149	2093717	53.07	nq	# 97
74) Fluoranthene	12.47	202	1731217	49.95	nq	94
77) Pyrene	12.70	202	1709121	48.79	nq	99
79) Butylbenzylphthalate	13.32	149	886561	60.12	nq	# 80
80) Benzo(a)anthracene	13.89	228	1363594	47.94	nq	99
81) 3,3'-Dichlorobenzidine	13.85	252	87636	8.80	nq	# 98
82) Chrysene	13.92	228	1114591	42.35	nq	99
83) Bis(2-ethylhexyl)phthalate	13.87	149	1123460	54.66	nq	100
84) Di-n-octyl phthalate	14.48	149	1928115	56.28	nq	97
85) Indeno(1,2,3-cd)pyrene	16.67	276	947023	42.99	nq	# 94
87) Benzo(b)fluoranthene	14.91	252	1323256m	69.40	nq	
88) Benzo(k)fluoranthene	14.94	252	765083m	41.61	nq	
89) Benzo(a)pyrene	15.25	252	943865	54.16	nq	98
90) Dibenzo(a,h)anthracene	16.67	278	788872	54.72	nq	96
91) Benzo(g,h,i)perylene	17.07	276	831029	56.16	nq	# 88

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 422

Delta R.T. -0.01 min

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Instrument :

BNA_F

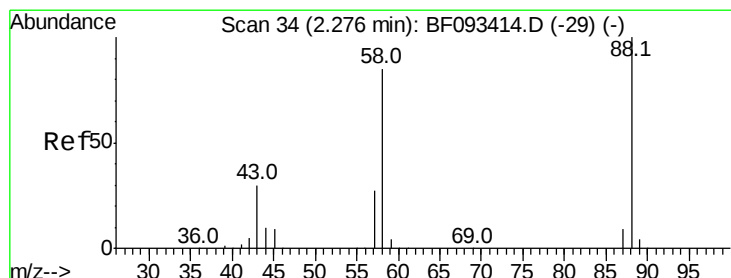
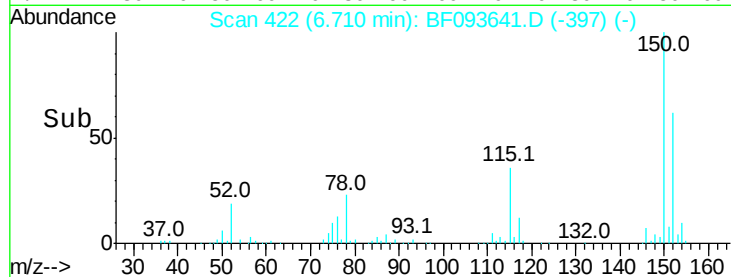
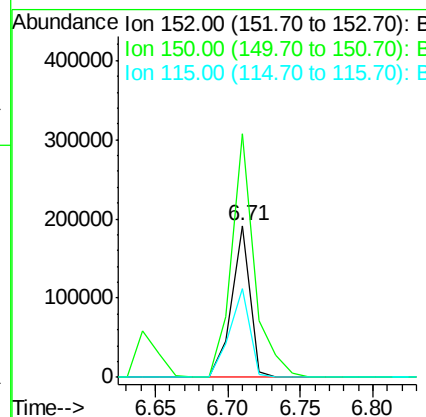
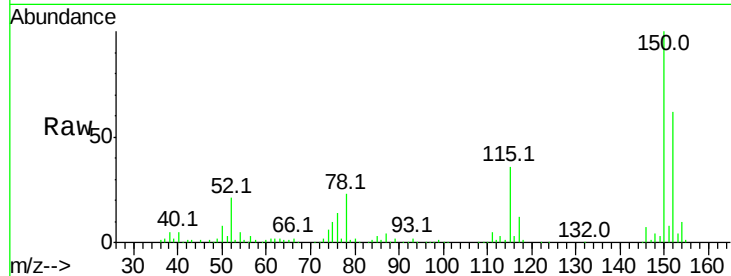
ClientSampleId :

D-112MSD

Tot Ion:	152	Resp:	169192
Ion Ratio	Lower	Upper	
152	100		
150	160.5	124.9	187.3
115	58.2	46.0	69.0

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#2

1,4-Dioxane

Concen: 43.66 ng

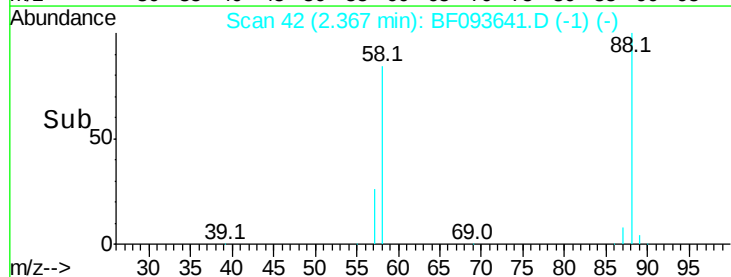
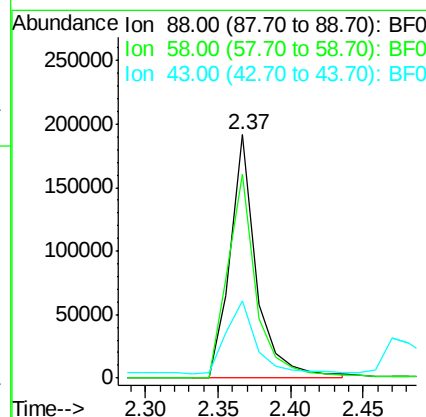
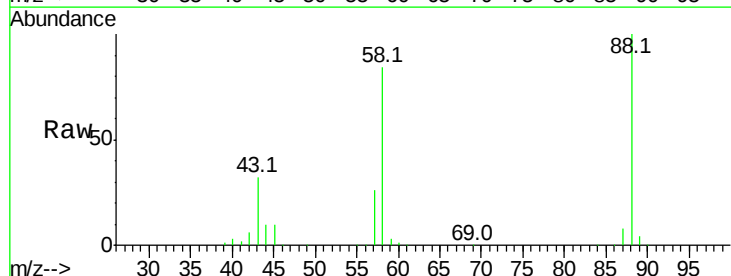
RT: 2.37 min Scan# 42

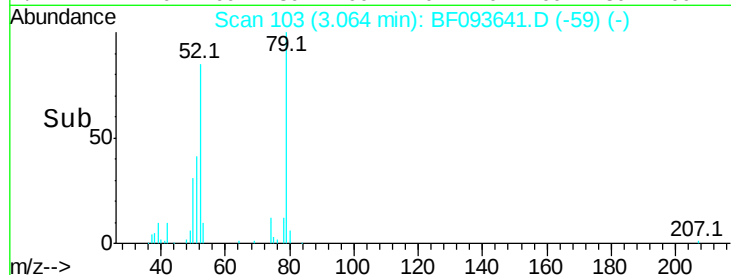
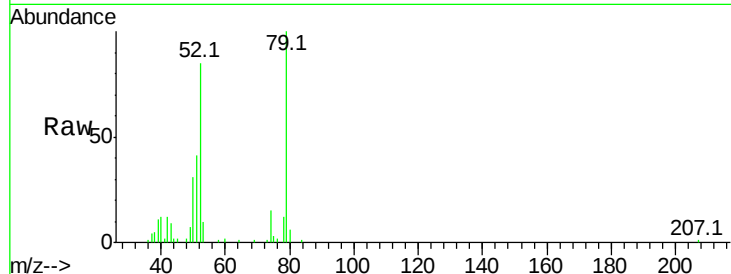
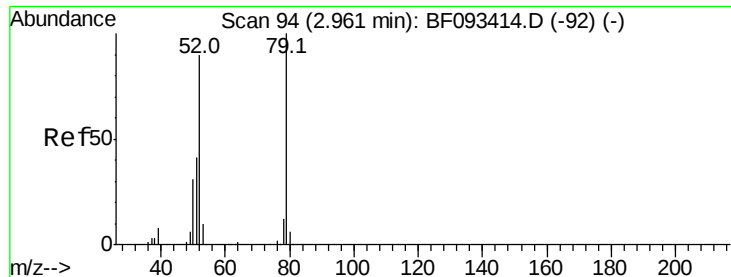
Delta R.T. 0.18 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Tgt Ion:	88	Resp:	244487
Ion Ratio	Lower	Upper	
88	100		
58	89.3	57.8	86.8#
43	32.9	22.3	33.5





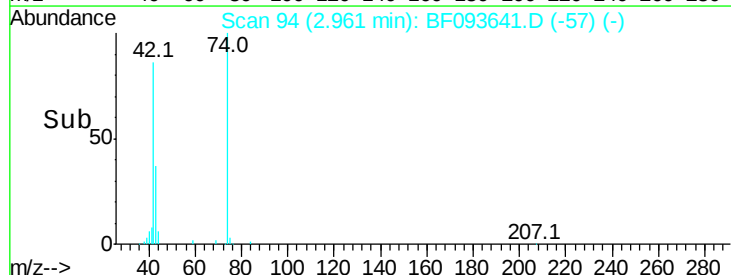
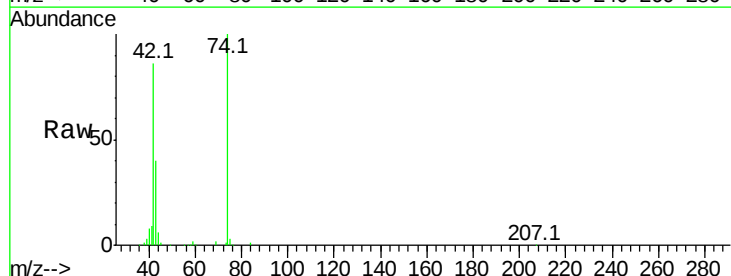
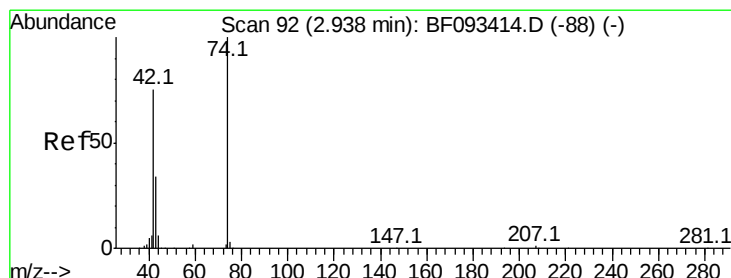
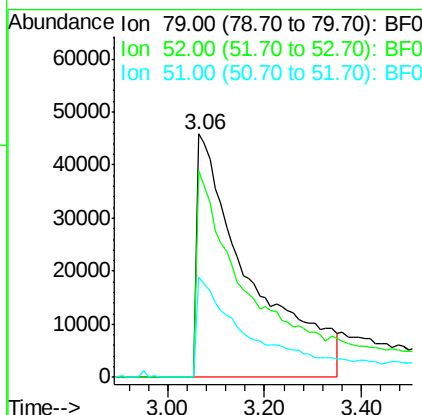
#3
 Pvridine
 Concen: 24.24 ng/ml
 RT: 3.06 min Scan# 103
 Delta R.T. 0.21 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Tot Ion	Ratio	Lower	Upper
79	100		
52	84.8	57.1	85.7
51	41.4	27.3	40.9

Instrument :
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 ClientSampleId :
 D-112MSD

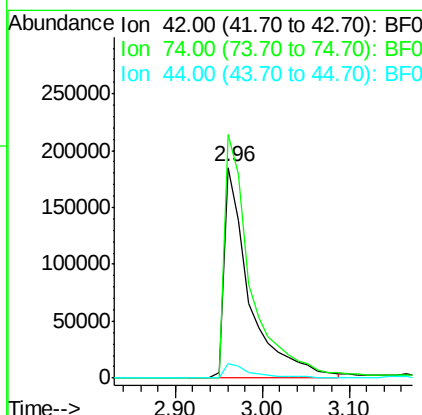
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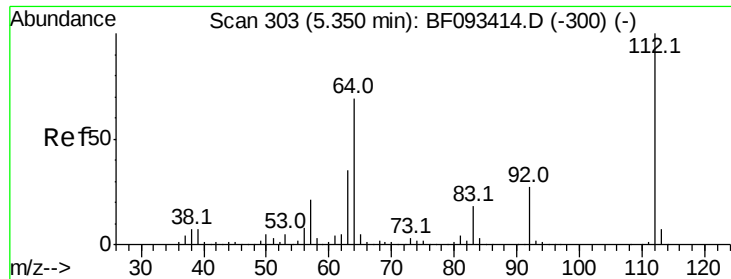
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#4
 n-Nitrosodimethylamine
 Concen: 54.62 ng
 RT: 2.96 min Scan# 94
 Delta R.T. 0.13 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Tgt Ion	Ratio	Lower	Upper
42	100		
74	115.6	117.0	175.4
44	6.9	5.5	8.3





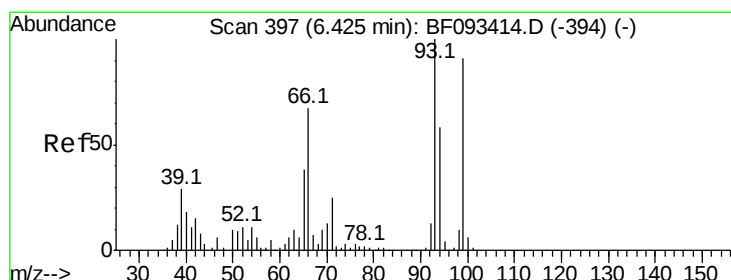
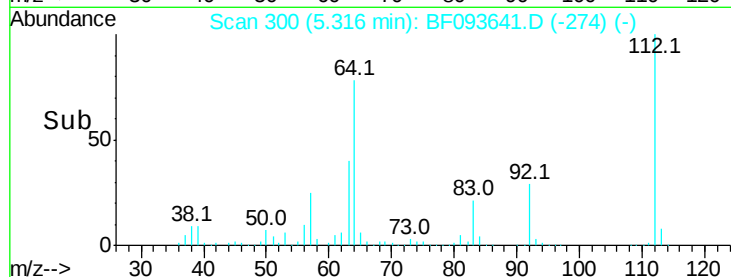
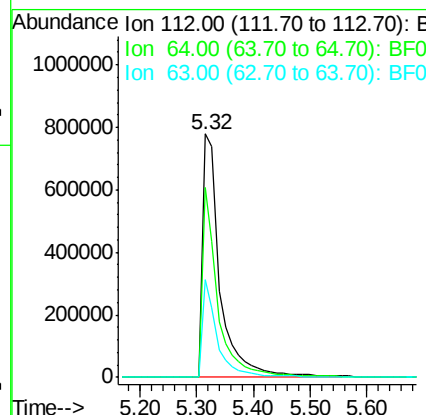
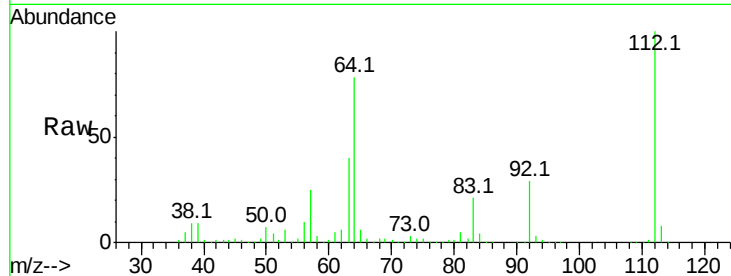
#5
 2-Fluorophenol
 Concen: 160.52 ng
 RT: 5.32 min Scan# 300
 Delta R.T. -0.00 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Instrument :
 BNA_F
 ClientSampleId :
 D-112MSD

Tot Ion	Ratio	Lower	Upper
112	100		
64	78.0	46.1	69.1#
63	40.1	23.8	35.6#

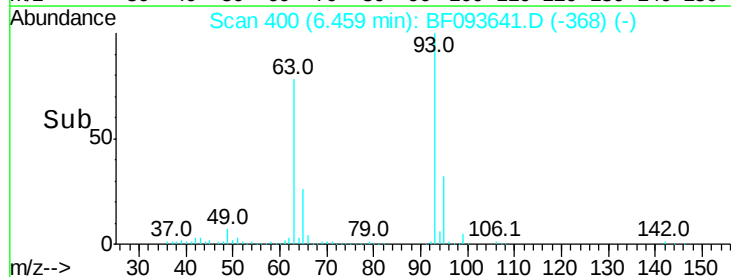
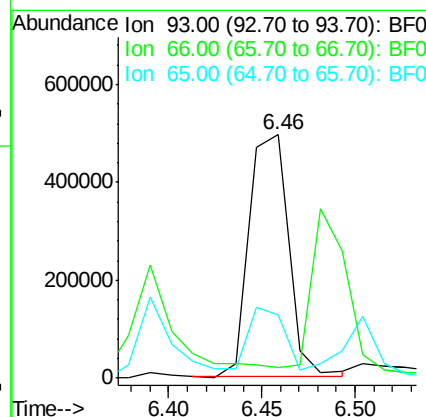
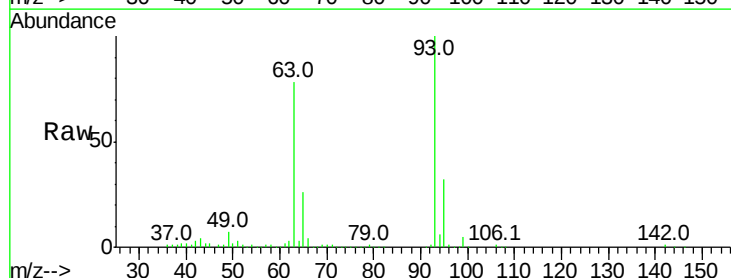
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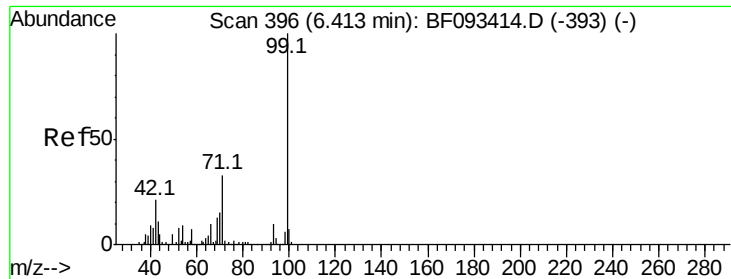
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#6
 Aniline
 Concen: 41.29 ng
 RT: 6.46 min Scan# 400
 Delta R.T. 0.07 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Tgt Ion	Ratio	Lower	Upper
93	100		
66	4.3	76.2	114.2#
65	26.1	49.3	73.9#





#7

Phenol-d6

Concen: 151.04 ng

RT: 6.38 min Scan# 393

Delta R.T. -0.00 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

ClientSampleId :

D-112MSD

Tot Ion: 99 Resp: 1936232

Ion Ratio Lower Upper

99 100

42 20.8 15.6 23.4

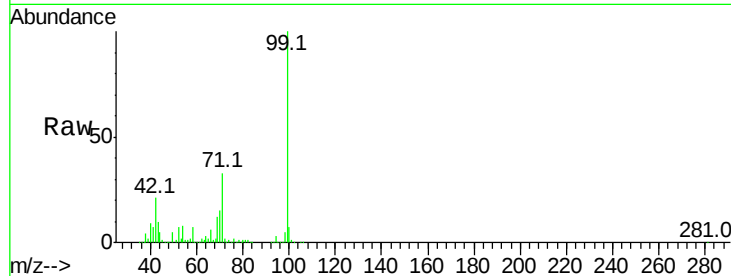
71 33.5 27.5 41.3

Manual Integrations

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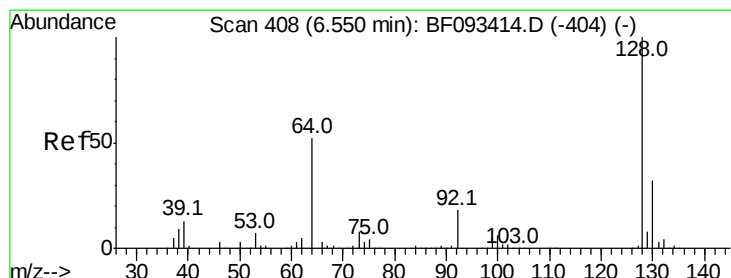
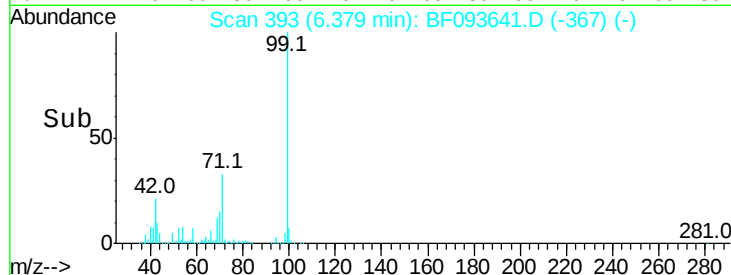
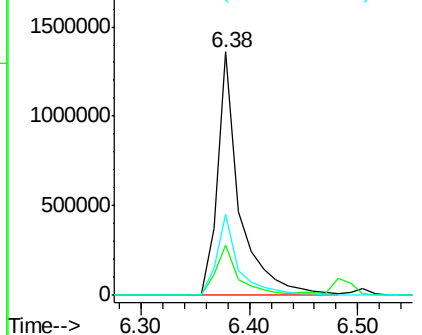
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 50.88 ng

RT: 6.50 min Scan# 404

Delta R.T. -0.00 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

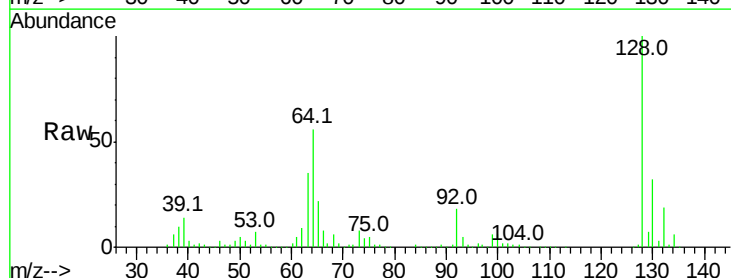
Tgt Ion:128 Resp: 579547

Ion Ratio Lower Upper

128 100

130 32.2 12.3 52.3

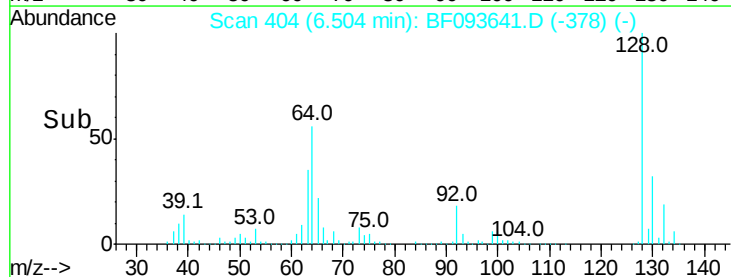
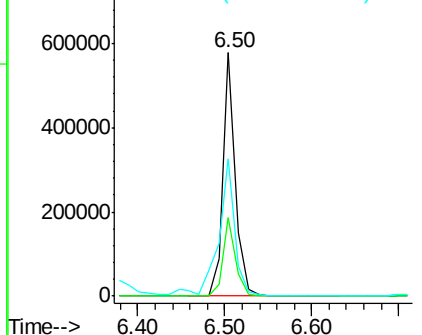
64 56.4 32.2 72.2



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: 8.35 ng

RT: 6.29 min Scan# 385

Delta R.T. 0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

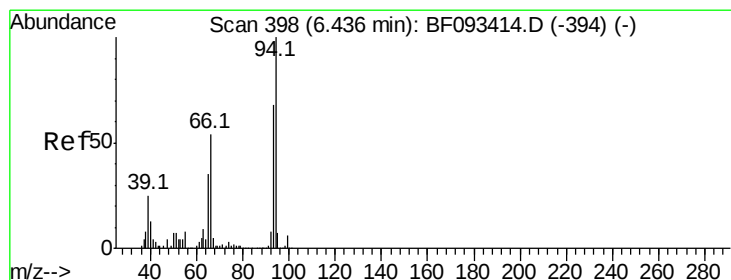
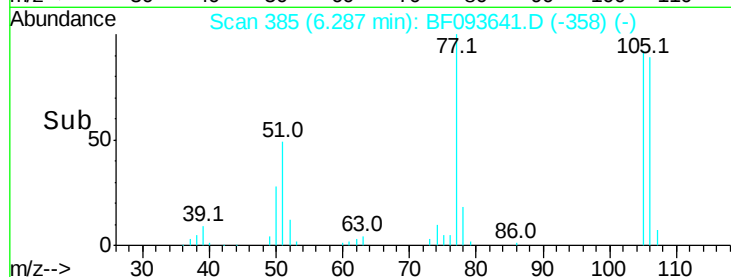
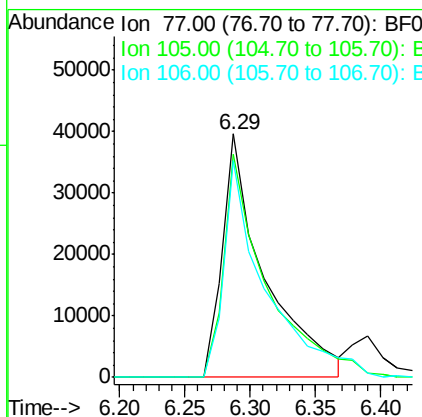
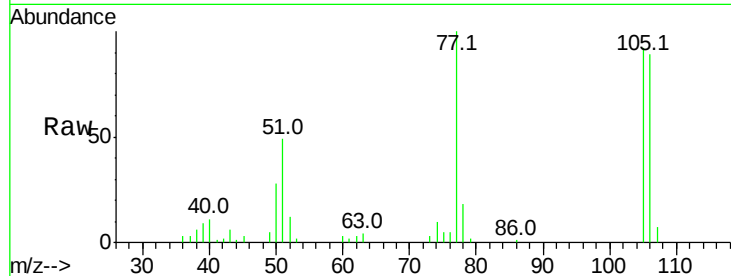
ClientSampled :

D-112MSD

Tot Ion:	77	Resp:	89608
Ion Ratio	Lower	Upper	
77	100		
105	91.9	83.9	123.9
106	88.9	77.6	117.6

Manual Integrations
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#10

Phenol

Concen: 52.63 ng

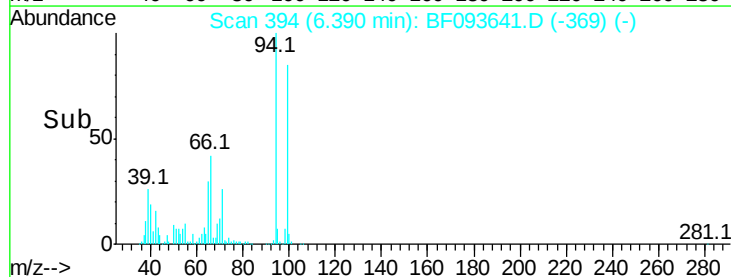
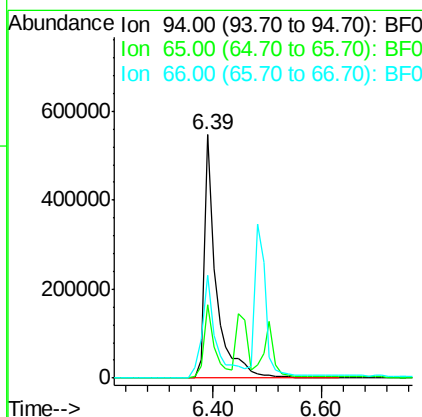
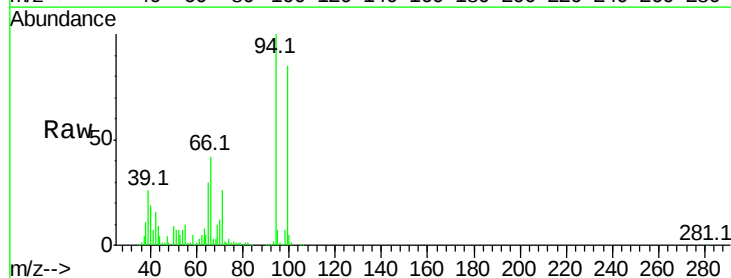
RT: 6.39 min Scan# 394

Delta R.T. -0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Tgt Ion:	94	Resp:	826728
Ion Ratio	Lower	Upper	
94	100		
65	30.0	21.4	61.4
66	42.0	44.0	84.0#





#11

bis(2-Chloroethyl)ether

Concen: 57.22 ng

RT: 6.46 min Scan# 400

Delta R.T. -0.00 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

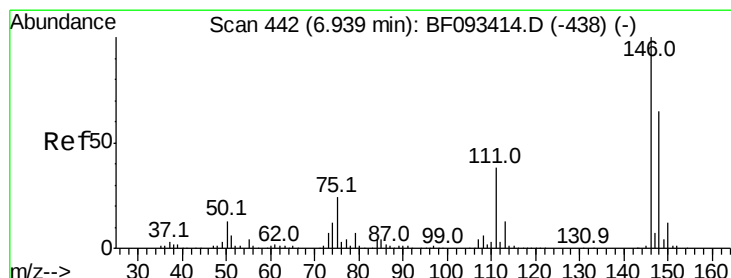
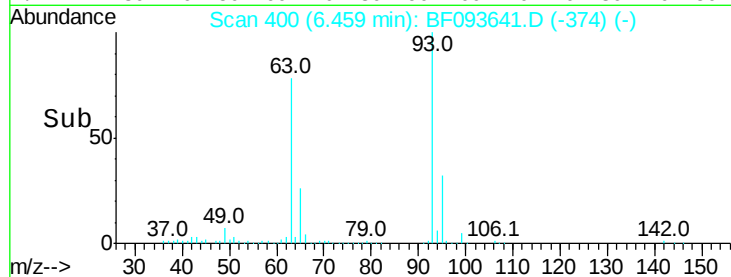
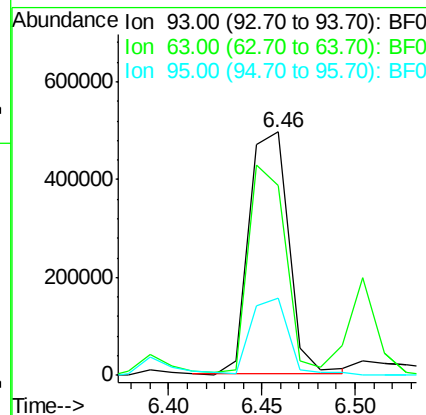
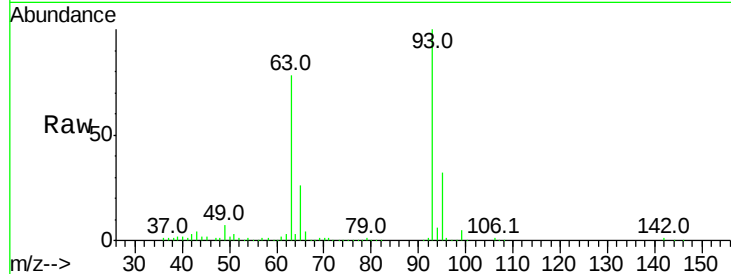
ClientSampleId :

D-112MSD

Tot Ion:	93	Resp:	726498
Ion Ratio	Lower	Upper	
93	100		
63	78.2	60.4	100.4
95	31.6	12.8	52.8

