

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033117\
 Data File : BF094098.D
 Acq On : 31 Mar 2017 16:11
 Operator : SJ/MA
 Sample : I2458-04MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-42-S2(2.0-2.5)MSD

Manual Integrations
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 4/3/2017 3:25:43 PM

Quant Time: Mar 31 23:53:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.90	152	185400	20.00	ng	0.00
21) Naphthalene-d8	7.40	136	741115	20.00	ng	0.00
38) Acenaphthene-d10	9.55	164	334994	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	569685	20.00	ng	0.00
75) Chrysene-d12	14.63	240	420384	20.00	ng	0.00
86) Perylene-d12	16.25	264	306273	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	4.45	112	1522230	138.68	ng	0.01
7) Phenol-d6	5.52	99	1921399	141.49	ng	0.00
23) Nitrobenzene-d5	6.56	82	1216539	93.68	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	398492	150.53	ng	0.00
44) 2-Fluorobiphenyl	8.73	172	2065242	94.03	ng	0.00
78) Terphenyl-d14	13.35	244	1640674	87.48	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.32	88	216451	41.04	ng	97
3) Pyridine	2.82	79	100676	7.00	ng	96
4) n-Nitrosodimethylamine	2.76	42	276176	46.70	ng	94
6) Aniline	5.53	93	400310	21.19	ng	# 1
8) 2-Chlorophenol	5.67	128	609940	50.55	ng	97
9) Benzaldehyde	5.39	77	128530	14.02	ng	98
10) Phenol	5.53	94	748150	48.42	ng	92
11) bis(2-Chloroethyl)ether	5.61	93	575495	47.66	ng	99
12) 1,3-Dichlorobenzene	5.83	146	653687	48.30	ng	98
13) 1,4-Dichlorobenzene	5.92	146	656269	47.88	ng	97
14) 1,2-Dichlorobenzene	6.10	146	603309	47.79	ng	97
15) Benzyl Alcohol	6.07	79	491013	49.40	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.23	45	783890	42.13	ng	96
17) 2-Methylphenol	6.22	107	511036	49.46	ng	97
18) Hexachloroethane	6.49	117	229404	47.61	ng	# 88
19) n-Nitroso-di-n-propylamine	6.39	70	411895	47.19	ng	97
20) 3+4-Methylphenols	6.39	107	636814	50.89	ng	# 64
22) Acetophenone	6.37	105	855760	51.81	ng	# 87
24) Nitrobenzene	6.57	77	630983	49.27	ng	95
25) Isophorone	6.86	82	1116430	48.93	ng	95
26) 2-Nitrophenol	6.95	139	348634	57.08	ng	98
27) 2,4-Dimethylphenol	7.02	122	549436	52.21	ng	99
28) bis(2-Chloroethoxy)methane	7.13	93	726394	48.27	ng	99
29) 2,4-Dichlorophenol	7.25	162	529322	53.79	ng	97
30) 1,2,4-Trichlorobenzene	7.34	180	512977	50.61	ng	99
31) Naphthalene	7.43	128	1705007	47.85	ng	100
32) Benzoic acid	7.17	122	193018	27.55	ng	97
33) 4-Chloroaniline	7.50	127	367415	25.44	ng	# 94
34) Hexachlorobutadiene	7.59	225	253974	48.86	ng	97
35) Caprolactam	7.95	113	139371m	44.41	ng	
36) 4-Chloro-3-methylphenol	8.12	107	555022	53.98	ng	88
37) 2-Methylnaphthalene	8.27	142	1178899	49.63	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.48	216	434945	47.46	ng	99
40) Hexachlorocyclopentadiene	8.47	237	409016	95.38	ng	97

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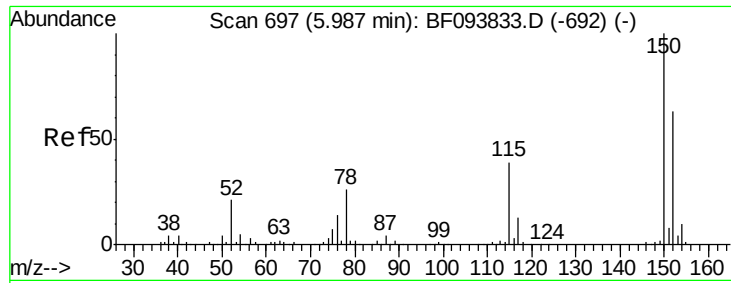
Manual Integrations
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 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.63	196	351153	54.16	nq	98
43) 2,4,5-Trichlorophenol	8.69	196	354597	50.54	nq	# 91
45) 1,1'-Biphenyl	8.85	154	1286741	47.62	nq	97
46) 2-Chloronaphthalene	8.87	162	1036955	49.03	nq	94
47) 2-Nitroaniline	9.00	65	321481	51.24	nq	# 85
48) Acenaphthylene	9.38	152	1613512	45.90	nq	99
49) Dimethylphthalate	9.25	163	1299569	54.57	nq	99
50) 2,6-Dinitrotoluene	9.30	165	283076	51.86	nq	90
51) Acenaphthene	9.59	154	960073	46.81	nq	100
52) 3-Nitroaniline	9.50	138	216236	33.73	nq	92
53) 2,4-Dinitrophenol	9.64	184	219074	75.29	nq	# 71
54) Dibenzofuran	9.80	168	1383158	49.54	nq	99
55) 4-Nitrophenol	9.75	139	431848	86.03	nq	# 66
56) 2,4-Dinitrotoluene	9.80	165	334351	48.76	nq	# 71
57) Fluorene	10.23	166	1029863	44.48	nq	99
58) 2,3,4,6-Tetrachlorophenol	9.96	232	258759	53.75	nq	97
59) Diethylphthalate	10.11	149	1148107	48.78	nq	99
60) 4-Chlorophenyl-phenylether	10.23	204	440651	44.67	nq	93
61) 4-Nitroaniline	10.27	138	303298	49.31	nq	96
62) Azobenzene	10.43	77	1121689	50.38	nq	95
64) 4,6-Dinitro-2-methylphenol	10.30	198	173583	49.75	nq	# 72
65) n-Nitrosodiphenylamine	10.38	169	960483	48.75	nq	98
66) 4-Bromophenyl-phenylether	10.83	248	284203	50.72	nq	97
67) Hexachlorobenzene	10.90	284	286390	50.49	nq	# 93
68) Atrazine	11.05	200	258678	43.84	nq	97
69) Pentachlorophenol	11.15	266	292287	82.79	nq	100
70) Phenanthrene	11.40	178	1512164	47.72	nq	99
71) Anthracene	11.47	178	1576483	48.31	nq	99
72) Carbazole	11.67	167	1516346	45.32	nq	98
73) Di-n-butylphthalate	12.12	149	1721943	49.49	nq	99
74) Fluoranthene	12.86	202	1541221	47.49	nq	99
76) Benzidine	13.03	184	46805	2.81	nq	# 92
77) Pyrene	13.14	202	1550479	50.82	nq	99
79) Butylbenzylphthalate	13.96	149	726893	55.92	nq	# 84
80) Benzo(a)anthracene	14.62	228	1192081	48.63	nq	100
81) 3,3'-Dichlorobenzidine	14.59	252	271620	31.00	nq	# 95
82) Chrysene	14.66	228	1031299	45.33	nq	99
83) Bis(2-ethylhexyl)phthalate	14.67	149	970076	54.70	nq	# 99
84) Di-n-octyl phthalate	15.43	149	1548221	52.26	nq	98
85) Indeno(1,2,3-cd)pyrene	17.60	276	943091	47.87	nq	100
87) Benzo(b)fluoranthene	15.84	252	953373	50.78	nq	98
88) Benzo(k)fluoranthene	15.88	252	822904m	44.80	nq	
89) Benzo(a)pyrene	16.20	252	845641	48.91	nq	100
90) Dibenzo(a,h)anthracene	17.63	278	779776	53.26	nq	98
91) Benzo(g,h,i)perylene	18.00	276	801364	54.31	nq	99

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



#1

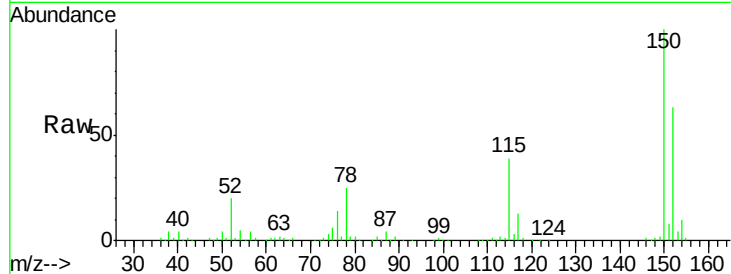
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.90 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Instrument :
BNA_F
ClientSampleId :
B-42-S2(2.0-2.5)MSD

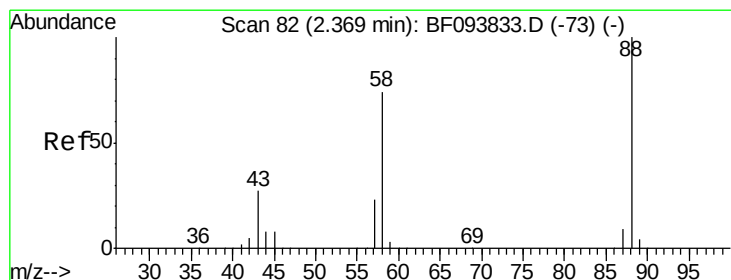
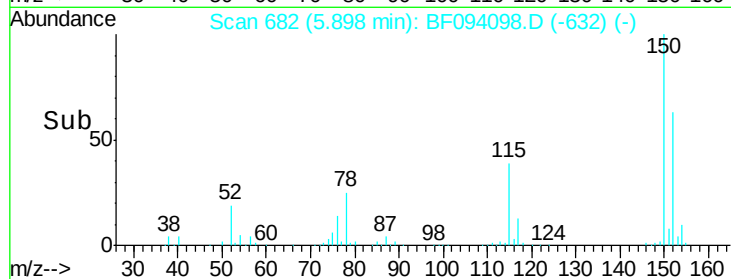
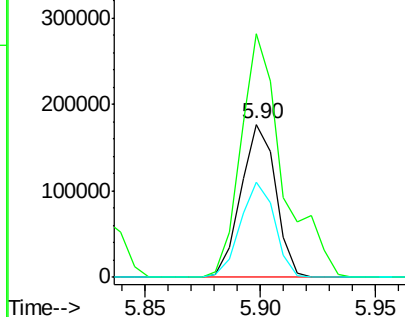
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	126.2	189.2
115	62.4	52.2	78.2

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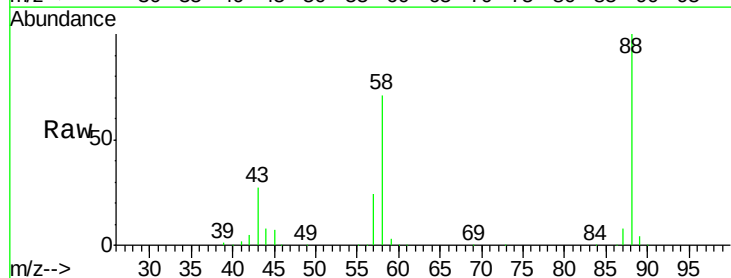
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



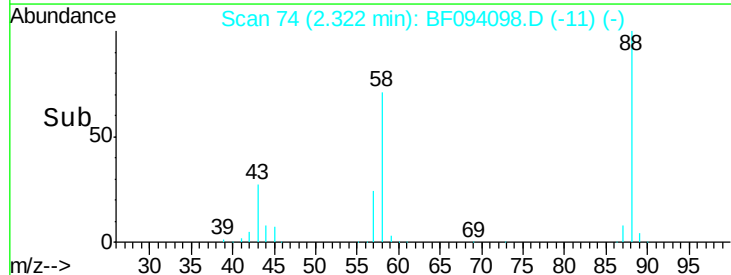
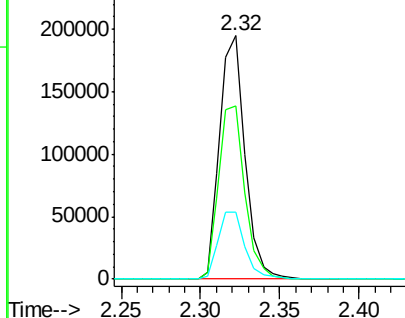
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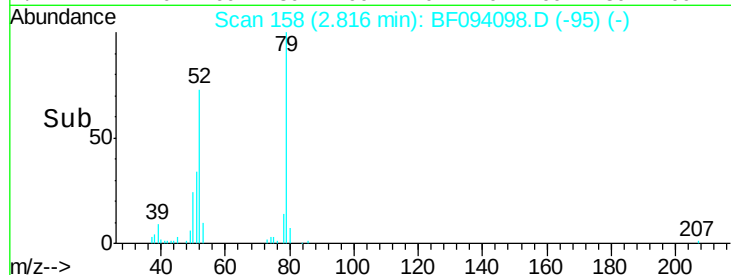
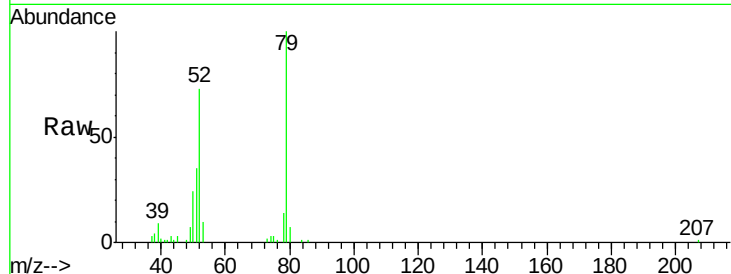
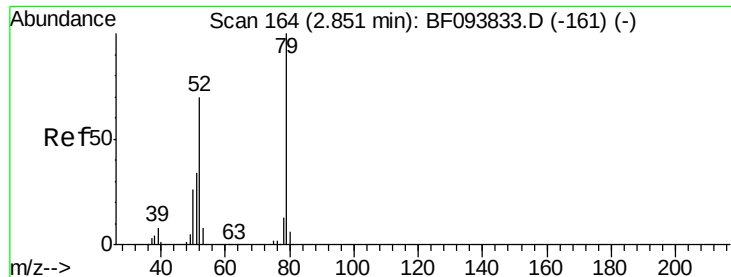
1,4-Dioxane
Concen: 41.04 ng
RT: 2.32 min Scan# 74
Delta R.T. 0.07 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Tgt Ion	Ratio	Lower	Upper
88	100		
58	73.9	61.4	92.0
43	28.4	23.4	35.0



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





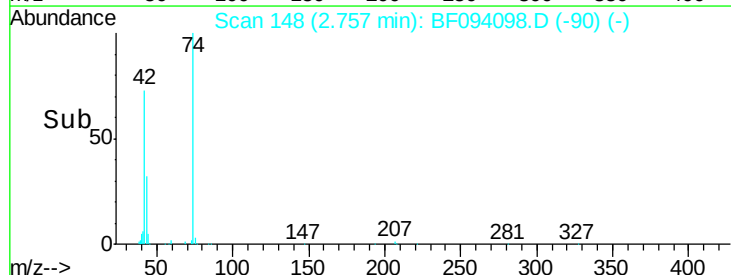
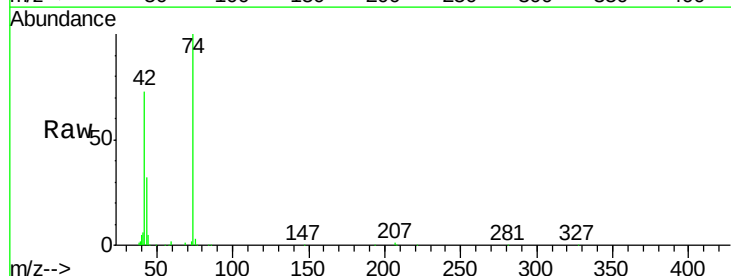
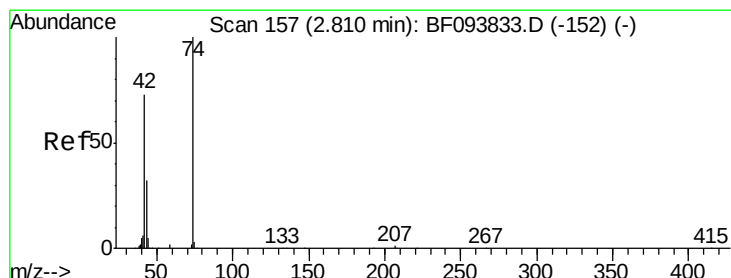
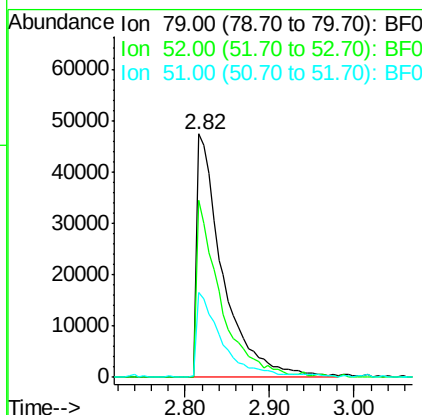
#3
 Pvridine
 Concen: 7.00 ng
 RT: 2.82 min Scan# 158
 Delta R.T. 0.07 min
 Lab File: BF094098.D
 Acq: 31 Mar 2017 16:11

Tot Ion:	79	Resp:	100676
Ion Ratio	Lower	Upper	
79	100		
52	72.6	54.8	82.2
51	34.8	27.0	40.4

Instrument :
 BNA_F
 ClientSampleId :
 B-42-S2(2.0-2.5)MSD

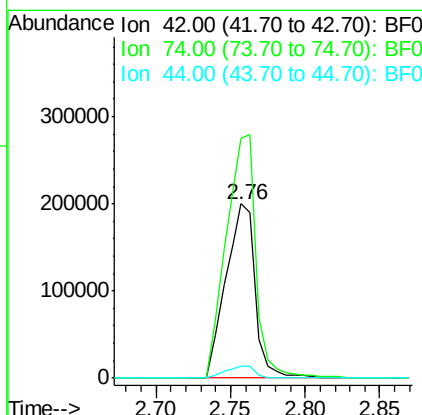
Manual Integrations
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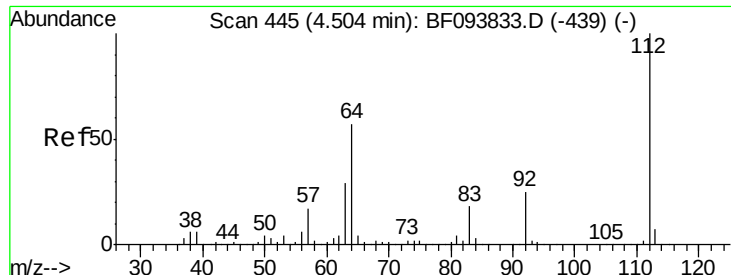
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#4
 n-Nitrosodimethylamine
 Concen: 46.70 ng
 RT: 2.76 min Scan# 148
 Delta R.T. 0.04 min
 Lab File: BF094098.D
 Acq: 31 Mar 2017 16:11

Tgt Ion:	42	Resp:	276176
Ion Ratio	Lower	Upper	
42	100		
74	137.8	103.9	155.9
44	6.7	5.7	8.5





#5

2-Fluorophenol

Concen: 138.68 ng

RT: 4.45 min Scan# 435

Delta R.T. 0.01 min

Lab File: BF094098.D

Acq: 31 Mar 2017 16:11

Instrument :

BNA_F

ClientSampleId :

B-42-S2(2.0-2.5)MSD

Tot Ion: 112 Resp: 1522230

Ion Ratio Lower Upper

112 100

64 58.5 46.0 69.0

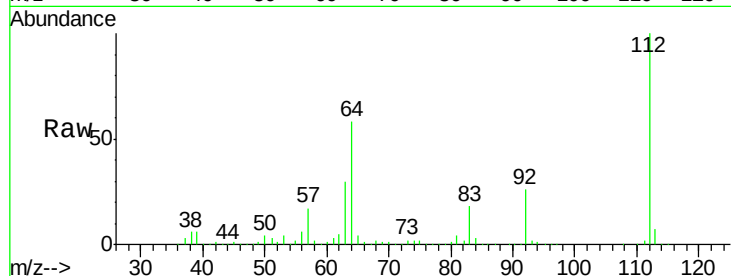
63 29.7 23.4 35.0

Manual Integrations

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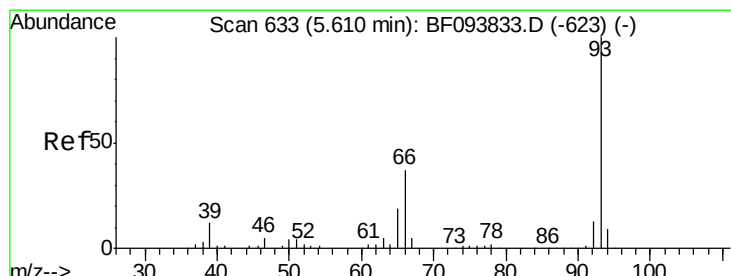
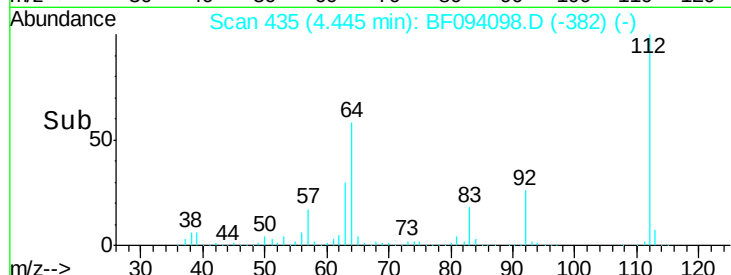
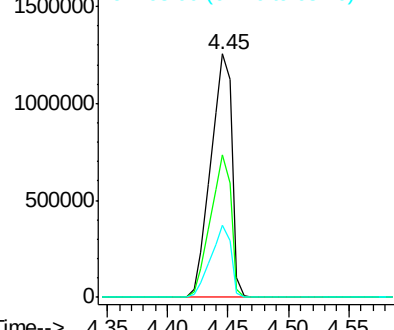
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 21.19 ng

RT: 5.53 min Scan# 619

Delta R.T. -0.00 min

Lab File: BF094098.D

Acq: 31 Mar 2017 16:11

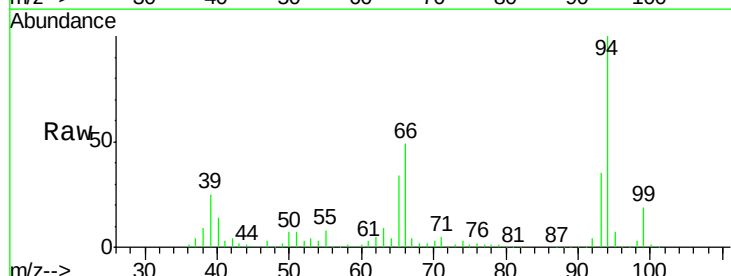
Tgt Ion: 93 Resp: 400310

Ion Ratio Lower Upper

93 100

66 141.2 32.9 49.3#

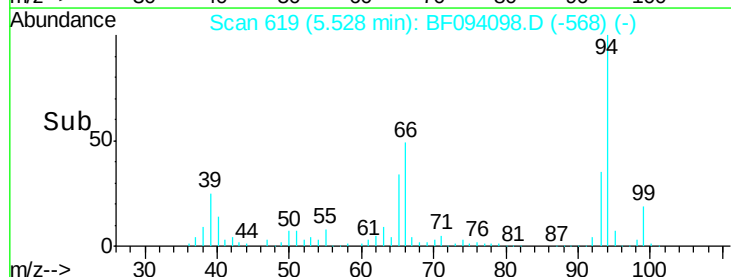
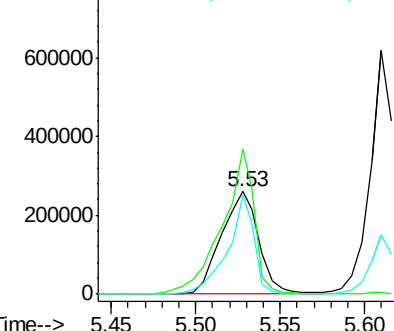
65 97.0 16.0 24.0#

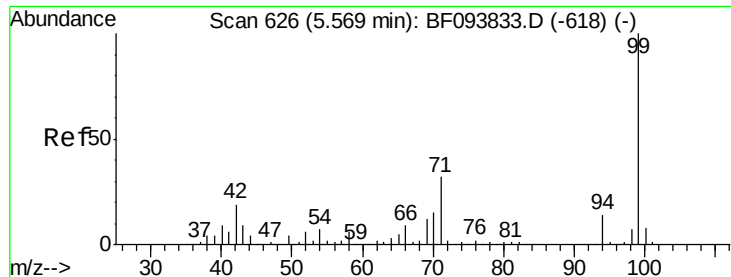


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 141.49 ng

RT: 5.52 min Scan# 617

Delta R.T. 0.01 min

Lab File: BF094098.D

Acq: 31 Mar 2017 16:11

Instrument :

BNA_F

ClientSampleId :

B-42-S2(2.0-2.5)MSD

Tot Ion: 99 Resp: 1921399

Ion Ratio Lower Upper

99 100

42 18.1 13.5 20.3

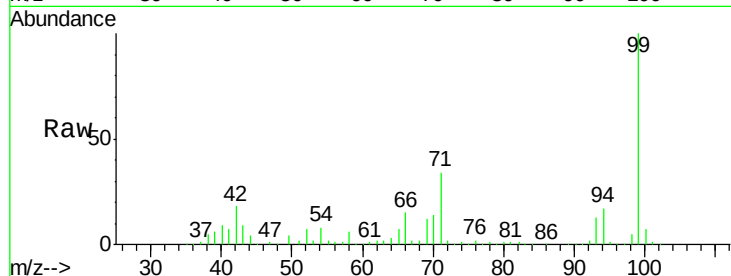
71 33.6 24.5 36.7

Manual Integrations

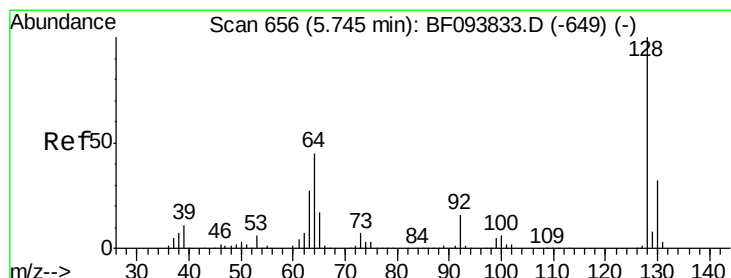
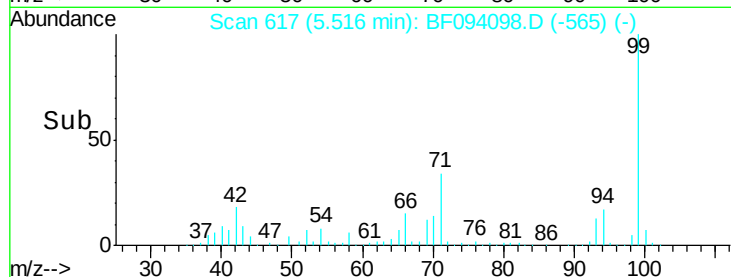
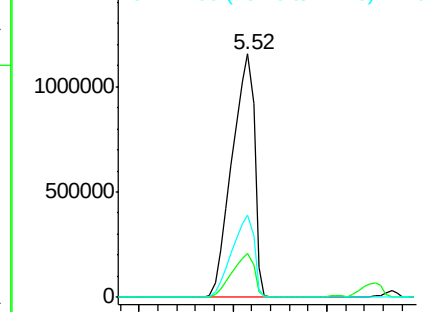
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 50.55 ng

RT: 5.67 min Scan# 643

Delta R.T. -0.00 min

Lab File: BF094098.D

Acq: 31 Mar 2017 16:11

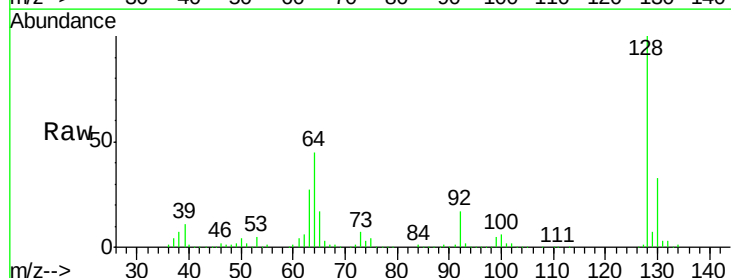
Tgt Ion:128 Resp: 609940

Ion Ratio Lower Upper

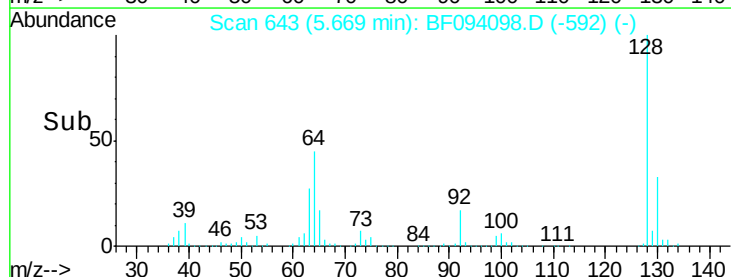
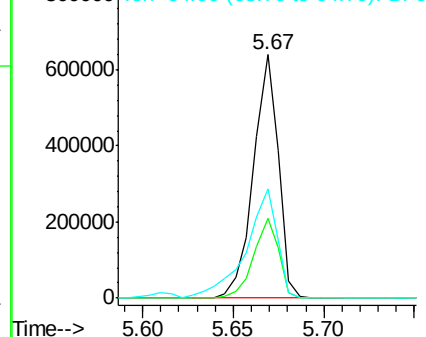
128 100

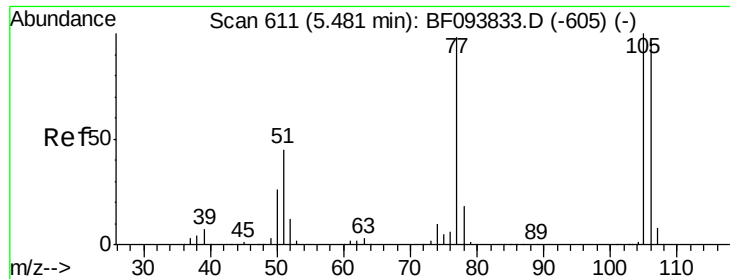
130 32.8 12.9 52.9

64 45.1 28.4 68.4



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





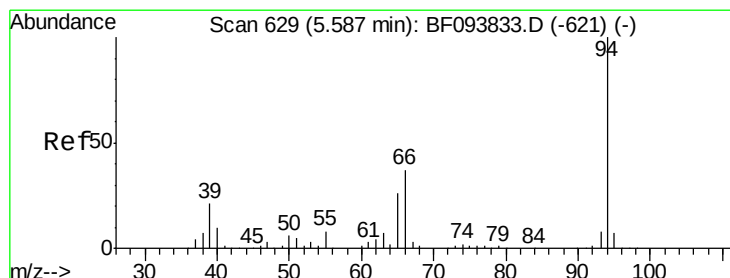
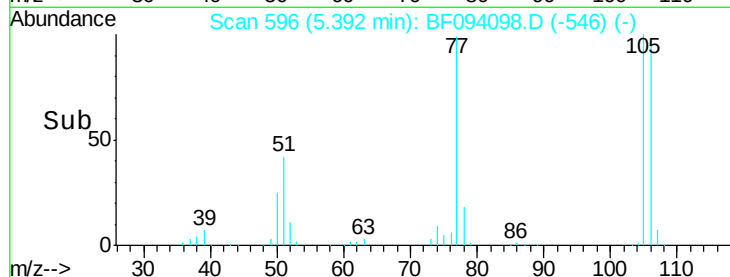
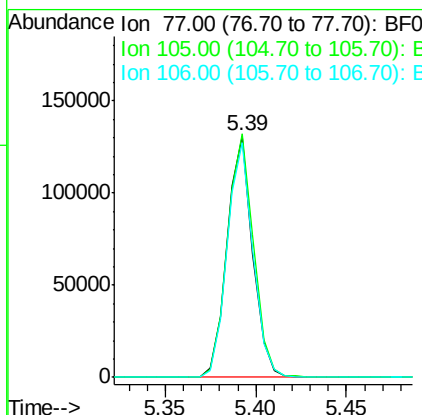
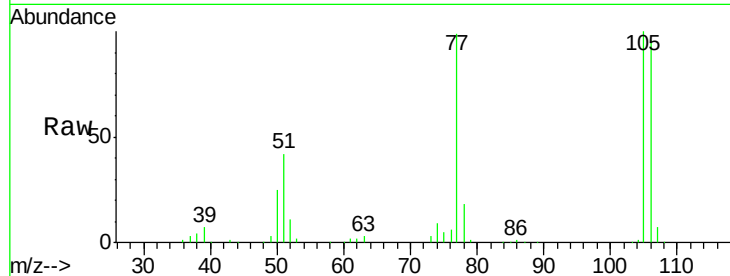
#9
Benzaldehyde
Concen: 14.02 ng
RT: 5.39 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Instrument :
BNA_F
ClientSampleId :
B-42-S2(2.0-2.5)MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	100.8	83.8	123.8
106	97.2	79.1	119.1

