

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071417\
 Data File : BF096772.D
 Acq On : 14 Jul 2017 13:36
 Operator : SJ/JU
 Sample : I4159-05MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WEST-GAS-SIDEWALLMSD

Manual Integrations
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mohammad
 7/17/2017 3:56:19 PM

Quant Time: Jul 14 18:14:09 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	116941	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	478443	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	211384	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	310737	20.00	ng	0.00
75) Chrysene-d12	13.78	240	199752	20.00	ng	0.00
86) Perylene-d12	15.16	264	222853	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.25	112	754303	96.99	ng	0.02
7) Phenol-d6	6.29	99	975190	104.49	ng	0.00
23) Nitrobenzene-d5	7.20	82	564944	73.14	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	169580	93.98	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	980891	73.31	ng	0.00
78) Terphenyl-d14	12.73	244	639750	55.54	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.30	88	114360	28.576	ng	# 75
3) Pyridine	2.97	79	291864	34.702	ng	# 59
4) n-Nitrosodimethylamine	2.91	42	171105	36.379	ng	# 80
6) Aniline	6.30	93	290715	25.287	ng	# 1
8) 2-Chlorophenol	6.43	128	297093	35.409	ng	# 99
9) Benzaldehyde	6.18	77	157908	29.272	ng	# 98
10) Phenol	6.30	94	378328	35.858	ng	# 79
11) bis(2-Chloroethyl)ether	6.38	93	288683	36.385	ng	# 93
12) 1,3-Dichlorobenzene	6.58	146	312459	35.034	ng	# 99
13) 1,4-Dichlorobenzene	6.66	146	312494	34.598	ng	# 96
14) 1,2-Dichlorobenzene	6.81	146	274928	33.466	ng	# 97
15) Benzyl Alcohol	6.79	79	236732	38.742	ng	# 98
16) 2,2'-oxybis(1-Chloropropan	6.92	45	576776	35.225	ng	# 92
17) 2-Methylphenol	6.90	107	225298	34.531	ng	# 97
18) Hexachloroethane	7.15	117	114112	35.630	ng	# 85
19) n-Nitroso-di-n-propylamine	7.06	70	196010	34.859	ng	# 83
20) 3+4-Methylphenols	7.06	107	288385	36.424	ng	# 83
22) Acetophenone	7.05	105	387060	36.196	ng	# 95
24) Nitrobenzene	7.22	77	270111	33.812	ng	# 91
25) Isophorone	7.46	82	539370	37.537	ng	# 95
26) 2-Nitrophenol	7.54	139	157686	35.499	ng	# 88
27) 2,4-Dimethylphenol	7.59	122	270402	37.003	ng	# 95
28) bis(2-Chloroethoxy)methane	7.67	93	370500	38.158	ng	# 99
29) 2,4-Dichlorophenol	7.79	162	228931	34.609	ng	# 99
30) 1,2,4-Trichlorobenzene	7.86	180	232513	36.969	ng	# 97
31) Naphthalene	7.94	128	854322	37.694	ng	# 99
33) 4-Chloroaniline	7.99	127	208749	23.246	ng	# 96
34) Hexachlorobutadiene	8.07	225	114095	33.982	ng	# 98
35) Caprolactam	8.35	113	75118m	35.441	ng	# 90
36) 4-Chloro-3-methylphenol	8.49	107	243074	34.175	ng	# 98
37) 2-Methylnaphthalene	8.63	142	565925	39.165	ng	# 99
39) 1,2,4,5-Tetrachlorobenzene	8.80	216	190909	33.410	ng	# 100
40) Hexachlorocyclopentadiene	8.79	237	116282	55.719	ng	# 99
42) 2,4,6-Trichlorophenol	8.92	196	144616	34.310	ng	# 99

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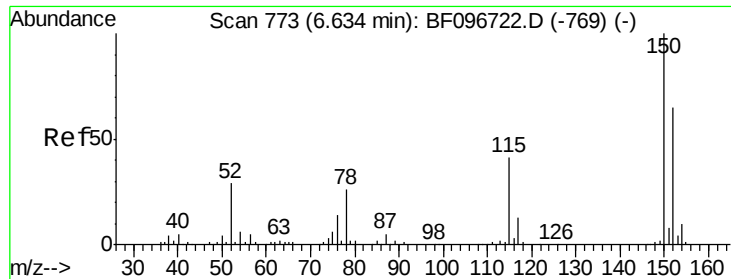
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	8.96	196	149924	35.268	ng	96
45) 1,1'-Biphenyl	9.10	154	590244	32.558	ng	98
46) 2-Chloronaphthalene	9.12	162	458891	34.375	ng	94
47) 2-Nitroaniline	9.22	65	175106	38.160	ng	91
48) Acenaphthylene	9.53	152	766862	36.053	ng	99
49) Dimethylphthalate	9.40	163	685614	43.076	ng	100
50) 2,6-Dinitrotoluene	9.46	165	127045	36.851	ng	93
51) Acenaphthene	9.70	154	437940	34.854	ng	99
52) 3-Nitroaniline	9.62	138	124413	30.463	ng	97
53) 2,4-Dinitrophenol	9.74	184	1255	7.414	ng #	88
54) Dibenzofuran	9.87	168	659543	37.457	ng	99
55) 4-Nitrophenol	9.80	139	177797	59.589	ng #	66
56) 2,4-Dinitrotoluene	9.86	165	156706	35.373	ng #	77
57) Fluorene	10.22	166	482134	37.054	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.00	232	94507	32.056	ng #	97
59) Diethylphthalate	10.10	149	547148	35.312	ng	99
60) 4-Chlorophenyl-phenylether	10.21	204	206770	36.464	ng	98
61) 4-Nitroaniline	10.23	138	137600	35.878	ng	90
62) Azobenzene	10.37	77	536167	39.224	ng	93
64) 4,6-Dinitro-2-methylphenol	10.27	198	10245	5.251	ng	80
65) n-Nitrosodiphenylamine	10.33	169	458765	41.302	ng	99
66) 4-Bromophenyl-phenylether	10.70	248	128494	40.502	ng	93
67) Hexachlorobenzene	10.77	284	132895	37.611	ng #	92
68) Atrazine	10.86	200	136944	43.274	ng	97
69) Pentachlorophenol	10.96	266	62972	36.891	ng	96
70) Phenanthrene	11.17	178	656809	38.874	ng	98
71) Anthracene	11.23	178	680307	39.824	ng	98
72) Carbazole	11.38	167	619399	37.442	ng	98
73) Di-n-butylphthalate	11.72	149	782160	37.964	ng	98
74) Fluoranthene	12.36	202	581889	35.981	ng	98
76) Benzidine	12.47	184	285890	43.688	ng #	92
77) Pyrene	12.58	202	585921	32.320	ng	99
79) Butylbenzylphthalate	13.21	149	290433	67.437	ng #	83
80) Benzo(a)anthracene	13.77	228	455662	36.611	ng	98
81) 3,3'-Dichlorobenzidine	13.73	252	125887	28.127	ng #	95
82) Chrysene	13.80	228	423279	34.546	ng	99
83) Bis(2-ethylhexyl)phthalate	13.77	149	365969	34.889	ng	99
84) Di-n-octyl phthalate	14.38	149	627227	36.174	ng #	94
85) Indeno(1,2,3-cd)pyrene	16.48	276	457196	40.032	ng	99
87) Benzo(b)fluoranthene	14.77	252	496290	36.925	ng	97
88) Benzo(k)fluoranthene	14.80	252	405769m	31.881	ng	
89) Benzo(a)pyrene	15.10	252	445548	36.143	ng #	97
90) Dibenzo(a,h)anthracene	16.49	278	367954	32.439	ng	98
91) Benzo(g,h,i)perylene	16.87	276	402987	33.177	ng	99

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



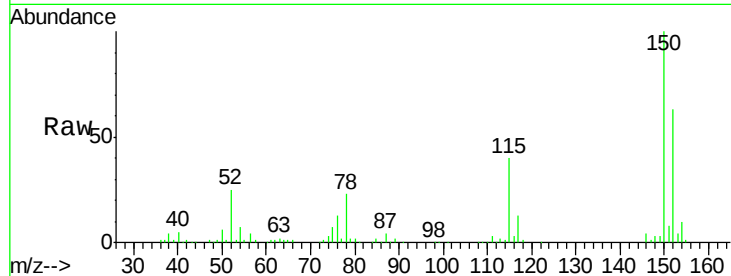
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.64 min Scan# 791
 Delta R.T. 0.01 min
 Lab File: BF096772.D
 Acq: 14 Jul 2017 13:36

Instrument :
 BNA_F
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 WEST-GAS-SIDEWALLMSD

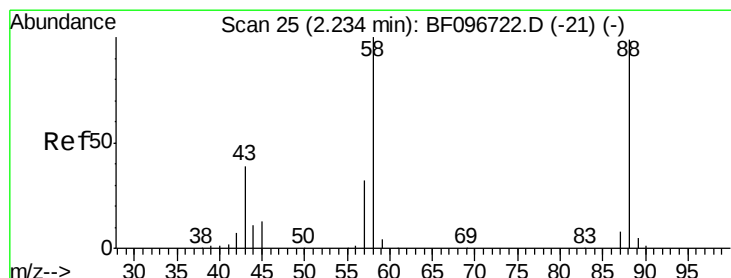
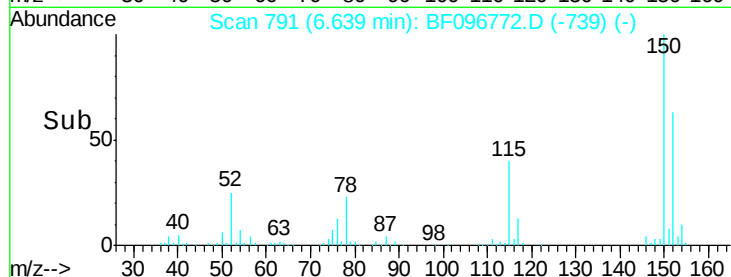
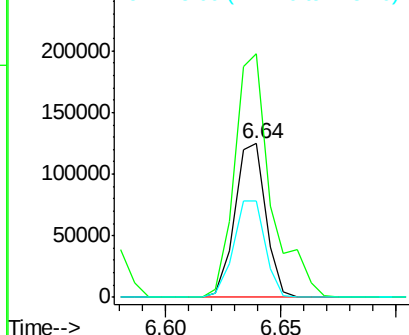
Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.7	126.2	189.2
115	63.0	52.2	78.2

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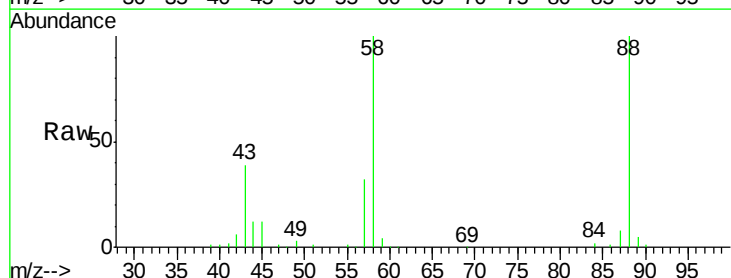


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

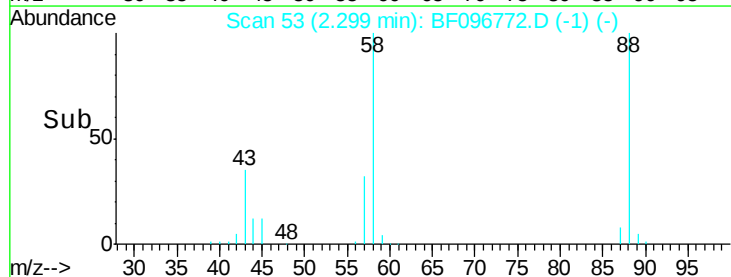
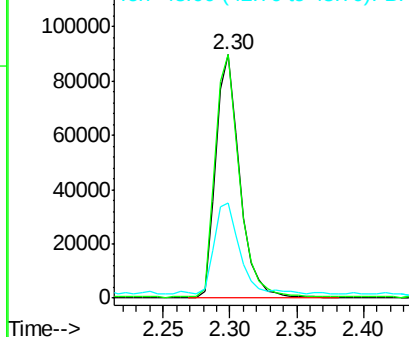


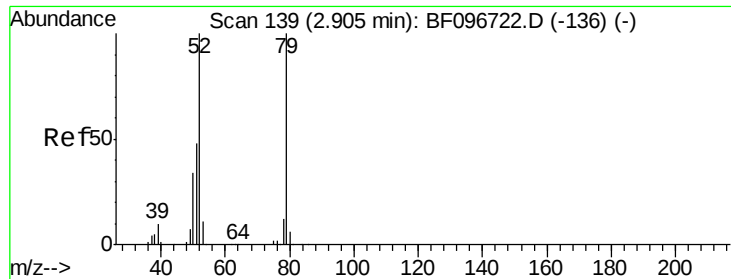
#2
 1,4-Dioxane
 Concen: 28.576 ng
 RT: 2.30 min Scan# 53
 Delta R.T. 0.06 min
 Lab File: BF096772.D
 Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Lower	Upper
88	100		
58	100.0	61.4	92.0#
43	40.5	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

Pyridine

Concen: 34.702 ng

RT: 2.97 min Scan# 167

Delta R.T. 0.06 min

Lab File: BF096772.D

Acq: 14 Jul 2017 13:36

Instrument :

BNA_F

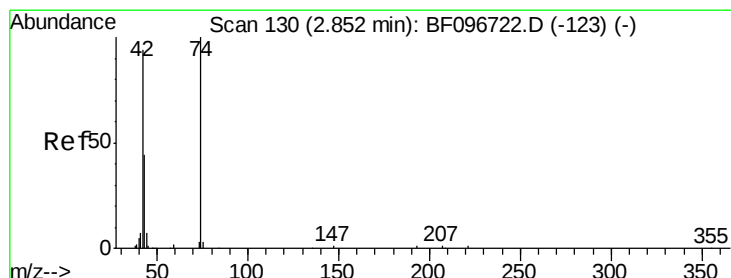
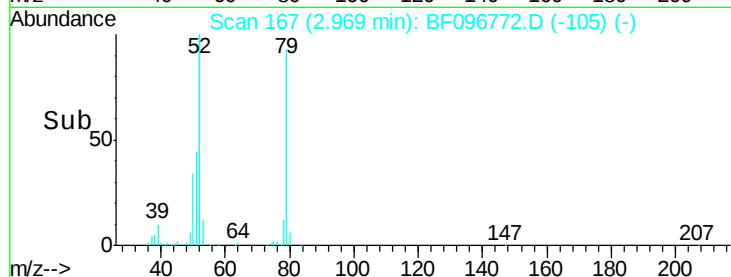
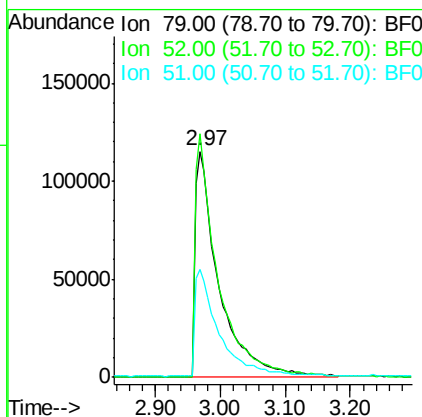
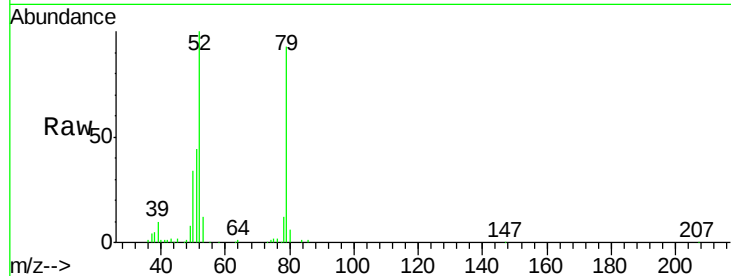
ClientSampleId :

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Tgt Ion:	79	Resp:	291864
Ion Ratio	Lower	Upper	
79	100		
52	107.8	54.8	82.2#
51	47.9	27.0	40.4#

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#4

n-Nitrosodimethylamine

Concen: 36.379 ng

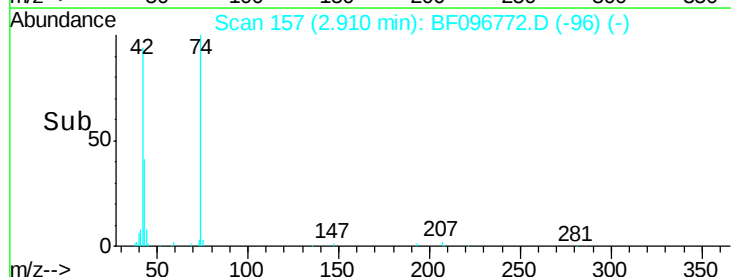
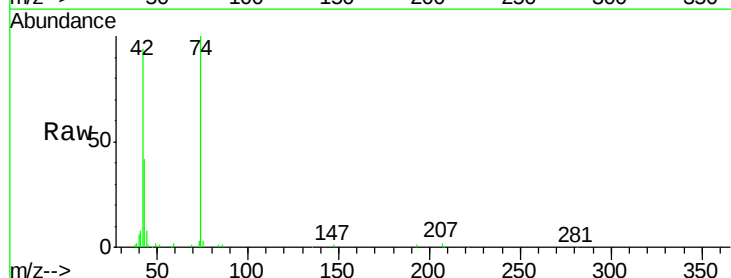
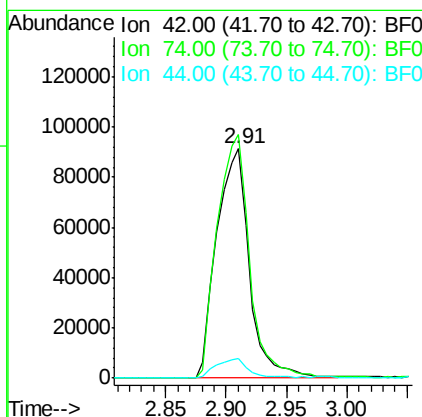
RT: 2.91 min Scan# 157

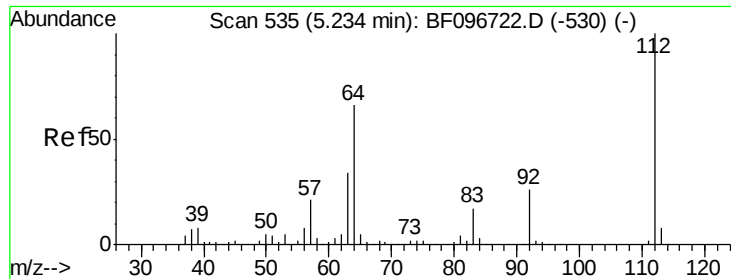
Delta R.T. 0.06 min

Lab File: BF096772.D

Acq: 14 Jul 2017 13:36

Tgt Ion:	42	Resp:	171105
Ion Ratio	Lower	Upper	
42	100		
74	106.1	103.9	155.9
44	8.5	5.7	8.5





#5

2-Fluorophenol

Concen: 96.985 ng

RT: 5.25 min Scan# 555

Delta R.T. 0.02 min

Lab File: BF096772.D

Acq: 14 Jul 2017 13:36

Instrument :

BNA_F

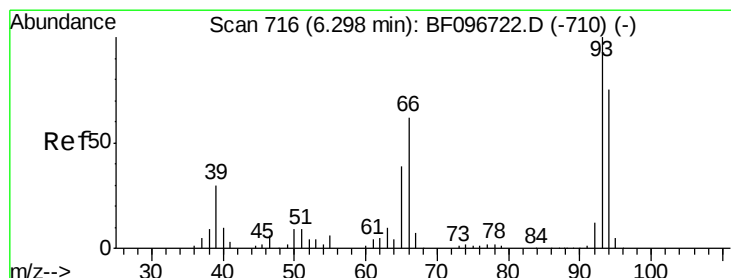
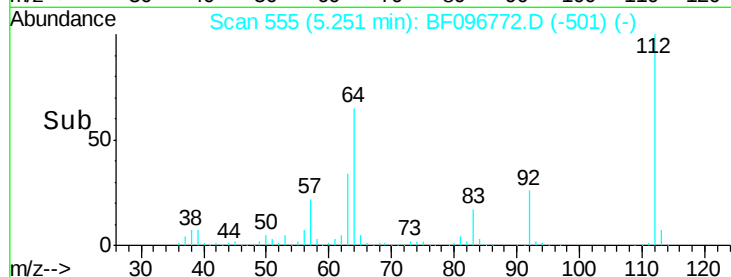
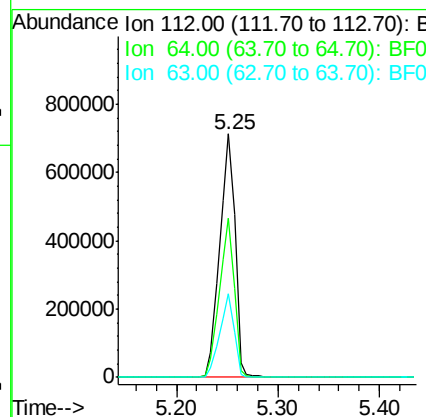
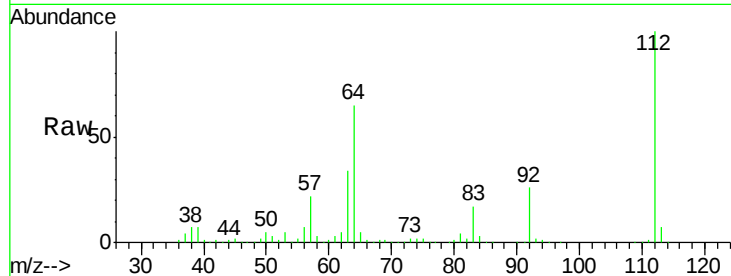
ClientSampleId :

WEST-GAS-SIDEWALLMSD

Tgt Ion:	112	Resp:	754303
Ion Ratio	Lower	Upper	
112	100		
64	65.4	46.0	69.0
63	34.2	23.4	35.0

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#6

Aniline

Concen: 25.287 ng

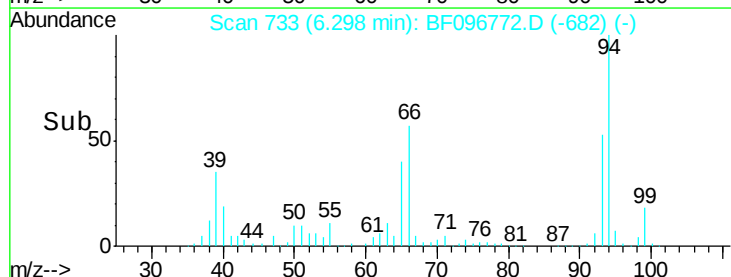
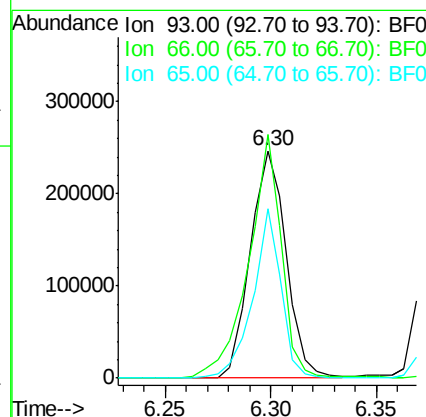
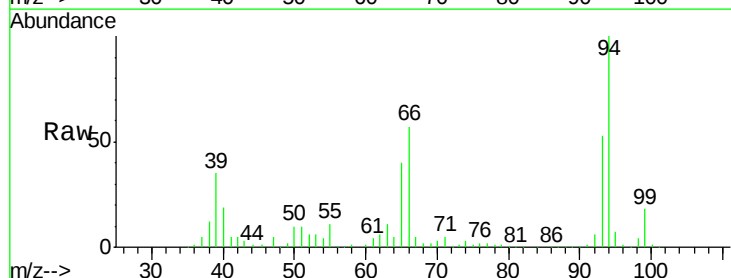
RT: 6.30 min Scan# 733

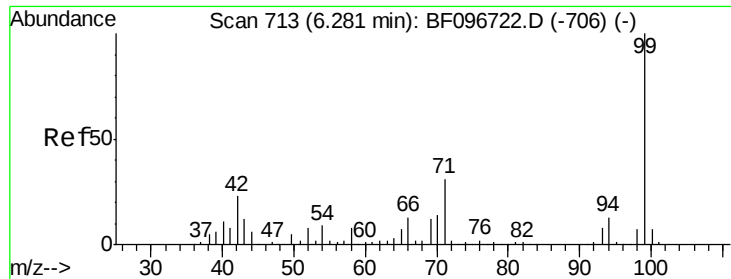
Delta R.T. -0.00 min

Lab File: BF096772.D

Acq: 14 Jul 2017 13:36

Tgt Ion:	93	Resp:	290715
Ion Ratio	Lower	Upper	
93	100		
66	107.2	32.9	49.3#
65	74.7	16.0	24.0#





#7

Phenol-d6

Concen: 104.486 ng

RT: 6.29 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF096772.D

Acq: 14 Jul 2017 13:36

Instrument :

BNA_F

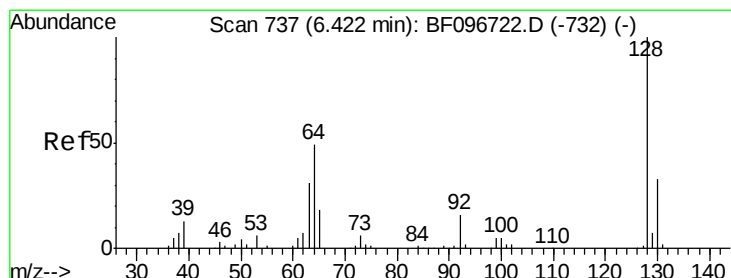
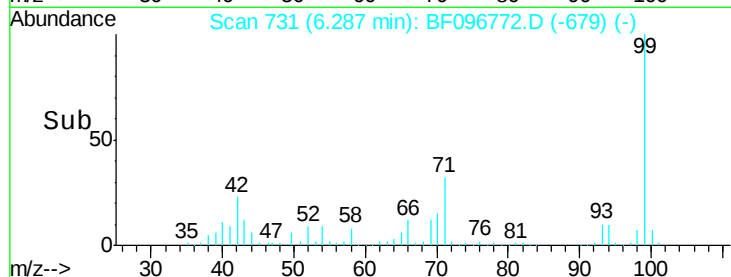
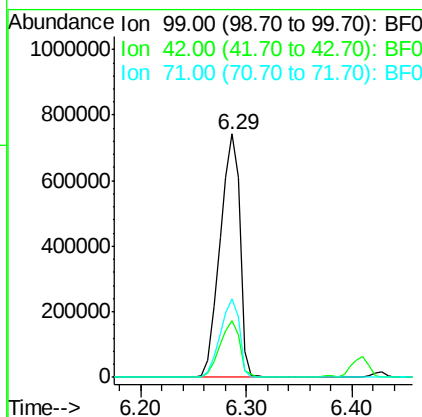
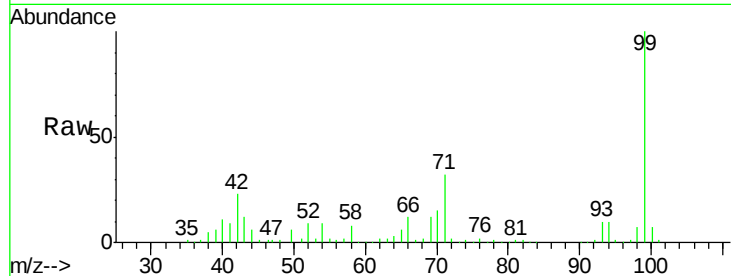
ClientSampleId :

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Tgt Ion:	99	Resp:	975190
Ion Ratio	Lower	Upper	
99	100		
42	23.1	13.5	20.3#
71	32.3	24.5	36.7

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#8

2-Chlorophenol

Concen: 35.409 ng

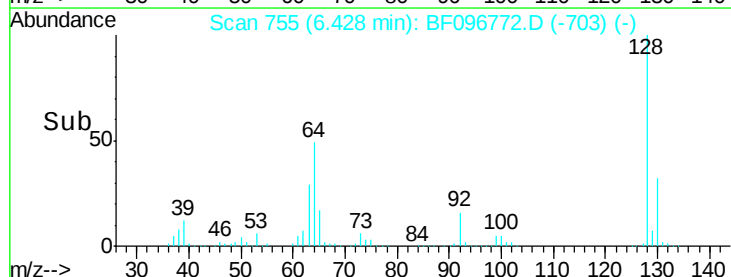
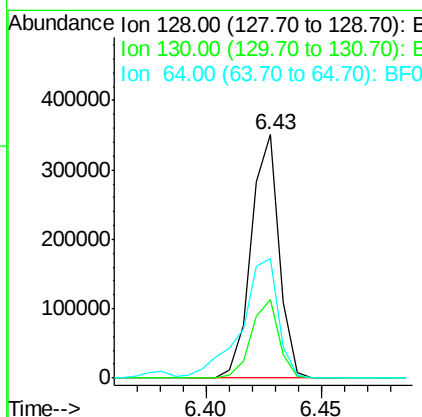
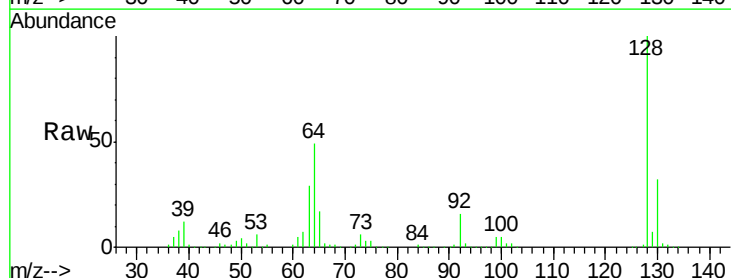
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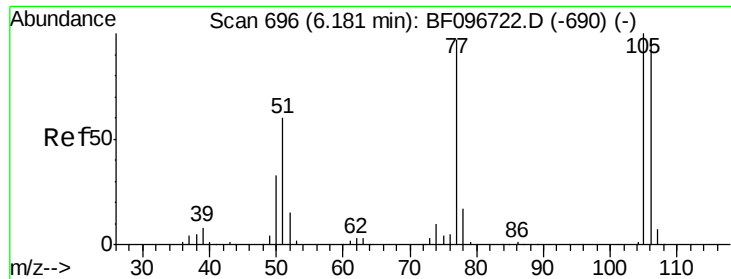
Delta R.T. 0.01 min

Lab File: BF096772.D

Acq: 14 Jul 2017 13:36

Tgt Ion:	128	Resp:	297093
Ion Ratio	Lower	Upper	
128	100		
130	32.4	12.9	52.9
64	49.1	28.4	68.4





#9

Benzaldehyde

Concen: 29.272 ng

RT: 6.18 min Scan# 713

Delta R.T. -0.00 min

Lab File: BF096772.D

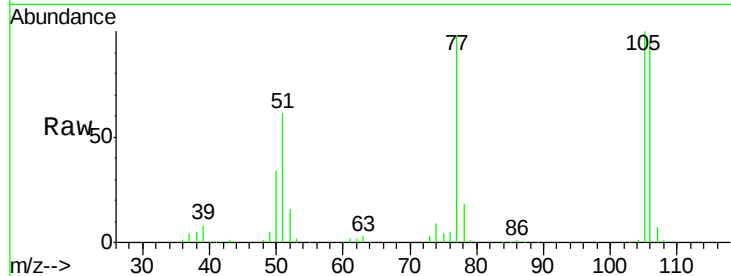
Acq: 14 Jul 2017 13:36

Instrument :

BNA_F

ClientSampleId :