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#12

1,3-Dichlorobenzene

Concen: 47.81 ng m

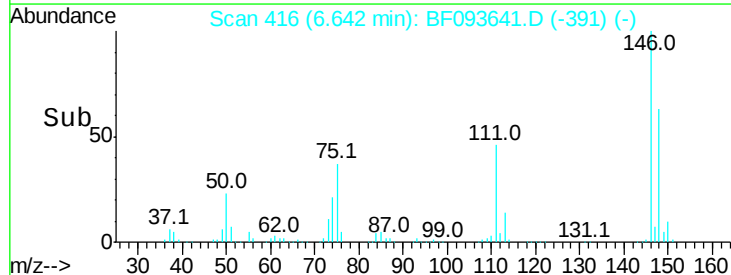
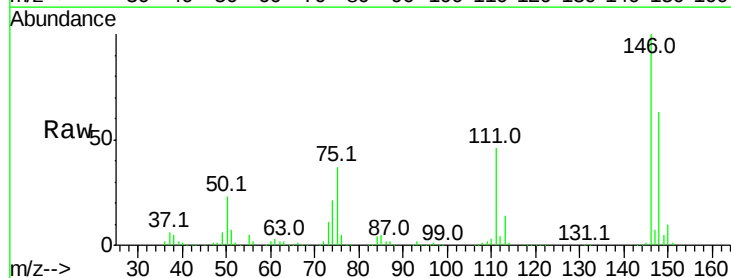
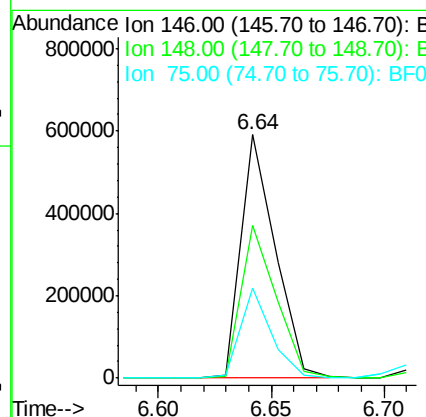
RT: 6.64 min Scan# 416

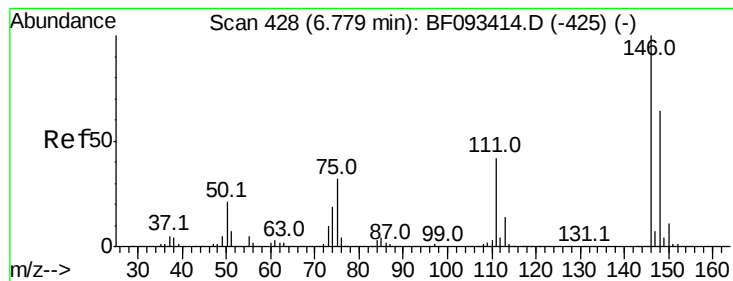
Delta R.T. -0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Tgt Ion:	146	Resp:	623314
Ion Ratio	Lower	Upper	
146	100		
148	62.8	53.4	80.0
75	37.0	18.5	27.7#





#13

1,4-Dichlorobenzene

Concen: 48.37 ng

RT: 6.72 min Scan# 423

Delta R.T. -0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

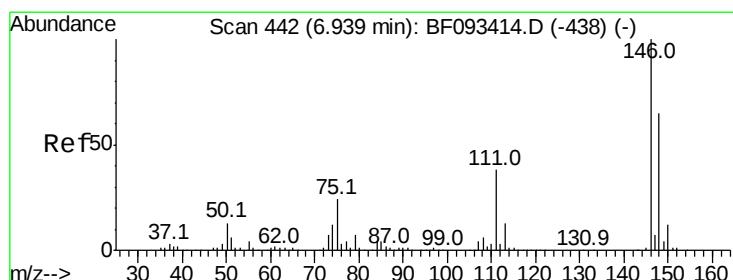
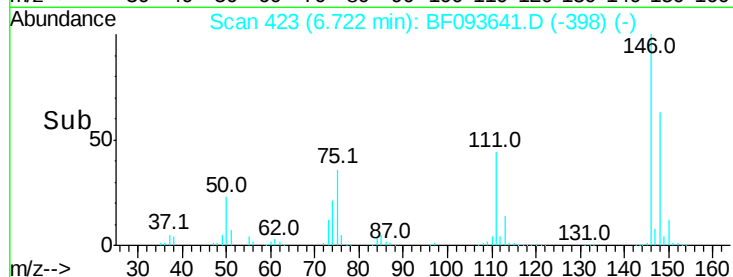
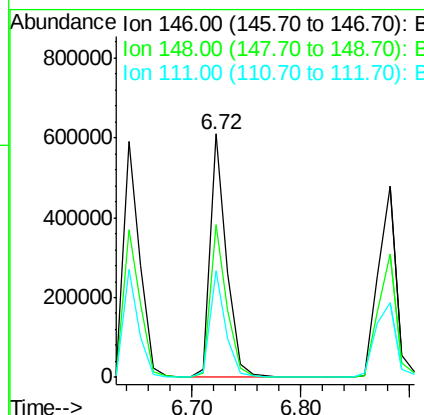
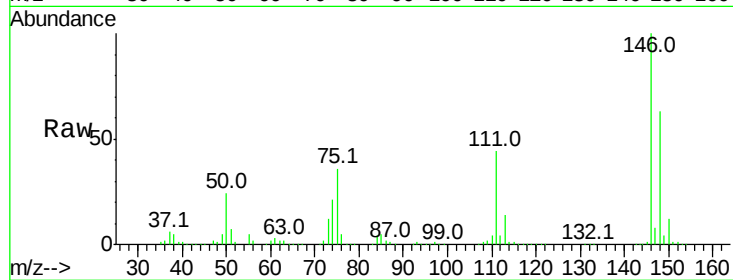
ClientSampleId :

D-112MSD

Tot Ion:	146	Resp:	645710
Ion Ratio	Lower	Upper	
146	100		
148	62.9	50.6	76.0
111	43.8	36.2	54.4

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#14

1,2-Dichlorobenzene

Concen: 47.44 ng

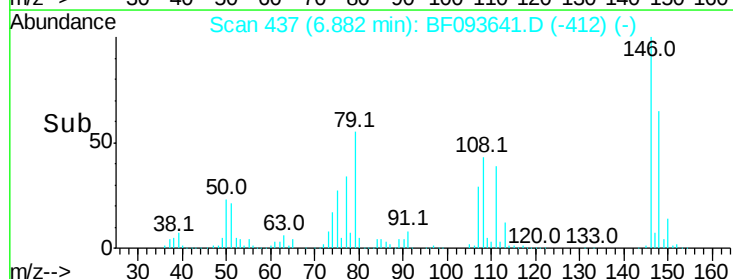
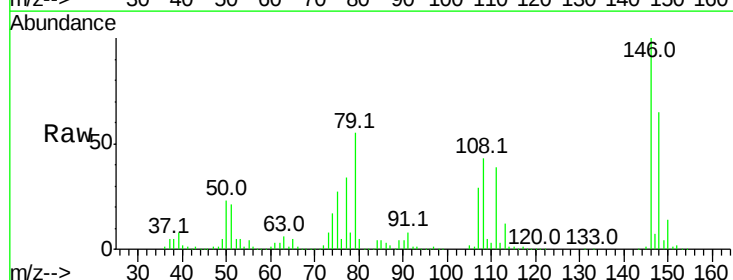
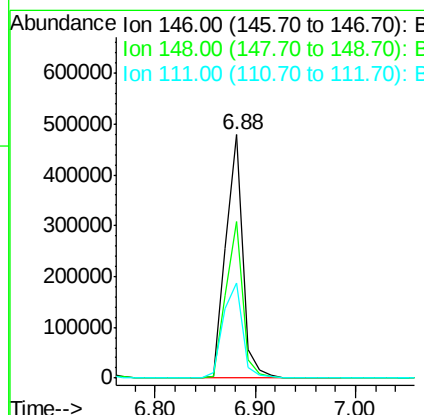
RT: 6.88 min Scan# 437

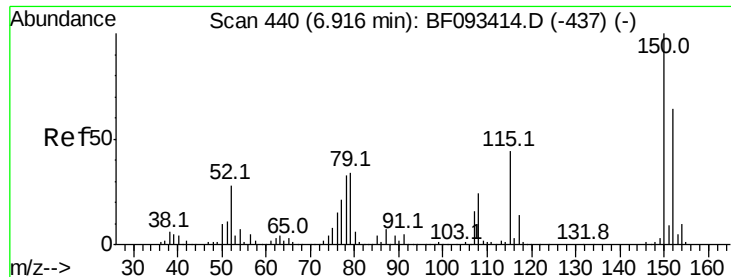
Delta R.T. -0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Tgt Ion:	146	Resp:	560790
Ion Ratio	Lower	Upper	
146	100		
148	64.6	52.2	78.2
111	39.2	36.2	54.2





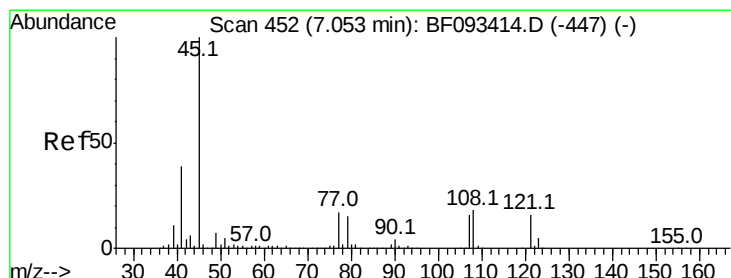
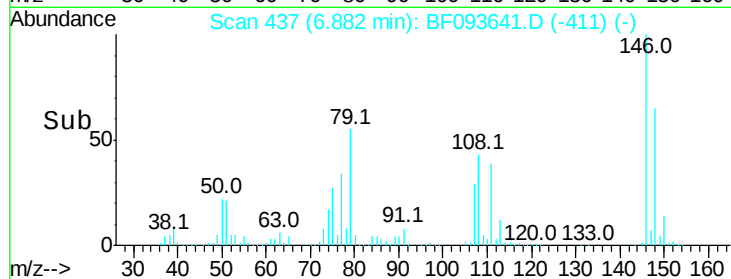
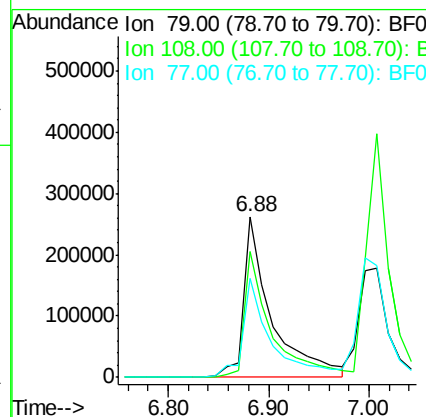
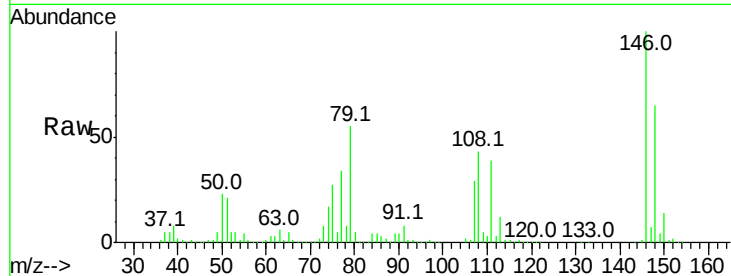
#15
Benzyl Alcohol
Concen: 55.10 ng
RT: 6.88 min Scan# 437
Delta R.T. -0.00 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Instrument :
BNA_F
ClientSampled :
D-112MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	78.7	61.4	92.0
77	61.8	50.9	76.3

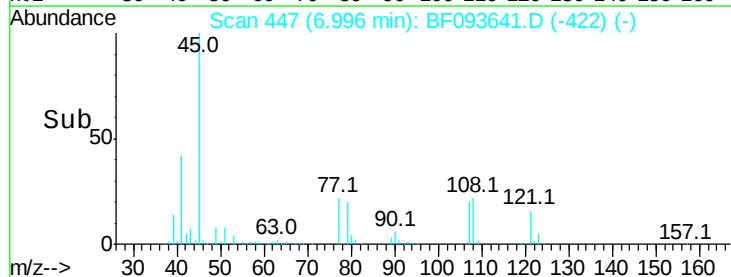
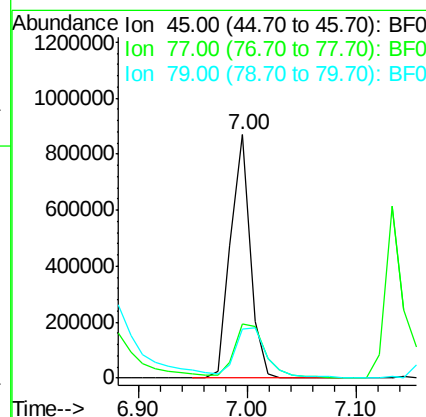
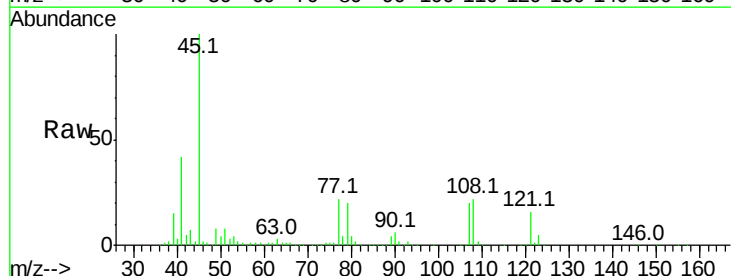
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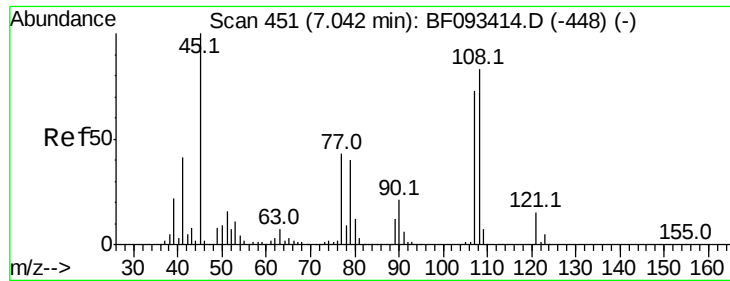
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#16
2,2'-oxybis(1-chloropropane)
Concen: 51.44 ng
RT: 7.00 min Scan# 447
Delta R.T. -0.01 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Tgt Ion	Ratio	Lower	Upper
45	100		
77	22.4	0.0	34.6
79	20.0	0.0	31.2





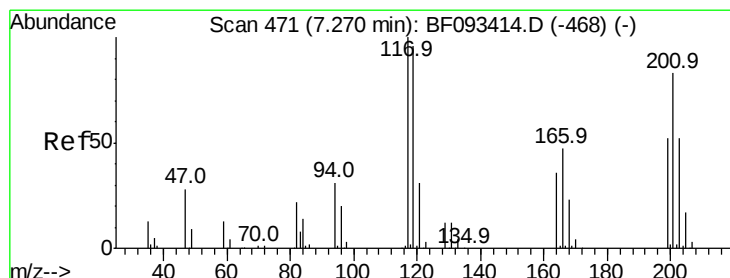
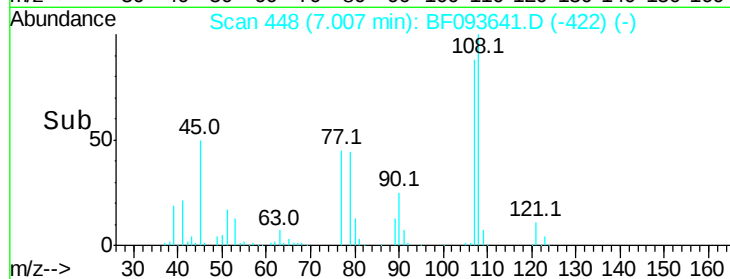
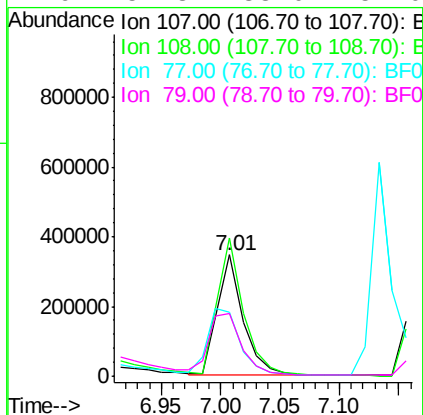
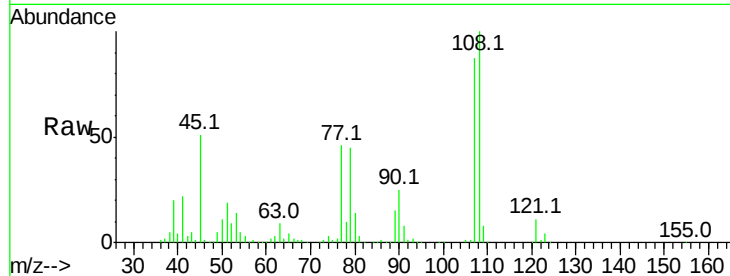
#17
2-Methylphenol
Concen: 54.42 ng
RT: 7.01 min Scan# 448
Delta R.T. -0.00 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Instrument :
BNA_F
ClientSampleId :
D-112MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	114.4	93.0	139.6
77	52.8	39.8	59.8
79	51.3	38.0	57.0

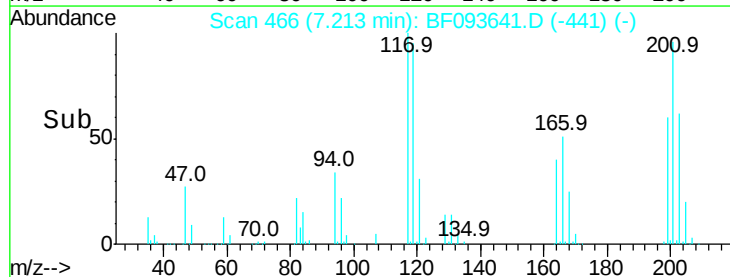
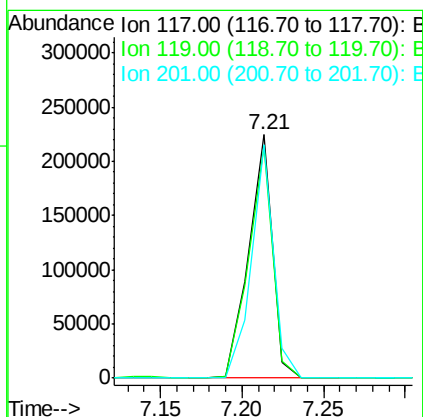
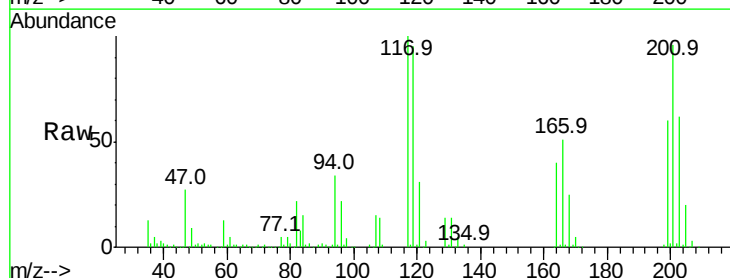
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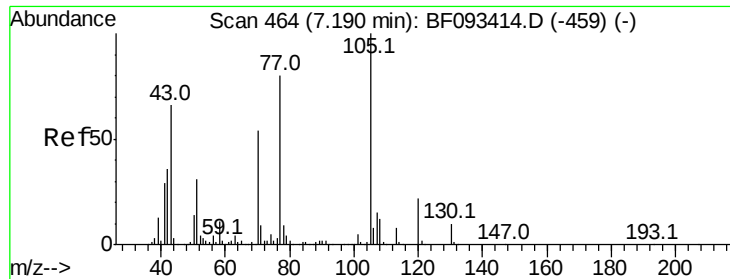
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#18
Hexachloroethane
Concen: 50.24 ng
RT: 7.21 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	78.1	117.1
201	96.0	78.6	117.8





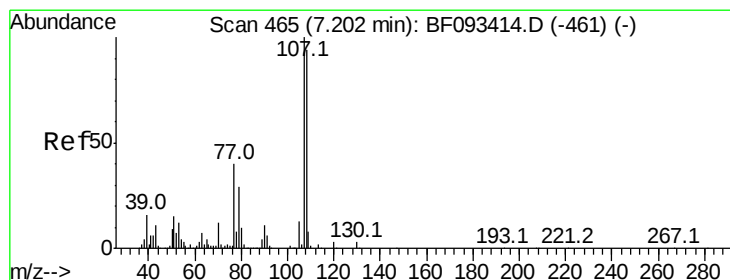
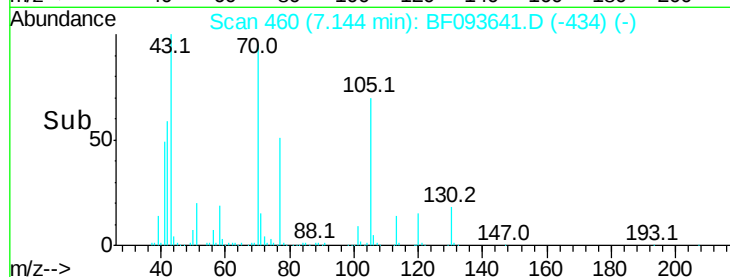
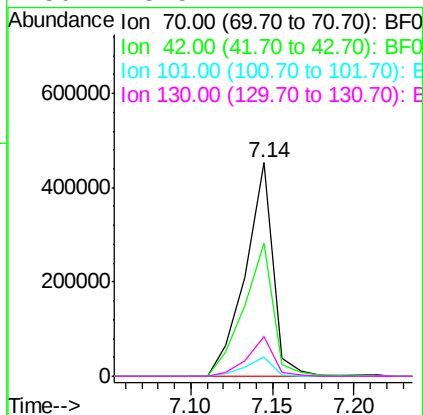
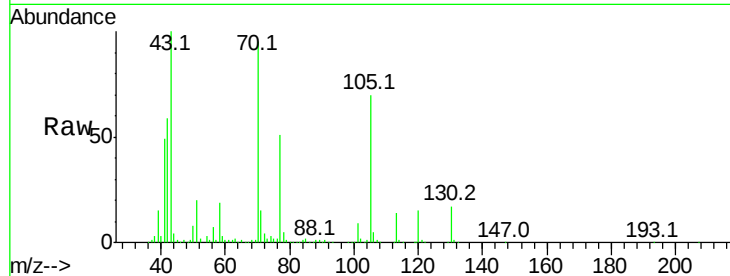
#19
n-Nitroso-di-n-propylamine
Concen: 60.40 ng
RT: 7.14 min Scan# 460
Delta R.T. -0.00 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Instrument :
BNA_F
ClientSampleId :
D-112MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	62.4	49.4	74.0
101	9.2	7.4	11.2
130	18.5	14.2	21.4

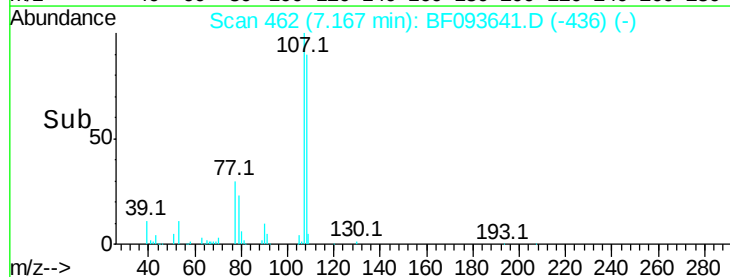
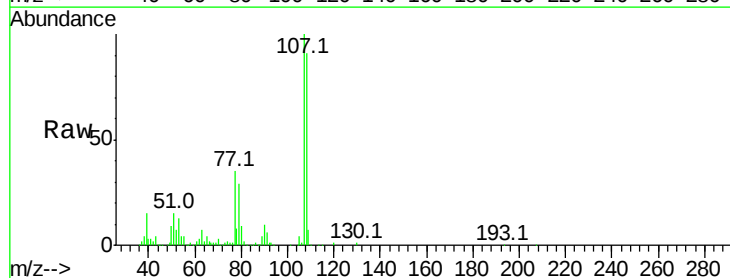
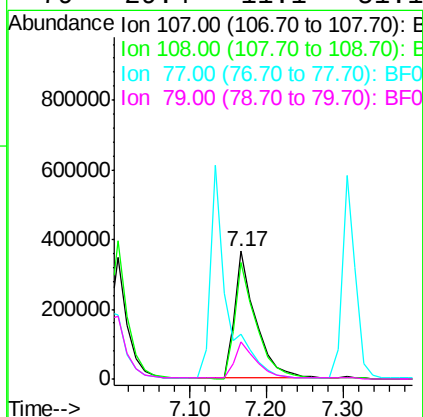
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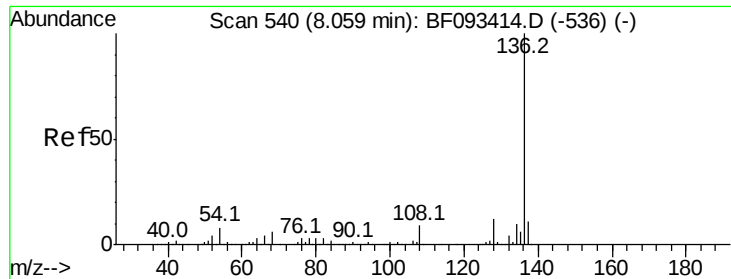
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#20
3+4-Methylphenols
Concen: 57.12 ng
RT: 7.17 min Scan# 462
Delta R.T. -0.00 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Tgt Ion	Ratio	Lower	Upper
107	100		
108	91.2	73.0	113.0
77	35.1	71.3	111.3#
79	29.4	11.1	51.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 535

Delta R.T. -0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

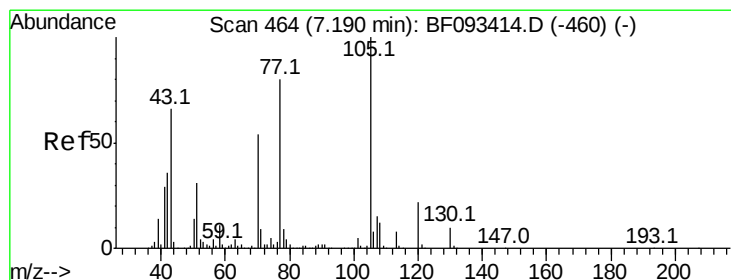
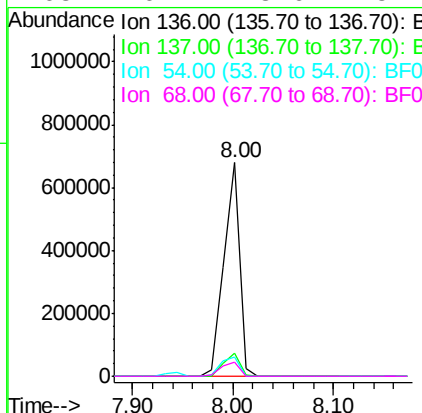
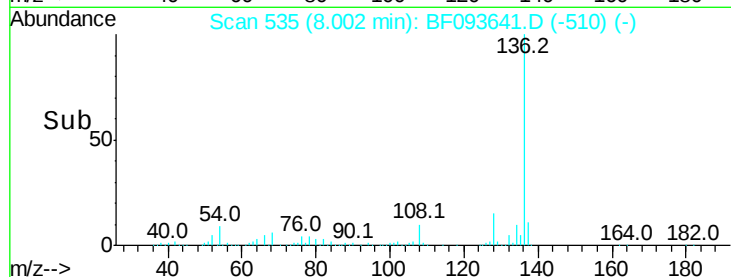
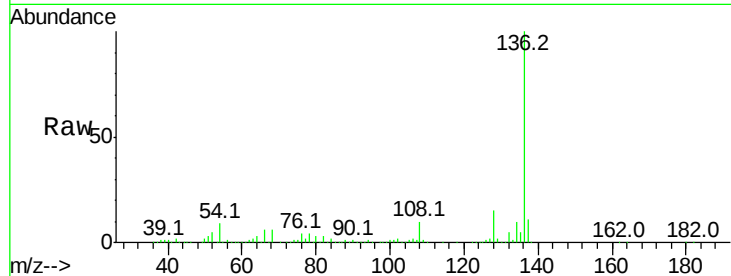
ClientSampled :

D-112MSD

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.8	8.4	12.6
54	8.7	4.5	6.7#
68	6.4	3.6	5.4#

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#22

Acetophenone

Concen: 49.60 ng

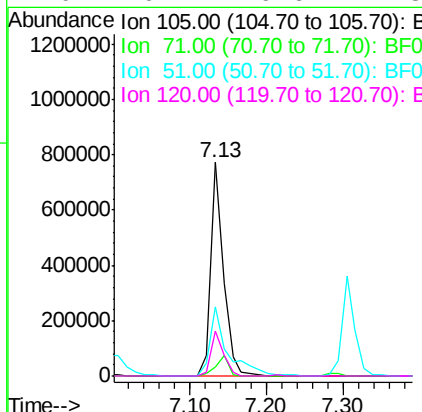
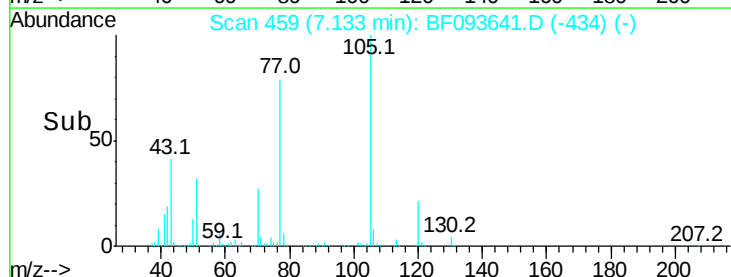
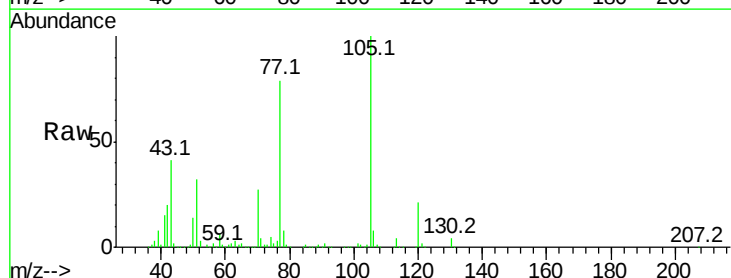
RT: 7.13 min Scan# 459

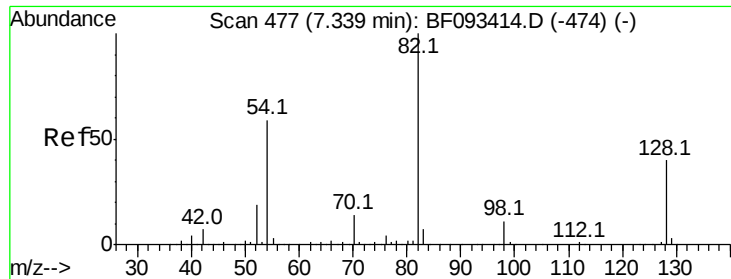
Delta R.T. -0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Tgt Ion	Ratio	Resp Lower	Upper
105	100		
71	4.5	3.2	4.8
51	32.1	26.2	39.4
120	20.7	16.6	24.8