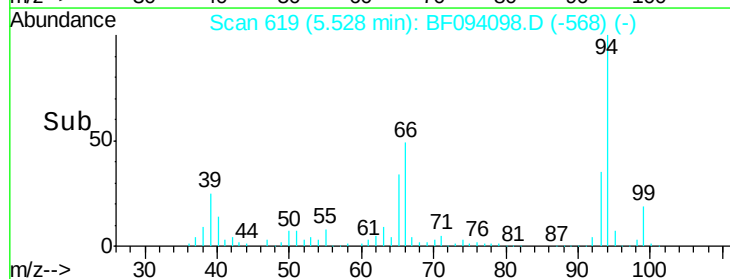
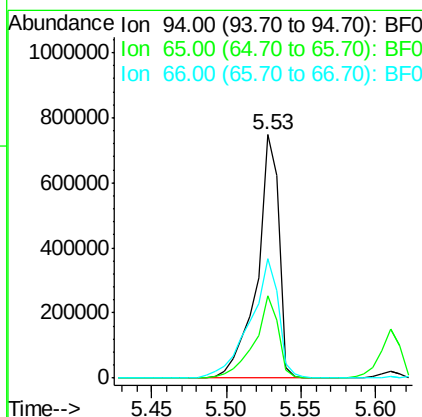
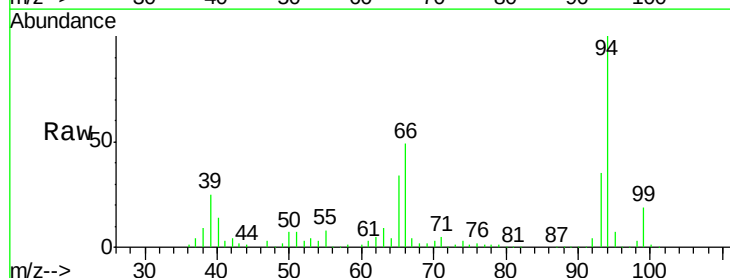
Manual Integrations
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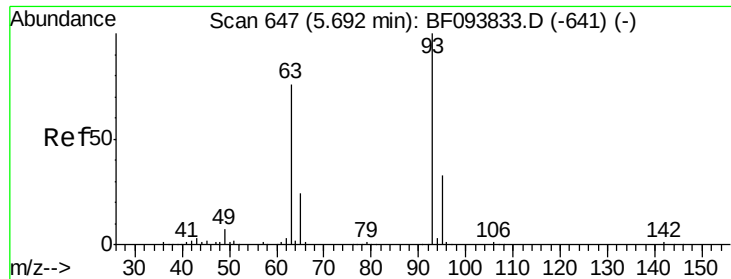
mohammad
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#10
Phenol
Concen: 48.42 ng
RT: 5.53 min Scan# 619
Delta R.T. -0.00 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Tgt Ion	Ratio	Lower	Upper
94	100		
65	33.7	9.9	49.9
66	49.1	23.1	63.1





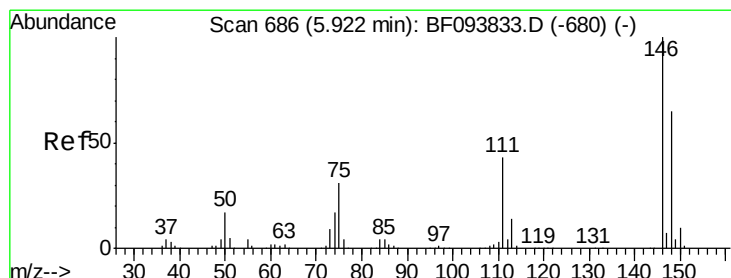
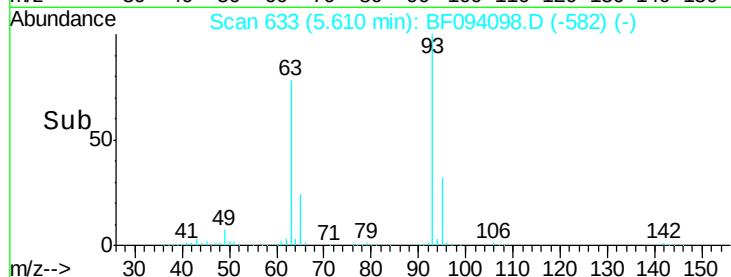
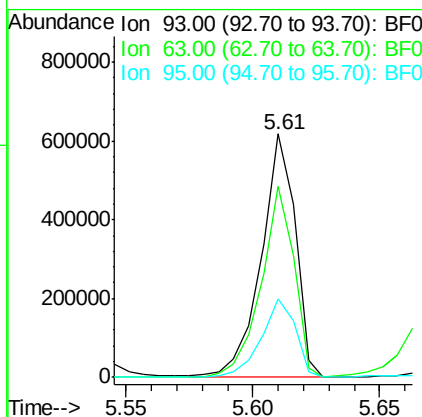
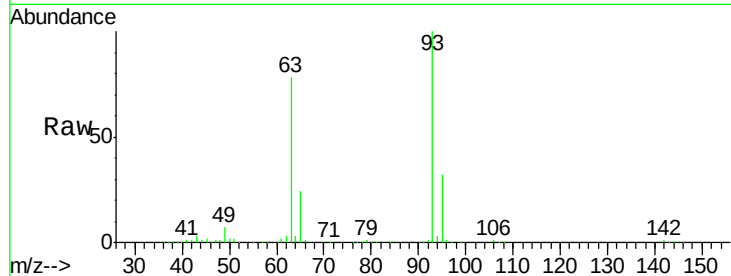
#11
bis(2-Chloroethyl)ether
Concen: 47.66 ng
RT: 5.61 min Scan# 633
Delta R.T. -0.00 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Instrument :
BNA_F
ClientSampleId :
B-42-S2(2.0-2.5)MSD

Tot Ion:	93	Resp:	575495
Ion Ratio	Lower	Upper	
93	100		
63	78.3	59.2	99.2
95	32.2	12.8	52.8

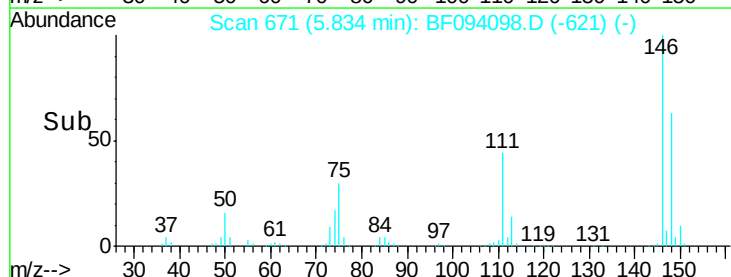
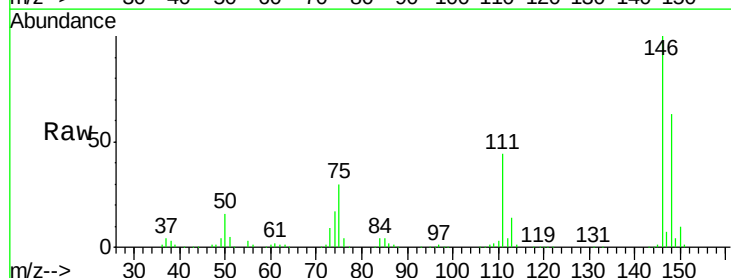
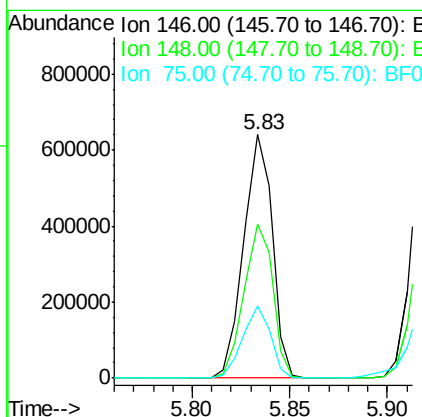
Manual Integrations
APPROVED

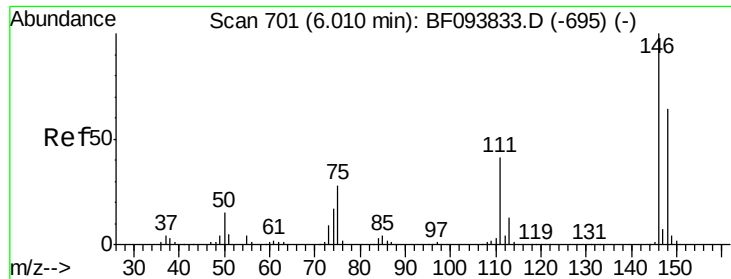
mohammad
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#12
1,3-Dichlorobenzene
Concen: 48.30 ng
RT: 5.83 min Scan# 671
Delta R.T. -0.01 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Tgt Ion:	146	Resp:	653687
Ion Ratio	Lower	Upper	
146	100		
148	63.2	51.8	77.6
75	29.8	23.1	34.7





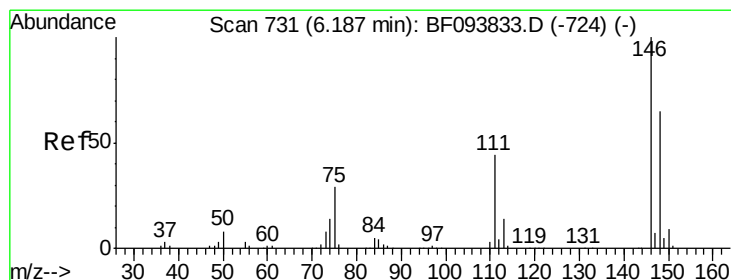
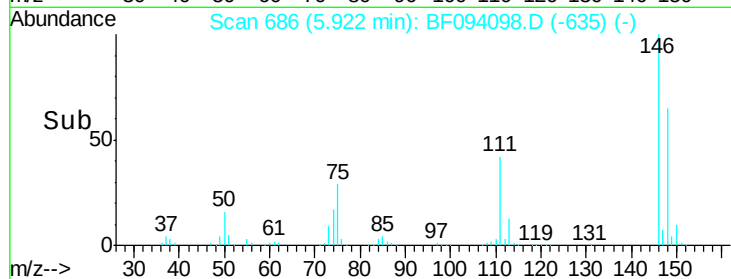
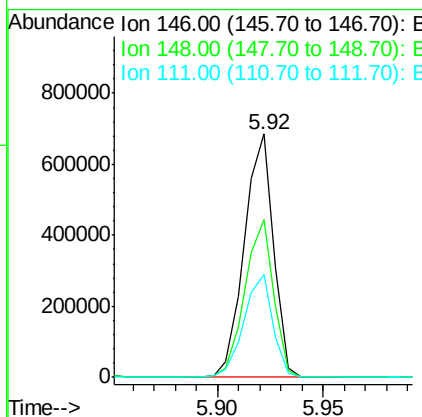
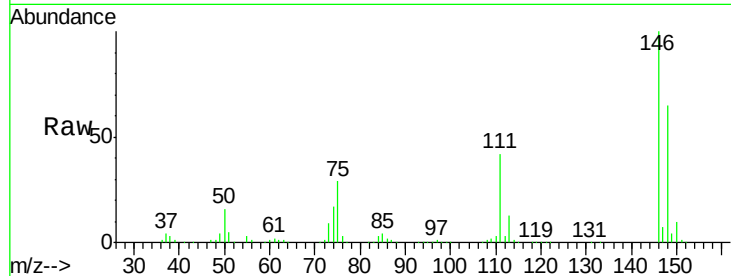
#13
 1,4-Dichlorobenzene
 Concen: 47.88 ng
 RT: 5.92 min Scan# 686
 Delta R.T. -0.00 min
 Lab File: BF094098.D
 Acq: 31 Mar 2017 16:11

Instrument :
 BNA_F
 ClientSampleId :
 B-42-S2(2.0-2.5)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.9	52.2	78.2
111	42.2	30.3	45.5

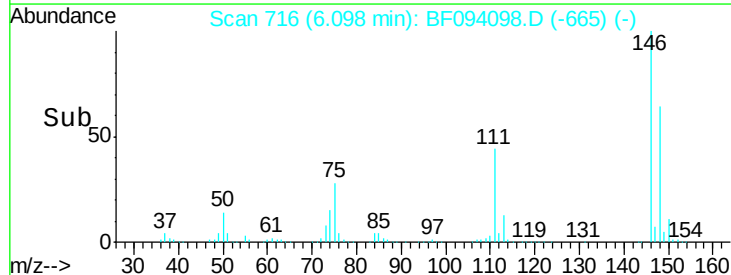
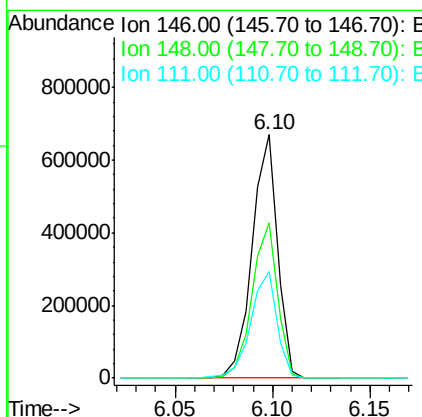
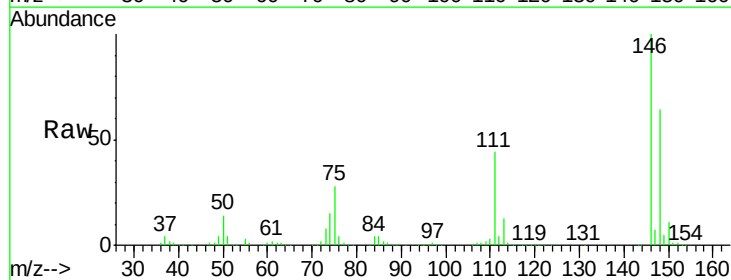
Manual Integrations
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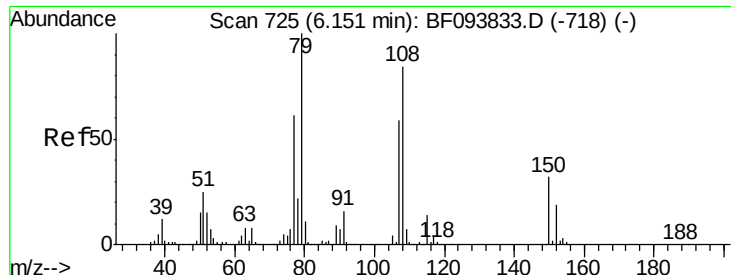
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#14
 1,2-Dichlorobenzene
 Concen: 47.79 ng
 RT: 6.10 min Scan# 716
 Delta R.T. -0.00 min
 Lab File: BF094098.D
 Acq: 31 Mar 2017 16:11

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.4	75.6
111	43.9	38.2	57.4





#15

Benzyl Alcohol

Concen: 49.40 ng

RT: 6.07 min Scan# 712

Delta R.T. -0.00 min

Lab File: BF094098.D

Acq: 31 Mar 2017 16:11

Instrument :

BNA_F

ClientSampleId :

B-42-S2(2.0-2.5)MSD

Tot Ion: 79 Resp: 491013

Ion Ratio Lower Upper

79 100

108 81.0 63.4 95.0

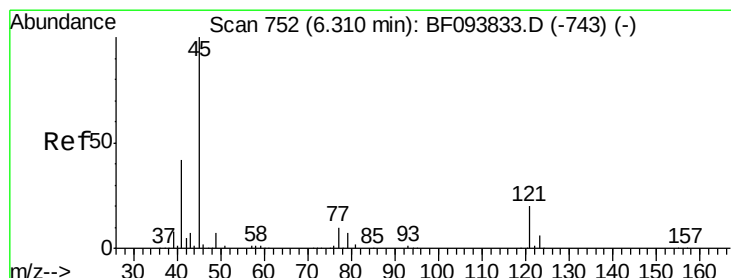
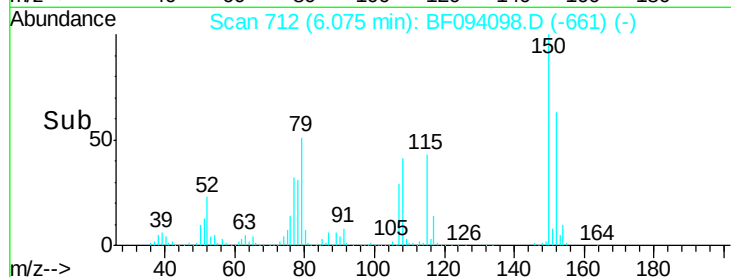
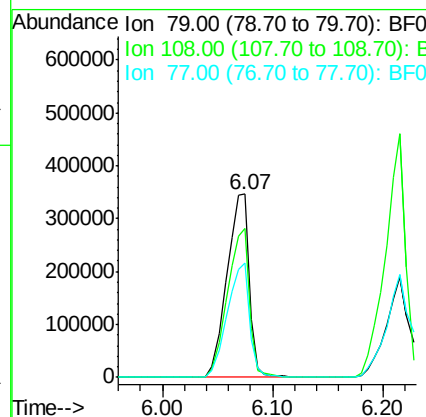
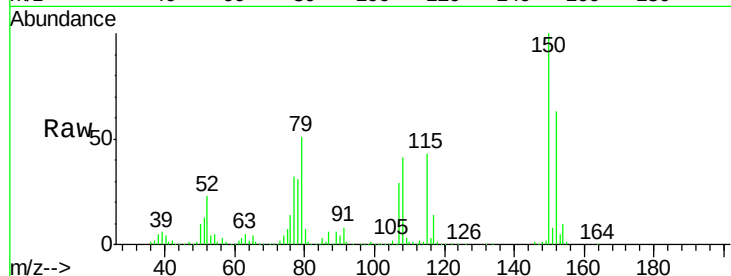
77 62.7 49.2 73.8

Manual Integrations

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.13 ng

RT: 6.23 min Scan# 739

Delta R.T. 0.01 min

Lab File: BF094098.D

Acq: 31 Mar 2017 16:11

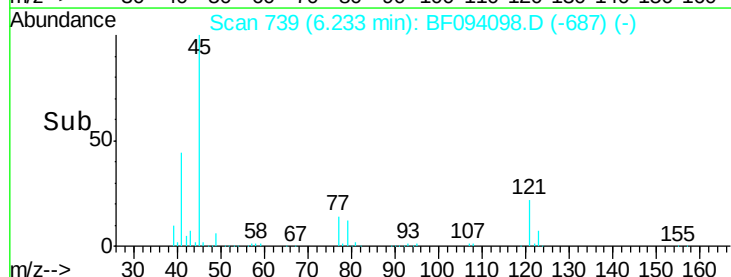
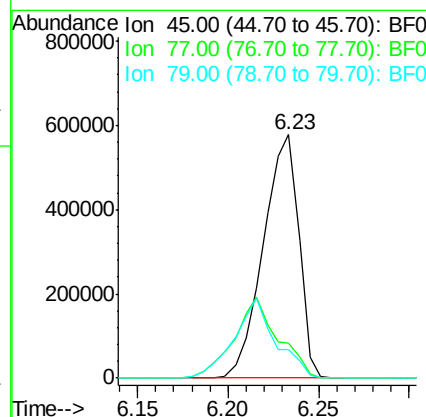
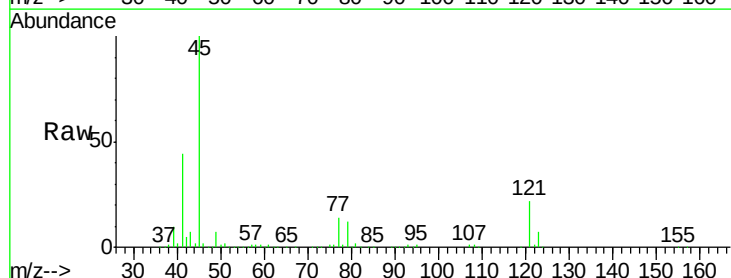
Tgt Ion: 45 Resp: 783890

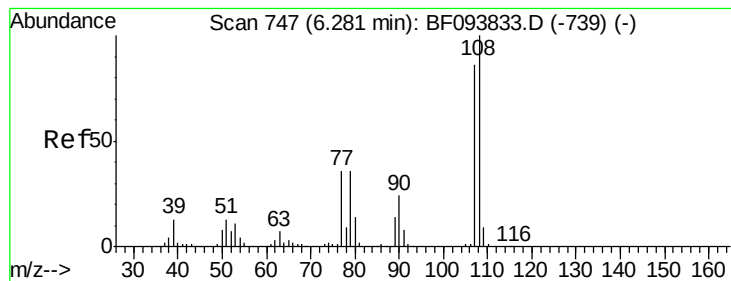
Ion Ratio Lower Upper

45 100

77 14.3 0.0 33.2

79 11.9 0.0 30.0





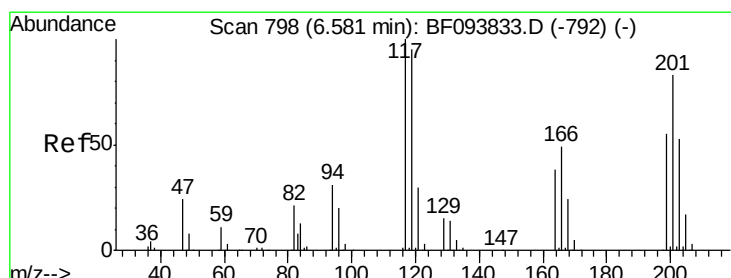
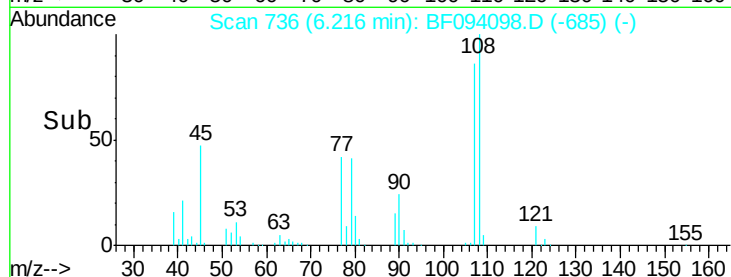
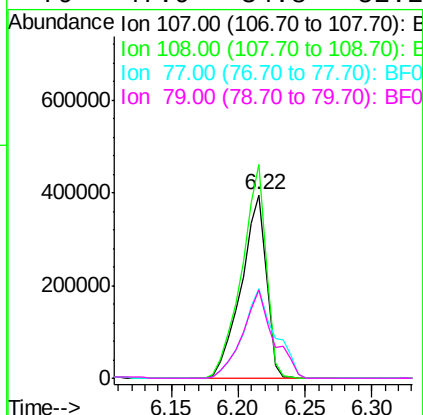
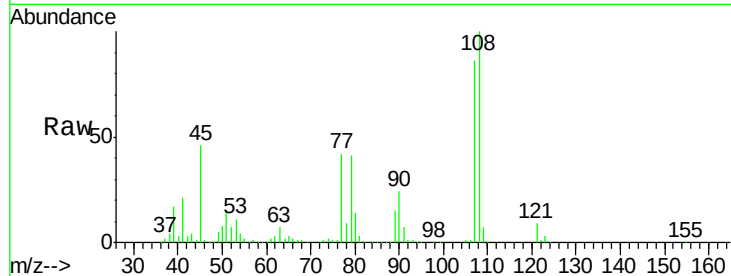
#17
2-Methylphenol
Concen: 49.46 ng
RT: 6.22 min Scan# 736
Delta R.T. -0.00 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Instrument :
BNA_F
ClientSampleId :
B-42-S2(2.0-2.5)MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	116.7	93.4	140.0
77	49.0	35.8	53.6
79	47.9	34.8	52.2

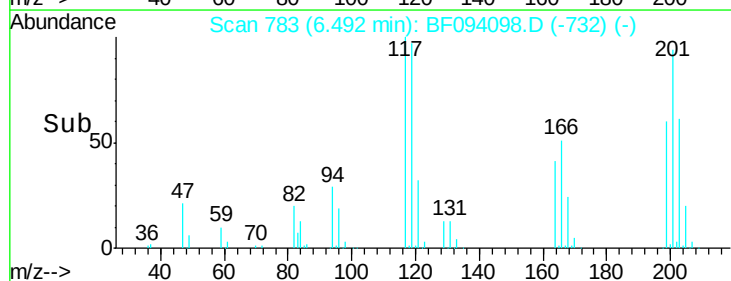
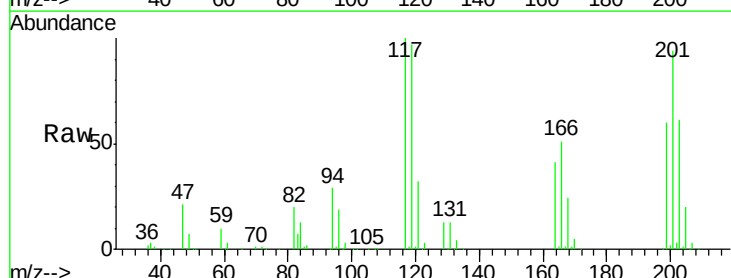
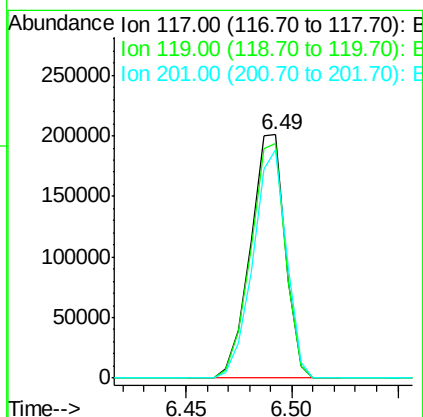
Manual Integrations
APPROVED

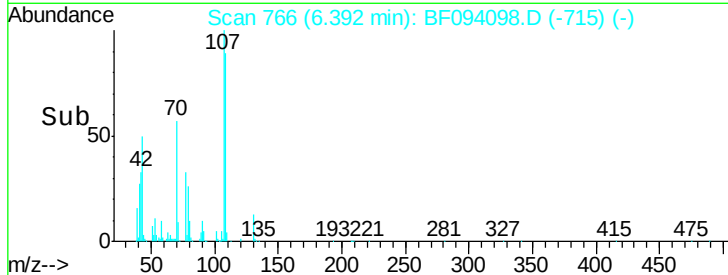
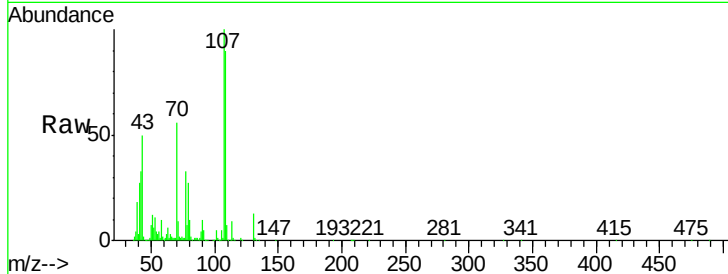
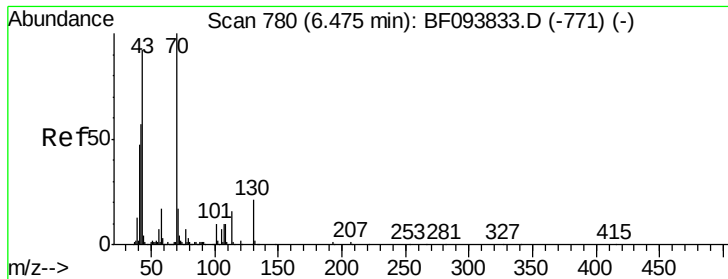
mohammad
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#18
Hexachloroethane
Concen: 47.61 ng
RT: 6.49 min Scan# 783
Delta R.T. -0.00 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.4	116.0
201	93.8	94.6	141.8#





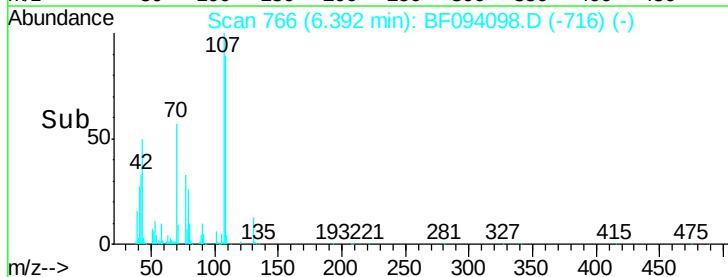
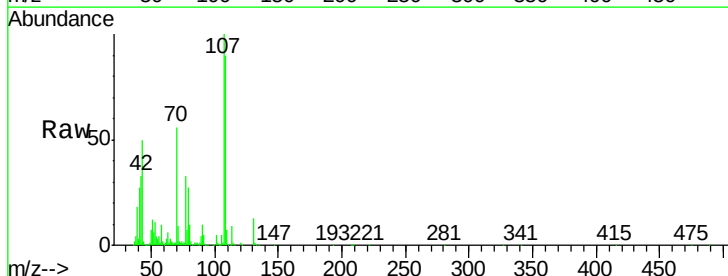
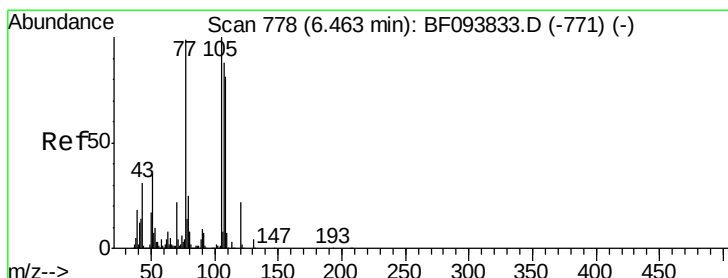
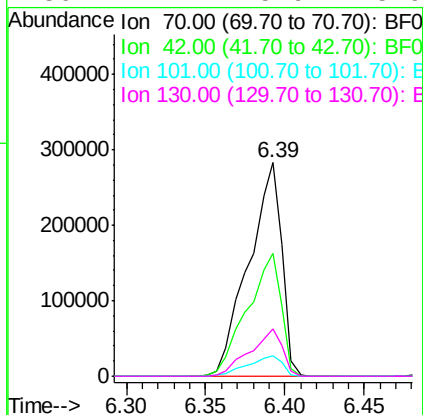
#19
n-Nitroso-di-n-propylamine
Concen: 47.19 ng
RT: 6.39 min Scan# 766
Delta R.T. -0.00 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Instrument :
BNA_F
ClientSampleId :
B-42-S2(2.0-2.5)MSD

Tot Ion	Ion	Ratio	Lower	Upper
411895	70	100		
	42	57.7	47.2	70.8
	101	9.7	7.2	10.8
	130	22.4	15.9	23.9

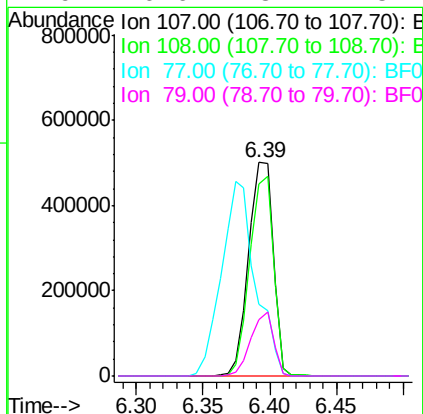
Manual Integrations
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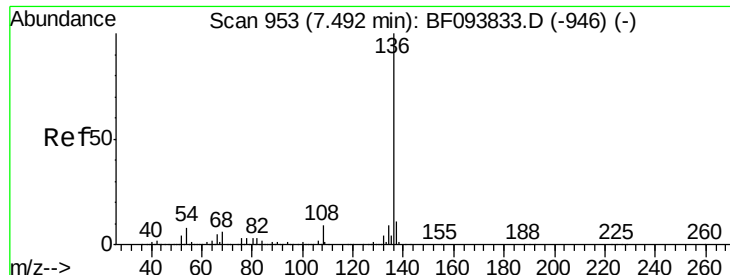
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#20
3+4-Methylphenols
Concen: 50.89 ng
RT: 6.39 min Scan# 766
Delta R.T. -0.01 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Tgt Ion	Ion	Ratio	Lower	Upper
636814	107	100		
	108	89.7	71.0	111.0
	77	33.4	90.5	130.5#
	79	26.6	8.4	48.4





