

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012916\
 Data File : BF084663.D
 Acq On : 30 Jan 2016 4:14
 Operator : SJ/IZ
 Sample : H1261-11MSD
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SCARBOROUGH1516-00(0-4)MSD

Manual Integrations
 APPROVED

mohammad
 2/1/2016 2:24:37 PM

Quant Time: Jan 30 06:02:25 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 29 12:54:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	182315	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	709836	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	343042	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	628227	20.00	ng	0.00
75) Chrysene-d12	13.87	240	395550	20.00	ng	0.00
86) Perylene-d12	15.25	264	344105	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	1070583	88.64	ng	0.02
7) Phenol-d6	6.37	99	1264892	87.38	ng	0.00
23) Nitrobenzene-d5	7.30	82	1204137	94.80	ng	0.00
41) 2,4,6-Tribromophenol	10.56	330	446903	124.30	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	1934297	83.81	ng	0.00
78) Terphenyl-d14	12.83	244	1912364	109.19	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.37	88	166952	29.64	ng	# 77
3) Pyridine	3.04	79	385797m	25.71	ng	
4) n-Nitrosodimethylamine	2.97	42	254069	34.63	ng	86
6) Aniline	6.38	93	517814	27.87	ng	# 43
8) 2-Chlorophenol	6.51	128	466836	34.85	ng	87
9) Benzaldehyde	6.27	77	19256	2.30	ng	98
10) Phenol	6.38	94	435706	27.01	ng	# 61
11) bis(2-Chloroethyl)ether	6.46	93	536737	42.77	ng	# 81
12) 1,3-Dichlorobenzene	6.67	146	534560	37.24	ng	96
13) 1,4-Dichlorobenzene	6.74	146	541594	38.45	ng	96
14) 1,2-Dichlorobenzene	6.90	146	546958	42.17	ng	98
15) Benzyl Alcohol	6.88	79	440860	44.74	ng	90
16) 2,2'-oxybis(1-Chloropropan	7.01	45	848263	39.50	ng	90
17) 2-Methylphenol	7.00	107	384336	37.01	ng	94
18) Hexachloroethane	7.24	117	219610	39.85	ng	# 88
19) n-Nitroso-di-n-propylamine	7.15	70	387694	43.85	ng	# 74
20) 3+4-Methylphenols	7.15	107	453465	35.98	ng	# 66
22) Acetophenone	7.14	105	777234	41.93	ng	# 99
24) Nitrobenzene	7.31	77	534863	39.62	ng	93
25) Isophorone	7.56	82	1107785	46.55	ng	96
26) 2-Nitrophenol	7.63	139	250806	39.07	ng	# 85
27) 2,4-Dimethylphenol	7.68	122	408069	36.27	ng	95
28) bis(2-Chloroethoxy)methane	7.77	93	664067	46.50	ng	98
29) 2,4-Dichlorophenol	7.88	162	397855	40.43	ng	95
30) 1,2,4-Trichlorobenzene	7.95	180	477985	42.48	ng	97
31) Naphthalene	8.03	128	2048641	57.17	ng	99
32) Benzoic acid	7.81	122	283271	32.80	ng	97
33) 4-Chloroaniline	8.09	127	215282	14.77	ng	96
34) Hexachlorobutadiene	8.16	225	282139	42.43	ng	98
35) Caprolactam	8.45	113	102477m	36.29	ng	
36) 4-Chloro-3-methylphenol	8.58	107	430842	39.77	ng	93
37) 2-Methylnaphthalene	8.73	142	1193484	54.26	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.89	216	430411	38.69	ng	98
40) Hexachlorocyclopentadiene	8.88	237	456112	90.17	ng	98

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012916\
 Data File : BF084663.D
 Acq On : 30 Jan 2016 4:14
 Operator : SJ/IZ
 Sample : H1261-11MSD
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SCARBOROUGH1516-00(0-4)MSD

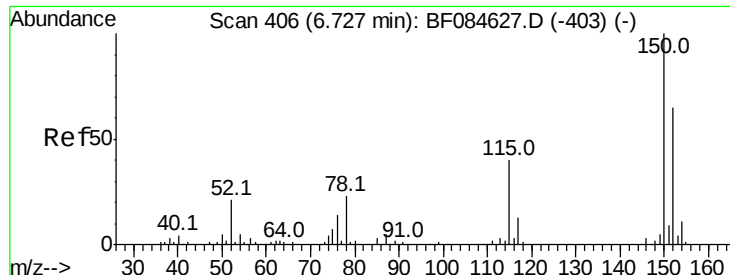
Manual Integrations
 APPROVED

mohammad
 2/1/2016 2:24:37 PM

Quant Time: Jan 30 06:02:25 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 29 12:54:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.01	196	271086	39.23	nq	94
43) 2,4,5-Trichlorophenol	9.06	196	292878	41.05	nq	95
45) 1,1'-Biphenyl	9.20	154	1368798	43.54	nq	96
46) 2-Chloronaphthalene	9.22	162	1000136	43.60	nq	# 87
47) 2-Nitroaniline	9.31	65	301657	43.79	nq	98
48) Acenaphthylene	9.63	152	1575483	45.33	nq	98
49) Dimethylphthalate	9.50	163	1273914	49.48	nq	# 90
50) 2,6-Dinitrotoluene	9.56	165	290150	51.22	nq	# 84
51) Acenaphthene	9.80	154	1083555	46.56	nq	99
52) 3-Nitroaniline	9.72	138	155406	26.25	nq	99
53) 2,4-Dinitrophenol	9.84	184	267711	95.77	nq	92
54) Dibenzofuran	9.97	168	1445640	52.05	nq	96
55) 4-Nitrophenol	9.90	139	336543	77.40	nq	# 86
56) 2,4-Dinitrotoluene	9.96	165	345818	46.99	nq	# 88
57) Fluorene	10.32	166	1106723	47.01	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.09	232	235172	43.59	nq	91
59) Diethylphthalate	10.20	149	1226572	48.67	nq	97
60) 4-Chlorophenyl-phenylether	10.30	204	444137	42.02	nq	91
61) 4-Nitroaniline	10.34	138	257604	45.98	nq	93
62) Azobenzene	10.46	77	1181121	48.96	nq	89
64) 4,6-Dinitro-2-methylphenol	10.37	198	169910	41.41	nq	74
65) n-Nitrosodiphenylamine	10.43	169	978120	48.02	nq	99
66) 4-Bromophenyl-phenylether	10.80	248	336568	47.57	nq	# 92
67) Hexachlorobenzene	10.85	284	326929	42.48	nq	# 81
68) Atrazine	10.96	200	289030	47.36	nq	97
69) Pentachlorophenol	11.06	266	318023	85.53	nq	99
70) Phenanthrene	11.26	178	1548279	44.57	nq	97
71) Anthracene	11.32	178	1686902	47.76	nq	99
72) Carbazole	11.48	167	1575315	51.75	nq	99
73) Di-n-butylphthalate	11.81	149	1654570	44.69	nq	# 96
74) Fluoranthene	12.45	202	1693816	49.32	nq	96
76) Benzidine	12.58	184	565153	37.57	nq	98
77) Pyrene	12.68	202	1702835	57.08	nq	99
79) Butylbenzylphthalate	13.31	149	752382	59.03	nq	# 93
80) Benzo(a)anthracene	13.86	228	1214810	49.27	nq	98
81) 3,3'-Dichlorobenzidine	13.84	252	281816	32.48	nq	98
82) Chrysene	13.91	228	1225597	50.43	nq	100
83) Bis(2-ethylhexyl)phthalate	13.87	149	915056	55.35	nq	97
84) Di-n-octyl phthalate	14.48	149	1414878	54.16	nq	# 90
85) Indeno(1,2,3-cd)pyrene	16.57	276	956293	44.50	nq	100
87) Benzo(b)fluoranthene	14.88	252	1152543m	51.73	nq	
88) Benzo(k)fluoranthene	14.90	252	843442m	45.83	nq	
89) Benzo(a)pyrene	15.20	252	914296	47.43	nq	# 95
90) Dibenzo(a,h)anthracene	16.58	278	791253	45.55	nq	98
91) Benzo(g,h,i)perylene	16.96	276	814734	46.46	nq	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

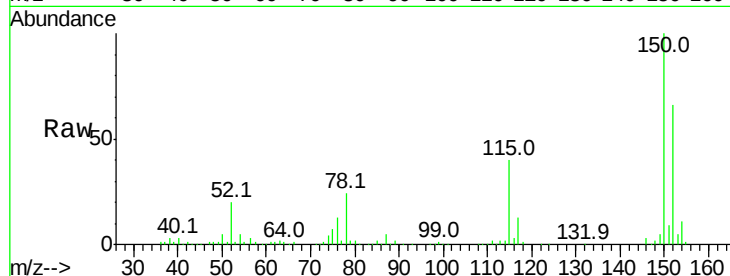
ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

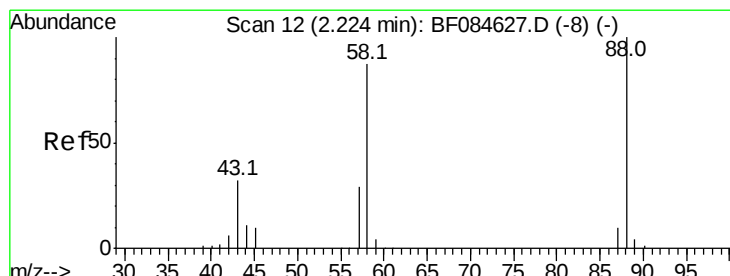
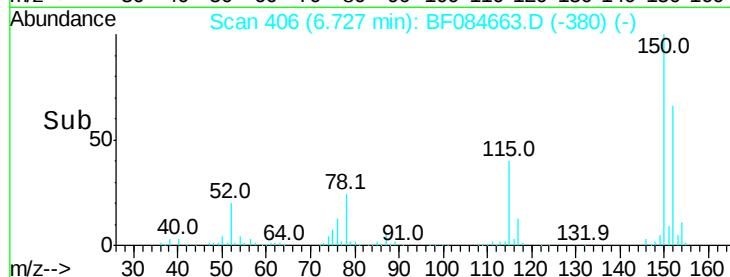
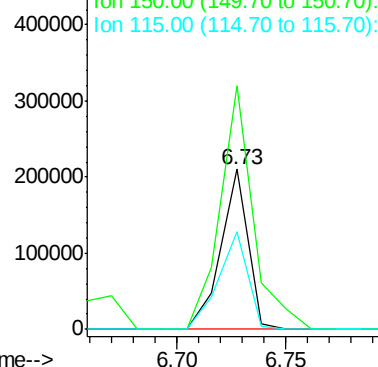
Tot Ion:	152	Resp:	182315
Ion Ratio	Lower	Upper	
152	100		
150	151.8	123.0	184.4
115	60.8	51.4	77.2

Manual Integrations
APPROVED

mohammad
2/1/2016 2:24:37 PM



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: 29.64 ng

RT: 2.37 min Scan# 25

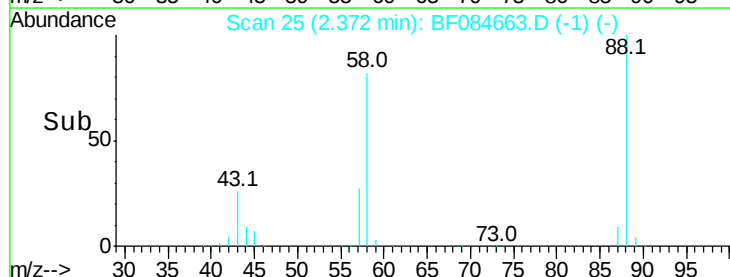
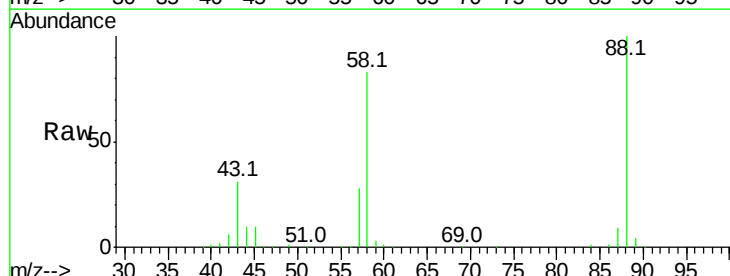
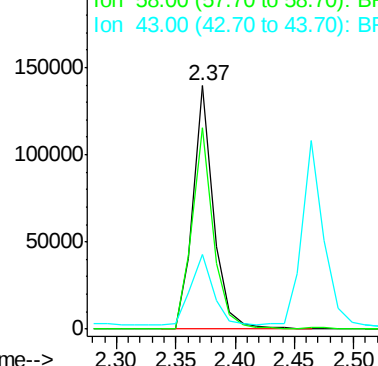
Delta R.T. 0.15 min

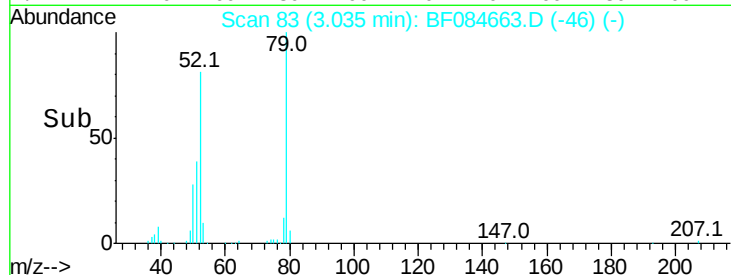
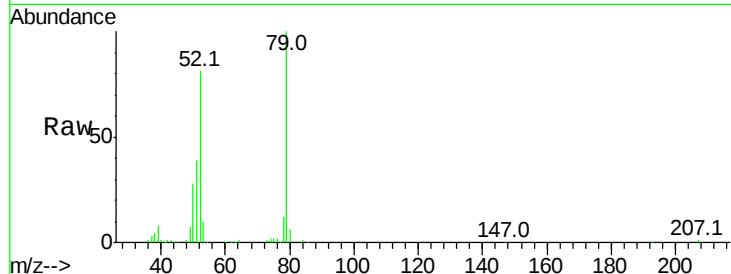
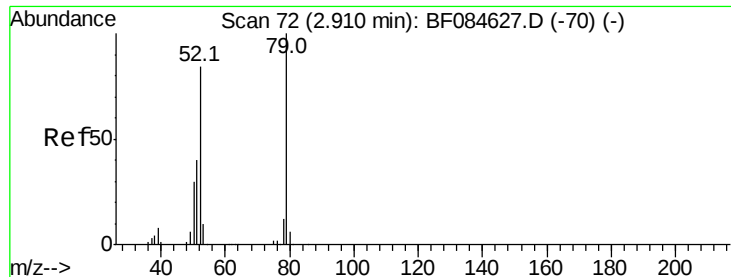
Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Tgt Ion:	88	Resp:	166952
Ion Ratio	Lower	Upper	
88	100		
58	84.5	51.2	76.8#
43	31.5	19.5	29.3#

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





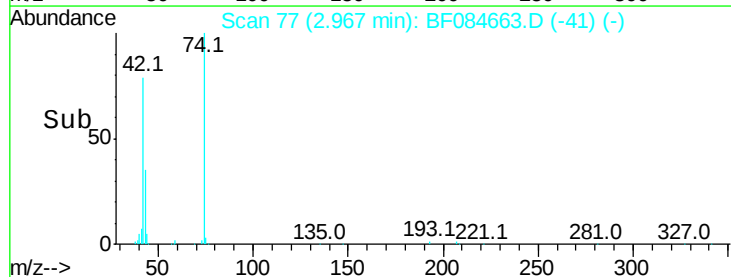
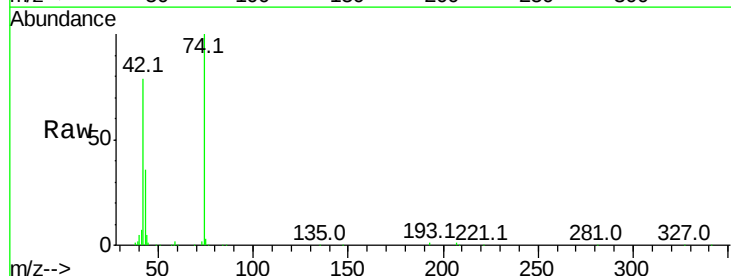
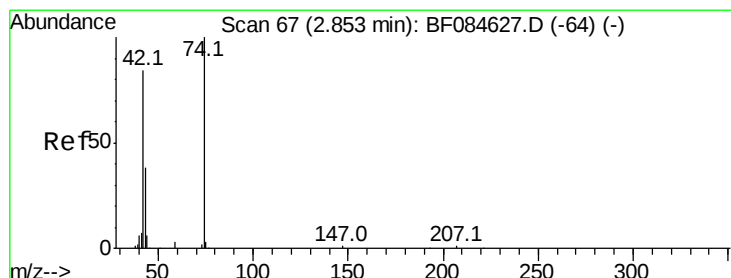
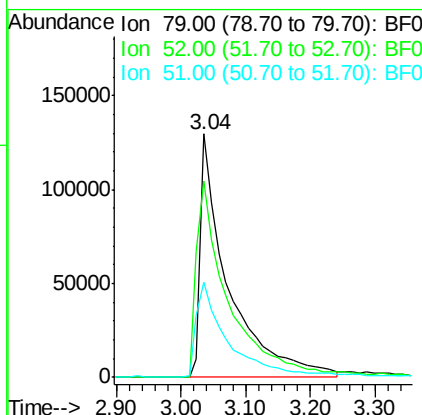
#3
Pvridine
Concen: 25.71 ng/ml
RT: 3.04 min Scan# 83
Delta R.T. 0.13 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

Tot Ion	Ratio	Lower	Upper
79	100		
52	80.6	49.0	73.4#
51	39.2	25.2	37.8#

Instrument :
BNA_F
ClientSampleId :
SCARBOROUGH1516-00(0-4)MSD

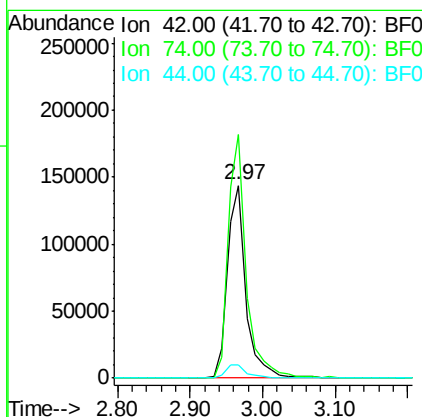
Manual Integrations
APPROVED

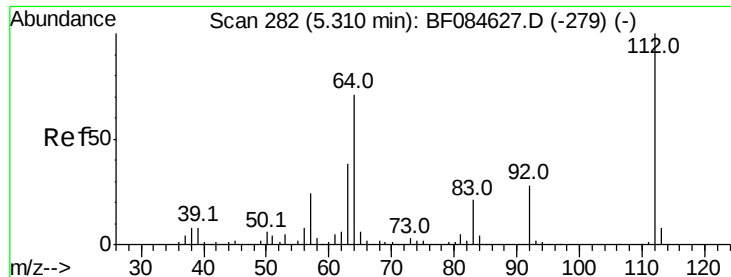
mohammad
2/1/2016 2:24:37 PM



#4
n-Nitrosodimethylamine
Concen: 34.63 ng
RT: 2.97 min Scan# 77
Delta R.T. 0.11 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

Tgt Ion	Ratio	Lower	Upper
42	100		
74	126.5	115.7	173.5
44	6.9	5.1	7.7





#5

2-Fluorophenol

Concen: 88.64 ng

RT: 5.33 min Scan# 284

Delta R.T. 0.02 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

Tot Ion:112 Resp: 1070583

Ion Ratio Lower Upper

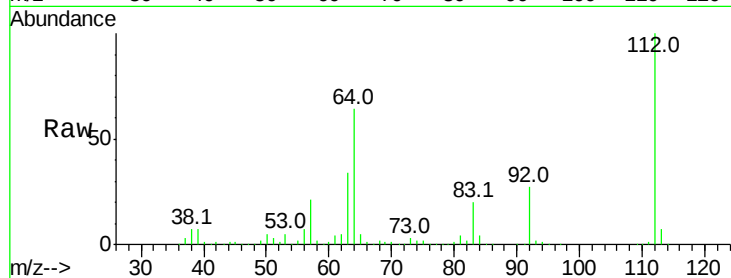
112 100

64 64.4 36.6 55.0#

63 34.1 19.4 29.0#

Manual Integrations
APPROVED

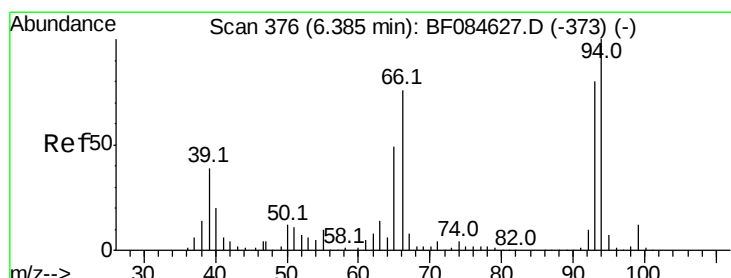
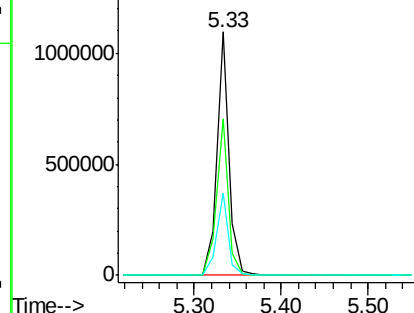
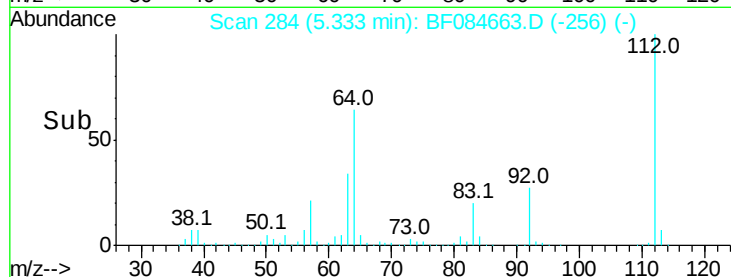
mohammad
2/1/2016 2:24:37 PM



