

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041017\
 Data File : BF094321.D
 Acq On : 10 Apr 2017 19:49
 Operator : SJ/MA
 Sample : I2601-09MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-26-S1(0-2)MSD

Manual Integrations
 APPROVED

mohammad

4/11/2017 12:53:20 PM

Quant Time: Apr 11 01:57:37 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	5.84	152	162626	20.00	ng	-0.02
21) Naphthalene-d8	7.34	136	652419	20.00	ng	-0.02
38) Acenaphthene-d10	9.48	164	294309	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	507190	20.00	ng	-0.02
75) Chrysene-d12	14.56	240	380423	20.00	ng	-0.02
86) Perylene-d12	16.18	264	269208	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	4.40	112	1047888	108.83	ng	0.02
7) Phenol-d6	5.48	99	1331566	111.79	ng	0.02
23) Nitrobenzene-d5	6.49	82	829150	72.53	ng	-0.02
41) 2,4,6-Tribromophenol	10.46	330	279559	120.21	ng	-0.01
44) 2-Fluorobiphenyl	8.67	172	1482572	76.83	ng	-0.02
78) Terphenyl-d14	13.29	244	1222790	72.05	ng	-0.01

Target Compounds						Qvalue
2) 1,4-Dioxane	2.22	88	142096	30.72	ng	96
3) Pyridine	2.72	79	106340	8.43	ng	99
4) n-Nitrosodimethylamine	2.67	42	184742	35.61	ng	83
6) Aniline	5.46	93	289716	17.49	ng	92
8) 2-Chlorophenol	5.62	128	407920	38.54	ng	95
9) Benzaldehyde	5.33	77	160043	19.90	ng	96
10) Phenol	5.49	94	558199	41.18	ng	90
11) bis(2-Chloroethyl)ether	5.55	93	390424	36.86	ng	96
12) 1,3-Dichlorobenzene	5.77	146	442430	37.27	ng	99
13) 1,4-Dichlorobenzene	5.86	146	446721	37.15	ng	96
14) 1,2-Dichlorobenzene	6.03	146	411560	37.17	ng	96
15) Benzyl Alcohol	6.02	79	319701	36.67	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.17	45	519444	31.82	ng	# 36
17) 2-Methylphenol	6.17	107	326643	36.04	ng	# 92
18) Hexachloroethane	6.43	117	154987	36.67	ng	# 87
19) n-Nitroso-di-n-propylamine	6.33	70	298050	38.93	ng	96
20) 3+4-Methylphenols	6.35	107	452563	41.23	ng	# 61
22) Acetophenone	6.32	105	571699	39.32	ng	# 85
24) Nitrobenzene	6.51	77	418242	37.09	ng	96
25) Isophorone	6.80	82	741389	36.91	ng	96
26) 2-Nitrophenol	6.89	139	227461	42.30	ng	96
27) 2,4-Dimethylphenol	6.97	122	364138	39.30	ng	99
28) bis(2-Chloroethoxy)methane	7.06	93	483229	36.48	ng	99
29) 2,4-Dichlorophenol	7.20	162	344596	39.78	ng	99
30) 1,2,4-Trichlorobenzene	7.28	180	340569	38.17	ng	98
31) Naphthalene	7.37	128	1156819	36.88	ng	99
32) Benzoic acid	7.13	122	128586	20.85	ng	94
33) 4-Chloroaniline	7.44	127	260453	20.48	ng	94
34) Hexachlorobutadiene	7.52	225	171713	37.53	ng	99
35) Caprolactam	7.88	113	89361m	32.35	ng	
36) 4-Chloro-3-methylphenol	8.07	107	355670	39.29	ng	89
37) 2-Methylnaphthalene	8.21	142	791497	37.85	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.42	216	296119	36.78	ng	98
40) Hexachlorocyclopentadiene	8.40	237	284317	75.46	ng	99

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Manual Integrations
 APPROVED

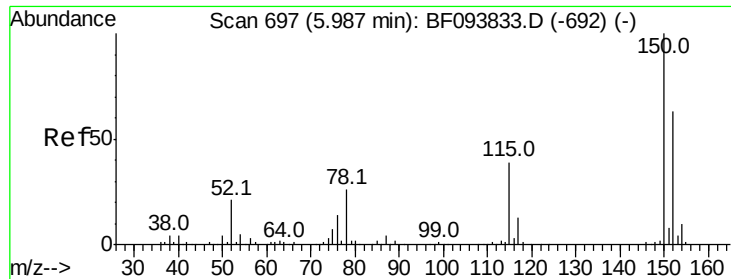
mohammad

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.57	196	226206	39.71	nq	98
43) 2,4,5-Trichlorophenol	8.63	196	225074	36.52	nq	95
45) 1,1'-Biphenyl	8.79	154	877510	36.97	nq	97
46) 2-Chloronaphthalene	8.80	162	704502	37.91	nq	95
47) 2-Nitroaniline	8.94	65	211223	38.32	nq #	84
48) Acenaphthylene	9.31	152	1087159	35.20	nq	99
49) Dimethylphthalate	9.18	163	1111391	53.12	nq	99
50) 2,6-Dinitrotoluene	9.25	165	183747	38.31	nq	99
51) Acenaphthene	9.53	154	649891	36.06	nq	99
52) 3-Nitroaniline	9.45	138	156294	27.75	nq	91
53) 2,4-Dinitrophenol	9.58	184	152310	60.55	nq #	72
54) Dibenzofuran	9.74	168	922079	37.59	nq	98
55) 4-Nitrophenol	9.72	139	334714	75.90	nq	89
56) 2,4-Dinitrotoluene	9.74	165	220413	36.59	nq #	72
57) Fluorene	10.16	166	712448	35.02	nq	99
58) 2,3,4,6-Tetrachlorophenol	9.90	232	165146	39.05	nq	96
59) Diethylphthalate	10.05	149	789463	38.18	nq	99
60) 4-Chlorophenyl-phenylether	10.16	204	308120	35.55	nq	95
61) 4-Nitroaniline	10.20	138	186865	34.58	nq	94
62) Azobenzene	10.36	77	755352	38.62	nq	94
64) 4,6-Dinitro-2-methylphenol	10.25	198	119564	38.49	nq #	63
65) n-Nitrosodiphenylamine	10.32	169	664200	37.87	nq	100
66) 4-Bromophenyl-phenylether	10.76	248	188373	37.76	nq	98
67) Hexachlorobenzene	10.83	284	192654	38.15	nq #	83
68) Atrazine	10.99	200	191876	36.52	nq	97
69) Pentachlorophenol	11.09	266	167880	53.41	nq	97
70) Phenanthrene	11.34	178	1022706	36.25	nq	99
71) Anthracene	11.40	178	1072471	36.92	nq	98
72) Carbazole	11.61	167	999243	33.54	nq	98
73) Di-n-butylphthalate	12.05	149	1195265	38.58	nq	99
74) Fluoranthene	12.80	202	1041969	36.07	nq	99
77) Pyrene	13.07	202	1050828	38.06	nq	99
79) Butylbenzylphthalate	13.89	149	492739	41.89	nq #	87
80) Benzo(a)anthracene	14.54	228	803045	36.20	nq	99
81) 3,3'-Dichlorobenzidine	14.52	252	180756	22.80	nq #	96
82) Chrysene	14.59	228	701050	34.05	nq	99
83) Bis(2-ethylhexyl)phthalate	14.60	149	670671	41.79	nq	99
84) Di-n-octyl phthalate	15.36	149	1055291	39.36	nq	97
85) Indeno(1,2,3-cd)pyrene	17.50	276	608284	34.12	nq	99
87) Benzo(b)fluoranthene	15.78	252	617426	37.42	nq	99
88) Benzo(k)fluoranthene	15.81	252	594566	36.83	nq	96
89) Benzo(a)pyrene	16.13	252	564783	37.17	nq	99
90) Dibenzo(a,h)anthracene	17.52	278	504427	39.20	nq	98
91) Benzo(g,h,i)perylene	17.89	276	516991	39.86	nq	98

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



#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.84 min Scan# 672
Delta R.T. -0.02 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

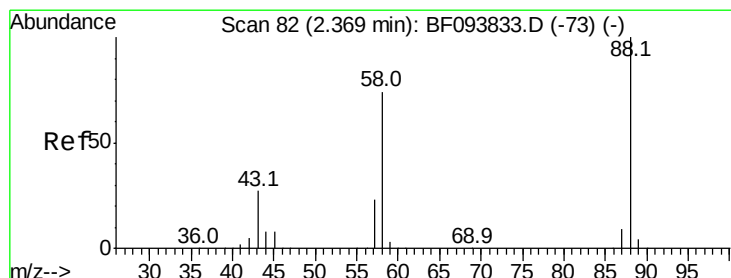
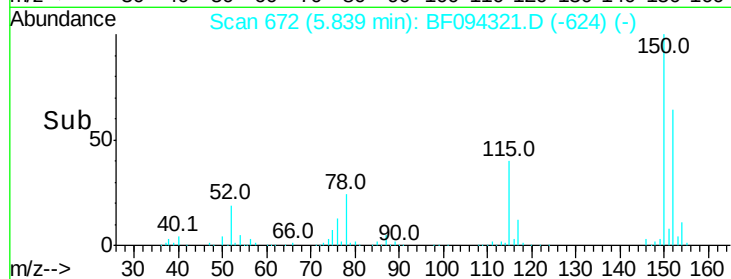
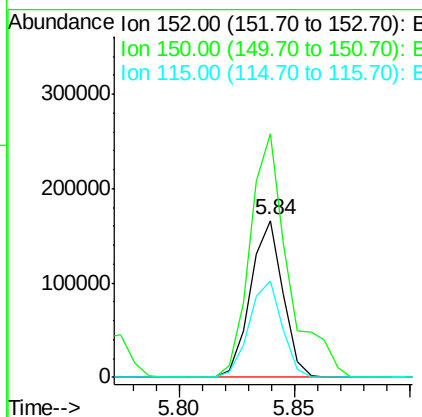
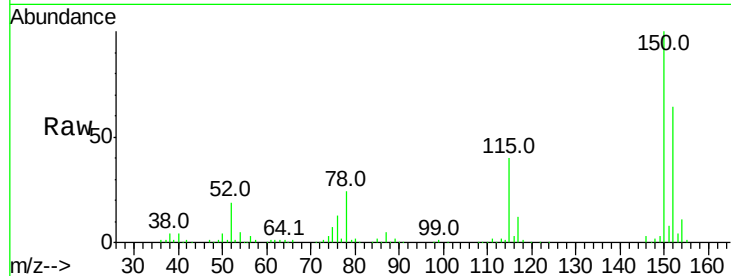
Instrument :
BNA_F
ClientSampleId :
B-26-S1(0-2)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	126.2	189.2
115	61.6	52.2	78.2

Manual Integrations
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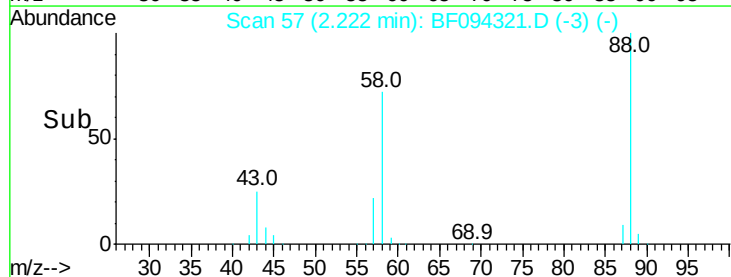
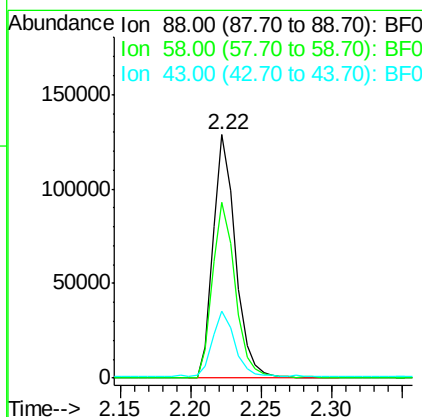
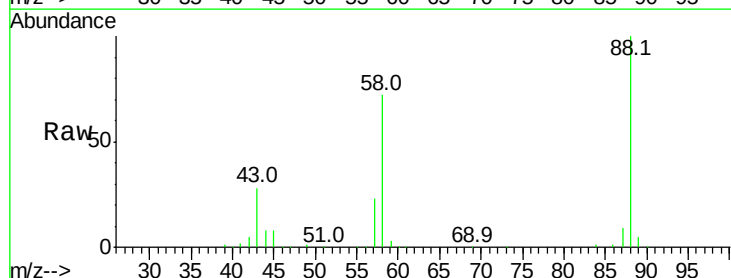
4/11/2017 12:53:20 PM

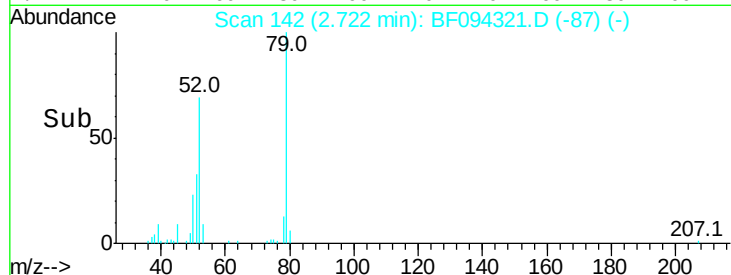
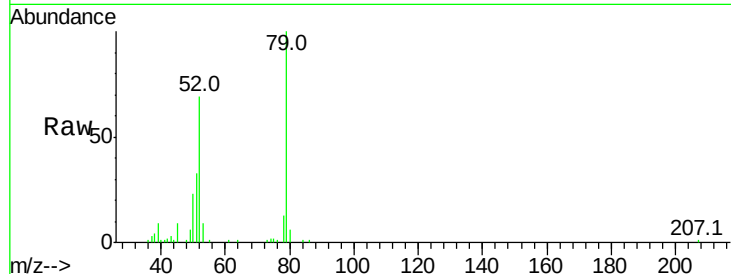
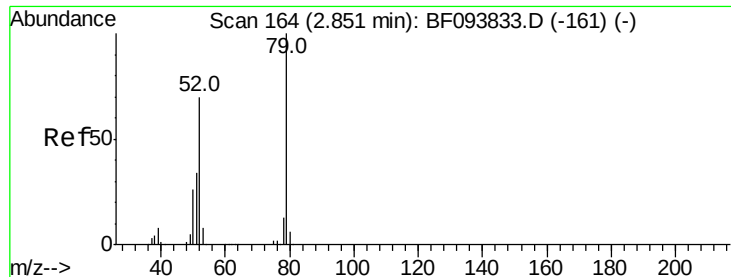


#2

1,4-Dioxane
Concen: 30.72 ng
RT: 2.22 min Scan# 57
Delta R.T. 0.02 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

Tgt Ion	Ratio	Lower	Upper
88	100		
58	73.4	61.4	92.0
43	27.2	23.4	35.0





#3
Pvridine
Concen: 8.43 ng
RT: 2.72 min Scan# 142
Delta R.T. 0.02 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

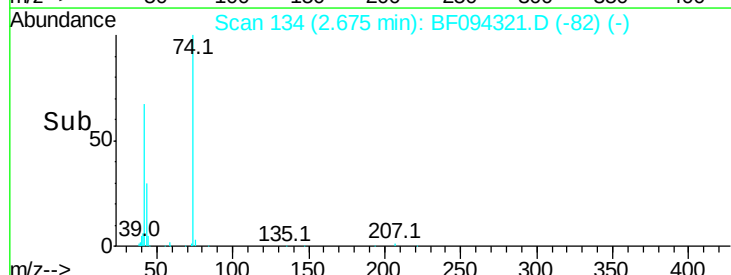
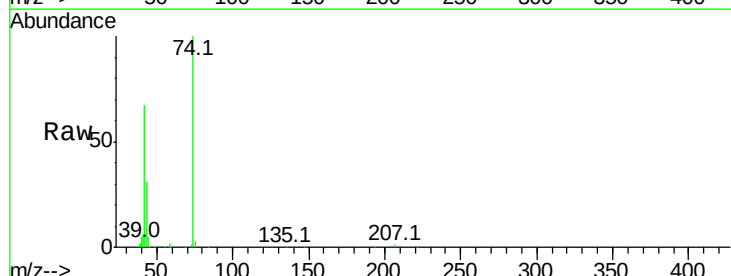
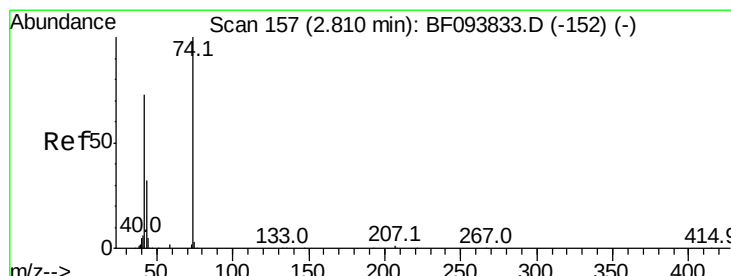
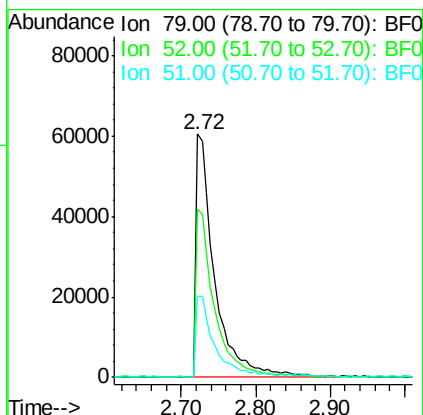
Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100		106340		
52	68.9	54.8	82.2		
51	33.3	27.0	40.4		

Instrument :
BNA_F
ClientSampleId :
B-26-S1(0-2)MSD

Manual Integrations
APPROVED

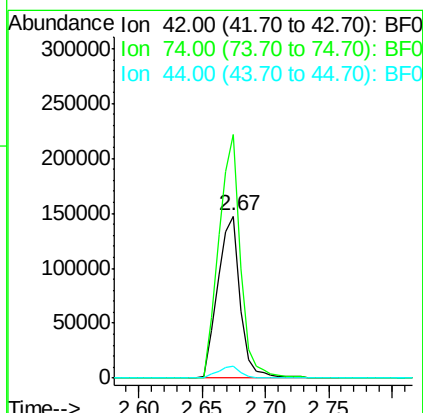
mohammad

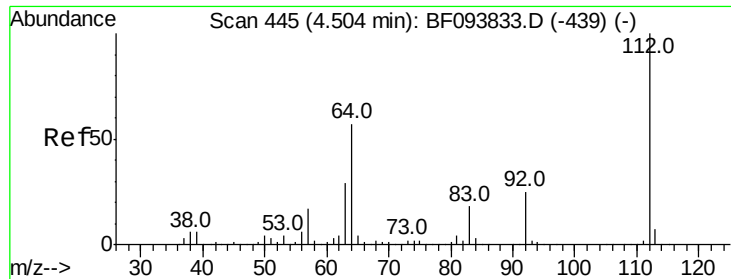
4/11/2017 12:53:20 PM



#4
n-Nitrosodimethylamine
Concen: 35.61 ng
RT: 2.67 min Scan# 134
Delta R.T. 0.01 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100		184742		
74	150.3	103.9	155.9		
44	7.5	5.7	8.5		





#5

2-Fluorophenol

Concen: 108.83 ng

RT: 4.40 min Scan# 428

Delta R.T. 0.02 min

Lab File: BF094321.D

Acq: 10 Apr 2017 19:49

Instrument :

BNA_F

ClientSampleId :

B-26-S1(0-2)MSD

Tot Ion:112 Resp: 1047888

Ion Ratio Lower Upper

112 100

64 55.4 46.0 69.0

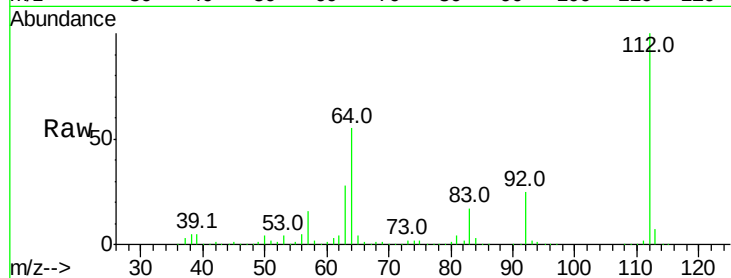
63 27.7 23.4 35.0

Manual Integrations

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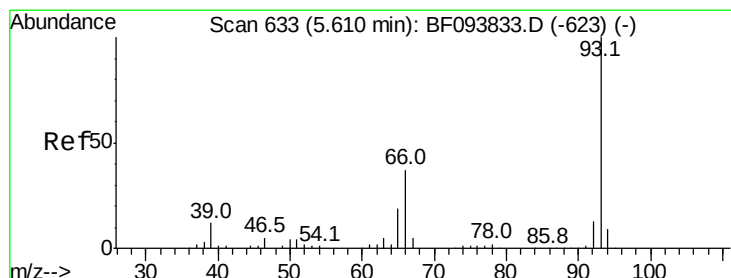
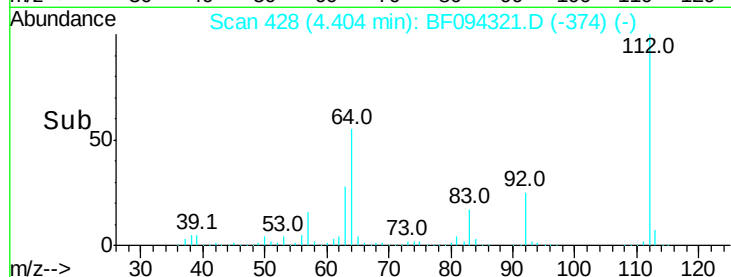
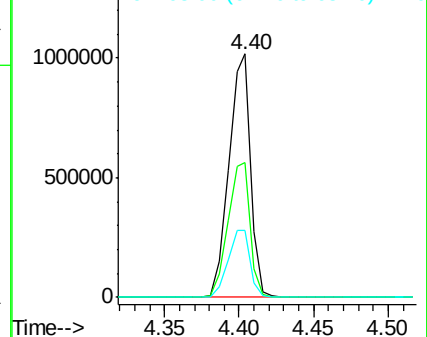
4/11/2017 12:53:20 PM



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: 17.49 ng

RT: 5.46 min Scan# 608

Delta R.T. -0.02 min

Lab File: BF094321.D

Acq: 10 Apr 2017 19:49

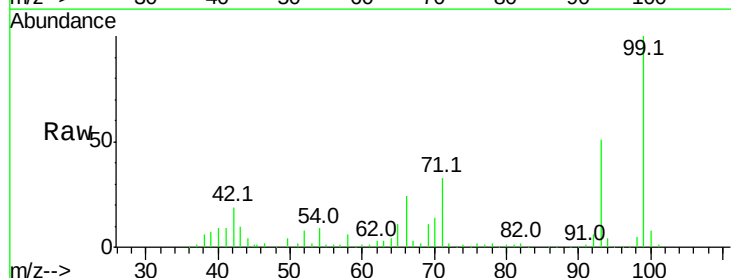
Tgt Ion: 93 Resp: 289716

Ion Ratio Lower Upper

93 100

66 47.5 32.9 49.3

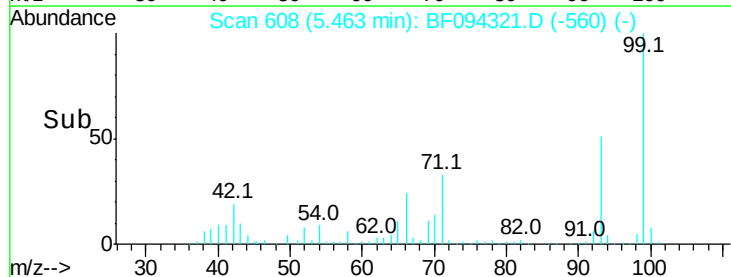
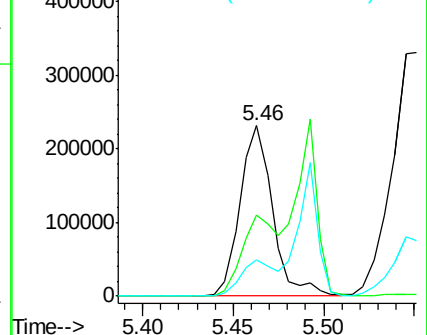
65 21.4 16.0 24.0

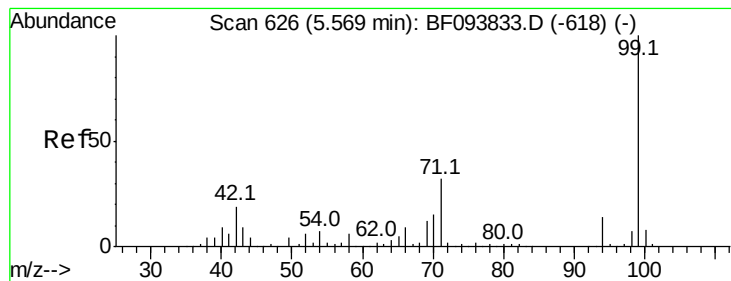


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 111.79 ng

RT: 5.48 min Scan# 611

Delta R.T. 0.02 min

Lab File: BF094321.D

Acq: 10 Apr 2017 19:49

Instrument :

BNA_F

ClientSampleId :

B-26-S1(0-2)MSD

Tot Ion: 99 Resp: 1331566

Ion Ratio Lower Upper

99 100

42 17.5 13.5 20.3

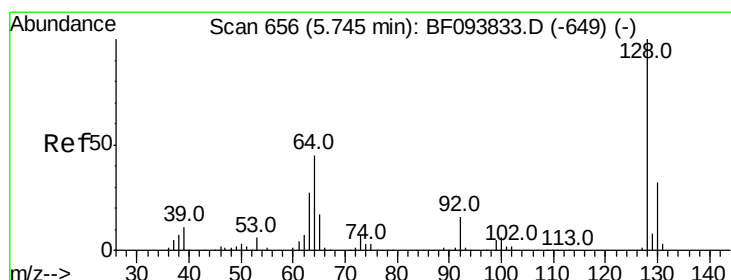
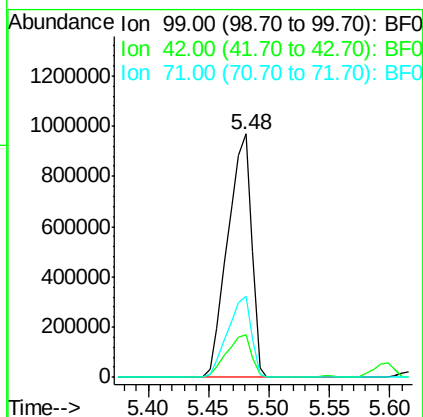
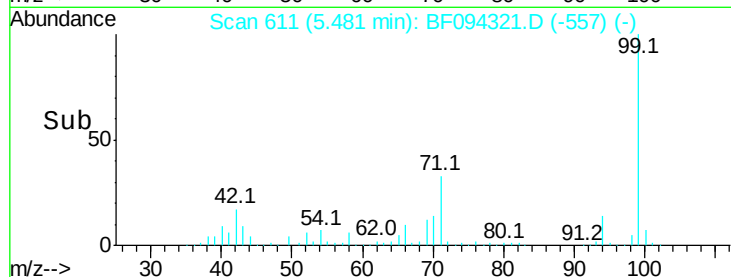
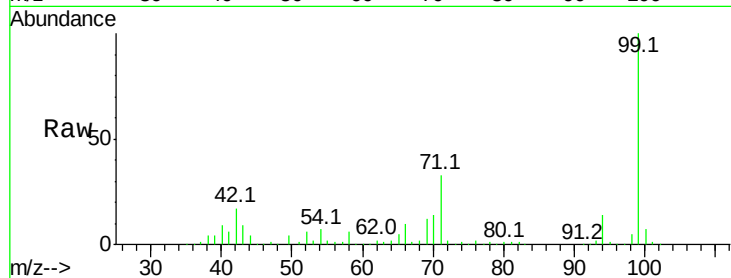
71 33.1 24.5 36.7

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#8

2-Chlorophenol

Concen: 38.54 ng

RT: 5.62 min Scan# 634

Delta R.T. -0.01 min

Lab File: BF094321.D

Acq: 10 Apr 2017 19:49

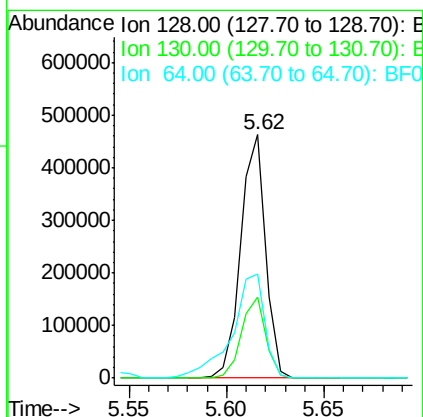
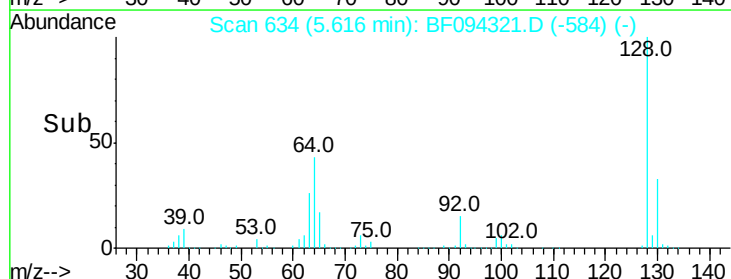
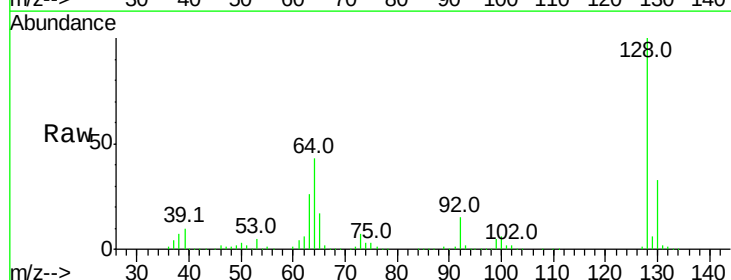
Tgt Ion: 128 Resp: 407920

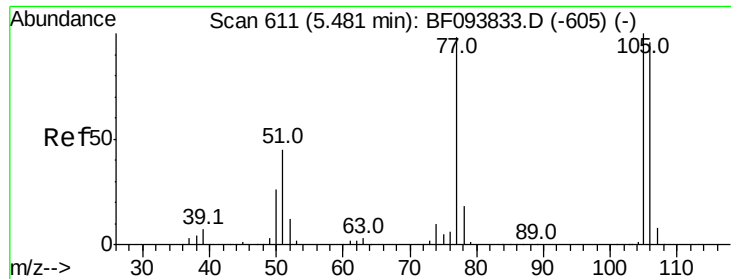
Ion Ratio Lower Upper

128 100

130 33.5 12.9 52.9

64 42.7 28.4 68.4





#9

Benzaldehyde

Concen: 19.90 ng

RT: 5.33 min Scan# 585

Delta R.T. -0.02 min

Lab File: BF094321.D

Acq: 10 Apr 2017 19:49

Instrument :

BNA_F

ClientSampleId :

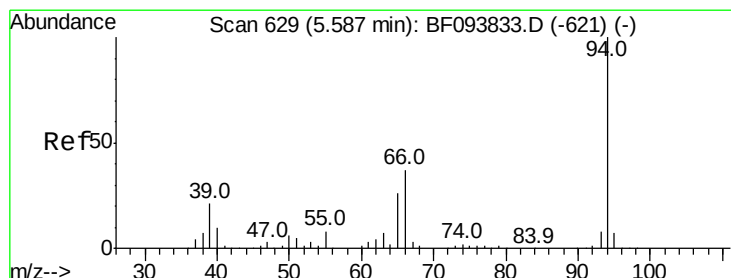
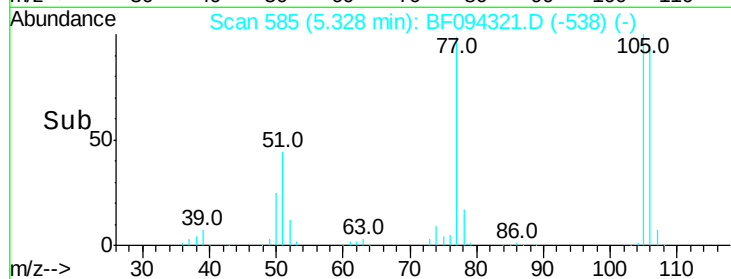
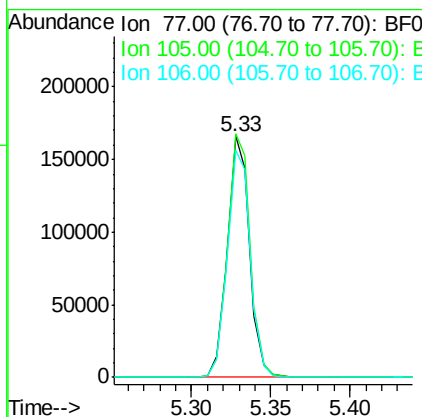
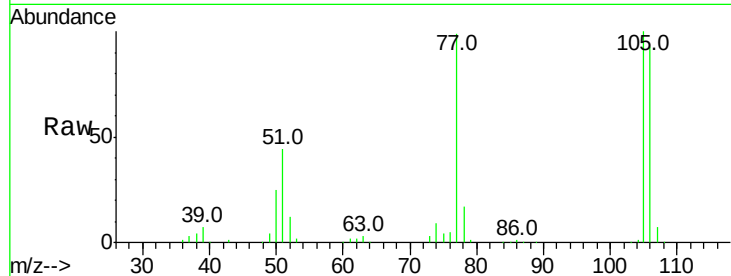
B-26-S1(0-2)MSD