WEST-GAS-SIDEWALLMSD



Tgt Ion: 77 Resp: 157908

Ion Ratio Lower Upper

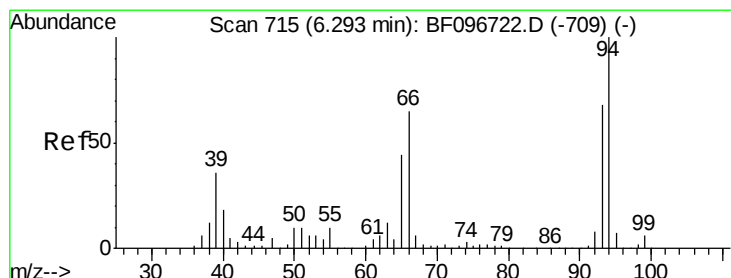
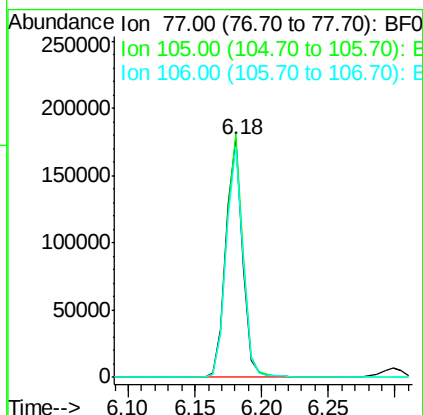
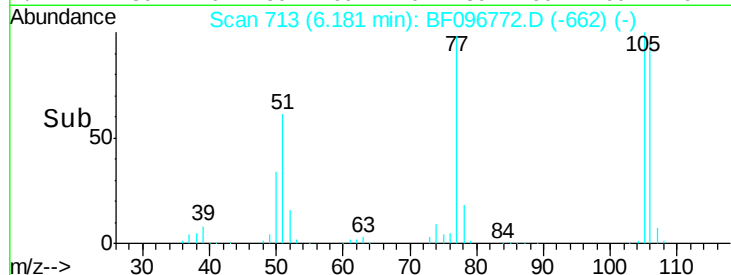
77 100

105 102.3 83.8 123.8

106 97.1 79.1 119.1

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#10

Phenol

Concen: 35.858 ng

RT: 6.30 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF096772.D

Acq: 14 Jul 2017 13:36

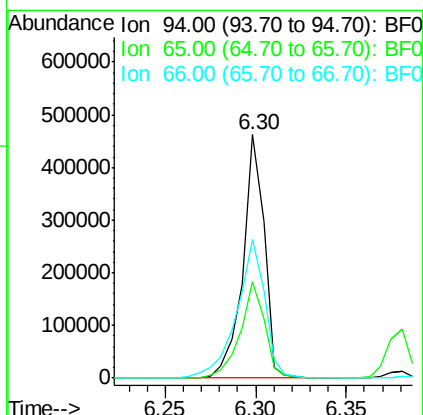
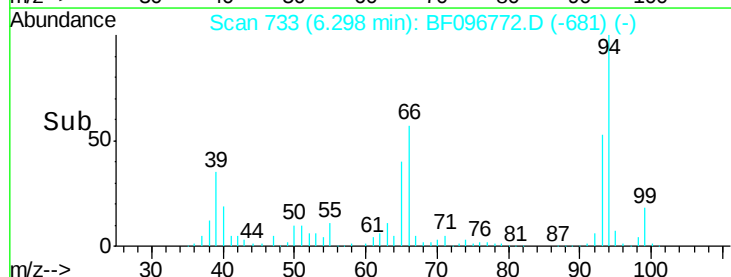
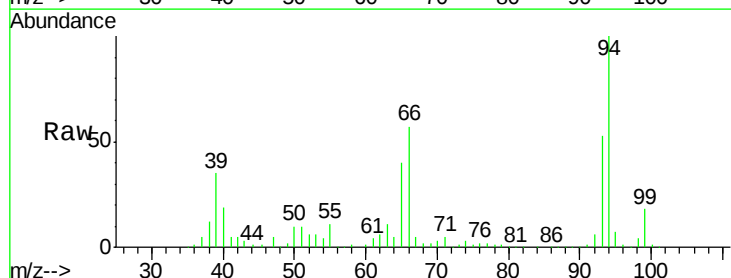
Tgt Ion: 94 Resp: 378328

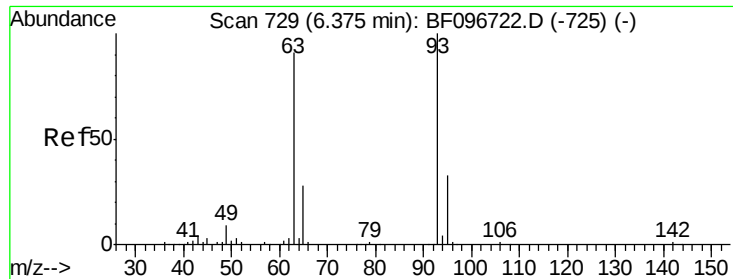
Ion Ratio Lower Upper

94 100

65 39.8 9.9 49.9

66 57.2 23.1 63.1





#11

bis(2-Chloroethyl)ether

Concen: 36.385 ng

RT: 6.38 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF096772.D

Acq: 14 Jul 2017 13:36

Instrument :

BNA_F

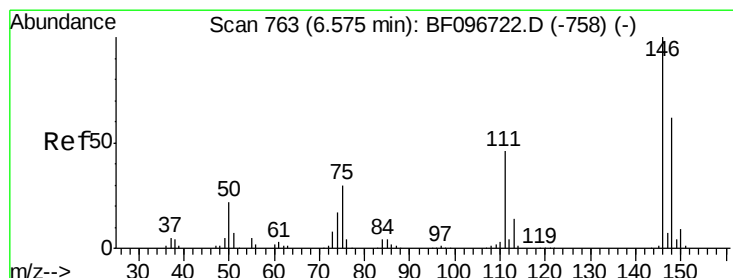
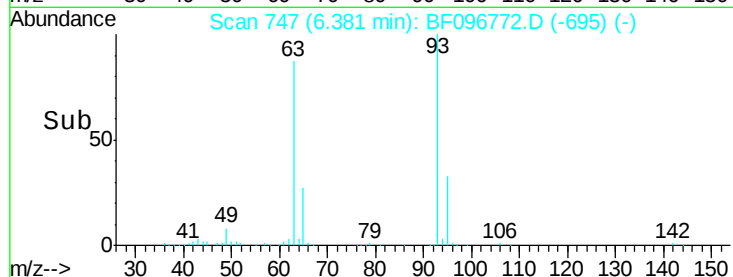
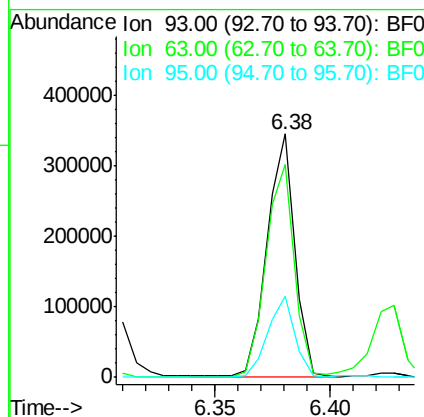
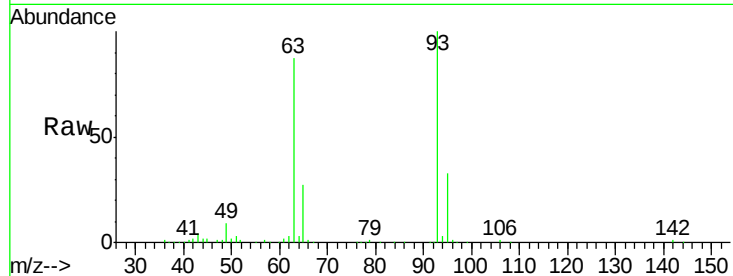
ClientSampleId :

WEST-GAS-SIDEWALLMSD

Tgt Ion:	93	Resp:	288683
Ion Ratio	Lower	Upper	
93	100		
63	87.5	59.2	99.2
95	33.4	12.8	52.8

Manual Integrations
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#12

1,3-Dichlorobenzene

Concen: 35.034 ng

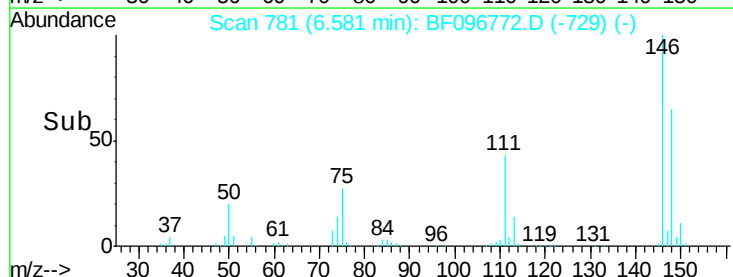
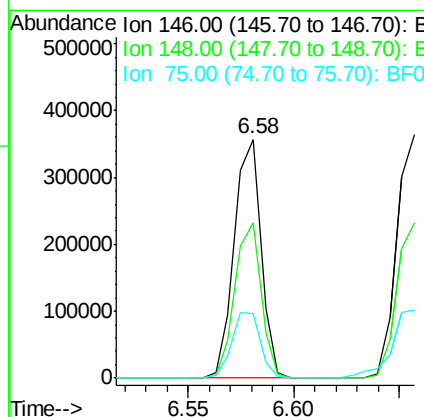
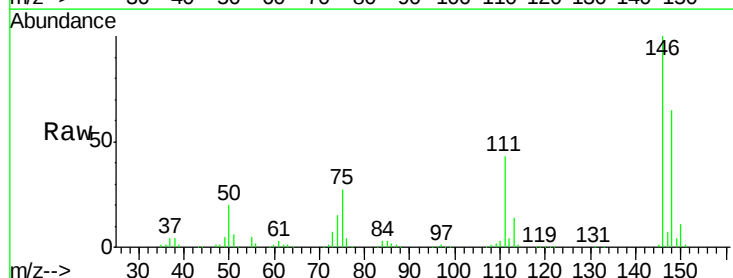
RT: 6.58 min Scan# 781

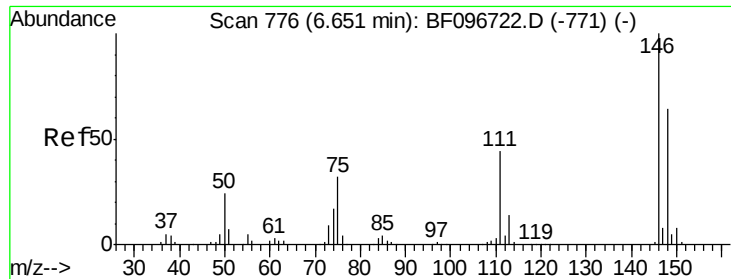
Delta R.T. 0.01 min

Lab File: BF096772.D

Acq: 14 Jul 2017 13:36

Tgt Ion:	146	Resp:	312459
Ion Ratio	Lower	Upper	
146	100		
148	64.8	51.8	77.6
75	27.1	23.1	34.7





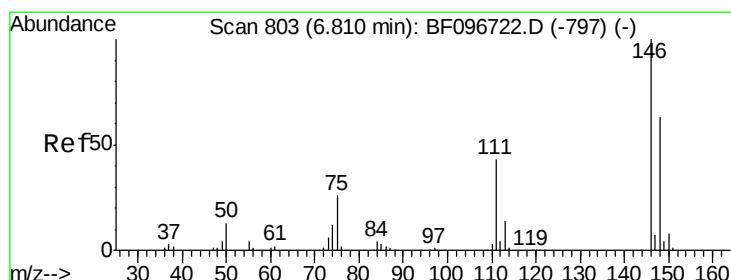
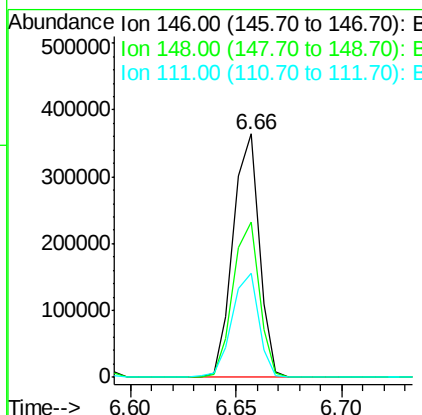
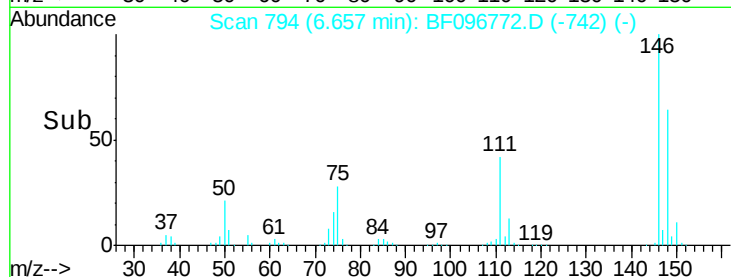
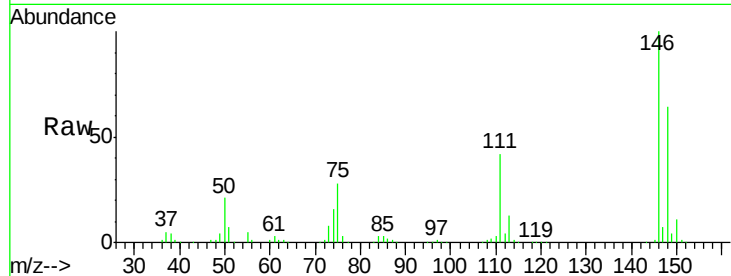
#13
 1,4-Dichlorobenzene
 Concen: 34.598 ng
 RT: 6.66 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: BF096772.D
 Acq: 14 Jul 2017 13:36

Instrument :
 BNA_F
 ClientSampleId :
 WEST-GAS-SIDEWALLMSD

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.8	52.2	78.2
111	42.5	30.3	45.5

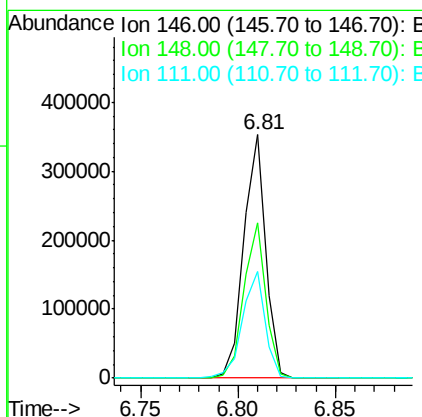
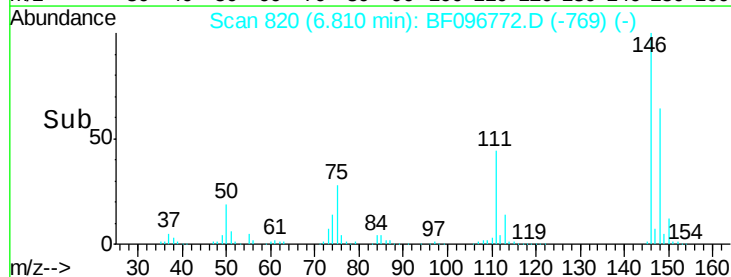
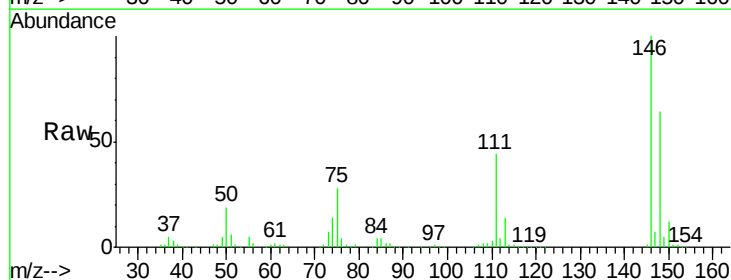
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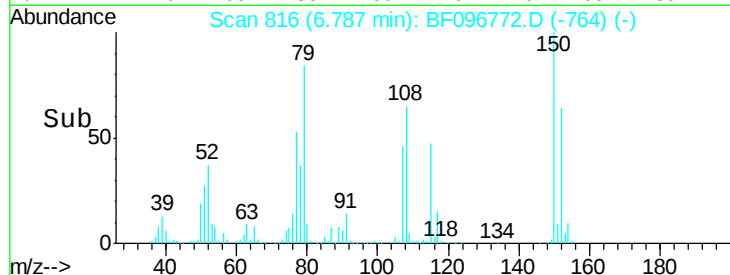
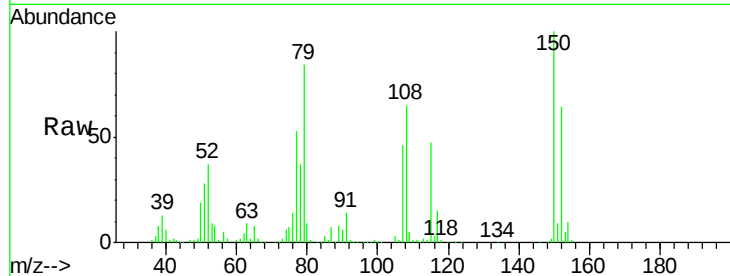
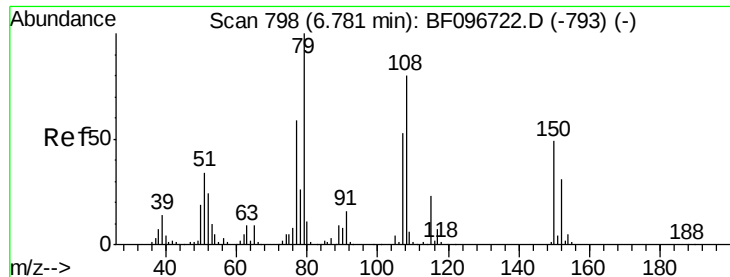
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#14
 1,2-Dichlorobenzene
 Concen: 33.466 ng
 RT: 6.81 min Scan# 820
 Delta R.T. -0.00 min
 Lab File: BF096772.D
 Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.4	75.6
111	43.7	38.2	57.4





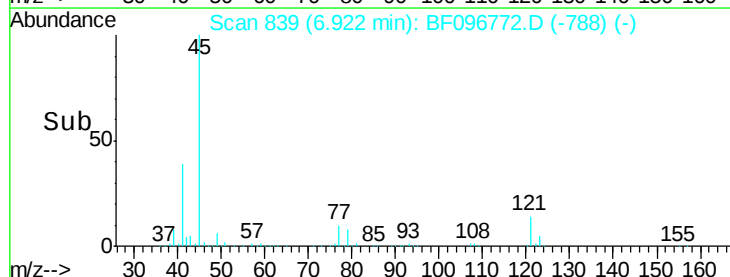
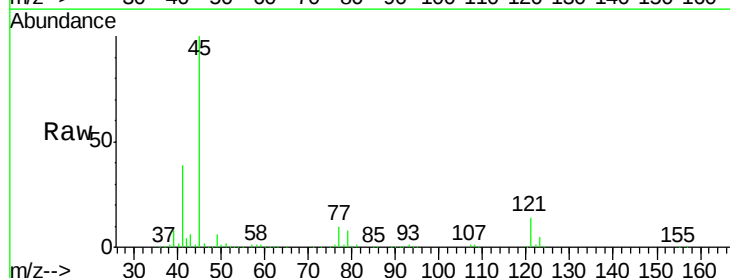
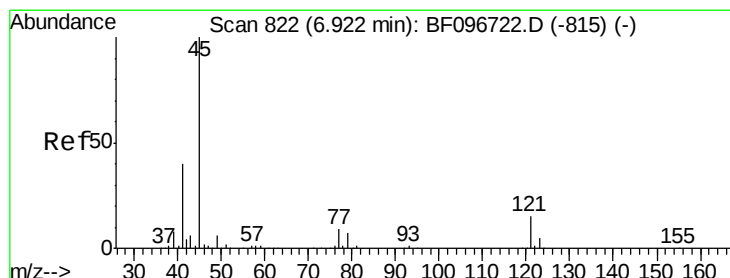
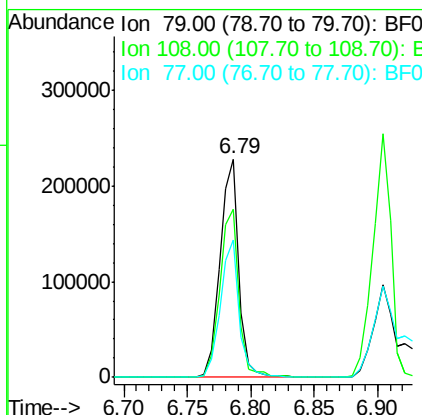
#15
Benzyl Alcohol
Concen: 38.742 ng
RT: 6.79 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Lower	Upper
79	100		
108	76.9	63.4	95.0
77	62.9	49.2	73.8

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMSD

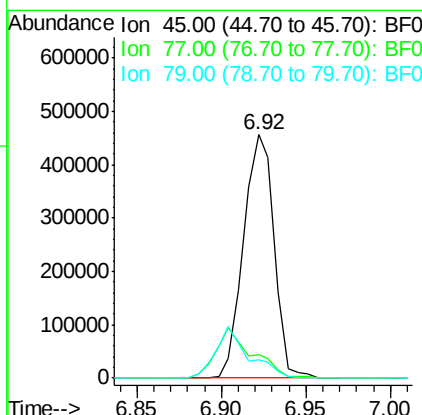
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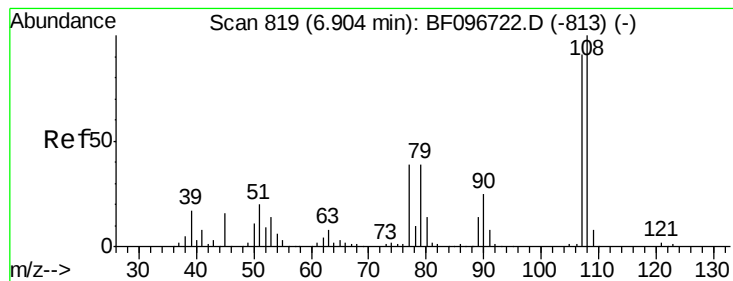
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.225 ng
RT: 6.92 min Scan# 839
Delta R.T. -0.00 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Lower	Upper
45	100		
77	9.6	0.0	33.2
79	7.7	0.0	30.0





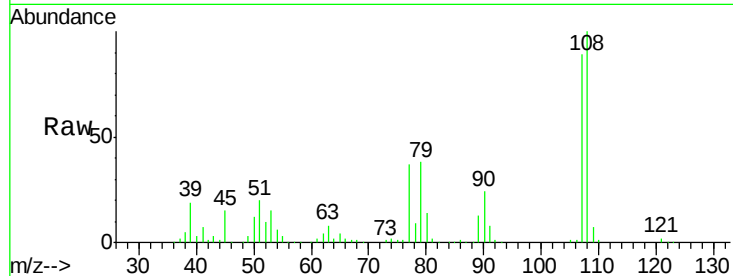
#17
2-Methylphenol
Concen: 34.531 ng
RT: 6.90 min Scan# 836
Delta R.T. -0.00 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMSD

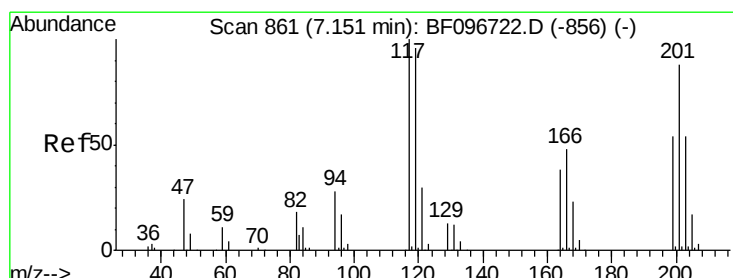
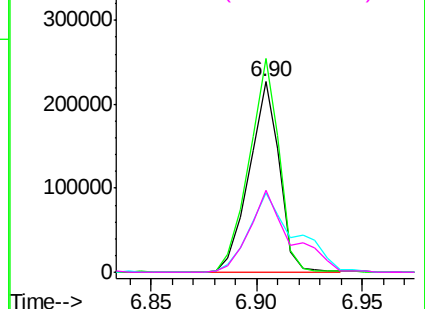
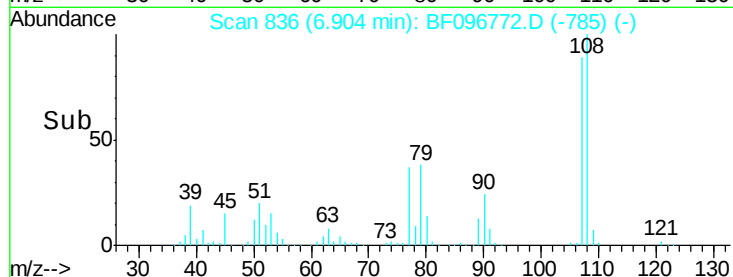
Tgt Ion:	107	Resp:	225298
Ion Ratio	Lower	Upper	
107	100		
108	112.2	93.4	140.0
77	41.9	35.8	53.6
79	42.9	34.8	52.2

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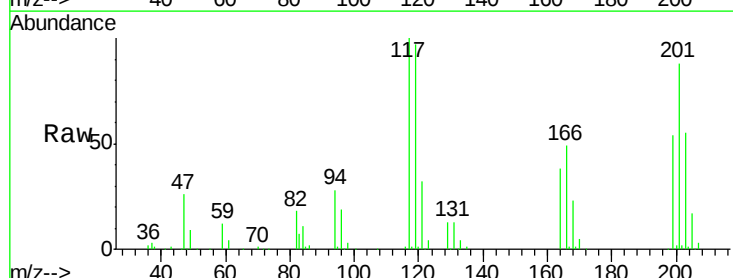


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

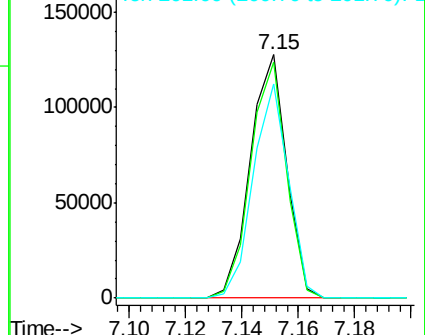
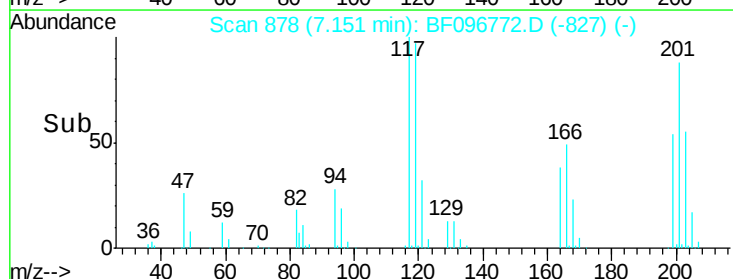


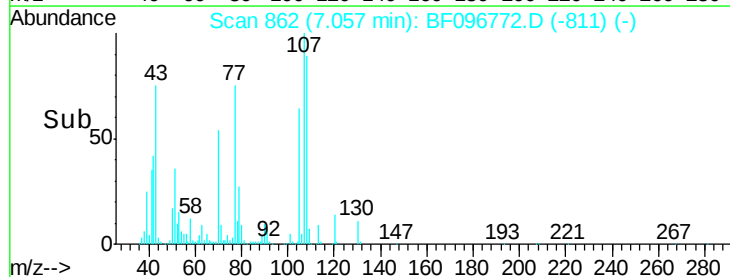
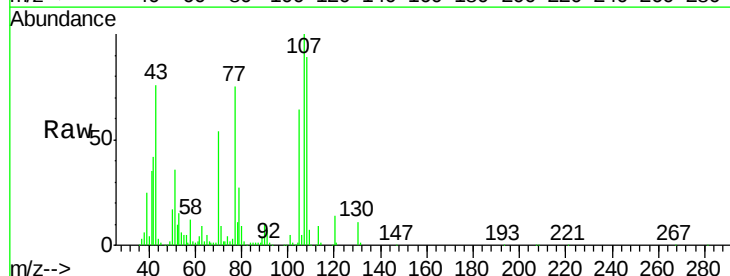
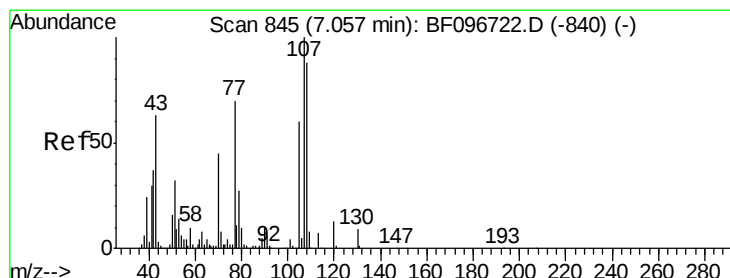
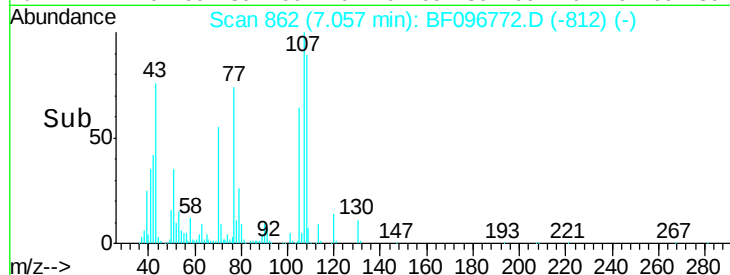
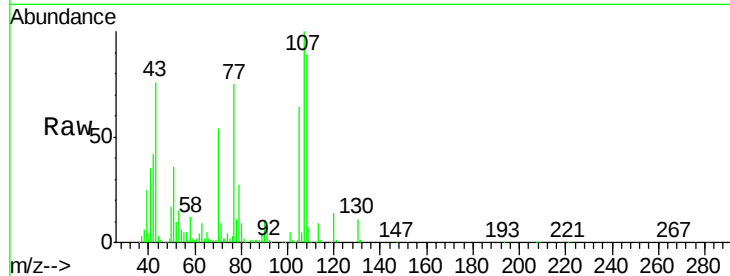
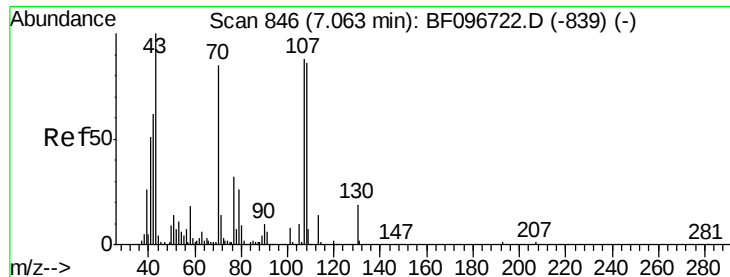
#18
Hexachloroethane
Concen: 35.630 ng
RT: 7.15 min Scan# 878
Delta R.T. -0.00 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Tgt Ion:	117	Resp:	114112
Ion Ratio	Lower	Upper	
117	100		
119	96.9	77.4	116.0
201	88.0	94.6	141.8#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





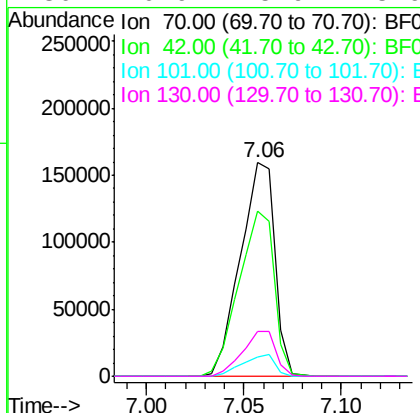
#19
n-Nitroso-di-n-propylamine
Concen: 34.859 ng
RT: 7.06 min Scan# 862
Delta R.T. -0.01 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMSD

Tgt Ion	Ratio	Lower	Upper
70	100		
42	77.2	47.2	70.8#
101	9.2	7.2	10.8
130	20.9	15.9	23.9

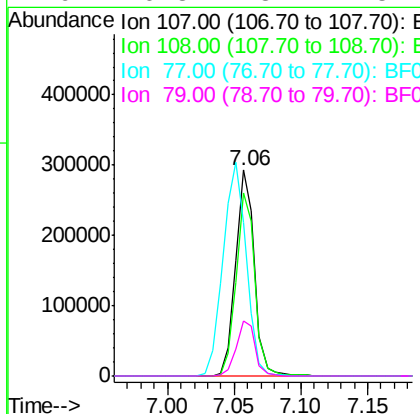
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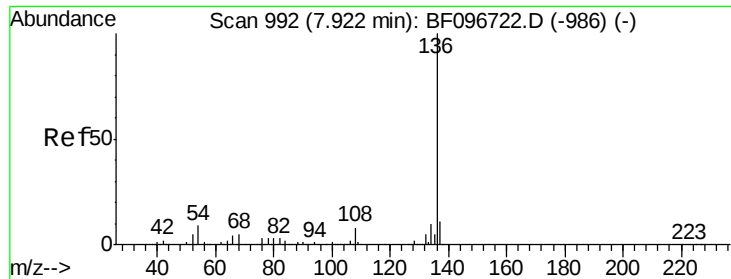
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#20
3+4-Methylphenols
Concen: 36.424 ng
RT: 7.06 min Scan# 862
Delta R.T. -0.00 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.3	71.0	111.0
77	74.6	90.5	130.5#
79	26.8	8.4	48.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.92 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BF096772.D