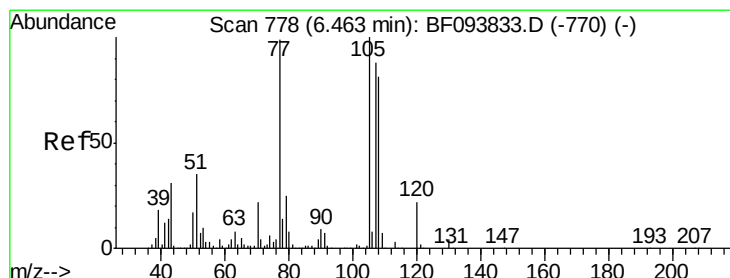
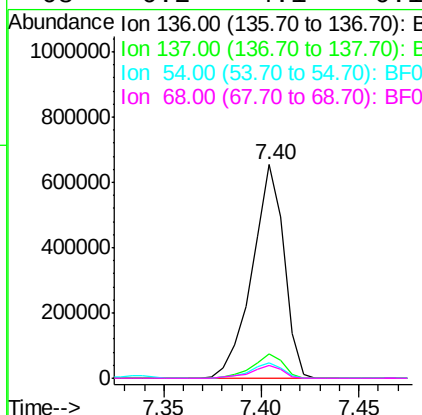
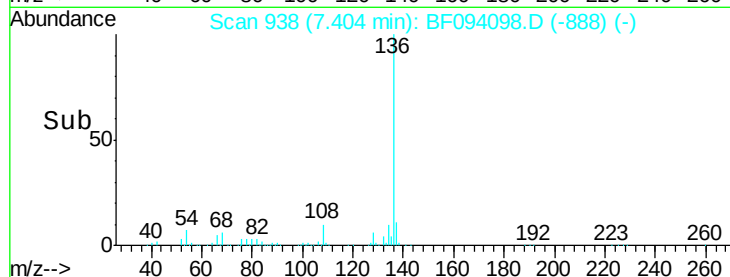
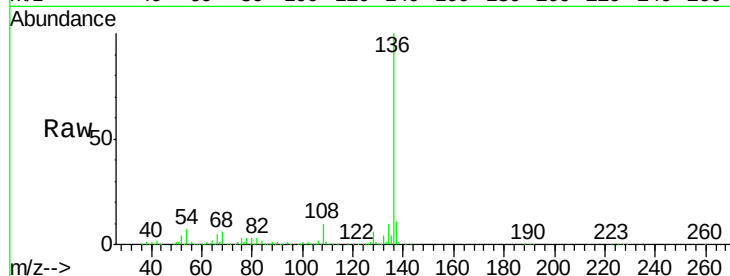
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.40 min Scan# 938
Delta R.T. -0.01 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Instrument :
BNA_F
ClientSampleId :
B-42-S2(2.0-2.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	741115		
137	11.2		8.5	12.7
54	7.5		4.9	7.3#
68	6.2		4.1	6.1#

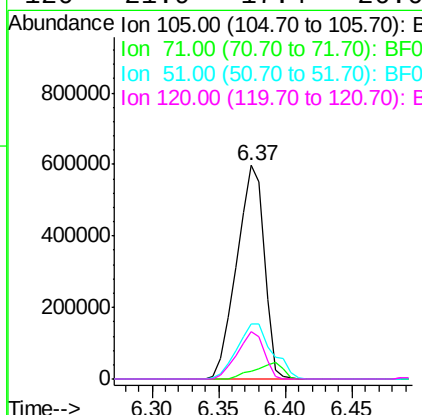
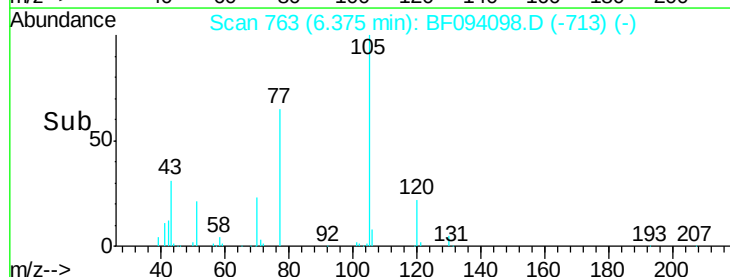
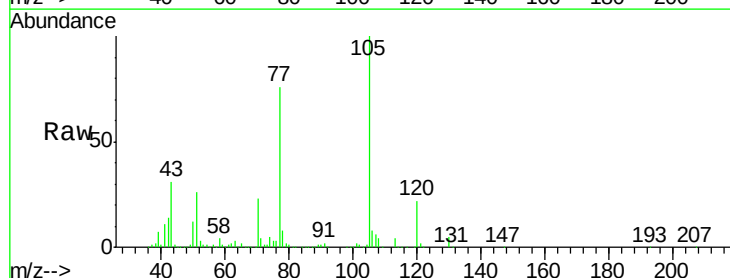
Manual Integrations
APPROVED

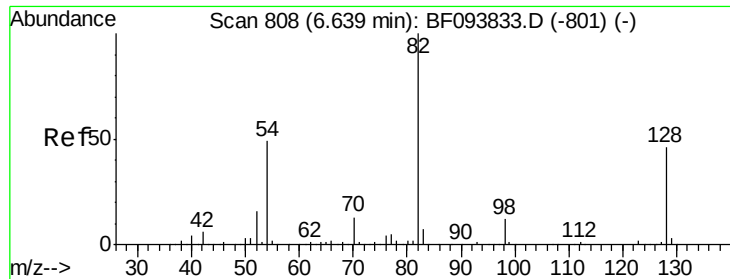
mohammad
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#22
Acetophenone
Concen: 51.81 ng
RT: 6.37 min Scan# 763
Delta R.T. -0.01 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	855760		
71	3.7		2.8	4.2
51	25.7		30.7	46.1#
120	21.9		17.4	26.0





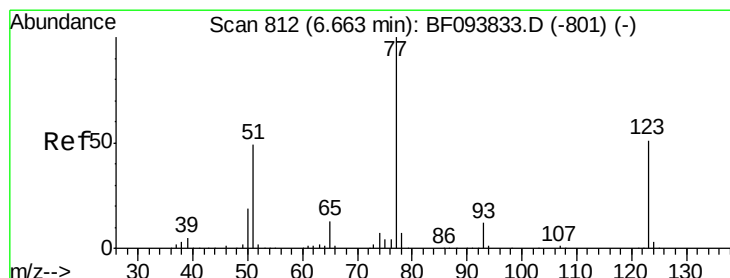
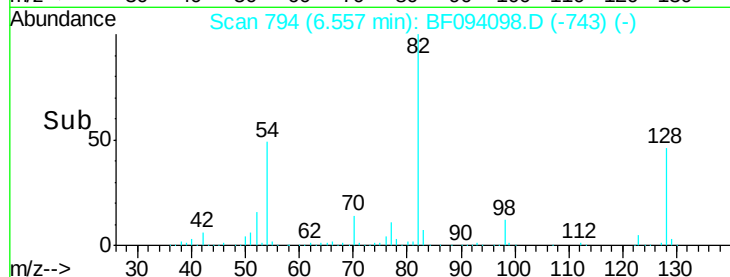
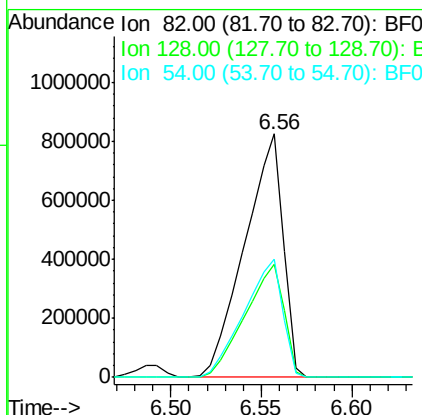
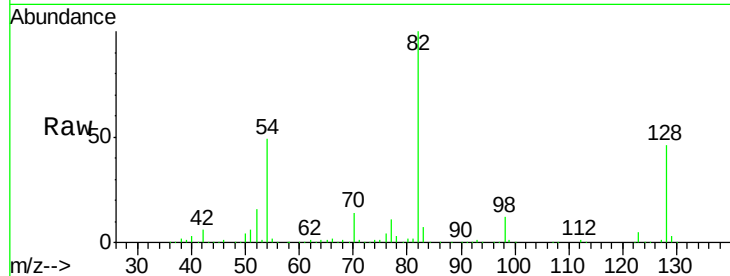
#23
 Nitrobenzene-d5
 Concen: 93.68 ng
 RT: 6.56 min Scan# 794
 Delta R.T. -0.00 min
 Lab File: BF094098.D
 Acq: 31 Mar 2017 16:11

Instrument :
 BNA_F
 ClientSampleId :
 B-42-S2(2.0-2.5)MSD

Tot Ion	82	Resp	1216539
Ion Ratio	100	Lower	Upper
82	100		
128	46.4	34.0	51.0
54	48.7	42.2	63.2

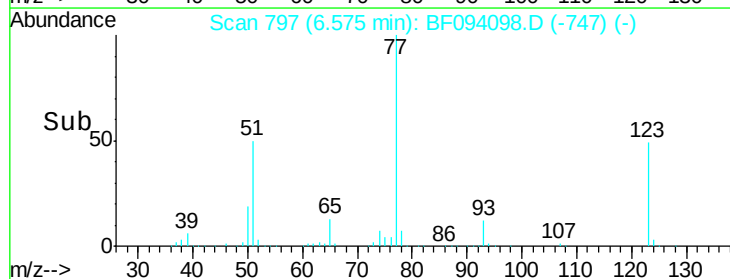
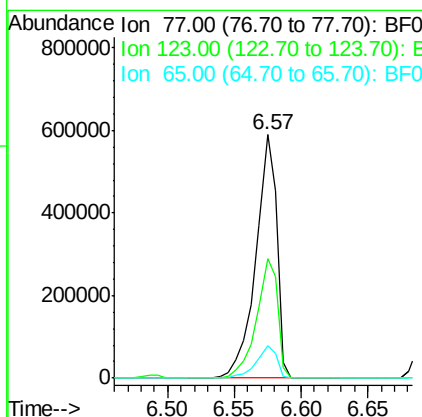
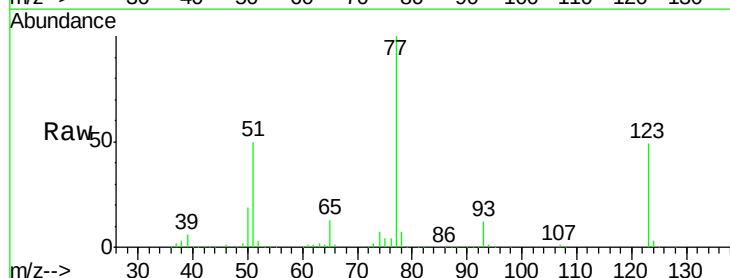
Manual Integrations
 APPROVED

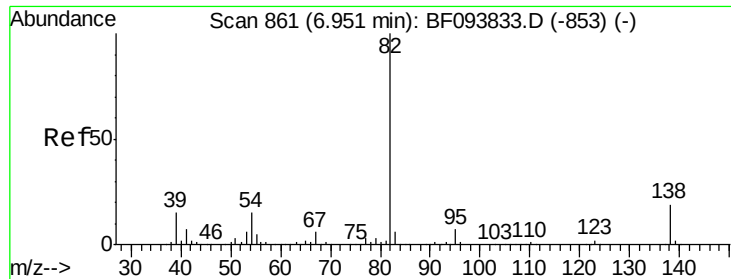
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#24
 Nitrobenzene
 Concen: 49.27 ng
 RT: 6.57 min Scan# 797
 Delta R.T. -0.01 min
 Lab File: BF094098.D
 Acq: 31 Mar 2017 16:11

Tgt Ion	77	Resp	630983
Ion Ratio	100	Lower	Upper
77	100		
123	48.8	35.8	53.8
65	13.1	10.6	15.8





#25

Isophorone

Concen: 48.93 ng

RT: 6.86 min Scan# 846

Delta R.T. -0.01 min

Lab File: BF094098.D

Acq: 31 Mar 2017 16:11

Instrument :

BNA_F

ClientSampleId :

B-42-S2(2.0-2.5)MSD

Tot Ion: 82 Resp: 1116430

Ion Ratio Lower Upper

82 100

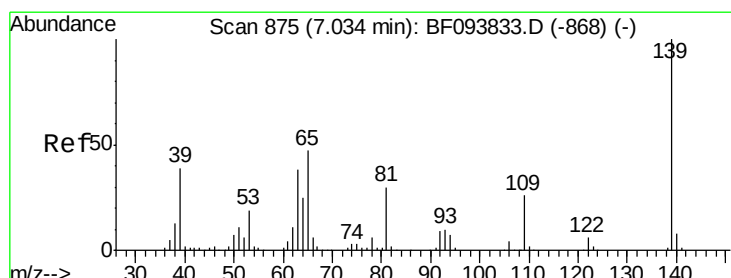
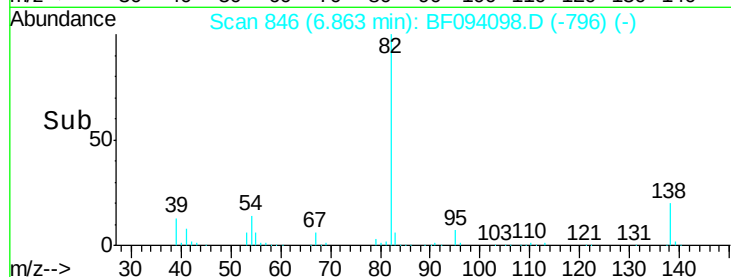
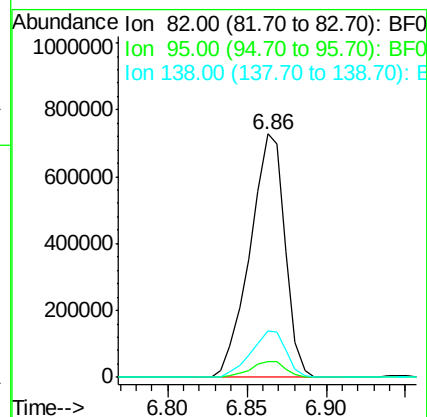
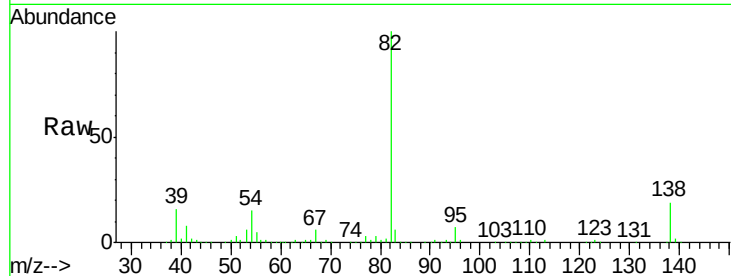
95 6.7 5.3 7.9

138 19.3 13.1 19.7

Manual Integrations
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#26

2-Nitrophenol

Concen: 57.08 ng

RT: 6.95 min Scan# 861

Delta R.T. -0.00 min

Lab File: BF094098.D

Acq: 31 Mar 2017 16:11

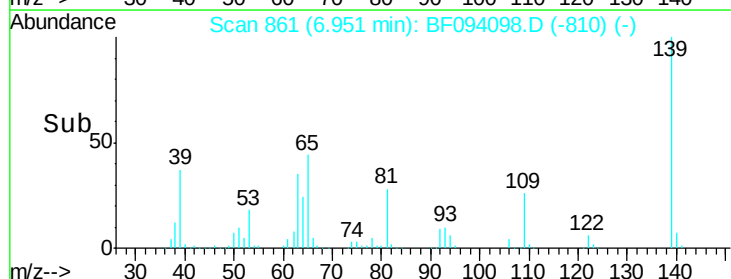
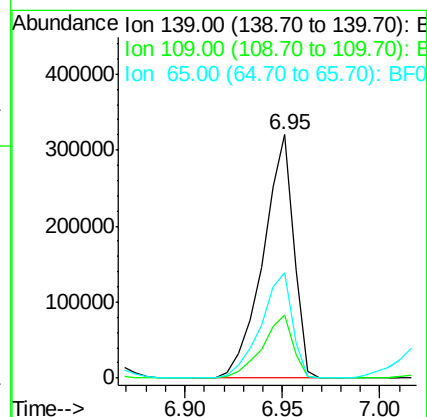
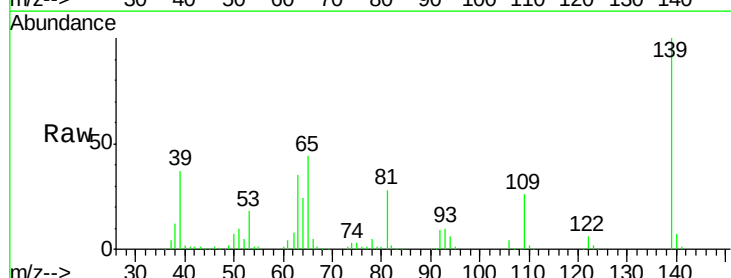
Tgt Ion: 139 Resp: 348634

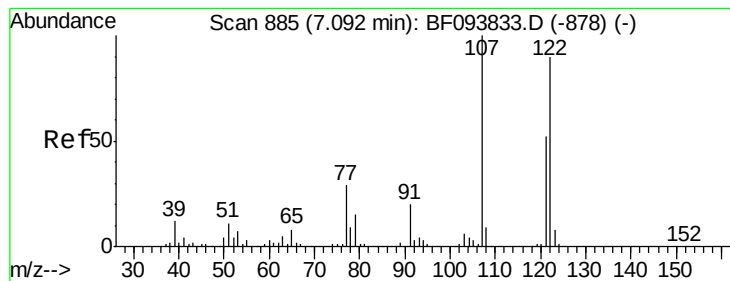
Ion Ratio Lower Upper

139 100

109 26.0 21.0 31.6

65 43.5 33.0 49.6





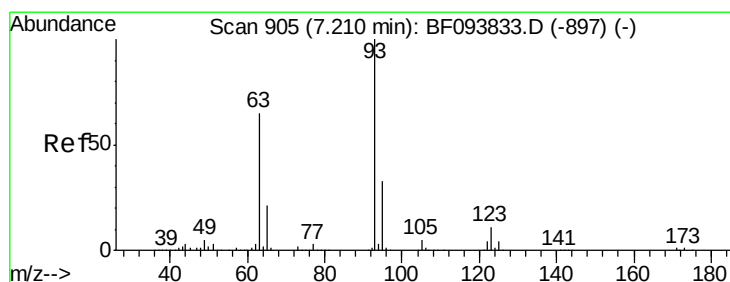
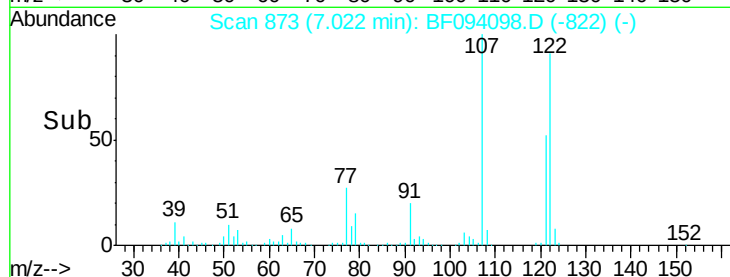
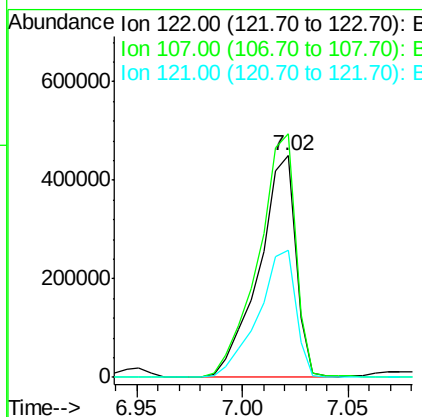
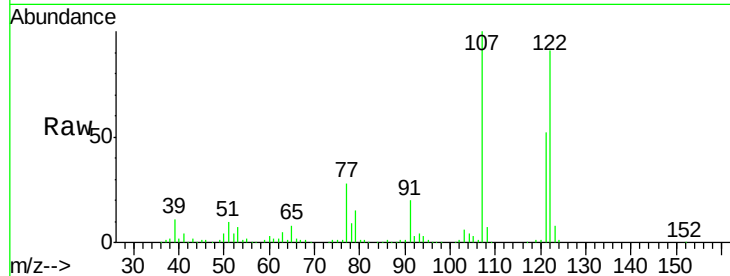
#27
2,4-Dimethylphenol
Concen: 52.21 ng
RT: 7.02 min Scan# 873
Delta R.T. -0.00 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Instrument :
BNA_F
ClientSampleId :
B-42-S2(2.0-2.5)MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	110.0	89.2	133.8
121	57.4	45.2	67.8

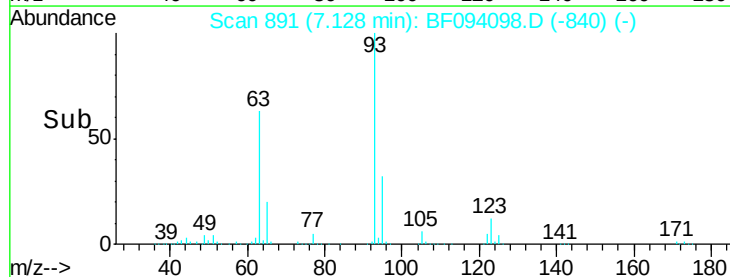
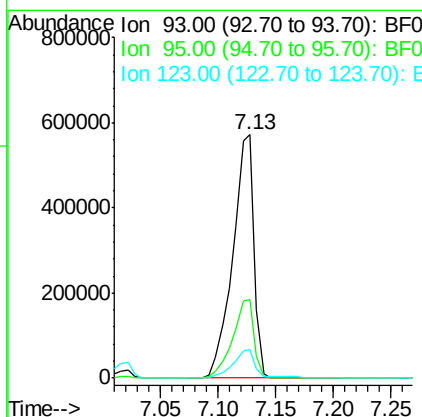
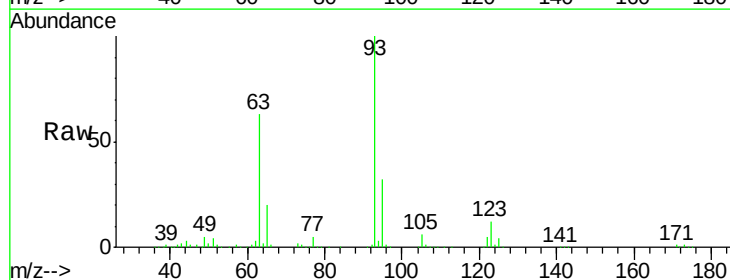
Manual Integrations
APPROVED

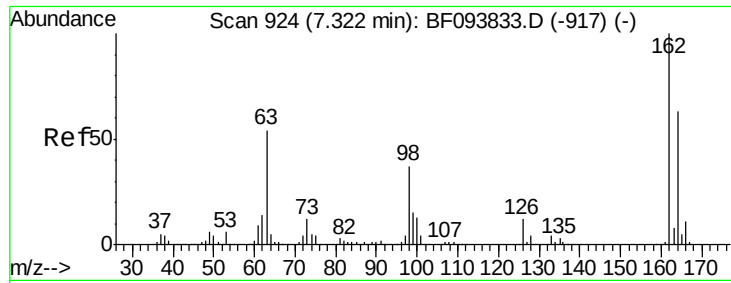
mohammad
4/3/2017 3:25:43 PM



#28
bis(2-Chloroethoxy)methane
Concen: 48.27 ng
RT: 7.13 min Scan# 891
Delta R.T. -0.00 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.5	39.7
123	11.7	9.0	13.4





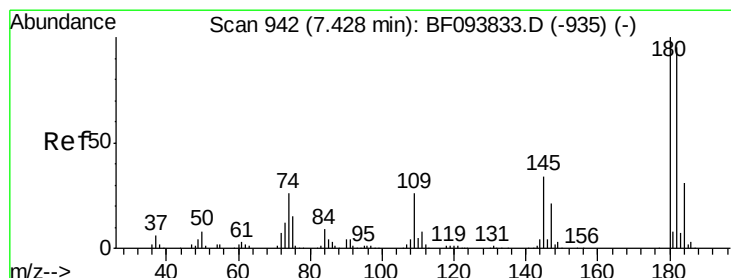
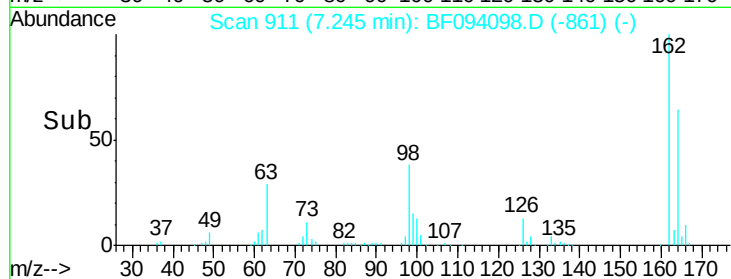
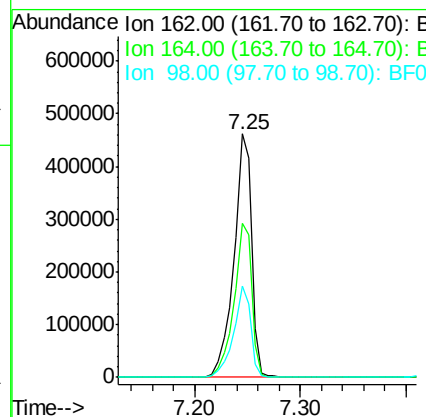
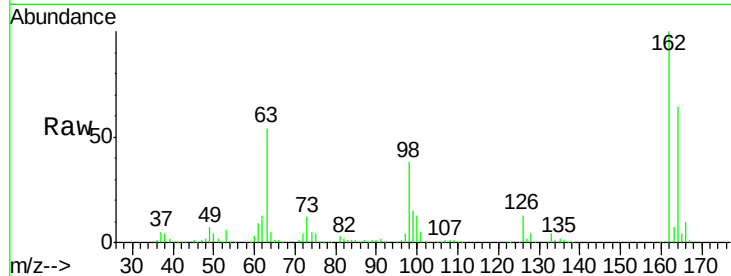
#29
 2,4-Dichlorophenol
 Concen: 53.79 ng
 RT: 7.25 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF094098.D
 Acq: 31 Mar 2017 16:11

Instrument :
 BNA_F
 ClientSampleId :
 B-42-S2(2.0-2.5)MSD

Tot Ion:	162	Resp:	529322
Ion Ratio	Lower	Upper	
162	100		
164	63.5	44.6	84.6
98	37.7	14.8	54.8

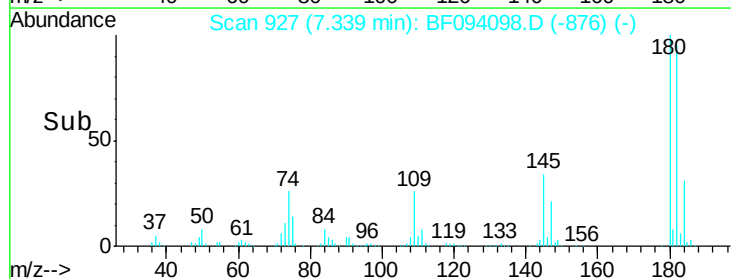
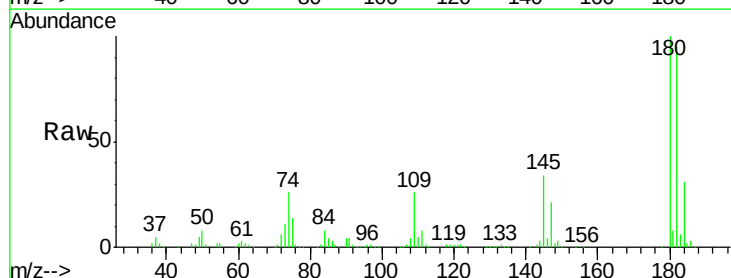
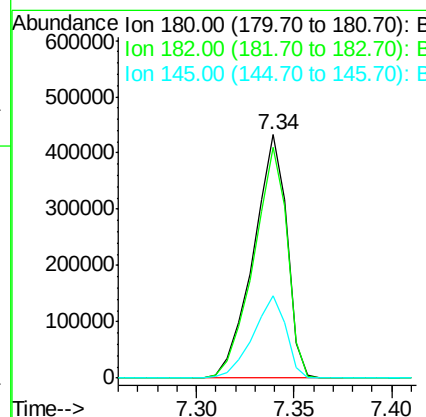
Manual Integrations
 APPROVED

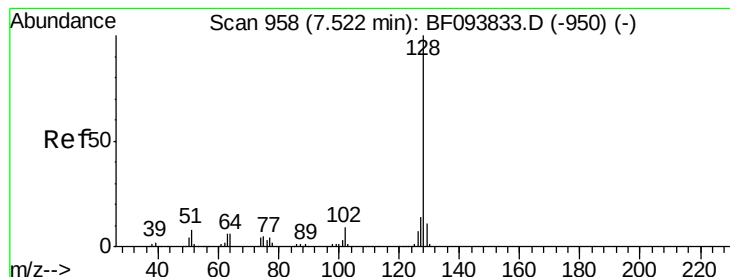
mohammad
 4/3/2017 3:25:43 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 50.61 ng
 RT: 7.34 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: BF094098.D
 Acq: 31 Mar 2017 16:11

Tgt Ion:	180	Resp:	512977
Ion Ratio	Lower	Upper	
180	100		
182	94.9	75.8	113.6
145	33.7	25.3	37.9





#31

Naphthalene

Concen: 47.85 ng

RT: 7.43 min Scan# 943

Delta R.T. -0.00 min

Lab File: BF094098.D

Acq: 31 Mar 2017 16:11

Instrument :

BNA_F

ClientSampleId :

B-42-S2(2.0-2.5)MSD

Tot Ion:128 Resp: 1705007

Ion Ratio Lower Upper

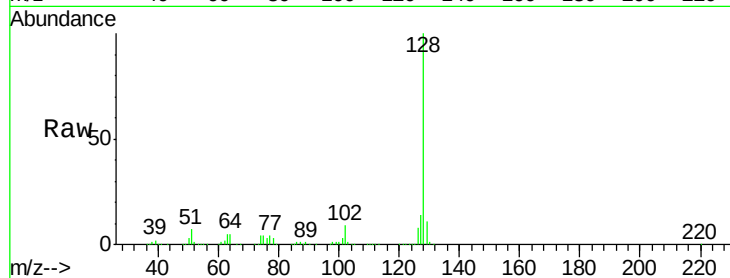
128 100

129 11.3 9.0 13.6

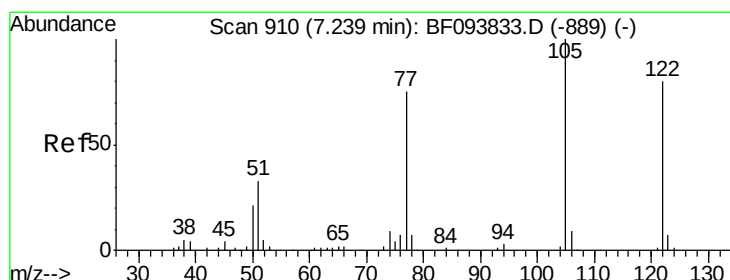
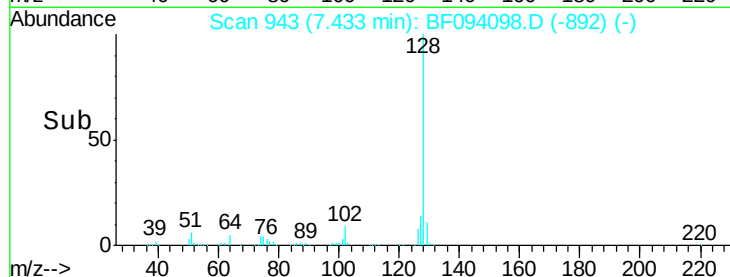
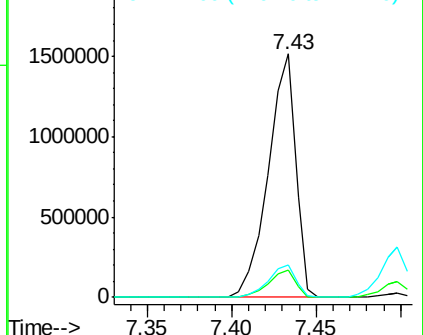
127 13.5 10.8 16.2

Manual Integrations
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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: 27.55 ng

RT: 7.17 min Scan# 898

Delta R.T. -0.02 min

Lab File: BF094098.D

Acq: 31 Mar 2017 16:11

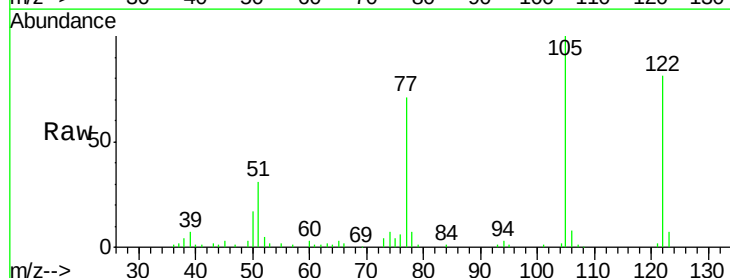
Tgt Ion:122 Resp: 193018

Ion Ratio Lower Upper

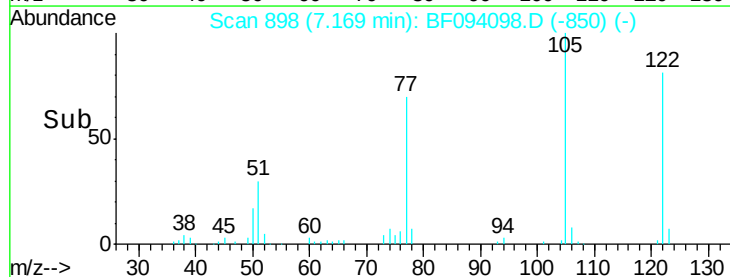
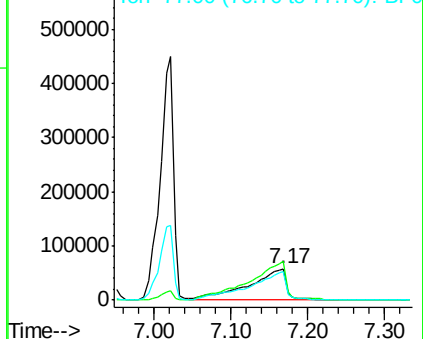
122 100

