

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
 Data File : BF094238.D
 Acq On : 6 Apr 2017 19:50
 Operator : SJ/MA
 Sample : I2534-13MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-B-02(10-15)MSD

Manual Integrations
 APPROVED

mohammad
 4/7/2017 5:21:04 PM

Quant Time: Apr 07 01:27:02 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	169447	20.00	ng	0.00
21) Naphthalene-d8	7.36	136	697869	20.00	ng	0.00
38) Acenaphthene-d10	9.50	164	327371	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	577227	20.00	ng	0.00
75) Chrysene-d12	14.57	240	382028	20.00	ng	0.00
86) Perylene-d12	16.20	264	290190	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	4.40	112	1441801	143.72	ng	0.01
7) Phenol-d6	5.47	99	1845109	148.67	ng	0.01
23) Nitrobenzene-d5	6.51	82	1154235	94.39	ng	0.00
41) 2,4,6-Tribromophenol	10.48	330	404236	156.26	ng	0.00
44) 2-Fluorobiphenyl	8.69	172	2009182	93.61	ng	0.00
78) Terphenyl-d14	13.30	244	1639759	96.21	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.25	88	199776	41.45	ng	97
3) Pyridine	2.73	79	586941	44.68	ng	99
4) n-Nitrosodimethylamine	2.70	42	271963	50.32	ng	91
6) Aniline	5.48	93	391250	22.66	ng	# 1
8) 2-Chlorophenol	5.62	128	589806	53.49	ng	98
9) Benzaldehyde	5.35	77	295629	35.28	ng	97
10) Phenol	5.49	94	797288	56.45	ng	99
11) bis(2-Chloroethyl)ether	5.57	93	555286	50.31	ng	96
12) 1,3-Dichlorobenzene	5.79	146	613148	49.57	ng	98
13) 1,4-Dichlorobenzene	5.87	146	619745	49.47	ng	96
14) 1,2-Dichlorobenzene	6.05	146	569953	49.40	ng	96
15) Benzyl Alcohol	6.03	79	482086	53.07	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.19	45	773689	45.49	ng	96
17) 2-Methylphenol	6.17	107	503544	53.32	ng	97
18) Hexachloroethane	6.45	117	218443	49.61	ng	# 88
19) n-Nitroso-di-n-propylamine	6.35	70	415045	52.03	ng	98
20) 3+4-Methylphenols	6.35	107	639774	55.93	ng	# 63
22) Acetophenone	6.33	105	837169	53.82	ng	# 86
24) Nitrobenzene	6.53	77	612376	50.78	ng	96
25) Isophorone	6.82	82	1133081	52.73	ng	97
26) 2-Nitrophenol	6.90	139	342715	59.59	ng	96
27) 2,4-Dimethylphenol	6.97	122	554396	55.94	ng	98
28) bis(2-Chloroethoxy)methane	7.08	93	727832	51.36	ng	98
29) 2,4-Dichlorophenol	7.20	162	523254	56.47	ng	99
30) 1,2,4-Trichlorobenzene	7.29	180	488124	51.15	ng	98
31) Naphthalene	7.39	128	1671880	49.82	ng	100
32) Benzoic acid	7.13	122	212324	32.18	ng	95
33) 4-Chloroaniline	7.45	127	162307	11.93	ng	96
34) Hexachlorobutadiene	7.54	225	237054	48.44	ng	99
35) Caprolactam	7.91	113	180343m	61.03	ng	
36) 4-Chloro-3-methylphenol	8.08	107	572837	59.16	ng	90
37) 2-Methylnaphthalene	8.23	142	1169516	52.28	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.43	216	426537	47.63	ng	99
40) Hexachlorocyclopentadiene	8.42	237	317130	75.67	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.58	196	355498	56.11	nq	99
43) 2,4,5-Trichlorophenol	8.63	196	360864	52.63	nq	96
45) 1,1'-Biphenyl	8.80	154	1269284	48.07	nq	98
46) 2-Chloronaphthalene	8.82	162	1019820	49.34	nq	95
47) 2-Nitroaniline	8.95	65	329495	53.74	nq	# 84
48) Acenaphthylene	9.33	152	1621656	47.21	nq	99
49) Dimethylphthalate	9.20	163	1563590	67.19	nq	100
50) 2,6-Dinitrotoluene	9.26	165	286009	53.61	nq	91
51) Acenaphthene	9.55	154	960809	47.93	nq	99
52) 3-Nitroaniline	9.46	138	143823	22.96	nq	85
53) 2,4-Dinitrophenol	9.60	184	194896	68.96	nq	# 67
54) Dibenzofuran	9.76	168	1387272	50.84	nq	100
55) 4-Nitrophenol	9.71	139	458405	93.44	nq	# 63
56) 2,4-Dinitrotoluene	9.76	165	342895	51.17	nq	# 61
57) Fluorene	10.17	166	1044039	46.14	nq	99
58) 2,3,4,6-Tetrachlorophenol	9.92	232	269810	57.36	nq	98
59) Diethylphthalate	10.06	149	1199834	52.17	nq	99
60) 4-Chlorophenyl-phenylether	10.18	204	444894	46.15	nq	95
61) 4-Nitroaniline	10.22	138	304875	50.72	nq	97
62) Azobenzene	10.38	77	1167845	53.68	nq	95
64) 4,6-Dinitro-2-methylphenol	10.26	198	177570	50.23	nq	# 70
65) n-Nitrosodiphenylamine	10.33	169	1020881	51.14	nq	97
66) 4-Bromophenyl-phenylether	10.78	248	289857	51.06	nq	98
67) Hexachlorobenzene	10.85	284	293825	51.13	nq	# 86
68) Atrazine	11.01	200	305225	51.05	nq	96
69) Pentachlorophenol	11.10	266	324261	90.65	nq	98
70) Phenanthrene	11.36	178	1539318	47.94	nq	100
71) Anthracene	11.42	178	1612140	48.76	nq	99
72) Carbazole	11.62	167	1555628	45.89	nq	99
73) Di-n-butylphthalate	12.07	149	1833807	52.01	nq	100
74) Fluoranthene	12.82	202	1552627	47.22	nq	99
76) Benzidine	12.99	184	606205	40.09	nq	# 92
77) Pyrene	13.09	202	1549537	55.89	nq	99
79) Butylbenzylphthalate	13.91	149	752937	63.74	nq	# 84
80) Benzo(a)anthracene	14.56	228	1138740	51.12	nq	99
81) 3,3'-Dichlorobenzidine	14.53	252	267955	33.65	nq	# 97
82) Chrysene	14.61	228	1010270	48.87	nq	99
83) Bis(2-ethylhexyl)phthalate	14.63	149	1019066	63.23	nq	# 99
84) Di-n-octyl phthalate	15.38	149	1568056	58.24	nq	98
85) Indeno(1,2,3-cd)pyrene	17.53	276	938219	52.40	nq	100
87) Benzo(b)fluoranthene	15.80	252	909870	51.15	nq	99
88) Benzo(k)fluoranthene	15.83	252	838729	48.19	nq	# 95
89) Benzo(a)pyrene	16.14	252	829600	50.65	nq	98
90) Dibenzo(a,h)anthracene	17.55	278	774926	55.86	nq	98
91) Benzo(g,h,i)perylene	17.92	276	803899	57.50	nq	97

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

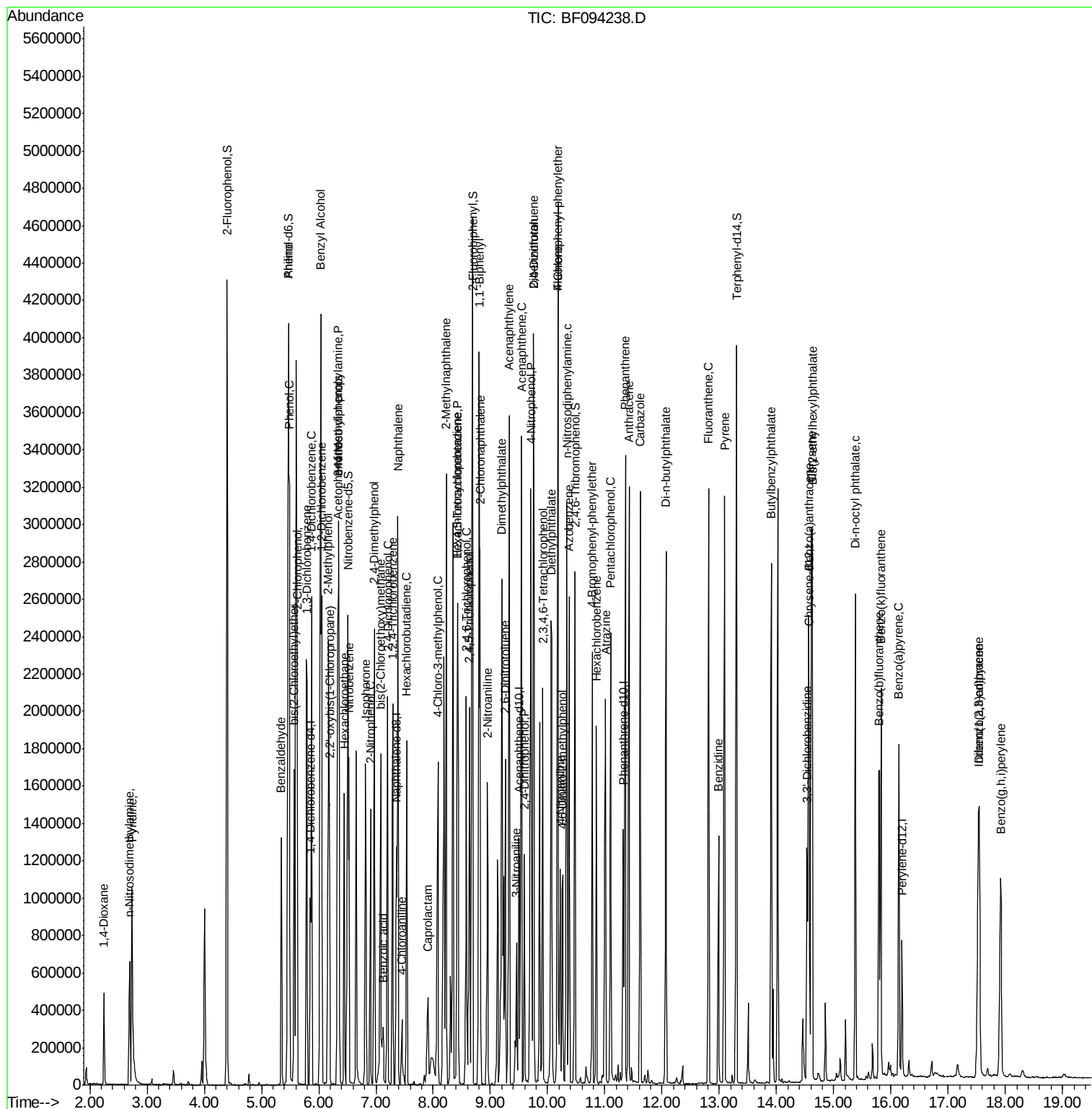
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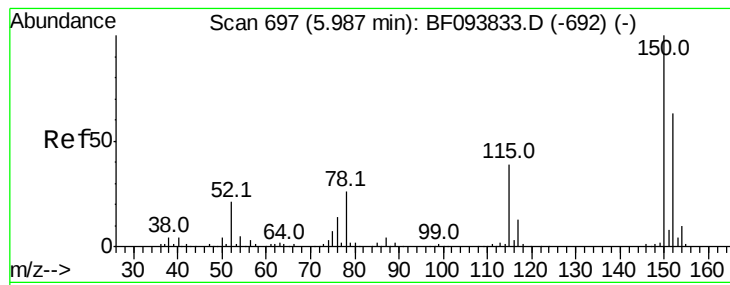
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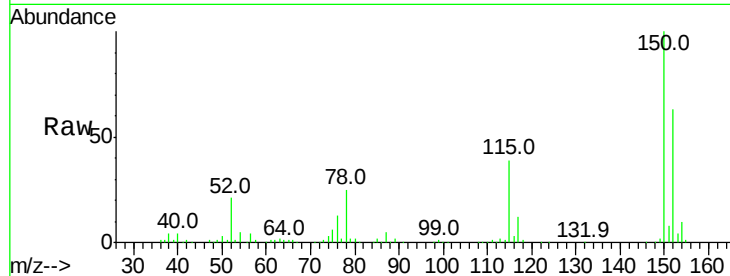
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.85 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: BF094238.D
 Acq: 6 Apr 2017 19:50

Instrument :
 BNA_F
 ClientSampleId :
 GP-B-02(10-15)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	126.2	189.2
115	61.6	52.2	78.2

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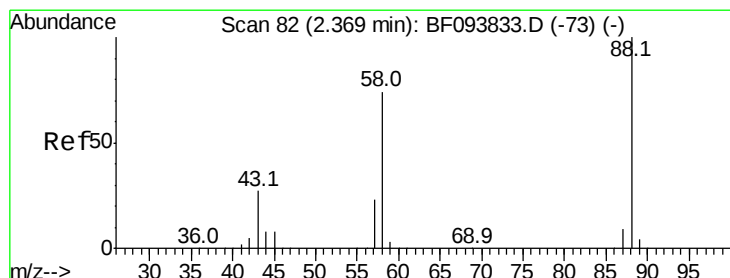
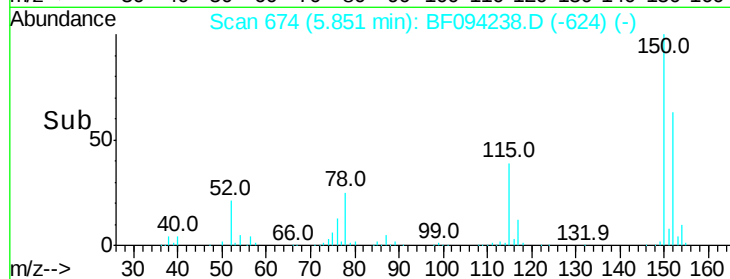
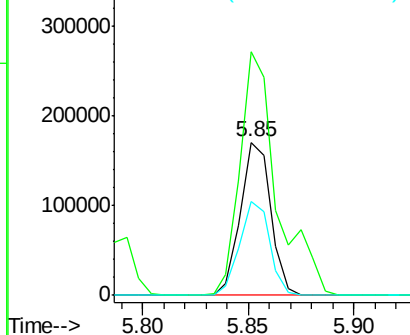


Abundance

Ion 152.00 (151.70 to 152.70): E

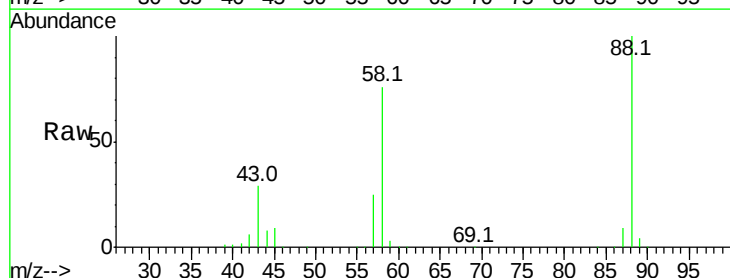
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2
 1,4-Dioxane
 Concen: 41.45 ng
 RT: 2.25 min Scan# 61
 Delta R.T. 0.04 min
 Lab File: BF094238.D
 Acq: 6 Apr 2017 19:50

Tgt Ion	Ratio	Lower	Upper
88	100		
58	73.9	61.4	92.0
43	27.9	23.4	35.0

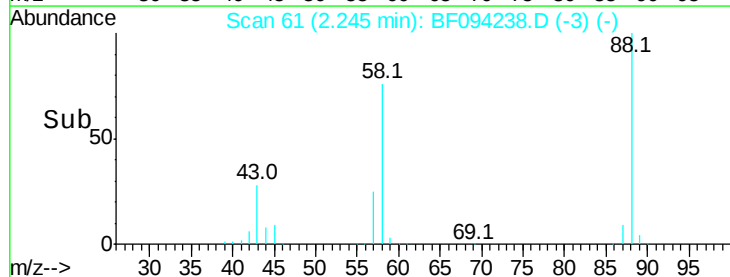
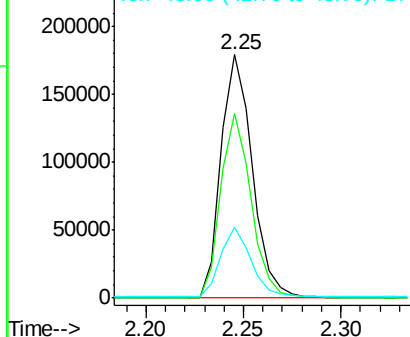


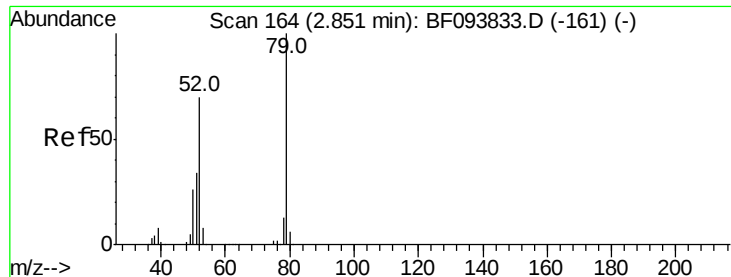
Abundance

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





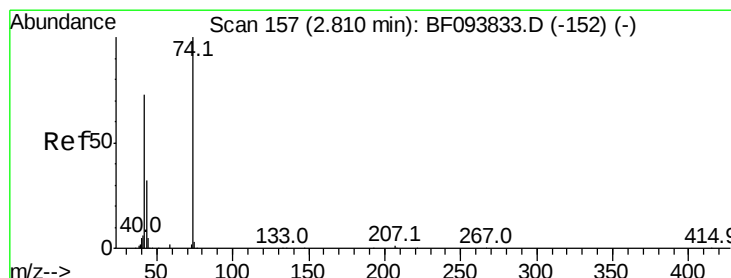
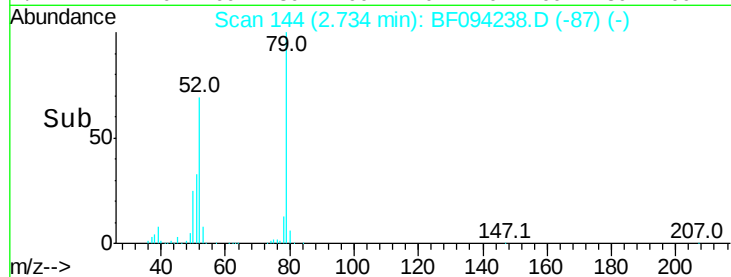
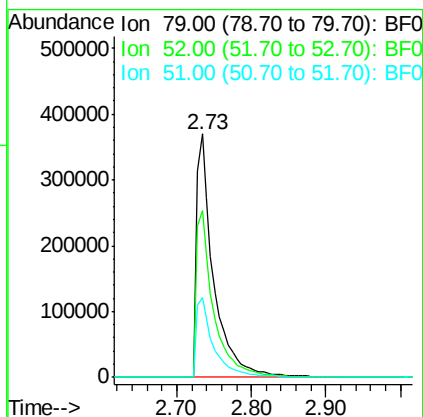
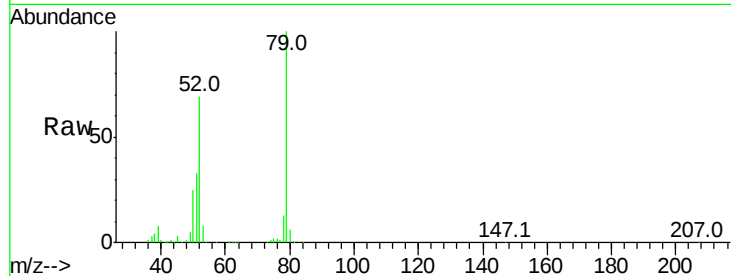
#3
Pvridine
Concen: 44.68 ng
RT: 2.73 min Scan# 144
Delta R.T. 0.04 min
Lab File: BF094238.D
Acq: 6 Apr 2017 19:50

Instrument :
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GP-B-02(10-15)MSD

Tot Ion	Ratio	Lower	Upper
79	100		
52	68.8	54.8	82.2
51	32.6	27.0	40.4

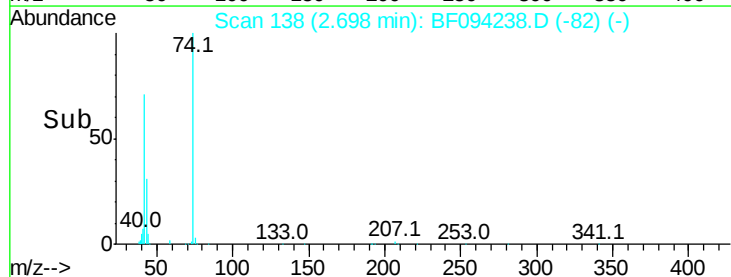
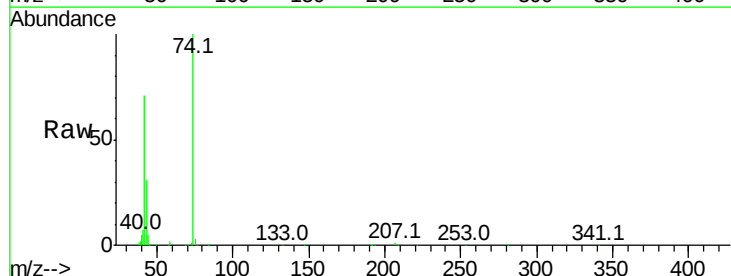
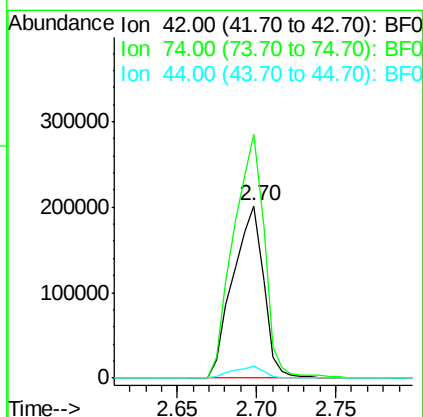
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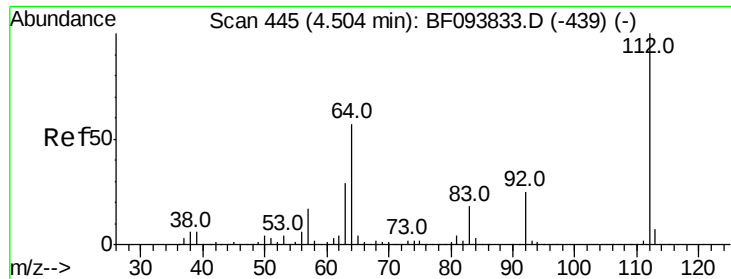
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#4
n-Nitrosodimethylamine
Concen: 50.32 ng
RT: 2.70 min Scan# 138
Delta R.T. 0.03 min
Lab File: BF094238.D
Acq: 6 Apr 2017 19:50

Tgt Ion	Ratio	Lower	Upper
42	100		
74	141.1	103.9	155.9
44	6.9	5.7	8.5





#5

2-Fluorophenol

Concen: 143.72 ng

RT: 4.40 min Scan# 427

Delta R.T. 0.01 min

Lab File: BF094238.D

Acq: 6 Apr 2017 19:50

Instrument :

BNA_F

ClientSampleId :

GP-B-02(10-15)MSD

Tot Ion: 112 Resp: 1441801

Ion Ratio Lower Upper

112 100

64 57.8 46.0 69.0

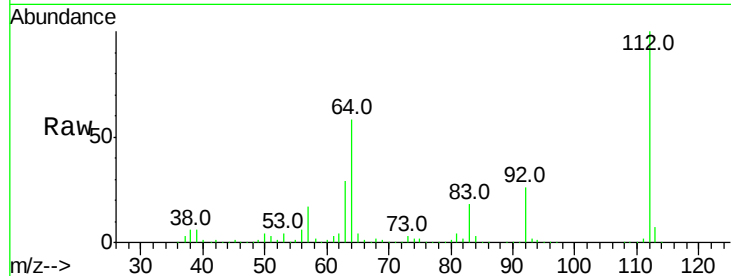
63 29.1 23.4 35.0

Manual Integrations

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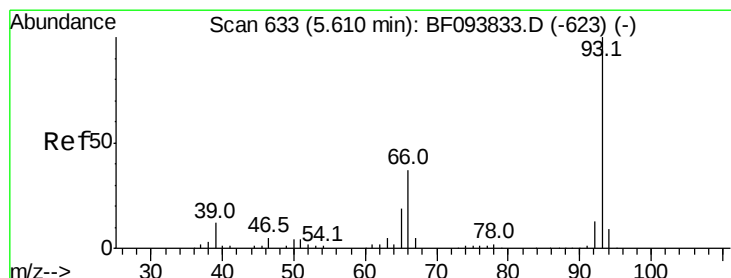
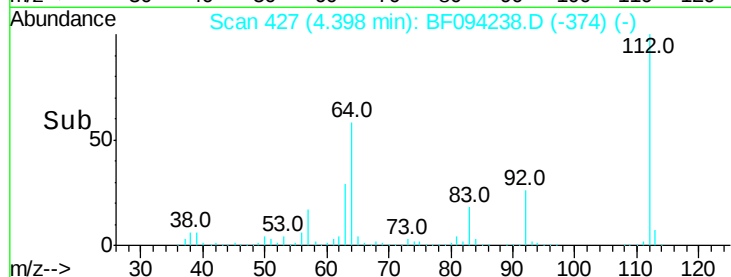
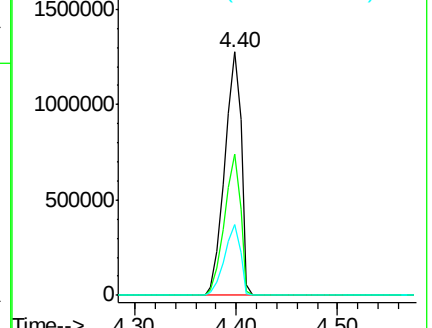
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 22.66 ng

RT: 5.48 min Scan# 611

Delta R.T. -0.00 min

Lab File: BF094238.D

Acq: 6 Apr 2017 19:50

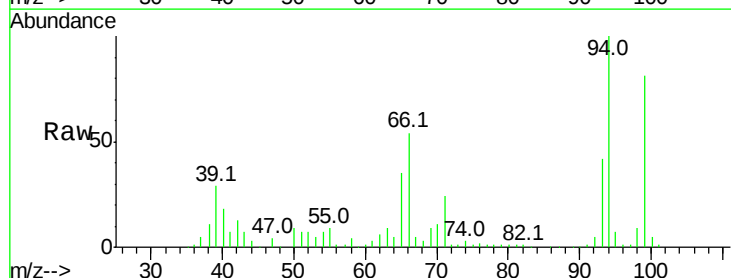
Tgt Ion: 93 Resp: 391250

Ion Ratio Lower Upper

93 100

66 128.3 32.9 49.3#

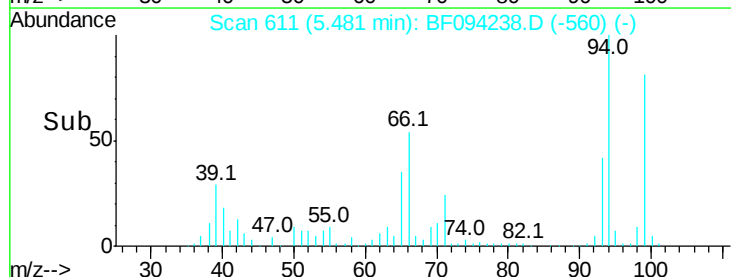
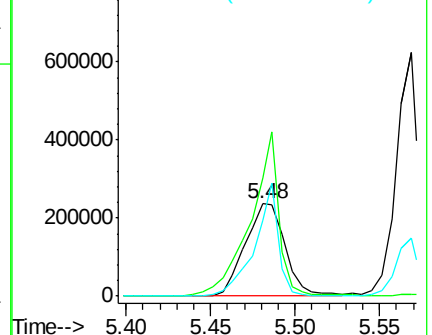
65 82.7 16.0 24.0#

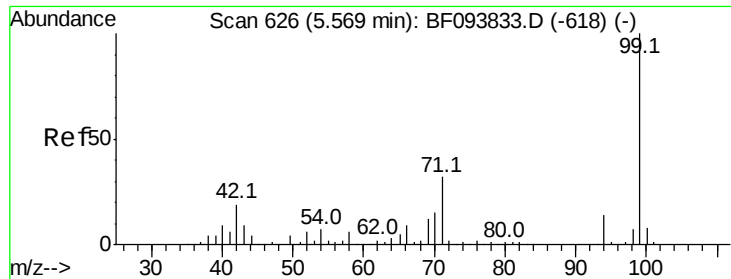


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 148.67 ng

RT: 5.47 min Scan# 610

Delta R.T. 0.01 min

Lab File: BF094238.D

Acq: 6 Apr 2017 19:50

Instrument :

BNA_F

ClientSampleId :

GP-B-02(10-15)MSD

Tot Ion: 99 Resp: 1845109

Ion Ratio Lower Upper

99 100

42 17.3 13.5 20.3

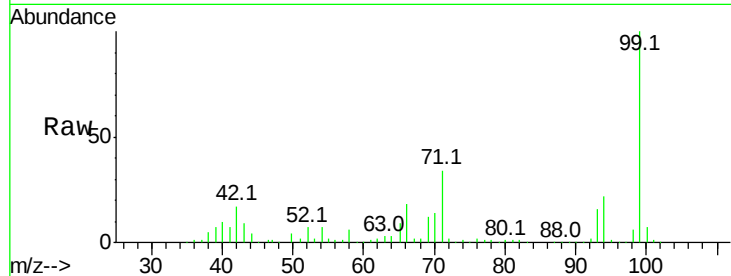
71 33.7 24.5 36.7

Manual Integrations

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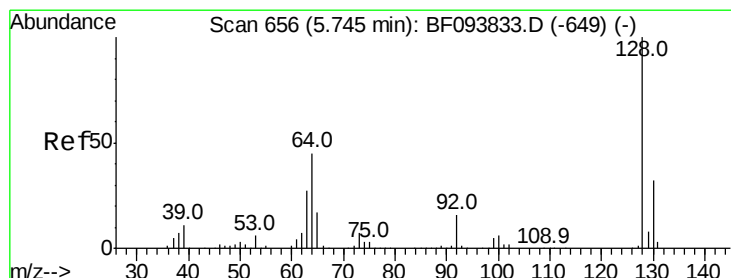
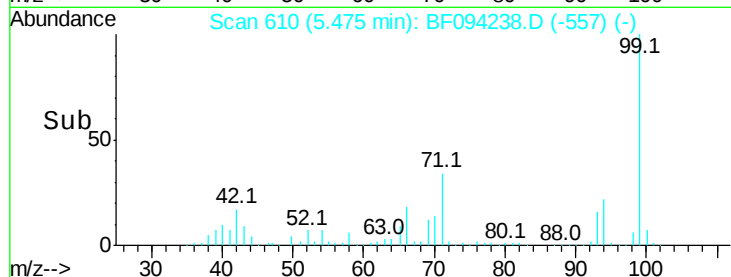
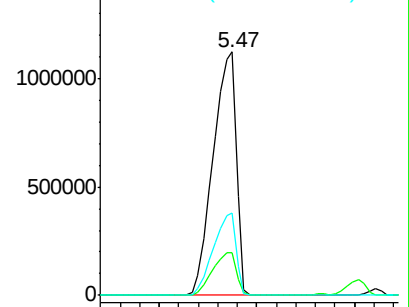
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 53.49 ng

RT: 5.62 min Scan# 635

Delta R.T. -0.00 min

Lab File: BF094238.D

Acq: 6 Apr 2017 19:50

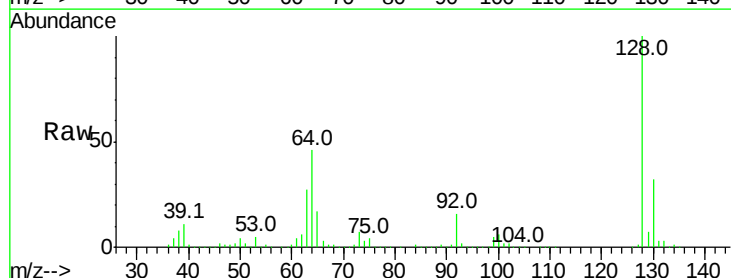
Tgt Ion:128 Resp: 589806

Ion Ratio Lower Upper

128 100

130 32.4 12.9 52.9

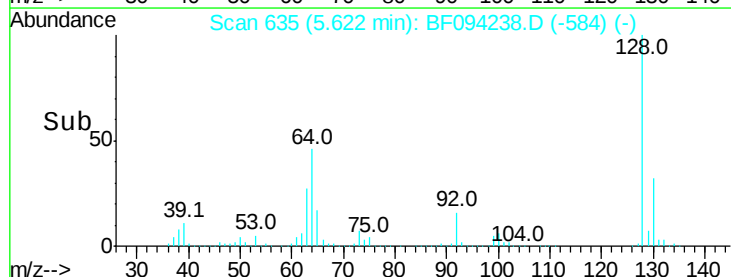
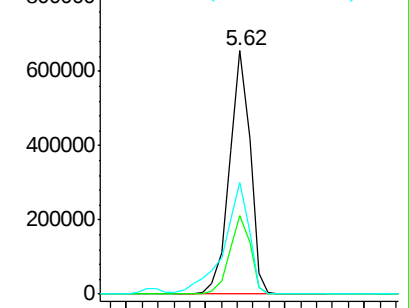
64 46.2 28.4 68.4