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 27.87 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

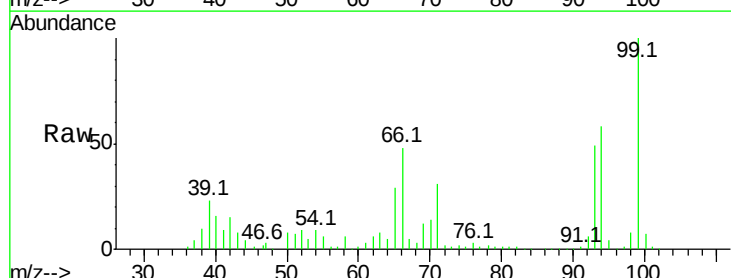
Tgt Ion: 93 Resp: 517814

Ion Ratio Lower Upper

93 100

66 97.9 44.9 67.3#

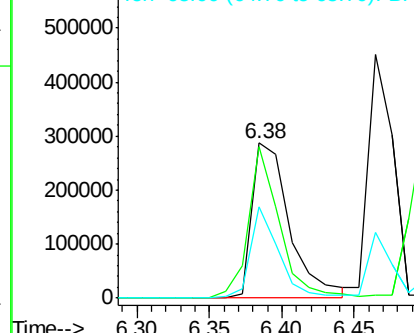
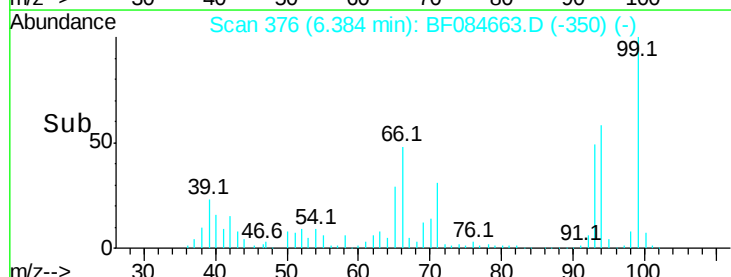
65 59.2 23.7 35.5#

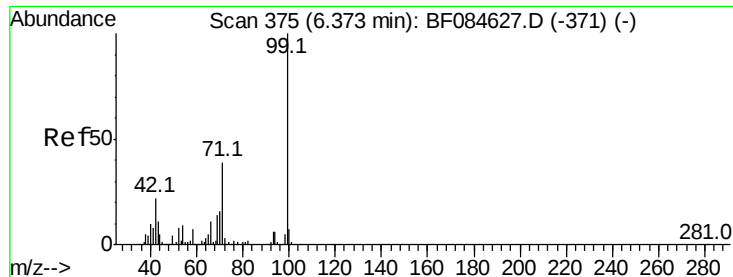


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 87.38 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

Tot Ion: 99 Resp: 1264892

Ion Ratio Lower Upper

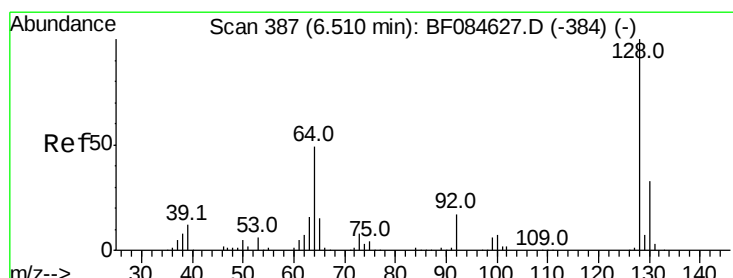
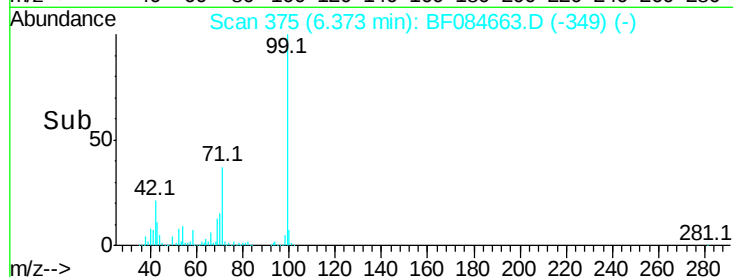
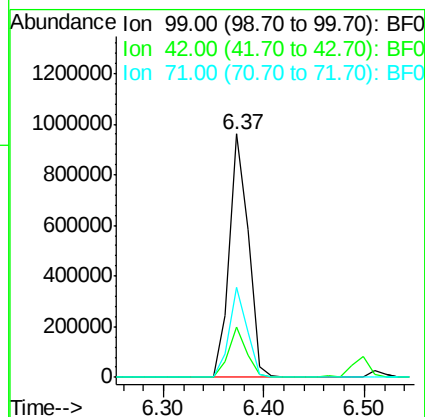
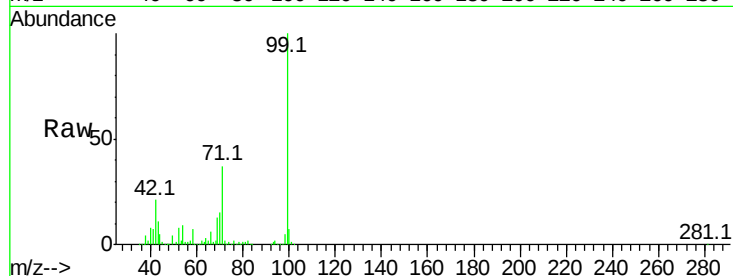
99 100

42 20.7 12.8 19.2#

71 37.2 30.9 46.3

Manual Integrations
APPROVED

mohammad
2/1/2016 2:24:37 PM



#8

2-Chlorophenol

Concen: 34.85 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

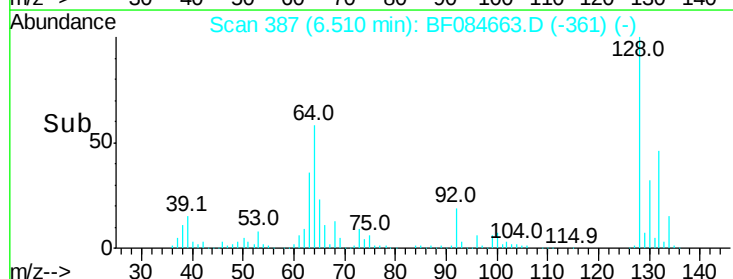
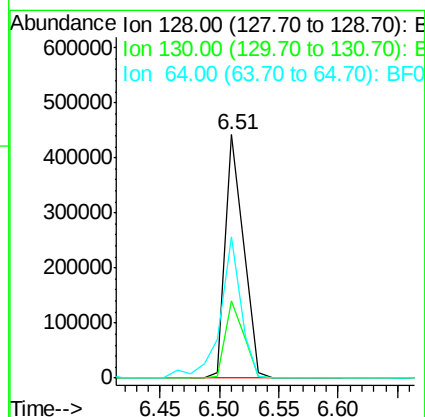
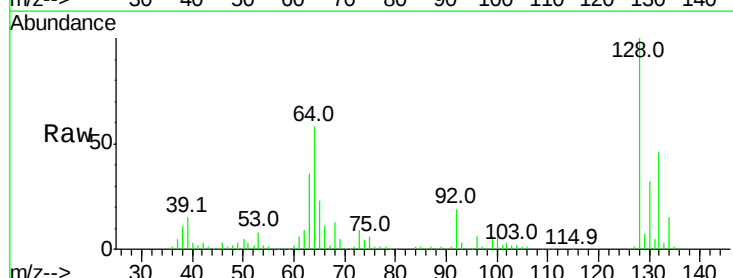
Tgt Ion: 128 Resp: 466836

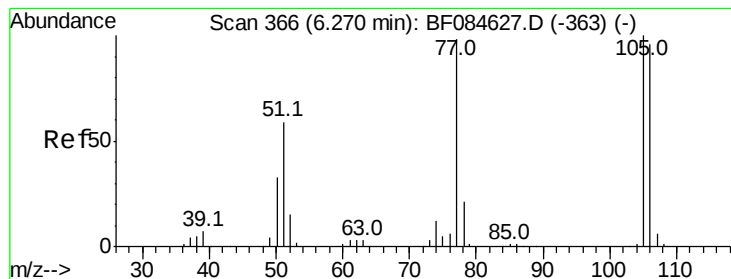
Ion Ratio Lower Upper

128 100

130 31.7 11.6 51.6

64 57.9 23.8 63.8





#9

Benzaldehyde

Concen: 2.30 ng

RT: 6.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

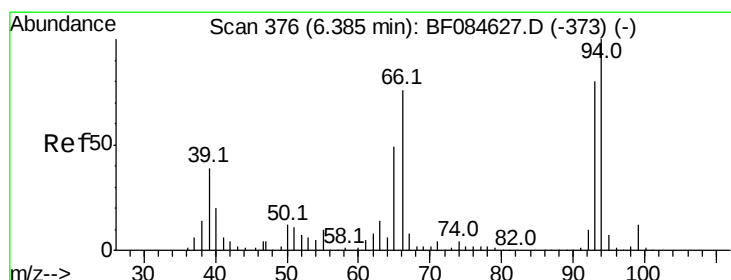
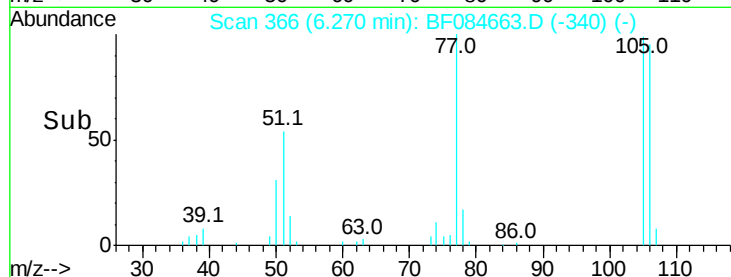
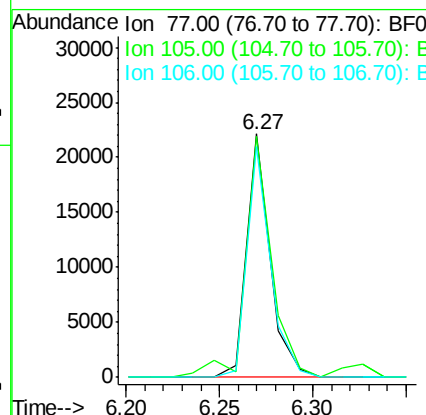
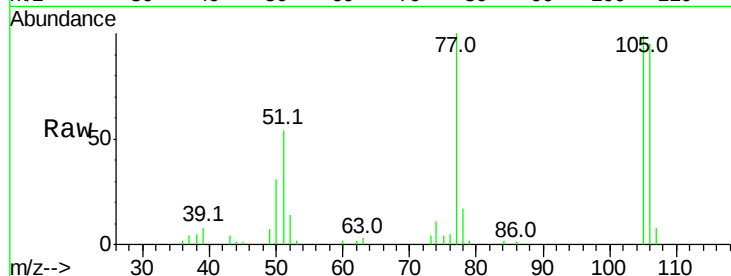
ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

Tot Ion:	77	Resp:	19256
Ion Ratio	Lower	Upper	
77	100		
105	99.0	83.0	123.0
106	95.0	74.6	114.6

Manual Integrations
APPROVED

mohammad
2/1/2016 2:24:37 PM



#10

Phenol

Concen: 27.01 ng

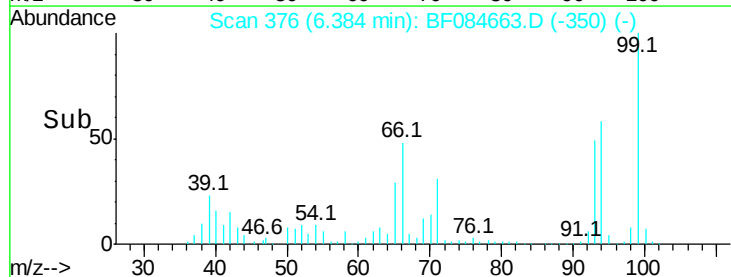
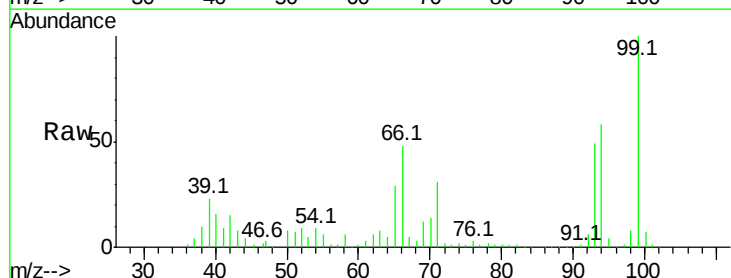
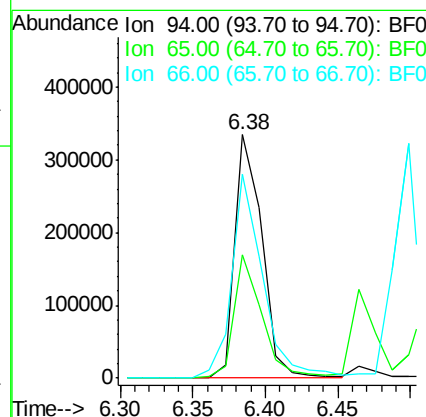
RT: 6.38 min Scan# 376

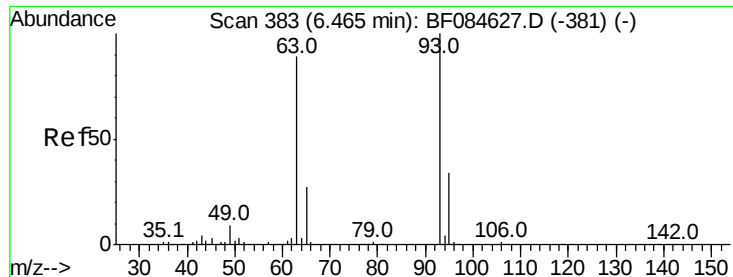
Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Tgt Ion:	94	Resp:	435706
Ion Ratio	Lower	Upper	
94	100		
65	50.7	12.9	52.9
66	83.9	32.7	72.7#





#11

bis(2-Chloroethyl)ether

Concen: 42.77 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

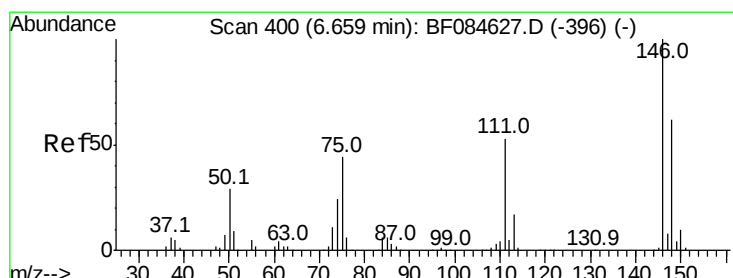
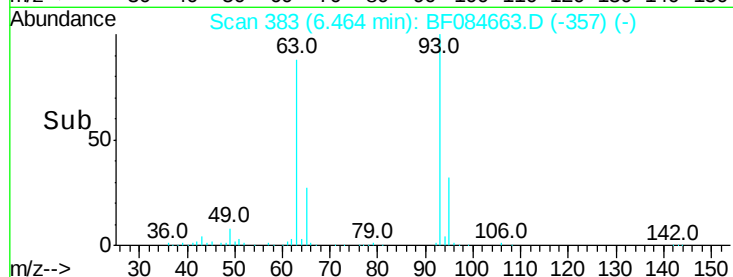
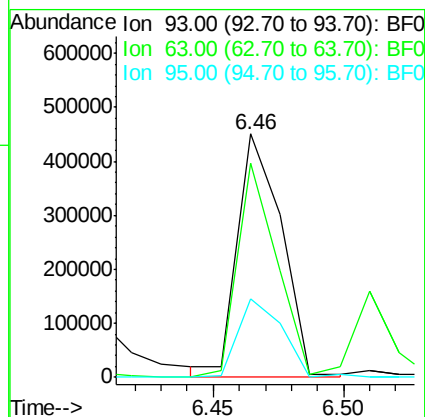
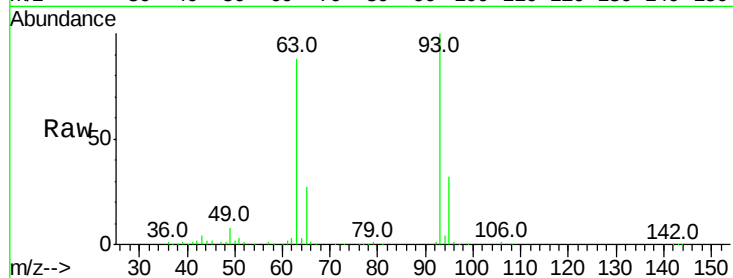
SCARBOROUGH1516-00(0-4)MSD

Tot Ion: 93 Resp: 536737

Ion	Ratio	Lower	Upper
93	100		
63	87.7	45.9	85.9#
95	32.1	12.3	52.3

Manual Integrations
APPROVED

mohammad
2/1/2016 2:24:37 PM



#12

1,3-Dichlorobenzene

Concen: 37.24 ng

RT: 6.67 min Scan# 401

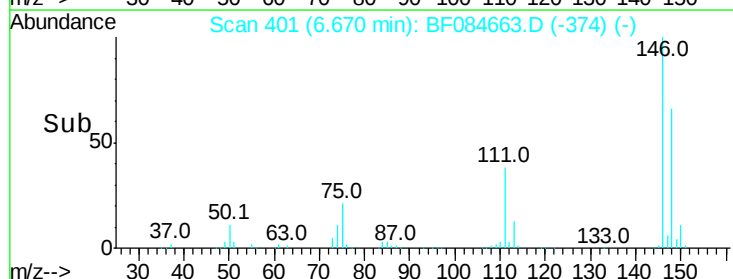
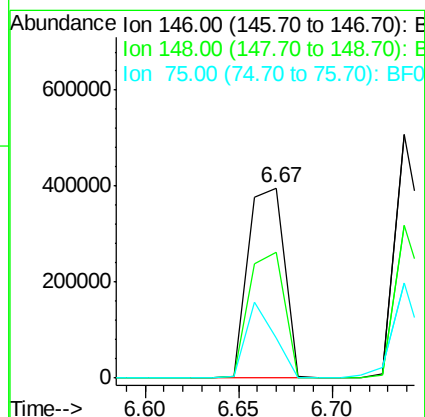
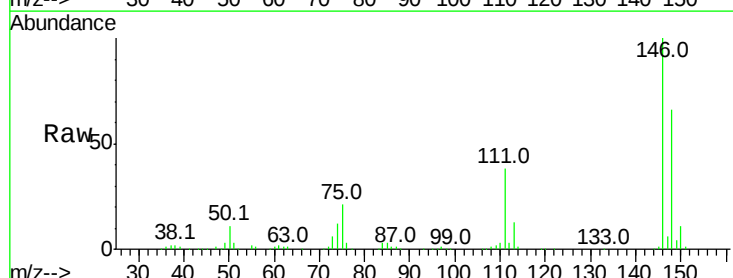
Delta R.T. 0.01 min

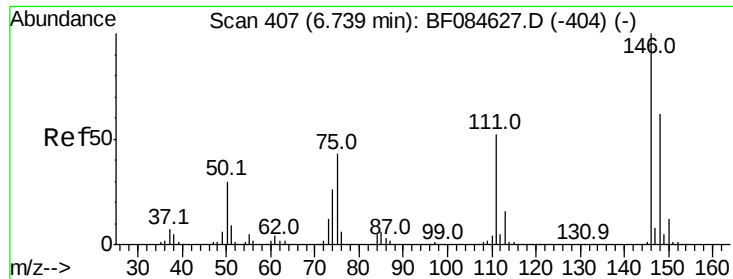
Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Tgt Ion: 146 Resp: 534560