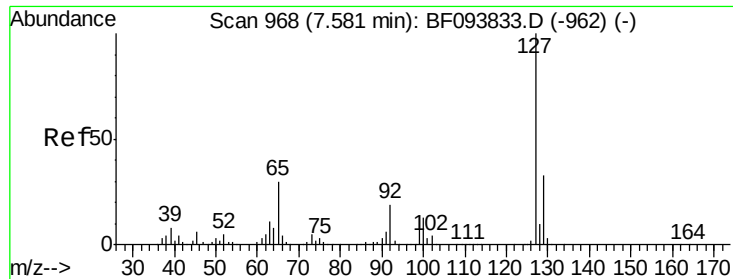
105 124.2 103.3 143.3

77 88.7 73.7 113.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





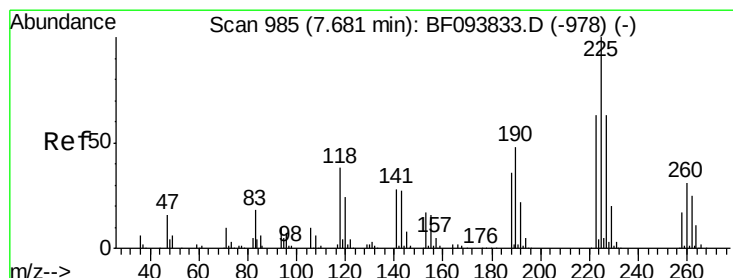
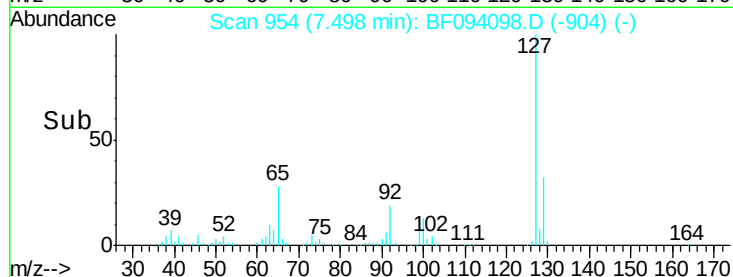
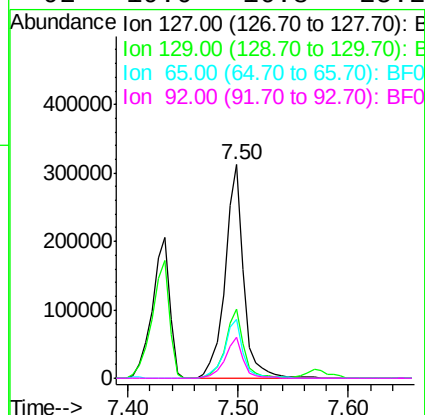
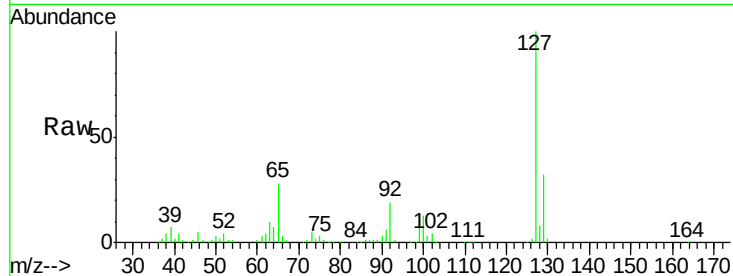
#33
4-Chloroaniline
Concen: 25.44 ng
RT: 7.50 min Scan# 954
Delta R.T. -0.01 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Instrument :
BNA_F
ClientSampleId :
B-42-S2(2.0-2.5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.4	26.2	39.2		
65	27.8	27.8	41.8		
92	19.0	16.8	25.2		

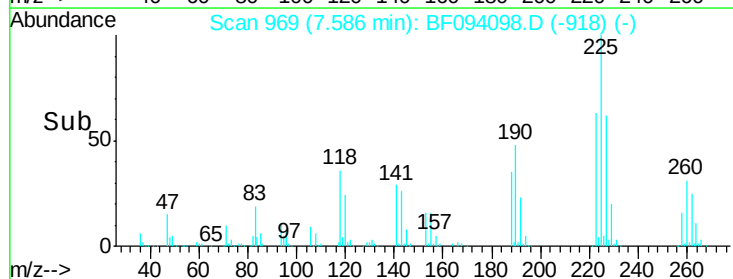
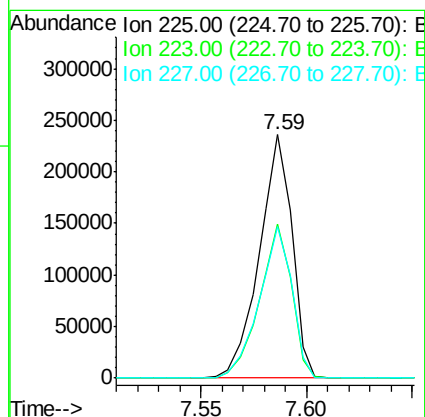
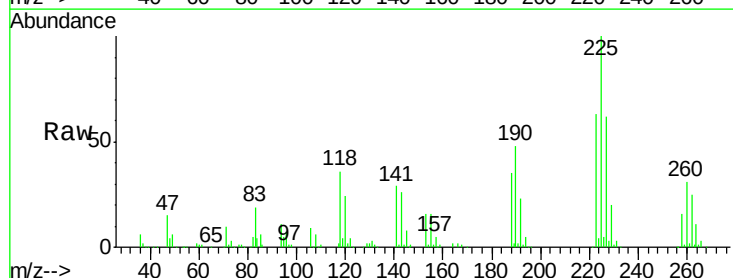
Manual Integrations
APPROVED

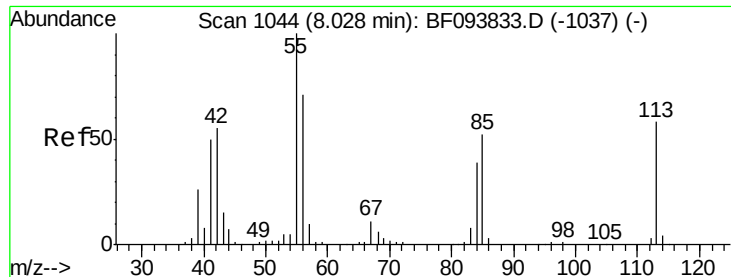
mohammad
4/3/2017 3:25:43 PM



#34
Hexachlorobutadiene
Concen: 48.86 ng
RT: 7.59 min Scan# 969
Delta R.T. -0.00 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.4	48.8	73.2		
227	62.4	51.1	76.7		





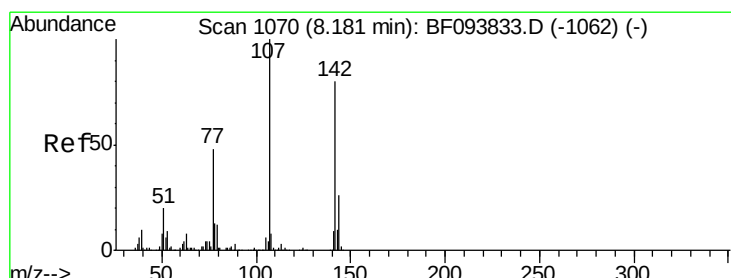
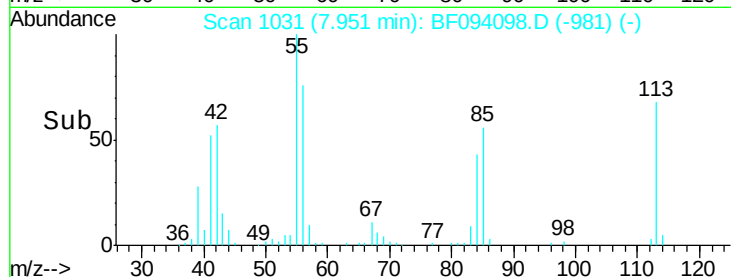
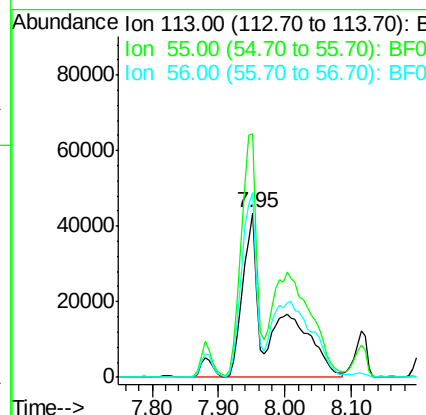
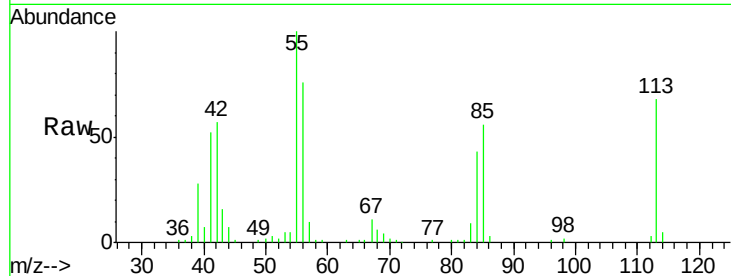
#35
Caprolactam
Concen: 44.41 ng/ml
RT: 7.95 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Instrument :
BNA_F
ClientSampleId :
B-42-S2(2.0-2.5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100		139371		
55	147.9	150.2	190.2		
56	112.5	107.8	147.8		

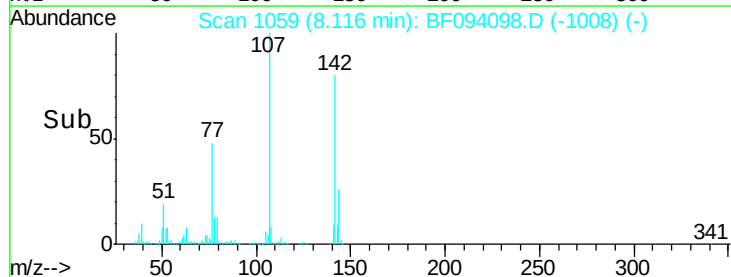
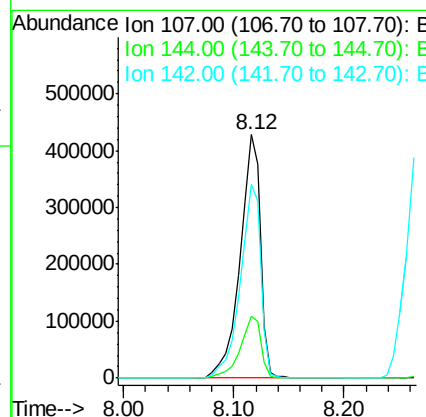
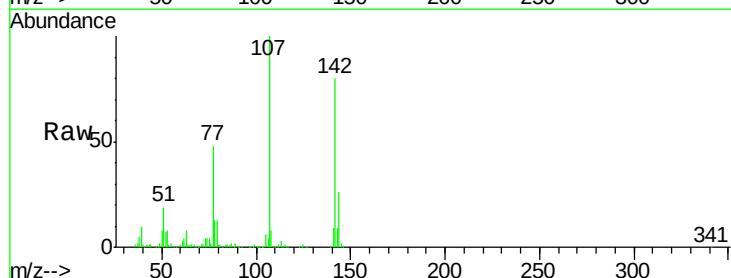
Manual Integrations
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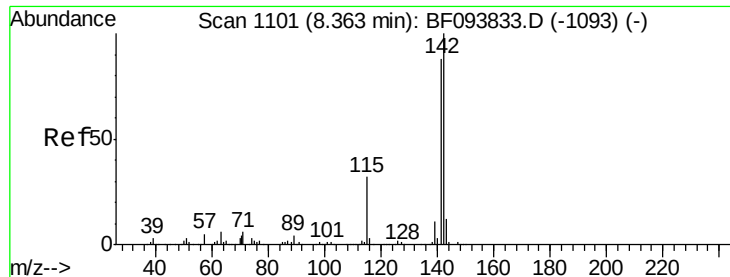
mohammad
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#36
4-Chloro-3-methylphenol
Concen: 53.98 ng/ml
RT: 8.12 min Scan# 1059
Delta R.T. -0.00 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		555022		
144	25.6	24.2	36.4		
142	79.5	73.4	110.0		





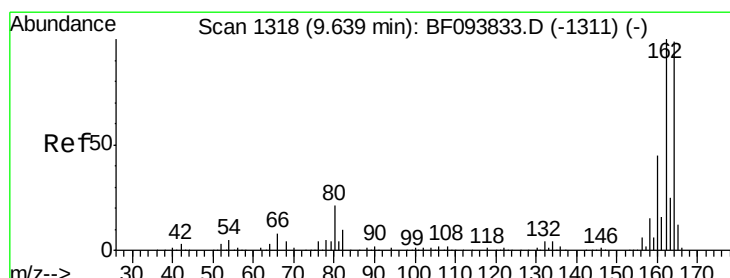
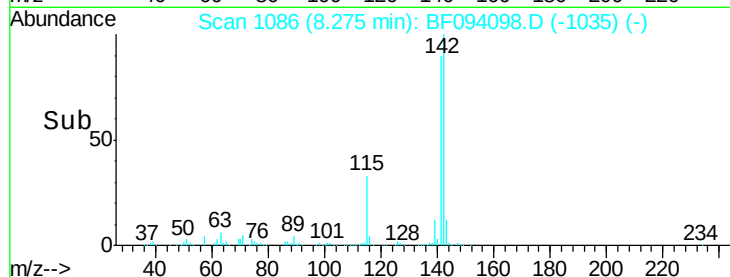
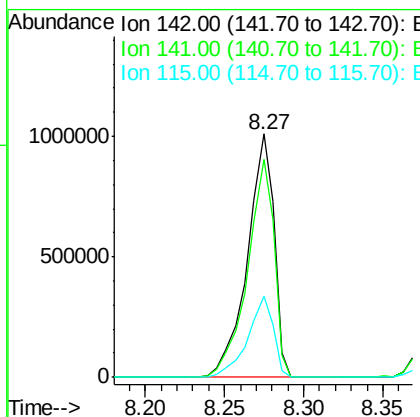
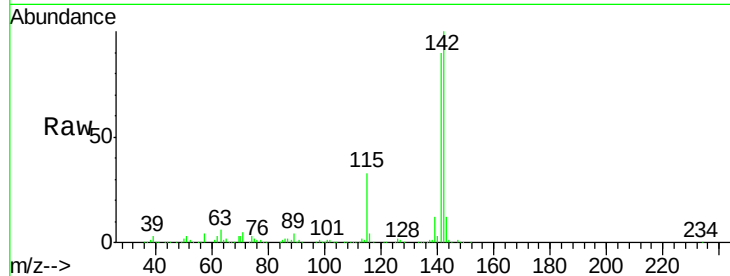
#37
2-Methylnaphthalene
Concen: 49.63 ng
RT: 8.27 min Scan# 1086
Delta R.T. -0.00 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Instrument :
BNA_F
ClientSampleId :
B-42-S2(2.0-2.5)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.3	106.9
115	33.1	27.1	40.7

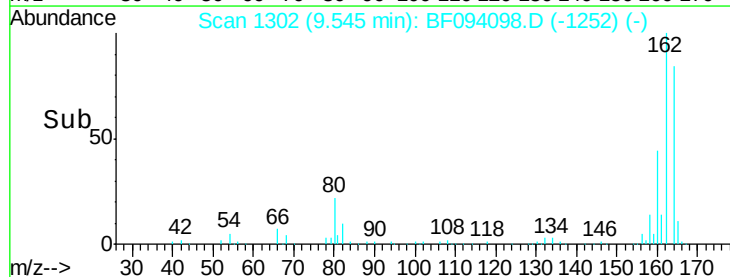
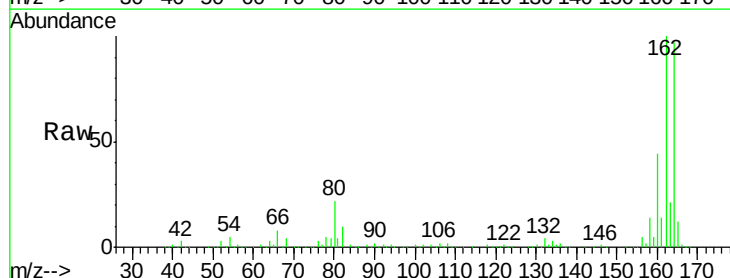
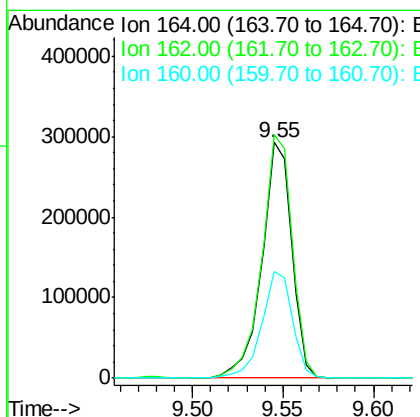
Manual Integrations
APPROVED

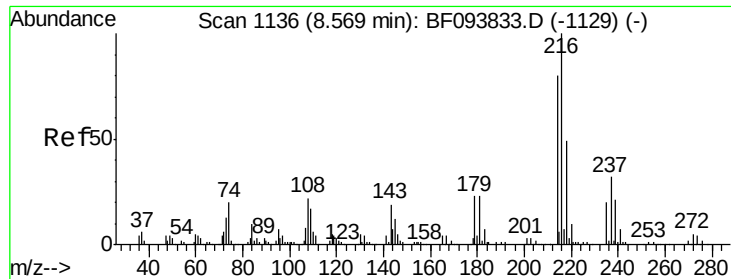
mohammad
4/3/2017 3:25:43 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.55 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.6	123.8
160	45.3	36.2	54.2





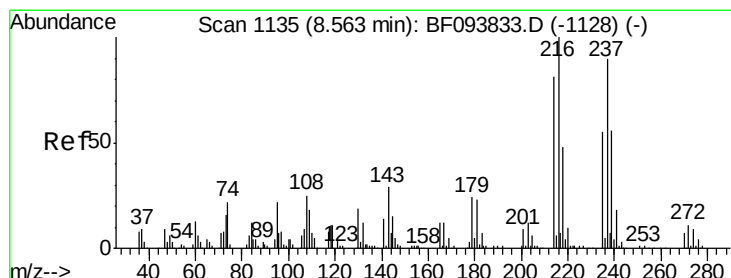
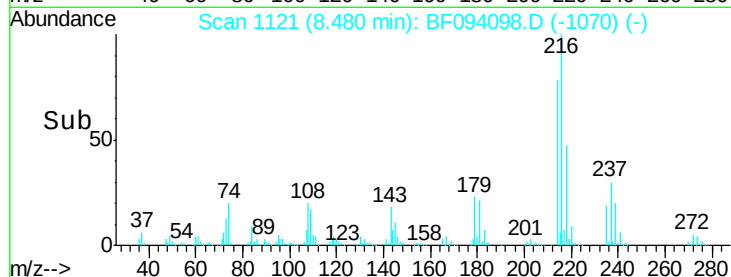
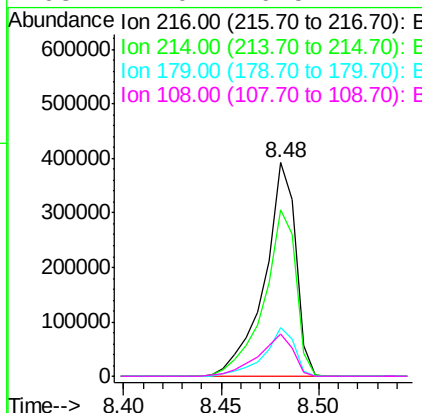
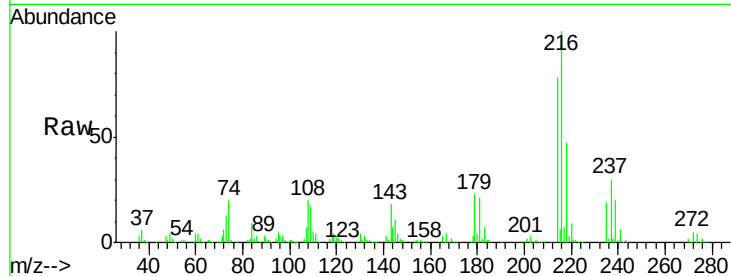
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 47.46 ng
 RT: 8.48 min Scan# 1121
 Delta R.T. -0.00 min
 Lab File: BF094098.D
 Acq: 31 Mar 2017 16:11

Instrument :
 BNA_F
 ClientSampleId :
 B-42-S2(2.0-2.5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		434945		
214	79.2	63.4	95.2		
179	22.2	17.9	26.9		
108	22.0	16.5	24.7		

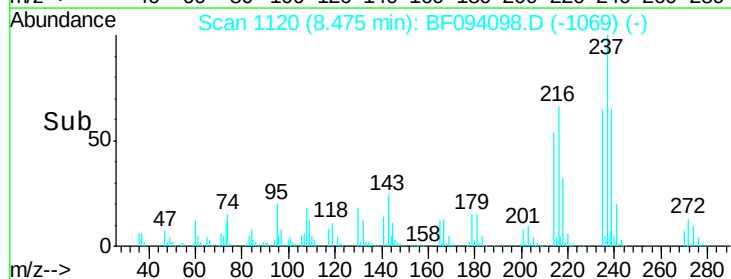
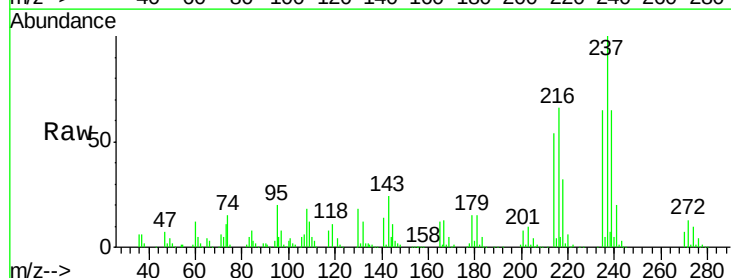
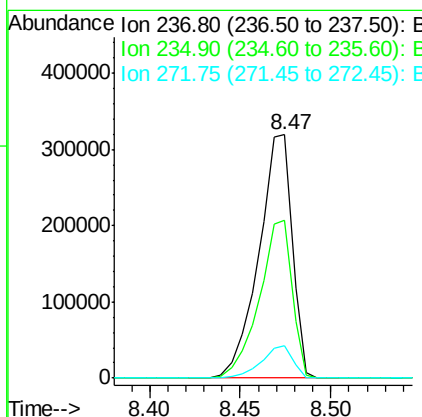
Manual Integrations
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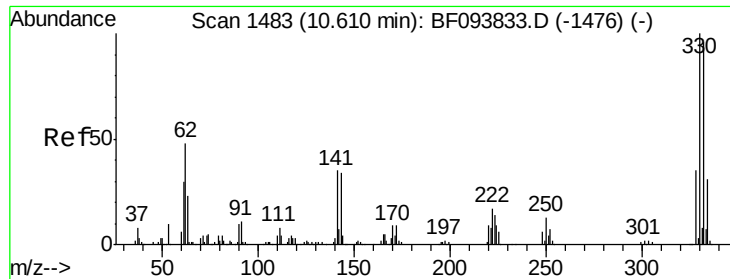
mohammad
 4/3/2017 3:25:43 PM



#40
 Hexachlorocyclopentadiene
 Concen: 95.38 ng
 RT: 8.47 min Scan# 1120
 Delta R.T. -0.00 min
 Lab File: BF094098.D
 Acq: 31 Mar 2017 16:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		409016		
235	64.6	42.6	82.6		
272	13.3	0.0	31.9		





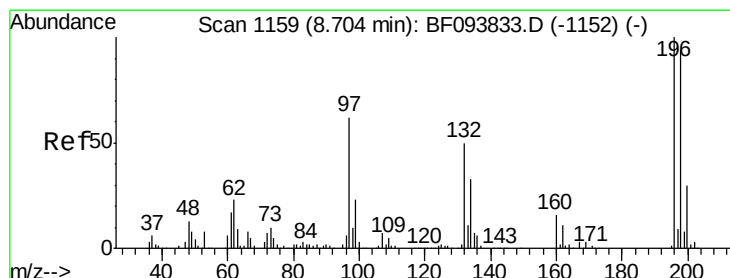
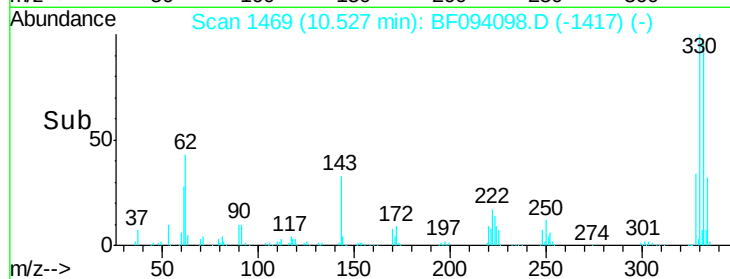
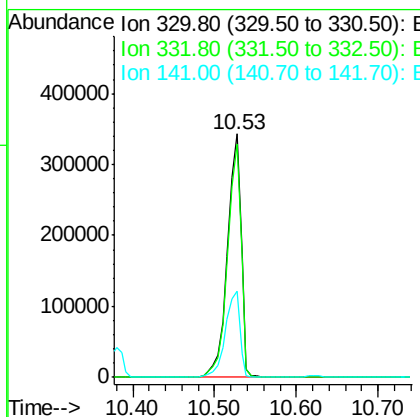
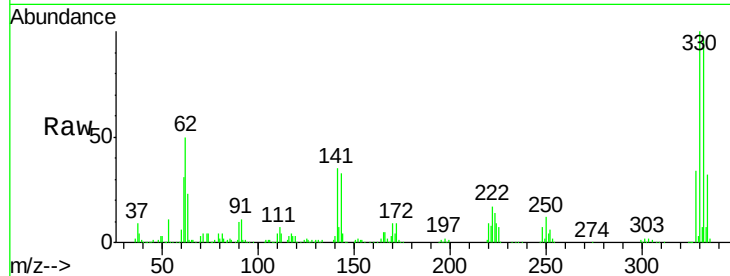
#41
 2,4,6-Tribromophenol
 Concen: 150.53 ng
 RT: 10.53 min Scan# 1469
 Delta R.T. 0.01 min
 Lab File: BF094098.D
 Acq: 31 Mar 2017 16:11

Instrument :
 BNA_F
 ClientSampleId :
 B-42-S2(2.0-2.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	398492		
332	95.4	76.6	115.0	
141	37.5	31.4	47.2	

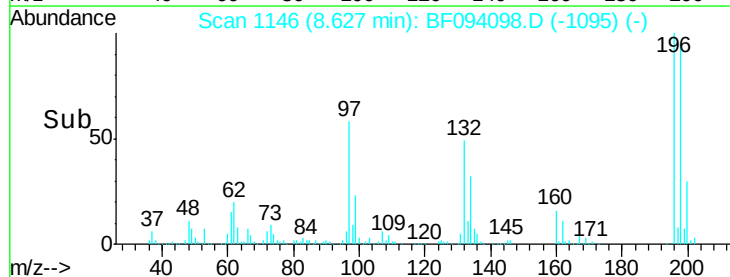
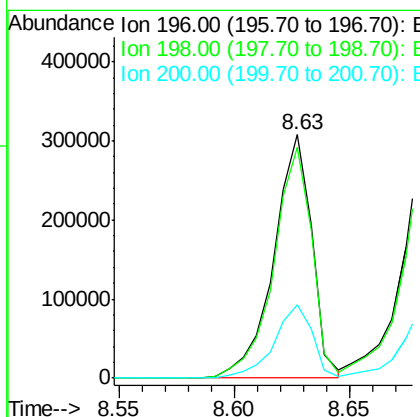
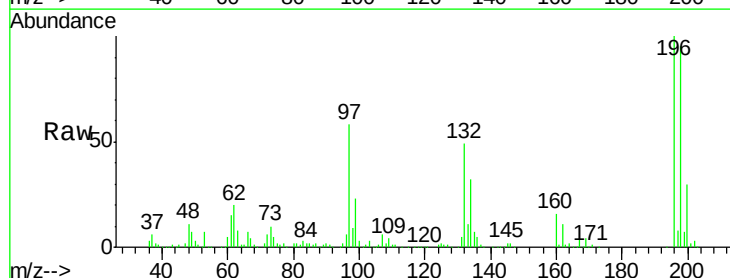
Manual Integrations
 APPROVED

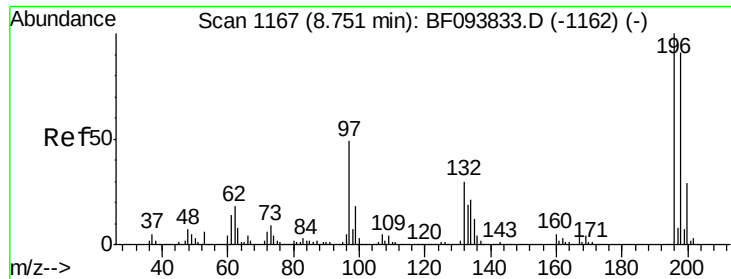
mohammad
 4/3/2017 3:25:43 PM



#42
 2,4,6-Trichlorophenol
 Concen: 54.16 ng
 RT: 8.63 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: BF094098.D
 Acq: 31 Mar 2017 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	351153		
198	94.9	74.2	111.4	
200	30.1	24.0	36.0	





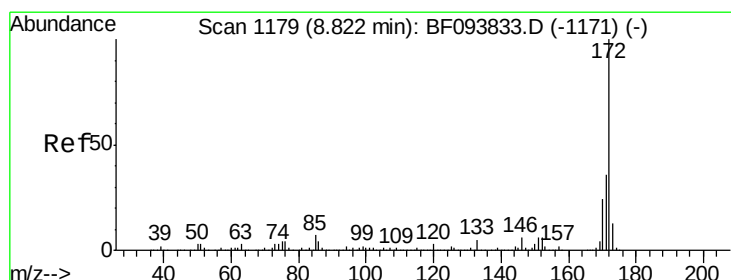
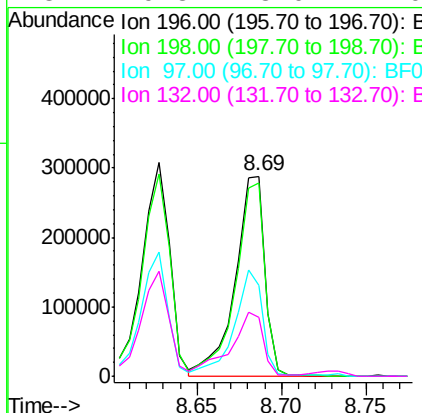
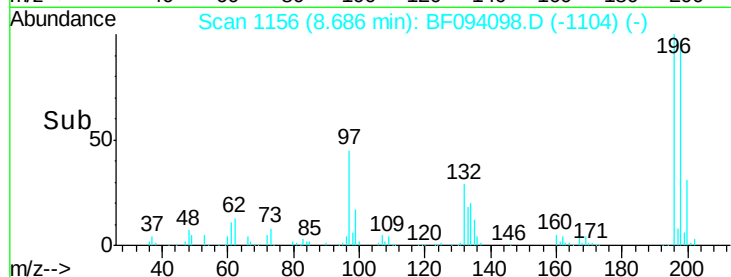
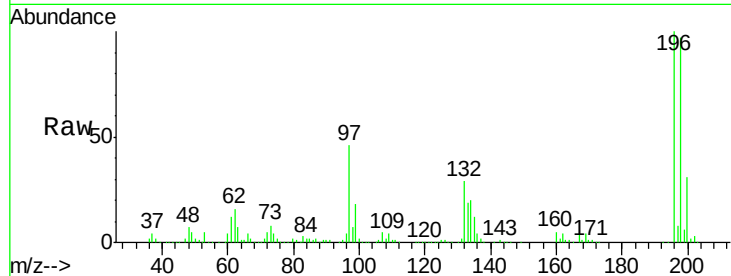
#43
 2,4,5-Trichlorophenol
 Concen: 50.54 ng
 RT: 8.69 min Scan# 1156
 Delta R.T. 0.01 min
 Lab File: BF094098.D
 Acq: 31 Mar 2017 16:11

Instrument :
 BNA_F
 ClientSampleId :
 B-42-S2(2.0-2.5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		354597		
198	96.7	75.7	113.5		
97	45.5	47.7	71.5		
132	29.3	28.0	42.0		