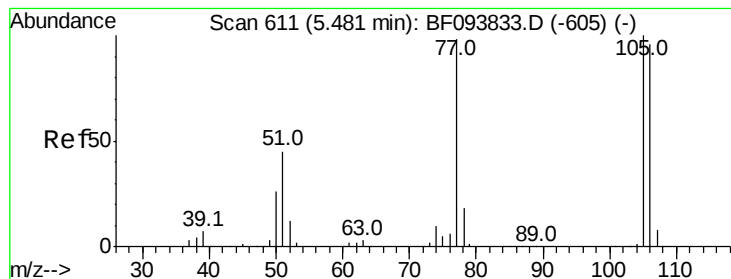


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 35.28 ng

RT: 5.35 min Scan# 588

Delta R.T. -0.01 min

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BNA_F

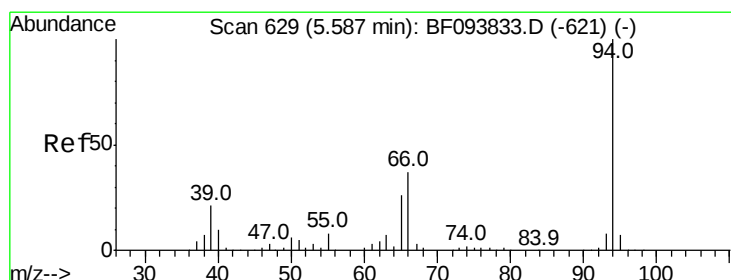
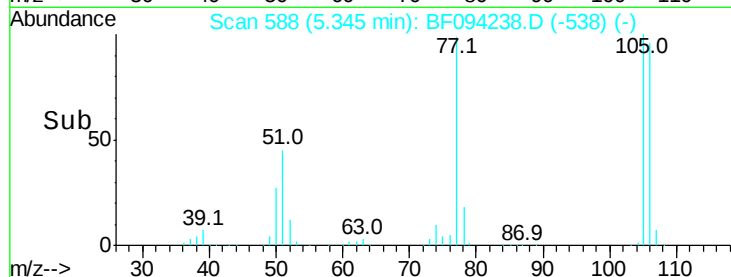
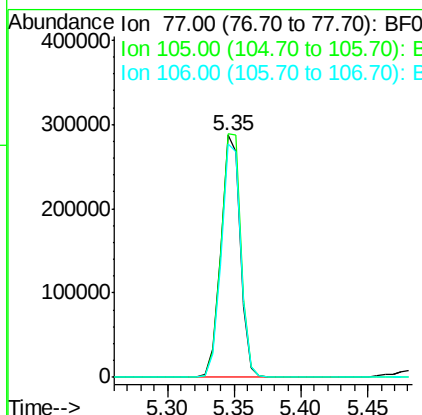
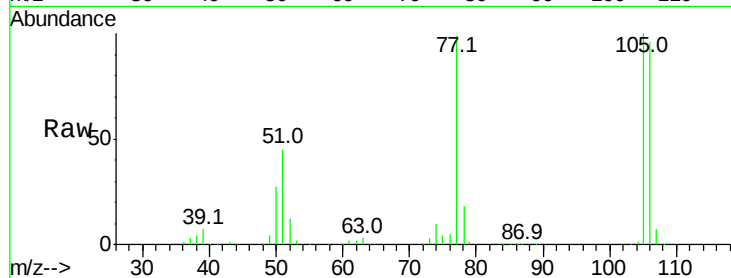
ClientSampleId :

GP-B-02(10-15)MSD

Tot Ion:	77	Resp:	295629
Ion Ratio	Lower	Upper	
77	100		
105	100.6	83.8	123.8
106	96.2	79.1	119.1

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#10

Phenol

Concen: 56.45 ng

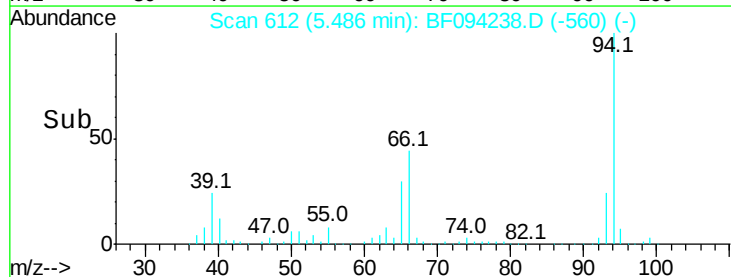
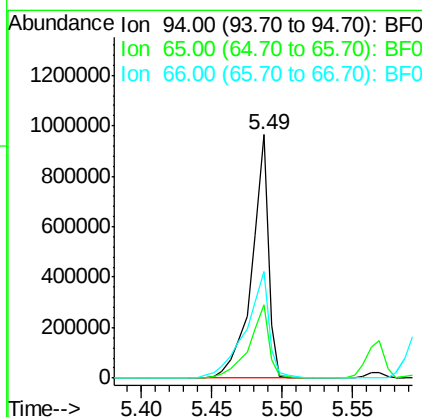
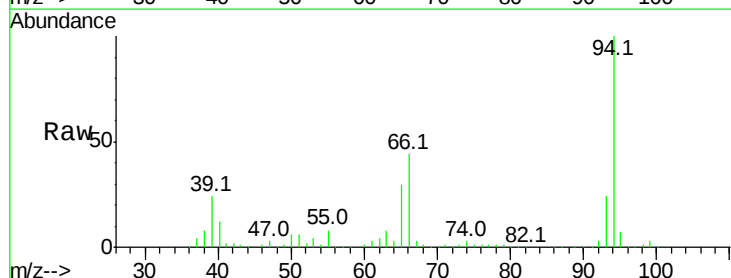
RT: 5.49 min Scan# 612

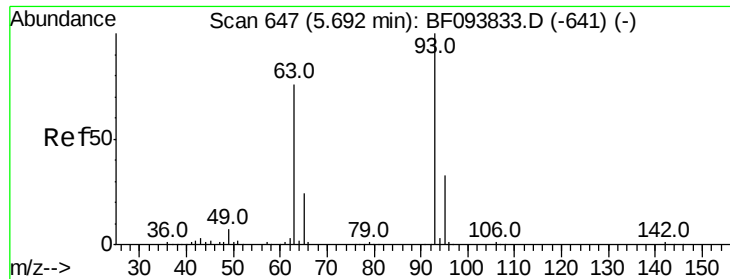
Delta R.T. 0.01 min

Lab File: BF094238.D

Acq: 6 Apr 2017 19:50

Tgt Ion:	94	Resp:	797288
Ion Ratio	Lower	Upper	
94	100		
65	30.1	9.9	49.9
66	43.6	23.1	63.1





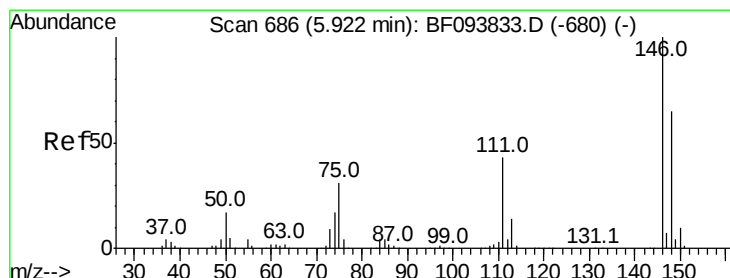
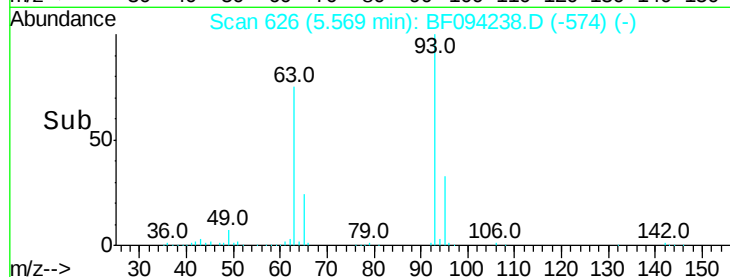
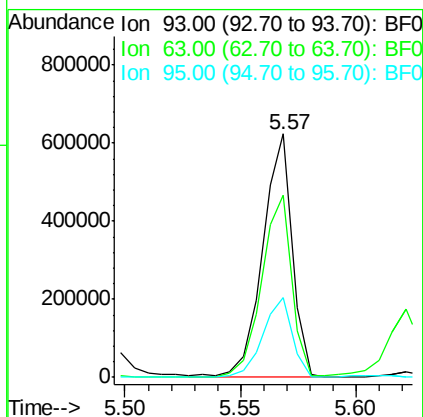
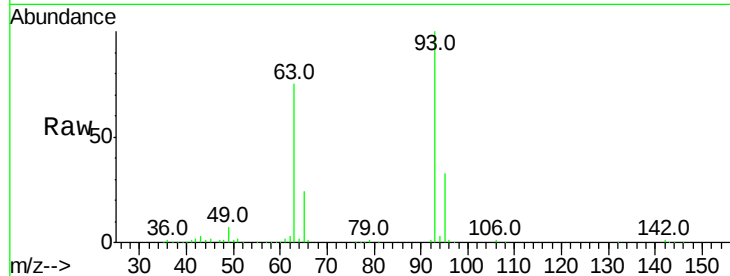
#11
bis(2-Chloroethyl)ether
Concen: 50.31 ng
RT: 5.57 min Scan# 626
Delta R.T. 0.01 min
Lab File: BF094238.D
Acq: 6 Apr 2017 19:50

Instrument :
BNA_F
ClientSampleId :
GP-B-02(10-15)MSD

Tot Ion	93	Resp	555286
Ion Ratio	100	Lower	Upper
93	100		
63	74.6	59.2	99.2
95	32.6	12.8	52.8

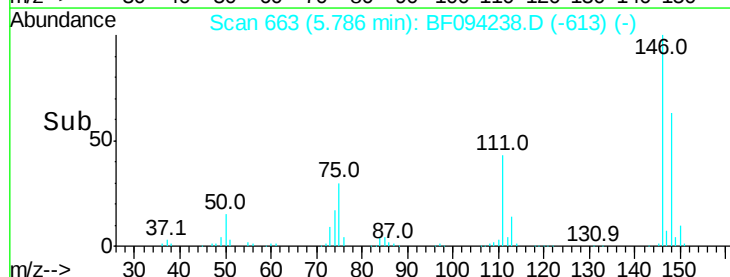
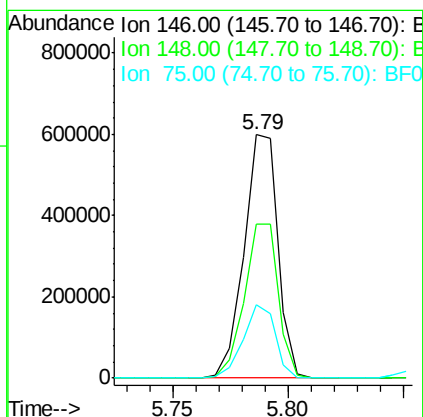
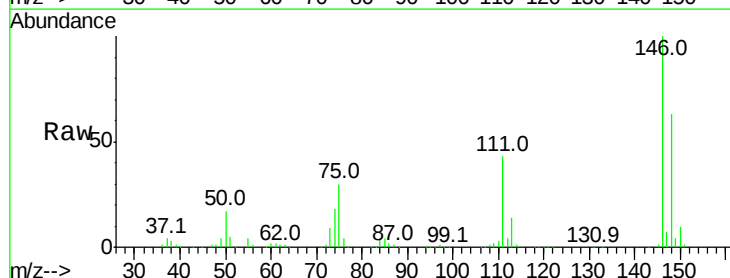
Manual Integrations
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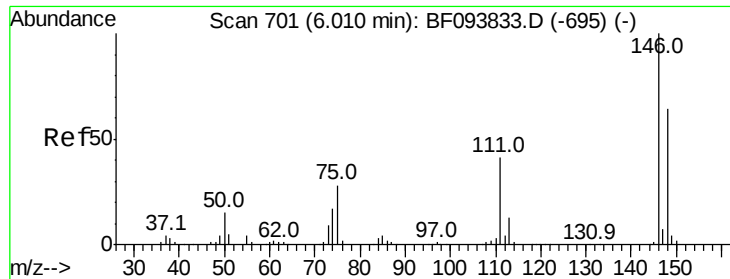
mohammad
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#12
1,3-Dichlorobenzene
Concen: 49.57 ng
RT: 5.79 min Scan# 663
Delta R.T. -0.01 min
Lab File: BF094238.D
Acq: 6 Apr 2017 19:50

Tgt Ion	146	Resp	613148
Ion Ratio	100	Lower	Upper
146	100		
148	63.2	51.8	77.6
75	30.3	23.1	34.7





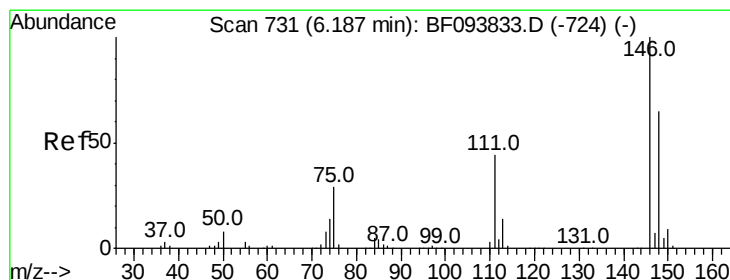
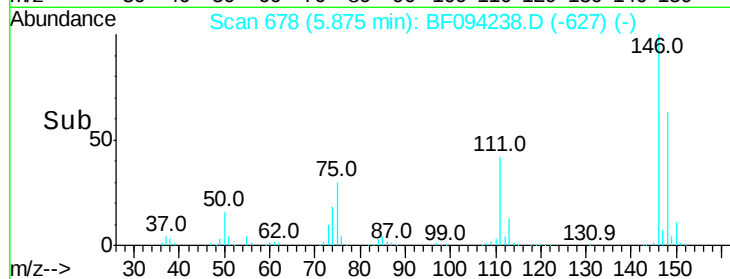
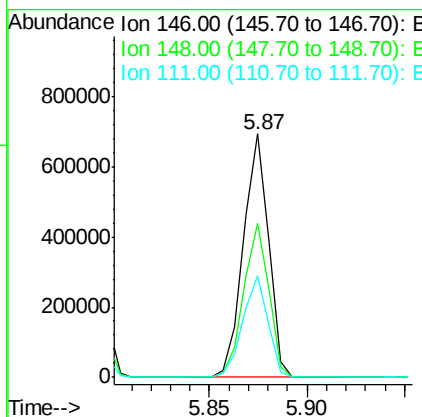
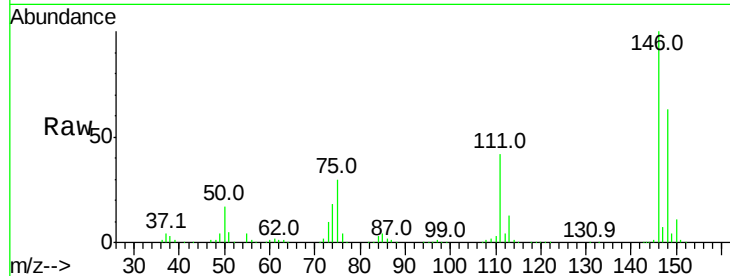
#13
 1,4-Dichlorobenzene
 Concen: 49.47 ng
 RT: 5.87 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: BF094238.D
 Acq: 6 Apr 2017 19:50

Instrument :
 BNA_F
 ClientSampleId :
 GP-B-02(10-15)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.4	52.2	78.2
111	41.5	30.3	45.5

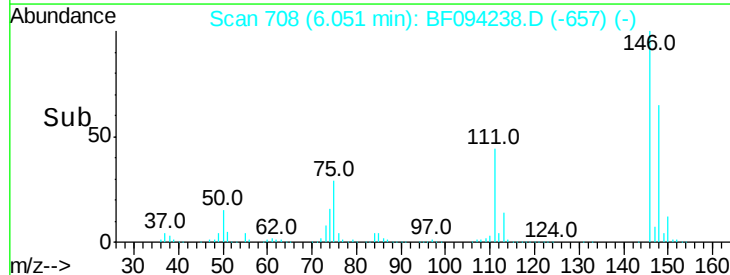
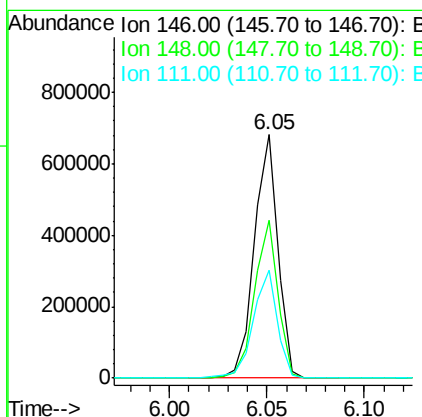
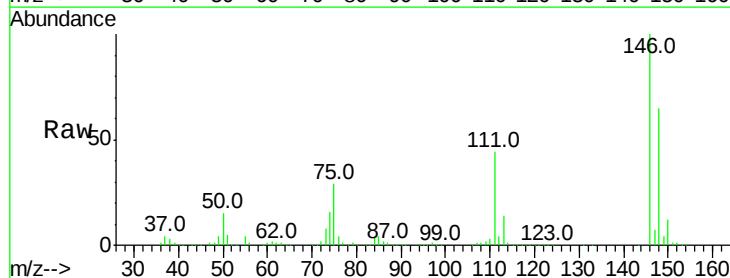
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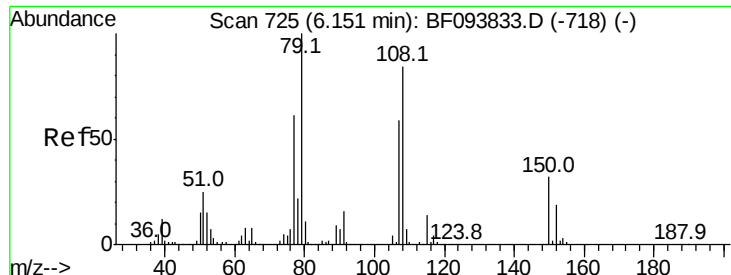
mohammad
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#14
 1,2-Dichlorobenzene
 Concen: 49.40 ng
 RT: 6.05 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: BF094238.D
 Acq: 6 Apr 2017 19:50

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.0	50.4	75.6
111	44.4	38.2	57.4





#15

Benzyl Alcohol

Concen: 53.07 ng

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: BF094238.D

Acq: 6 Apr 2017 19:50

Instrument :

BNA_F

ClientSampleId :

GP-B-02(10-15)MSD

Tot Ion: 79 Resp: 482086

Ion Ratio Lower Upper

79 100

108 80.8 63.4 95.0

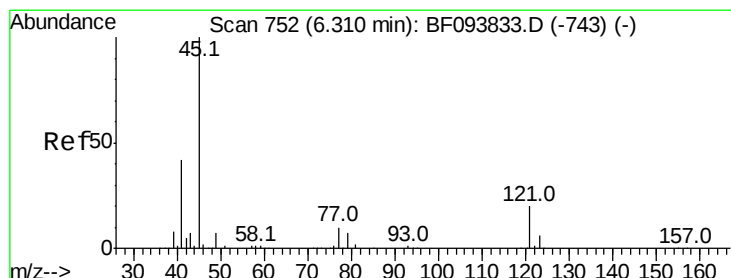
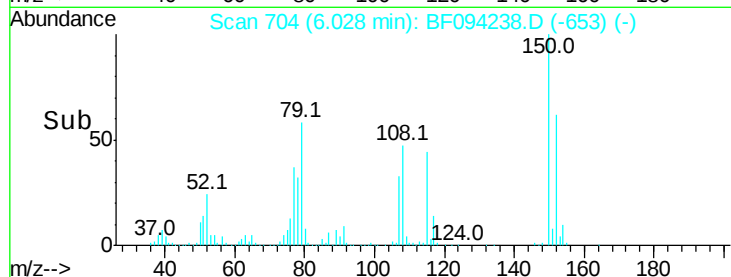
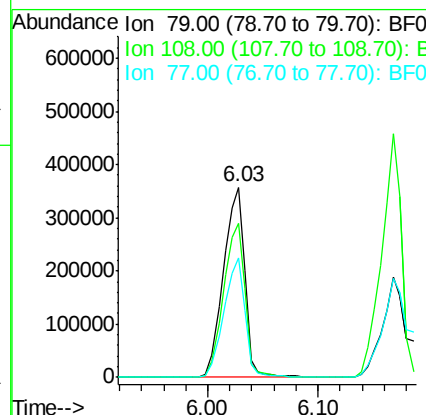
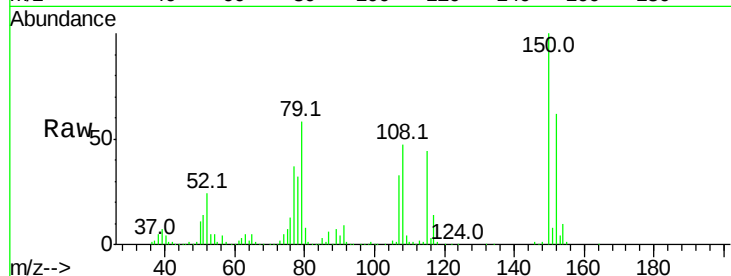
77 62.9 49.2 73.8

Manual Integrations

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#16

2,2'-oxybis(1-chloropropane)

Concen: 45.49 ng

RT: 6.19 min Scan# 731

Delta R.T. -0.00 min

Lab File: BF094238.D

Acq: 6 Apr 2017 19:50

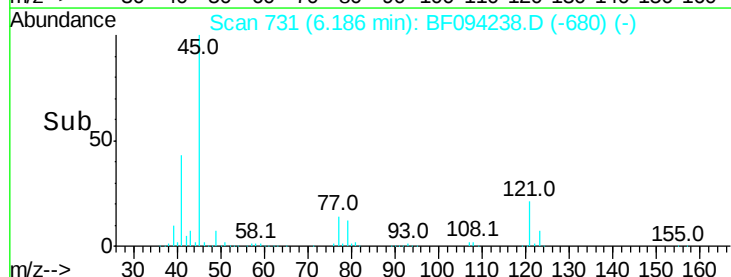
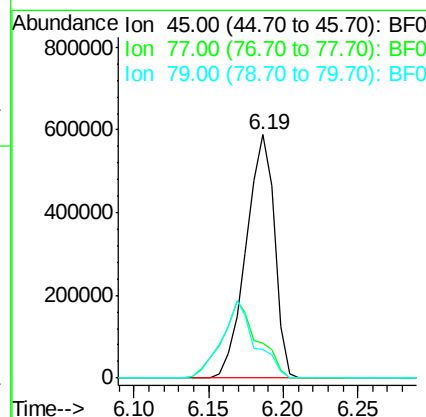
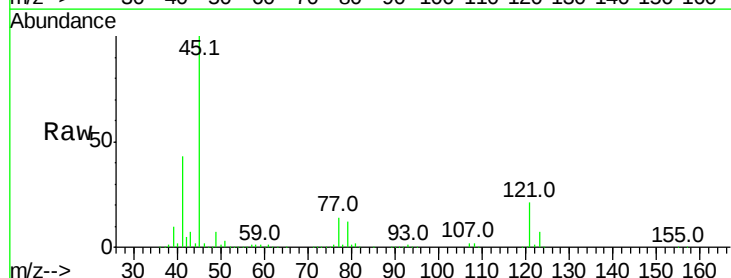
Tgt Ion: 45 Resp: 773689

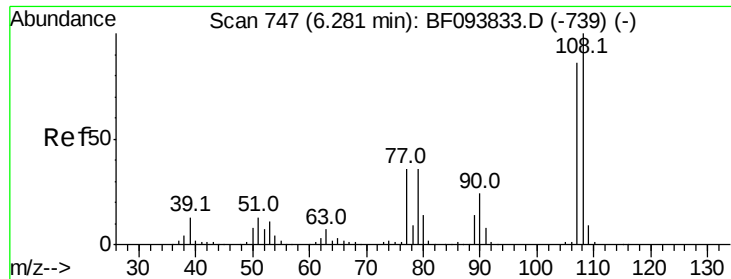
Ion Ratio Lower Upper

45 100

77 14.4 0.0 33.2

79 11.6 0.0 30.0





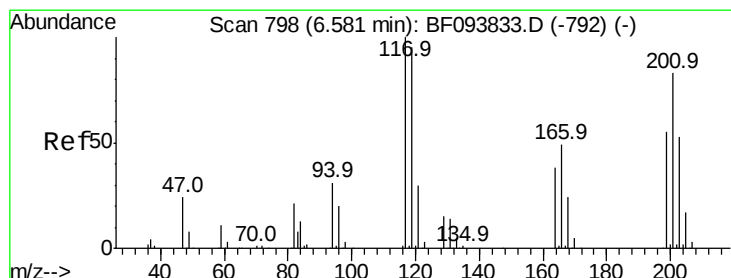
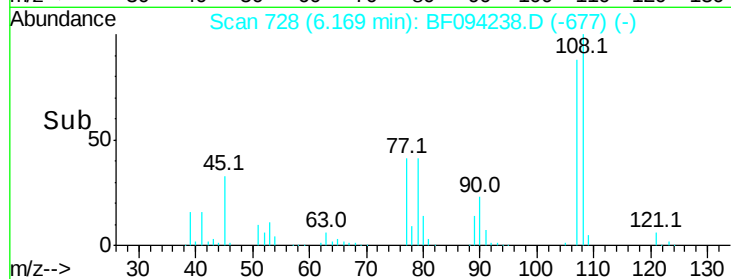
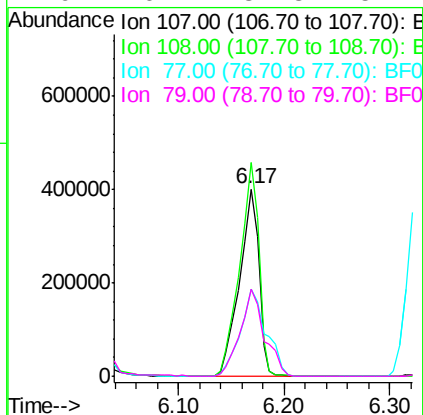
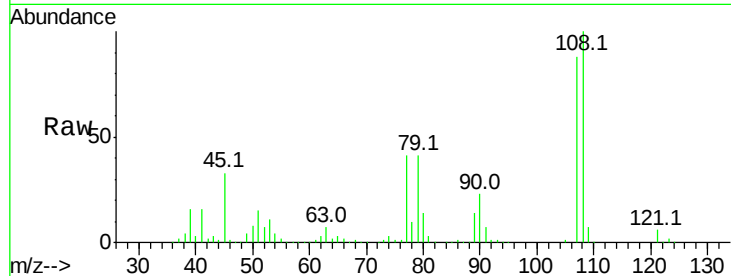
#17
2-Methylphenol
Concen: 53.32 ng
RT: 6.17 min Scan# 728
Delta R.T. -0.00 min
Lab File: BF094238.D
Acq: 6 Apr 2017 19:50

Instrument :
BNA_F
ClientSampleId :
GP-B-02(10-15)MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100	503544		
108	114.1		93.4	140.0
77	46.4		35.8	53.6
79	46.7		34.8	52.2

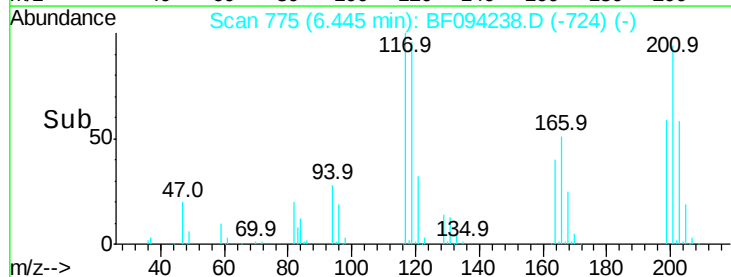
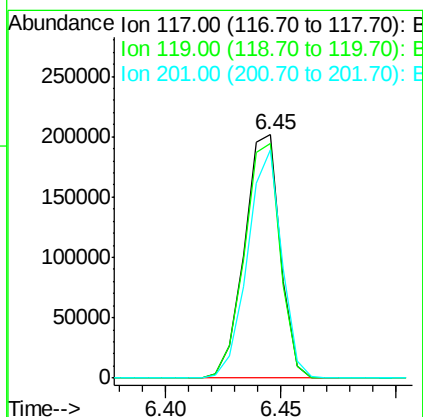
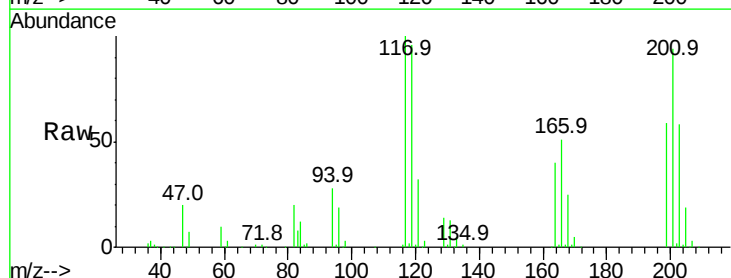
Manual Integrations
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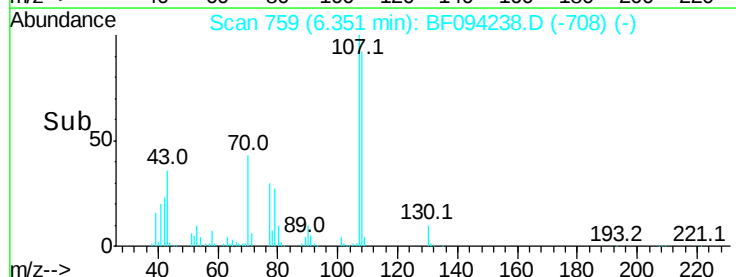
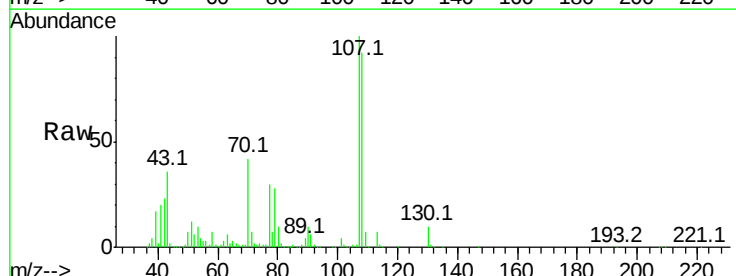
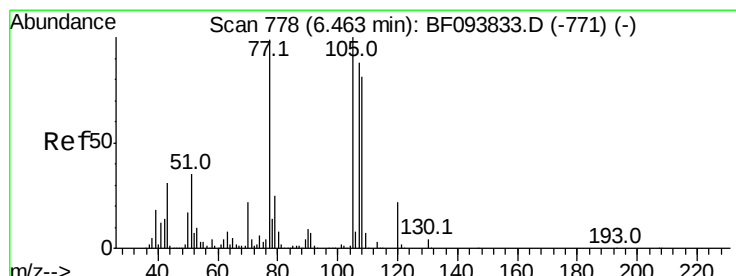
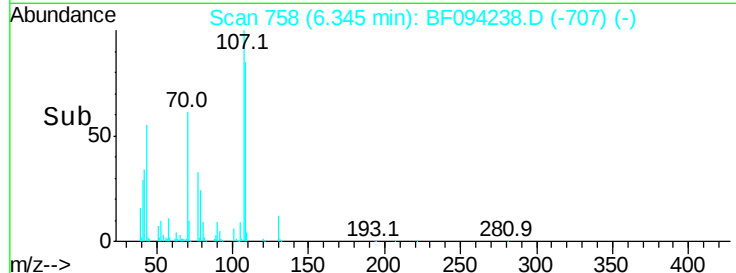
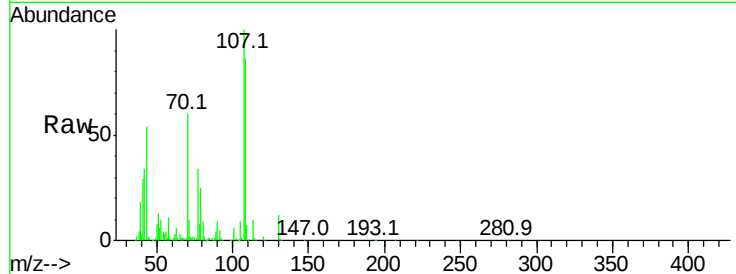
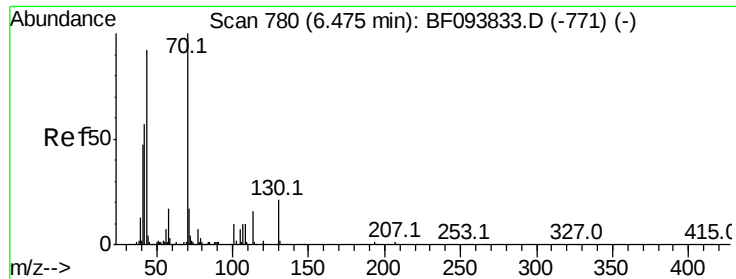
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#18
Hexachloroethane
Concen: 49.61 ng
RT: 6.45 min Scan# 775
Delta R.T. -0.00 min
Lab File: BF094238.D
Acq: 6 Apr 2017 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	218443		
119	96.3		77.4	116.0
201	93.8		94.6	141.8#