Ion	Ratio	Lower	Upper
146	100		
148	66.2	51.9	77.9
75	21.4	20.5	30.7





#13

1,4-Dichlorobenzene

Concen: 38.45 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

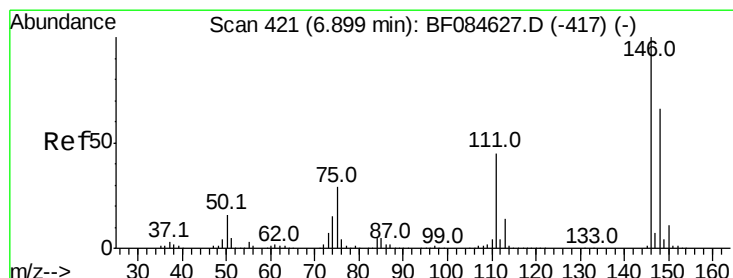
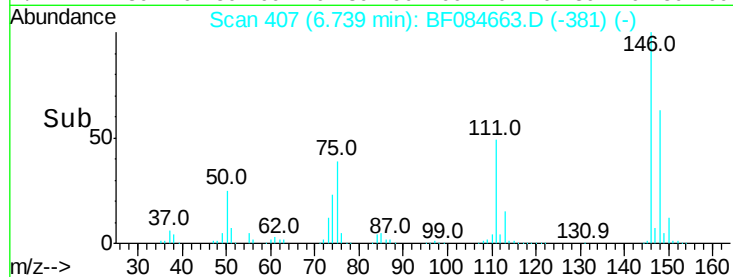
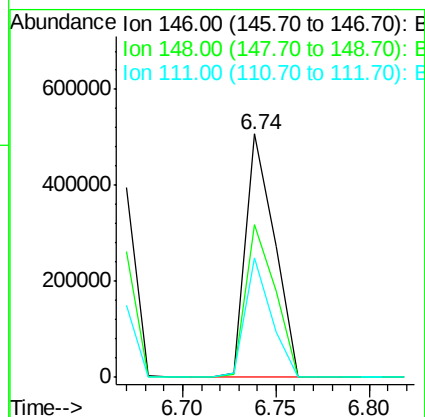
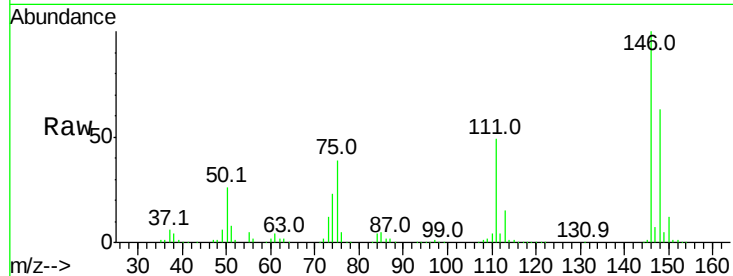
ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

Tot Ion:	146	Resp:	541594
Ion Ratio	Lower	Upper	
146	100		
148	62.6	51.9	77.9
111	48.8	41.6	62.4

Manual Integrations
APPROVED

mohammad
2/1/2016 2:24:37 PM



#14

1,2-Dichlorobenzene

Concen: 42.17 ng

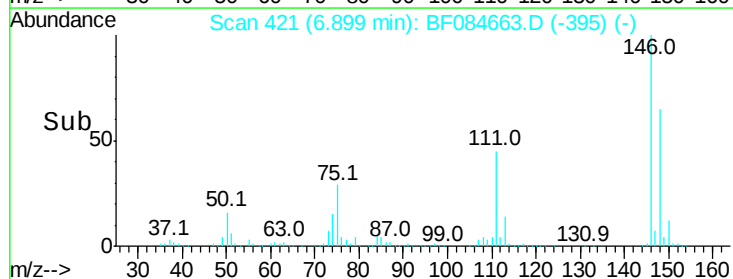
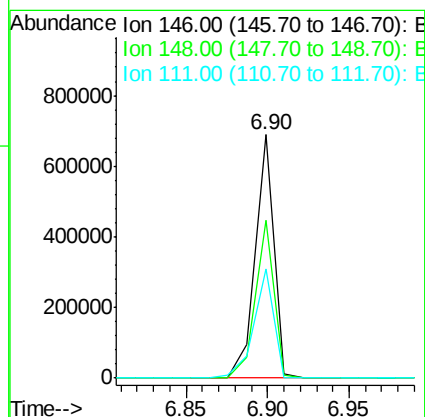
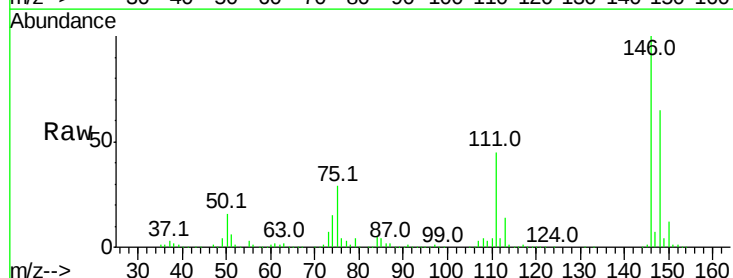
RT: 6.90 min Scan# 421

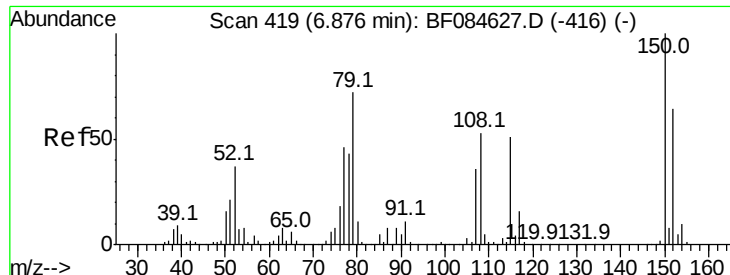
Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Tgt Ion:	146	Resp:	546958
Ion Ratio	Lower	Upper	
146	100		
148	64.9	51.6	77.4
111	44.9	38.0	57.0





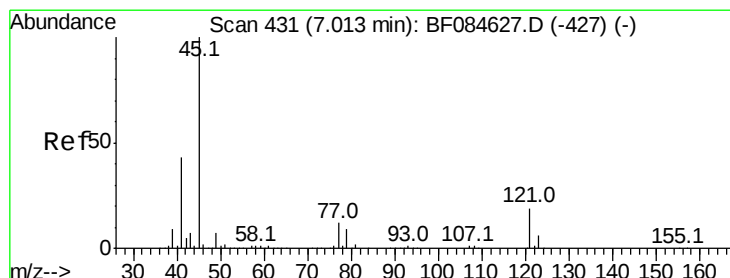
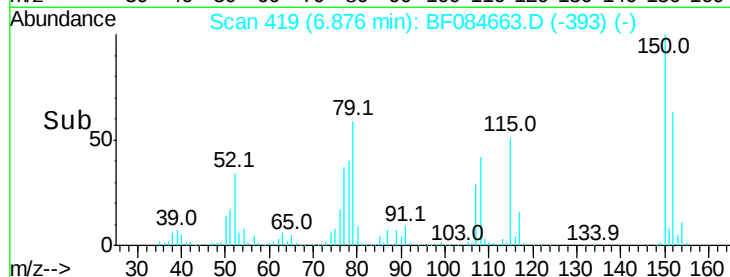
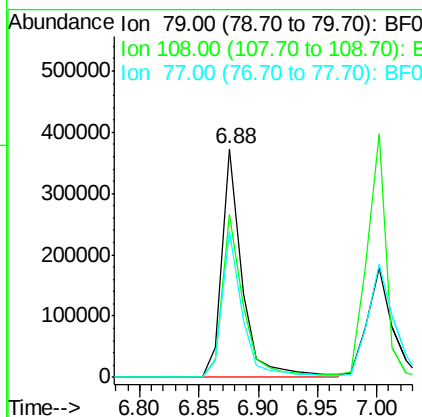
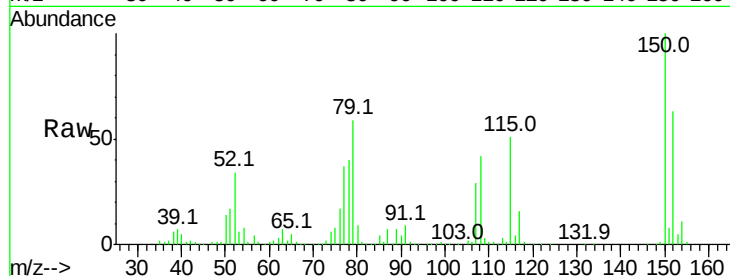
#15
Benzyl Alcohol
Concen: 44.74 ng
RT: 6.88 min Scan# 419
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

Instrument :
BNA_F
ClientSampleID :
SCARBOROUGH1516-00(0-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
108	71.1	69.0	103.4	
77	63.7	50.0	75.0	

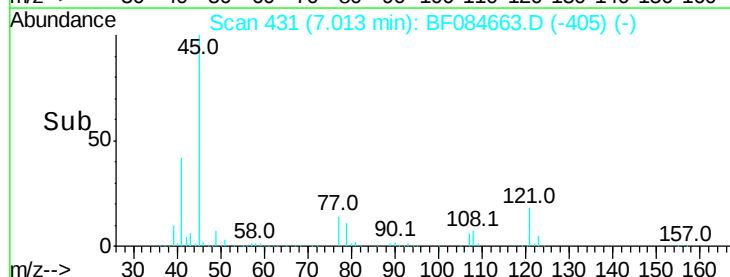
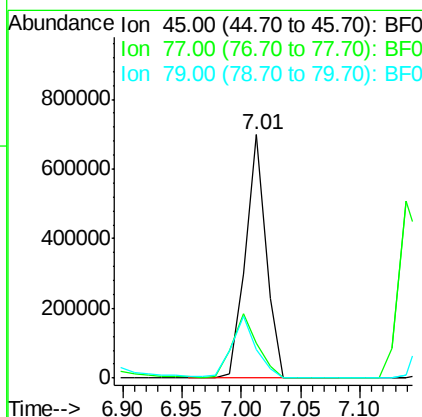
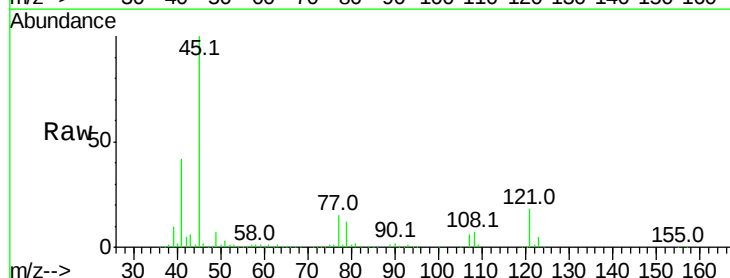
Manual Integrations
APPROVED

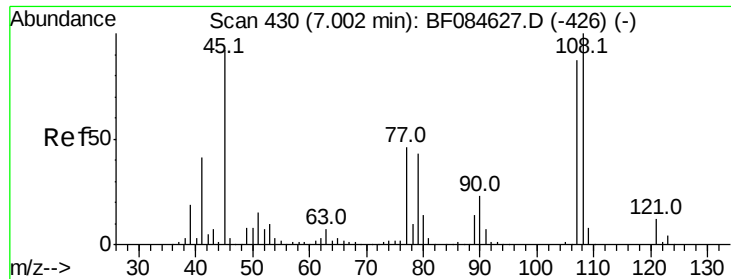
mohammad
2/1/2016 2:24:37 PM



#16
2,2'-oxybis(1-chloropropane)
Concen: 39.50 ng
RT: 7.01 min Scan# 431
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

Tgt Ion	Ratio	Resp	Lower	Upper
45	100			
77	14.5	0.0	39.6	
79	11.8	0.0	35.0	





#17

2-Methylphenol

Concen: 37.01 ng

RT: 7.00 min Scan# 430

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

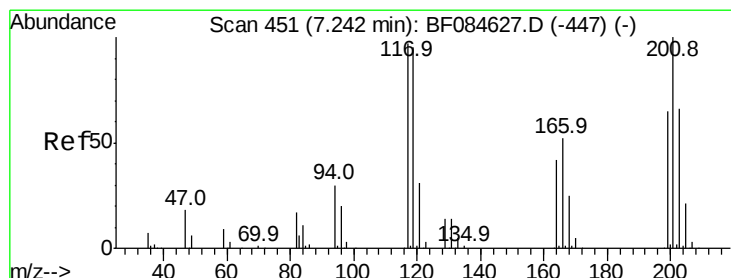
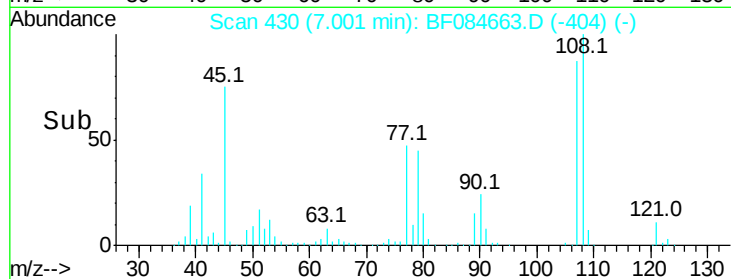
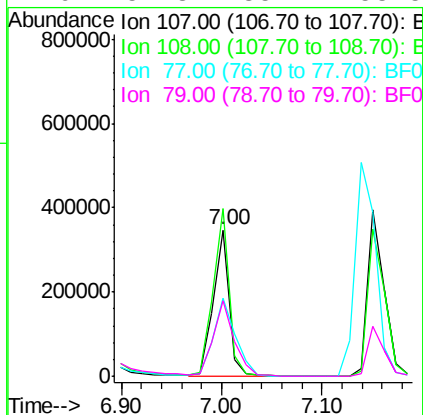
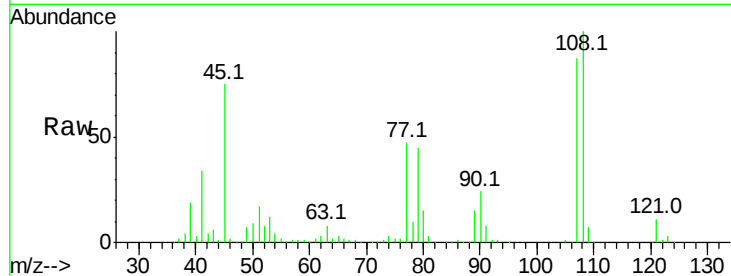
ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

Tot Ion:	107	Resp:	384336
Ion Ratio	Lower	Upper	
107	100		
108	114.4	89.8	134.6
77	53.3	35.7	53.5
79	51.3	35.7	53.5

Manual Integrations
APPROVED

mohammad
2/1/2016 2:24:37 PM



#18

Hexachloroethane

Concen: 39.85 ng

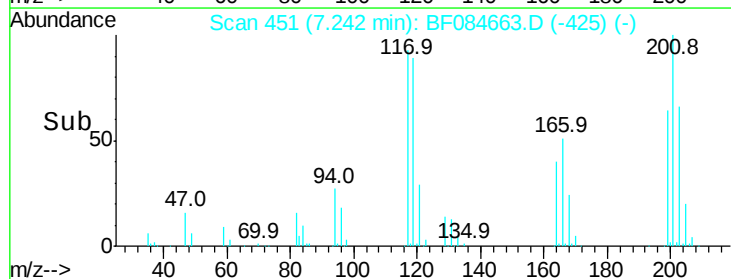
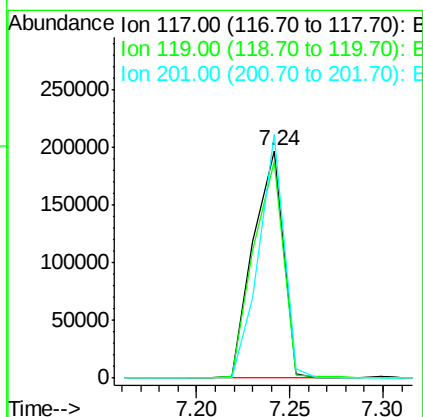
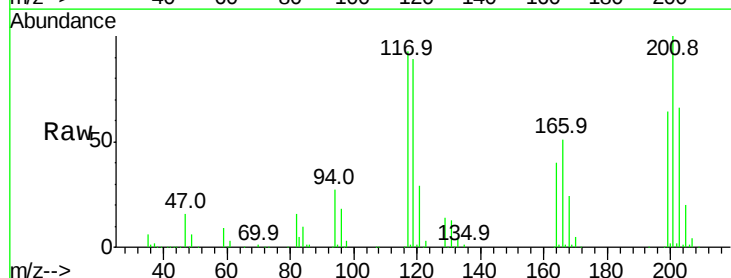
RT: 7.24 min Scan# 451

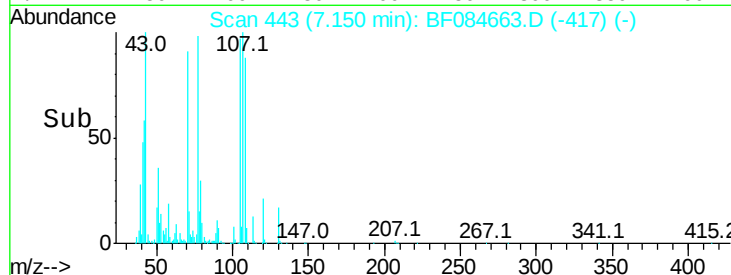
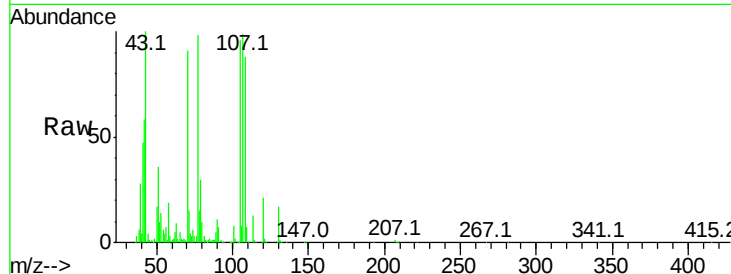
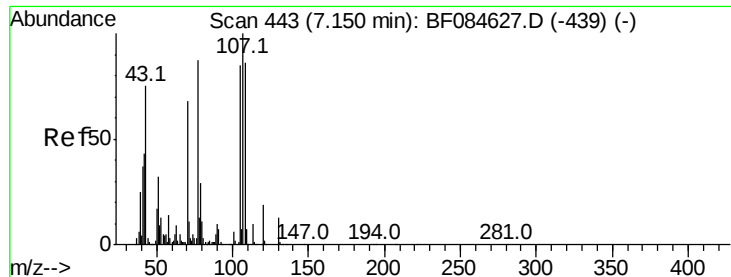
Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Tgt Ion:	117	Resp:	219610
Ion Ratio	Lower	Upper	
117	100		
119	95.1	77.4	116.0
201	107.0	68.6	103.0#





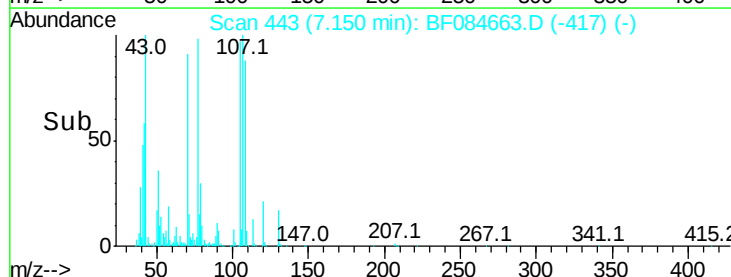
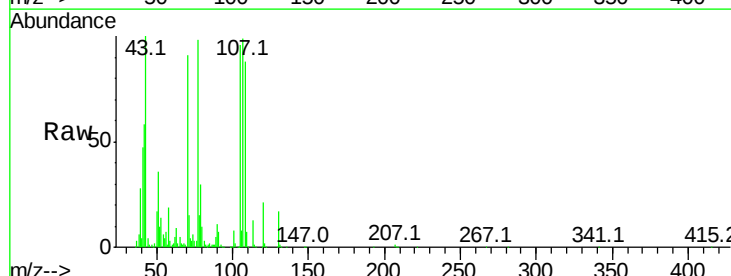
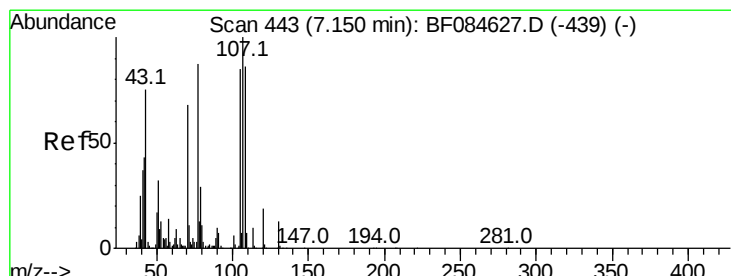
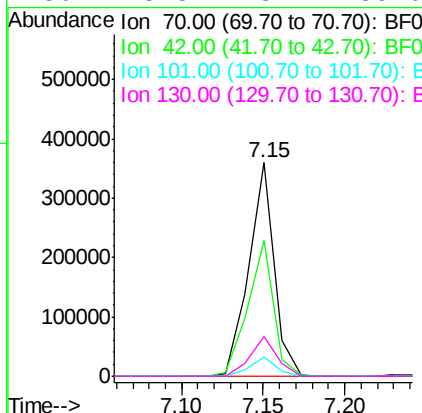
#19
n-Nitroso-di-n-propylamine
Concen: 43.85 ng
RT: 7.15 min Scan# 443
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

