

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
 Data File : BF095384.D
 Acq On : 24 May 2017 12:32
 Operator : SJ/MA
 Sample : PB99217BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB99217BS

Manual Integrations
 APPROVED

mohammad
 5/25/2017 5:59:57 PM

Quant Time: May 25 14:14:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	101447	20.00	ng	-0.01
21) Naphthalene-d8	9.77	136	353142	20.00	ng	-0.02
38) Acenaphthene-d10	12.60	164	188586	20.00	ng	-0.02
63) Phenanthrene-d10	15.01	188	335003	20.00	ng	-0.02
75) Chrysene-d12	18.68	240	224808	20.00	ng	-0.02
86) Perylene-d12	20.36	264	169377	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.72	112	870113	143.00	ng	-0.01
7) Phenol-d6	7.31	99	973026	133.28	ng	0.00
23) Nitrobenzene-d5	8.66	82	571124	101.98	ng	-0.01
41) 2,4,6-Tribromophenol	13.91	330	212506	137.59	ng	-0.01
44) 2-Fluorobiphenyl	11.54	172	1132217	86.41	ng	-0.02
78) Terphenyl-d14	17.33	244	982681	96.28	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.26	88	95313	31.94	ng	98
3) Pyridine	2.98	79	213688	30.90	ng	98
4) n-Nitrosodimethylamine	2.89	42	96576	33.50	ng	# 86
6) Aniline	7.27	93	338324	36.71	ng	94
8) 2-Chlorophenol	7.45	128	315064	45.49	ng	95
9) Benzaldehyde	7.10	77	57766	12.96	ng	97
10) Phenol	7.32	94	318637	41.42	ng	90
11) bis(2-Chloroethyl)ether	7.39	93	276059	43.46	ng	96
12) 1,3-Dichlorobenzene	7.66	146	328342	41.79	ng	98
13) 1,4-Dichlorobenzene	7.78	146	337258	42.33	ng	96
14) 1,2-Dichlorobenzene	8.01	146	316644	42.58	ng	95
15) Benzyl Alcohol	8.05	79	251031	53.46	ng	95
16) 2,2'-oxybis(1-Chloropropan	8.24	45	356631	39.67	ng	94
17) 2-Methylphenol	8.25	107	246503	43.49	ng	# 90
18) Hexachloroethane	8.52	117	106871	39.60	ng	# 85
19) n-Nitroso-di-n-propylamine	8.46	70	207755	42.08	ng	95
20) 3+4-Methylphenols	8.51	107	325241	42.23	ng	# 56
22) Acetophenone	8.43	105	410315	48.43	ng	# 83
24) Nitrobenzene	8.69	77	299370	51.00	ng	92
25) Isophorone	9.09	82	520980	52.10	ng	# 94
26) 2-Nitrophenol	9.20	139	169362	53.47	ng	97
27) 2,4-Dimethylphenol	9.33	122	270056	52.73	ng	98
28) bis(2-Chloroethoxy)methane	9.45	93	337953	48.85	ng	99
29) 2,4-Dichlorophenol	9.62	162	254373	52.61	ng	99
30) 1,2,4-Trichlorobenzene	9.70	180	253559	48.95	ng	99
31) Naphthalene	9.80	128	748731	42.18	ng	100
32) Benzoic acid	9.67	122	144500	43.51	ng	95
33) 4-Chloroaniline	9.97	127	105204	15.91	ng	# 93
34) Hexachlorobutadiene	10.01	225	122502	44.82	ng	98
35) Caprolactam	10.60	113	73247m	50.45	ng	
36) 4-Chloro-3-methylphenol	10.81	107	254108	49.15	ng	91
37) 2-Methylnaphthalene	10.93	142	597442	51.29	ng	98
39) 1,2,4,5-Tetrachlorobenzene	11.21	216	243000	41.90	ng	98
40) Hexachlorocyclopentadiene	11.18	237	151639	63.54	ng	98

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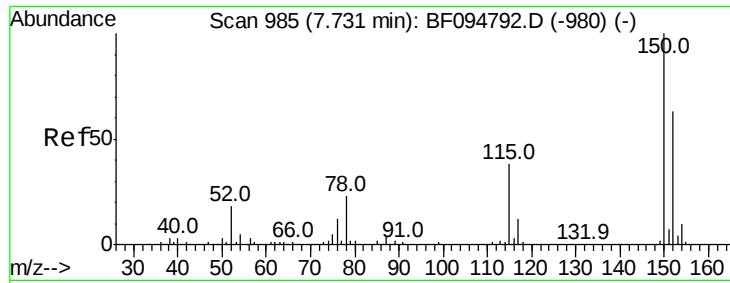
Manual Integrations
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Quant Time: May 25 14:14:49 2017
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	11.43	196	175473	45.32	nq	99
43) 2,4,5-Trichlorophenol	11.53	196	165470	39.76	nq	95
45) 1,1'-Biphenyl	11.69	154	686609	43.24	nq	98
46) 2-Chloronaphthalene	11.71	162	531148	41.43	nq	96
47) 2-Nitroaniline	11.94	65	146076	41.63	nq	# 84
48) Acenaphthylene	12.37	152	876951	43.67	nq	97
49) Dimethylphthalate	12.25	163	619448	40.01	nq	99
50) 2,6-Dinitrotoluene	12.34	165	142683	45.17	nq	95
51) Acenaphthene	12.65	154	501239	41.79	nq	98
52) 3-Nitroaniline	12.62	138	98430	29.04	nq	91
53) 2,4-Dinitrophenol	12.83	184	101581	60.08	nq	# 64
54) Dibenzofuran	12.94	168	787581	47.45	nq	98
55) 4-Nitrophenol	13.02	139	166171	81.61	nq	# 80
56) 2,4-Dinitrotoluene	13.01	165	195431	48.15	nq	# 89
57) Fluorene	13.49	166	627232	43.46	nq	100
58) 2,3,4,6-Tetrachlorophenol	13.19	232	132815	50.71	nq	# 93
59) Diethylphthalate	13.39	149	624547	42.09	nq	99
60) 4-Chlorophenyl-phenylether	13.52	204	269861	42.55	nq	90
61) 4-Nitroaniline	13.62	138	126115	40.52	nq	97
62) Azobenzene	13.78	77	589666	49.45	nq	93
64) 4,6-Dinitro-2-methylphenol	13.69	198	89551	39.88	nq	# 66
65) n-Nitrosodiphenylamine	13.73	169	535534	44.05	nq	99
66) 4-Bromophenyl-phenylether	14.31	248	153936	43.49	nq	96
67) Hexachlorobenzene	14.39	284	157459	43.41	nq	# 89
68) Atrazine	14.65	200	150871	43.95	nq	96
69) Pentachlorophenol	14.75	266	108924	67.41	nq	98
70) Phenanthrene	15.04	178	867983	45.09	nq	98
71) Anthracene	15.13	178	912601	46.42	nq	98
72) Carbazole	15.41	167	813077	45.45	nq	97
73) Di-n-butylphthalate	15.97	149	994944	44.60	nq	99
74) Fluoranthene	16.79	202	895900	45.37	nq	100
76) Benzydine	17.02	184	233706	39.75	nq	# 93
77) Pyrene	17.09	202	890578	52.97	nq	98
79) Butylbenzylphthalate	17.98	149	378761	48.43	nq	88
80) Benzo(a)anthracene	18.67	228	591115	45.18	nq	98
81) 3,3'-Dichlorobenzidine	18.65	252	116078	25.69	nq	# 97
82) Chrysene	18.71	228	571112	45.14	nq	98
83) Bis(2-ethylhexyl)phthalate	18.72	149	484960	43.52	nq	# 99
84) Di-n-octyl phthalate	19.49	149	700277	38.33	nq	95
85) Indeno(1,2,3-cd)pyrene	21.68	276	519638	50.58	nq	99
87) Benzo(b)fluoranthene	19.94	252	425987	40.70	nq	97
88) Benzo(k)fluoranthene	19.97	252	474259	46.98	nq	96
89) Benzo(a)pyrene	20.30	252	441877	45.75	nq	99
90) Dibenzo(a,h)anthracene	21.68	278	427375	53.58	nq	99
91) Benzo(g,h,i)perylene	22.06	276	456853	58.37	nq	98

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



#1

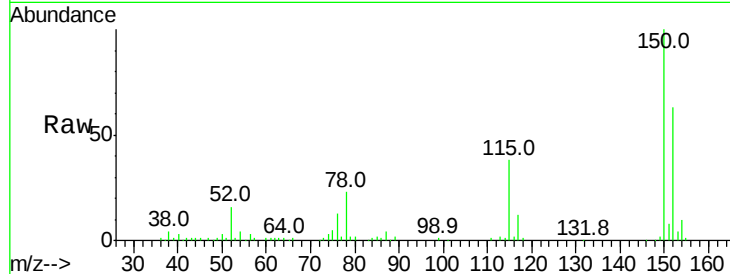
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.75 min Scan# 989
Delta R.T. -0.01 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Instrument :
BNA_F
ClientSampleId :
PB99217BS

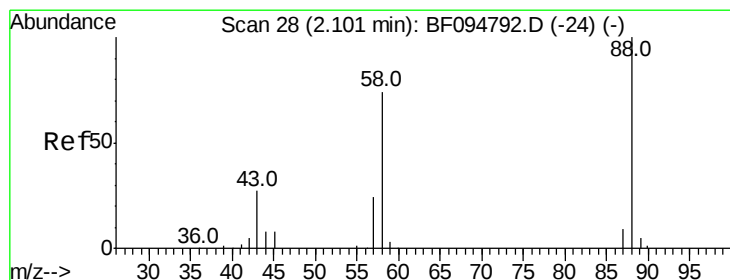
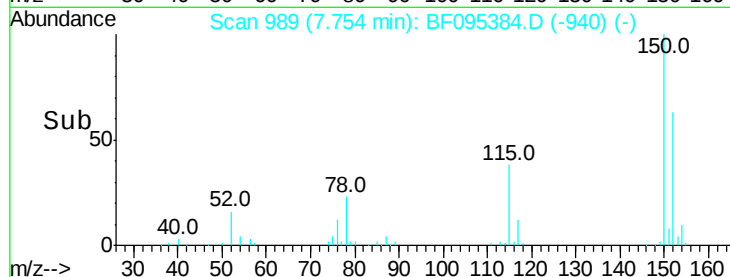
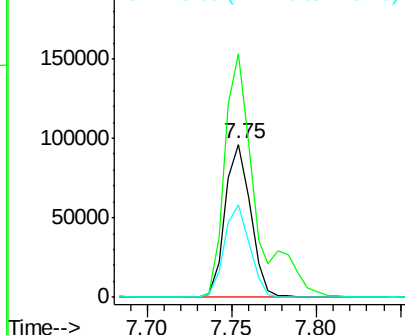
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	126.2	189.2
115	60.8	52.2	78.2

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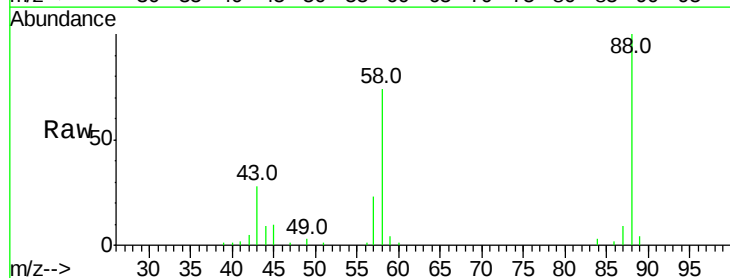
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



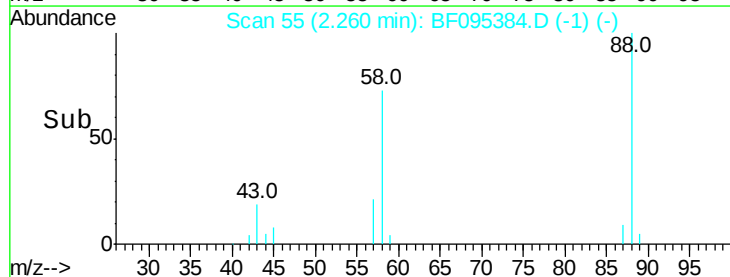
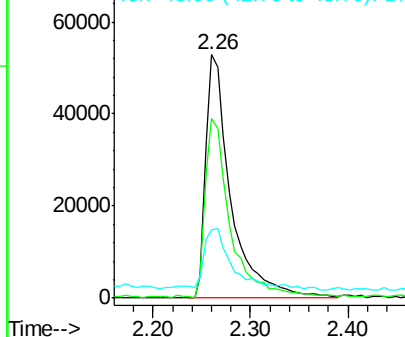
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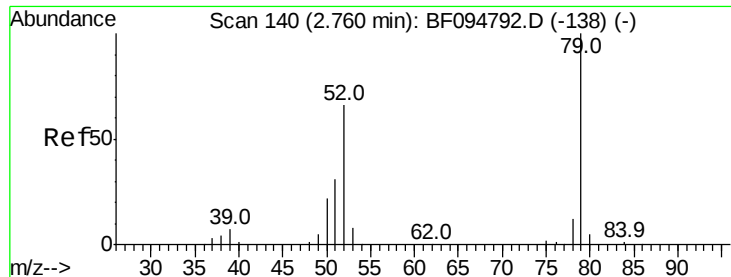
1,4-Dioxane
Concen: 31.94 ng
RT: 2.26 min Scan# 55
Delta R.T. 0.03 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Tgt Ion	Ratio	Lower	Upper
88	100		
58	74.7	61.4	92.0
43	30.6	23.4	35.0



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





#3

Pvridine

Concen: 30.90 ng

RT: 2.98 min Scan# 178

Delta R.T. 0.06 min

Lab File: BF095384.D

Acq: 24 May 2017 12:32

Instrument :

BNA_F

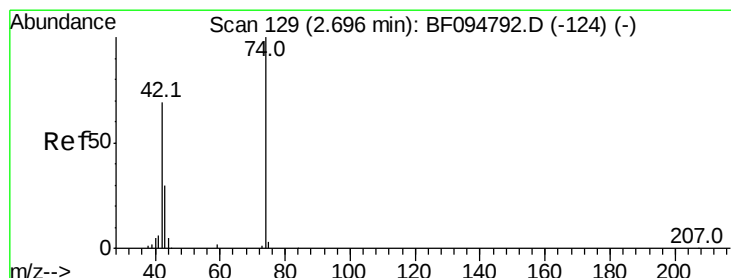
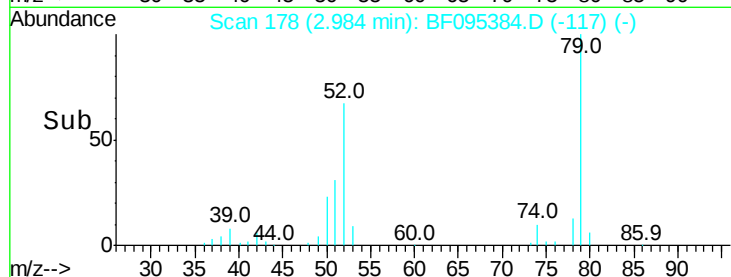
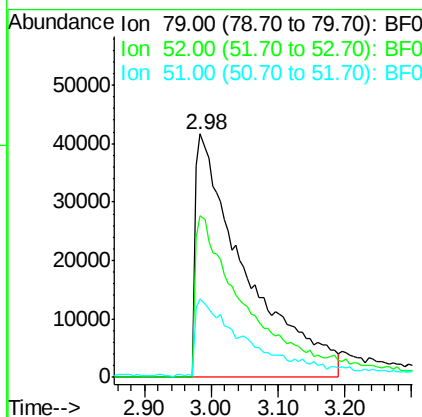
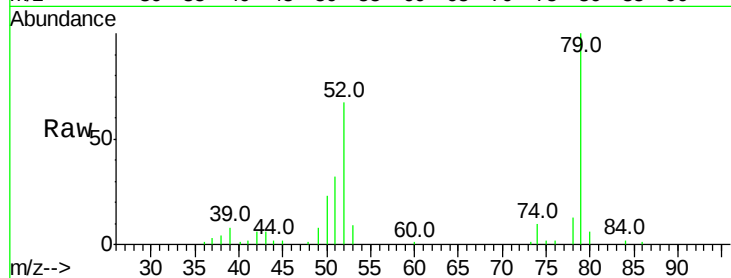
ClientSampleId :

PB99217BS

Tot Ion:	79	Resp:	213688
Ion Ratio	Lower	Upper	
79	100		
52	66.6	54.8	82.2
51	32.2	27.0	40.4

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#4

n-Nitrosodimethylamine

Concen: 33.50 ng

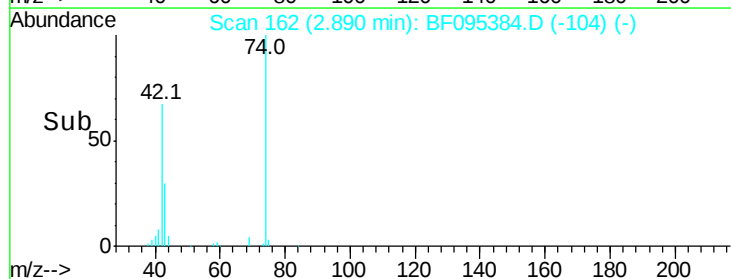
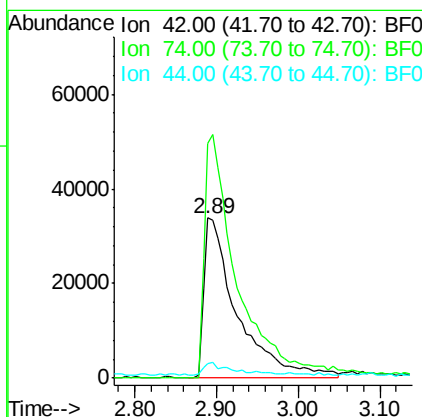
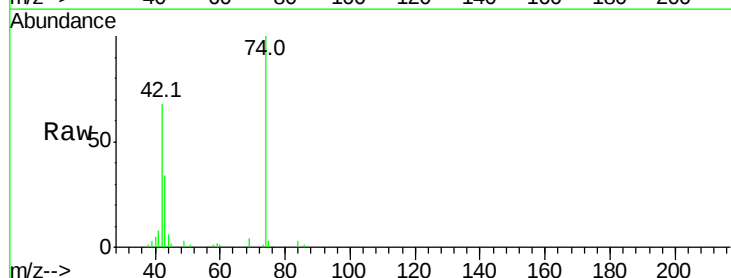
RT: 2.89 min Scan# 162

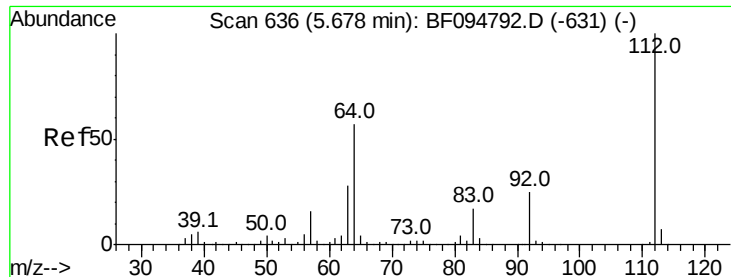
Delta R.T. 0.04 min

Lab File: BF095384.D

Acq: 24 May 2017 12:32

Tgt Ion:	42	Resp:	96576
Ion Ratio	Lower	Upper	
42	100		
74	146.7	103.9	155.9
44	8.9	5.7	8.5#





#5

2-Fluorophenol

Concen: 143.00 ng

RT: 5.72 min Scan# 644

Delta R.T. -0.01 min

Lab File: BF095384.D

Acq: 24 May 2017 12:32

Instrument :

BNA_F

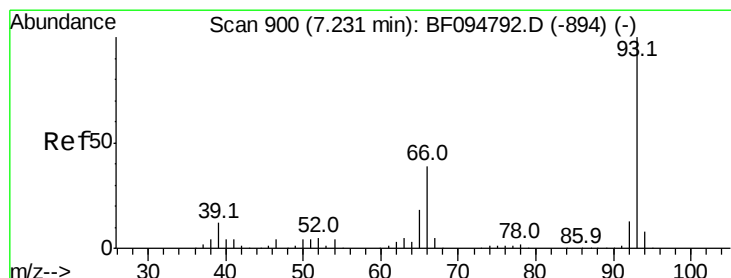
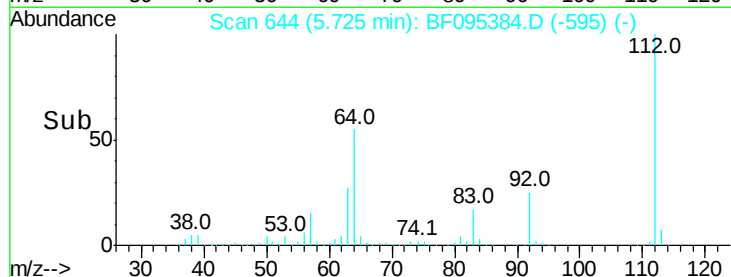
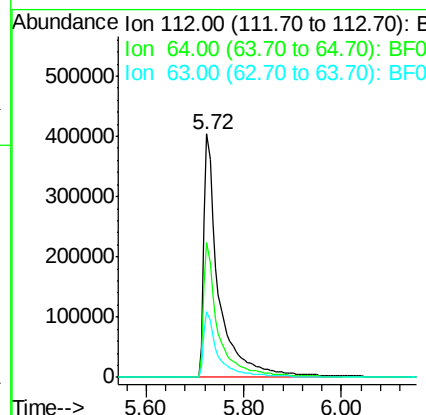
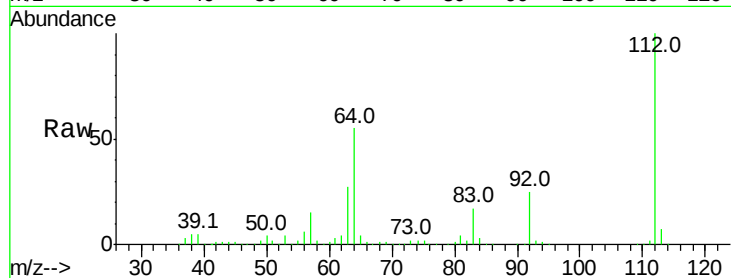
ClientSampled :

PB99217BS

Tot Ion:	112	Resp:	870113
Ion Ratio	Lower	Upper	
112	100		
64	55.1	46.0	69.0
63	26.8	23.4	35.0

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#6

Aniline

Concen: 36.71 ng

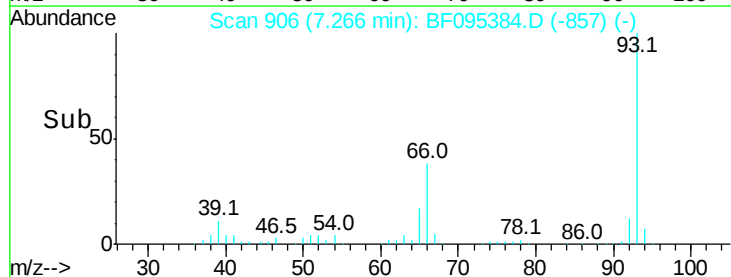
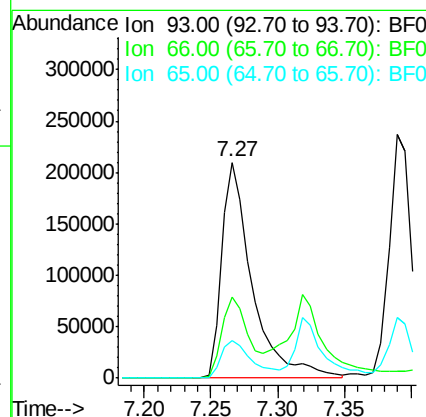
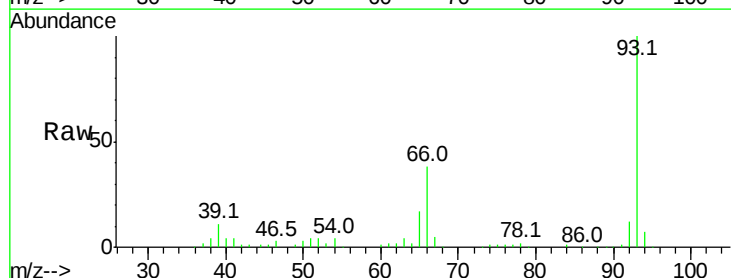
RT: 7.27 min Scan# 906

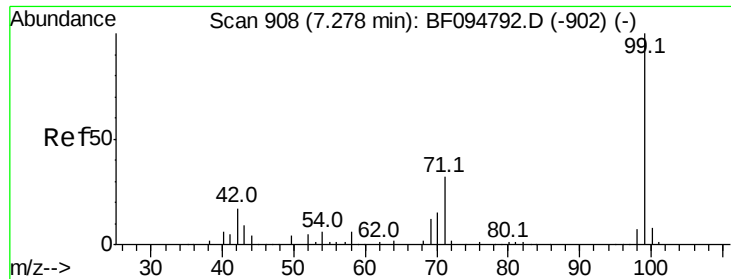
Delta R.T. -0.01 min

Lab File: BF095384.D

Acq: 24 May 2017 12:32

Tgt Ion:	93	Resp:	338324
Ion Ratio	Lower	Upper	
93	100		
66	37.7	32.9	49.3
65	17.1	16.0	24.0





#7

Phenol-d6

Concen: 133.28 ng

RT: 7.31 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF095384.D

Acq: 24 May 2017 12:32

Instrument :

BNA_F

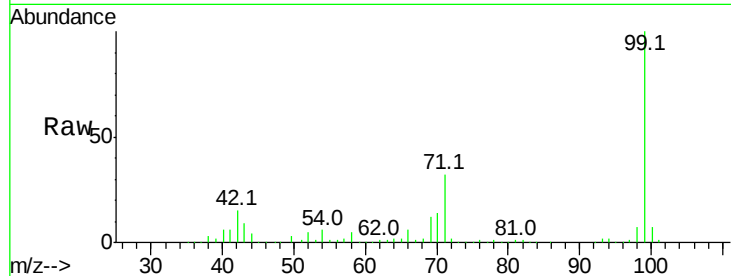
ClientSampleId :

PB99217BS

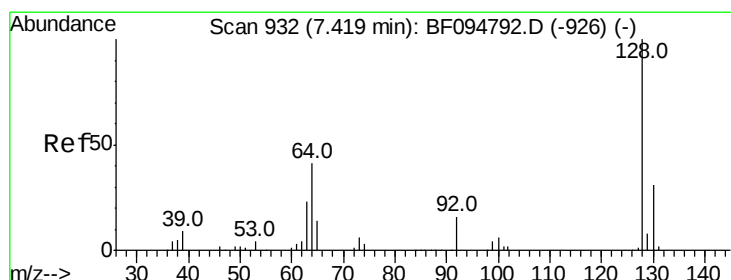
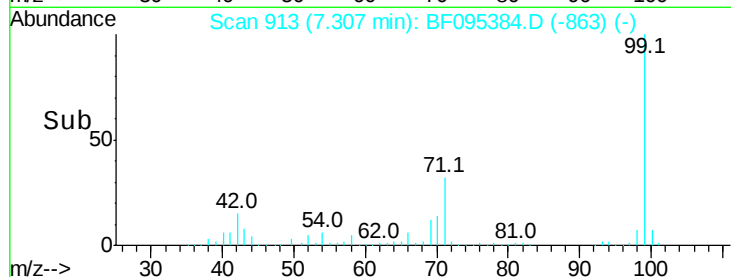
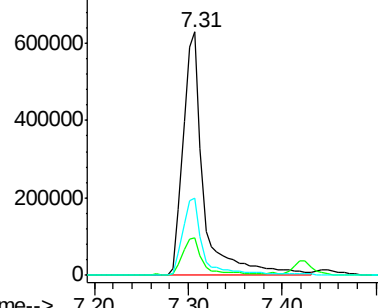
Tot Ion:	99	Resp:	973026
Ion Ratio	Lower	Upper	
99	100		
42	15.5	13.5	20.3
71	31.6	24.5	36.7

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



#8

2-Chlorophenol

Concen: 45.49 ng

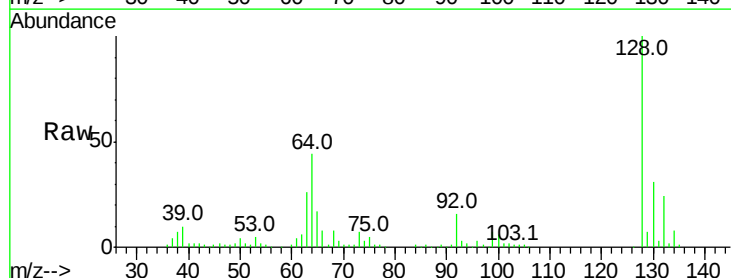
RT: 7.45 min Scan# 937

Delta R.T. -0.01 min

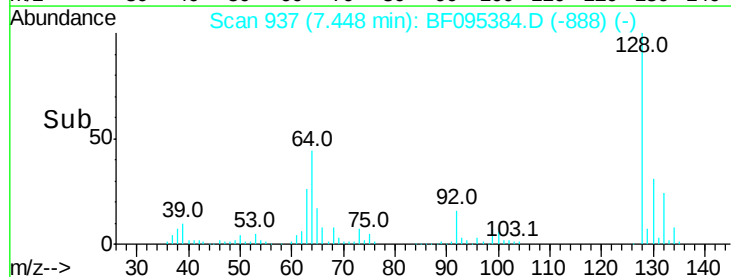
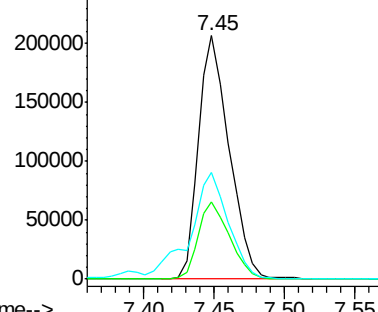
Lab File: BF095384.D

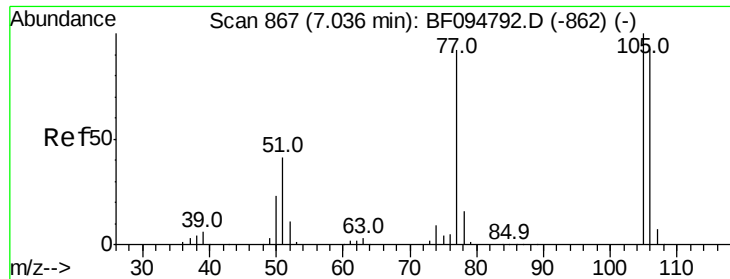
Acq: 24 May 2017 12:32

Tgt Ion:	128	Resp:	315064
Ion Ratio	Lower	Upper	
128	100		
130	31.5	12.9	52.9
64	44.1	28.4	68.4



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





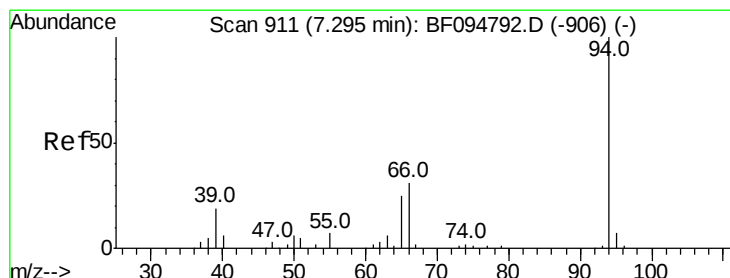
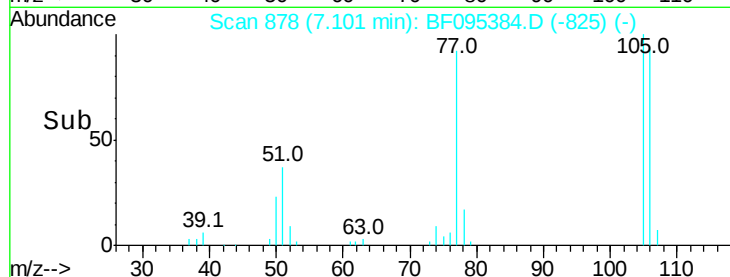
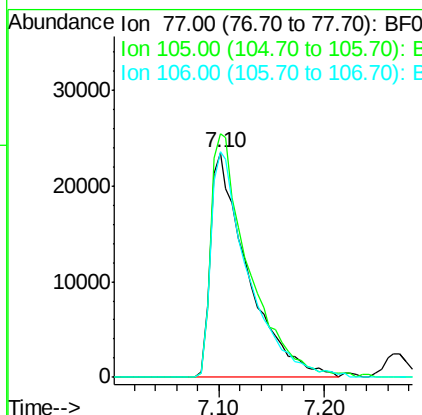
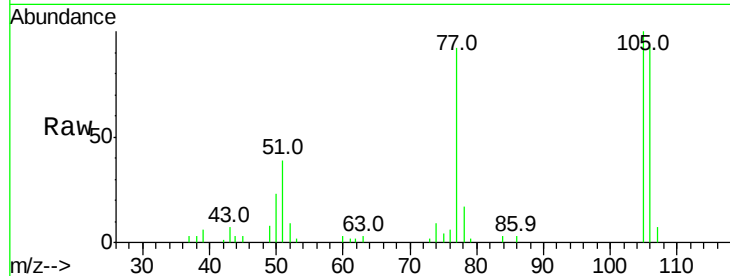
#9
Benzaldehyde
Concen: 12.96 ng
RT: 7.10 min Scan# 878
Delta R.T. 0.01 min
Lab File: BF095384.D
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Instrument :
BNA_F
ClientSampleId :
PB99217BS