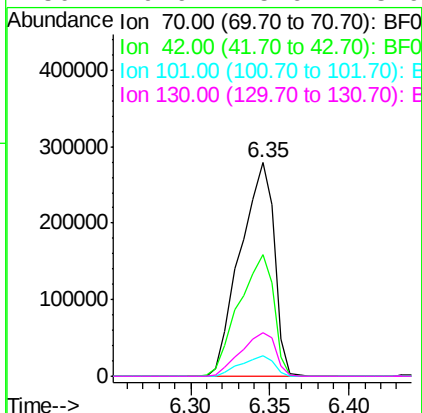
#19
n-Nitroso-di-n-propylamine
Concen: 52.03 ng
RT: 6.35 min Scan# 758
Delta R.T. -0.00 min
Lab File: BF094238.D
Acq: 6 Apr 2017 19:50

Instrument :
BNA_F
ClientSampleId :
GP-B-02(10-15)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	57.0	47.2	70.8		
101	9.8	7.2	10.8		
130	20.6	15.9	23.9		

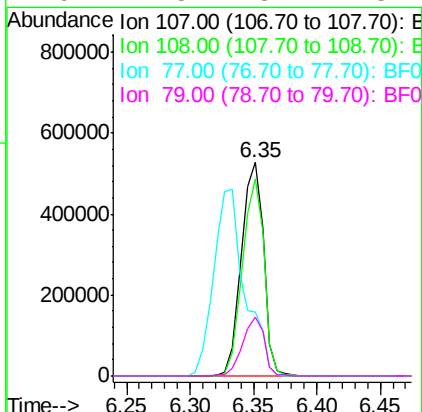
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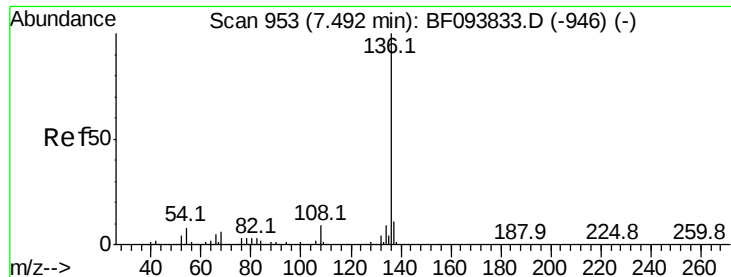
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#20
3+4-Methylphenols
Concen: 55.93 ng
RT: 6.35 min Scan# 759
Delta R.T. -0.00 min
Lab File: BF094238.D
Acq: 6 Apr 2017 19:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	92.5	71.0	111.0		
77	30.2	90.5	130.5#		
79	27.8	8.4	48.4		





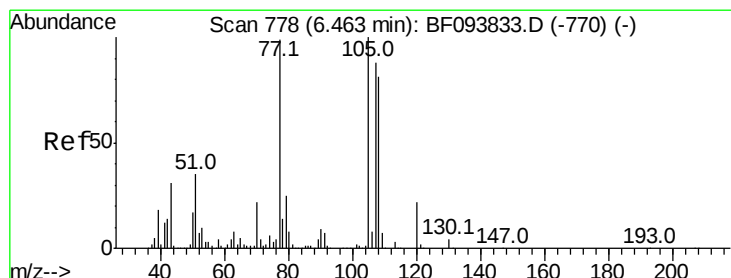
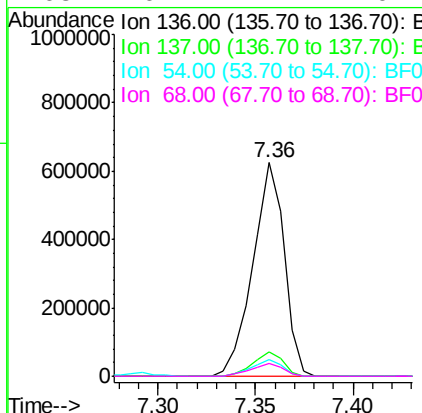
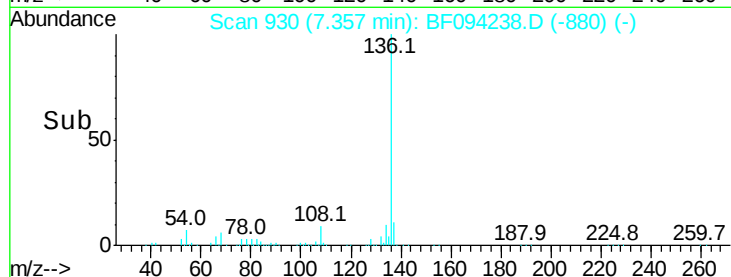
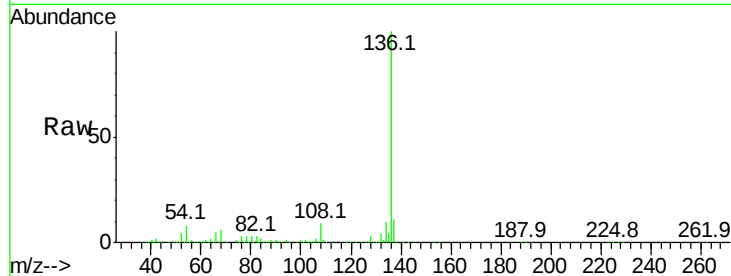
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.36 min Scan# 930
Delta R.T. -0.01 min
Lab File: BF094238.D
Acq: 6 Apr 2017 19:50

Instrument :
BNA_F
ClientSampleId :
GP-B-02(10-15)MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	697869		
137	11.2		8.5	12.7
54	7.5		4.9	7.3#
68	6.1		4.1	6.1

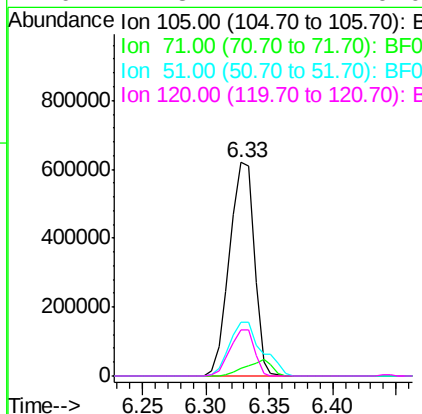
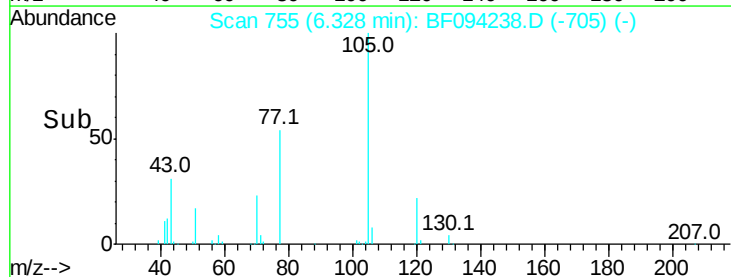
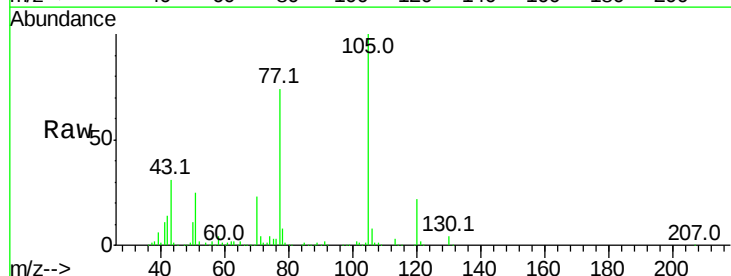
Manual Integrations
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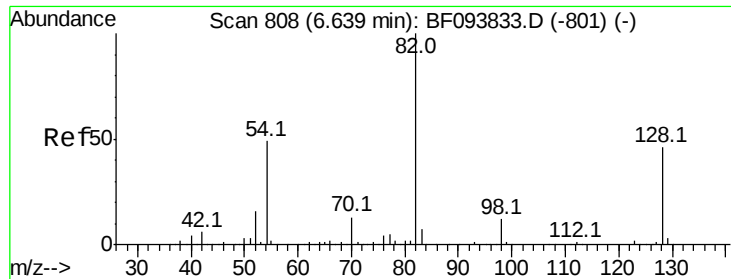
mohammad
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#22
Acetophenone
Concen: 53.82 ng
RT: 6.33 min Scan# 755
Delta R.T. -0.01 min
Lab File: BF094238.D
Acq: 6 Apr 2017 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	837169		
71	3.8		2.8	4.2
51	24.9		30.7	46.1#
120	21.8		17.4	26.0





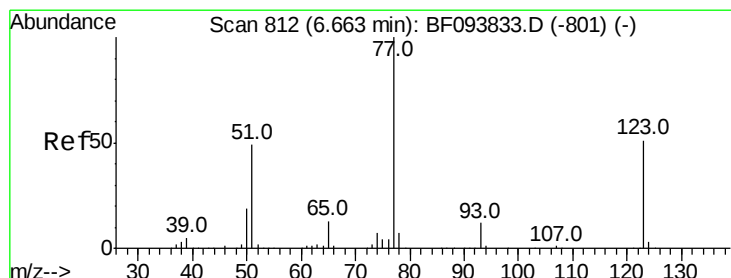
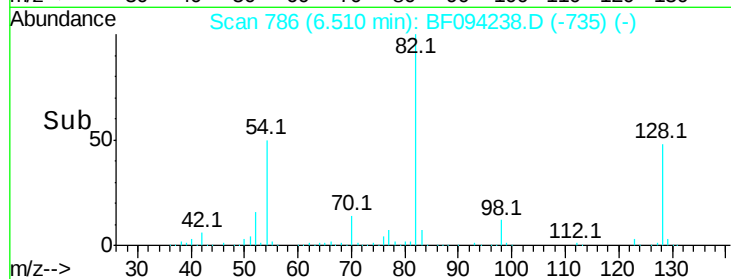
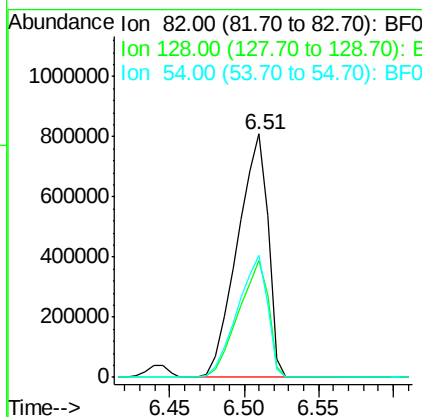
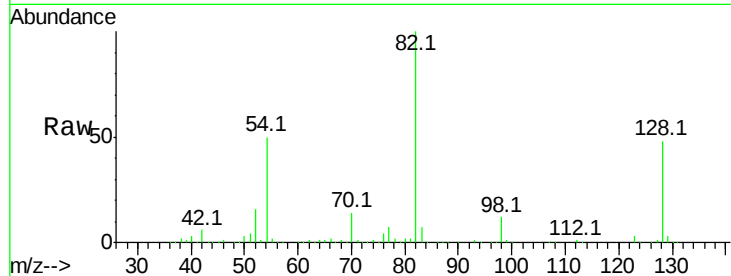
#23
 Nitrobenzene-d5
 Concen: 94.39 ng
 RT: 6.51 min Scan# 786
 Delta R.T. -0.00 min
 Lab File: BF094238.D
 Acq: 6 Apr 2017 19:50

Instrument :
 BNA_F
 ClientSampleId :
 GP-B-02(10-15)MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.0	34.0	51.0
54	50.3	42.2	63.2

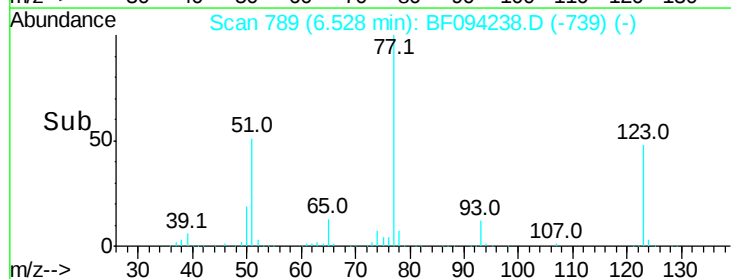
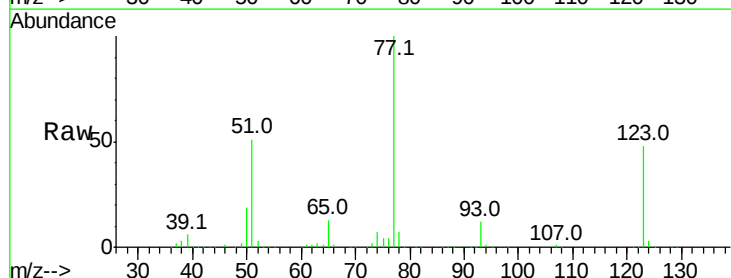
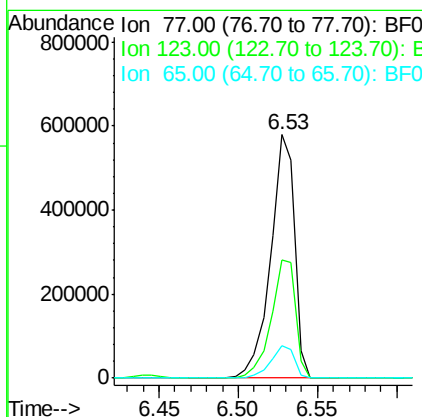
Manual Integrations
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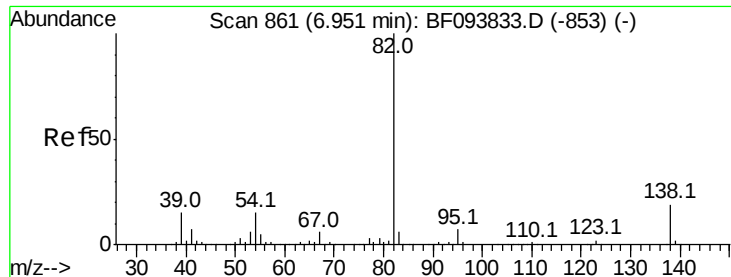
mohammad
 4/7/2017 5:21:04 PM



#24
 Nitrobenzene
 Concen: 50.78 ng
 RT: 6.53 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF094238.D
 Acq: 6 Apr 2017 19:50

Tgt Ion	Ratio	Lower	Upper
77	100		
123	48.4	35.8	53.8
65	13.3	10.6	15.8





#25

Isophorone

Concen: 52.73 ng

RT: 6.82 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF094238.D

Acq: 6 Apr 2017 19:50

Instrument :

BNA_F

ClientSampleId :

GP-B-02(10-15)MSD

Tot Ion: 82 Resp: 1133081

Ion Ratio Lower Upper

82 100

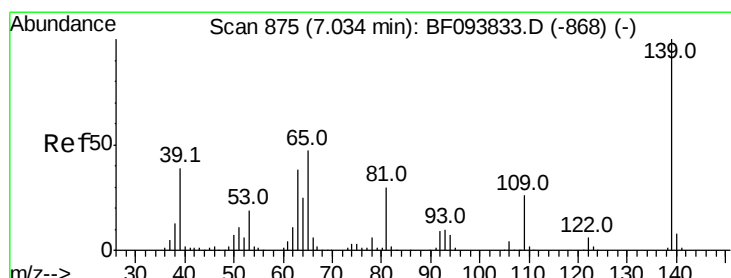
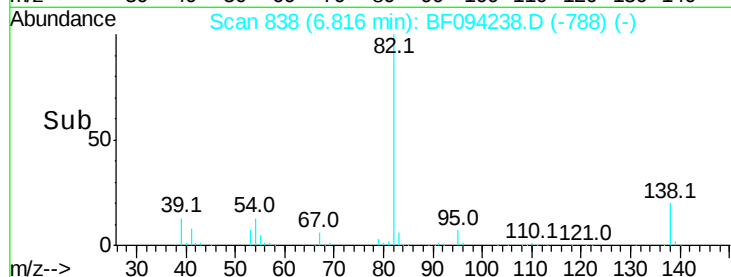
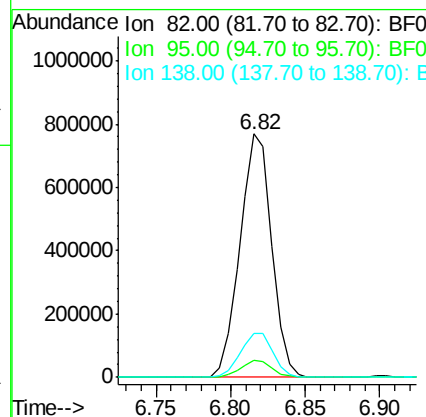
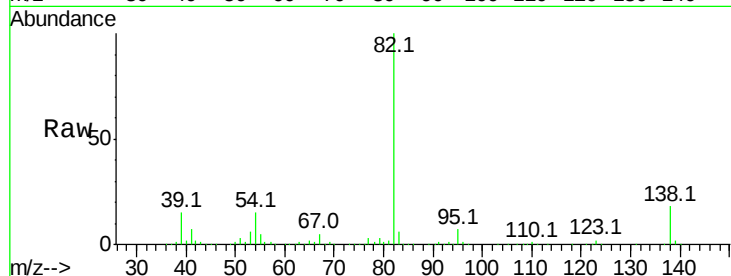
95 6.8 5.3 7.9

138 18.3 13.1 19.7

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#26

2-Nitrophenol

Concen: 59.59 ng

RT: 6.90 min Scan# 853

Delta R.T. -0.00 min

Lab File: BF094238.D

Acq: 6 Apr 2017 19:50

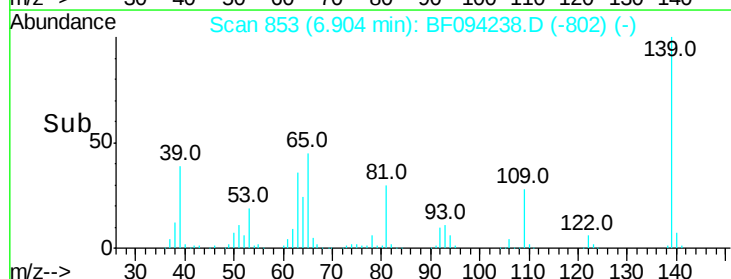
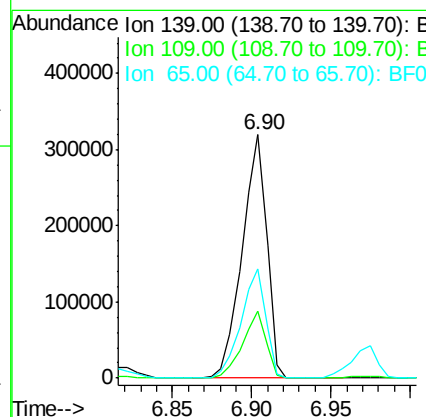
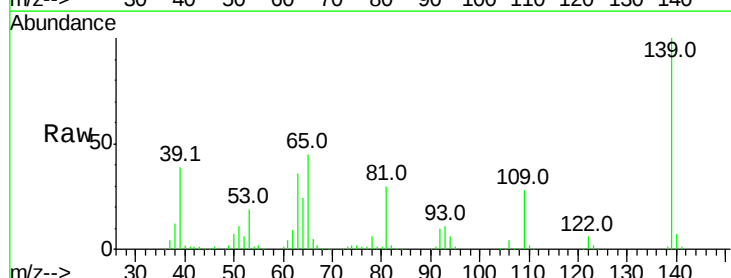
Tgt Ion:139 Resp: 342715

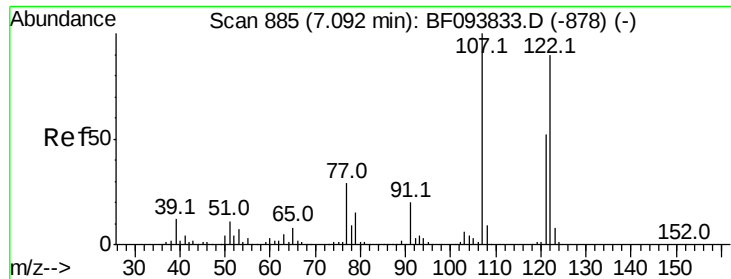
Ion Ratio Lower Upper

139 100

109 27.6 21.0 31.6

65 44.6 33.0 49.6





#27

2,4-Dimethylphenol

Concen: 55.94 ng

RT: 6.97 min Scan# 865

Delta R.T. -0.00 min

Lab File: BF094238.D

Acq: 6 Apr 2017 19:50

Instrument :

BNA_F

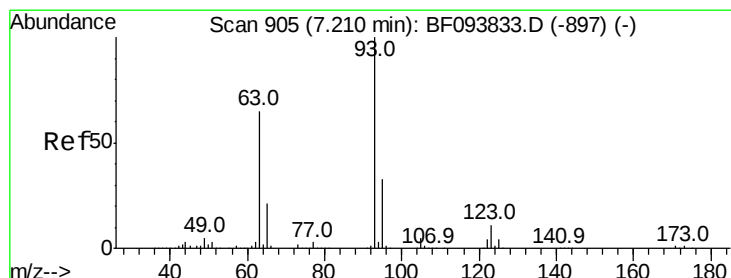
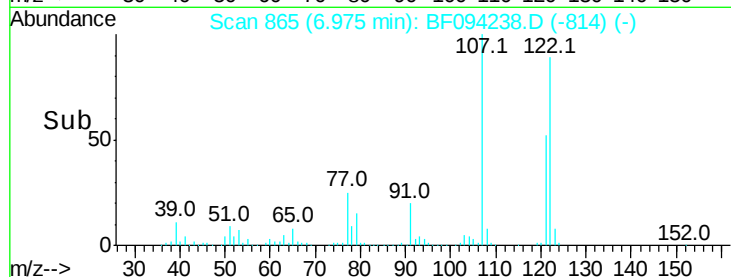
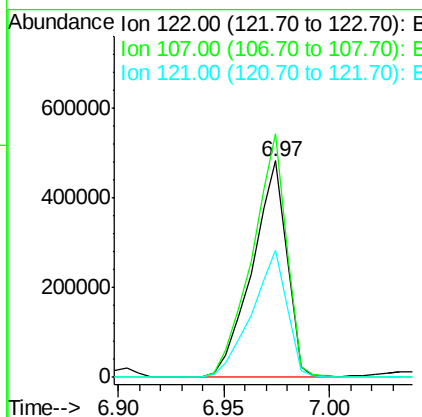
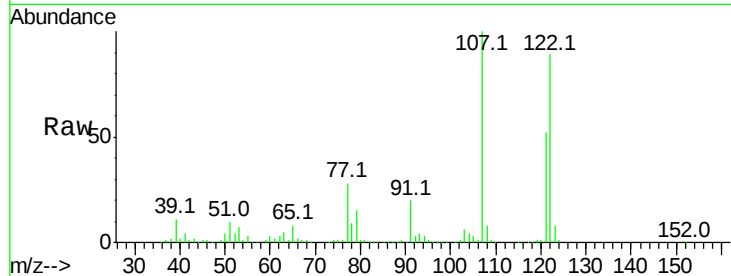
ClientSampleId :

GP-B-02(10-15)MSD

Tot Ion:	122	Resp:	554396
Ion Ratio	Lower	Upper	
122	100		
107	112.4	89.2	133.8
121	58.7	45.2	67.8

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#28

bis(2-Chloroethoxy)methane

Concen: 51.36 ng

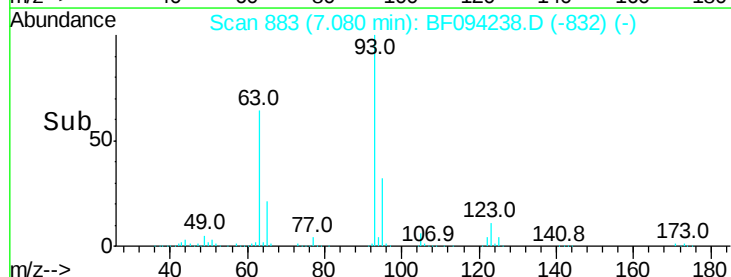
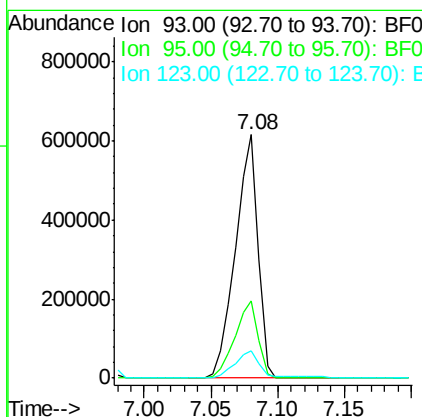
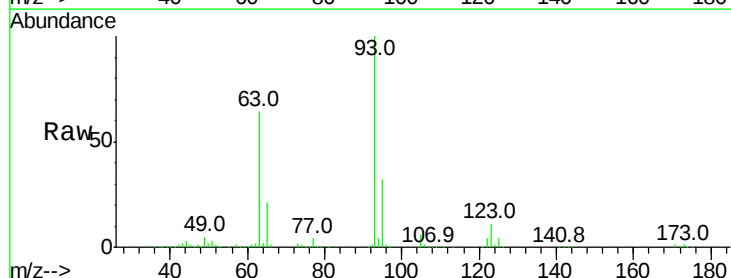
RT: 7.08 min Scan# 883

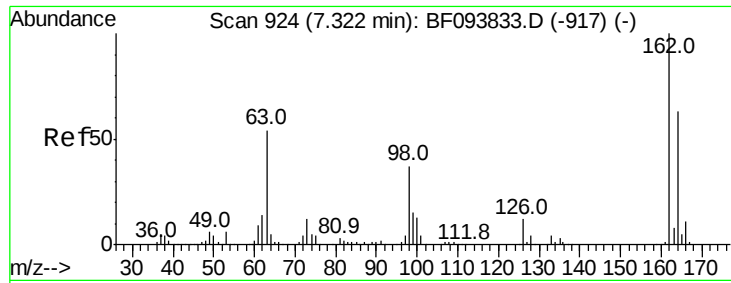
Delta R.T. -0.00 min

Lab File: BF094238.D

Acq: 6 Apr 2017 19:50

Tgt Ion:	93	Resp:	727832
Ion Ratio	Lower	Upper	
93	100		
95	31.8	26.5	39.7
123	11.4	9.0	13.4





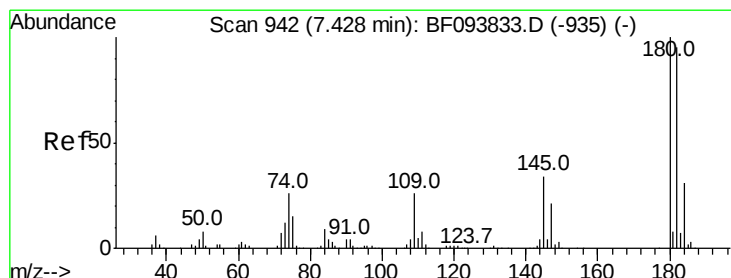
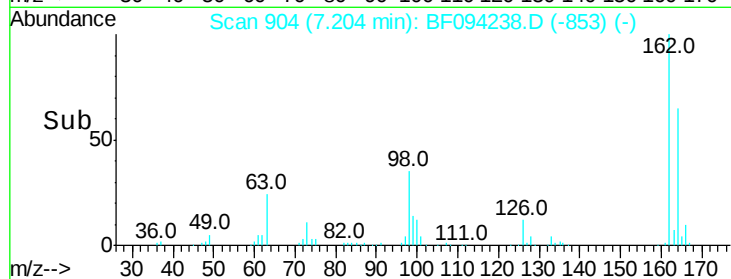
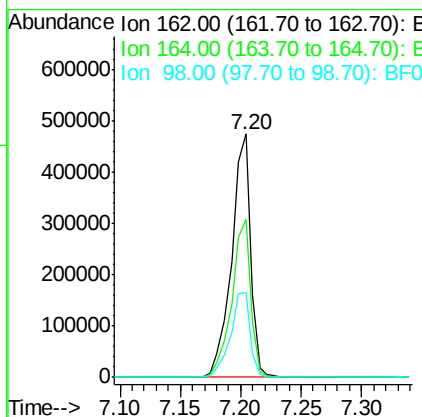
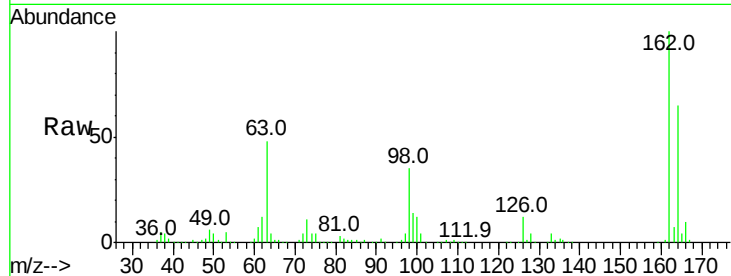
#29
 2,4-Dichlorophenol
 Concen: 56.47 ng
 RT: 7.20 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BF094238.D
 Acq: 6 Apr 2017 19:50

Instrument :
 BNA_F
 ClientSampleId :
 GP-B-02(10-15)MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	523254		
164	65.0		44.6	84.6
98	35.1		14.8	54.8

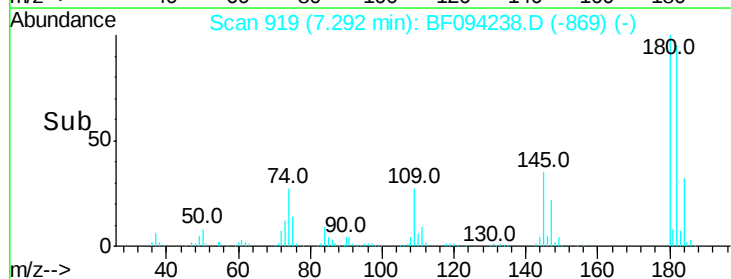
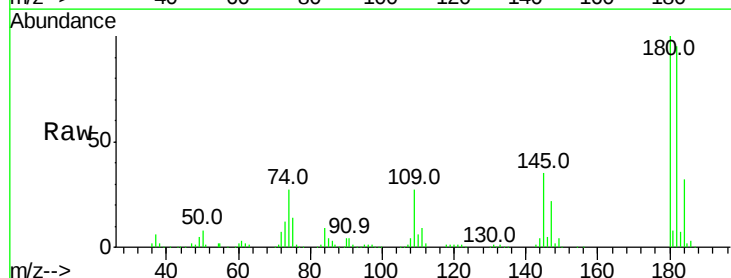
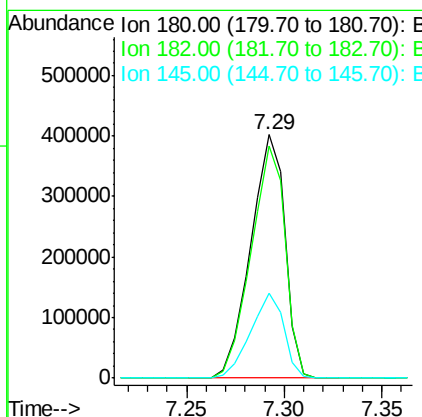
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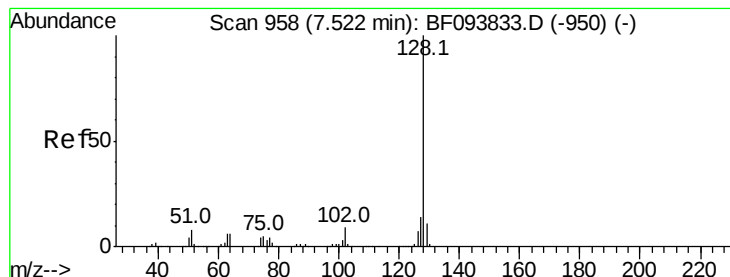
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#30
 1,2,4-Trichlorobenzene
 Concen: 51.15 ng
 RT: 7.29 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: BF094238.D
 Acq: 6 Apr 2017 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	488124		
182	95.2		75.8	113.6
145	34.7		25.3	37.9





#31

Naphthalene

Concen: 49.82 ng

RT: 7.39 min Scan# 935

Delta R.T. -0.00 min

Lab File: BF094238.D

Acq: 6 Apr 2017 19:50

Instrument :

BNA_F

ClientSampleId :