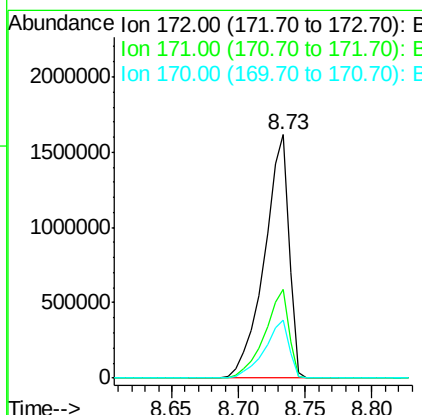
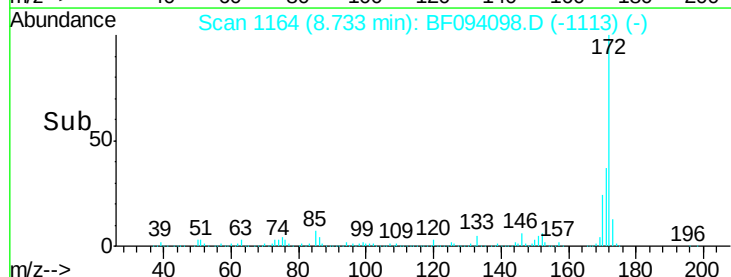
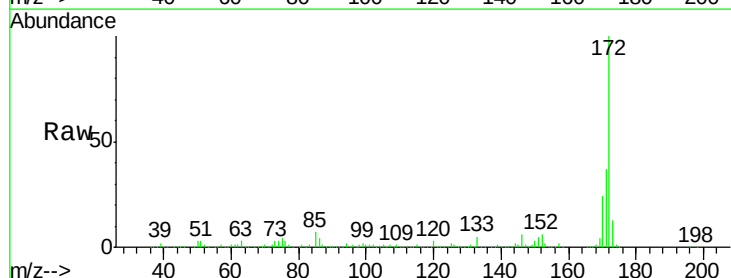
Manual Integrations
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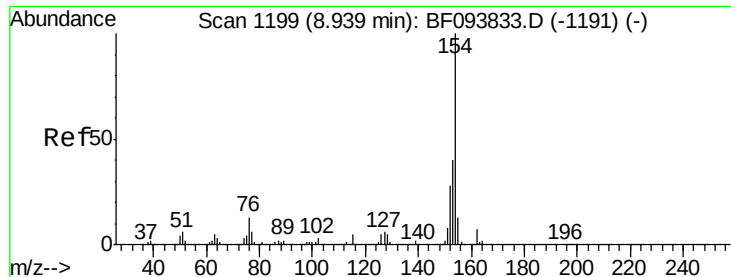
mohammad
 4/3/2017 3:25:43 PM



#44
 2-Fluorobiphenyl
 Concen: 94.03 ng
 RT: 8.73 min Scan# 1164
 Delta R.T. -0.00 min
 Lab File: BF094098.D
 Acq: 31 Mar 2017 16:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		2065242		
171	36.7	29.6	44.4		
170	23.9	19.8	29.8		





#45

1,1'-Biphenyl

Concen: 47.62 ng

RT: 8.85 min Scan# 1184

Delta R.T. -0.00 min

Lab File: BF094098.D

Acq: 31 Mar 2017 16:11

Instrument :

BNA_F

ClientSampleId :

B-42-S2(2.0-2.5)MSD

Tot Ion:154 Resp: 1286741

Ion Ratio Lower Upper

154 100

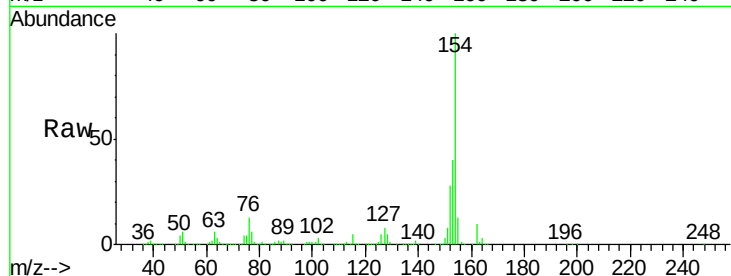
153 40.3 21.2 61.2

76 13.0 0.0 29.9

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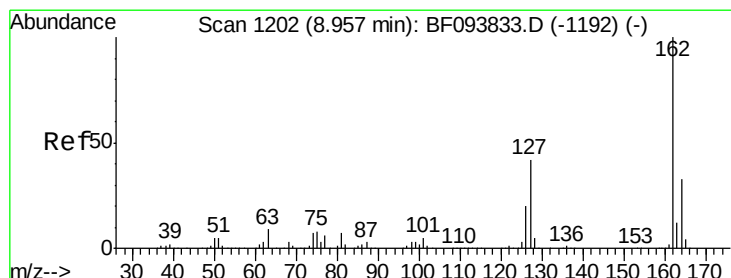
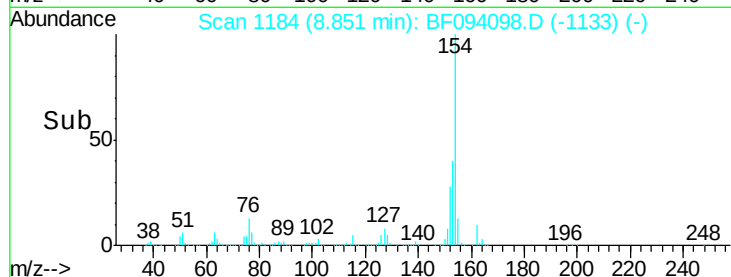
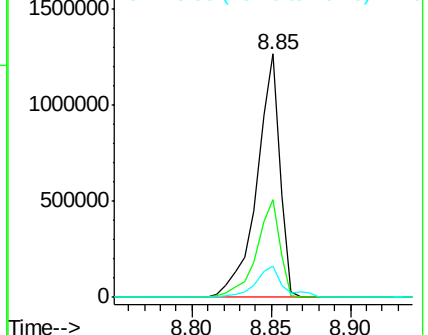
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 49.03 ng

RT: 8.87 min Scan# 1187

Delta R.T. -0.00 min

Lab File: BF094098.D

Acq: 31 Mar 2017 16:11

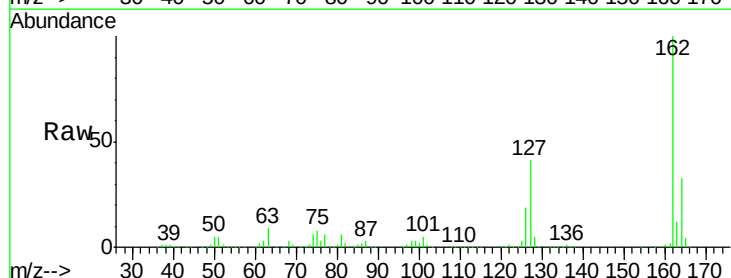
Tgt Ion:162 Resp: 1036955

Ion Ratio Lower Upper

162 100

127 40.8 28.3 42.5

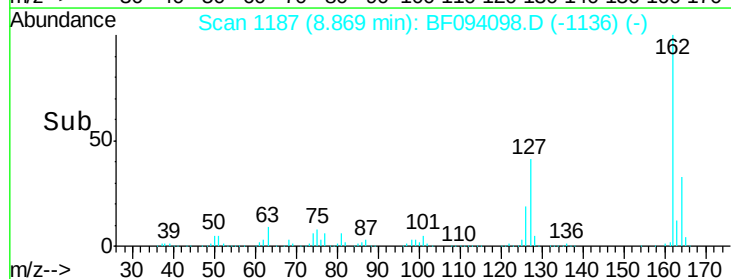
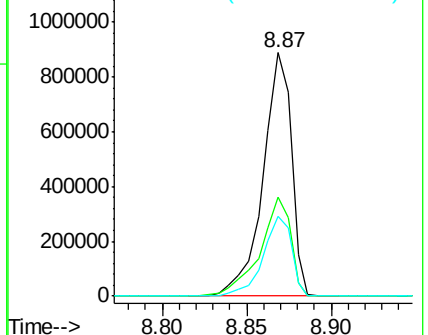
164 32.8 27.0 40.4

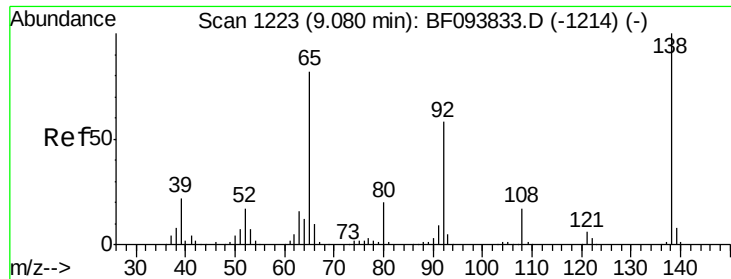


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





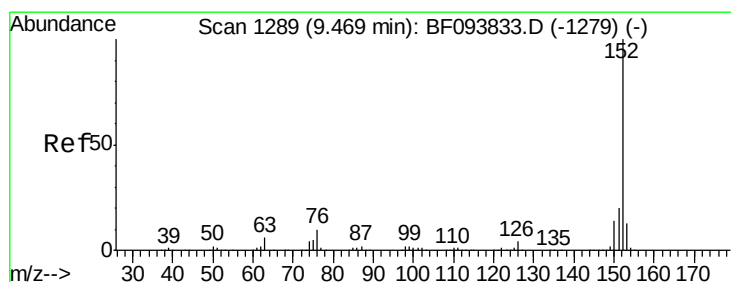
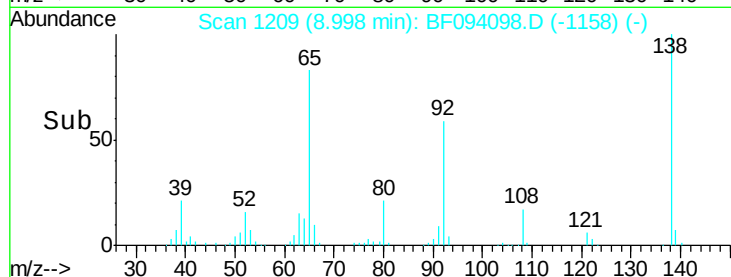
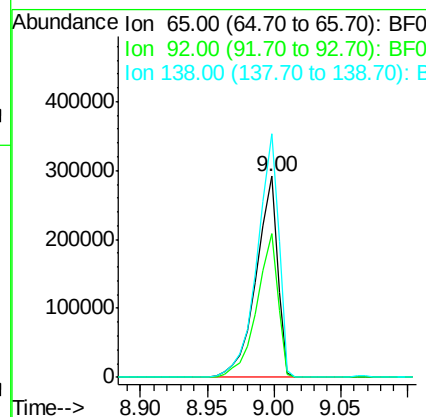
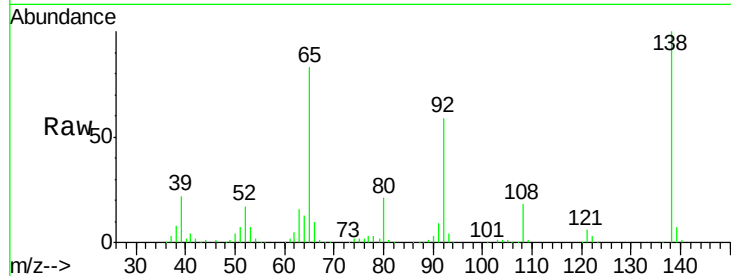
#47
2-Nitroaniline
Concen: 51.24 ng
RT: 9.00 min Scan# 1209
Delta R.T. -0.00 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Instrument :
BNA_F
ClientSampleId :
B-42-S2(2.0-2.5)MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	71.3	53.9	80.9
138	121.0	78.8	118.2

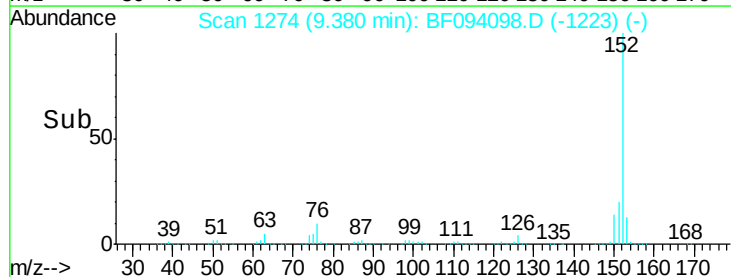
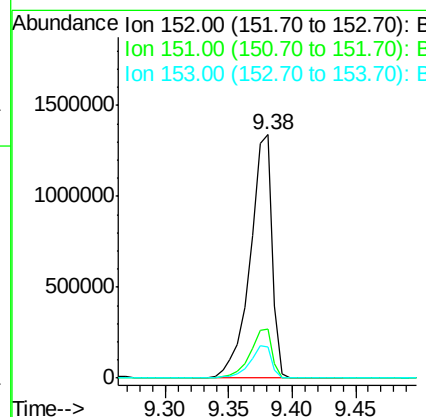
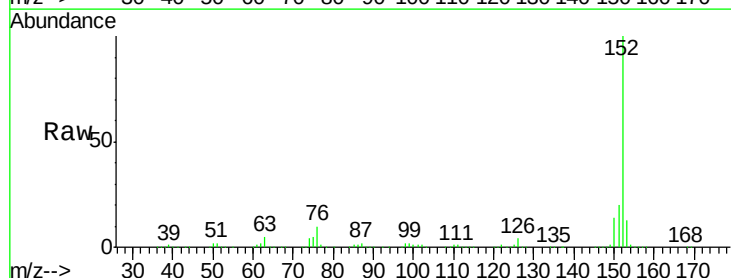
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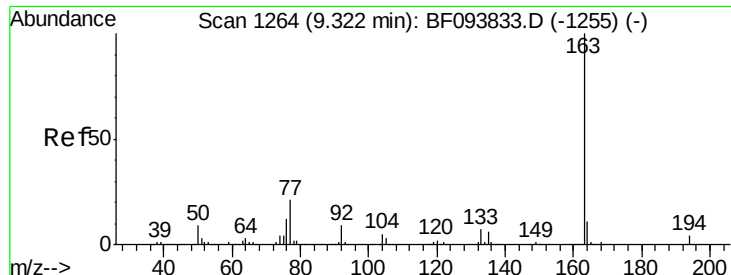
mohammad
4/3/2017 3:25:43 PM



#48
Acenaphthylene
Concen: 45.90 ng
RT: 9.38 min Scan# 1274
Delta R.T. -0.00 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.8	25.2
153	13.0	10.8	16.2





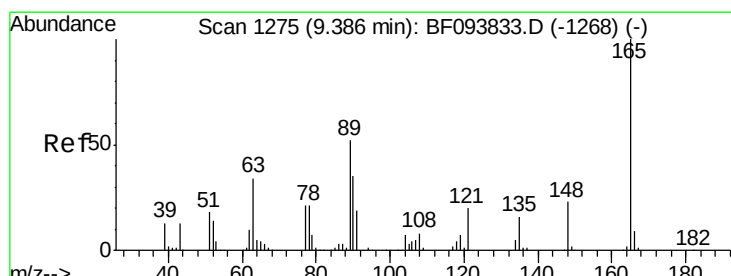
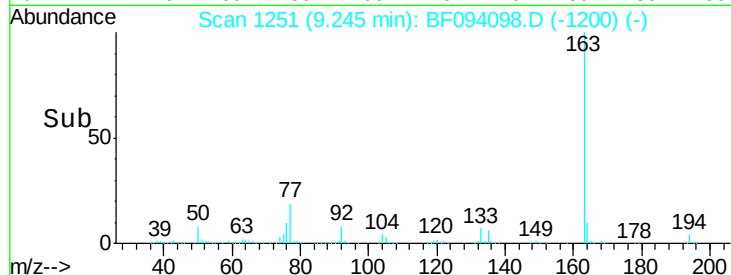
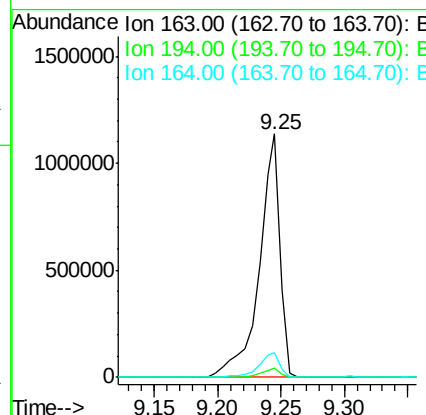
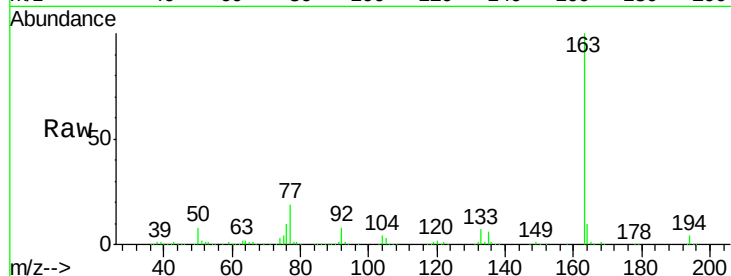
#49
Dimethylphthalate
Concen: 54.57 ng
RT: 9.25 min Scan# 1251
Delta R.T. -0.00 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Instrument :
BNA_F
ClientSampleId :
B-42-S2(2.0-2.5)MSD

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.6	4.0
164	10.1	8.4	12.6

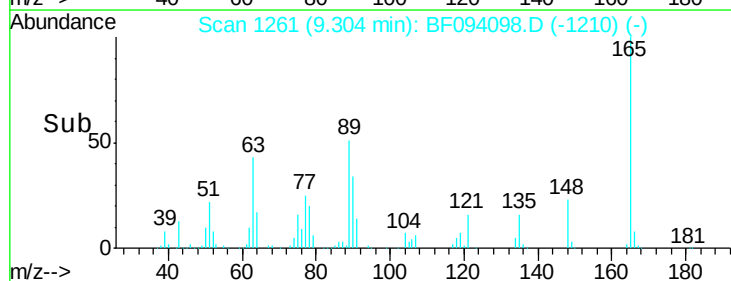
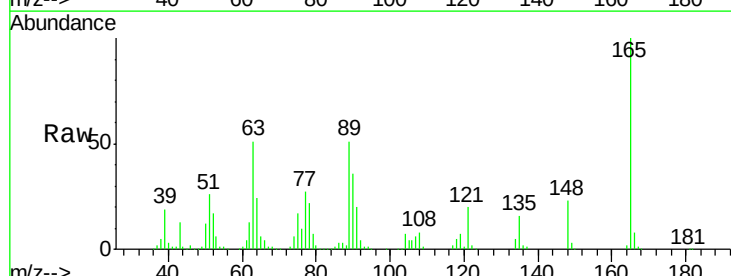
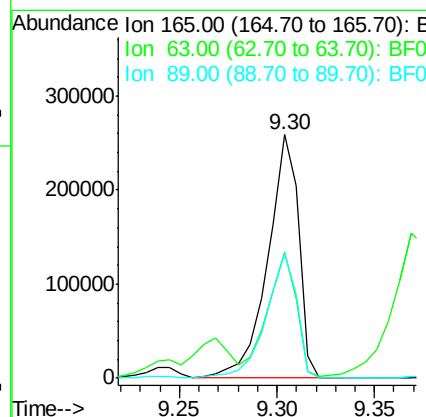
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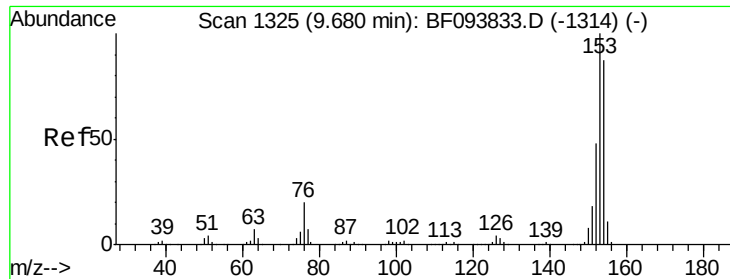
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#50
2,6-Dinitrotoluene
Concen: 51.86 ng
RT: 9.30 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	51.4	34.3	51.5
89	51.4	37.1	55.7





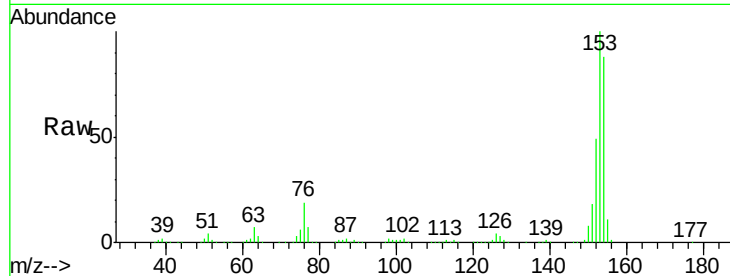
#51
Acenaphthene
Concen: 46.81 ng
RT: 9.59 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Instrument :
BNA_F
ClientSampleId :
B-42-S2(2.0-2.5)MSD

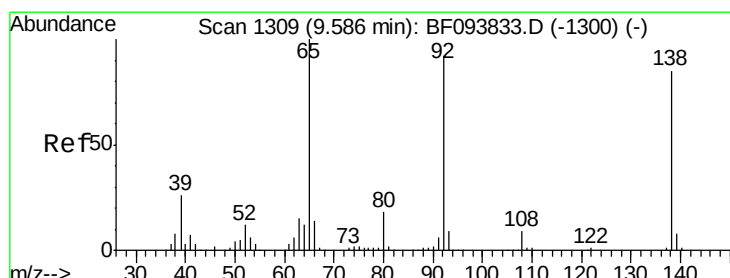
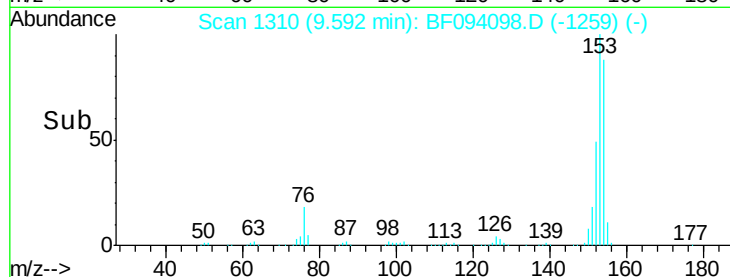
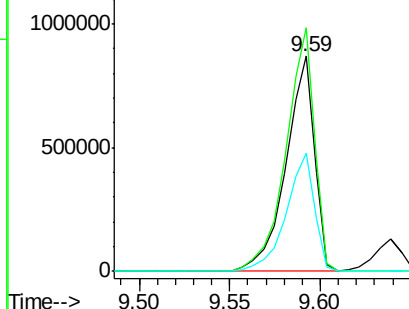
Tot Ion	Ratio	Lower	Upper
154	100		
153	113.3	90.5	135.7
152	55.0	43.6	65.4

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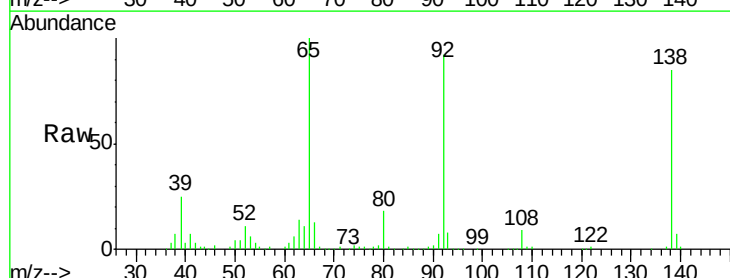


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

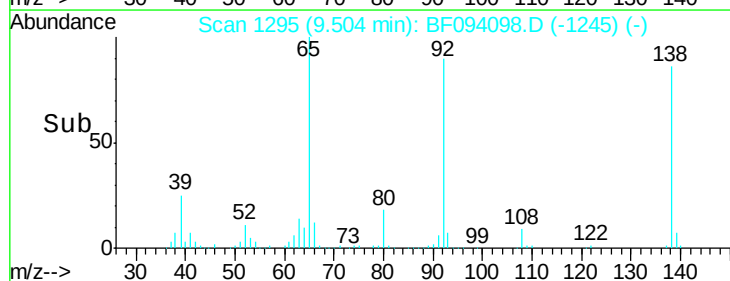
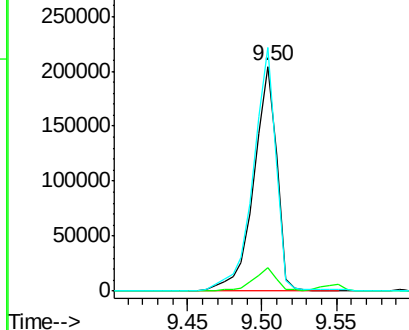


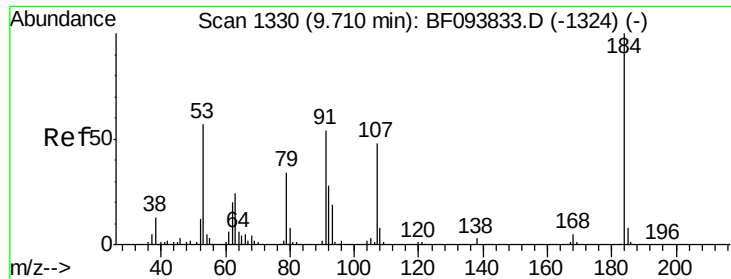
#52
3-Nitroaniline
Concen: 33.73 ng
RT: 9.50 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.3	9.1	13.7
92	108.5	93.8	140.6



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





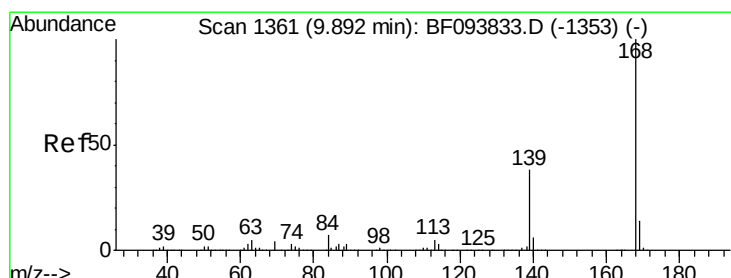
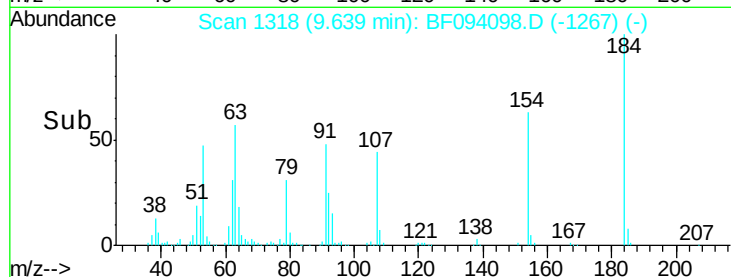
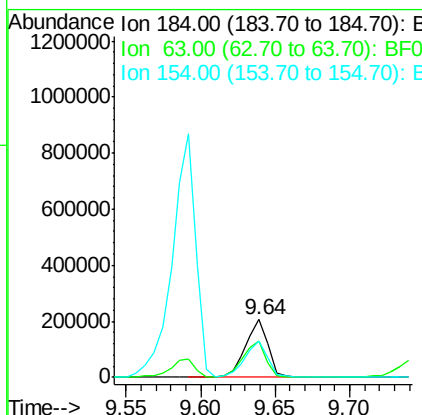
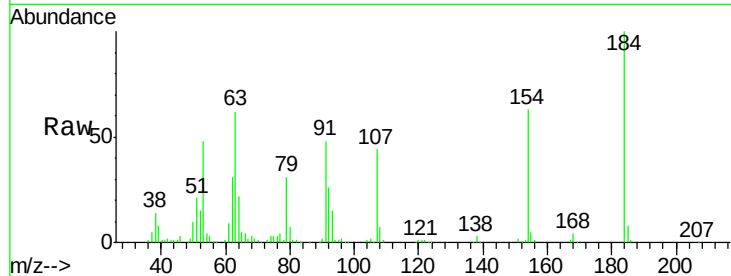
#53
2,4-Dinitrophenol
Concen: 75.29 ng
RT: 9.64 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Instrument :
BNA_F
ClientSampleId :
B-42-S2(2.0-2.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100	219074		
63	62.4	62.7	94.1#	
154	63.2	81.1	121.7#	

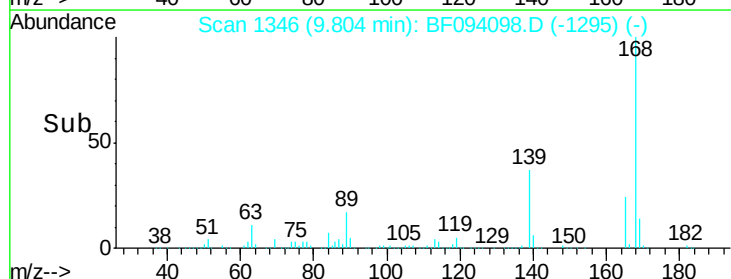
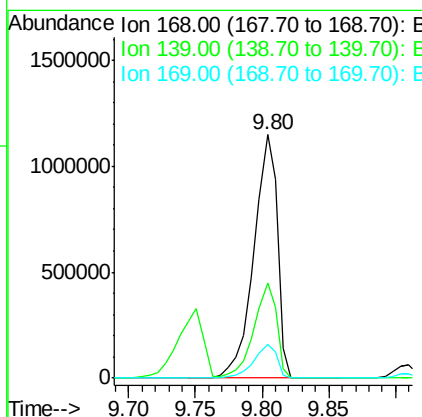
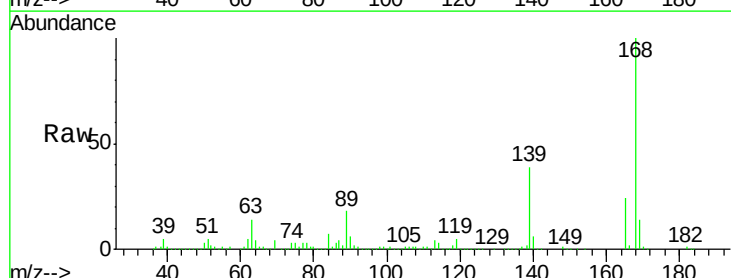
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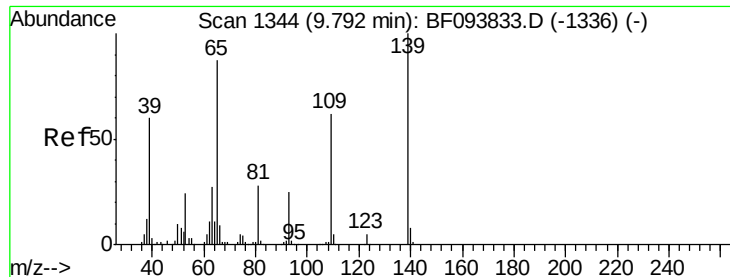
mohammad
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#54
Dibenzofuran
Concen: 49.54 ng
RT: 9.80 min Scan# 1346
Delta R.T. -0.00 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1383158		
139	38.8	30.6	45.8	
169	13.6	10.8	16.2	





#55

4-Nitrophenol

Concen: 86.03 ng

RT: 9.75 min Scan# 1337

Delta R.T. 0.01 min

Lab File: BF094098.D

Acq: 31 Mar 2017 16:11

Instrument :

BNA_F

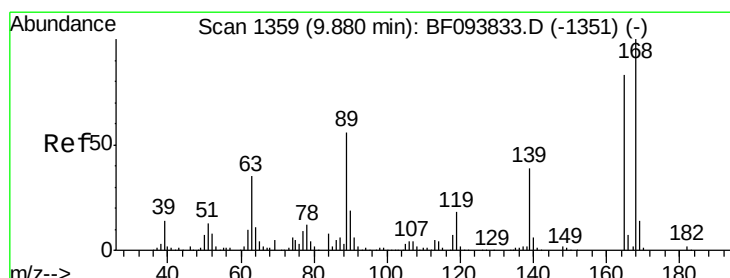
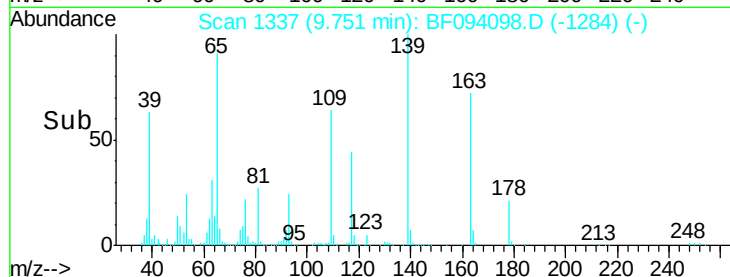
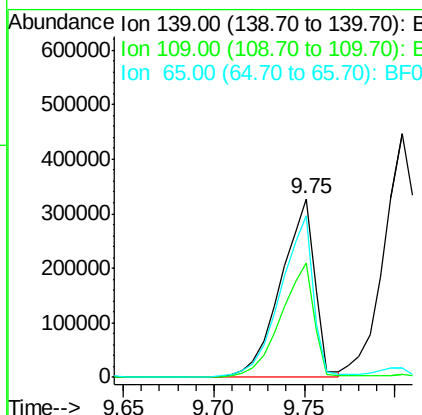
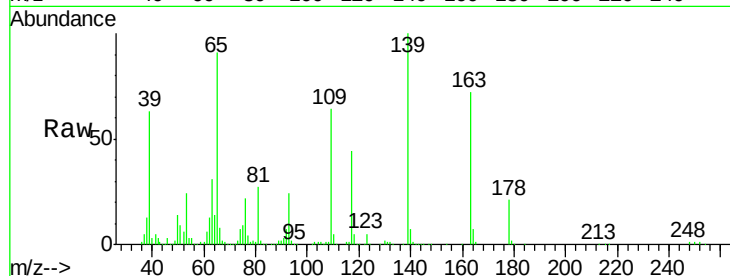
ClientSampleId :

B-42-S2(2.0-2.5)MSD

Tot Ion:	139	Resp:	431848
Ion Ratio	Lower	Upper	
139	100		
109	63.7	34.1	74.1
65	90.6	31.4	71.4#