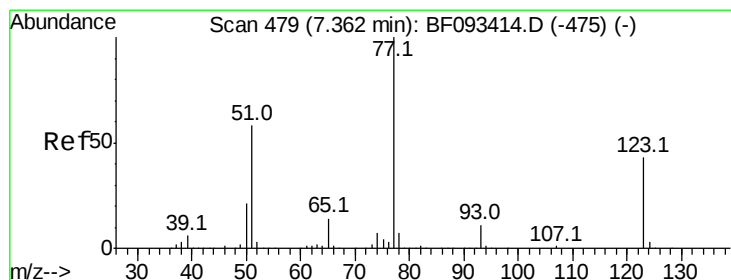
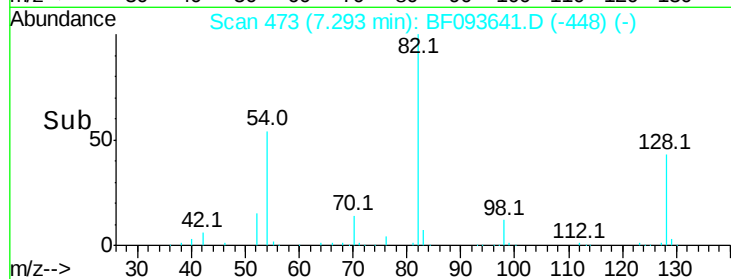
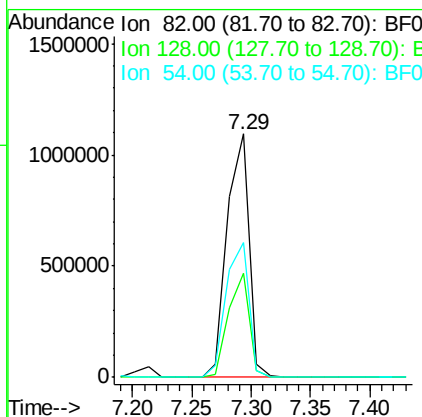
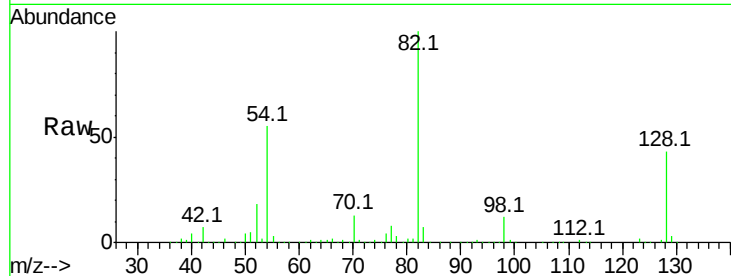
#23
 Nitrobenzene-d5
 Concen: 105.50 ng
 RT: 7.29 min Scan# 473
 Delta R.T. -0.01 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Instrument :
 BNA_F
 ClientSampleId :
 D-112MSD

Tot Ion:	82	Resp:	1402325
Ion	Ratio	Lower	Upper
82	100		
128	42.9	34.6	52.0
54	55.5	39.5	59.3

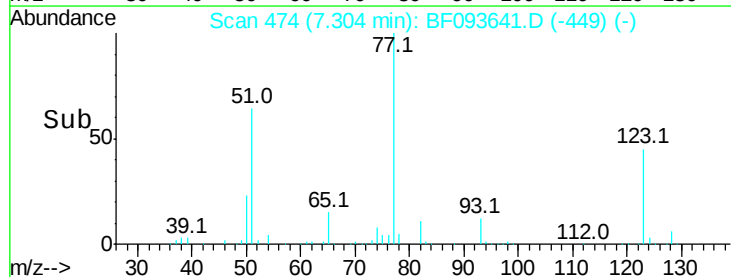
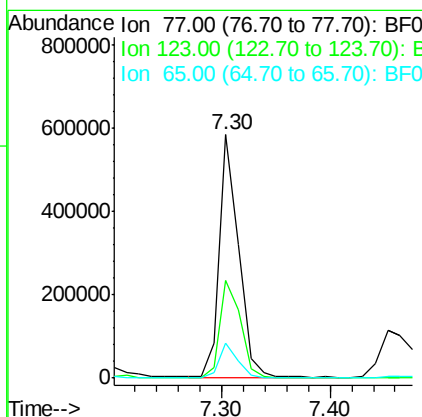
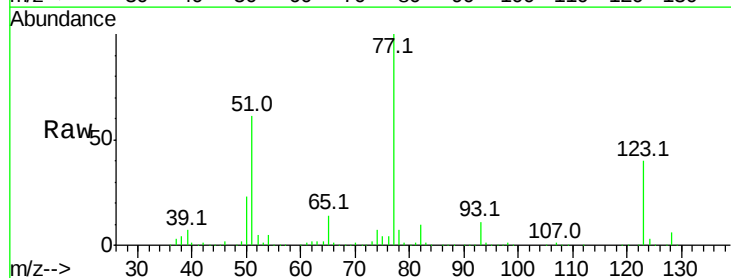
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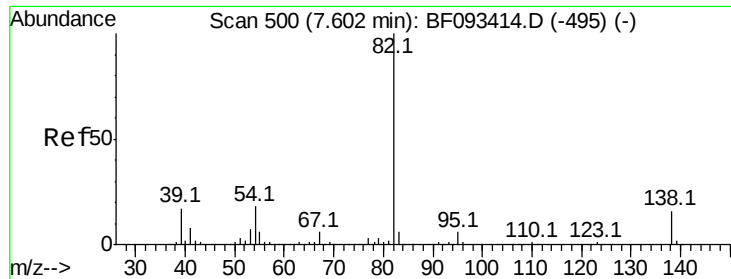
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#24
 Nitrobenzene
 Concen: 48.03 ng
 RT: 7.30 min Scan# 474
 Delta R.T. -0.01 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Tgt Ion:	77	Resp:	717565
Ion	Ratio	Lower	Upper
77	100		
123	40.0	33.0	49.4
65	14.5	11.2	16.8





#25

Isophorone

Concen: 48.67 ng

RT: 7.54 min Scan# 495

Delta R.T. -0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

ClientSampleId :

D-112MSD

Tot Ion: 82 Resp: 1304696

Ion Ratio Lower Upper

82 100

95 6.4 5.6 8.4

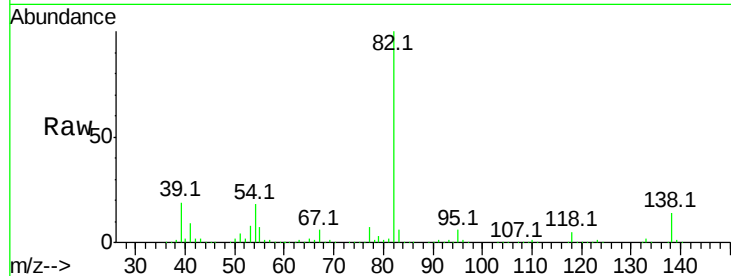
138 14.4 14.6 22.0#

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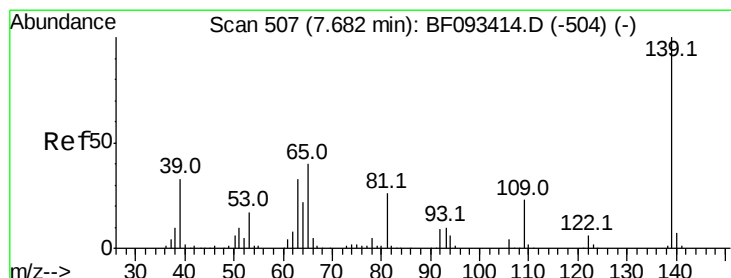
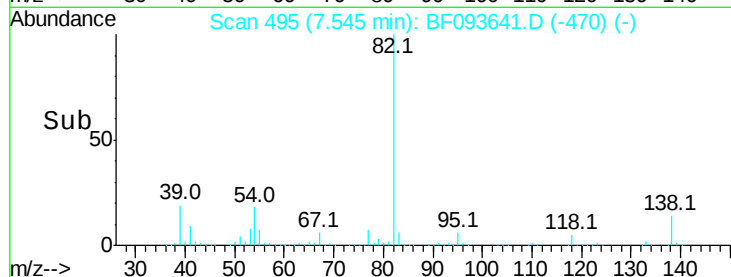
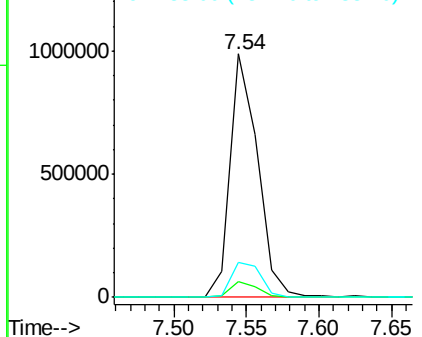
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Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 50.32 ng

RT: 7.62 min Scan# 502

Delta R.T. -0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

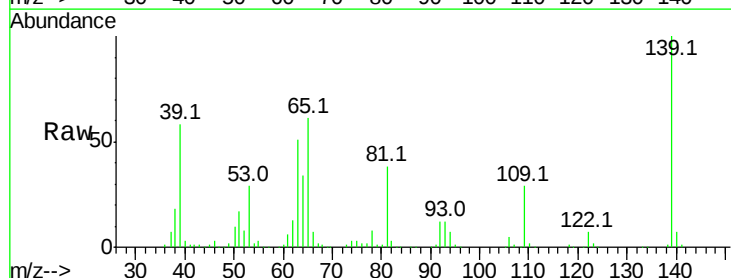
Tgt Ion: 139 Resp: 342964

Ion Ratio Lower Upper

139 100

109 29.2 23.3 34.9

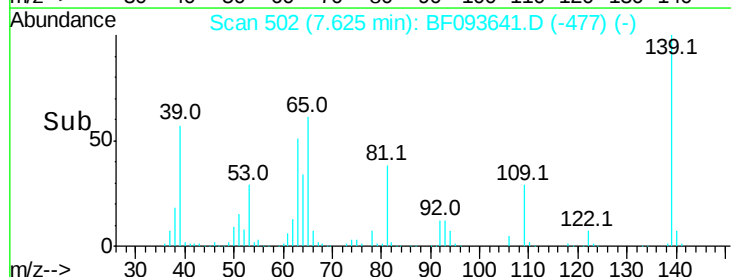
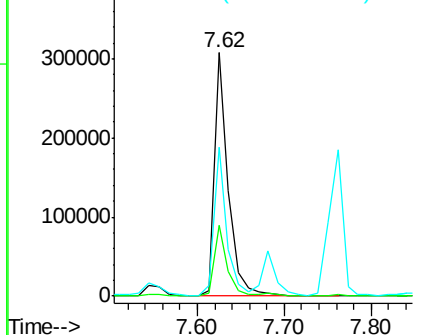
65 61.1 42.7 64.1

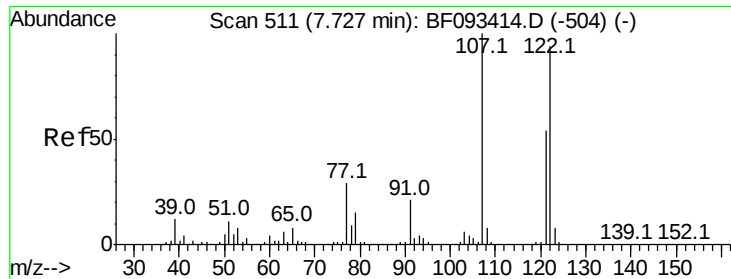


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





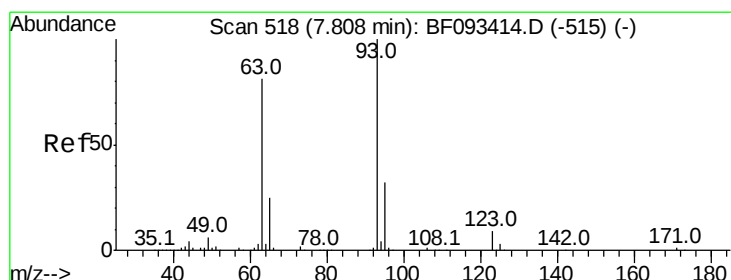
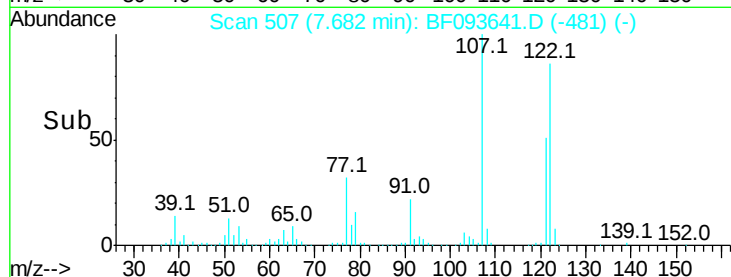
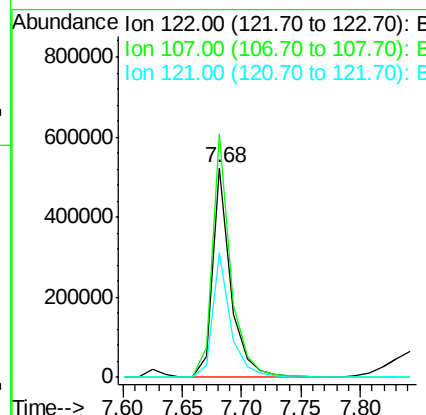
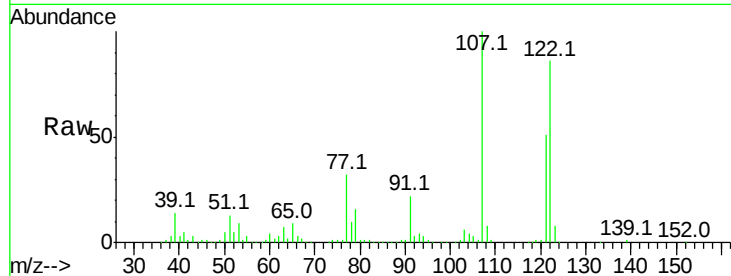
#27
 2,4-Dimethylphenol
 Concen: 49.64 ng
 RT: 7.68 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Instrument :
 BNA_F
 ClientSampleId :
 D-112MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	116.2	94.1	141.1
121	59.4	46.0	69.0

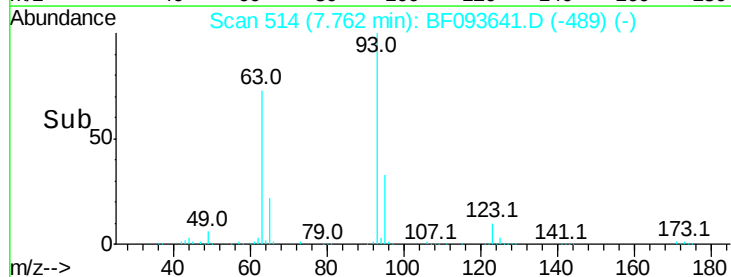
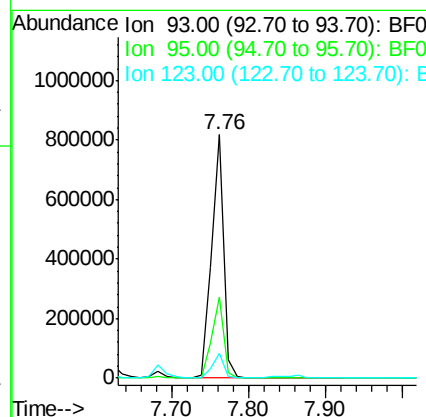
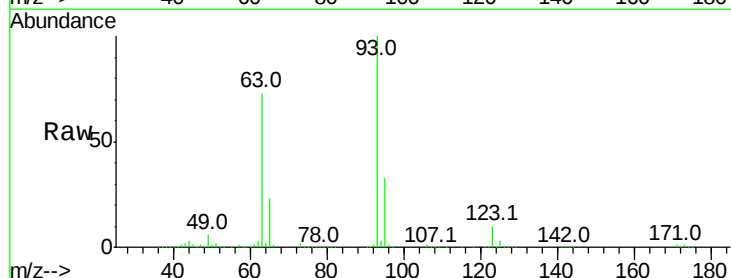
Manual Integrations
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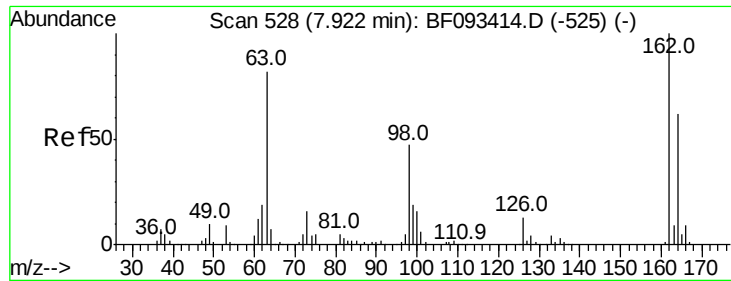
mohammad
 3/15/2017 5:38:42 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 51.69 ng
 RT: 7.76 min Scan# 514
 Delta R.T. -0.01 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.5	39.7
123	10.2	8.6	13.0





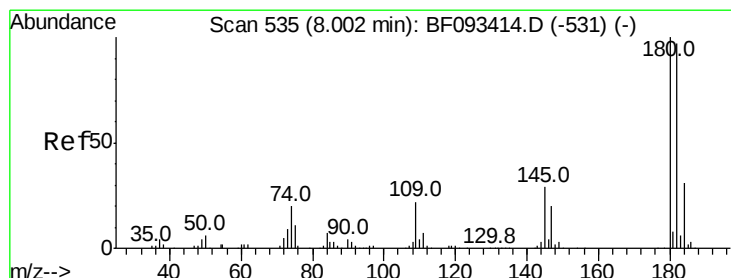
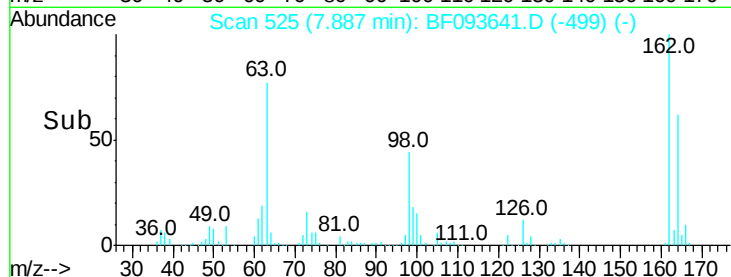
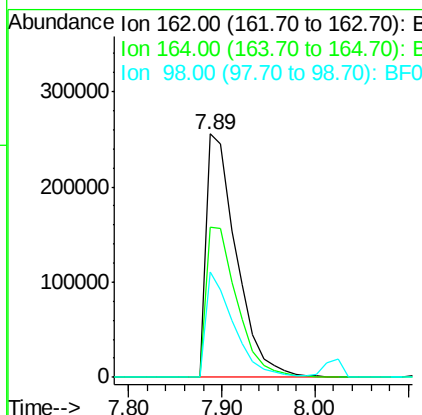
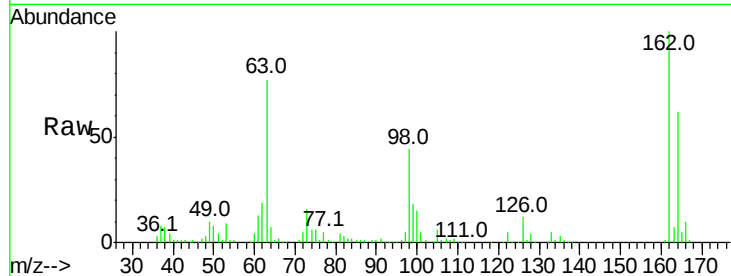
#29
 2,4-Dichlorophenol
 Concen: 55.40 ng
 RT: 7.89 min Scan# 525
 Delta R.T. -0.00 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Instrument :
 BNA_F
 ClientSampleId :
 D-112MSD

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	61.5	46.8	86.8
98	43.5	9.1	49.1

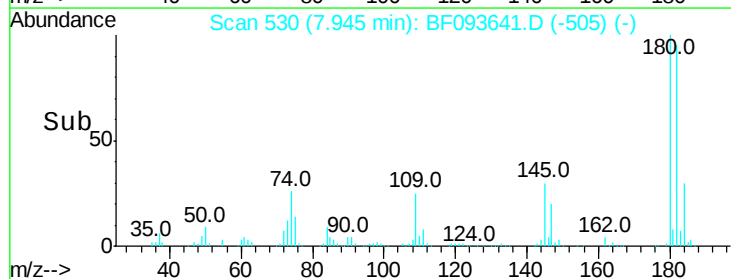
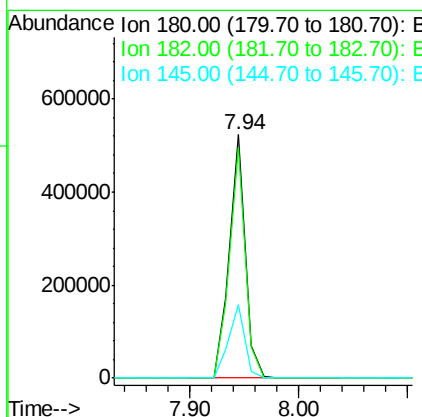
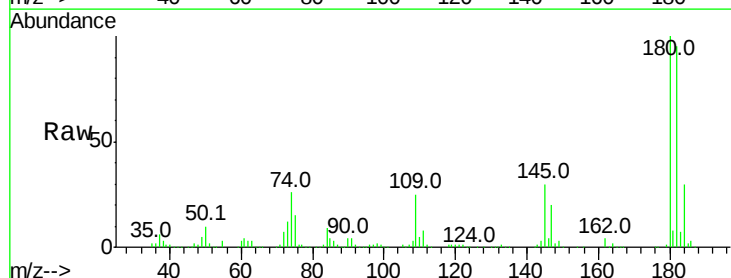
Manual Integrations
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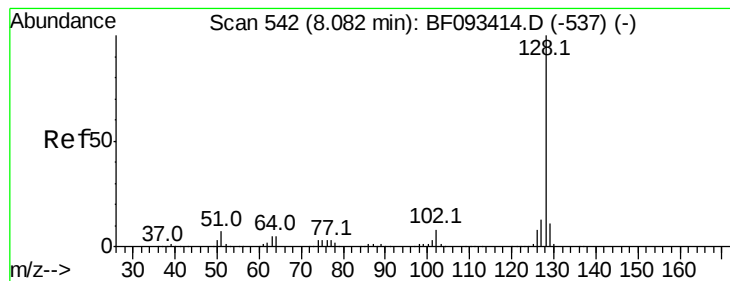
mohammad
 3/15/2017 5:38:42 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 47.62 ng
 RT: 7.94 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	95.0	78.2	117.4
145	30.0	21.6	32.4





#31

Naphthalene

Concen: 46.56 ng

RT: 8.02 min Scan# 537

Delta R.T. -0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

ClientSampleId :

D-112MSD

Tot Ion:128 Resp: 1721019

Ion Ratio Lower Upper

128 100

129 11.2 9.5 14.3

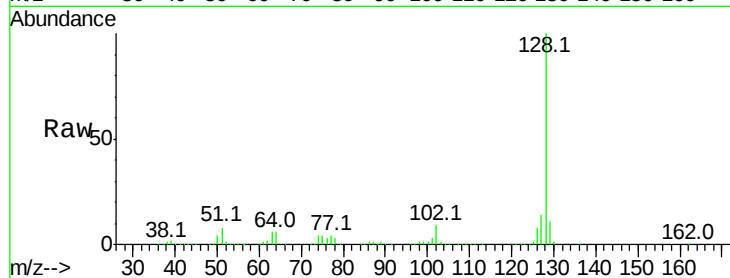
127 13.6 10.8 16.2

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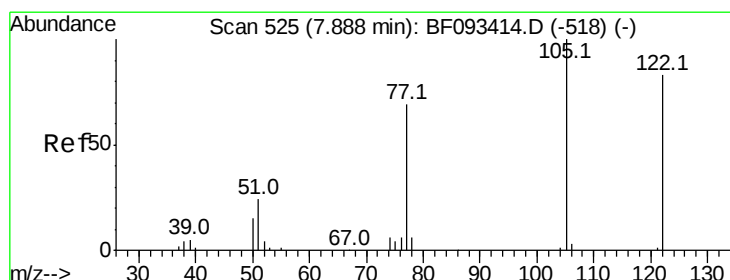
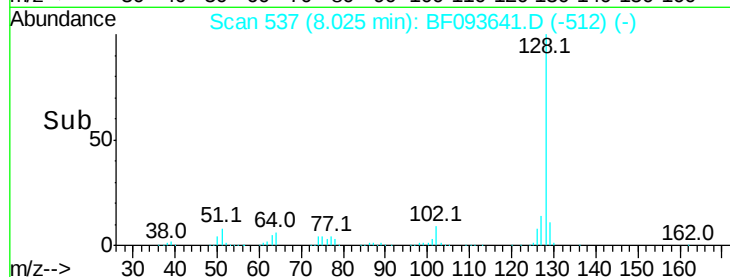
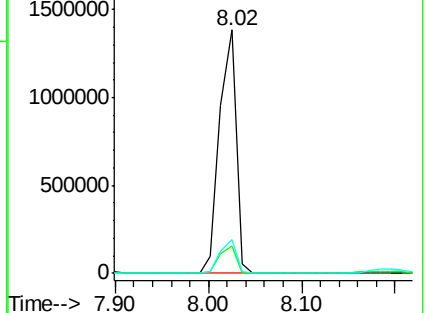
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 49.98 ng

RT: 7.86 min Scan# 523

Delta R.T. 0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

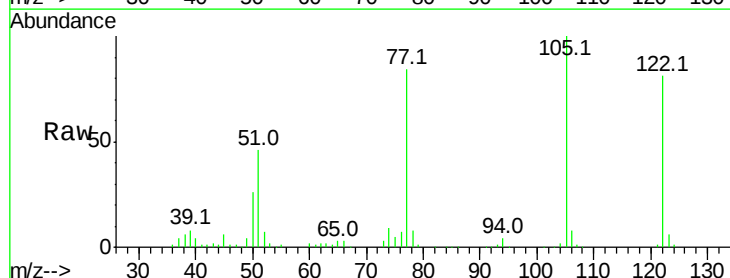
Tgt Ion:122 Resp: 287977

Ion Ratio Lower Upper

122 100

105 123.0 107.2 147.2

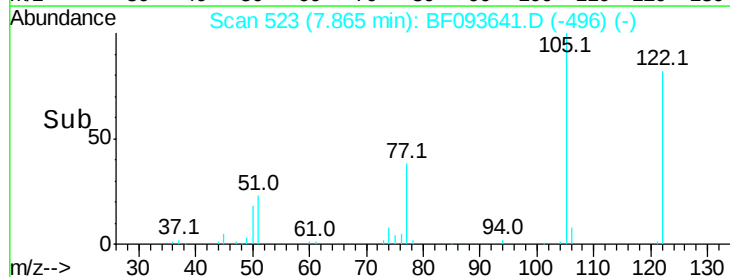
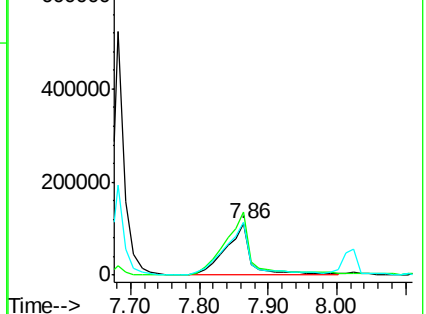
77 103.2 74.5 114.5

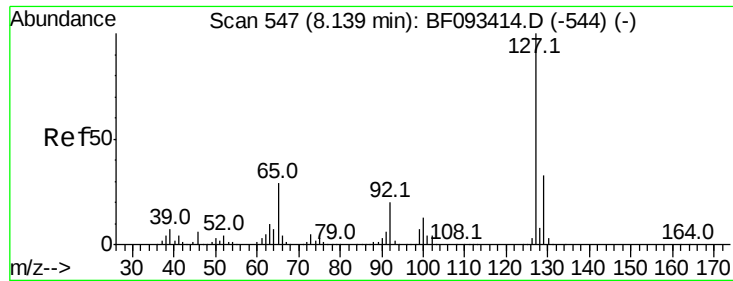


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





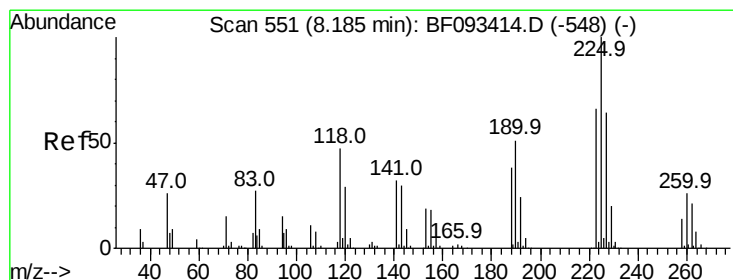
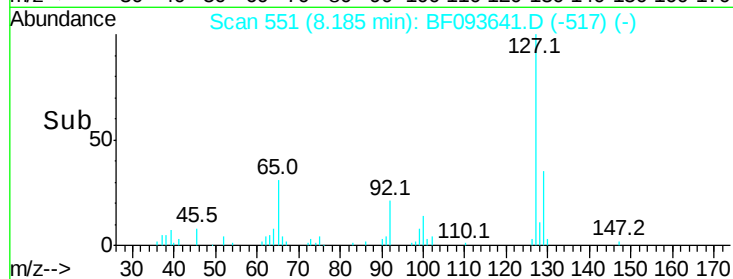
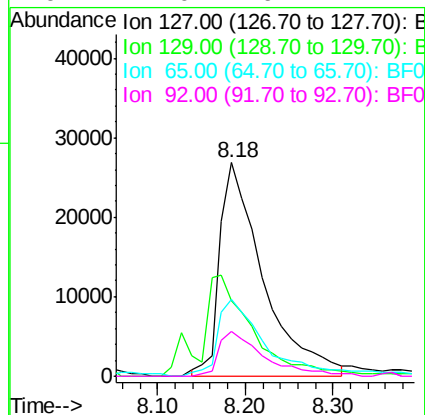
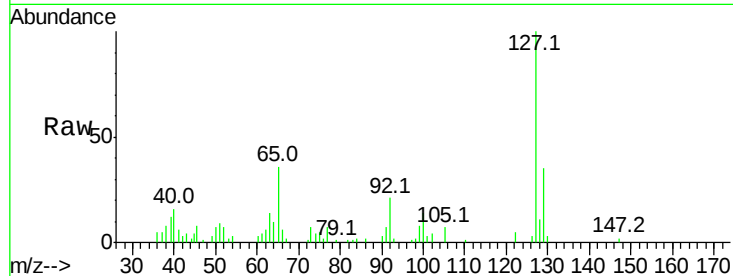
#33
4-Chloroaniline
Concen: 6.18 ng/ml
RT: 8.18 min Scan# 551
Delta R.T. 0.09 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Instrument :
BNA_F
ClientSampleId :
D-112MSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	35.2	26.3	39.5
65	36.1	25.8	38.8
92	21.0	16.1	24.1