Acq: 14 Jul 2017 13:36

Instrument :

BNA_F

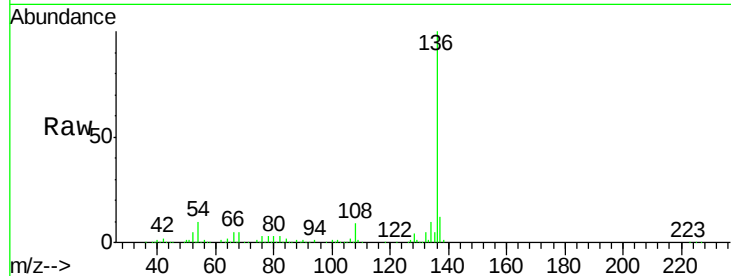
ClientSampleId :

WEST-GAS-SIDEWALLMSD

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	478443		
137	11.5	8.5	12.7	
54	10.0	4.9	7.3	
68	5.1	4.1	6.1	

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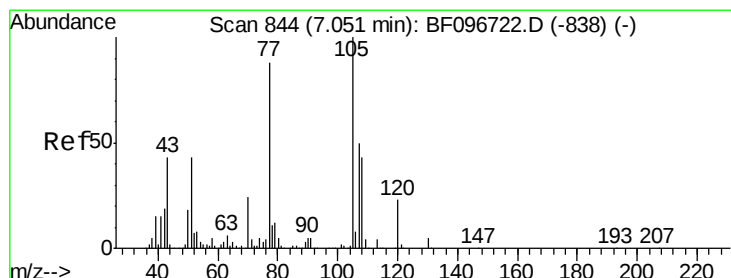
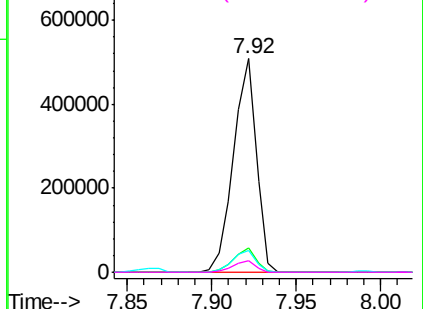
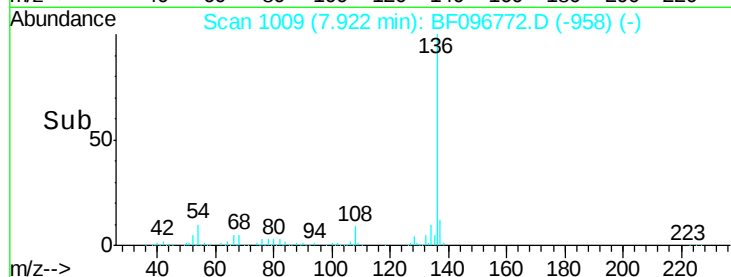


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 36.196 ng

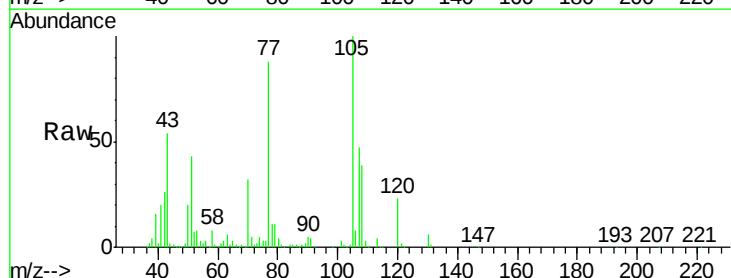
RT: 7.05 min Scan# 861

Delta R.T. -0.00 min

Lab File: BF096772.D

Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	387060		
71	5.4	2.8	4.2	
51	42.6	30.7	46.1	
120	22.6	17.4	26.0	

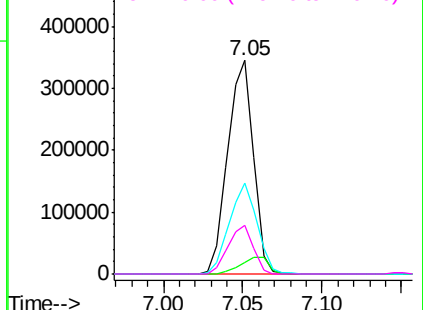
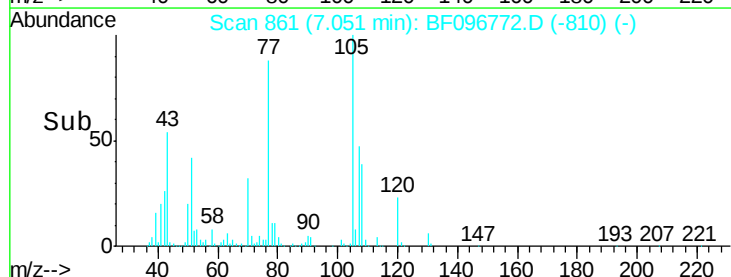


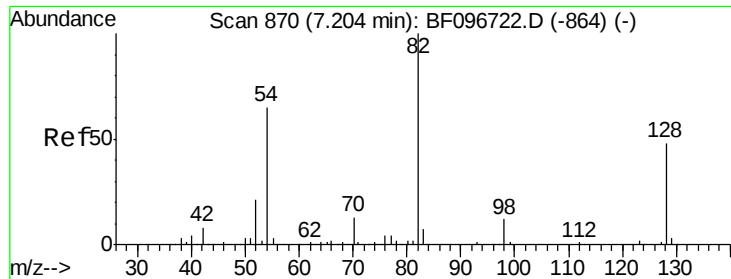
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





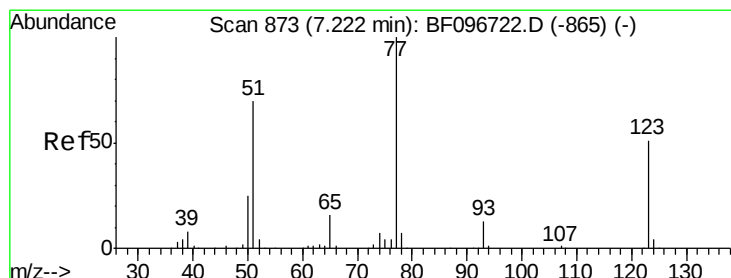
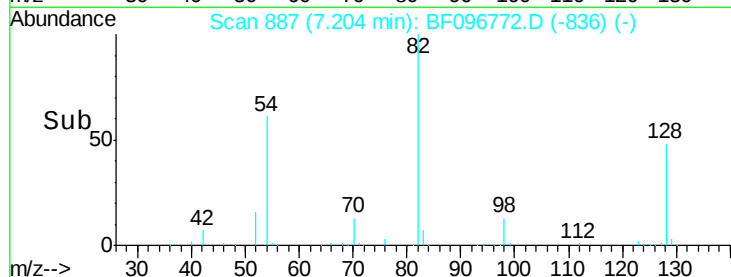
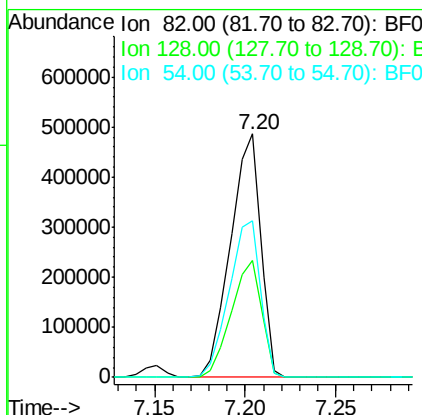
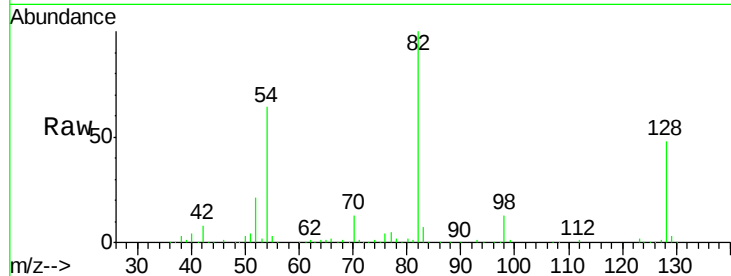
#23
 Nitrobenzene-d5
 Concen: 73.140 ng
 RT: 7.20 min Scan# 887
 Delta R.T. -0.00 min
 Lab File: BF096772.D
 Acq: 14 Jul 2017 13:36

Instrument :
 BNA_F
 ClientSampleId :
 WEST-GAS-SIDEWALLMSD

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	564944		
128	48.1	34.0	51.0	
54	64.3	42.2	63.2	

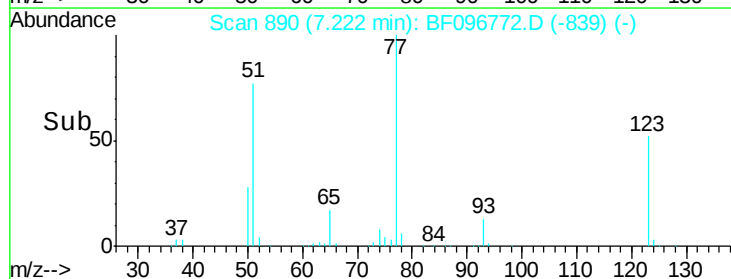
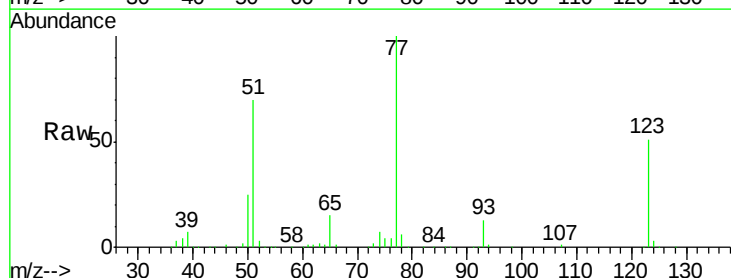
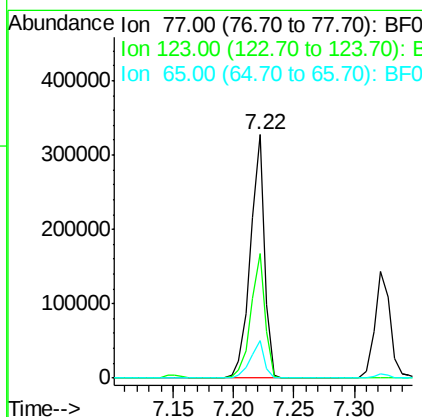
Manual Integrations
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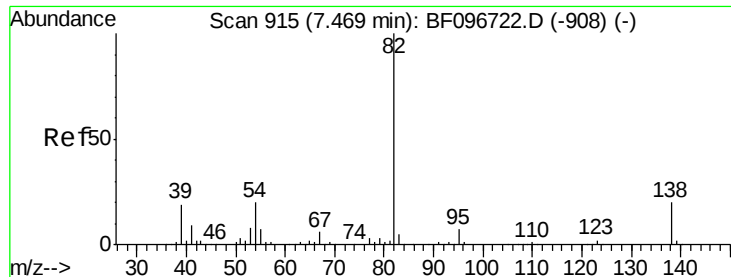
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#24
 Nitrobenzene
 Concen: 33.812 ng
 RT: 7.22 min Scan# 890
 Delta R.T. -0.00 min
 Lab File: BF096772.D
 Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	270111		
123	51.3	35.8	53.8	
65	15.3	10.6	15.8	





#25

Isophorone

Concen: 37.537 ng

RT: 7.46 min Scan# 931

Delta R.T. -0.01 min

Lab File: BF096772.D

Acq: 14 Jul 2017 13:36

Instrument :

BNA_F

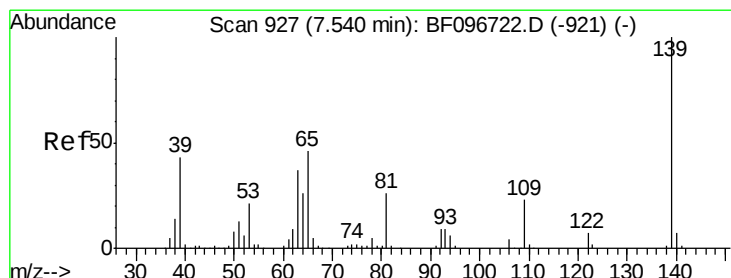
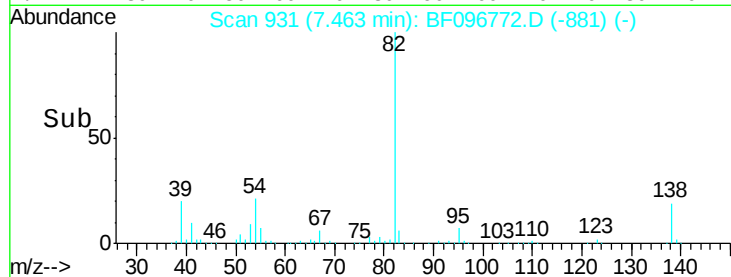
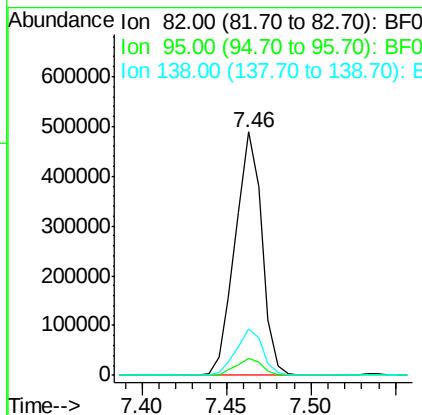
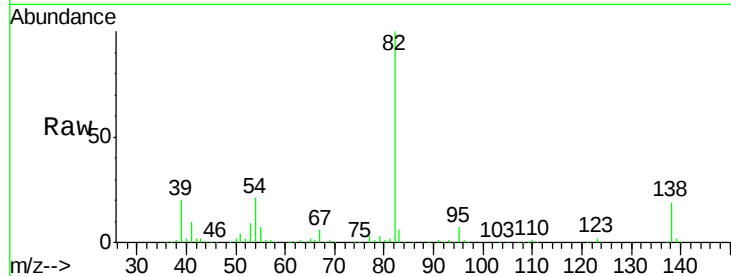
ClientSampleId :

WEST-GAS-SIDEWALLMSD

Tgt Ion:	82	Resp:	539370
Ion Ratio	Lower	Upper	
82	100		
95	6.9	5.3	7.9
138	19.2	13.1	19.7

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#26

2-Nitrophenol

Concen: 35.499 ng

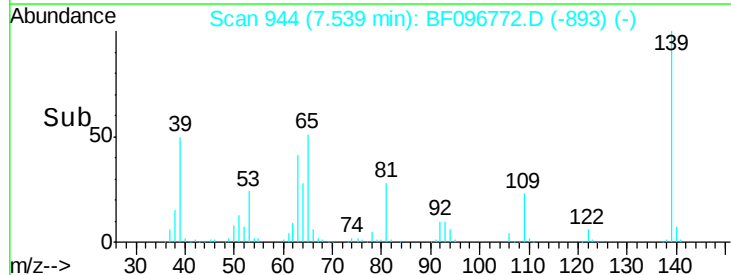
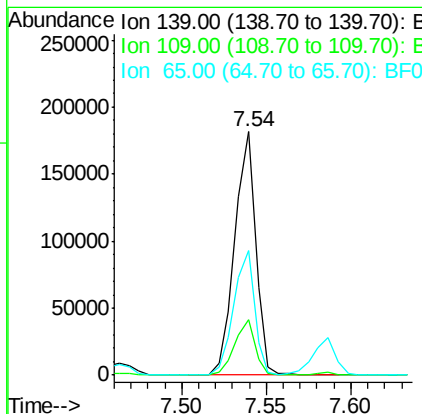
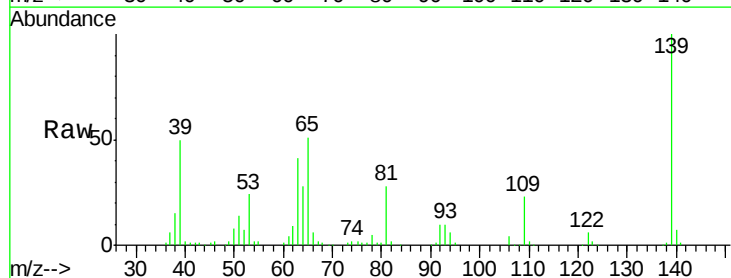
RT: 7.54 min Scan# 944

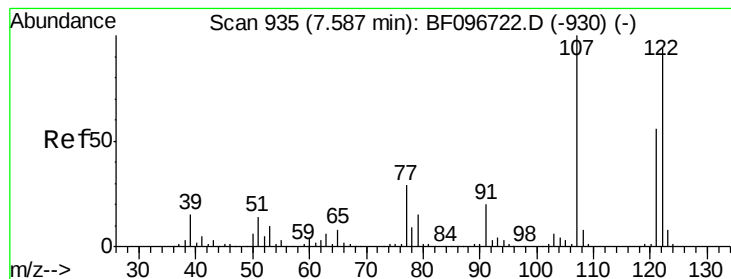
Delta R.T. -0.00 min

Lab File: BF096772.D

Acq: 14 Jul 2017 13:36

Tgt Ion:	139	Resp:	157686
Ion Ratio	Lower	Upper	
139	100		
109	23.0	21.0	31.6
65	51.1	33.0	49.6#





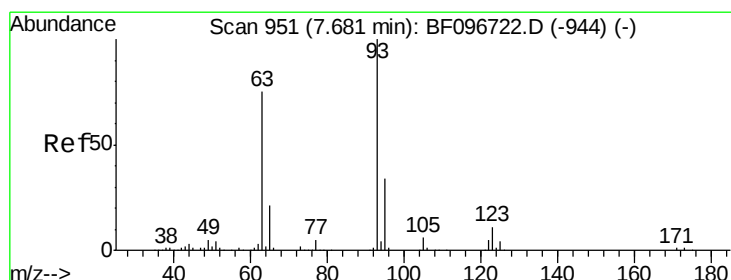
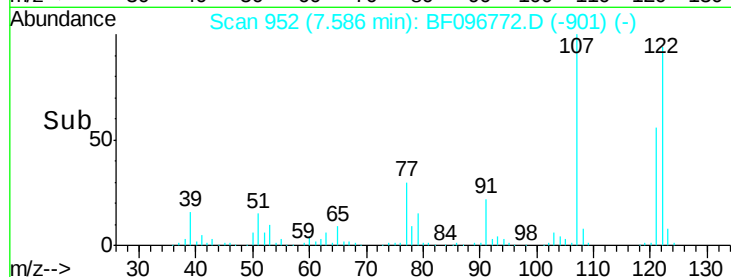
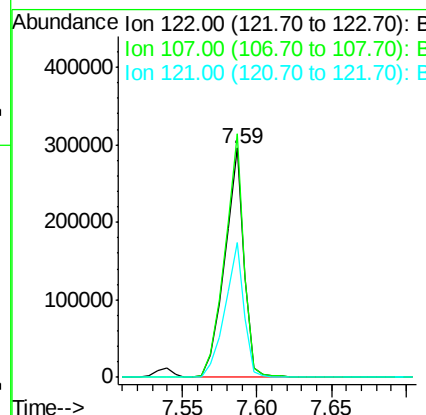
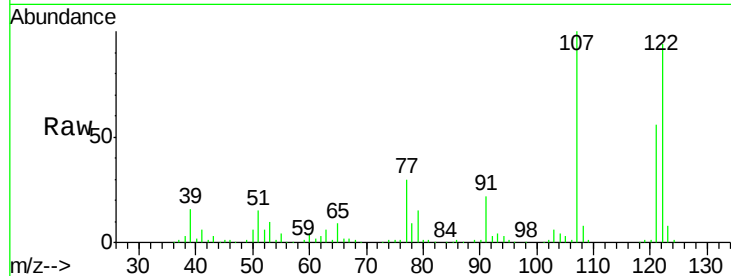
#27
 2,4-Dimethylphenol
 Concen: 37.003 ng
 RT: 7.59 min Scan# 952
 Delta R.T. -0.00 min
 Lab File: BF096772.D
 Acq: 14 Jul 2017 13:36

Instrument :
 BNA_F
 ClientSampleId :
 WEST-GAS-SIDEWALLMSD

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	270402		
107	106.1	89.2	133.8	
121	59.0	45.2	67.8	

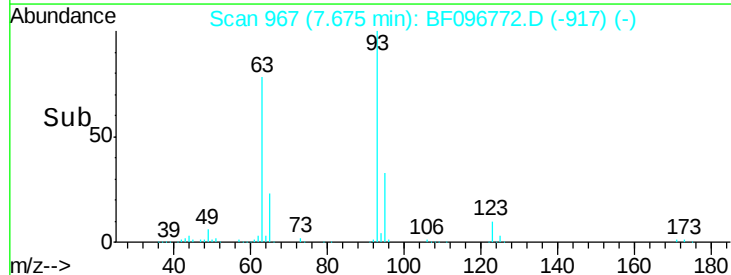
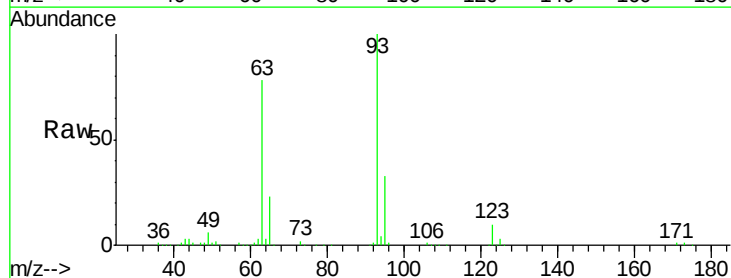
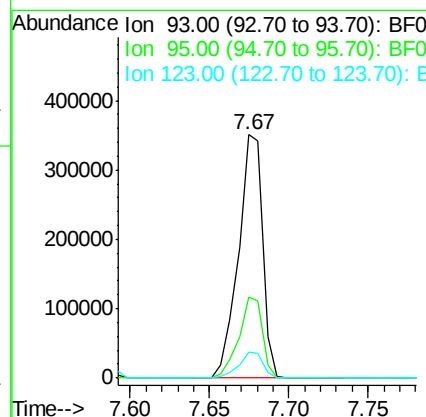
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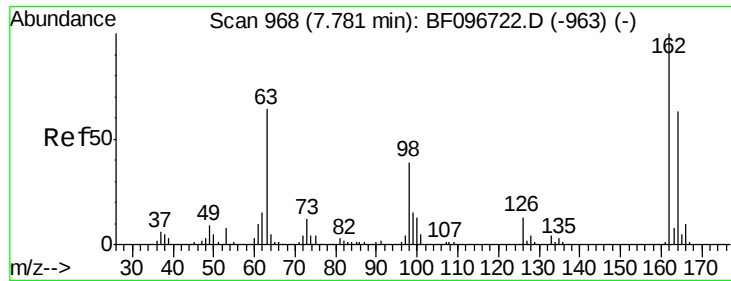
mohammad
 7/17/2017 3:56:19 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 38.158 ng
 RT: 7.67 min Scan# 967
 Delta R.T. -0.01 min
 Lab File: BF096772.D
 Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	370500		
95	33.2	26.5	39.7	
123	10.4	9.0	13.4	





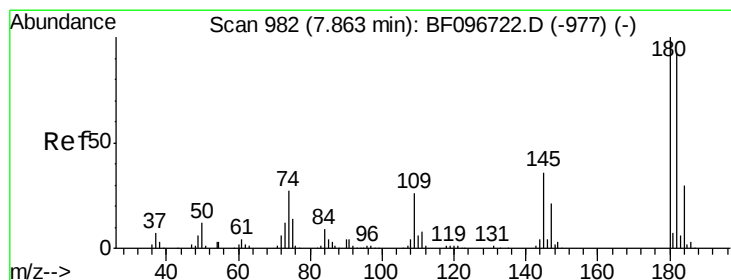
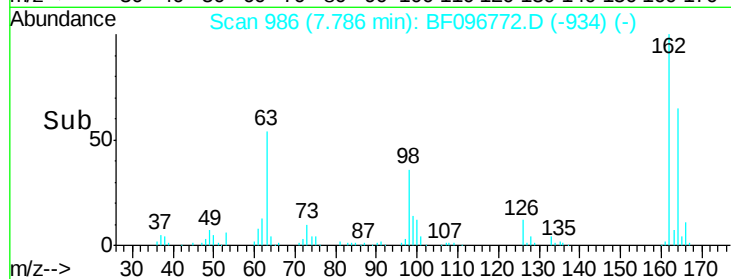
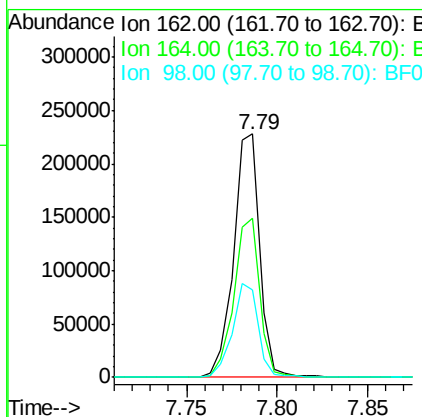
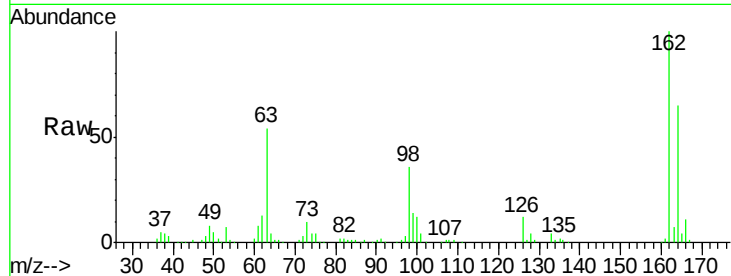
#29
2,4-Dichlorophenol
Concen: 34.609 ng
RT: 7.79 min Scan# 986
Delta R.T. 0.01 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMSD

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	228931		
164	65.4	44.6	84.6	
98	35.7	14.8	54.8	

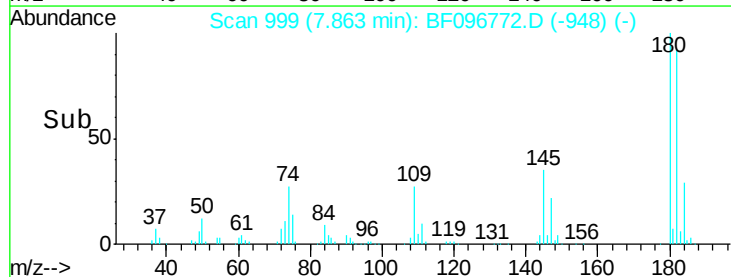
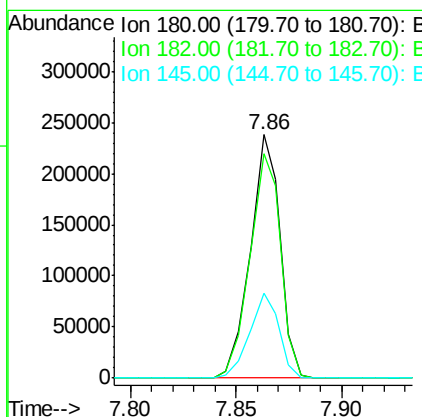
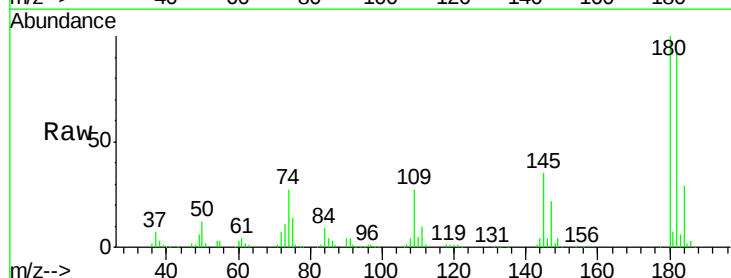
Manual Integrations
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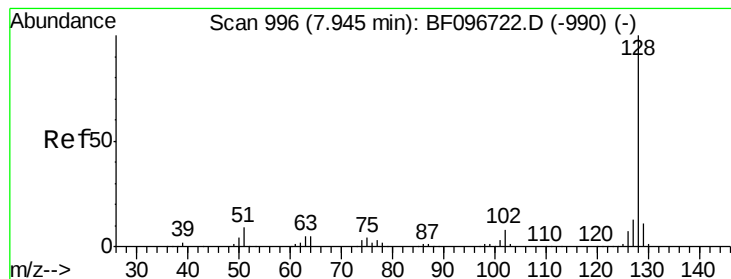
mohammad
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#30
1,2,4-Trichlorobenzene
Concen: 36.969 ng
RT: 7.86 min Scan# 999
Delta R.T. -0.00 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	232513		
182	92.1	75.8	113.6	
145	34.8	25.3	37.9	





#31

Naphthalene

Concen: 37.694 ng

RT: 7.94 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF096772.D

Acq: 14 Jul 2017 13:36

Instrument :

BNA_F

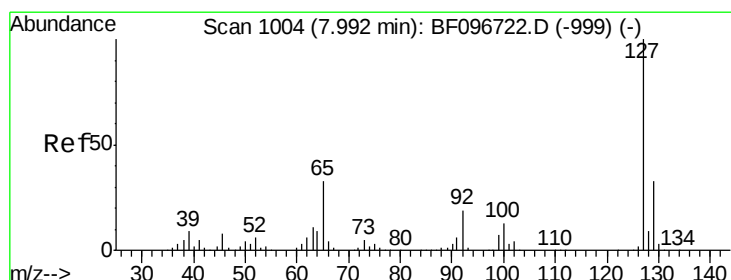
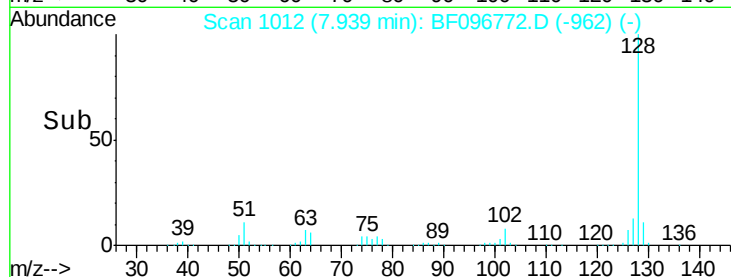
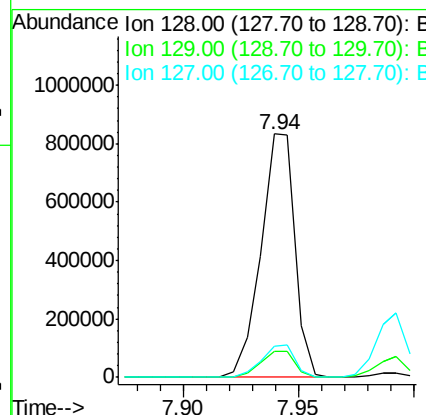
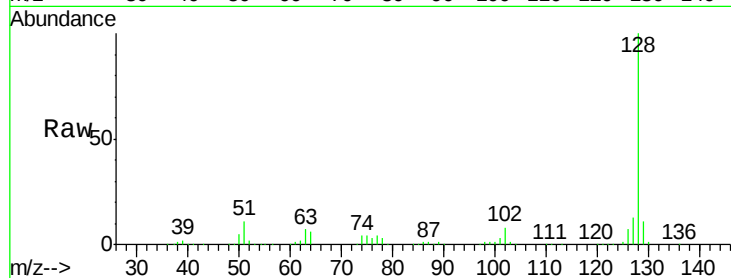
ClientSampleId :

WEST-GAS-SIDEWALLMSD

Tgt Ion:	128	Resp:	854322
Ion Ratio	Lower	Upper	
128	100		
129	10.9	9.0	13.6
127	12.9	10.8	16.2