Tot Ion	Ratio	Lower	Upper
77	100		
105	108.2	83.8	123.8
106	100.6	79.1	119.1

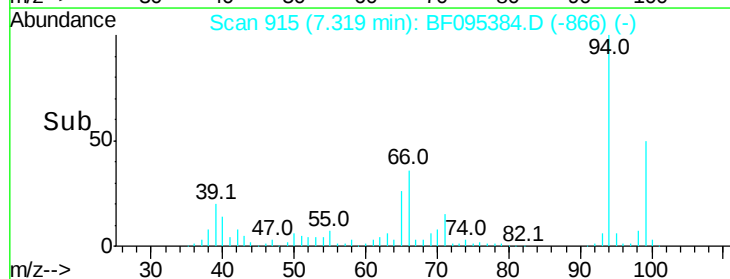
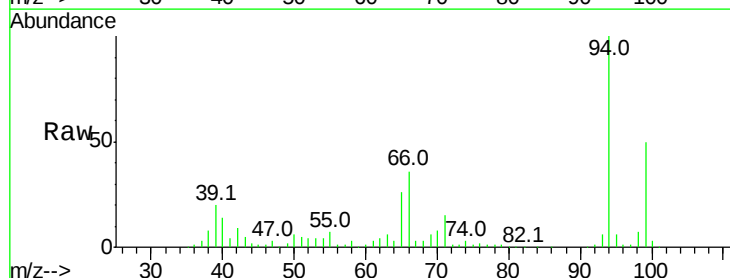
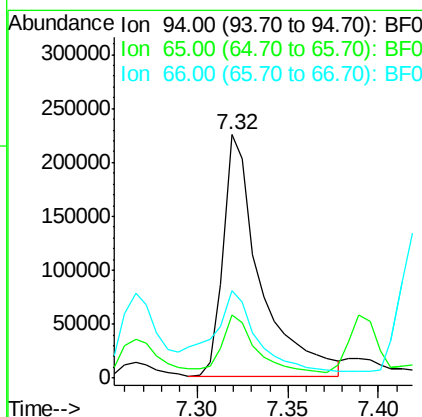
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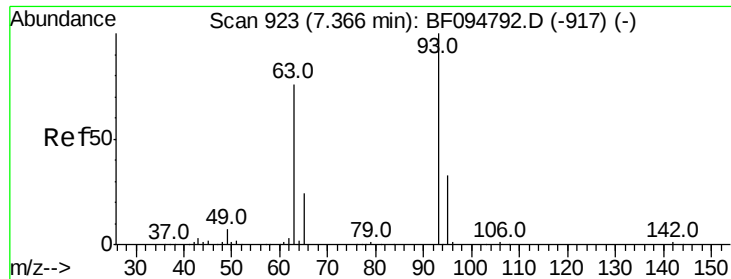
mohammad
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#10
Phenol
Concen: 41.42 ng
RT: 7.32 min Scan# 915
Delta R.T. -0.01 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Tgt Ion	Ratio	Lower	Upper
94	100		
65	25.9	9.9	49.9
66	35.9	23.1	63.1





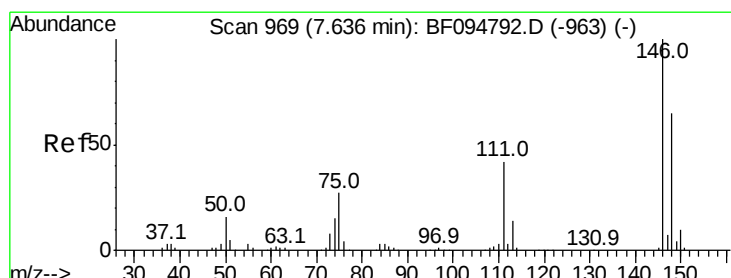
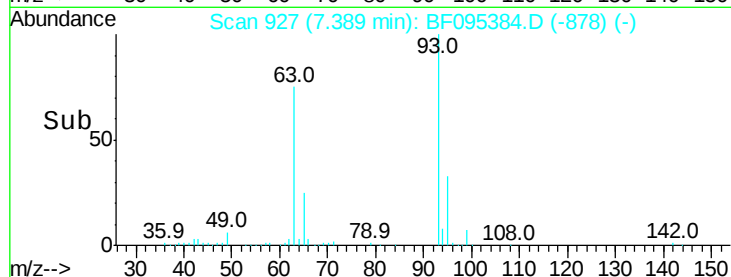
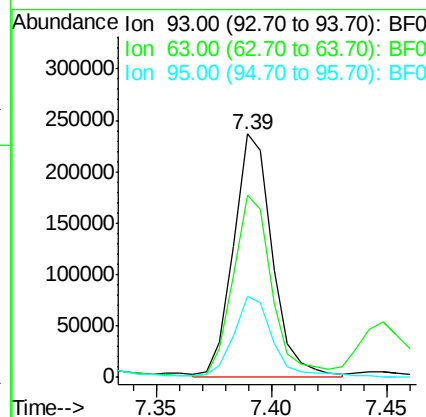
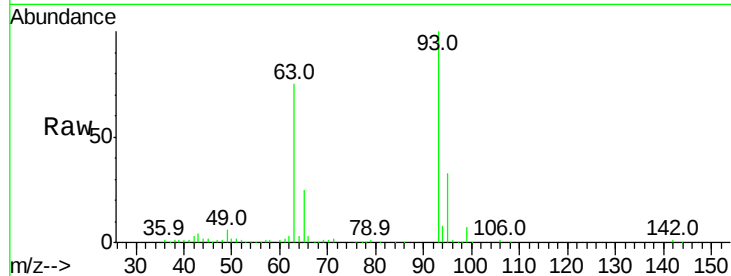
#11
bis(2-Chloroethyl)ether
Concen: 43.46 ng
RT: 7.39 min Scan# 927
Delta R.T. -0.01 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Instrument :
BNA_F
ClientSampleId :
PB99217BS

Tot Ion	Ratio	Lower	Upper
93	100		
63	75.0	59.2	99.2
95	33.4	12.8	52.8

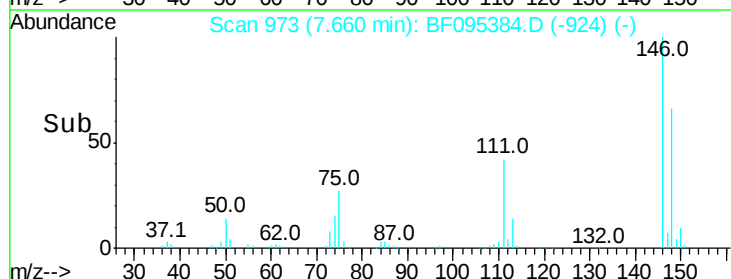
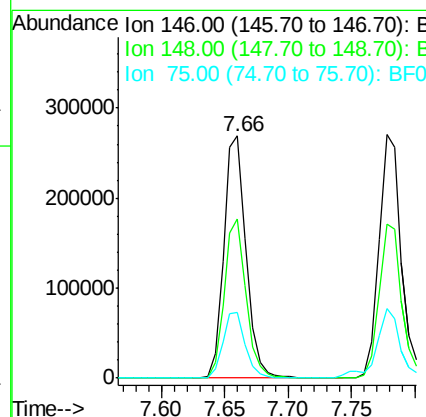
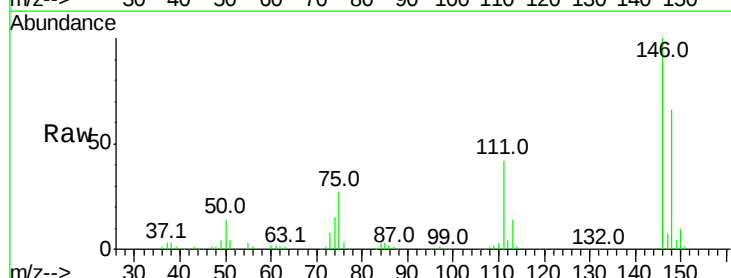
Manual Integrations
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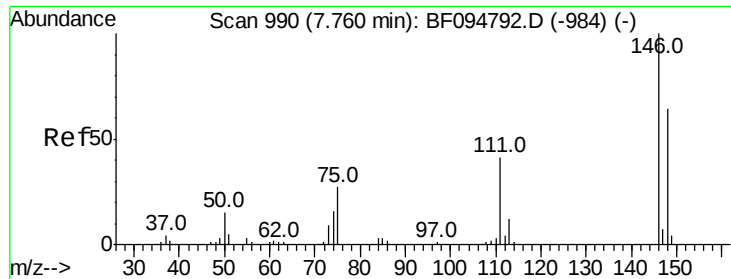
mohammad
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#12
1,3-Dichlorobenzene
Concen: 41.79 ng
RT: 7.66 min Scan# 973
Delta R.T. -0.01 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.7	51.8	77.6
75	26.9	23.1	34.7





#13

1,4-Dichlorobenzene

Concen: 42.33 ng

RT: 7.78 min Scan# 993

Delta R.T. -0.02 min

Lab File: BF095384.D

Acq: 24 May 2017 12:32

Instrument :

BNA_F

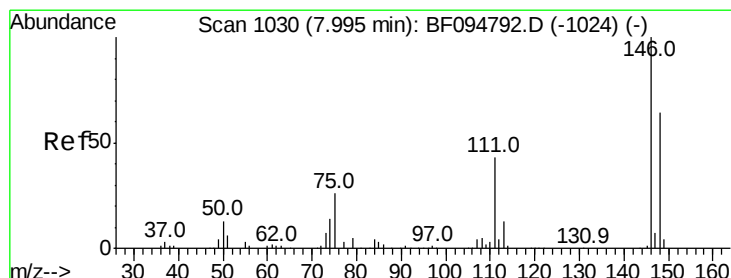
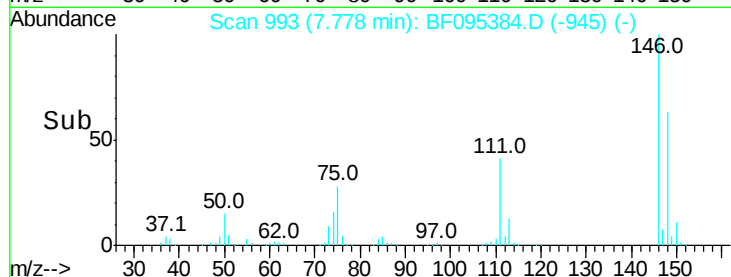
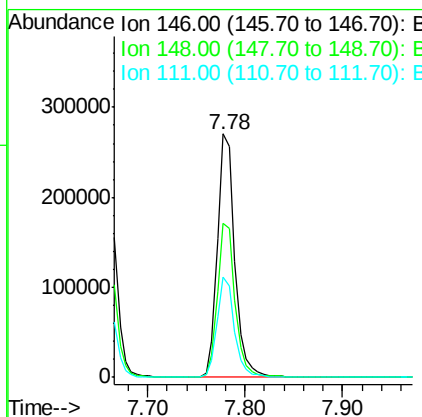
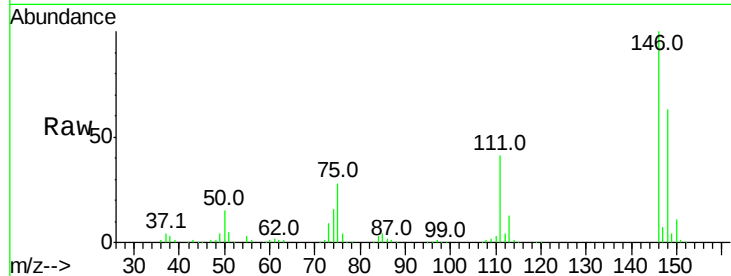
ClientSampleId :

PB99217BS

Tot Ion:	146	Resp:	337258
Ion Ratio	Lower	Upper	
146	100		
148	63.2	52.2	78.2
111	41.1	30.3	45.5

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#14

1,2-Dichlorobenzene

Concen: 42.58 ng

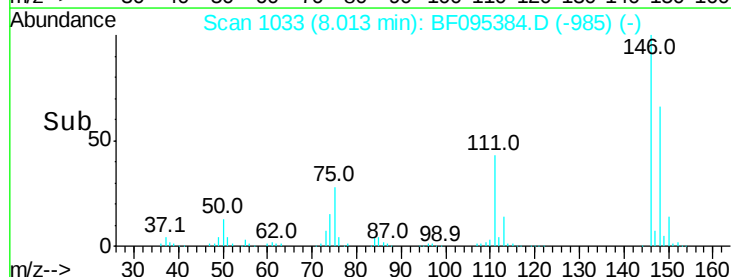
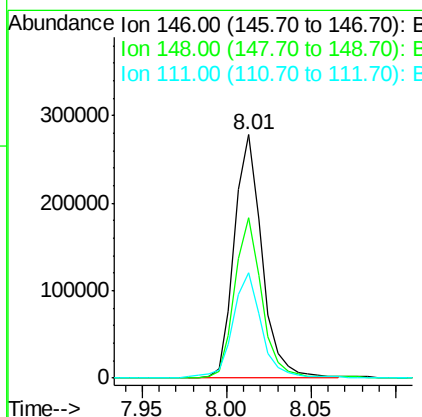
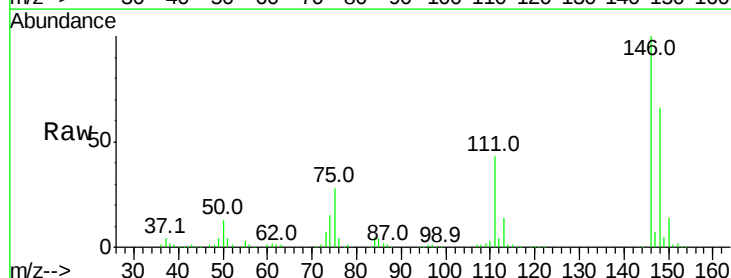
RT: 8.01 min Scan# 1033

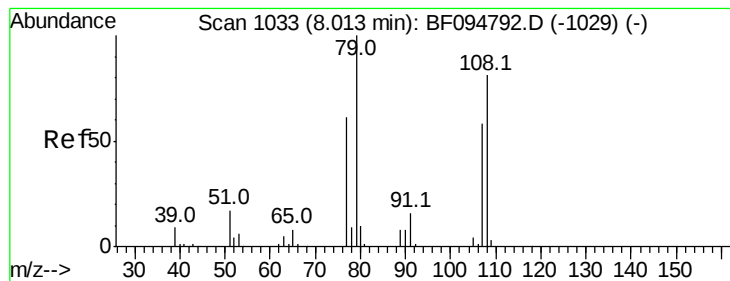
Delta R.T. -0.02 min

Lab File: BF095384.D

Acq: 24 May 2017 12:32

Tgt Ion:	146	Resp:	316644
Ion Ratio	Lower	Upper	
146	100		
148	65.7	50.4	75.6
111	43.4	38.2	57.4





#15

Benzyl Alcohol

Concen: 53.46 ng

RT: 8.05 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF095384.D

Acq: 24 May 2017 12:32

Instrument :

BNA_F

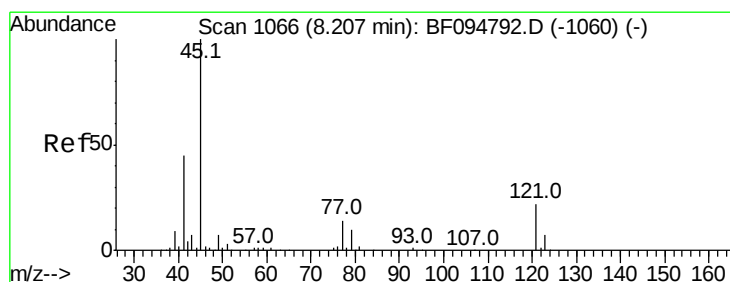
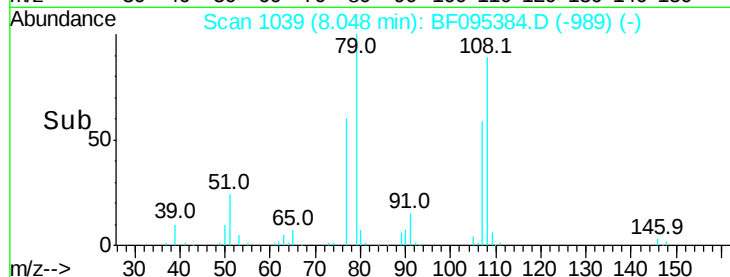
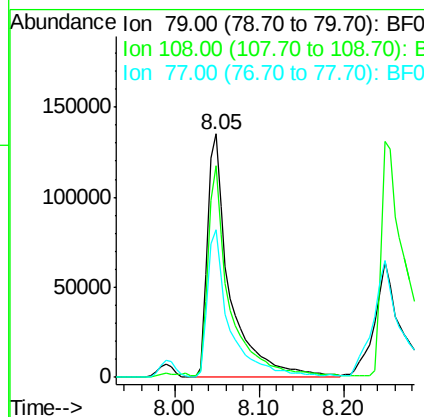
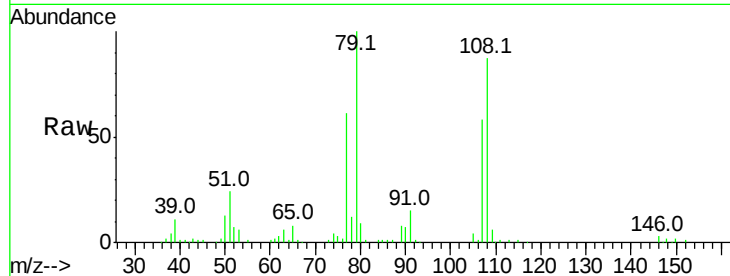
ClientSampleId :

PB99217BS

Tot Ion	Ratio	Lower	Upper
79	100		
108	87.0	63.4	95.0
77	60.7	49.2	73.8

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#16

2,2'-oxybis(1-chloropropane)

Concen: 39.67 ng

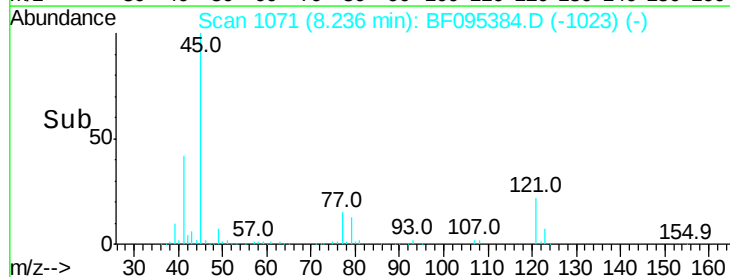
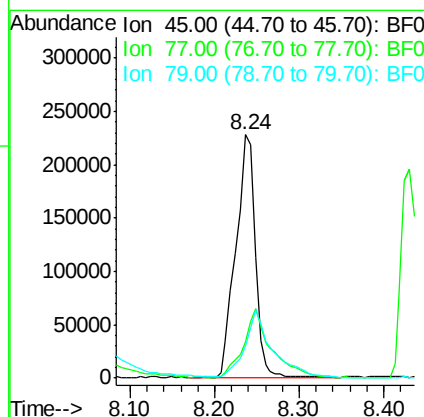
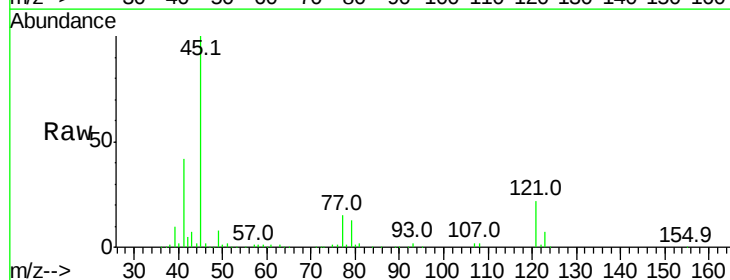
RT: 8.24 min Scan# 1071

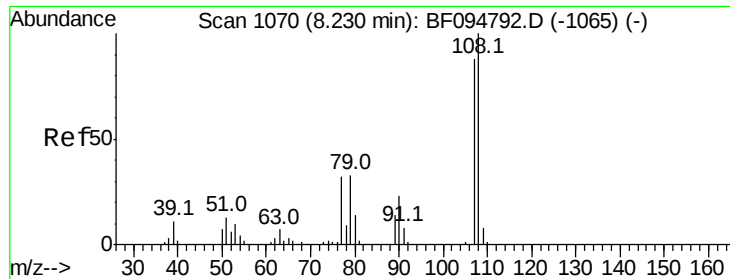
Delta R.T. -0.02 min

Lab File: BF095384.D

Acq: 24 May 2017 12:32

Tgt Ion	Ratio	Lower	Upper
45	100		
77	14.8	0.0	33.2
79	13.2	0.0	30.0





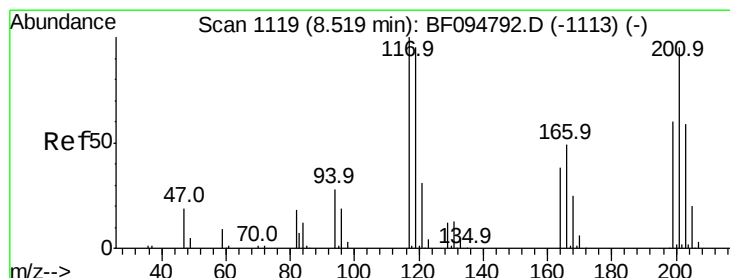
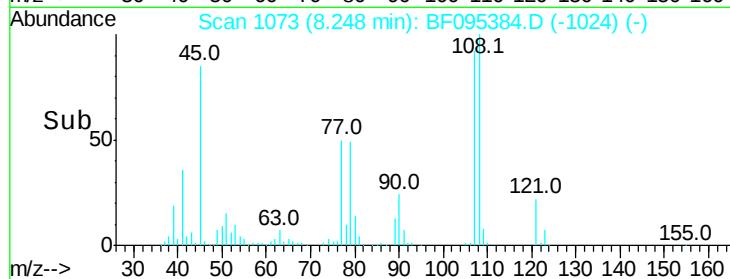
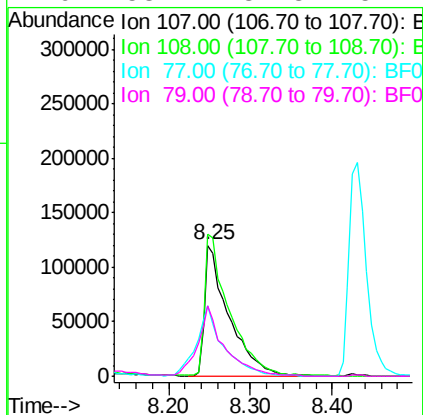
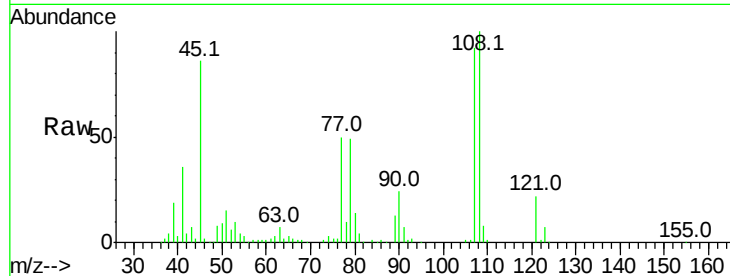
#17
2-Methylphenol
Concen: 43.49 ng
RT: 8.25 min Scan# 1073
Delta R.T. -0.01 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Instrument :
BNA_F
ClientSampleId :
PB99217BS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	109.3	93.4	140.0	
77	54.4	35.8	53.6#	
79	53.7	34.8	52.2#	

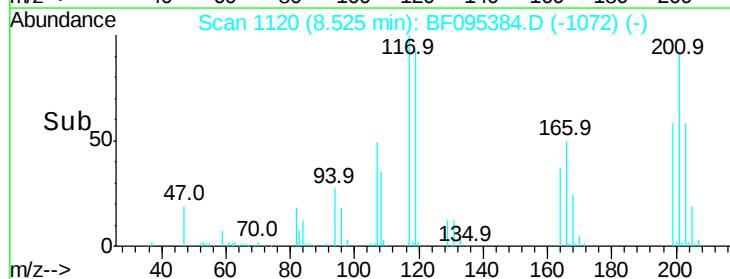
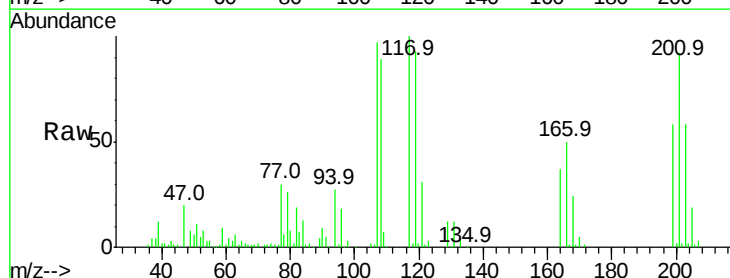
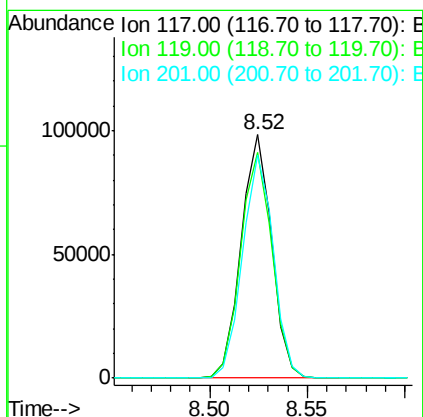
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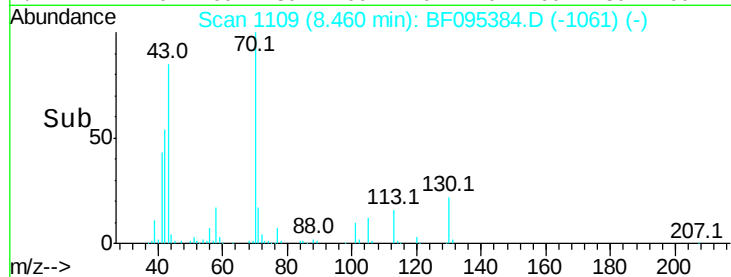
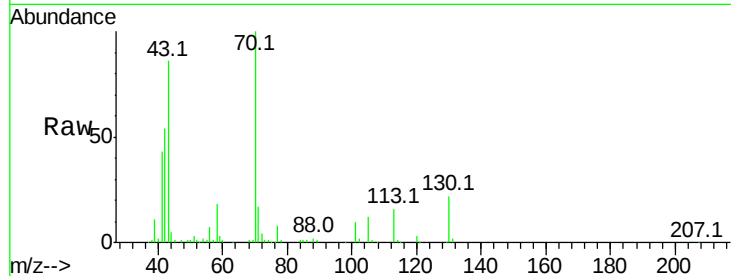
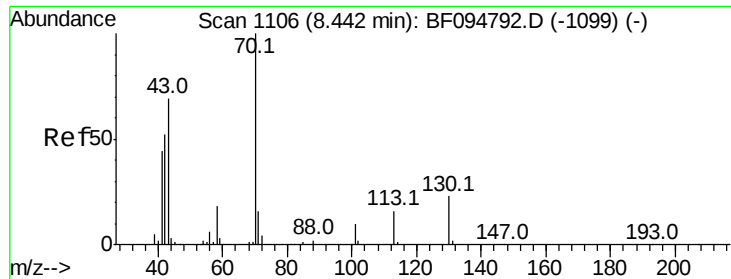
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#18
Hexachloroethane
Concen: 39.60 ng
RT: 8.52 min Scan# 1120
Delta R.T. -0.02 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	92.7	77.4	116.0	
201	91.8	94.6	141.8#	





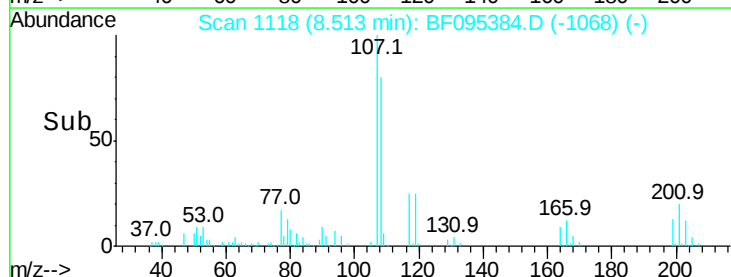
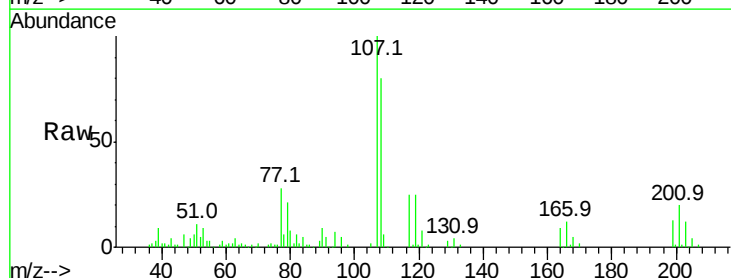
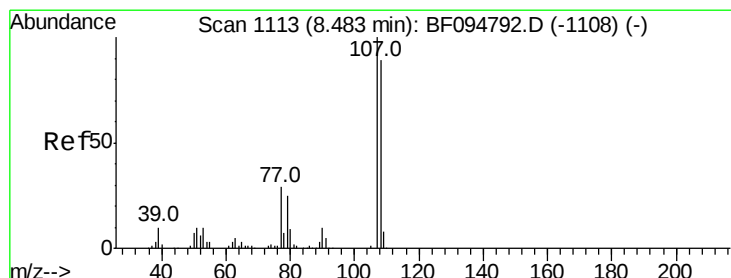
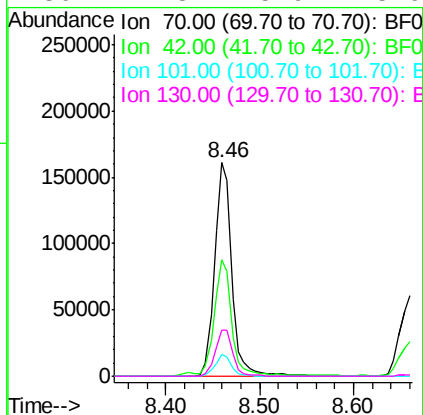
#19
n-Nitroso-di-n-propylamine
Concen: 42.08 ng
RT: 8.46 min Scan# 1109
Delta R.T. -0.02 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Instrument :
BNA_F
ClientSampleId :
PB99217BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		207755		
42	54.3	47.2	70.8		
101	10.3	7.2	10.8		
130	21.8	15.9	23.9		

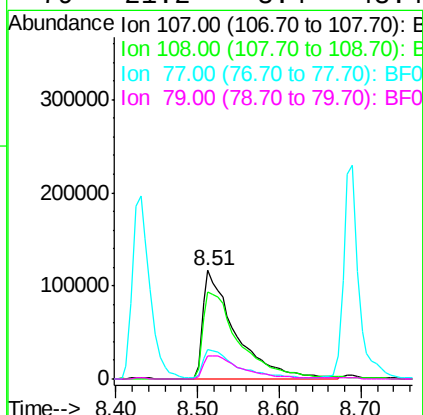
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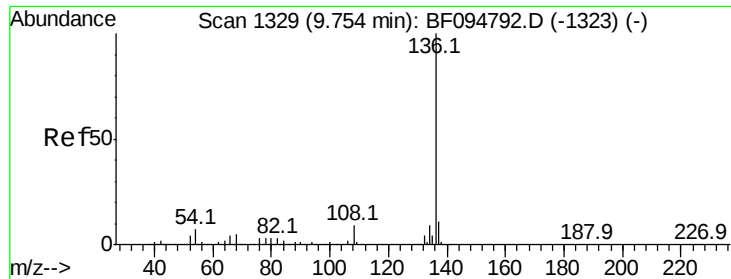
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#20
3+4-Methylphenols
Concen: 42.23 ng
RT: 8.51 min Scan# 1118
Delta R.T. -0.01 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		325241		
108	80.0	71.0	111.0		
77	27.6	90.5	130.5#		
79	21.2	8.4	48.4		