Tot Ion:	77	Resp:	160043
Ion Ratio	Lower	Upper	
77	100		
105	101.0	83.8	123.8
106	94.0	79.1	119.1

Manual Integrations
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#10

Phenol

Concen: 41.18 ng

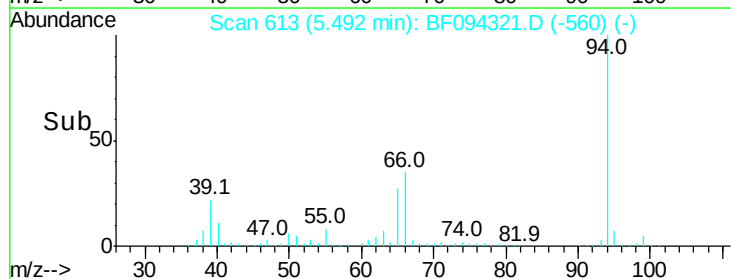
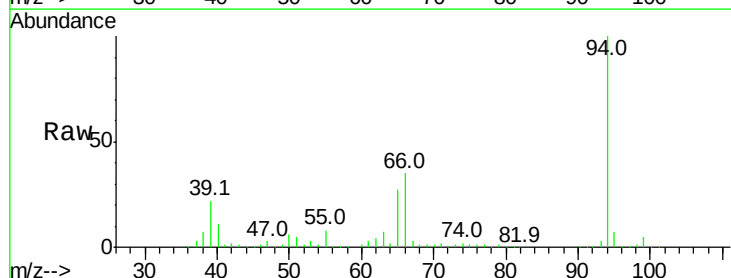
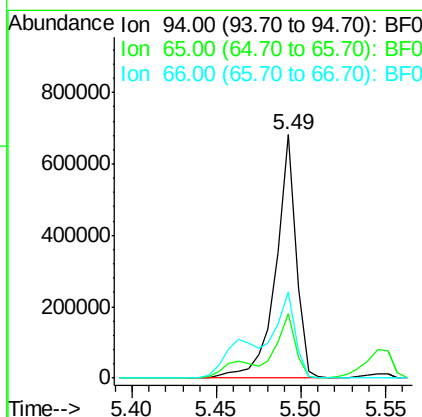
RT: 5.49 min Scan# 613

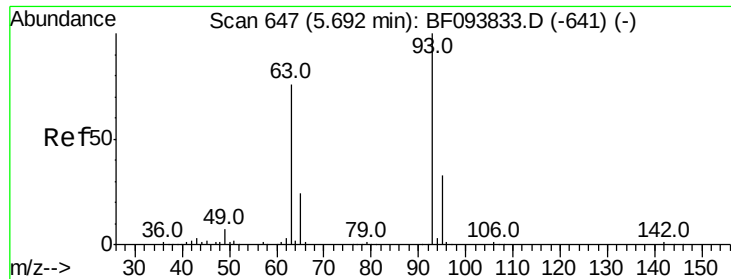
Delta R.T. 0.01 min

Lab File: BF094321.D

Acq: 10 Apr 2017 19:49

Tgt Ion:	94	Resp:	558199
Ion Ratio	Lower	Upper	
94	100		
65	26.6	9.9	49.9
66	35.3	23.1	63.1





#11
bis(2-Chloroethyl)ether
Concen: 36.86 ng
RT: 5.55 min Scan# 623
Delta R.T. -0.01 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

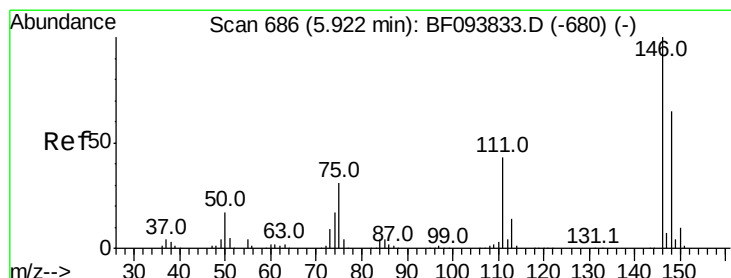
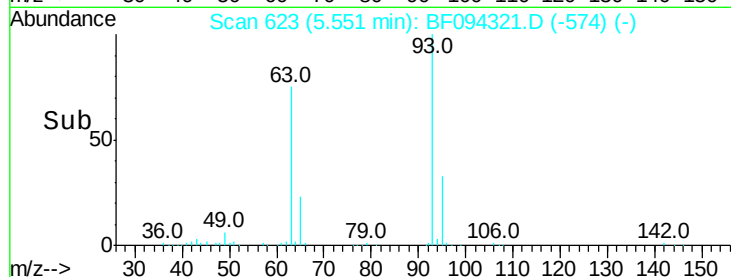
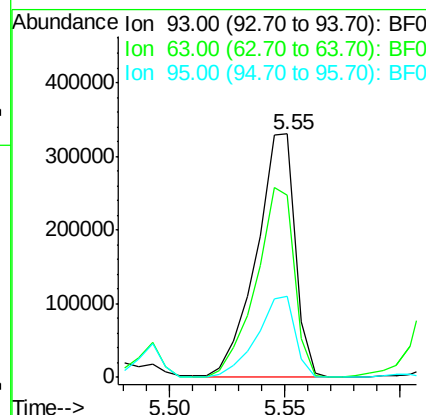
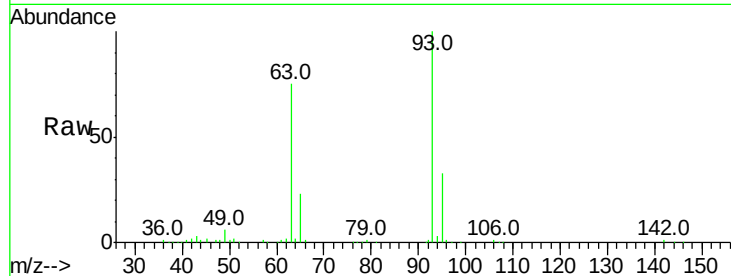
Instrument :
BNA_F
ClientSampleId :
B-26-S1(0-2)MSD

Tot Ion:	93	Resp:	390424
Ion Ratio	Lower	Upper	
93	100		
63	75.0	59.2	99.2
95	33.1	12.8	52.8

Manual Integrations
APPROVED

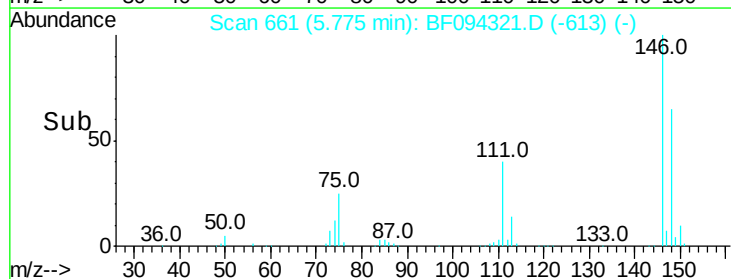
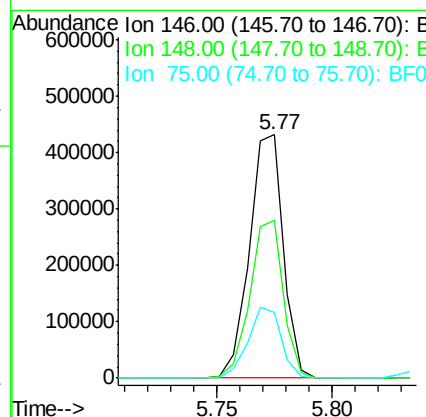
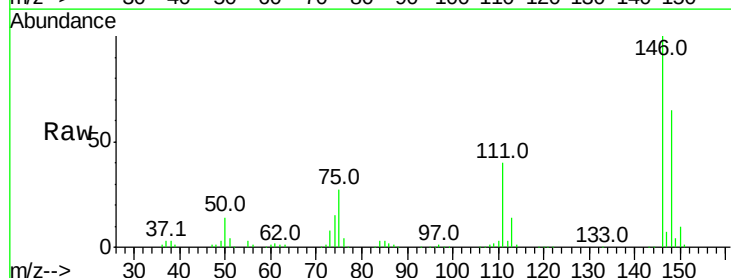
mohammad

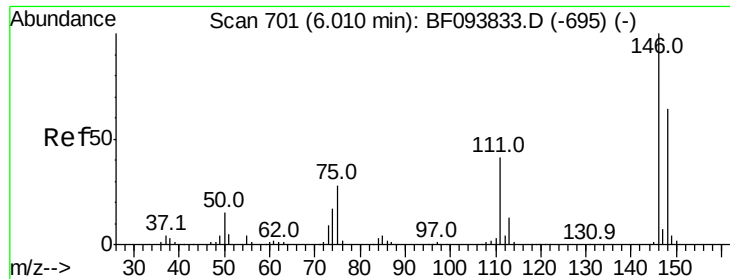
4/11/2017 12:53:20 PM



#12
1,3-Dichlorobenzene
Concen: 37.27 ng
RT: 5.77 min Scan# 661
Delta R.T. -0.02 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

Tgt Ion:	146	Resp:	442430
Ion Ratio	Lower	Upper	
146	100		
148	64.7	51.8	77.6
75	26.8	23.1	34.7





#13
 1,4-Dichlorobenzene
 Concen: 37.15 ng
 RT: 5.86 min Scan# 675
 Delta R.T. -0.02 min
 Lab File: BF094321.D
 Acq: 10 Apr 2017 19:49

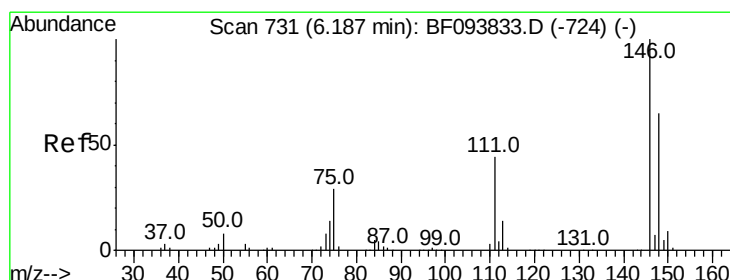
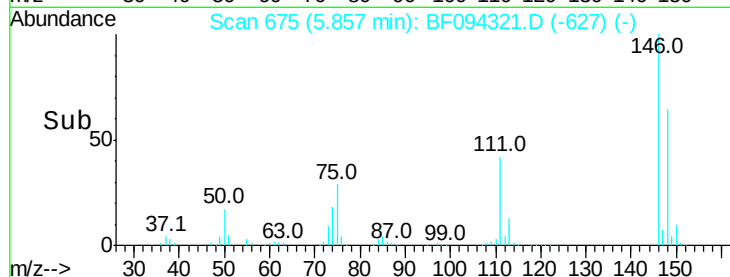
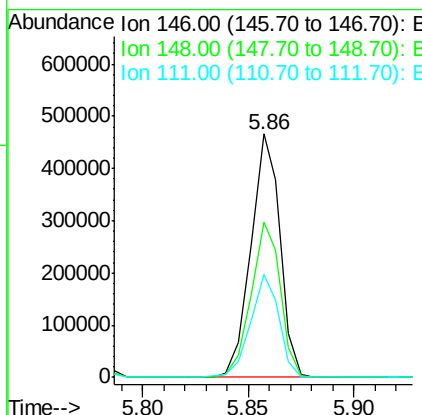
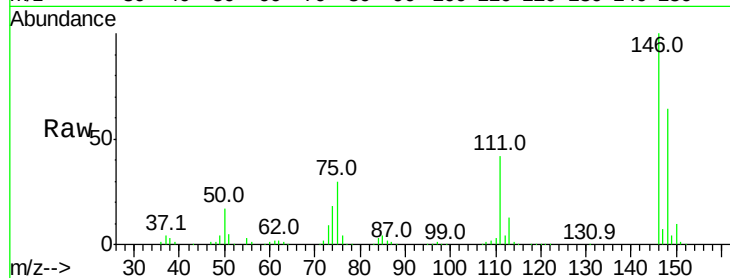
Instrument :
 BNA_F
 ClientSampleId :
 B-26-S1(0-2)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.6	52.2	78.2
111	42.1	30.3	45.5

Manual Integrations
 APPROVED

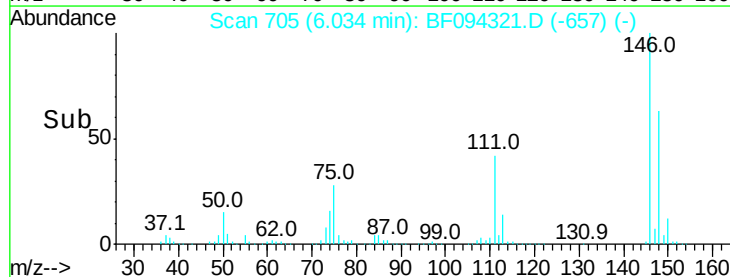
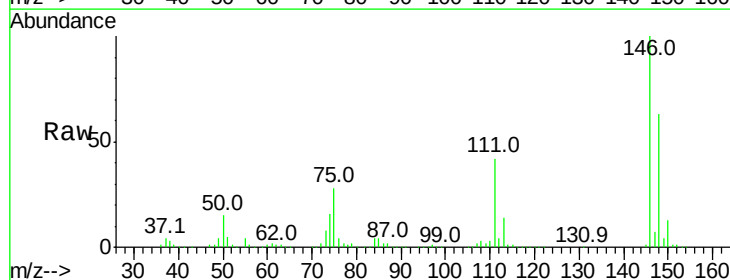
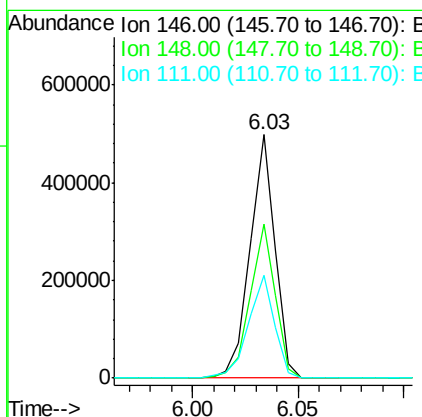
mohammad

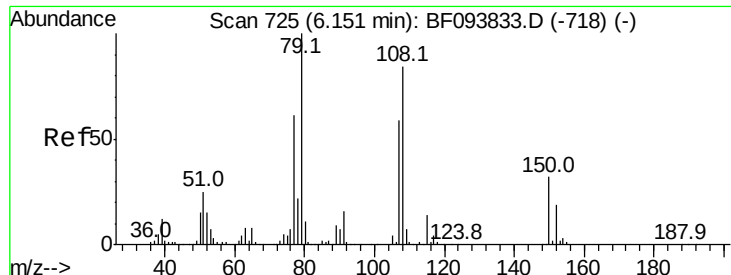
4/11/2017 12:53:20 PM



#14
 1,2-Dichlorobenzene
 Concen: 37.17 ng
 RT: 6.03 min Scan# 705
 Delta R.T. -0.02 min
 Lab File: BF094321.D
 Acq: 10 Apr 2017 19:49

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.4	75.6
111	42.5	38.2	57.4





#15
Benzyl Alcohol
Concen: 36.67 ng
RT: 6.02 min Scan# 702
Delta R.T. -0.01 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

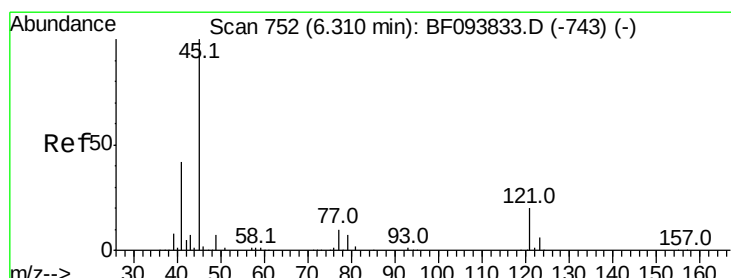
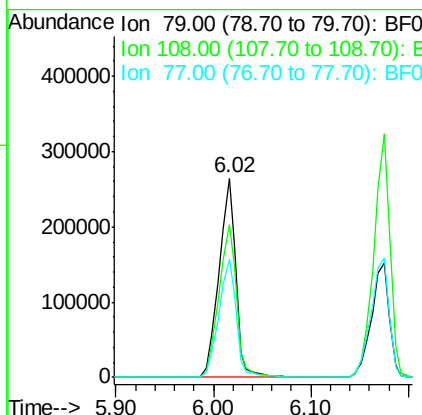
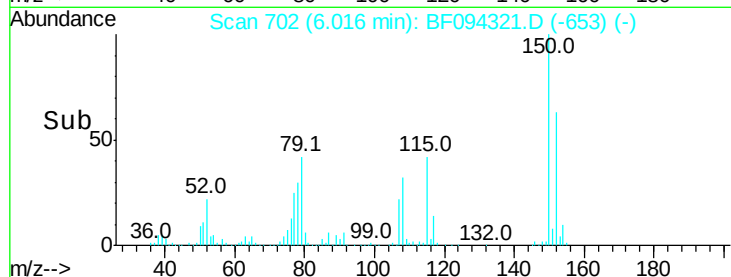
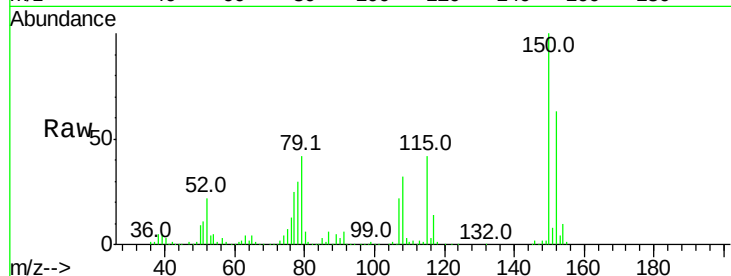
Instrument :
BNA_F
ClientSampleId :
B-26-S1(0-2)MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	76.5	63.4	95.0
77	59.4	49.2	73.8

Manual Integrations
APPROVED

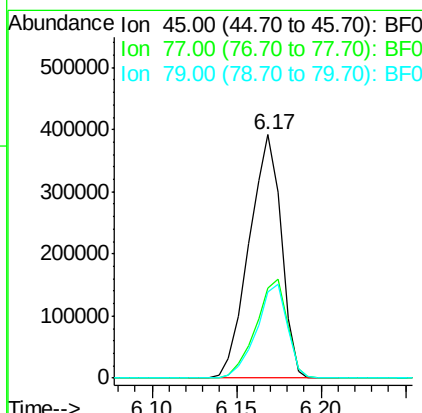
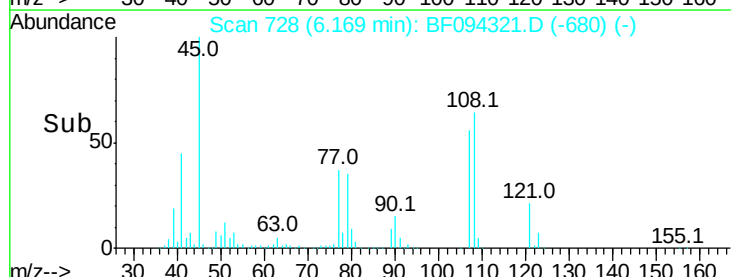
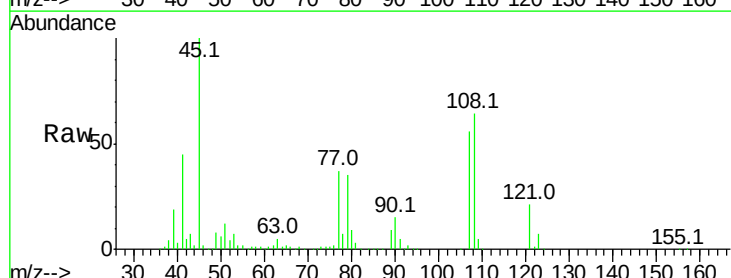
mohammad

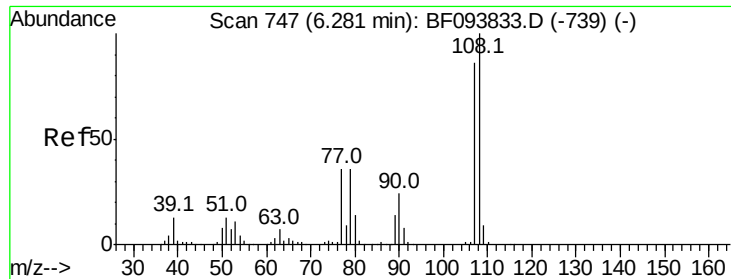
4/11/2017 12:53:20 PM



#16
2,2'-oxybis(1-chloropropane)
Concen: 31.82 ng
RT: 6.17 min Scan# 728
Delta R.T. -0.02 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

Tgt Ion	Ratio	Lower	Upper
45	100		
77	37.1	0.0	33.2#
79	35.4	0.0	30.0#





#17
2-Methylphenol
Concen: 36.04 ng
RT: 6.17 min Scan# 729
Delta R.T. 0.01 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

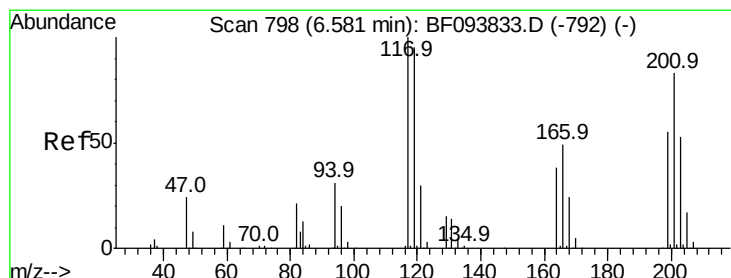
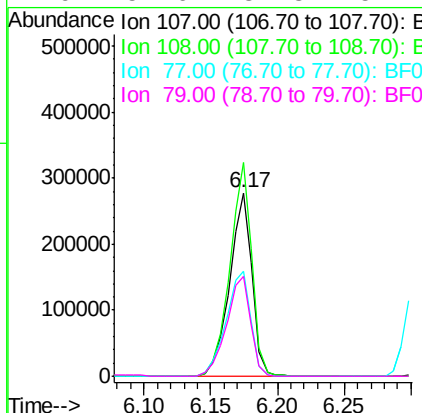
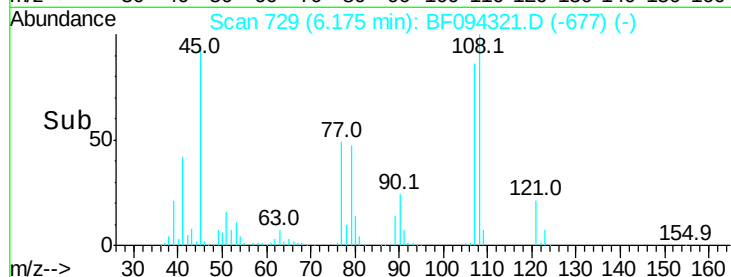
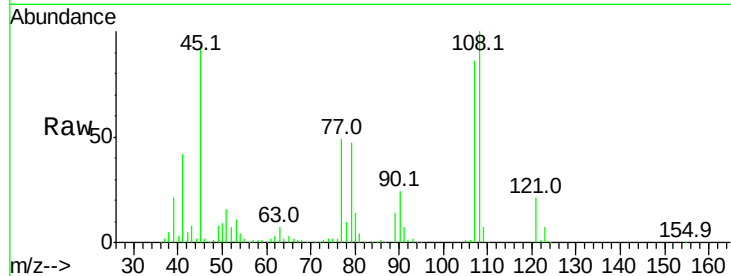
Instrument :
BNA_F
ClientSampleId :
B-26-S1(0-2)MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	116.6	93.4	140.0
77	57.4	35.8	53.6#
79	54.6	34.8	52.2#

Manual Integrations
APPROVED

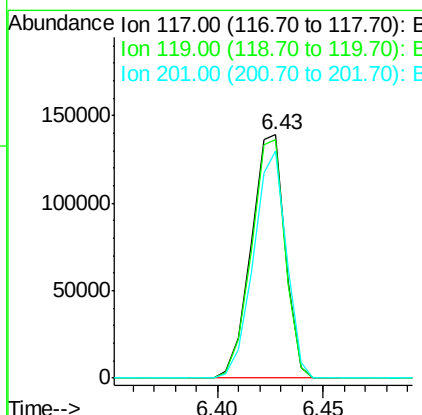
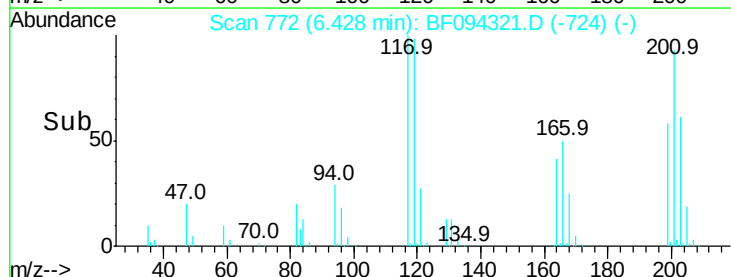
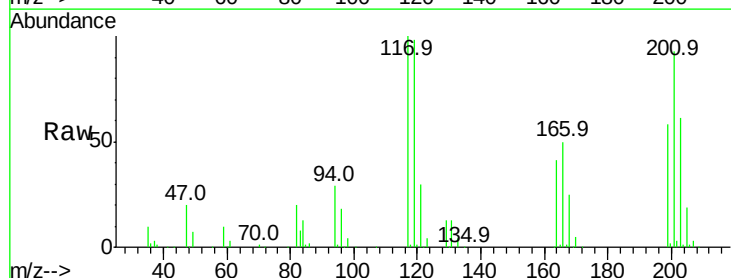
mohammad

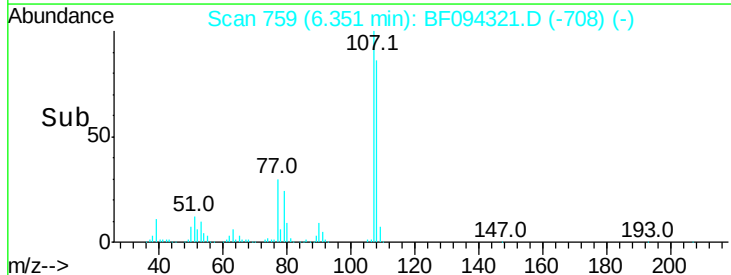
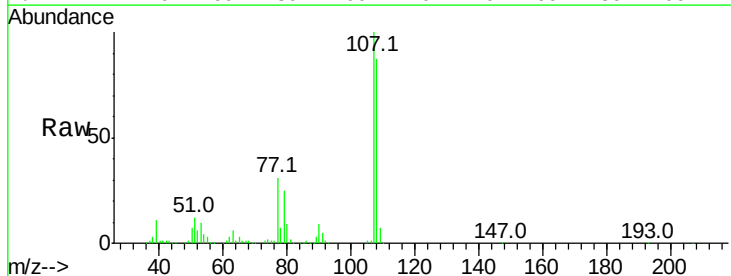
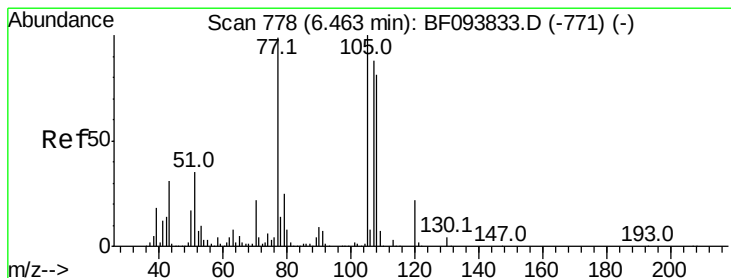
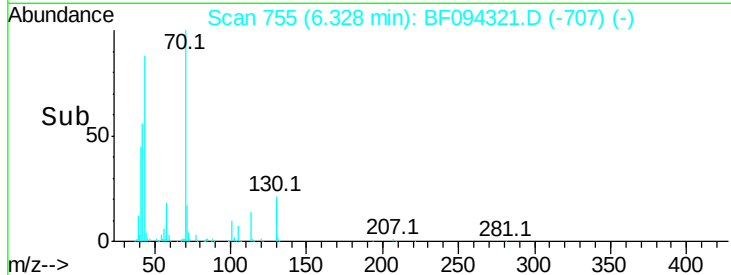
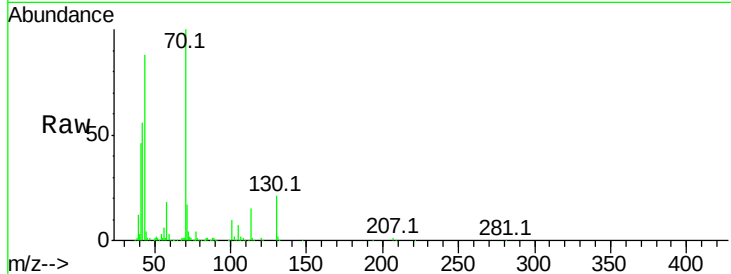
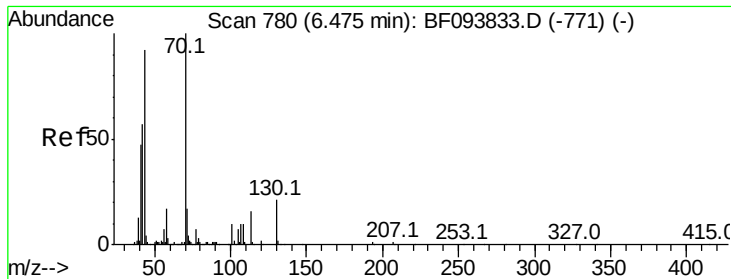
4/11/2017 12:53:20 PM



#18
Hexachloroethane
Concen: 36.67 ng
RT: 6.43 min Scan# 772
Delta R.T. -0.02 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

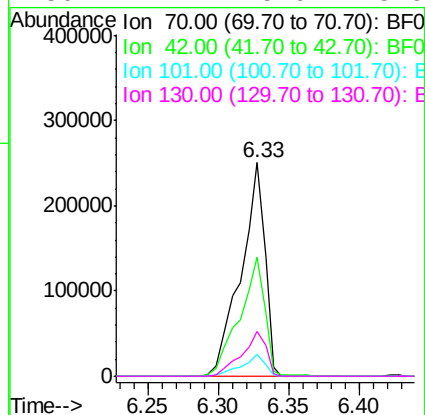
Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.4	116.0
201	93.3	94.6	141.8#





#19
n-Nitroso-di-n-propylamine
Concen: 38.93 ng
RT: 6.33 min Scan# 755
Delta R.T. -0.02 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

Tot Ion	Ratio	Lower	Upper
70	100		
42	55.6	47.2	70.8
101	9.9	7.2	10.8
130	21.2	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
B-26-S1(0-2)MSD

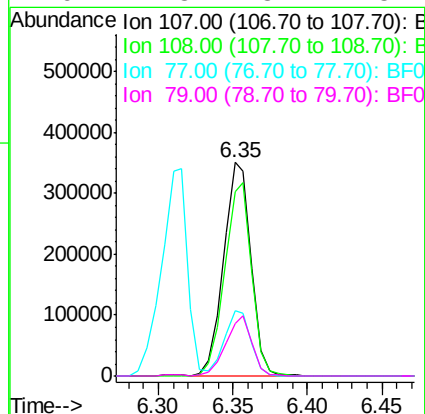
Manual Integrations
APPROVED

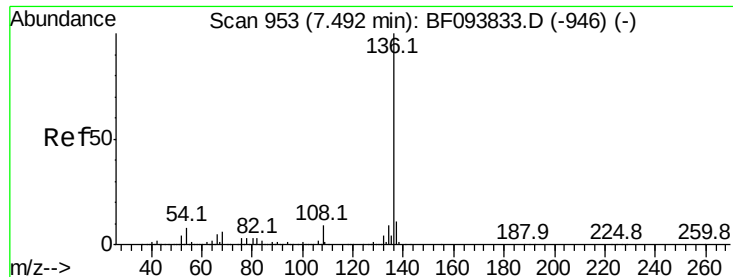
mohammad

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#20
3+4-Methylphenols
Concen: 41.23 ng
RT: 6.35 min Scan# 759
Delta R.T. -0.00 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

Tgt Ion	Ratio	Lower	Upper
107	100		
108	86.5	71.0	111.0
77	30.7	90.5	130.5#
79	24.8	8.4	48.4





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.34 min Scan# 927
Delta R.T. -0.02 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