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#33

4-Chloroaniline

Concen: 23.246 ng

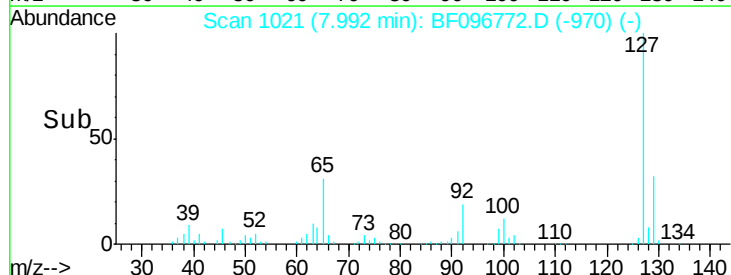
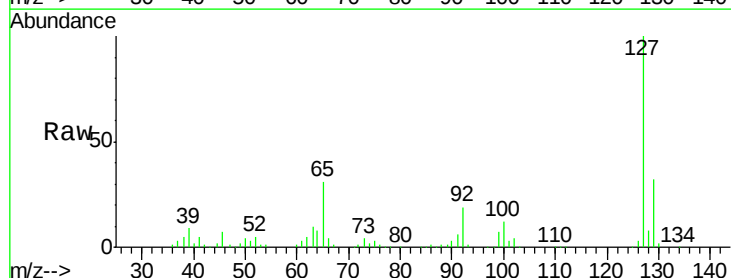
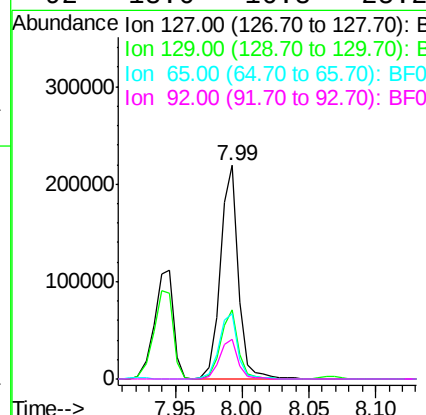
RT: 7.99 min Scan# 1021

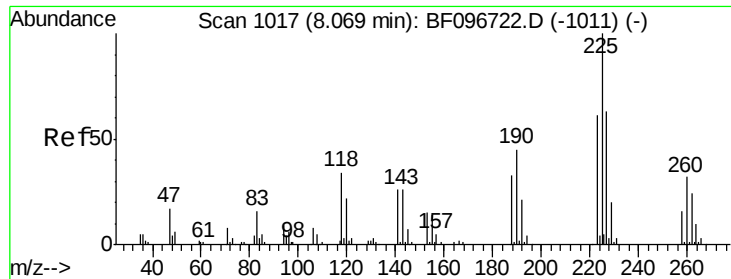
Delta R.T. -0.00 min

Lab File: BF096772.D

Acq: 14 Jul 2017 13:36

Tgt Ion:	127	Resp:	208749
Ion Ratio	Lower	Upper	
127	100		
129	32.4	26.2	39.2
65	30.8	27.8	41.8
92	18.6	16.8	25.2





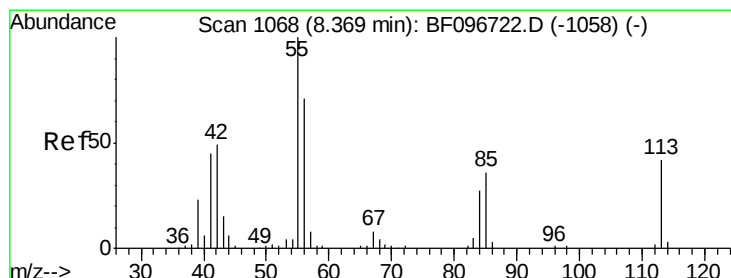
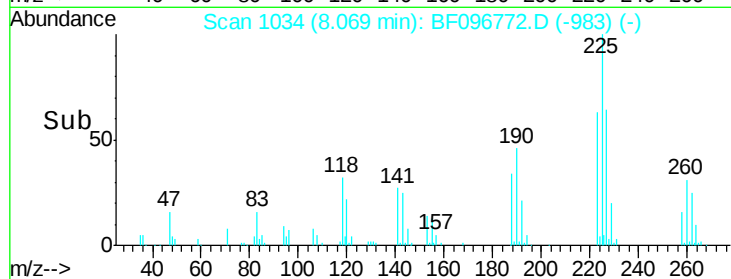
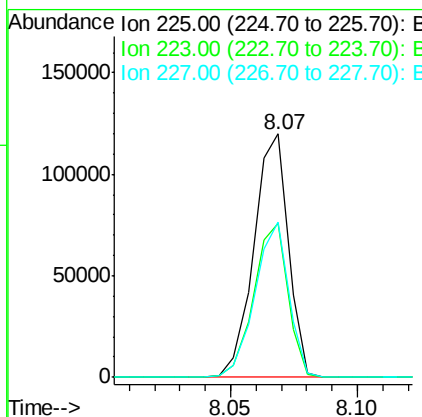
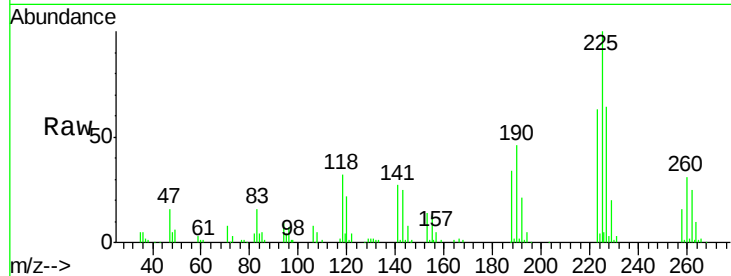
#34
Hexachlorobutadiene
Concen: 33.982 ng
RT: 8.07 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	63.3	48.8	73.2
227	63.6	51.1	76.7

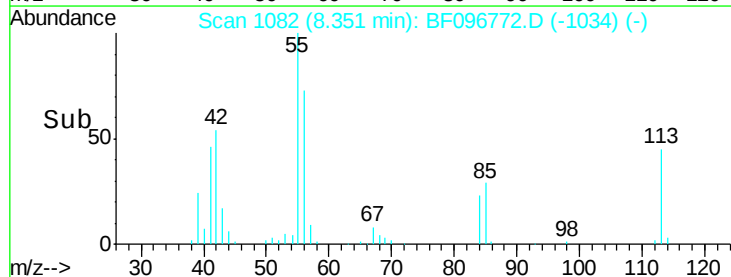
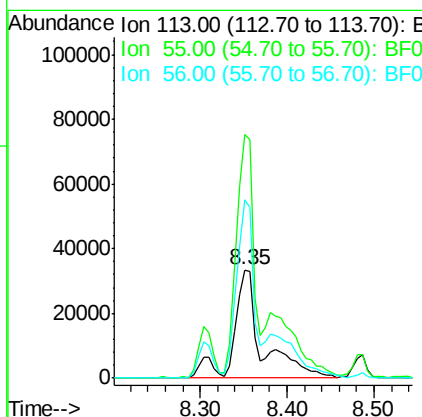
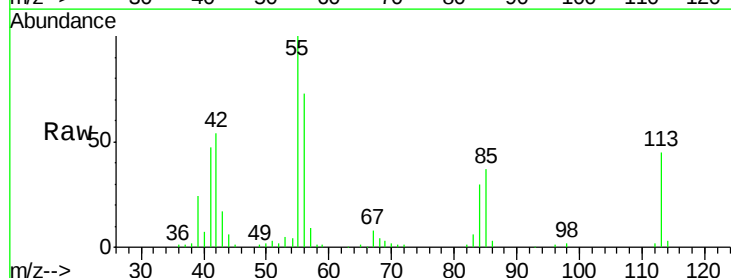
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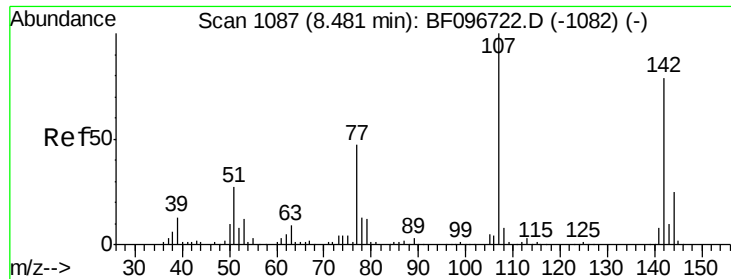
mohammad
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#35
Caprolactam
Concen: 35.441 ng m
RT: 8.35 min Scan# 1082
Delta R.T. -0.02 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
113	100		
55	224.5	150.2	190.2#
56	164.9	107.8	147.8#





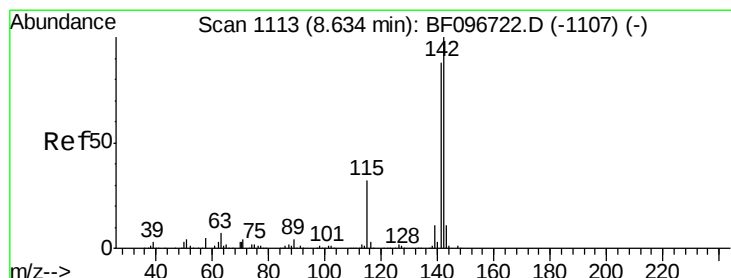
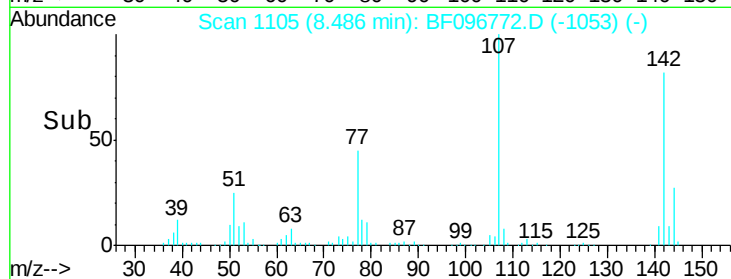
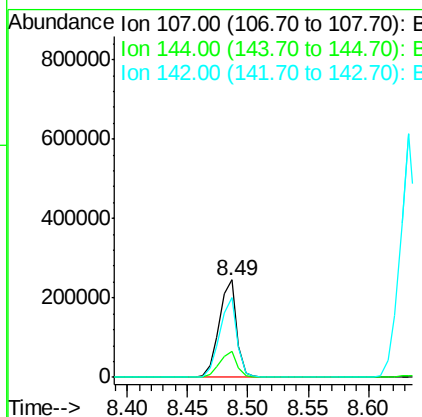
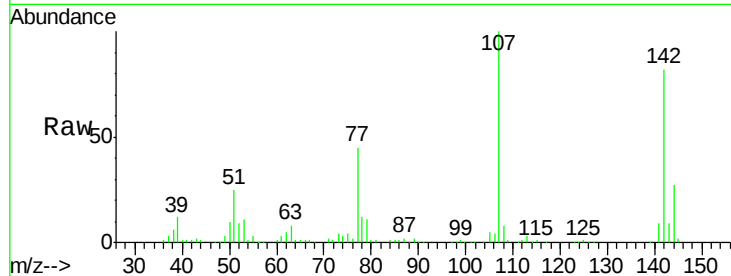
#36
 4-Chloro-3-methylphenol
 Concen: 34.175 ng
 RT: 8.49 min Scan# 1105
 Delta R.T. 0.01 min
 Lab File: BF096772.D
 Acq: 14 Jul 2017 13:36

Instrument :
 BNA_F
 ClientSampleId :
 WEST-GAS-SIDEWALLMSD

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.6	24.2	36.4
142	81.6	73.4	110.0

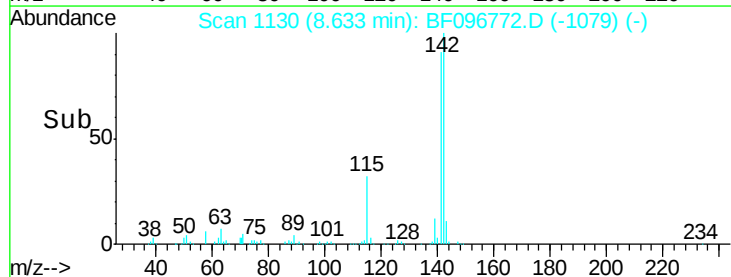
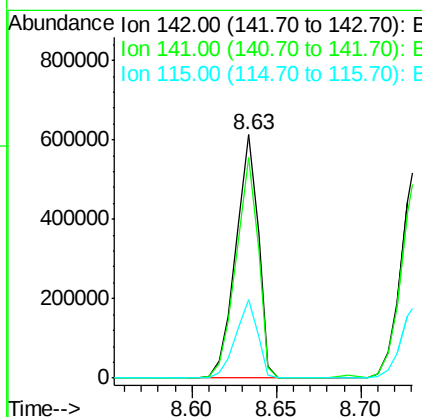
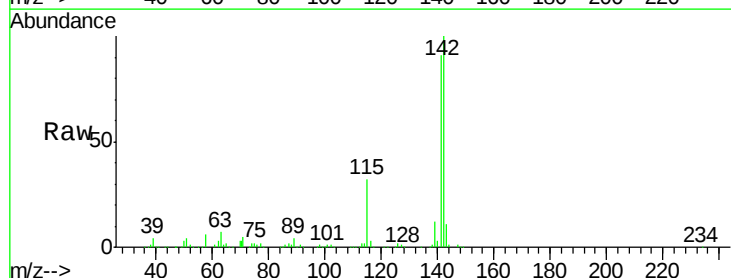
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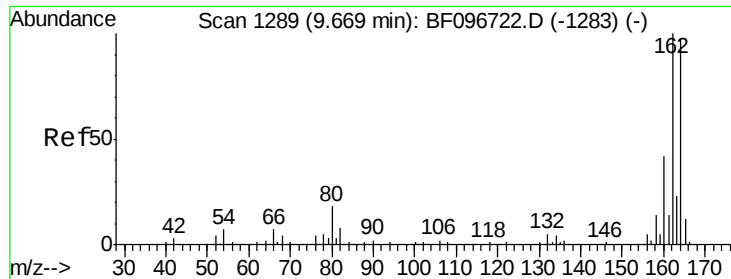
mohammad
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#37
 2-Methylnaphthalene
 Concen: 39.165 ng
 RT: 8.63 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: BF096772.D
 Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.7	71.3	106.9
115	32.2	27.1	40.7





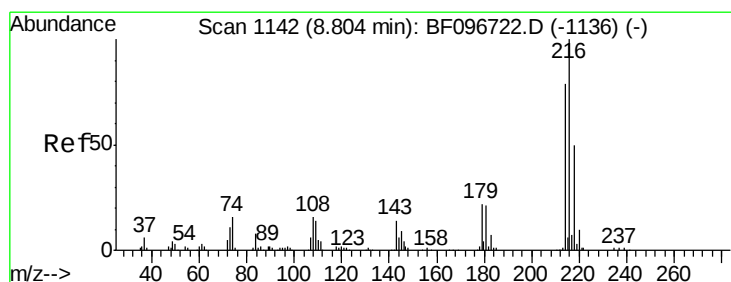
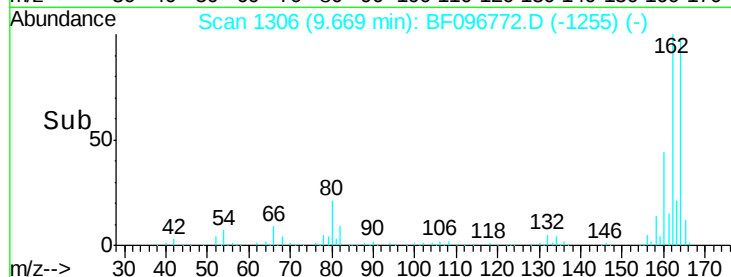
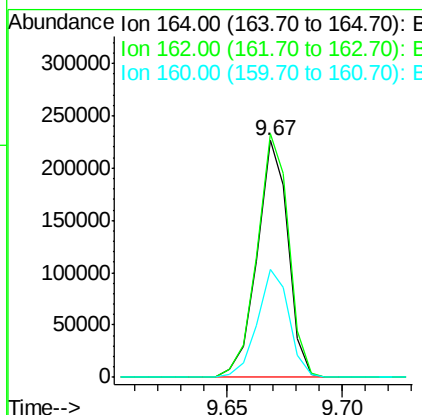
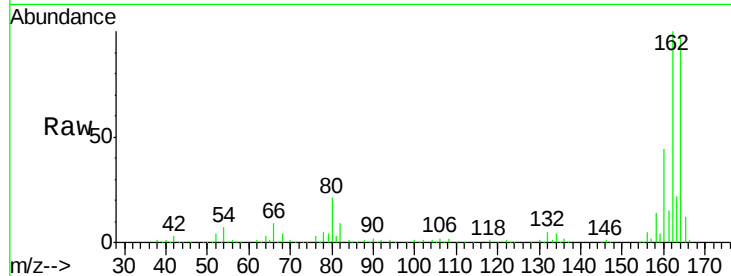
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.67 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMSD

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	211384		
162	102.8	82.6	123.8	
160	45.5	36.2	54.2	

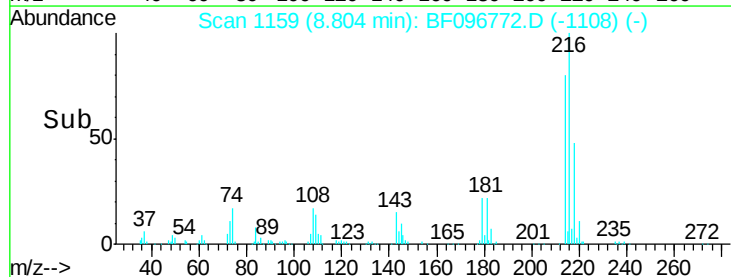
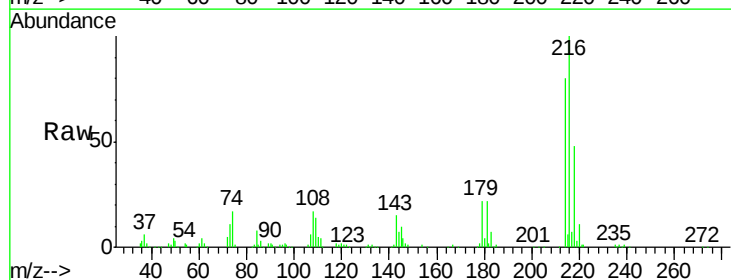
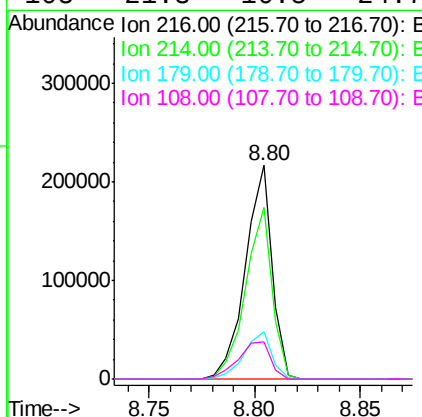
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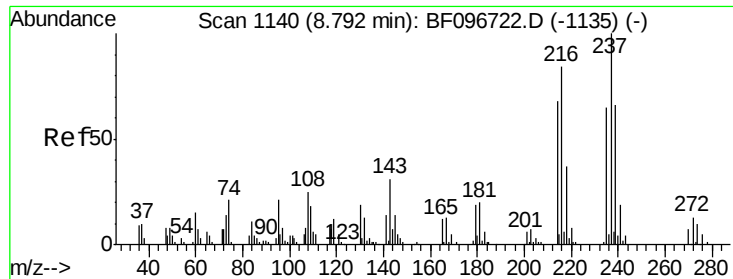
mohammad
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#39
1,2,4,5-Tetrachlorobenzene
Concen: 33.410 ng
RT: 8.80 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	190909		
214	80.0	63.4	95.2	
179	22.6	17.9	26.9	
108	21.3	16.5	24.7	





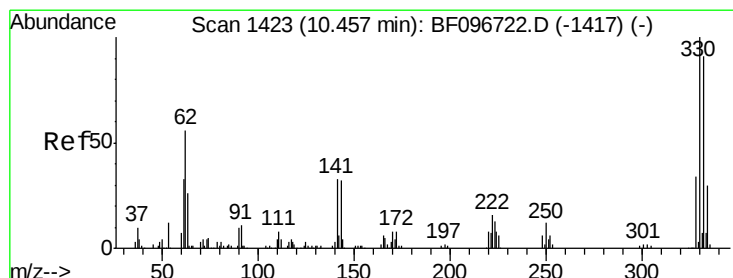
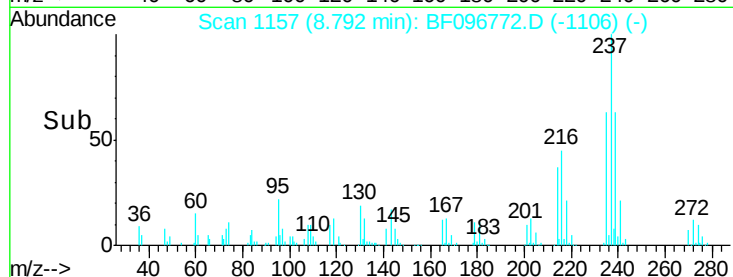
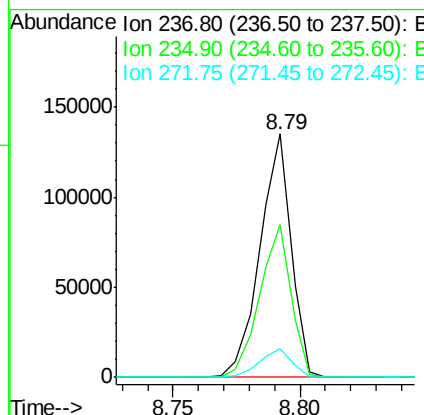
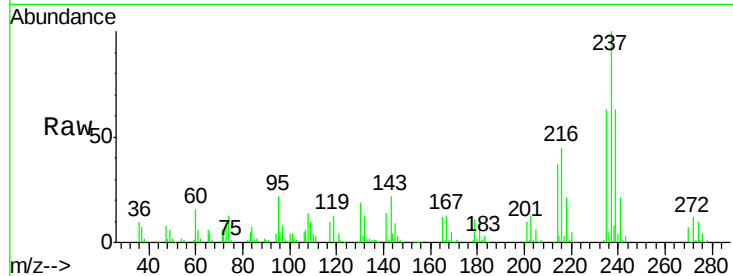
#40
Hexachlorocyclopentadiene
Concen: 55.719 ng
RT: 8.79 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMSD

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	116282		
235	62.8	42.6	82.6	
272	11.9	0.0	31.9	

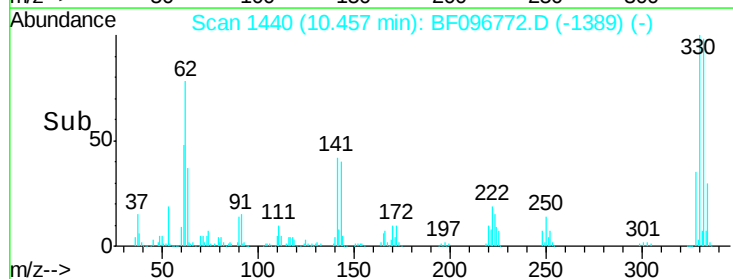
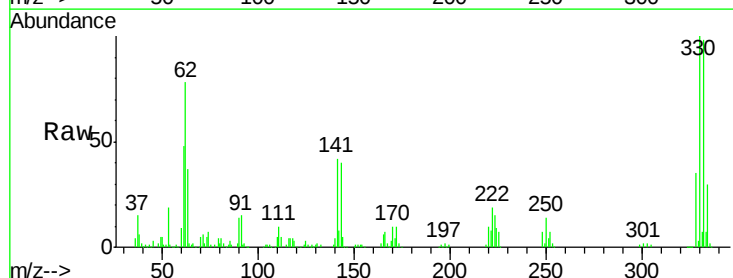
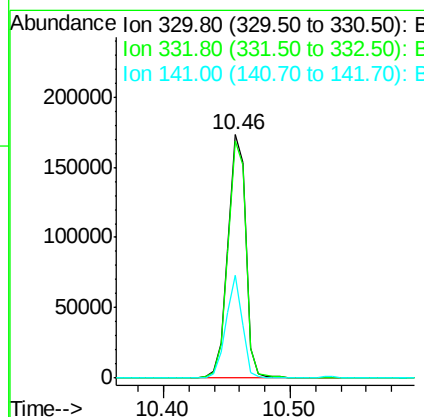
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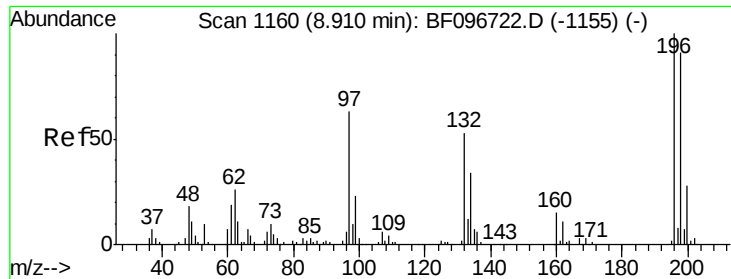
mohammad
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#41
2,4,6-Tribromophenol
Concen: 93.984 ng
RT: 10.46 min Scan# 1440
Delta R.T. -0.00 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	169580		
332	97.8	76.6	115.0	
141	38.8	31.4	47.2	





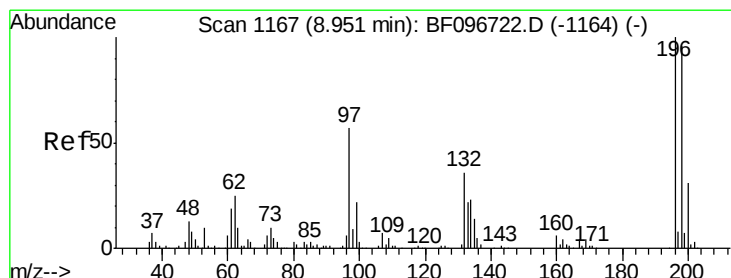
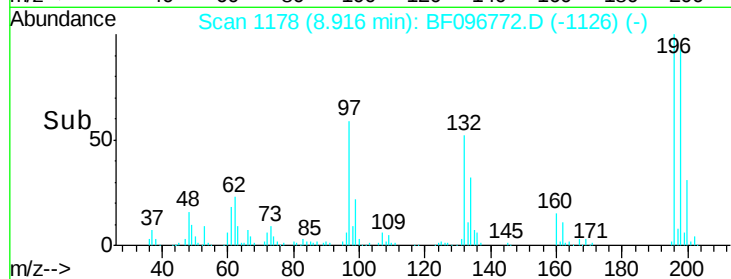
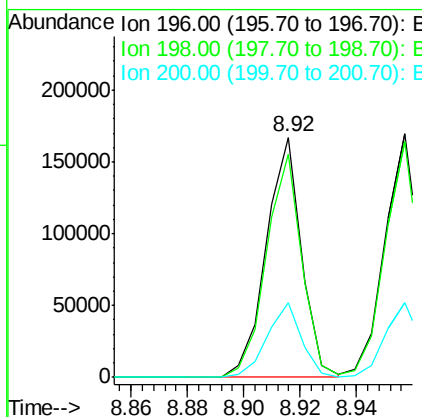
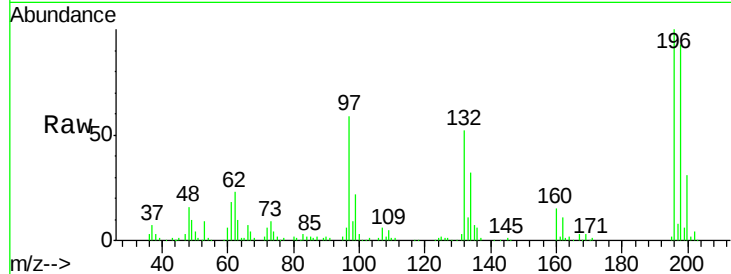
#42
 2,4,6-Trichlorophenol
 Concen: 34.310 ng
 RT: 8.92 min Scan# 1178
 Delta R.T. 0.01 min
 Lab File: BF096772.D
 Acq: 14 Jul 2017 13:36

Instrument :
 BNA_F
 ClientSampleId :
 WEST-GAS-SIDEWALLMSD

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	144616		
198	93.2	74.2	111.4	
200	31.2	24.0	36.0	

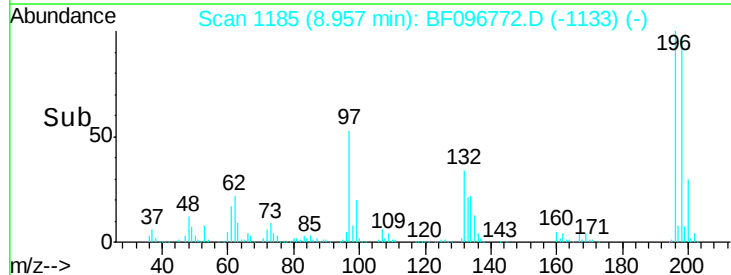
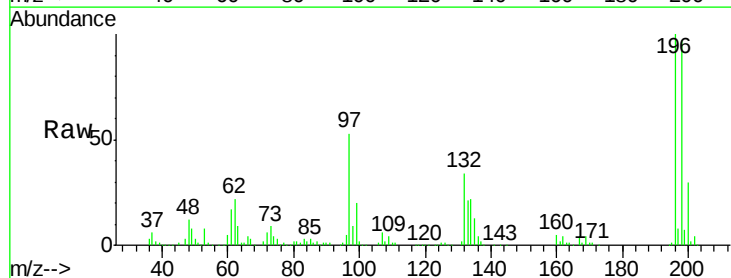
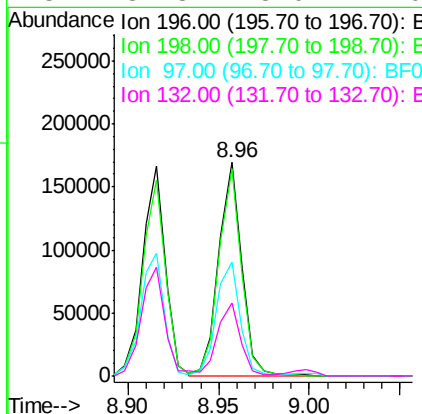
Manual Integrations
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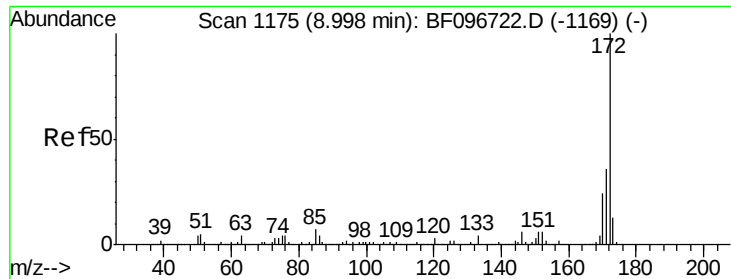
mohammad
 7/17/2017 3:56:19 PM



#43
 2,4,5-Trichlorophenol
 Concen: 35.268 ng
 RT: 8.96 min Scan# 1185
 Delta R.T. 0.01 min
 Lab File: BF096772.D
 Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	149924		
198	97.0	75.7	113.5	
97	53.3	47.7	71.5	
132	34.3	28.0	42.0	





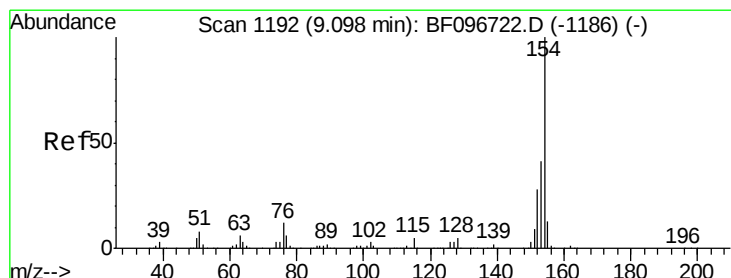
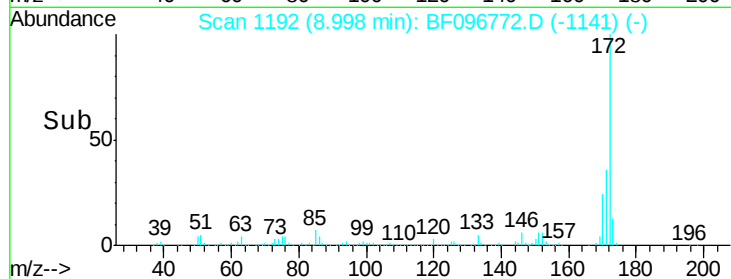
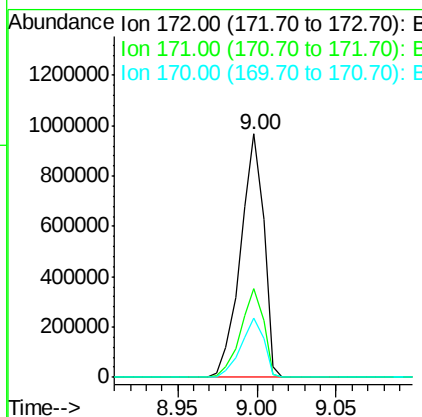
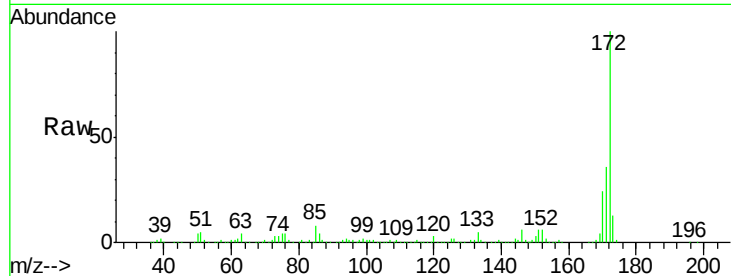
#44
 2-Fluorobiphenyl
 Concen: 73.314 ng
 RT: 9.00 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: BF096772.D
 Acq: 14 Jul 2017 13:36