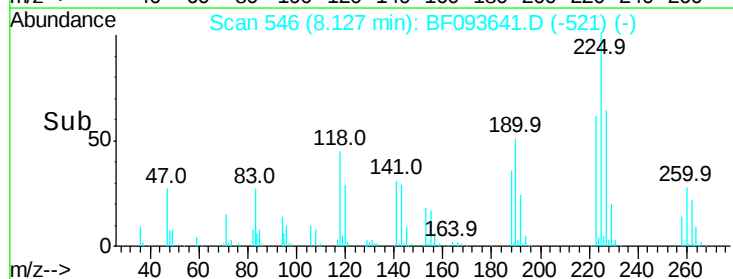
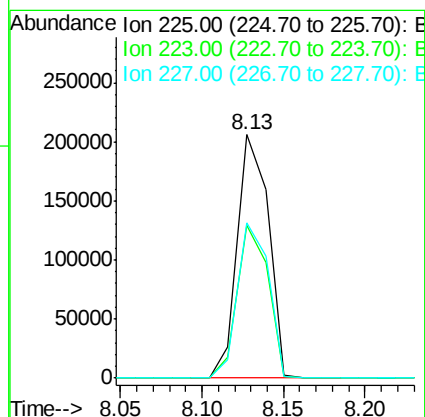
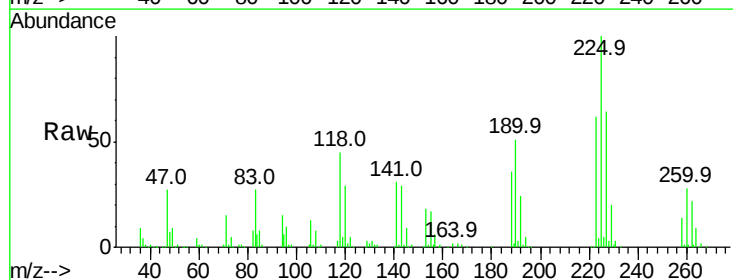
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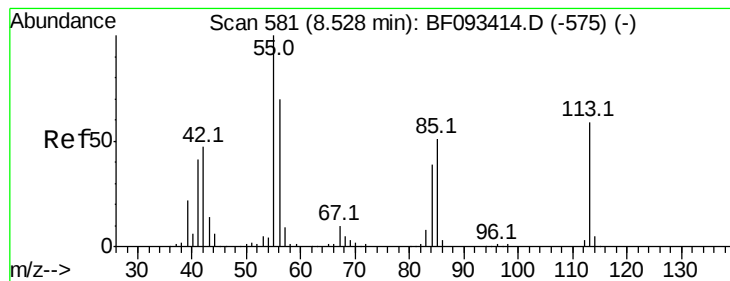
mohammad
3/15/2017 5:38:42 PM



#34
Hexachlorobutadiene
Concen: 47.27 ng/ml
RT: 8.13 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	51.0	76.6
227	63.6	50.6	76.0





#35

Caprolactam

Concen: 45.41 ng/mL

RT: 8.49 min Scan# 578

Delta R.T. 0.02 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

ClientSampleID :

D-112MSD

Tot Ion: 113 Resp: 161776

Ion Ratio Lower Upper

113 100

55 232.6 119.2 159.2#

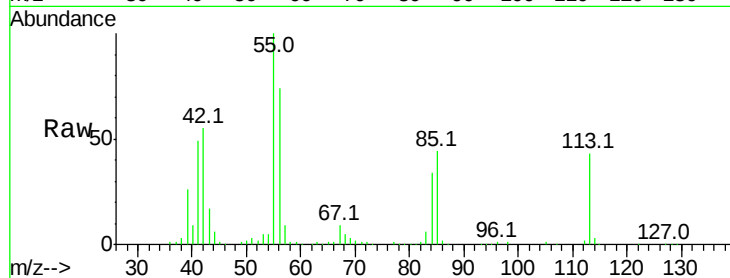
56 171.7 83.8 123.8#

Manual Integrations

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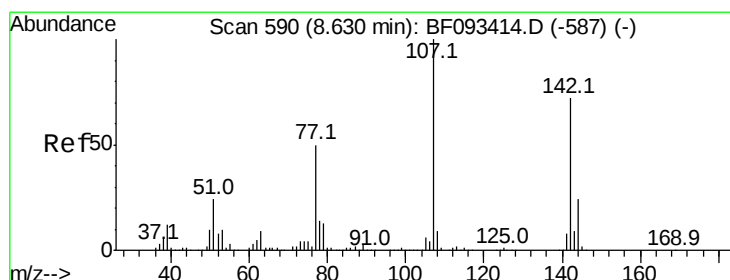
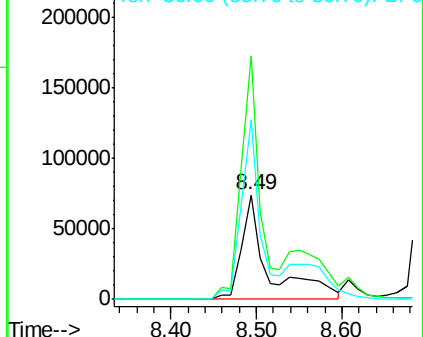
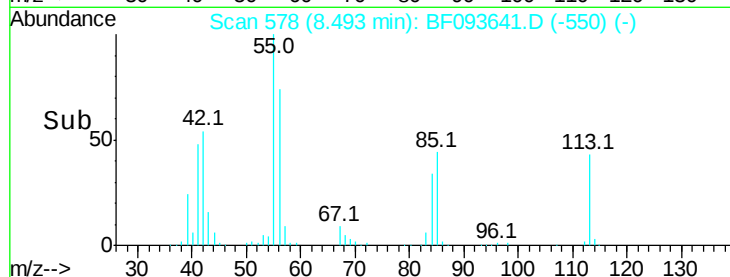
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 51.72 ng/mL

RT: 8.61 min Scan# 588

Delta R.T. 0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

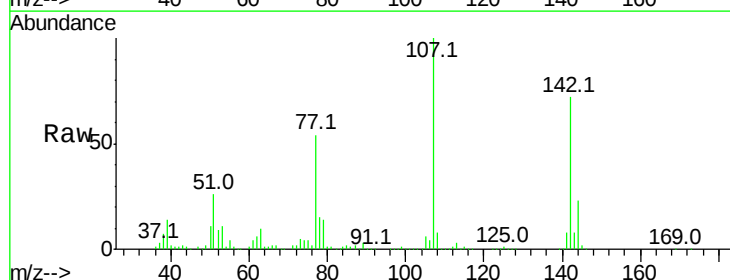
Tgt Ion: 107 Resp: 575803

Ion Ratio Lower Upper

107 100

144 23.2 19.3 28.9

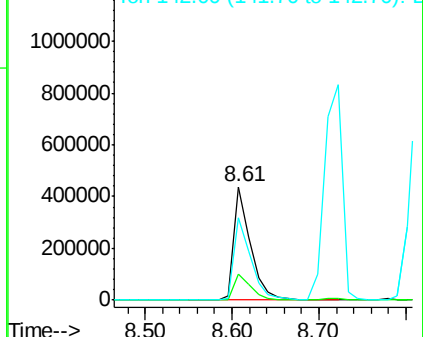
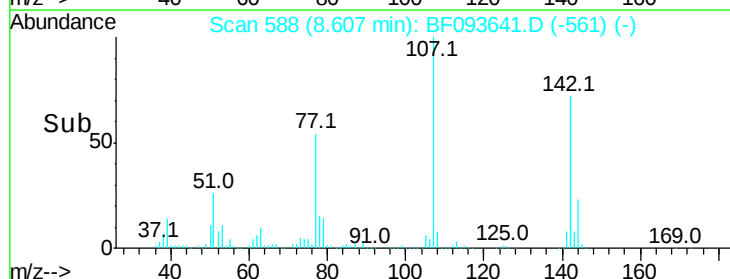
142 71.9 59.0 88.6

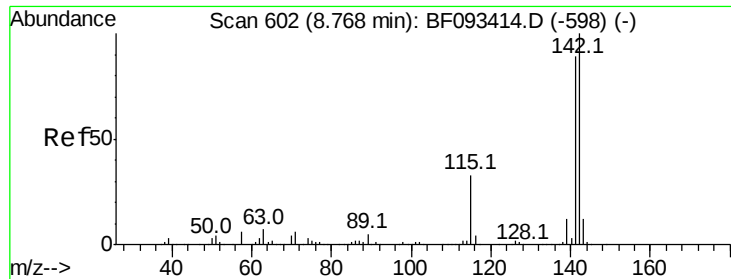


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





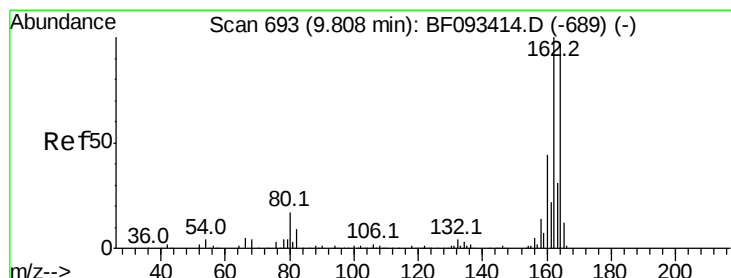
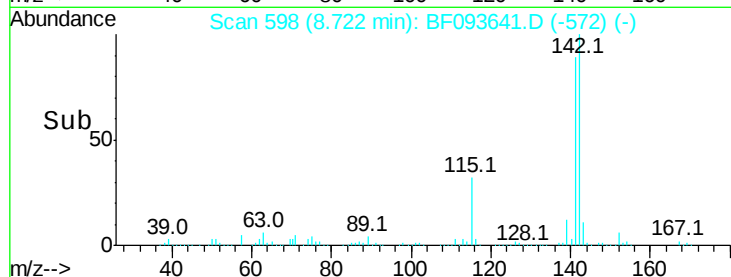
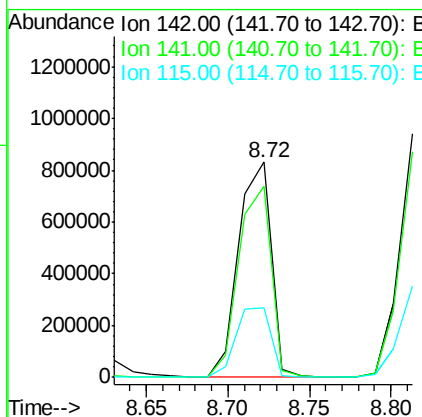
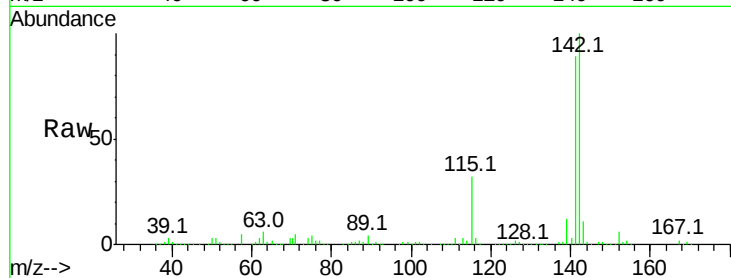
#37
2-Methylnaphthalene
Concen: 49.04 ng
RT: 8.72 min Scan# 598
Delta R.T. -0.00 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Instrument :
BNA_F
ClientSampleId :
D-112MSD

Tot Ion:142 Resp: 1153281
Ion Ratio Lower Upper
142 100
141 88.6 71.0 106.6
115 32.4 28.3 42.5

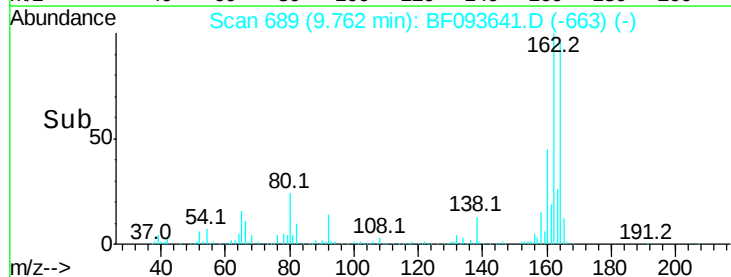
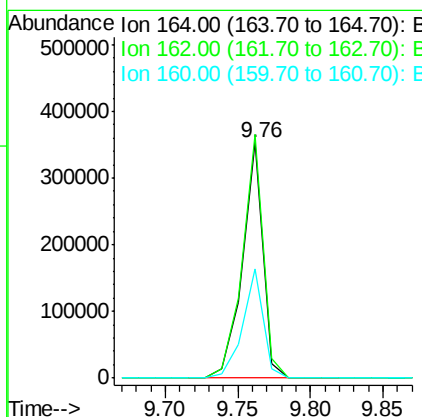
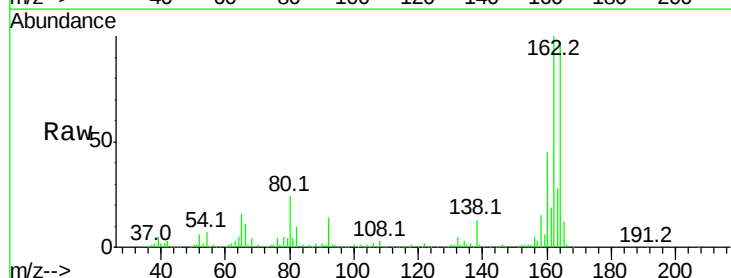
Manual Integrations
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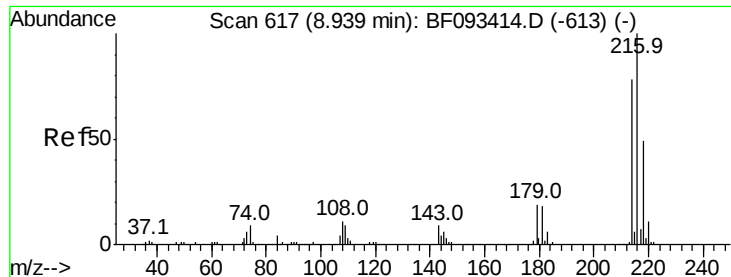
mohammad
3/15/2017 5:38:42 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.76 min Scan# 689
Delta R.T. -0.00 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Tgt Ion:164 Resp: 346268
Ion Ratio Lower Upper
164 100
162 103.4 80.2 120.2
160 46.3 36.9 55.3





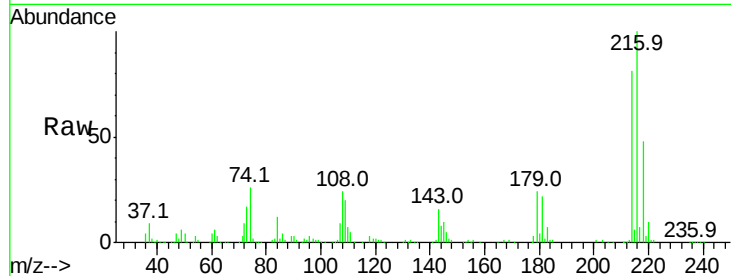
#39
1,2,4,5-Tetrachlorobenzene
Concen: 53.11 ng
RT: 8.88 min Scan# 612
Delta R.T. -0.01 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Instrument :
BNA_F
ClientSampleId :
D-112MSD

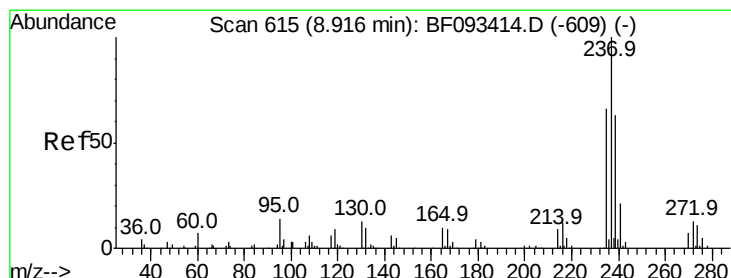
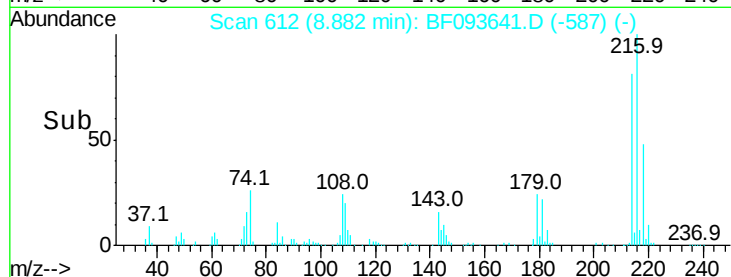
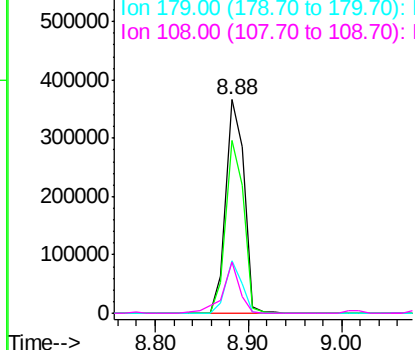
Tot Ion	Ratio	Resp	Lower	Upper
216	100	502154		
214	79.5	63.4	95.0	
179	21.9	17.4	26.2	
108	23.0	15.6	23.4	

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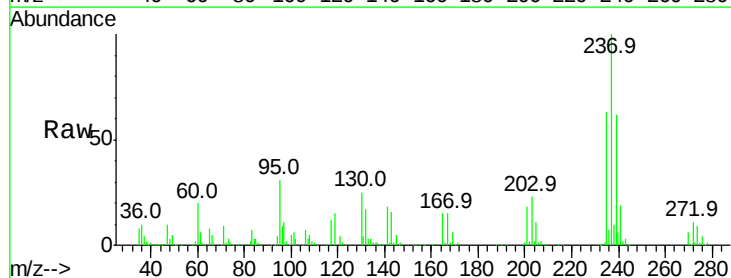


Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E

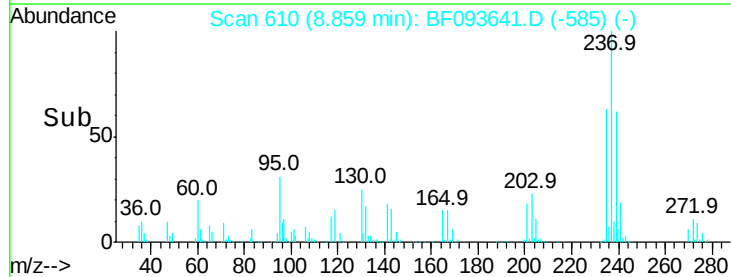
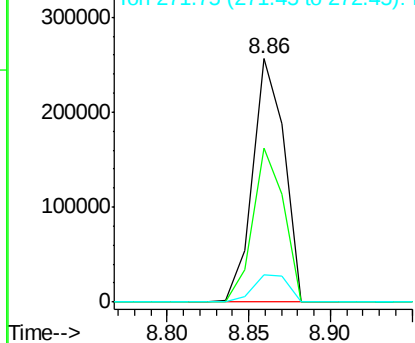


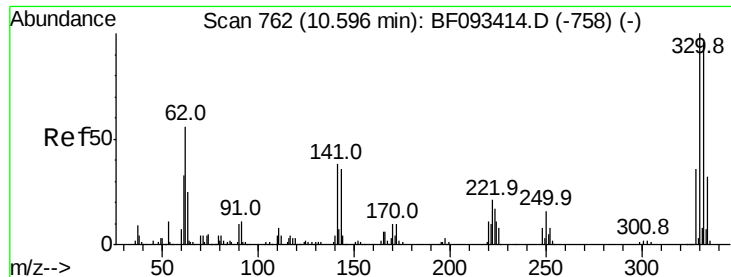
#40
Hexachlorocyclopentadiene
Concen: 134.11 ng
RT: 8.86 min Scan# 610
Delta R.T. -0.01 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	342932		
235	63.0	41.2	81.2	
272	11.1	0.0	35.4	



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E





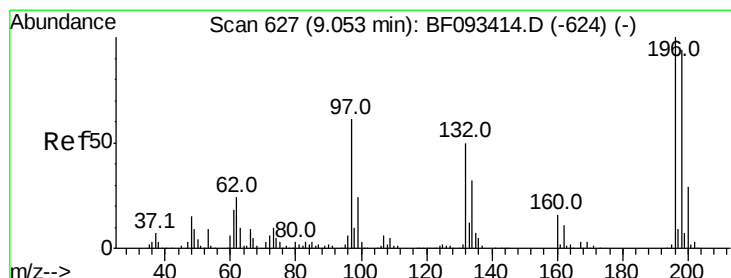
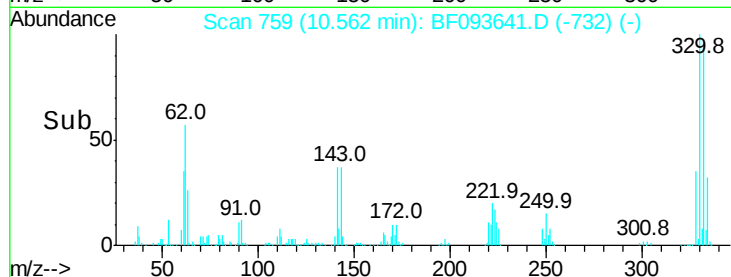
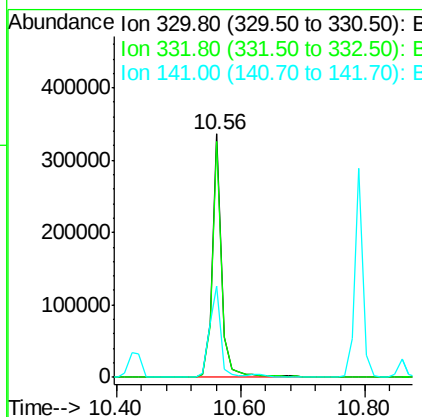
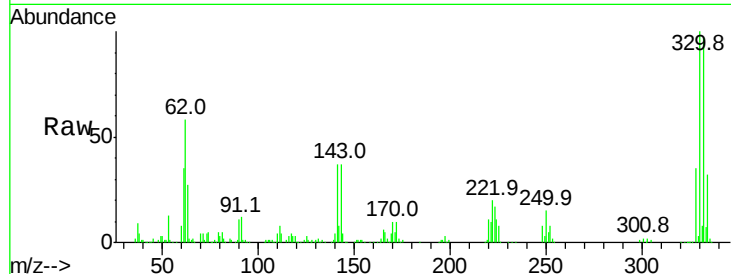
#41
 2,4,6-Tribromophenol
 Concen: 156.89 ng
 RT: 10.56 min Scan# 759
 Delta R.T. 0.01 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Instrument :
 BNA_F
 ClientSampled :
 D-112MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.2		77.4	116.2
141	44.0		34.1	51.1

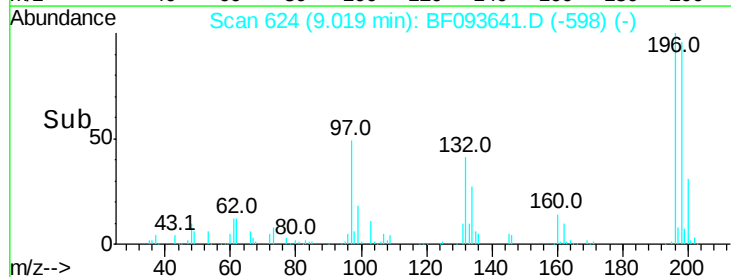
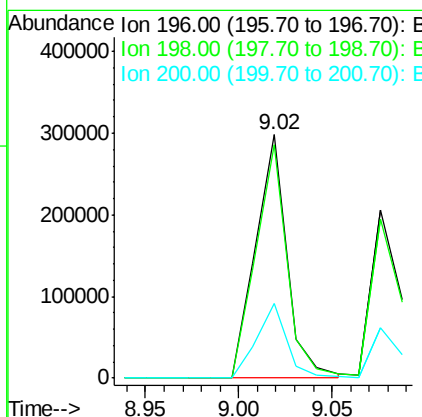
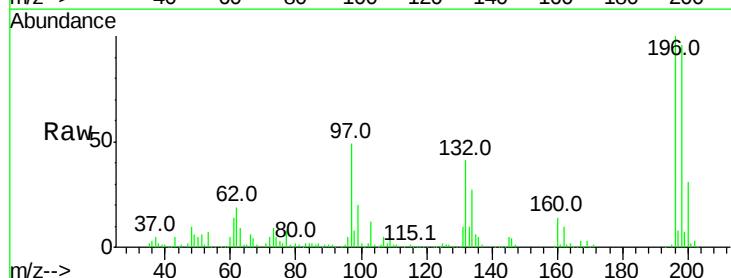
Manual Integrations
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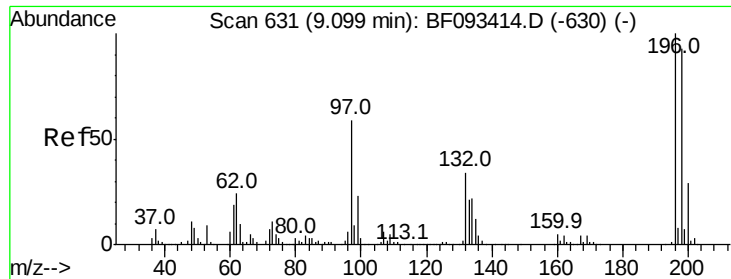
mohammad
 3/15/2017 5:38:42 PM



#42
 2,4,6-Trichlorophenol
 Concen: 58.58 ng
 RT: 9.02 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	95.8		82.1	123.1
200	30.9		27.0	40.4





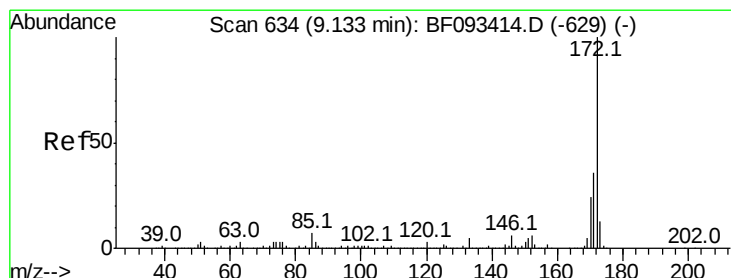
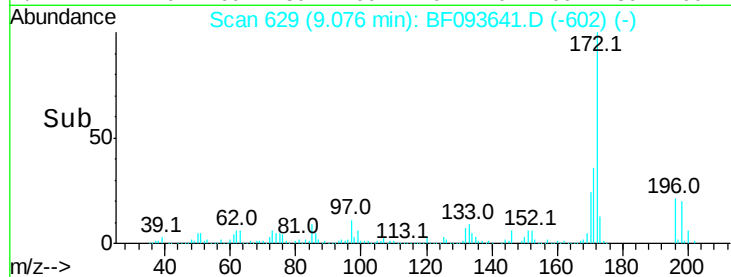
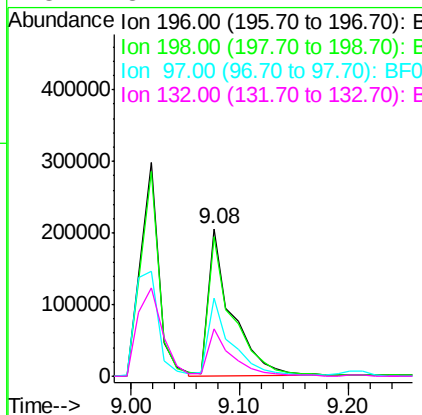
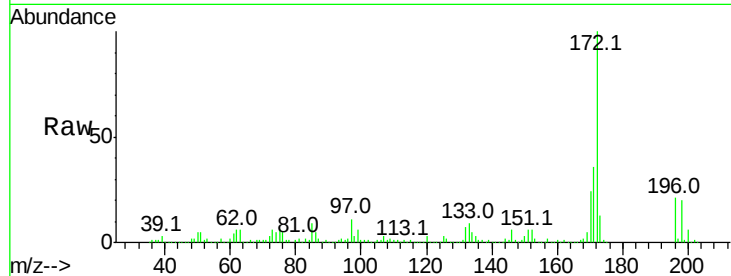
#43
 2,4,5-Trichlorophenol
 Concen: 48.82 ng
 RT: 9.08 min Scan# 629
 Delta R.T. 0.01 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Instrument :
 BNA_F
 ClientSampleId :
 D-112MSD

Tot Ion	196	Resp	309476
Ion Ratio	Lower	Upper	
196	100		
198	94.6	79.4	119.2
97	53.2	51.5	77.3
132	32.1	27.4	41.2

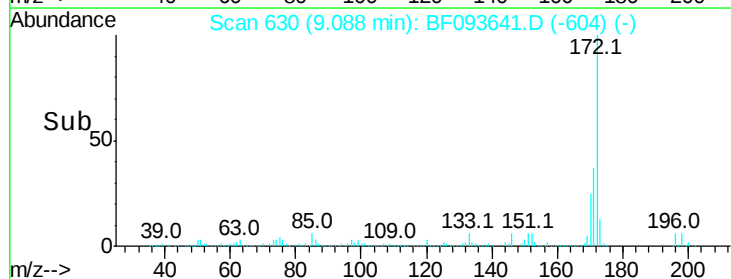
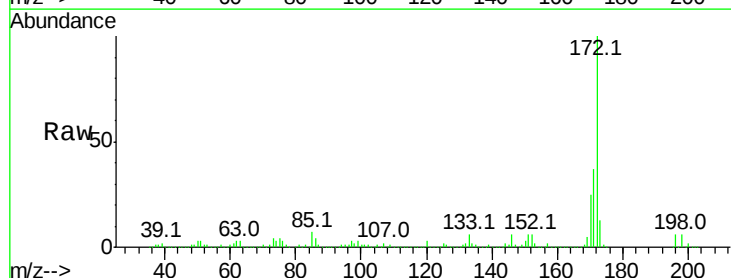
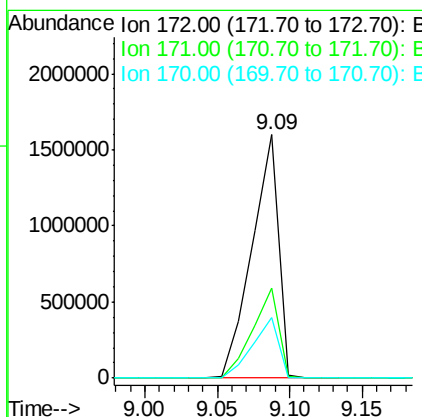
Manual Integrations
 APPROVED

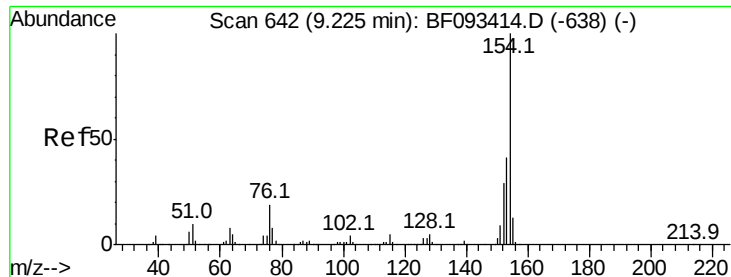
mohammad
 3/15/2017 5:38:42 PM



#44
 2-Fluorobiphenyl
 Concen: 109.74 ng
 RT: 9.09 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Tgt Ion	172	Resp	2043025
Ion Ratio	Lower	Upper	
172	100		
171	36.8	29.4	44.0
170	24.6	20.2	30.4