GP-B-02(10-15)MSD

Tot Ion:128 Resp: 1671880

Ion Ratio Lower Upper

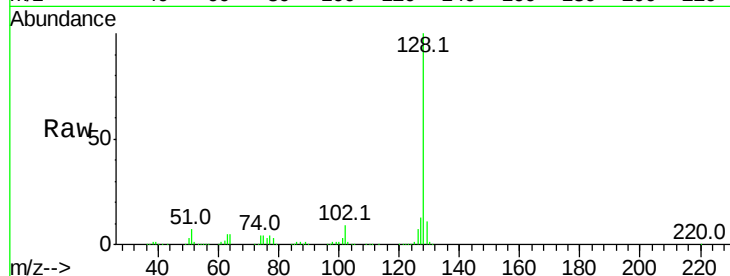
128 100

129 11.2 9.0 13.6

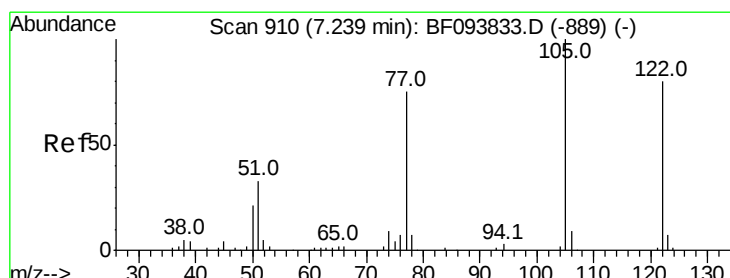
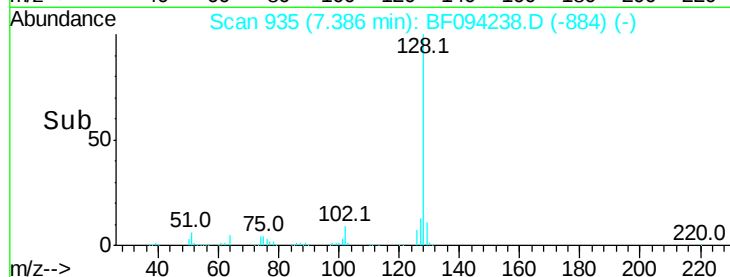
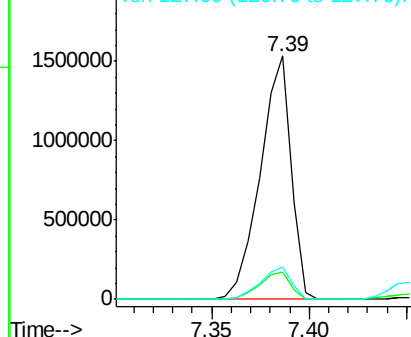
127 13.4 10.8 16.2

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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: 32.18 ng

RT: 7.13 min Scan# 891

Delta R.T. -0.02 min

Lab File: BF094238.D

Acq: 6 Apr 2017 19:50

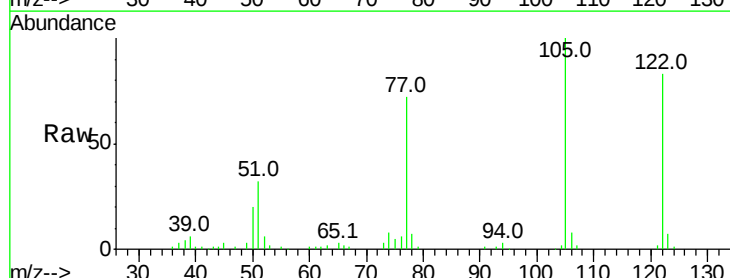
Tgt Ion:122 Resp: 212324

Ion Ratio Lower Upper

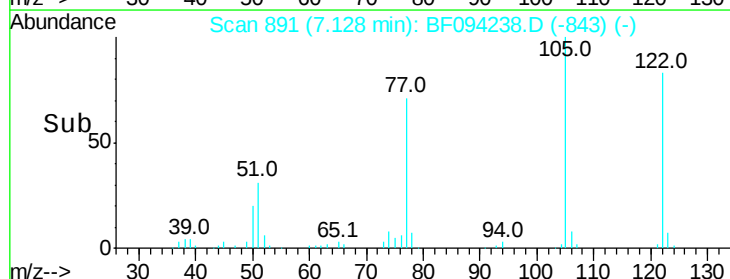
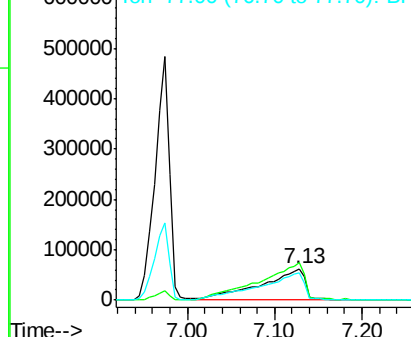
122 100

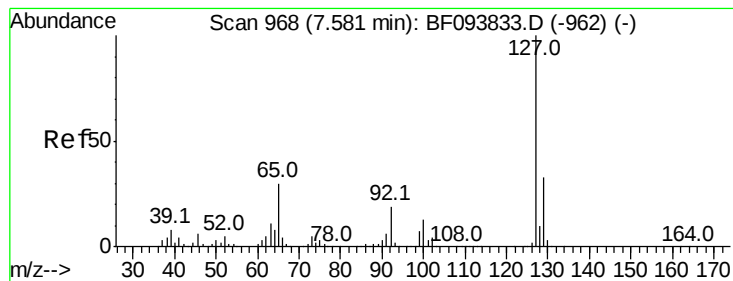
105 119.9 103.3 143.3

77 86.4 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





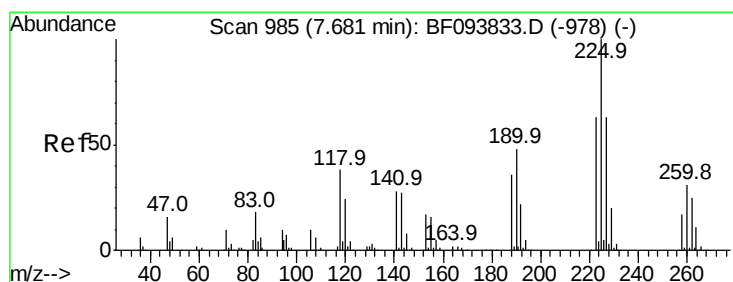
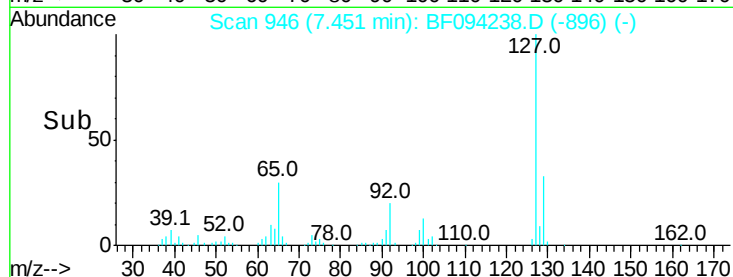
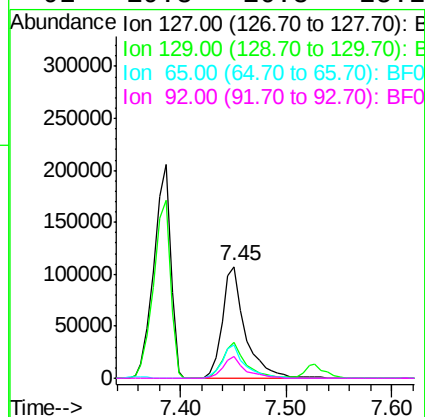
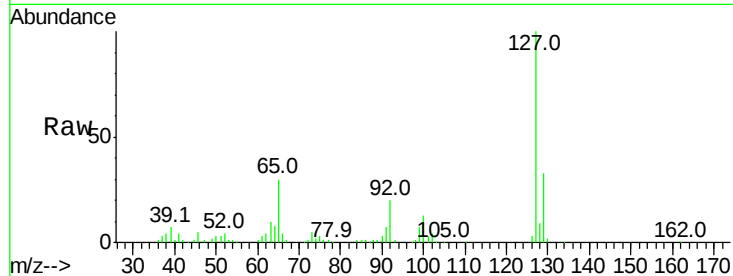
#33
4-Chloroaniline
Concen: 11.93 ng
RT: 7.45 min Scan# 946
Delta R.T. -0.01 min
Lab File: BF094238.D
Acq: 6 Apr 2017 19:50

Instrument :
BNA_F
ClientSampleId :
GP-B-02(10-15)MSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.7	26.2	39.2	
65	29.9	27.8	41.8	
92	19.8	16.8	25.2	

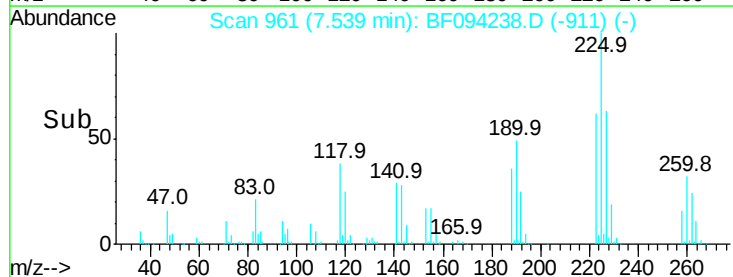
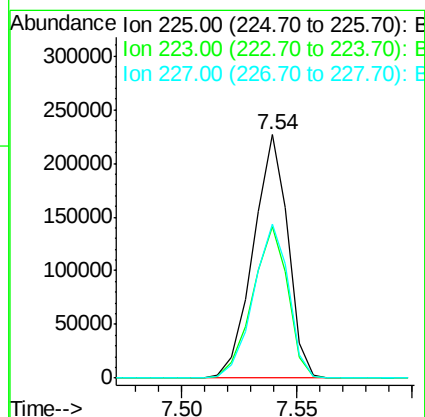
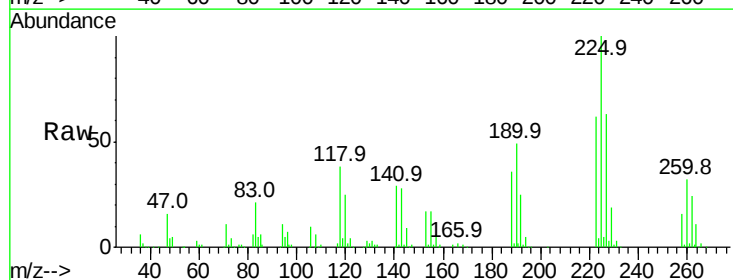
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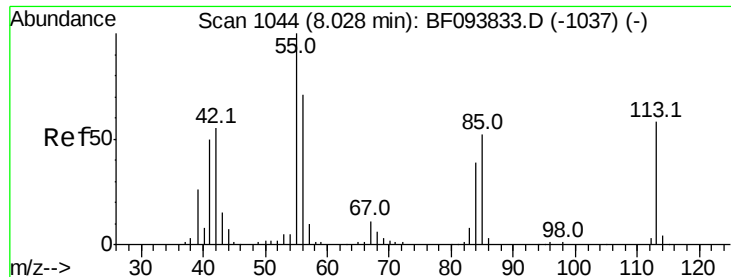
mohammad
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#34
Hexachlorobutadiene
Concen: 48.44 ng
RT: 7.54 min Scan# 961
Delta R.T. -0.01 min
Lab File: BF094238.D
Acq: 6 Apr 2017 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.4	48.8	73.2	
227	63.1	51.1	76.7	





#35

Caprolactam

Concen: 61.03 ng/mL

RT: 7.91 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BF094238.D

Acq: 6 Apr 2017 19:50

Instrument :

BNA_F

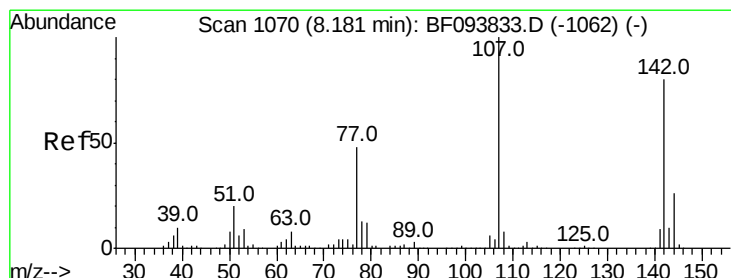
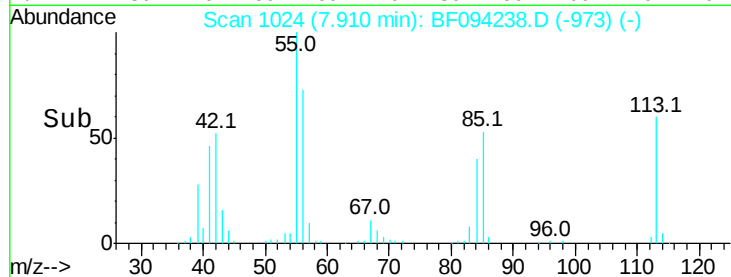
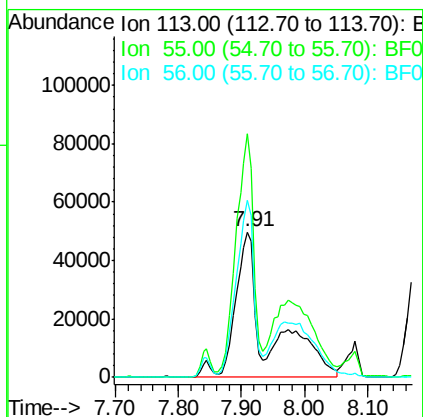
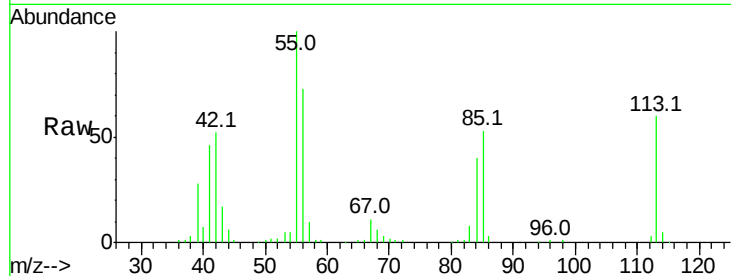
ClientSampleId :

GP-B-02(10-15)MSD

Tot Ion:	113	Resp:	180343
Ion Ratio	Lower	Upper	
113	100		
55	167.4	150.2	190.2
56	121.5	107.8	147.8

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#36

4-Chloro-3-methylphenol

Concen: 59.16 ng/mL

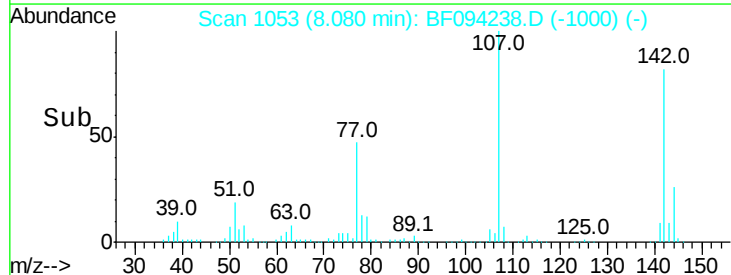
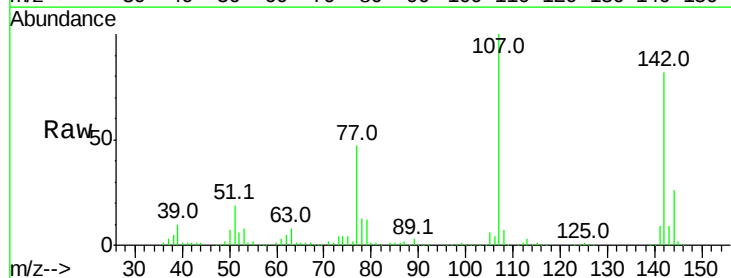
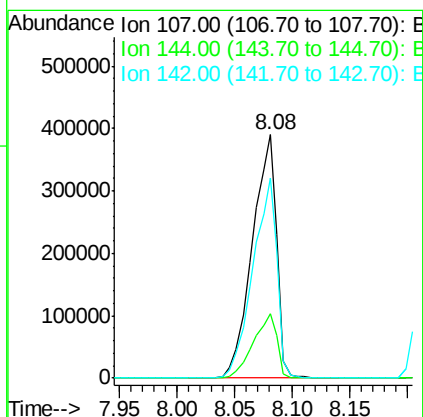
RT: 8.08 min Scan# 1053

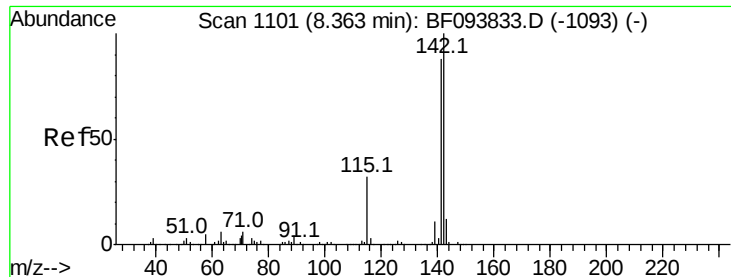
Delta R.T. 0.01 min

Lab File: BF094238.D

Acq: 6 Apr 2017 19:50

Tgt Ion:	107	Resp:	572837
Ion Ratio	Lower	Upper	
107	100		
144	26.2	24.2	36.4
142	82.0	73.4	110.0





#37

2-Methylnaphthalene

Concen: 52.28 ng

RT: 8.23 min Scan# 1078

Delta R.T. -0.00 min

Lab File: BF094238.D

Acq: 6 Apr 2017 19:50

Instrument :

BNA_F

ClientSampleId :

GP-B-02(10-15)MSD

Tot Ion:142 Resp: 1169516

Ion Ratio Lower Upper

142 100

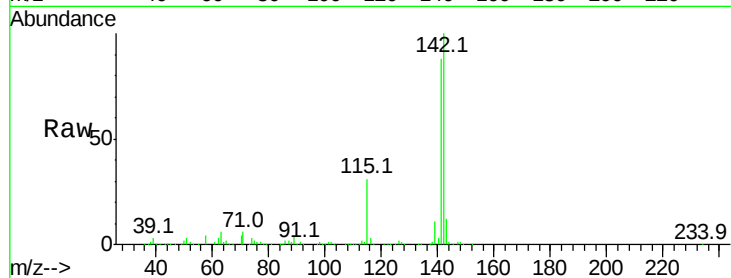
141 87.8 71.3 106.9

115 31.4 27.1 40.7

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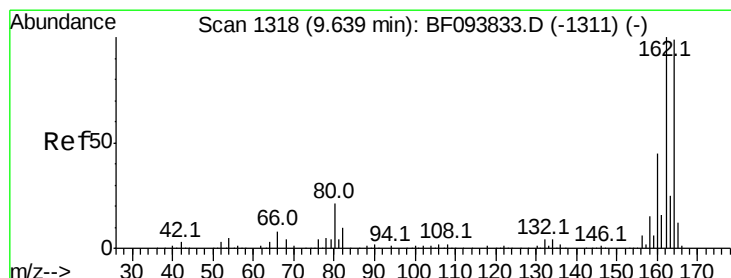
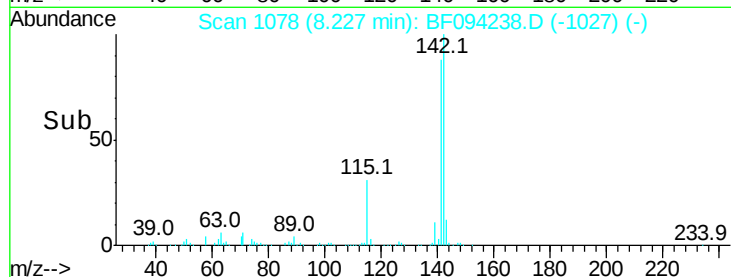
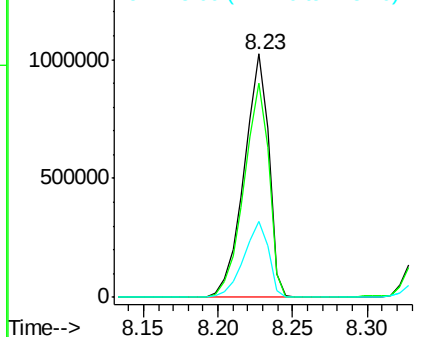
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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.50 min Scan# 1294

Delta R.T. -0.00 min

Lab File: BF094238.D

Acq: 6 Apr 2017 19:50

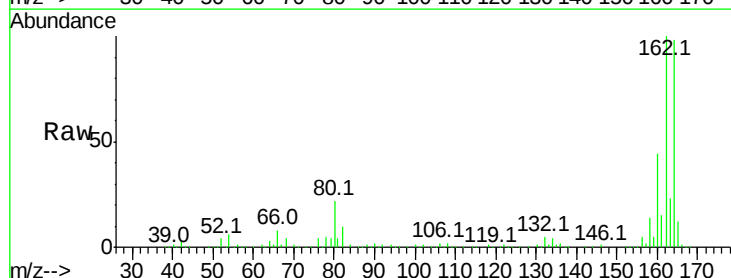
Tgt Ion:164 Resp: 327371

Ion Ratio Lower Upper

164 100

162 102.1 82.6 123.8

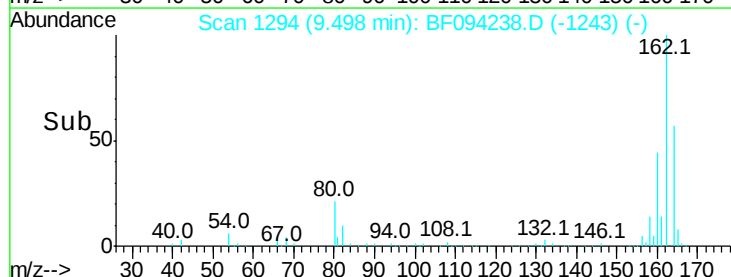
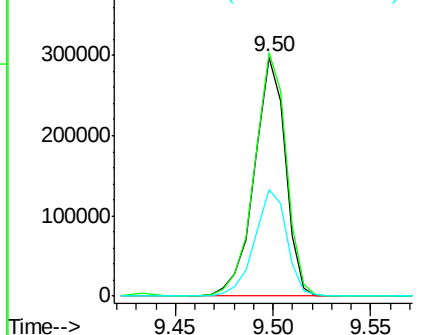
160 45.0 36.2 54.2

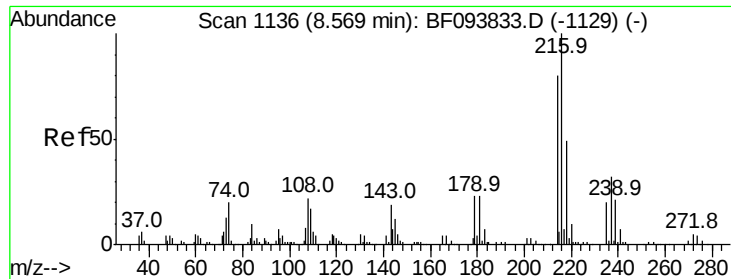


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





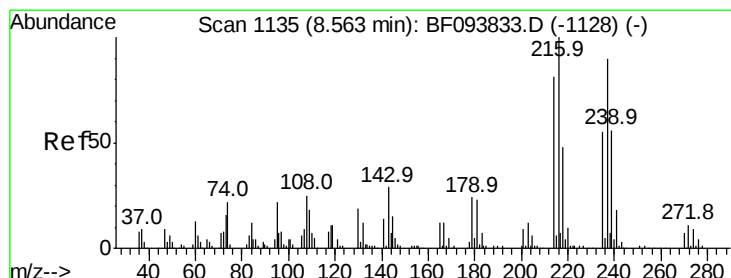
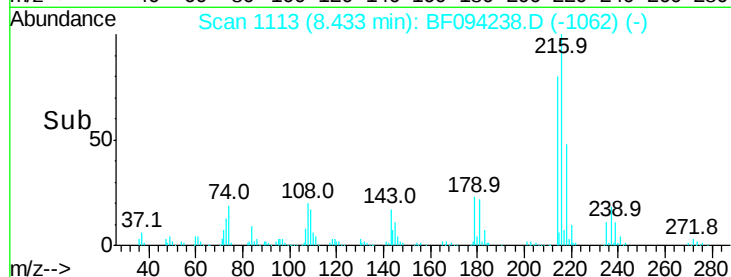
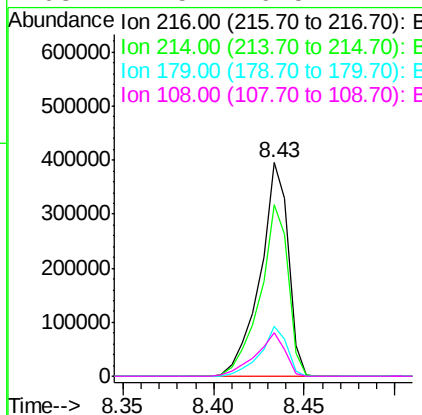
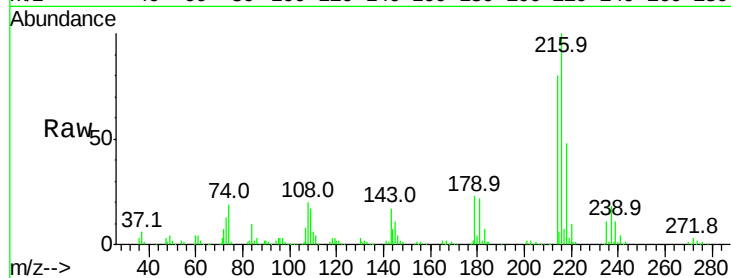
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 47.63 ng
 RT: 8.43 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: BF094238.D
 Acq: 6 Apr 2017 19:50

Instrument :
 BNA_F
 ClientSampleId :
 GP-B-02(10-15)MSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100	426537		
214	79.8	63.4	95.2	
179	22.4	17.9	26.9	
108	21.5	16.5	24.7	

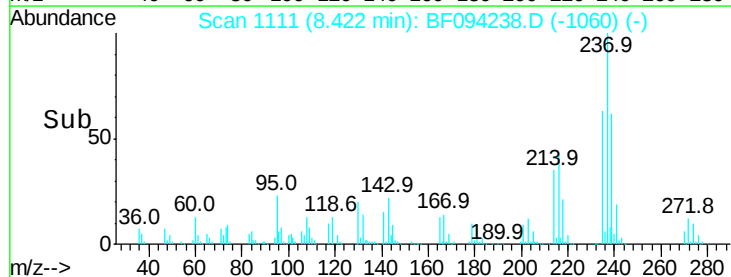
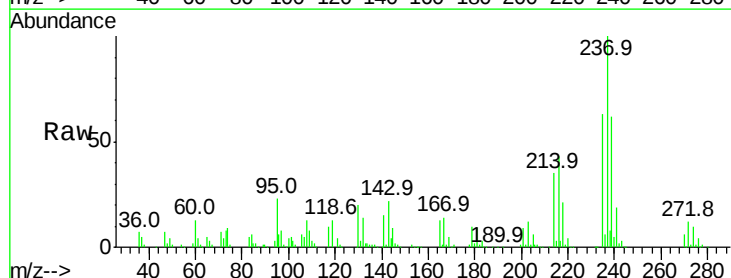
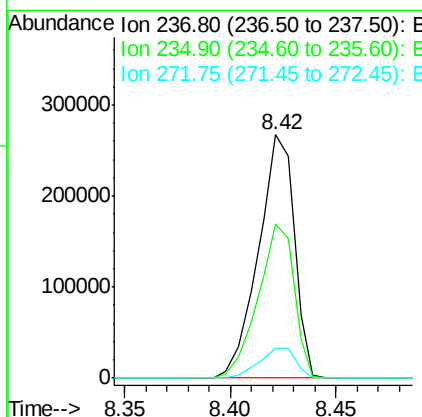
Manual Integrations
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#40
 Hexachlorocyclopentadiene
 Concen: 75.67 ng
 RT: 8.42 min Scan# 1111
 Delta R.T. -0.00 min
 Lab File: BF094238.D
 Acq: 6 Apr 2017 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	317130		
235	63.2	42.6	82.6	
272	12.3	0.0	31.9	





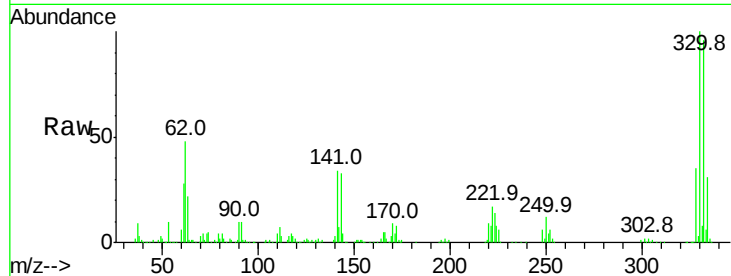
#41
 2,4,6-Tribromophenol
 Concen: 156.26 ng
 RT: 10.48 min Scan# 1461
 Delta R.T. 0.01 min
 Lab File: BF094238.D
 Acq: 6 Apr 2017 19:50

Instrument :
 BNA_F
 ClientSampleId :
 GP-B-02(10-15)MSD

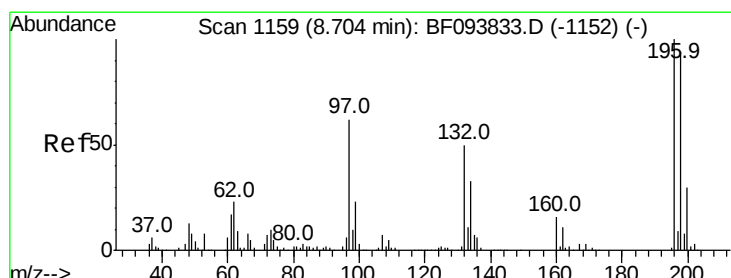
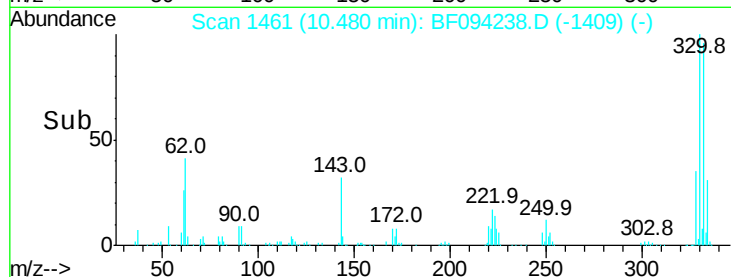
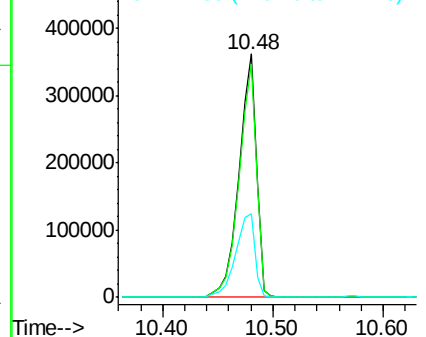
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.3	76.6	115.0	
141	38.0	31.4	47.2	

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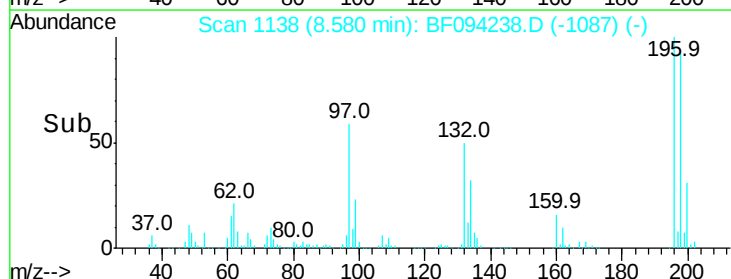
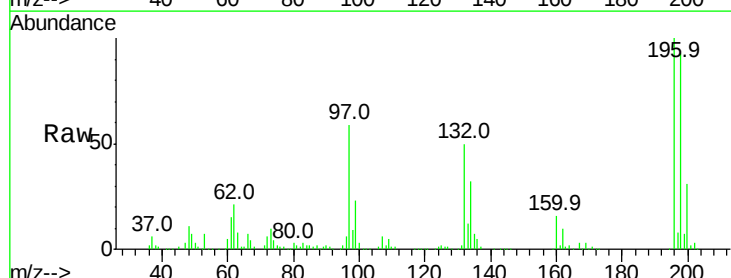
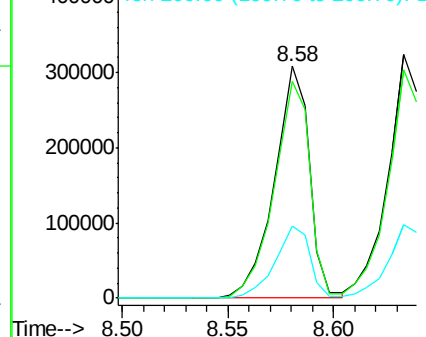
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



#42
 2,4,6-Trichlorophenol
 Concen: 56.11 ng
 RT: 8.58 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: BF094238.D
 Acq: 6 Apr 2017 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	93.4	74.2	111.4	
200	31.0	24.0	36.0	

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





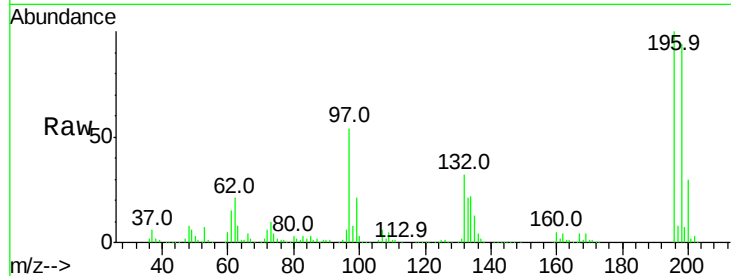
#43
 2,4,5-Trichlorophenol
 Concen: 52.63 ng
 RT: 8.63 min Scan# 1147
 Delta R.T. 0.01 min
 Lab File: BF094238.D
 Acq: 6 Apr 2017 19:50