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#56

2,4-Dinitrotoluene

Concen: 48.76 ng

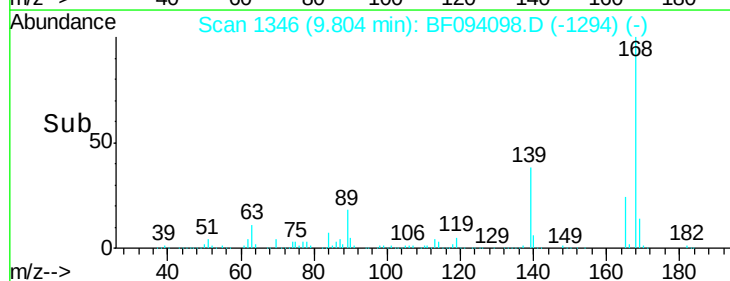
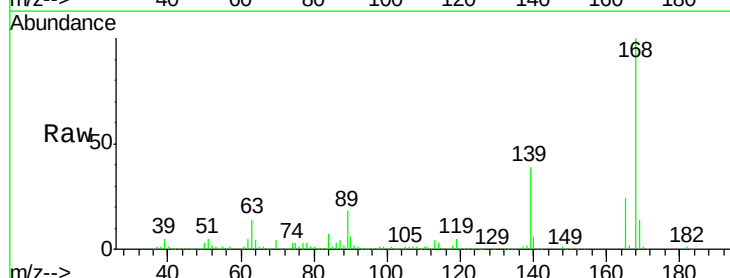
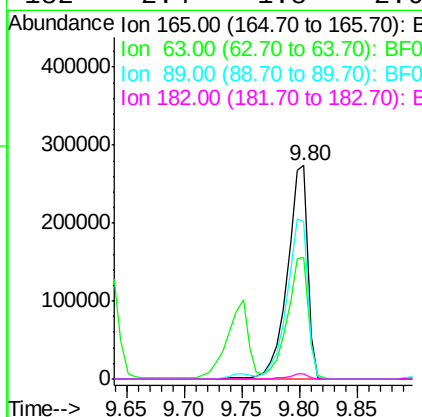
RT: 9.80 min Scan# 1346

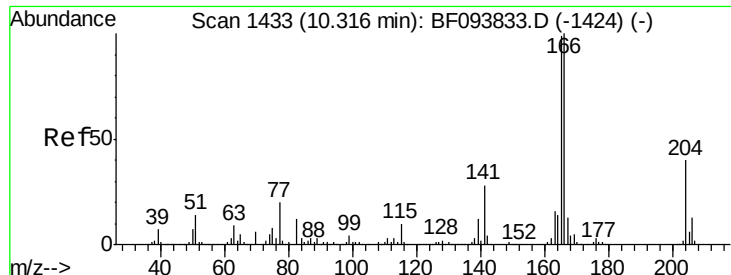
Delta R.T. 0.01 min

Lab File: BF094098.D

Acq: 31 Mar 2017 16:11

Tgt Ion:	165	Resp:	334351
Ion Ratio	Lower	Upper	
165	100		
63	56.7	25.4	38.0#
89	73.9	46.4	69.6#
182	2.4	1.8	2.6





#57

Fluorene

Concen: 44.48 ng

RT: 10.23 min Scan# 1418

Delta R.T. -0.00 min

Lab File: BF094098.D

Acq: 31 Mar 2017 16:11

Instrument :

BNA_F

ClientSampleId :

B-42-S2(2.0-2.5)MSD

Tot Ion:166 Resp: 1029863

Ion Ratio Lower Upper

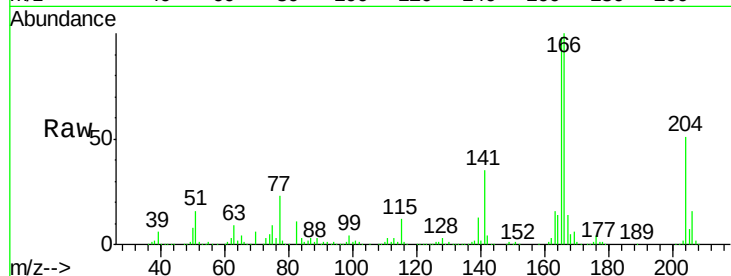
166 100

165 97.7 78.8 118.2

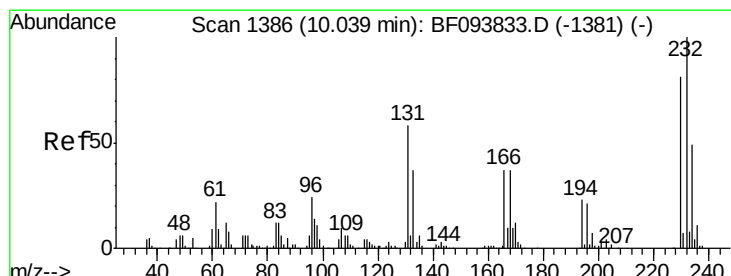
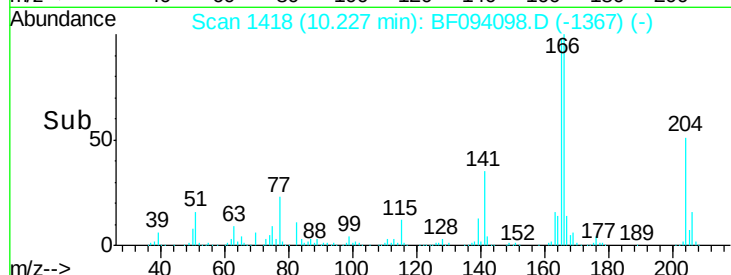
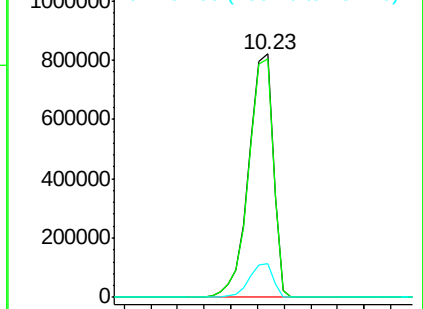
167 13.7 10.6 16.0

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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: 53.75 ng

RT: 9.96 min Scan# 1373

Delta R.T. -0.00 min

Lab File: BF094098.D

Acq: 31 Mar 2017 16:11

Tgt Ion:232 Resp: 258759

Ion Ratio Lower Upper

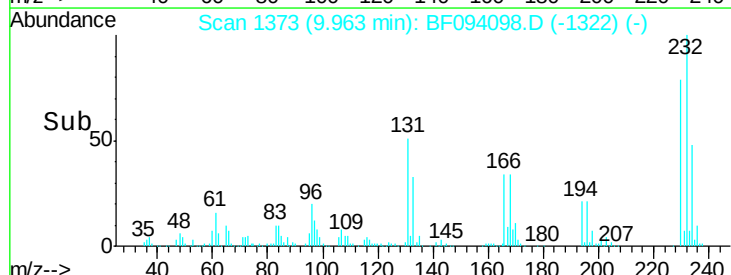
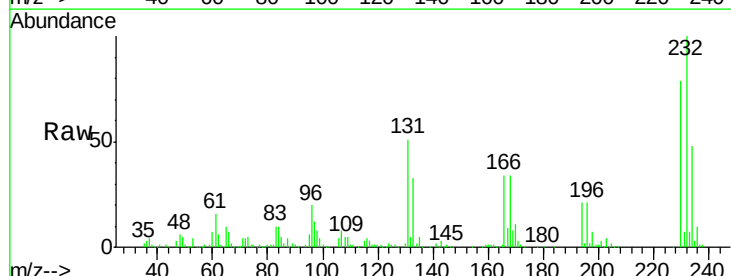
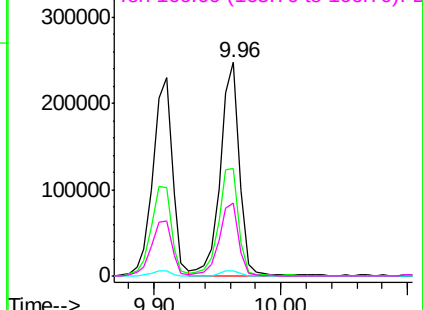
232 100

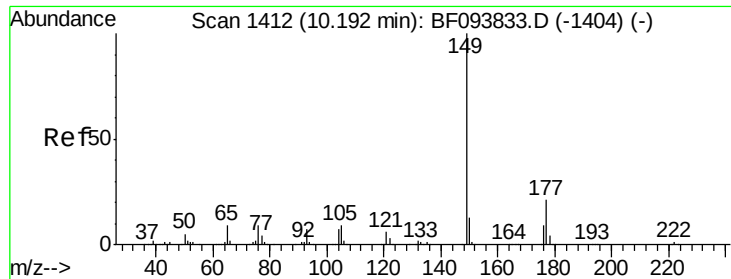
131 52.9 44.8 67.2

130 2.5 2.3 3.5

166 34.7 29.0 43.4

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





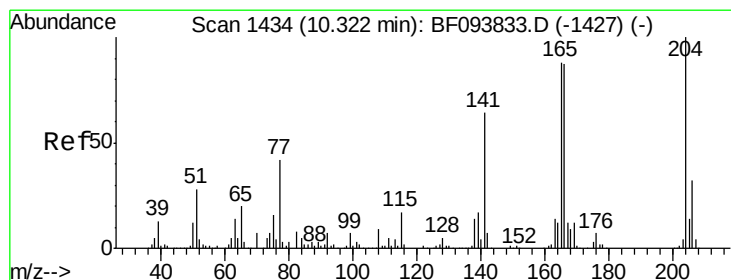
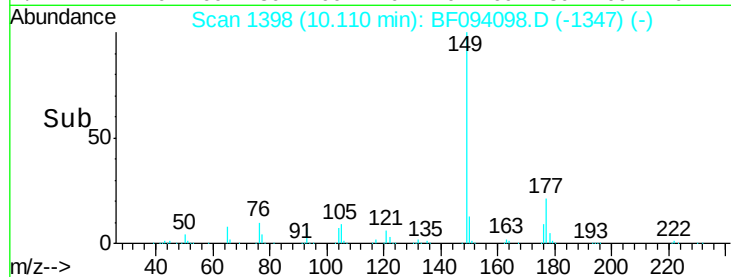
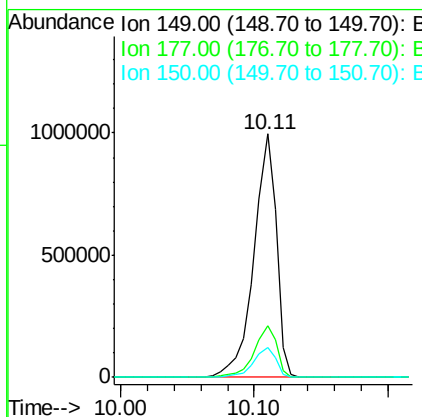
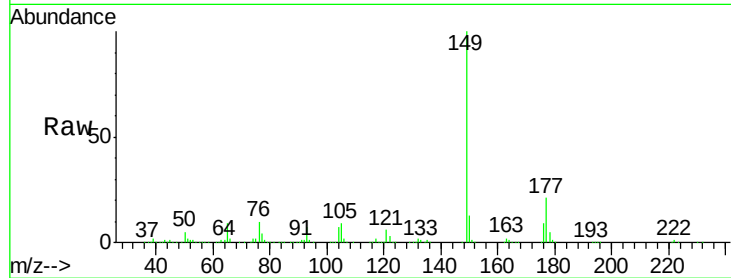
#59
Diethylphthalate
Concen: 48.78 ng
RT: 10.11 min Scan# 1398
Delta R.T. -0.00 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Instrument :
BNA_F
ClientSampleId :
B-42-S2(2.0-2.5)MSD

Tot Ion:149 Resp: 1148107
Ion Ratio Lower Upper
149 100
177 21.2 16.7 25.1
150 12.5 10.2 15.2

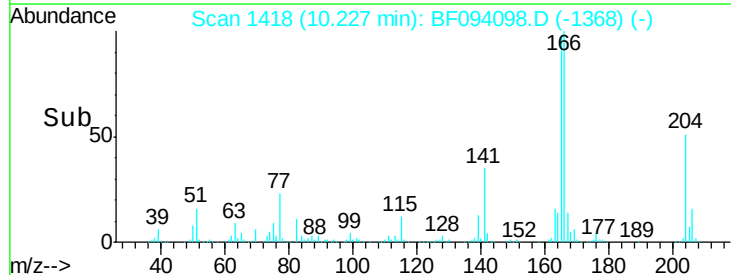
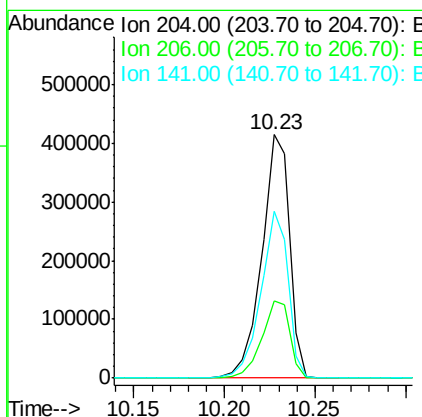
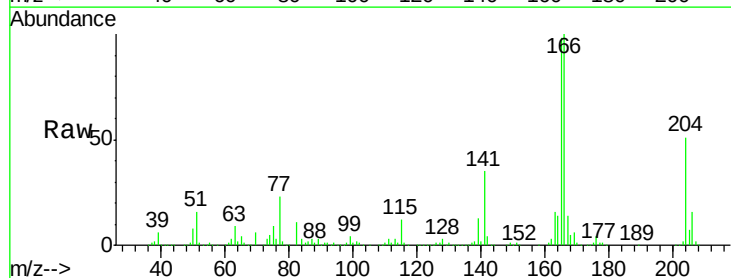
Manual Integrations
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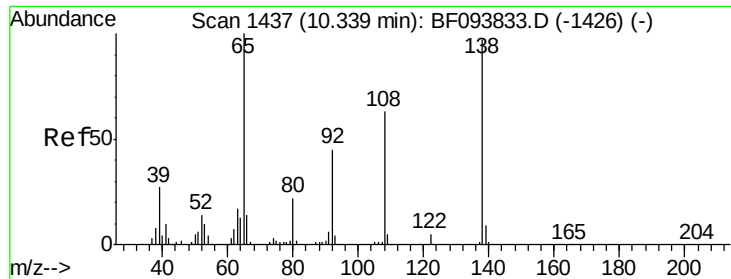
mohammad
4/3/2017 3:25:43 PM



#60
4-Chlorophenyl-phenylether
Concen: 44.67 ng
RT: 10.23 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Tgt Ion:204 Resp: 440651
Ion Ratio Lower Upper
204 100
206 31.7 26.2 39.2
141 68.4 60.8 91.2





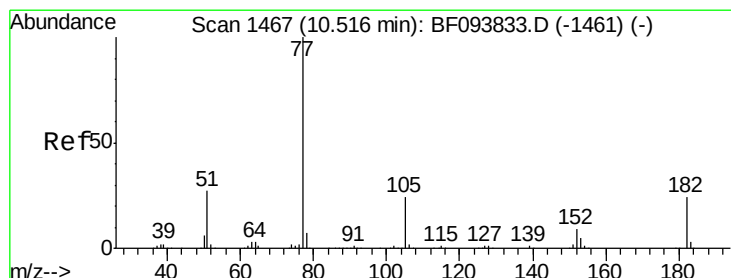
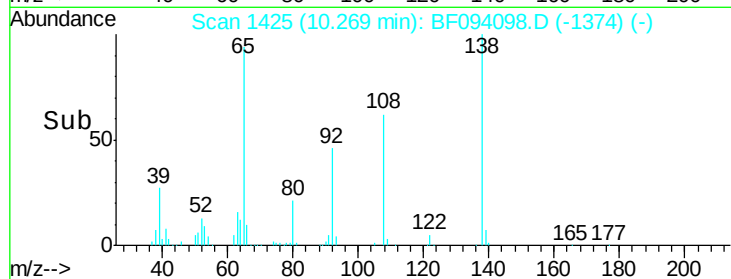
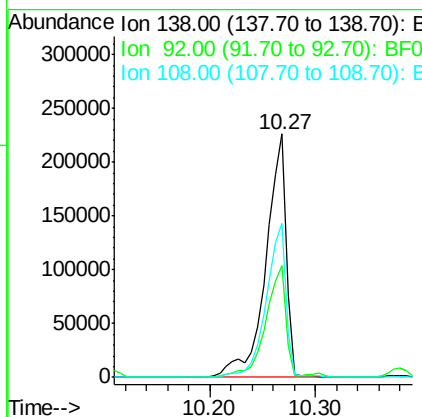
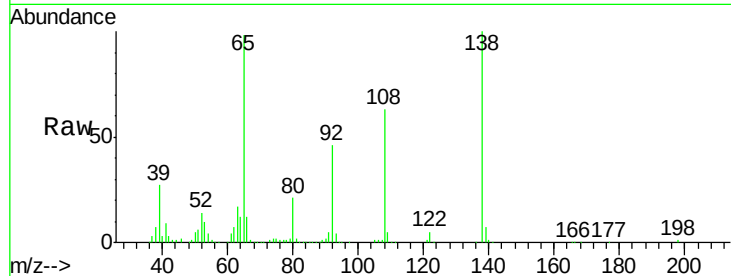
#61
4-Nitroaniline
Concen: 49.31 ng
RT: 10.27 min Scan# 1425
Delta R.T. -0.00 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Instrument :
BNA_F
ClientSampleId :
B-42-S2(2.0-2.5)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	46.2	21.8	61.8
108	63.3	42.3	82.3

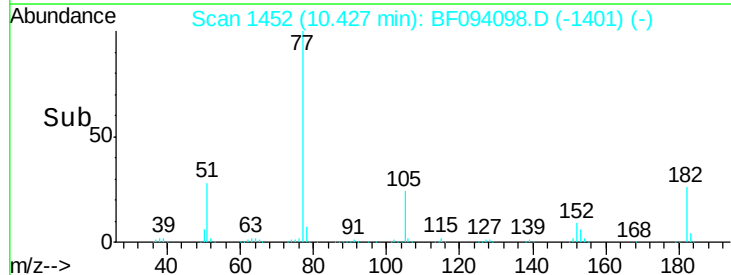
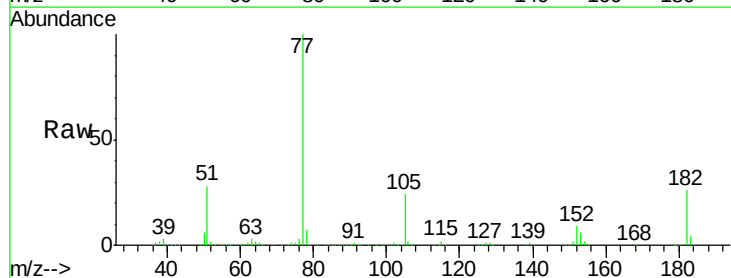
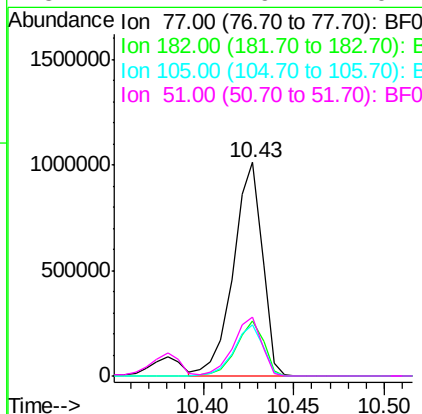
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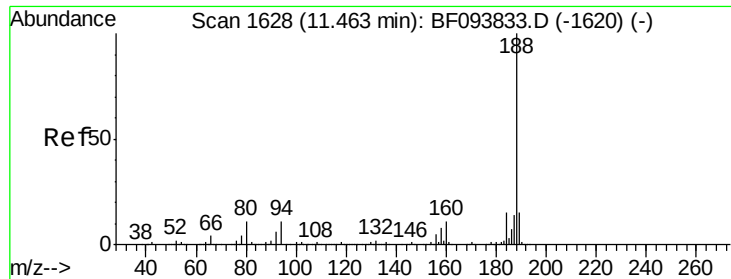
mohammad
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#62
Azobenzene
Concen: 50.38 ng
RT: 10.43 min Scan# 1452
Delta R.T. -0.00 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Tgt Ion	Ratio	Lower	Upper
77	100		
182	25.6	0.1	40.1
105	24.0	3.6	43.6
51	27.7	9.4	49.4





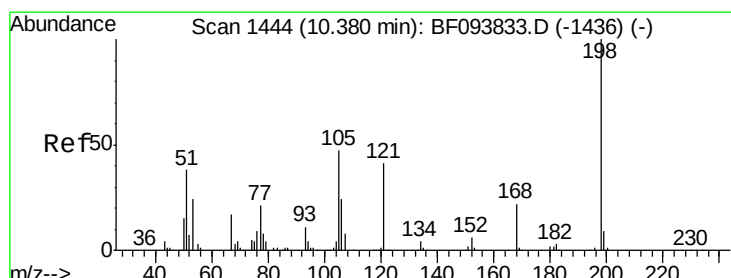
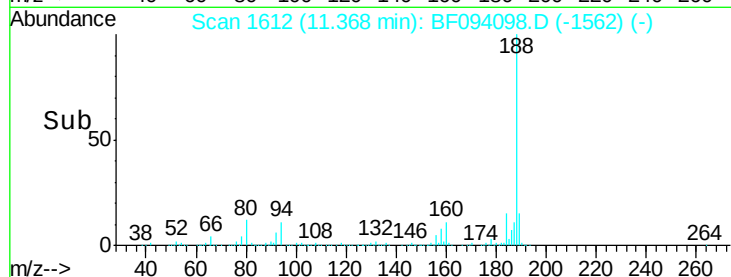
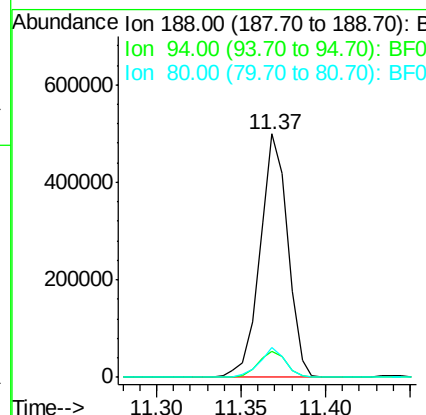
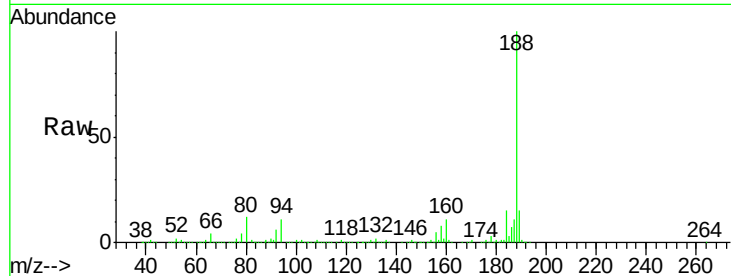
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 1612
Delta R.T. -0.01 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Instrument :
BNA_F
ClientSampleId :
B-42-S2(2.0-2.5)MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.9	9.4	14.2
80	12.1	10.2	15.2

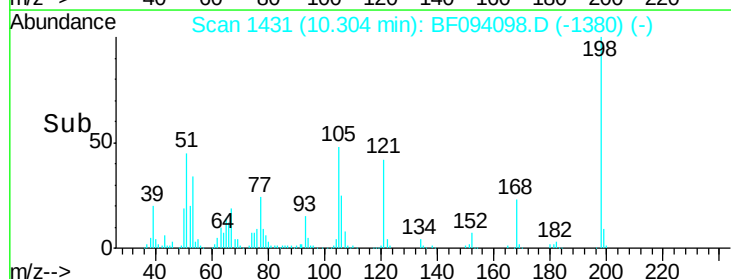
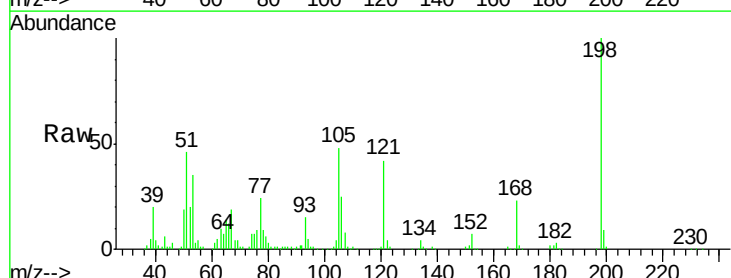
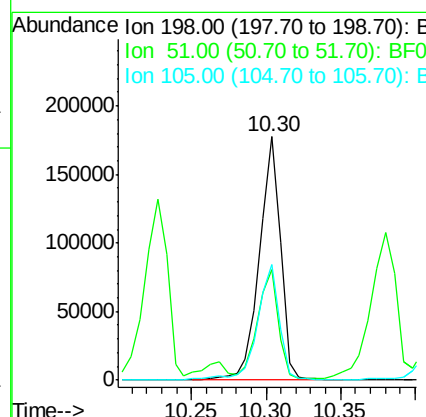
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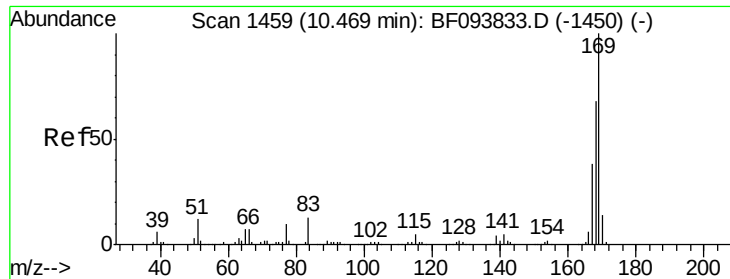
mohammad
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#64
4,6-Dinitro-2-methylphenol
Concen: 49.75 ng
RT: 10.30 min Scan# 1431
Delta R.T. -0.00 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	45.6	53.2	93.2#
105	47.6	45.8	85.8





#65

n-Nitrosodiphenylamine

Concen: 48.75 ng

RT: 10.38 min Scan# 1444

Delta R.T. -0.00 min

Lab File: BF094098.D

Acq: 31 Mar 2017 16:11

Instrument :

BNA_F

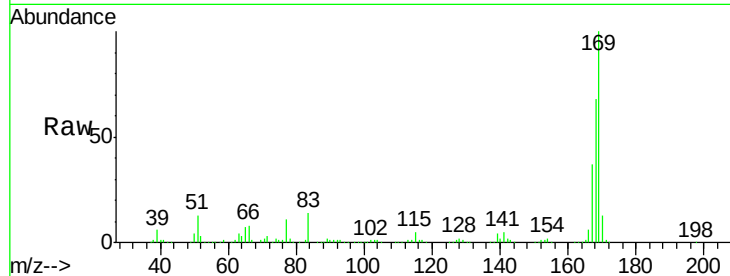
ClientSampleId :

B-42-S2(2.0-2.5)MSD

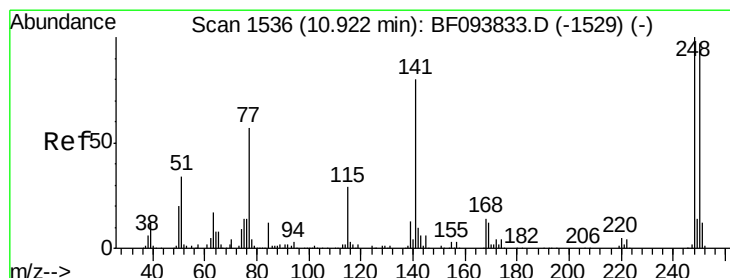
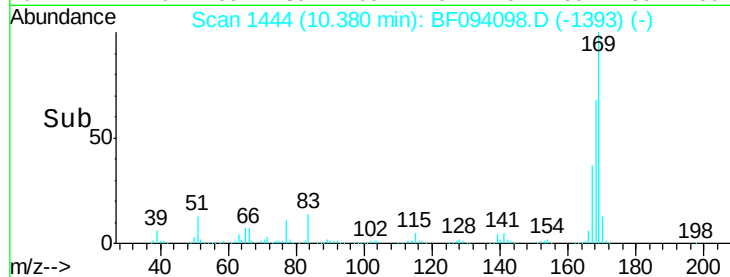
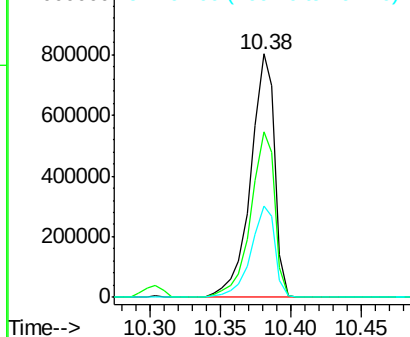
Tot Ion:	169	Resp:	960483
Ion Ratio	Lower	Upper	
169	100		
168	68.2	53.2	79.8
167	37.4	29.5	44.3

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



#66

4-Bromophenyl-phenylether

Concen: 50.72 ng

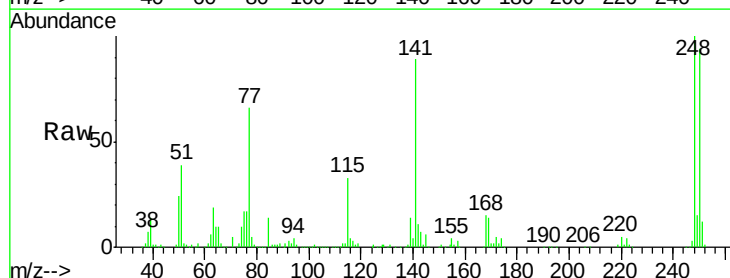
RT: 10.83 min Scan# 1520

Delta R.T. -0.00 min

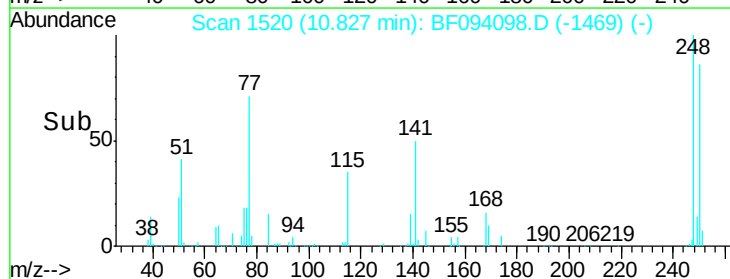
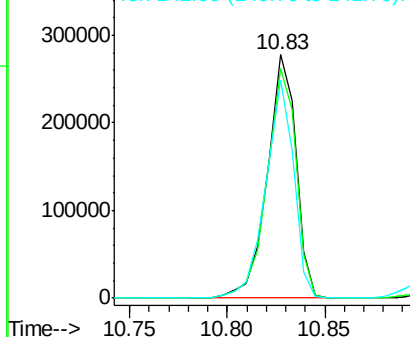
Lab File: BF094098.D

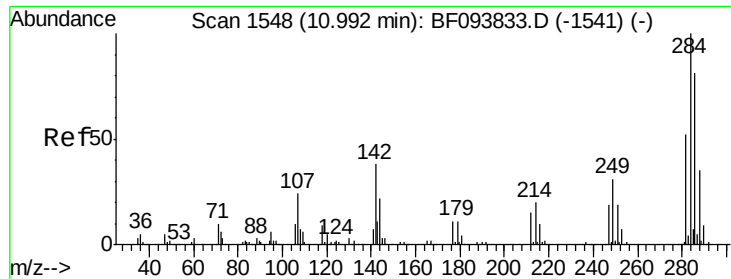
Acq: 31 Mar 2017 16:11

Tgt Ion:	248	Resp:	284203
Ion Ratio	Lower	Upper	
248	100		
250	94.2	76.8	115.2
141	89.3	68.6	103.0



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 50.49 ng

RT: 10.90 min Scan# 1533

Delta R.T. -0.00 min

Lab File: BF094098.D

Acq: 31 Mar 2017 16:11

Instrument :

BNA_F

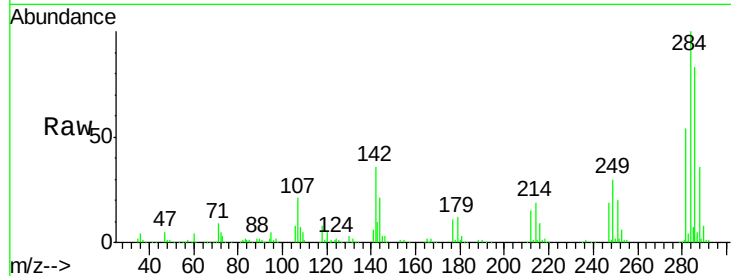
ClientSampleId :