Instrument :
BNA_F
ClientSampleId :
SCARBOROUGH1516-00(0-4)MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	63.8	33.3	49.9#
101	9.1	9.3	13.9#
130	18.8	23.4	35.0#

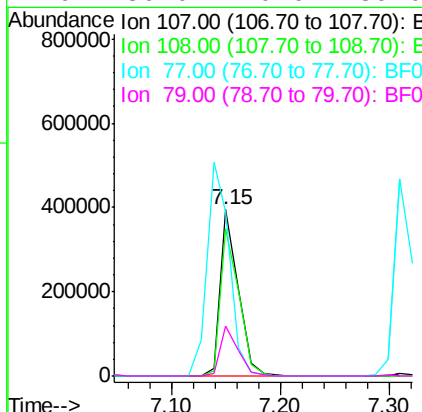
Manual Integrations
APPROVED

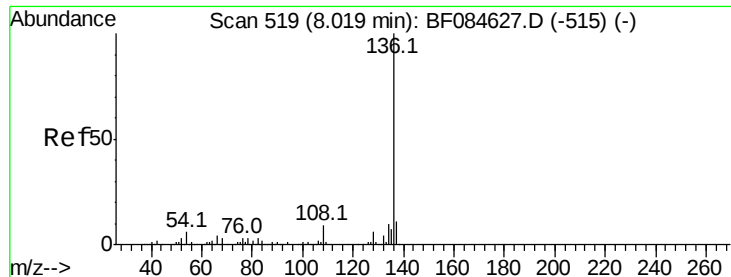
mohammad
2/1/2016 2:24:37 PM



#20
3+4-Methylphenols
Concen: 35.98 ng
RT: 7.15 min Scan# 443
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.3	74.6	114.6
77	98.8	0.7	40.7#
79	30.0	0.0	39.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.01 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

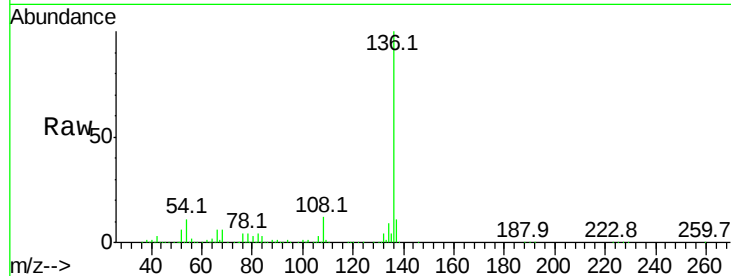
ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	11.4	8.7	13.1		
54	10.7	5.8	8.8		
68	5.6	4.2	6.2		

Manual Integrations
APPROVED

mohammad
2/1/2016 2:24:37 PM



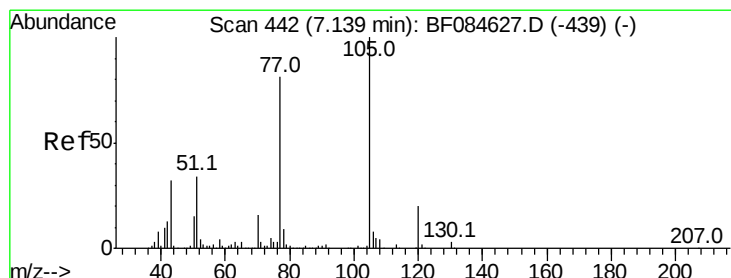
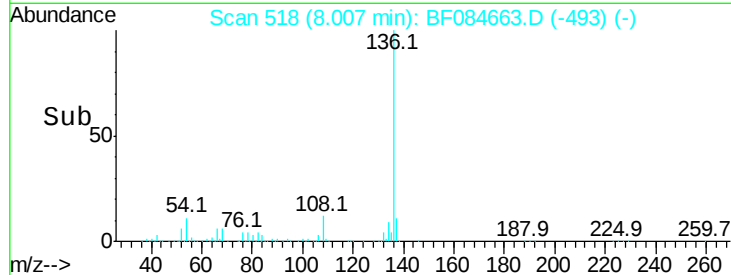
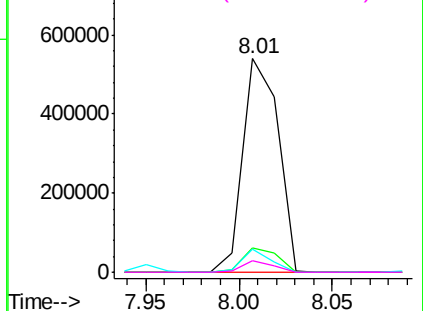
Abundance

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: 41.93 ng

RT: 7.14 min Scan# 442

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100				
71	3.3	3.7	5.5		
51	32.2	25.1	37.7		
120	20.6	16.6	25.0		

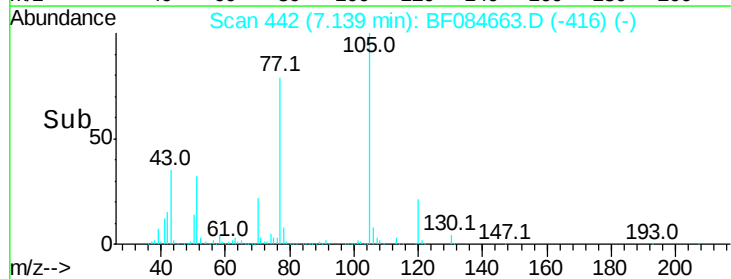
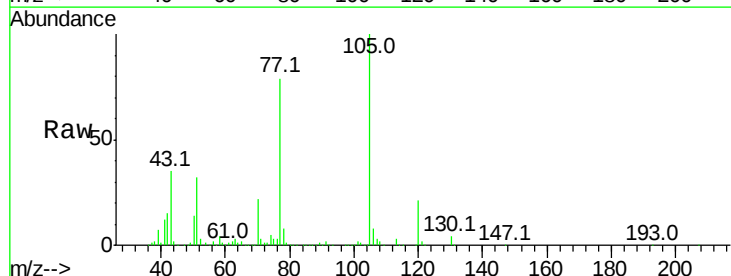
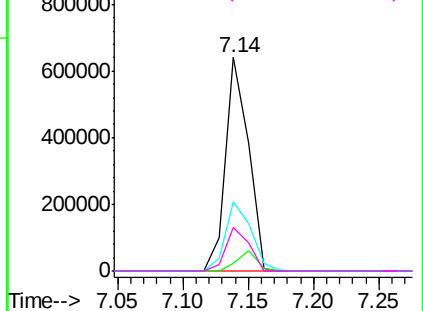
Abundance

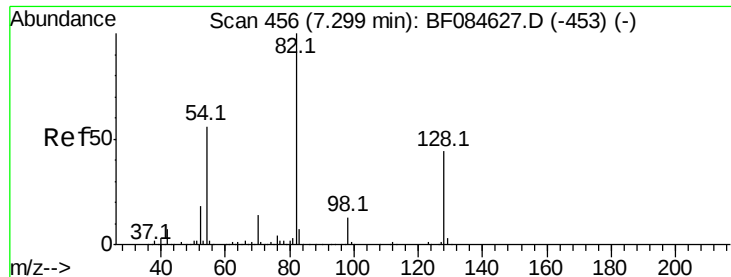
Ion 105.00 (104.70 to 105.70): E

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: 94.80 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.00 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

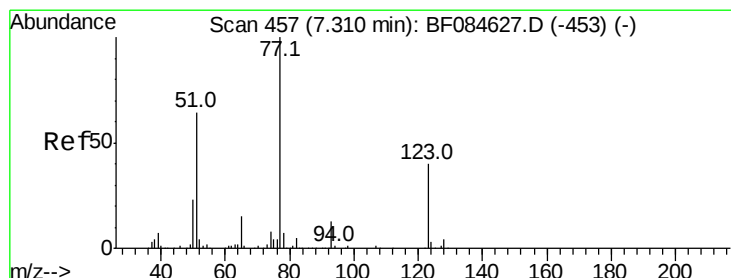
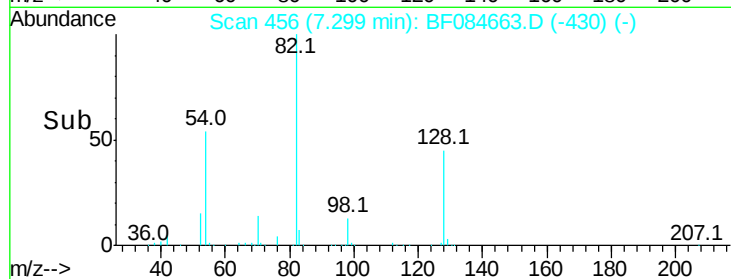
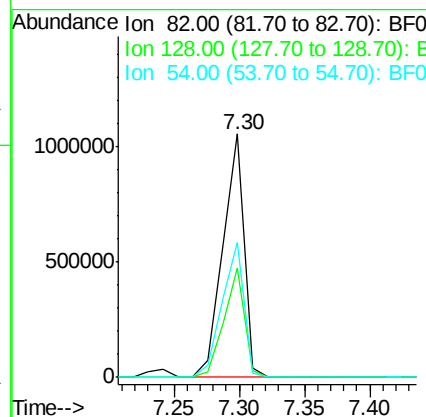
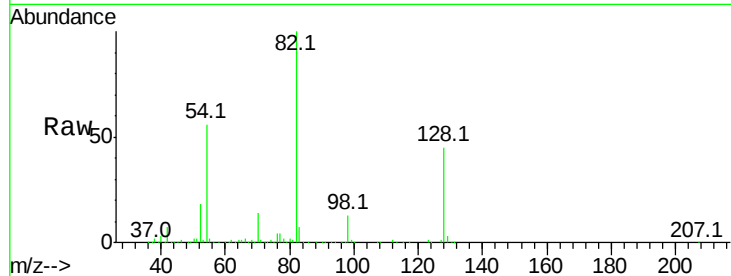
Instrument :
 BNA_F
 ClientSampleId :
 SCARBOROUGH1516-00(0-4)MSD

Tot Ion: 82 Resp: 1204137

Ion	Ratio	Lower	Upper
82	100		
128	44.7	34.6	51.8
54	55.5	38.4	57.6

Manual Integrations
 APPROVED

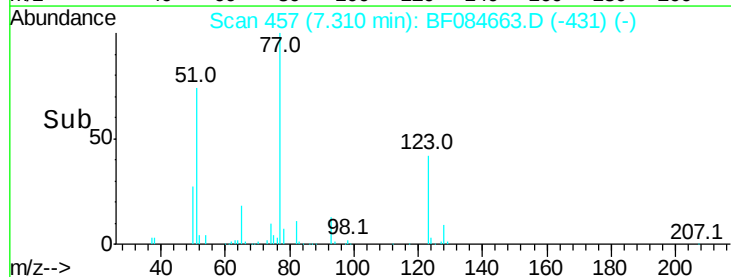
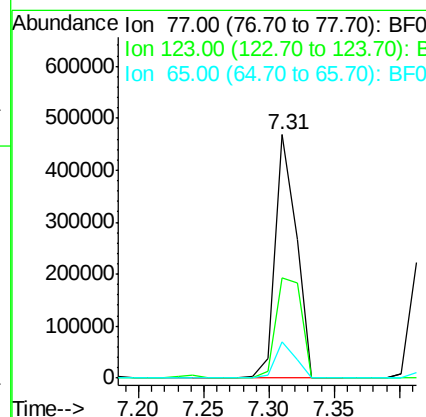
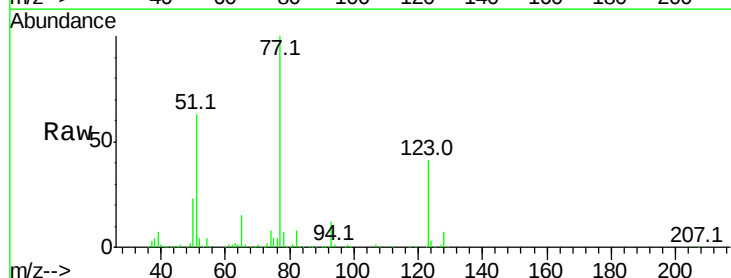
mohammad
 2/1/2016 2:24:37 PM

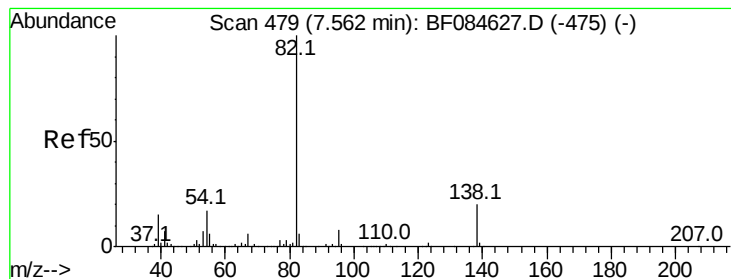


#24
 Nitrobenzene
 Concen: 39.62 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.00 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Tgt Ion: 77 Resp: 534863

Ion	Ratio	Lower	Upper
77	100		
123	41.1	37.4	56.2
65	14.8	10.9	16.3





#25

Isophorone

Concen: 46.55 ng

RT: 7.56 min Scan# 479

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

Tot Ion: 82 Resp: 1107785

Ion Ratio Lower Upper

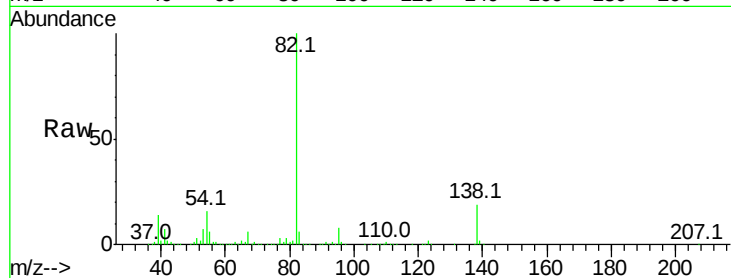
82 100

95 7.6 6.6 10.0

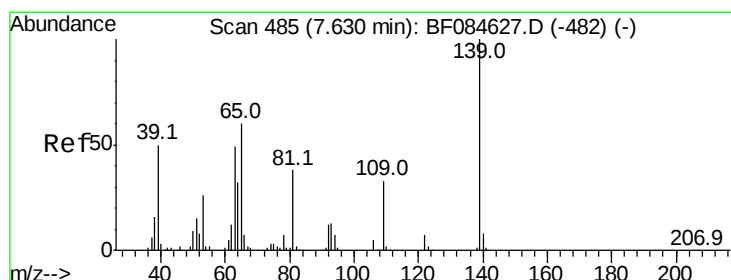
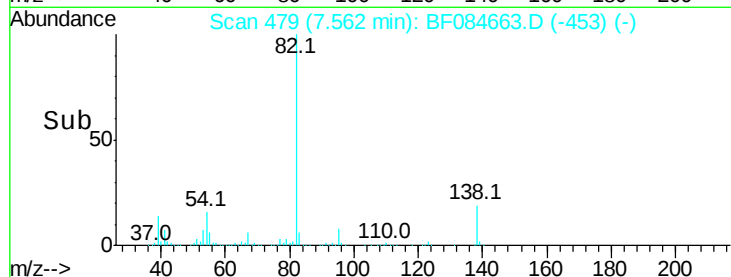
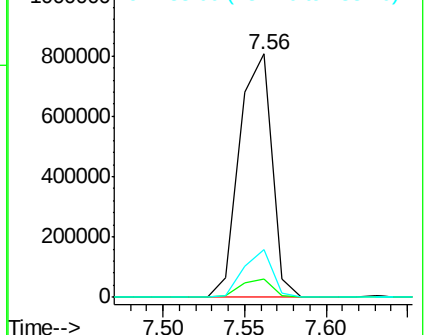
138 19.4 13.6 20.4

Manual Integrations
APPROVED

mohammad
2/1/2016 2:24:37 PM



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 39.07 ng

RT: 7.63 min Scan# 485

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

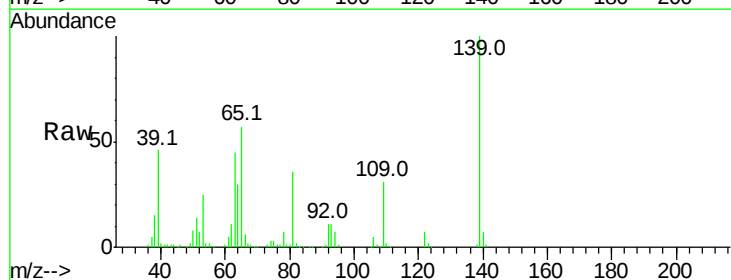
Tgt Ion: 139 Resp: 250806

Ion Ratio Lower Upper

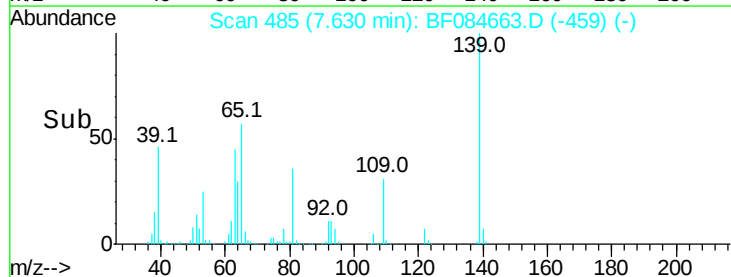
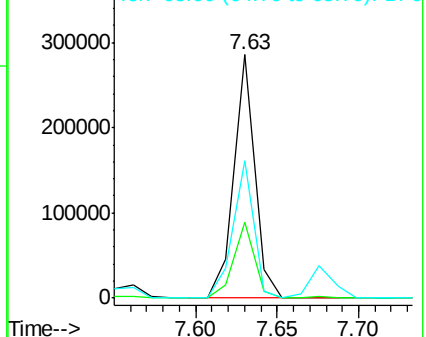
139 100

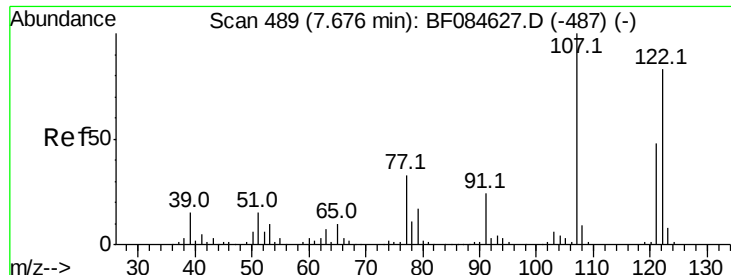
109 31.2 25.4 38.2

65 56.5 32.3 48.5#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0





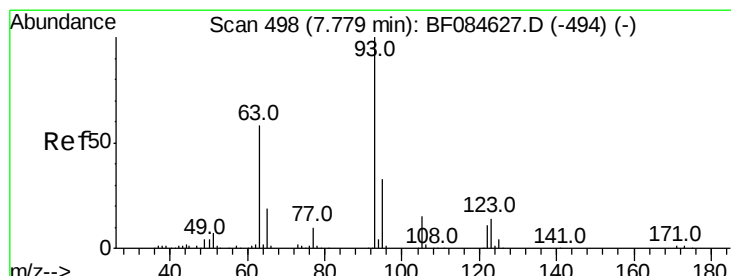
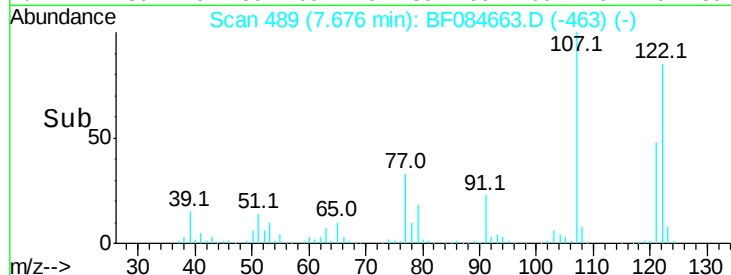
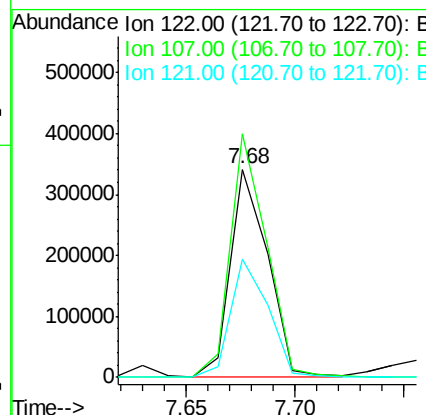
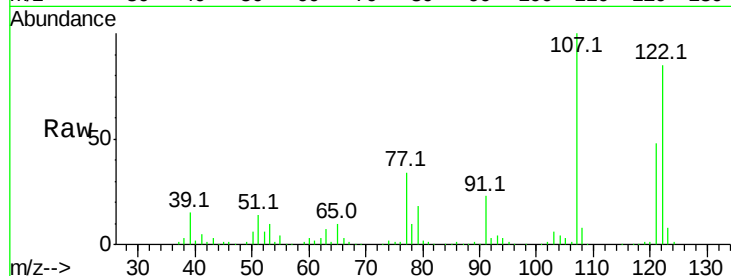
#27
 2,4-Dimethylphenol
 Concen: 36.27 ng
 RT: 7.68 min Scan# 489
 Delta R.T. -0.00 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Instrument :
 BNA_F
 ClientSampleId :
 SCARBOROUGH1516-00(0-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100			
107	117.1	99.1	148.7	
121	56.6	47.9	71.9	