Instrument :
 BNA_F
 ClientSampleId :
 GP-B-02(10-15)MSD

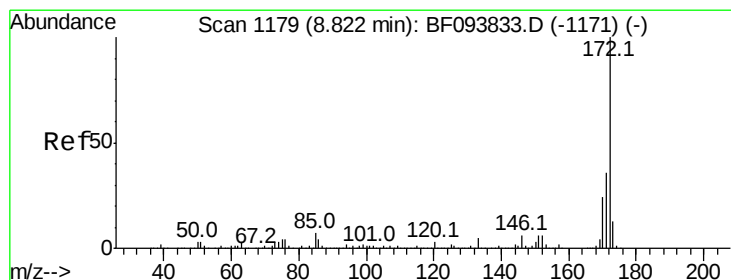
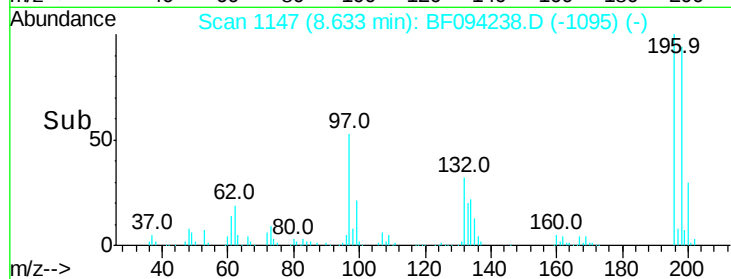
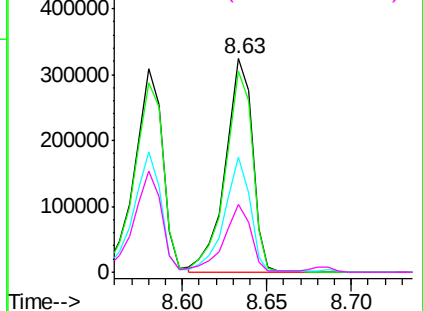
Tot Ion	196	Resp	360864
Ion Ratio	Lower	Upper	
196	100		
198	93.9	75.7	113.5
97	53.7	47.7	71.5
132	32.0	28.0	42.0

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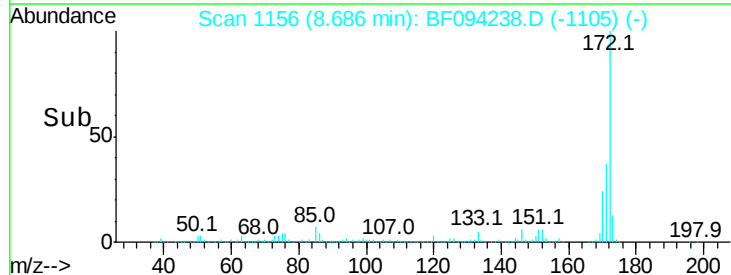
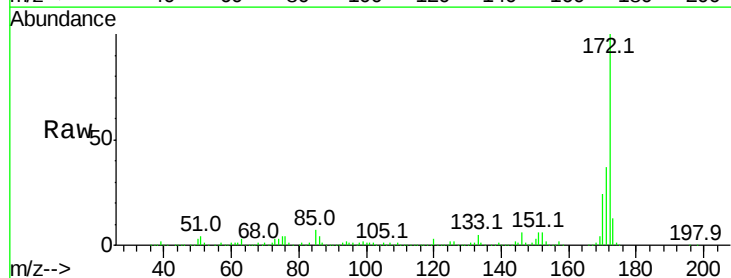
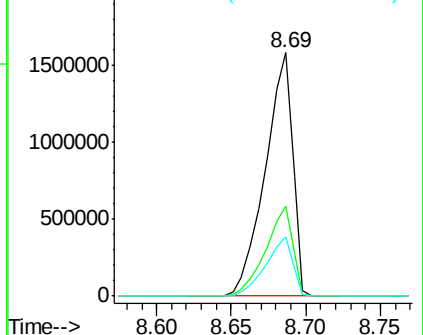
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

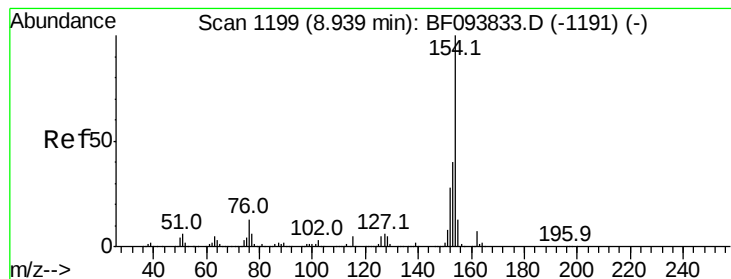


#44
 2-Fluorobiphenyl
 Concen: 93.61 ng
 RT: 8.69 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: BF094238.D
 Acq: 6 Apr 2017 19:50

Tgt Ion	172	Resp	2009182
Ion Ratio	Lower	Upper	
172	100		
171	37.0	29.6	44.4
170	24.2	19.8	29.8

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 48.07 ng

RT: 8.80 min Scan# 1176

Delta R.T. -0.00 min

Lab File: BF094238.D

Acq: 6 Apr 2017 19:50

Instrument :

BNA_F

ClientSampleId :

GP-B-02(10-15)MSD

Tot Ion:154 Resp: 1269284

Ion Ratio Lower Upper

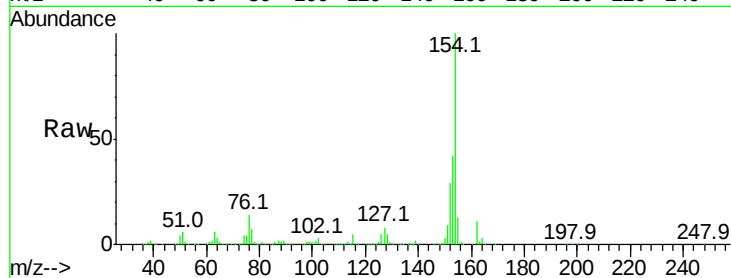
154 100

153 41.5 21.2 61.2

76 13.5 0.0 29.9

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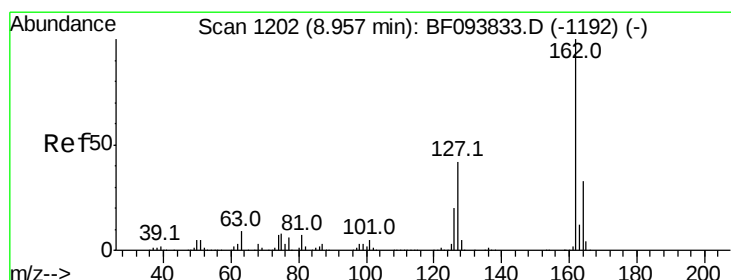
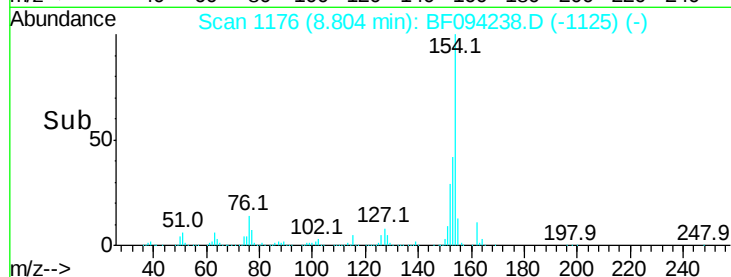
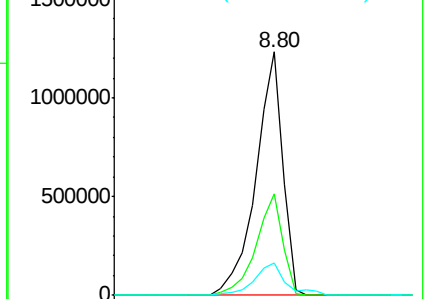
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 49.34 ng

RT: 8.82 min Scan# 1179

Delta R.T. -0.00 min

Lab File: BF094238.D

Acq: 6 Apr 2017 19:50

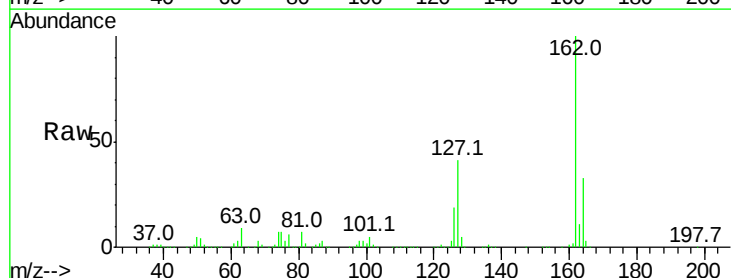
Tgt Ion:162 Resp: 1019820

Ion Ratio Lower Upper

162 100

127 41.3 28.3 42.5

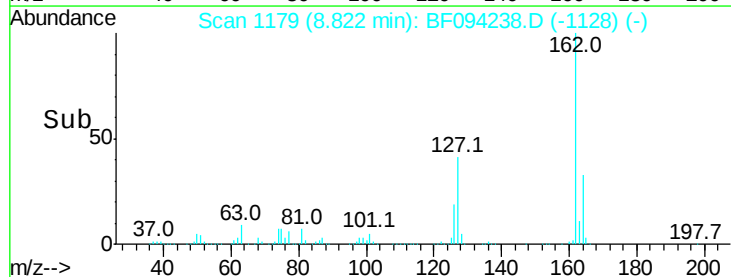
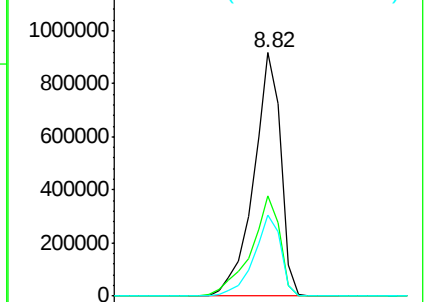
164 33.5 27.0 40.4

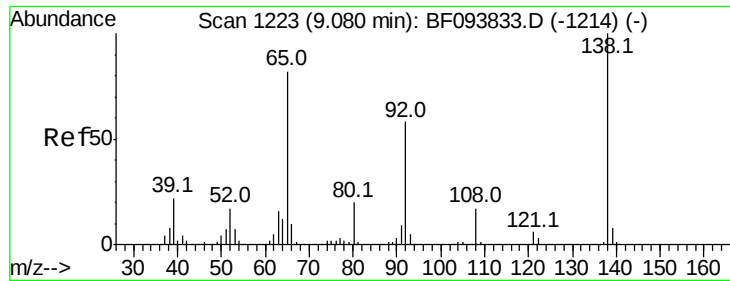


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





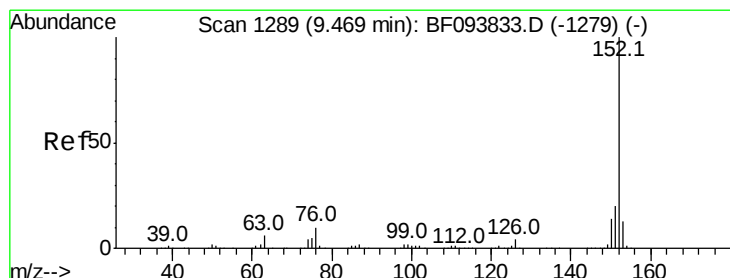
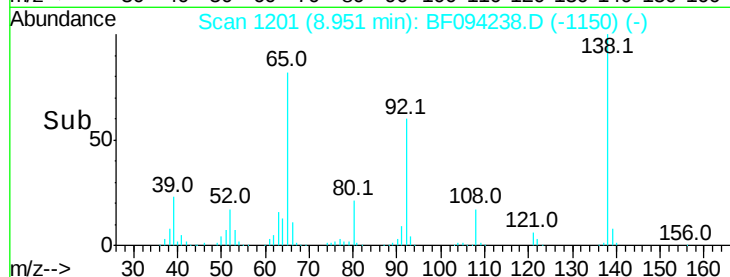
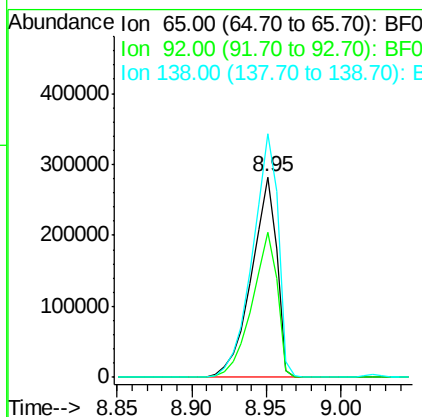
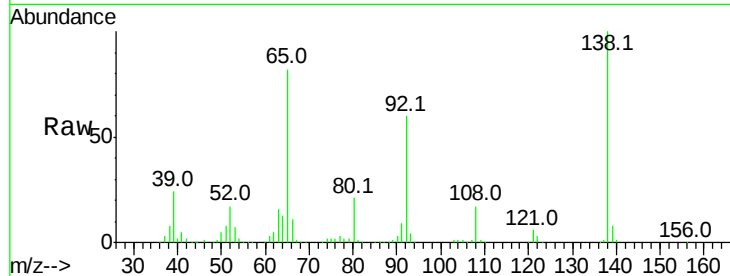
#47
2-Nitroaniline
Concen: 53.74 ng
RT: 8.95 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BF094238.D
Acq: 6 Apr 2017 19:50

Instrument :
BNA_F
ClientSampleId :
GP-B-02(10-15)MSD

Tot Ion: 65 Resp: 329495
Ion Ratio Lower Upper
65 100
92 72.6 53.9 80.9
138 121.4 78.8 118.2#

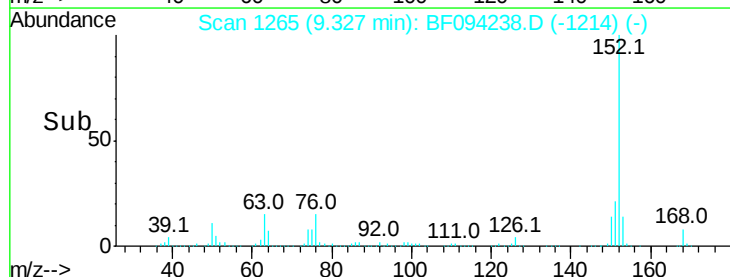
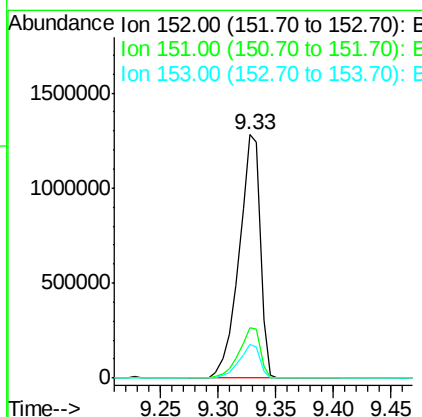
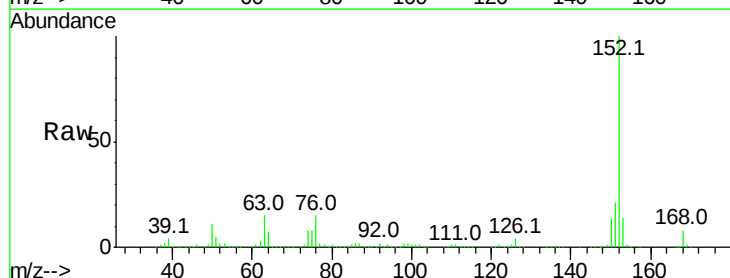
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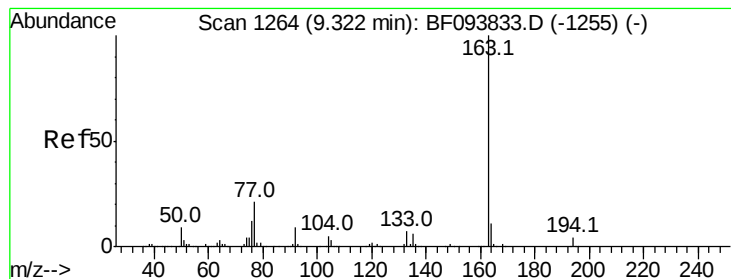
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#48
Acenaphthylene
Concen: 47.21 ng
RT: 9.33 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BF094238.D
Acq: 6 Apr 2017 19:50

Tgt Ion:152 Resp: 1621656
Ion Ratio Lower Upper
152 100
151 20.6 16.8 25.2
153 13.7 10.8 16.2





#49

Dimethylphthalate

Concen: 67.19 ng

RT: 9.20 min Scan# 1243

Delta R.T. 0.01 min

Lab File: BF094238.D

Acq: 6 Apr 2017 19:50

Instrument :

BNA_F

ClientSampleId :

GP-B-02(10-15)MSD

Tot Ion:163 Resp: 1563590

Ion Ratio Lower Upper

163 100

194 3.7 2.6 4.0

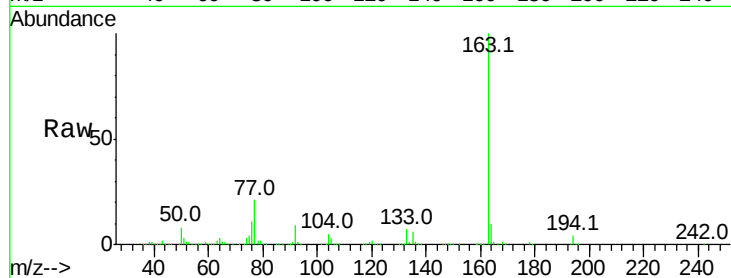
164 10.5 8.4 12.6

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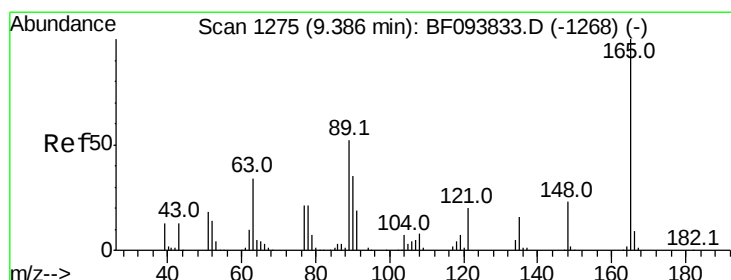
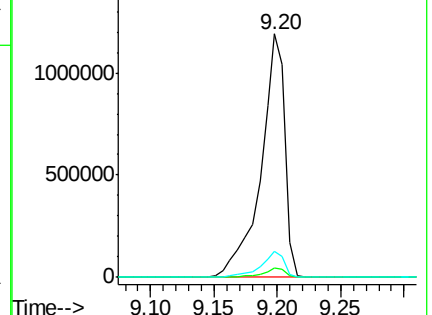
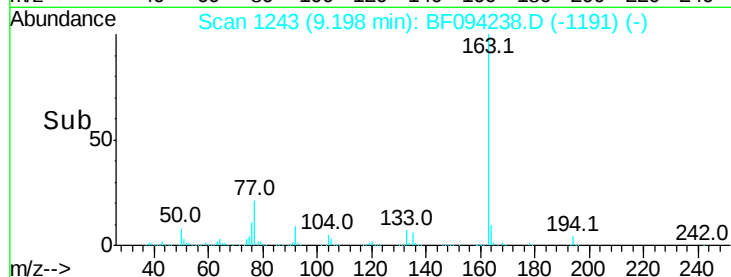
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Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 53.61 ng

RT: 9.26 min Scan# 1254

Delta R.T. 0.01 min

Lab File: BF094238.D

Acq: 6 Apr 2017 19:50

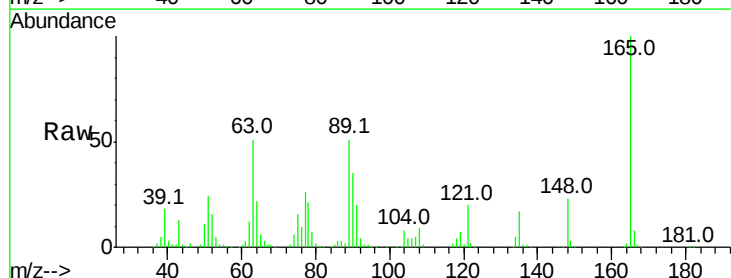
Tgt Ion:165 Resp: 286009

Ion Ratio Lower Upper

165 100

63 50.9 34.3 51.5

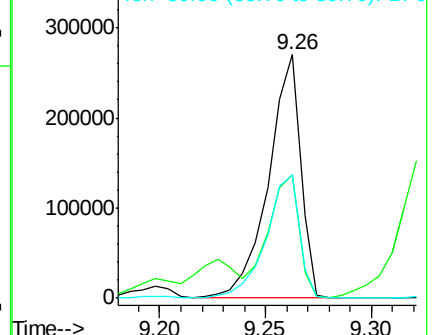
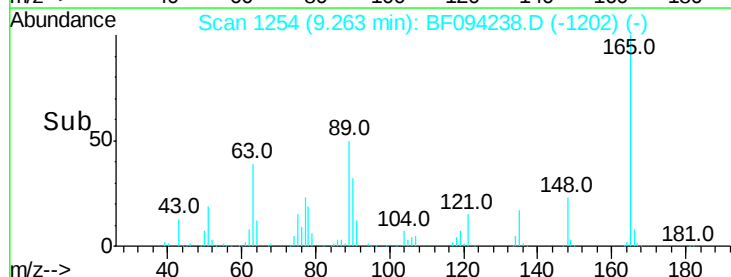
89 50.7 37.1 55.7

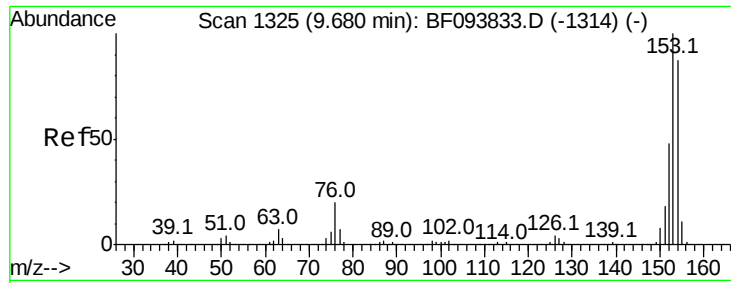


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





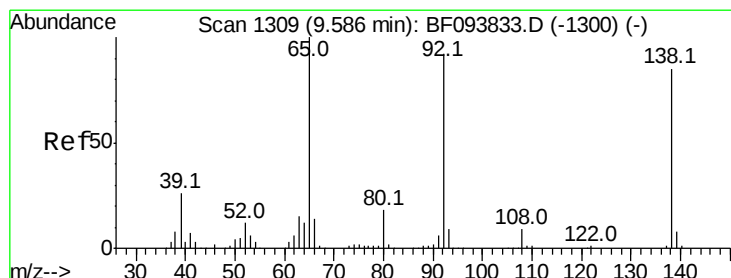
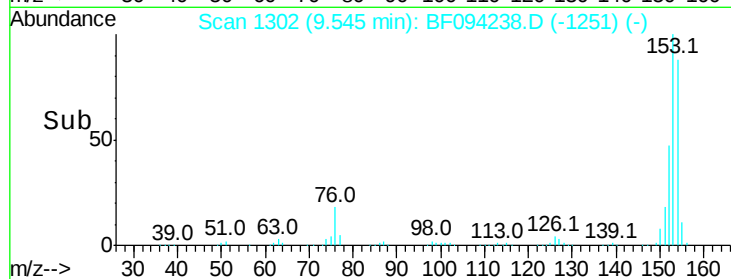
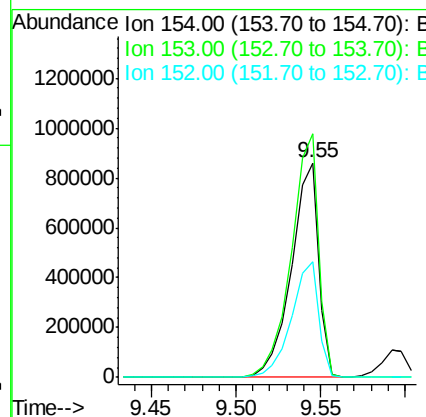
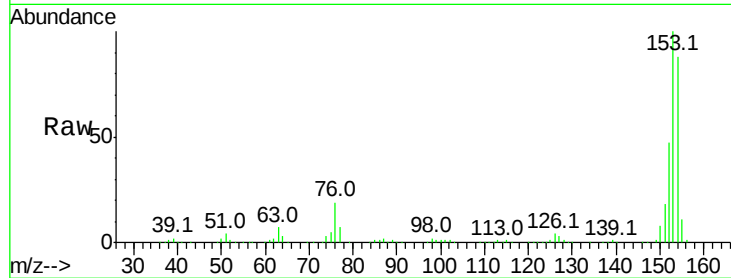
#51
Acenaphthene
Concen: 47.93 ng
RT: 9.55 min Scan# 1302
Delta R.T. -0.00 min
Lab File: BF094238.D
Acq: 6 Apr 2017 19:50

Instrument :
BNA_F
ClientSampleId :
GP-B-02(10-15)MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	113.6	90.5	135.7
152	53.8	43.6	65.4

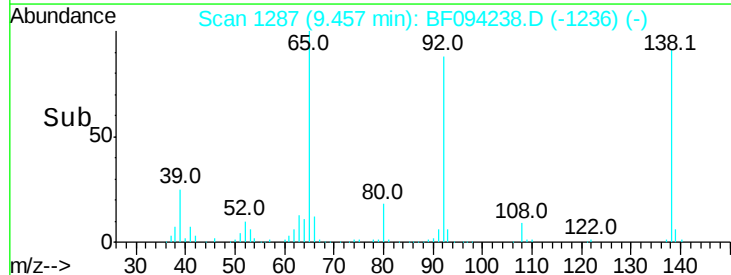
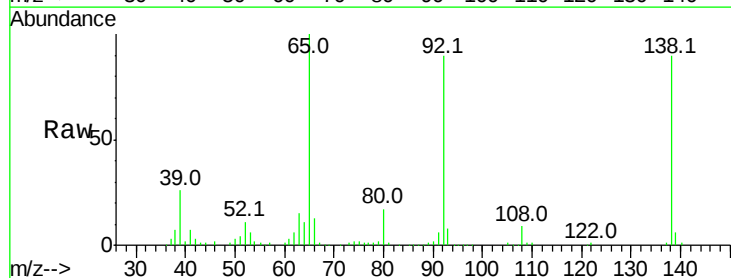
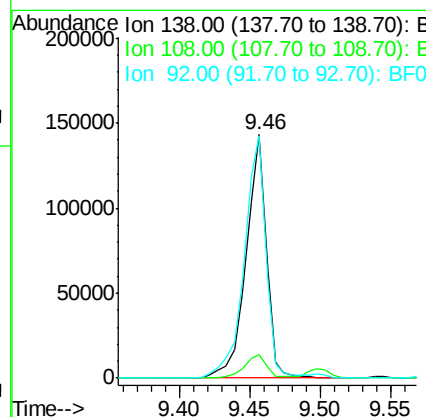
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#52
3-Nitroaniline
Concen: 22.96 ng
RT: 9.46 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BF094238.D
Acq: 6 Apr 2017 19:50

Tgt Ion	Ratio	Lower	Upper
138	100		
108	9.8	9.1	13.7
92	99.8	93.8	140.6





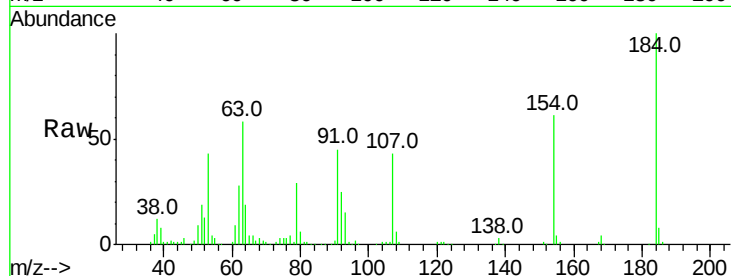
#53
 2,4-Dinitrophenol
 Concen: 68.96 ng
 RT: 9.60 min Scan# 1311
 Delta R.T. 0.01 min
 Lab File: BF094238.D
 Acq: 6 Apr 2017 19:50

Instrument :
 BNA_F
 ClientSampleId :
 GP-B-02(10-15)MSD

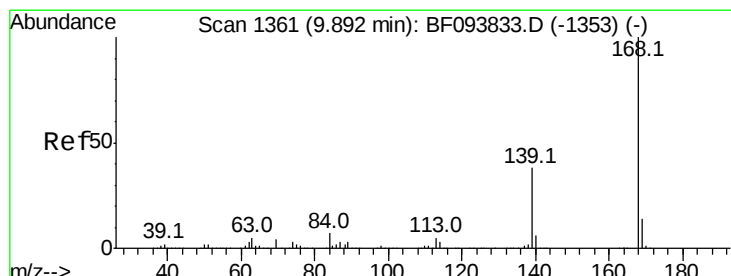
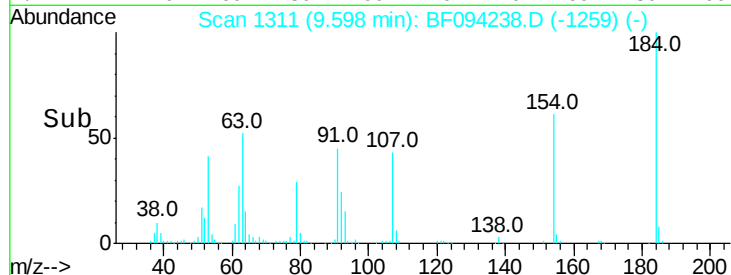
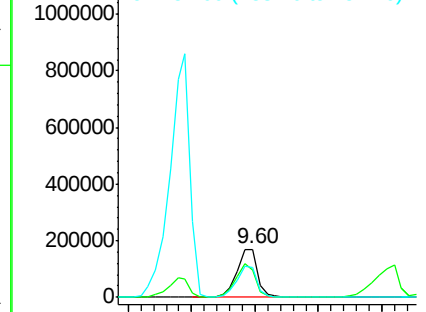
Tot Ion	Ratio	Resp	Lower	Upper
184	100	194896		
63	57.7	62.7	94.1#	
154	61.2	81.1	121.7#	

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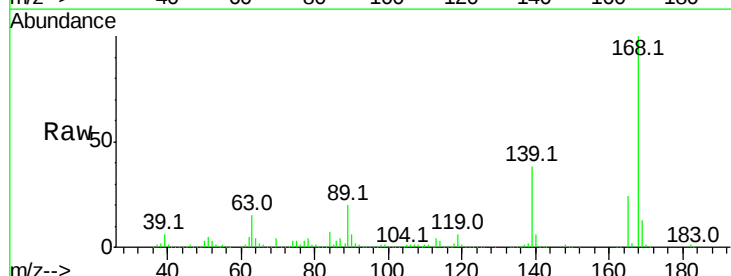


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

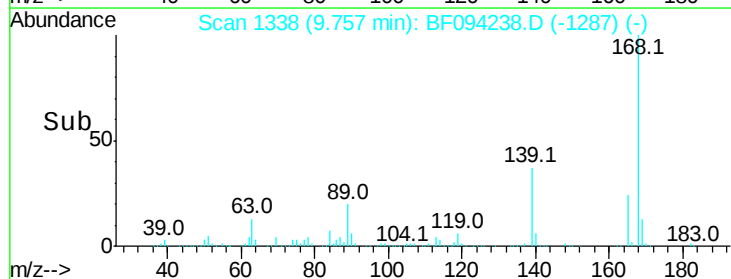
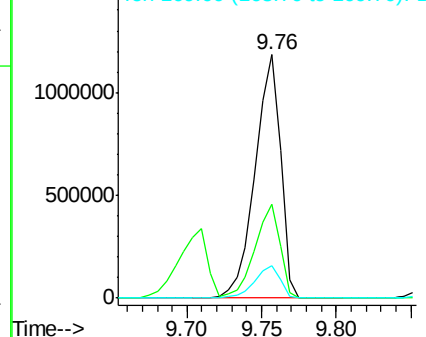


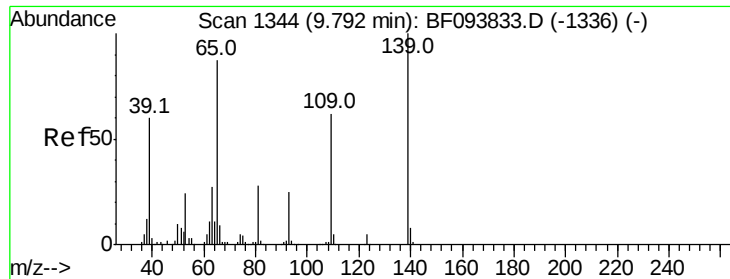
#54
 Dibenzofuran
 Concen: 50.84 ng
 RT: 9.76 min Scan# 1338
 Delta R.T. -0.00 min
 Lab File: BF094238.D
 Acq: 6 Apr 2017 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1387272		
139	38.3	30.6	45.8	
169	13.1	10.8	16.2	



Abundance Ion 168.00 (167.70 to 168.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 169.00 (168.70 to 169.70): E