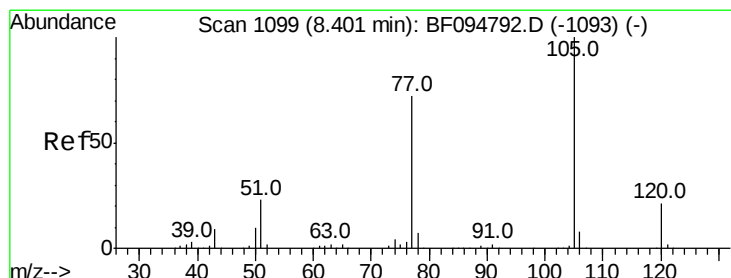
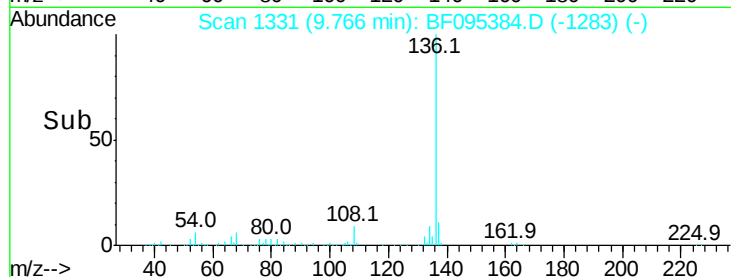
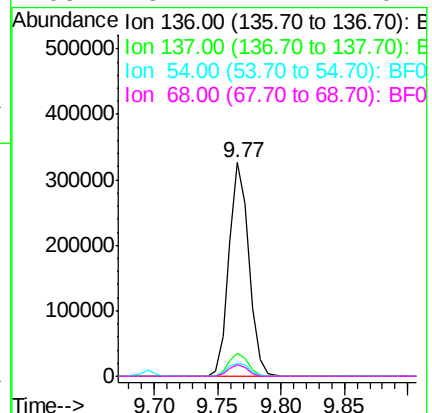
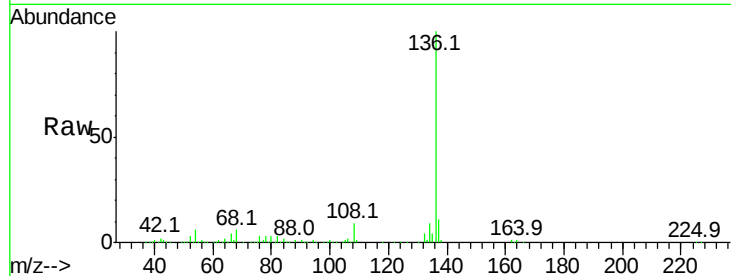
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.77 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Instrument :
BNA_F
ClientSampleId :
PB99217BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.6	8.5	12.7	
54	6.1	4.9	7.3	
68	5.7	4.1	6.1	

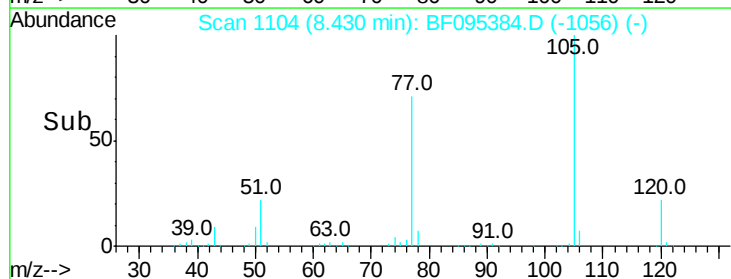
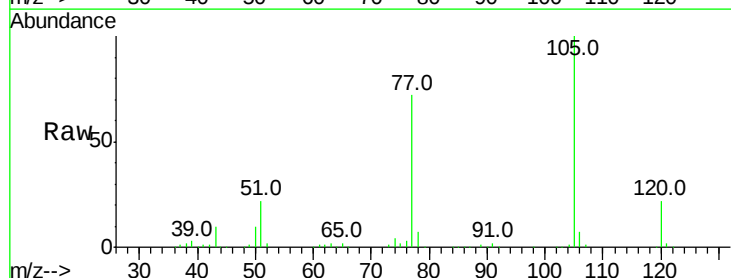
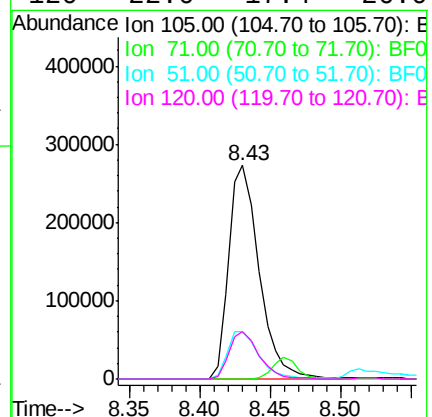
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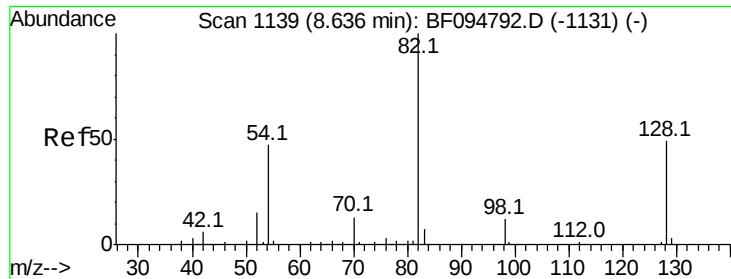
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#22
Acetophenone
Concen: 48.43 ng
RT: 8.43 min Scan# 1104
Delta R.T. -0.02 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	0.0	2.8	4.2#	
51	22.0	30.7	46.1#	
120	22.0	17.4	26.0	





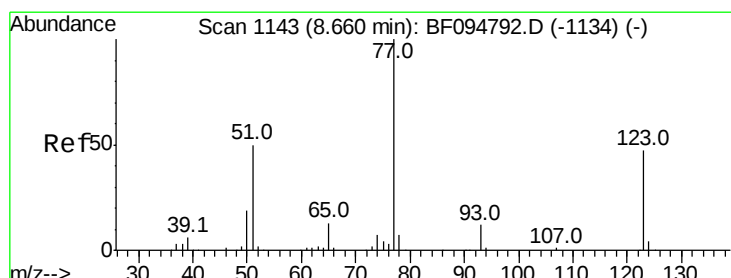
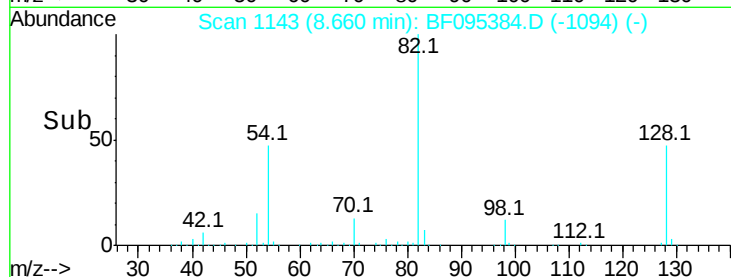
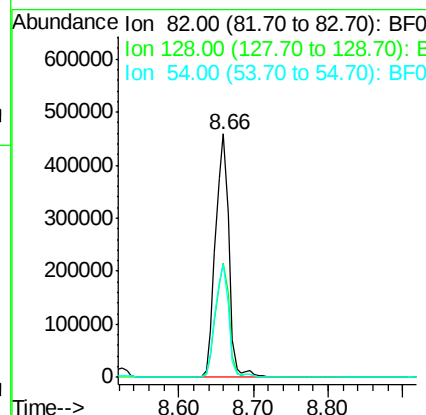
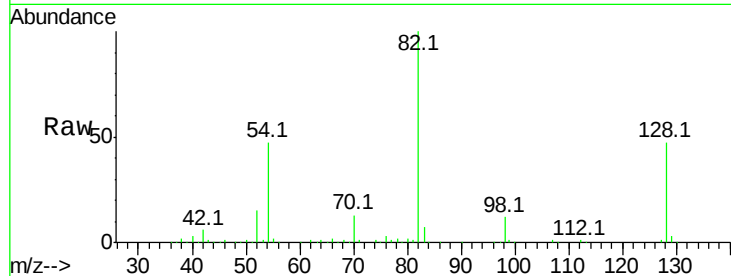
#23
 Nitrobenzene-d5
 Concen: 101.98 ng
 RT: 8.66 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: BF095384.D
 Acq: 24 May 2017 12:32

Instrument :
 BNA_F
 ClientSampleId :
 PB99217BS

Tot Ion	Ratio	Resp	Lower	Upper
82	100	571124		
128	46.9	34.0	51.0	
54	46.5	42.2	63.2	

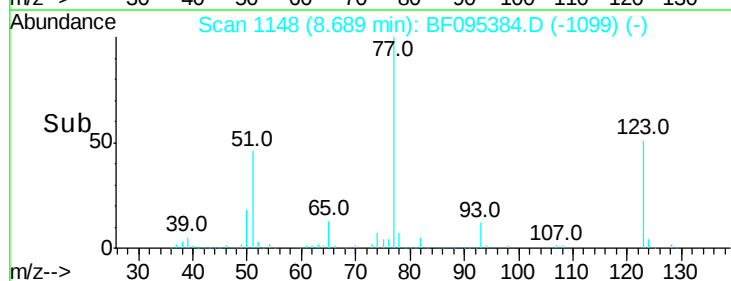
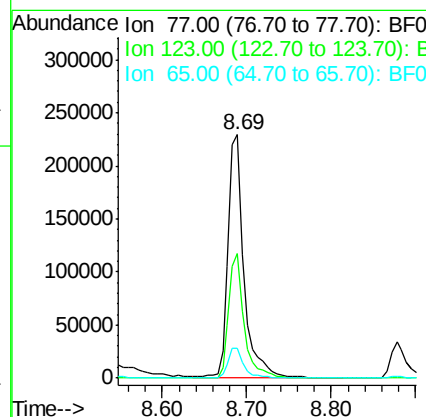
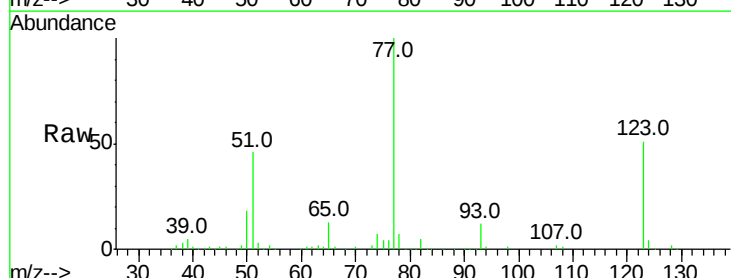
Manual Integrations
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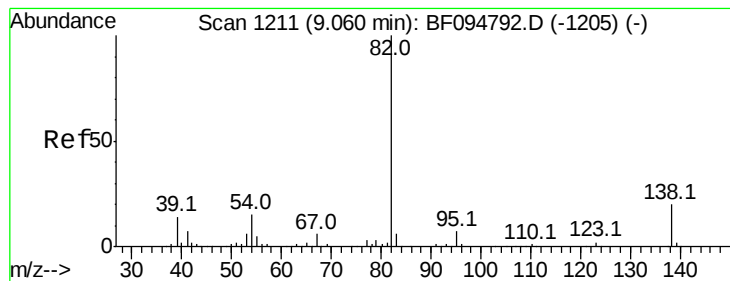
mohammad
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#24
 Nitrobenzene
 Concen: 51.00 ng
 RT: 8.69 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BF095384.D
 Acq: 24 May 2017 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	299370		
123	51.0	35.8	53.8	
65	12.5	10.6	15.8	





#25

Isophorone

Concen: 52.10 ng

RT: 9.09 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF095384.D

Acq: 24 May 2017 12:32

Instrument :

BNA_F

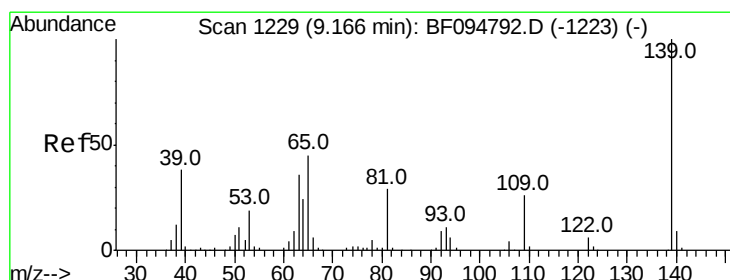
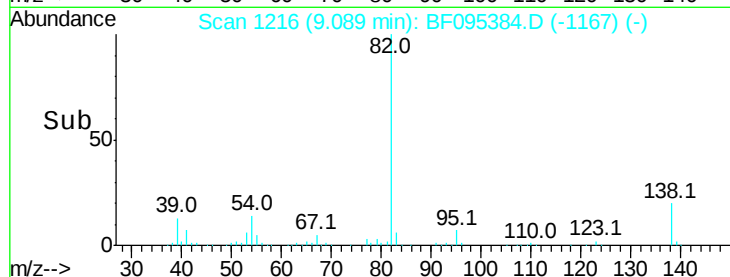
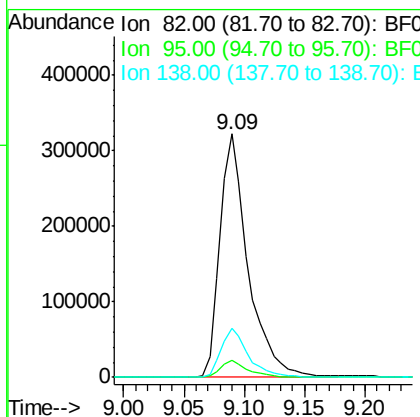
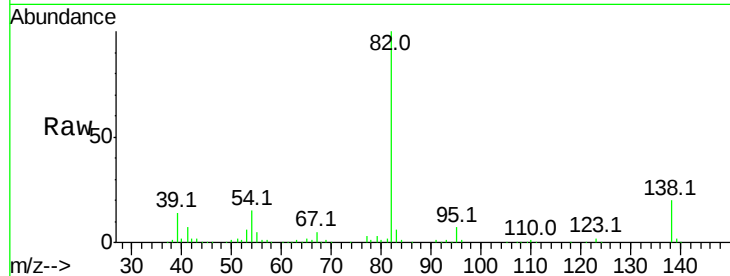
ClientSampleId :

PB99217BS

Tot Ion	Ratio	Resp	Lower	Upper
82	100	520980		
95	6.8		5.3	7.9
138	20.1		13.1	19.7

Manual Integrations
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#26

2-Nitrophenol

Concen: 53.47 ng

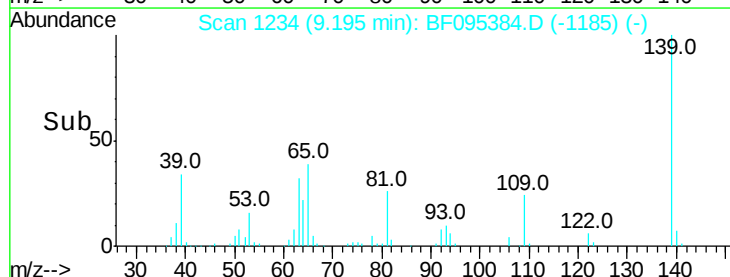
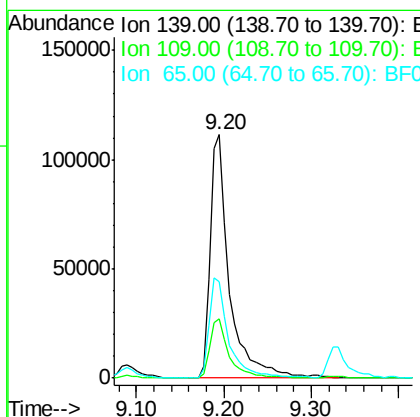
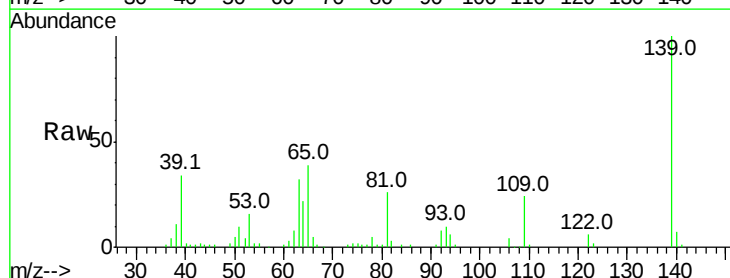
RT: 9.20 min Scan# 1234

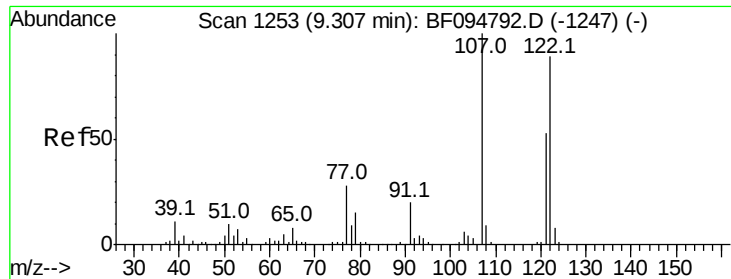
Delta R.T. -0.01 min

Lab File: BF095384.D

Acq: 24 May 2017 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	169362		
109	24.4		21.0	31.6
65	39.3		33.0	49.6





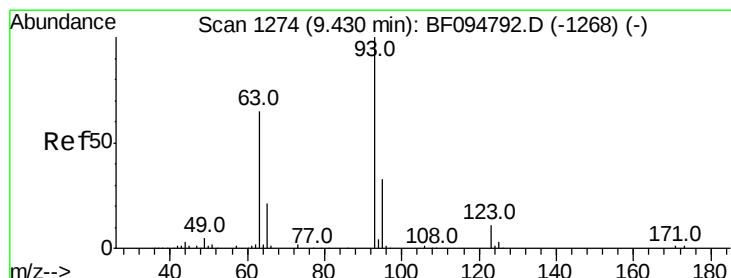
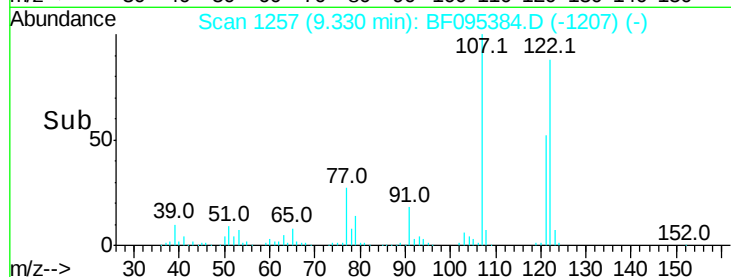
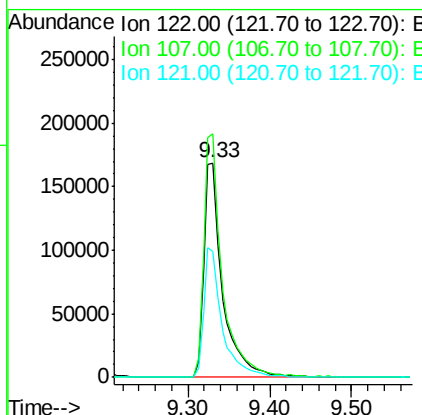
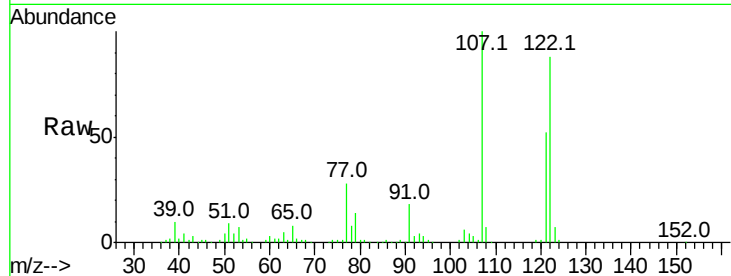
#27
 2,4-Dimethylphenol
 Concen: 52.73 ng
 RT: 9.33 min Scan# 1257
 Delta R.T. -0.01 min
 Lab File: BF095384.D
 Acq: 24 May 2017 12:32

Instrument :
 BNA_F
 ClientSampleId :
 PB99217BS

Tot Ion	Ratio	Lower	Upper
122	100		
107	113.4	89.2	133.8
121	58.9	45.2	67.8

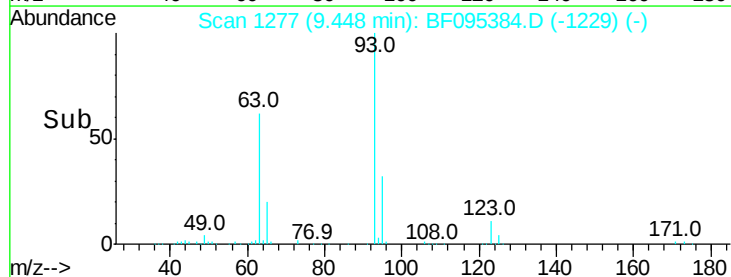
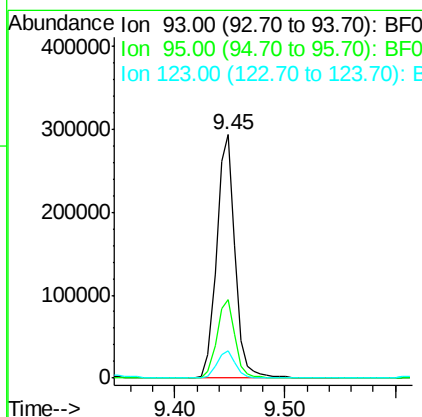
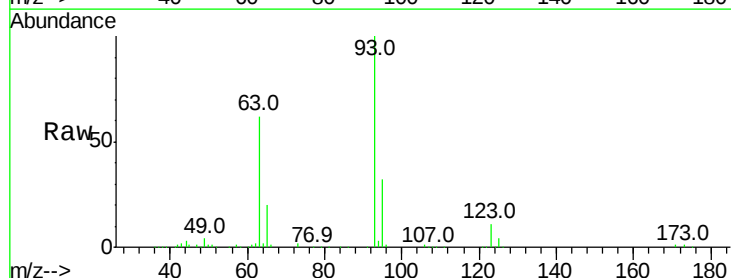
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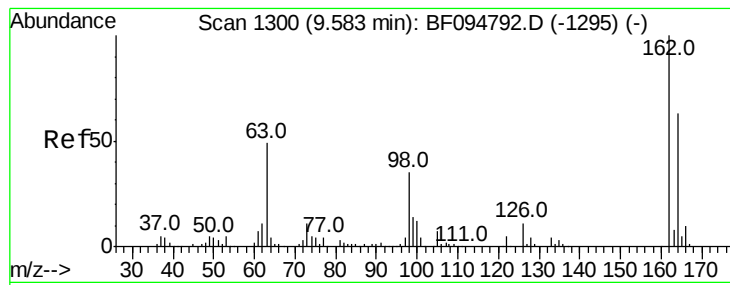
mohammad
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#28
 bis(2-Chloroethoxy)methane
 Concen: 48.85 ng
 RT: 9.45 min Scan# 1277
 Delta R.T. -0.02 min
 Lab File: BF095384.D
 Acq: 24 May 2017 12:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.5	39.7
123	11.3	9.0	13.4





#29

2,4-Dichlorophenol

Concen: 52.61 ng

RT: 9.62 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BF095384.D

Acq: 24 May 2017 12:32

Instrument :

BNA_F

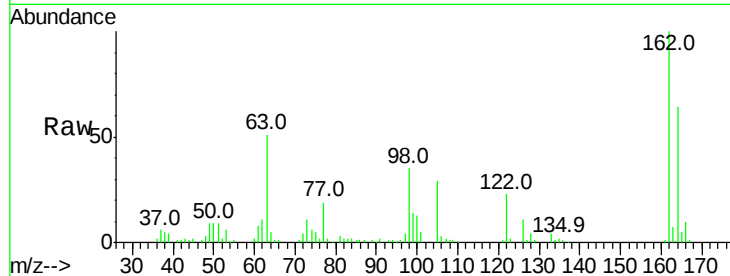
ClientSampleId :

PB99217BS

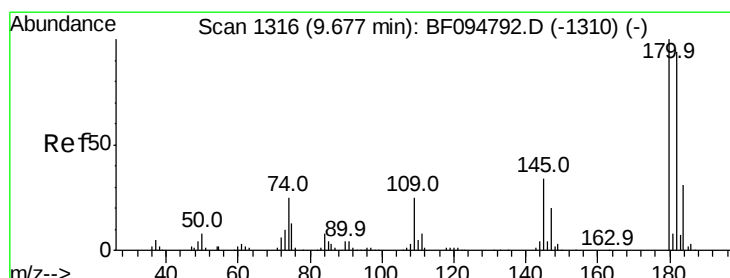
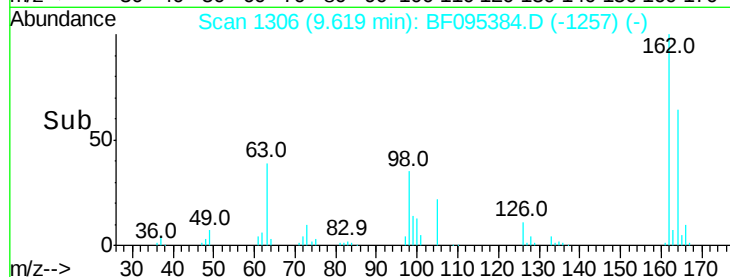
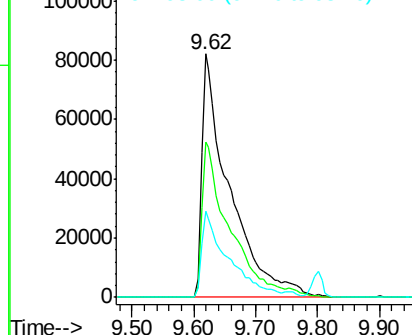
Tot Ion:	162	Resp:	254373
Ion Ratio	Lower	Upper	
162	100		
164	64.0	44.6	84.6
98	35.2	14.8	54.8

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Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 48.95 ng

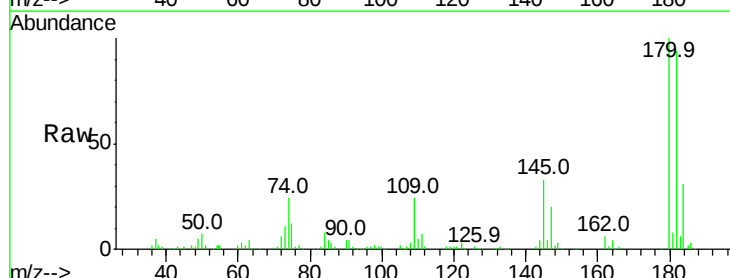
RT: 9.70 min Scan# 1319

Delta R.T. -0.02 min

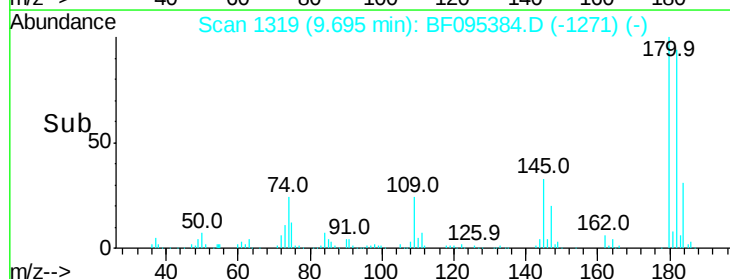
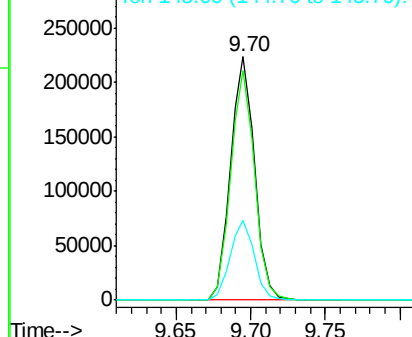
Lab File: BF095384.D

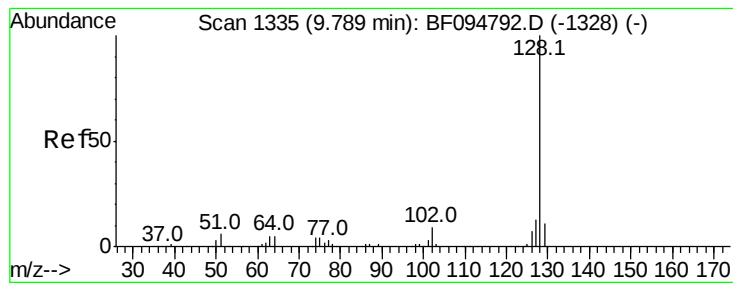
Acq: 24 May 2017 12:32

Tgt Ion:	180	Resp:	253559
Ion Ratio	Lower	Upper	
180	100		
182	94.0	75.8	113.6
145	32.5	25.3	37.9



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 42.18 ng

RT: 9.80 min Scan# 1337

Delta R.T. -0.02 min

Lab File: BF095384.D

Acq: 24 May 2017 12:32

Instrument :

BNA_F

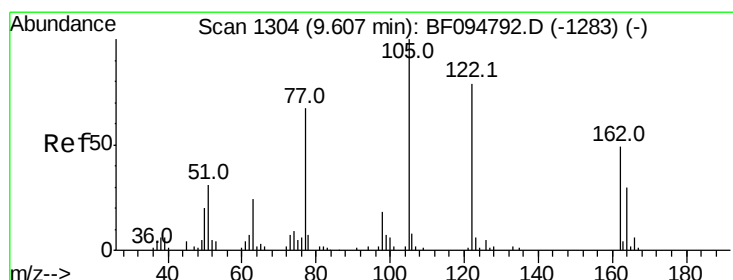
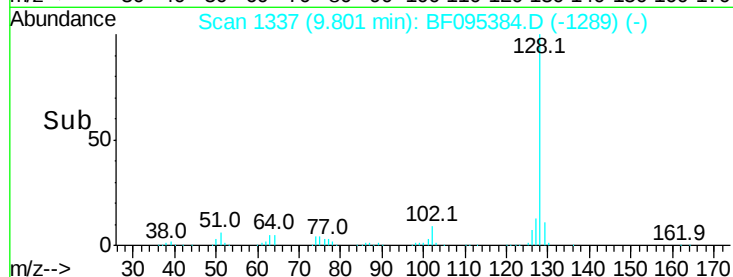
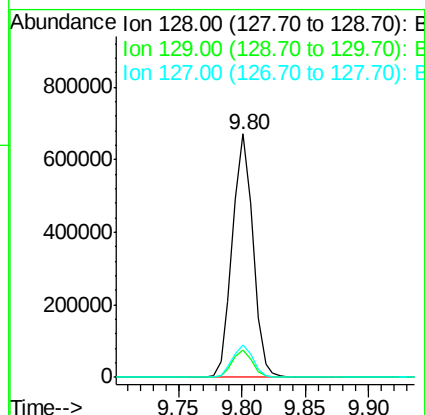
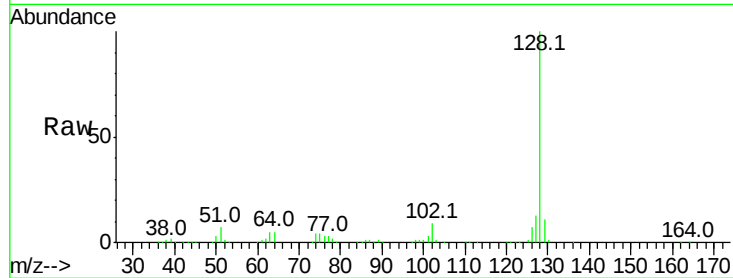
ClientSampleId :

PB99217BS

Tot Ion:128	Resp:	748731
Ion Ratio	Lower	Upper
128	100	
129	11.1	9.0 13.6
127	13.4	10.8 16.2

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#32

Benzoic acid

Concen: 43.51 ng

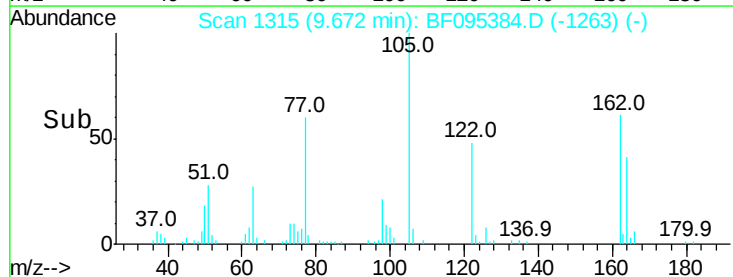
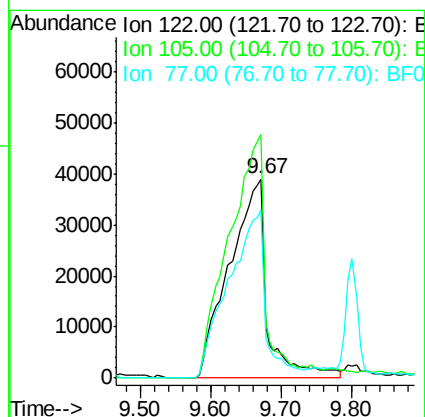
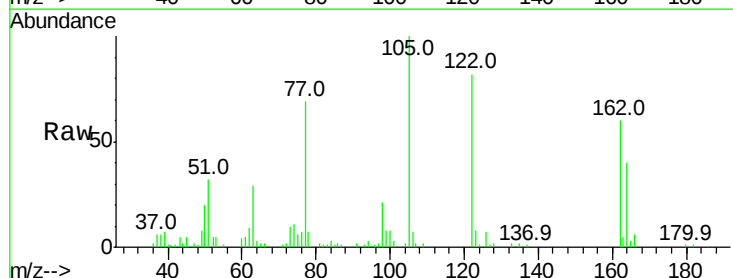
RT: 9.67 min Scan# 1315

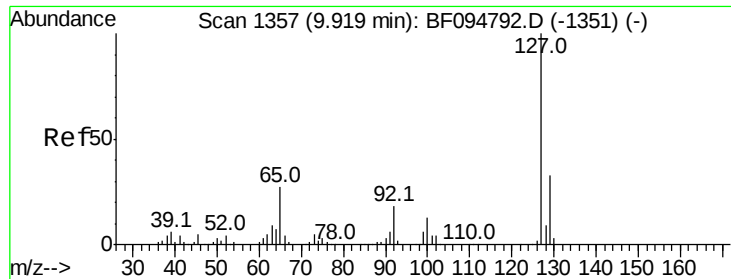
Delta R.T. 0.01 min

Lab File: BF095384.D

Acq: 24 May 2017 12:32

Tgt Ion:122	Resp:	144500
Ion Ratio	Lower	Upper
122	100	
105	122.4	103.3 143.3
77	84.3	73.7 113.7