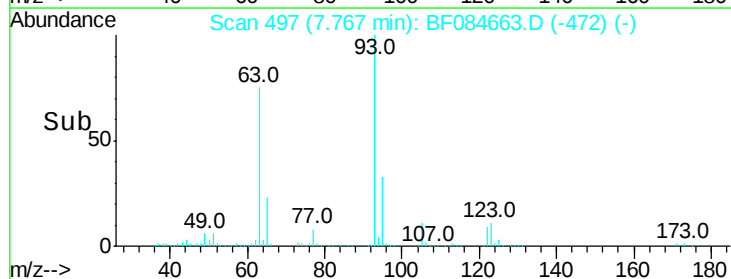
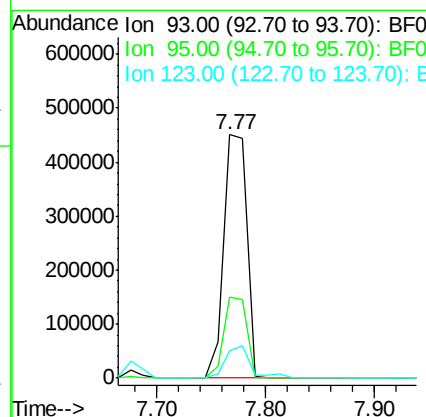
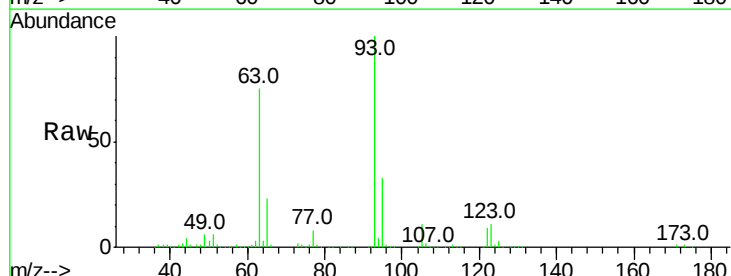
Manual Integrations
 APPROVED

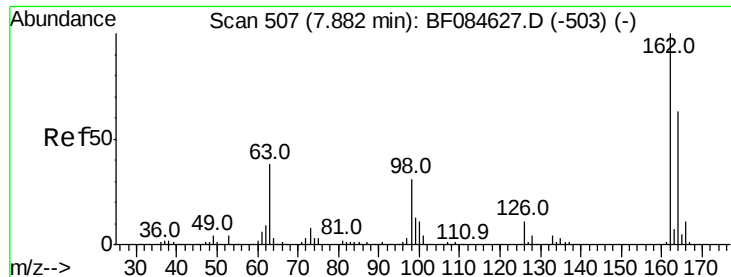
mohammad
 2/1/2016 2:24:37 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 46.50 ng
 RT: 7.77 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Tgt Ion	Ratio	Resp	Lower	Upper
93	100			
95	33.4	25.8	38.6	
123	11.0	8.6	12.8	





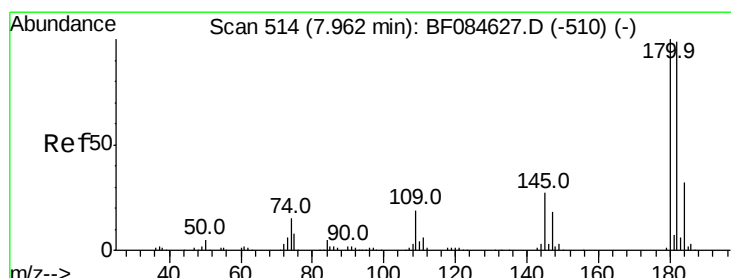
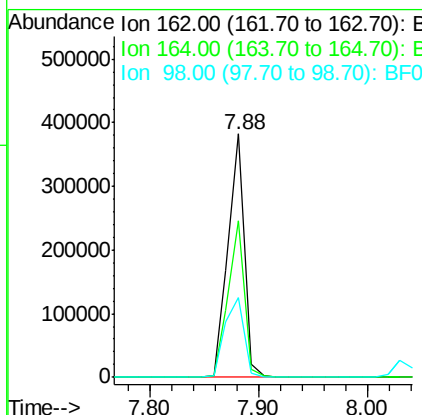
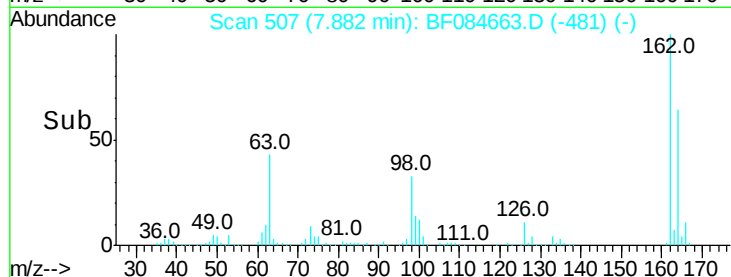
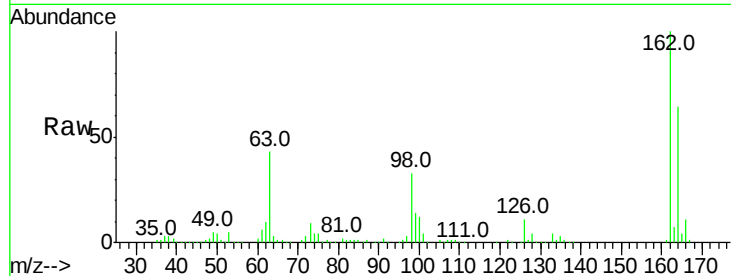
#29
 2,4-Dichlorophenol
 Concen: 40.43 ng
 RT: 7.88 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Instrument :
 BNA_F
 ClientSampleId :
 SCARBOROUGH1516-00(0-4)MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	64.2	44.1	84.1
98	32.6	20.2	60.2

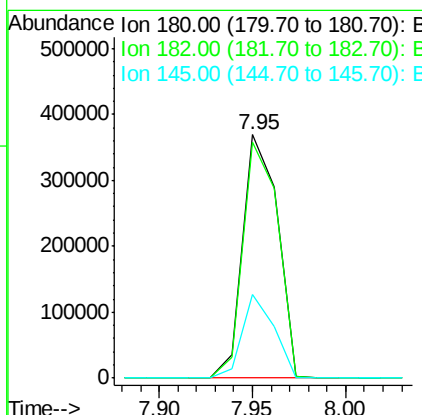
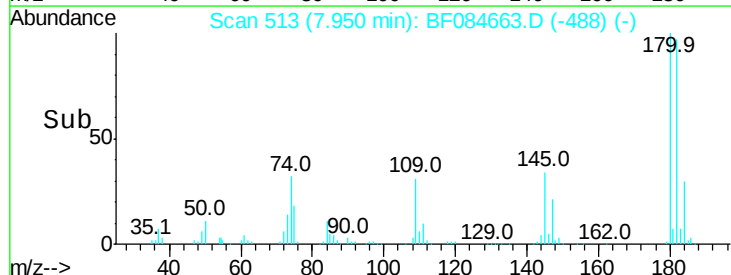
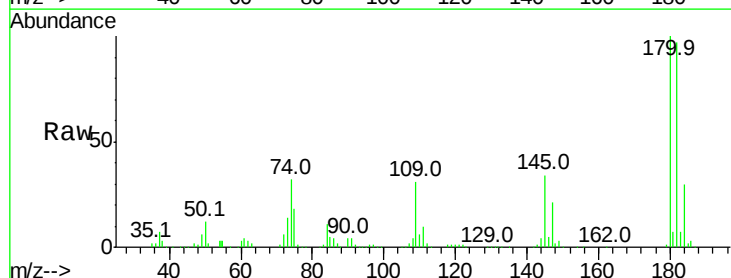
Manual Integrations
 APPROVED

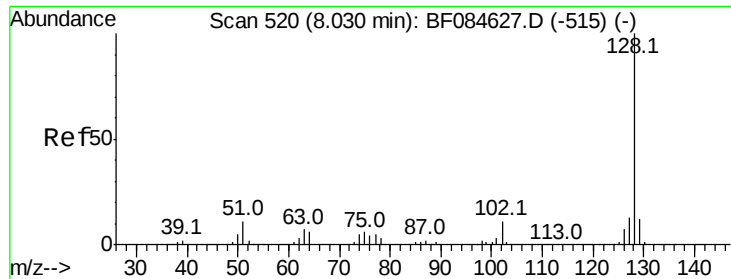
mohammad
 2/1/2016 2:24:37 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 42.48 ng
 RT: 7.95 min Scan# 513
 Delta R.T. -0.01 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.7	76.4	114.6
145	34.4	31.6	47.4





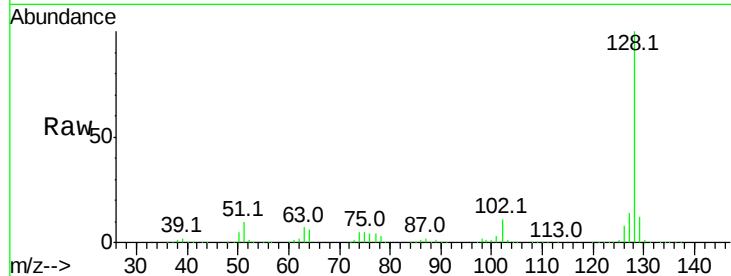
#31
Naphthalene
Concen: 57.17 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

Instrument :
BNA_F
ClientSampleId :
SCARBOROUGH1516-00(0-4)MSD

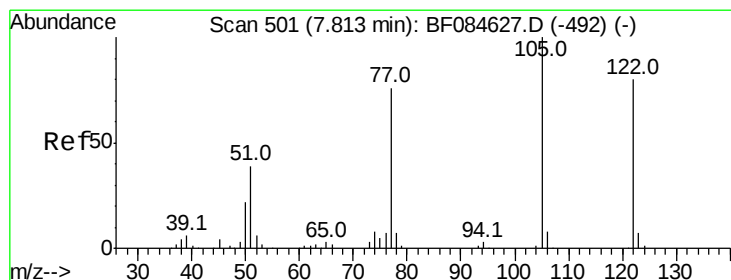
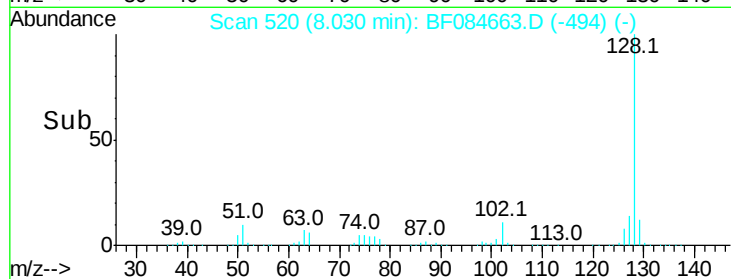
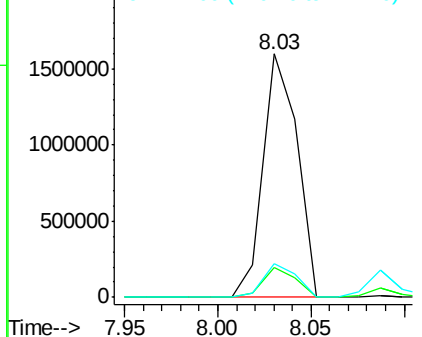
Tot Ion:128 Resp: 2048641
Ion Ratio Lower Upper
128 100
129 12.1 9.1 13.7
127 13.8 11.1 16.7

Manual Integrations
APPROVED

mohammad
2/1/2016 2:24:37 PM



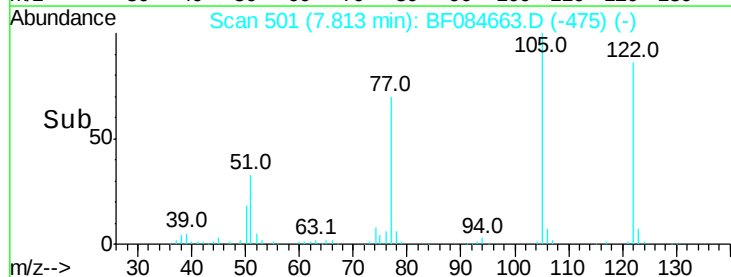
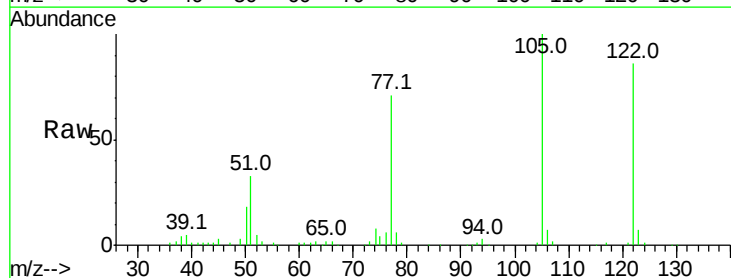
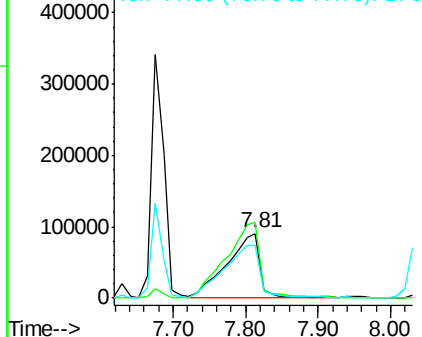
Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

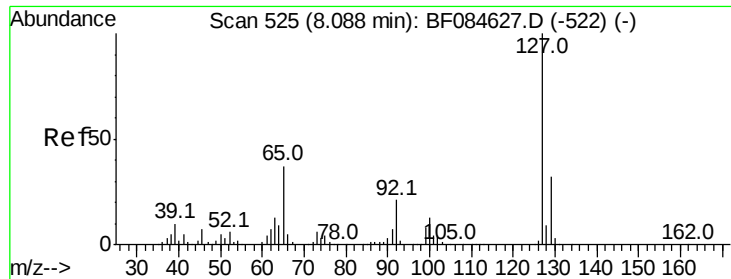


#32
Benzoic acid
Concen: 32.80 ng
RT: 7.81 min Scan# 501
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

Tgt Ion:122 Resp: 283271
Ion Ratio Lower Upper
122 100
105 116.5 100.3 140.3
77 82.2 63.5 103.5

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





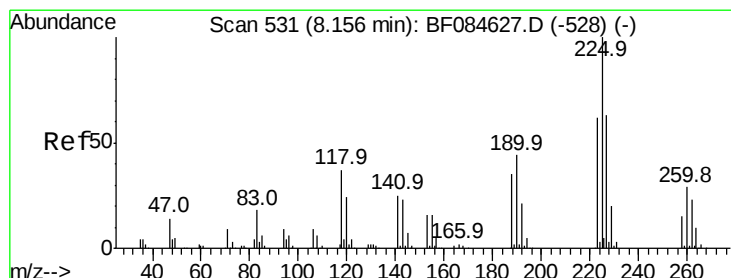
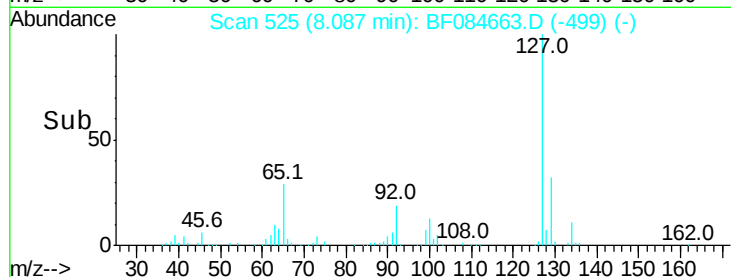
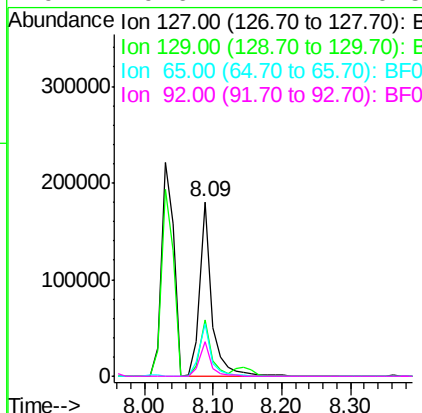
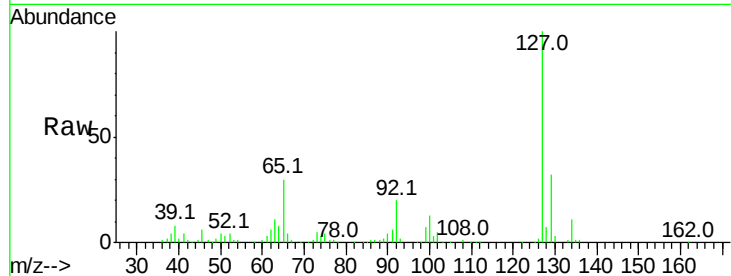
#33
4-Chloroaniline
Concen: 14.77 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

Instrument :
BNA_F
ClientSampleId :
SCARBOROUGH1516-00(0-4)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.1	26.5	39.7		
65	30.4	27.2	40.8		
92	19.6	17.7	26.5		

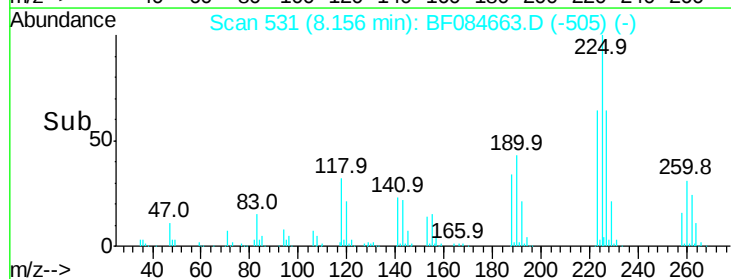
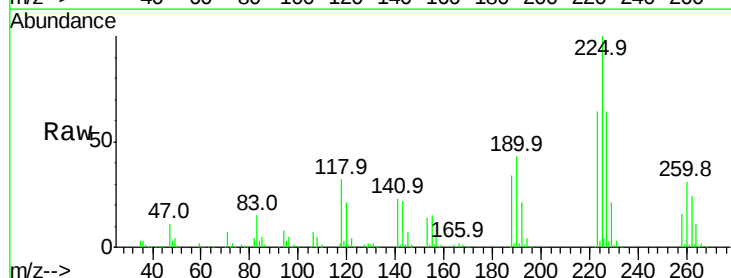
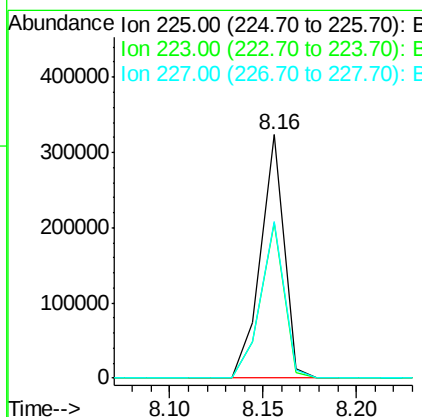
Manual Integrations
APPROVED

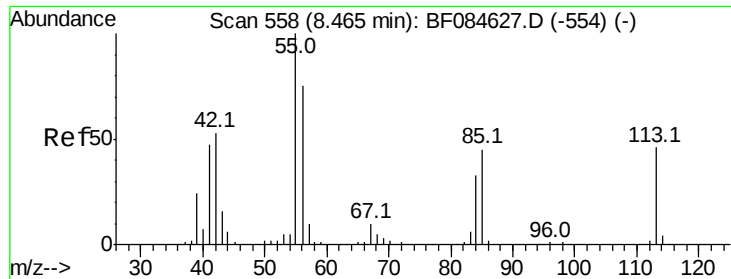
mohammad
2/1/2016 2:24:37 PM



#34
Hexachlorobutadiene
Concen: 42.43 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	64.0	49.4	74.0		
227	64.4	50.8	76.2		