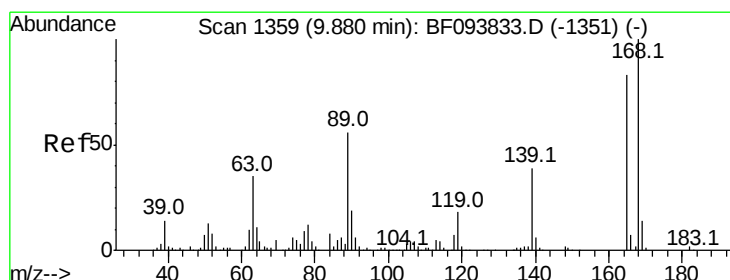
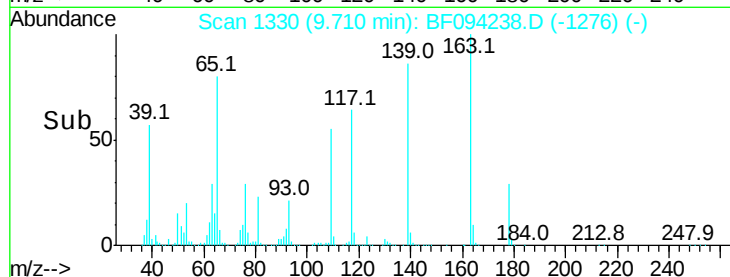
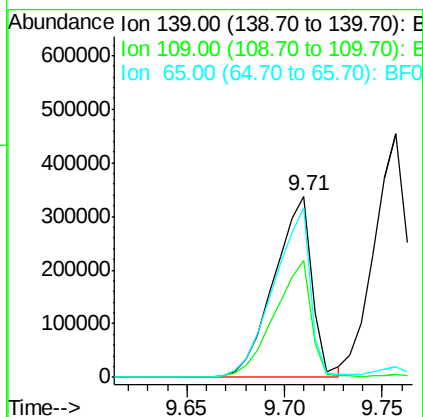
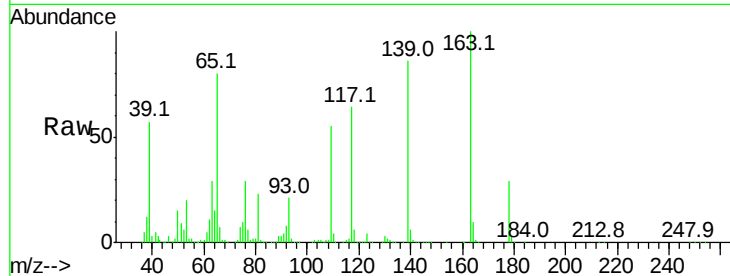
#55
4-Nitrophenol
Concen: 93.44 ng
RT: 9.71 min Scan# 1330
Delta R.T. 0.02 min
Lab File: BF094238.D
Acq: 6 Apr 2017 19:50

Instrument :
BNA_F
ClientSampleId :
GP-B-02(10-15)MSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	64.4	34.1	74.1	
65	93.6	31.4	71.4	

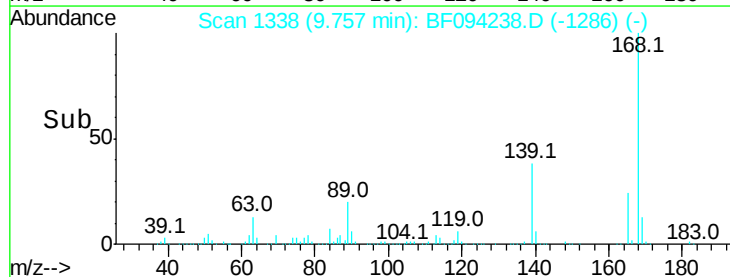
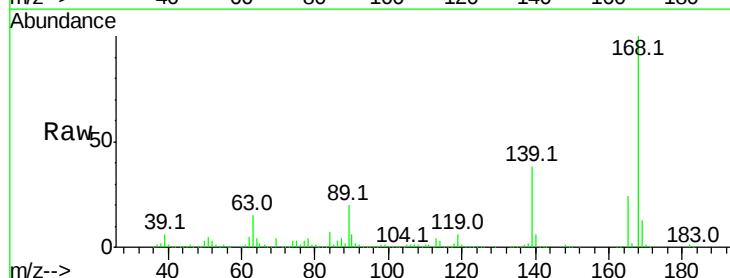
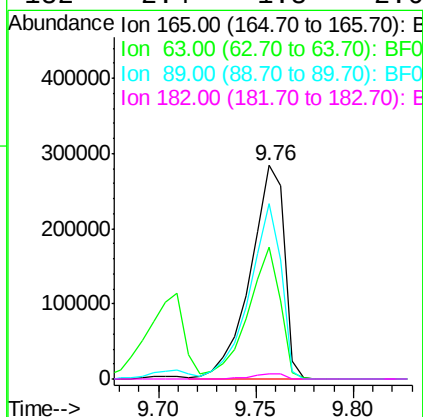
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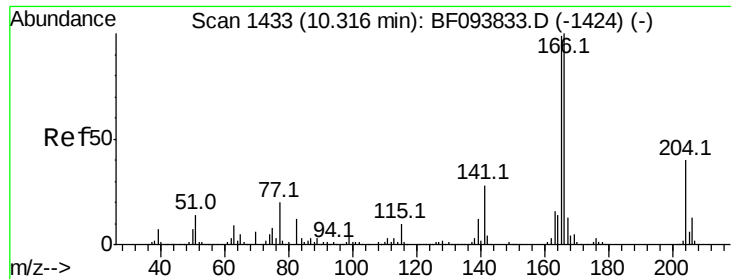
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#56
2,4-Dinitrotoluene
Concen: 51.17 ng
RT: 9.76 min Scan# 1338
Delta R.T. 0.01 min
Lab File: BF094238.D
Acq: 6 Apr 2017 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	61.6	25.4	38.0	
89	82.2	46.4	69.6	
182	2.4	1.8	2.6	





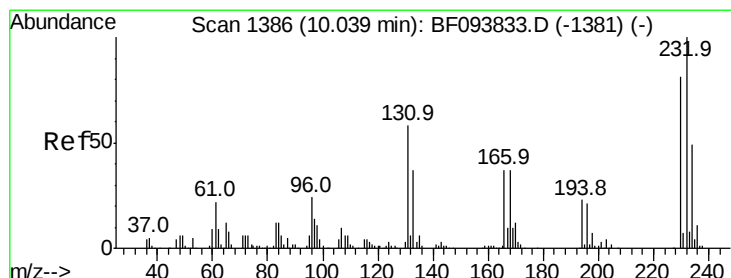
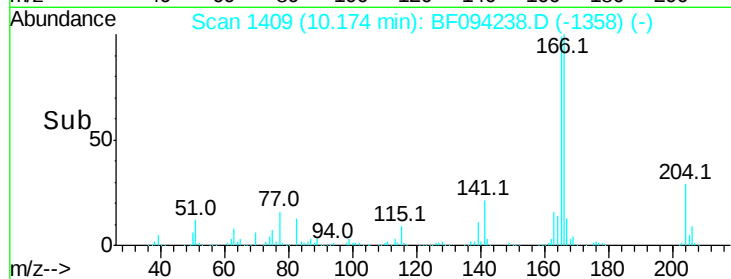
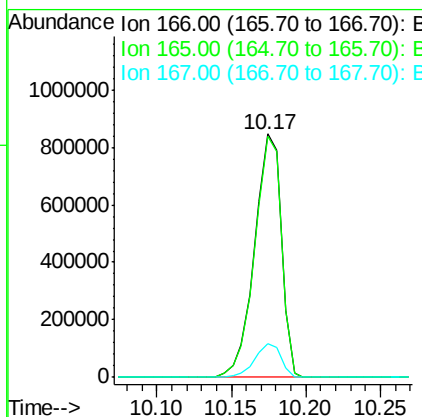
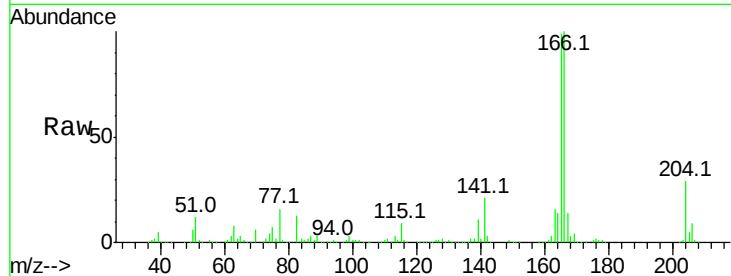
#57
Fluorene
 Concen: 46.14 ng
 RT: 10.17 min Scan# 1409
 Delta R.T. -0.00 min
 Lab File: BF094238.D
 Acq: 6 Apr 2017 19:50

Instrument :
 BNA_F
 ClientSampleId :
 GP-B-02(10-15)MSD

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.0	78.8	118.2
167	13.6	10.6	16.0

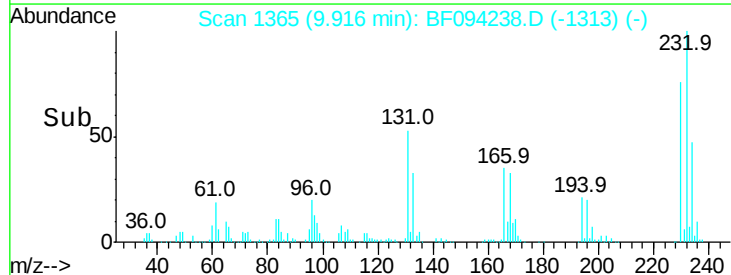
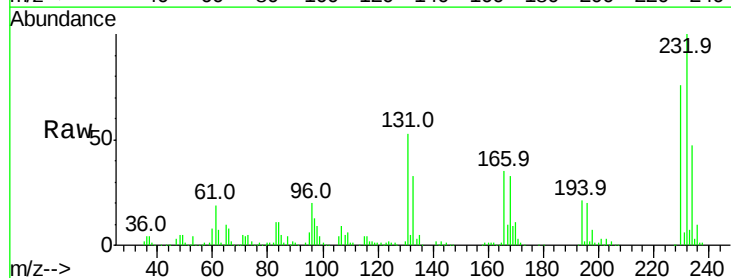
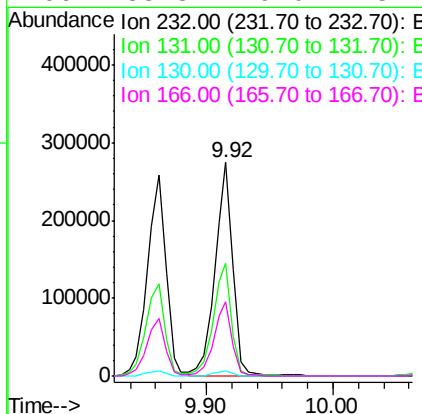
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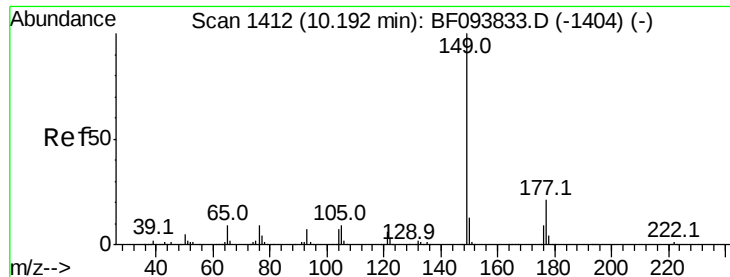
mohammad
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#58
2,3,4,6-Tetrachlorophenol
 Concen: 57.36 ng
 RT: 9.92 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: BF094238.D
 Acq: 6 Apr 2017 19:50

Tgt Ion	Ratio	Lower	Upper
232	100		
131	54.3	44.8	67.2
130	2.6	2.3	3.5
166	35.8	29.0	43.4





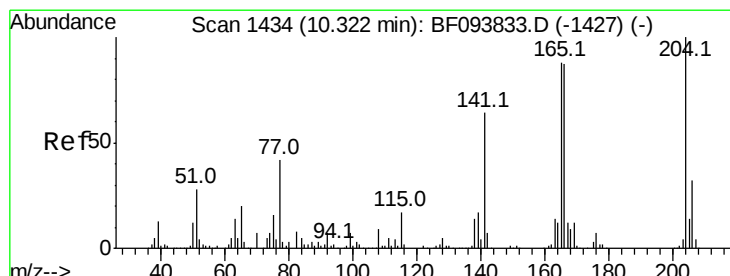
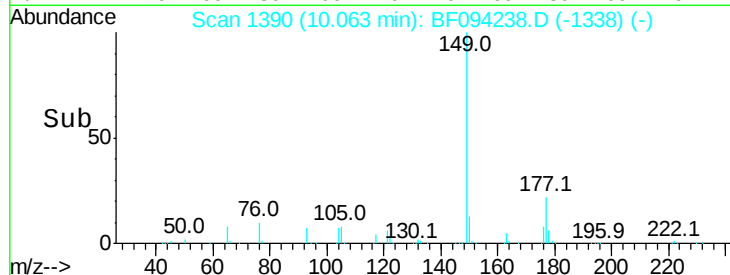
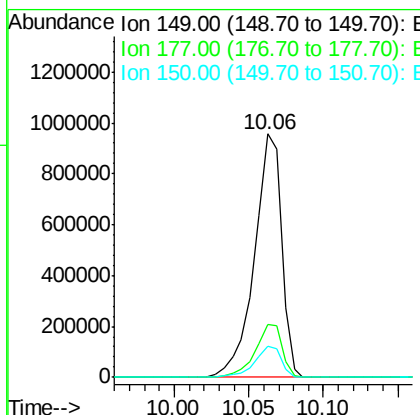
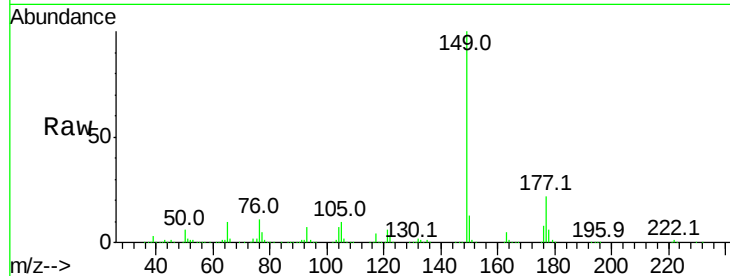
#59
Diethylphthalate
Concen: 52.17 ng
RT: 10.06 min Scan# 1390
Delta R.T. 0.01 min
Lab File: BF094238.D
Acq: 6 Apr 2017 19:50

Instrument :
BNA_F
ClientSampleId :
GP-B-02(10-15)MSD

Tot Ion:149 Resp: 1199834
Ion Ratio Lower Upper
149 100
177 21.7 16.7 25.1
150 13.0 10.2 15.2

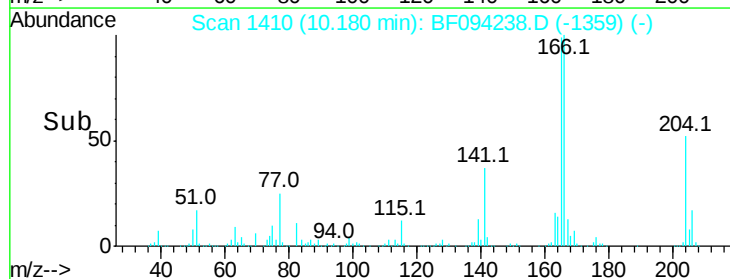
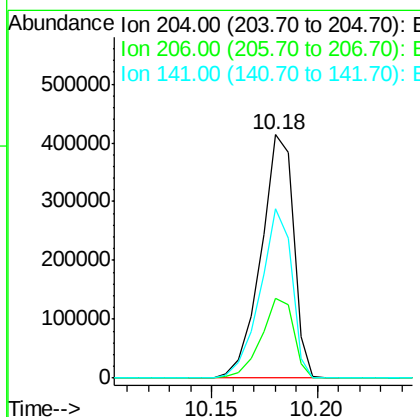
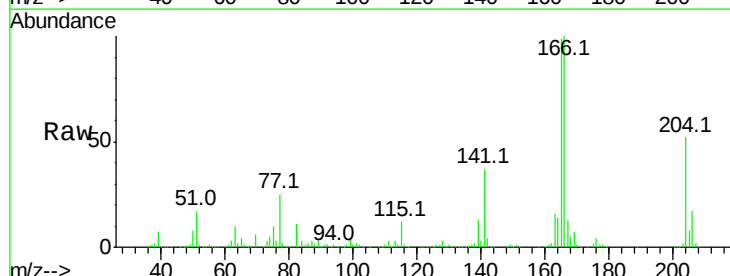
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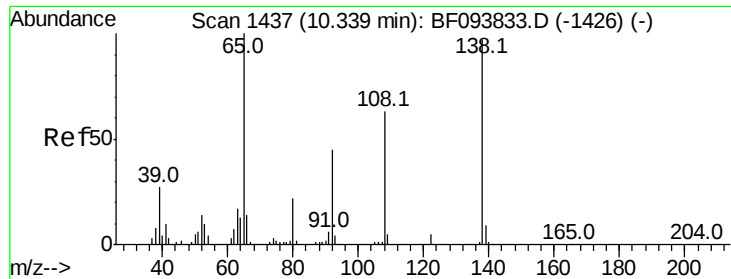
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#60
4-Chlorophenyl-phenylether
Concen: 46.15 ng
RT: 10.18 min Scan# 1410
Delta R.T. -0.00 min
Lab File: BF094238.D
Acq: 6 Apr 2017 19:50

Tgt Ion:204 Resp: 444894
Ion Ratio Lower Upper
204 100
206 32.9 26.2 39.2
141 69.7 60.8 91.2





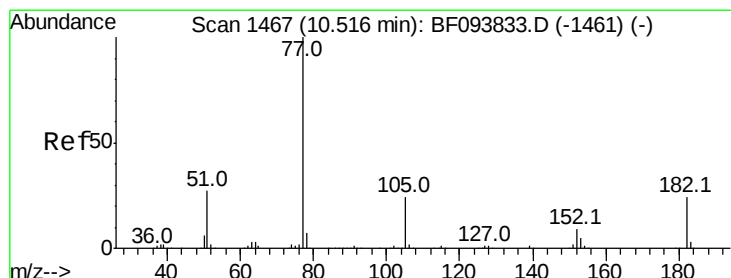
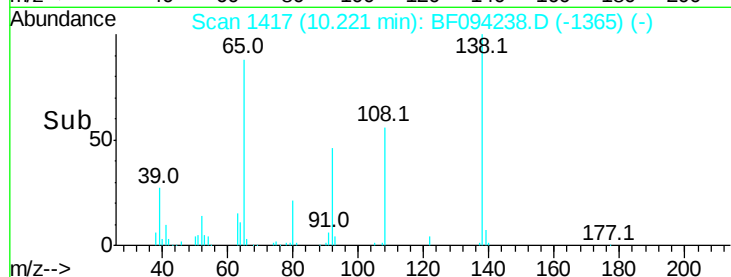
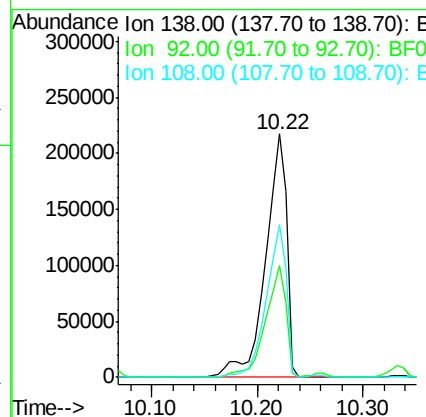
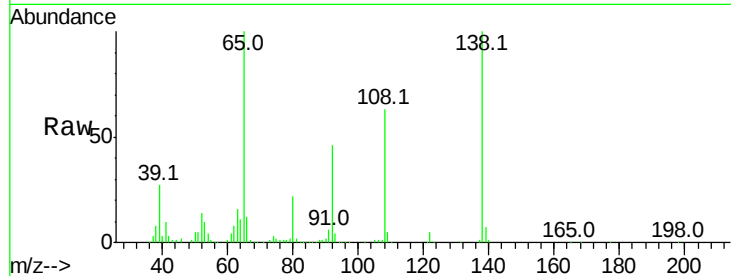
#61
4-Nitroaniline
Concen: 50.72 ng
RT: 10.22 min Scan# 1417
Delta R.T. 0.01 min
Lab File: BF094238.D
Acq: 6 Apr 2017 19:50

Instrument :
BNA_F
ClientSampleId :
GP-B-02(10-15)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	46.1	21.8	61.8
108	62.7	42.3	82.3

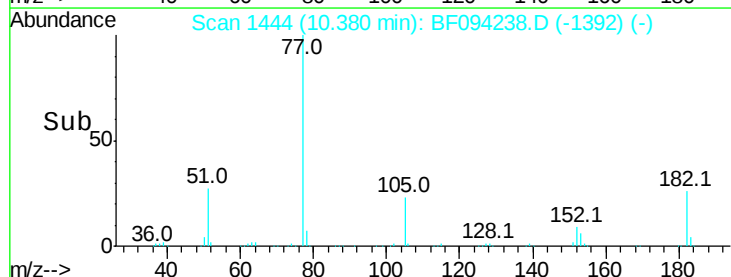
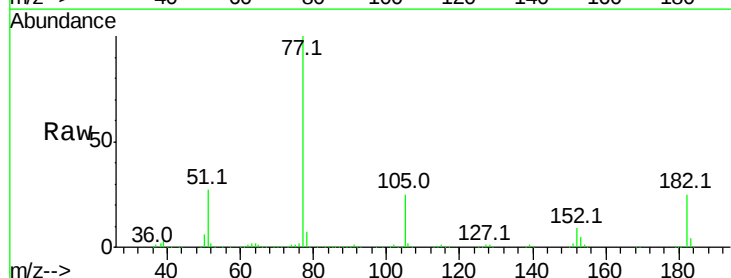
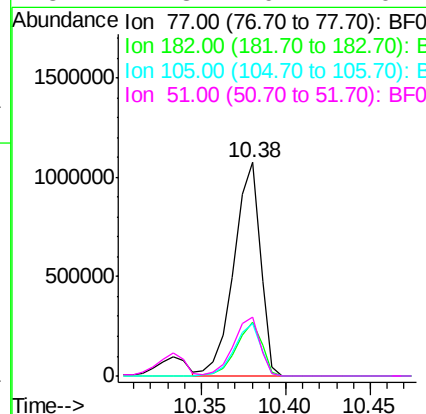
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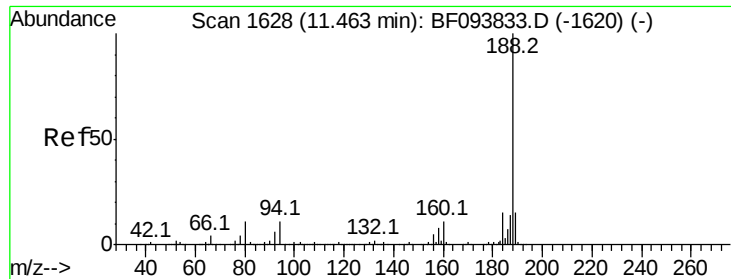
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#62
Azobenzene
Concen: 53.68 ng
RT: 10.38 min Scan# 1444
Delta R.T. 0.01 min
Lab File: BF094238.D
Acq: 6 Apr 2017 19:50

Tgt Ion	Ratio	Lower	Upper
77	100		
182	25.3	0.1	40.1
105	24.5	3.6	43.6
51	27.3	9.4	49.4





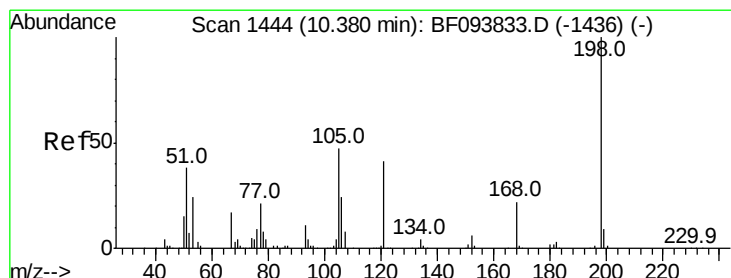
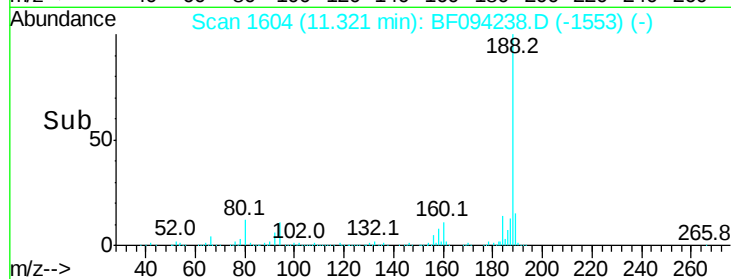
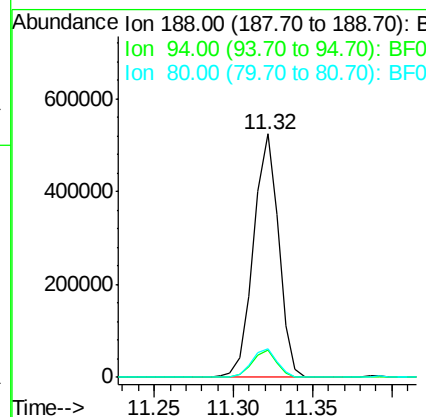
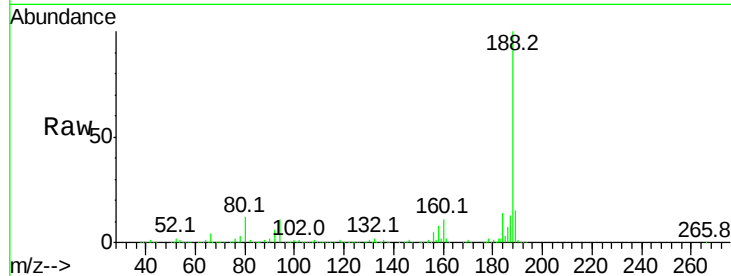
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 1604
Delta R.T. -0.00 min
Lab File: BF094238.D
Acq: 6 Apr 2017 19:50

Instrument :
BNA_F
ClientSampleId :
GP-B-02(10-15)MSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100	577227		
94	11.1		9.4	14.2
80	11.7		10.2	15.2

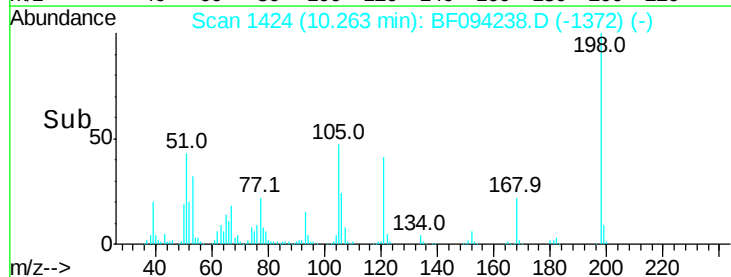
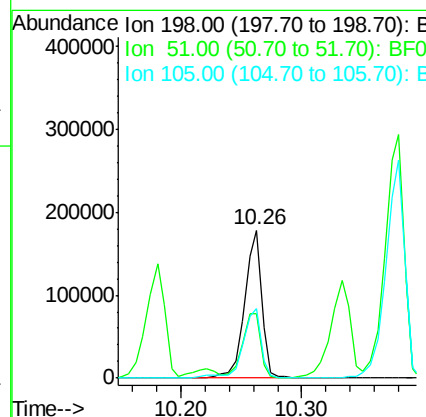
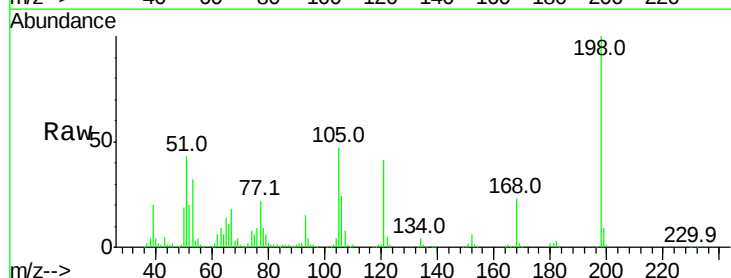
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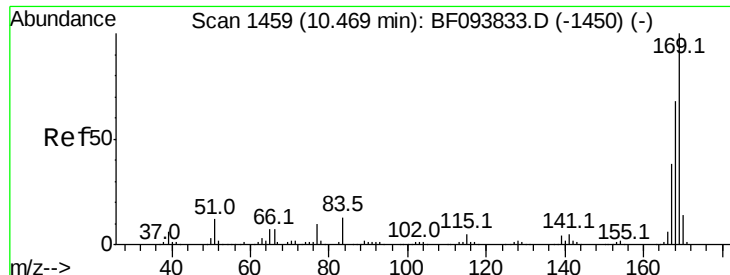
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#64
4,6-Dinitro-2-methylphenol
Concen: 50.23 ng
RT: 10.26 min Scan# 1424
Delta R.T. 0.01 min
Lab File: BF094238.D
Acq: 6 Apr 2017 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	177570		
51	43.4		53.2	93.2#
105	47.0		45.8	85.8





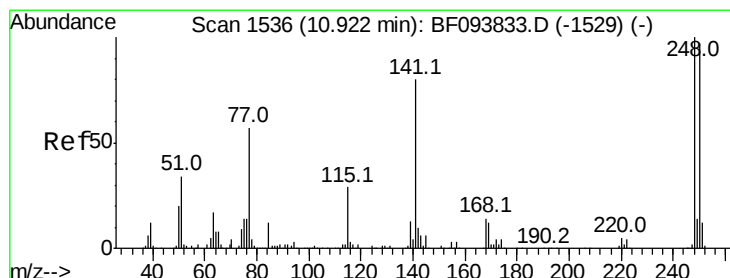
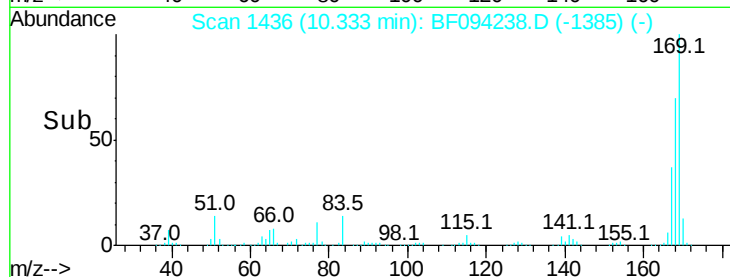
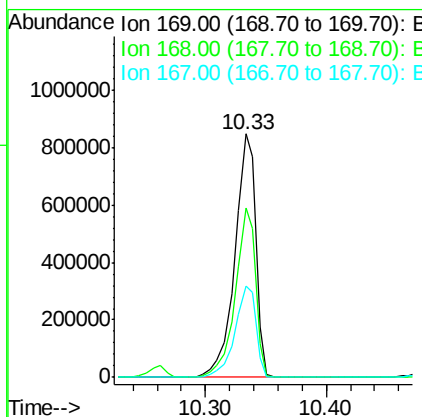
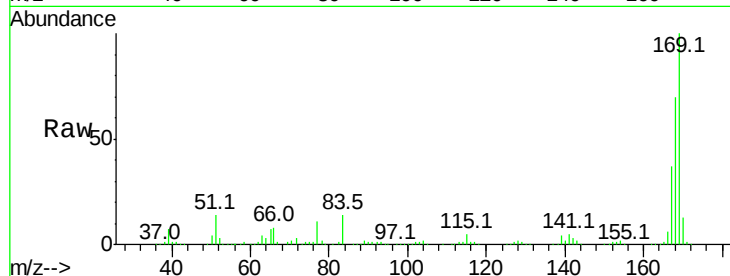
#65
 n-Nitrosodiphenylamine
 Concen: 51.14 ng
 RT: 10.33 min Scan# 1436
 Delta R.T. -0.00 min
 Lab File: BF094238.D
 Acq: 6 Apr 2017 19:50

Instrument :
 BNA_F
 ClientSampleId :
 GP-B-02(10-15)MSD

Tot Ion	Ratio	Lower	Upper
169	100		
168	69.7	53.2	79.8
167	37.3	29.5	44.3

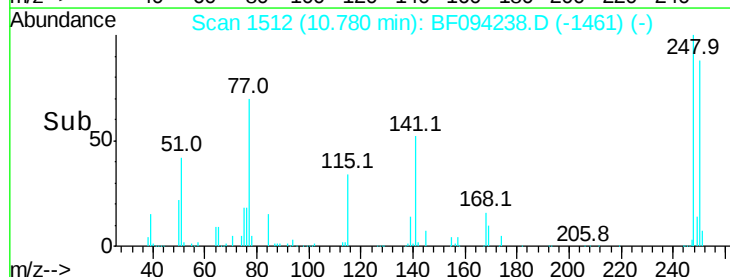
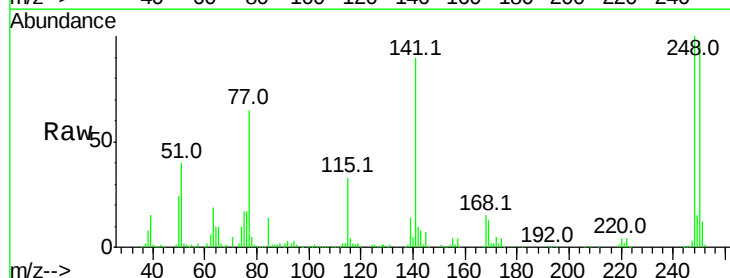
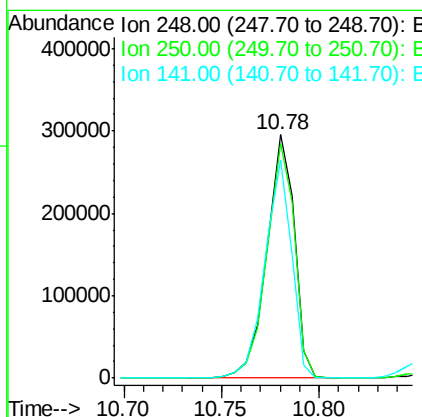
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#66
 4-Bromophenyl-phenylether
 Concen: 51.06 ng
 RT: 10.78 min Scan# 1512
 Delta R.T. -0.00 min
 Lab File: BF094238.D
 Acq: 6 Apr 2017 19:50