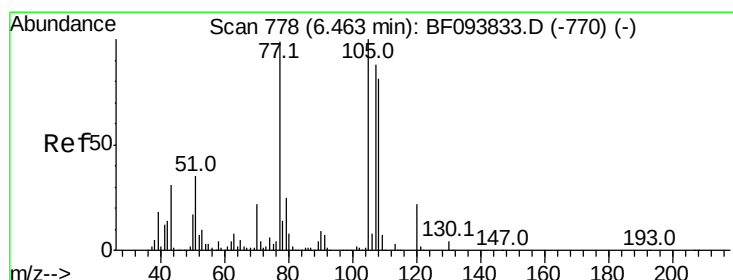
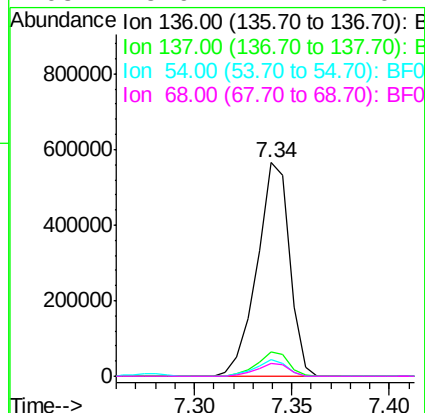
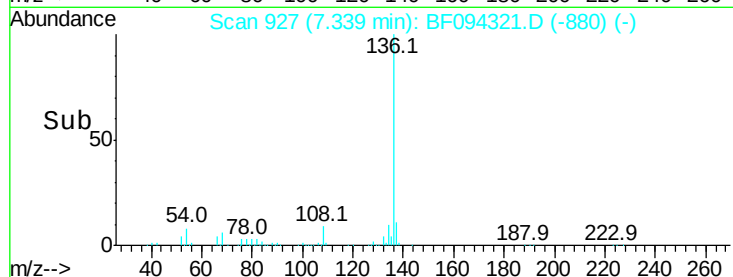
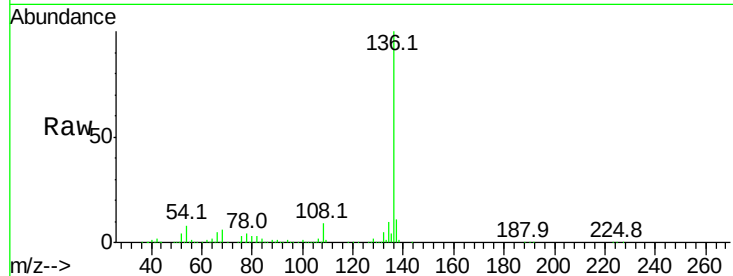
Instrument :
BNA_F
ClientSampleId :
B-26-S1(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	652419		
137	11.3		8.5	12.7
54	7.9		4.9	7.3#
68	5.9		4.1	6.1

Manual Integrations
APPROVED

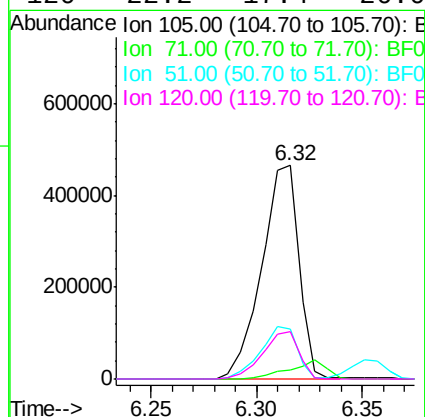
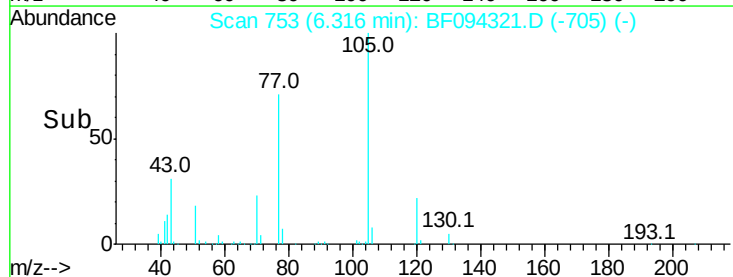
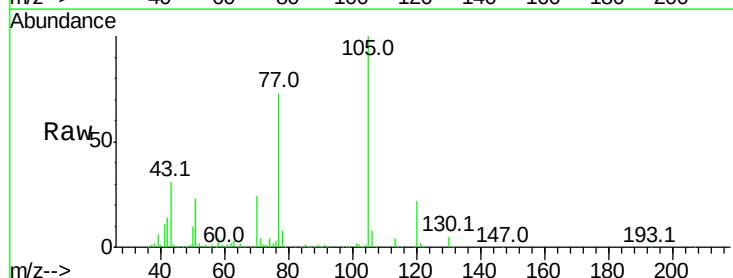
mohammad

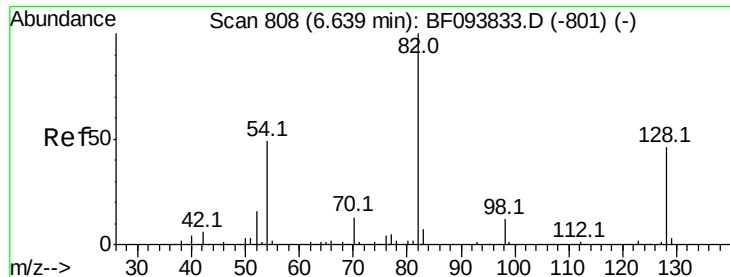
4/11/2017 12:53:20 PM



#22
Acetophenone
Concen: 39.32 ng
RT: 6.32 min Scan# 753
Delta R.T. -0.02 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	571699		
71	3.9		2.8	4.2
51	23.4		30.7	46.1#
120	22.2		17.4	26.0





#23
Nitrobenzene-d5
Concen: 72.53 ng
RT: 6.49 min Scan# 783
Delta R.T. -0.02 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

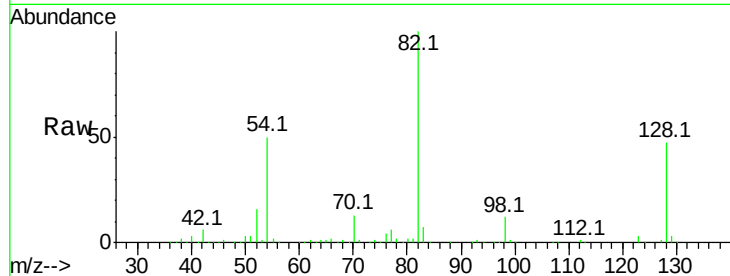
Instrument :
BNA_F
ClientSampleId :
B-26-S1(0-2)MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.9	34.0	51.0
54	49.9	42.2	63.2

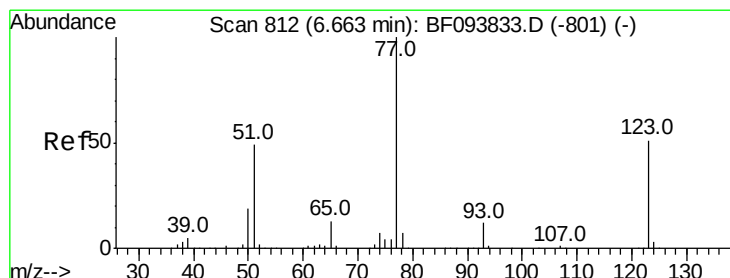
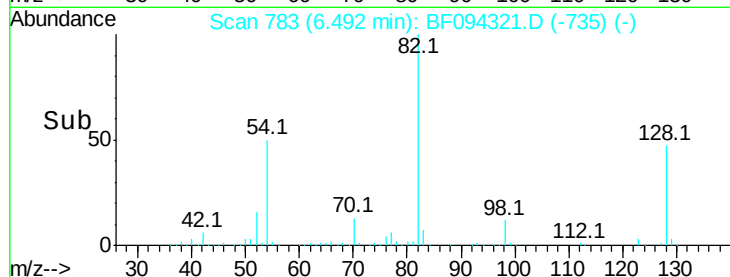
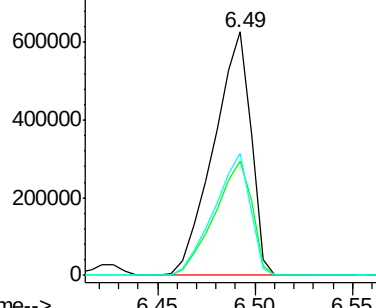
Manual Integrations
APPROVED

mohammad

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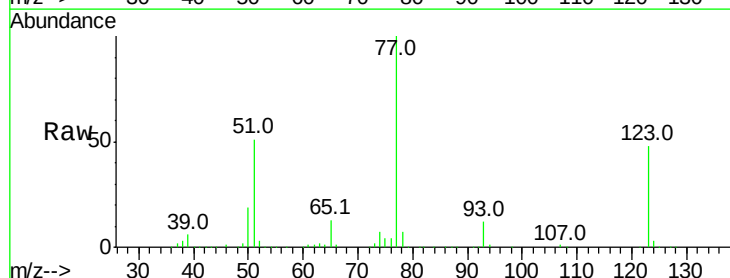


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

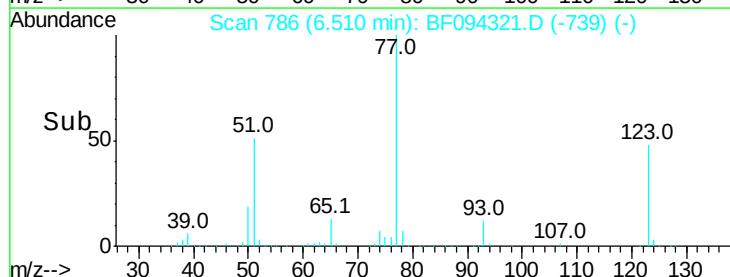
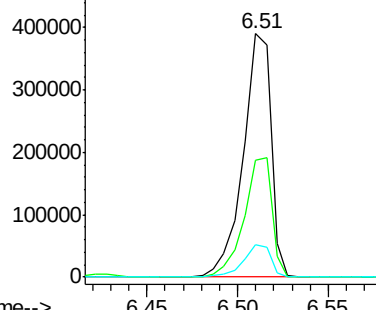


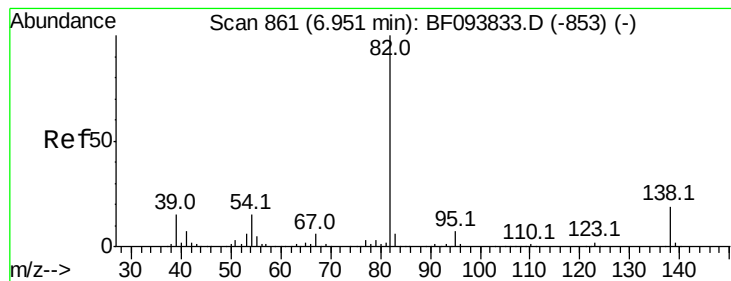
#24
Nitrobenzene
Concen: 37.09 ng
RT: 6.51 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

Tgt Ion	Ratio	Lower	Upper
77	100		
123	48.2	35.8	53.8
65	13.3	10.6	15.8



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 36.91 ng

RT: 6.80 min Scan# 835

Delta R.T. -0.02 min

Lab File: BF094321.D

Acq: 10 Apr 2017 19:49

Instrument :

BNA_F

ClientSampleId :

B-26-S1(0-2)MSD

Tot Ion: 82 Resp: 741389

Ion Ratio Lower Upper

82 100

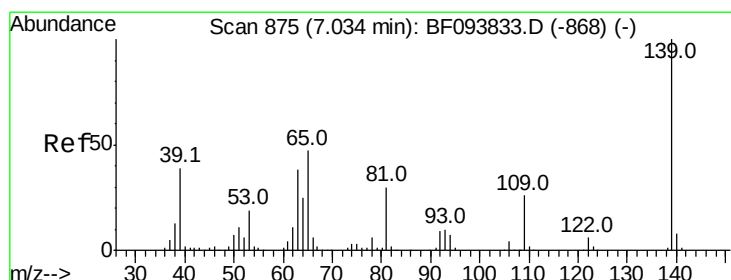
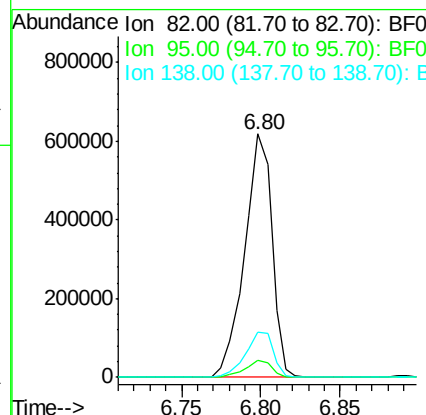
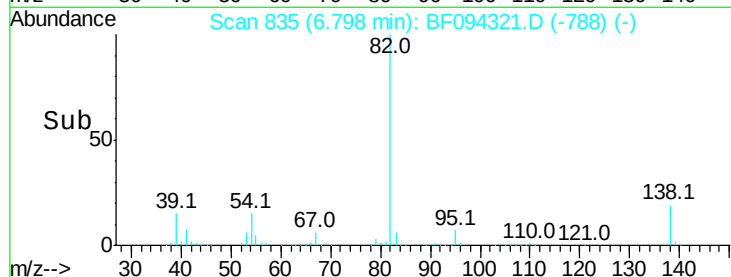
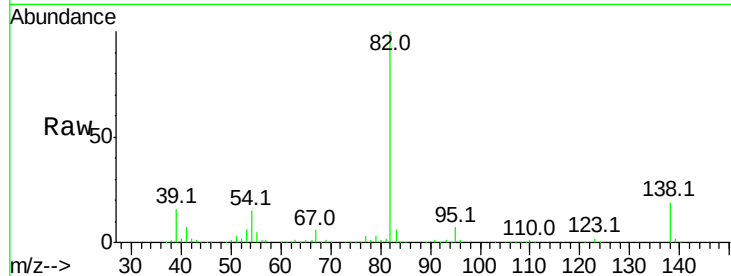
95 7.1 5.3 7.9

138 18.6 13.1 19.7

Manual Integrations
APPROVED

mohammad

4/11/2017 12:53:20 PM



#26

2-Nitrophenol

Concen: 42.30 ng

RT: 6.89 min Scan# 850

Delta R.T. -0.02 min

Lab File: BF094321.D

Acq: 10 Apr 2017 19:49

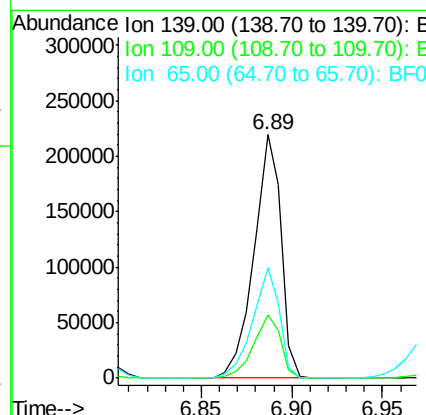
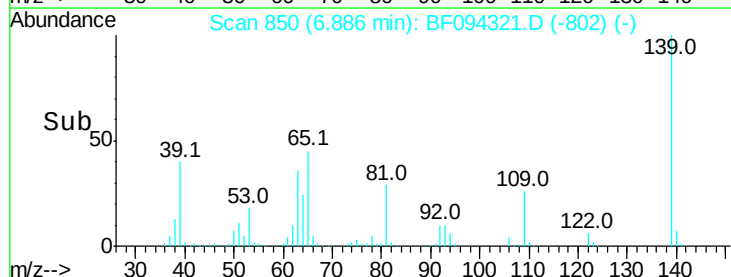
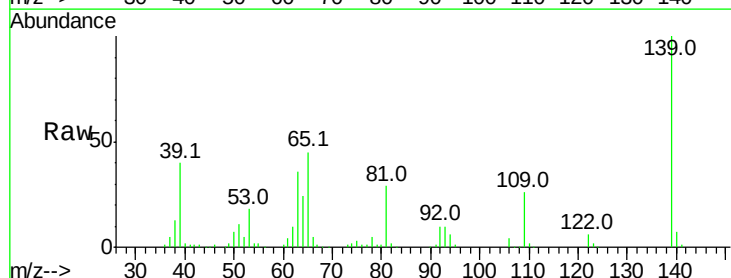
Tgt Ion: 139 Resp: 227461

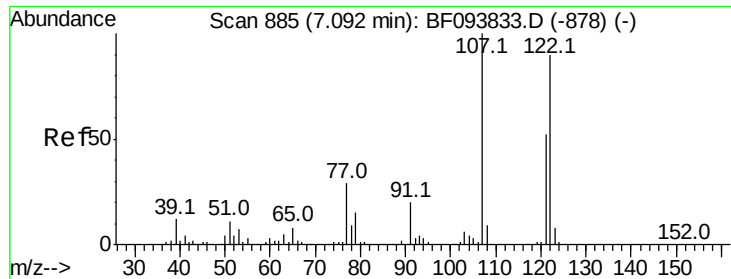
Ion Ratio Lower Upper

139 100

109 26.2 21.0 31.6

65 45.5 33.0 49.6





#27
 2,4-Dimethylphenol
 Concen: 39.30 ng
 RT: 6.97 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: BF094321.D
 Acq: 10 Apr 2017 19:49

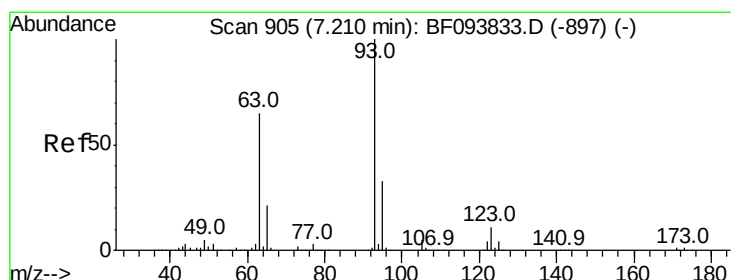
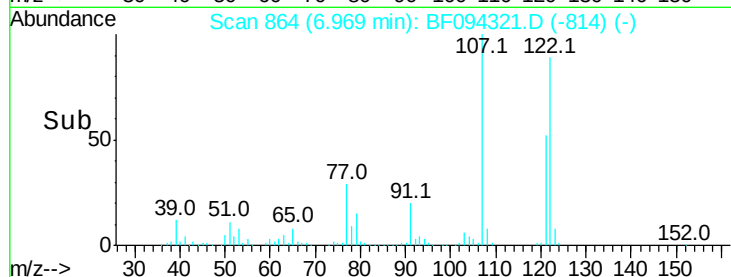
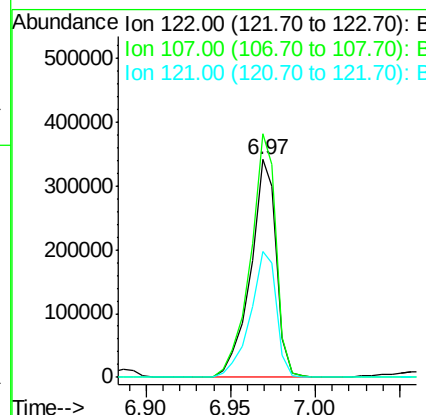
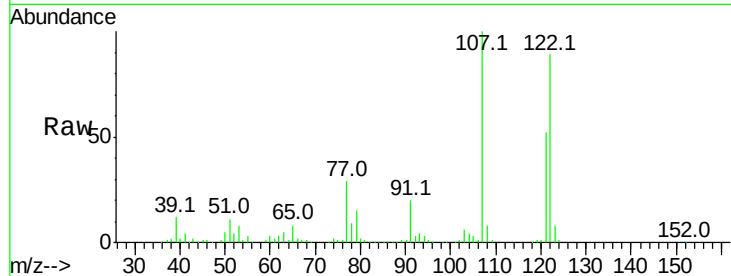
Instrument :
 BNA_F
 ClientSampleId :
 B-26-S1(0-2)MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	111.8	89.2	133.8
121	58.1	45.2	67.8

Manual Integrations
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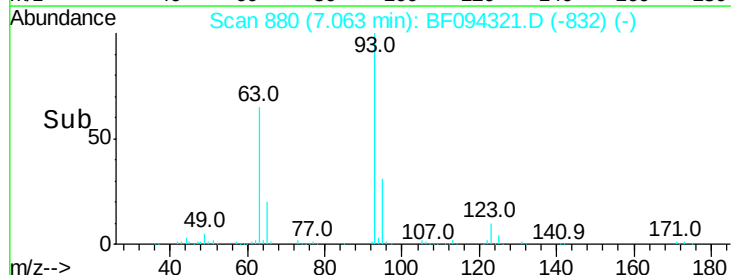
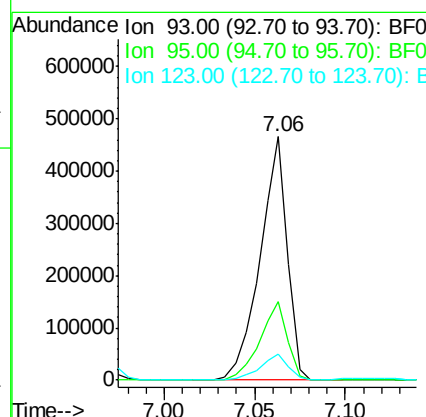
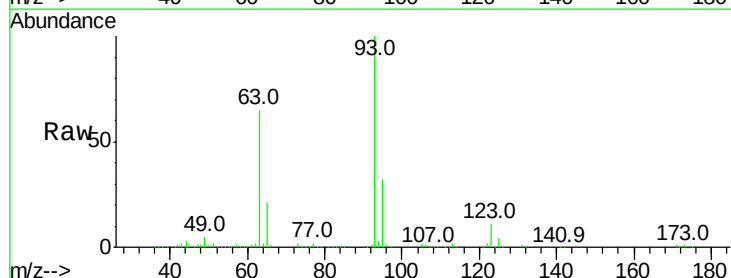
mohammad

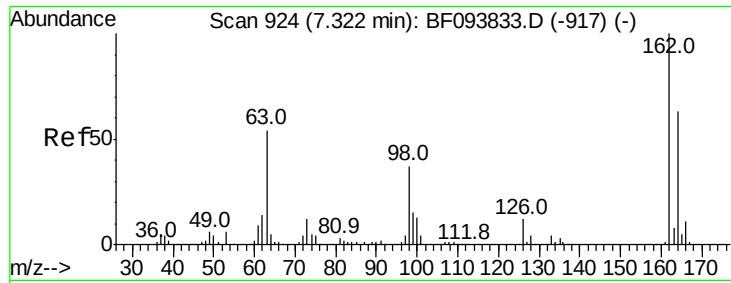
4/11/2017 12:53:20 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 36.48 ng
 RT: 7.06 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF094321.D
 Acq: 10 Apr 2017 19:49

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.5	39.7
123	10.7	9.0	13.4





#29
 2,4-Dichlorophenol
 Concen: 39.78 ng
 RT: 7.20 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF094321.D
 Acq: 10 Apr 2017 19:49

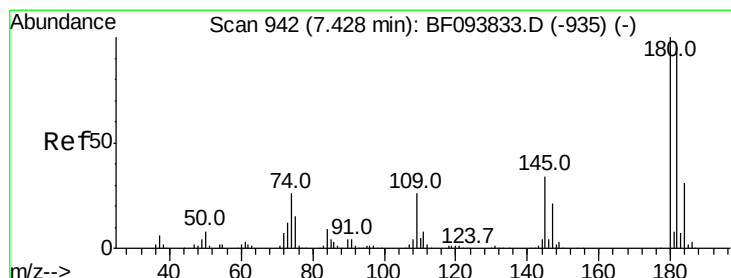
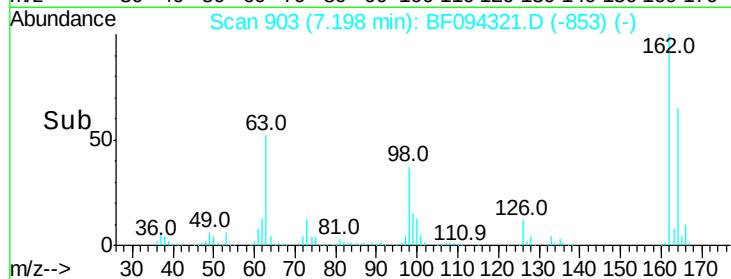
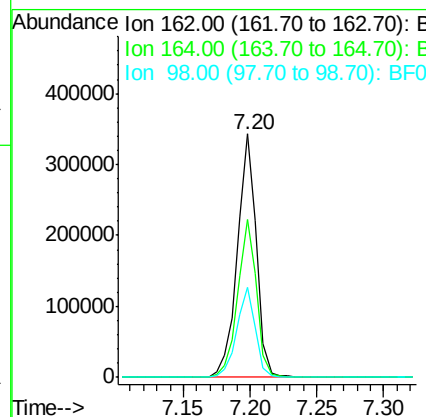
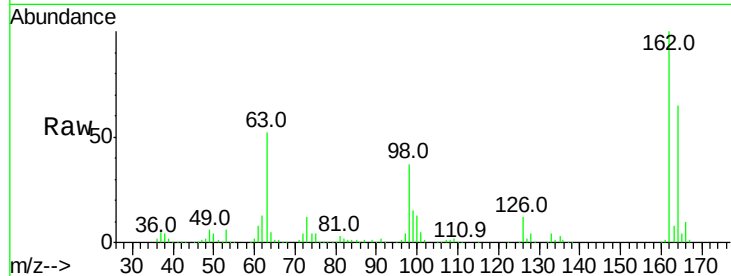
Instrument :
 BNA_F
 ClientSampleId :
 B-26-S1(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	344596		
164	64.6		44.6	84.6
98	36.8		14.8	54.8

Manual Integrations
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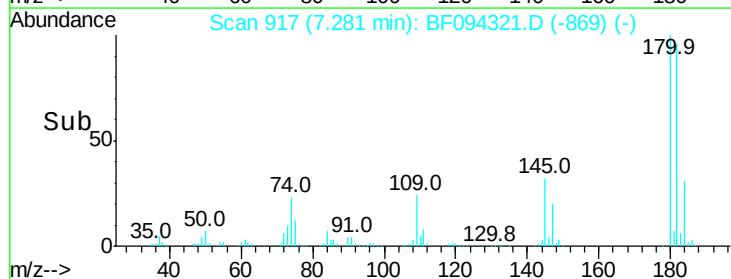
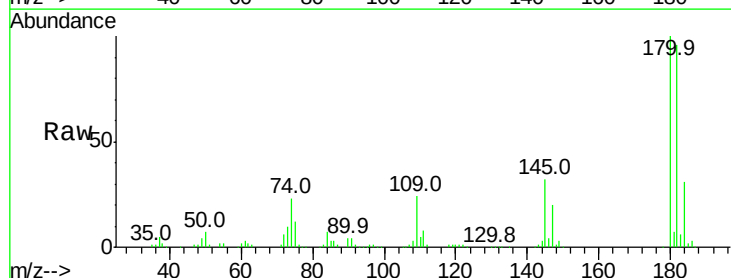
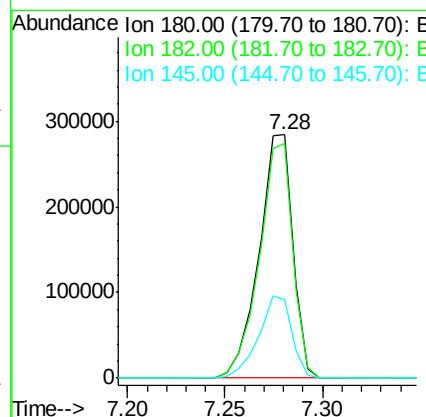
mohammad

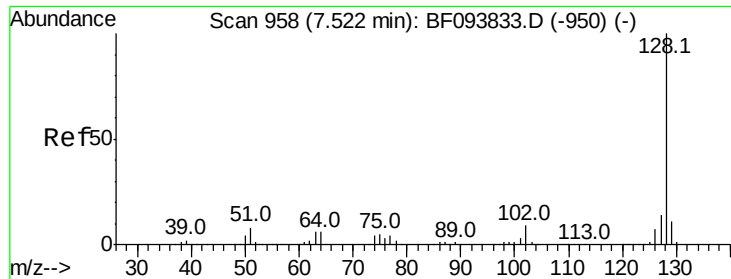
4/11/2017 12:53:20 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 38.17 ng
 RT: 7.28 min Scan# 917
 Delta R.T. -0.02 min
 Lab File: BF094321.D
 Acq: 10 Apr 2017 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	340569		
182	96.2		75.8	113.6
145	32.3		25.3	37.9





#31
Naphthalene
Concen: 36.88 ng
RT: 7.37 min Scan# 932
Delta R.T. -0.02 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

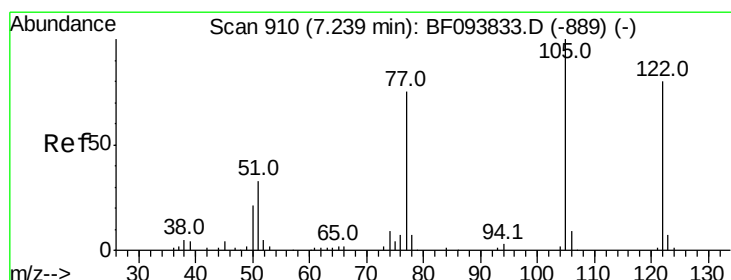
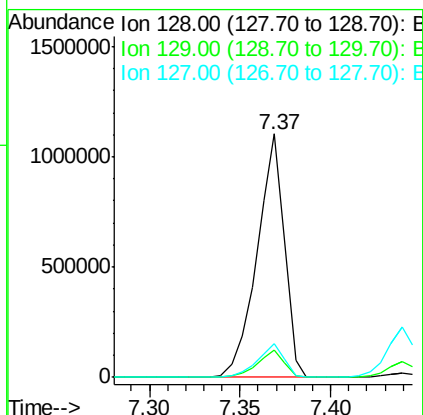
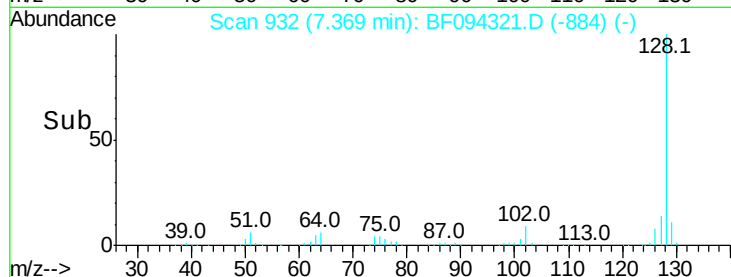
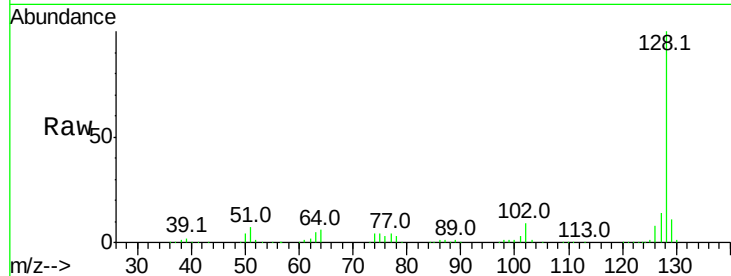
Instrument :
BNA_F
ClientSampleId :
B-26-S1(0-2)MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	13.8	10.8	16.2

Manual Integrations
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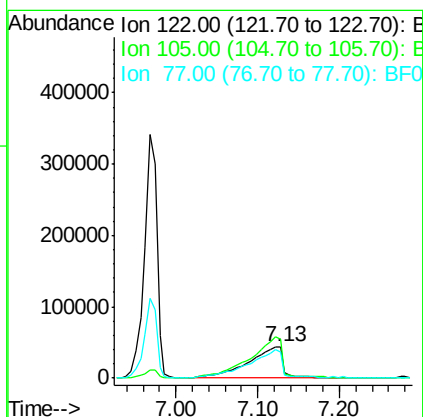
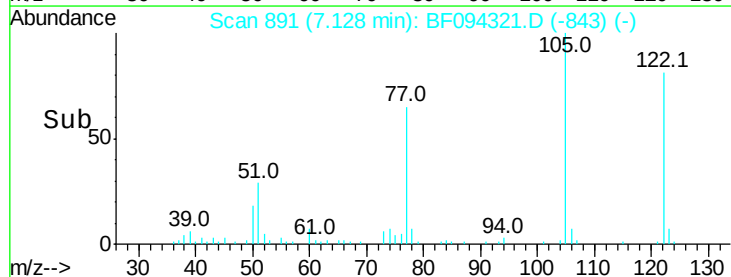
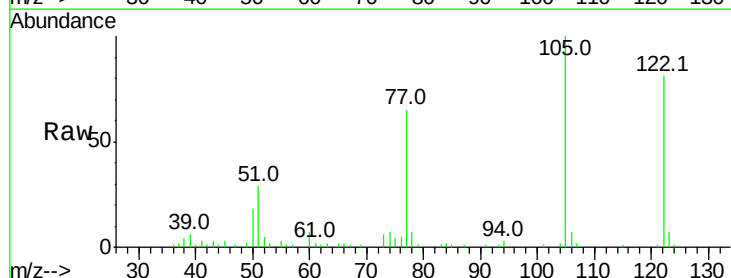
mohammad