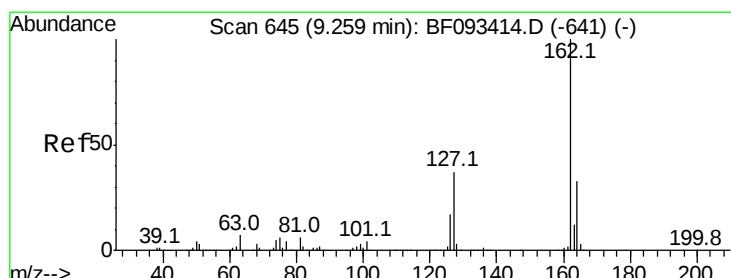
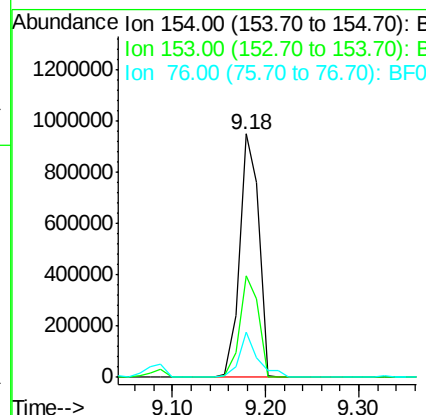
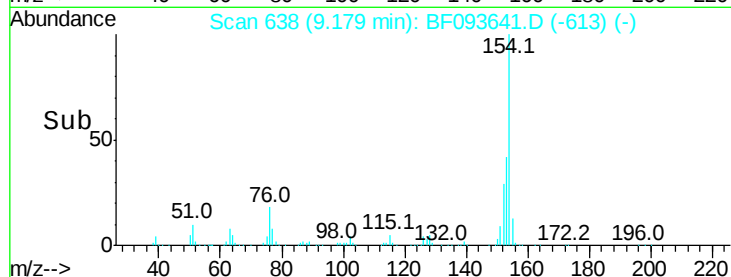
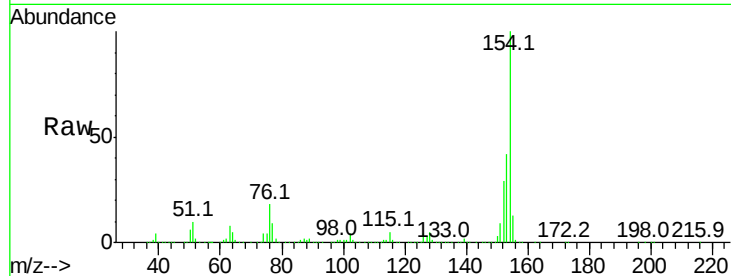
#45
 1,1'-Biphenyl
 Concen: 53.91 ng
 RT: 9.18 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Instrument :
 BNA_F
 ClientSampleId :
 D-112MSD

Tot Ion:154 Resp: 1359860
 Ion Ratio Lower Upper
 154 100
 153 41.9 20.9 60.9
 76 18.3 0.0 30.5

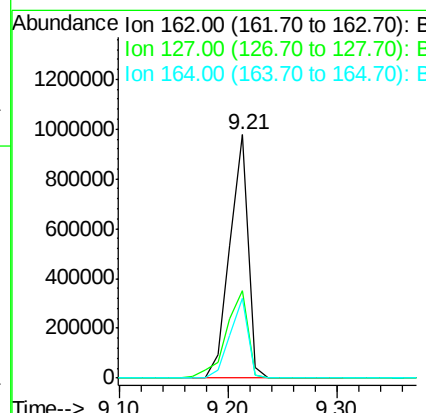
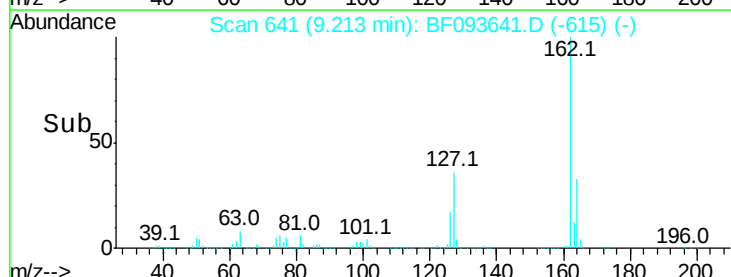
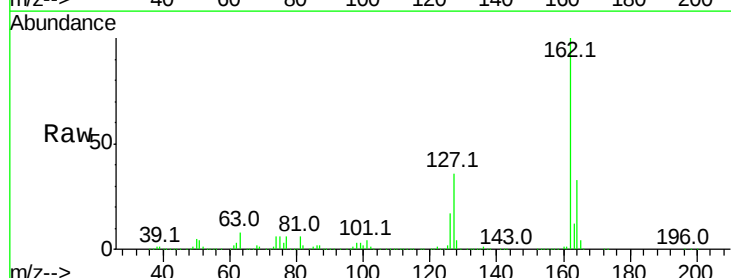
Manual Integrations
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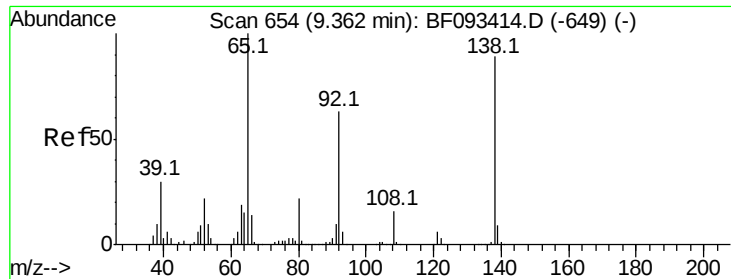
mohammad
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#46
 2-Chloronaphthalene
 Concen: 58.93 ng
 RT: 9.21 min Scan# 641
 Delta R.T. -0.00 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Tgt Ion:162 Resp: 1137902
 Ion Ratio Lower Upper
 162 100
 127 36.1 30.7 46.1
 164 32.9 27.6 41.4





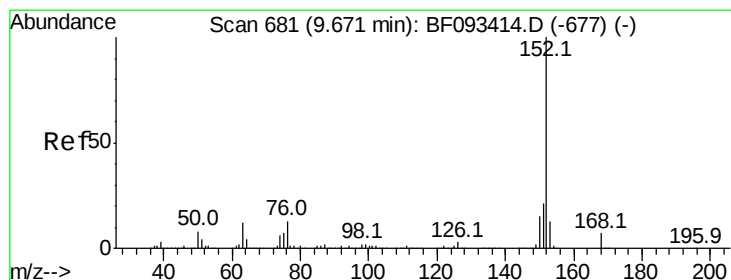
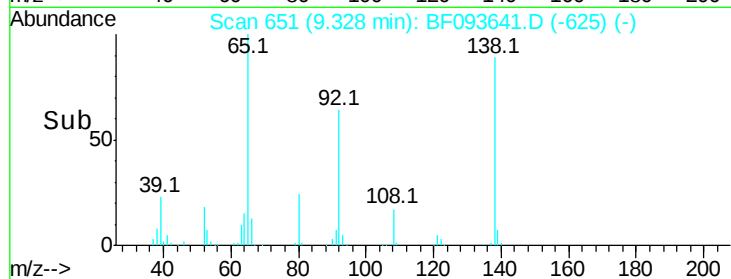
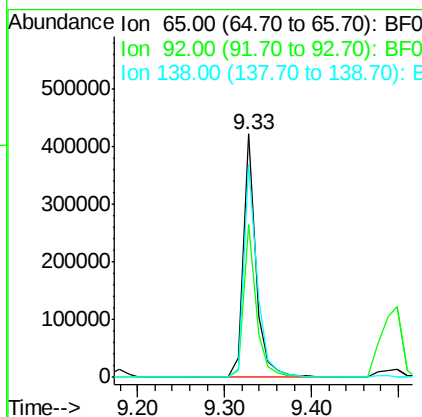
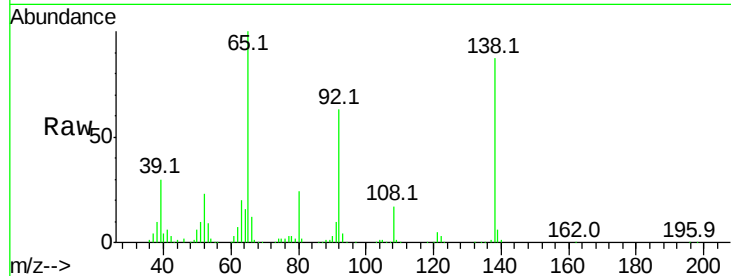
#47
2-Nitroaniline
Concen: 61.96 ng
RT: 9.33 min Scan# 651
Delta R.T. -0.00 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Instrument :
BNA_F
ClientSampleId :
D-112MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	62.9	53.9	80.9
138	87.2	76.8	115.2

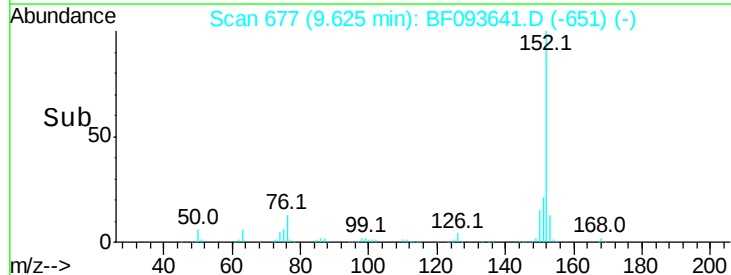
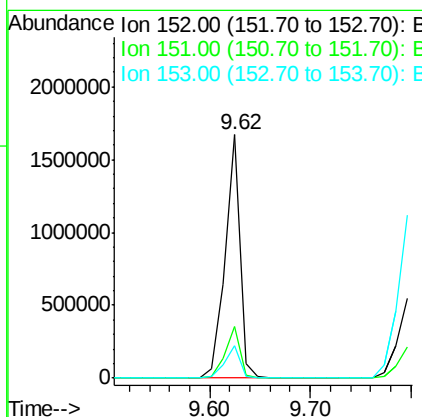
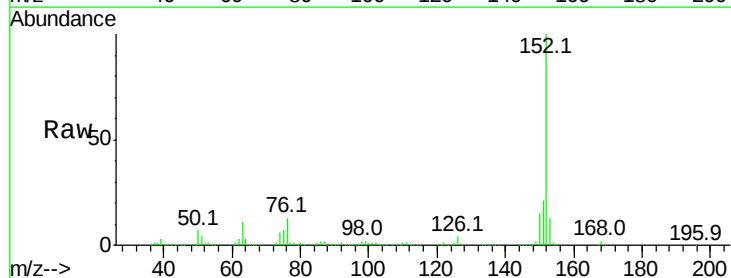
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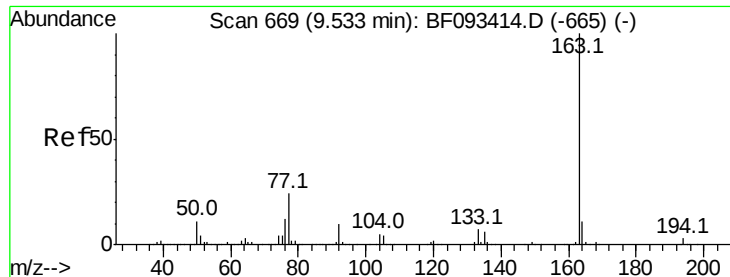
mohammad
3/15/2017 5:38:42 PM



#48
Acenaphthylene
Concen: 53.72 ng
RT: 9.62 min Scan# 677
Delta R.T. -0.00 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.2	16.9	25.3
153	13.3	11.4	17.2





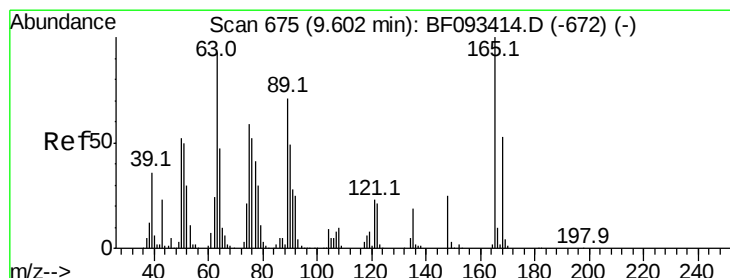
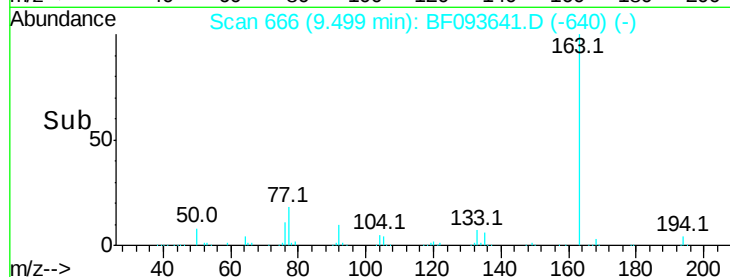
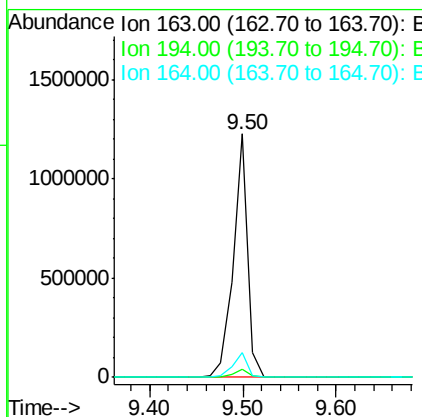
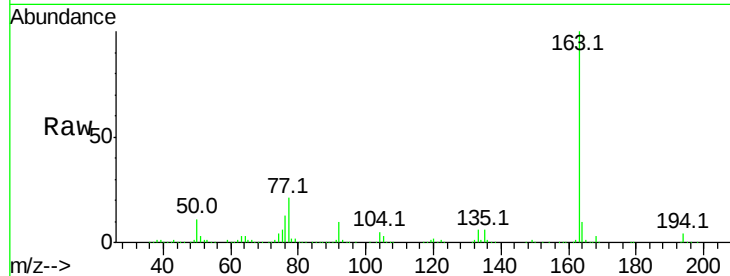
#49
Dimethylphthalate
Concen: 57.39 ng
RT: 9.50 min Scan# 666
Delta R.T. -0.00 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Instrument :
BNA_F
ClientSampleId :
D-112MSD

Tot Ion:163 Resp: 1317440
Ion Ratio Lower Upper
163 100
194 3.5 3.0 4.4
164 10.4 8.0 12.0

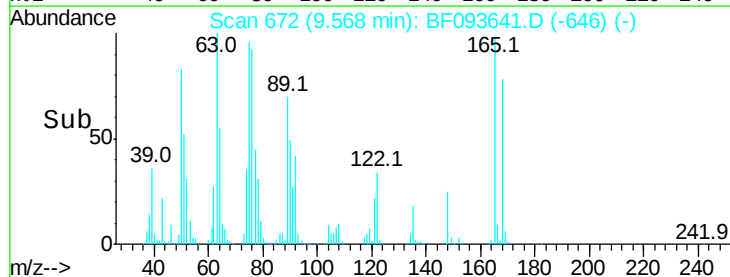
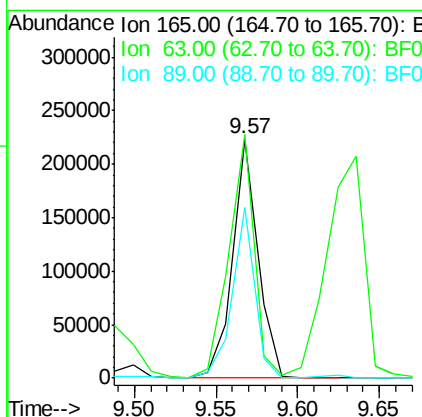
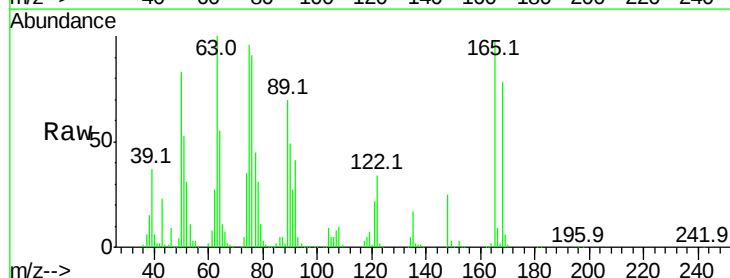
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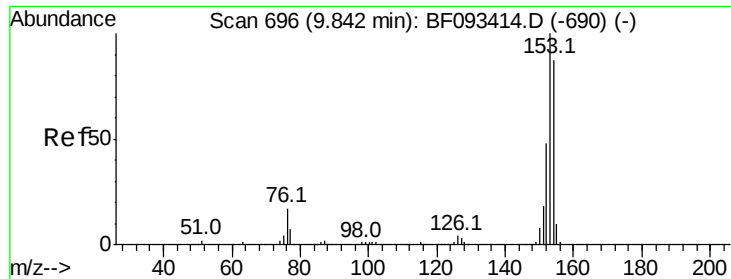
mohammad
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#50
2,6-Dinitrotoluene
Concen: 47.64 ng
RT: 9.57 min Scan# 672
Delta R.T. -0.00 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Tgt Ion:165 Resp: 239949
Ion Ratio Lower Upper
165 100
63 101.9 36.2 54.4#
89 71.6 40.2 60.4#





#51

Acenaphthene

Concen: 55.31 ng

RT: 9.80 min Scan# 692

Delta R.T. -0.00 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

ClientSampleId :

D-112MSD

Tot Ion:154 Resp: 1041612

Ion Ratio Lower Upper

154 100

153 113.7 88.6 133.0

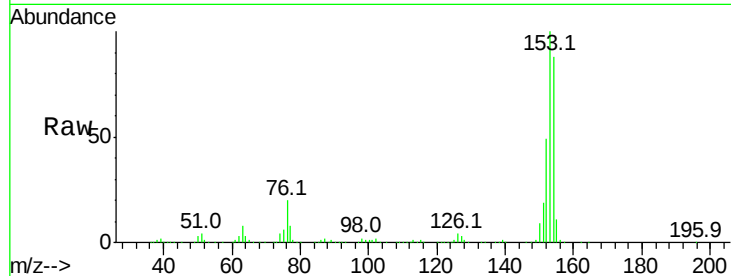
152 55.5 41.6 62.4

Manual Integrations

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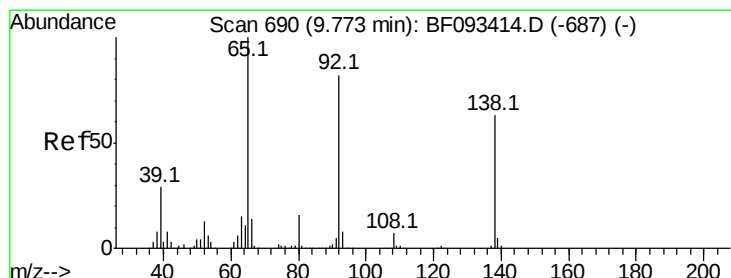
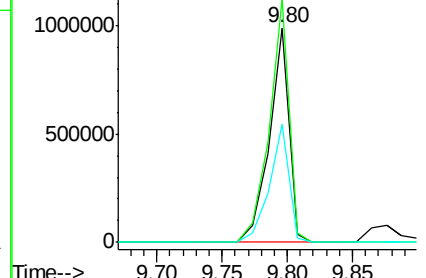
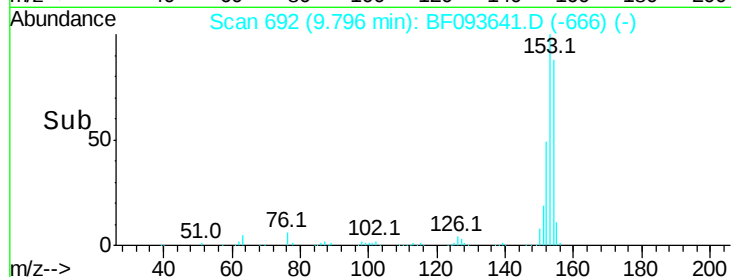
3/15/2017 5:38:42 PM



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: 23.24 ng

RT: 9.75 min Scan# 688

Delta R.T. 0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

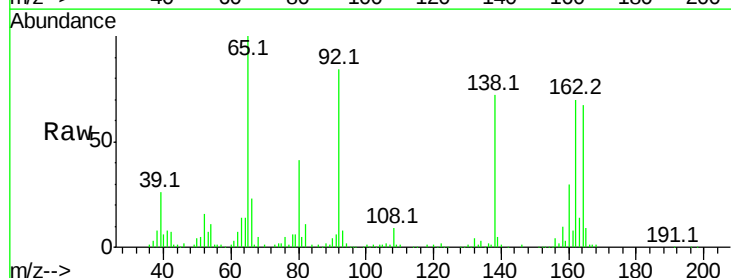
Tgt Ion:138 Resp: 140653

Ion Ratio Lower Upper

138 100

108 13.2 8.5 12.7#

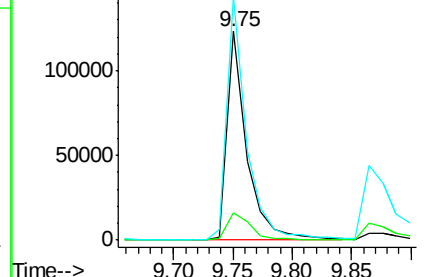
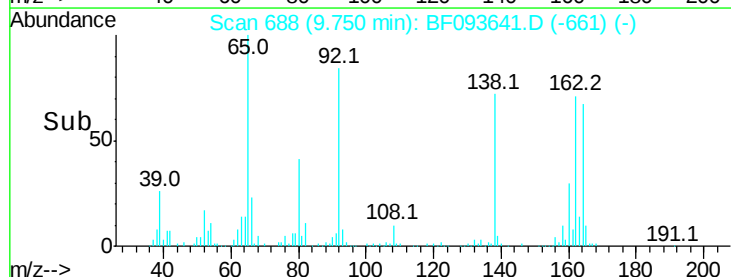
92 116.6 97.8 146.8

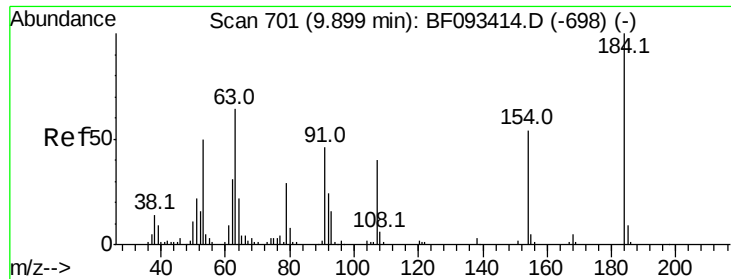


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





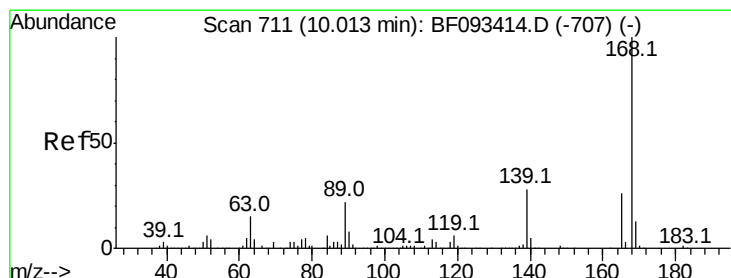
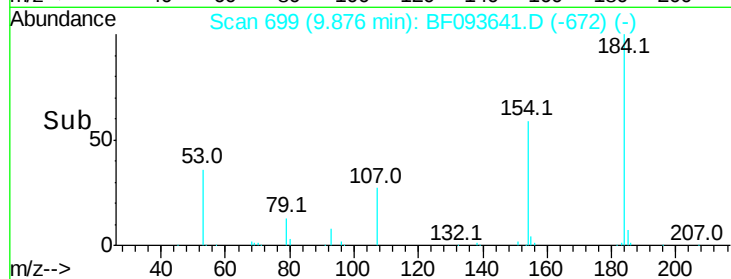
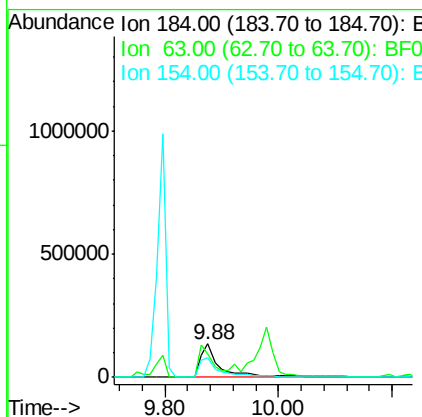
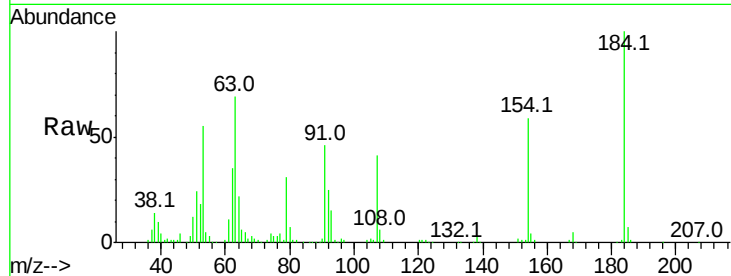
#53
2,4-Dinitrophenol
Concen: 139.87 ng
RT: 9.88 min Scan# 699
Delta R.T. 0.01 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Instrument :
BNA_F
ClientSampleId :
D-112MSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
63	69.1	28.4	42.6	
154	59.1	44.3	66.5	

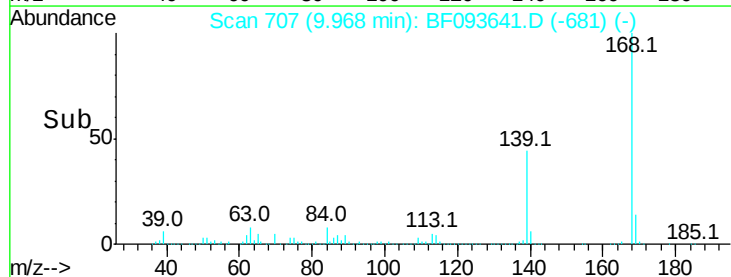
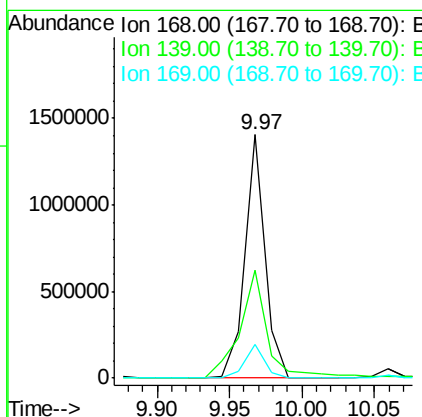
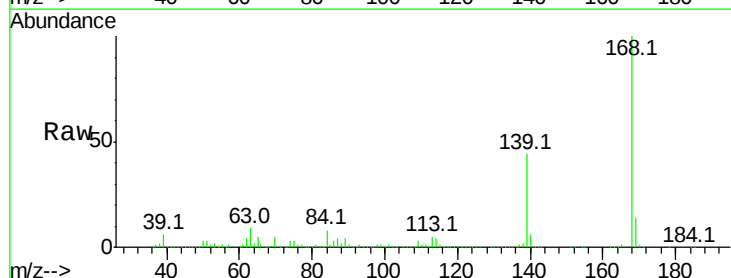
Manual Integrations
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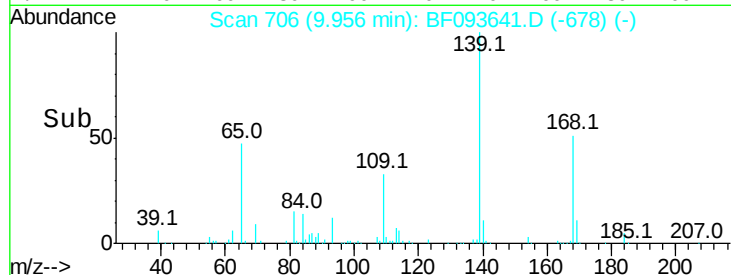
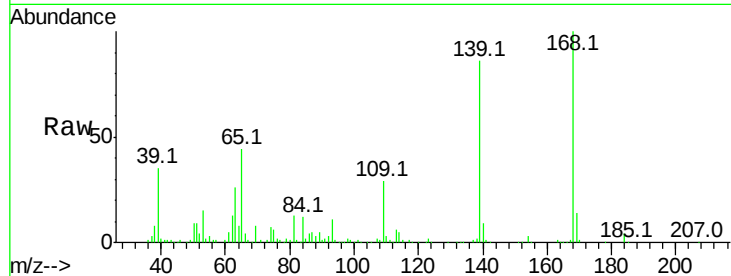
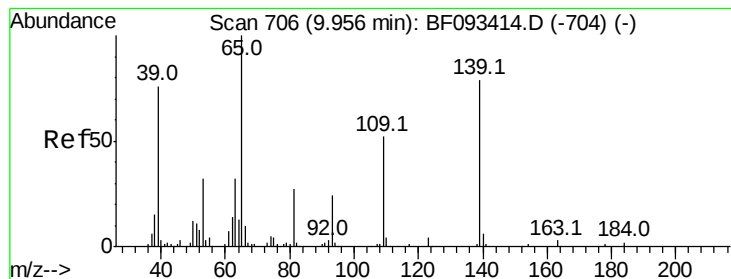
mohammad
3/15/2017 5:38:42 PM



#54
Dibenzofuran
Concen: 57.20 ng
RT: 9.97 min Scan# 707
Delta R.T. -0.00 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	44.2	32.6	49.0	
169	13.7	11.3	16.9	





#55

4-Nitrophenol

Concen: 76.34 ng/mL

RT: 9.96 min Scan# 706

Delta R.T. 0.02 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Tot Ion:	139	Resp:	224393
Ion Ratio	Lower	Upper	
139	100		
109	33.6	52.2	92.2#
65	51.0	85.8	125.8#

Instrument :

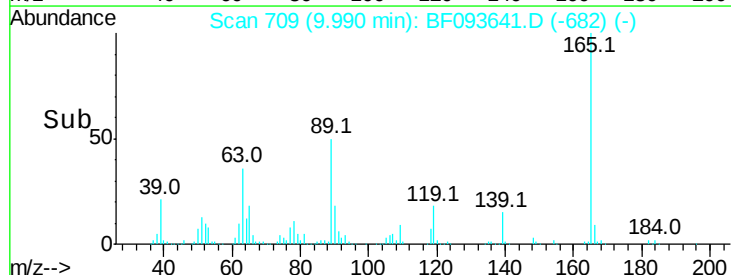
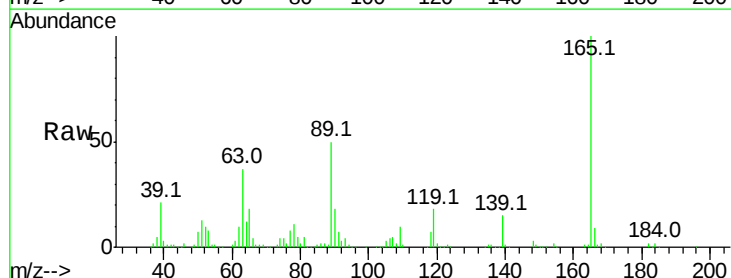
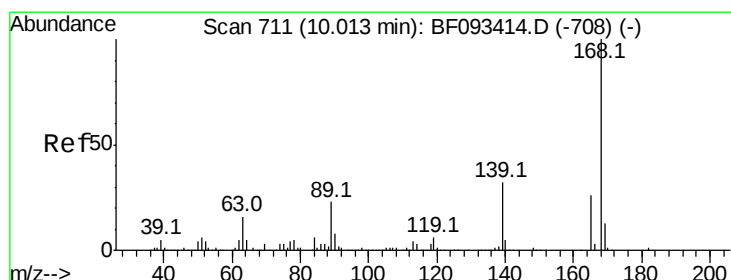
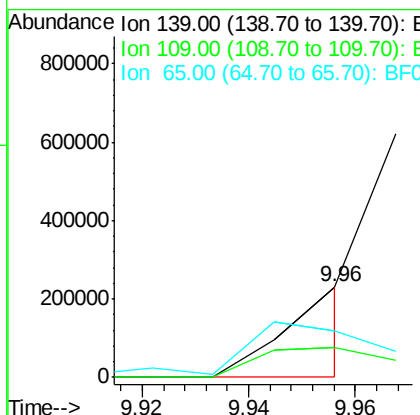
BNA_F

ClientSampled :