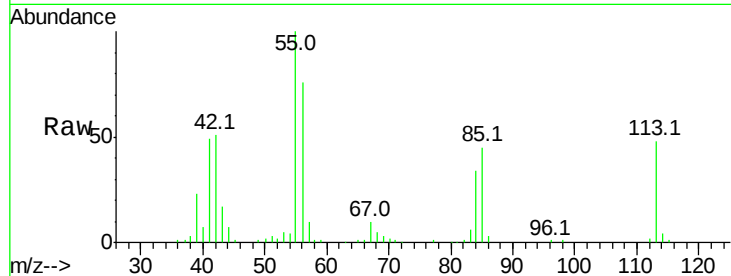
#35
 Caprolactam
 Concen: 36.29 ng/ml
 RT: 8.45 min Scan# 557
 Delta R.T. -0.01 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Instrument :
 BNA_F
 ClientSampleId :
 SCARBOROUGH1516-00(0-4)MSD

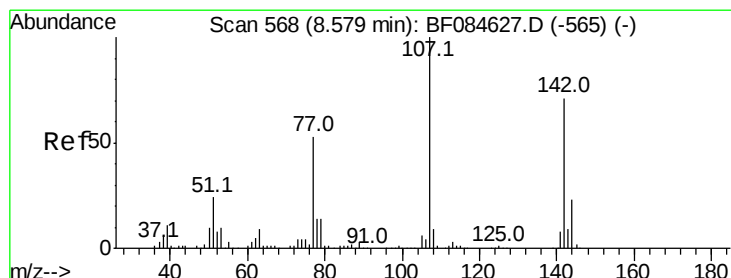
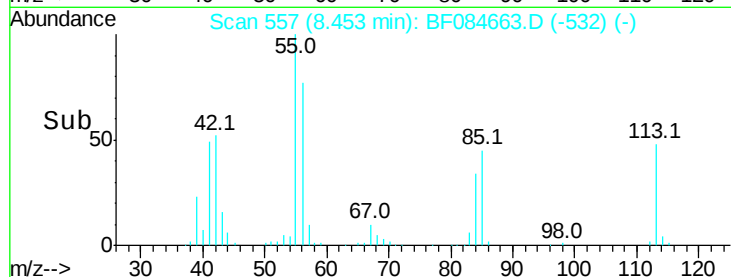
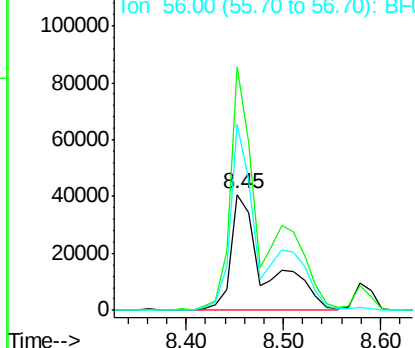
Tot Ion:113 Resp: 102477
 Ion Ratio Lower Upper
 113 100
 55 209.9 116.9 156.9#
 56 160.3 93.8 133.8#

Manual Integrations
 APPROVED

mohammad
 2/1/2016 2:24:37 PM

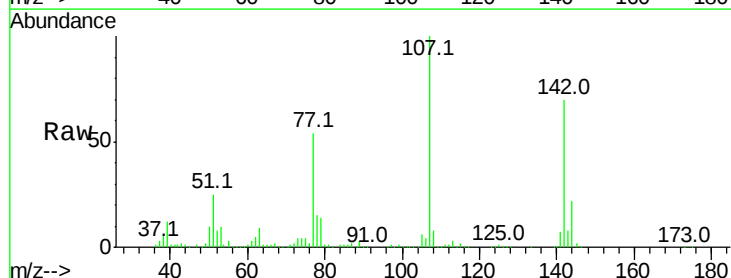


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

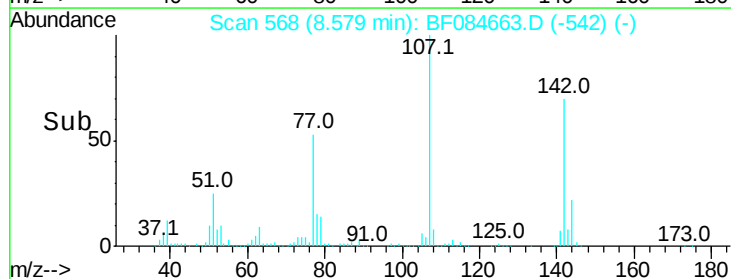
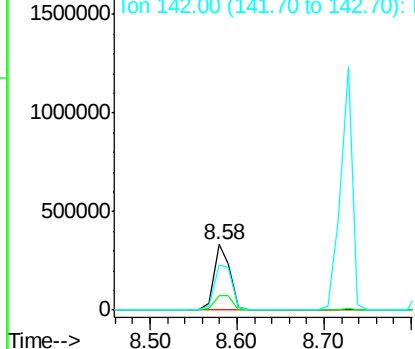


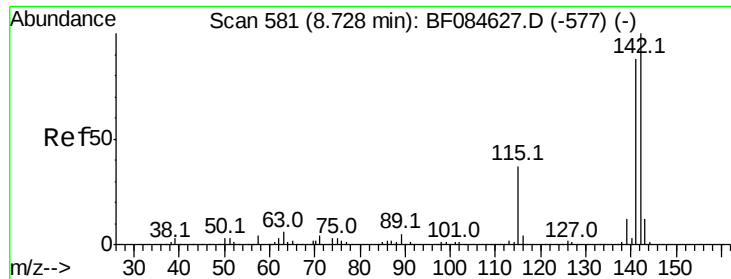
#36
 4-Chloro-3-methylphenol
 Concen: 39.77 ng/ml
 RT: 8.58 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Tgt Ion:107 Resp: 430842
 Ion Ratio Lower Upper
 107 100
 144 22.5 19.7 29.5
 142 70.0 61.8 92.6



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E





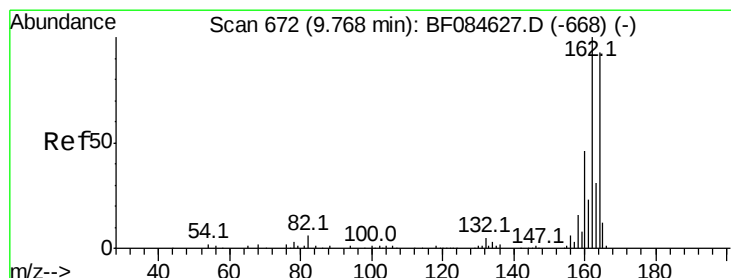
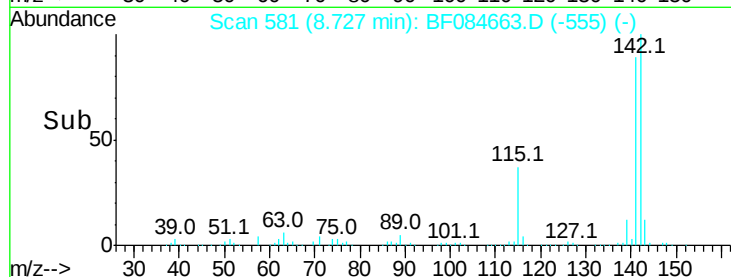
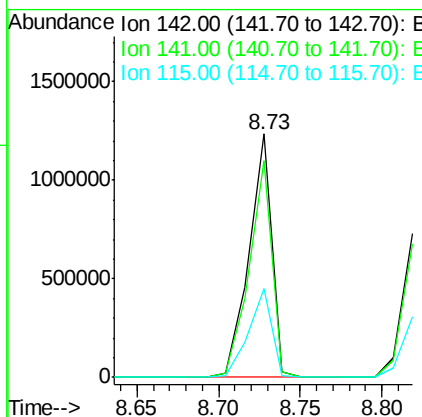
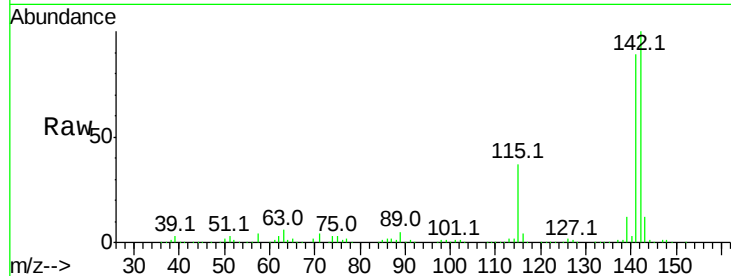
#37
2-Methylnaphthalene
Concen: 54.26 ng
RT: 8.73 min Scan# 581
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

Instrument :
BNA_F
ClientSampleId :
SCARBOROUGH1516-00(0-4)MSD

Tot Ion:142 Resp: 1193484
Ion Ratio Lower Upper
142 100
141 88.9 72.4 108.6
115 36.5 27.9 41.9

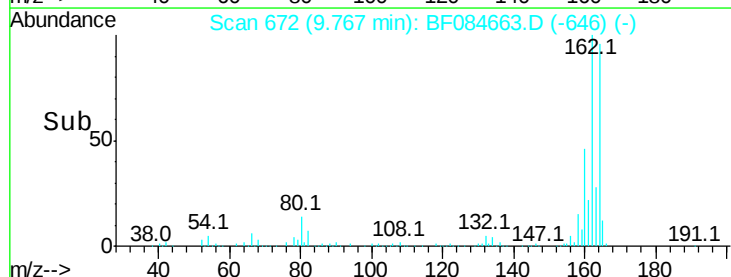
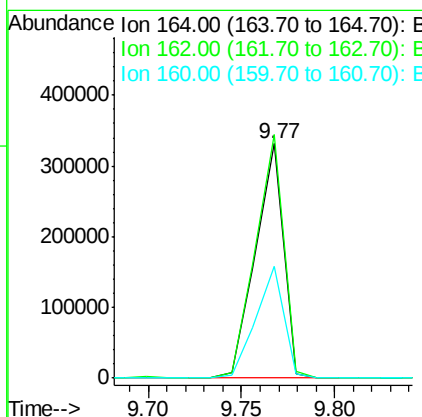
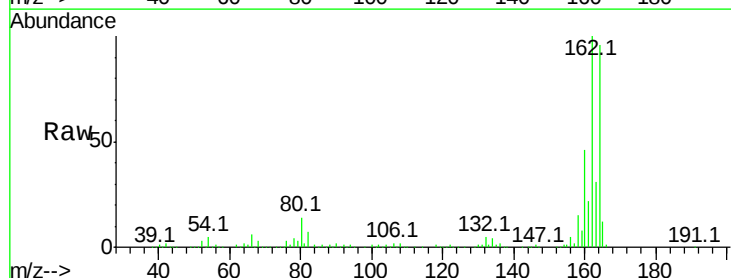
Manual Integrations
APPROVED

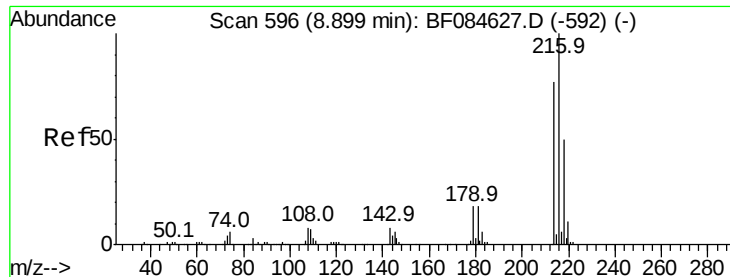
mohammad
2/1/2016 2:24:37 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

Tgt Ion:164 Resp: 343042
Ion Ratio Lower Upper
164 100
162 104.0 85.1 127.7
160 47.8 37.5 56.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 38.69 ng

RT: 8.89 min Scan# 595

Delta R.T. -0.01 min

Lab File: BF084663.D

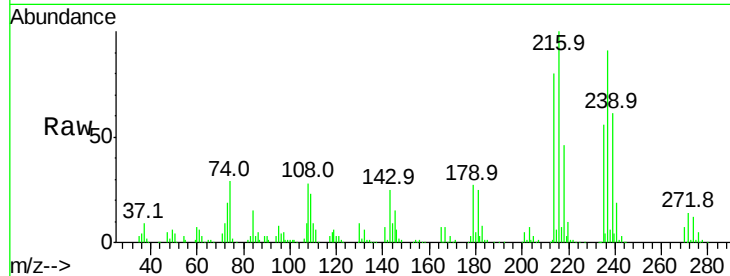
Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

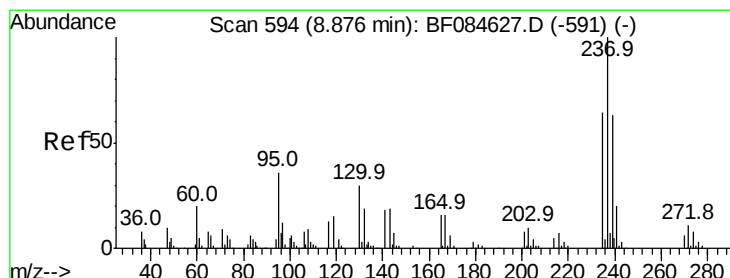
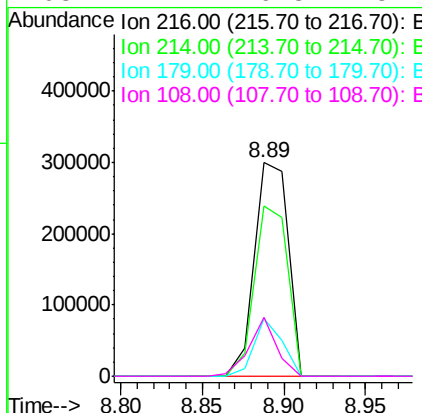
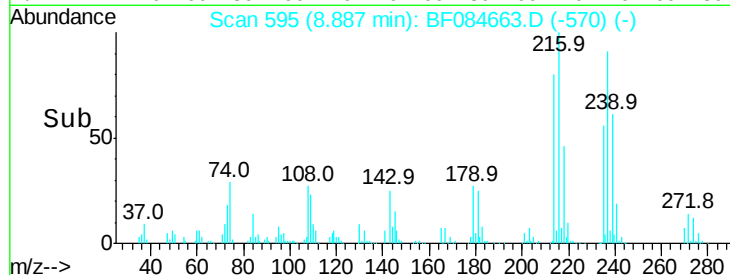
SCARBOROUGH1516-00(0-4)MSD



Tot Ion	Ratio	Resp	Lower	Upper
216	100			
214	78.7	64.2	96.2	
179	22.8	18.7	28.1	
108	22.4	16.8	25.2	

Manual Integrations
APPROVED

mohammad
2/1/2016 2:24:37 PM



#40

Hexachlorocyclopentadiene

Concen: 90.17 ng

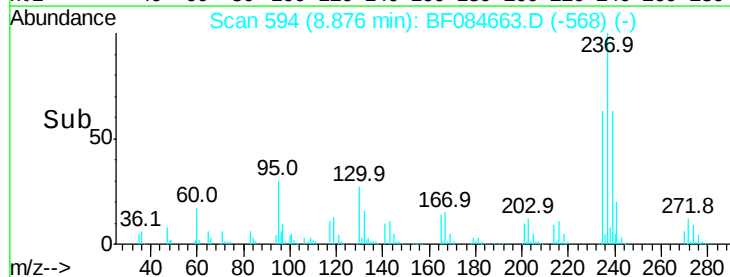
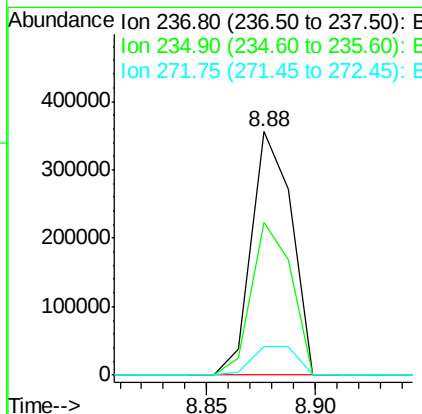
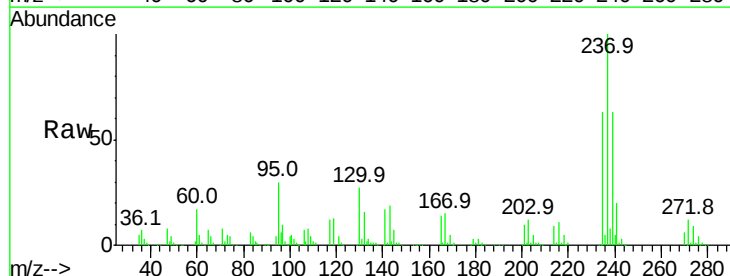
RT: 8.88 min Scan# 594

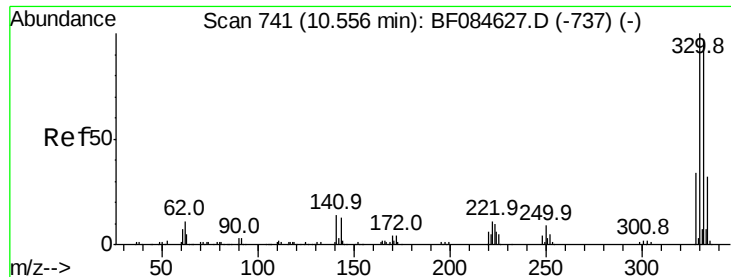
Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Tgt Ion	Ratio	Resp	Lower	Upper
237	100			
235	62.9	43.1	83.1	
272	11.8	0.0	35.1	





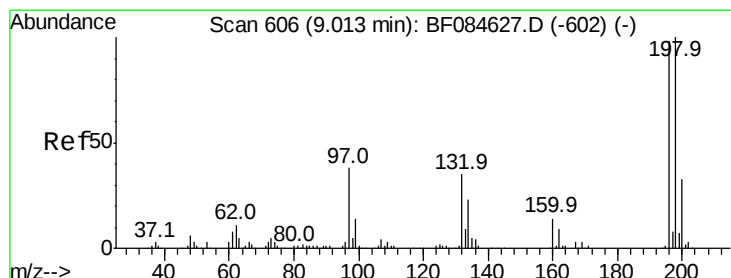
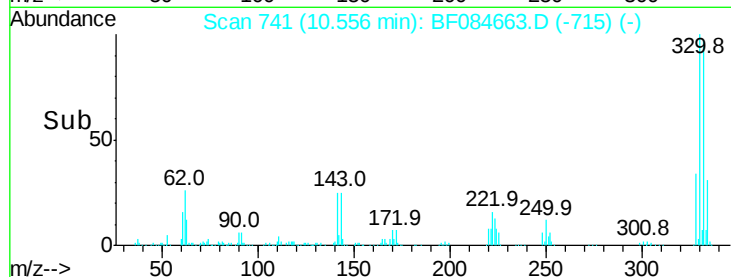
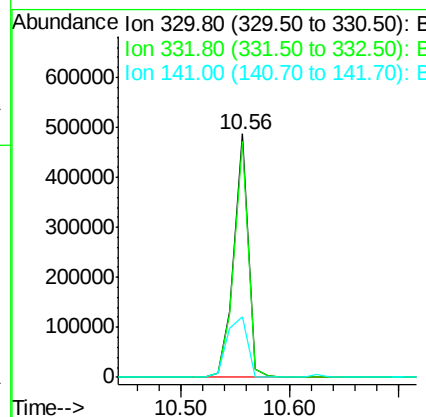
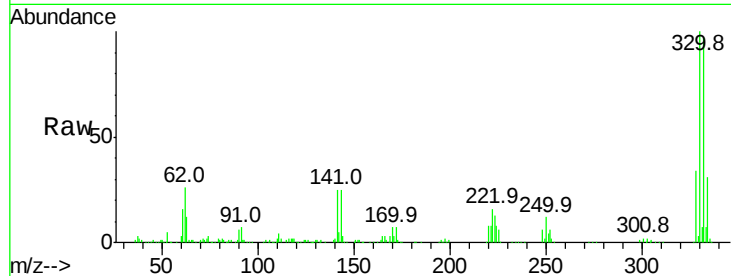
#41
 2,4,6-Tribromophenol
 Concen: 124.30 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.00 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Instrument :
 BNA_F
 ClientSampleId :
 SCARBOROUGH1516-00(0-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.4	76.6	114.8	
141	35.5	27.8	41.6	