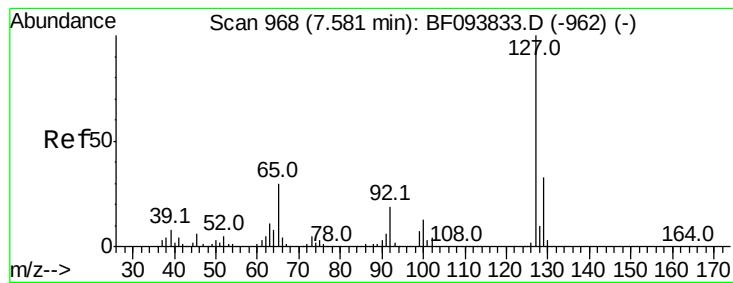
4/11/2017 12:53:20 PM



#32
Benzoic acid
Concen: 20.85 ng
RT: 7.13 min Scan# 891
Delta R.T. -0.02 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

Tgt Ion	Ratio	Lower	Upper
122	100		
105	123.7	103.3	143.3
77	80.7	73.7	113.7





#33

4-Chloroaniline

Concen: 20.48 ng

RT: 7.44 min Scan# 944

Delta R.T. -0.02 min

Lab File: BF094321.D

Acq: 10 Apr 2017 19:49

Instrument :

BNA_F

ClientSampleId :

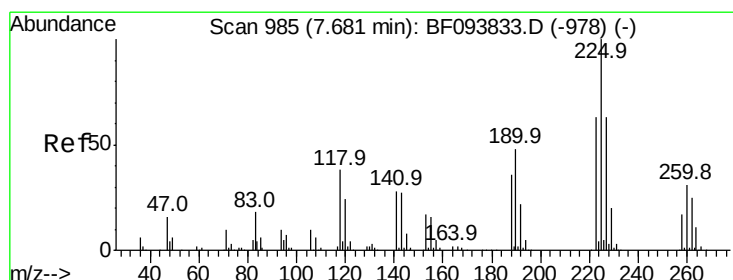
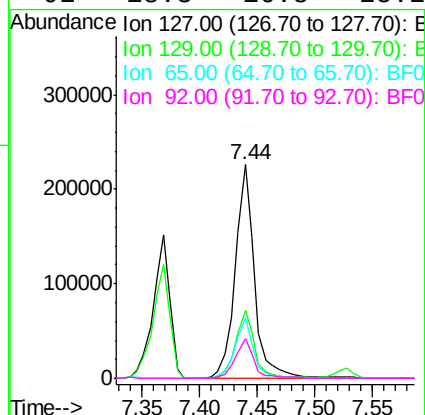
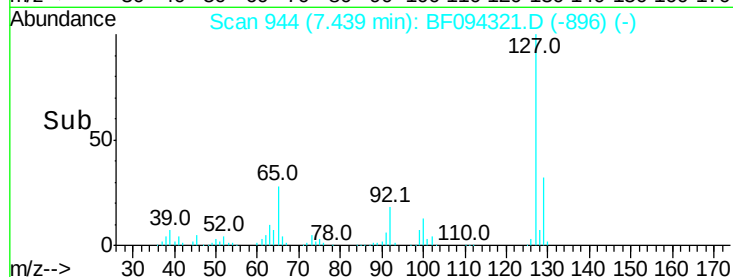
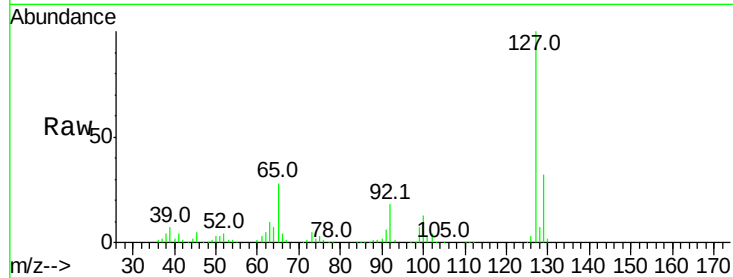
B-26-S1(0-2)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.9	26.2	39.2		
65	28.0	27.8	41.8		
92	18.3	16.8	25.2		

Manual Integrations
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#34

Hexachlorobutadiene

Concen: 37.53 ng

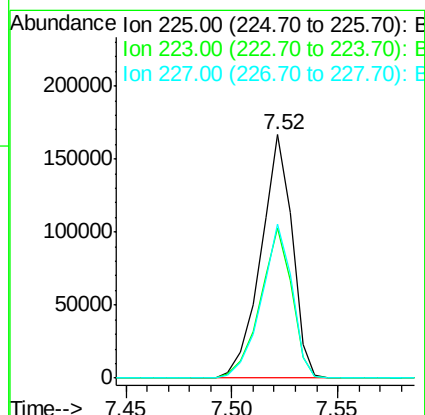
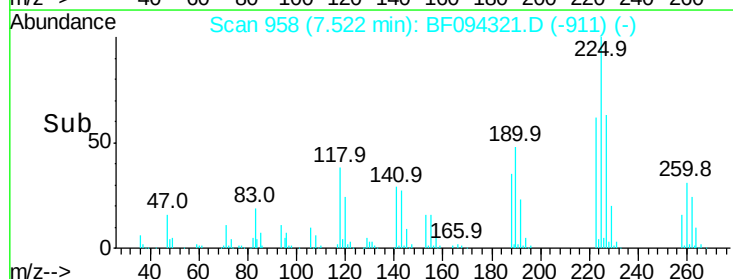
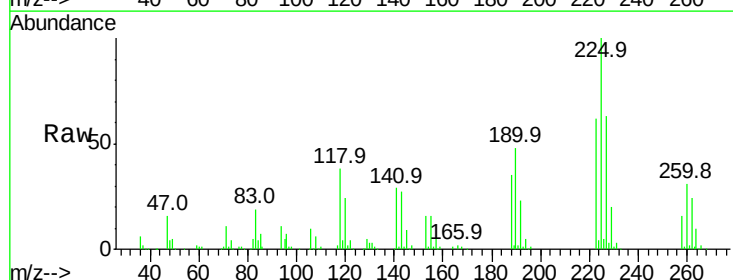
RT: 7.52 min Scan# 958

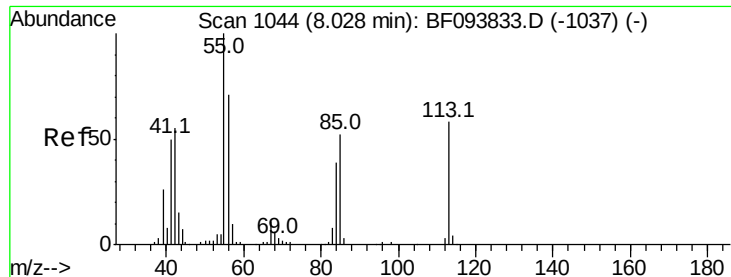
Delta R.T. -0.02 min

Lab File: BF094321.D

Acq: 10 Apr 2017 19:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	61.6	48.8	73.2		
227	63.2	51.1	76.7		





#35

Caprolactam

Concen: 32.35 ng/ml

RT: 7.88 min Scan# 1019

Delta R.T. -0.03 min

Lab File: BF094321.D

Acq: 10 Apr 2017 19:49

Instrument :

BNA_F

ClientSampleId :

B-26-S1(0-2)MSD

Tot Ion:113 Resp: 89361

Ion Ratio Lower Upper

113 100

55 159.6 150.2 190.2

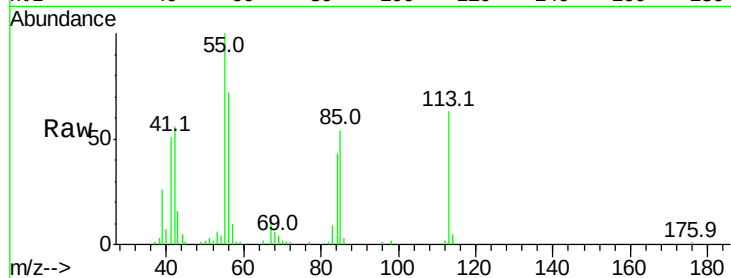
56 115.3 107.8 147.8

Manual Integrations

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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

60000

50000

40000

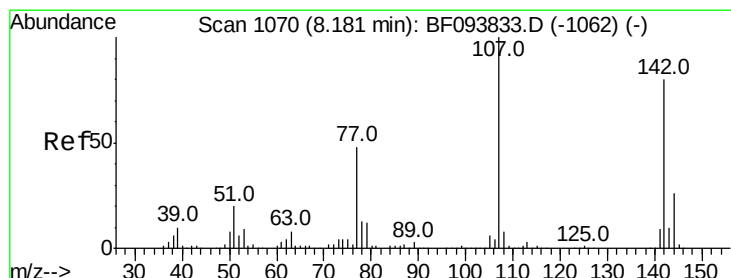
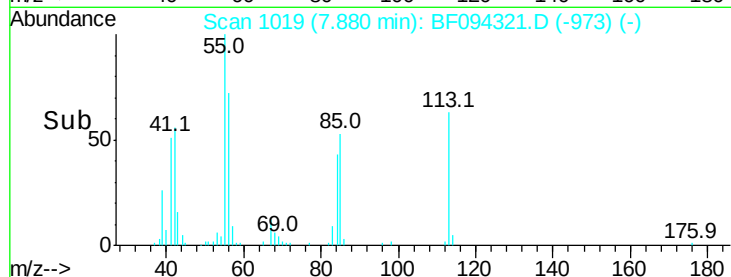
30000

20000

10000

0

Time-->



#36

4-Chloro-3-methylphenol

Concen: 39.29 ng/ml

RT: 8.07 min Scan# 1052

Delta R.T. 0.01 min

Lab File: BF094321.D

Acq: 10 Apr 2017 19:49

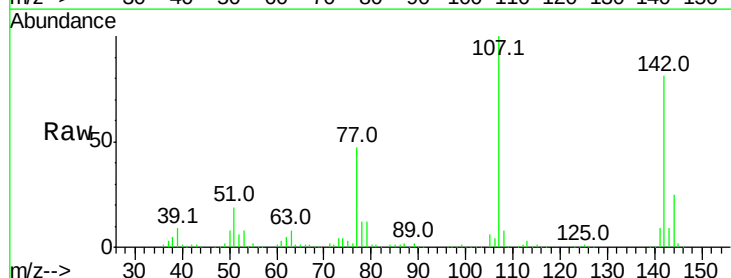
Tgt Ion:107 Resp: 355670

Ion Ratio Lower Upper

107 100

144 25.1 24.2 36.4

142 80.7 73.4 110.0



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

500000

400000

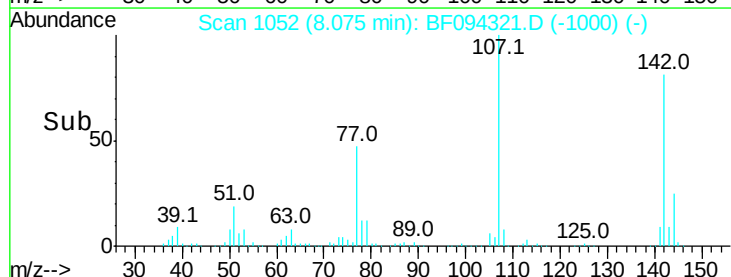
300000

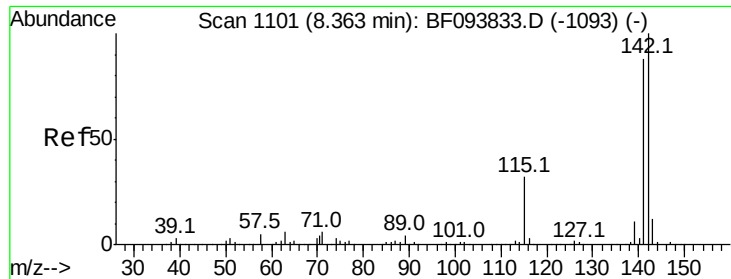
200000

100000

0

Time-->





#37
2-Methylnaphthalene
Concen: 37.85 ng
RT: 8.21 min Scan# 1075
Delta R.T. -0.02 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

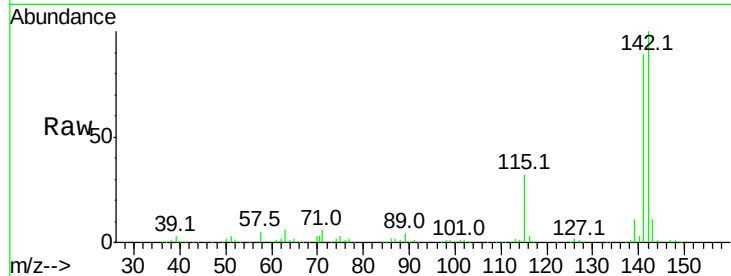
Instrument :
BNA_F
ClientSampleId :
B-26-S1(0-2)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.3	106.9
115	32.1	27.1	40.7

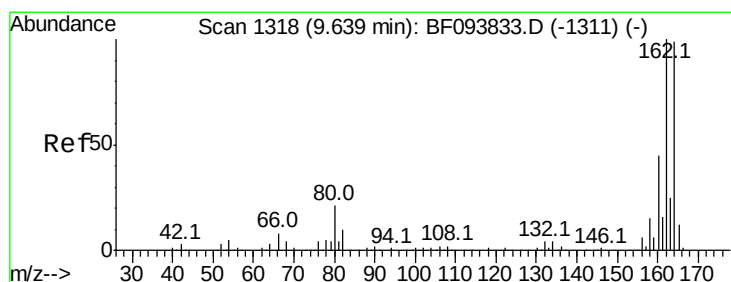
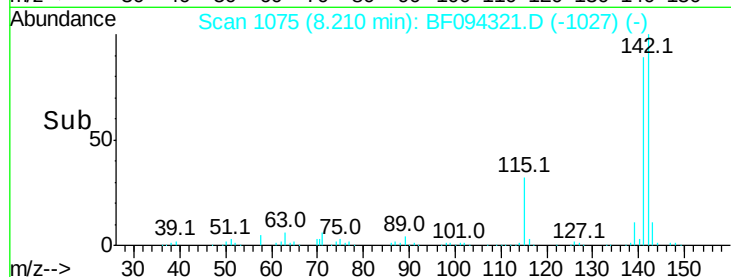
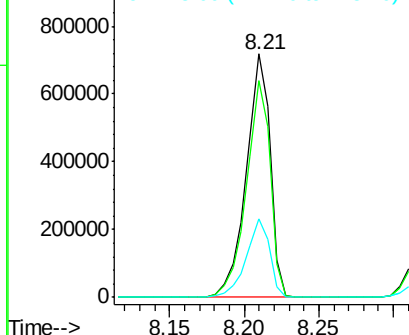
Manual Integrations
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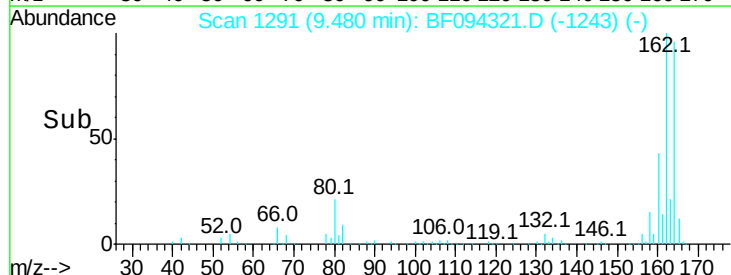
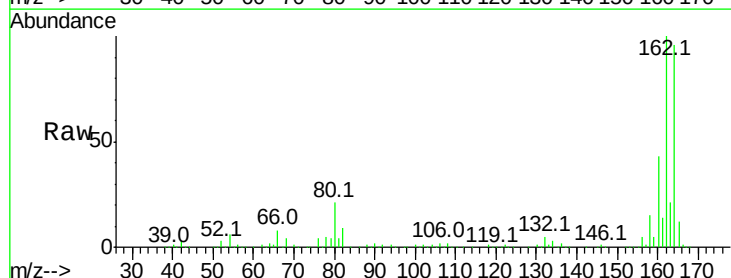
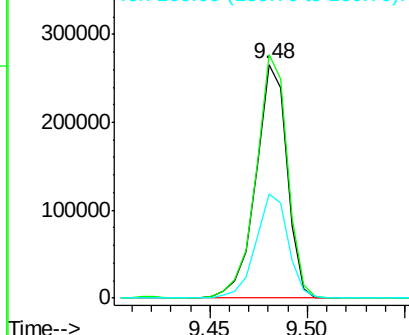
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

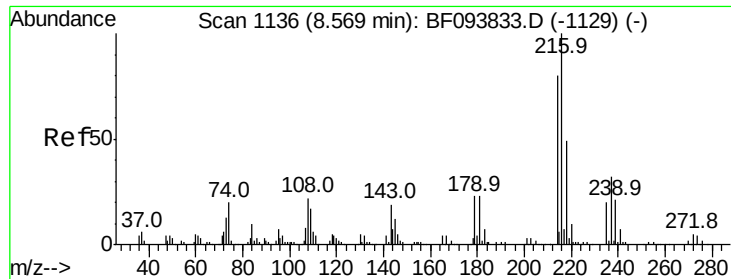


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.48 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.1	82.6	123.8
160	44.6	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: 36.78 ng
 RT: 8.42 min Scan# 1110
 Delta R.T. -0.02 min
 Lab File: BF094321.D
 Acq: 10 Apr 2017 19:49

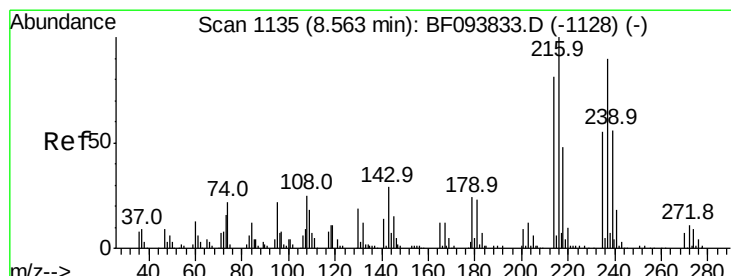
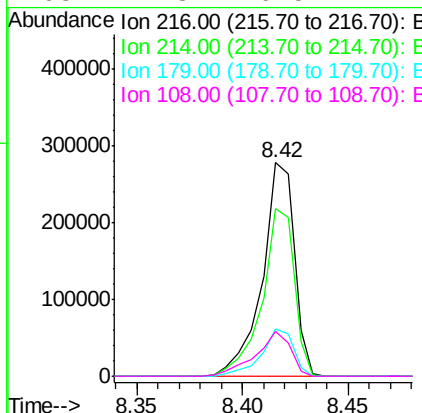
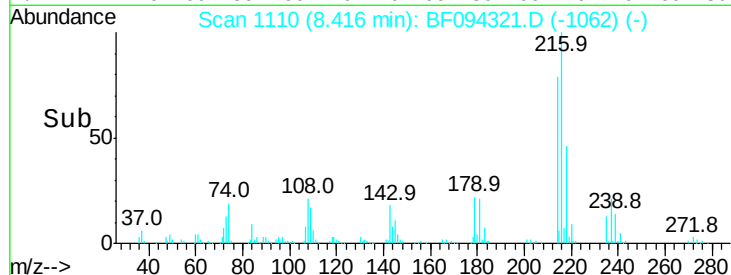
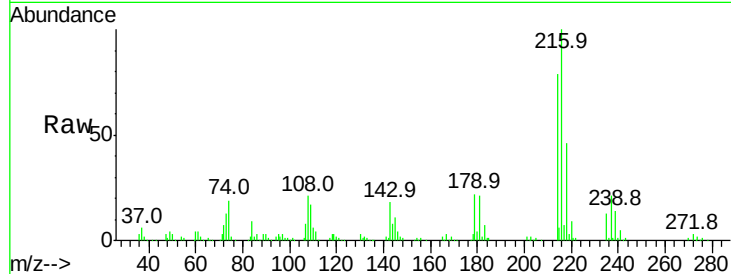
Instrument :
 BNA_F
 ClientSampleId :
 B-26-S1(0-2)MSD

Tot Ion	Ratio	Resp Lower	Upper
216	100		
214	78.5	63.4	95.2
179	22.1	17.9	26.9
108	22.8	16.5	24.7

Manual Integrations
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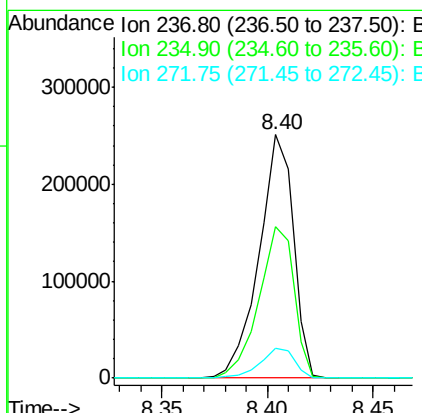
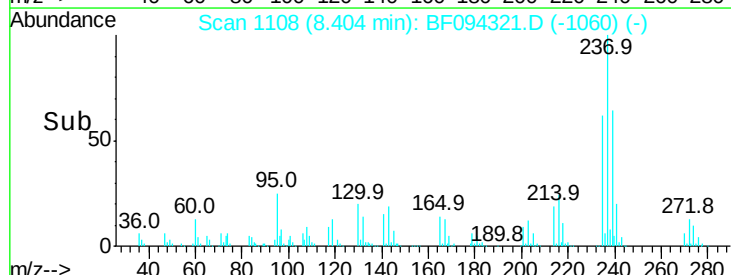
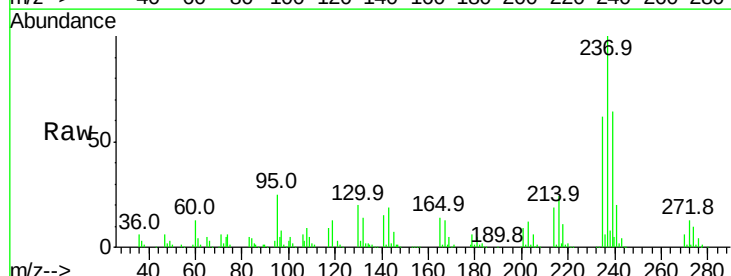
mohammad

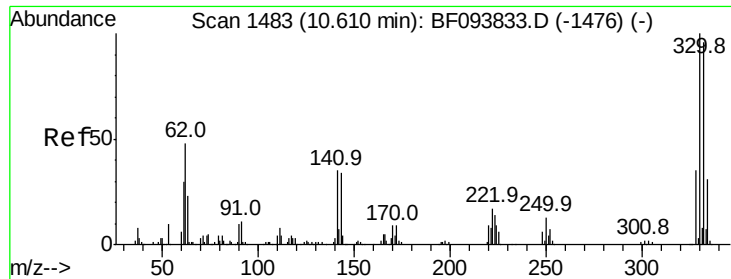
4/11/2017 12:53:20 PM



#40
 Hexachlorocyclopentadiene
 Concen: 75.46 ng
 RT: 8.40 min Scan# 1108
 Delta R.T. -0.02 min
 Lab File: BF094321.D
 Acq: 10 Apr 2017 19:49

Tgt Ion	Ratio	Resp Lower	Upper
237	100		
235	62.3	42.6	82.6
272	12.5	0.0	31.9





#41
 2,4,6-Tribromophenol
 Concen: 120.21 ng
 RT: 10.46 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF094321.D
 Acq: 10 Apr 2017 19:49

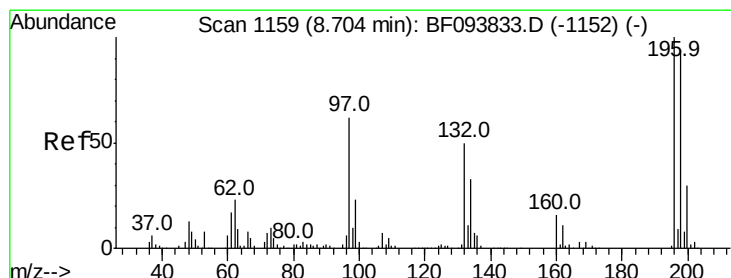
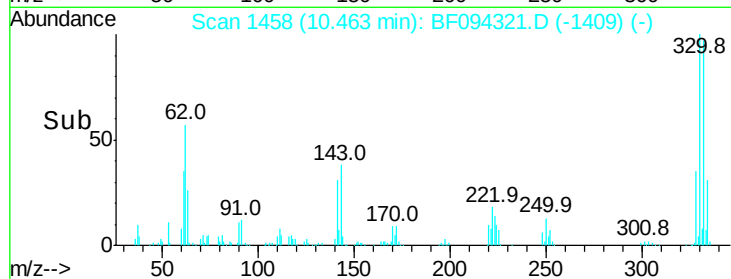
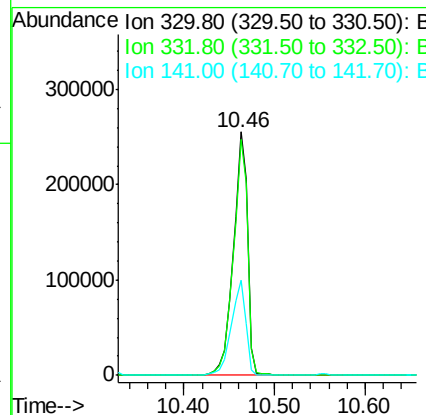
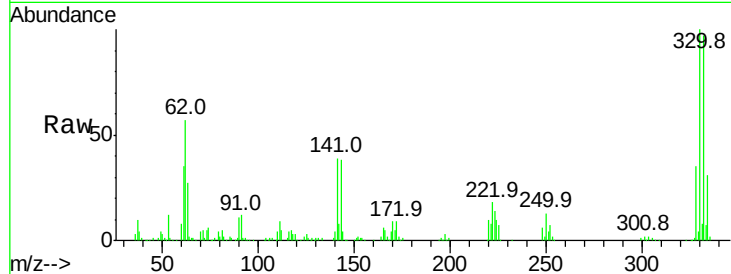
Instrument :
 BNA_F
 ClientSampleId :
 B-26-S1(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	279559		
332	96.9	76.6	115.0	
141	39.3	31.4	47.2	

Manual Integrations
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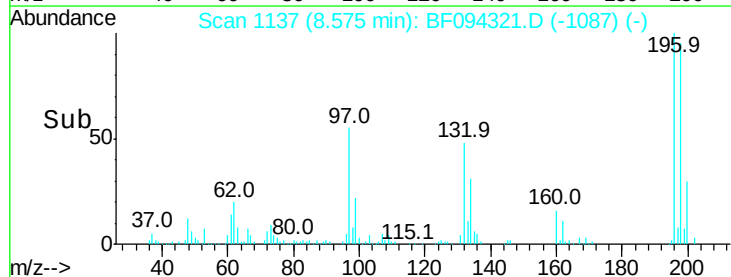
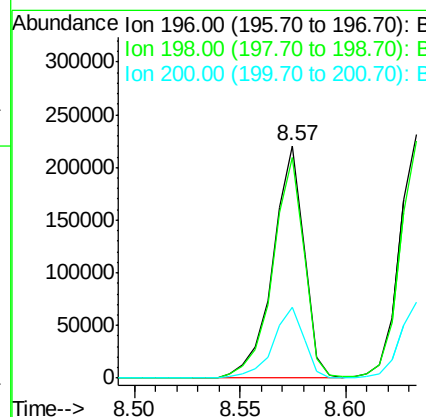
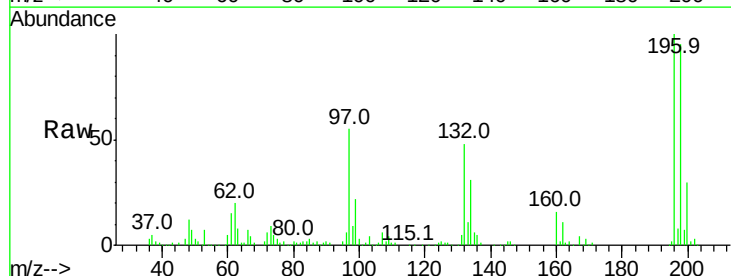
mohammad

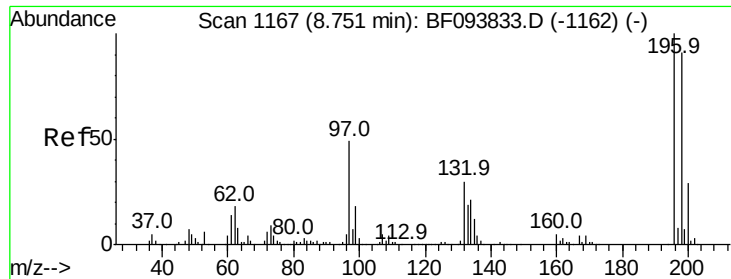
4/11/2017 12:53:20 PM



#42
 2,4,6-Trichlorophenol
 Concen: 39.71 ng
 RT: 8.57 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: BF094321.D
 Acq: 10 Apr 2017 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	226206		
198	94.7	74.2	111.4	
200	30.2	24.0	36.0	





#43
 2,4,5-Trichlorophenol
 Concen: 36.52 ng
 RT: 8.63 min Scan# 1147
 Delta R.T. 0.01 min
 Lab File: BF094321.D
 Acq: 10 Apr 2017 19:49

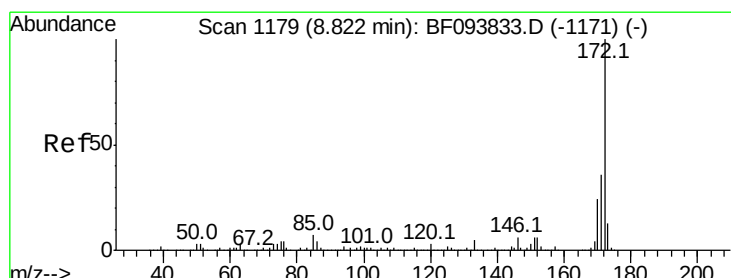
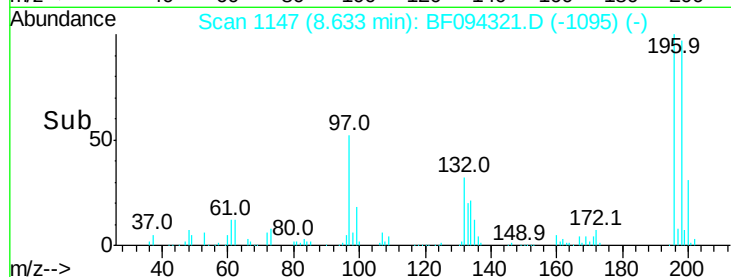
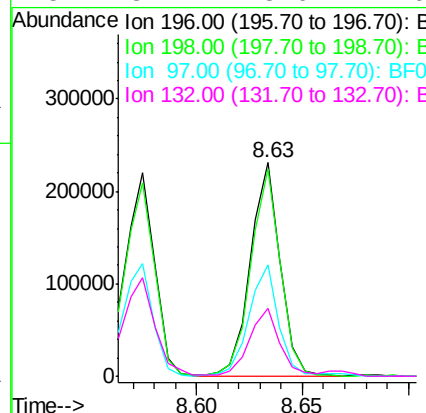
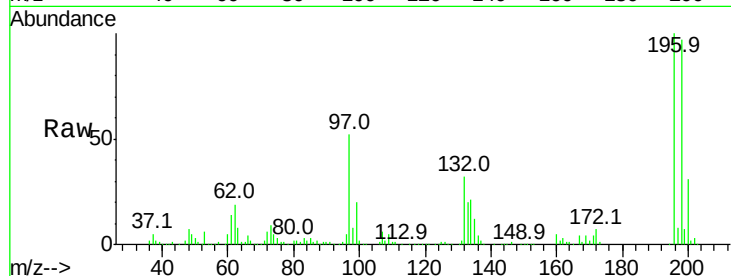
Instrument :
 BNA_F
 ClientSampleId :
 B-26-S1(0-2)MSD

Tot Ion	196	Resp	225074
Ion Ratio	Lower	Upper	
196	100		
198	97.3	75.7	113.5
97	52.4	47.7	71.5
132	31.7	28.0	42.0

Manual Integrations
 APPROVED

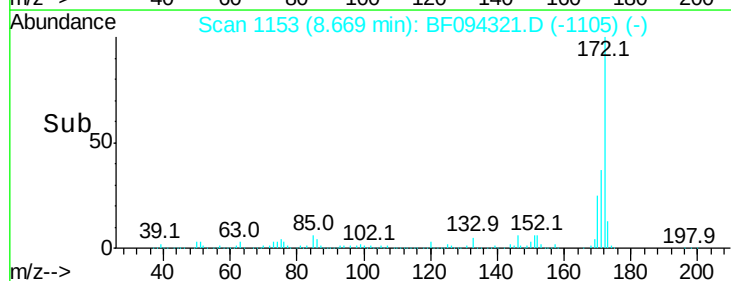
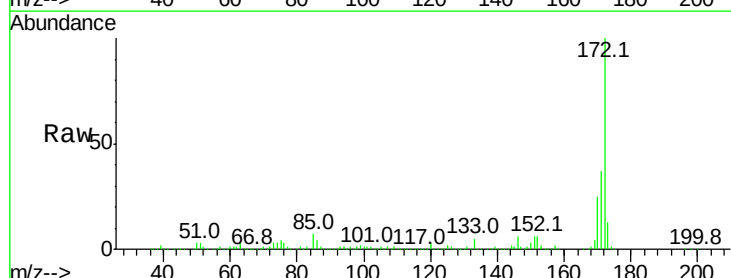
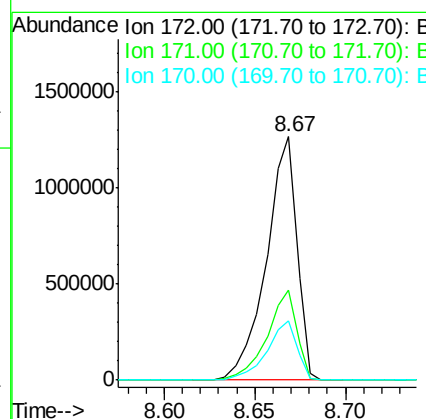
mohammad