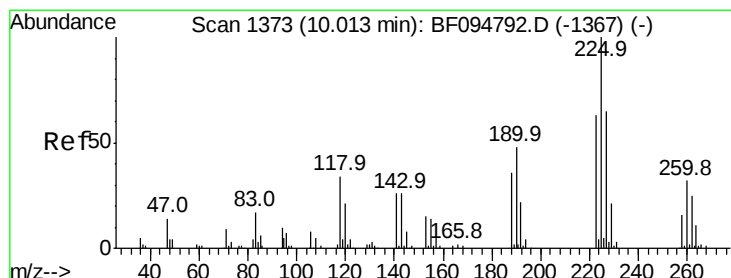
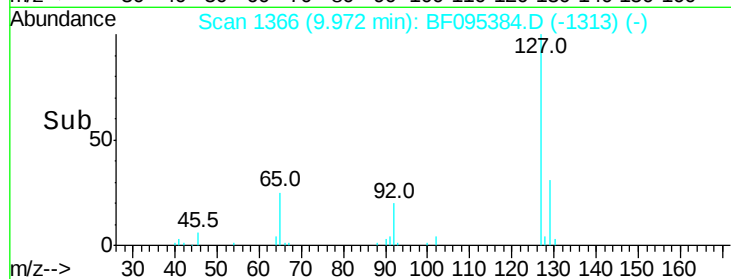
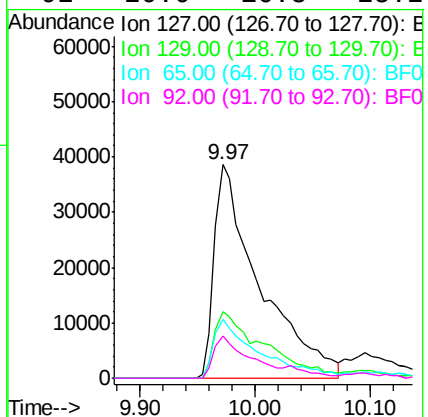
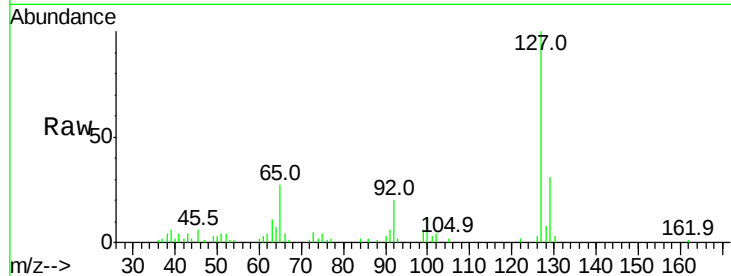
#33
4-Chloroaniline
Concen: 15.91 ng
RT: 9.97 min Scan# 1366
Delta R.T. 0.01 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Instrument :
BNA_F
ClientSampleId :
PB99217BS

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	31.2	26.2	39.2	
65	27.3	27.8	41.8	
92	20.0	16.8	25.2	

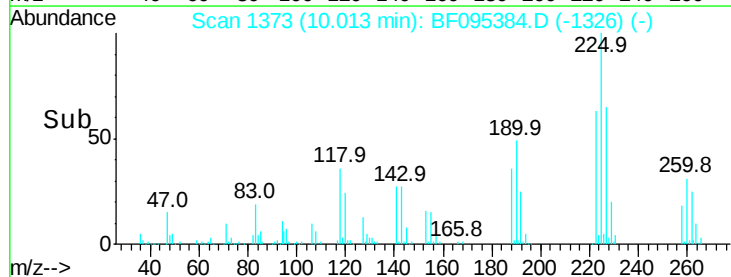
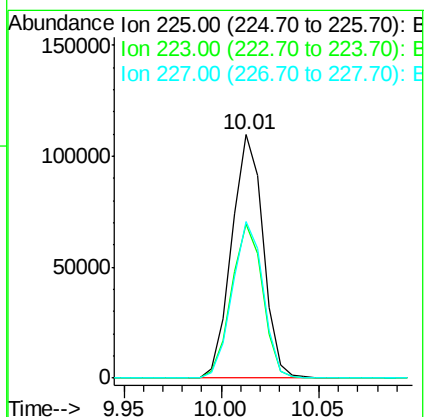
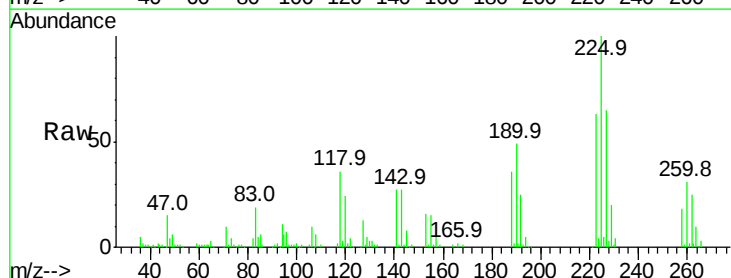
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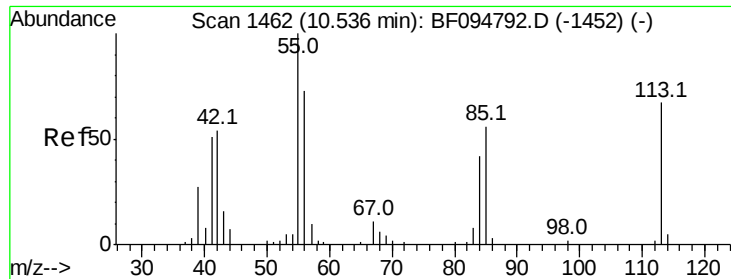
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#34
Hexachlorobutadiene
Concen: 44.82 ng
RT: 10.01 min Scan# 1373
Delta R.T. -0.02 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.3	48.8	73.2	
227	64.6	51.1	76.7	





#35

Caprolactam

Concen: 50.45 ng/mL

RT: 10.60 min Scan# 1473

Delta R.T. 0.01 min

Lab File: BF095384.D

Acq: 24 May 2017 12:32

Instrument :

BNA_F

ClientSampleID :

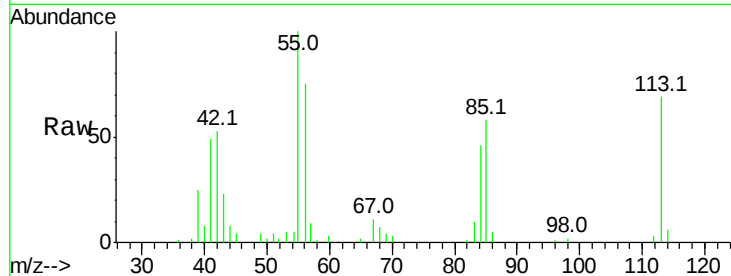
PB99217BS

Tot Ion:113 Resp: 73247

Ion	Ratio	Lower	Upper
113	100		
55	145.6	150.2	190.2#
56	109.2	107.8	147.8

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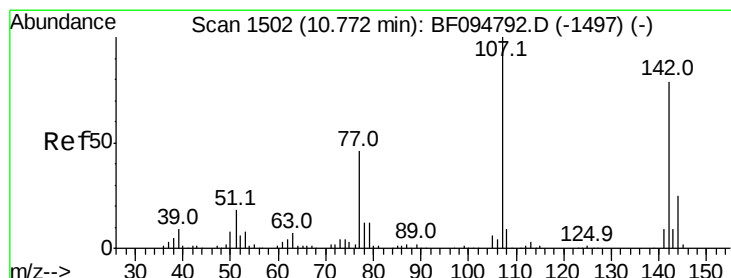
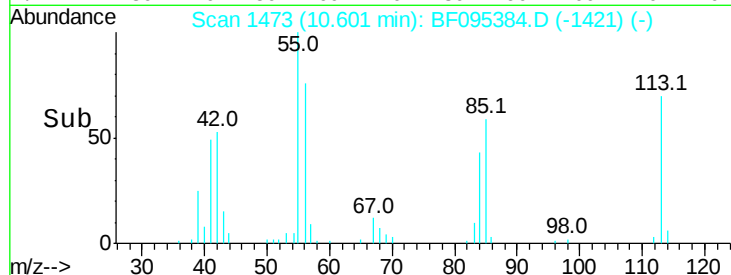
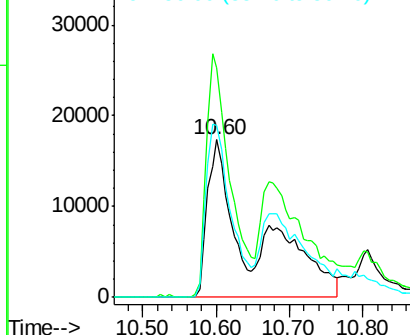
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 49.15 ng/mL

RT: 10.81 min Scan# 1508

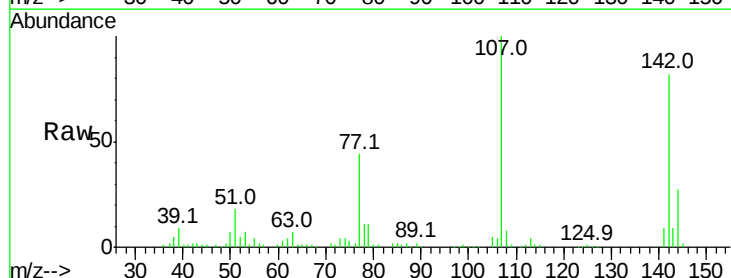
Delta R.T. -0.01 min

Lab File: BF095384.D

Acq: 24 May 2017 12:32

Tgt Ion:107 Resp: 254108

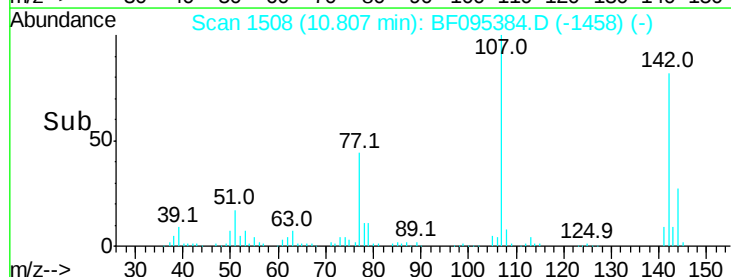
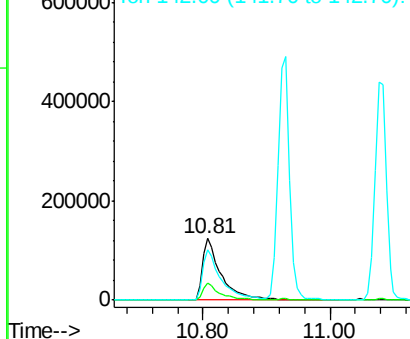
Ion	Ratio	Lower	Upper
107	100		
144	27.5	24.2	36.4
142	81.8	73.4	110.0

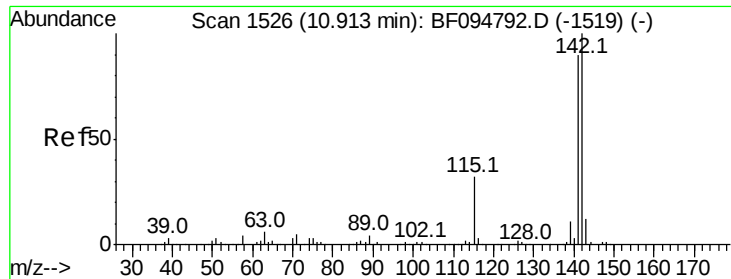


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





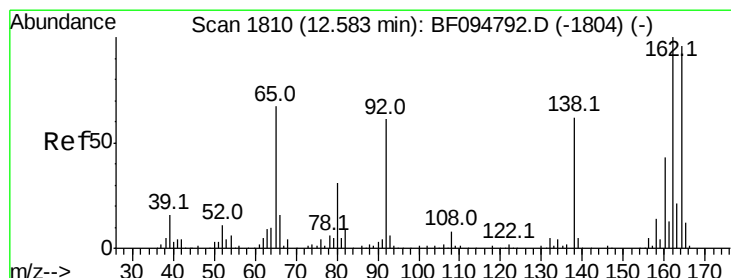
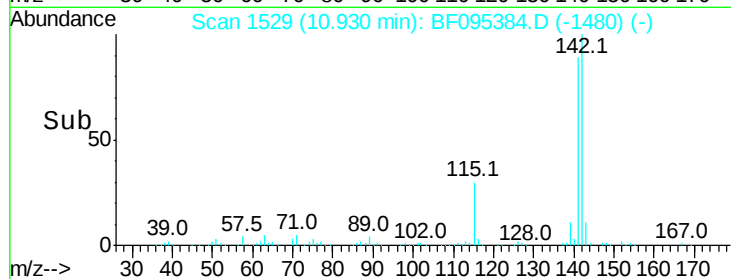
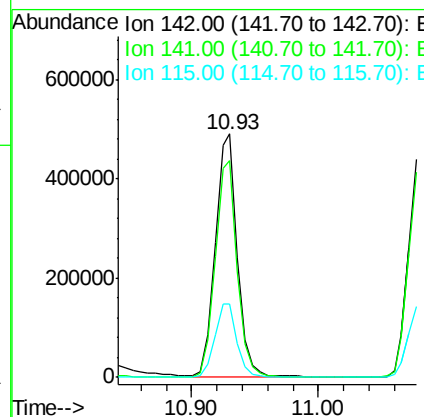
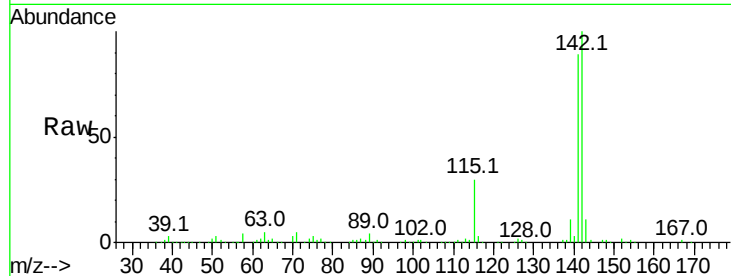
#37
2-Methylnaphthalene
Concen: 51.29 ng
RT: 10.93 min Scan# 1529
Delta R.T. -0.01 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Instrument :
BNA_F
ClientSampleId :
PB99217BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.8	71.3	106.9
115	30.0	27.1	40.7

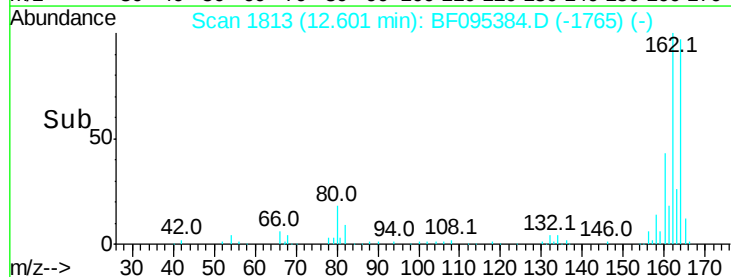
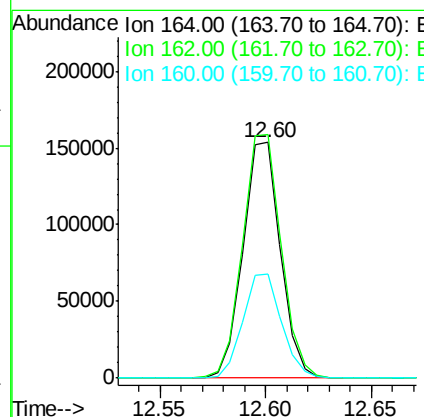
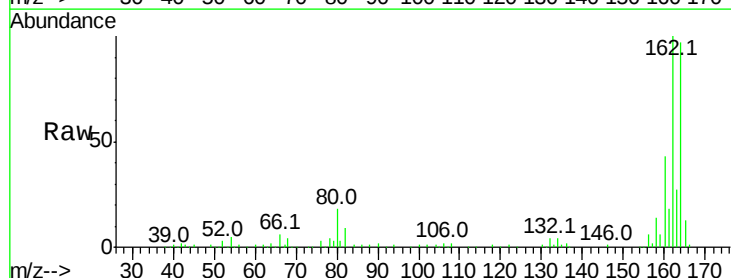
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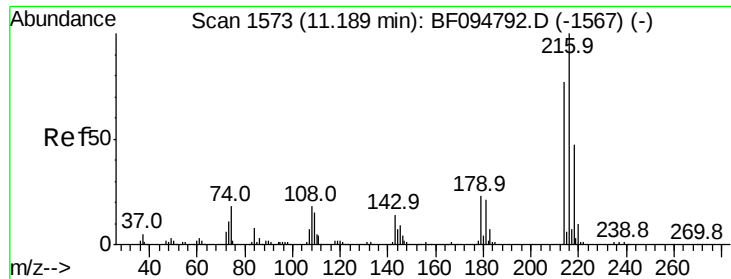
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.60 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	82.6	123.8
160	44.5	36.2	54.2





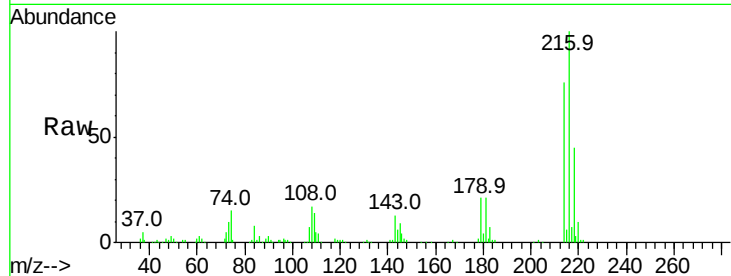
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 41.90 ng
 RT: 11.21 min Scan# 1576
 Delta R.T. -0.02 min
 Lab File: BF095384.D
 Acq: 24 May 2017 12:32

Instrument :
 BNA_F
 ClientSampleId :
 PB99217BS

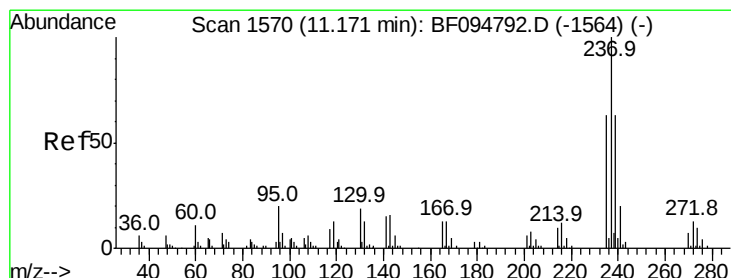
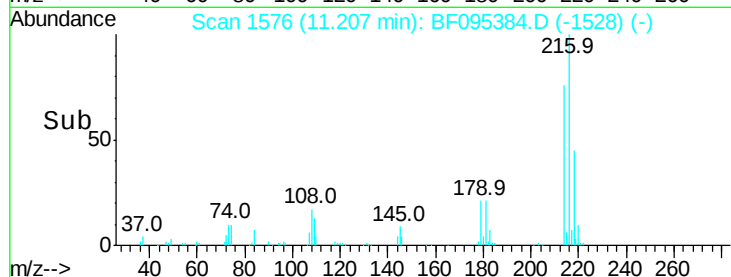
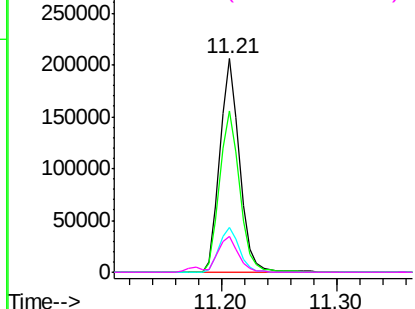
Tot Ion	Ratio	Resp	Lower	Upper
216	100	243000		
214	77.5	63.4	95.2	
179	21.4	17.9	26.9	
108	19.9	16.5	24.7	

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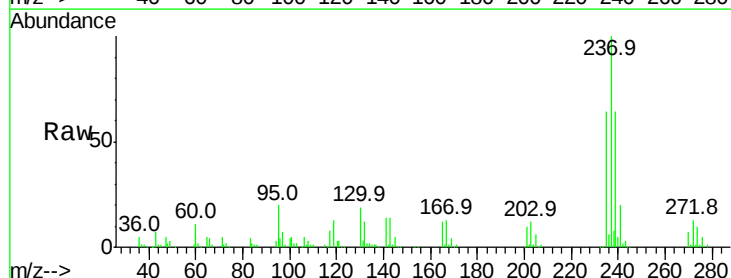


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

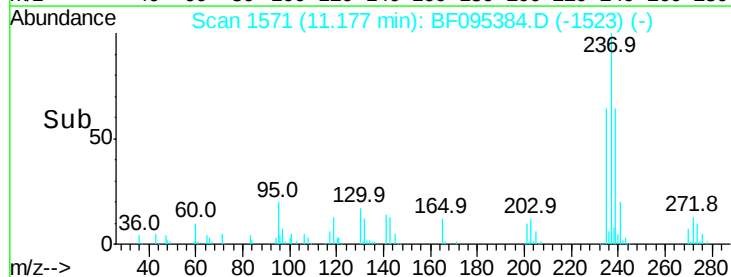
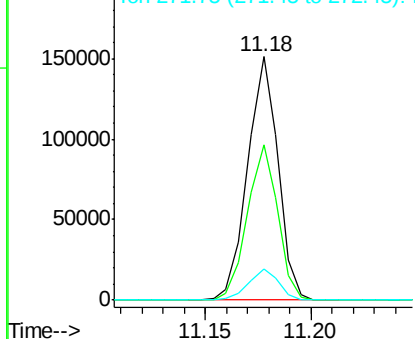


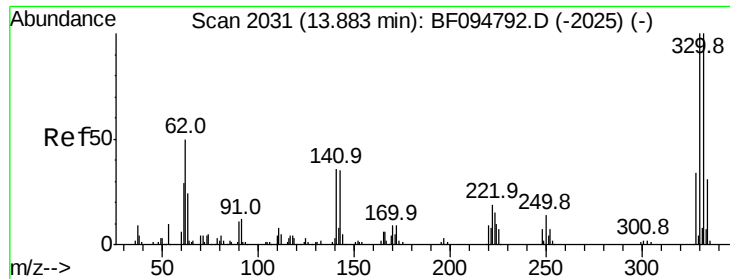
#40
 Hexachlorocyclopentadiene
 Concen: 63.54 ng
 RT: 11.18 min Scan# 1571
 Delta R.T. -0.02 min
 Lab File: BF095384.D
 Acq: 24 May 2017 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	151639		
235	63.9	42.6	82.6	
272	13.0	0.0	31.9	



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





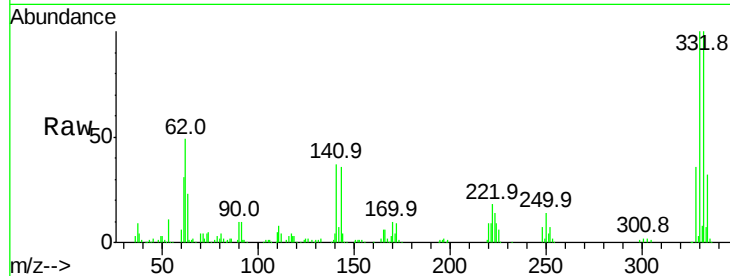
#41
 2,4,6-Tribromophenol
 Concen: 137.59 ng
 RT: 13.91 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF095384.D
 Acq: 24 May 2017 12:32

Instrument :
 BNA_F
 ClientSampleId :
 PB99217BS

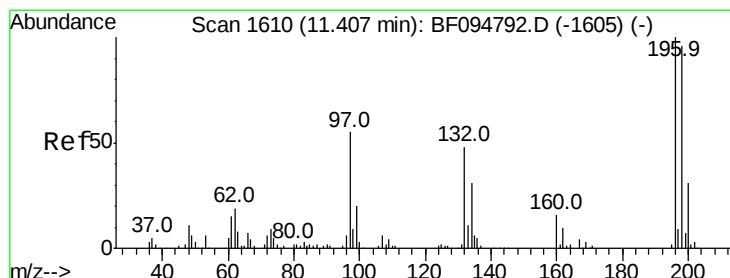
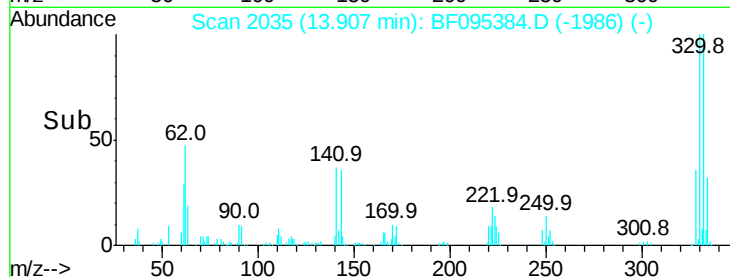
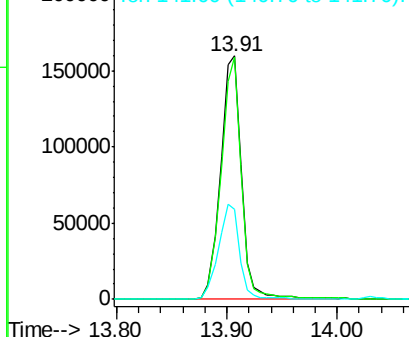
Tot Ion	Ratio	Resp	Lower	Upper
330	100	212506		
332	96.4	76.6	115.0	
141	39.6	31.4	47.2	

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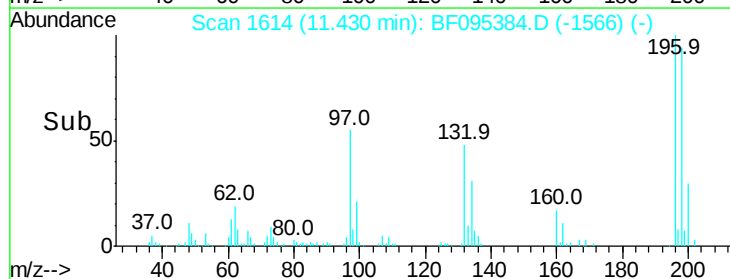
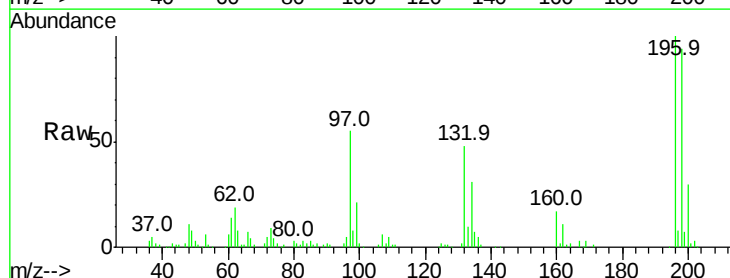
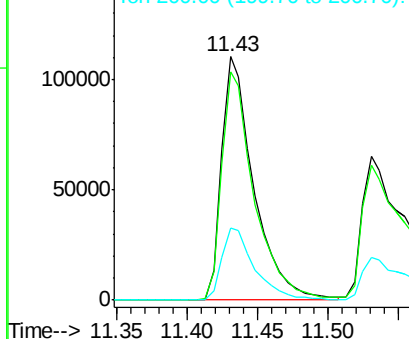
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

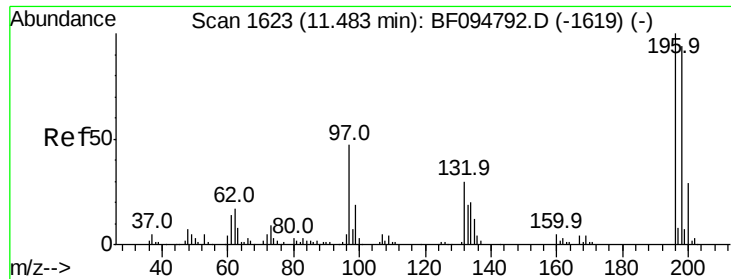


#42
 2,4,6-Trichlorophenol
 Concen: 45.32 ng
 RT: 11.43 min Scan# 1614
 Delta R.T. -0.02 min
 Lab File: BF095384.D
 Acq: 24 May 2017 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	175473		
198	93.9	74.2	111.4	
200	29.6	24.0	36.0	

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





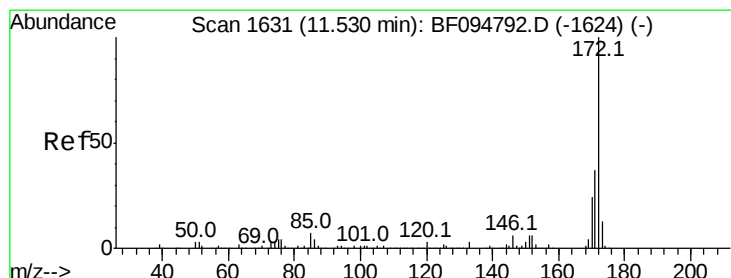
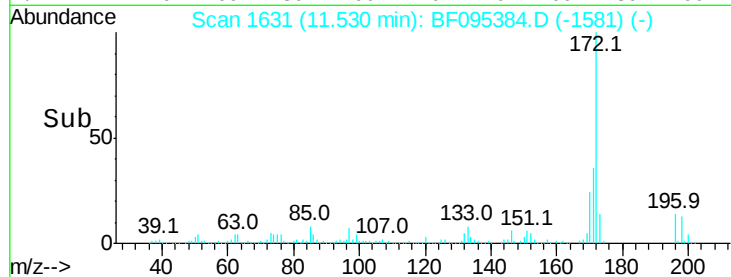
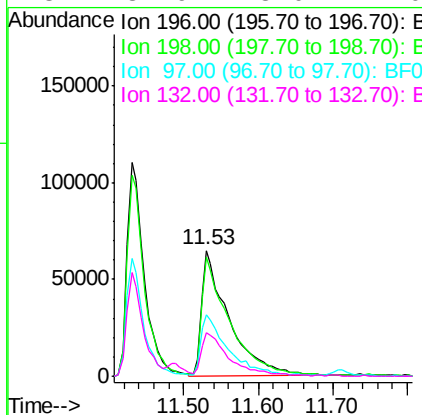
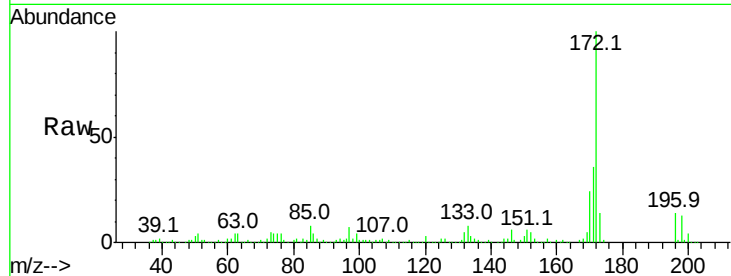
#43
 2,4,5-Trichlorophenol
 Concen: 39.76 ng
 RT: 11.53 min Scan# 1631
 Delta R.T. -0.01 min
 Lab File: BF095384.D
 Acq: 24 May 2017 12:32

Instrument :
 BNA_F
 ClientSampleId :
 PB99217BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	165470		
198	94.3	75.7	113.5	
97	48.9	47.7	71.5	
132	34.9	28.0	42.0	

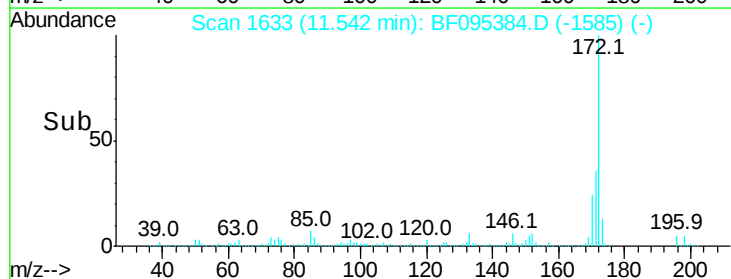
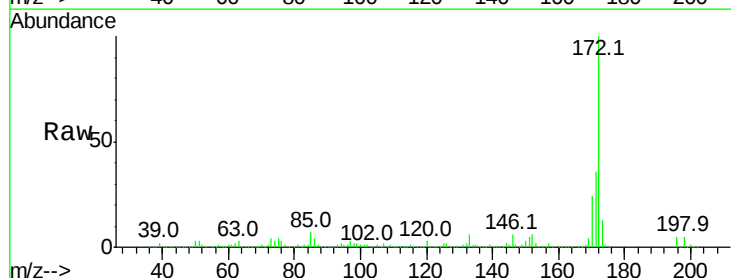
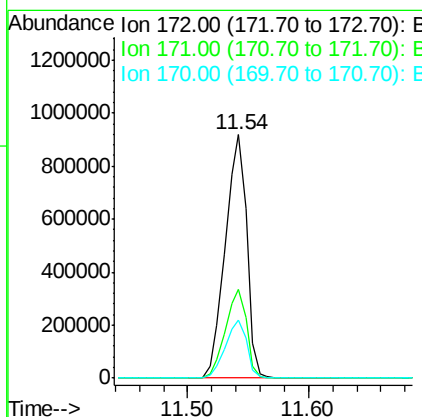
Manual Integrations
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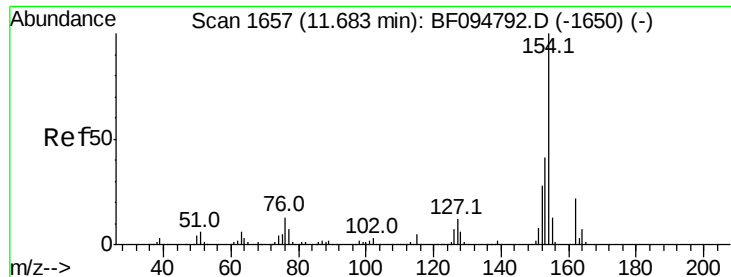
mohammad
 5/25/2017 5:59:57 PM