B-42-S2(2.0-2.5)MSD

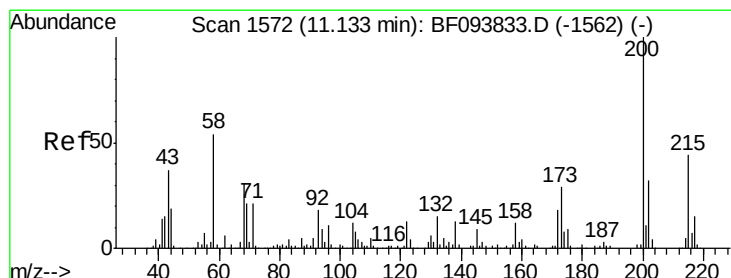
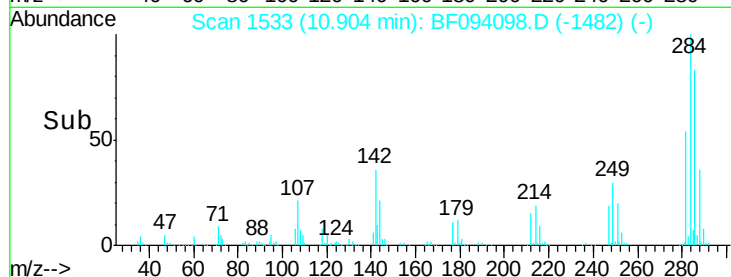
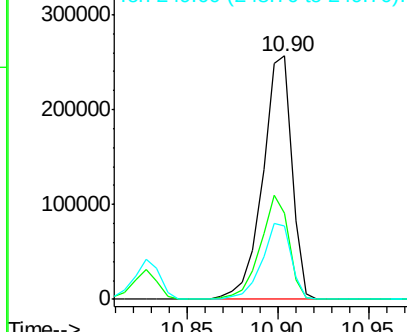
Tot Ion:	284	Resp:	286390
Ion Ratio		Lower	Upper
284	100		
142	35.5	22.8	34.2#
249	30.2	24.0	36.0

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



#68

Atrazine

Concen: 43.84 ng

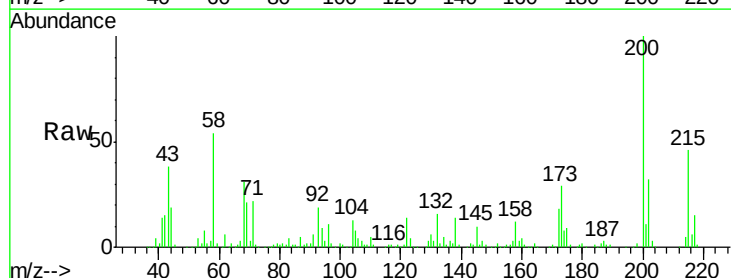
RT: 11.05 min Scan# 1558

Delta R.T. -0.00 min

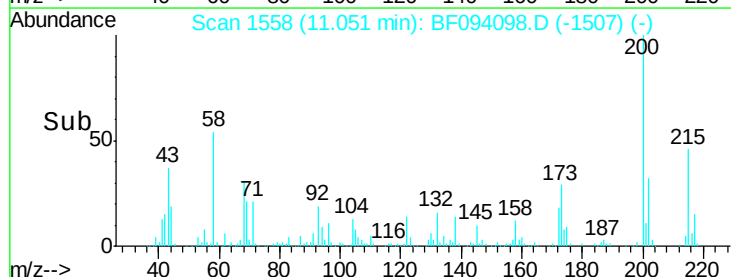
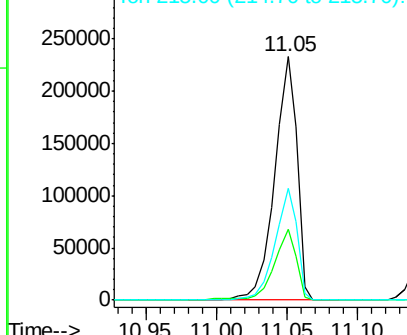
Lab File: BF094098.D

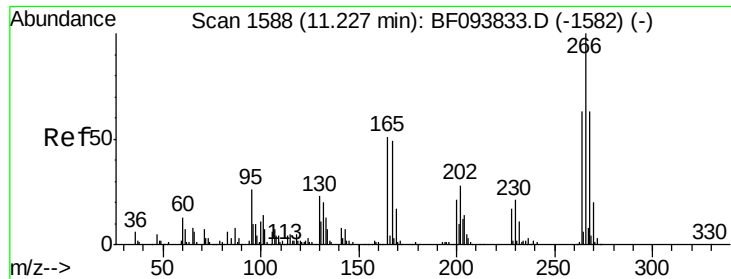
Acq: 31 Mar 2017 16:11

Tgt Ion:	200	Resp:	258678
Ion Ratio		Lower	Upper
200	100		
173	29.2	6.3	46.3
215	46.0	27.2	67.2



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





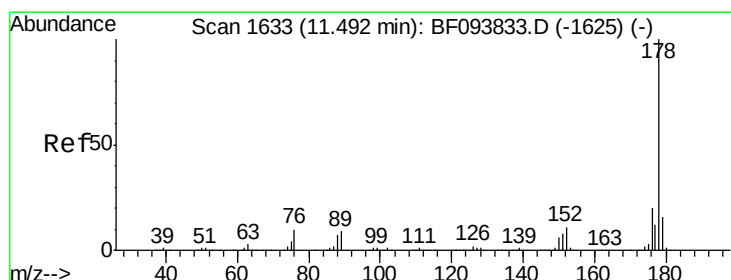
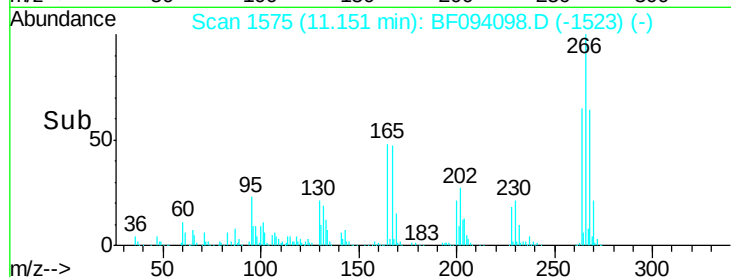
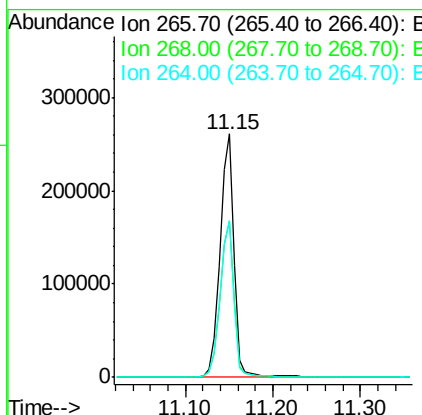
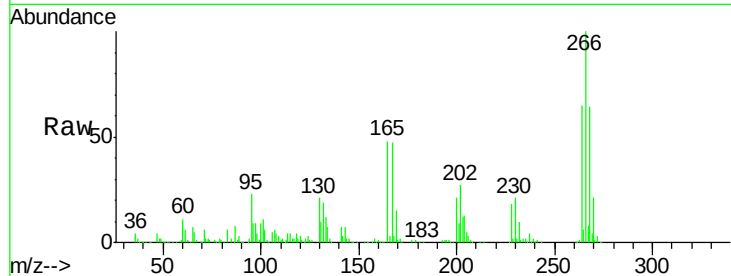
#69
 Pentachlorophenol
 Concen: 82.79 ng
 RT: 11.15 min Scan# 1575
 Delta R.T. 0.01 min
 Lab File: BF094098.D
 Acq: 31 Mar 2017 16:11

Instrument :
 BNA_F
 ClientSampleId :
 B-42-S2(2.0-2.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	292287		
268	64.3	51.1	76.7	
264	64.5	51.7	77.5	

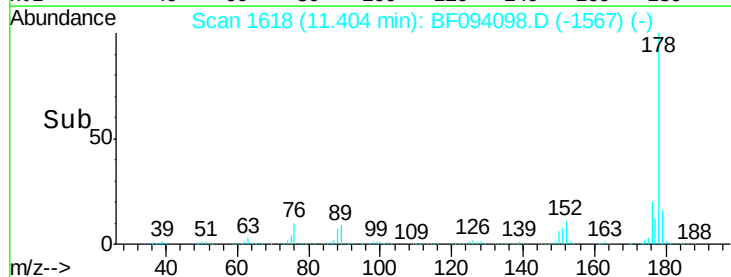
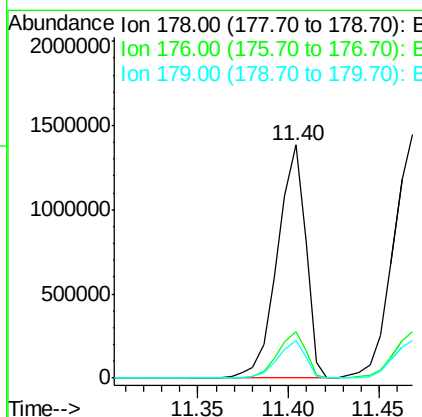
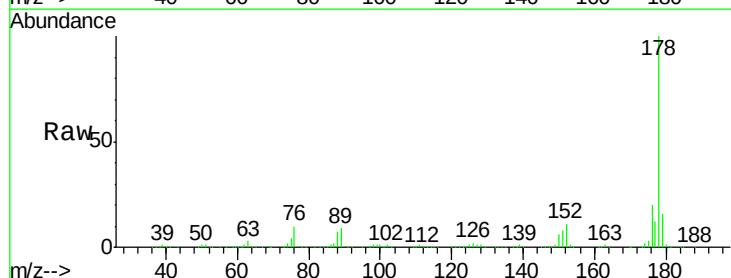
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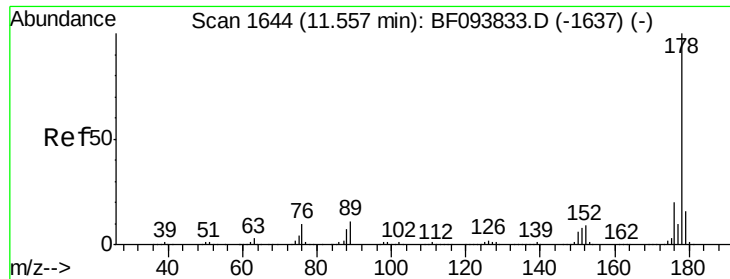
mohammad
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#70
 Phenanthrene
 Concen: 47.72 ng
 RT: 11.40 min Scan# 1618
 Delta R.T. -0.00 min
 Lab File: BF094098.D
 Acq: 31 Mar 2017 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1512164		
176	19.9	16.2	24.4	
179	16.0	12.6	19.0	





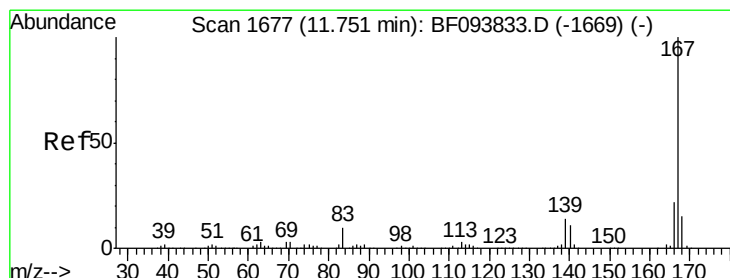
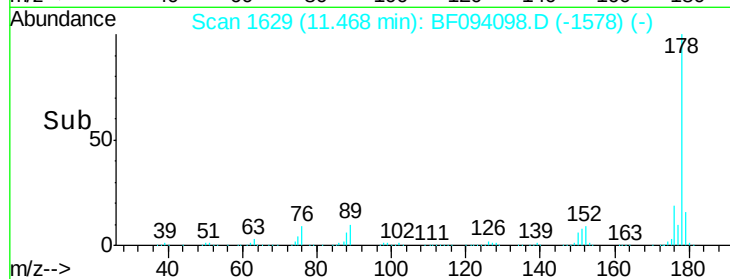
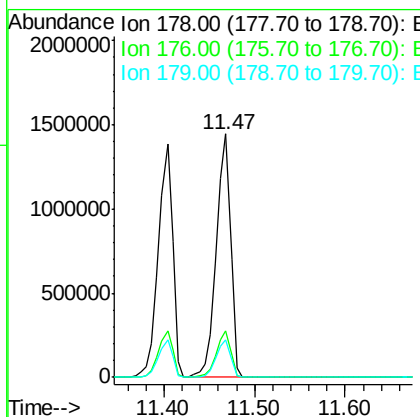
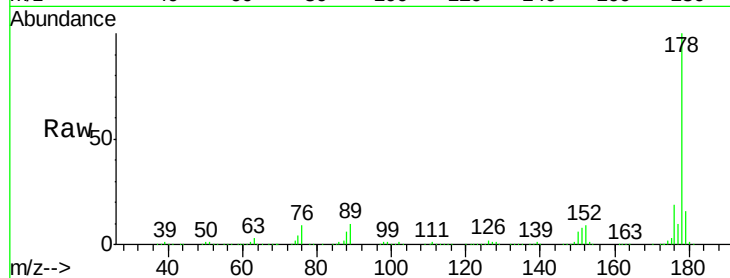
#71
 Anthracene
 Concen: 48.31 ng
 RT: 11.47 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: BF094098.D
 Acq: 31 Mar 2017 16:11

Instrument :
 BNA_F
 ClientSampleId :
 B-42-S2(2.0-2.5)MSD

Tot Ion:178 Resp: 1576483
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.8 23.8
 179 15.5 12.7 19.1

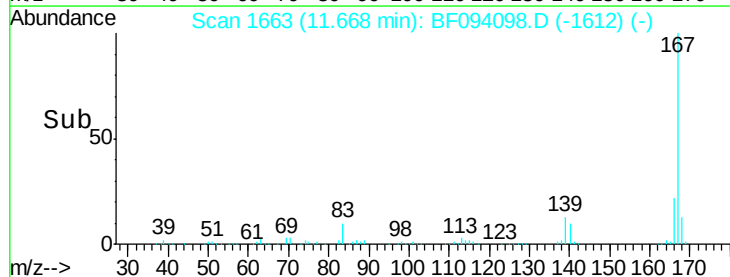
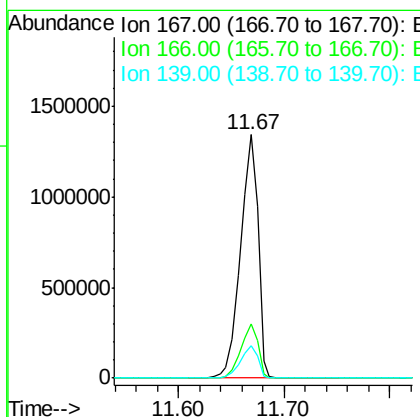
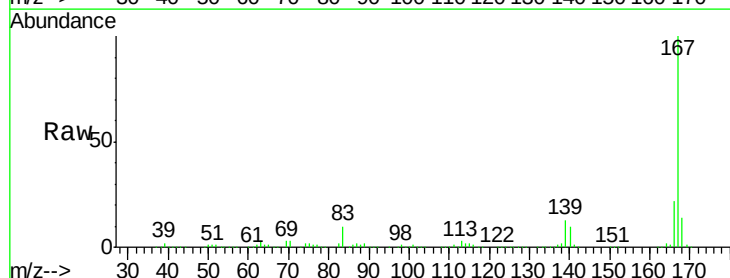
Manual Integrations
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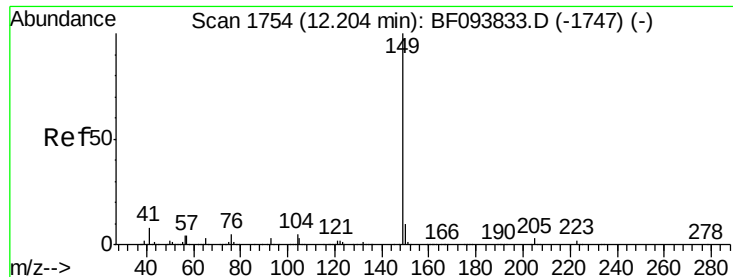
mohammad
 4/3/2017 3:25:43 PM



#72
 Carbazole
 Concen: 45.32 ng
 RT: 11.67 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: BF094098.D
 Acq: 31 Mar 2017 16:11

Tgt Ion:167 Resp: 1516346
 Ion Ratio Lower Upper
 167 100
 166 22.4 18.1 27.1
 139 13.1 11.7 17.5





#73

Di-n-butylphthalate

Concen: 49.49 ng

RT: 12.12 min Scan# 1739

Delta R.T. -0.00 min

Lab File: BF094098.D

Acq: 31 Mar 2017 16:11

Instrument :

BNA_F

ClientSampleId :

B-42-S2(2.0-2.5)MSD

Tot Ion:149 Resp: 1721943

Ion Ratio Lower Upper

149 100

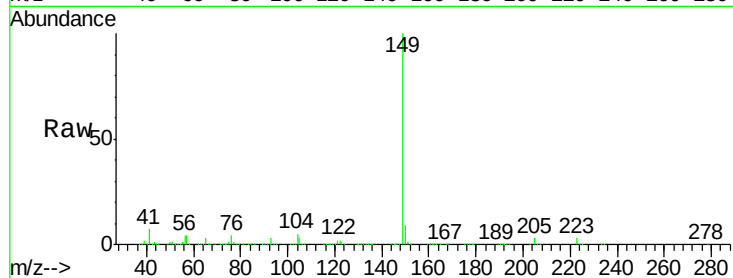
150 9.4 7.7 11.5

104 4.7 4.0 6.0

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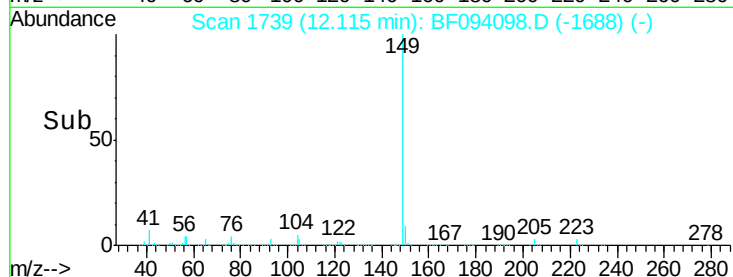


Abundance Ion 149.00 (148.70 to 149.70): E

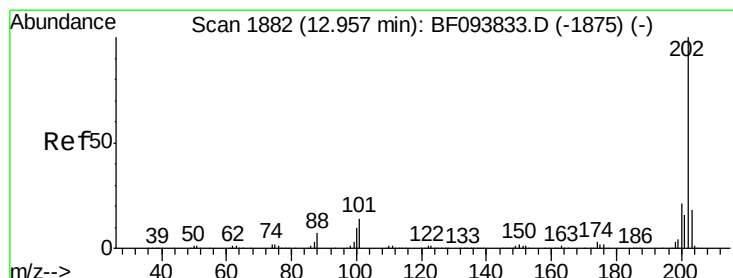
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

12.12



Time-->



#74

Fluoranthene

Concen: 47.49 ng

RT: 12.86 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF094098.D

Acq: 31 Mar 2017 16:11

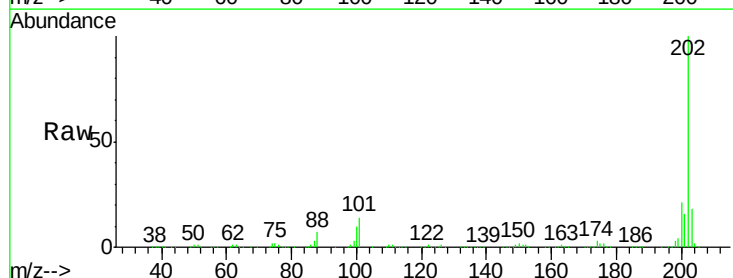
Tgt Ion:202 Resp: 1541221

Ion Ratio Lower Upper

202 100

101 13.9 0.0 33.2

203 18.4 0.0 38.1

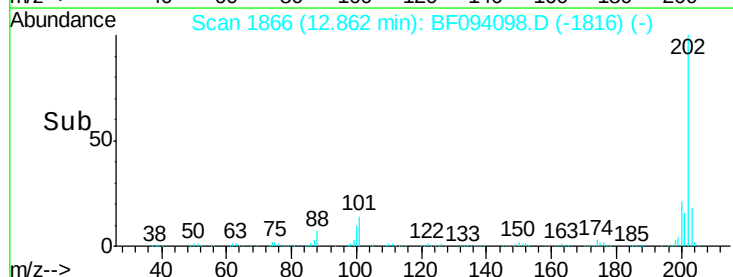


Abundance Ion 202.00 (201.70 to 202.70): E

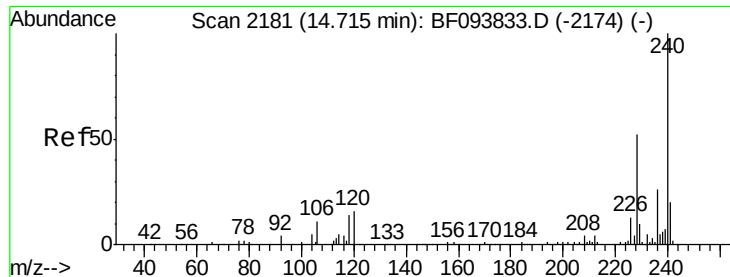
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

12.86



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.63 min Scan# 2166

Delta R.T. -0.00 min

Lab File: BF094098.D

Acq: 31 Mar 2017 16:11

Instrument :

BNA_F

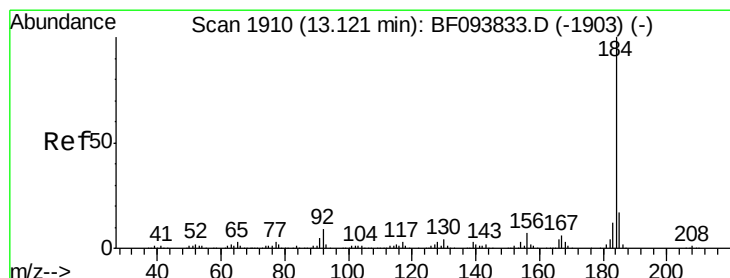
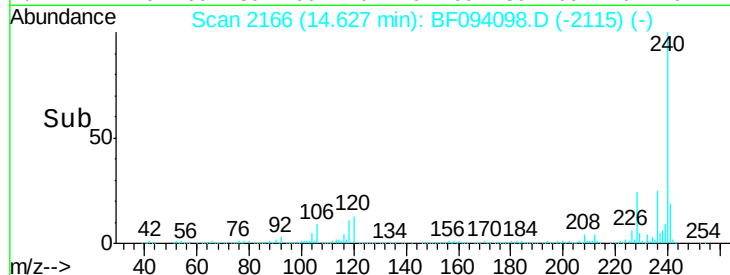
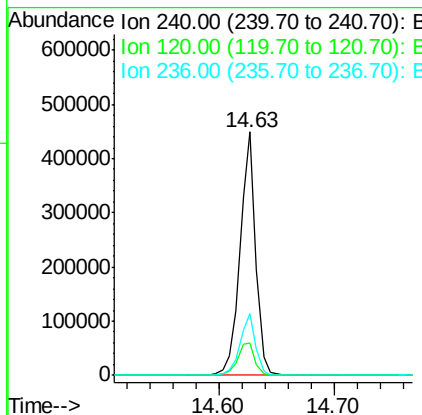
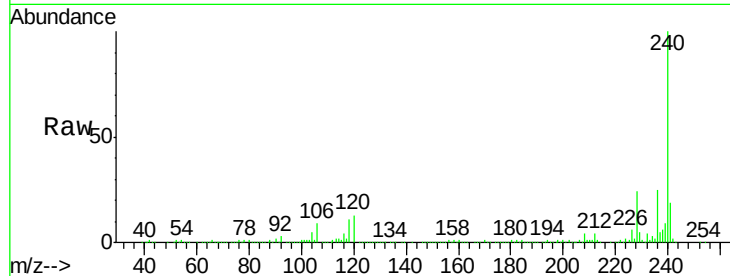
ClientSampleId :

B-42-S2(2.0-2.5)MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.3	5.8	8.8#
236	25.3	20.5	30.7

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#76

Benzidine

Concen: 2.81 ng

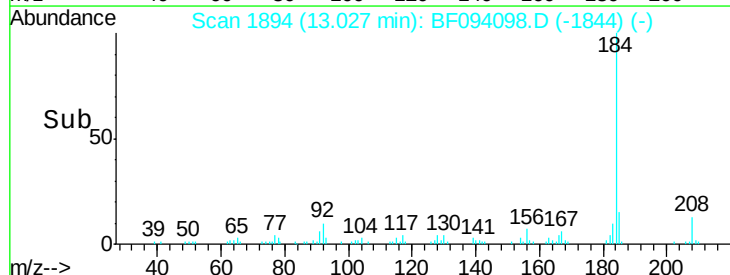
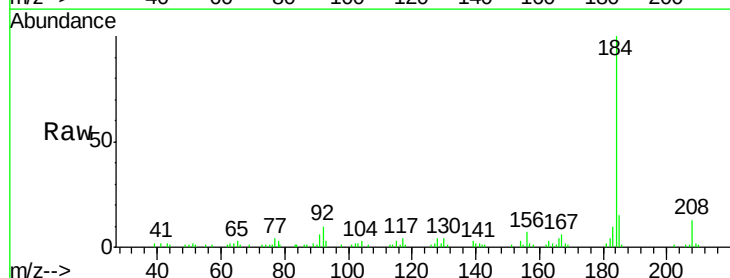
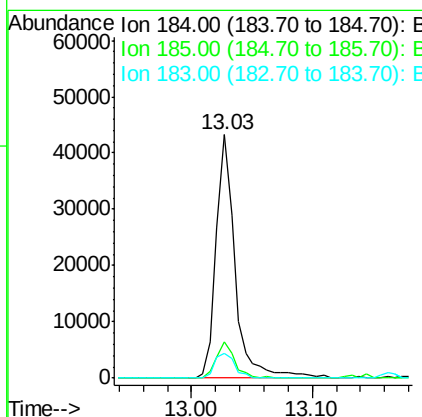
RT: 13.03 min Scan# 1894

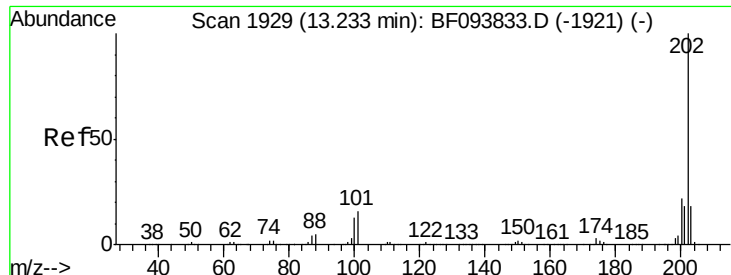
Delta R.T. -0.01 min

Lab File: BF094098.D

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Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.9	15.5	23.3#
183	10.3	9.8	14.6





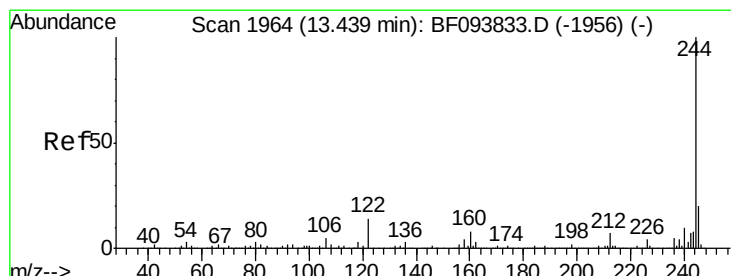
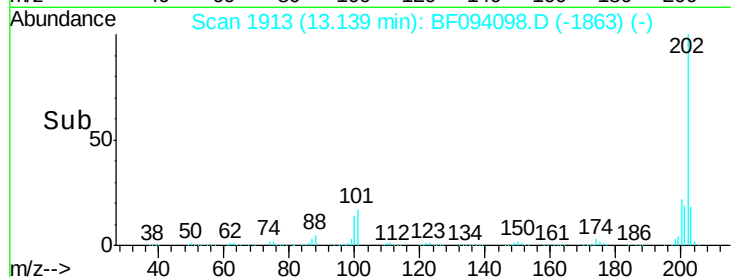
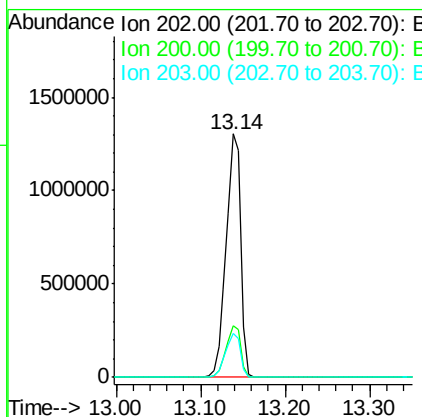
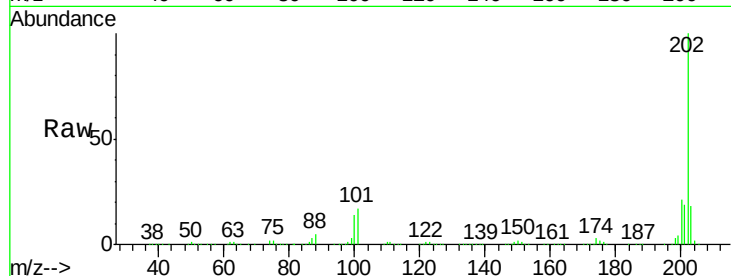
#77
Pvrene
Concen: 50.82 ng
RT: 13.14 min Scan# 1913
Delta R.T. -0.01 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Instrument :
BNA_F
ClientSampleId :
B-42-S2(2.0-2.5)MSD

Tot Ion: 202 Resp: 1550479
Ion Ratio Lower Upper
202 100
200 21.4 17.6 26.4
203 18.0 14.4 21.6

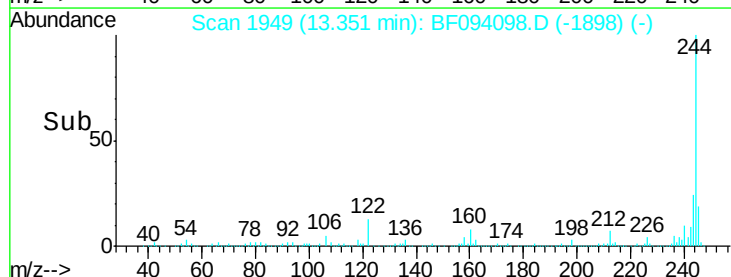
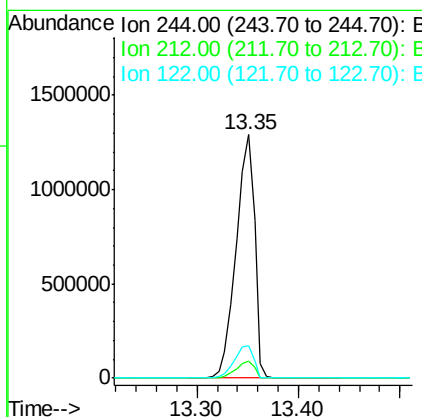
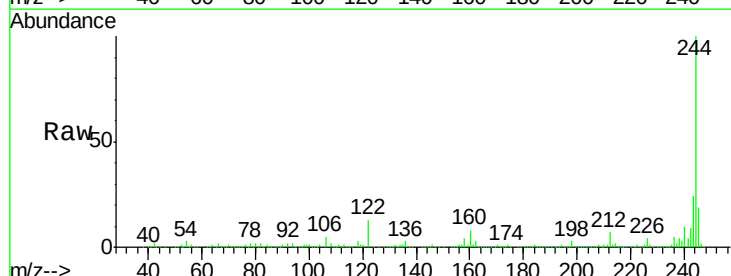
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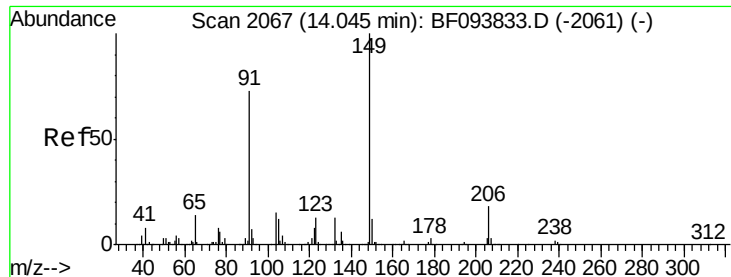
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#78
Terphenyl-d14
Concen: 87.48 ng
RT: 13.35 min Scan# 1949
Delta R.T. -0.00 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Tgt Ion: 244 Resp: 1640674
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 13.3 10.3 15.5