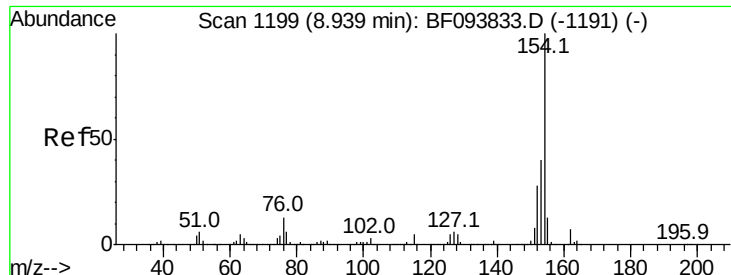
4/11/2017 12:53:20 PM



#44
 2-Fluorobiphenyl
 Concen: 76.83 ng
 RT: 8.67 min Scan# 1153
 Delta R.T. -0.02 min
 Lab File: BF094321.D
 Acq: 10 Apr 2017 19:49

Tgt Ion	172	Resp	1482572
Ion Ratio	Lower	Upper	
172	100		
171	36.9	29.6	44.4
170	24.5	19.8	29.8





#45
 1,1'-Biphenyl
 Concen: 36.97 ng
 RT: 8.79 min Scan# 1173
 Delta R.T. -0.02 min
 Lab File: BF094321.D
 Acq: 10 Apr 2017 19:49

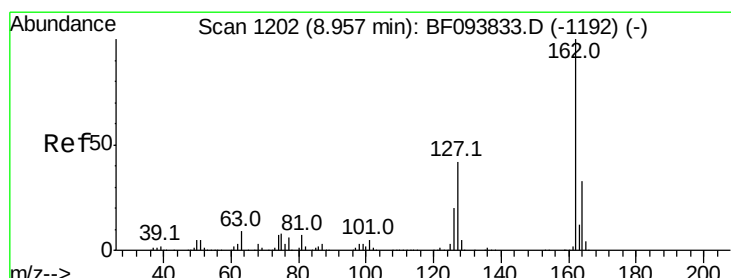
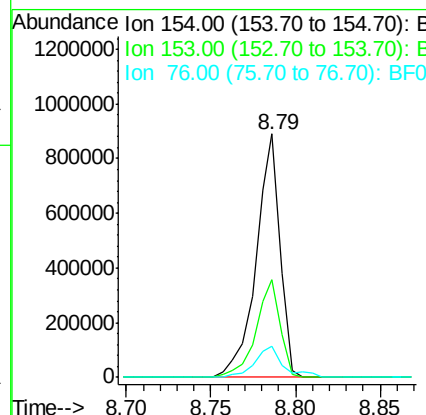
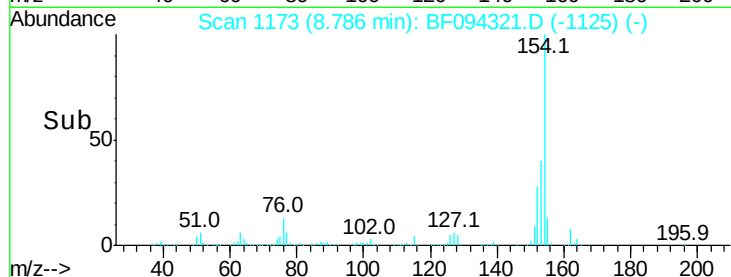
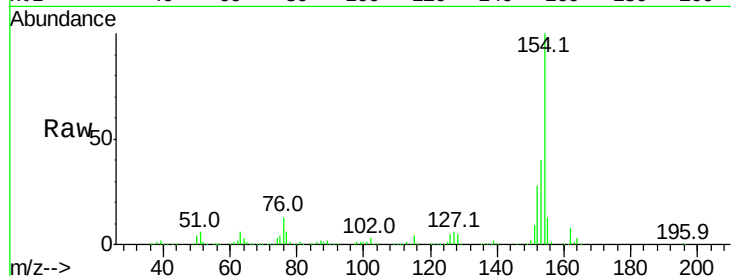
Instrument :
 BNA_F
 ClientSampleId :
 B-26-S1(0-2)MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.4	21.2	61.2
76	12.7	0.0	29.9

Manual Integrations
 APPROVED

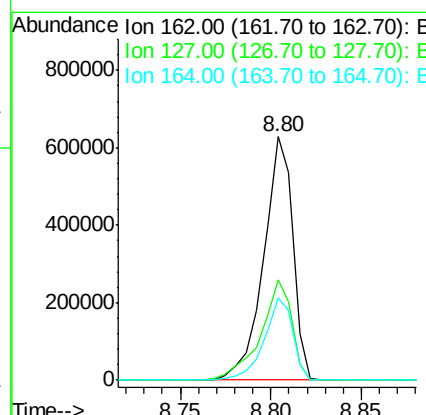
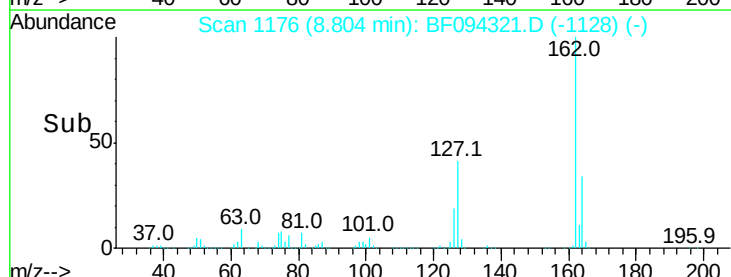
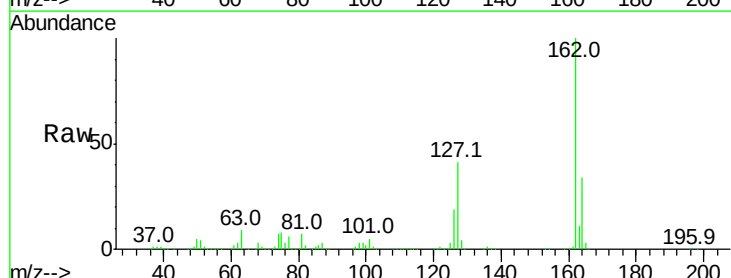
mohammad

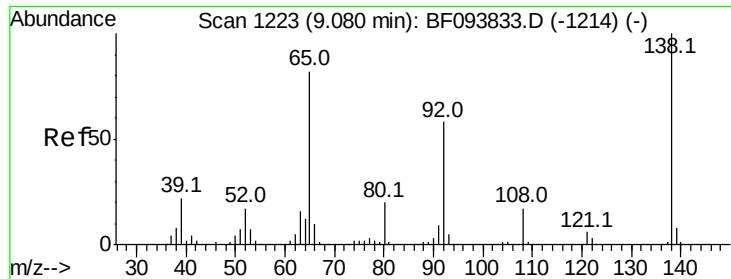
4/11/2017 12:53:20 PM



#46
 2-Chloronaphthalene
 Concen: 37.91 ng
 RT: 8.80 min Scan# 1176
 Delta R.T. -0.02 min
 Lab File: BF094321.D
 Acq: 10 Apr 2017 19:49

Tgt Ion	Ratio	Lower	Upper
162	100		
127	41.4	28.3	42.5
164	33.7	27.0	40.4





#47
 2-Nitroaniline
 Concen: 38.32 ng
 RT: 8.94 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF094321.D
 Acq: 10 Apr 2017 19:49

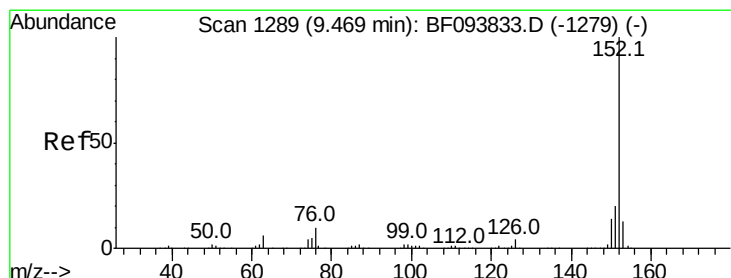
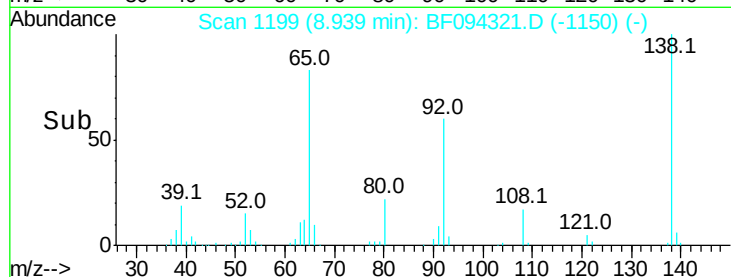
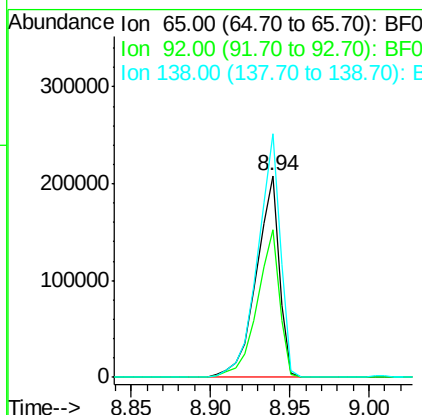
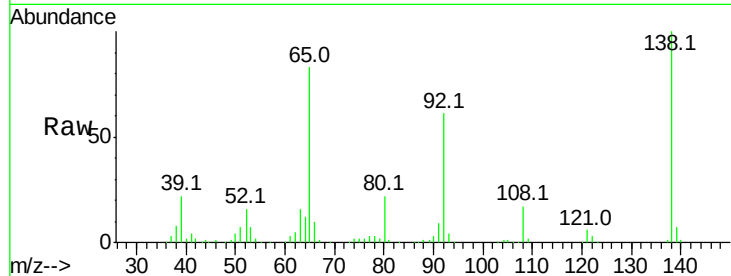
Instrument :
 BNA_F
 ClientSampleId :
 B-26-S1(0-2)MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	73.3	53.9	80.9
138	120.8	78.8	118.2

Manual Integrations
 APPROVED

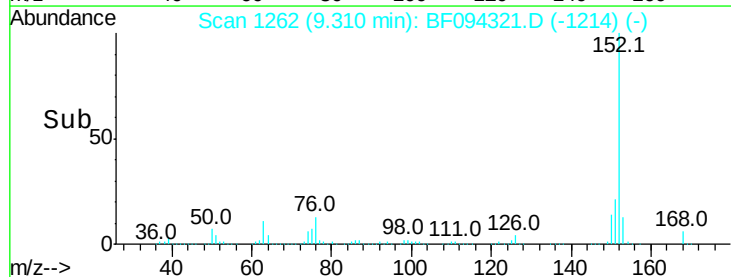
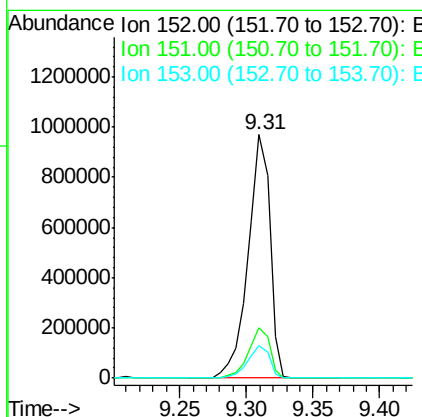
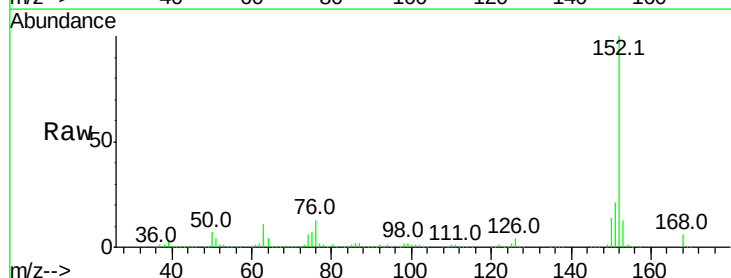
mohammad

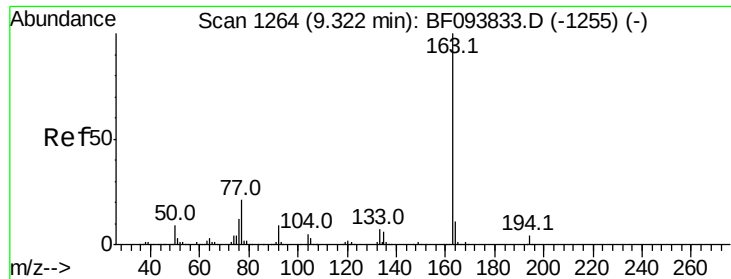
4/11/2017 12:53:20 PM



#48
 Acenaphthylene
 Concen: 35.20 ng
 RT: 9.31 min Scan# 1262
 Delta R.T. -0.02 min
 Lab File: BF094321.D
 Acq: 10 Apr 2017 19:49

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.8	25.2
153	13.5	10.8	16.2





#49
Dimethylphthalate
Concen: 53.12 ng
RT: 9.18 min Scan# 1240
Delta R.T. -0.01 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

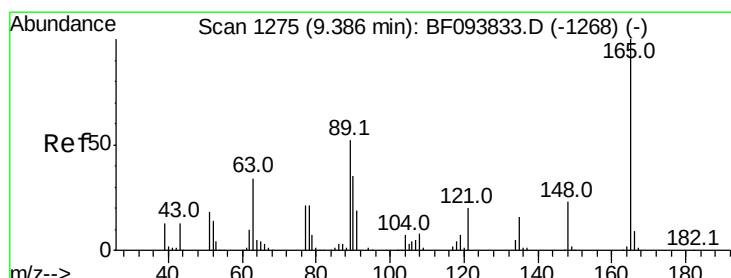
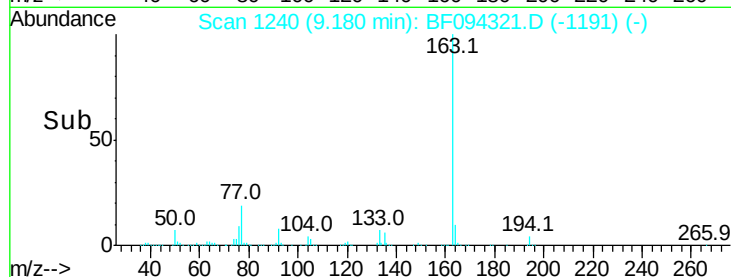
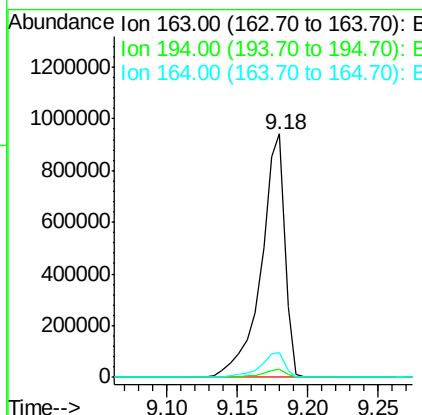
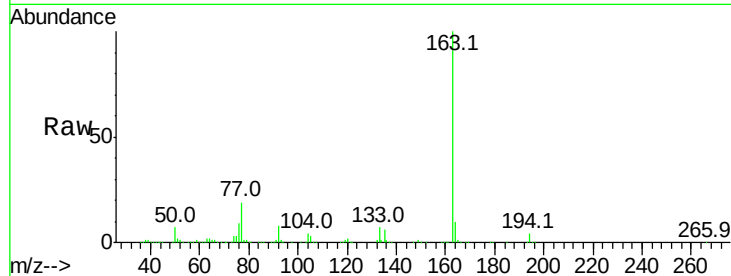
Instrument :
BNA_F
ClientSampleId :
B-26-S1(0-2)MSD

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	9.9	8.4	12.6

Manual Integrations
APPROVED

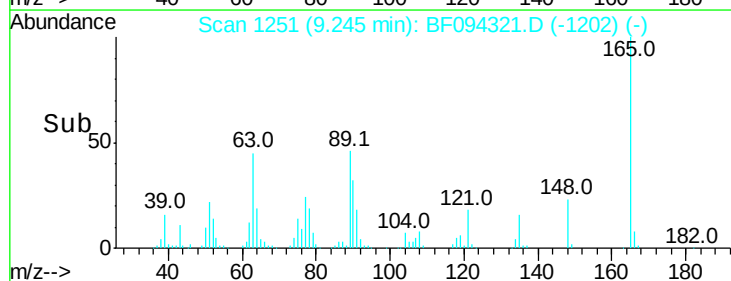
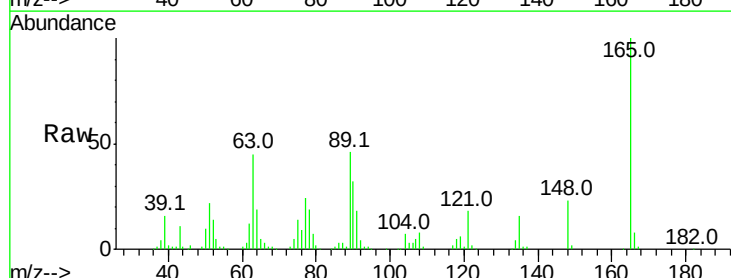
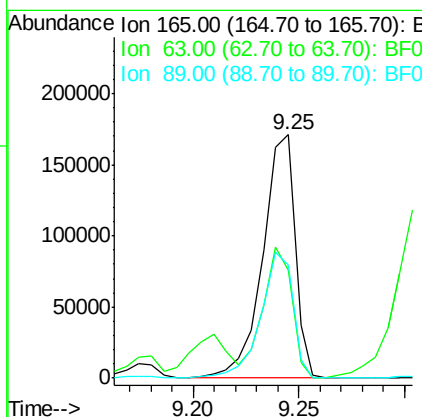
mohammad

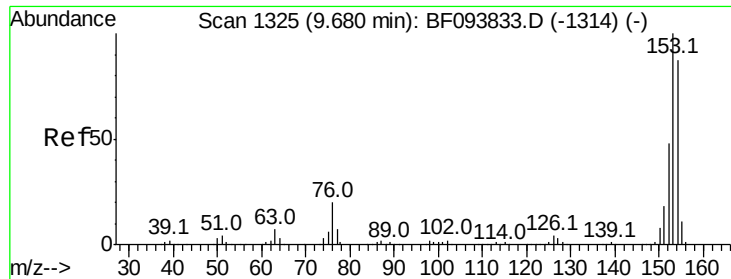
4/11/2017 12:53:20 PM



#50
2,6-Dinitrotoluene
Concen: 38.31 ng
RT: 9.25 min Scan# 1251
Delta R.T. -0.01 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	44.5	34.3	51.5
89	46.4	37.1	55.7





#51
Acenaphthene
Concen: 36.06 ng
RT: 9.53 min Scan# 1299
Delta R.T. -0.02 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

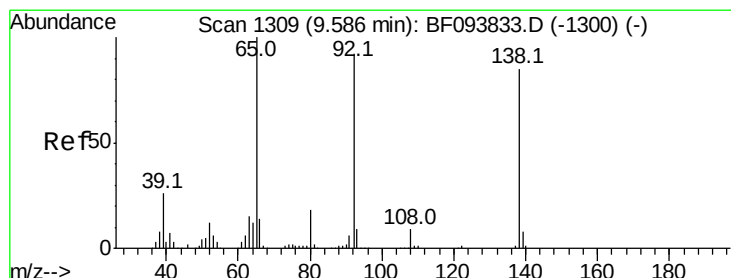
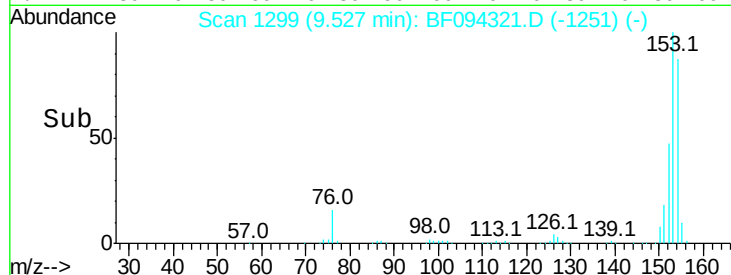
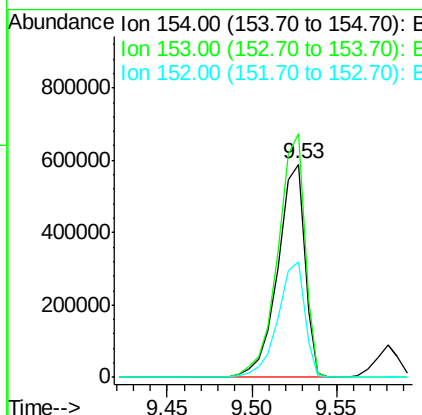
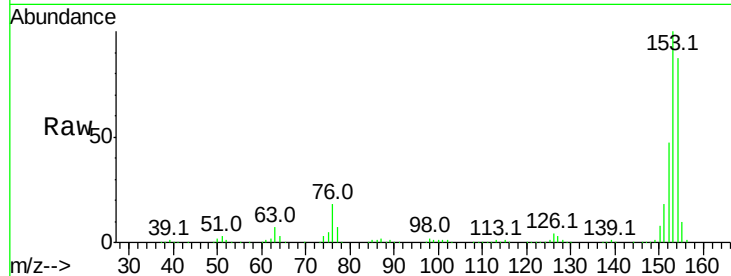
Instrument :
BNA_F
ClientSampleId :
B-26-S1(0-2)MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.3	90.5	135.7
152	54.1	43.6	65.4

Manual Integrations
APPROVED

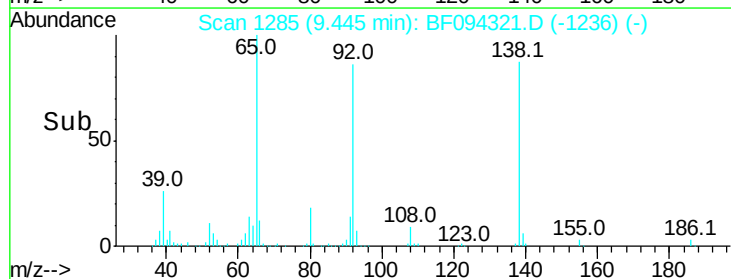
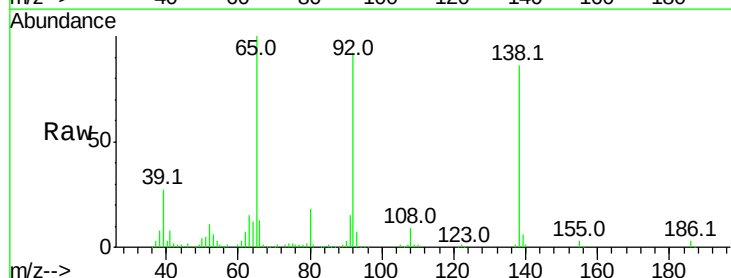
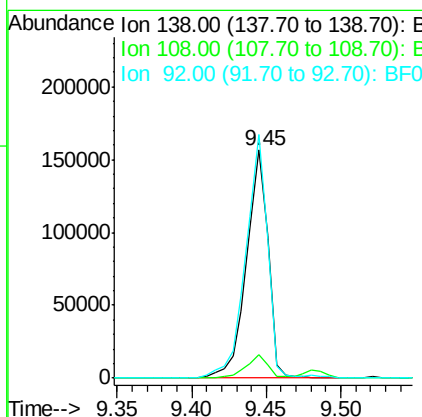
mohammad

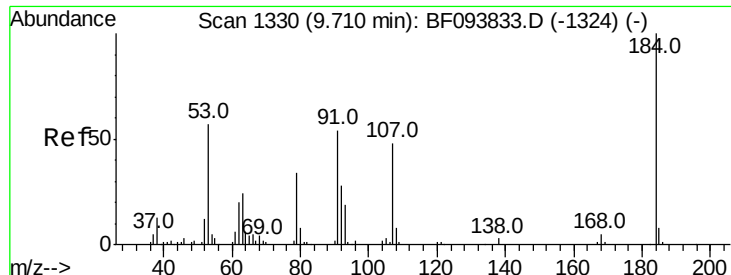
4/11/2017 12:53:20 PM



#52
3-Nitroaniline
Concen: 27.75 ng
RT: 9.45 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.2	9.1	13.7
92	106.8	93.8	140.6





#53
2,4-Dinitrophenol
Concen: 60.55 ng
RT: 9.58 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

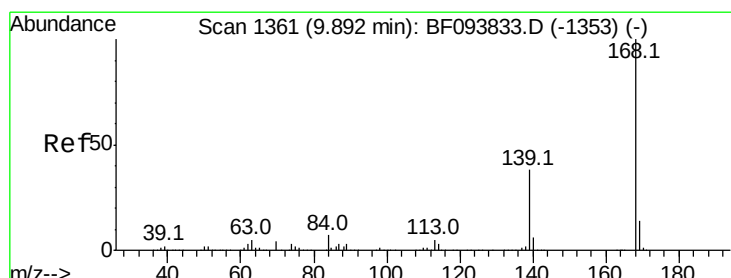
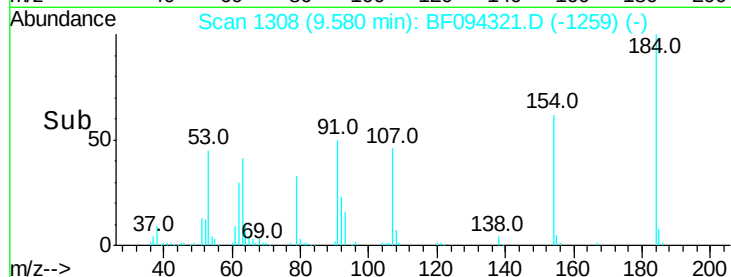
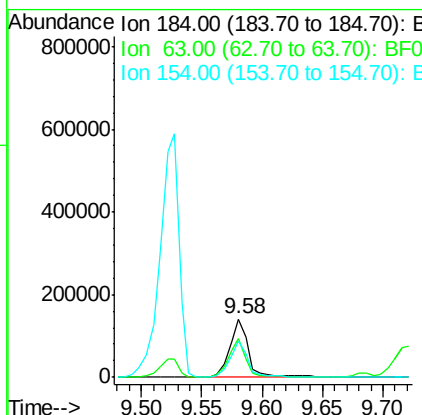
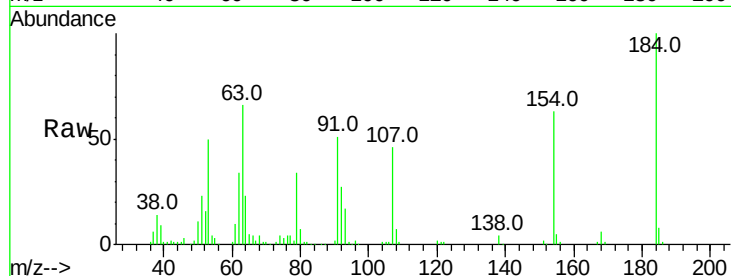
Instrument :
BNA_F
ClientSampleId :
B-26-S1(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100	152310		
63	65.8	62.7	94.1	
154	62.9	81.1	121.7	

Manual Integrations
APPROVED

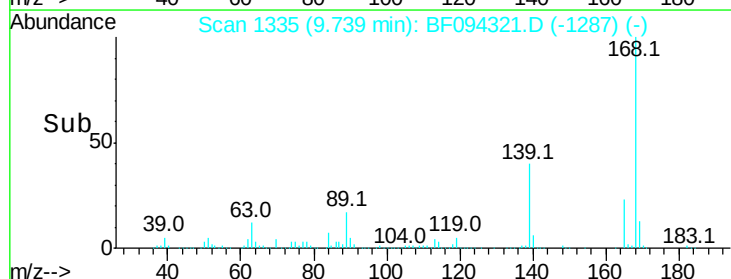
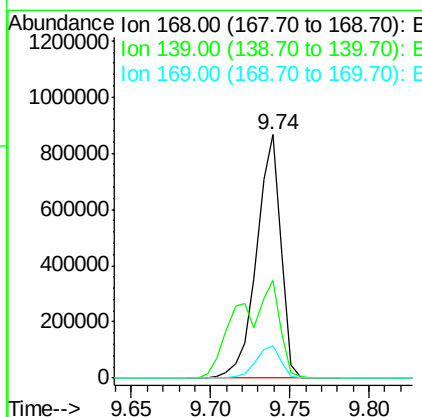
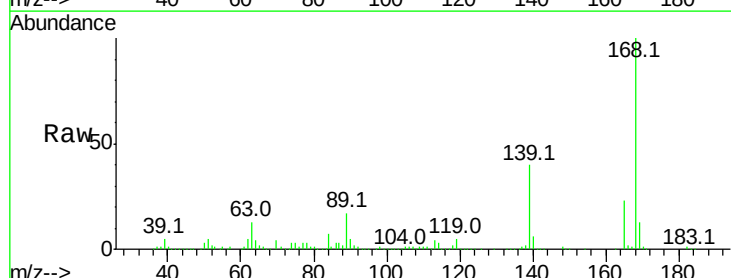
mohammad

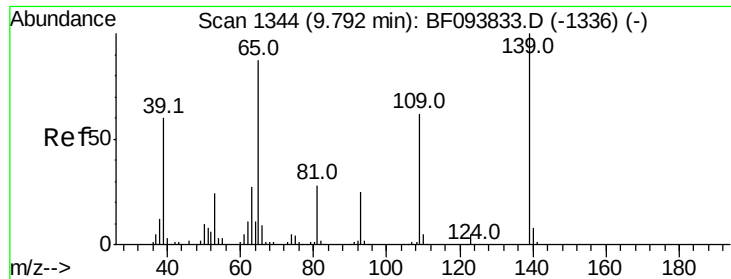
4/11/2017 12:53:20 PM



#54
Dibenzofuran
Concen: 37.59 ng
RT: 9.74 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	922079		
139	39.9	30.6	45.8	
169	13.2	10.8	16.2	





#55

4-Nitrophenol

Concen: 75.90 ng

RT: 9.72 min Scan# 1332

Delta R.T. 0.03 min

Lab File: BF094321.D

Acq: 10 Apr 2017 19:49

Instrument :

BNA_F

ClientSampleId :

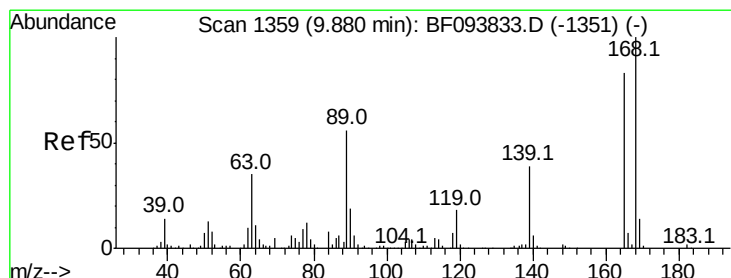
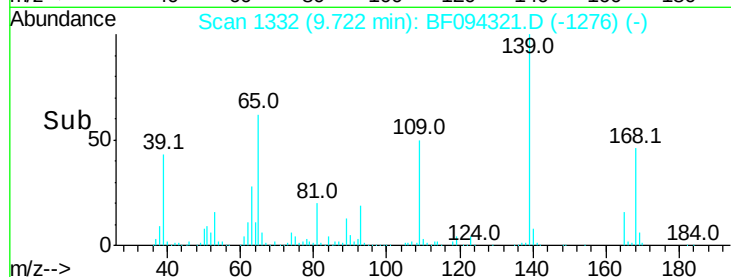
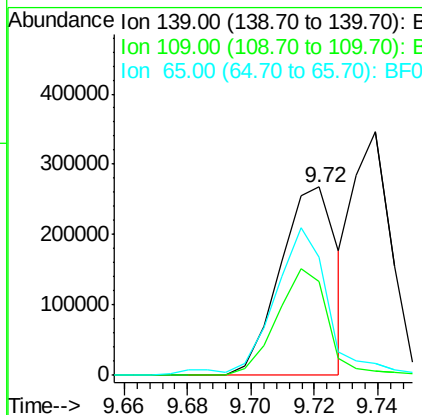
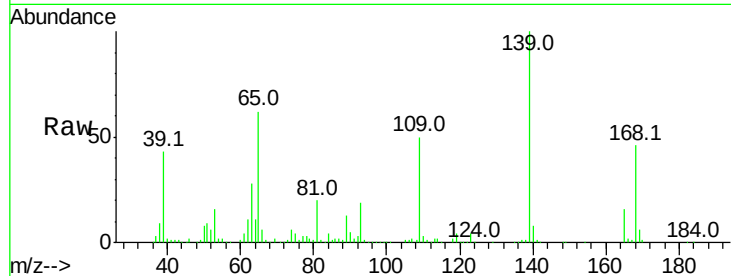
B-26-S1(0-2)MSD

Tot Ion:	139	Resp:	334714
Ion Ratio	Lower	Upper	
139	100		
109	49.9	34.1	74.1
65	62.5	31.4	71.4