D-112MSD

Manual Integrations
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#56

2,4-Dinitrotoluene

Concen: 63.82 ng/mL

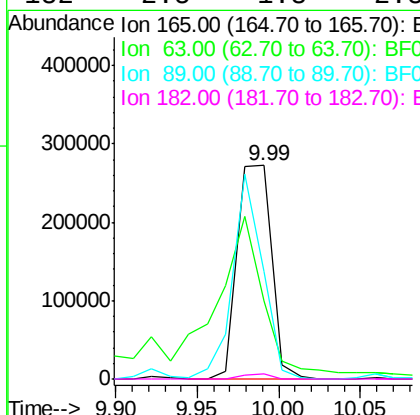
RT: 9.99 min Scan# 709

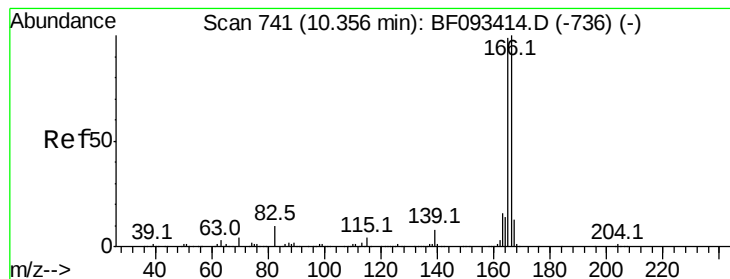
Delta R.T. 0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Tgt Ion:	165	Resp:	394958
Ion Ratio	Lower	Upper	
165	100		
63	36.8	40.2	60.4#
89	50.2	62.5	93.7#
182	2.5	1.8	2.8





#57

Fluorene

Concen: 52.99 ng

RT: 10.31 min Scan# 737

Delta R.T. -0.00 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

ClientSampleId :

D-112MSD

Tot Ion:166 Resp: 1058398

Ion Ratio Lower Upper

166 100

165 98.9 77.8 116.8

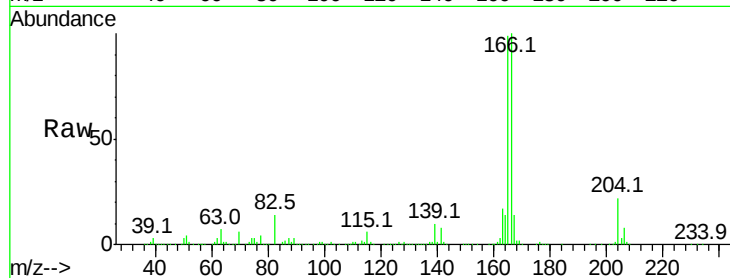
167 13.7 10.8 16.2

Manual Integrations

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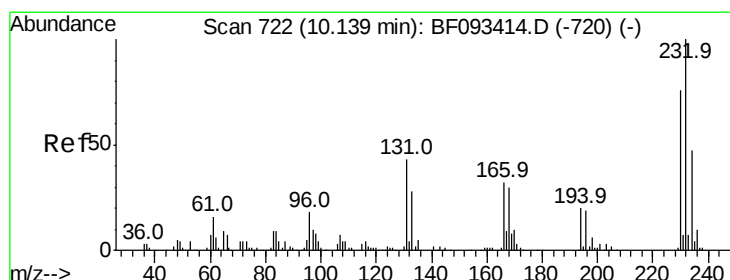
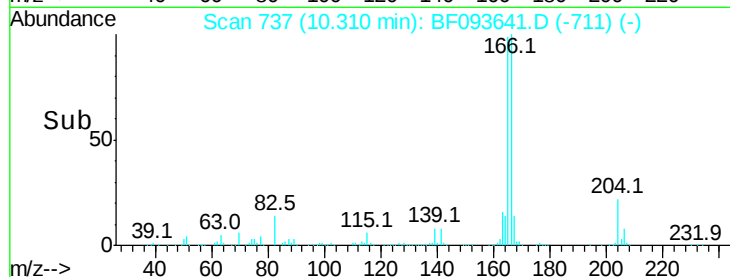
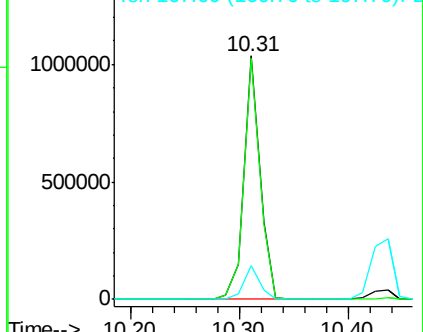
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 66.96 ng

RT: 10.10 min Scan# 719

Delta R.T. 0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Tgt Ion:232 Resp: 299565

Ion Ratio Lower Upper

232 100

131 50.6 40.1 60.1

130 2.6 1.8 2.8

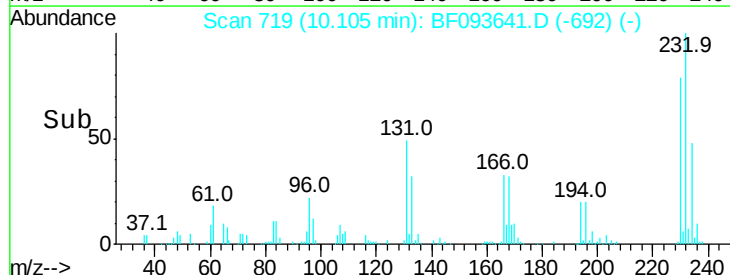
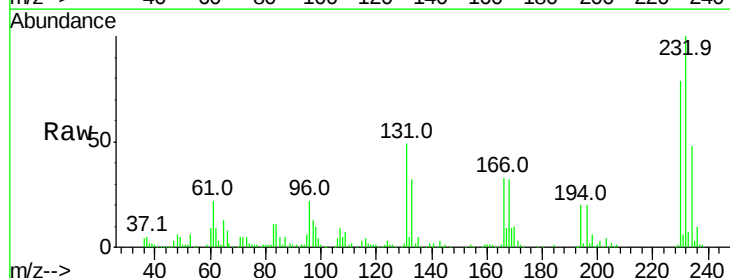
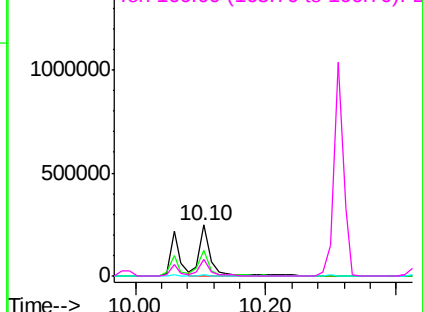
166 31.3 26.6 39.8

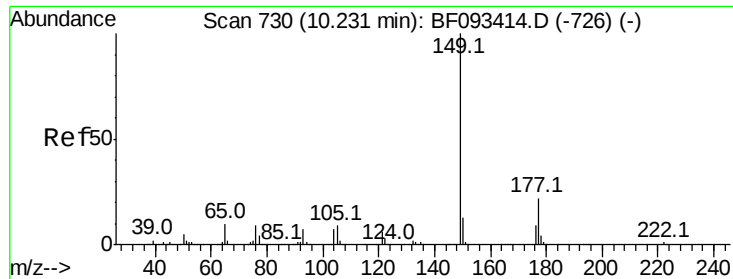
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





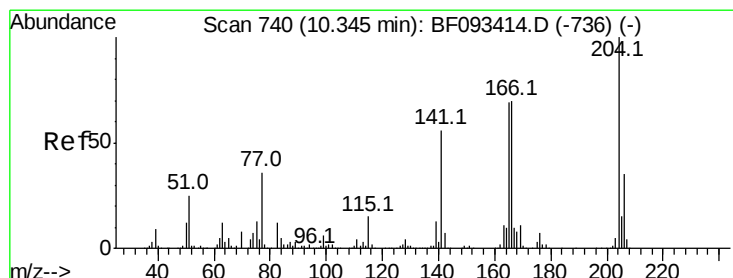
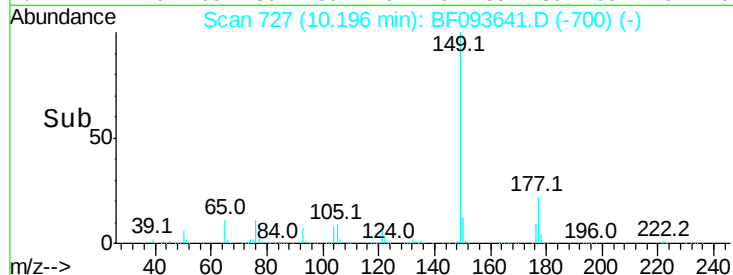
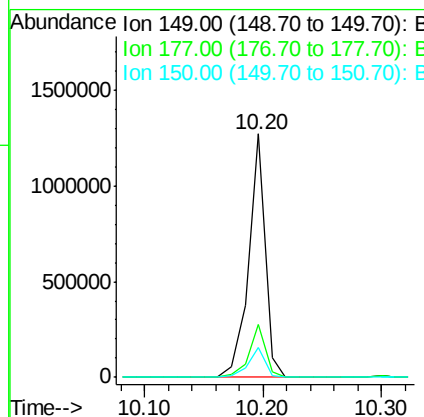
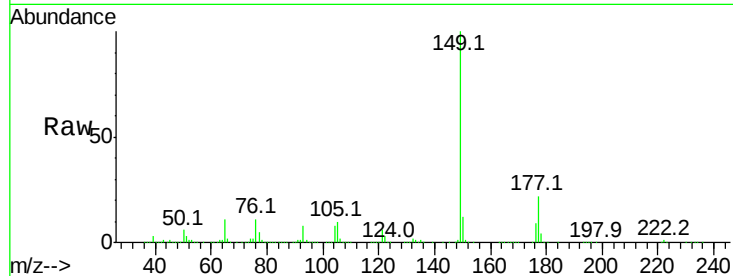
#59
Diethylphthalate
Concen: 56.63 ng
RT: 10.20 min Scan# 727
Delta R.T. 0.01 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Instrument :
BNA_F
ClientSampleId :
D-112MSD

Tot Ion:149 Resp: 1242371
Ion Ratio Lower Upper
149 100
177 21.5 16.6 25.0
150 12.5 10.4 15.6

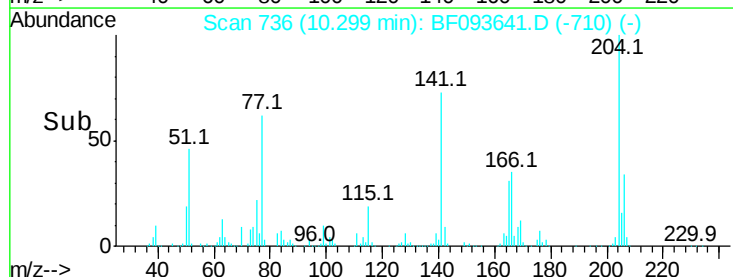
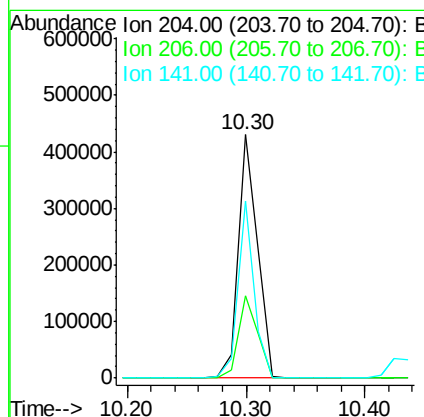
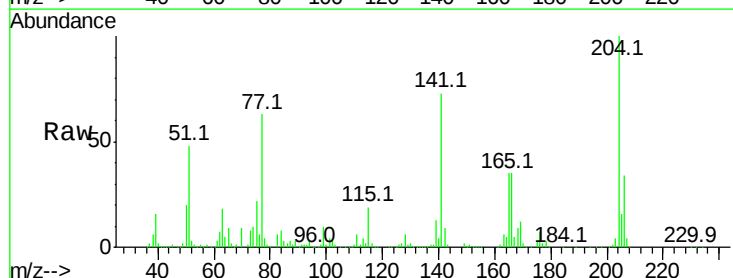
Manual Integrations
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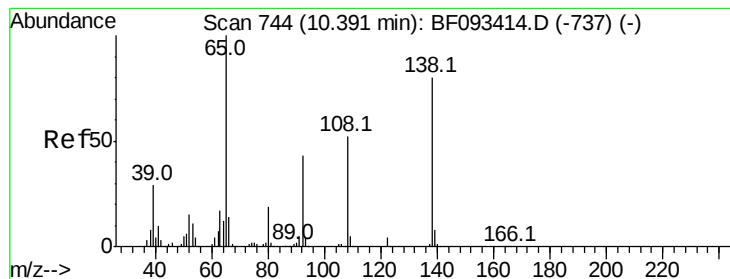
mohammad
3/15/2017 5:38:42 PM



#60
4-Chlorophenyl-phenylether
Concen: 53.93 ng
RT: 10.30 min Scan# 736
Delta R.T. -0.00 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Tgt Ion:204 Resp: 482769
Ion Ratio Lower Upper
204 100
206 34.0 25.8 38.6
141 72.7 59.4 89.0





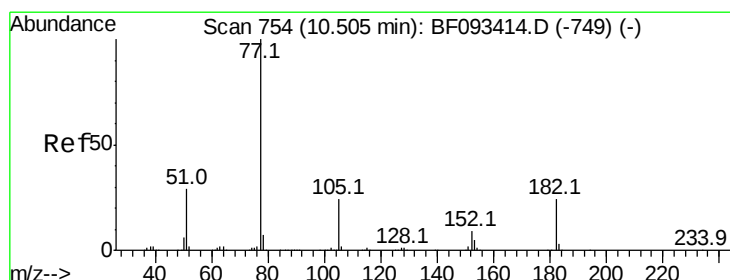
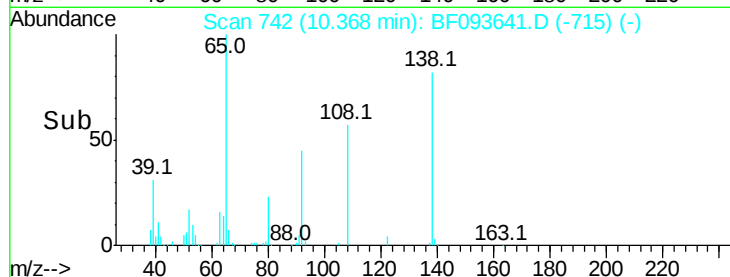
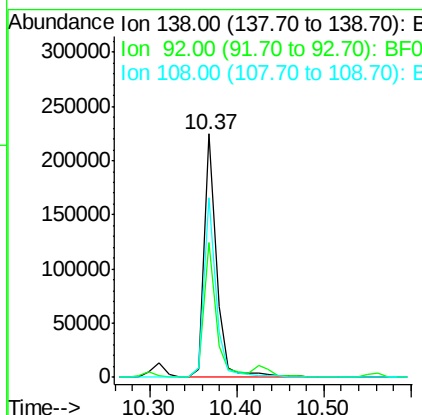
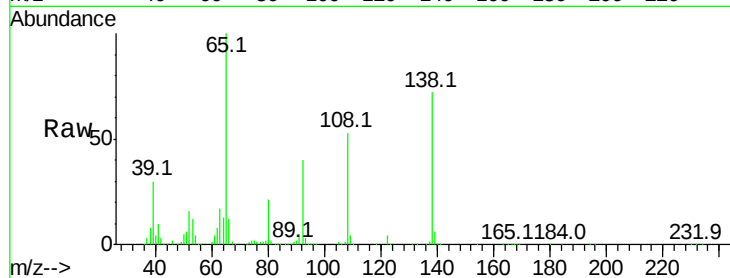
#61
4-Nitroaniline
Concen: 36.23 ng
RT: 10.37 min Scan# 742
Delta R.T. 0.01 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Instrument :
BNA_F
ClientSampleId :
D-112MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	55.3	31.7	71.7
108	73.7	52.6	92.6

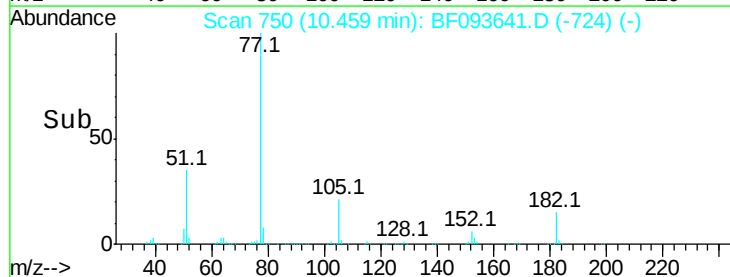
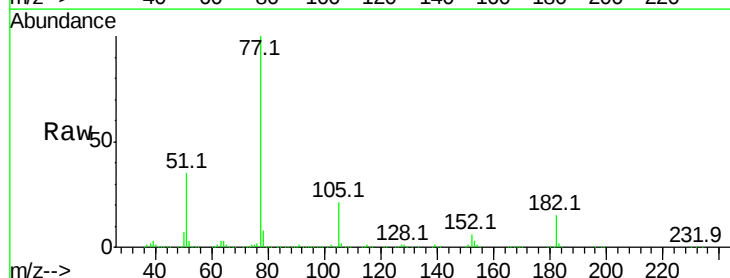
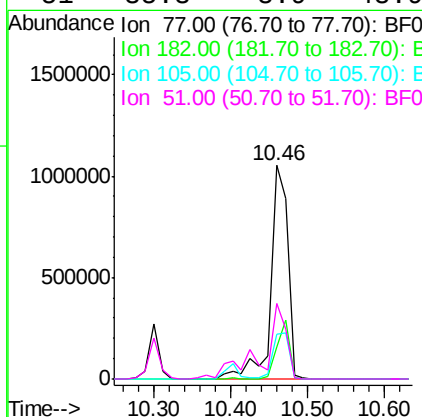
Manual Integrations
APPROVED

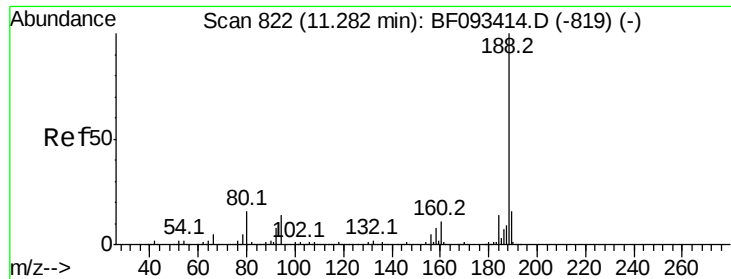
mohammad
3/15/2017 5:38:42 PM



#62
Azobenzene
Concen: 63.96 ng
RT: 10.46 min Scan# 750
Delta R.T. -0.00 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Tgt Ion	Ratio	Lower	Upper
77	100		
182	14.8	0.0	39.3
105	20.8	2.3	42.3
51	35.3	8.9	48.9





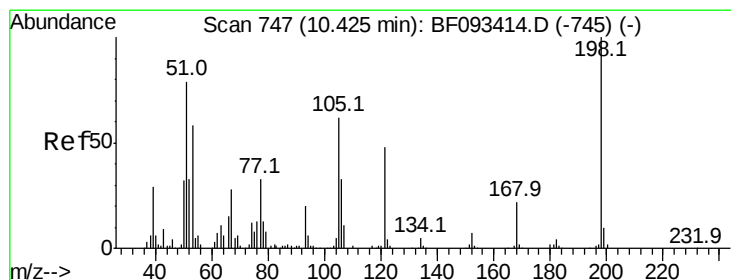
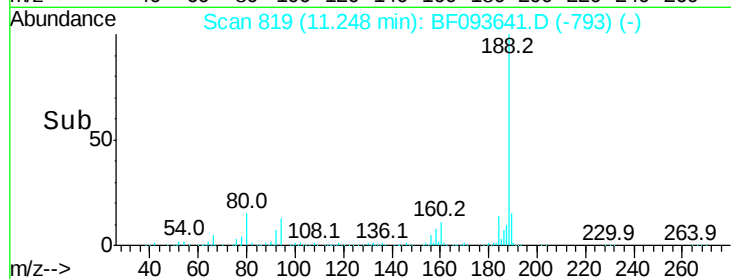
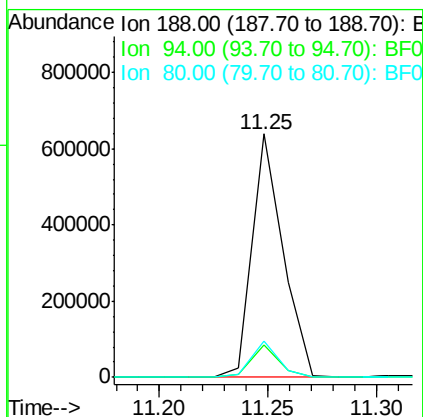
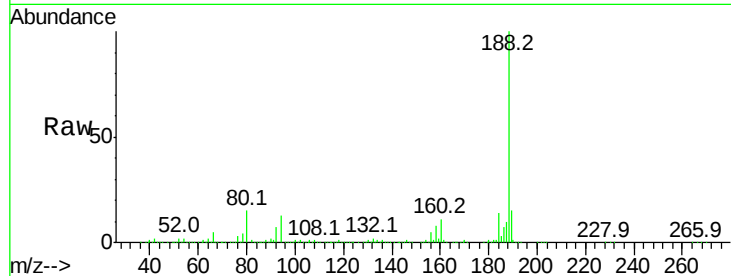
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 819
Delta R.T. -0.00 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Instrument :
BNA_F
ClientSampleId :
D-112MSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100	628613		
94	13.5		10.0	15.0
80	14.7		11.2	16.8

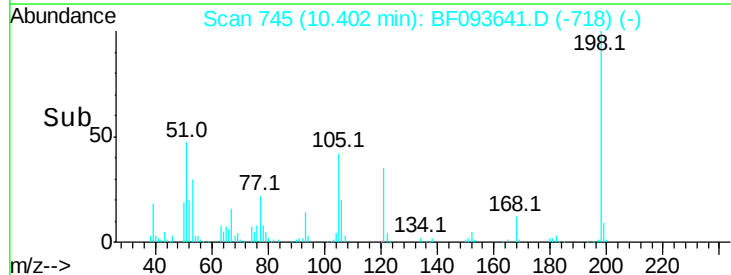
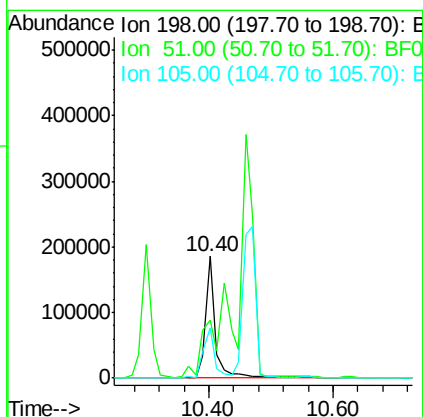
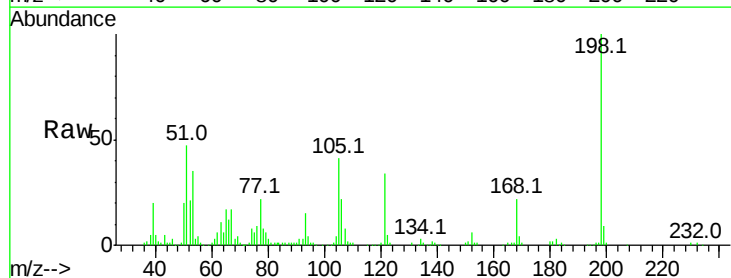
Manual Integrations
APPROVED

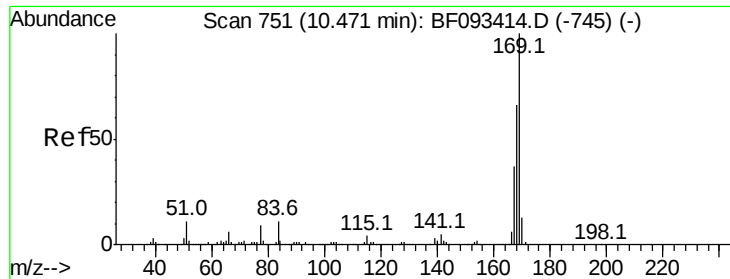
mohammad
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#64
4,6-Dinitro-2-methylphenol
Concen: 52.73 ng
RT: 10.40 min Scan# 745
Delta R.T. 0.01 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	214762		
51	47.2		6.7	46.7#
105	41.4		16.6	56.6





#65

n-Nitrosodiphenylamine

Concen: 44.66 ng

RT: 10.44 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

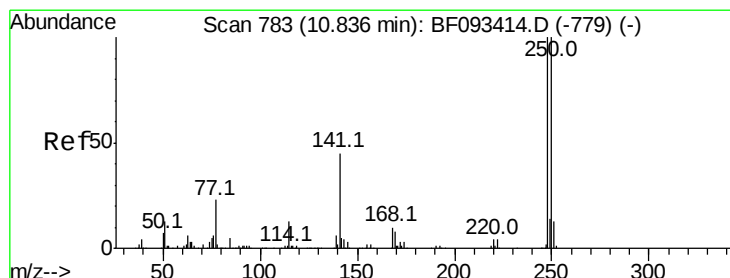
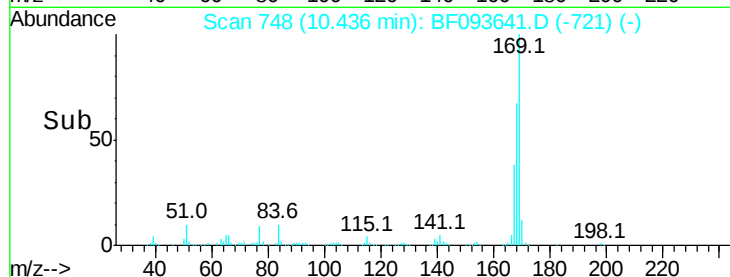
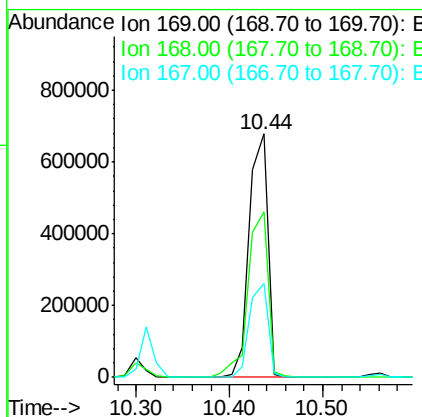
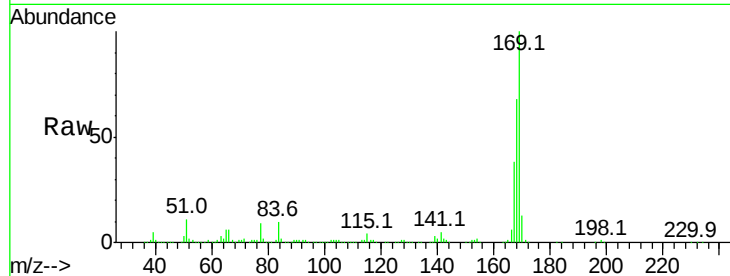
ClientSampleId :

D-112MSD

Tot Ion:	169	Resp:	937512
Ion Ratio	Lower	Upper	
169	100		
168	67.8	54.2	81.2
167	38.4	30.2	45.4

Manual Integrations
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#66

4-Bromophenyl-phenylether

Concen: 45.18 ng

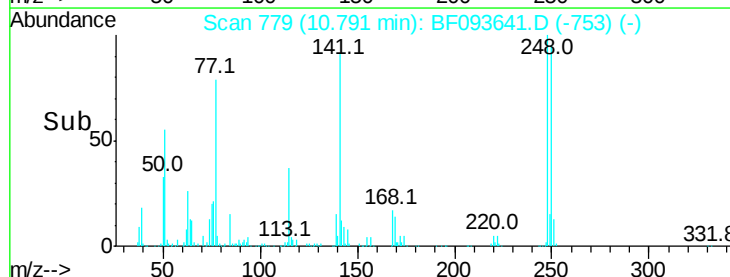
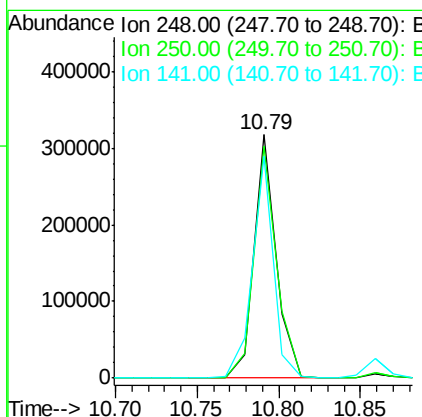
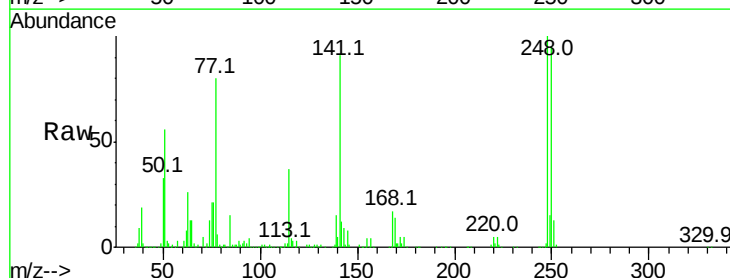
RT: 10.79 min Scan# 779

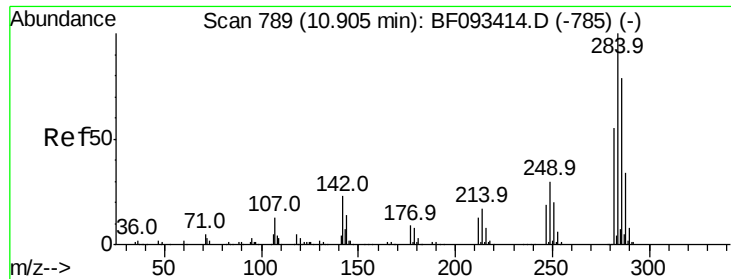
Delta R.T. -0.00 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Tgt Ion:	248	Resp:	300300
Ion Ratio	Lower	Upper	
248	100		
250	95.1	76.9	115.3
141	91.1	68.2	102.4





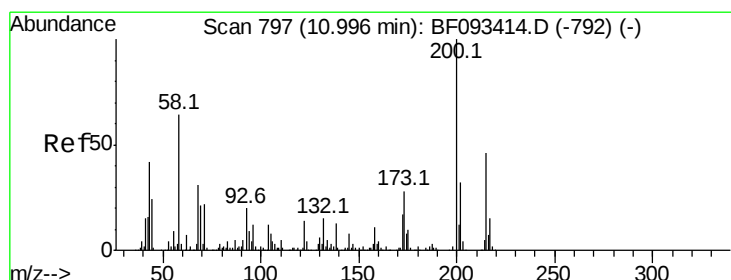
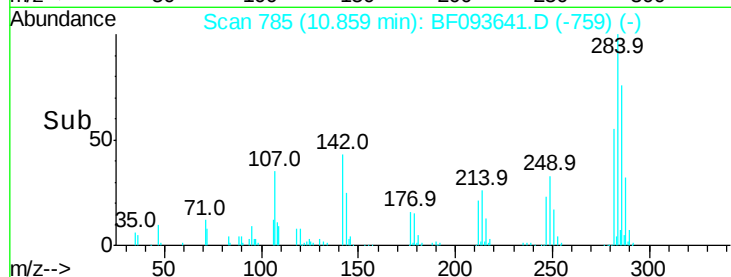
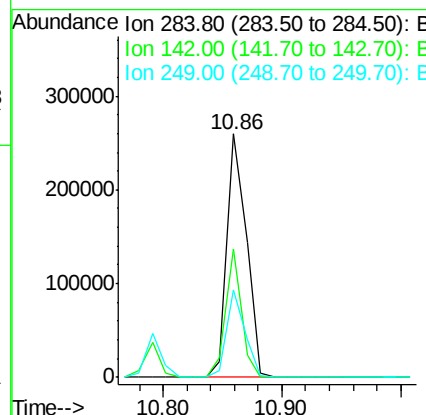
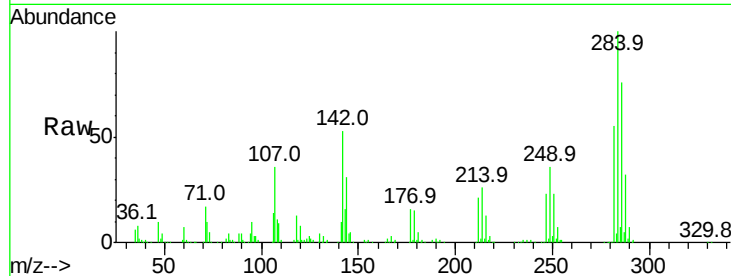
#67
Hexachlorobenzene
Concen: 46.13 ng
RT: 10.86 min Scan# 785
Delta R.T. -0.00 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Instrument :
BNA_F
ClientSampleId :
D-112MSD