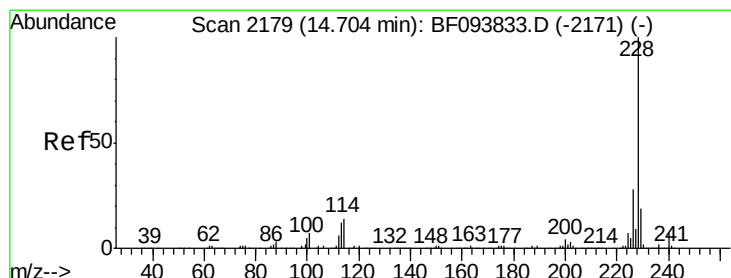
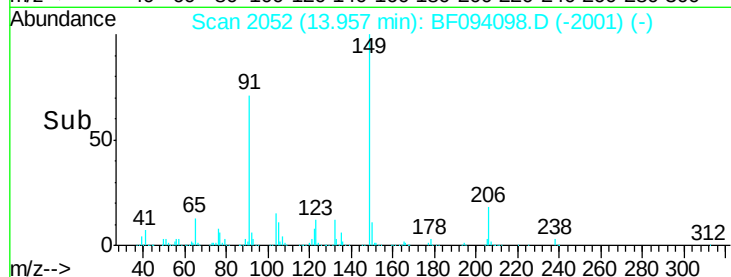
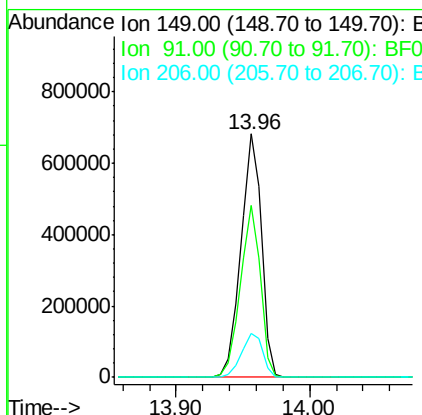
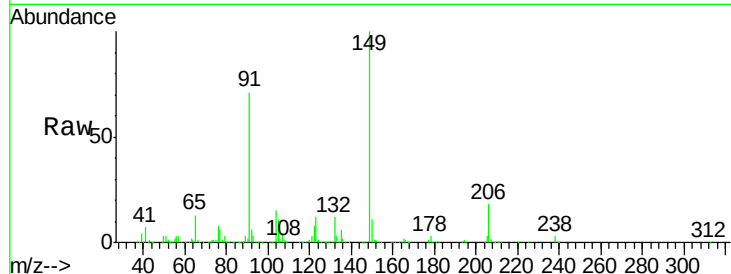
#79
Butylbenzylphthalate
Concen: 55.92 ng
RT: 13.96 min Scan# 2052
Delta R.T. -0.00 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Instrument :
BNA_F
ClientSampleId :
B-42-S2(2.0-2.5)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	70.6	45.0	67.4#
206	17.9	17.0	25.6

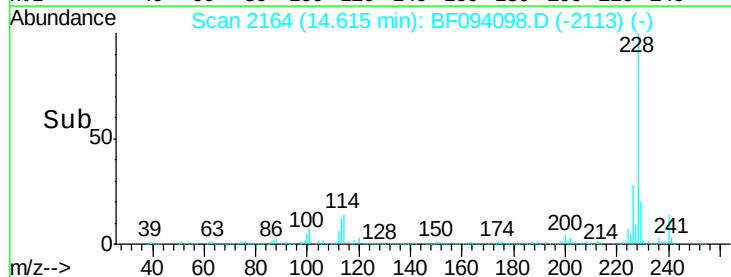
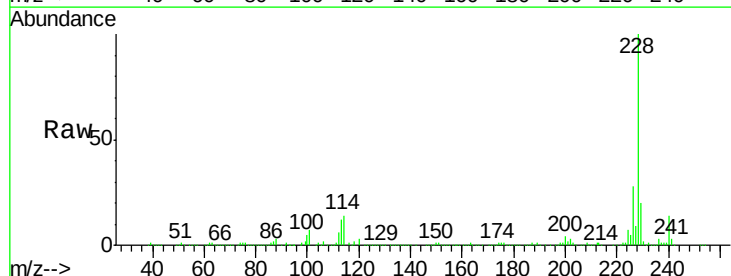
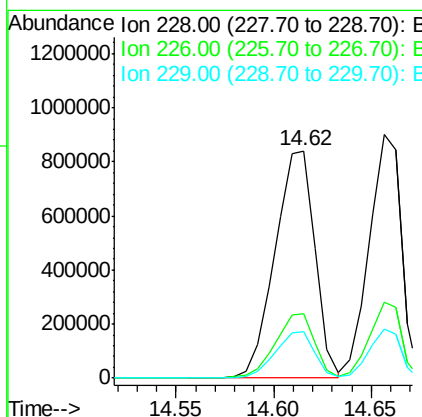
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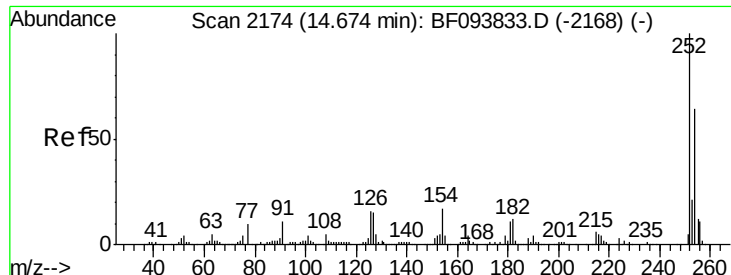
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#80
Benzo(a)anthracene
Concen: 48.63 ng
RT: 14.62 min Scan# 2164
Delta R.T. -0.00 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	20.3	16.3	24.5





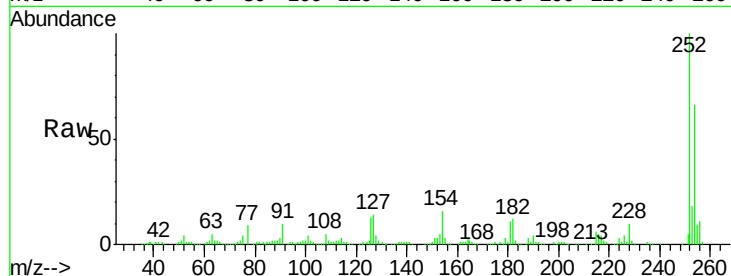
#81
 3,3'-Dichlorobenzidine
 Concen: 31.00 ng
 RT: 14.59 min Scan# 2159
 Delta R.T. -0.01 min
 Lab File: BF094098.D
 Acq: 31 Mar 2017 16:11

Instrument :
 BNA_F
 ClientSampleId :
 B-42-S2(2.0-2.5)MSD

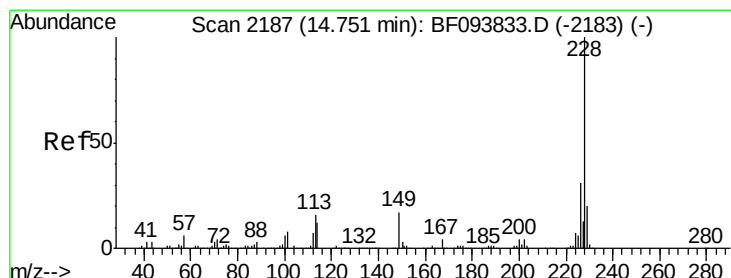
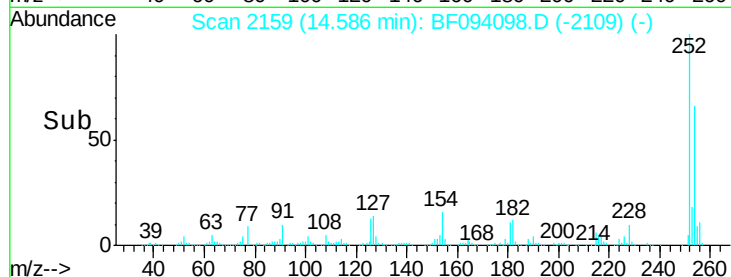
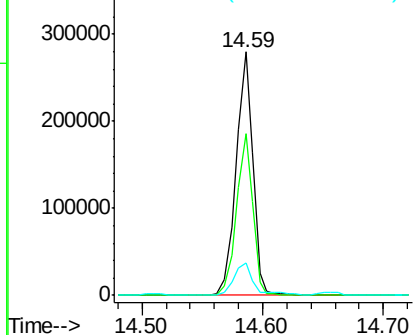
Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	66.5	51.5	77.3
126	13.1	15.8	23.8

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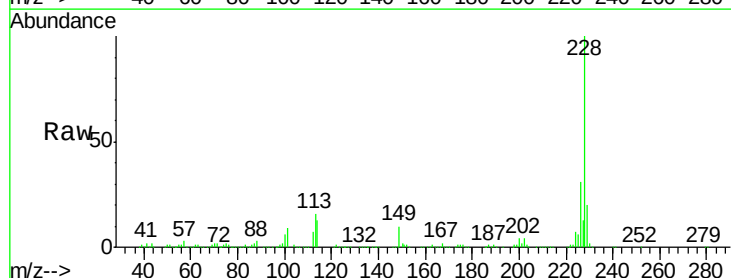


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

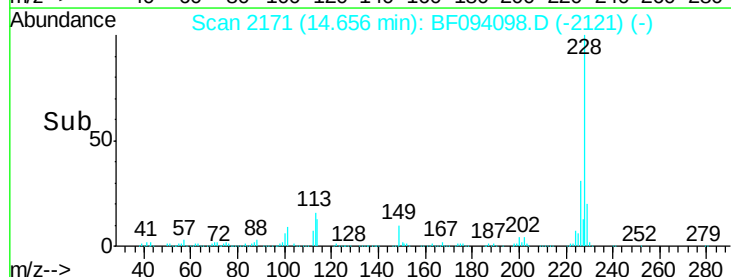
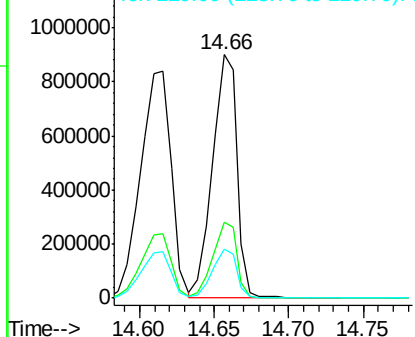


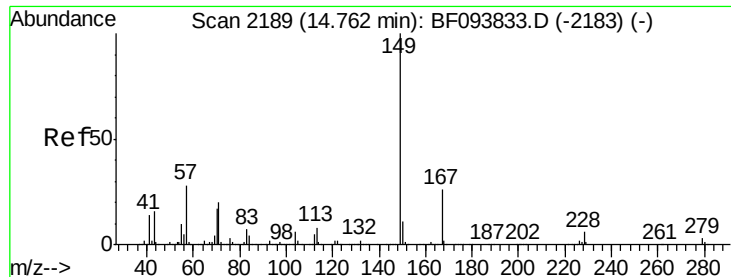
#82
 Chrysene
 Concen: 45.33 ng
 RT: 14.66 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: BF094098.D
 Acq: 31 Mar 2017 16:11

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	31.1	24.9	37.3
229	20.3	15.8	23.6



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





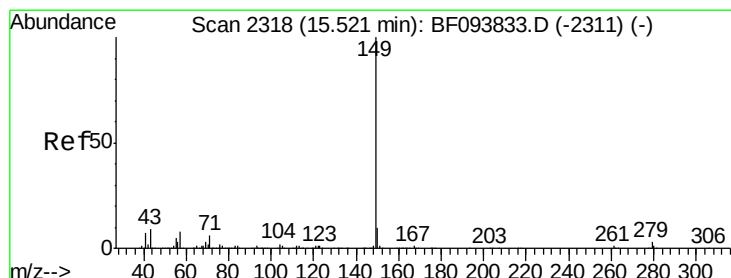
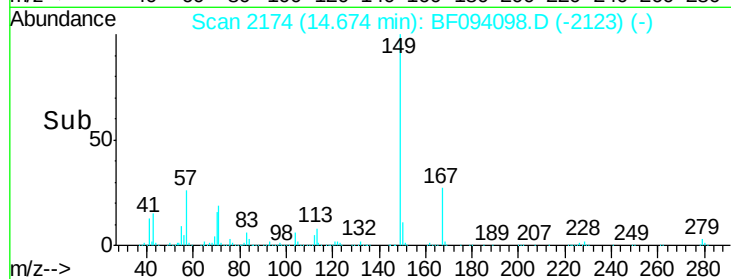
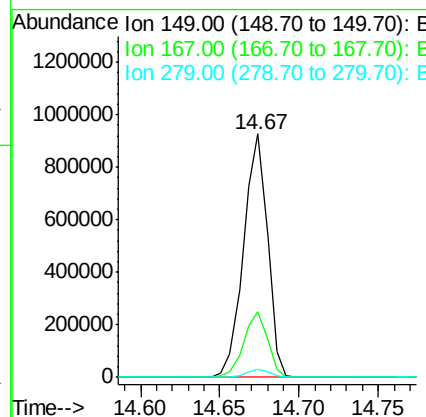
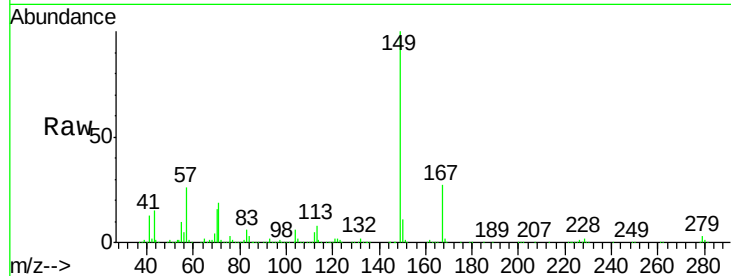
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 54.70 ng
 RT: 14.67 min Scan# 2174
 Delta R.T. -0.00 min
 Lab File: BF094098.D
 Acq: 31 Mar 2017 16:11

Instrument :
 BNA_F
 ClientSampleId :
 B-42-S2(2.0-2.5)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.0	31.4
279	3.2	1.9	2.9

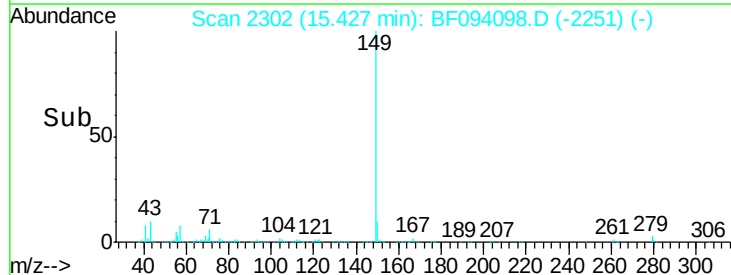
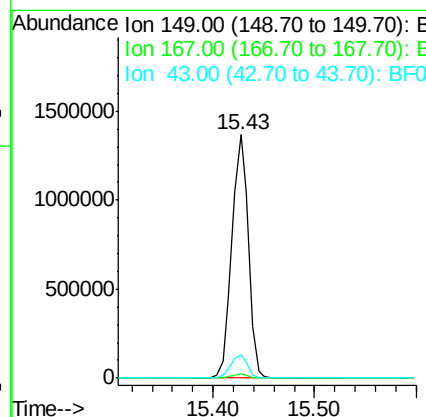
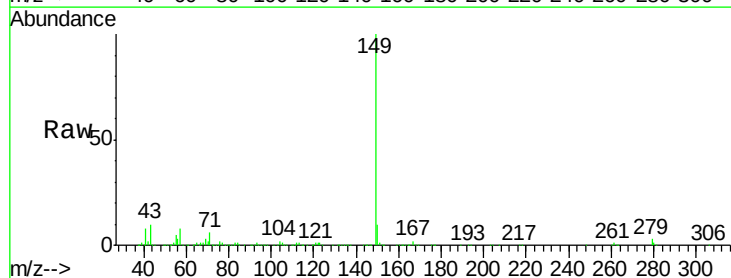
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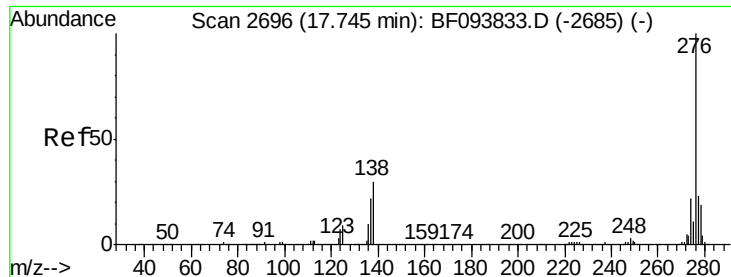
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#84
 Di-n-octyl phthalate
 Concen: 52.26 ng
 RT: 15.43 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: BF094098.D
 Acq: 31 Mar 2017 16:11

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.5	8.5	12.7





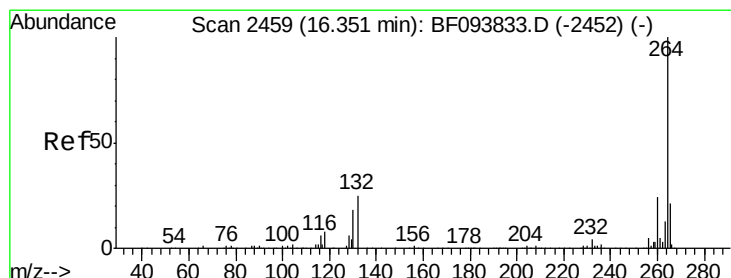
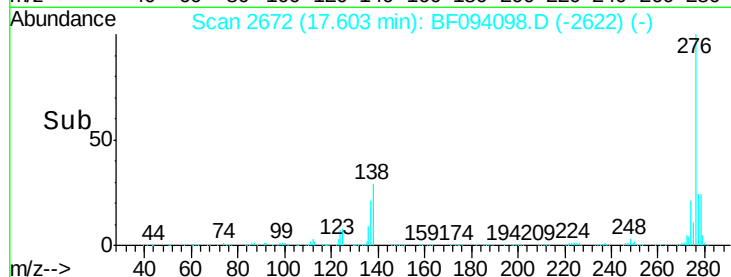
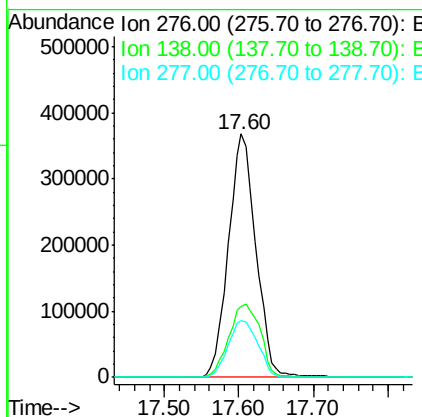
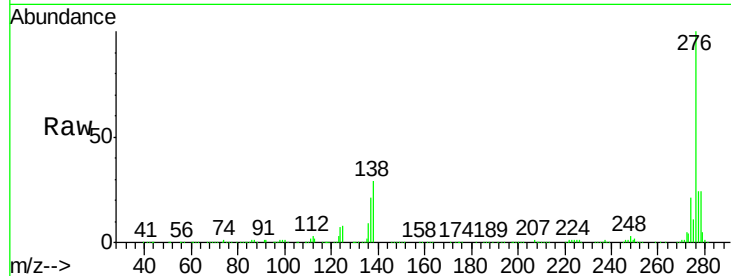
#85
Indeno(1,2,3-cd)pyrene
Concen: 47.87 ng
RT: 17.60 min Scan# 2672
Delta R.T. -0.01 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Instrument :
BNA_F
ClientSampleId :
B-42-S2(2.0-2.5)MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	34.5	27.8	41.6
277	25.6	20.2	30.4

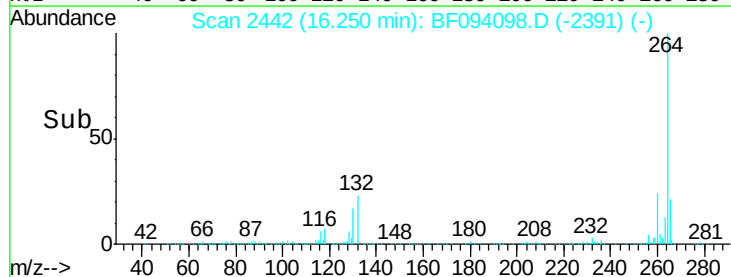
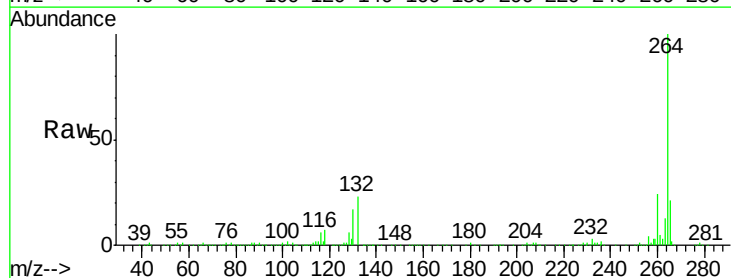
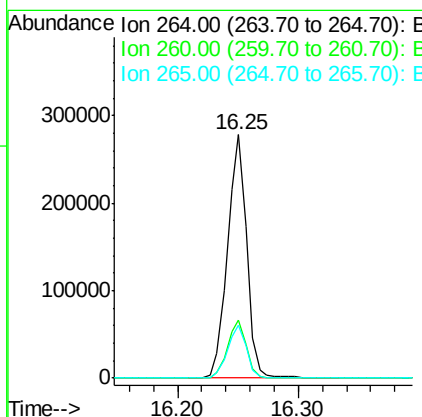
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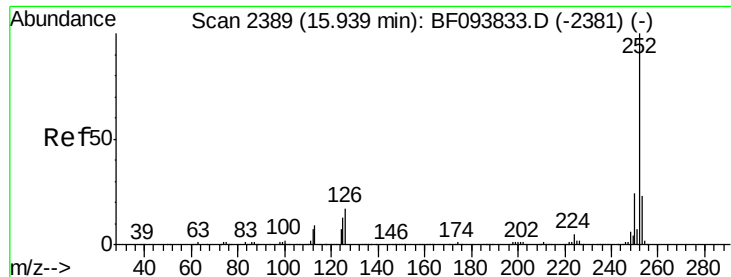
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 16.25 min Scan# 2442
Delta R.T. -0.00 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.5	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 50.78 ng

RT: 15.84 min Scan# 2373

Delta R.T. -0.01 min

Lab File: BF094098.D

Acq: 31 Mar 2017 16:11

Instrument :

BNA_F

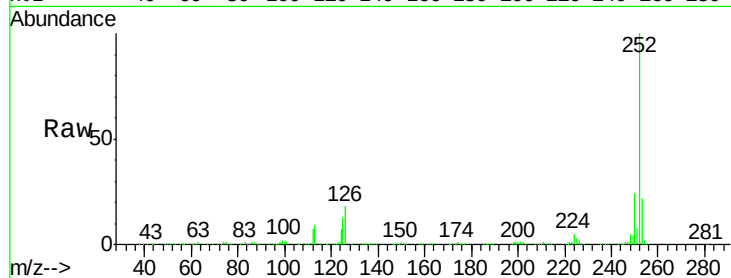
ClientSampleId :

B-42-S2(2.0-2.5)MSD

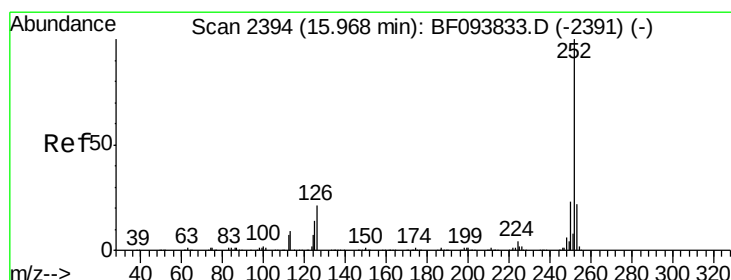
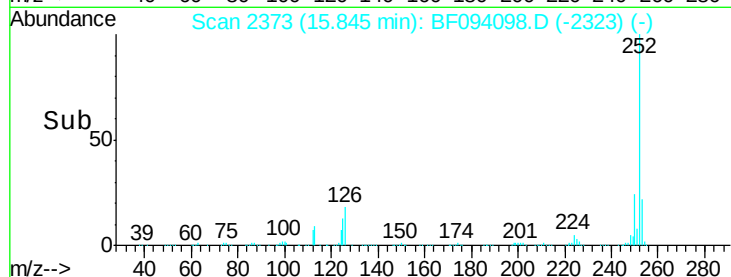
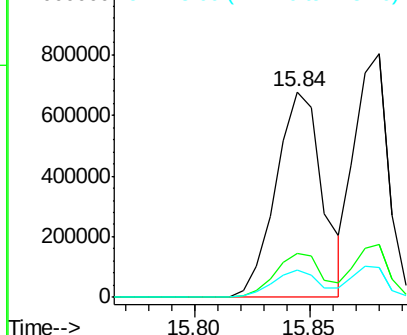
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.1	27.1
125	13.4	9.8	14.8

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



#88

Benzo(k)fluoranthene

Concen: 44.80 ng m

RT: 15.88 min Scan# 2379

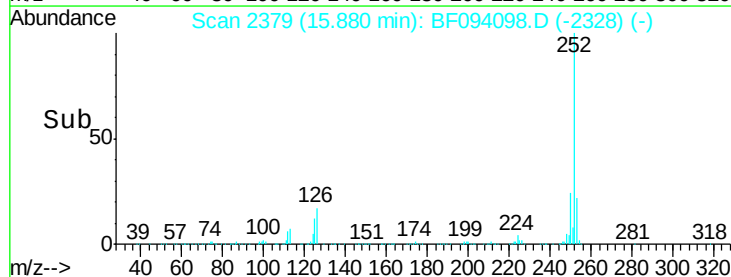
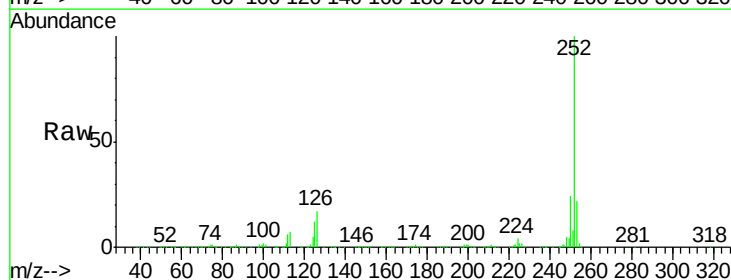
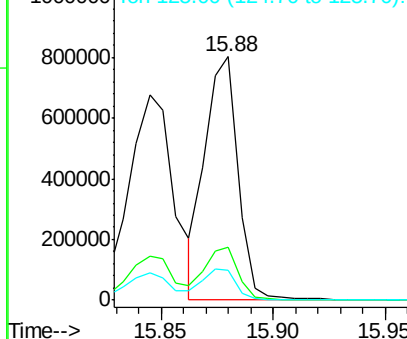
Delta R.T. -0.00 min

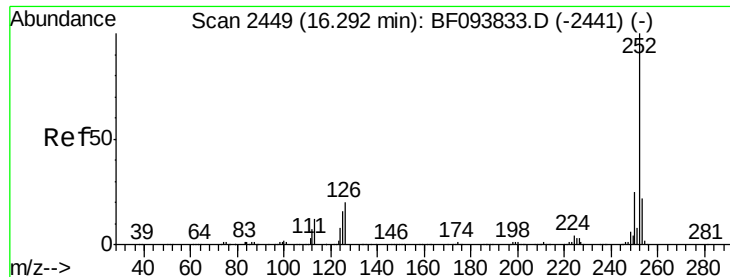
Lab File: BF094098.D

Acq: 31 Mar 2017 16:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.4	27.6
125	12.3	13.1	19.7#

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





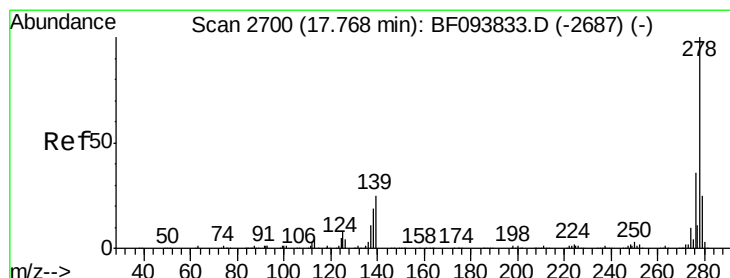
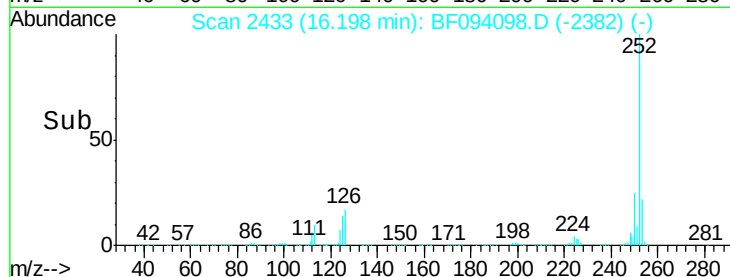
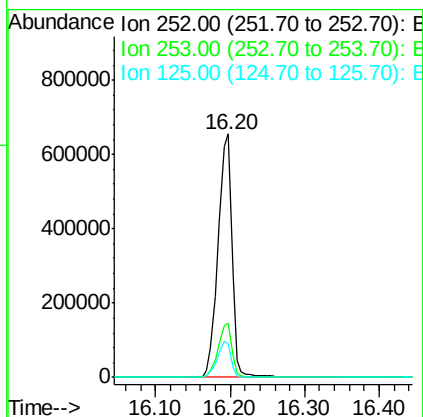
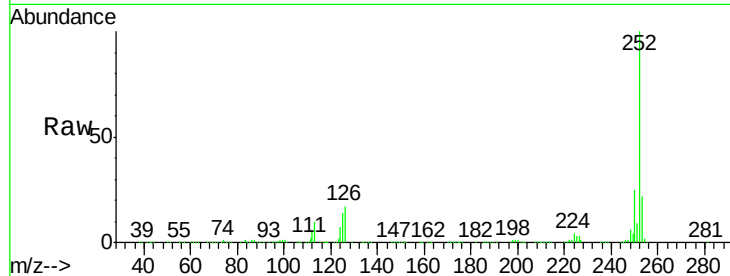
#89
Benzo(a)pyrene
Concen: 48.91 ng
RT: 16.20 min Scan# 2433
Delta R.T. -0.00 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Instrument :
BNA_F
ClientSampleId :
B-42-S2(2.0-2.5)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	13.6	11.0	16.4

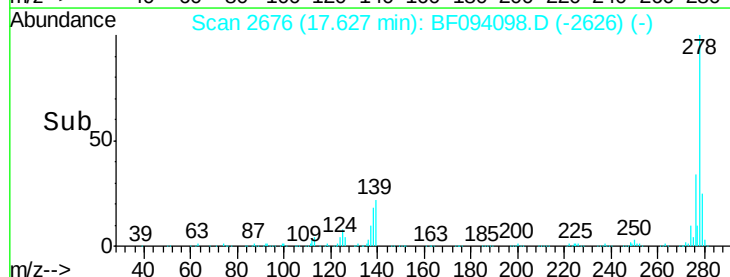
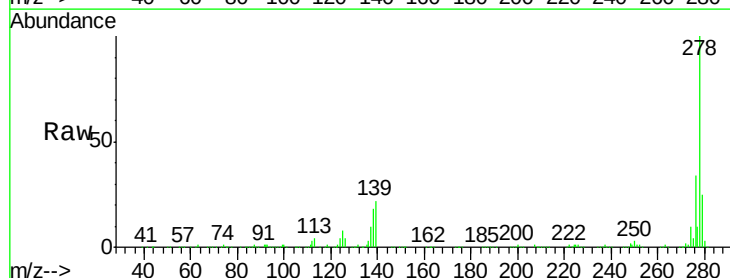
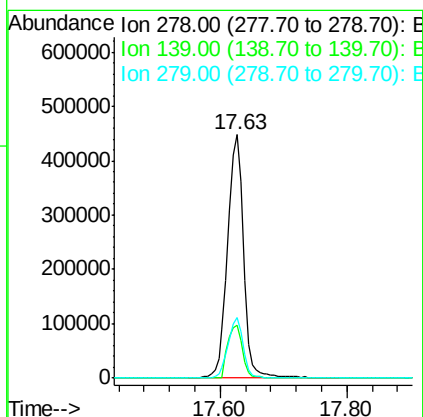
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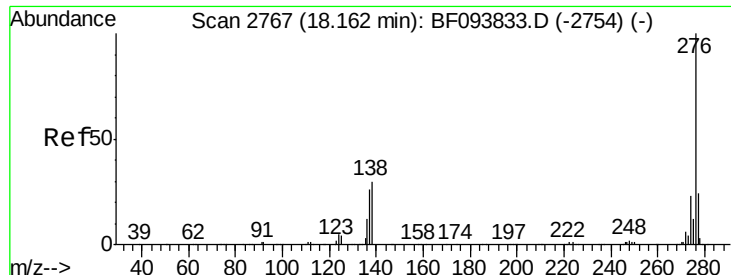
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 53.26 ng
RT: 17.63 min Scan# 2676
Delta R.T. -0.01 min
Lab File: BF094098.D
Acq: 31 Mar 2017 16:11

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.0	16.6	24.8
279	24.6	19.3	28.9





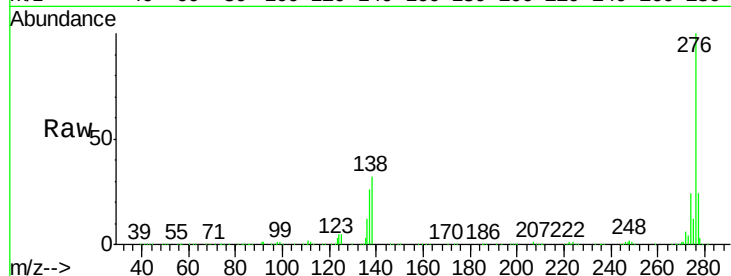
#91
 Benzo(a,h,i)perylene
 Concen: 54.31 ng
 RT: 18.00 min Scan# 2740
 Delta R.T. -0.01 min
 Lab File: BF094098.D
 Acq: 31 Mar 2017 16:11

Instrument :
 BNA_F
 ClientSampleId :
 B-42-S2(2.0-2.5)MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	28.0
138	31.6	25.4	38.0

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