#44
 2-Fluorobiphenyl
 Concen: 86.41 ng
 RT: 11.54 min Scan# 1633
 Delta R.T. -0.02 min
 Lab File: BF095384.D
 Acq: 24 May 2017 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1132217		
171	36.5	29.6	44.4	
170	24.0	19.8	29.8	





#45

1,1'-Biphenyl

Concen: 43.24 ng

RT: 11.69 min Scan# 1659

Delta R.T. -0.02 min

Lab File: BF095384.D

Acq: 24 May 2017 12:32

Instrument :

BNA_F

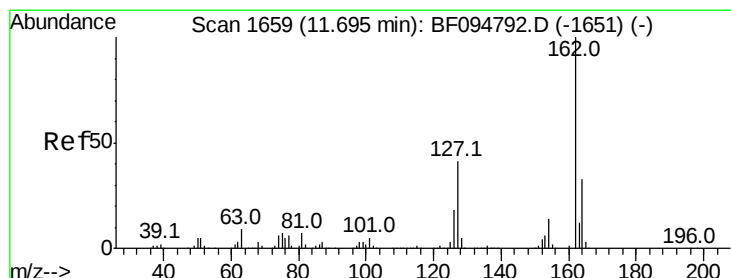
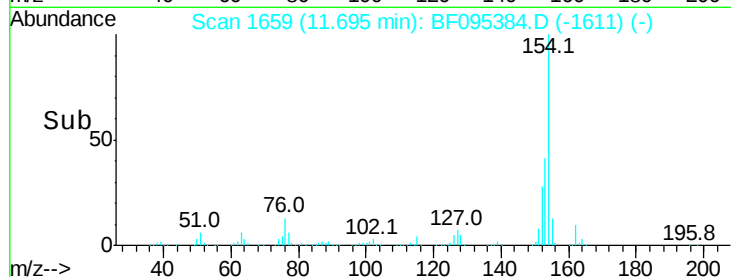
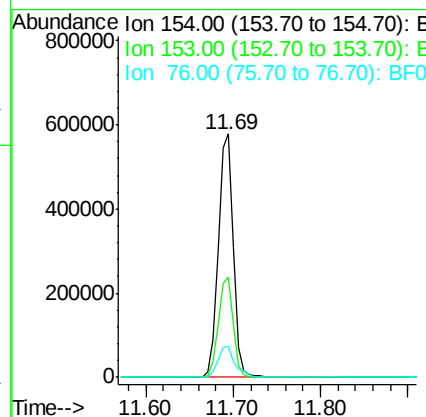
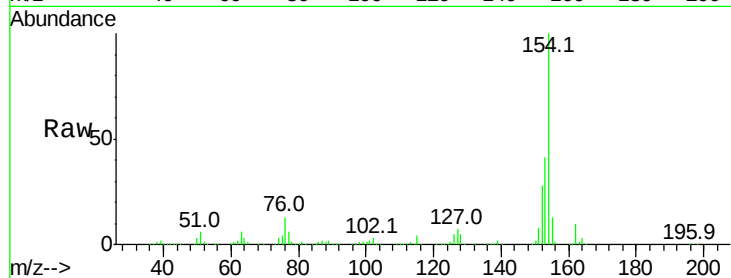
ClientSampleId :

PB99217BS

Tot Ion:	154	Resp:	686609
Ion Ratio	Lower	Upper	
154	100		
153	41.0	21.2	61.2
76	12.8	0.0	29.9

Manual Integrations
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#46

2-Chloronaphthalene

Concen: 41.43 ng

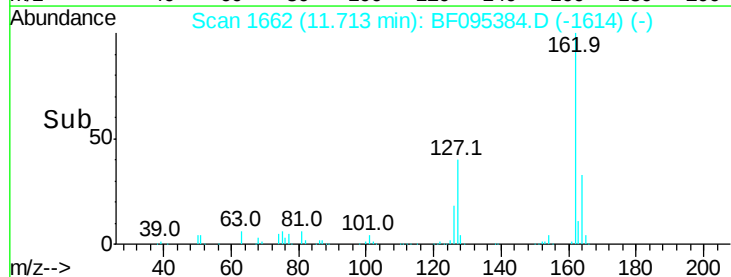
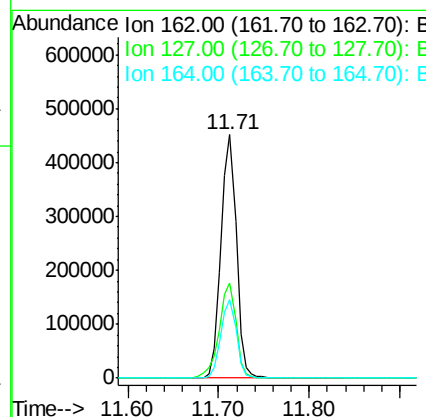
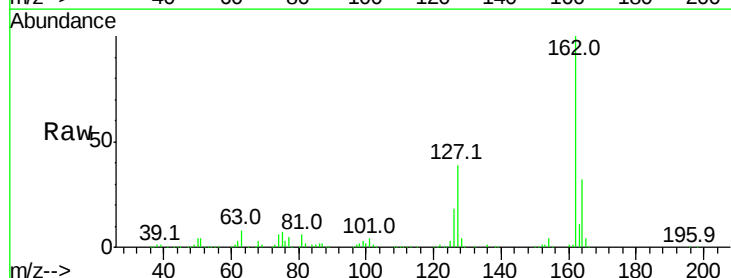
RT: 11.71 min Scan# 1662

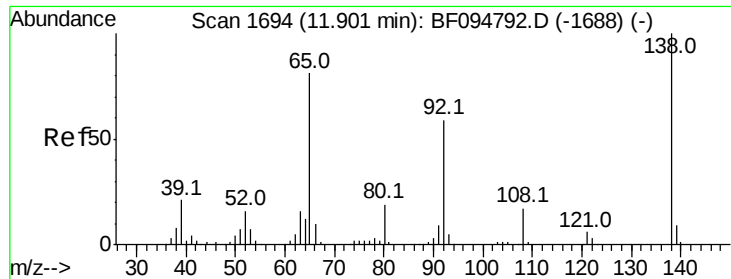
Delta R.T. -0.02 min

Lab File: BF095384.D

Acq: 24 May 2017 12:32

Tgt Ion:	162	Resp:	531148
Ion Ratio	Lower	Upper	
162	100		
127	38.9	28.3	42.5
164	32.2	27.0	40.4





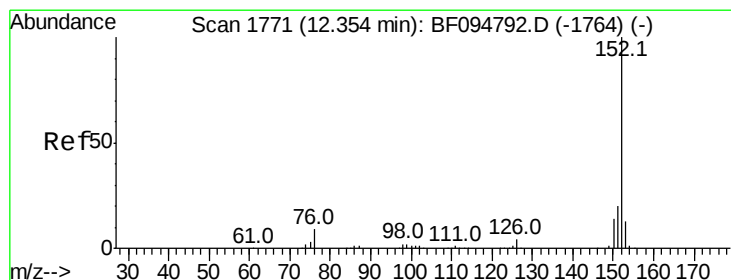
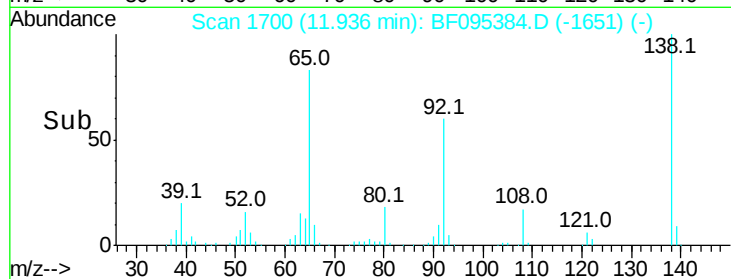
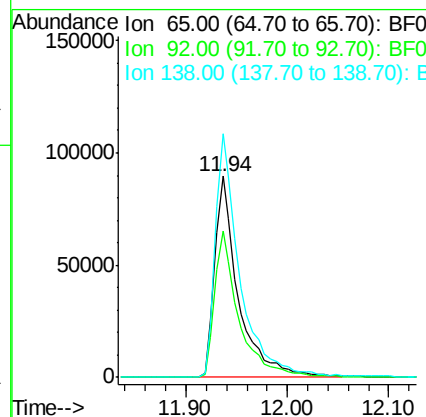
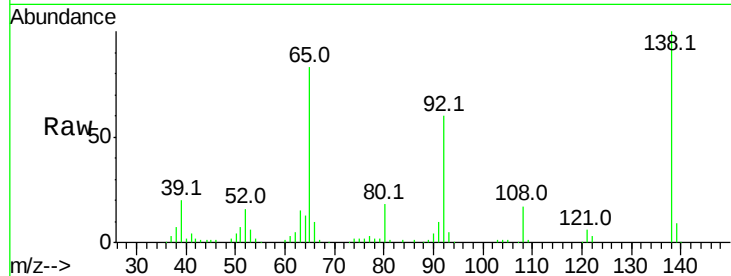
#47
2-Nitroaniline
Concen: 41.63 ng
RT: 11.94 min Scan# 1700
Delta R.T. -0.01 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Instrument :
BNA_F
ClientSampleId :
PB99217BS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	146076		
92	72.9	53.9	80.9	
138	120.9	78.8	118.2	

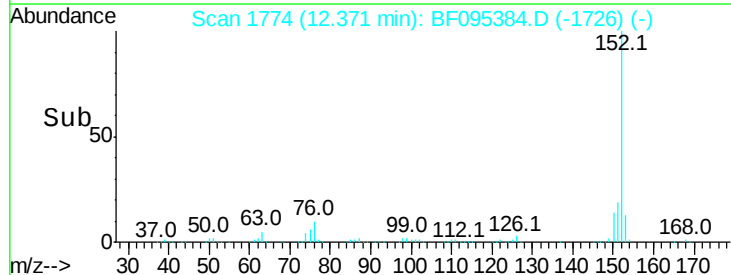
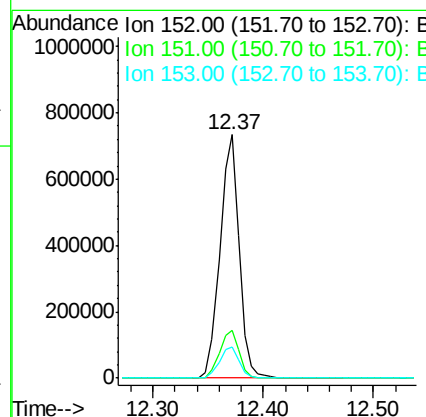
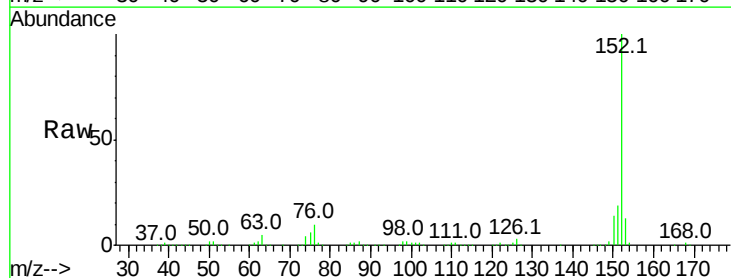
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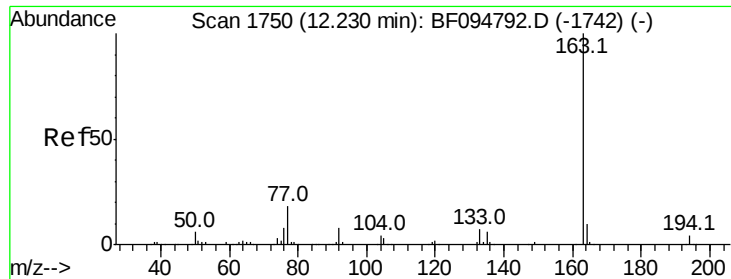
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#48
Acenaphthylene
Concen: 43.67 ng
RT: 12.37 min Scan# 1774
Delta R.T. -0.02 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	876951		
151	19.4	16.8	25.2	
153	13.0	10.8	16.2	





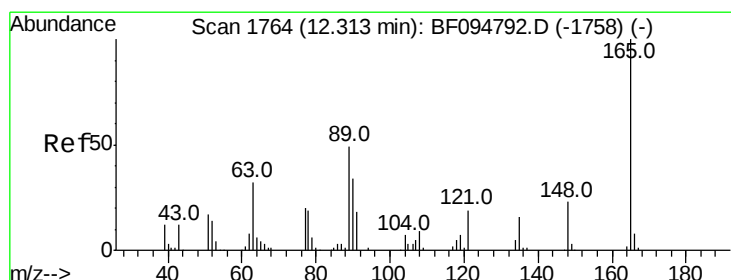
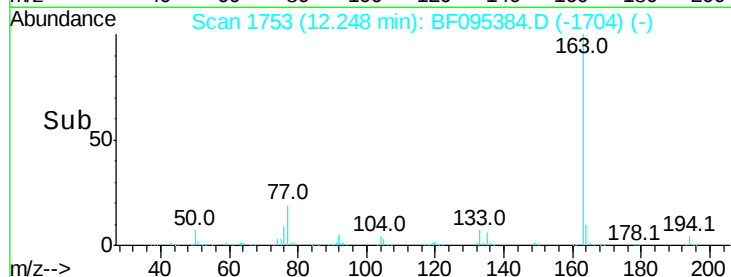
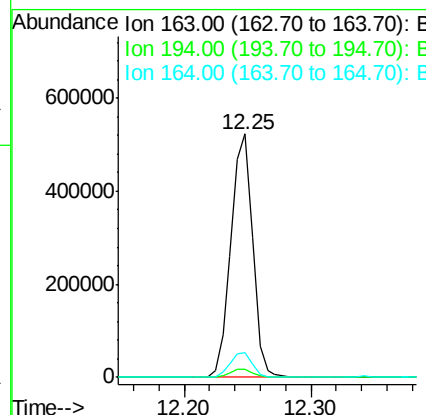
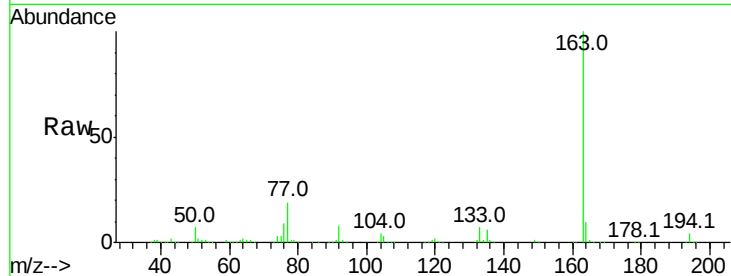
#49
Dimethylphthalate
Concen: 40.01 ng
RT: 12.25 min Scan# 1753
Delta R.T. -0.01 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Instrument :
BNA_F
ClientSampleId :
PB99217BS

Tot Ion	Ratio	Resp	Lower	Upper
163	100	619448		
194	3.6		2.6	4.0
164	10.1		8.4	12.6

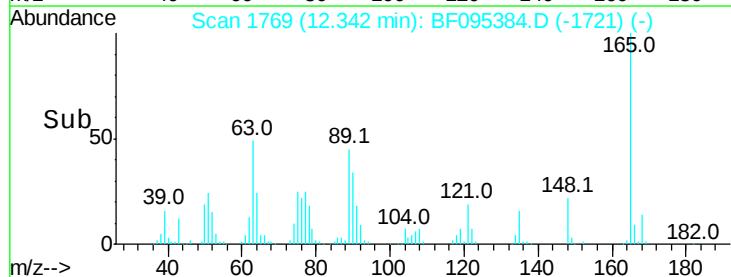
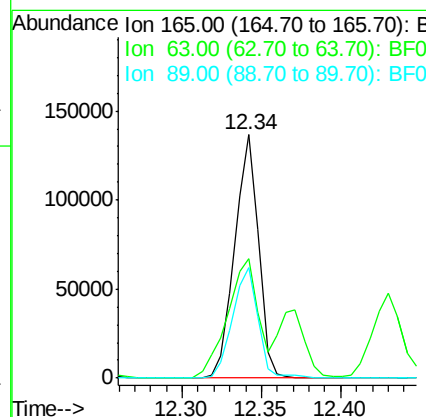
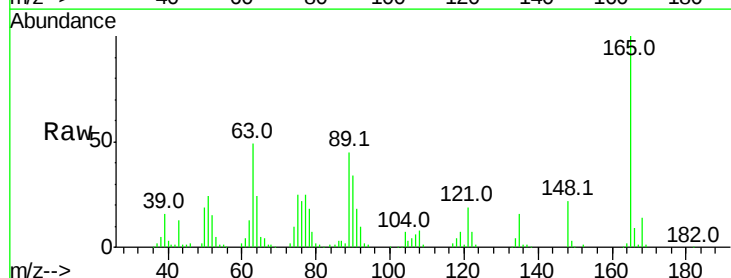
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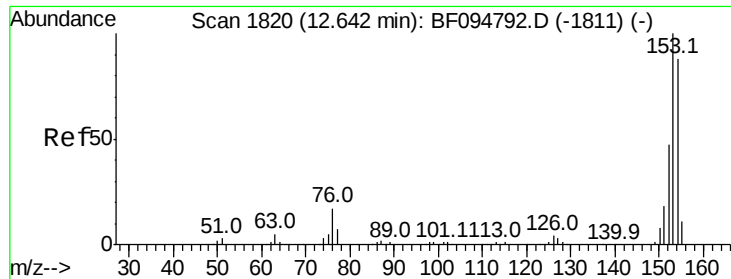
mohammad
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#50
2,6-Dinitrotoluene
Concen: 45.17 ng
RT: 12.34 min Scan# 1769
Delta R.T. -0.02 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	142683		
63	48.9		34.3	51.5
89	45.4		37.1	55.7





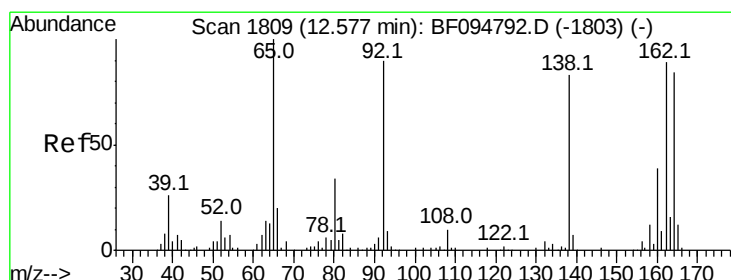
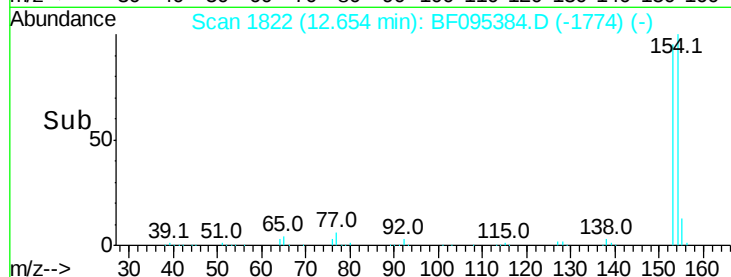
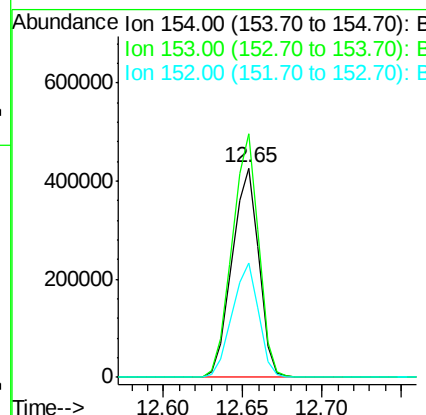
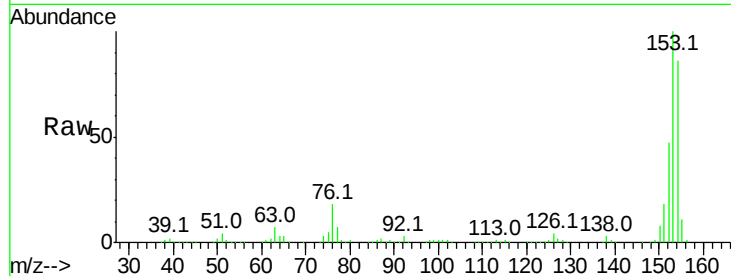
#51
Acenaphthene
Concen: 41.79 ng
RT: 12.65 min Scan# 1822
Delta R.T. -0.02 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Instrument :
BNA_F
ClientSampleId :
PB99217BS

Tot Ion	Ratio	Lower	Upper
154	100		
153	116.1	90.5	135.7
152	54.8	43.6	65.4

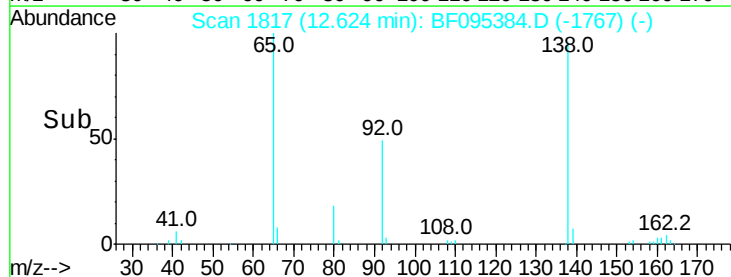
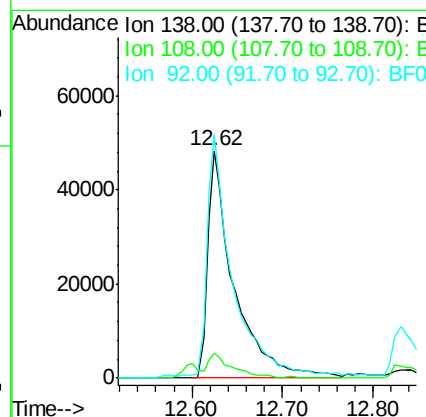
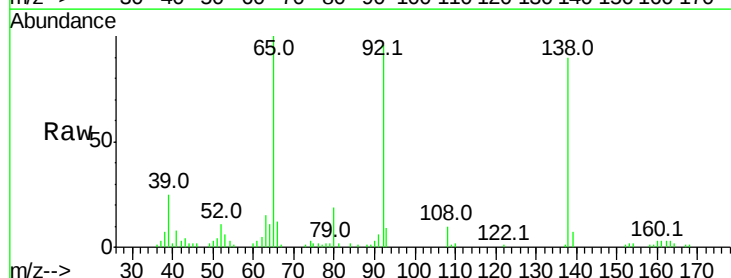
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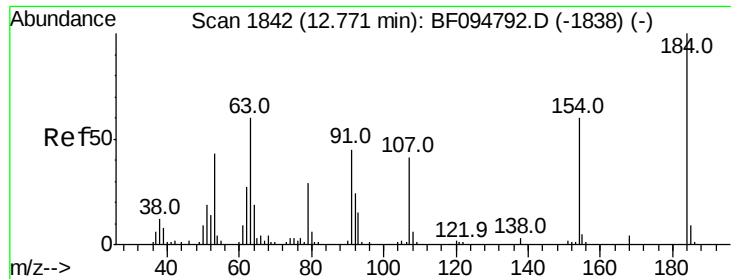
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#52
3-Nitroaniline
Concen: 29.04 ng
RT: 12.62 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.8	9.1	13.7
92	107.1	93.8	140.6





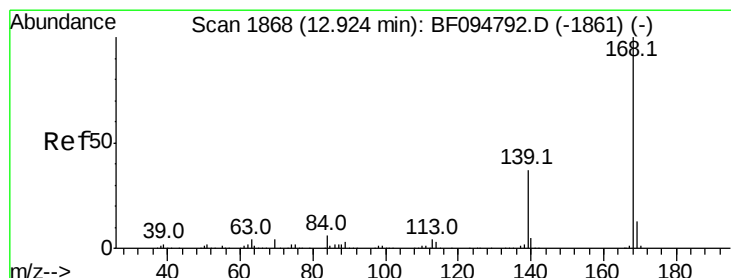
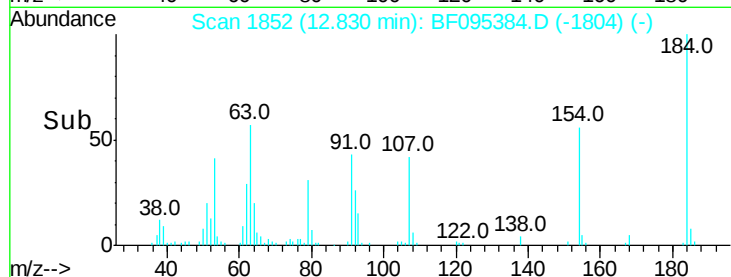
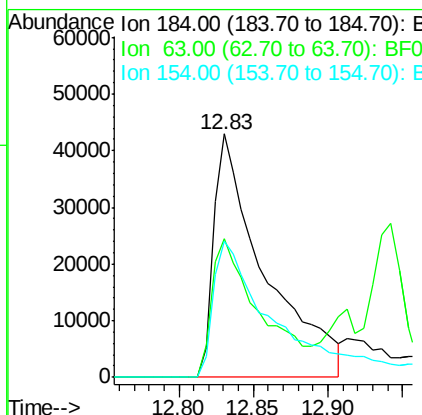
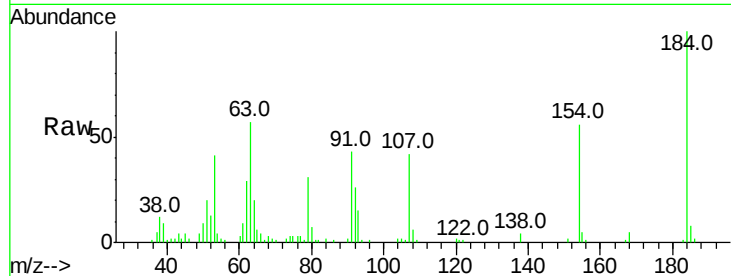
#53
 2,4-Dinitrophenol
 Concen: 60.08 ng
 RT: 12.83 min Scan# 1852
 Delta R.T. -0.02 min
 Lab File: BF095384.D
 Acq: 24 May 2017 12:32

Instrument :
 BNA_F
 ClientSampleID :
 PB99217BS

Tot Ion	Ratio	Resp	Lower	Upper
184	100	101581		
63	56.8	62.7	94.1#	
154	55.7	81.1	121.7#	

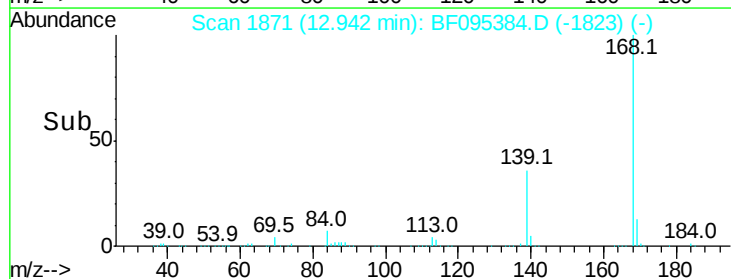
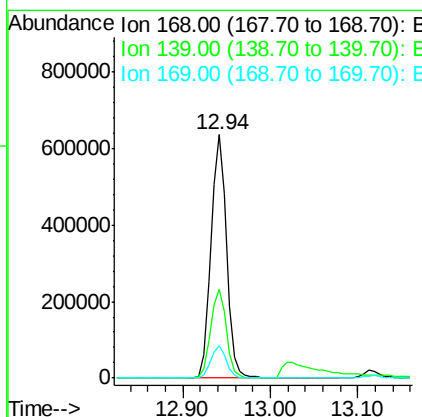
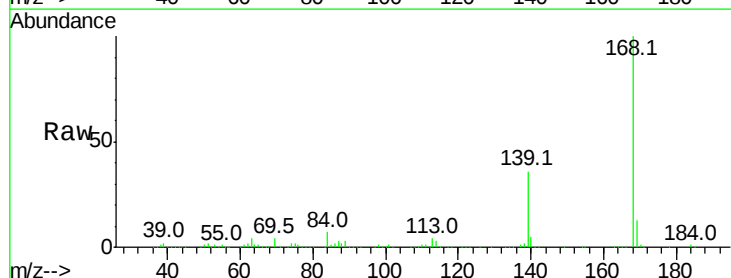
Manual Integrations
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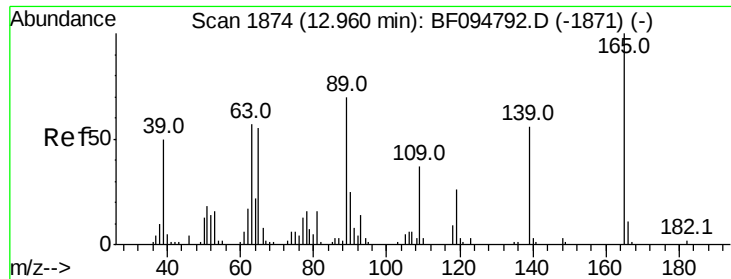
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#54
 Dibenzofuran
 Concen: 47.45 ng
 RT: 12.94 min Scan# 1871
 Delta R.T. -0.02 min
 Lab File: BF095384.D
 Acq: 24 May 2017 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	787581		
139	36.5	30.6	45.8	
169	13.2	10.8	16.2	





#55

4-Nitrophenol

Concen: 81.61 ng

RT: 13.02 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BF095384.D

Acq: 24 May 2017 12:32

Instrument :

BNA_F

ClientSampleId :

PB99217BS

Tot Ion:139 Resp: 166171

Ion Ratio Lower Upper

139 100

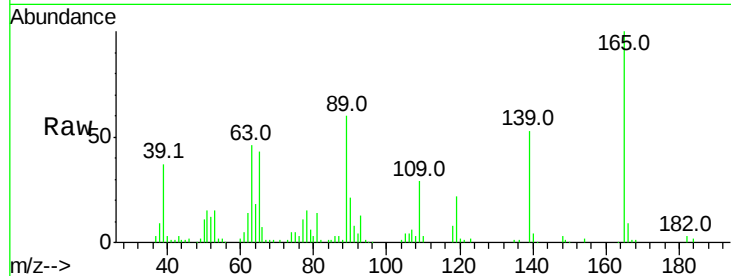
109 53.9 34.1 74.1

65 80.4 31.4 71.4#

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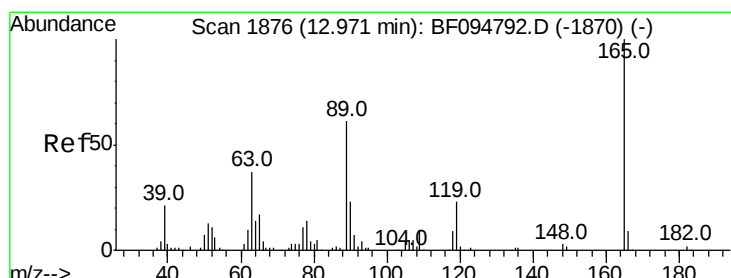
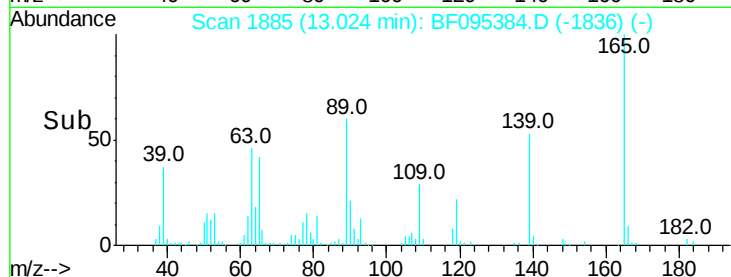
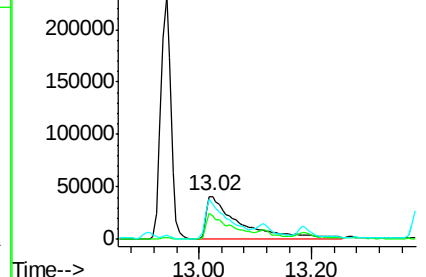
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Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 48.15 ng

RT: 13.01 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BF095384.D

Acq: 24 May 2017 12:32

Tgt Ion:165 Resp: 195431

Ion Ratio Lower Upper

165 100

63 43.3 25.4 38.0#

89 62.6 46.4 69.6

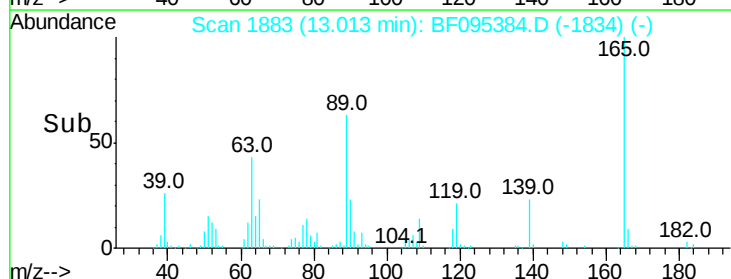
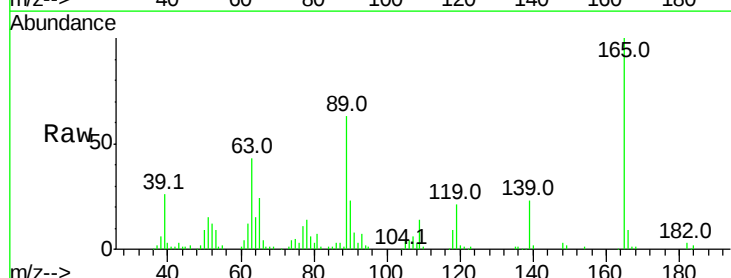
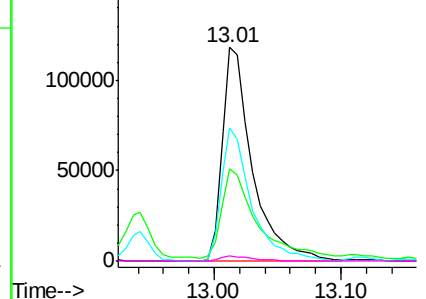
182 2.5 1.8 2.6