Instrument :
 BNA_F
 ClientSampleId :
 WEST-GAS-SIDEWALLMSD

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	980891		
171	36.4		29.6	44.4
170	24.2		19.8	29.8

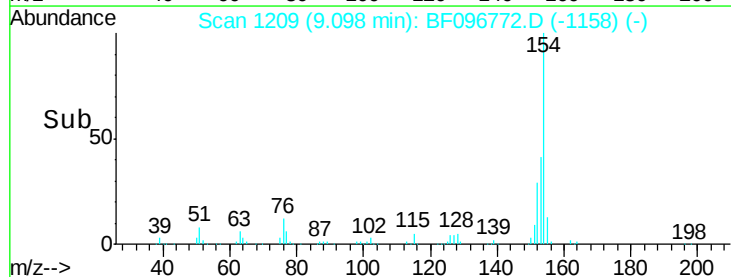
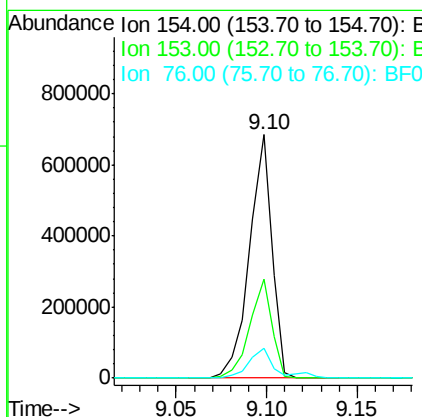
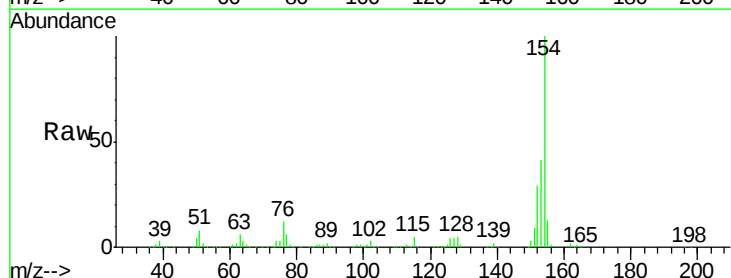
Manual Integrations
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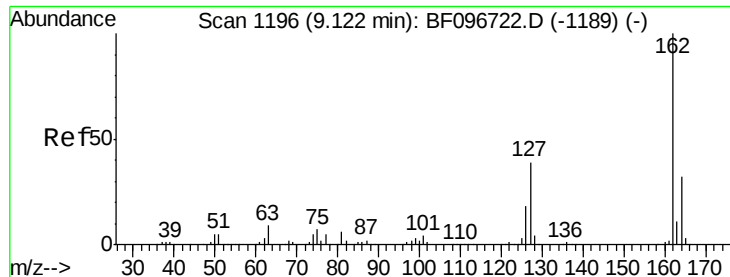
mohammad
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#45
 1,1'-Biphenyl
 Concen: 32.558 ng
 RT: 9.10 min Scan# 1209
 Delta R.T. -0.00 min
 Lab File: BF096772.D
 Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	590244		
153	40.8		21.2	61.2
76	12.3		0.0	29.9





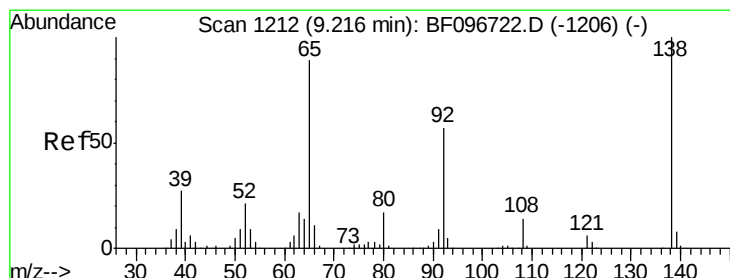
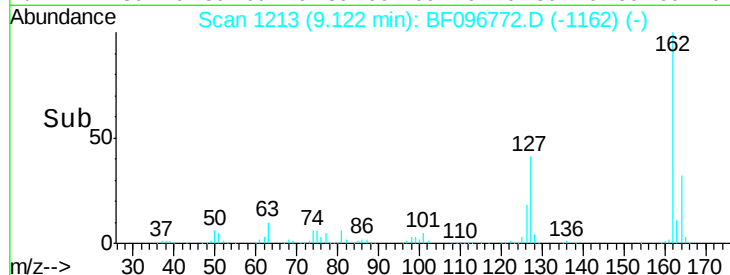
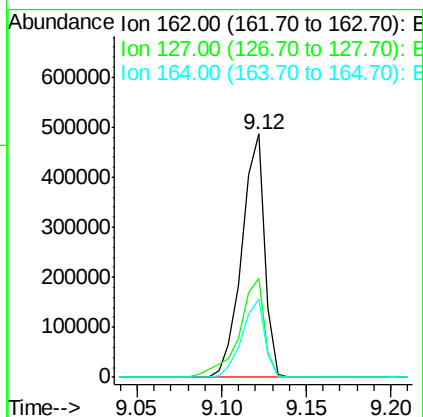
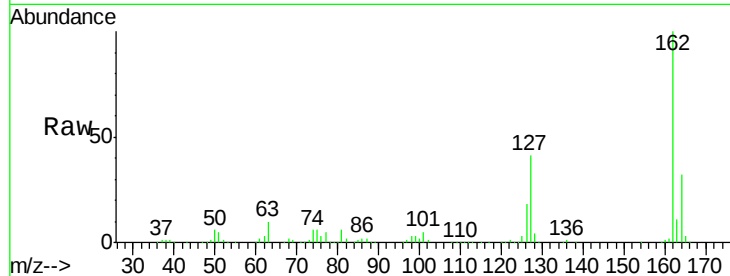
#46
 2-Chloronaphthalene
 Concen: 34.375 ng
 RT: 9.12 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: BF096772.D
 Acq: 14 Jul 2017 13:36

Instrument :
 BNA_F
 ClientSampleId :
 WEST-GAS-SIDEWALLMSD

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	458891		
127	40.5	28.3	42.5	
164	32.2	27.0	40.4	

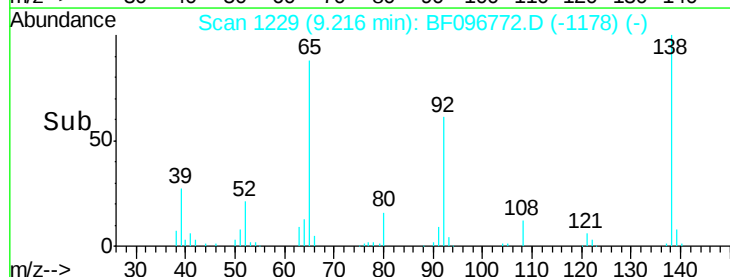
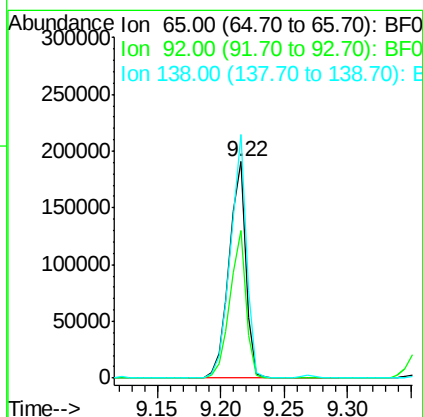
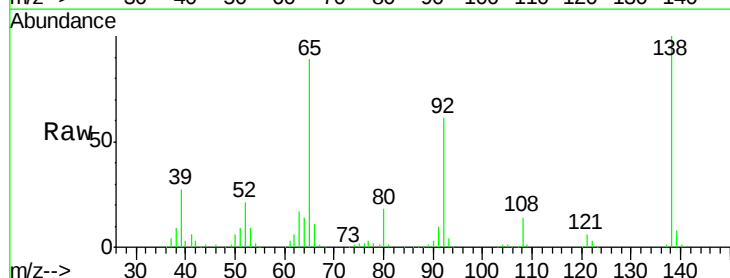
Manual Integrations
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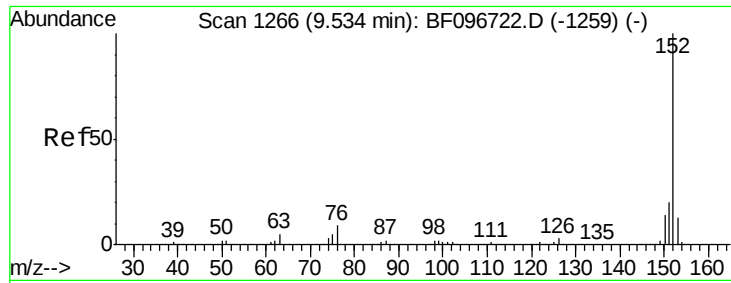
mohammad
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#47
 2-Nitroaniline
 Concen: 38.160 ng
 RT: 9.22 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: BF096772.D
 Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	175106		
92	68.3	53.9	80.9	
138	112.5	78.8	118.2	





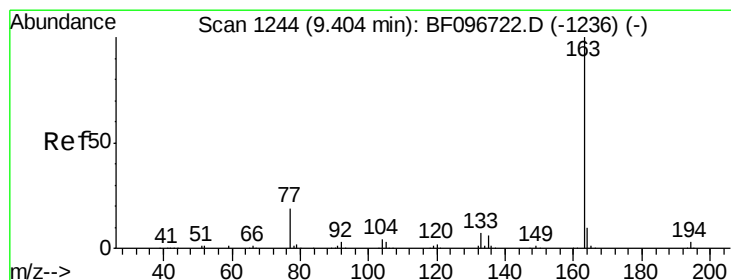
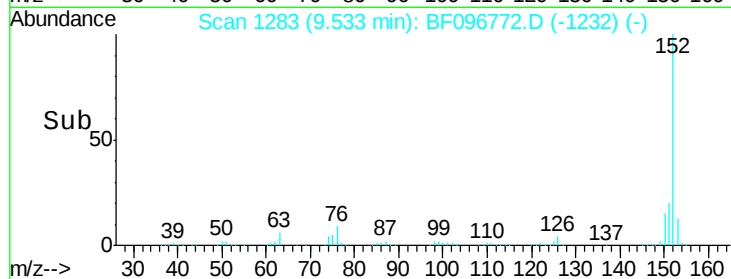
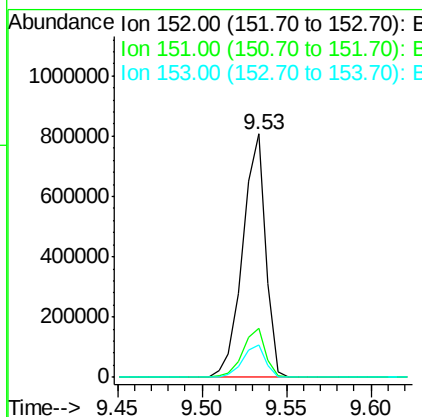
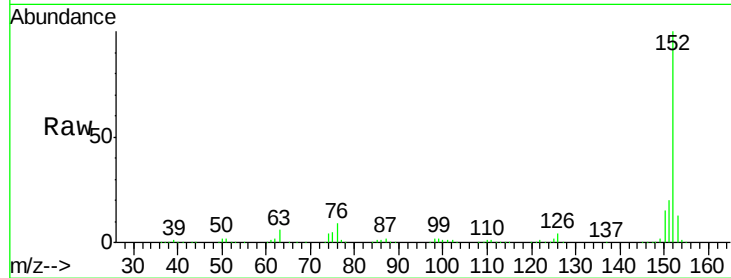
#48
Acenaphthylene
Concen: 36.053 ng
RT: 9.53 min Scan# 1283
Delta R.T. -0.00 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
151	20.1	16.8	25.2
153	13.2	10.8	16.2

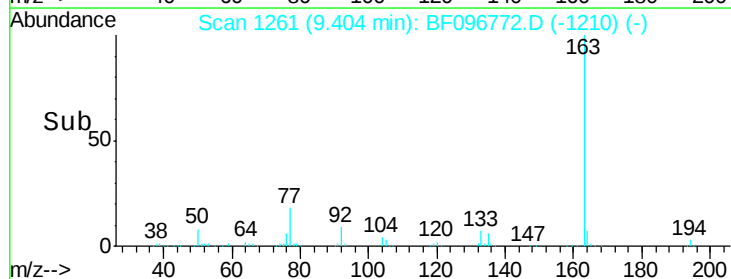
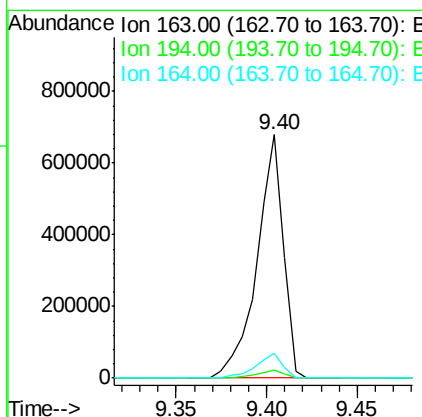
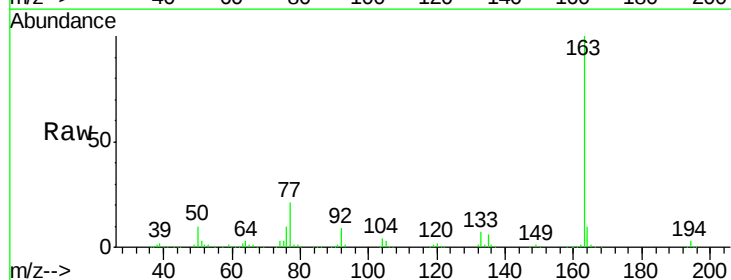
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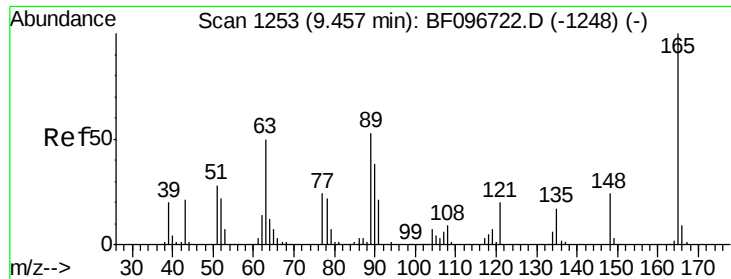
mohammad
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#49
Dimethylphthalate
Concen: 43.076 ng
RT: 9.40 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.2	2.6	4.0
164	10.4	8.4	12.6





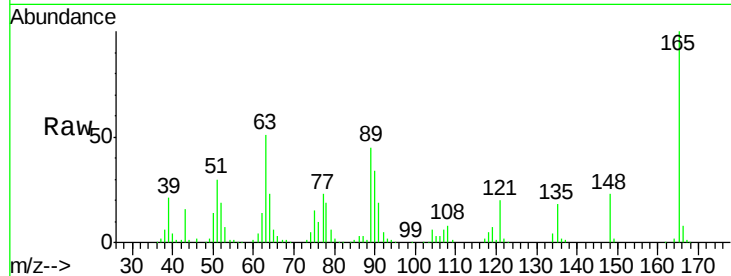
#50
2,6-Dinitrotoluene
Concen: 36.851 ng
RT: 9.46 min Scan# 1271
Delta R.T. 0.01 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	50.9	34.3	51.5
89	44.6	37.1	55.7

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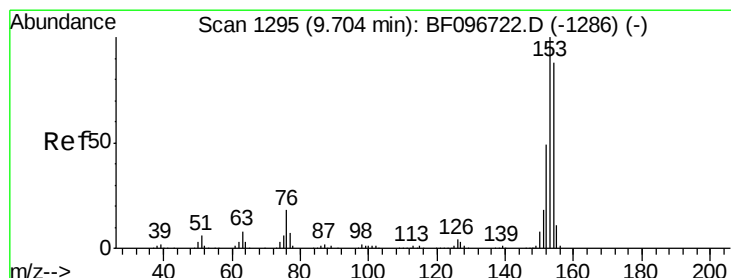
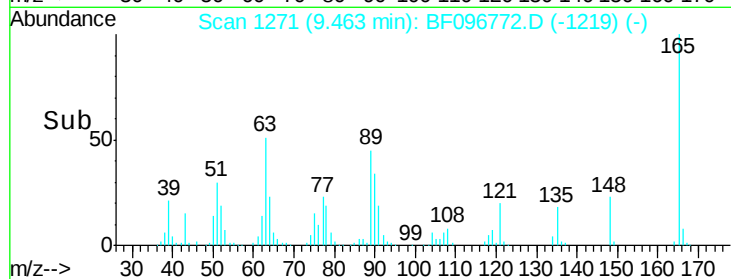
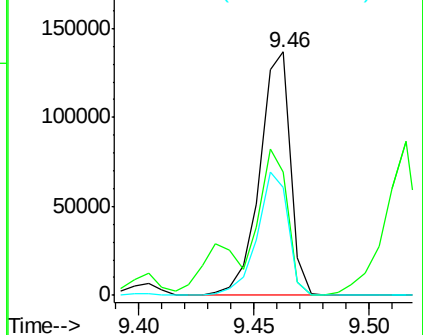
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Abundance Ion 165.00 (164.70 to 165.70): E

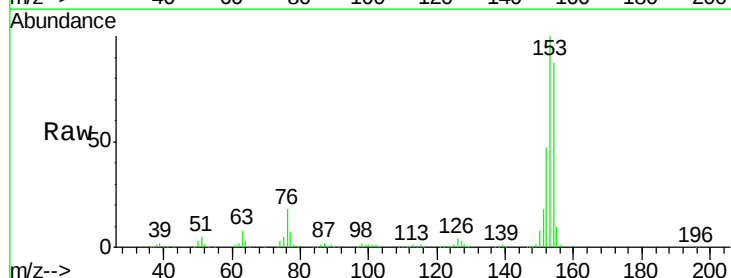
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#51
Acenaphthene
Concen: 34.854 ng
RT: 9.70 min Scan# 1312
Delta R.T. -0.00 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

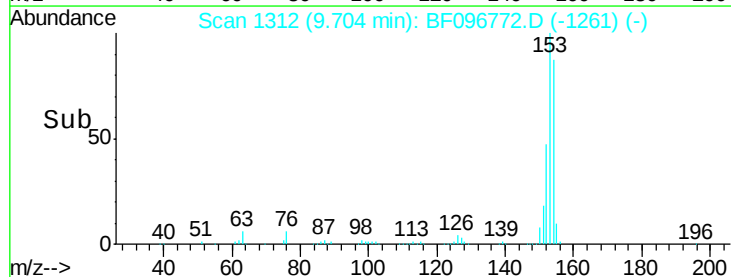
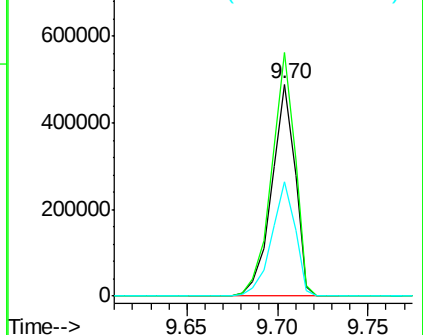
Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	114.9	90.5	135.7
152	54.1	43.6	65.4

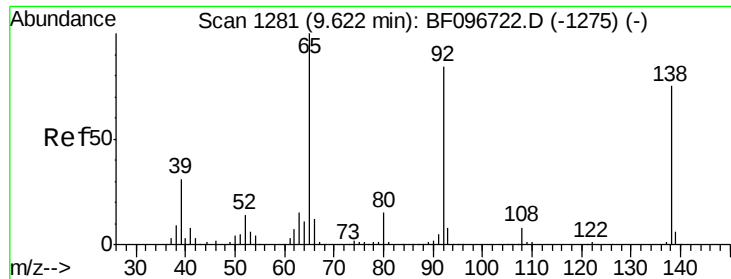


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





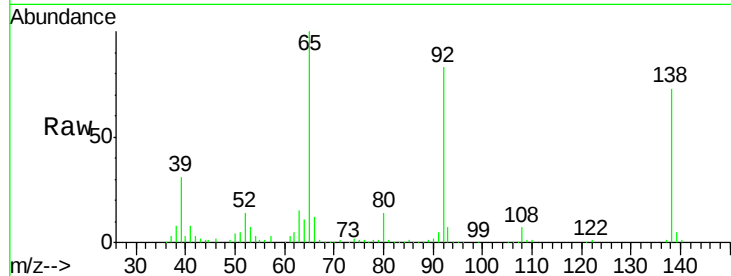
#52
3-Nitroaniline
Concen: 30.463 ng
RT: 9.62 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMSD

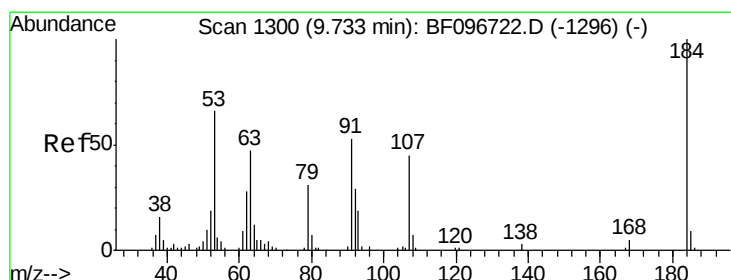
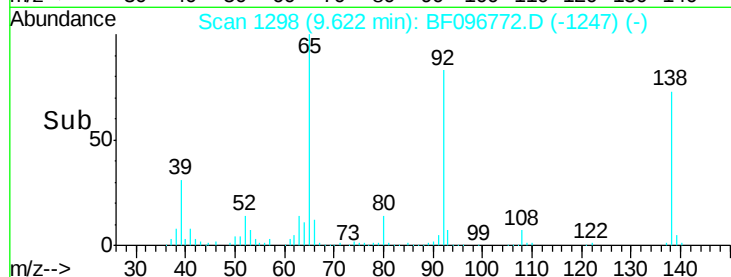
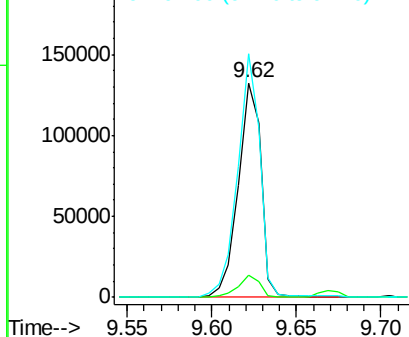
Tgt Ion	Ratio	Resp	Lower	Upper
138	100	124413		
108	10.1	9.1	13.7	
92	113.6	93.8	140.6	

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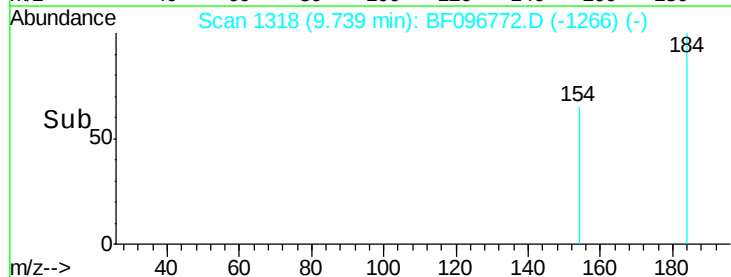
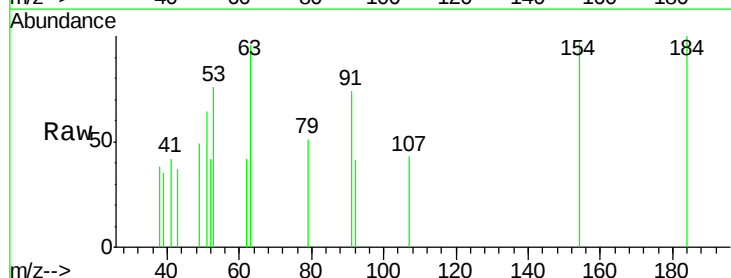
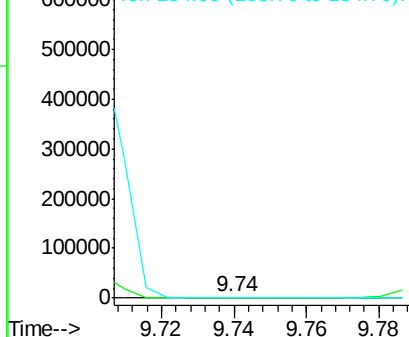
Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0

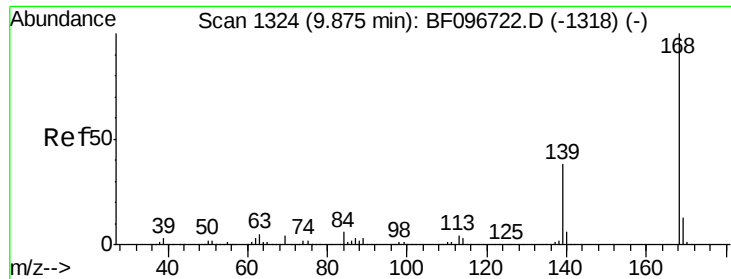


#53
2,4-Dinitrophenol
Concen: 7.414 ng
RT: 9.74 min Scan# 1318
Delta R.T. 0.01 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	1255		
63	96.5	62.7	94.1#	
154	96.6	81.1	121.7	

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





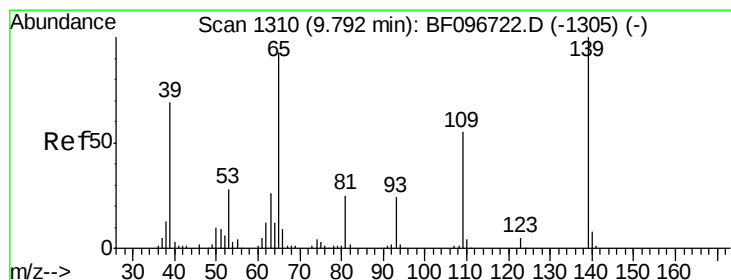
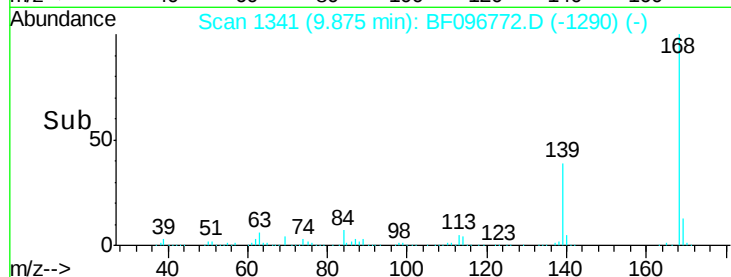
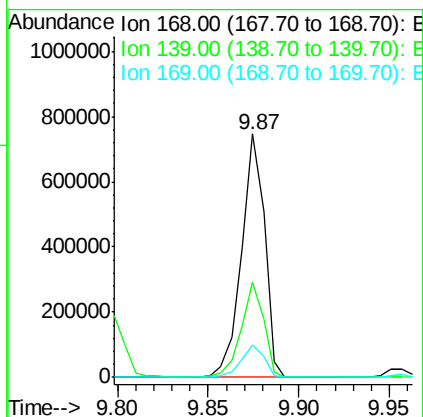
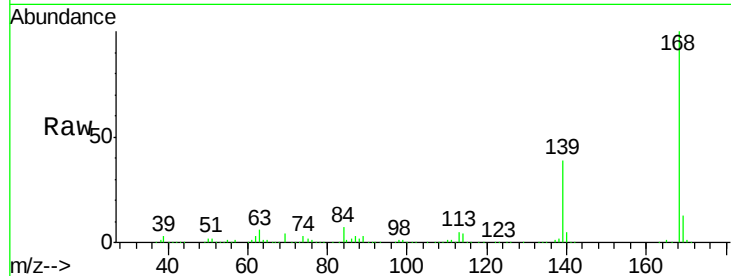
#54
Dibenzenofuran
Concen: 37.457 ng
RT: 9.87 min Scan# 1341
Delta R.T. -0.00 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMSD

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	659543		
139	39.0	30.6	45.8	
169	13.5	10.8	16.2	

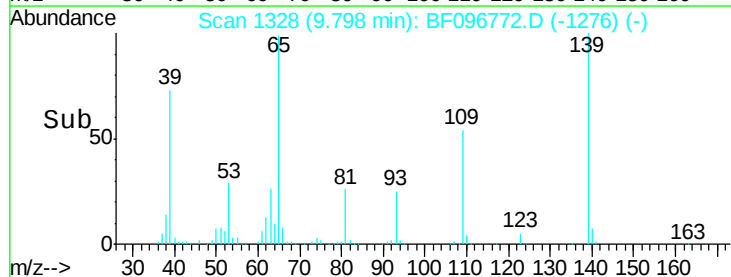
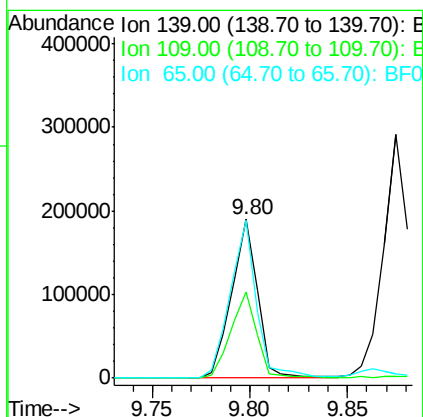
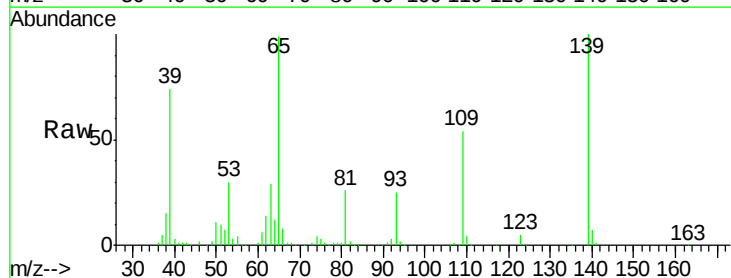
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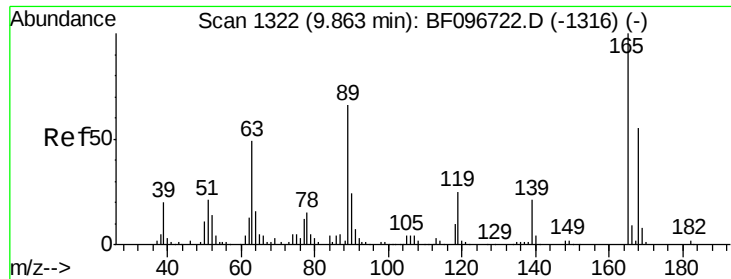
mohammad
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#55
4-Nitrophenol
Concen: 59.589 ng
RT: 9.80 min Scan# 1328
Delta R.T. 0.01 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	177797		
109	54.3	34.1	74.1	
65	99.3	31.4	71.4#	