Manual Integrations
APPROVED

mohammad

4/11/2017 12:53:20 PM



#56

2,4-Dinitrotoluene

Concen: 36.59 ng

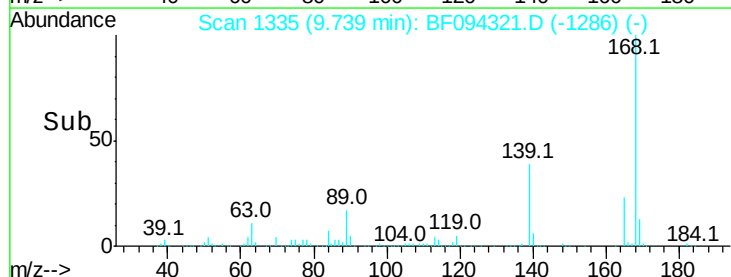
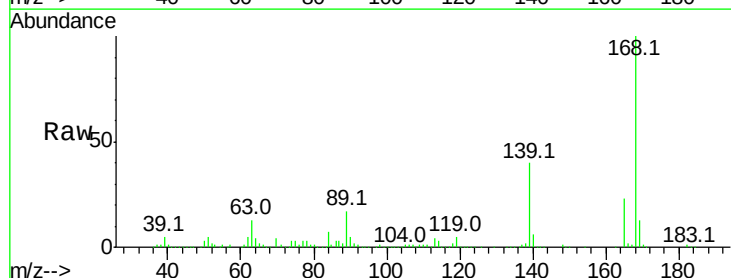
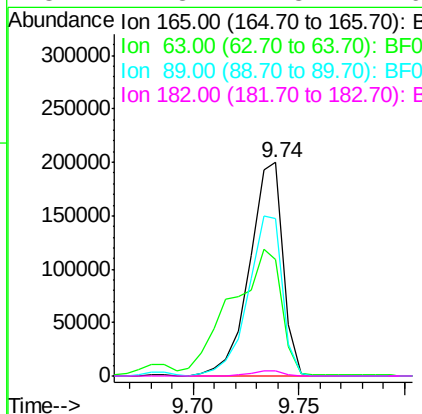
RT: 9.74 min Scan# 1335

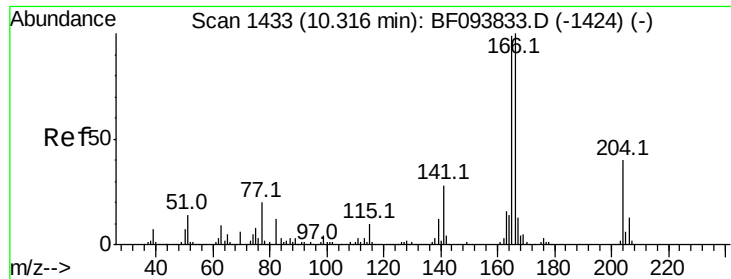
Delta R.T. -0.01 min

Lab File: BF094321.D

Acq: 10 Apr 2017 19:49

Tgt Ion:	165	Resp:	220413
Ion Ratio	Lower	Upper	
165	100		
63	54.5	25.4	38.0#
89	74.0	46.4	69.6#
182	2.3	1.8	2.6





#57

Fluorene

Concen: 35.02 ng

RT: 10.16 min Scan# 1406

Delta R.T. -0.02 min

Lab File: BF094321.D

Acq: 10 Apr 2017 19:49

Instrument :

BNA_F

ClientSampleId :

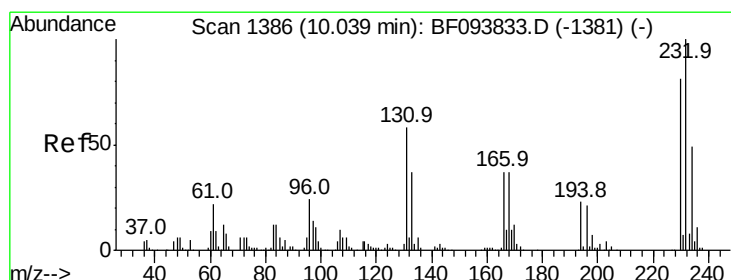
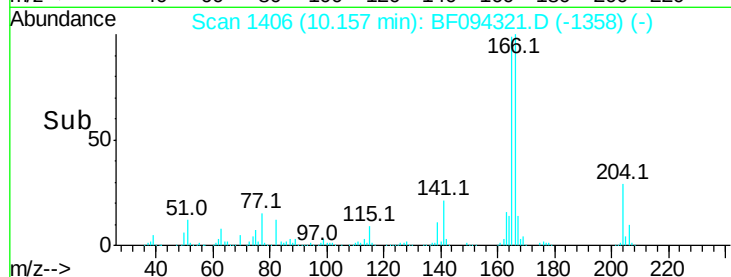
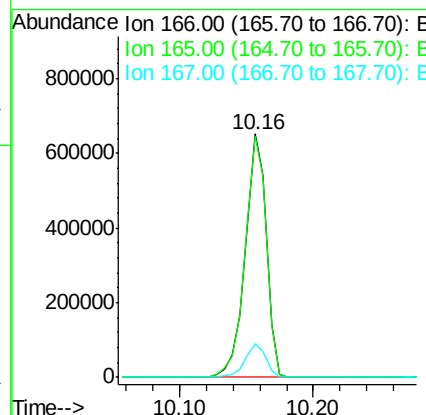
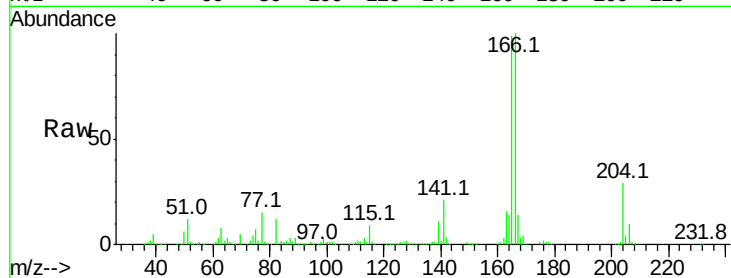
B-26-S1(0-2)MSD

Tot Ion:	166	Resp:	712448
Ion Ratio	Lower	Upper	
166	100		
165	99.2	78.8	118.2
167	13.7	10.6	16.0

Manual Integrations
APPROVED

mohammad

4/11/2017 12:53:20 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 39.05 ng

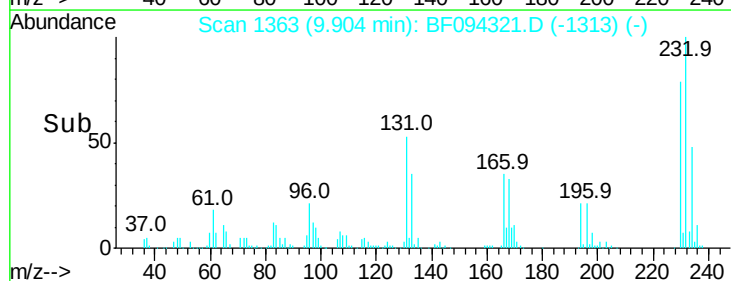
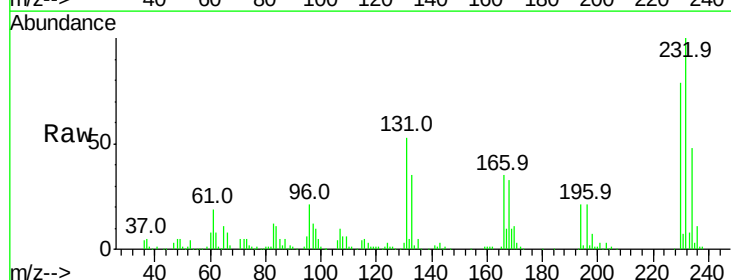
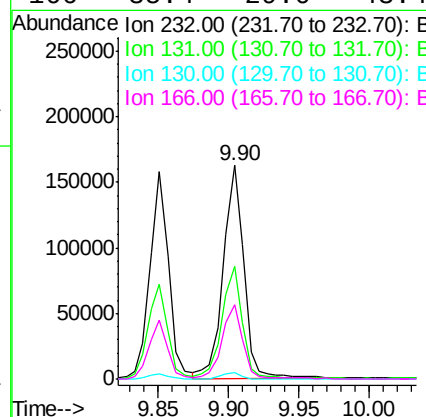
RT: 9.90 min Scan# 1363

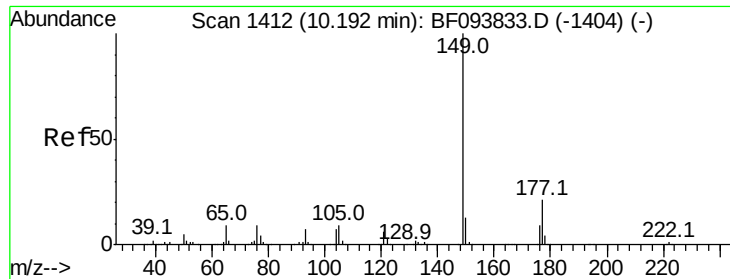
Delta R.T. -0.01 min

Lab File: BF094321.D

Acq: 10 Apr 2017 19:49

Tgt Ion:	232	Resp:	165146
Ion Ratio	Lower	Upper	
232	100		
131	51.6	44.8	67.2
130	2.7	2.3	3.5
166	35.4	29.0	43.4





#59
Diethylphthalate
Concen: 38.18 ng
RT: 10.05 min Scan# 1387
Delta R.T. -0.01 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

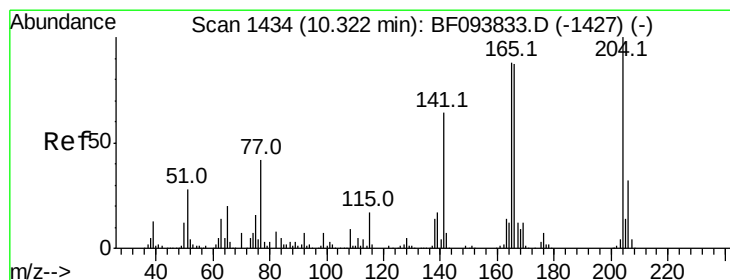
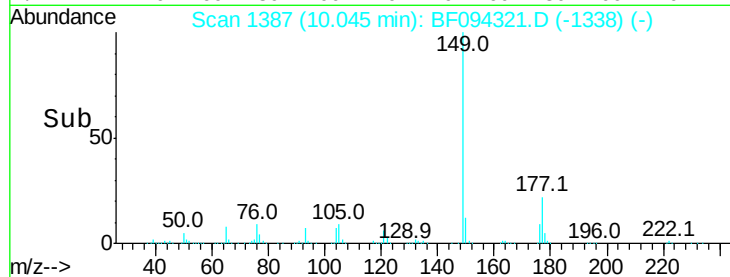
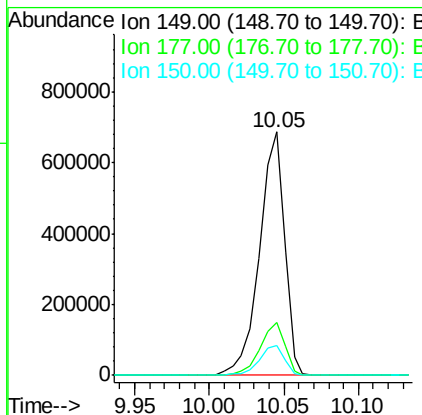
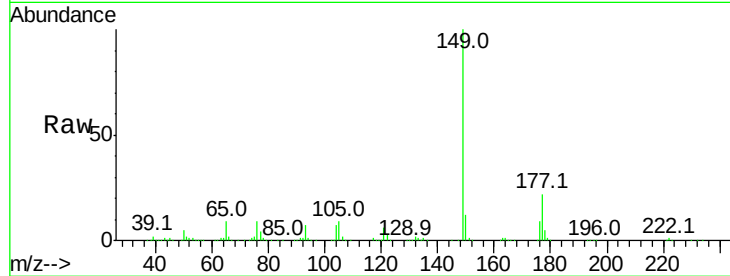
Instrument :
BNA_F
ClientSampleId :
B-26-S1(0-2)MSD

Tot Ion:	149	Resp:	789463
Ion Ratio	Lower	Upper	
149	100		
177	21.5	16.7	25.1
150	12.4	10.2	15.2

Manual Integrations
APPROVED

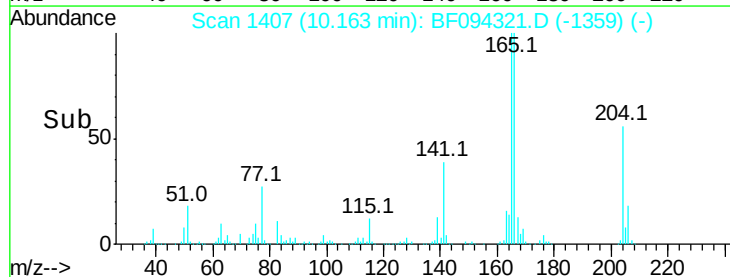
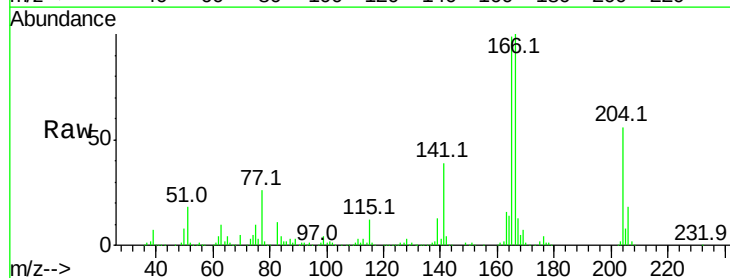
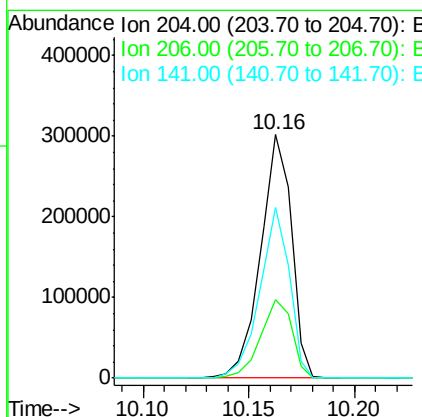
mohammad

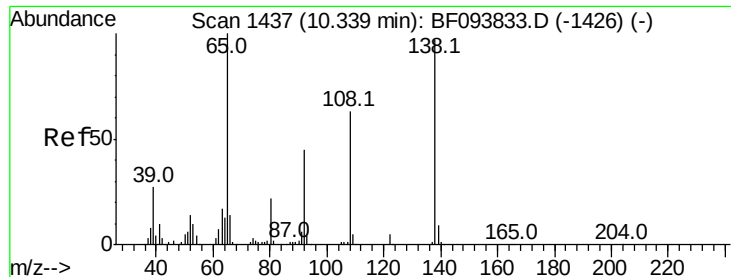
4/11/2017 12:53:20 PM



#60
4-Chlorophenyl-phenylether
Concen: 35.55 ng
RT: 10.16 min Scan# 1407
Delta R.T. -0.02 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

Tgt Ion:	204	Resp:	308120
Ion Ratio	Lower	Upper	
204	100		
206	32.2	26.2	39.2
141	69.9	60.8	91.2





#61
4-Nitroaniline
Concen: 34.58 ng
RT: 10.20 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

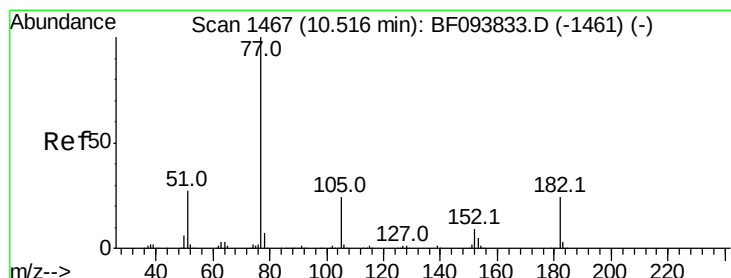
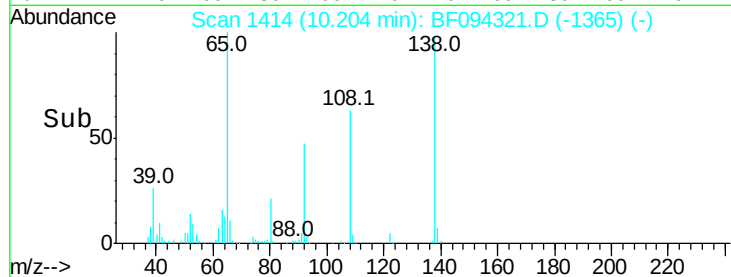
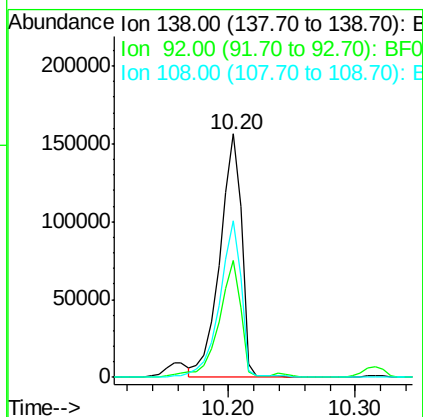
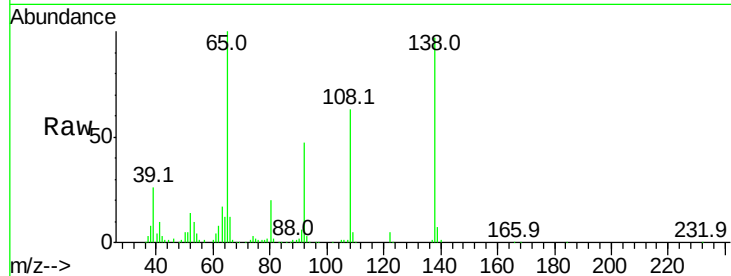
Instrument :
BNA_F
ClientSampleId :
B-26-S1(0-2)MSD

Tot Ion:	138	Resp:	186865
Ion Ratio	Lower	Upper	
138	100		
92	48.0	21.8	61.8
108	64.4	42.3	82.3

Manual Integrations
APPROVED

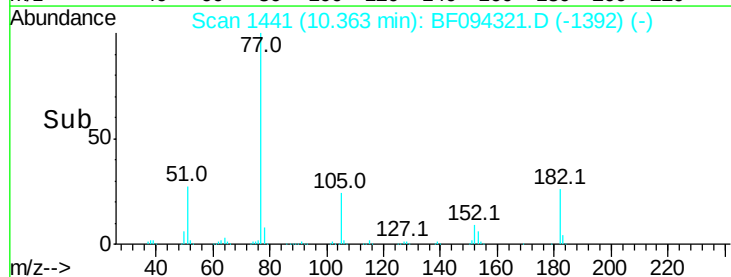
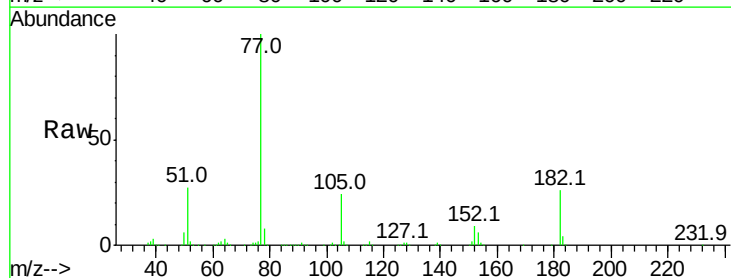
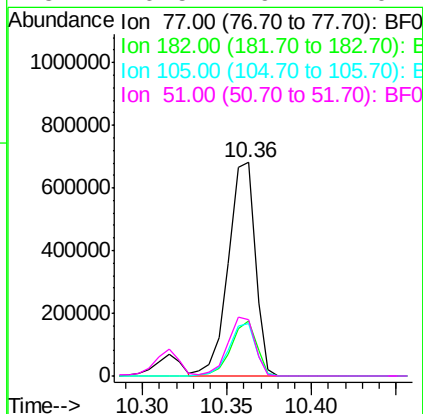
mohammad

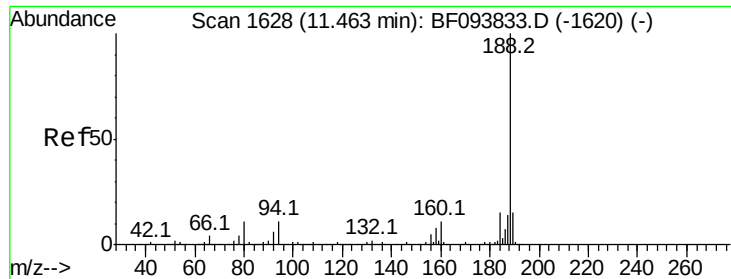
4/11/2017 12:53:20 PM



#62
Azobenzene
Concen: 38.62 ng
RT: 10.36 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

Tgt Ion:	77	Resp:	755352
Ion Ratio	Lower	Upper	
77	100		
182	25.9	0.1	40.1
105	24.5	3.6	43.6
51	26.5	9.4	49.4





#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 1601
Delta R.T. -0.02 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

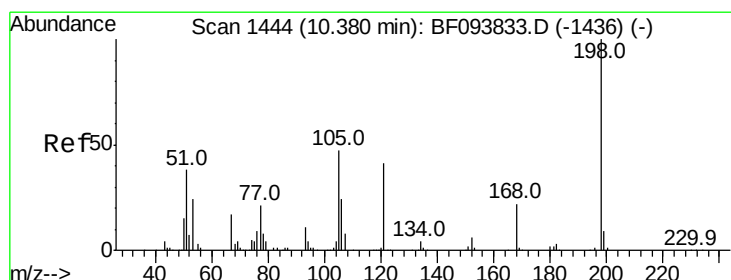
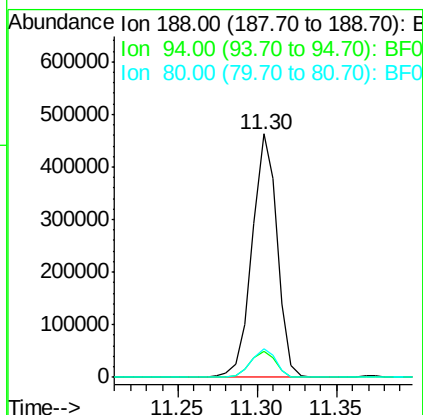
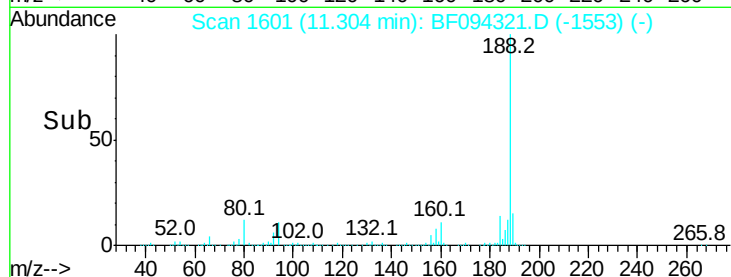
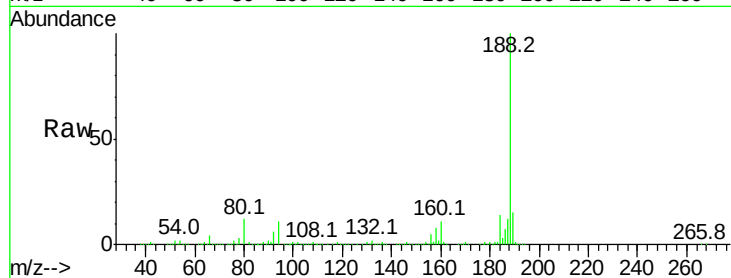
Instrument :
BNA_F
ClientSampleId :
B-26-S1(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100	507190		
94	10.8		9.4	14.2
80	11.7		10.2	15.2

Manual Integrations
APPROVED

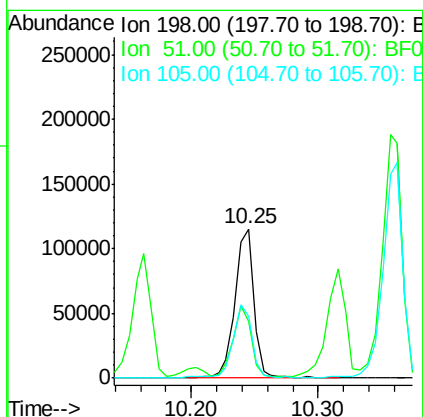
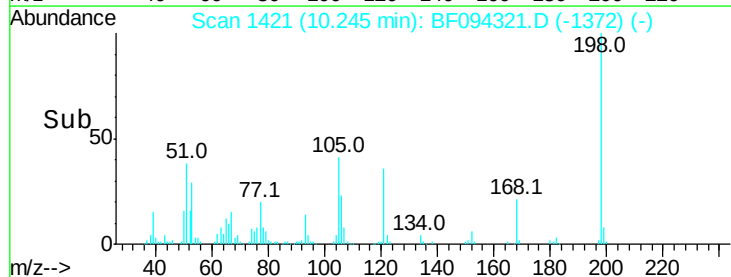
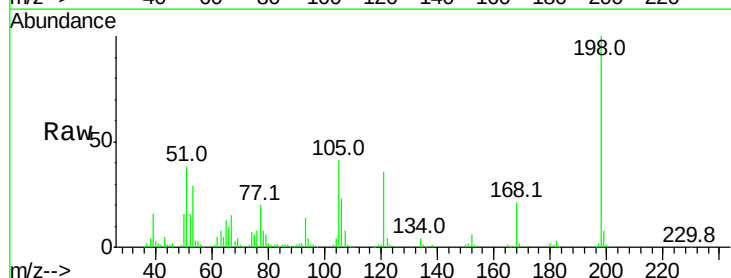
mohammad

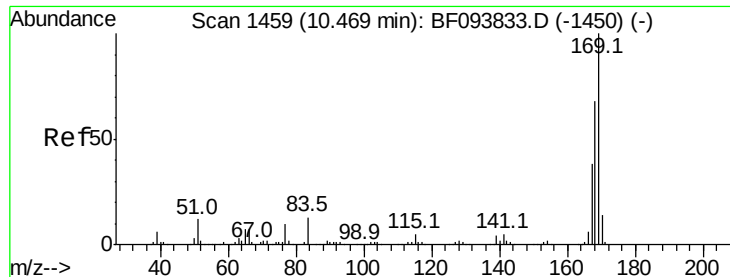
4/11/2017 12:53:20 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 38.49 ng
RT: 10.25 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	119564		
51	37.8		53.2	93.2#
105	41.3		45.8	85.8#





#65

n-Nitrosodiphenylamine

Concen: 37.87 ng

RT: 10.32 min Scan# 1433

Delta R.T. -0.02 min

Lab File: BF094321.D

Acq: 10 Apr 2017 19:49

Instrument :

BNA_F

ClientSampleId :

B-26-S1(0-2)MSD

Tot Ion:169 Resp: 664200

Ion Ratio Lower Upper

169 100

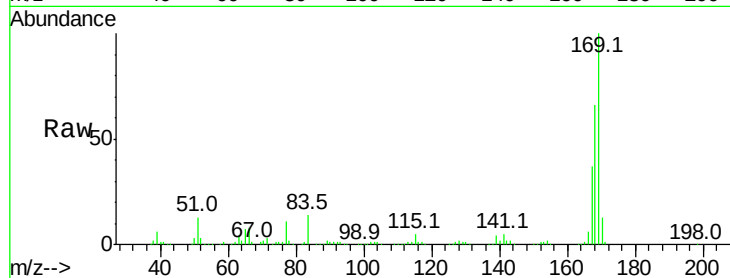
168 66.3 53.2 79.8

167 37.4 29.5 44.3

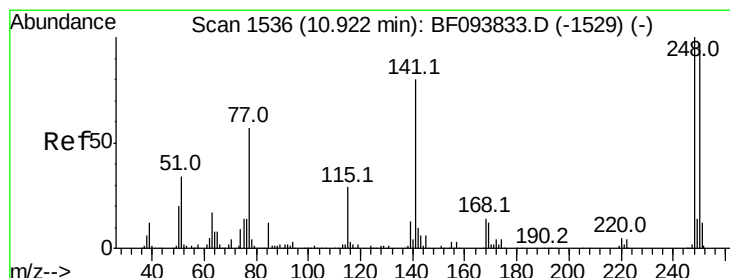
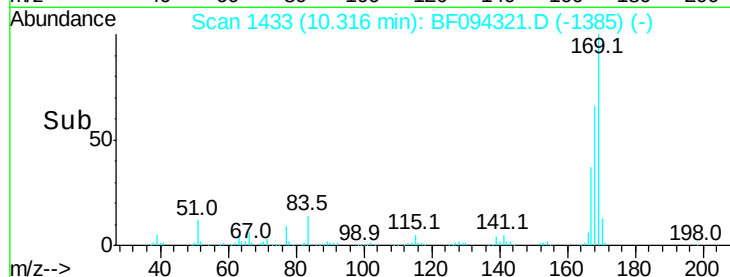
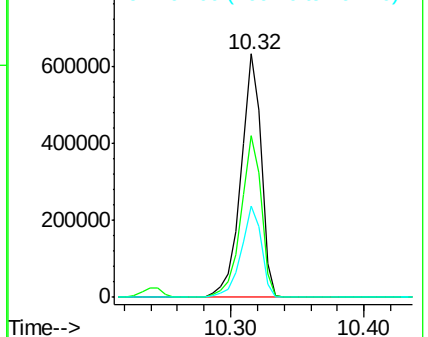
Manual Integrations
APPROVED

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



#66

4-Bromophenyl-phenylether

Concen: 37.76 ng

RT: 10.76 min Scan# 1509

Delta R.T. -0.02 min

Lab File: BF094321.D

Acq: 10 Apr 2017 19:49

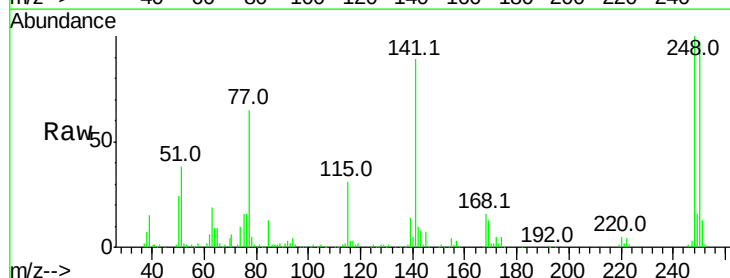
Tgt Ion:248 Resp: 188373

Ion Ratio Lower Upper

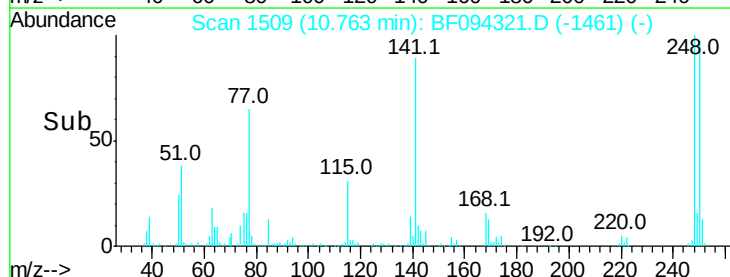
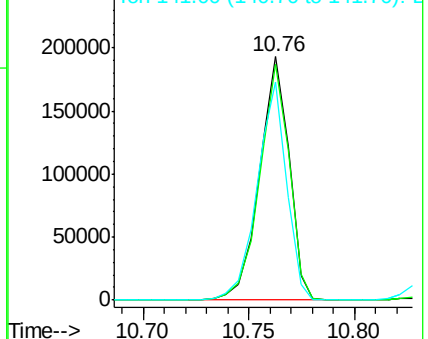
248 100

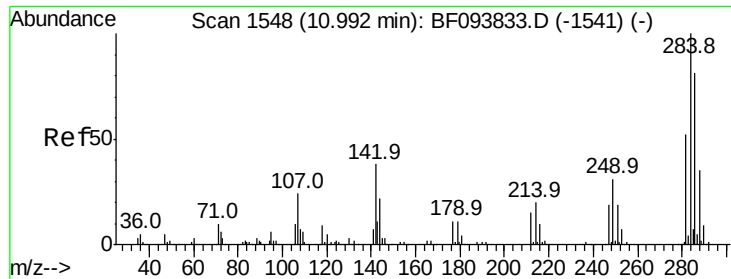
250 96.8 76.8 115.2

141 89.5 68.6 103.0



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





#67

Hexachlorobenzene

Concen: 38.15 ng

RT: 10.83 min Scan# 1521

Delta R.T. -0.02 min

Lab File: BF094321.D

Acq: 10 Apr 2017 19:49

Instrument :

BNA_F

ClientSampleId :