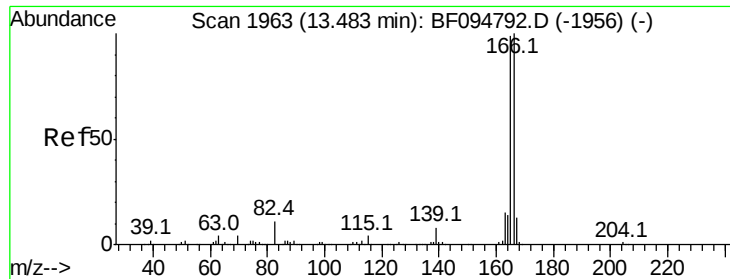
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





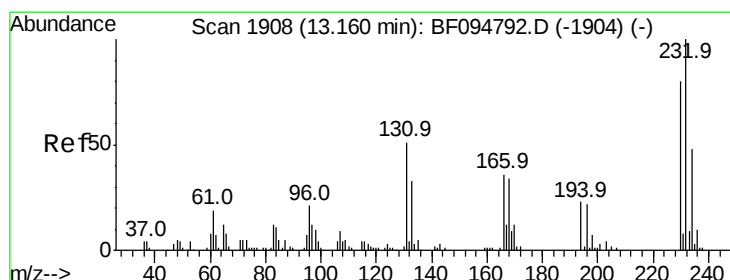
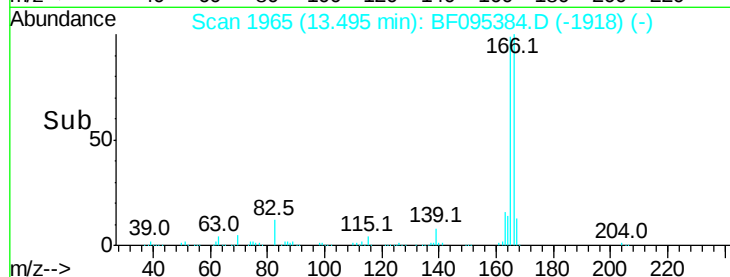
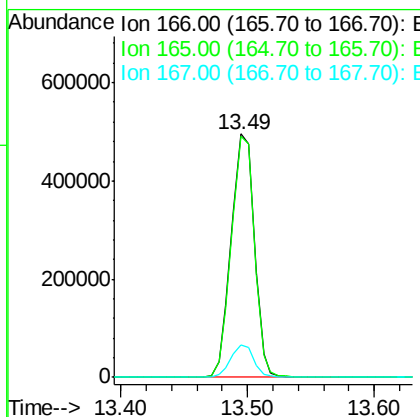
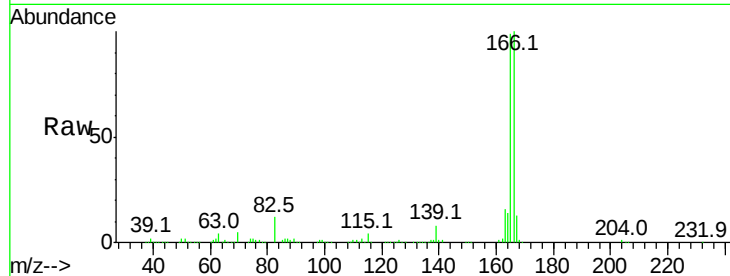
#57
 Fluorene
 Concen: 43.46 ng
 RT: 13.49 min Scan# 1965
 Delta R.T. -0.02 min
 Lab File: BF095384.D
 Acq: 24 May 2017 12:32

Instrument :
 BNA_F
 ClientSampleId :
 PB99217BS

Tot Ion	Ratio	Resp	Lower	Upper
166	100	627232		
165	98.8	78.8	118.2	
167	13.3	10.6	16.0	

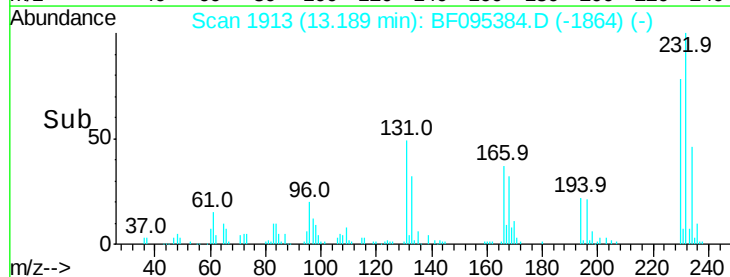
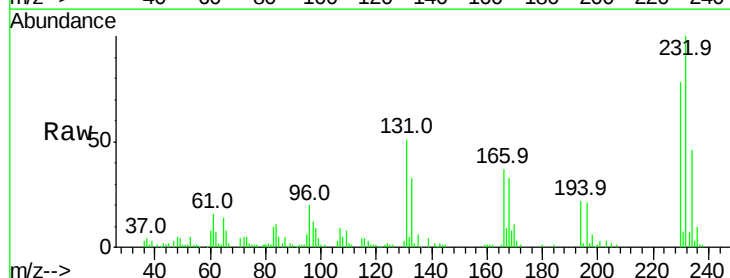
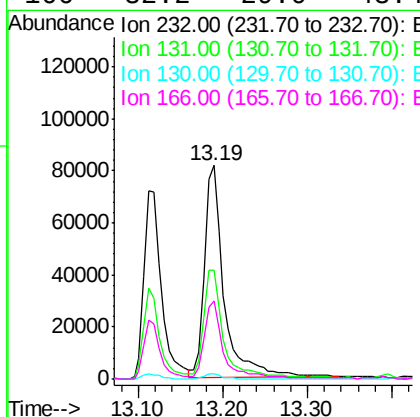
Manual Integrations
 APPROVED

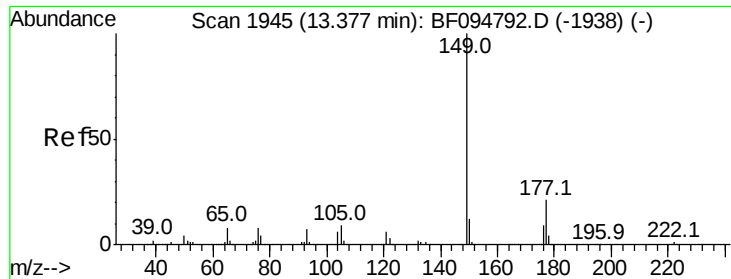
mohammad
 5/25/2017 5:59:57 PM



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 50.71 ng
 RT: 13.19 min Scan# 1913
 Delta R.T. -0.01 min
 Lab File: BF095384.D
 Acq: 24 May 2017 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	132815		
131	51.0	44.8	67.2	
130	2.2	2.3	3.5	
166	32.2	29.0	43.4	





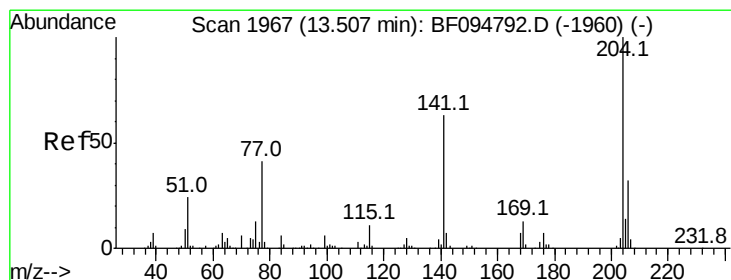
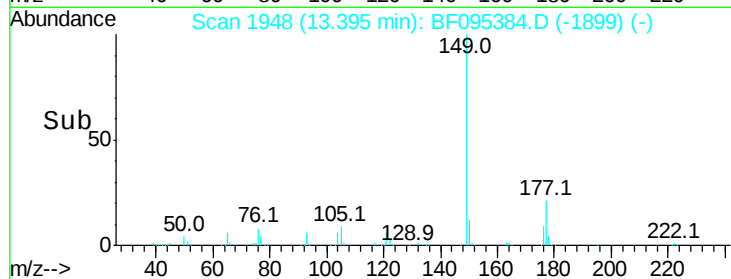
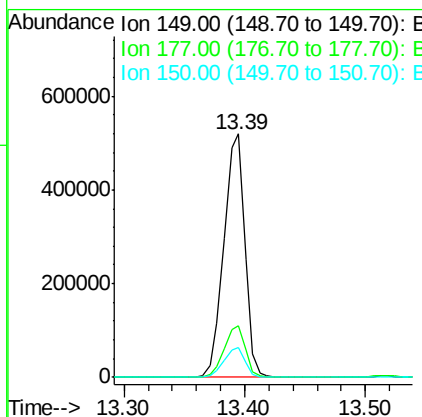
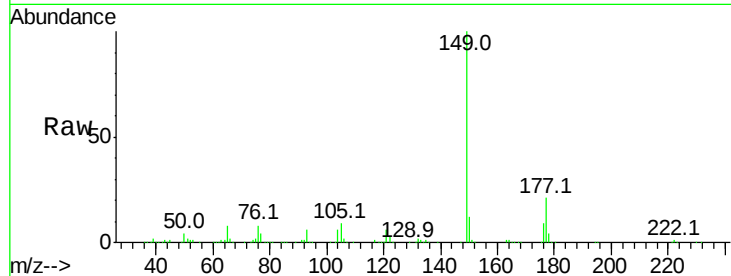
#59
Diethylphthalate
Concen: 42.09 ng
RT: 13.39 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Instrument :
BNA_F
ClientSampleId :
PB99217BS

Tot Ion	Ratio	Lower	Upper
149	100		
177	21.4	16.7	25.1
150	12.2	10.2	15.2

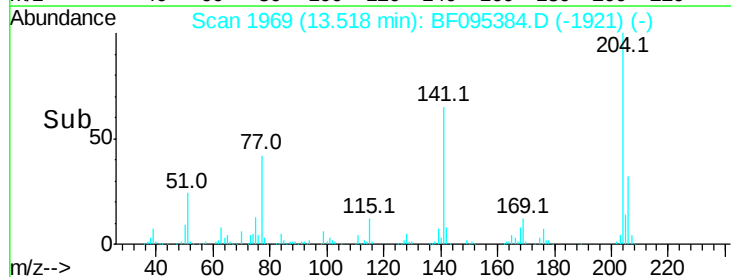
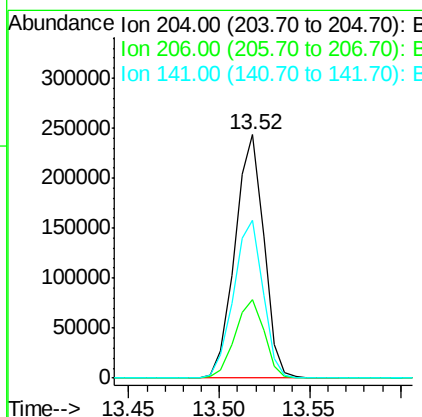
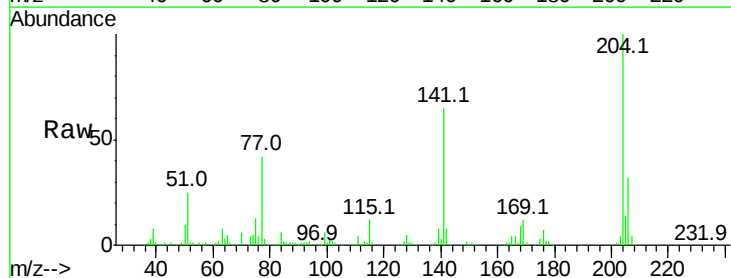
Manual Integrations
APPROVED

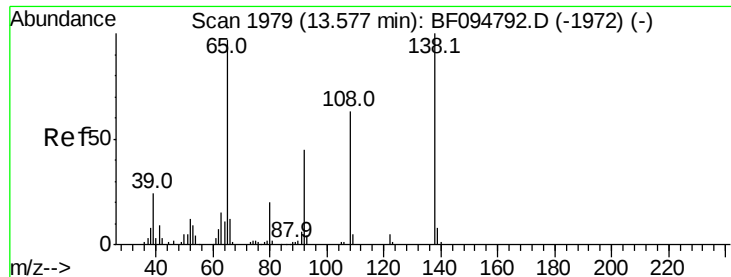
mohammad
5/25/2017 5:59:57 PM



#60
4-Chlorophenyl-phenylether
Concen: 42.55 ng
RT: 13.52 min Scan# 1969
Delta R.T. -0.02 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.2	26.2	39.2
141	64.6	60.8	91.2





#61

4-Nitroaniline

Concen: 40.52 ng

RT: 13.62 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BF095384.D

Acq: 24 May 2017 12:32

Instrument :

BNA_F

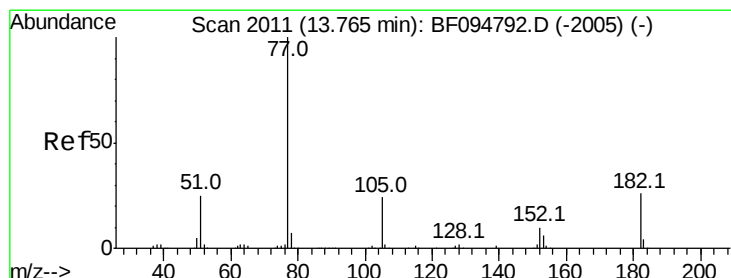
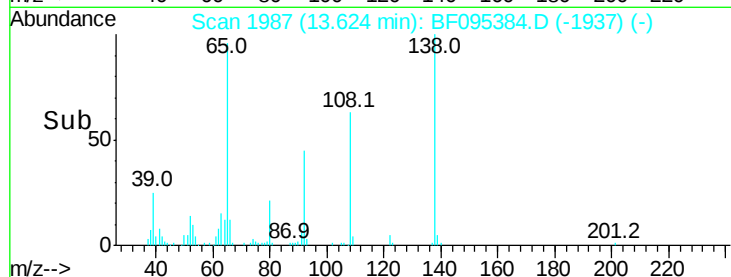
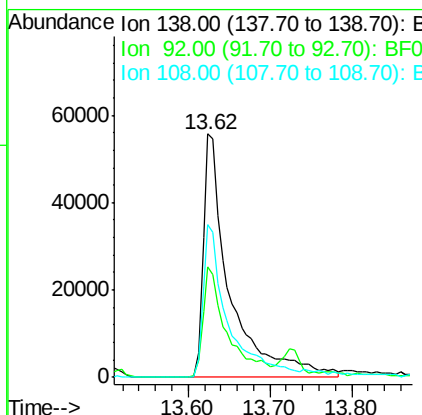
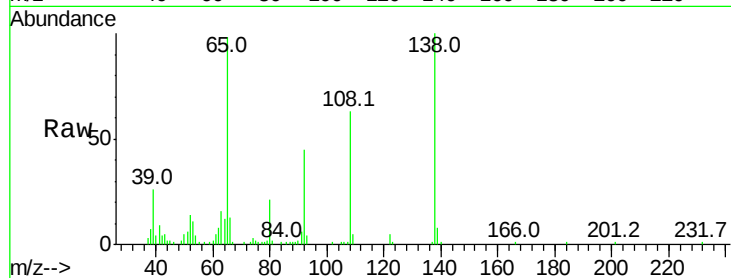
ClientSampleId :

PB99217BS

Tot Ion:	138	Resp:	126115
Ion Ratio	Lower	Upper	
138	100		
92	45.1	21.8	61.8
108	62.8	42.3	82.3

Manual Integrations
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#62

Azobenzene

Concen: 49.45 ng

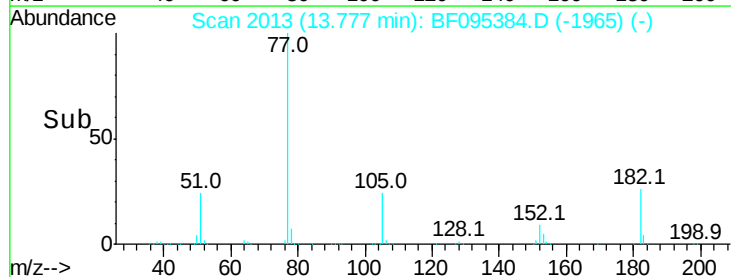
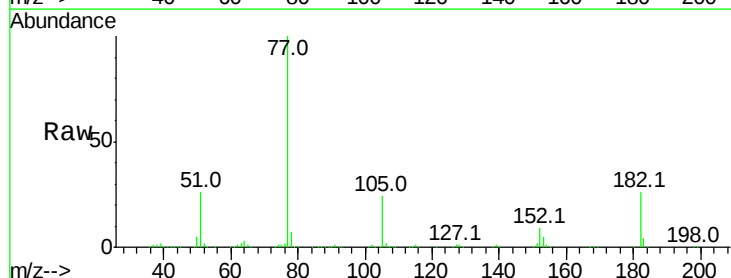
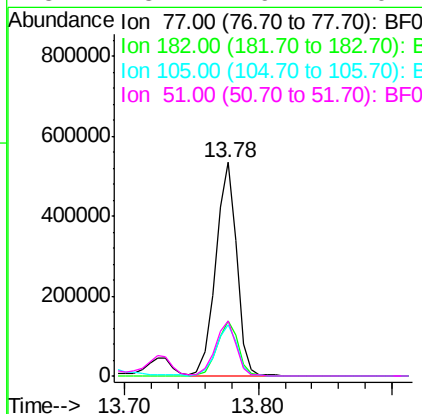
RT: 13.78 min Scan# 2013

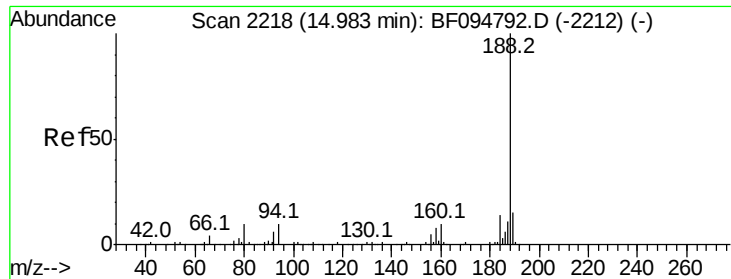
Delta R.T. -0.02 min

Lab File: BF095384.D

Acq: 24 May 2017 12:32

Tgt Ion:	77	Resp:	589666
Ion Ratio	Lower	Upper	
77	100		
182	25.9	0.1	40.1
105	24.1	3.6	43.6
51	25.7	9.4	49.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 15.01 min Scan# 2222

Delta R.T. -0.02 min

Lab File: BF095384.D

Acq: 24 May 2017 12:32

Instrument :

BNA_F

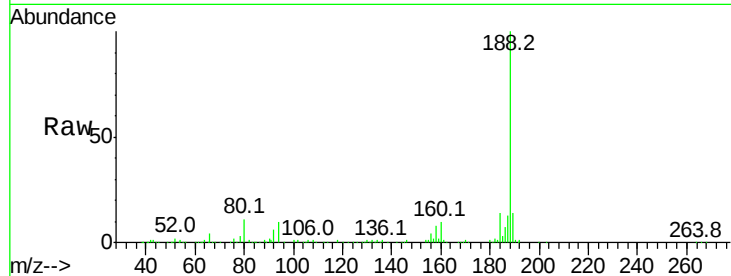
ClientSampleId :

PB99217BS

Tot Ion:	188	Resp:	335003
Ion Ratio	Lower	Upper	
188	100		
94	9.6	9.4	14.2
80	10.8	10.2	15.2

Manual Integrations
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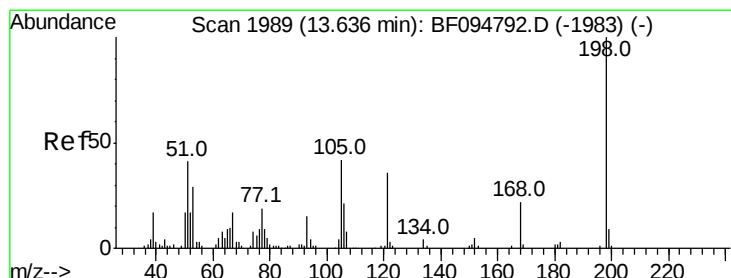
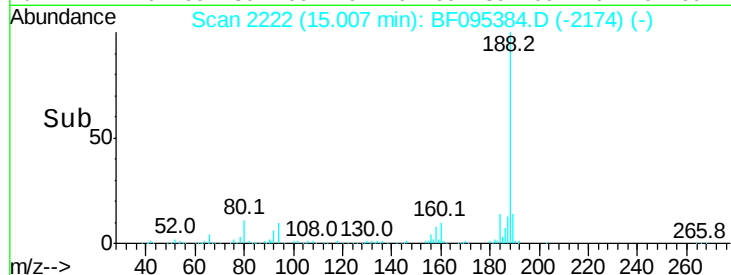
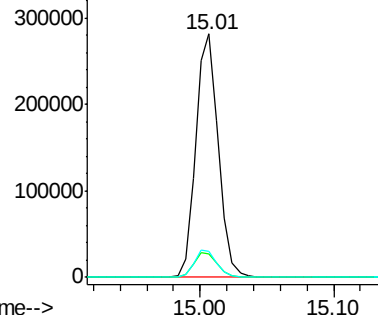
mohammad
5/25/2017 5:59:57 PM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 39.88 ng

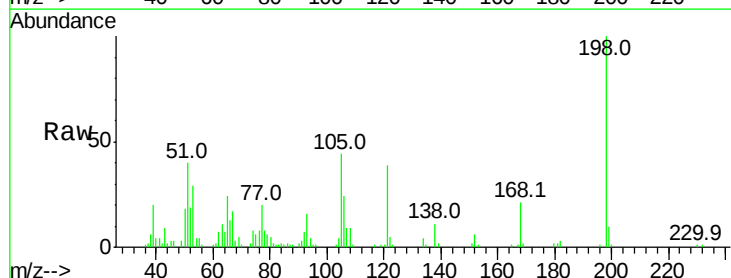
RT: 13.69 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF095384.D

Acq: 24 May 2017 12:32

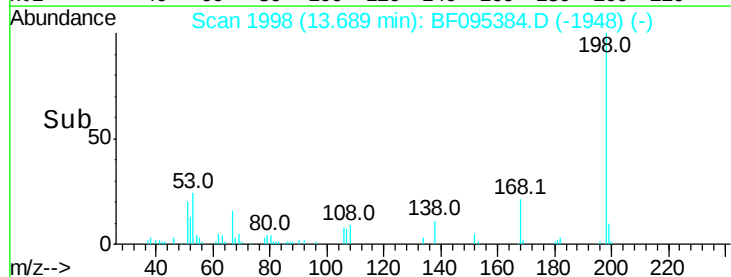
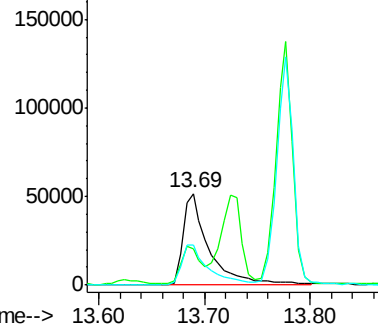
Tgt Ion:	198	Resp:	89551
Ion Ratio	Lower	Upper	
198	100		
51	40.1	53.2	93.2#
105	43.6	45.8	85.8#

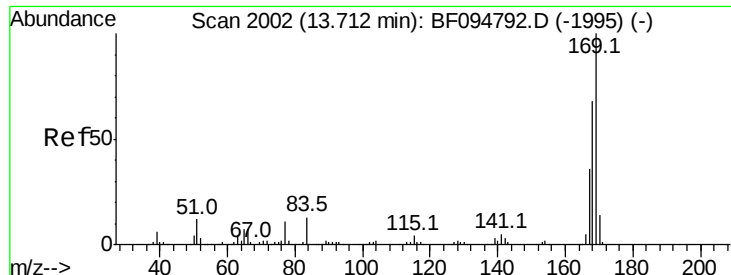


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





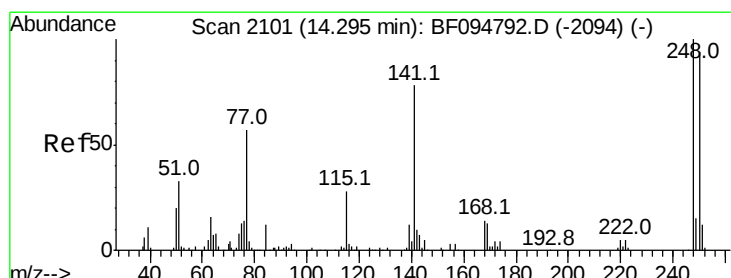
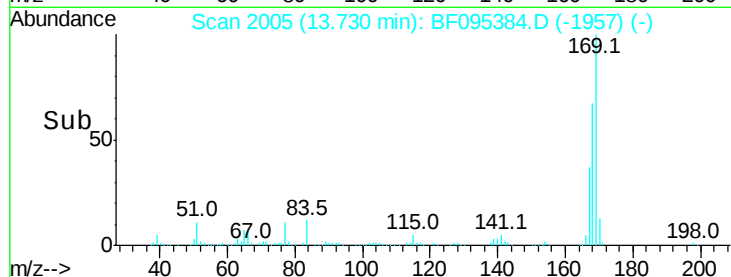
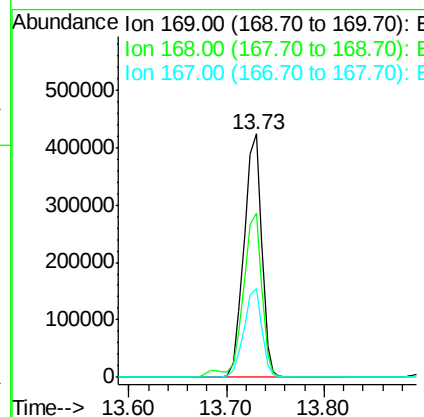
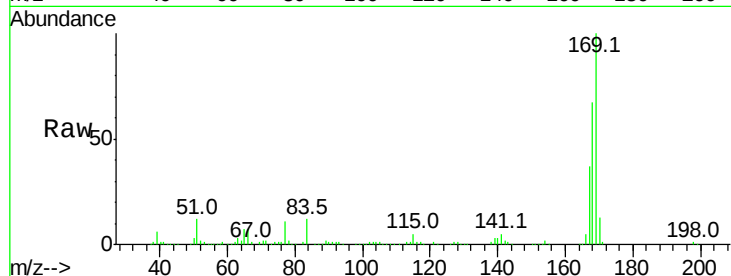
#65
n-Nitrosodiphenylamine
Concen: 44.05 ng
RT: 13.73 min Scan# 2005
Delta R.T. -0.02 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Instrument :
BNA_F
ClientSampleId :
PB99217BS

Tot Ion	Ratio	Resp	Lower	Upper
169	100	535534		
168	67.3	53.2	79.8	
167	36.6	29.5	44.3	

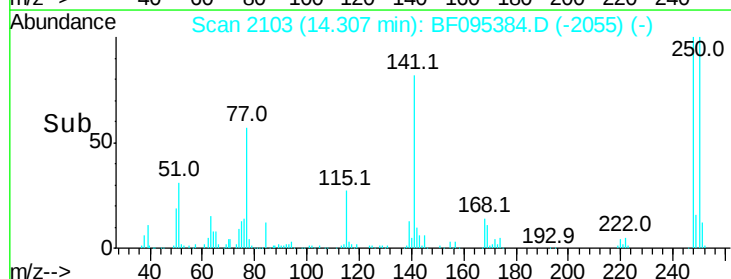
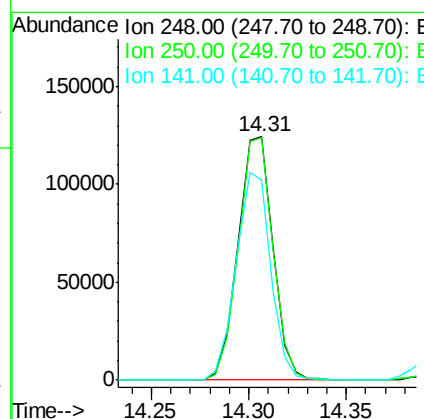
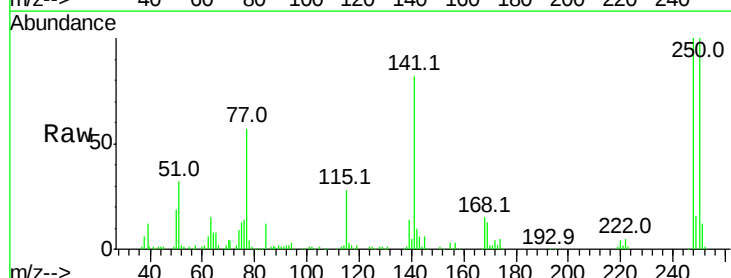
Manual Integrations
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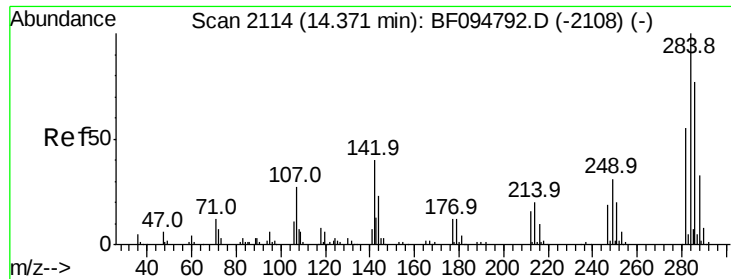
mohammad
5/25/2017 5:59:57 PM



#66
4-Bromophenyl-phenylether
Concen: 43.49 ng
RT: 14.31 min Scan# 2103
Delta R.T. -0.02 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	153936		
250	99.7	76.8	115.2	
141	82.3	68.6	103.0	





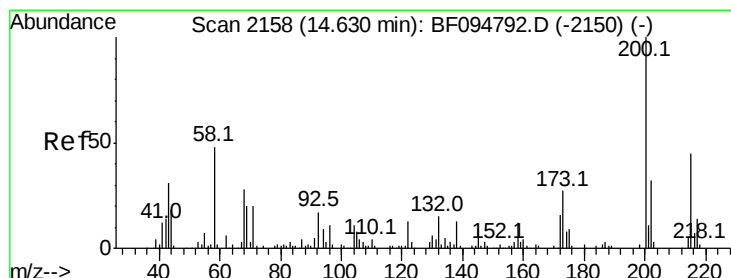
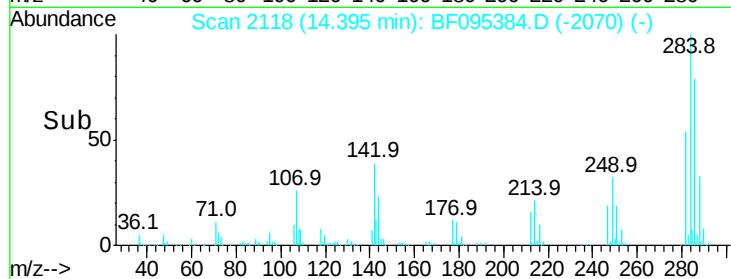
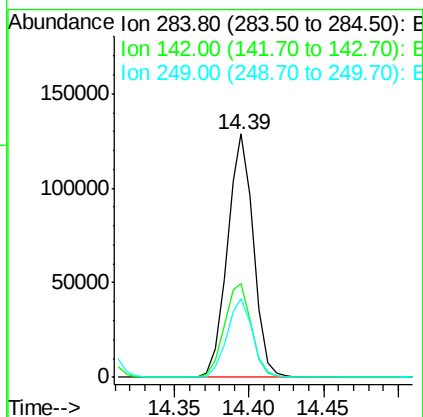
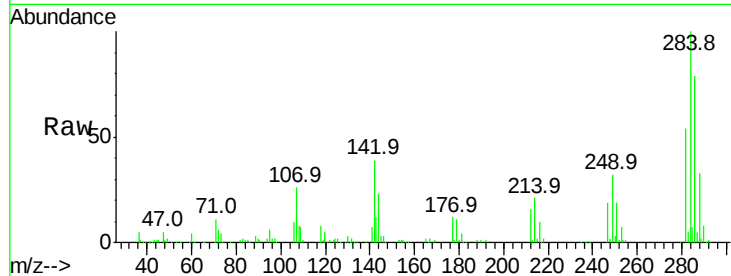
#67
Hexachlorobenzene
Concen: 43.41 ng
RT: 14.39 min Scan# 2118
Delta R.T. -0.02 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Instrument :
BNA_F
ClientSampleId :
PB99217BS

Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	38.6	22.8	34.2	
249	32.1	24.0	36.0	