Tot Ion	Ratio	Resp Lower	Upper
284	100		
142	52.5	22.6	33.8#
249	36.1	25.4	38.0

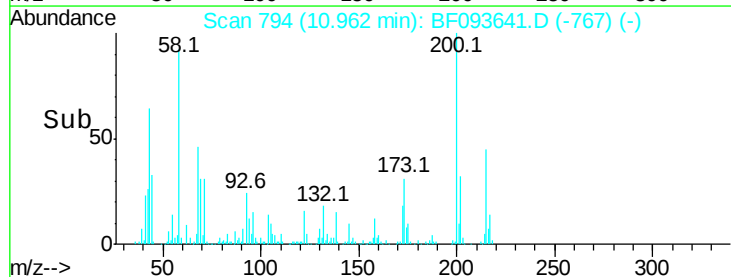
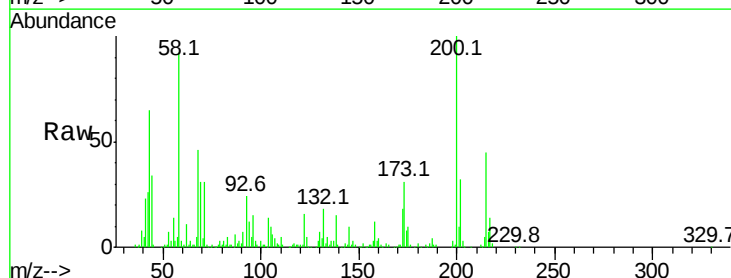
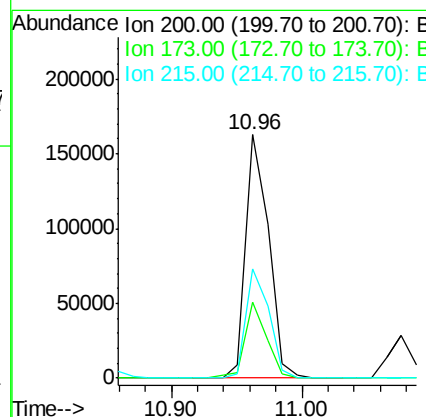
Manual Integrations
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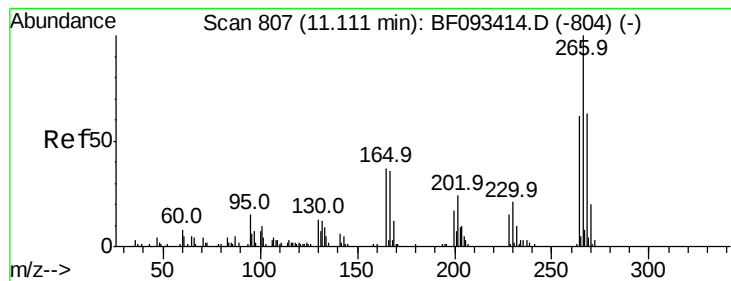
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#68
Atrazine
Concen: 32.14 ng
RT: 10.96 min Scan# 794
Delta R.T. 0.01 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Tgt Ion	Ratio	Resp Lower	Upper
200	100		
173	31.0	9.6	49.6
215	45.0	25.7	65.7





#69

Pentachlorophenol

Concen: 106.30 ng

RT: 11.08 min Scan# 804

Delta R.T. 0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

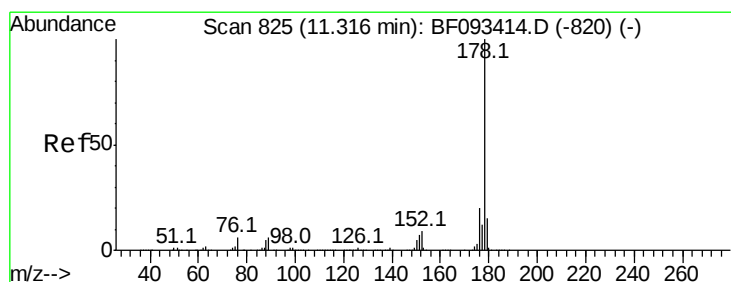
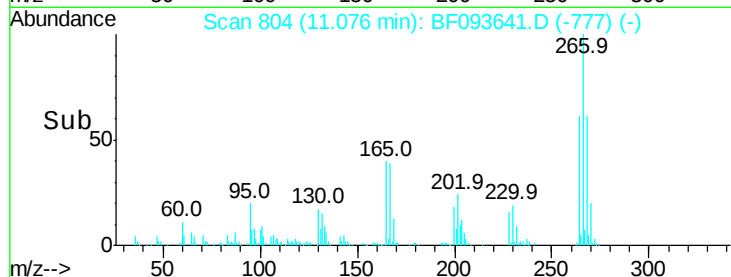
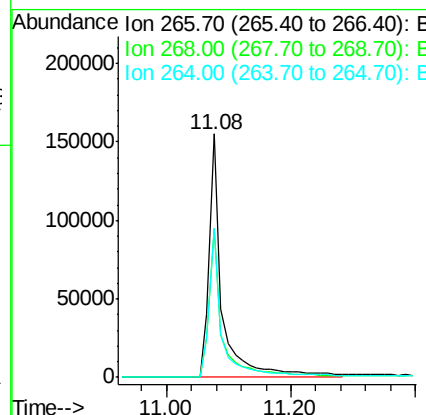
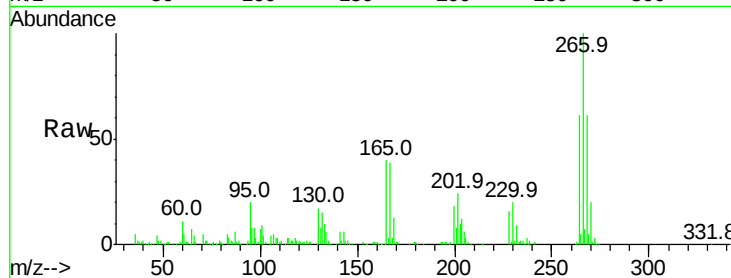
ClientSampleId :

D-112MSD

Tot Ion:	266	Resp:	232957
Ion Ratio		Lower	Upper
266	100		
268	61.4	53.3	79.9
264	61.3	50.3	75.5

Manual Integrations
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#70

Phenanthrene

Concen: 47.31 ng

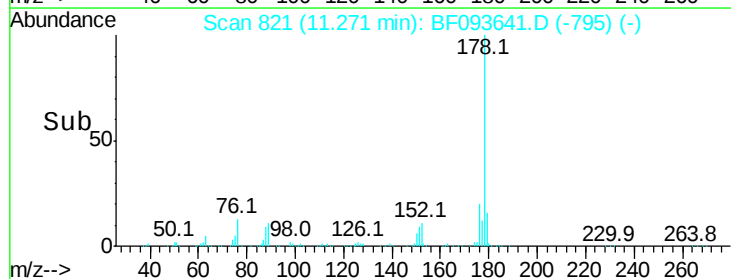
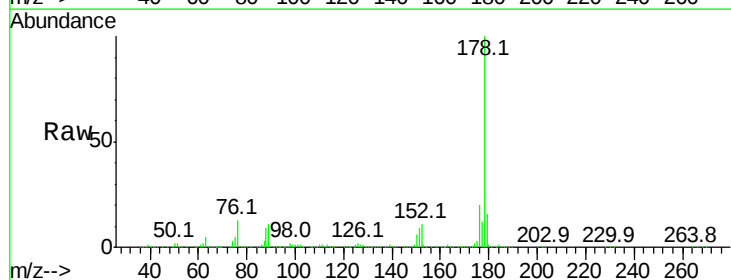
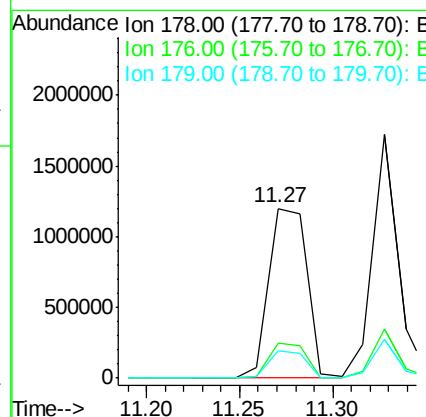
RT: 11.27 min Scan# 821

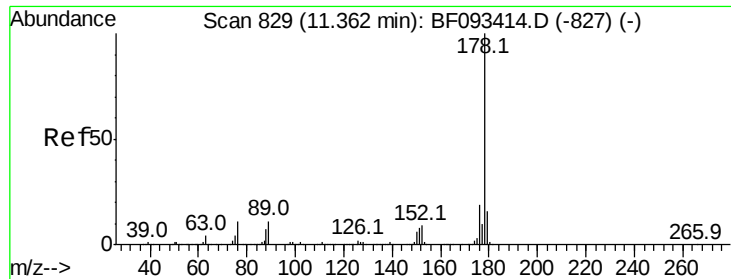
Delta R.T. -0.00 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Tgt Ion:	178	Resp:	1697562
Ion Ratio		Lower	Upper
178	100		
176	20.4	16.6	25.0
179	16.0	12.8	19.2





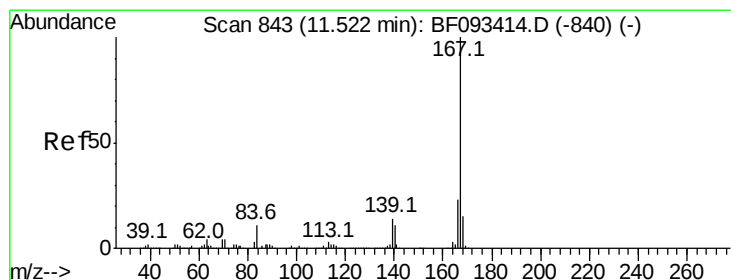
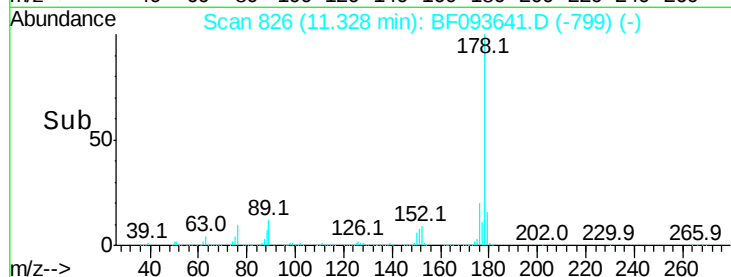
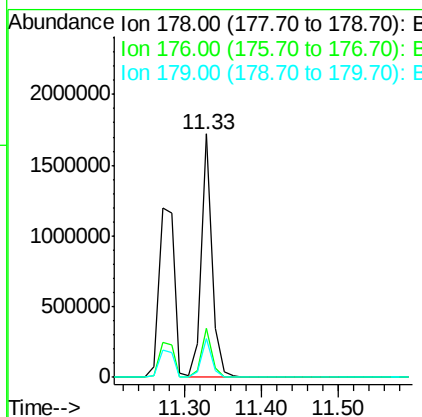
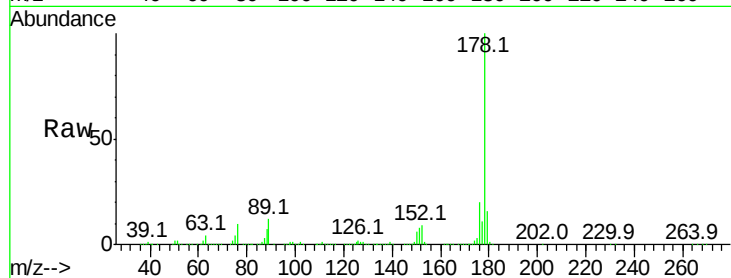
#71
 Anthracene
 Concen: 44.89 ng
 RT: 11.33 min Scan# 826
 Delta R.T. 0.01 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Instrument :
 BNA_F
 ClientSampleId :
 D-112MSD

Tot Ion:178 Resp: 1629205
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.9 23.9
 179 16.1 13.2 19.8

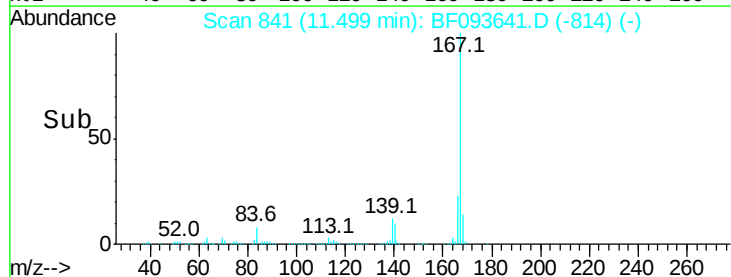
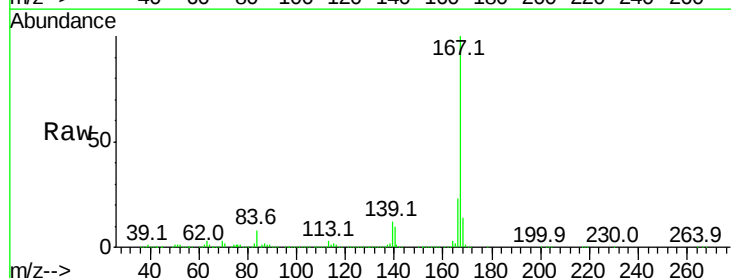
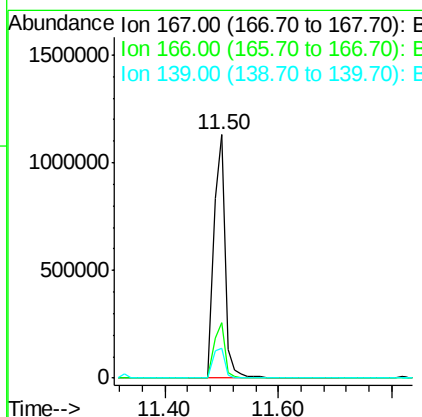
Manual Integrations
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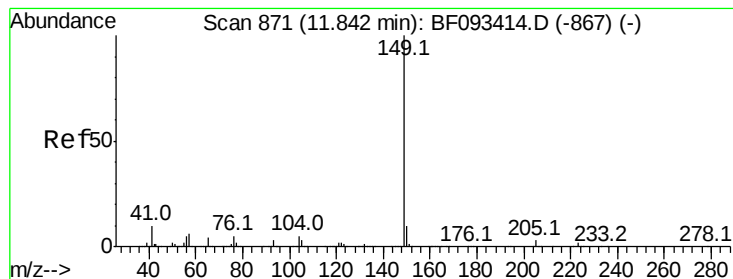
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#72
 Carbazole
 Concen: 43.94 ng
 RT: 11.50 min Scan# 841
 Delta R.T. 0.01 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Tgt Ion:167 Resp: 1498224
 Ion Ratio Lower Upper
 167 100
 166 22.6 18.2 27.2
 139 12.5 11.4 17.2





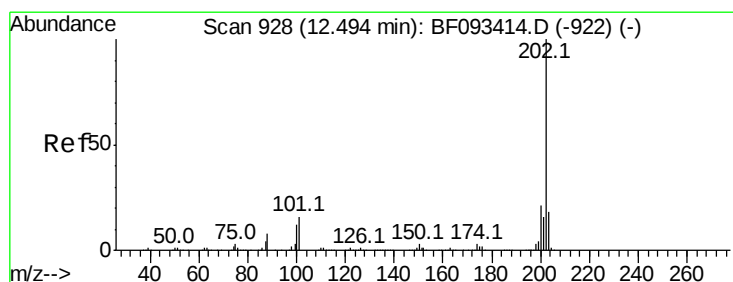
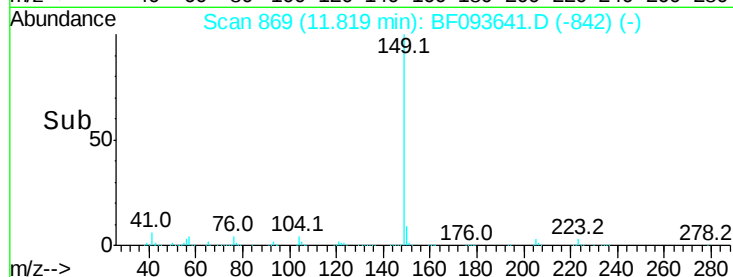
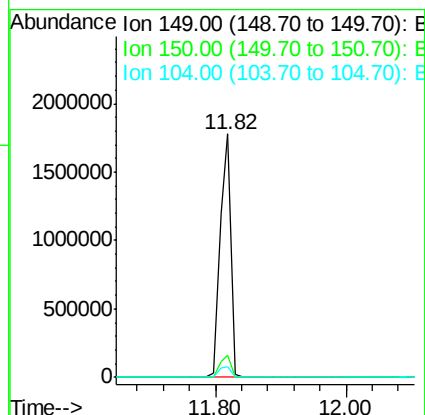
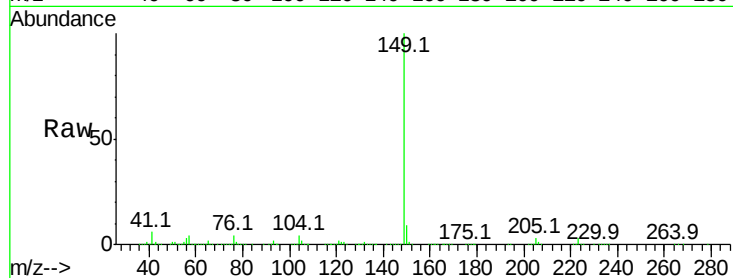
#73
Di-n-butylphthalate
Concen: 53.07 ng
RT: 11.82 min Scan# 869
Delta R.T. 0.01 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Instrument :
BNA_F
ClientSampleId :
D-112MSD

Tot Ion	Ratio	Lower	Upper
149	100		
150	9.2	8.1	12.1
104	4.3	4.6	7.0

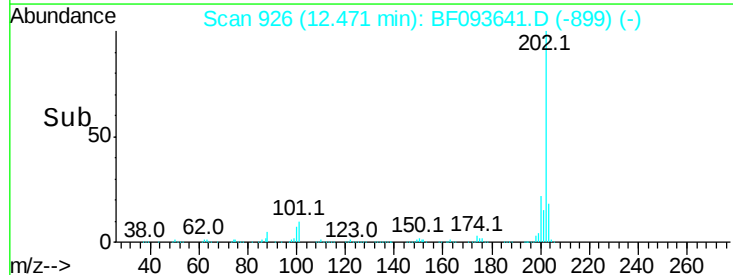
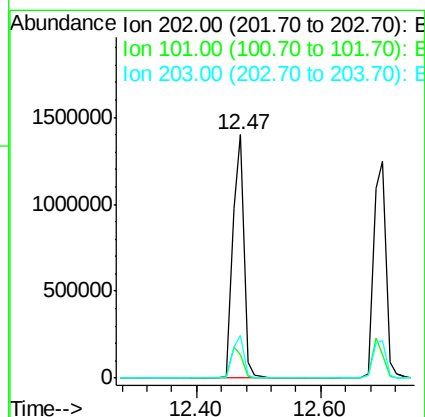
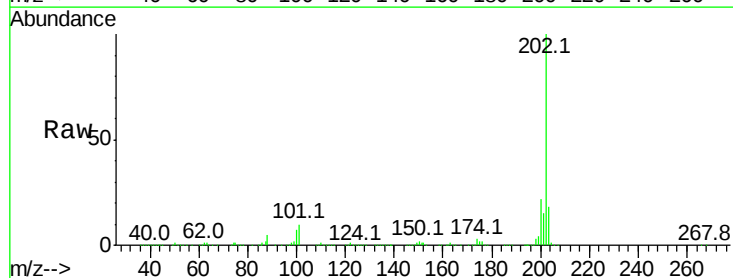
Manual Integrations
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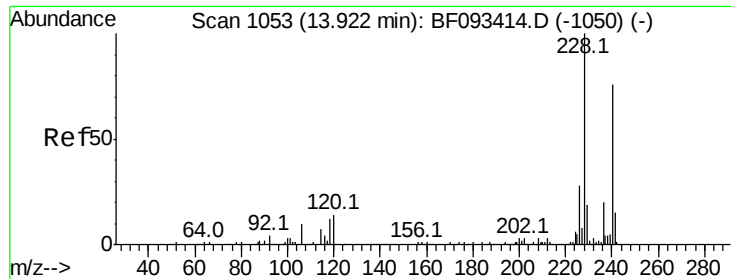
mohammad
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#74
Fluoranthene
Concen: 49.95 ng
RT: 12.47 min Scan# 926
Delta R.T. 0.01 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	34.6
203	17.6	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.90 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

ClientSampleId :

D-112MSD

Tot Ion:240 Resp: 481675

Ion Ratio Lower Upper

240 100

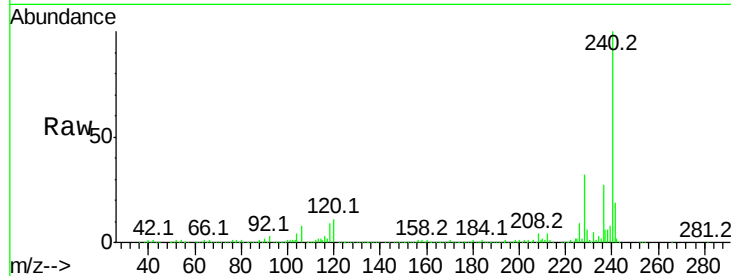
120 11.2 12.9 19.3#

236 26.6 20.9 31.3

Manual Integrations
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mohammad

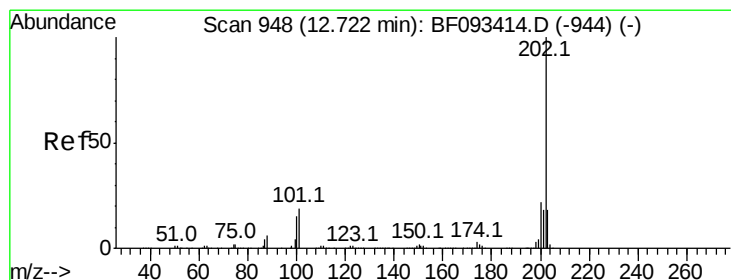
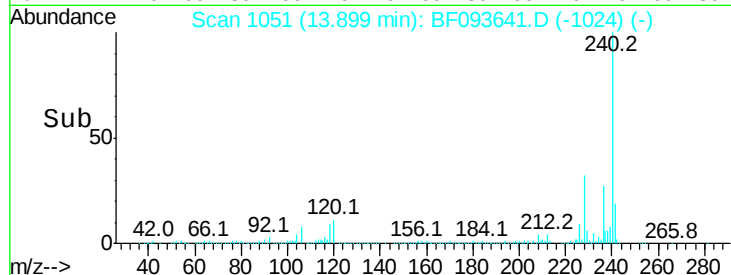
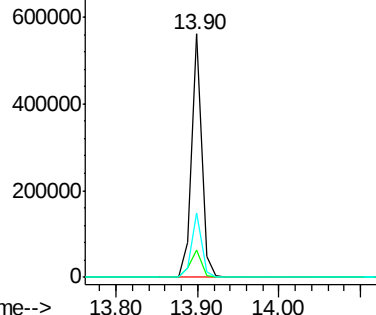
3/15/2017 5:38:42 PM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 48.79 ng

RT: 12.70 min Scan# 946

Delta R.T. 0.02 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

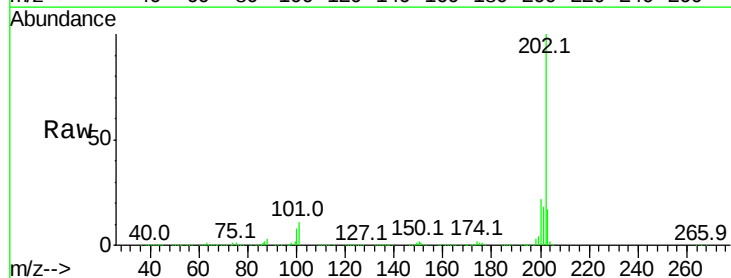
Tgt Ion:202 Resp: 1709121

Ion Ratio Lower Upper

202 100

200 22.3 17.7 26.5

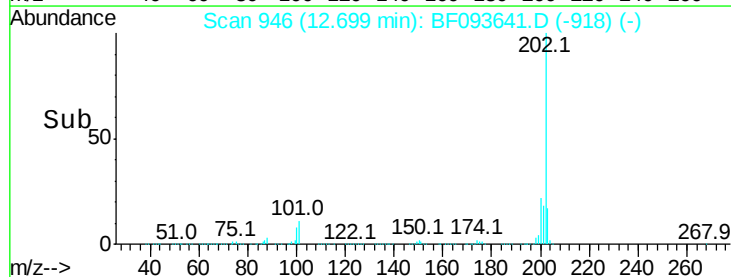
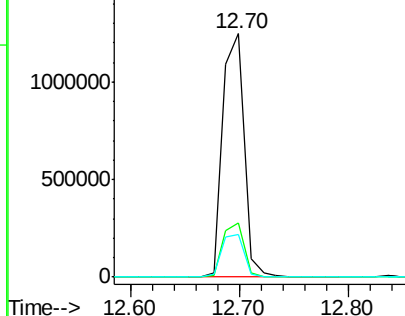
203 17.4 14.7 22.1

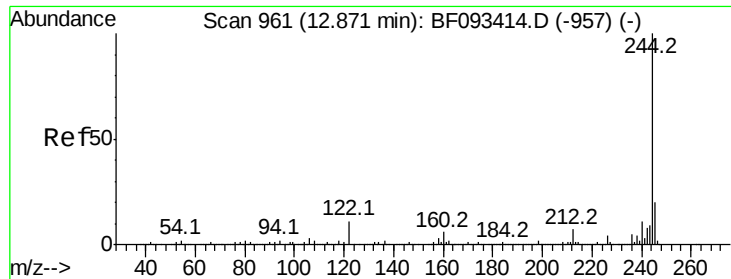


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 87.01 ng

RT: 12.84 min Scan# 958

Delta R.T. 0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

ClientSampleId :

D-112MSD

Tot Ion:244 Resp: 1612005

Ion Ratio Lower Upper

244 100

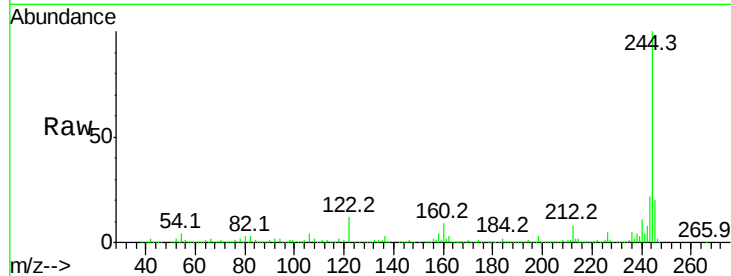
212 8.1 6.2 9.2

122 12.2 11.4 17.2

Manual Integrations
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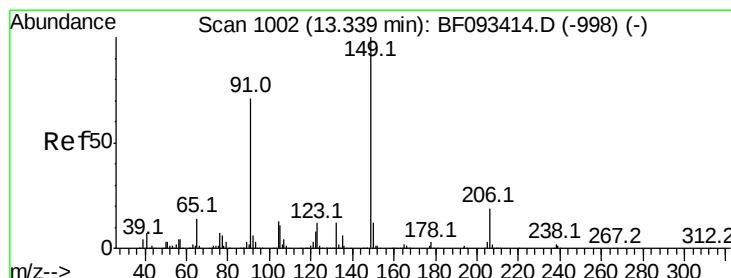
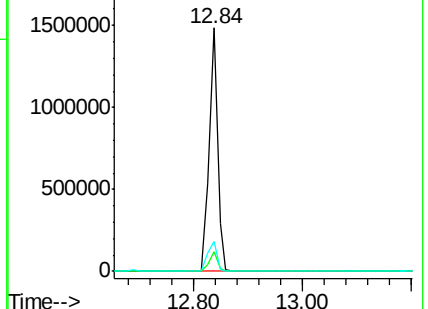
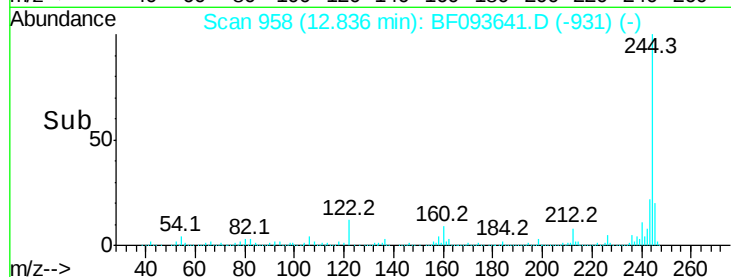
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 60.12 ng

RT: 13.32 min Scan# 1000

Delta R.T. 0.02 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

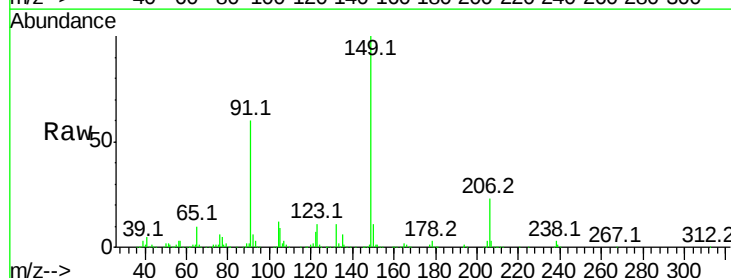
Tgt Ion:149 Resp: 886561

Ion Ratio Lower Upper

149 100

91 60.1 63.9 95.9#

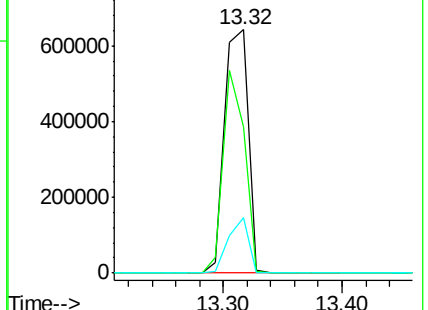
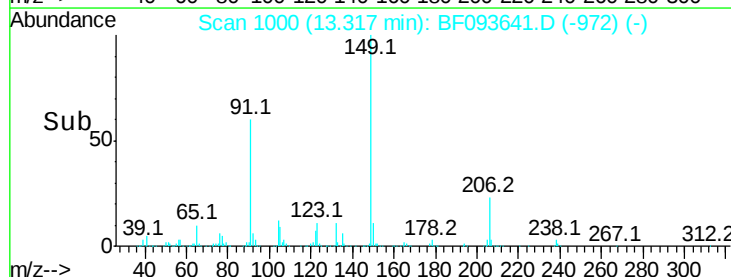
206 22.9 14.6 21.8#