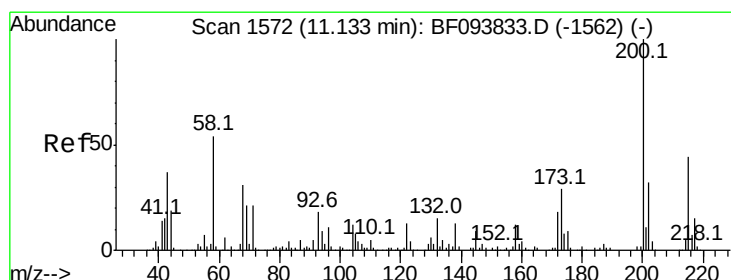
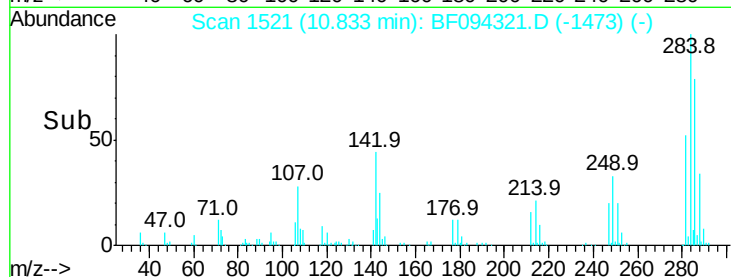
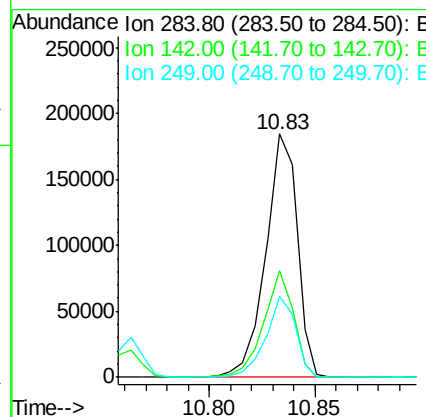
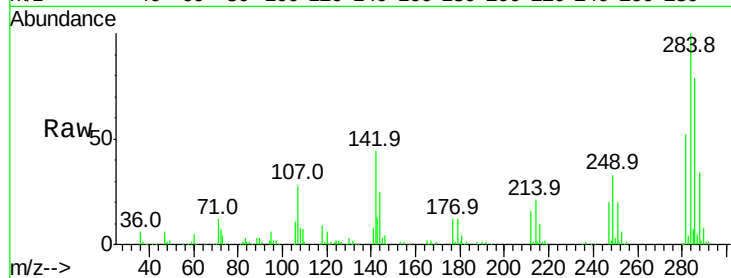
B-26-S1(0-2)MSD

Tot Ion:	284	Resp:	192654
Ion Ratio	Lower	Upper	
284	100		
142	44.0	22.8	34.2#
249	33.2	24.0	36.0

Manual Integrations
APPROVED

mohammad

4/11/2017 12:53:20 PM



#68

Atrazine

Concen: 36.52 ng

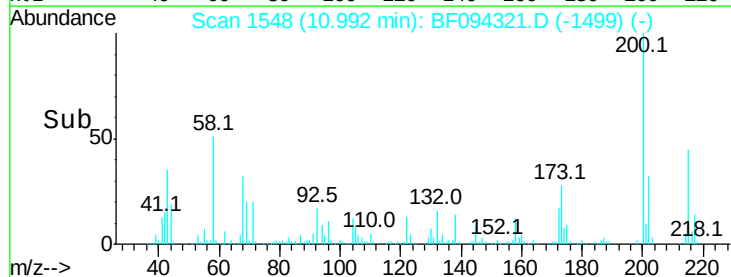
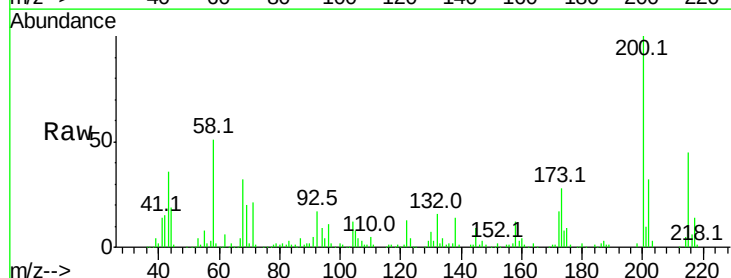
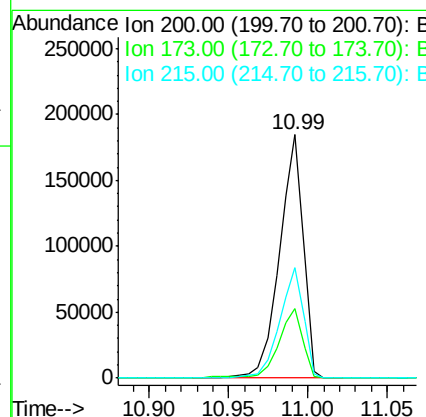
RT: 10.99 min Scan# 1548

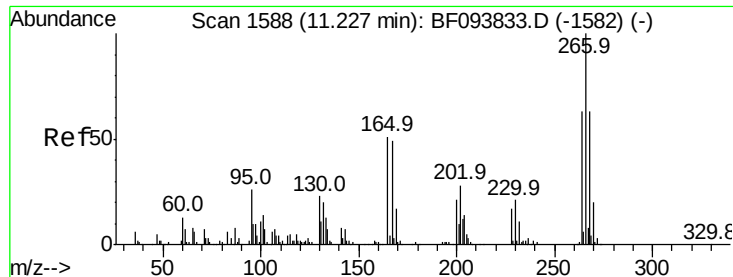
Delta R.T. -0.01 min

Lab File: BF094321.D

Acq: 10 Apr 2017 19:49

Tgt Ion:	200	Resp:	191876
Ion Ratio	Lower	Upper	
200	100		
173	28.4	6.3	46.3
215	45.5	27.2	67.2





#69
 Pentachlorophenol
 Concen: 53.41 ng
 RT: 11.09 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF094321.D
 Acq: 10 Apr 2017 19:49

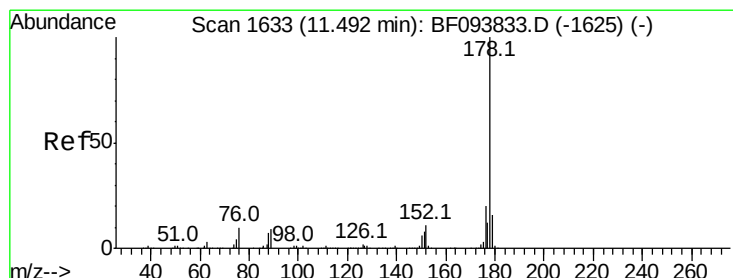
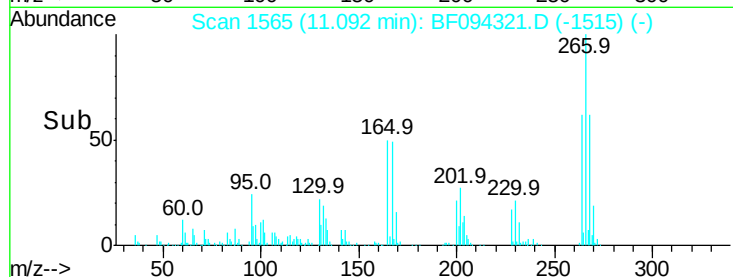
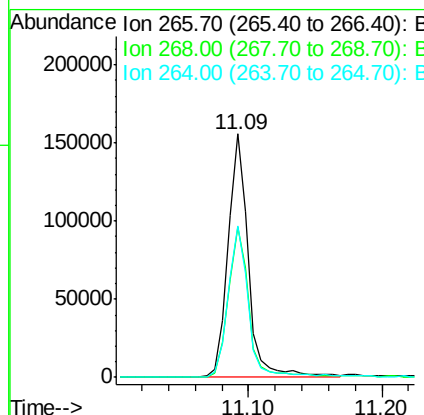
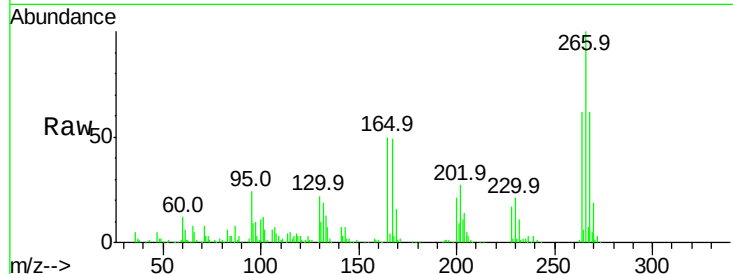
Instrument :
 BNA_F
 ClientSampleId :
 B-26-S1(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	167880		
268	61.9		51.1	76.7
264	62.0		51.7	77.5

Manual Integrations
 APPROVED

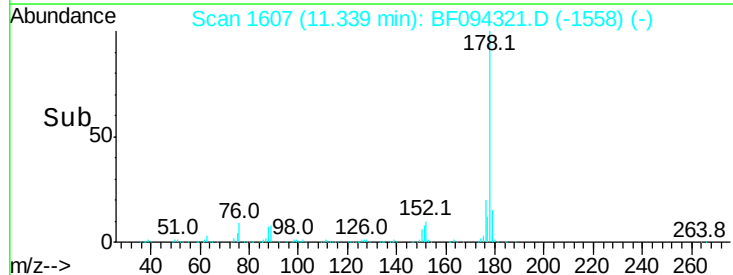
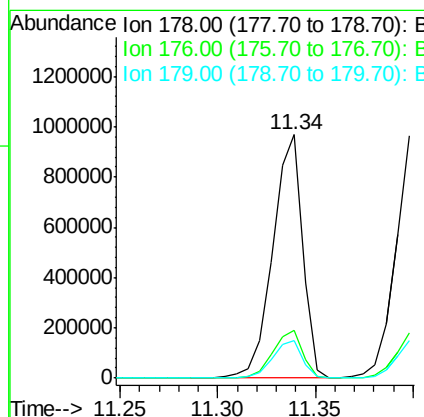
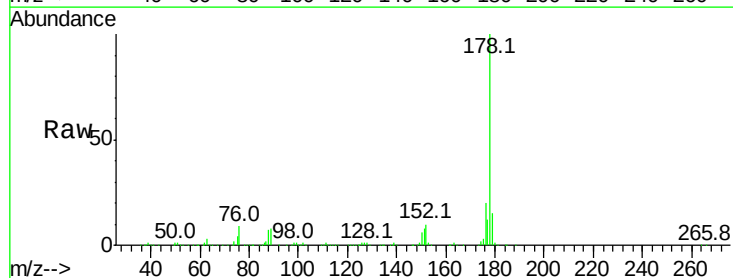
mohammad

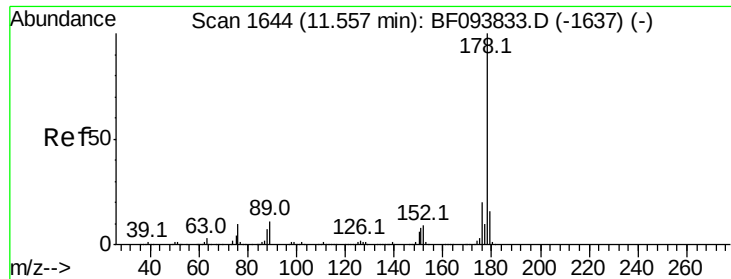
4/11/2017 12:53:20 PM



#70
 Phenanthrene
 Concen: 36.25 ng
 RT: 11.34 min Scan# 1607
 Delta R.T. -0.01 min
 Lab File: BF094321.D
 Acq: 10 Apr 2017 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1022706		
176	19.6		16.2	24.4
179	15.3		12.6	19.0





#71

Anthracene

Concen: 36.92 ng

RT: 11.40 min Scan# 1617

Delta R.T. -0.02 min

Lab File: BF094321.D

Acq: 10 Apr 2017 19:49

Instrument :

BNA_F

ClientSampleId :

B-26-S1(0-2)MSD

Tot Ion:178 Resp: 1072471

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

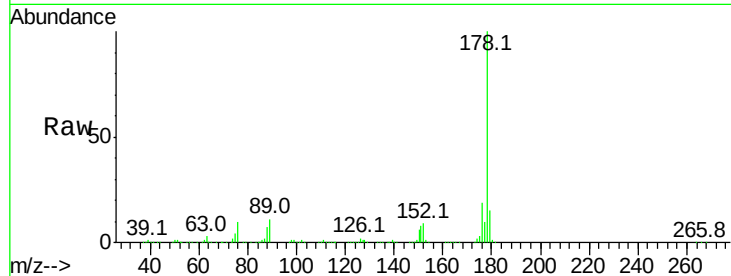
179 15.4 12.7 19.1

Manual Integrations

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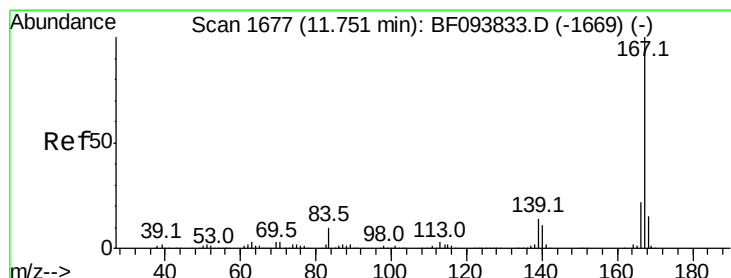
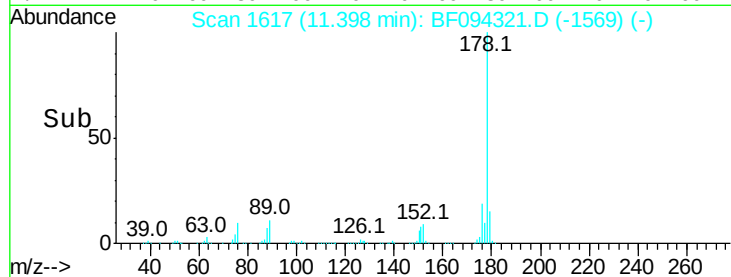
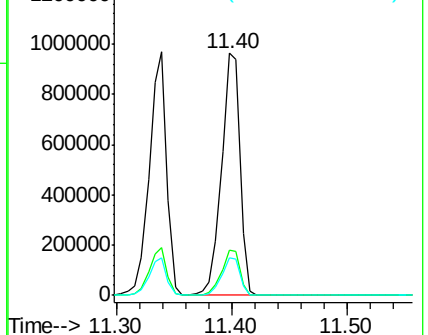
4/11/2017 12:53:20 PM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 33.54 ng

RT: 11.61 min Scan# 1653

Delta R.T. -0.01 min

Lab File: BF094321.D

Acq: 10 Apr 2017 19:49

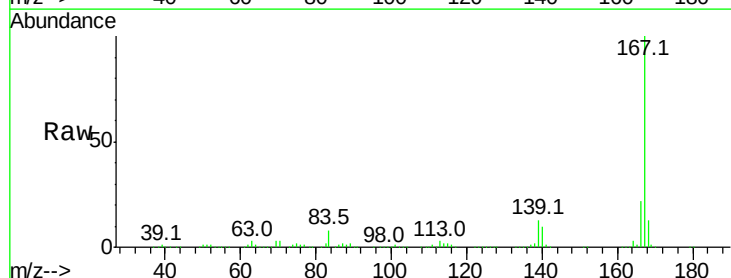
Tgt Ion:167 Resp: 999243

Ion Ratio Lower Upper

167 100

166 22.4 18.1 27.1

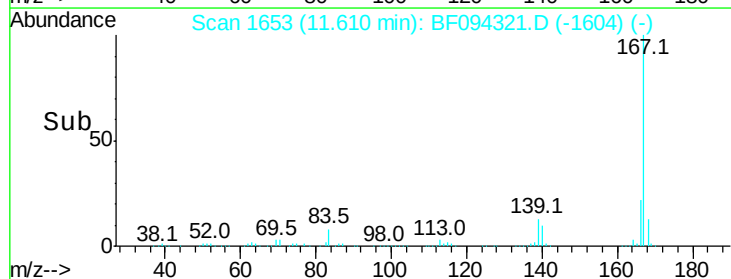
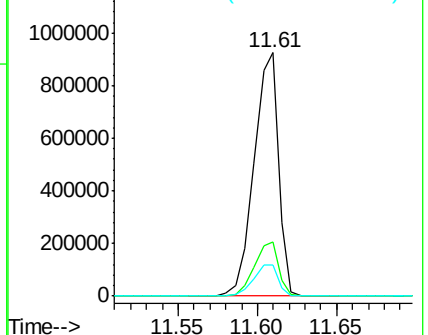
139 13.0 11.7 17.5

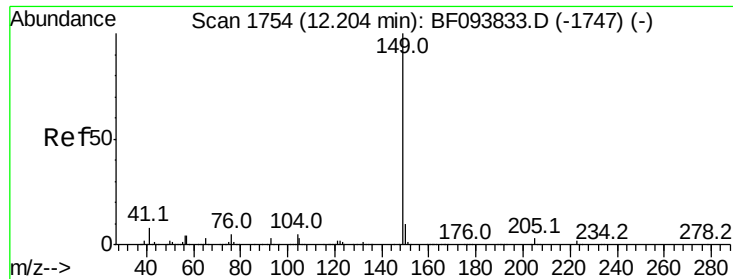


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 38.58 ng

RT: 12.05 min Scan# 1728

Delta R.T. -0.02 min

Lab File: BF094321.D

Acq: 10 Apr 2017 19:49

Instrument :

BNA_F

ClientSampleId :

B-26-S1(0-2)MSD

Tot Ion:149 Resp: 1195265

Ion Ratio Lower Upper

149 100

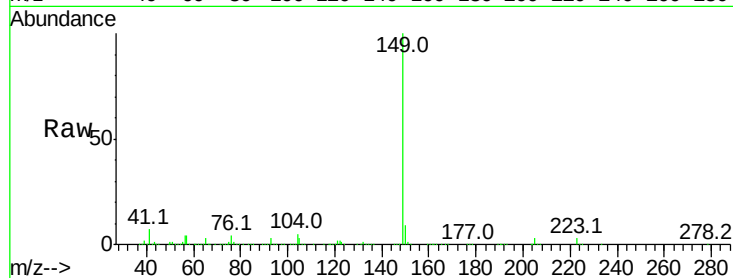
150 9.5 7.7 11.5

104 4.6 4.0 6.0

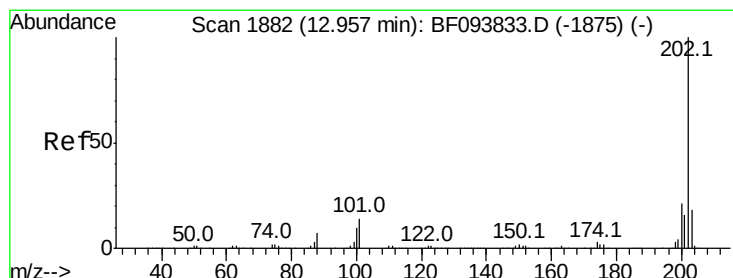
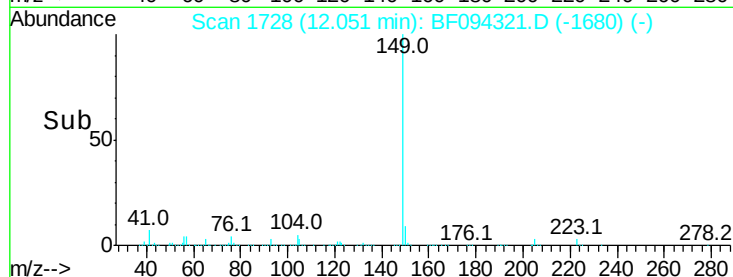
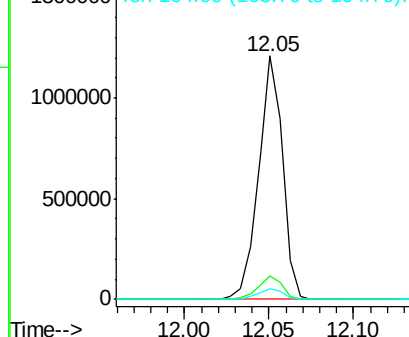
Manual Integrations
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 36.07 ng

RT: 12.80 min Scan# 1855

Delta R.T. -0.02 min

Lab File: BF094321.D

Acq: 10 Apr 2017 19:49

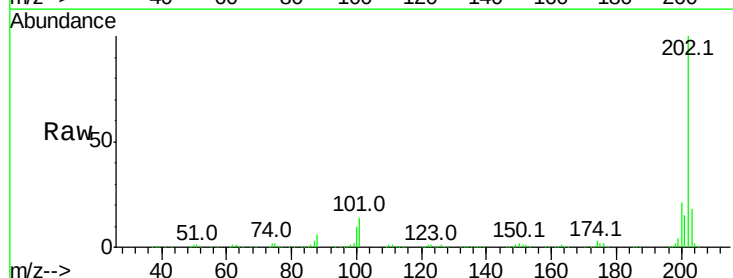
Tgt Ion:202 Resp: 1041969

Ion Ratio Lower Upper

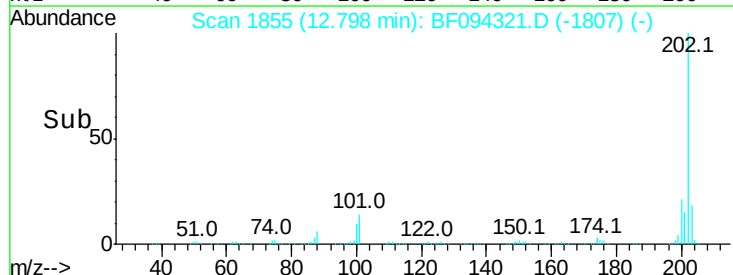
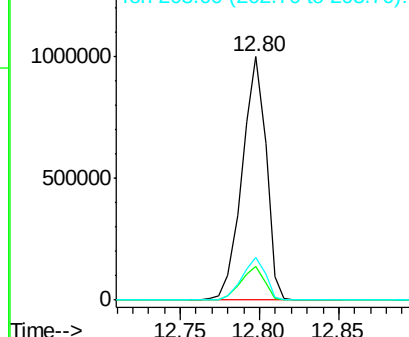
202 100

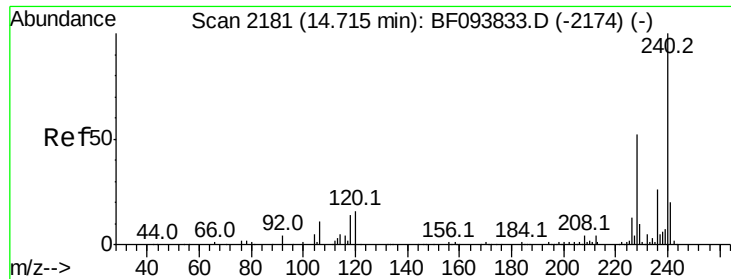
101 13.6 0.0 33.2

203 17.6 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: 14.56 min Scan# 2154

Delta R.T. -0.02 min

Lab File: BF094321.D

Acq: 10 Apr 2017 19:49

Instrument :

BNA_F

ClientSampleId :

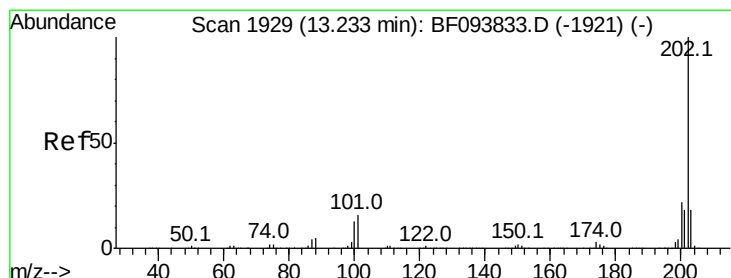
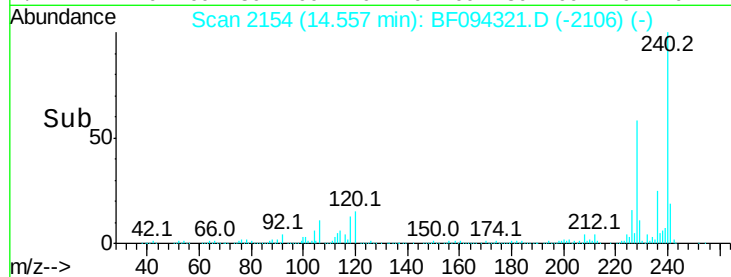
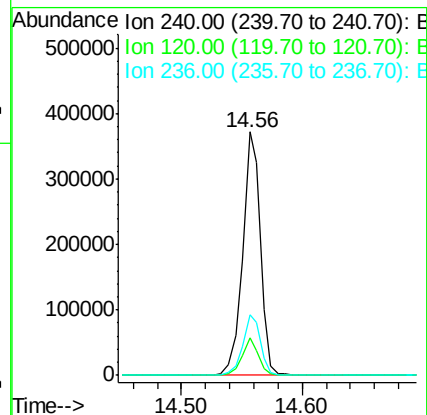
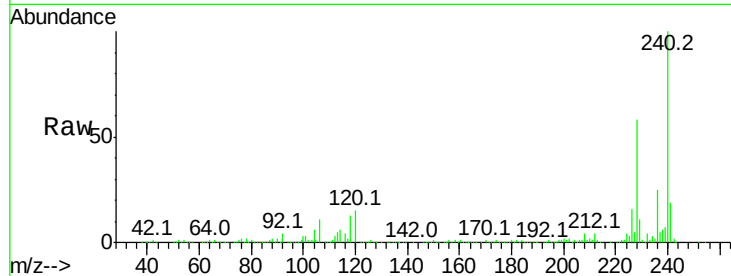
B-26-S1(0-2)MSD

Tot Ion:	240	Resp:	380423
Ion Ratio	Lower	Upper	
240	100		
120	15.4	5.8	8.8#
236	24.9	20.5	30.7

Manual Integrations
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mohammad

4/11/2017 12:53:20 PM



#77

Pyrene

Concen: 38.06 ng

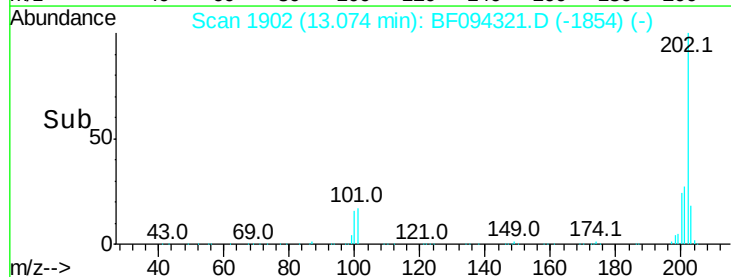
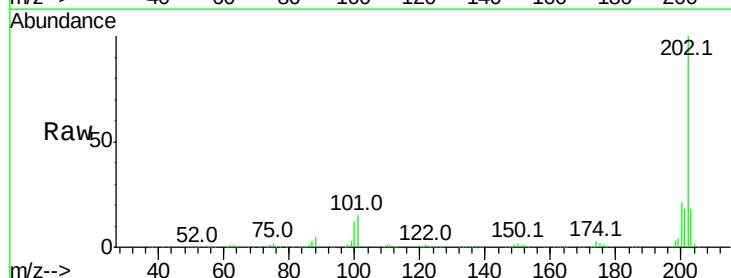
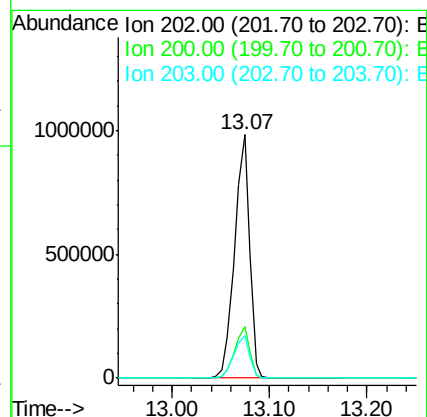
RT: 13.07 min Scan# 1902

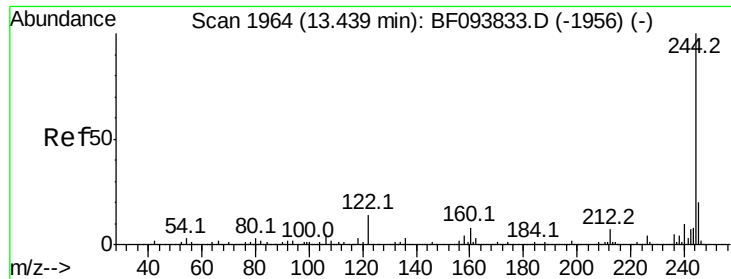
Delta R.T. -0.02 min

Lab File: BF094321.D

Acq: 10 Apr 2017 19:49

Tgt Ion:	202	Resp:	1050828
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.6	26.4
203	17.6	14.4	21.6





#78
 Terphenyl-d14
 Concen: 72.05 ng
 RT: 13.29 min Scan# 1938
 Delta R.T. -0.01 min
 Lab File: BF094321.D
 Acq: 10 Apr 2017 19:49

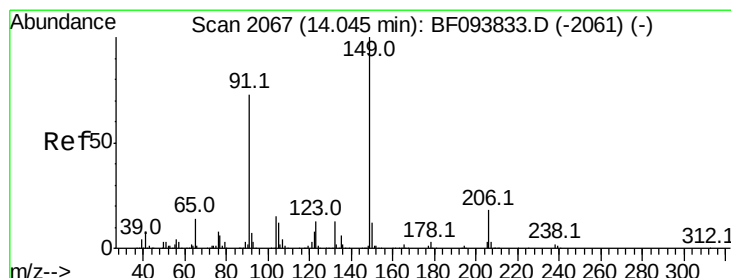
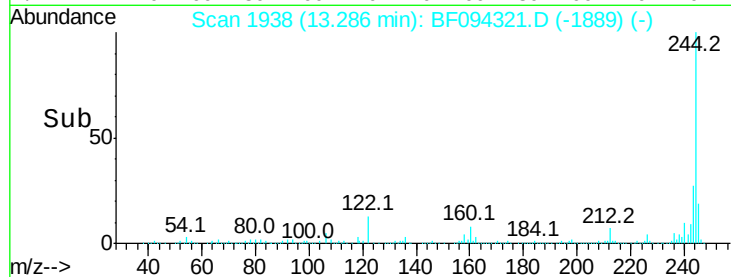
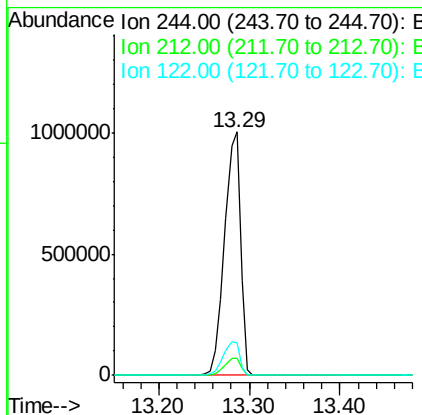
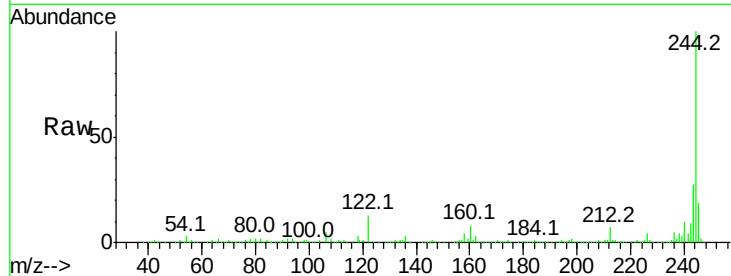
Instrument :
 BNA_F
 ClientSampleId :
 B-26-S1(0-2)MSD

Tot Ion:244 Resp: 1222790
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 13.3 10.3 15.5

Manual Integrations
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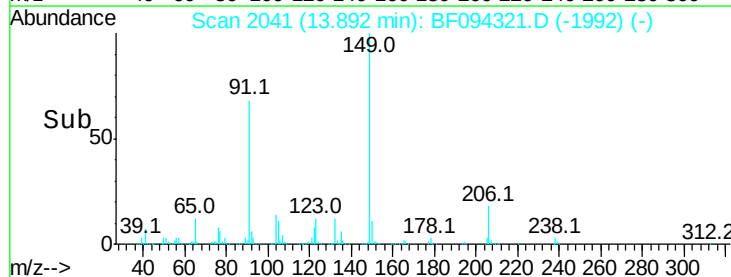
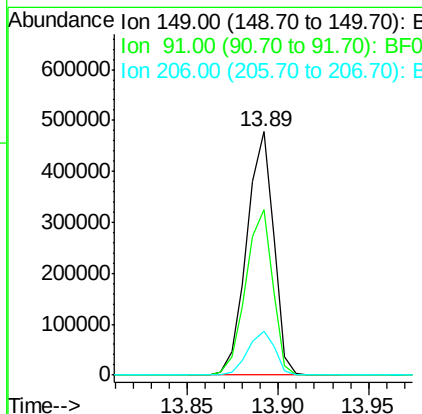
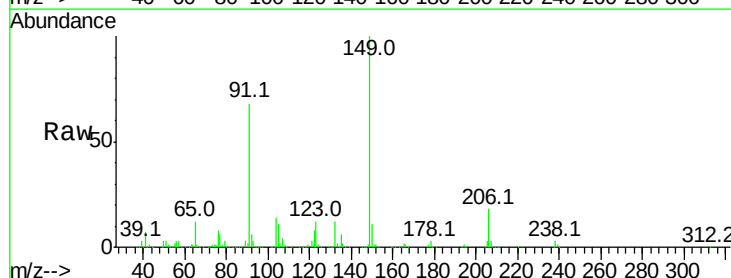
mohammad