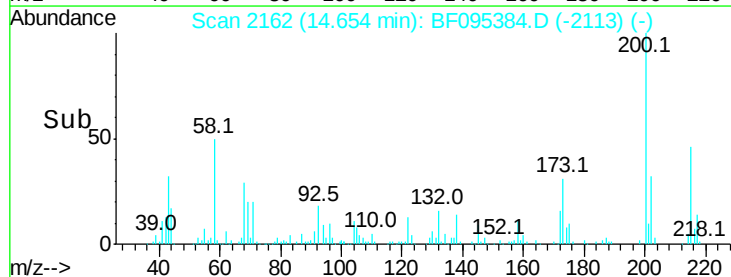
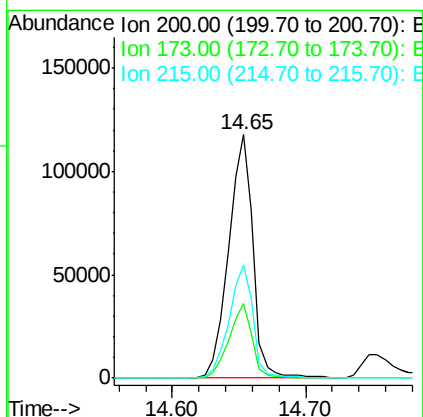
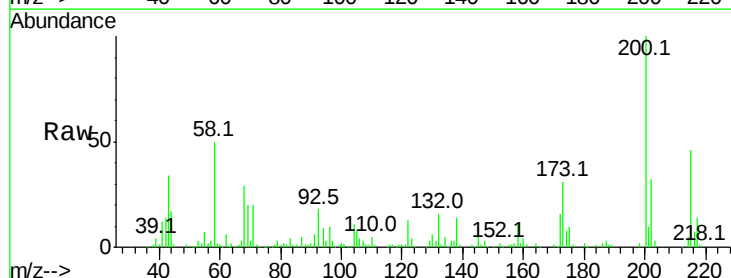
Manual Integrations
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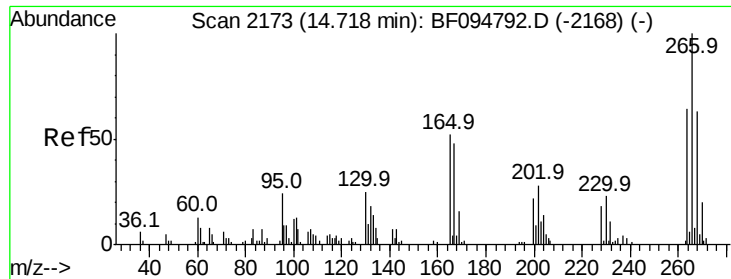
mohammad
5/25/2017 5:59:57 PM



#68
Atrazine
Concen: 43.95 ng
RT: 14.65 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	30.5	6.3	46.3	
215	46.4	27.2	67.2	





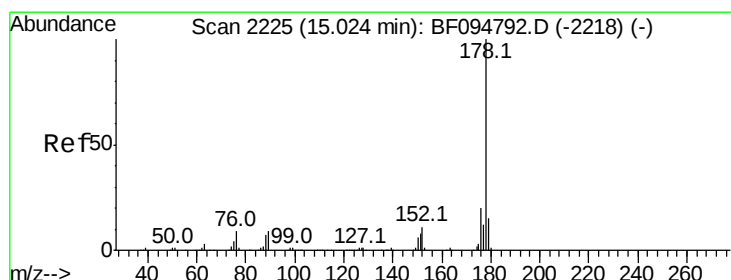
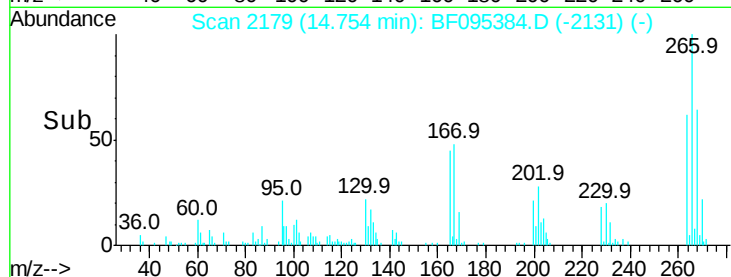
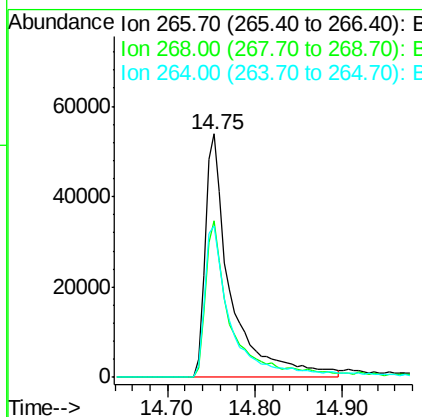
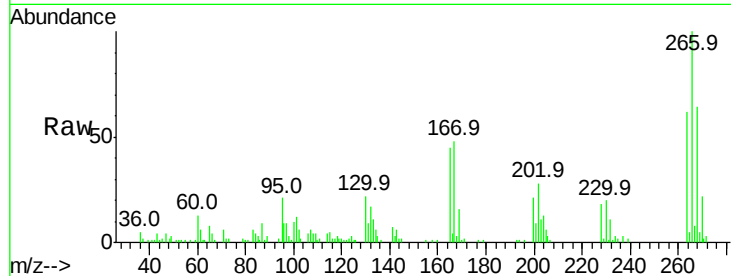
#69
 Pentachlorophenol
 Concen: 67.41 ng
 RT: 14.75 min Scan# 2179
 Delta R.T. -0.02 min
 Lab File: BF095384.D
 Acq: 24 May 2017 12:32

Instrument :
 BNA_F
 ClientSampleId :
 PB99217BS

Tot Ion	Ratio	Resp	Lower	Upper
266	100	108924		
268	64.3		51.1	76.7
264	62.3		51.7	77.5

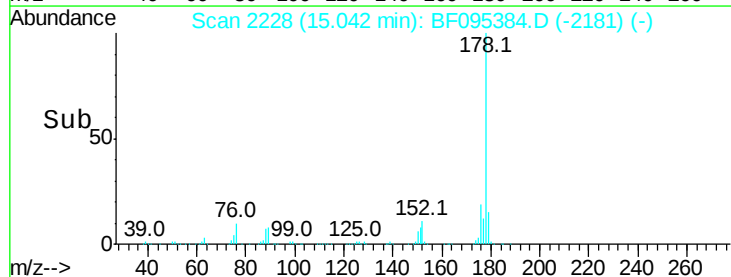
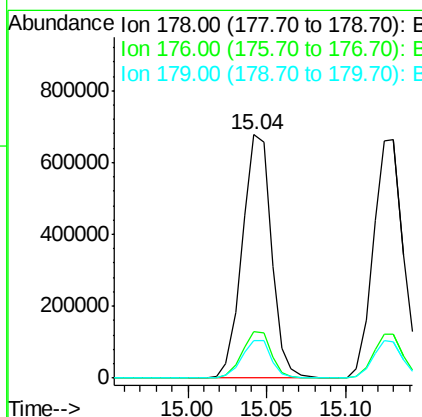
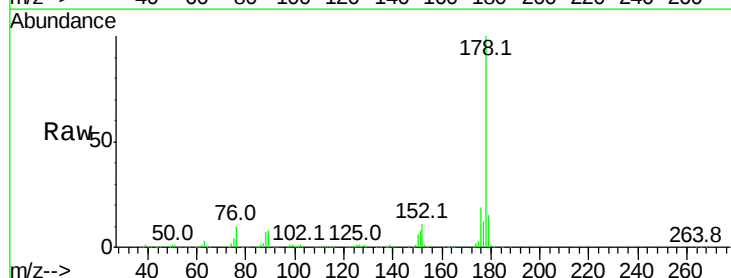
Manual Integrations
 APPROVED

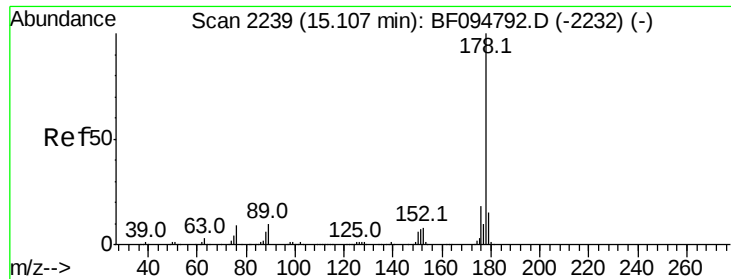
mohammad
 5/25/2017 5:59:57 PM



#70
 Phenanthrene
 Concen: 45.09 ng
 RT: 15.04 min Scan# 2228
 Delta R.T. -0.02 min
 Lab File: BF095384.D
 Acq: 24 May 2017 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	867983		
176	19.1		16.2	24.4
179	15.3		12.6	19.0





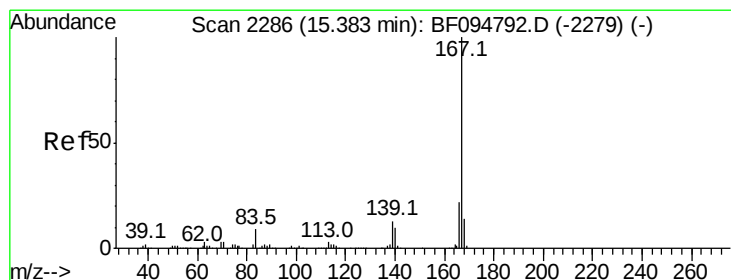
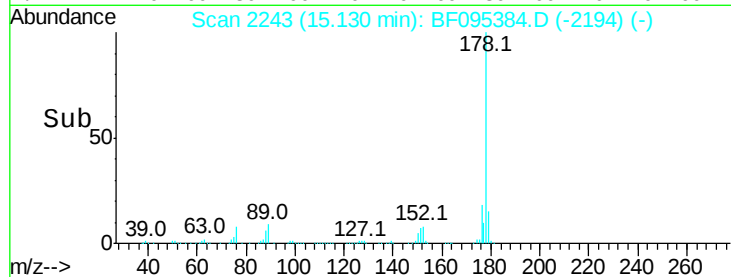
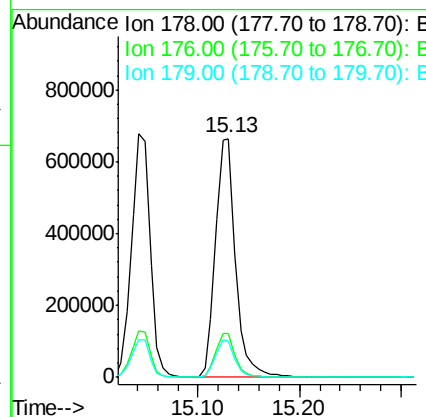
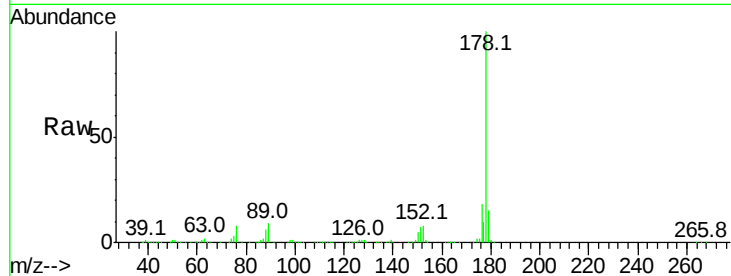
#71
 Anthracene
 Concen: 46.42 ng
 RT: 15.13 min Scan# 2243
 Delta R.T. -0.01 min
 Lab File: BF095384.D
 Acq: 24 May 2017 12:32

Instrument :
 BNA_F
 ClientSampleId :
 PB99217BS

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	15.3	12.7	19.1

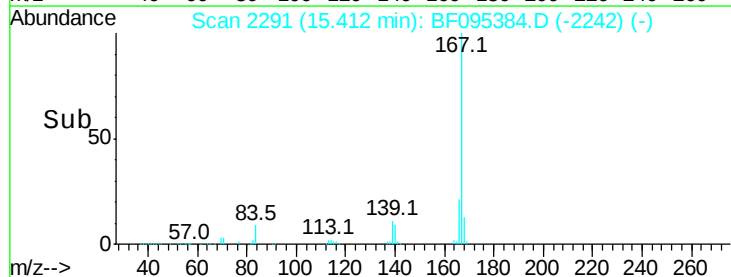
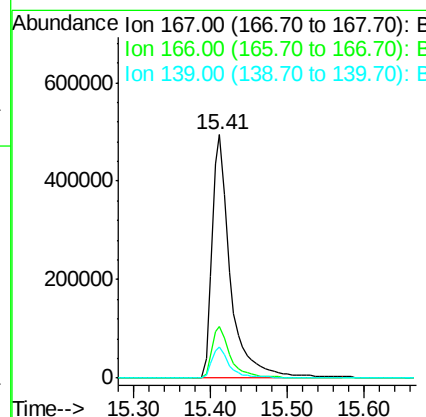
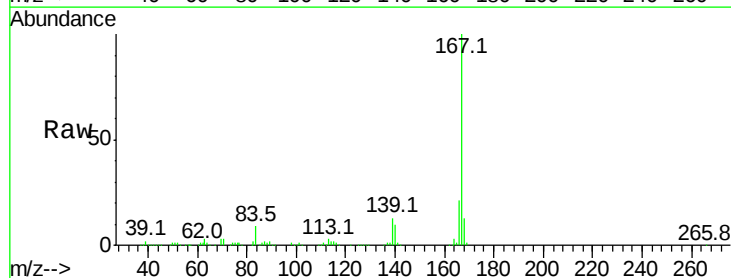
Manual Integrations
 APPROVED

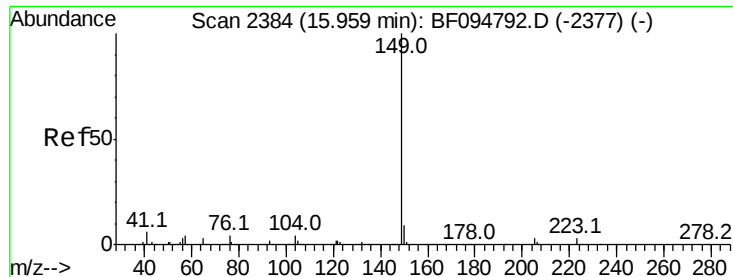
mohammad
 5/25/2017 5:59:57 PM



#72
 Carbazole
 Concen: 45.45 ng
 RT: 15.41 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BF095384.D
 Acq: 24 May 2017 12:32

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	18.1	27.1
139	12.6	11.7	17.5





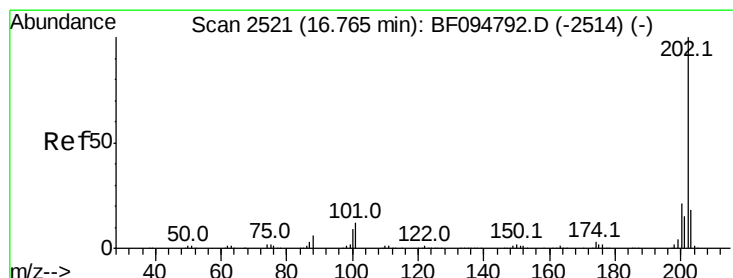
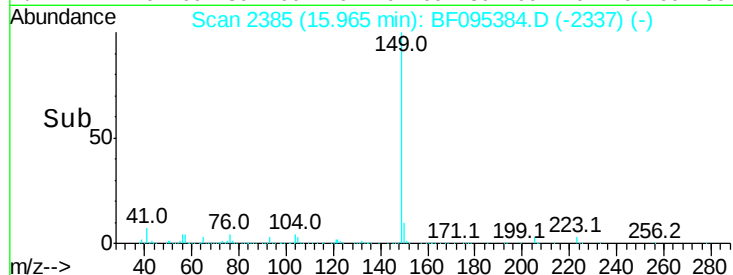
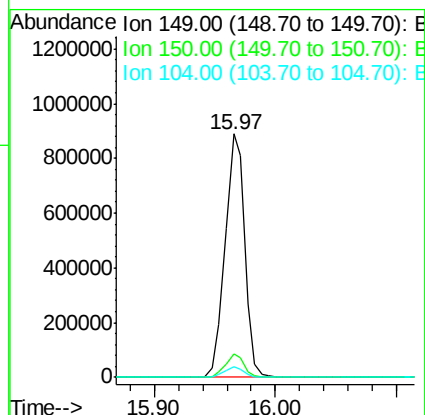
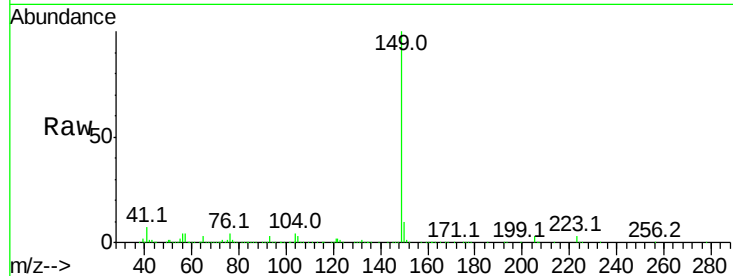
#73
Di-n-butylphthalate
Concen: 44.60 ng
RT: 15.97 min Scan# 2385
Delta R.T. -0.02 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Instrument :
BNA_F
ClientSampleId :
PB99217BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
150	9.6	7.7	11.5	
104	4.3	4.0	6.0	

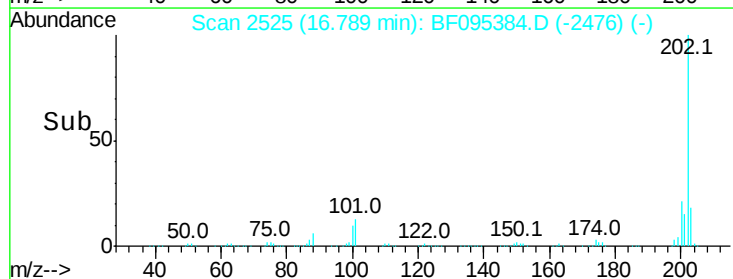
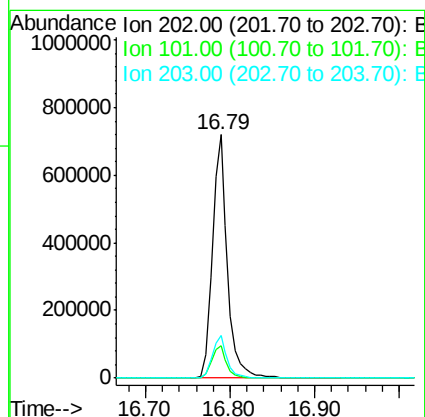
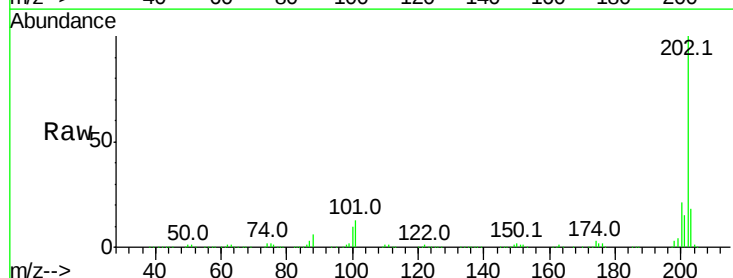
Manual Integrations
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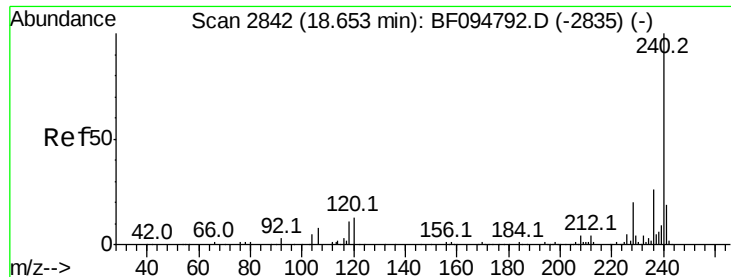
mohammad
5/25/2017 5:59:57 PM



#74
Fluoranthene
Concen: 45.37 ng
RT: 16.79 min Scan# 2525
Delta R.T. -0.01 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	13.2	0.0	33.2	
203	17.7	0.0	38.1	





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.68 min Scan# 2846

Delta R.T. -0.02 min

Lab File: BF095384.D

Acq: 24 May 2017 12:32

Instrument :

BNA_F

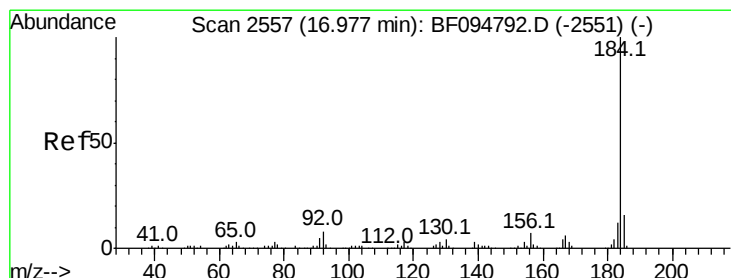
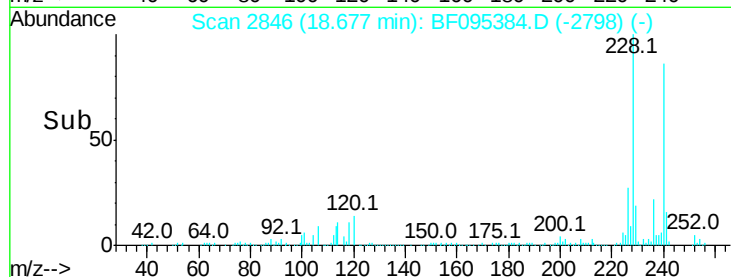
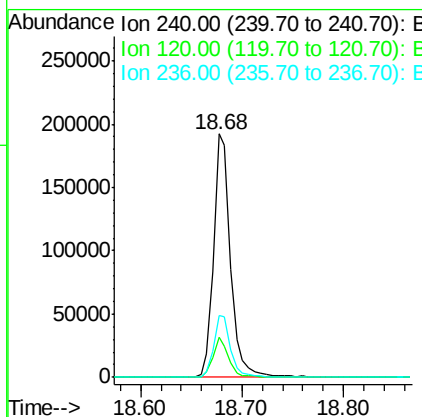
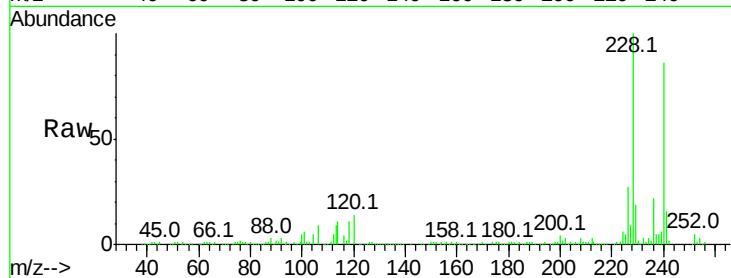
ClientSampleId :

PB99217BS

Tot Ion	Ratio	Lower	Upper
240	100		
120	16.4	5.8	8.8#
236	25.2	20.5	30.7

Manual Integrations
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#76

Benzidine

Concen: 39.75 ng

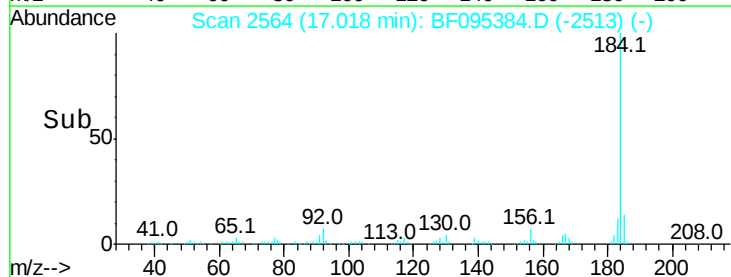
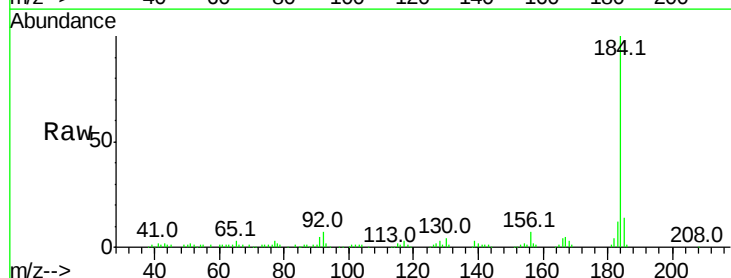
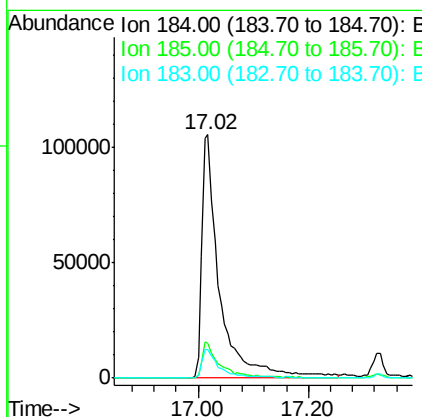
RT: 17.02 min Scan# 2564

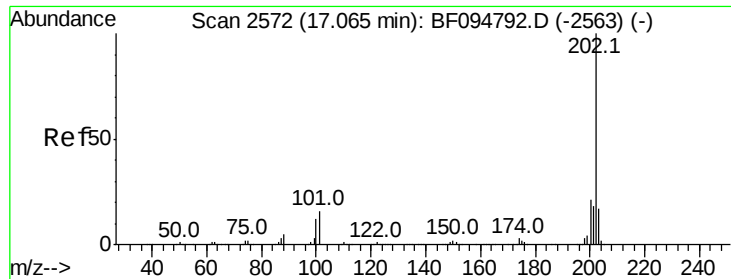
Delta R.T. 0.00 min

Lab File: BF095384.D

Acq: 24 May 2017 12:32

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.5	15.5	23.3#
183	11.8	9.8	14.6





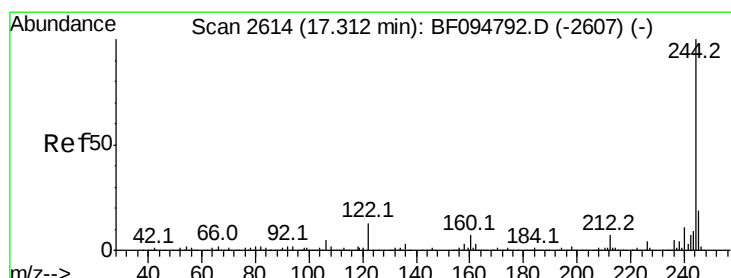
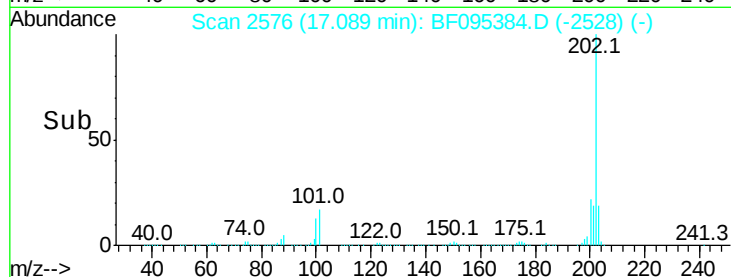
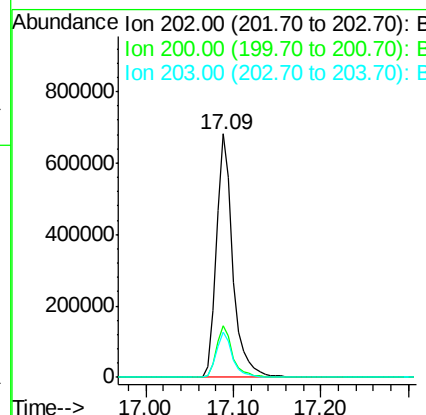
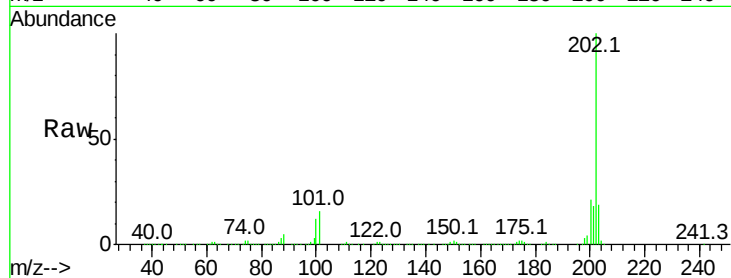
#77
Pvrene
Concen: 52.97 ng
RT: 17.09 min Scan# 2576
Delta R.T. -0.02 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Instrument :
BNA_F
ClientSampleId :
PB99217BS

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	18.7	14.4	21.6

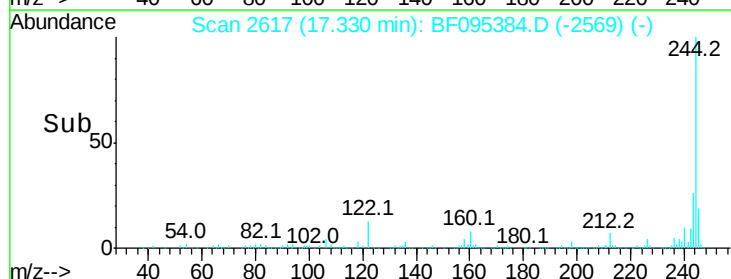
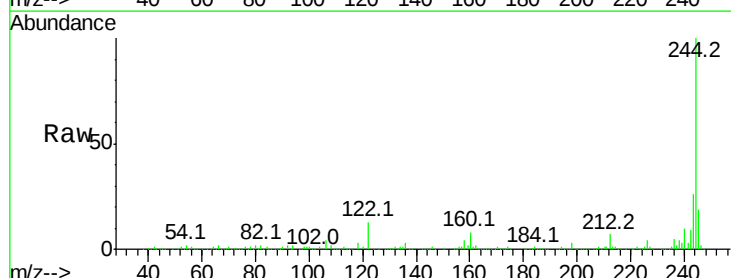
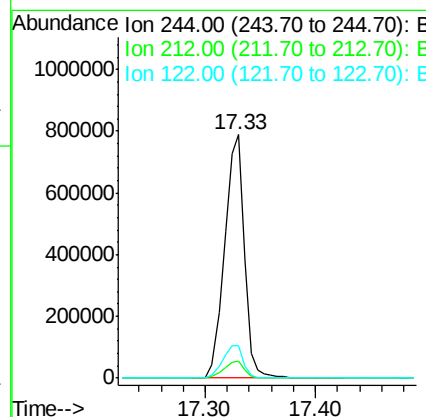
Manual Integrations
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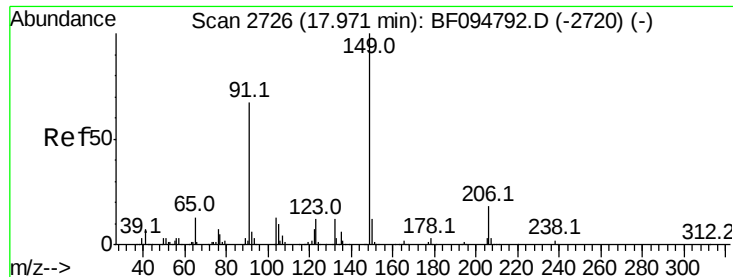
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#78
Terphenyl-d14
Concen: 96.28 ng
RT: 17.33 min Scan# 2617
Delta R.T. -0.02 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

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





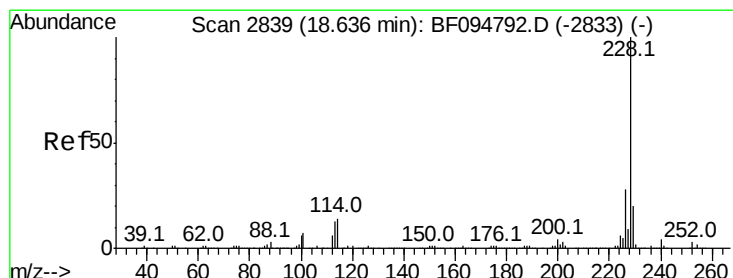
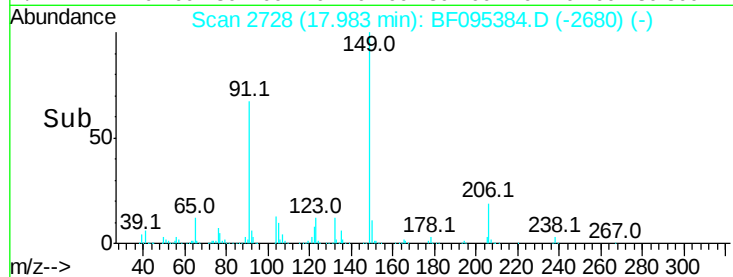
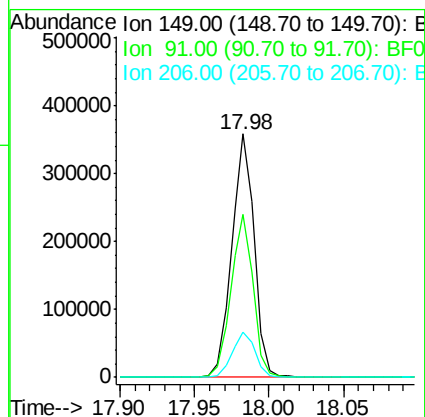
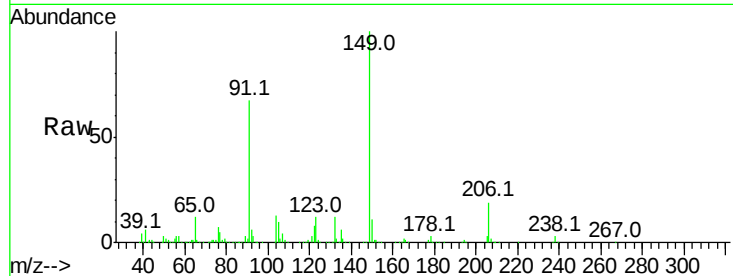
#79
Butylbenzylphthalate
Concen: 48.43 ng
RT: 17.98 min Scan# 2728
Delta R.T. -0.02 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Instrument :
BNA_F
ClientSampleId :
PB99217BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	378761		
91	67.1	45.0	67.4	
206	18.7	17.0	25.6	