Tgt Ion	Ratio	Lower	Upper
248	100		
250	96.2	76.8	115.2
141	89.6	68.6	103.0





#67

Hexachlorobenzene

Concen: 51.13 ng

RT: 10.85 min Scan# 1524

Delta R.T. -0.00 min

Lab File: BF094238.D

Acq: 6 Apr 2017 19:50

Instrument :

BNA_F

ClientSampleId :

GP-B-02(10-15)MSD

Tot Ion:284 Resp: 293825
Ion Ratio Lower Upper

284 100

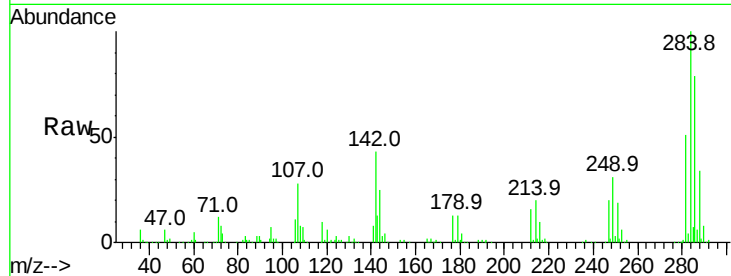
142 42.8 22.8 34.2#

249 31.1 24.0 36.0

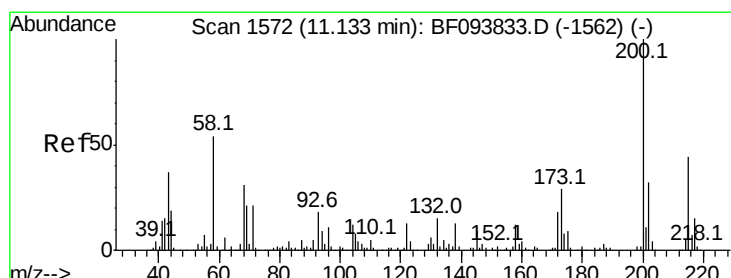
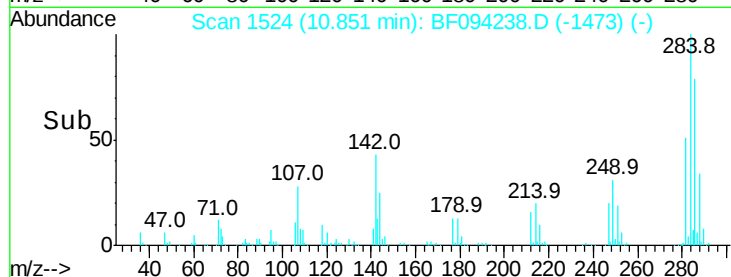
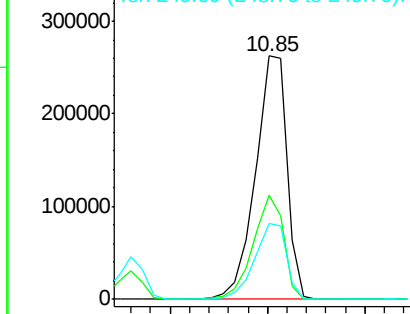
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Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 51.05 ng

RT: 11.01 min Scan# 1551

Delta R.T. 0.01 min

Lab File: BF094238.D

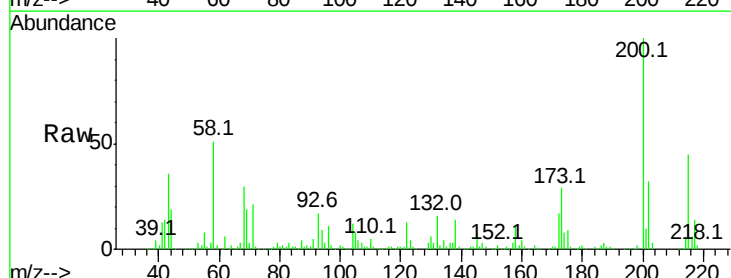
Acq: 6 Apr 2017 19:50

Tgt Ion:200 Resp: 305225
Ion Ratio Lower Upper

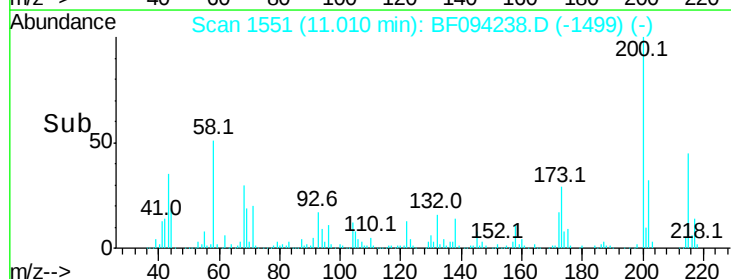
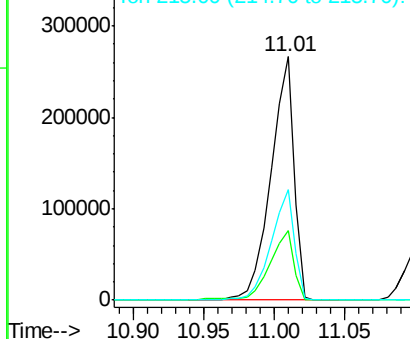
200 100

173 28.6 6.3 46.3

215 45.2 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





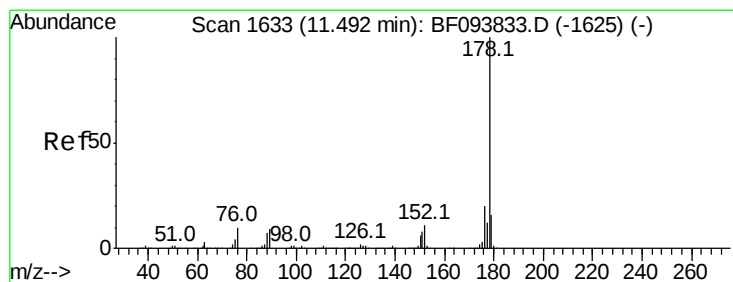
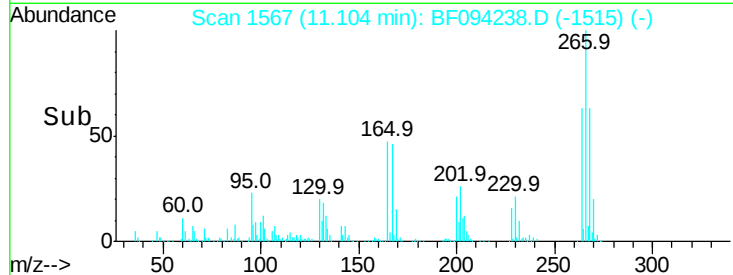
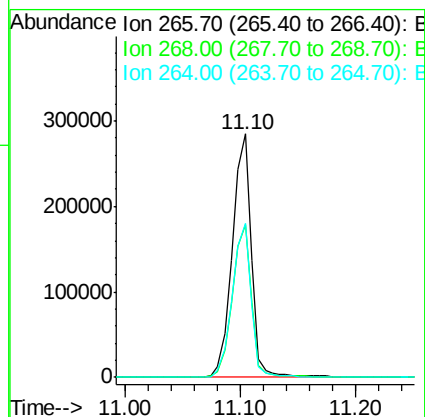
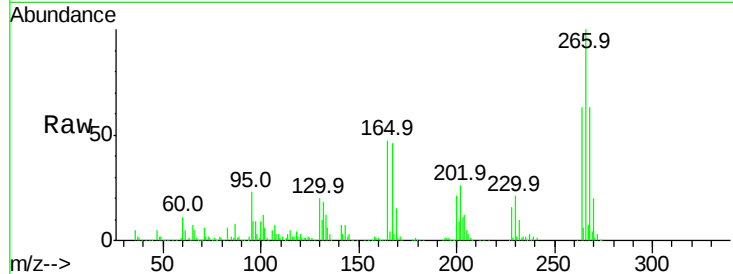
#69
 Pentachlorophenol
 Concen: 90.65 ng
 RT: 11.10 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: BF094238.D
 Acq: 6 Apr 2017 19:50

Instrument :
 BNA_F
 ClientSampleId :
 GP-B-02(10-15)MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	324261		
268	62.6		51.1	76.7
264	63.4		51.7	77.5

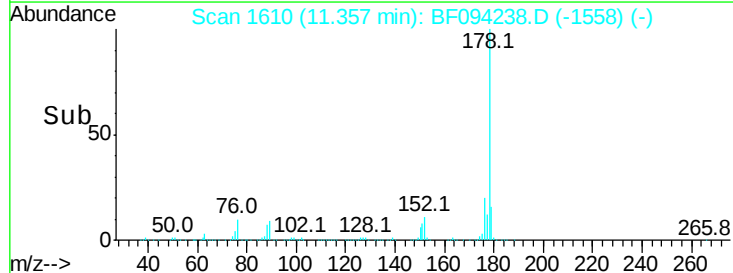
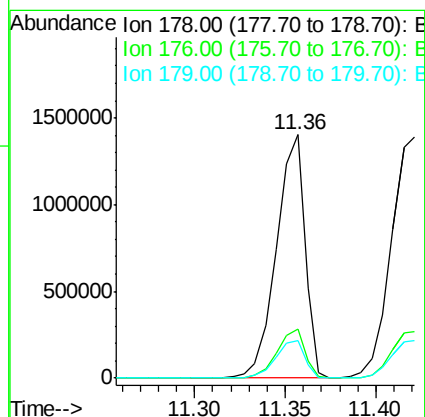
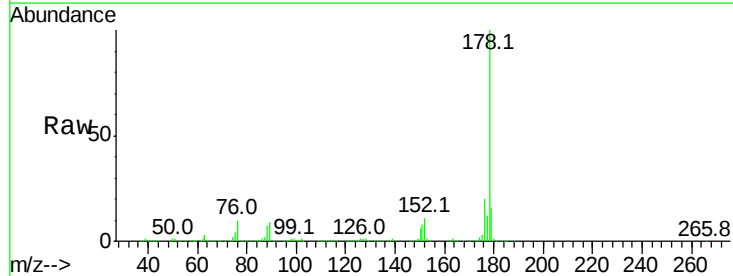
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#70
 Phenanthrene
 Concen: 47.94 ng
 RT: 11.36 min Scan# 1610
 Delta R.T. 0.01 min
 Lab File: BF094238.D
 Acq: 6 Apr 2017 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1539318		
176	20.2		16.2	24.4
179	15.7		12.6	19.0





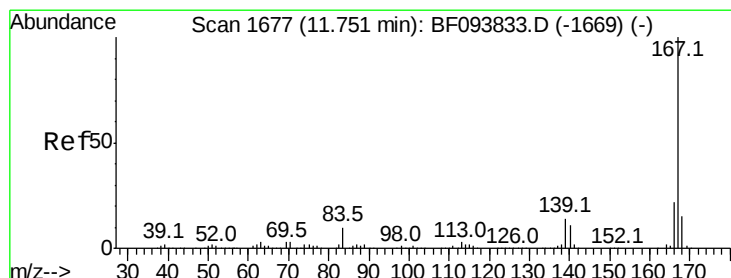
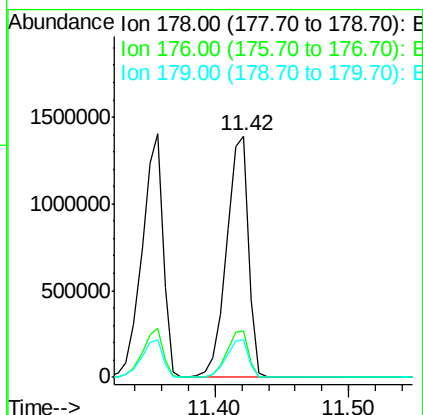
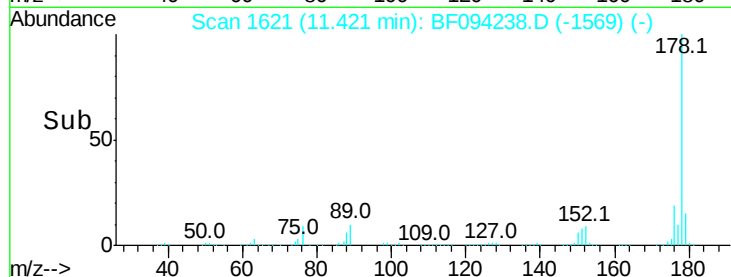
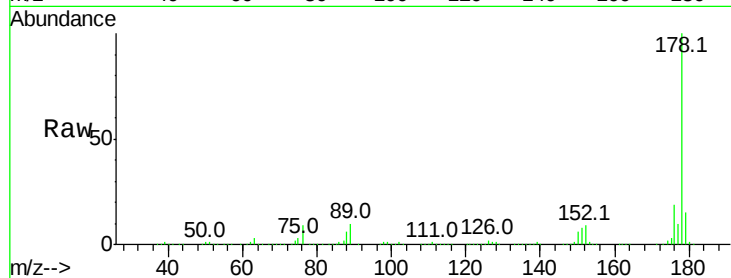
#71
 Anthracene
 Concen: 48.76 ng
 RT: 11.42 min Scan# 1621
 Delta R.T. 0.01 min
 Lab File: BF094238.D
 Acq: 6 Apr 2017 19:50

Instrument :
 BNA_F
 ClientSampleId :
 GP-B-02(10-15)MSD

Tot Ion:178 Resp: 1612140
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 15.4 12.7 19.1

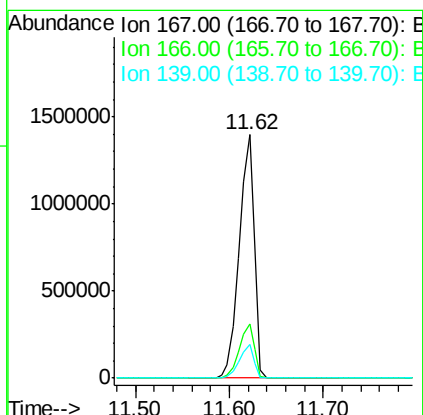
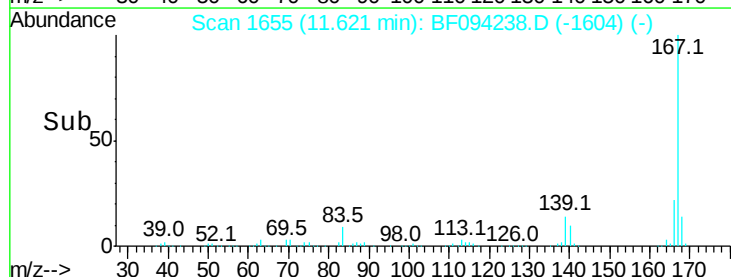
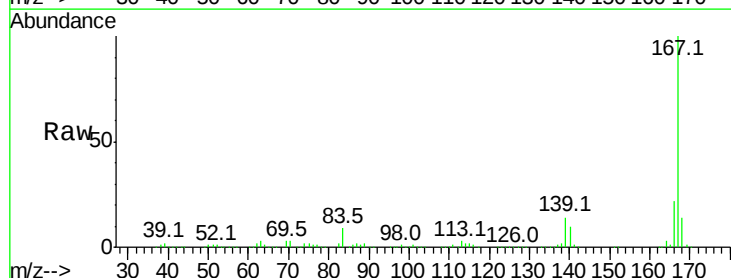
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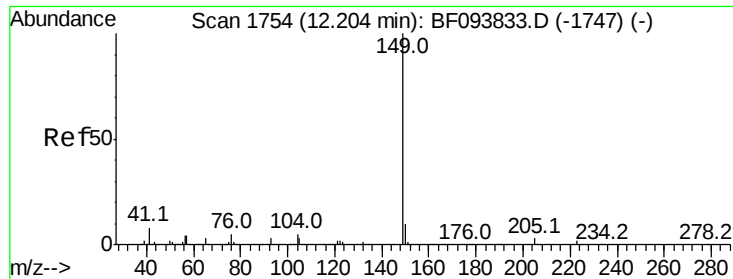
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#72
 Carbazole
 Concen: 45.89 ng
 RT: 11.62 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: BF094238.D
 Acq: 6 Apr 2017 19:50

Tgt Ion:167 Resp: 1555628
 Ion Ratio Lower Upper
 167 100
 166 22.4 18.1 27.1
 139 13.9 11.7 17.5





#73

Di-n-butylphthalate

Concen: 52.01 ng

RT: 12.07 min Scan# 1731

Delta R.T. -0.00 min

Lab File: BF094238.D

Acq: 6 Apr 2017 19:50

Instrument :

BNA_F

ClientSampleId :

GP-B-02(10-15)MSD

Tot Ion:149 Resp: 1833807

Ion Ratio Lower Upper

149 100

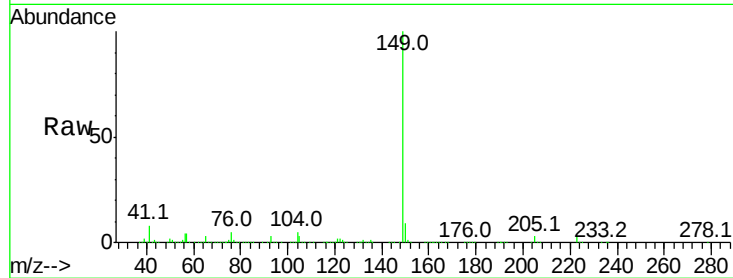
150 9.5 7.7 11.5

104 4.9 4.0 6.0

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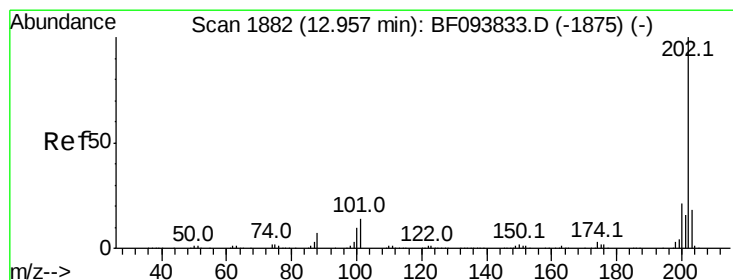
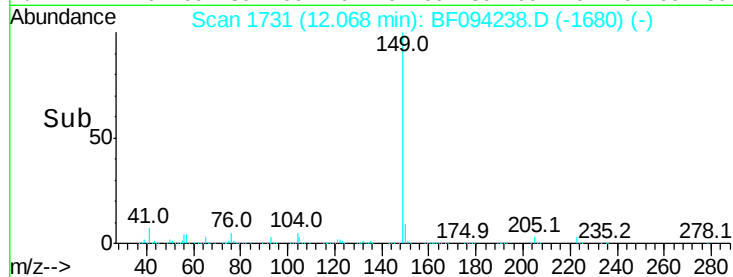
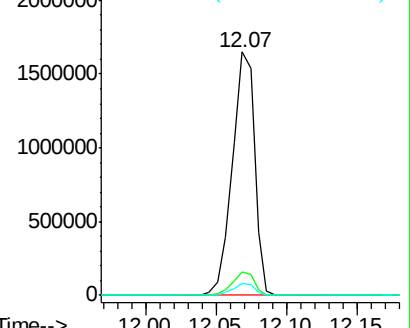
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 47.22 ng

RT: 12.82 min Scan# 1858

Delta R.T. -0.00 min

Lab File: BF094238.D

Acq: 6 Apr 2017 19:50

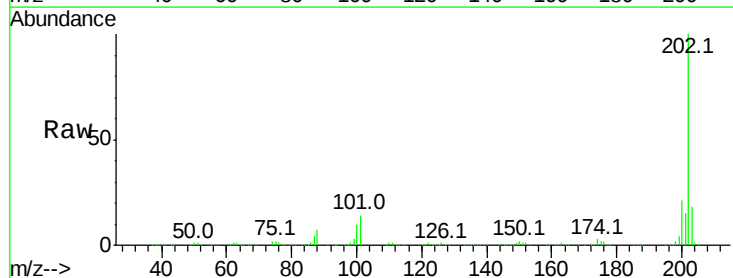
Tgt Ion:202 Resp: 1552627

Ion Ratio Lower Upper

202 100

101 13.8 0.0 33.2

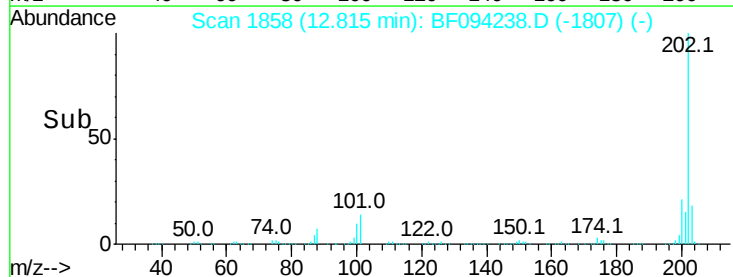
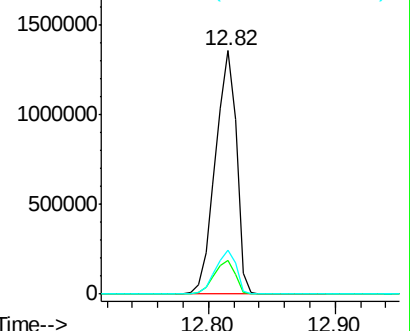
203 17.9 0.0 38.1

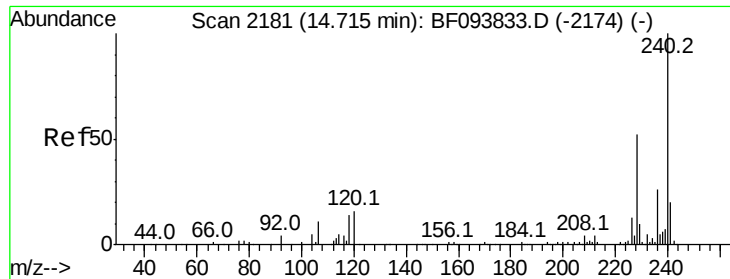


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.57 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BF094238.D

Acq: 6 Apr 2017 19:50

Instrument :

BNA_F

ClientSampleId :

GP-B-02(10-15)MSD

Tot Ion:240 Resp: 382028

Ion Ratio Lower Upper

240 100

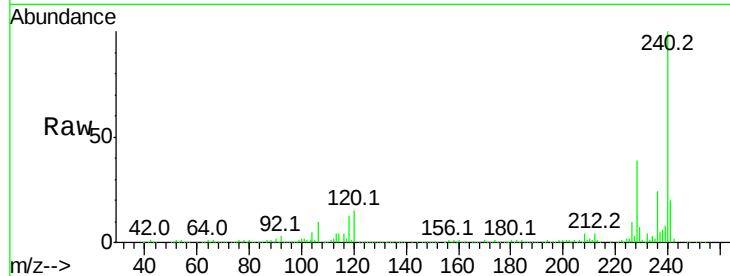
120 14.6 5.8 8.8#

236 24.4 20.5 30.7

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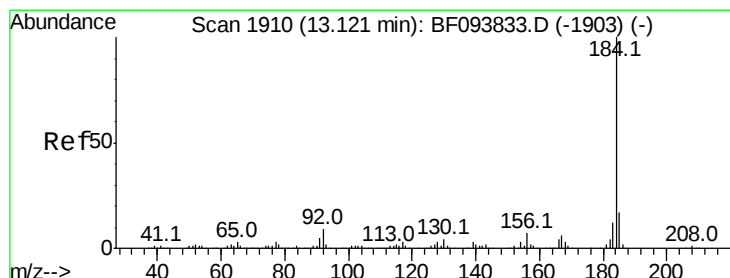
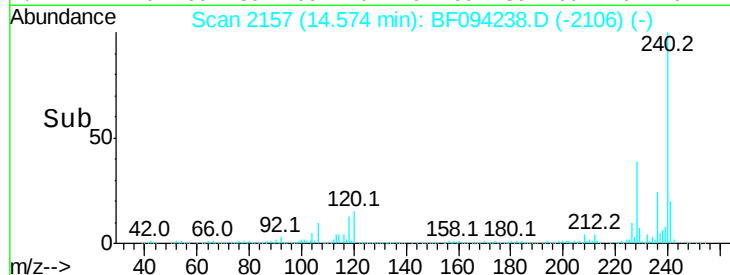
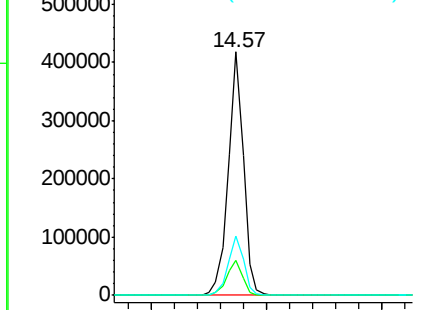
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 40.09 ng

RT: 12.99 min Scan# 1887

Delta R.T. 0.01 min

Lab File: BF094238.D

Acq: 6 Apr 2017 19:50

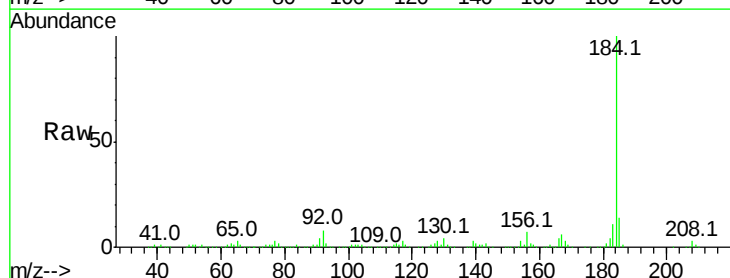
Tgt Ion:184 Resp: 606205

Ion Ratio Lower Upper

184 100

185 13.8 15.5 23.3#

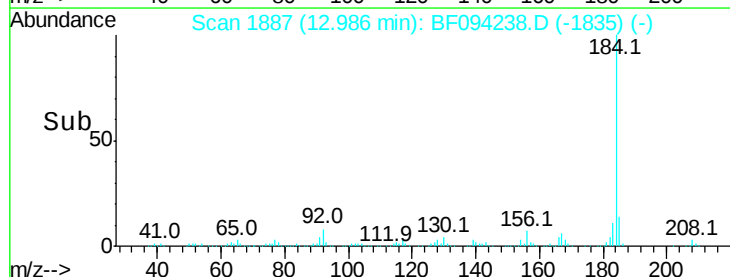
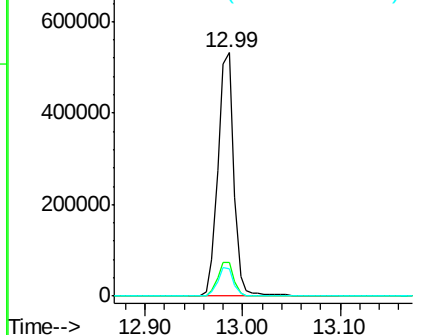
183 11.4 9.8 14.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





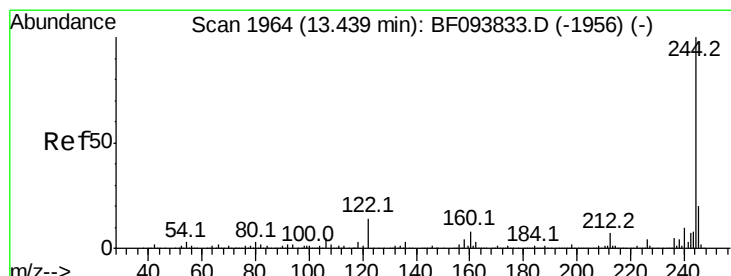
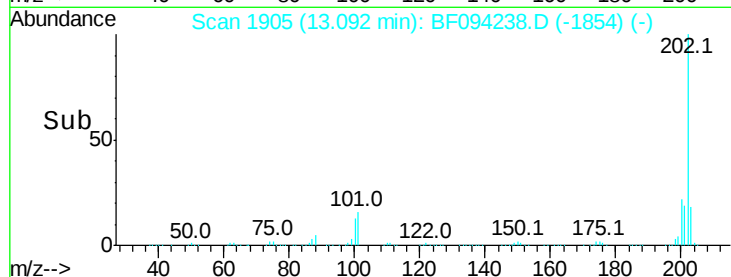
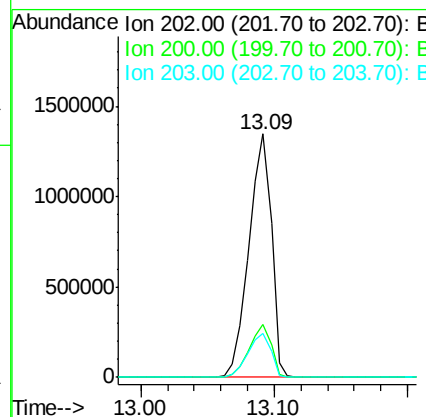
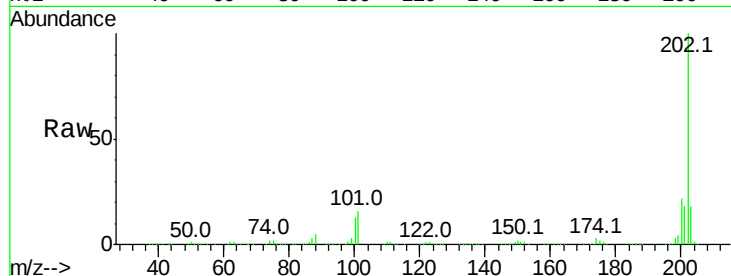
#77
Pvrene
Concen: 55.89 ng
RT: 13.09 min Scan# 1905
Delta R.T. -0.00 min
Lab File: BF094238.D
Acq: 6 Apr 2017 19:50

Instrument :
BNA_F
ClientSampleId :
GP-B-02(10-15)MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.6	26.4
203	17.9	14.4	21.6

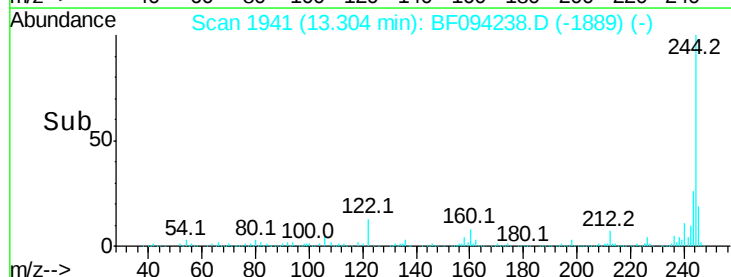
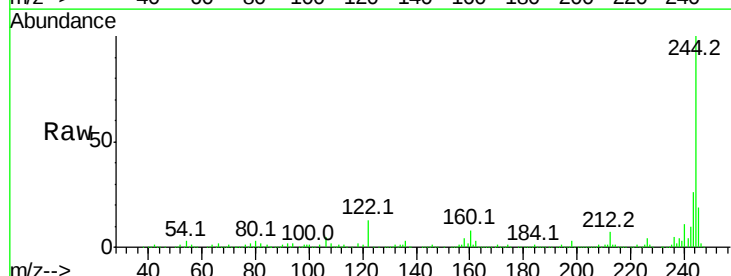
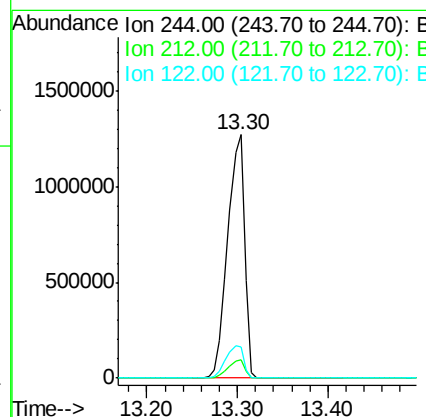
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#78
Terphenyl-d14
Concen: 96.21 ng
RT: 13.30 min Scan# 1941
Delta R.T. 0.01 min
Lab File: BF094238.D
Acq: 6 Apr 2017 19:50