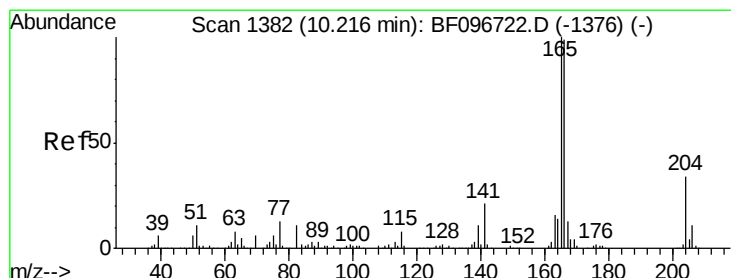
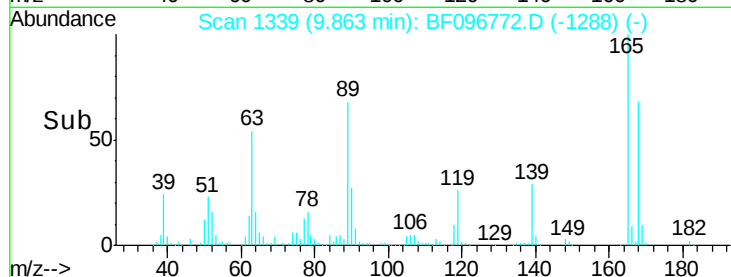
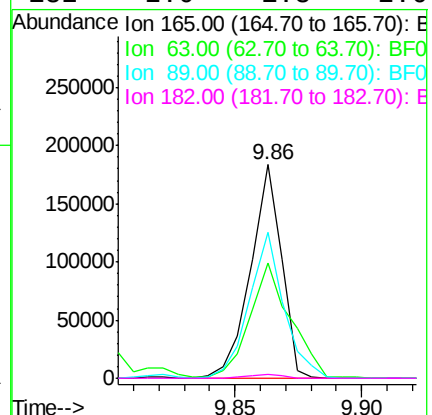
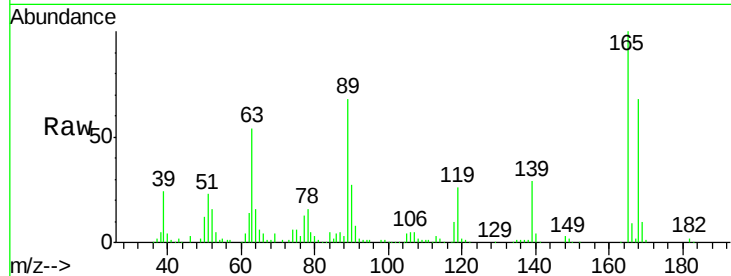
#56
2,4-Dinitrotoluene
Concen: 35.373 ng
RT: 9.86 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	54.2	25.4	38.0#
89	68.4	46.4	69.6
182	2.0	1.8	2.6

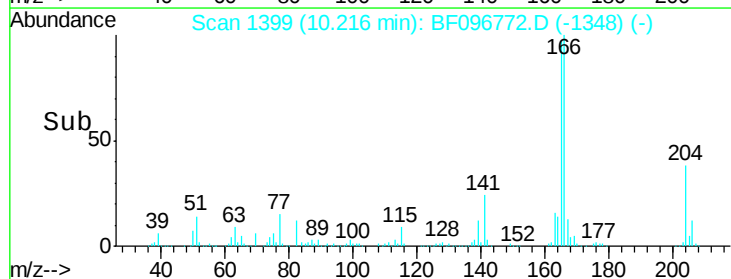
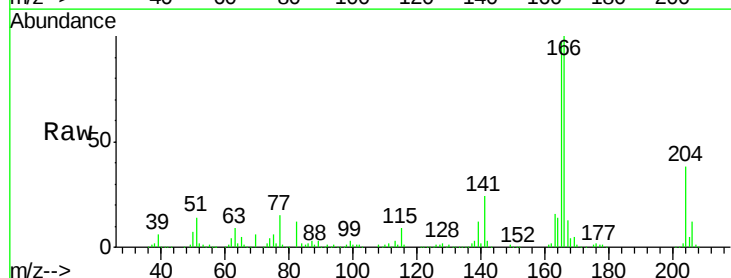
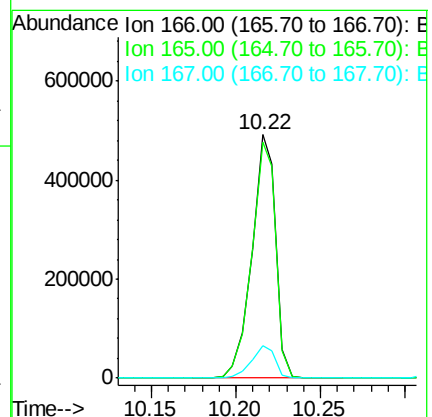
Manual Integrations
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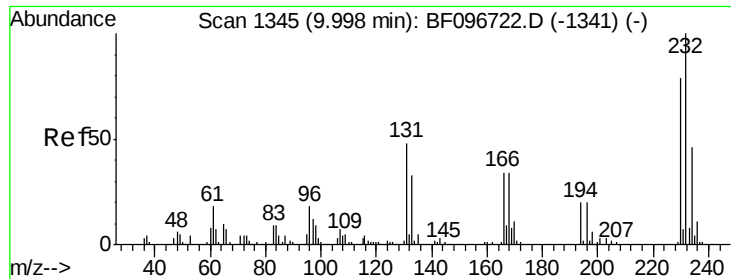
mohammad
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#57
Fluorene
Concen: 37.054 ng
RT: 10.22 min Scan# 1399
Delta R.T. 0.00 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
166	100		
165	96.8	78.8	118.2
167	13.4	10.6	16.0





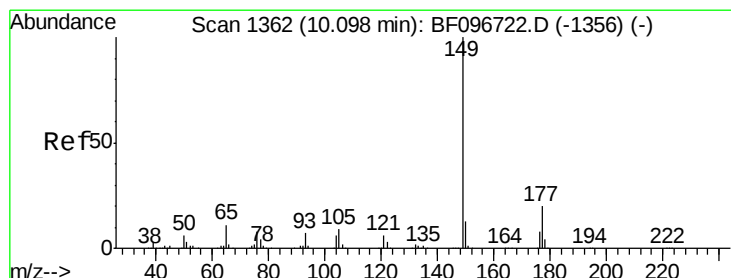
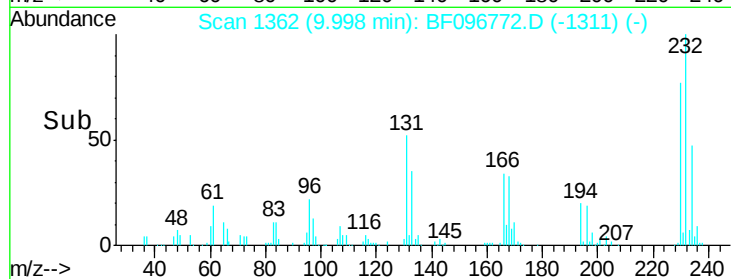
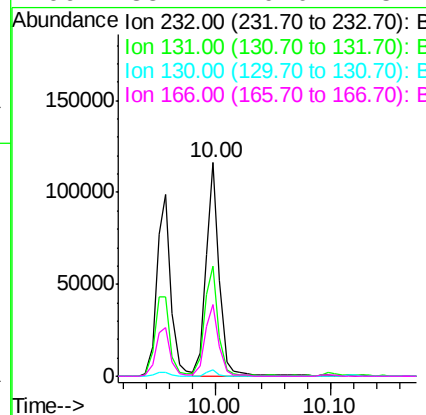
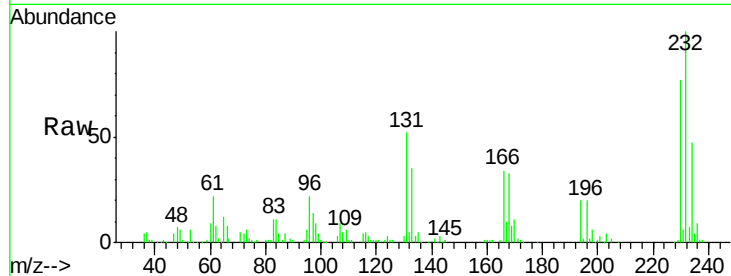
#58
2,3,4,6-Tetrachlorophenol
Concen: 32.056 ng
RT: 10.00 min Scan# 1362
Delta R.T. -0.00 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMSD

Tgt Ion	Ratio	Lower	Upper
232	100		
131	53.2	44.8	67.2
130	2.2	2.3	3.5
166	35.1	29.0	43.4

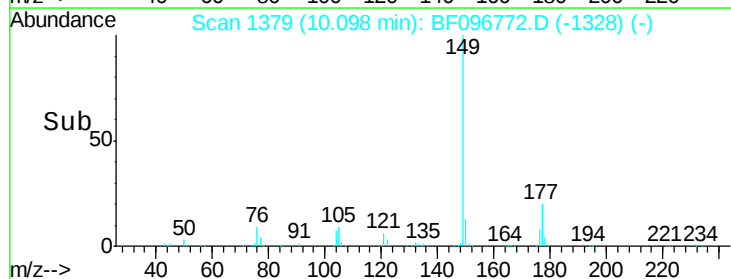
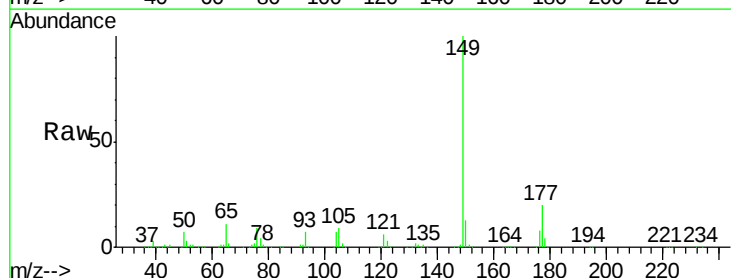
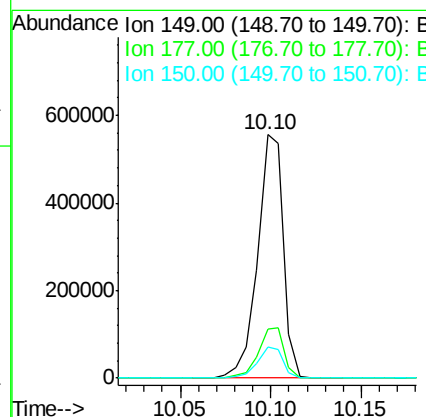
Manual Integrations
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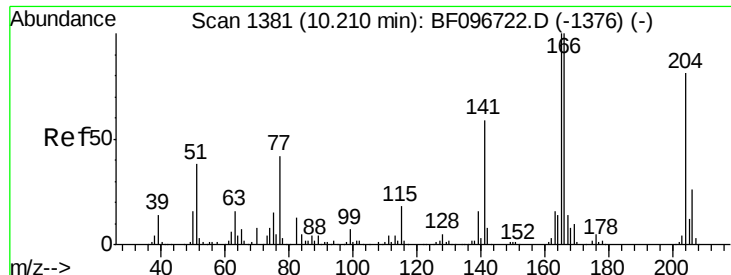
mohammad
7/17/2017 3:56:19 PM



#59
Diethylphthalate
Concen: 35.312 ng
RT: 10.10 min Scan# 1379
Delta R.T. -0.00 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.4	16.7	25.1
150	12.7	10.2	15.2





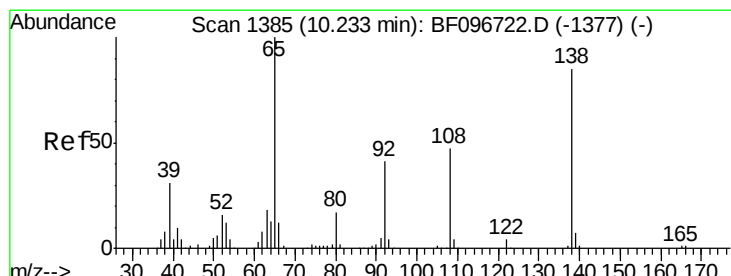
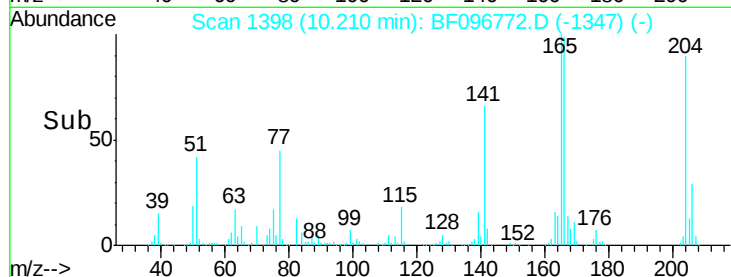
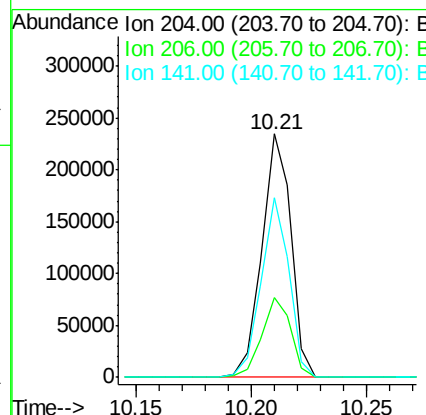
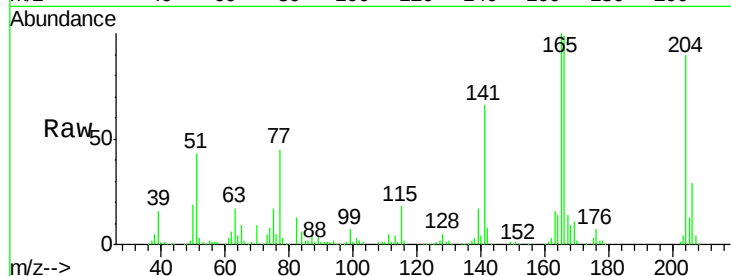
#60
 4-Chlorophenyl-phenylether
 Concen: 36.464 ng
 RT: 10.21 min Scan# 1398
 Delta R.T. 0.00 min
 Lab File: BF096772.D
 Acq: 14 Jul 2017 13:36

Instrument :
 BNA_F
 ClientSampleId :
 WEST-GAS-SIDEWALLMSD

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	206770		
206	32.8	26.2	39.2	
141	73.8	60.8	91.2	

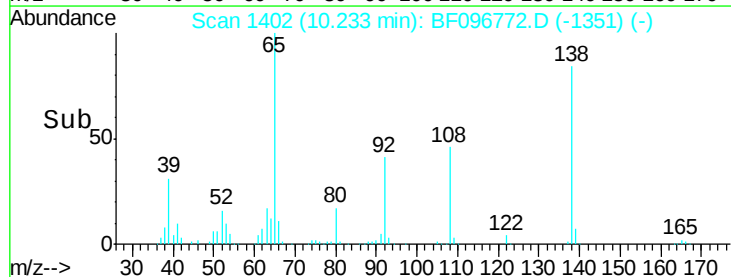
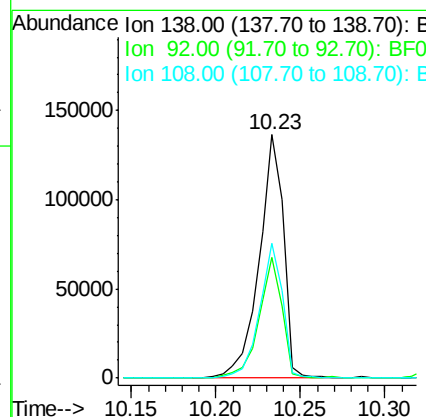
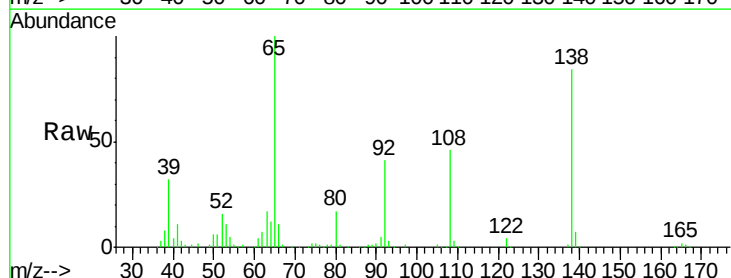
Manual Integrations
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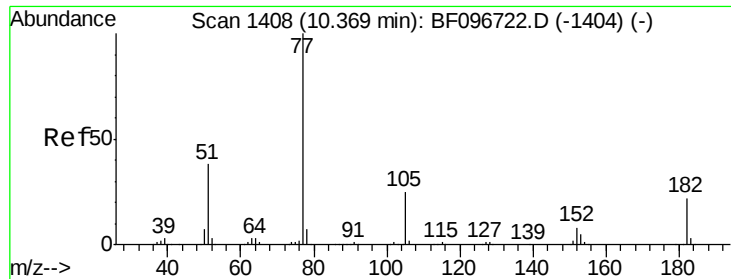
mohammad
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#61
 4-Nitroaniline
 Concen: 35.878 ng
 RT: 10.23 min Scan# 1402
 Delta R.T. -0.00 min
 Lab File: BF096772.D
 Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	137600		
92	49.4	21.8	61.8	
108	55.3	42.3	82.3	





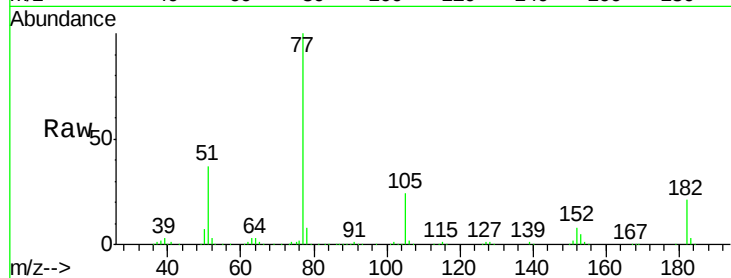
#62
Azobenzene
Concen: 39.224 ng
RT: 10.37 min Scan# 1425
Delta R.T. -0.00 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMSD

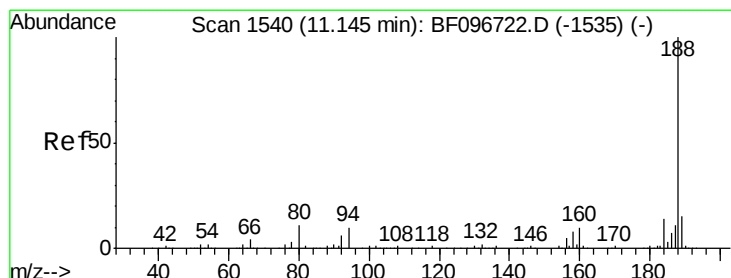
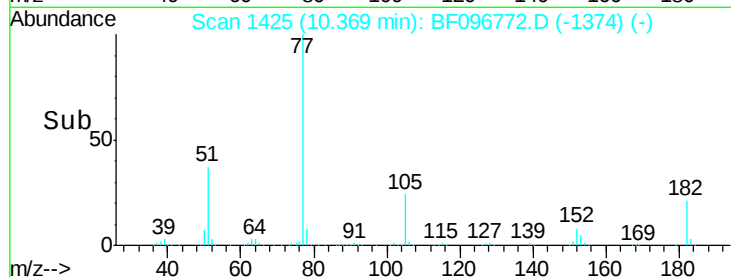
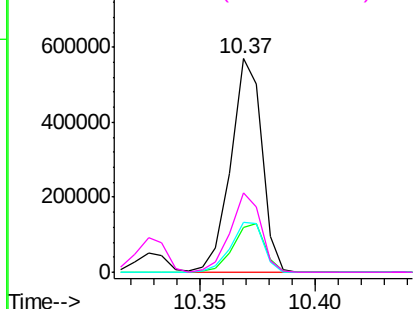
Tgt Ion	Ratio	Lower	Upper
77	100		
182	21.2	0.1	40.1
105	23.7	3.6	43.6
51	37.2	9.4	49.4

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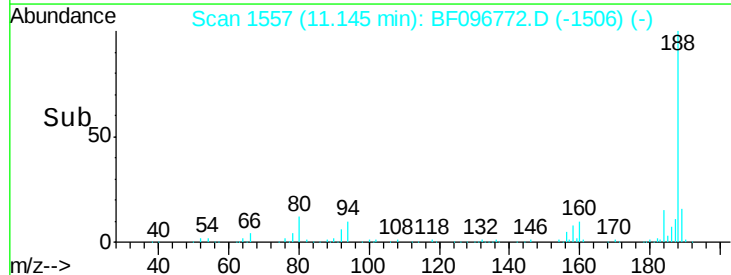
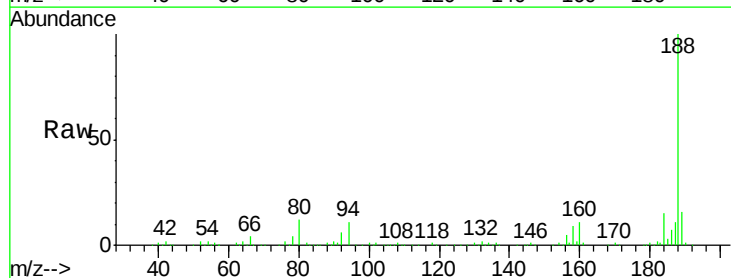
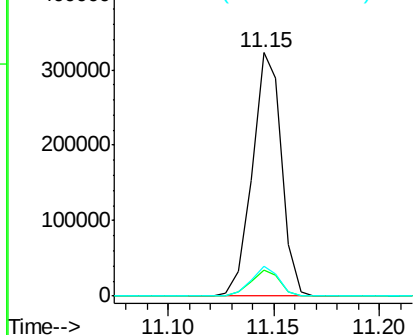
Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0

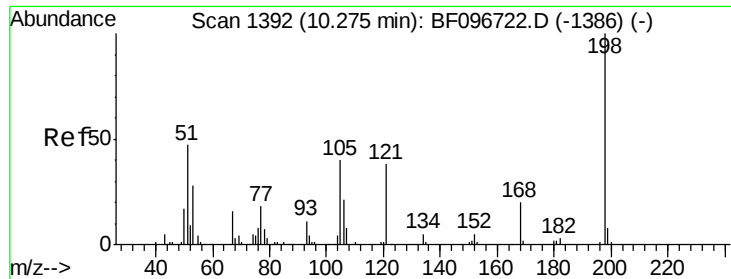


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.15 min Scan# 1557
Delta R.T. -0.00 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.9	9.4	14.2
80	12.0	10.2	15.2

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





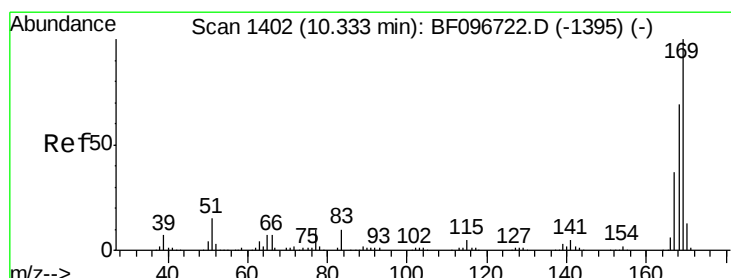
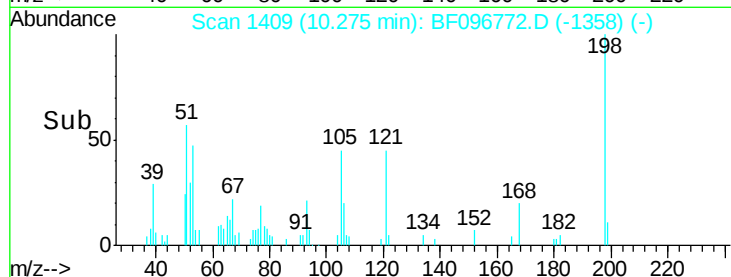
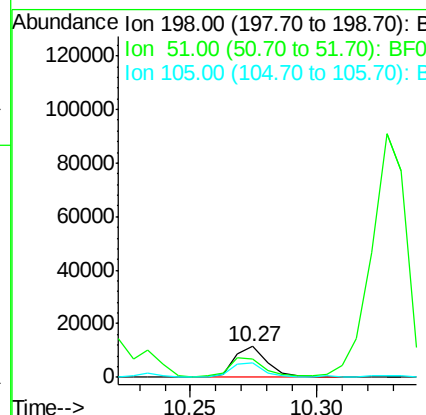
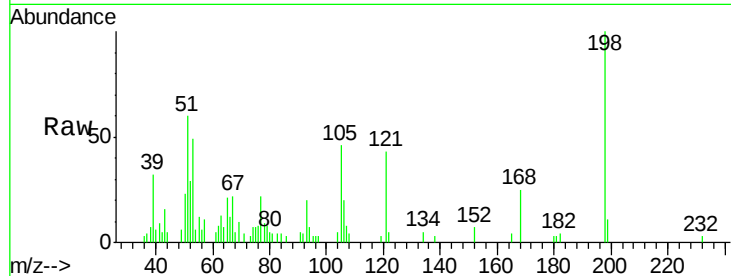
#64
4,6-Dinitro-2-methylphenol
Concen: 5.251 ng
RT: 10.27 min Scan# 1409
Delta R.T. -0.00 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMSD

Tgt Ion	Ratio	Lower	Upper
198	100		
51	59.6	53.2	93.2
105	46.5	45.8	85.8

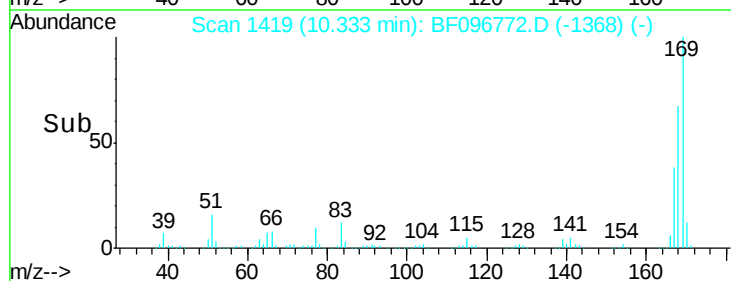
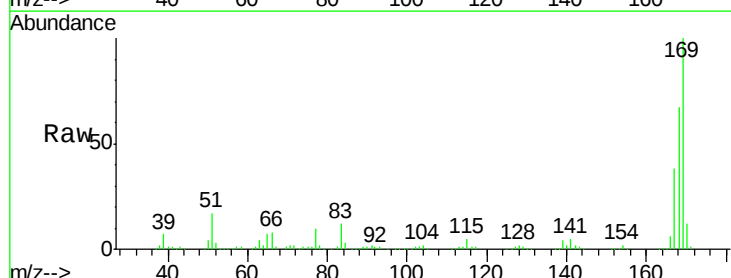
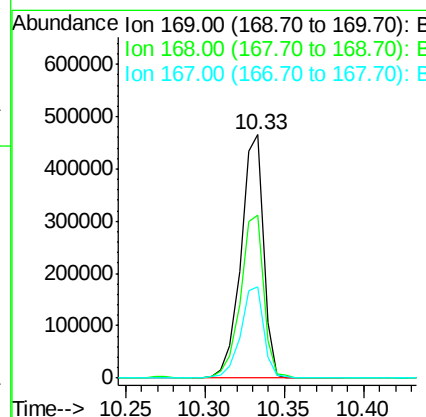
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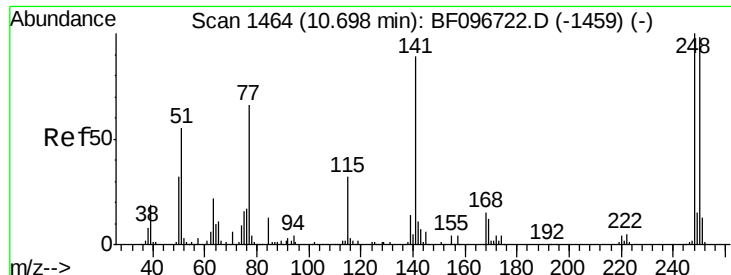
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#65
n-Nitrosodiphenylamine
Concen: 41.302 ng
RT: 10.33 min Scan# 1419
Delta R.T. -0.00 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.2	79.8
167	37.5	29.5	44.3





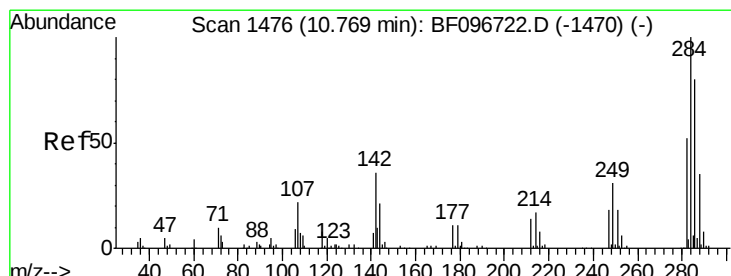
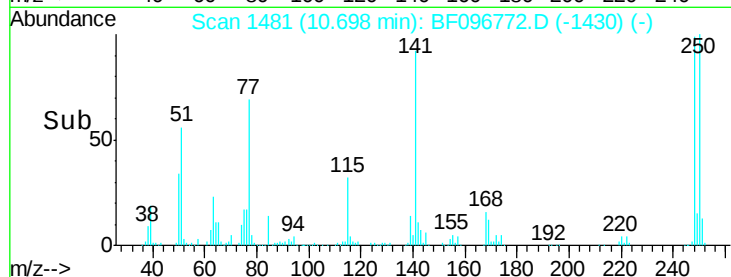
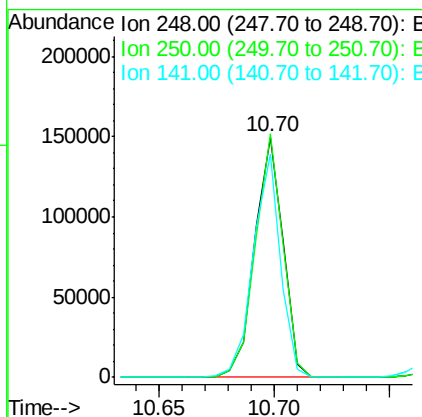
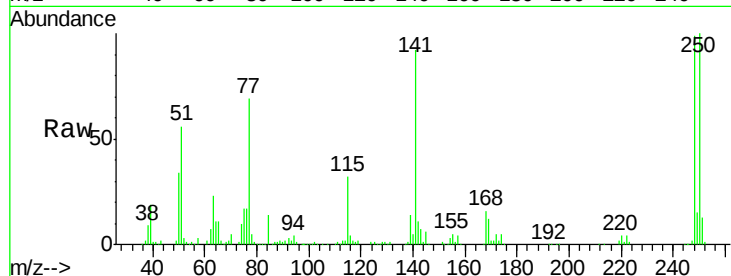
#66
 4-Bromophenyl-phenylether
 Concen: 40.502 ng
 RT: 10.70 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: BF096772.D
 Acq: 14 Jul 2017 13:36

Instrument :
 BNA_F
 ClientSampleId :
 WEST-GAS-SIDEWALLMSD

Tgt Ion	Ratio	Lower	Upper
248	100		
250	101.4	76.8	115.2
141	92.8	68.6	103.0

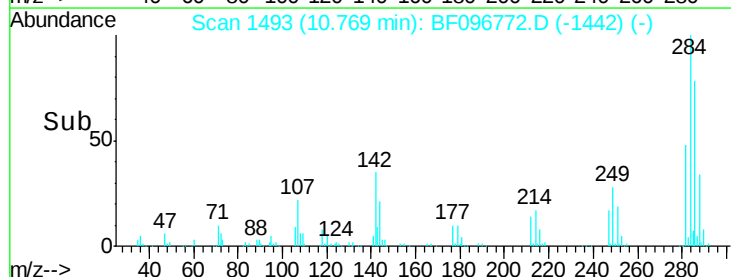
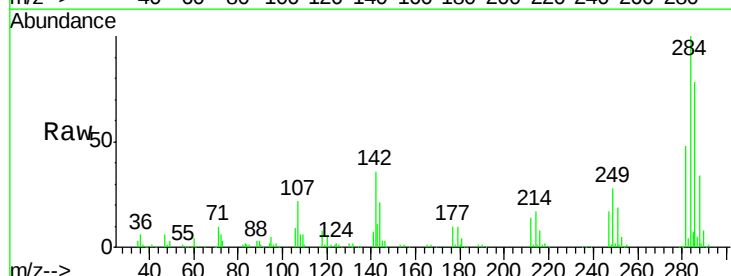
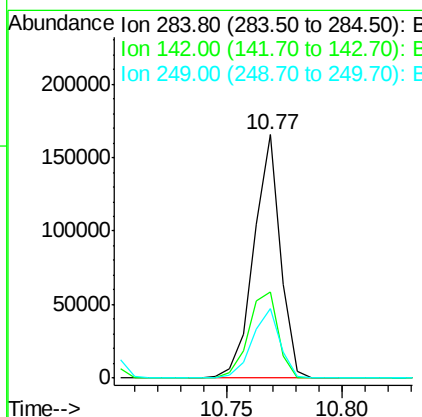
Manual Integrations
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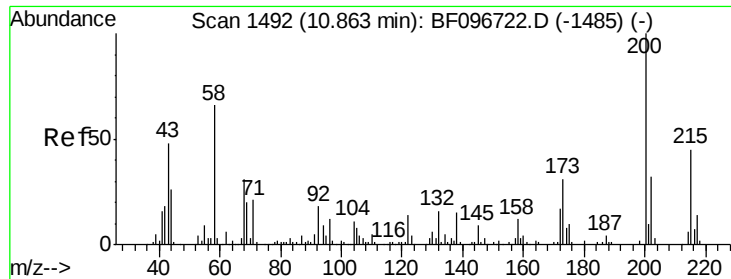
mohammad
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#67
 Hexachlorobenzene
 Concen: 37.611 ng
 RT: 10.77 min Scan# 1493
 Delta R.T. -0.00 min
 Lab File: BF096772.D
 Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Lower	Upper
284	100		
142	35.6	22.8	34.2#
249	28.4	24.0	36.0