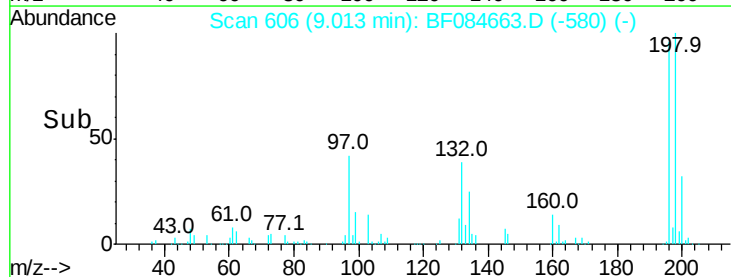
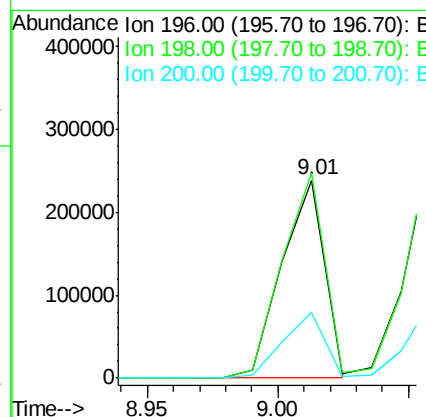
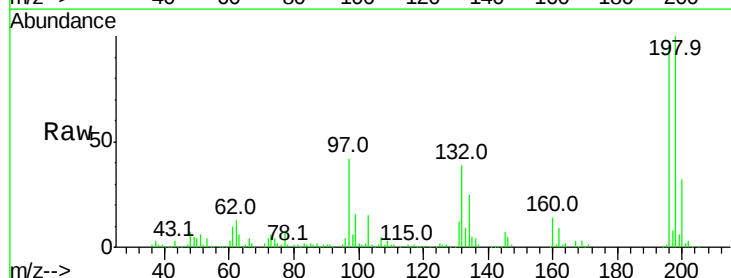
Manual Integrations
 APPROVED

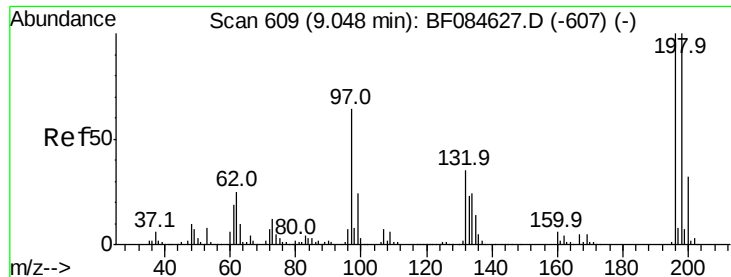
mohammad
 2/1/2016 2:24:37 PM



#42
 2,4,6-Trichlorophenol
 Concen: 39.23 ng
 RT: 9.01 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	104.0	77.7	116.5	
200	33.3	24.6	37.0	





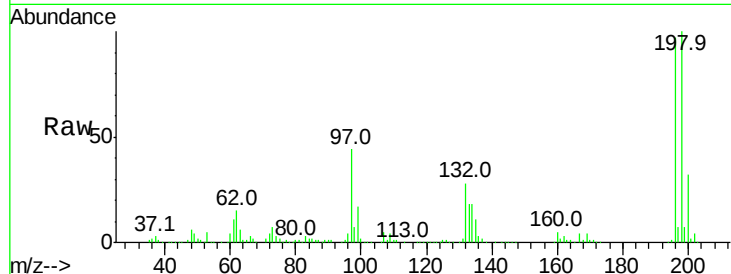
#43
 2,4,5-Trichlorophenol
 Concen: 41.05 ng
 RT: 9.06 min Scan# 610
 Delta R.T. 0.01 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Instrument :
 BNA_F
 ClientSampleId :
 SCARBOROUGH1516-00(0-4)MSD

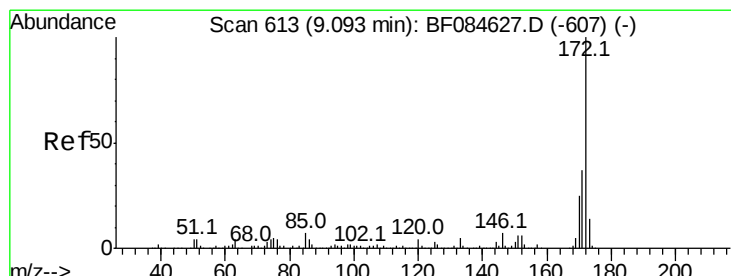
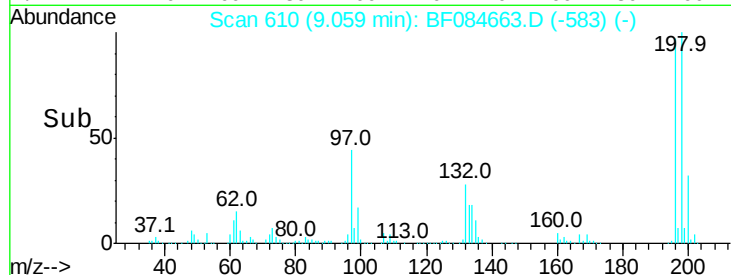
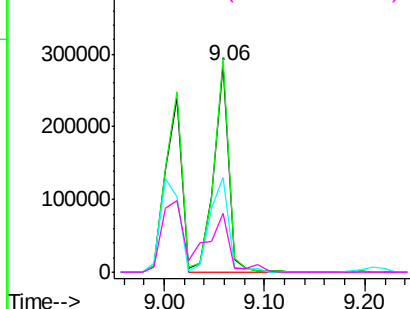
Tot Ion	Ratio	Resp	Lower	Upper
196	100	292878		
198	103.3	79.0	118.6	
97	45.9	33.0	49.6	
132	28.8	21.1	31.7	

Manual Integrations
 APPROVED

mohammad
 2/1/2016 2:24:37 PM



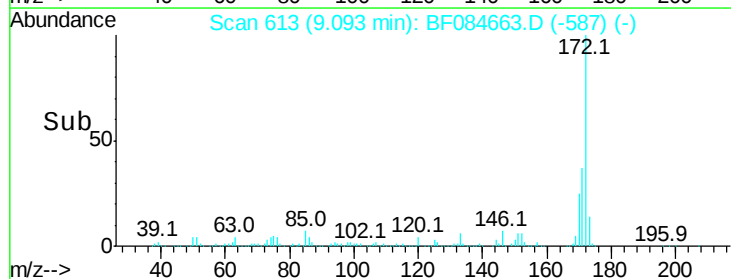
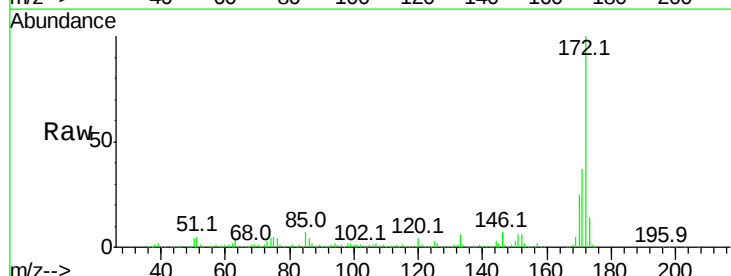
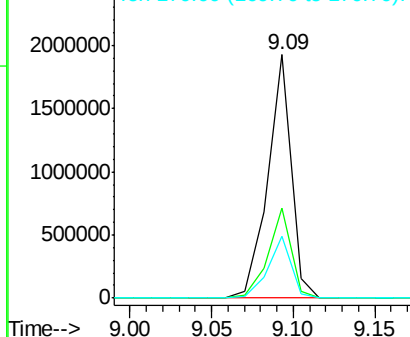
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

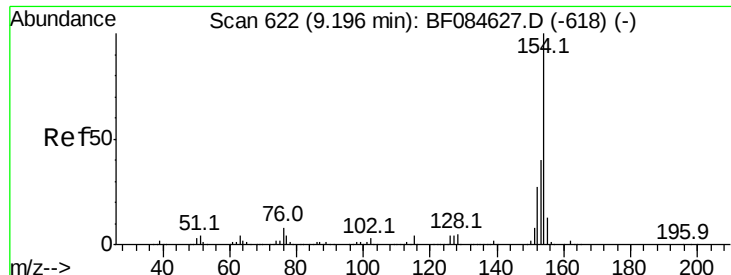


#44
 2-Fluorobiphenyl
 Concen: 83.81 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1934297		
171	37.1	28.9	43.3	
170	25.2	18.6	27.8	

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





#45

1,1'-Biphenyl

Concen: 43.54 ng

RT: 9.20 min Scan# 622

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

Tot Ion:154 Resp: 1368798

Ion Ratio Lower Upper

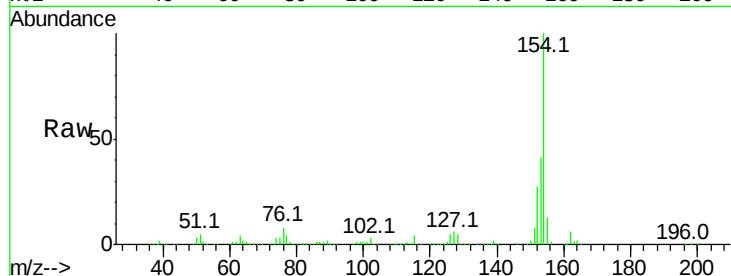
154 100

153 40.6 21.6 61.6

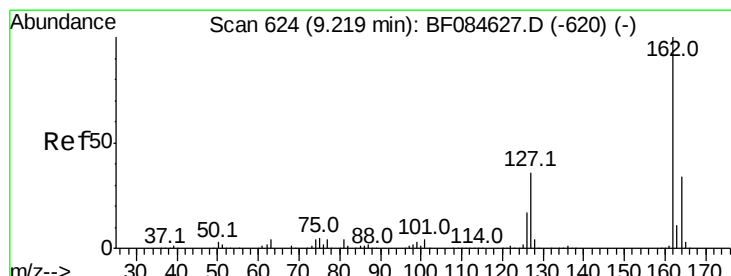
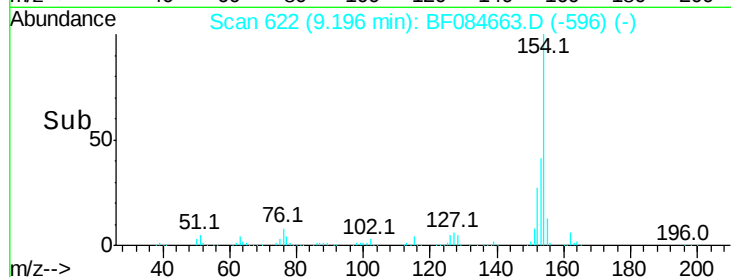
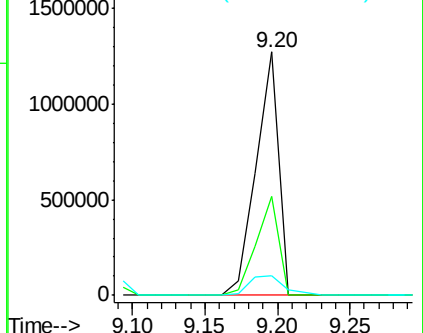
76 8.0 0.0 32.7

Manual Integrations
APPROVED

mohammad
2/1/2016 2:24:37 PM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 43.60 ng

RT: 9.22 min Scan# 624

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

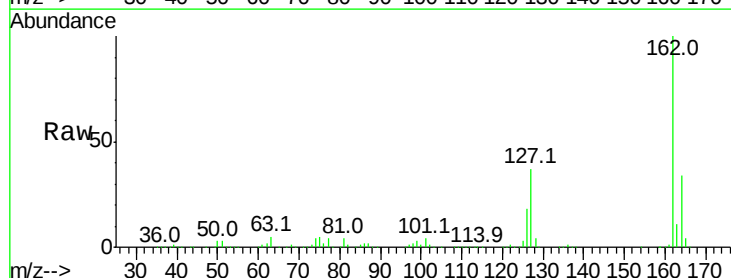
Tgt Ion:162 Resp: 1000136

Ion Ratio Lower Upper

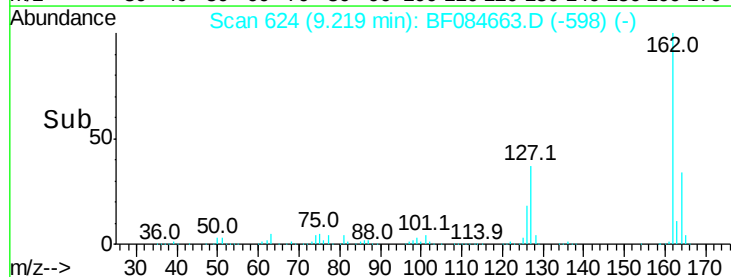
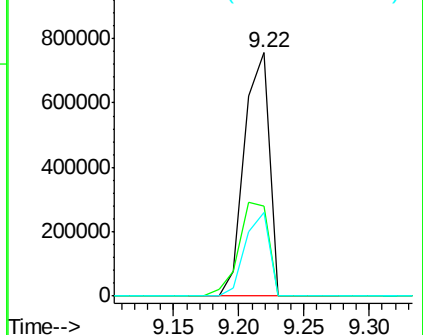
162 100

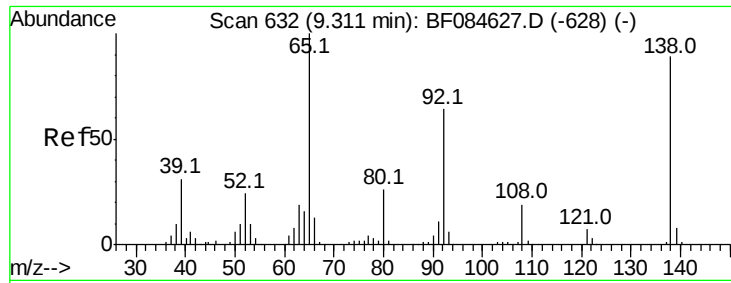
127 36.9 40.2 60.4#

164 34.1 25.7 38.5



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E





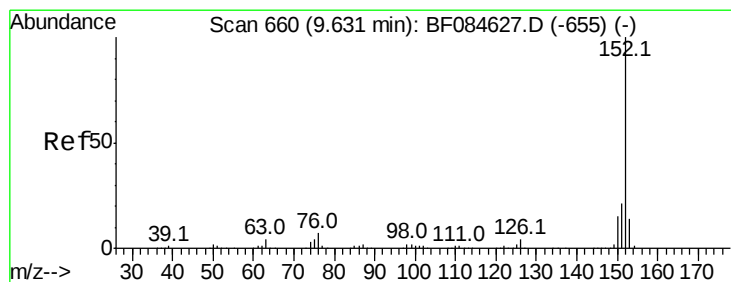
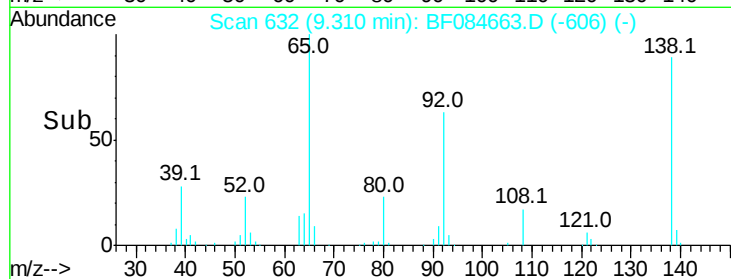
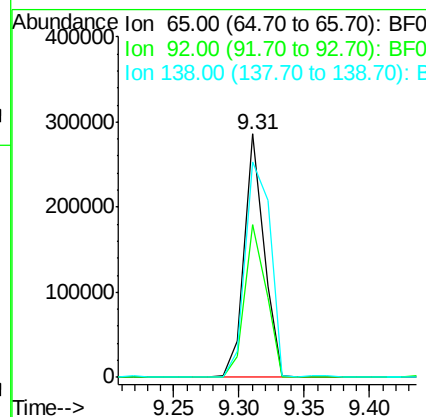
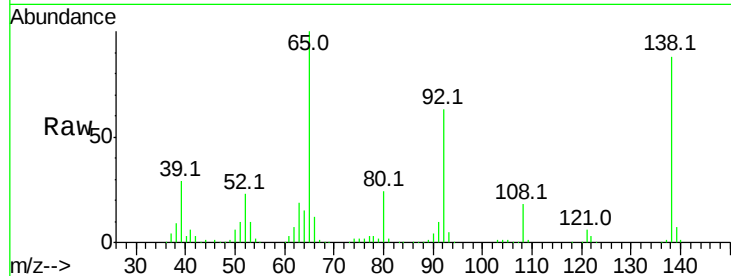
#47
 2-Nitroaniline
 Concen: 43.79 ng
 RT: 9.31 min Scan# 632
 Delta R.T. -0.00 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Instrument :
 BNA_F
 ClientSampleId :
 SCARBOROUGH1516-00(0-4)MSD

Tot Ion:	65	Resp:	301657
Ion Ratio	Lower	Upper	
65	100		
92	62.7	53.4	80.2
138	88.4	71.1	106.7

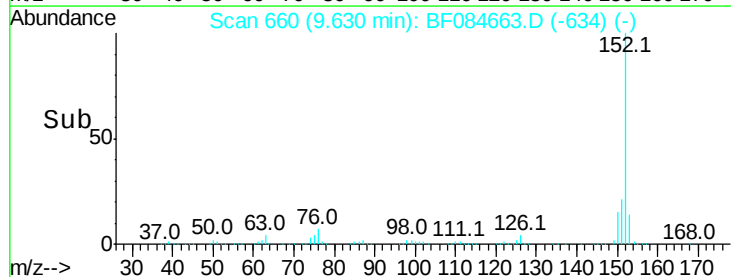
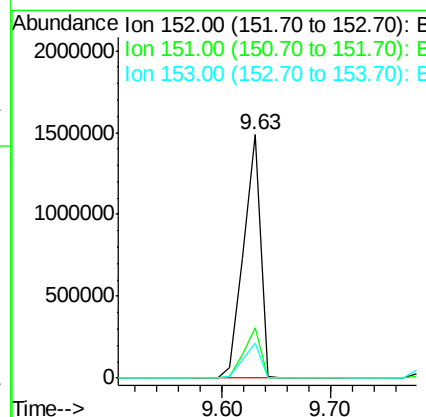
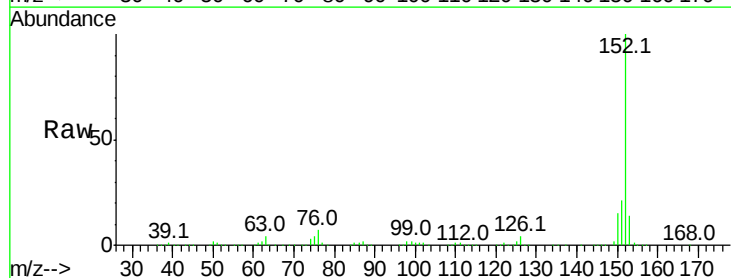
Manual Integrations
 APPROVED

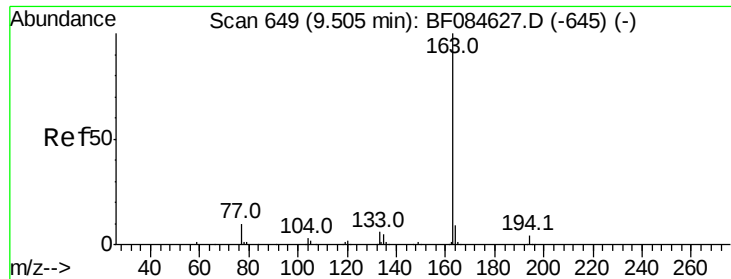
mohammad
 2/1/2016 2:24:37 PM



#48
 Acenaphthylene
 Concen: 45.33 ng
 RT: 9.63 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Tgt Ion:	152	Resp:	1575483
Ion Ratio	Lower	Upper	
152	100		
151	20.8	16.3	24.5
153	14.2	10.4	15.6





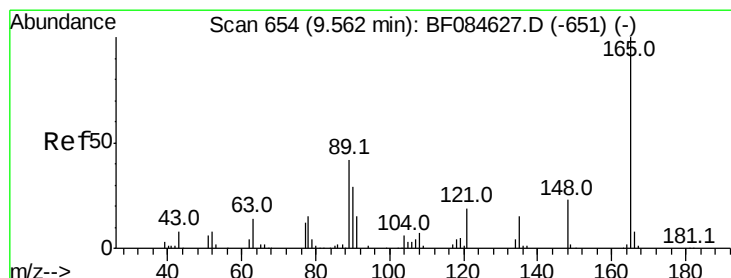
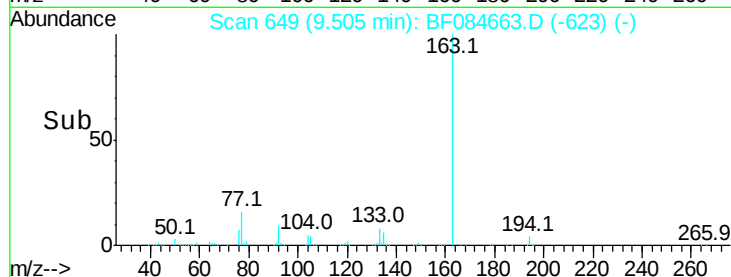
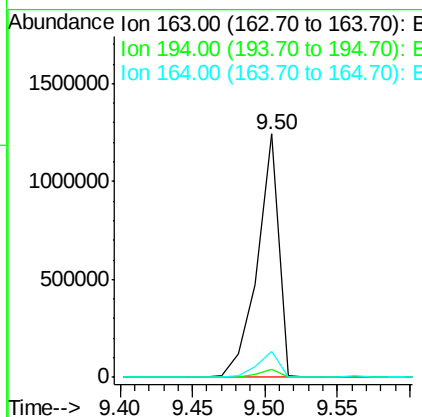
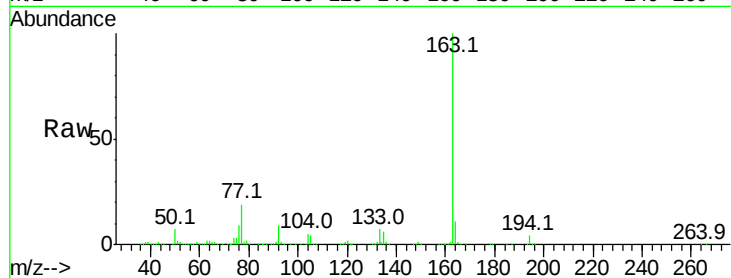
#49
Dimethylphthalate
Concen: 49.48 ng
RT: 9.50 min Scan# 649
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