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	13.0	10.3	15.5





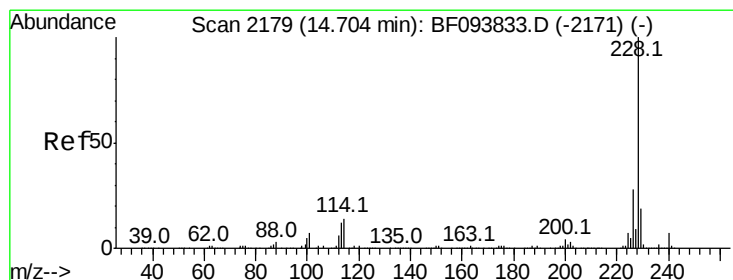
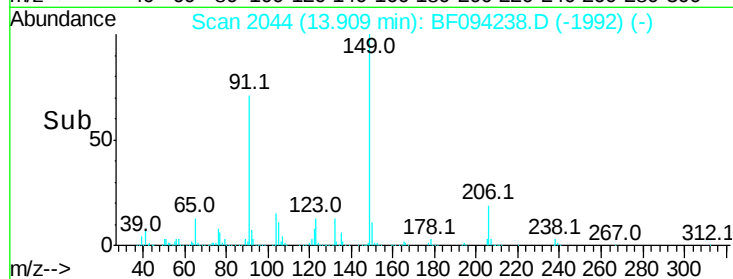
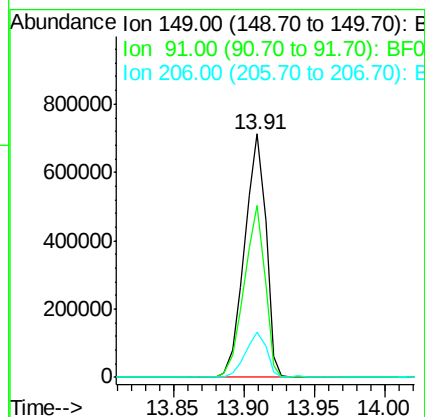
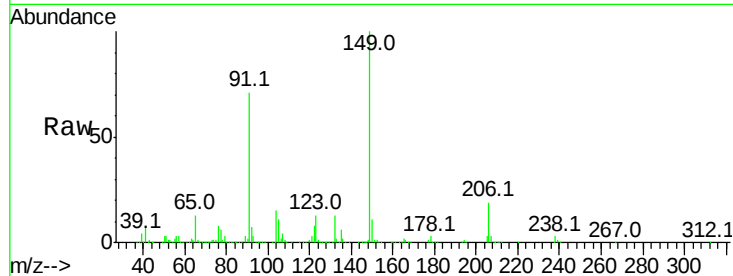
#79
Butylbenzylphthalate
Concen: 63.74 ng
RT: 13.91 min Scan# 2044
Delta R.T. 0.01 min
Lab File: BF094238.D
Acq: 6 Apr 2017 19:50

Instrument :
BNA_F
ClientSampleId :
GP-B-02(10-15)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	70.8	45.0	67.4#
206	18.7	17.0	25.6

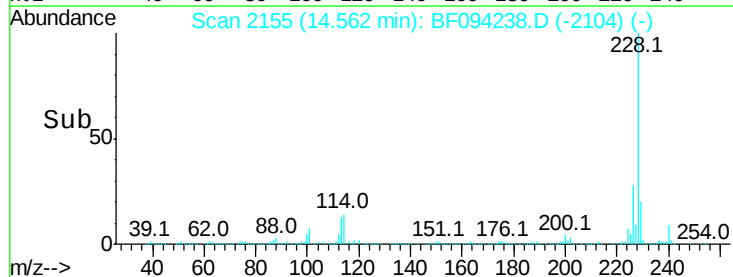
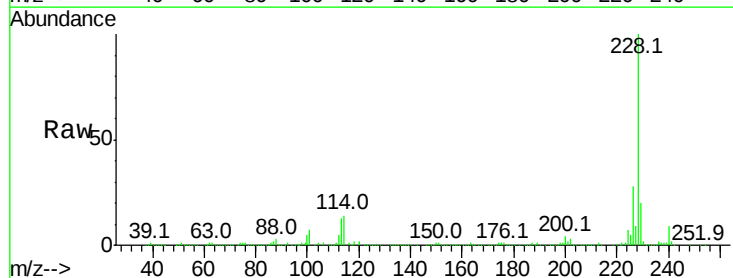
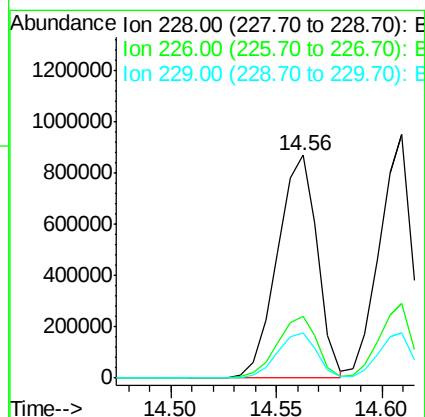
Manual Integrations
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#80
Benzo(a)anthracene
Concen: 51.12 ng
RT: 14.56 min Scan# 2155
Delta R.T. -0.00 min
Lab File: BF094238.D
Acq: 6 Apr 2017 19:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	20.1	16.3	24.5





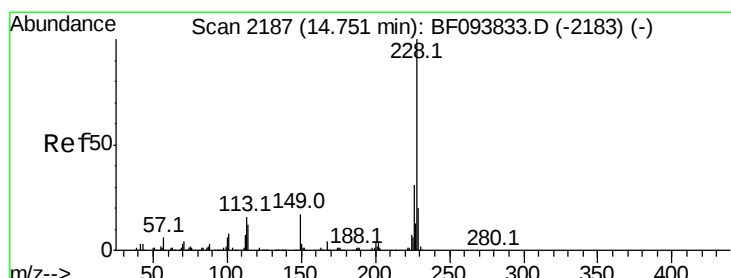
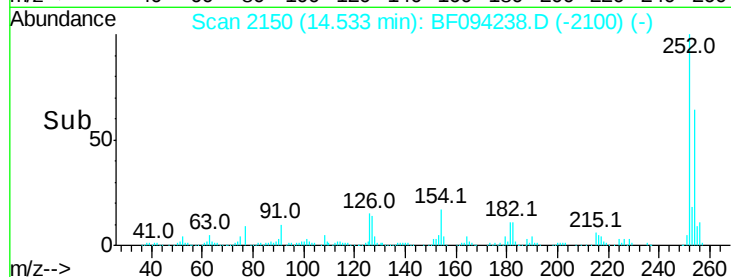
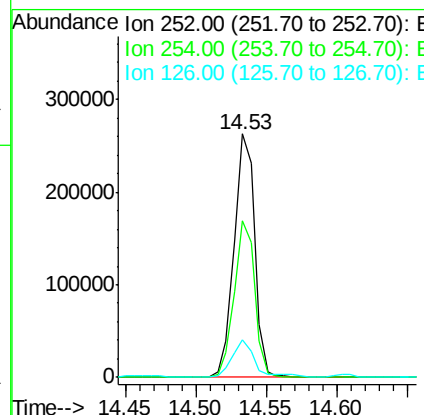
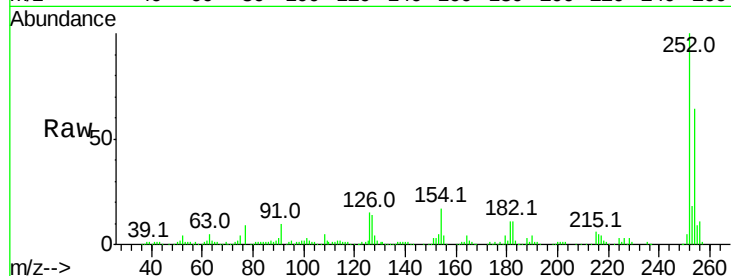
#81
 3,3'-Dichlorobenzidine
 Concen: 33.65 ng
 RT: 14.53 min Scan# 2150
 Delta R.T. -0.01 min
 Lab File: BF094238.D
 Acq: 6 Apr 2017 19:50

Instrument :
 BNA_F
 ClientSampleId :
 GP-B-02(10-15)MSD

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	64.1	51.5	77.3
126	15.4	15.8	23.8

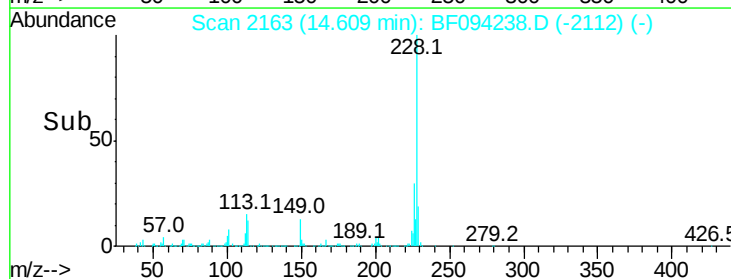
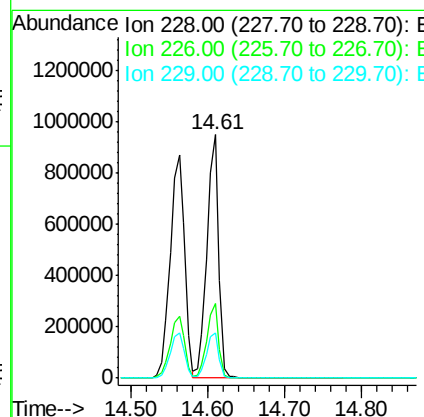
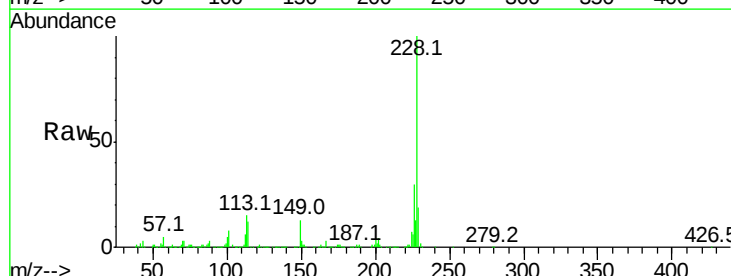
Manual Integrations
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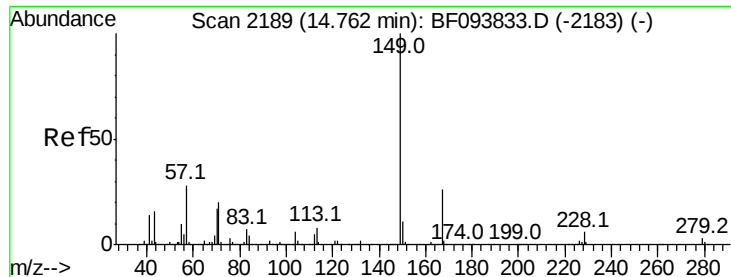
mohammad
 4/7/2017 5:21:04 PM



#82
 Chrysene
 Concen: 48.87 ng
 RT: 14.61 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: BF094238.D
 Acq: 6 Apr 2017 19:50

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.5	24.9	37.3
229	18.8	15.8	23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 63.23 ng

RT: 14.63 min Scan# 2166

Delta R.T. 0.01 min

Lab File: BF094238.D

Acq: 6 Apr 2017 19:50

Instrument :

BNA_F

ClientSampleId :

GP-B-02(10-15)MSD

Tot Ion:149 Resp: 1019066

Ion Ratio Lower Upper

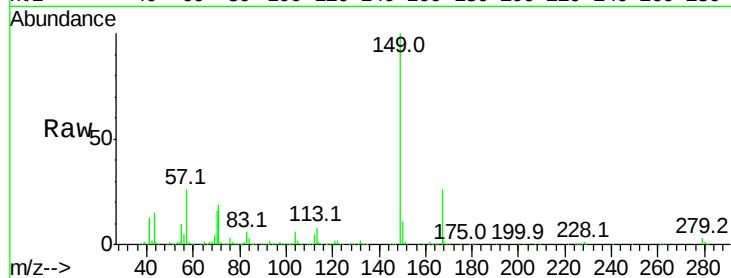
149 100

167 26.4 21.0 31.4

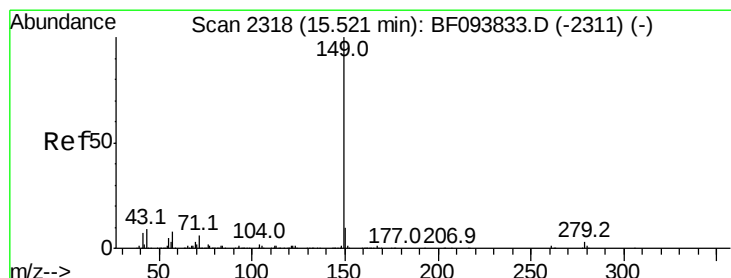
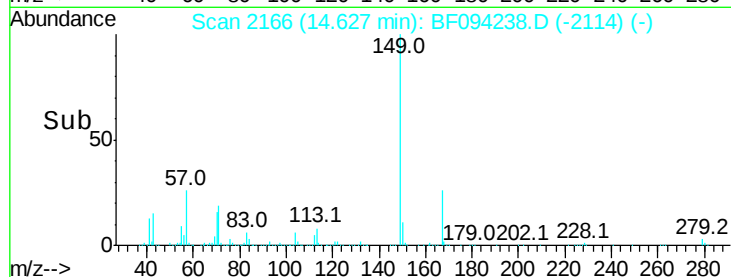
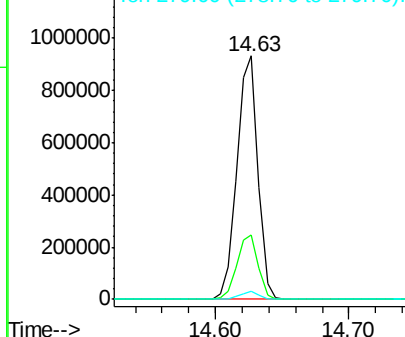
279 3.2 1.9 2.9#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 58.24 ng

RT: 15.38 min Scan# 2294

Delta R.T. 0.01 min

Lab File: BF094238.D

Acq: 6 Apr 2017 19:50

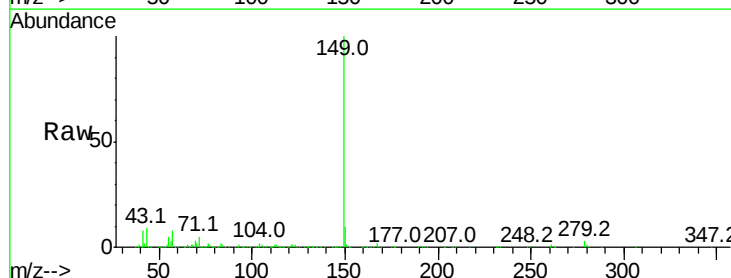
Tgt Ion:149 Resp: 1568056

Ion Ratio Lower Upper

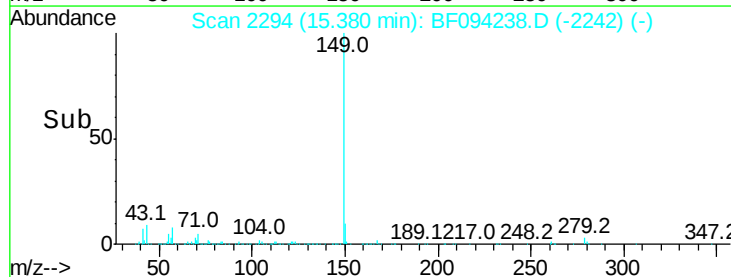
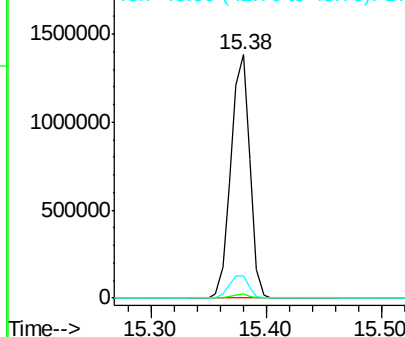
149 100

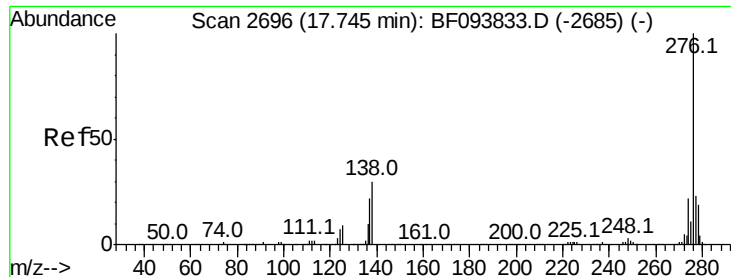
167 1.5 1.2 1.8

43 9.7 8.5 12.7



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0





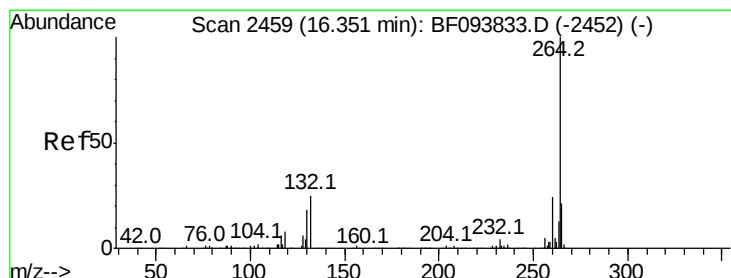
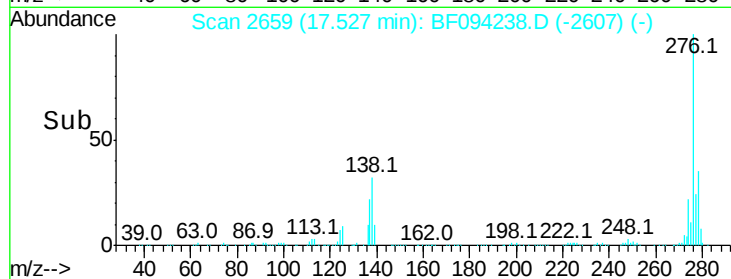
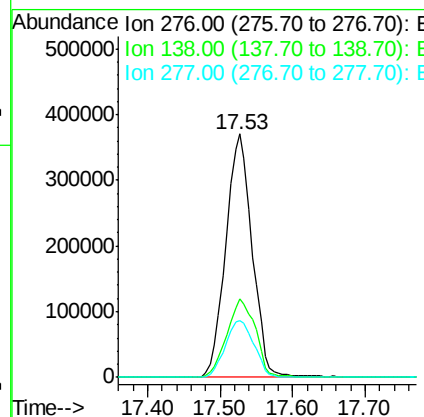
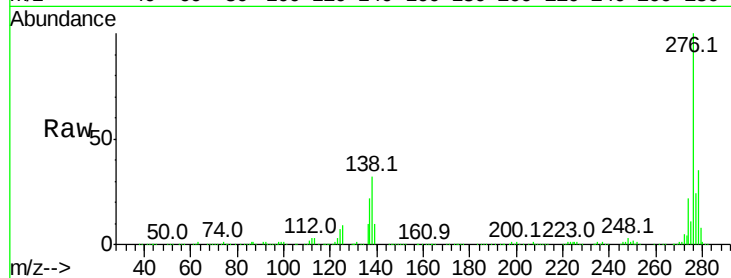
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 52.40 ng
 RT: 17.53 min Scan# 2659
 Delta R.T. 0.01 min
 Lab File: BF094238.D
 Acq: 6 Apr 2017 19:50

Instrument :
 BNA_F
 ClientSampleId :
 GP-B-02(10-15)MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	35.0	27.8	41.6
277	25.4	20.2	30.4

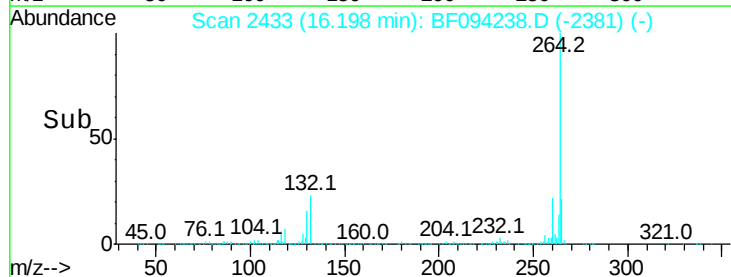
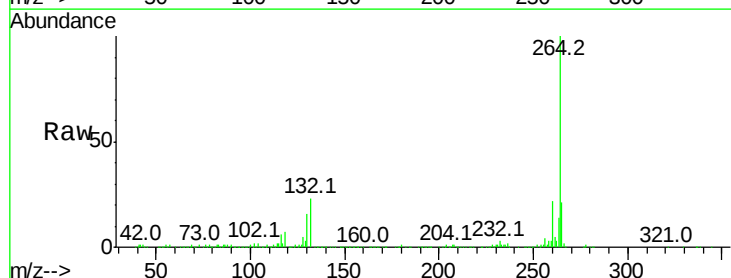
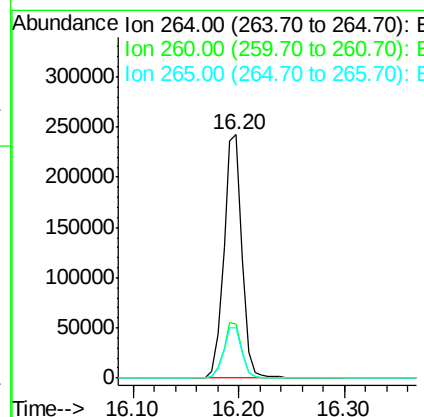
Manual Integrations
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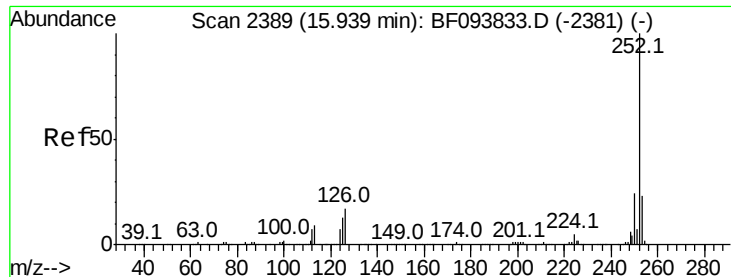
mohammad
 4/7/2017 5:21:04 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.20 min Scan# 2433
 Delta R.T. 0.01 min
 Lab File: BF094238.D
 Acq: 6 Apr 2017 19:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.5	29.3
265	20.5	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 51.15 ng

RT: 15.80 min Scan# 2365

Delta R.T. 0.01 min

Lab File: BF094238.D

Acq: 6 Apr 2017 19:50

Instrument :

BNA_F

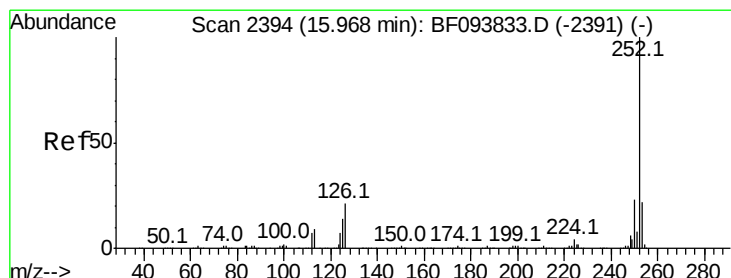
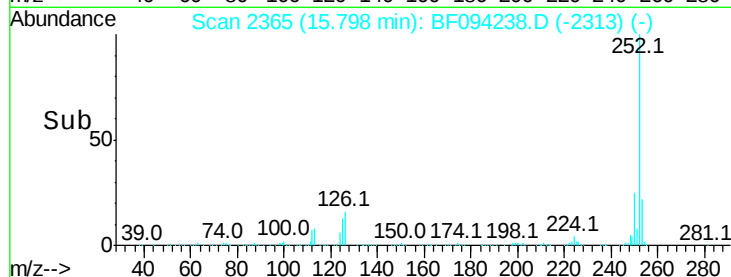
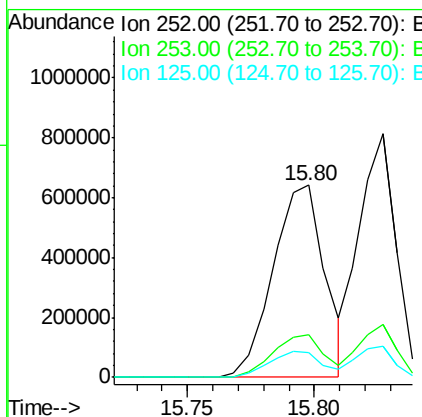
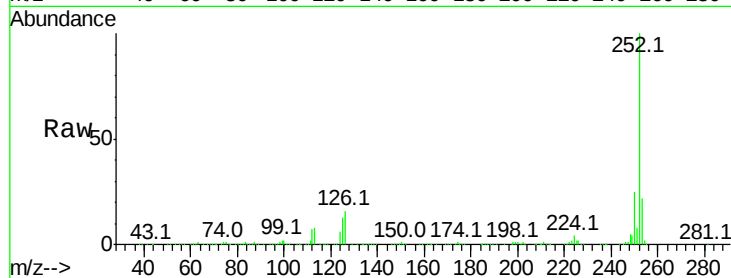
ClientSampleId :

GP-B-02(10-15)MSD

Tot Ion:	252	Resp:	909870
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.1	27.1
125	13.0	9.8	14.8

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4/7/2017 5:21:04 PM



#88

Benzo(k)fluoranthene

Concen: 48.19 ng

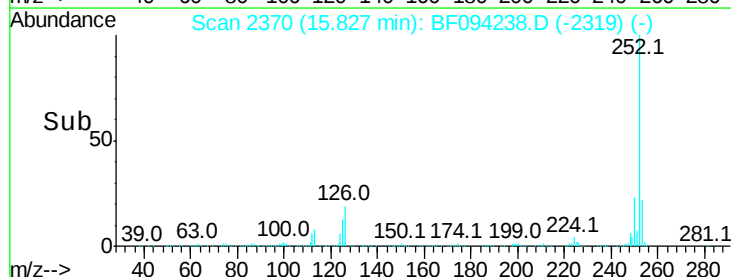
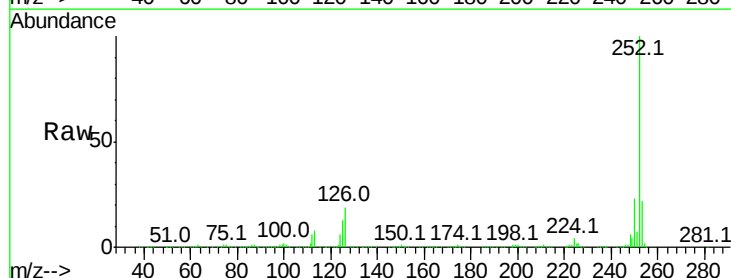
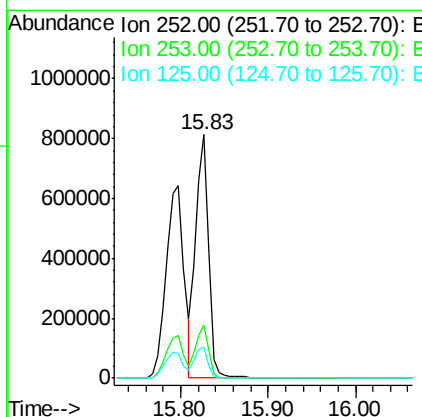
RT: 15.83 min Scan# 2370

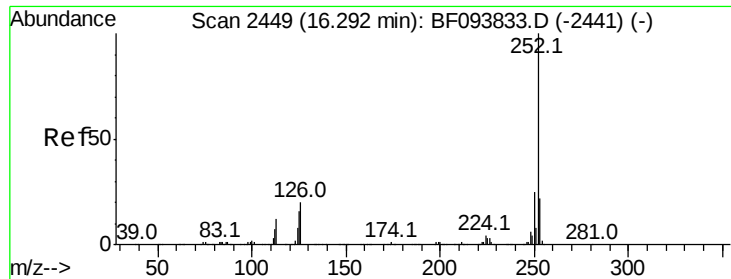
Delta R.T. -0.00 min

Lab File: BF094238.D

Acq: 6 Apr 2017 19:50

Tgt Ion:	252	Resp:	838729
Ion Ratio	Lower	Upper	
252	100		
253	21.5	18.4	27.6
125	12.6	13.1	19.7#





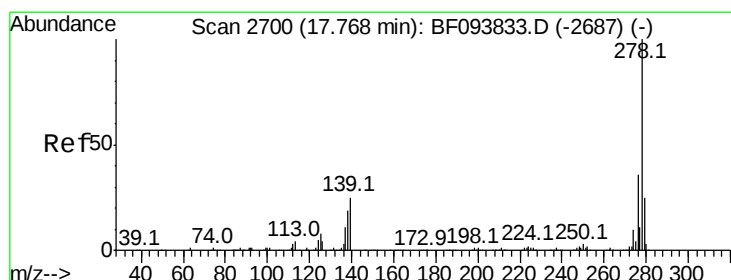
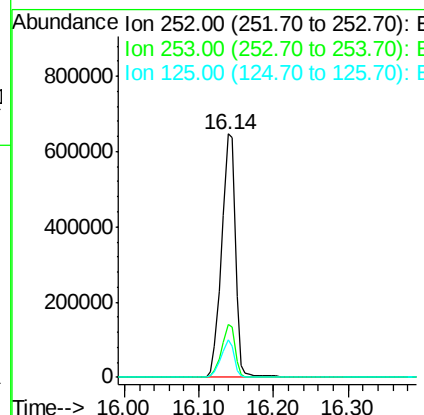
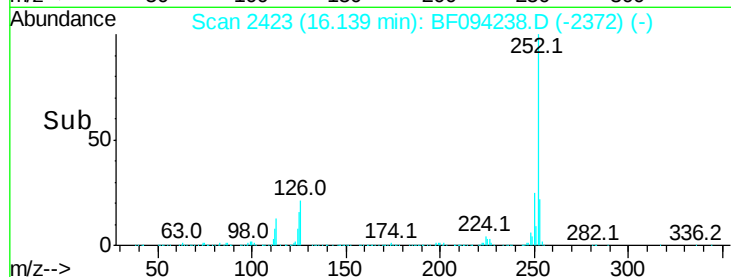
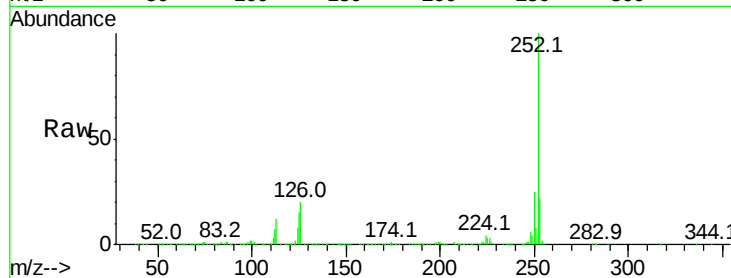
#89
Benzo(a)pyrene
Concen: 50.65 ng
RT: 16.14 min Scan# 2423
Delta R.T. -0.00 min
Lab File: BF094238.D
Acq: 6 Apr 2017 19:50

Instrument :
BNA_F
ClientSampleId :
GP-B-02(10-15)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	15.4	11.0	16.4

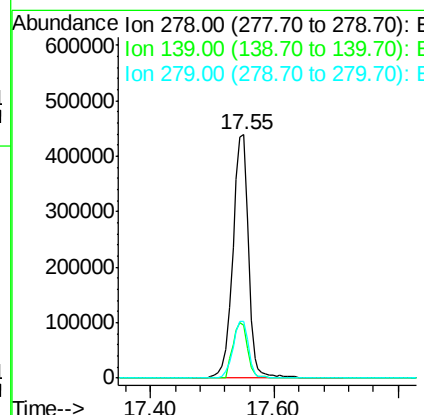
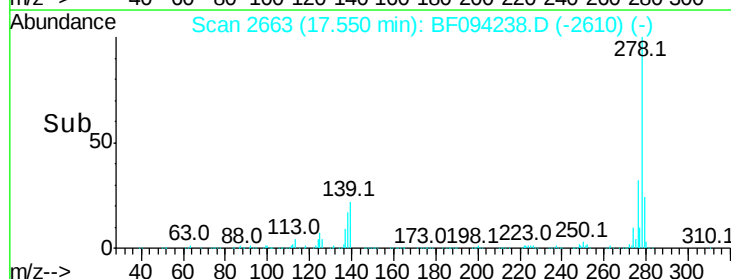
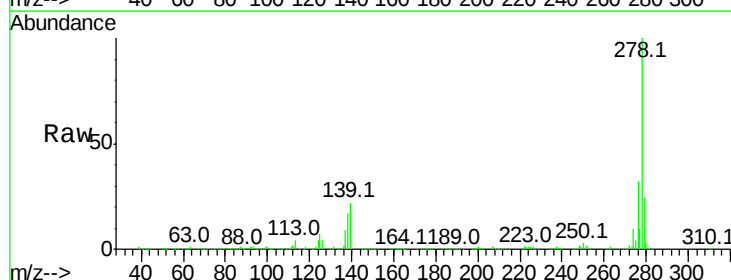
Manual Integrations
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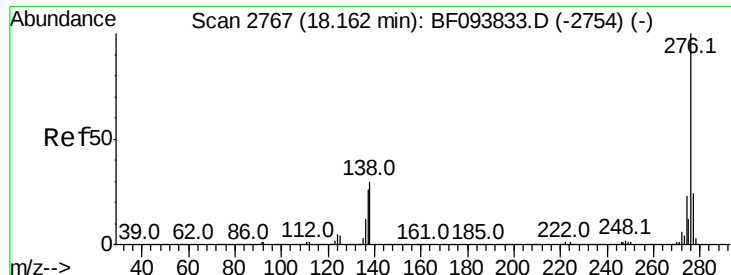
mohammad
4/7/2017 5:21:04 PM



#90
Dibenzo(a,h)anthracene
Concen: 55.86 ng
RT: 17.55 min Scan# 2663
Delta R.T. 0.01 min
Lab File: BF094238.D
Acq: 6 Apr 2017 19:50

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.7	16.6	24.8
279	23.6	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 57.50 ng
 RT: 17.92 min Scan# 2726
 Delta R.T. 0.01 min
 Lab File: BF094238.D
 Acq: 6 Apr 2017 19:50

Instrument :
 BNA_F
 ClientSampleId :
 GP-B-02(10-15)MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.6	28.0
138	29.6	25.4	38.0

Manual Integrations
 APPROVED

mohammad
 4/7/2017 5:21:04 PM