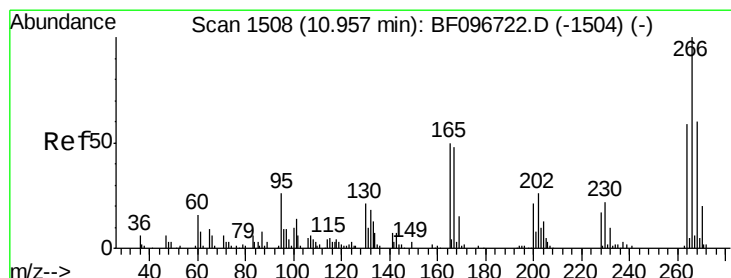
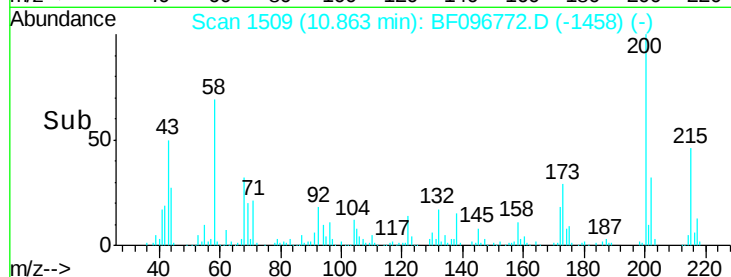
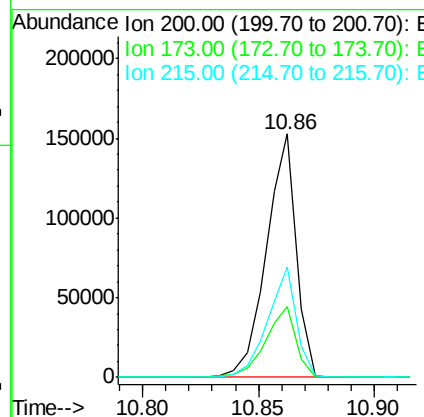
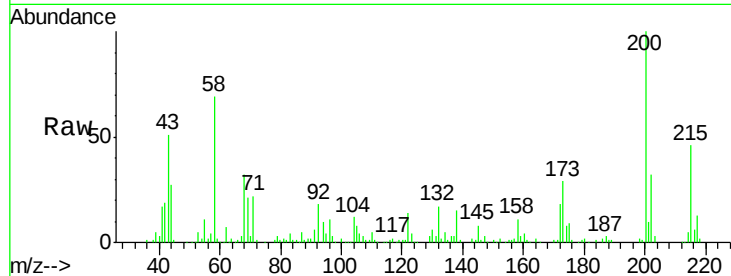
#68
 Atrazine
 Concen: 43.274 ng
 RT: 10.86 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: BF096772.D
 Acq: 14 Jul 2017 13:36

Instrument :
 BNA_F
 ClientSampleId :
 WEST-GAS-SIDEWALLMSD

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	136944		
173	28.9	6.3	46.3	
215	45.6	27.2	67.2	

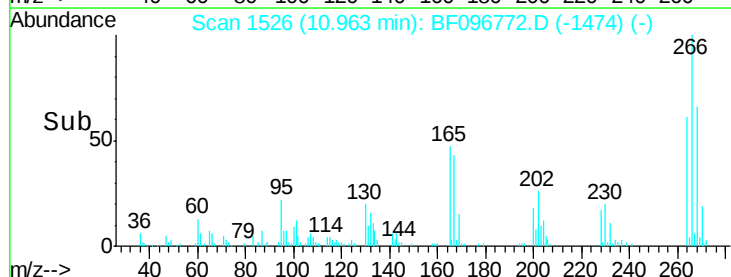
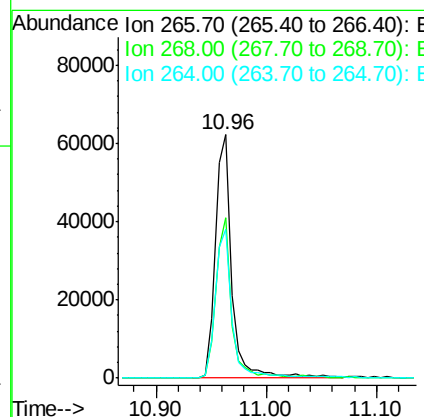
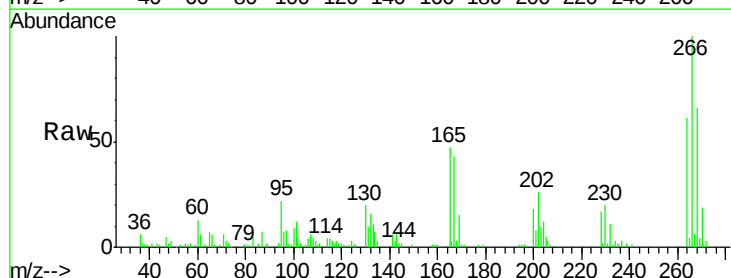
Manual Integrations
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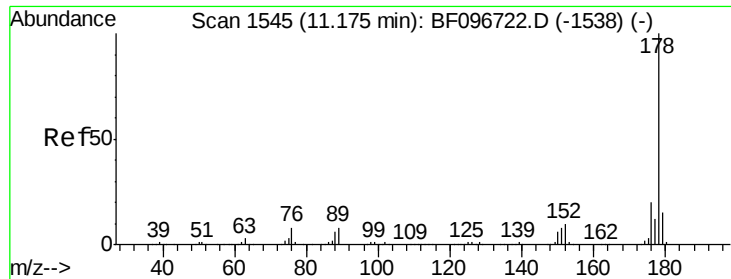
mohammad
 7/17/2017 3:56:19 PM



#69
 Pentachlorophenol
 Concen: 36.891 ng
 RT: 10.96 min Scan# 1526
 Delta R.T. 0.01 min
 Lab File: BF096772.D
 Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	62972		
268	66.0	51.1	76.7	
264	61.1	51.7	77.5	





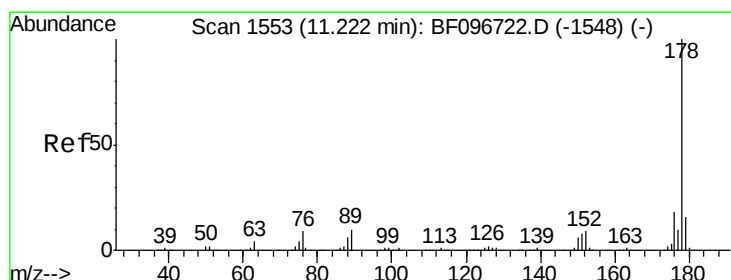
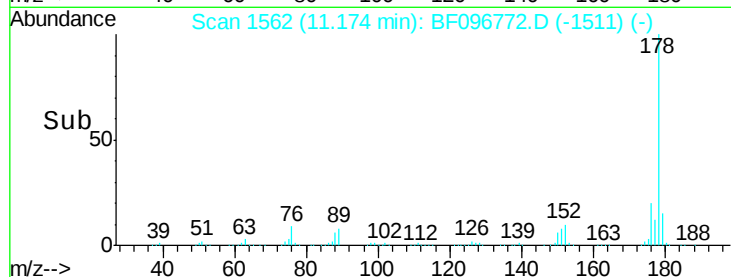
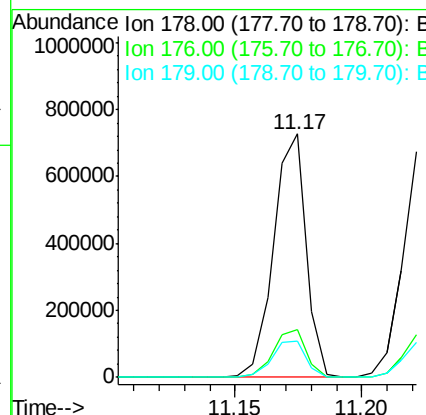
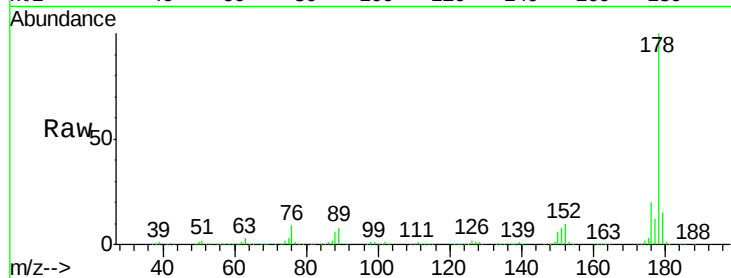
#70
Phenanthrene
Concen: 38.874 ng
RT: 11.17 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMSD

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.2	24.4
179	14.7	12.6	19.0

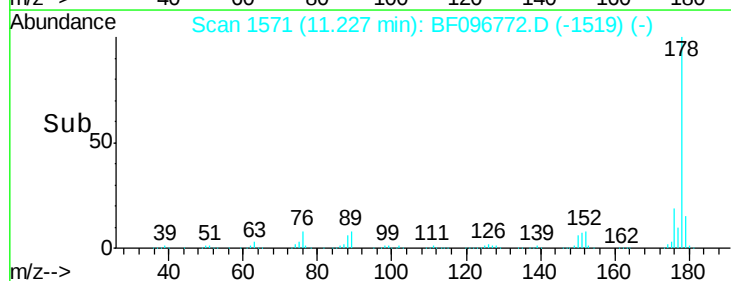
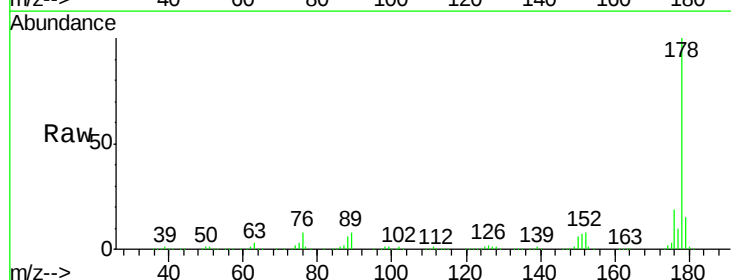
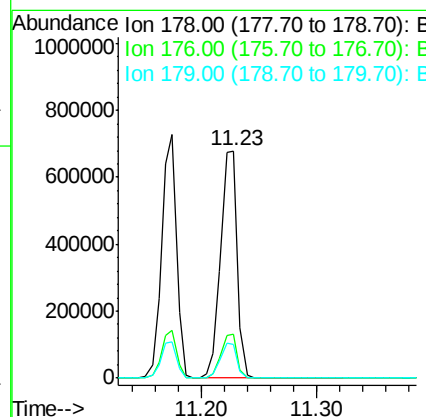
Manual Integrations
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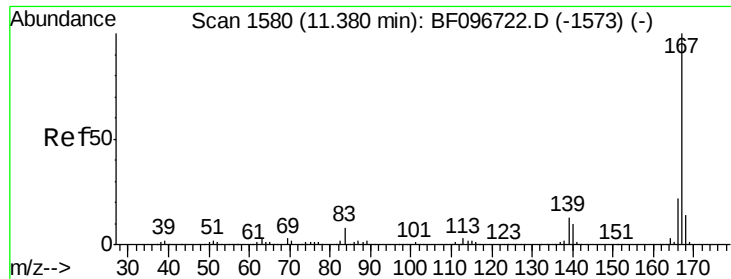
mohammad
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#71
Anthracene
Concen: 39.824 ng
RT: 11.23 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	14.9	12.7	19.1





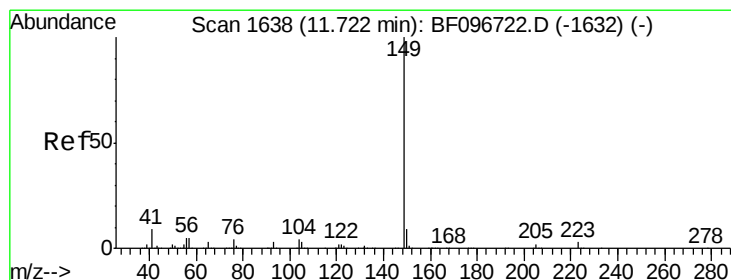
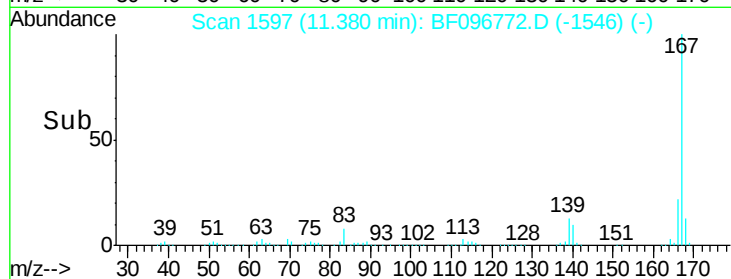
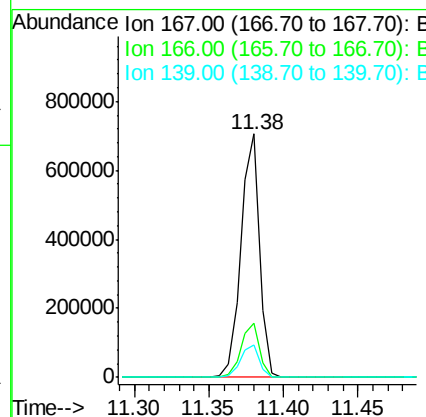
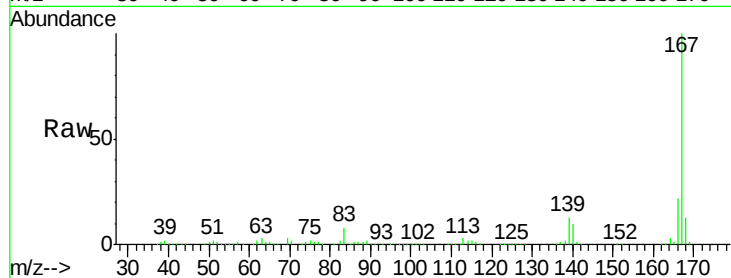
#72
 Carbazole
 Concen: 37.442 ng
 RT: 11.38 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: BF096772.D
 Acq: 14 Jul 2017 13:36

Instrument :
 BNA_F
 ClientSampleId :
 WEST-GAS-SIDEWALLMSD

Tgt	Ion	Resp	Lower	Upper
167	100			
166	22.3	18.1	27.1	
139	13.4	11.7	17.5	

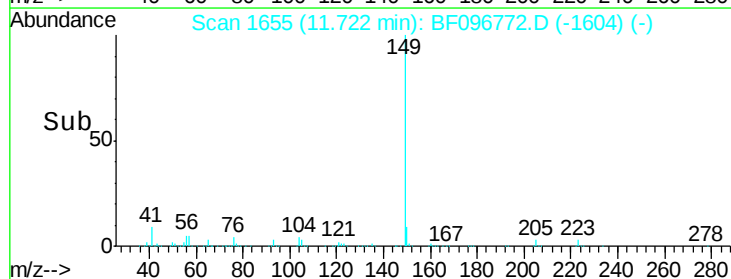
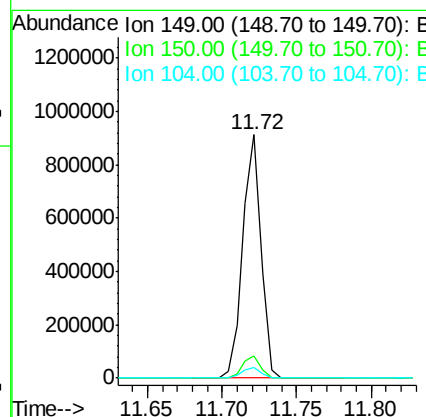
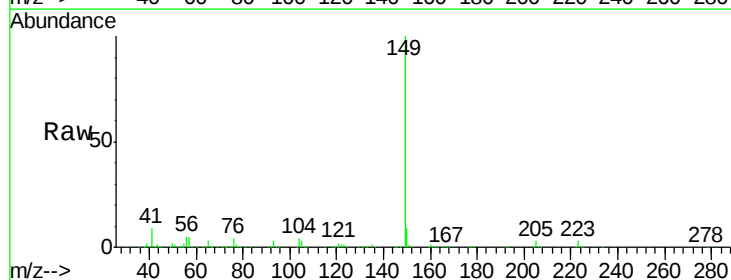
Manual Integrations
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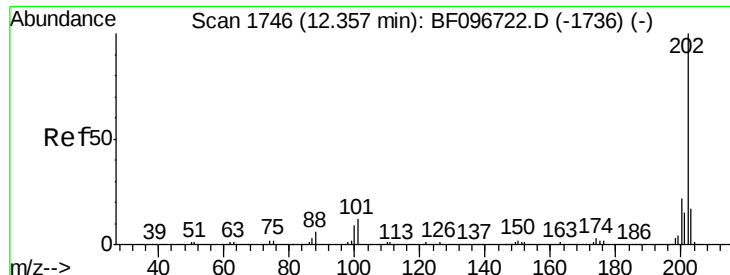
mohammad
 7/17/2017 3:56:19 PM



#73
 Di-n-butylphthalate
 Concen: 37.964 ng
 RT: 11.72 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: BF096772.D
 Acq: 14 Jul 2017 13:36

Tgt	Ion	Resp	Lower	Upper
149	100			
150	9.1	7.7	11.5	
104	4.3	4.0	6.0	





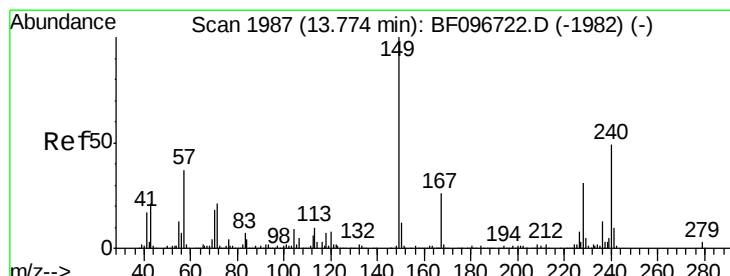
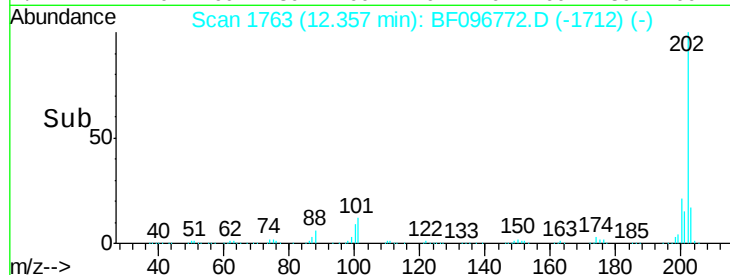
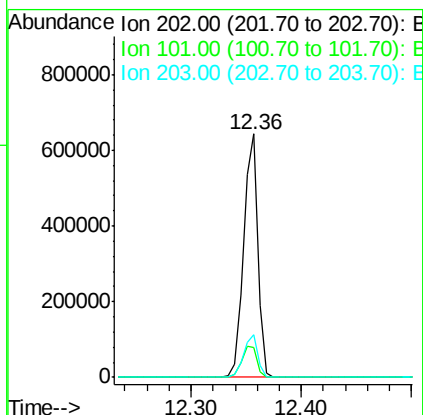
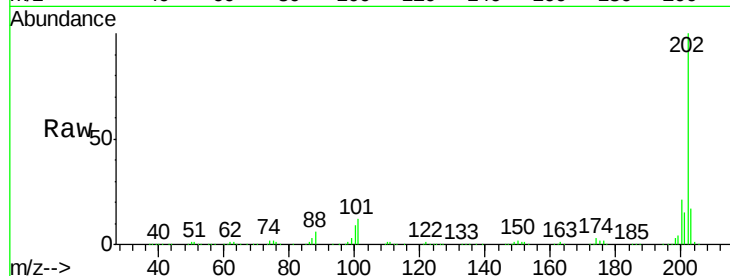
#74
 Fluoranthene
 Concen: 35.981 ng
 RT: 12.36 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: BF096772.D
 Acq: 14 Jul 2017 13:36

Instrument :
 BNA_F
 ClientSampleId :
 WEST-GAS-SIDEWALLMSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.4	0.0	33.2
203	17.4	0.0	38.1

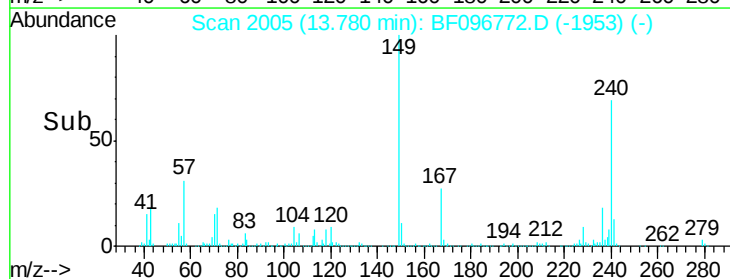
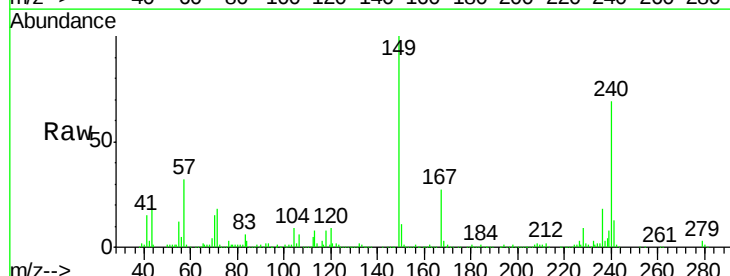
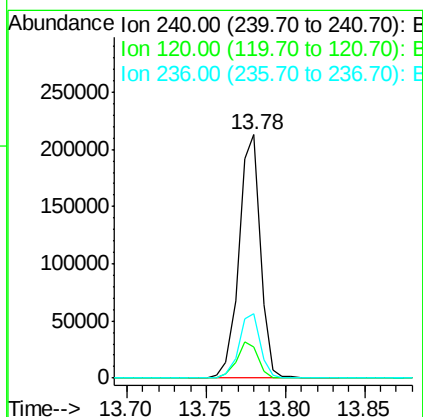
Manual Integrations
 APPROVED

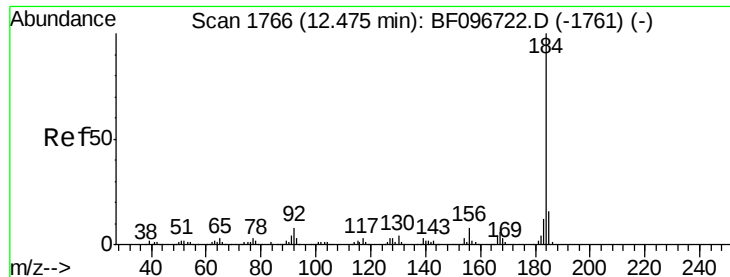
mohammad
 7/17/2017 3:56:19 PM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.78 min Scan# 2005
 Delta R.T. 0.01 min
 Lab File: BF096772.D
 Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	13.0	5.8	8.8#
236	26.6	20.5	30.7





#76

Benzidine

Concen: 43.688 ng

RT: 12.47 min Scan# 1783

Delta R.T. -0.00 min

Lab File: BF096772.D

Acq: 14 Jul 2017 13:36

Instrument :

BNA_F

ClientSampleId :

WEST-GAS-SIDEWALLMSD

Tgt Ion:184 Resp: 285890
Ion Ratio Lower Upper

184 100

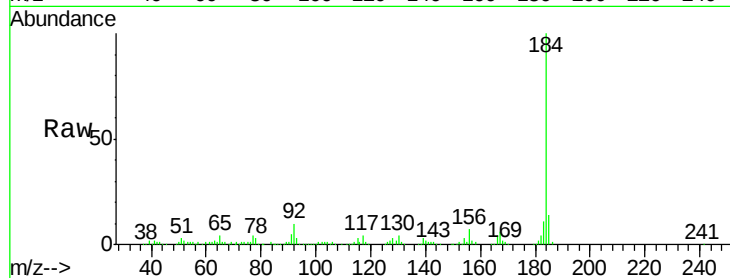
185 14.4 15.5 23.3#

183 11.1 9.8 14.6

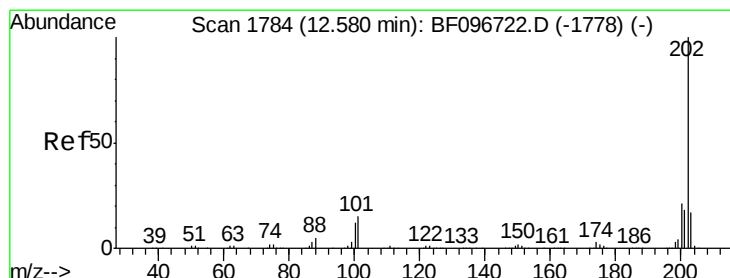
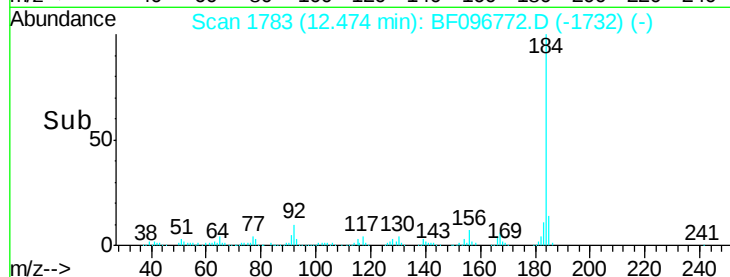
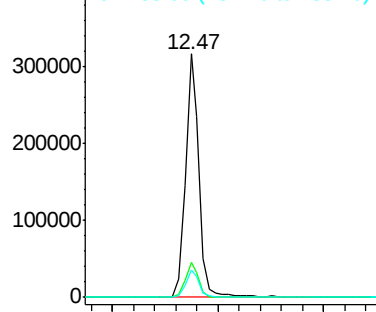
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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 32.320 ng

RT: 12.58 min Scan# 1801

Delta R.T. -0.00 min

Lab File: BF096772.D

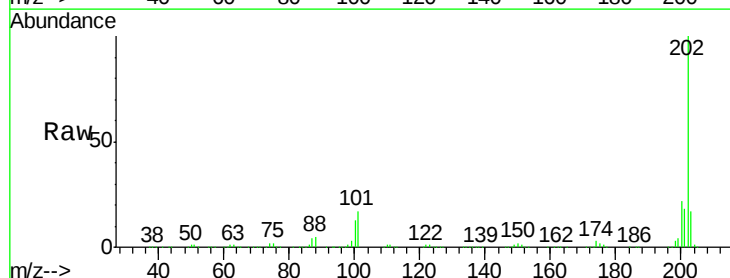
Acq: 14 Jul 2017 13:36

Tgt Ion:202 Resp: 585921
Ion Ratio Lower Upper

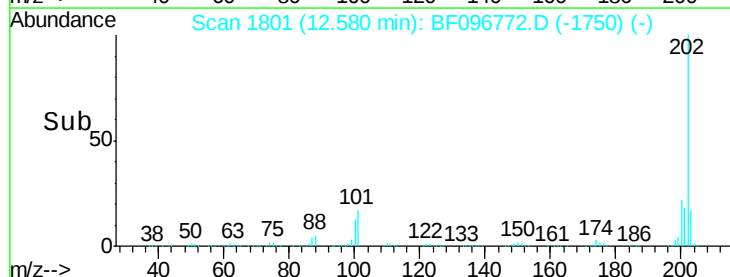
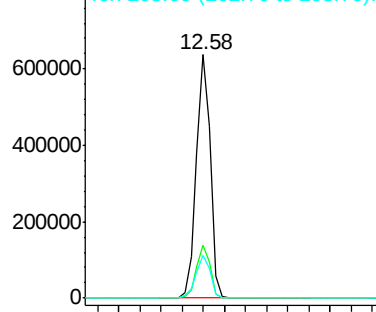
202 100

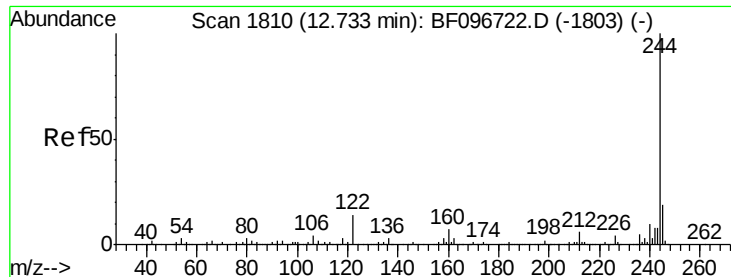
200 21.7 17.6 26.4

203 17.3 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 55.544 ng

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF096772.D

Acq: 14 Jul 2017 13:36

Instrument :

BNA_F

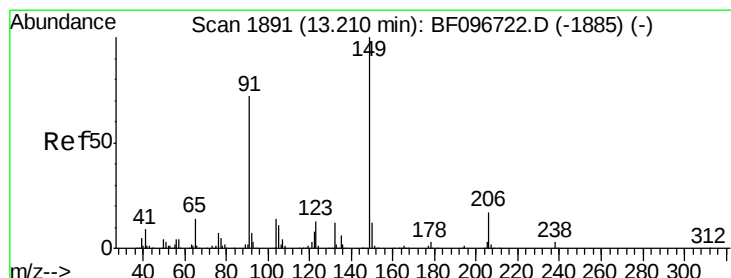
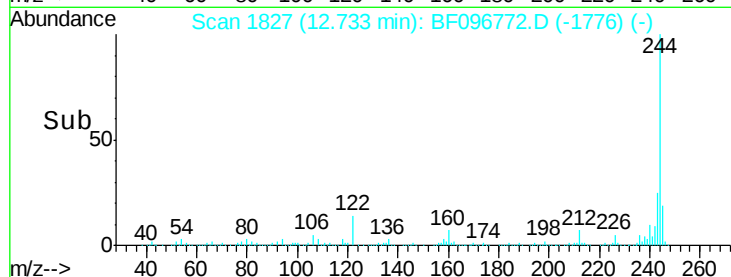
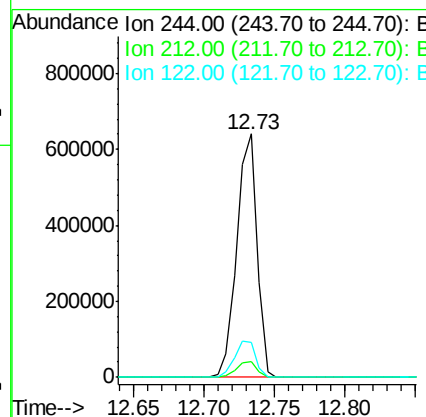
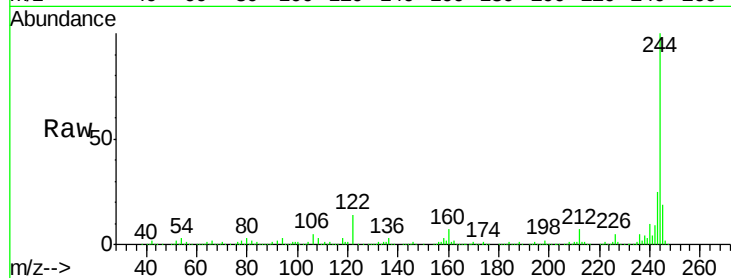
ClientSampleId :

WEST-GAS-SIDEWALLMSD

Tgt Ion:	244	Resp:	639750
Ion Ratio	Lower	Upper	
244	100		
212	6.7	6.0	9.0
122	14.3	10.3	15.5