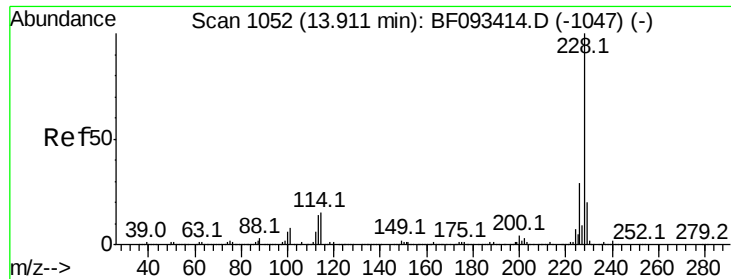


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





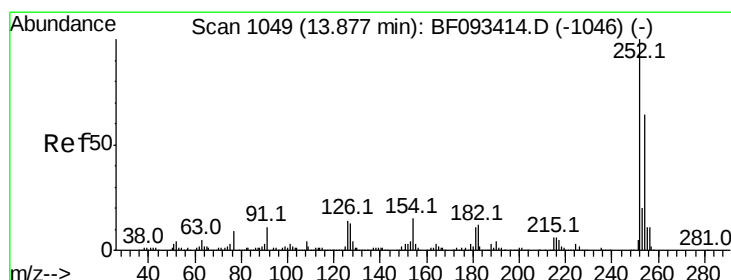
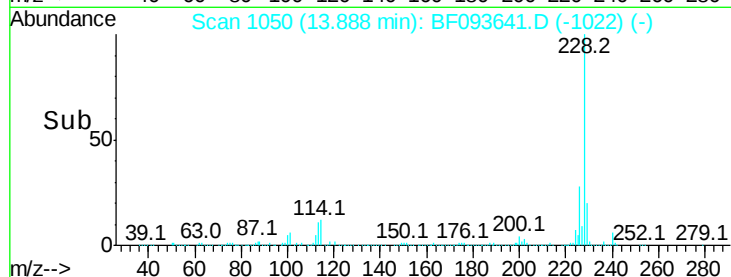
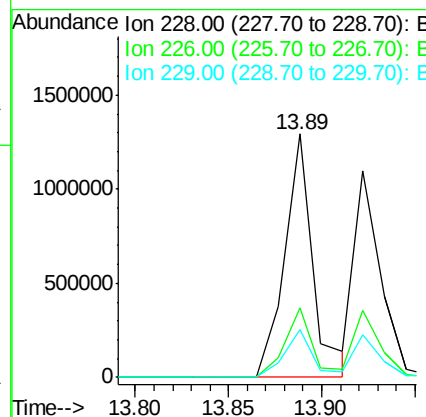
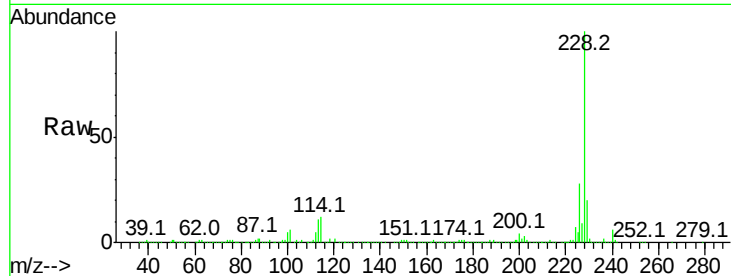
#80
Benzo(a)anthracene
Concen: 47.94 ng
RT: 13.89 min Scan# 1050
Delta R.T. 0.02 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Instrument :
BNA_F
ClientSampleId :
D-112MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.4	33.6
229	19.8	16.2	24.4

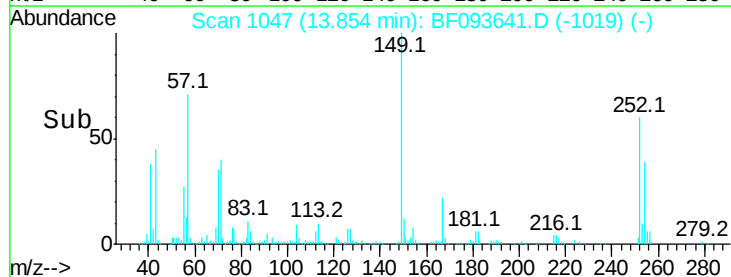
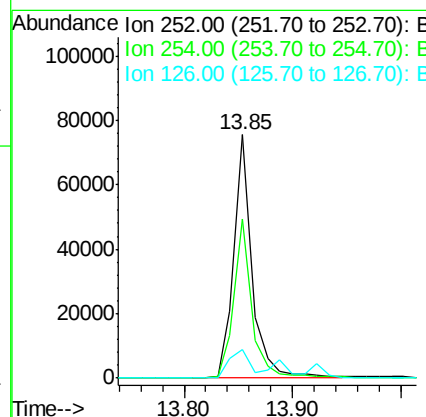
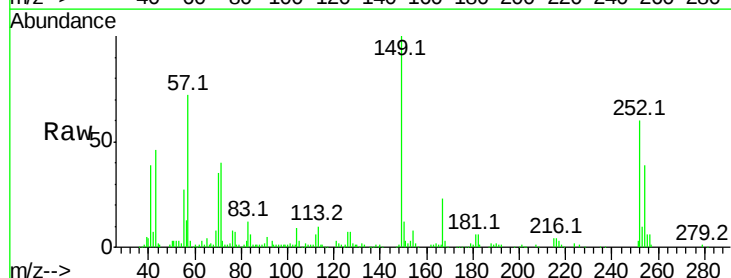
Manual Integrations
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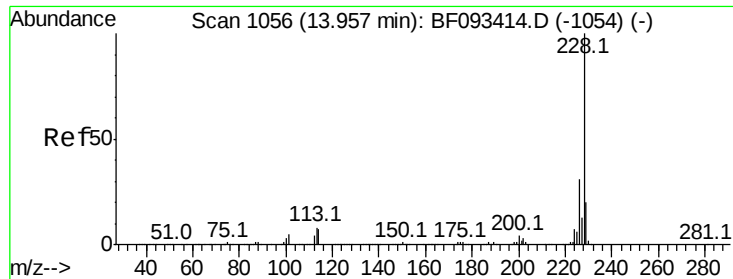
mohammad
3/15/2017 5:38:42 PM



#81
3,3'-Dichlorobenzidine
Concen: 8.80 ng
RT: 13.85 min Scan# 1047
Delta R.T. 0.02 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.3	52.3	78.5
126	12.0	13.6	20.4





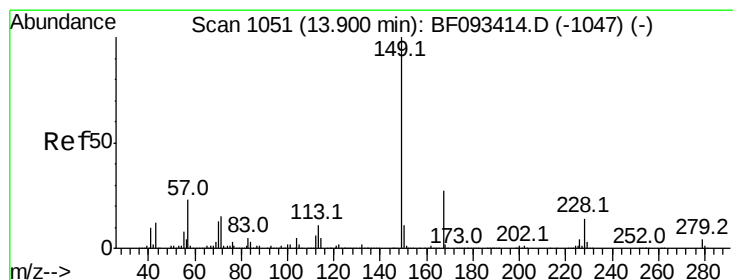
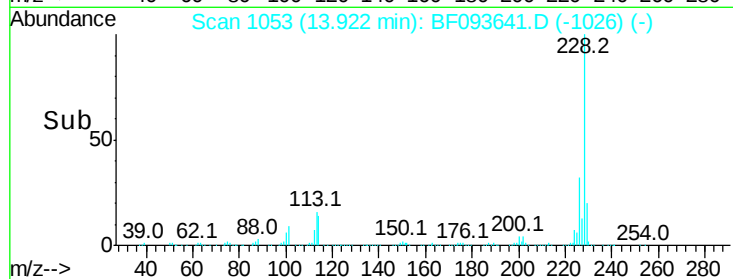
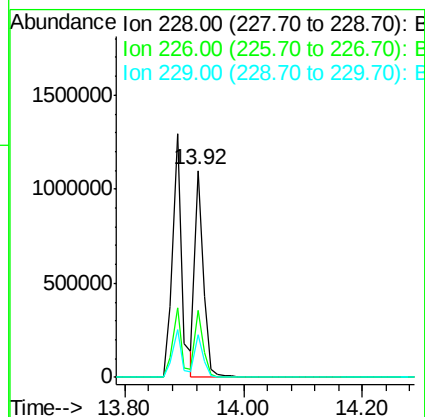
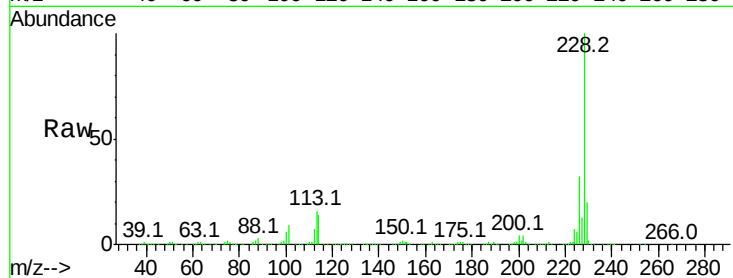
#82
Chrysene
Concen: 42.35 ng
RT: 13.92 min Scan# 1053
Delta R.T. 0.01 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Instrument :
BNA_F
ClientSampleId :
D-112MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.1	25.4	38.0
229	20.4	16.2	24.2

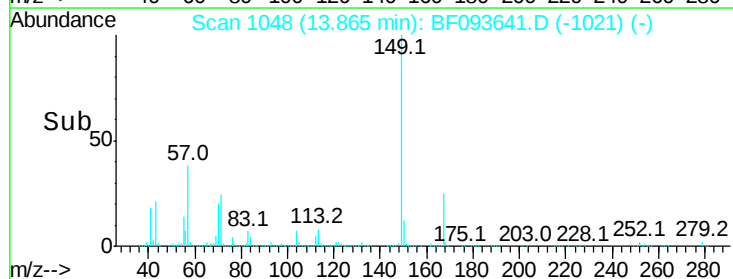
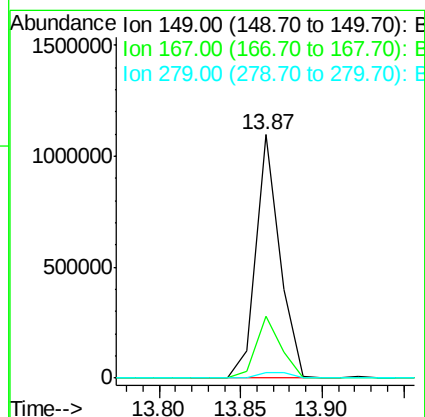
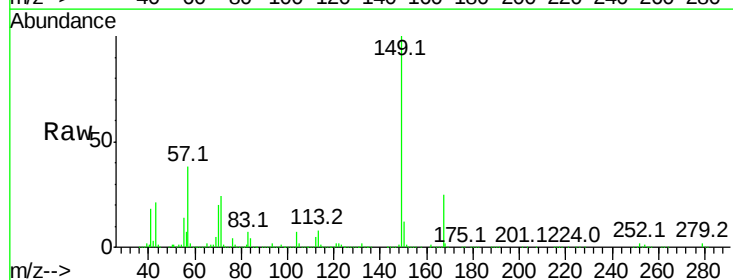
Manual Integrations
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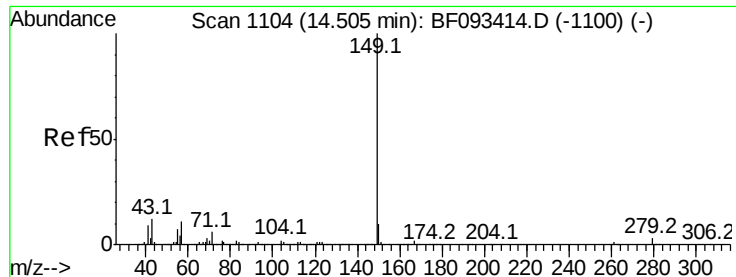
mohammad
3/15/2017 5:38:42 PM



#83
Bis(2-ethylhexyl)phthalate
Concen: 54.66 ng
RT: 13.87 min Scan# 1048
Delta R.T. 0.01 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.2	20.2	30.4
279	2.1	1.8	2.8





#84

Di-n-octyl phthalate

Concen: 56.28 ng

RT: 14.48 min Scan# 1102

Delta R.T. 0.02 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

ClientSampleId :

D-112MSD

Tot Ion:149 Resp: 1928115

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

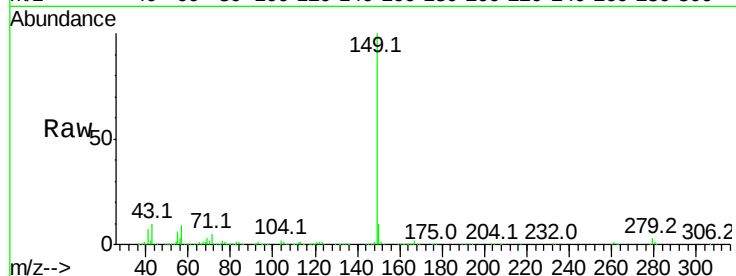
43 12.5 8.9 13.3

Manual Integrations

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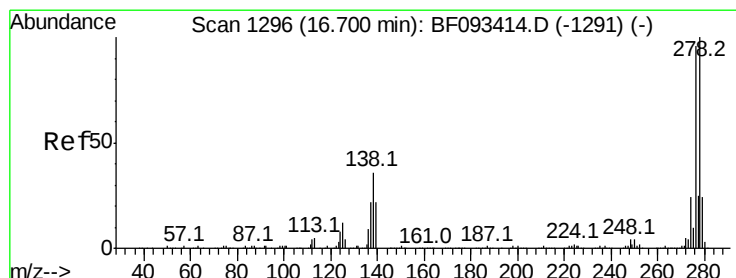
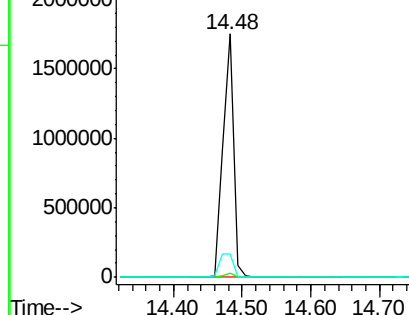
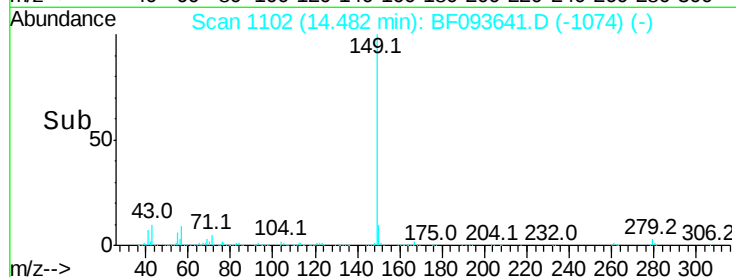
3/15/2017 5:38:42 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 42.99 ng

RT: 16.67 min Scan# 1293

Delta R.T. 0.05 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

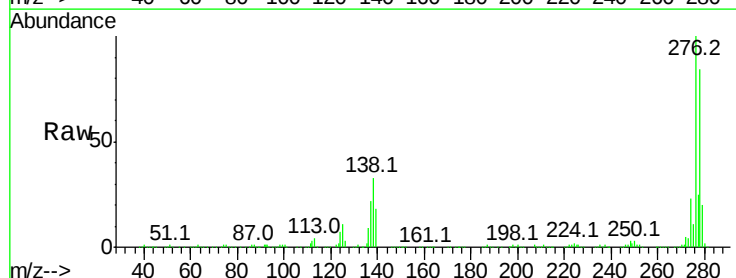
Tgt Ion:276 Resp: 947023

Ion Ratio Lower Upper

276 100

138 33.1 21.8 32.6#

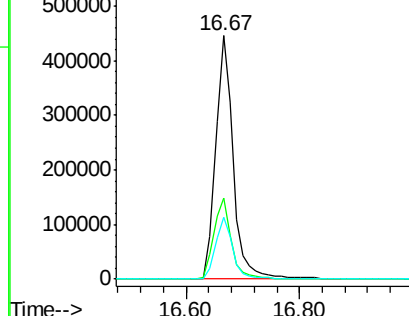
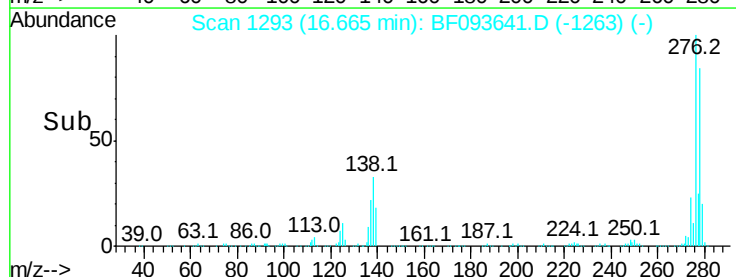
277 25.0 20.2 30.4

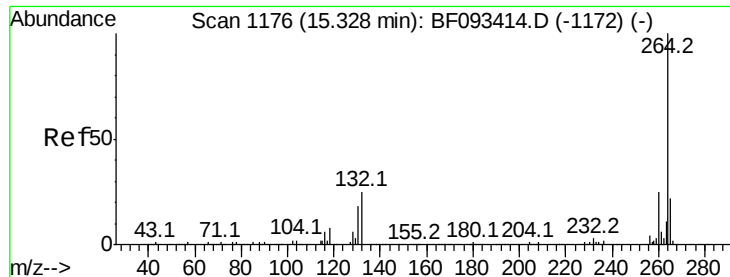


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





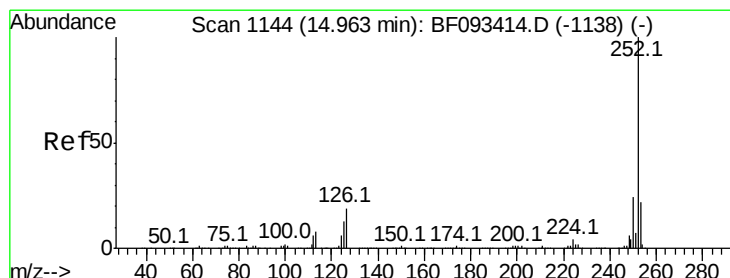
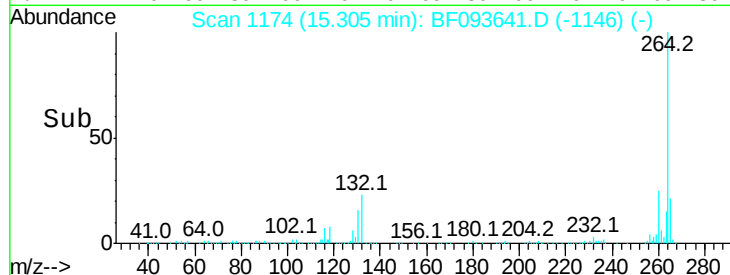
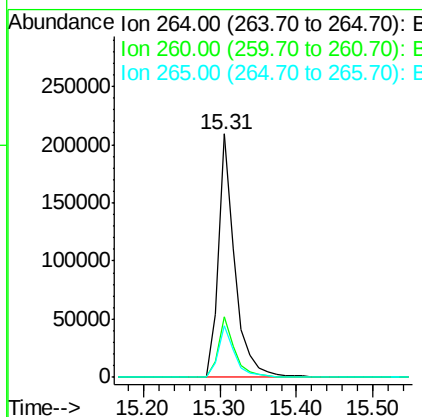
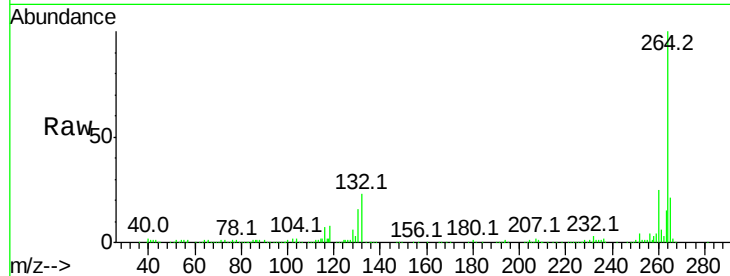
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.31 min Scan# 1174
Delta R.T. 0.02 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Instrument :
BNA_F
ClientSampleId :
D-112MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	21.4	17.4	26.0

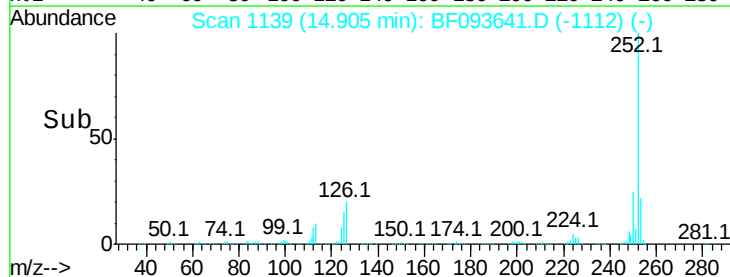
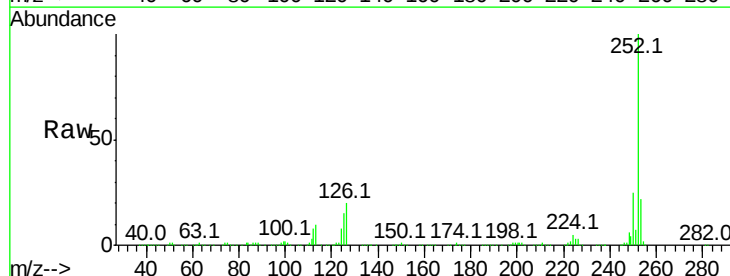
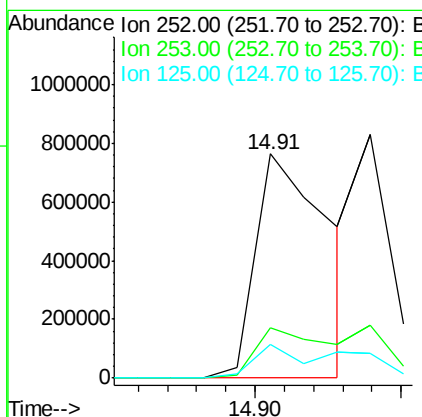
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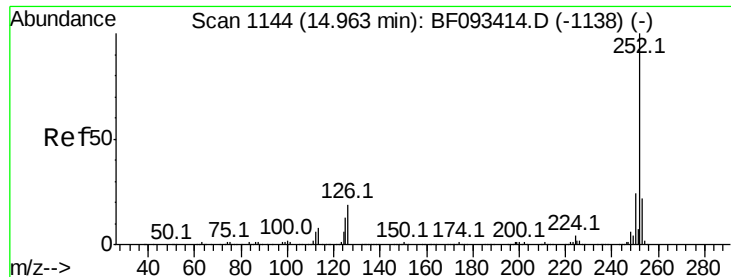
mohammad
3/15/2017 5:38:42 PM



#87
Benzo(b)fluoranthene
Concen: 69.40 ng m
RT: 14.91 min Scan# 1139
Delta R.T. 0.01 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.4
125	15.0	9.8	14.6





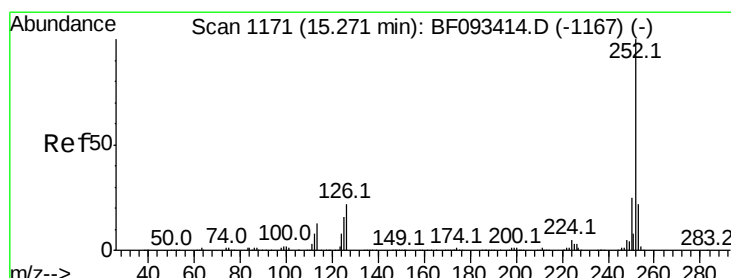
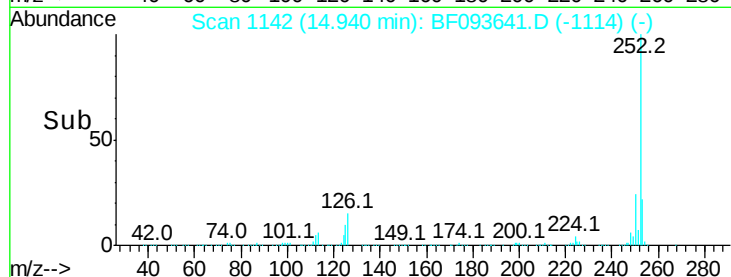
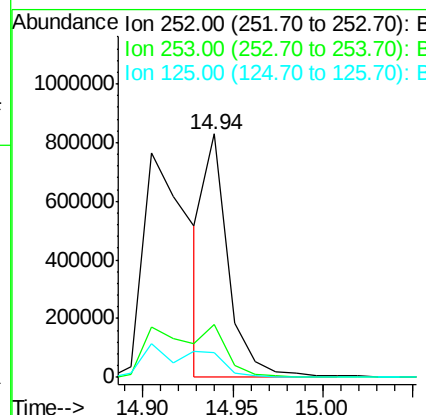
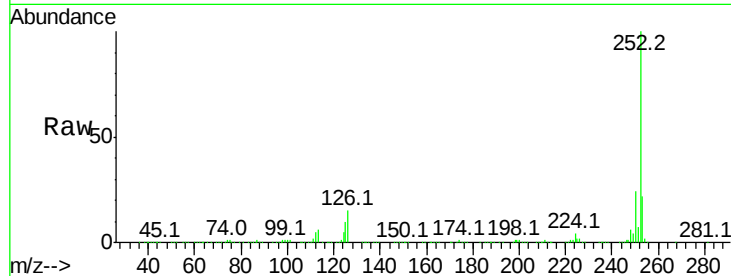
#88
Benzo(k)fluoranthene
Concen: 41.61 ng m
RT: 14.94 min Scan# 1142
Delta R.T. 0.02 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Instrument :
BNA_F
ClientSampleId :
D-112MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.5	27.7
125	10.0	8.9	13.3

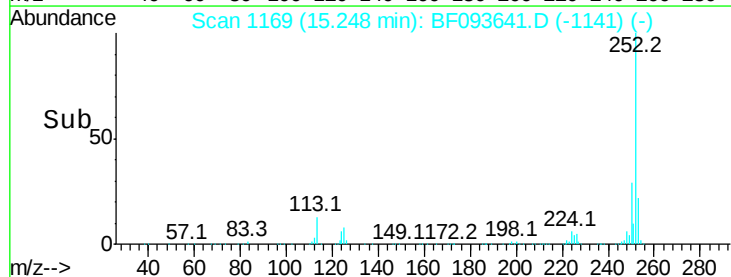
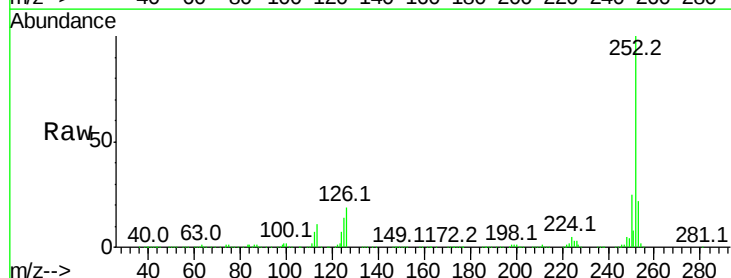
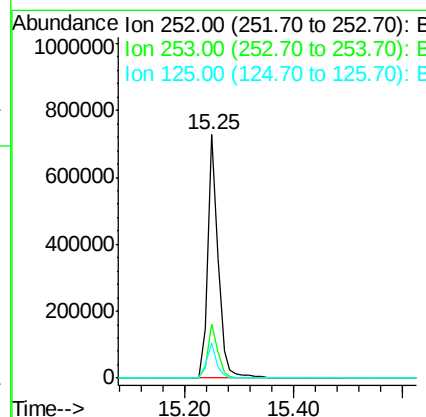
Manual Integrations
APPROVED

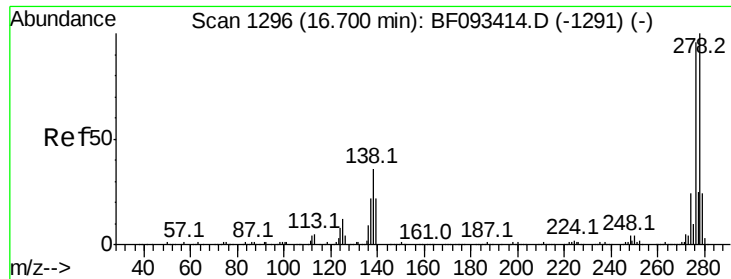
mohammad
3/15/2017 5:38:42 PM



#89
Benzo(a)pyrene
Concen: 54.16 ng
RT: 15.25 min Scan# 1169
Delta R.T. 0.02 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	14.5	10.0	15.0





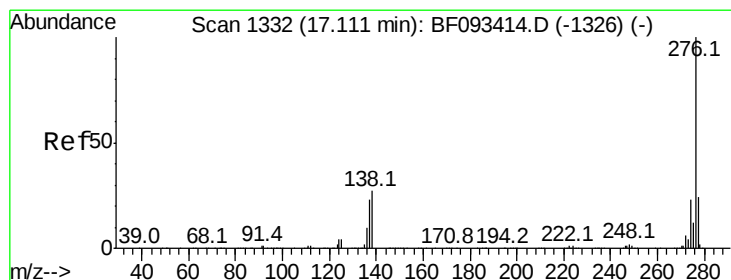
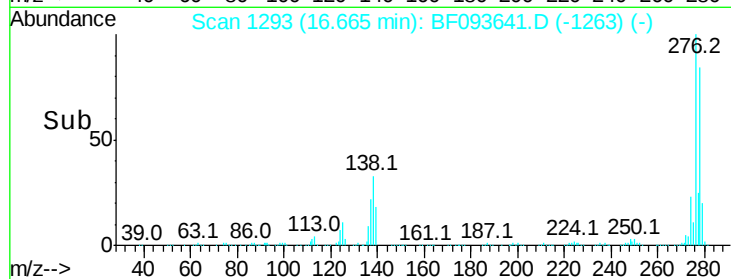
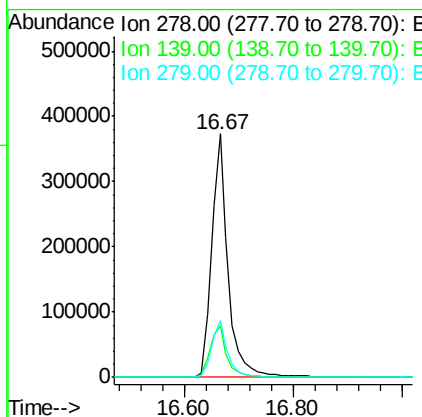
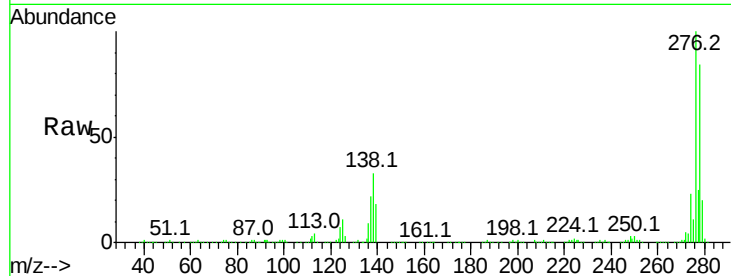
#90
 Dibenzo(a,h)anthracene
 Concen: 54.72 ng
 RT: 16.67 min Scan# 1293
 Delta R.T. 0.05 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Instrument :
 BNA_F
 ClientSampleId :
 D-112MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.0	14.8	22.2
279	23.3	19.8	29.6

Manual Integrations
 APPROVED

mohammad
 3/15/2017 5:38:42 PM



#91
 Benzo(g,h,i)perylene
 Concen: 56.16 ng
 RT: 17.07 min Scan# 1328
 Delta R.T. 0.05 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.2	28.8
138	32.1	16.0	24.0