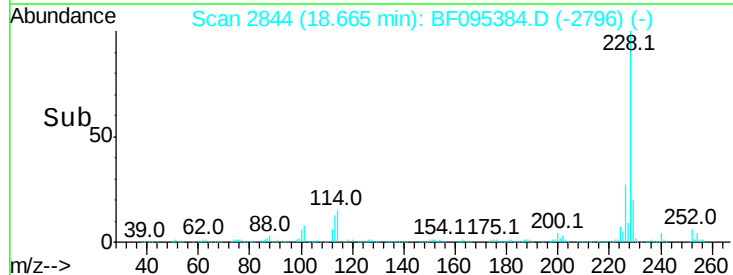
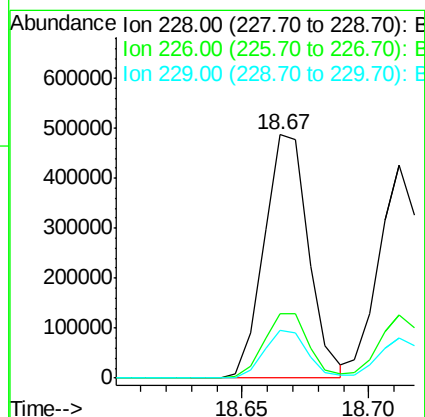
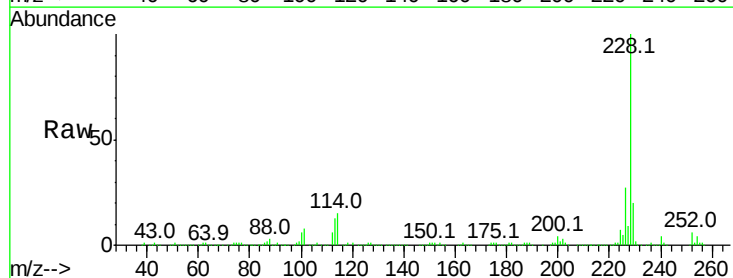
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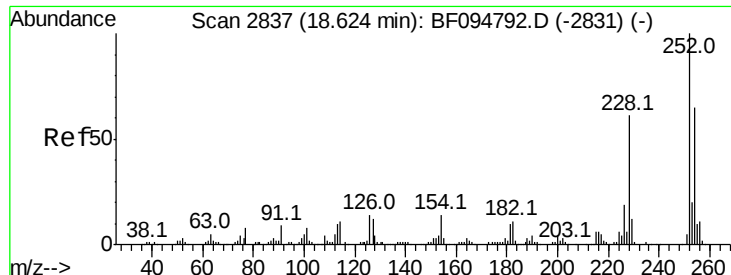
mohammad
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#80
Benzo(a)anthracene
Concen: 45.18 ng
RT: 18.67 min Scan# 2844
Delta R.T. -0.02 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	591115		
226	26.5	22.6	33.8	
229	19.9	16.3	24.5	





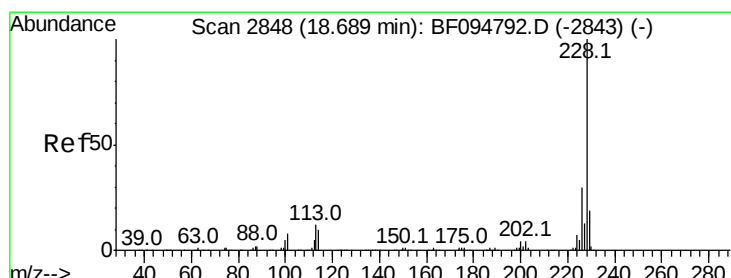
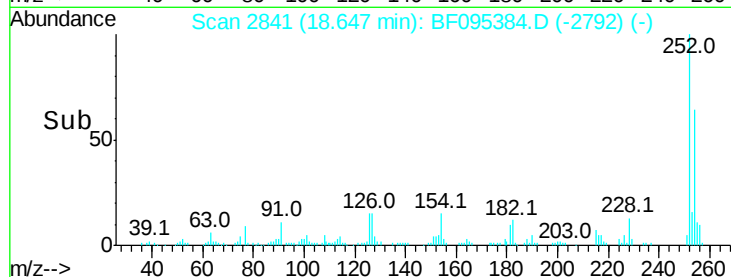
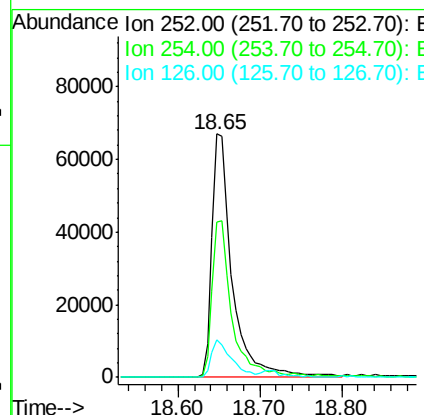
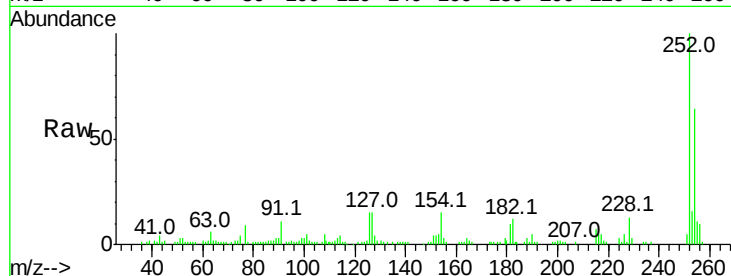
#81
 3,3'-Dichlorobenzidine
 Concen: 25.69 ng
 RT: 18.65 min Scan# 2841
 Delta R.T. -0.01 min
 Lab File: BF095384.D
 Acq: 24 May 2017 12:32

Instrument :
 BNA_F
 ClientSampleId :
 PB99217BS

Tot Ion	Ratio	Resp	Lower	Upper
252	100	116078		
254	63.9	51.5	77.3	
126	15.3	15.8	23.8	

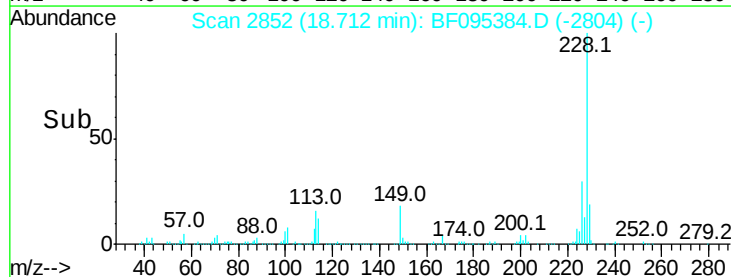
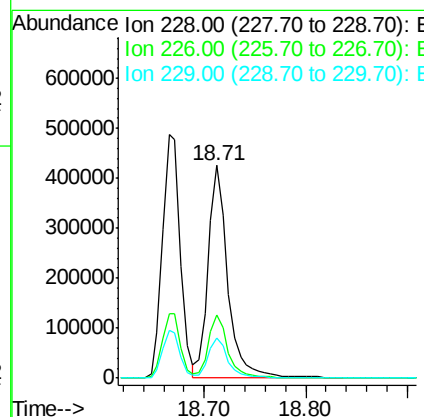
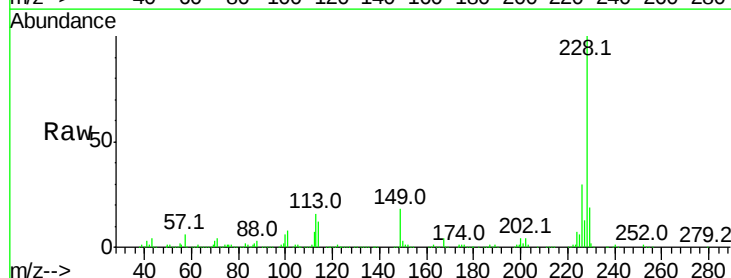
Manual Integrations
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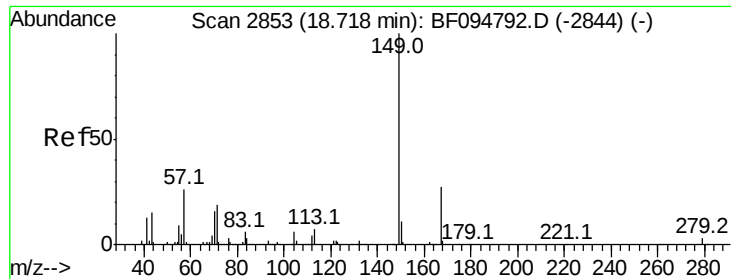
mohammad
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#82
 Chrysene
 Concen: 45.14 ng
 RT: 18.71 min Scan# 2852
 Delta R.T. -0.02 min
 Lab File: BF095384.D
 Acq: 24 May 2017 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	571112		
226	29.6	24.9	37.3	
229	18.9	15.8	23.6	





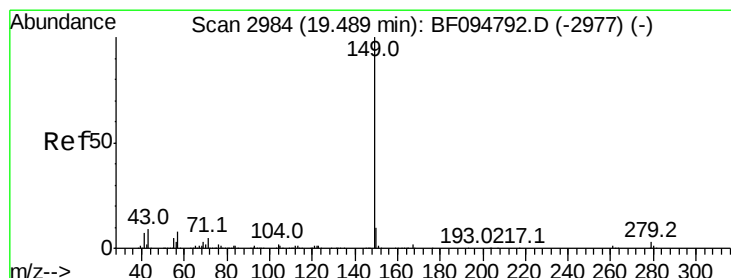
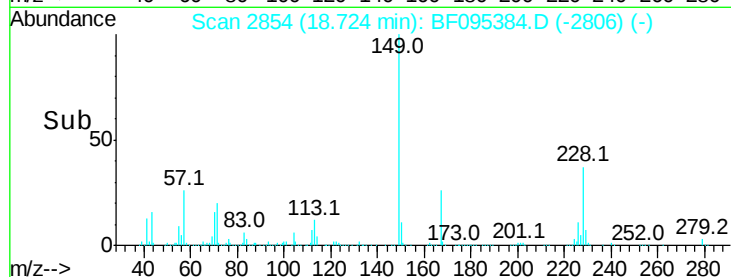
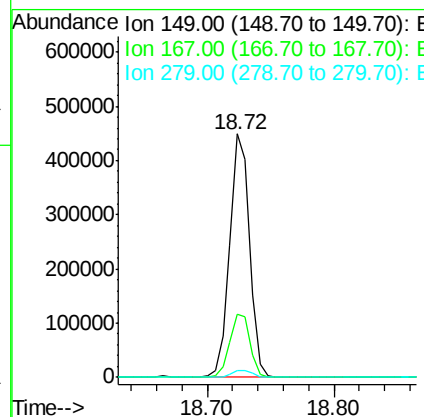
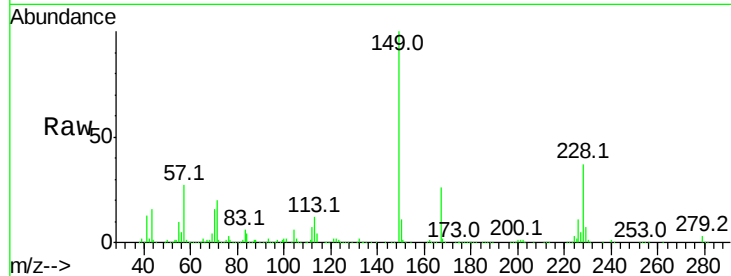
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 43.52 ng
 RT: 18.72 min Scan# 2854
 Delta R.T. -0.02 min
 Lab File: BF095384.D
 Acq: 24 May 2017 12:32

Instrument :
 BNA_F
 ClientSampleId :
 PB99217BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	25.9	21.0	31.4	
279	3.0	1.9	2.9	

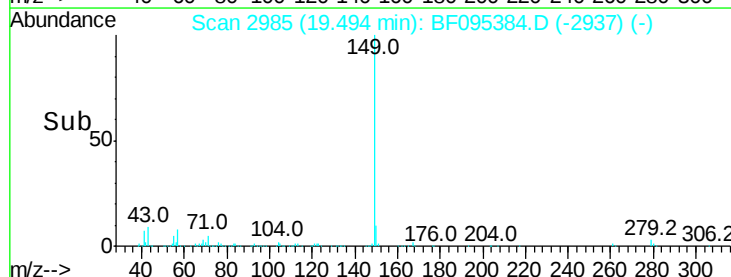
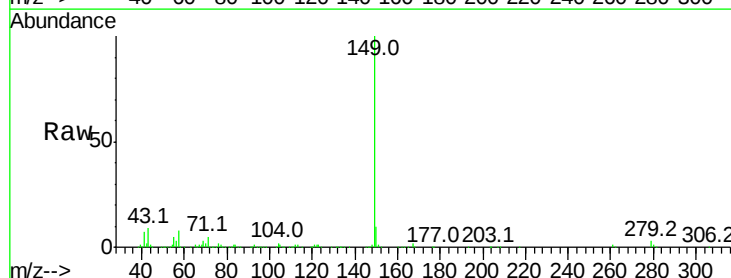
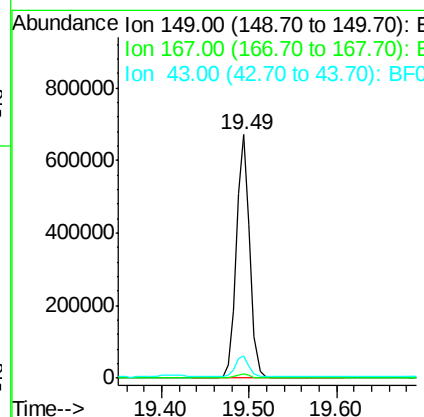
Manual Integrations
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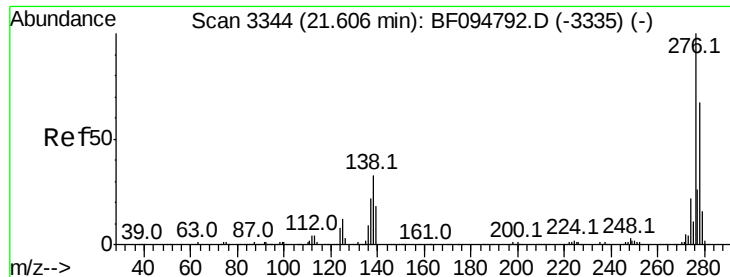
mohammad
 5/25/2017 5:59:57 PM



#84
 Di-n-octyl phthalate
 Concen: 38.33 ng
 RT: 19.49 min Scan# 2985
 Delta R.T. -0.02 min
 Lab File: BF095384.D
 Acq: 24 May 2017 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
167	1.7	1.2	1.8	
43	8.7	8.5	12.7	





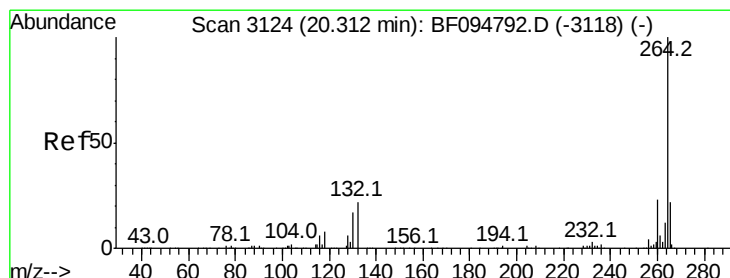
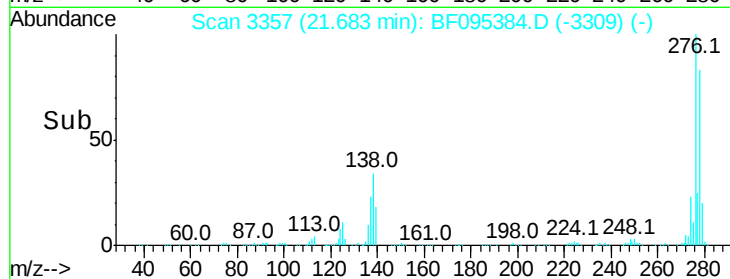
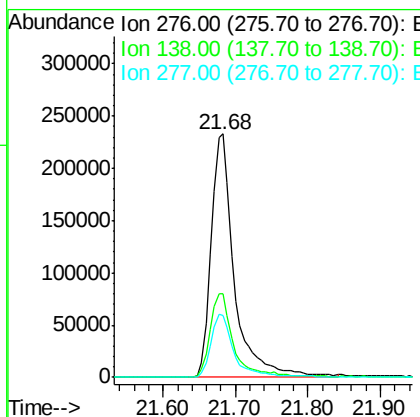
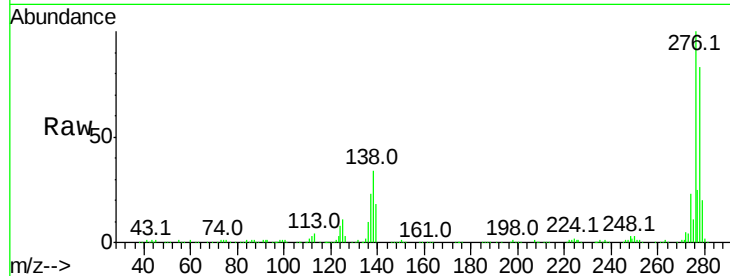
#85
Indeno(1,2,3-cd)pyrene
Concen: 50.58 ng
RT: 21.68 min Scan# 3357
Delta R.T. -0.02 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Instrument :
BNA_F
ClientSampleId :
PB99217BS

Tot Ion	Ratio	Lower	Upper
276	100		
138	35.2	27.8	41.6
277	26.0	20.2	30.4

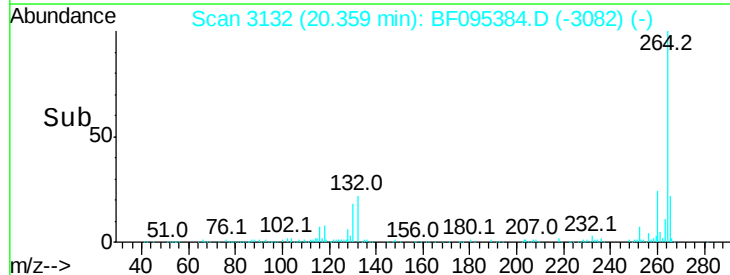
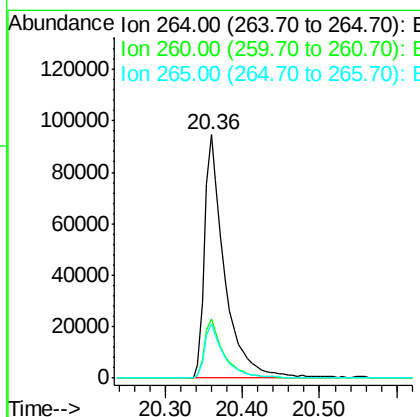
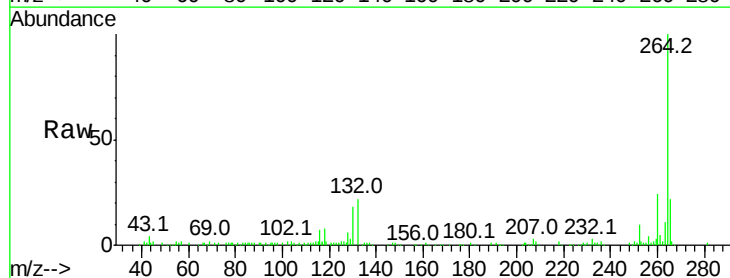
Manual Integrations
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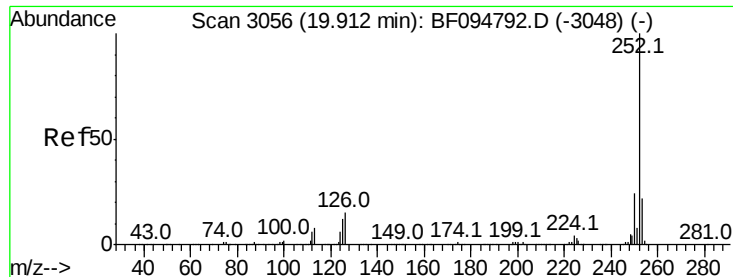
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.5	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 40.70 ng

RT: 19.94 min Scan# 3061

Delta R.T. -0.02 min

Lab File: BF095384.D

Acq: 24 May 2017 12:32

Instrument :

BNA_F

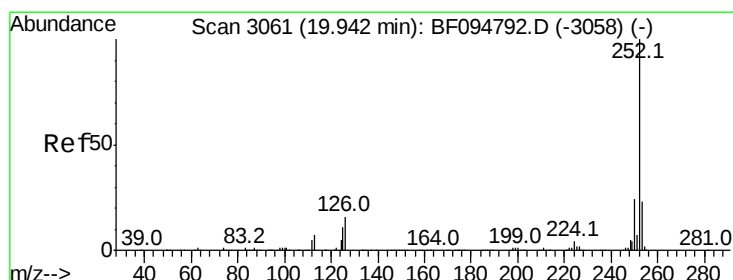
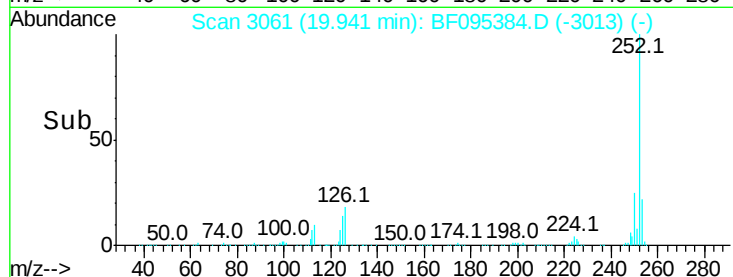
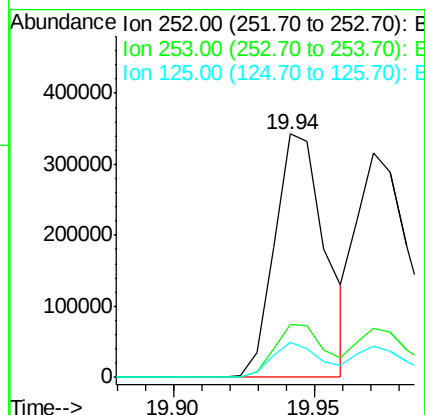
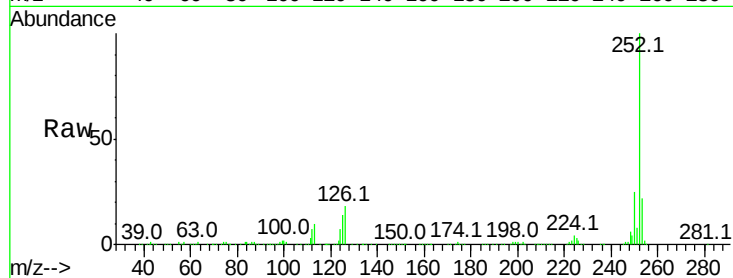
ClientSampleId :

PB99217BS

Tot Ion:	252	Resp:	425987
Ion Ratio	Lower	Upper	
252	100		
253	21.9	18.1	27.1
125	14.2	9.8	14.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 46.98 ng

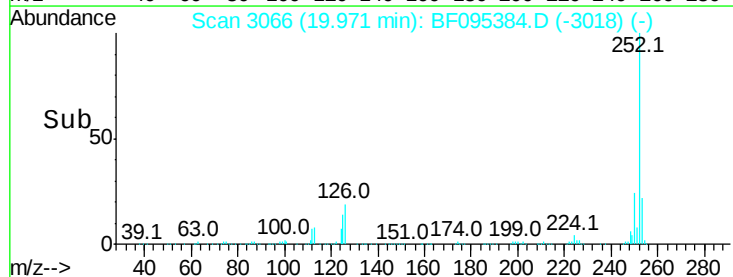
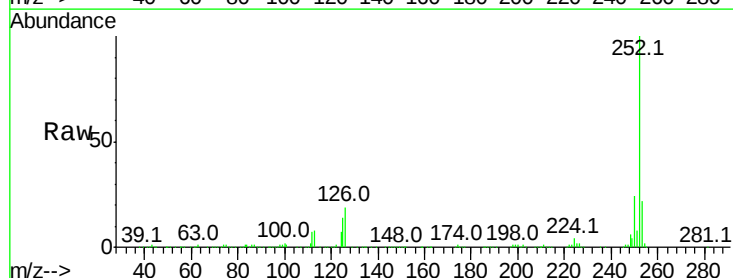
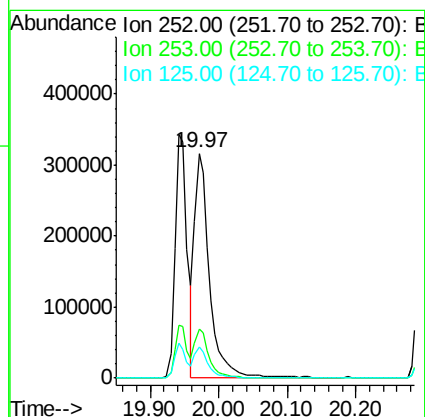
RT: 19.97 min Scan# 3066

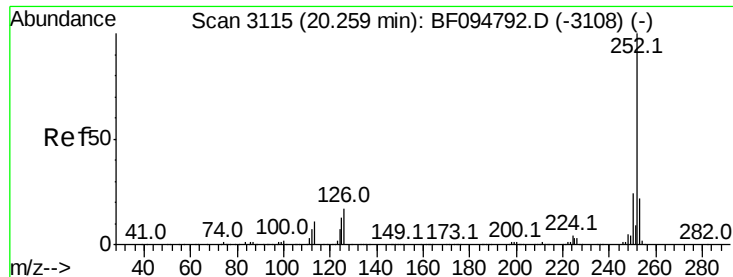
Delta R.T. -0.02 min

Lab File: BF095384.D

Acq: 24 May 2017 12:32

Tgt Ion:	252	Resp:	474259
Ion Ratio	Lower	Upper	
252	100		
253	21.7	18.4	27.6
125	13.6	13.1	19.7





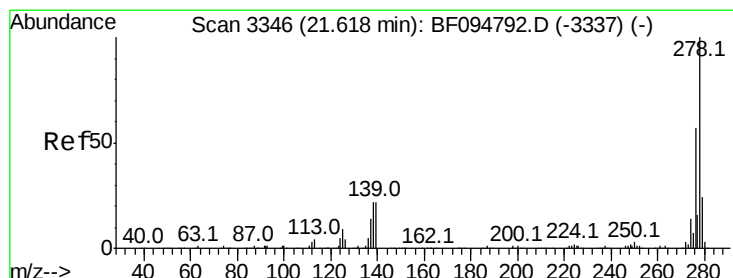
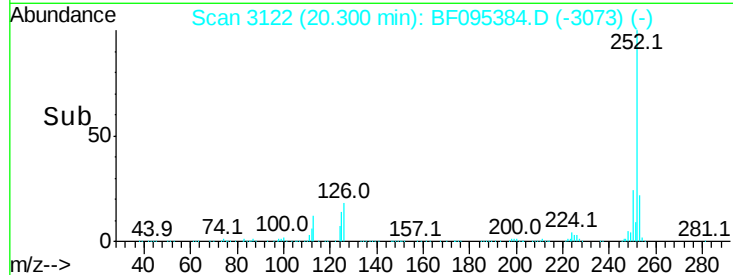
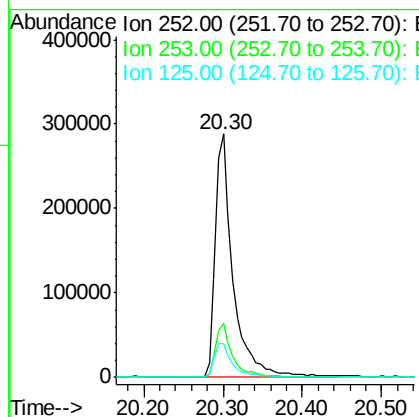
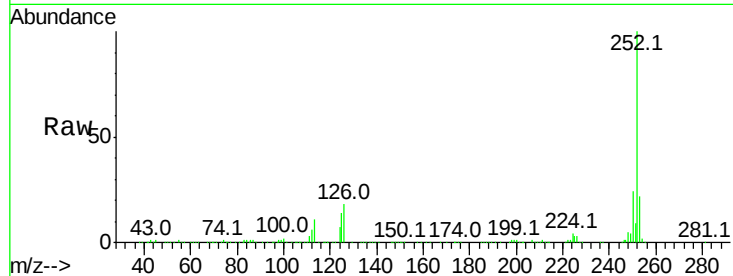
#89
Benzo(a)pyrene
Concen: 45.75 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Instrument :
BNA_F
ClientSampleId :
PB99217BS

Tot Ion:	252	Resp:	441877
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.5	26.3
125	13.9	11.0	16.4

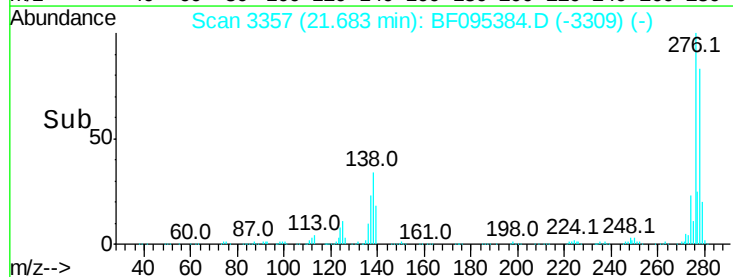
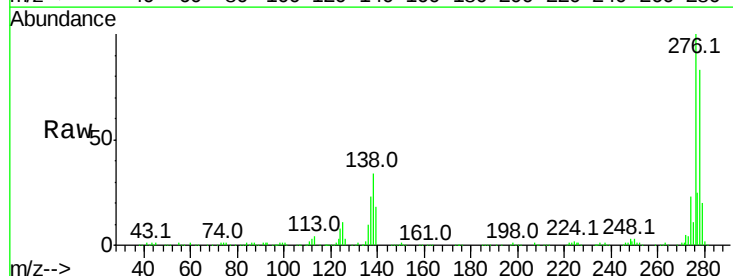
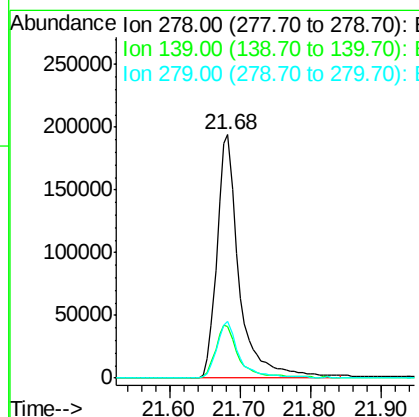
Manual Integrations
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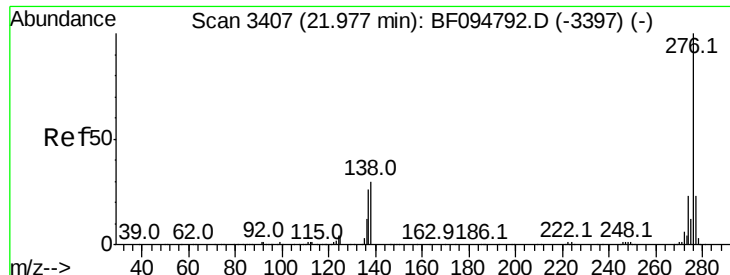
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 53.58 ng
RT: 21.68 min Scan# 3357
Delta R.T. -0.02 min
Lab File: BF095384.D
Acq: 24 May 2017 12:32

Tgt Ion:	278	Resp:	427375
Ion Ratio	Lower	Upper	
278	100		
139	21.2	16.6	24.8
279	23.4	19.3	28.9





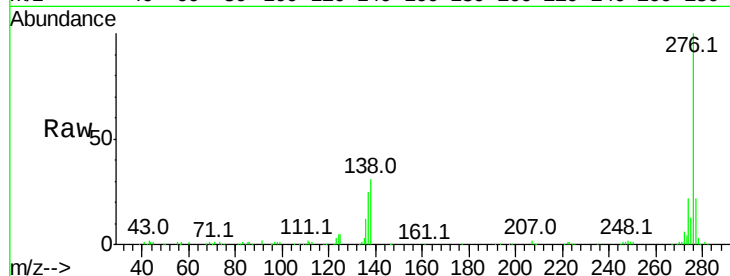
#91
 Benzo(a,h,i)perylene
 Concen: 58.37 ng
 RT: 22.06 min Scan# 3422
 Delta R.T. -0.02 min
 Lab File: BF095384.D
 Acq: 24 May 2017 12:32

Instrument :
 BNA_F
 ClientSampleId :
 PB99217BS

Tot Ion:	276	Resp:	456853
Ion Ratio	Lower	Upper	
276	100		
277	22.2	18.6	28.0
138	30.8	25.4	38.0

Manual Integrations
 APPROVED

mohammad
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