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#79

Butylbenzylphthalate

Concen: 67.437 ng

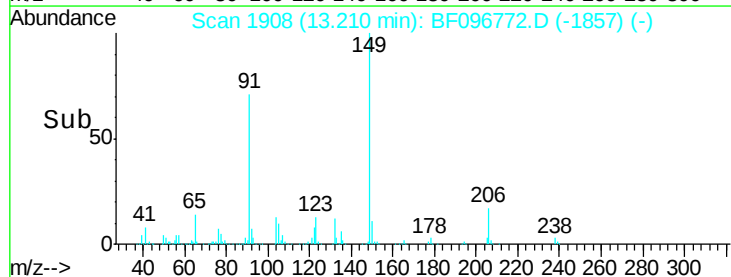
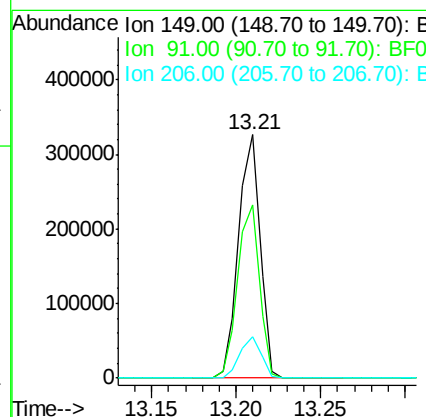
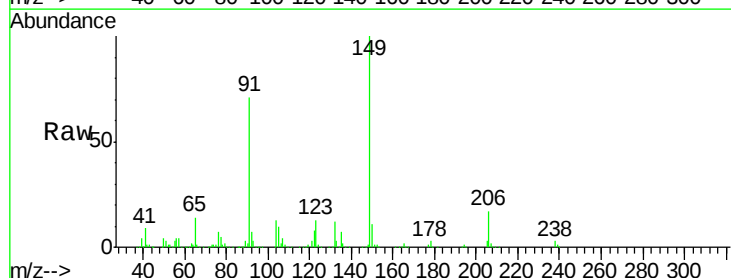
RT: 13.21 min Scan# 1908

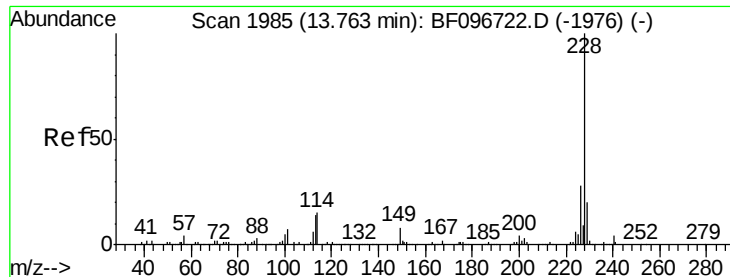
Delta R.T. -0.00 min

Lab File: BF096772.D

Acq: 14 Jul 2017 13:36

Tgt Ion:	149	Resp:	290433
Ion Ratio	Lower	Upper	
149	100		
91	70.9	45.0	67.4#
206	16.8	17.0	25.6#





#80

Benzo(a)anthracene

Concen: 36.611 ng

RT: 13.77 min Scan# 2003

Delta R.T. 0.01 min

Lab File: BF096772.D

Acq: 14 Jul 2017 13:36

Instrument :

BNA_F

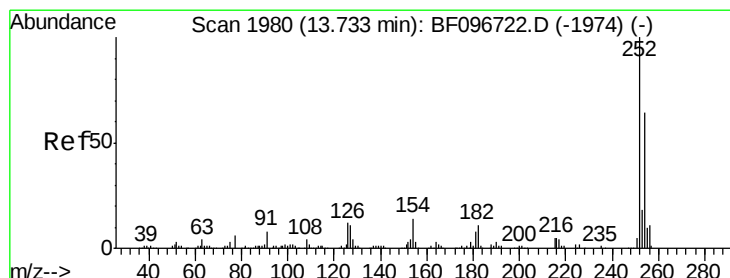
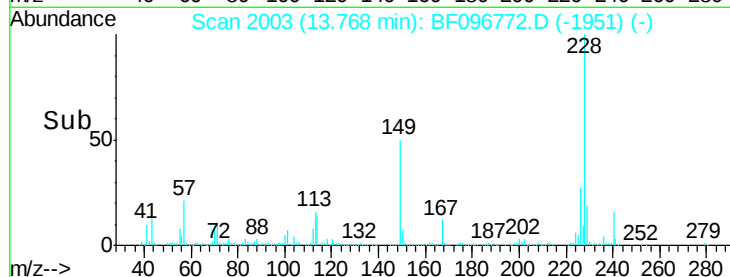
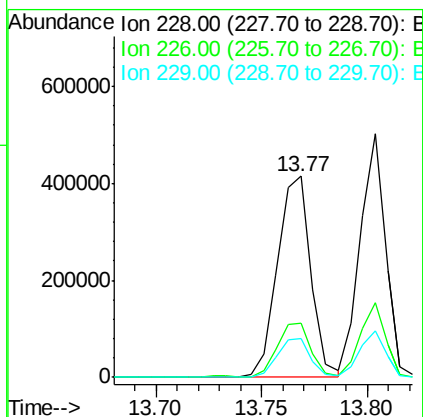
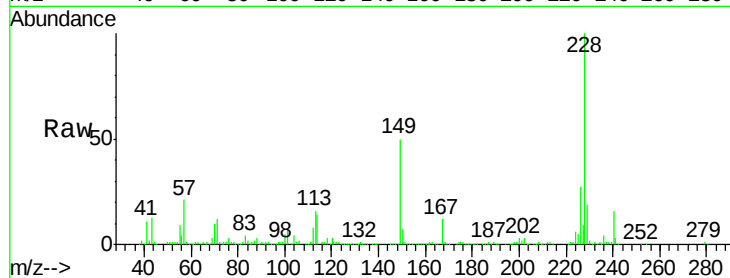
ClientSampleId :

WEST-GAS-SIDEWALLMSD

Tgt Ion:	228	Resp:	455662
Ion Ratio	Lower	Upper	
228	100		
226	27.2	22.6	33.8
229	19.1	16.3	24.5

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#81

3,3'-Dichlorobenzidine

Concen: 28.127 ng

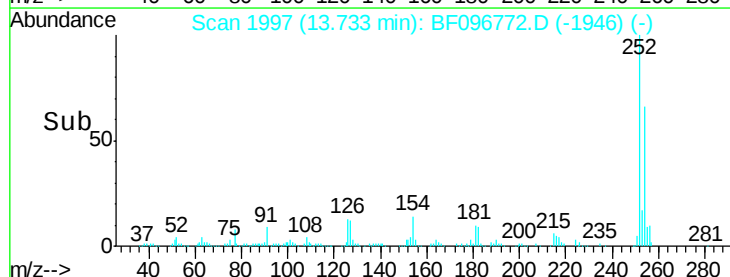
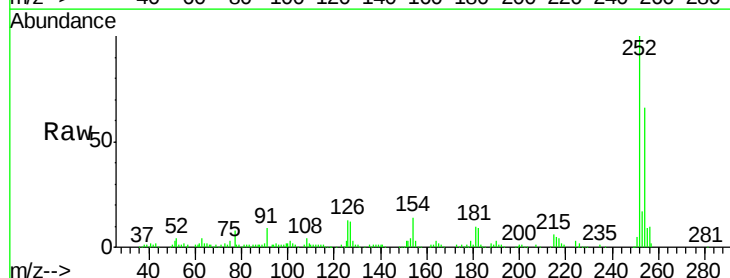
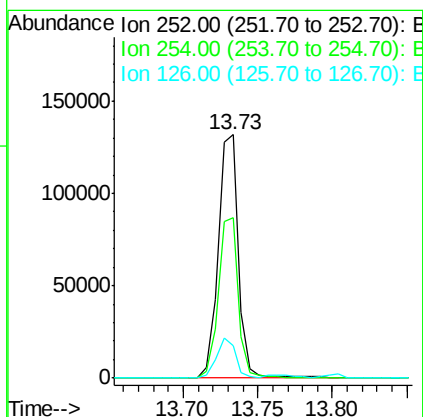
RT: 13.73 min Scan# 1997

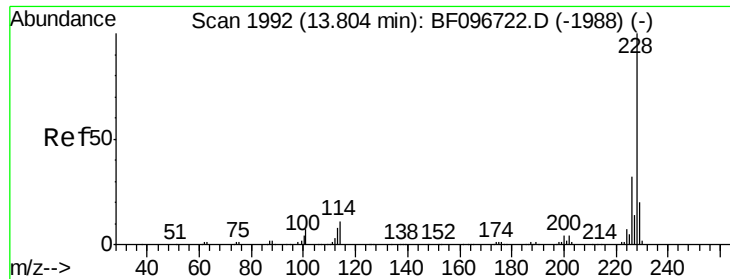
Delta R.T. -0.00 min

Lab File: BF096772.D

Acq: 14 Jul 2017 13:36

Tgt Ion:	252	Resp:	125887
Ion Ratio	Lower	Upper	
252	100		
254	66.1	51.5	77.3
126	13.1	15.8	23.8#





#82

Chrysene

Concen: 34.546 ng

RT: 13.80 min Scan# 2009

Delta R.T. -0.00 min

Lab File: BF096772.D

Acq: 14 Jul 2017 13:36

Instrument :

BNA_F

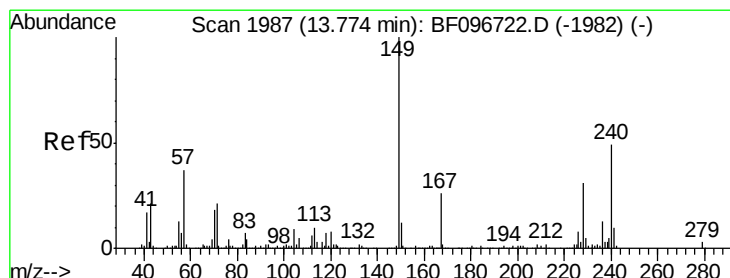
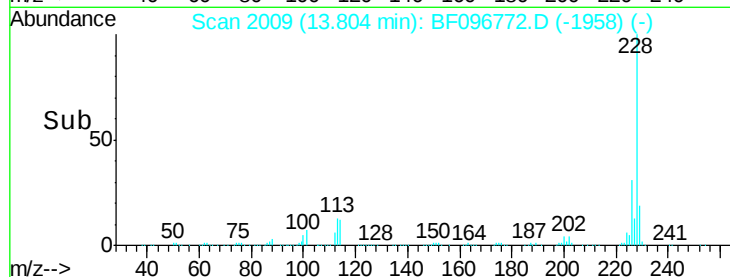
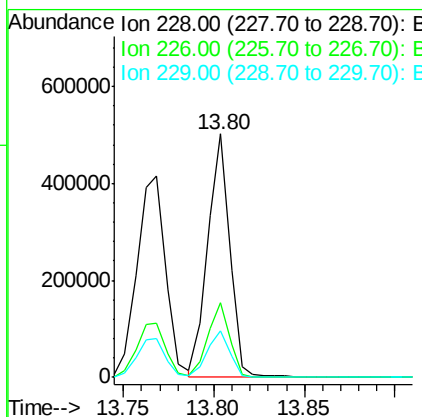
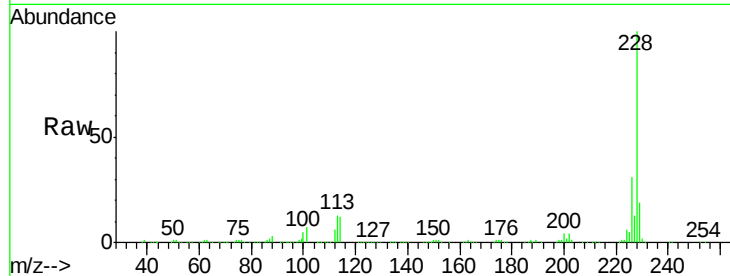
ClientSampleId :

WEST-GAS-SIDEWALLMSD

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.9	37.3
229	18.9	15.8	23.6

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#83

Bis(2-ethylhexyl)phthalate

Concen: 34.889 ng

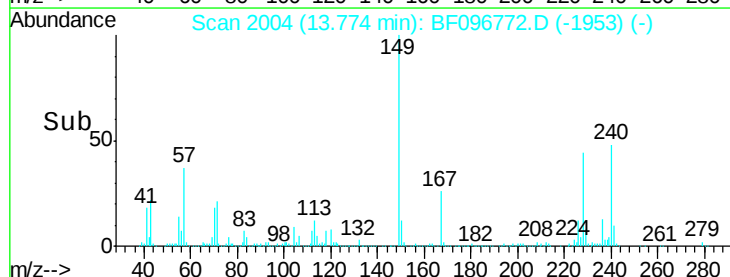
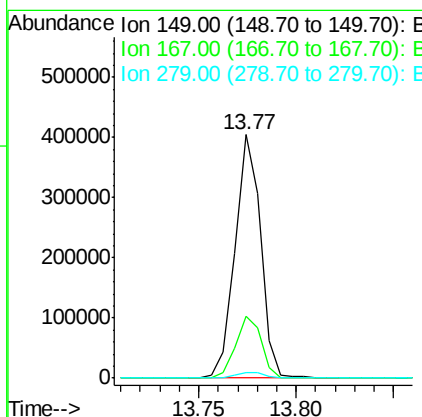
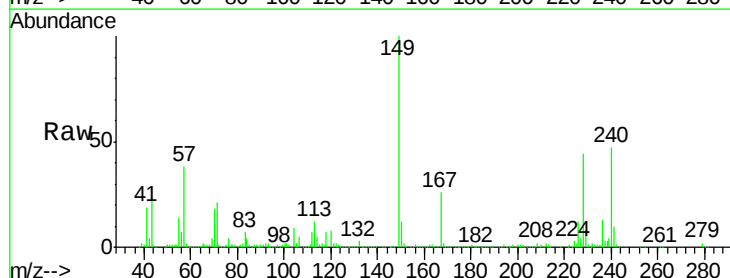
RT: 13.77 min Scan# 2004

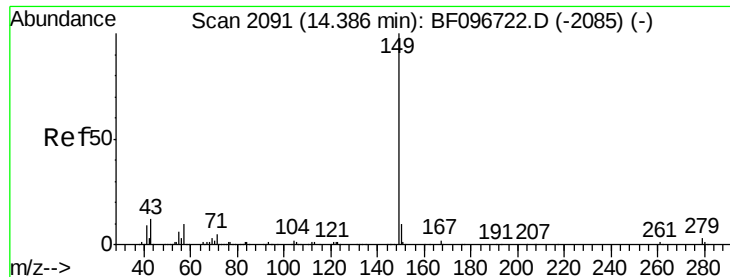
Delta R.T. -0.00 min

Lab File: BF096772.D

Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.6	21.0	31.4
279	2.4	1.9	2.9





#84

Di-n-octyl phthalate

Concen: 36.174 ng

RT: 14.38 min Scan# 2107

Delta R.T. -0.01 min

Lab File: BF096772.D

Acq: 14 Jul 2017 13:36

Instrument :

BNA_F

ClientSampleId :

WEST-GAS-SIDEWALLMSD

Tgt Ion:149 Resp: 627227

Ion Ratio Lower Upper

149 100

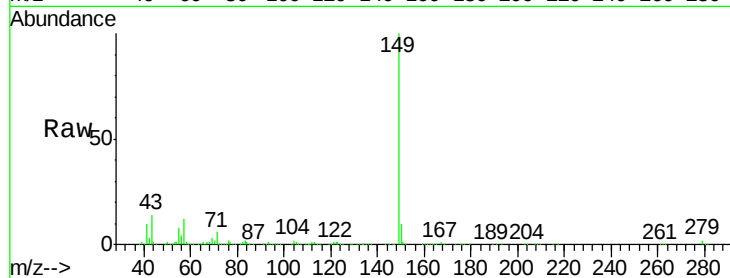
167 1.5 1.2 1.8

43 13.1 8.5 12.7#

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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

800000

600000

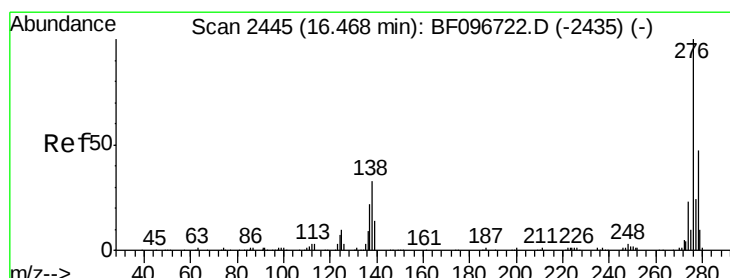
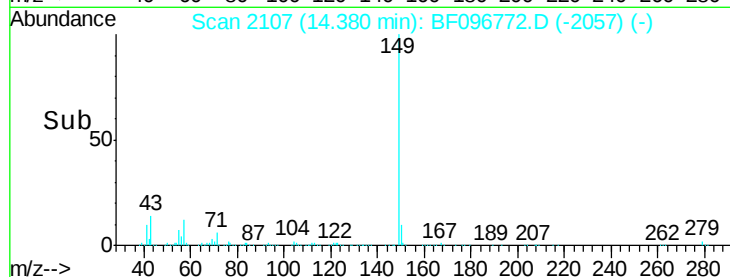
400000

200000

0

14.35 14.40 14.45

Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 40.032 ng

RT: 16.48 min Scan# 2464

Delta R.T. 0.01 min

Lab File: BF096772.D

Acq: 14 Jul 2017 13:36

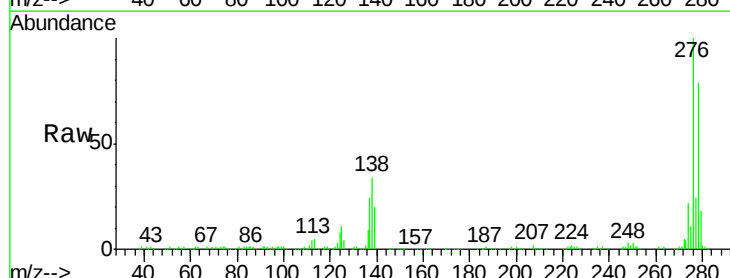
Tgt Ion:276 Resp: 457196

Ion Ratio Lower Upper

276 100

138 34.4 27.8 41.6

277 25.0 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

250000

200000

150000

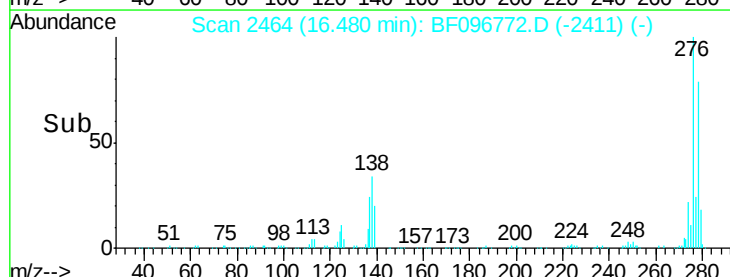
100000

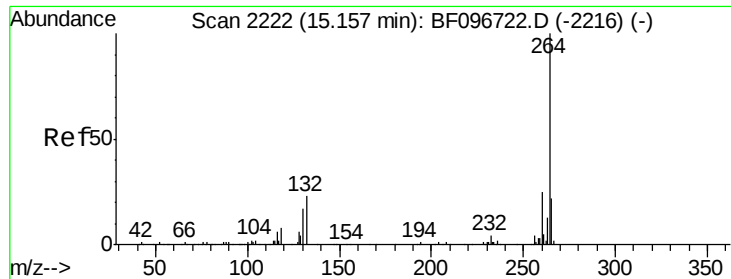
50000

0

16.40 16.50 16.60

Time-->





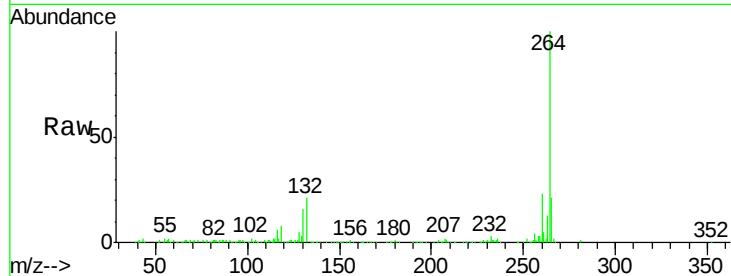
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.16 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMSD

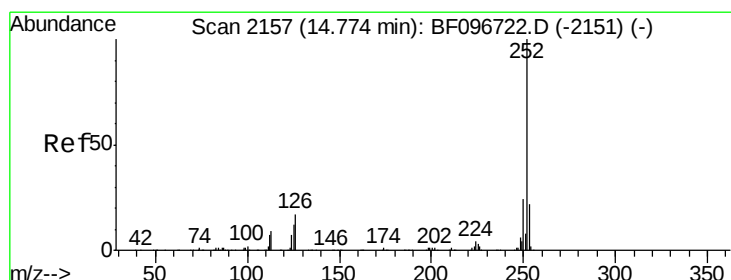
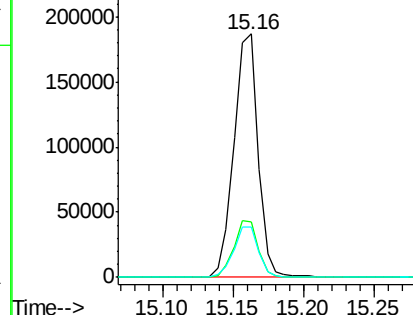
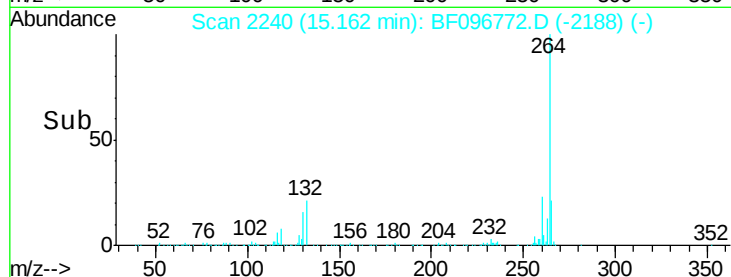
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.5	29.3
265	20.7	17.2	25.8

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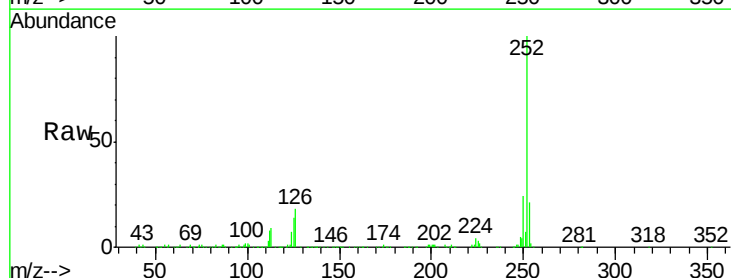


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

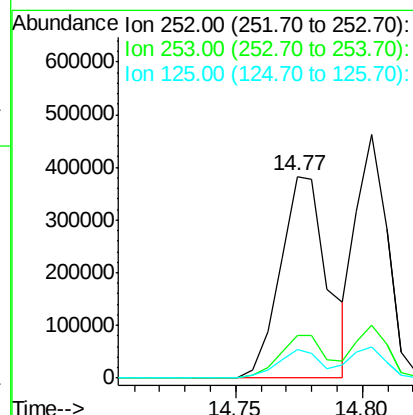
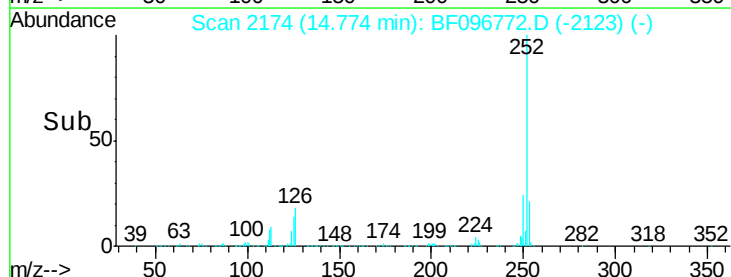


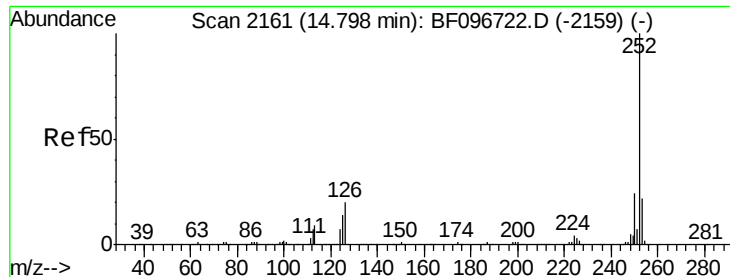
#87
Benzo(b)fluoranthene
Concen: 36.925 ng
RT: 14.77 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.1	27.1
125	14.0	9.8	14.8



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





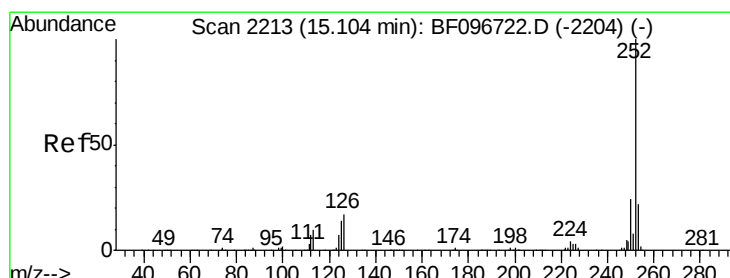
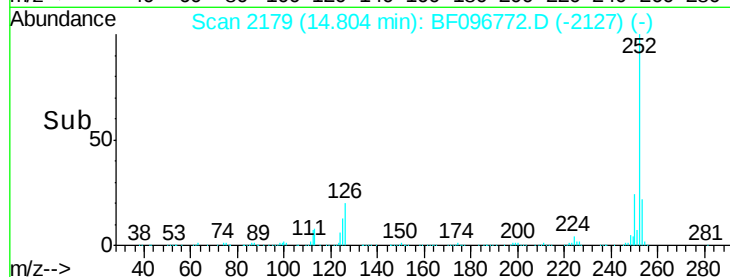
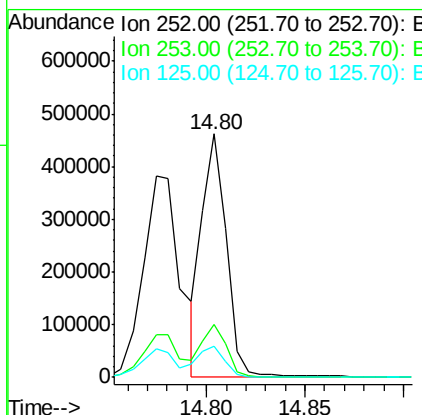
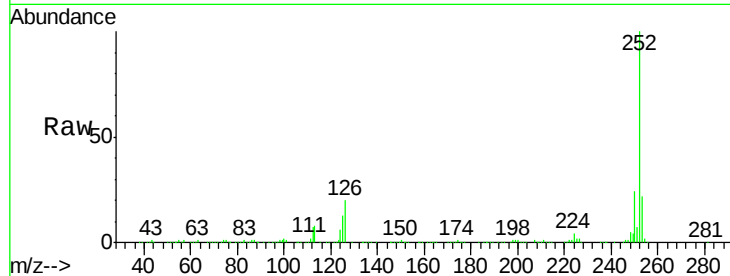
#88
Benzo(k)fluoranthene
Concen: 31.881 ng m
RT: 14.80 min Scan# 2179
Delta R.T. 0.01 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.4	27.6
125	12.9	13.1	19.7#

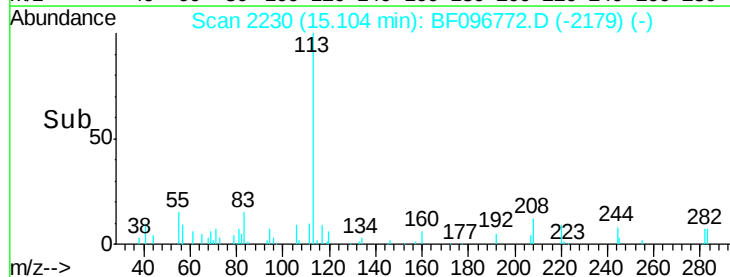
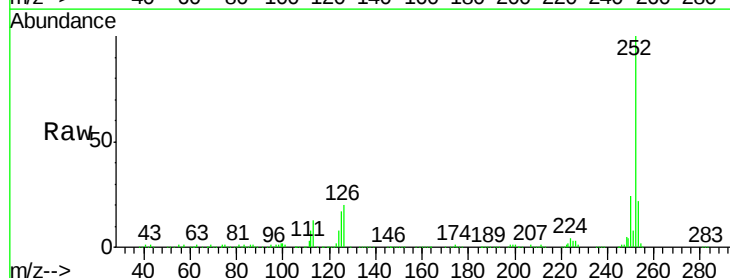
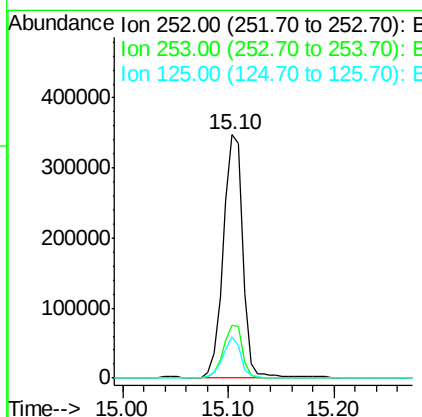
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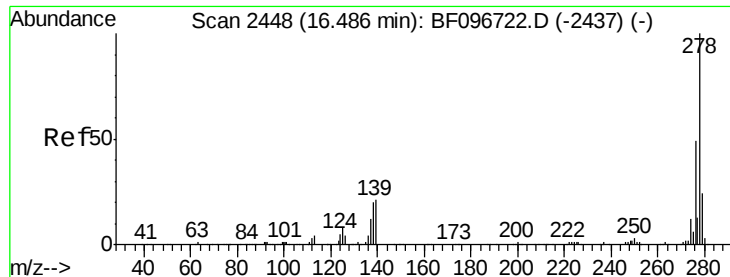
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#89
Benzo(a)pyrene
Concen: 36.143 ng
RT: 15.10 min Scan# 2230
Delta R.T. -0.00 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	16.7	11.0	16.4#





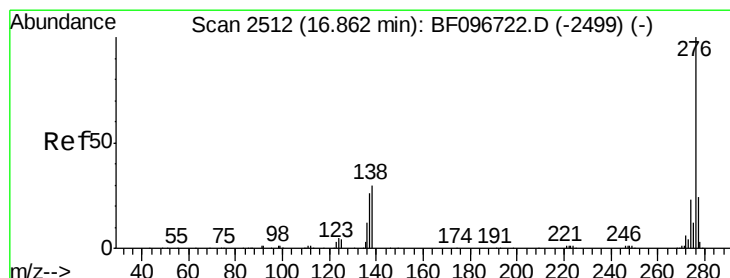
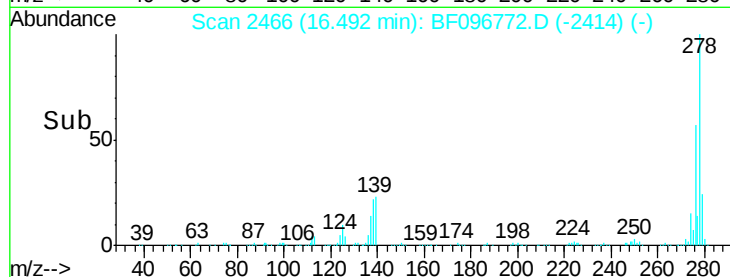
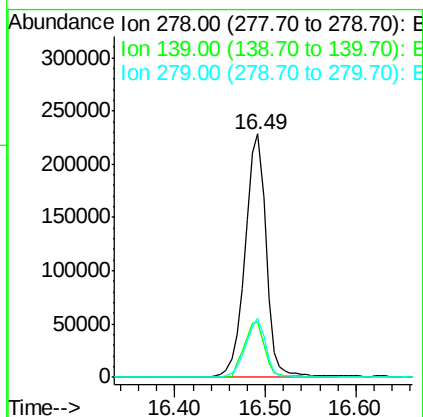
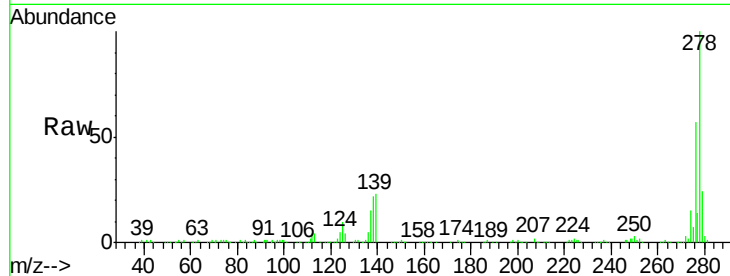
#90
Dibenzo(a,h)anthracene
Concen: 32.439 ng
RT: 16.49 min Scan# 2466
Delta R.T. 0.01 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Instrument :
BNA_F
ClientSampleId :
WEST-GAS-SIDEWALLMSD

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.7	16.6	24.8
279	24.4	19.3	28.9

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#91
Benzo(g,h,i)perylene
Concen: 33.177 ng
RT: 16.87 min Scan# 2530
Delta R.T. 0.01 min
Lab File: BF096772.D
Acq: 14 Jul 2017 13:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.6	28.0
138	32.7	25.4	38.0