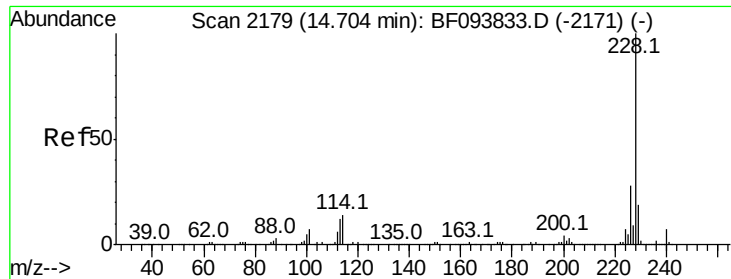
4/11/2017 12:53:20 PM



#79
 Butylbenzylphthalate
 Concen: 41.89 ng
 RT: 13.89 min Scan# 2041
 Delta R.T. -0.01 min
 Lab File: BF094321.D
 Acq: 10 Apr 2017 19:49

Tgt Ion:149 Resp: 492739
 Ion Ratio Lower Upper
 149 100
 91 67.9 45.0 67.4#
 206 18.1 17.0 25.6





#80
Benzo(a)anthracene
Concen: 36.20 ng
RT: 14.54 min Scan# 2152
Delta R.T. -0.02 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

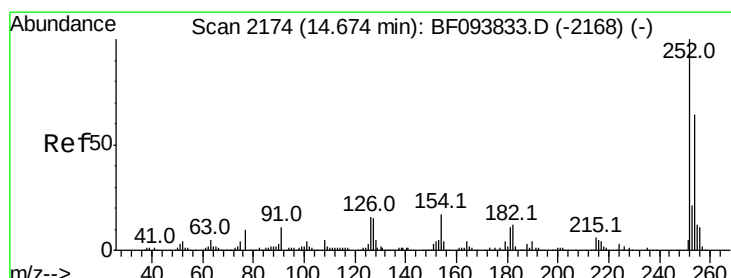
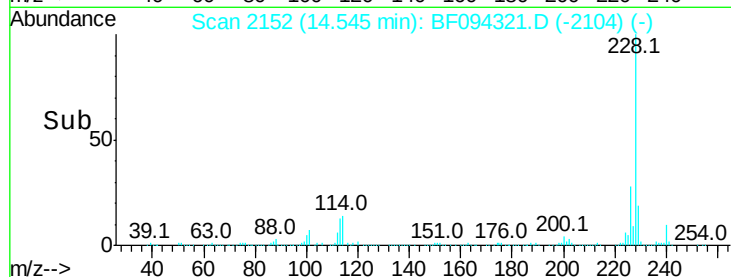
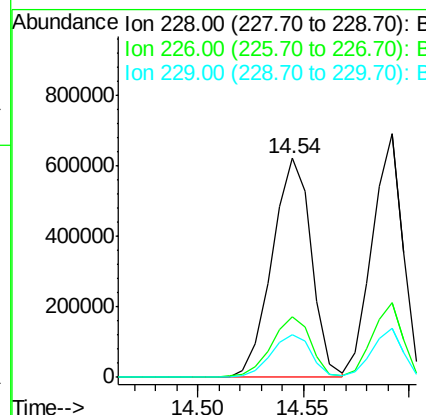
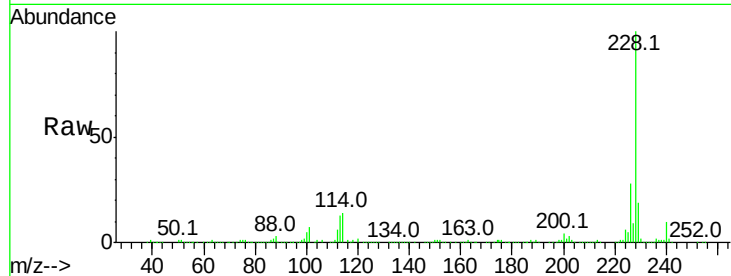
Instrument :
BNA_F
ClientSampleId :
B-26-S1(0-2)MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	19.5	16.3	24.5

Manual Integrations
APPROVED

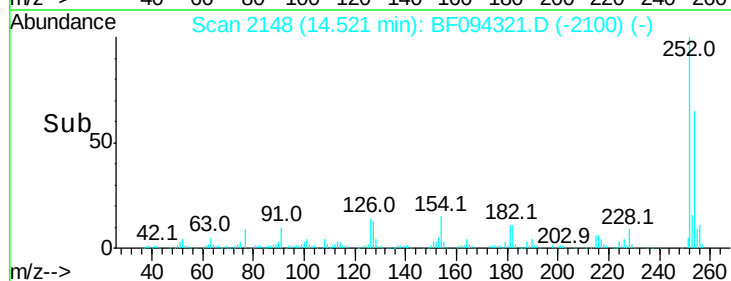
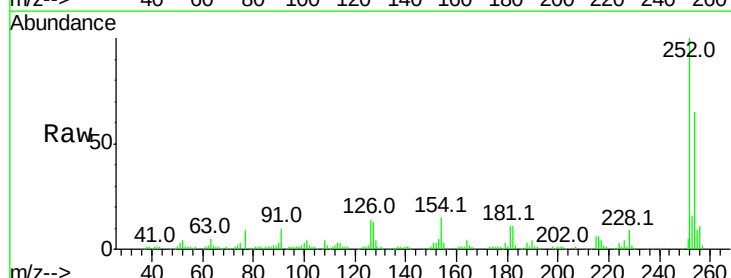
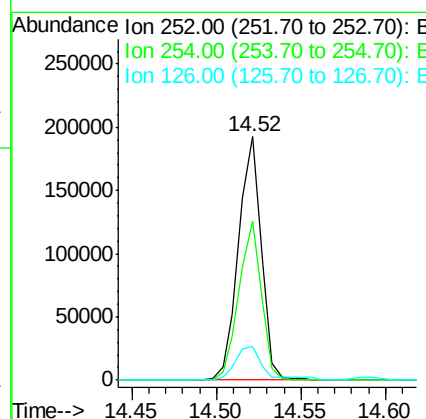
mohammad

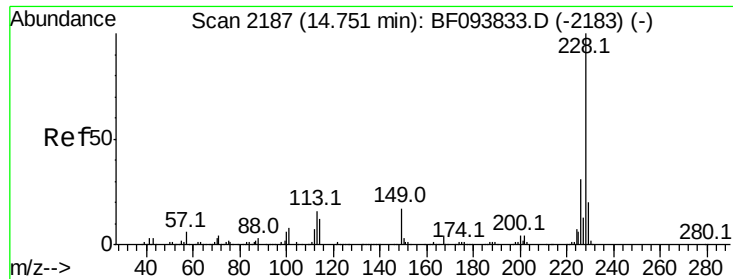
4/11/2017 12:53:20 PM



#81
3,3'-Dichlorobenzidine
Concen: 22.80 ng
RT: 14.52 min Scan# 2148
Delta R.T. -0.02 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.4	51.5	77.3
126	13.6	15.8	23.8#





#82
 Chrysene
 Concen: 34.05 ng
 RT: 14.59 min Scan# 2160
 Delta R.T. -0.02 min
 Lab File: BF094321.D
 Acq: 10 Apr 2017 19:49

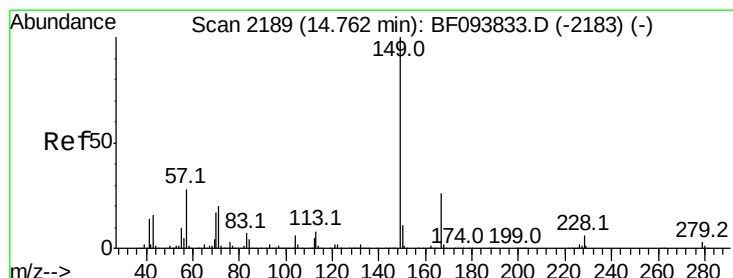
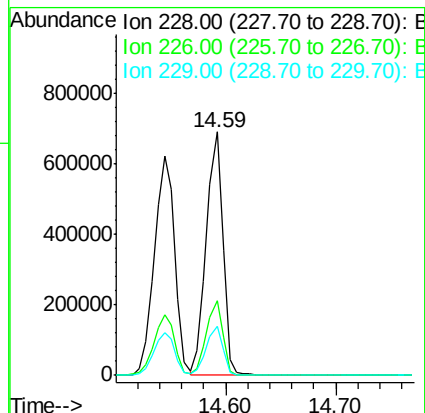
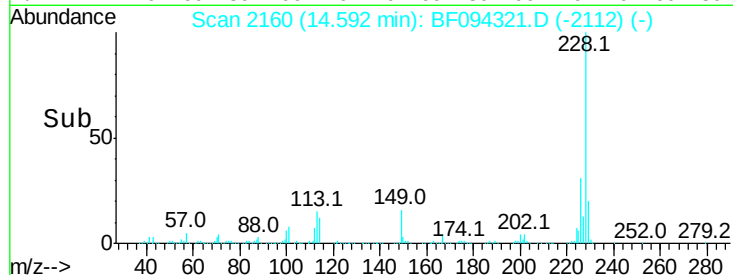
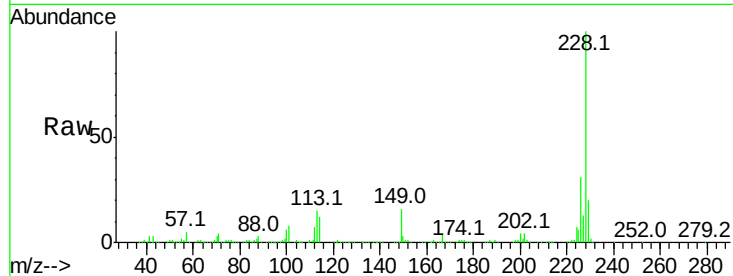
Instrument :
 BNA_F
 ClientSampleId :
 B-26-S1(0-2)MSD

Tot Ion:	228	Resp:	701050
Ion Ratio	Lower	Upper	
228	100		
226	30.8	24.9	37.3
229	20.1	15.8	23.6

Manual Integrations
 APPROVED

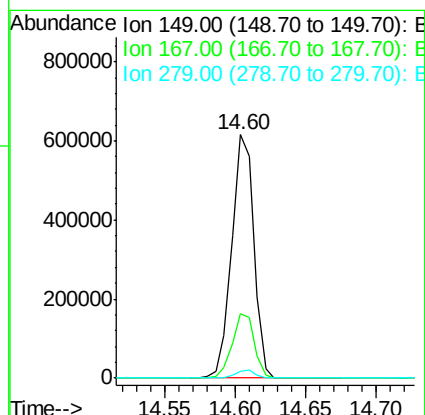
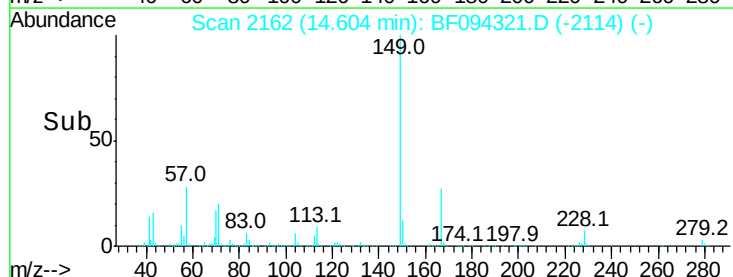
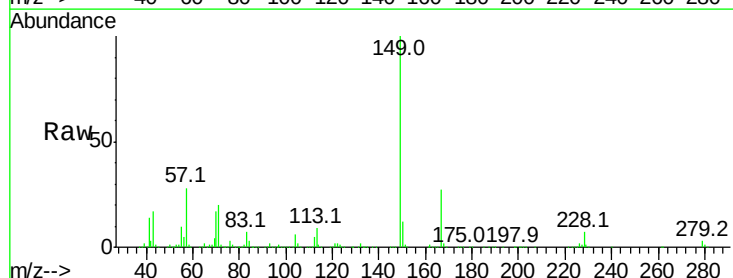
mohammad

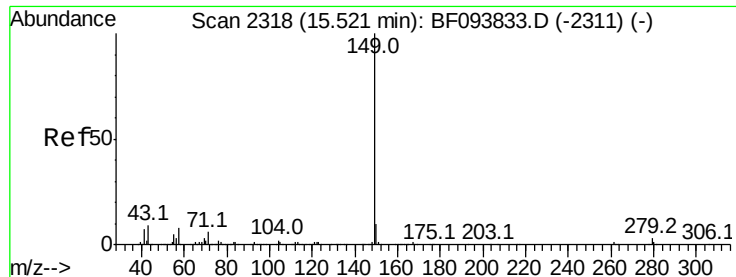
4/11/2017 12:53:20 PM



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 41.79 ng
 RT: 14.60 min Scan# 2162
 Delta R.T. -0.02 min
 Lab File: BF094321.D
 Acq: 10 Apr 2017 19:49

Tgt Ion:	149	Resp:	670671
Ion Ratio	Lower	Upper	
149	100		
167	26.5	21.0	31.4
279	2.8	1.9	2.9





#84

Di-n-octyl phthalate

Concen: 39.36 ng

RT: 15.36 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BF094321.D

Acq: 10 Apr 2017 19:49

Instrument :

BNA_F

ClientSampleId :

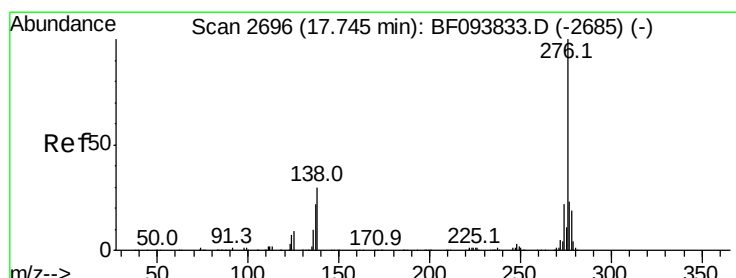
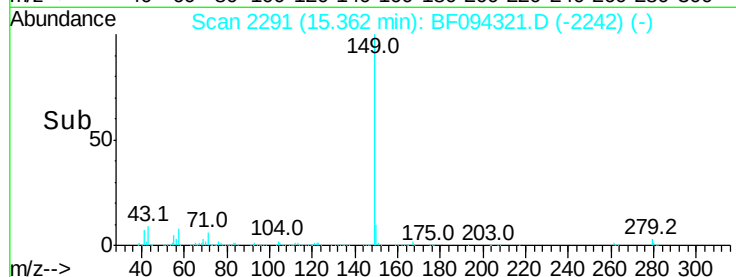
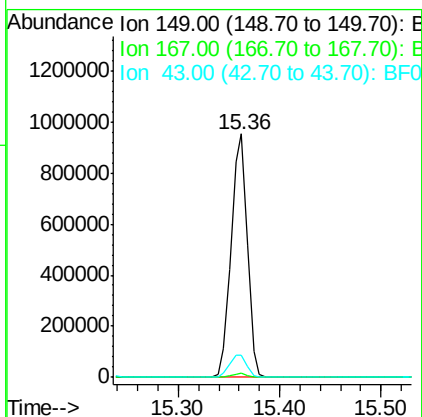
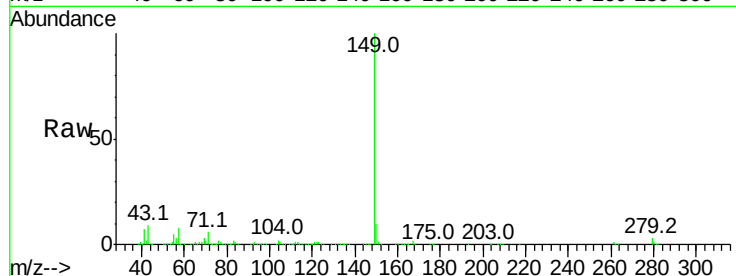
B-26-S1(0-2)MSD

Tot Ion:	149	Resp:	1055291
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.2	1.8
43	9.5	8.5	12.7

Manual Integrations
APPROVED

mohammad

4/11/2017 12:53:20 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 34.12 ng

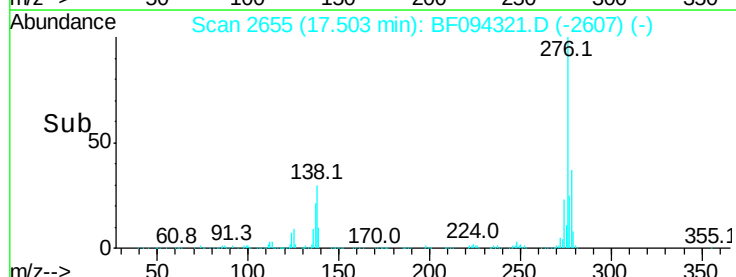
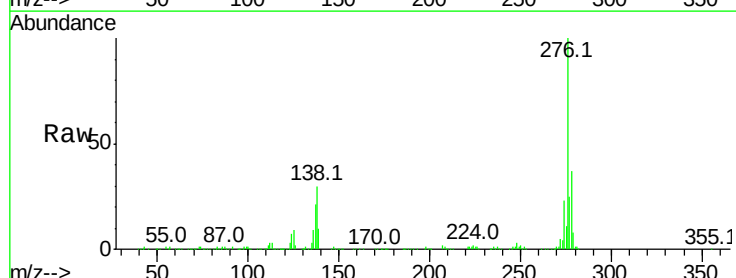
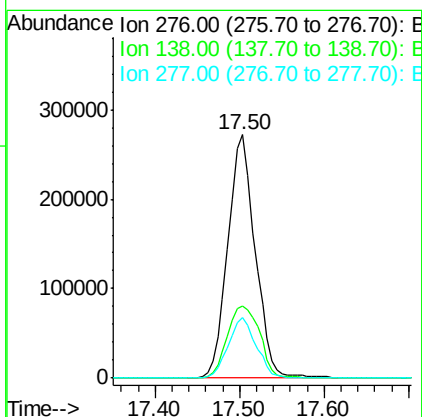
RT: 17.50 min Scan# 2655

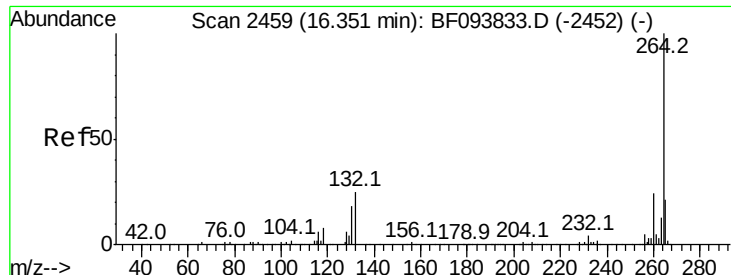
Delta R.T. -0.02 min

Lab File: BF094321.D

Acq: 10 Apr 2017 19:49

Tgt Ion:	276	Resp:	608284
Ion Ratio	Lower	Upper	
276	100		
138	35.3	27.8	41.6
277	25.6	20.2	30.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.18 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BF094321.D

Acq: 10 Apr 2017 19:49

Instrument :

BNA_F

ClientSampleId :

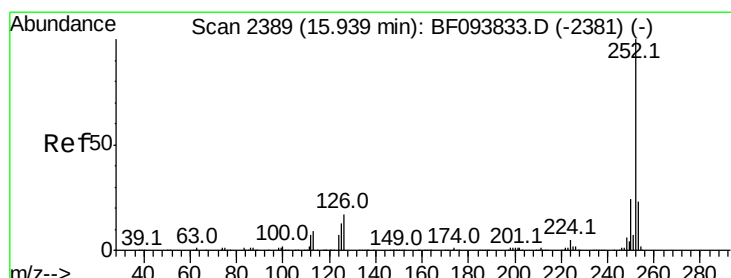
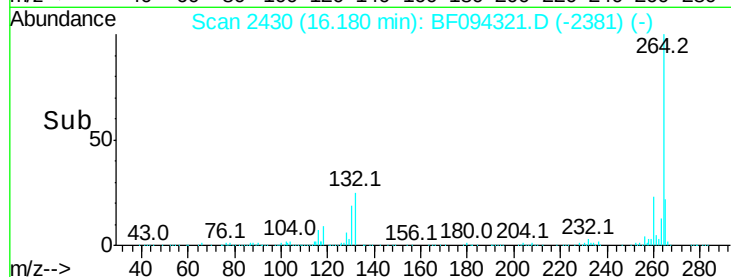
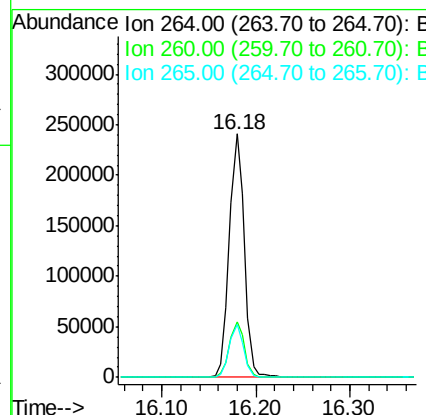
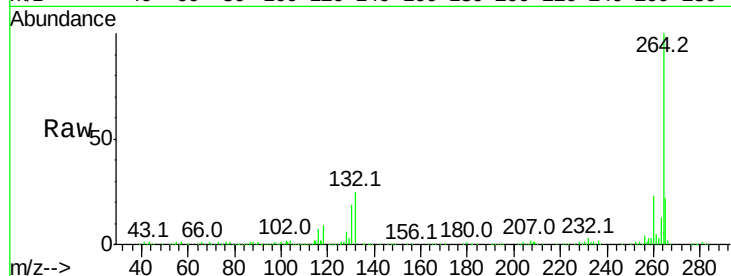
B-26-S1(0-2)MSD

Tot Ion:	264	Resp:	269208
Ion Ratio	Lower	Upper	
264	100		
260	22.8	19.5	29.3
265	21.7	17.2	25.8

Manual Integrations
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mohammad

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#87

Benzo(b)fluoranthene

Concen: 37.42 ng

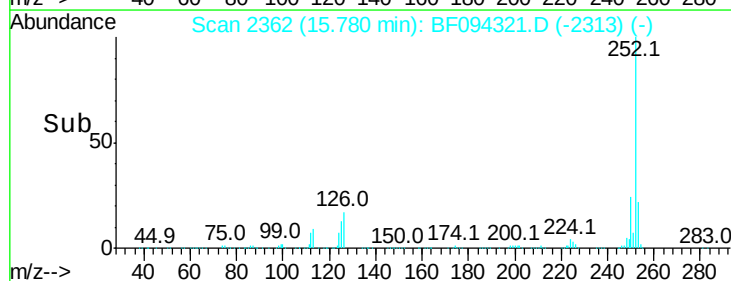
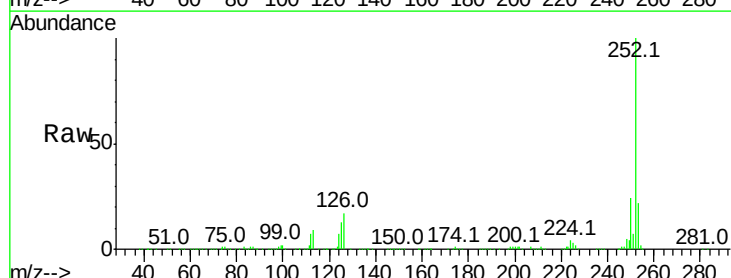
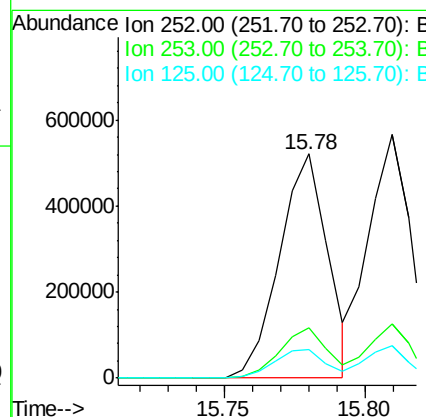
RT: 15.78 min Scan# 2362

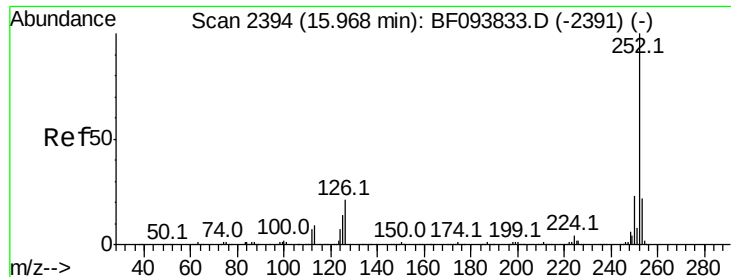
Delta R.T. -0.01 min

Lab File: BF094321.D

Acq: 10 Apr 2017 19:49

Tgt Ion:	252	Resp:	617426
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.1	27.1
125	12.6	9.8	14.8





#88
Benzo(k)fluoranthene
Concen: 36.83 ng
RT: 15.81 min Scan# 2367
Delta R.T. -0.02 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

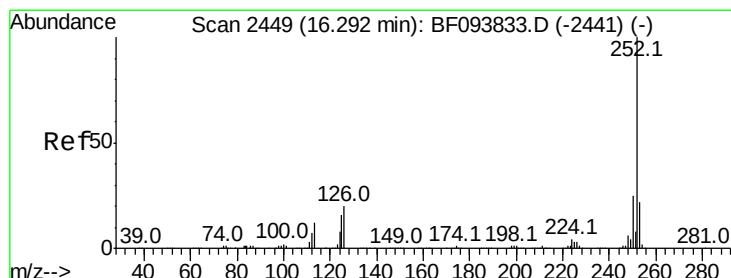
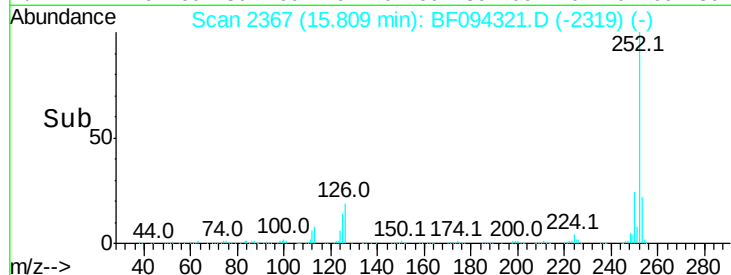
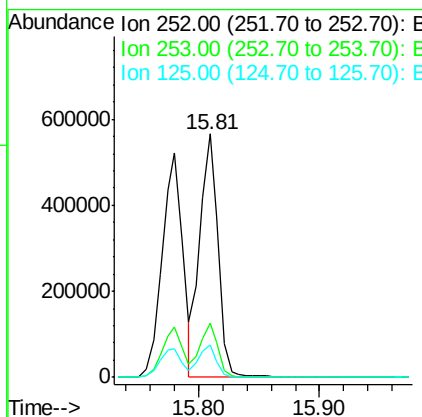
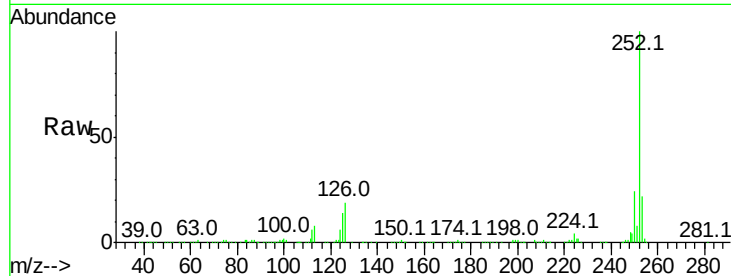
Instrument :
BNA_F
ClientSampleId :
B-26-S1(0-2)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.4	27.6
125	13.5	13.1	19.7

Manual Integrations
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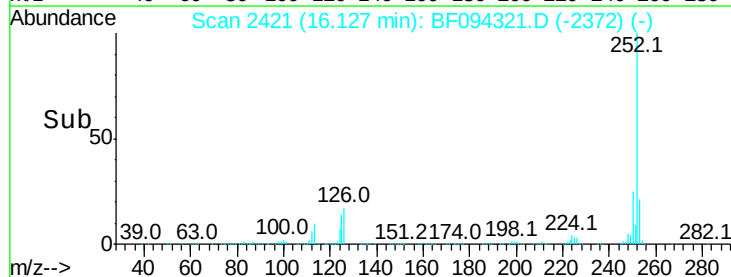
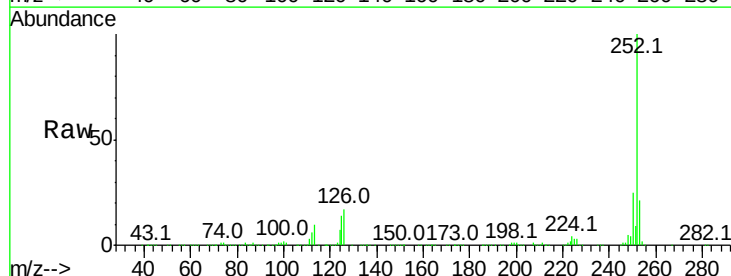
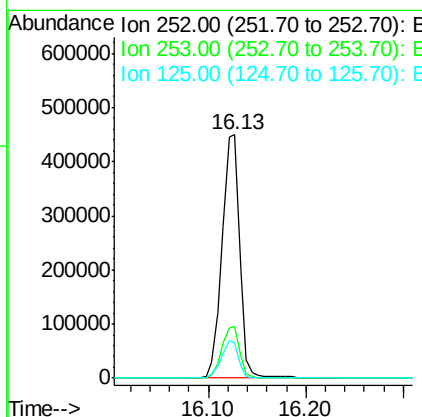
mohammad

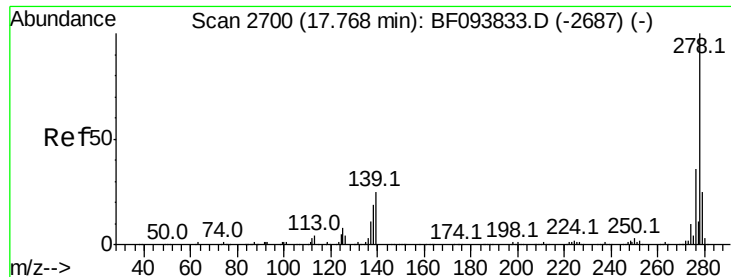
4/11/2017 12:53:20 PM



#89
Benzo(a)pyrene
Concen: 37.17 ng
RT: 16.13 min Scan# 2421
Delta R.T. -0.01 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	14.1	11.0	16.4





#90
Dibenzo(a,h)anthracene
Concen: 39.20 ng
RT: 17.52 min Scan# 2658
Delta R.T. -0.02 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

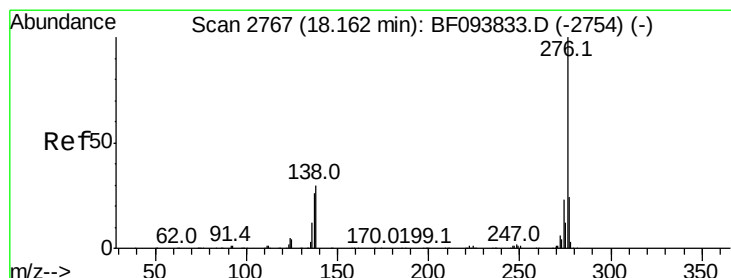
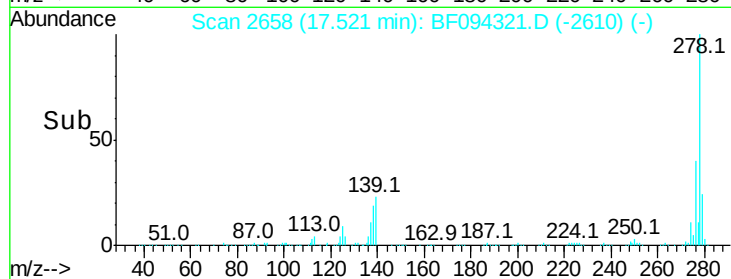
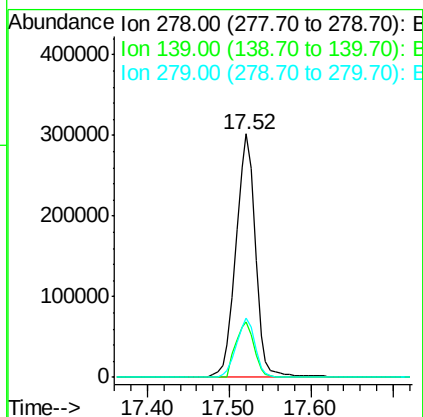
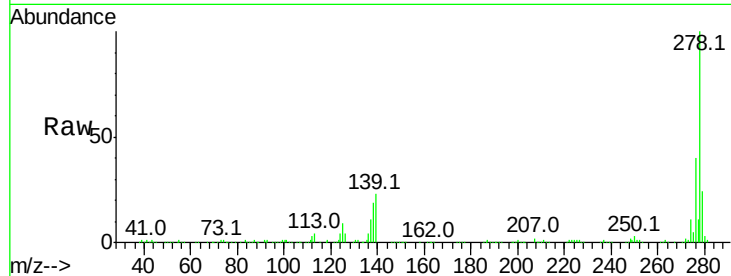
Instrument :
BNA_F
ClientSampleId :
B-26-S1(0-2)MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.7	16.6	24.8
279	24.2	19.3	28.9

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 39.86 ng
RT: 17.89 min Scan# 2721
Delta R.T. -0.02 min
Lab File: BF094321.D
Acq: 10 Apr 2017 19:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.6	28.0
138	30.3	25.4	38.0