Instrument :
BNA_F
ClientSampleId :
SCARBOROUGH1516-00(0-4)MSD

Tot Ion:163 Resp: 1273914
Ion Ratio Lower Upper
163 100
194 3.5 8.0 12.0#
164 10.6 8.0 12.0

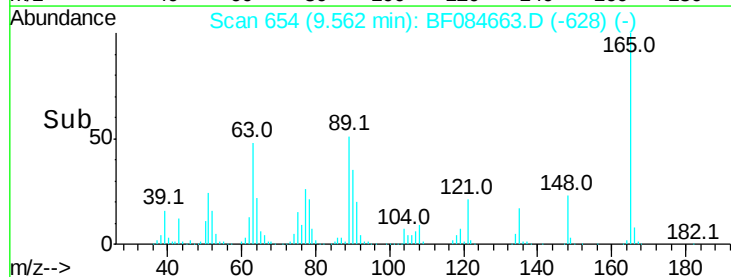
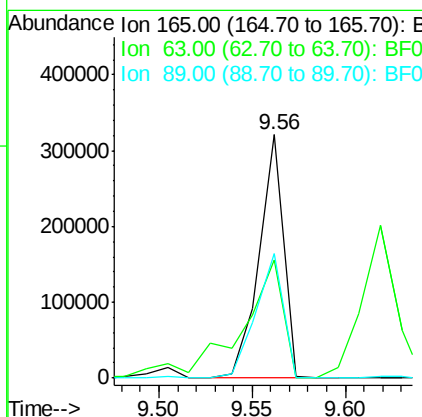
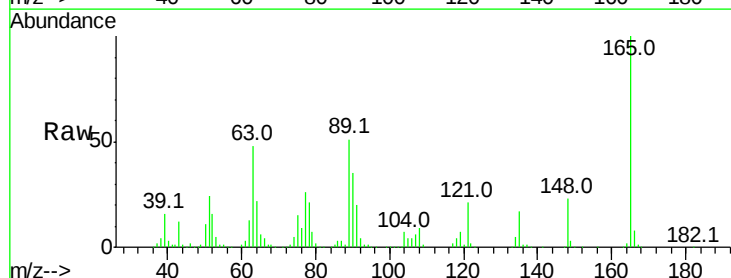
Manual Integrations
APPROVED

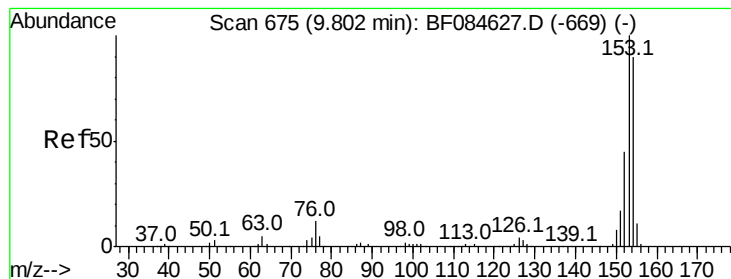
mohammad
2/1/2016 2:24:37 PM



#50
2,6-Dinitrotoluene
Concen: 51.22 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

Tgt Ion:165 Resp: 290150
Ion Ratio Lower Upper
165 100
63 48.4 28.8 43.2#
89 51.1 35.1 52.7





#51

Acenaphthene

Concen: 46.56 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

Tot Ion:154 Resp: 1083555

Ion Ratio Lower Upper

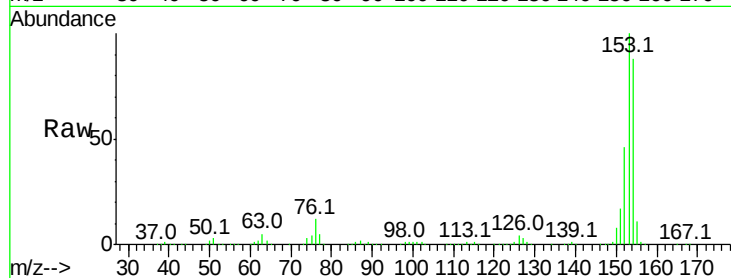
154 100

153 113.9 91.5 137.3

152 52.0 43.0 64.6

Manual Integrations
APPROVED

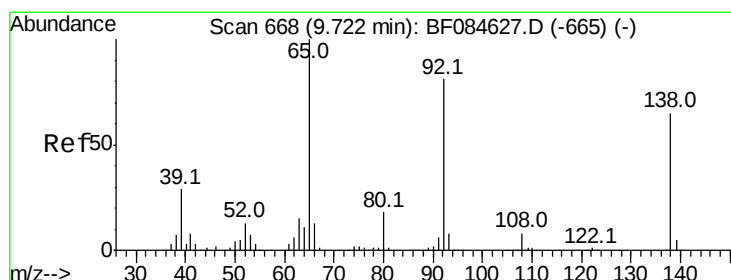
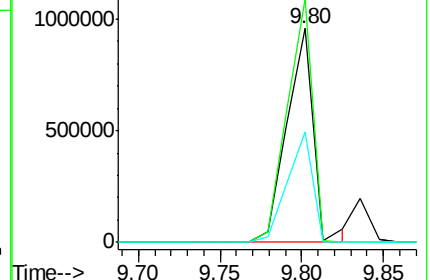
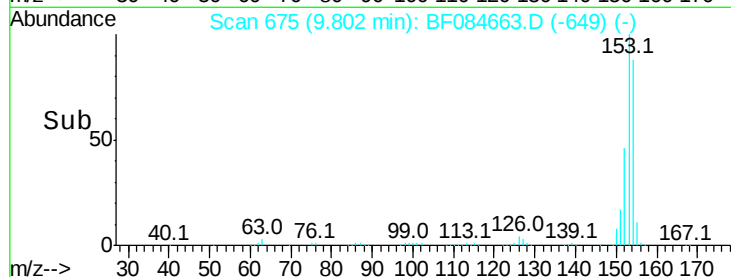
mohammad
2/1/2016 2:24:37 PM



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: 26.25 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

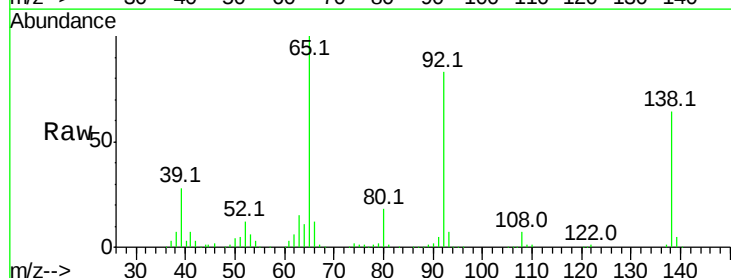
Tgt Ion:138 Resp: 155406

Ion Ratio Lower Upper

138 100

108 11.2 10.5 15.7

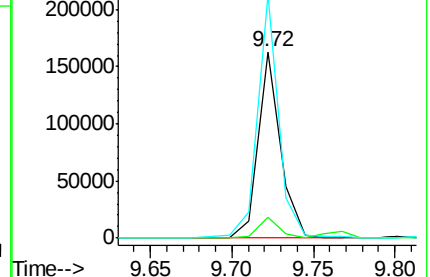
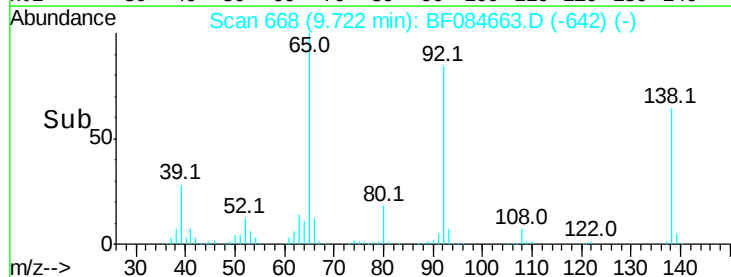
92 130.7 103.9 155.9

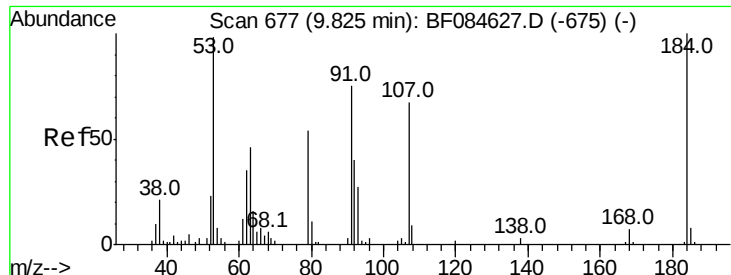


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





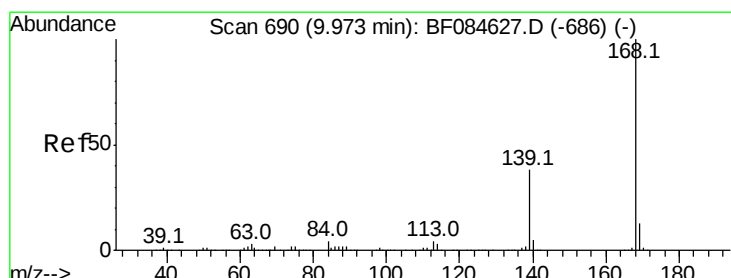
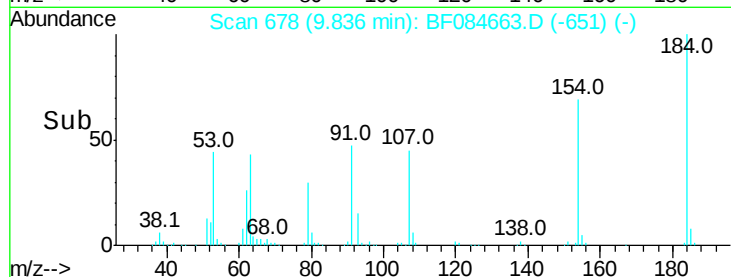
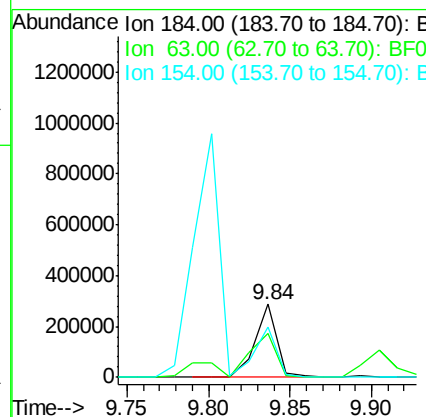
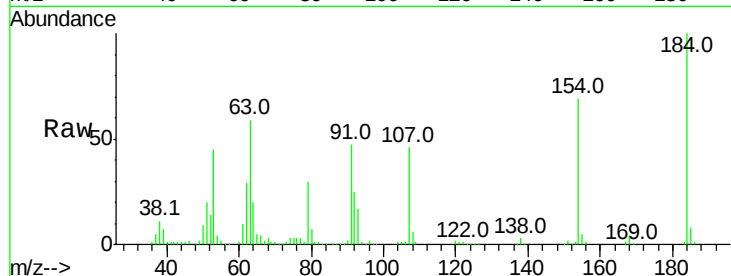
#53
 2,4-Dinitrophenol
 Concen: 95.77 ng
 RT: 9.84 min Scan# 678
 Delta R.T. 0.01 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Instrument :
 BNA_F
 ClientSampleId :
 SCARBOROUGH1516-00(0-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100	267711		
63	59.4	43.1	64.7	
154	69.2	60.5	90.7	

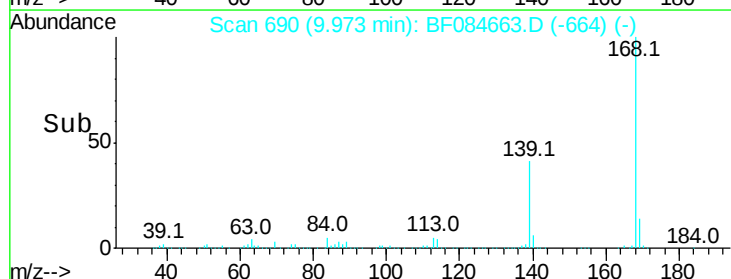
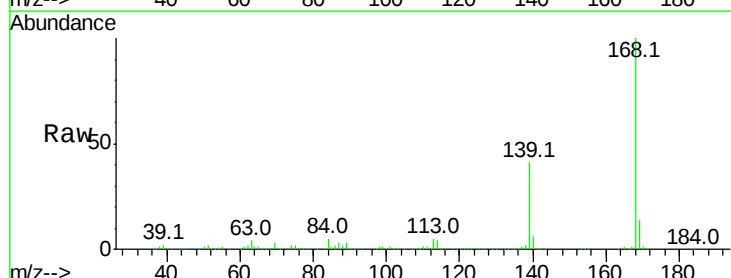
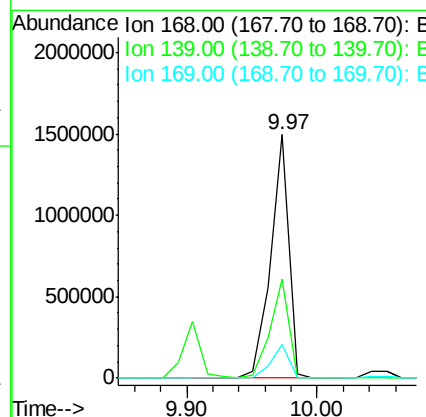
Manual Integrations
 APPROVED

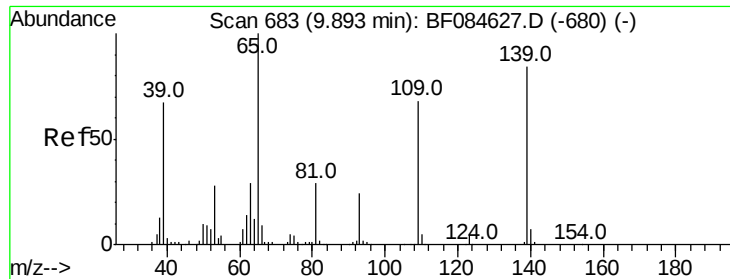
mohammad
 2/1/2016 2:24:37 PM



#54
 Dibenzofuran
 Concen: 52.05 ng
 RT: 9.97 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1445640		
139	40.6	30.5	45.7	
169	13.9	10.4	15.6	





#55

4-Nitrophenol

Concen: 77.40 ng

RT: 9.90 min Scan# 684

Delta R.T. 0.01 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

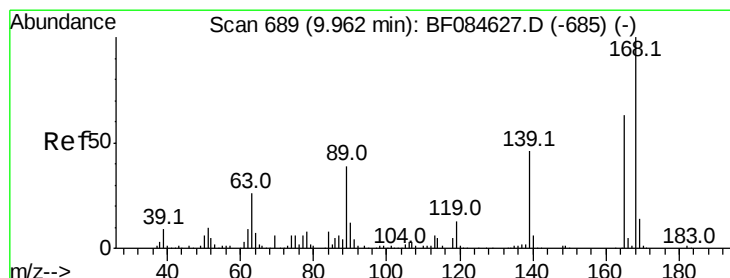
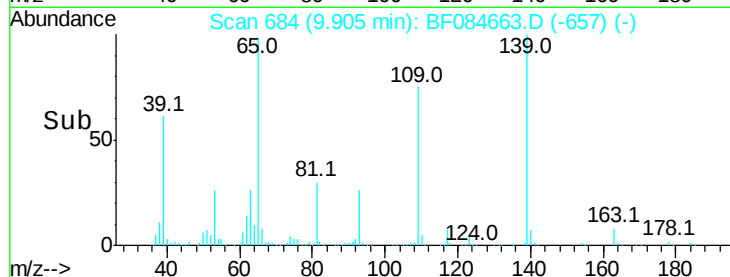
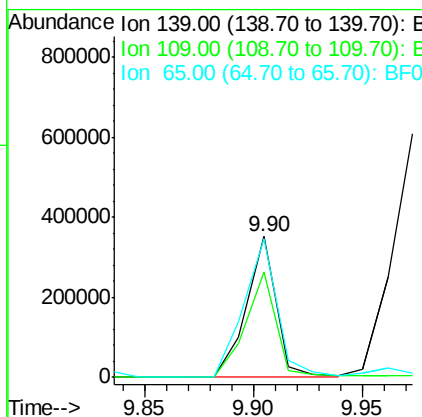
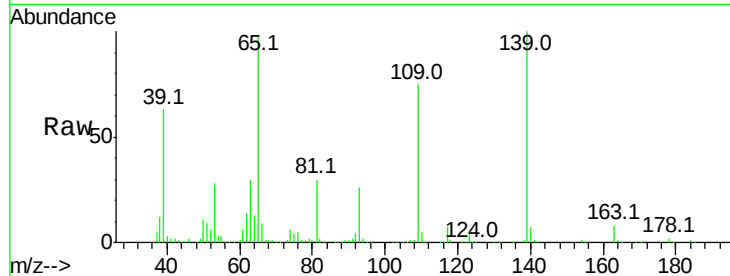
ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

Tot Ion:	139	Resp:	336543
Ion Ratio	Lower	Upper	
139	100		
109	75.1	58.5	98.5
65	98.3	57.6	97.6#

Manual Integrations
APPROVED

mohammad
2/1/2016 2:24:37 PM



#56

2,4-Dinitrotoluene

Concen: 46.99 ng

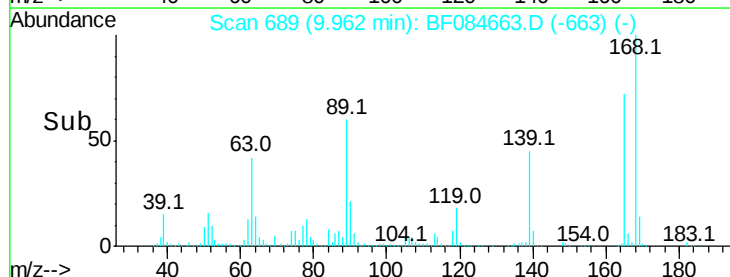
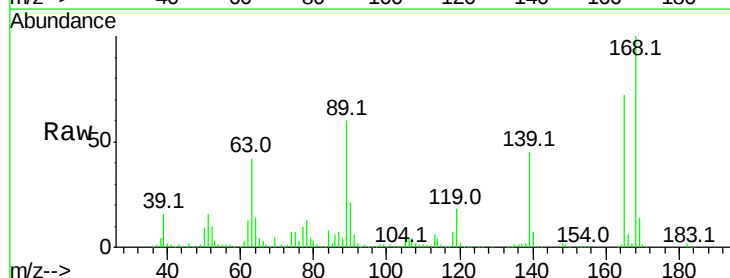
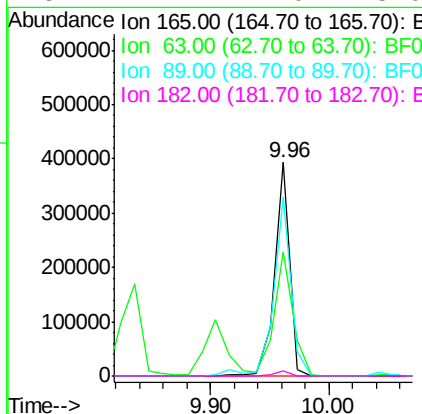
RT: 9.96 min Scan# 689

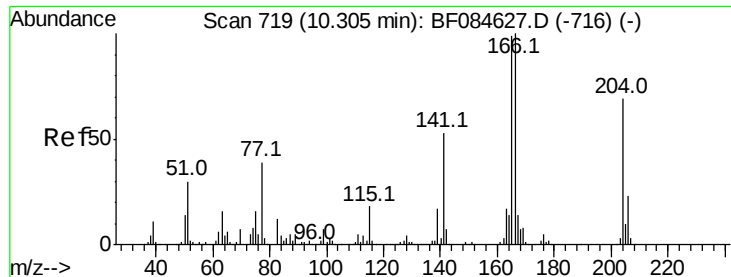
Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Tgt Ion:	165	Resp:	345818
Ion Ratio	Lower	Upper	
165	100		
63	58.2	36.7	55.1#
89	84.0	61.9	92.9
182	2.2	2.0	3.0





#57

Fluorene

Concen: 47.01 ng

RT: 10.32 min Scan# 720

Delta R.T. 0.01 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

Tot Ion:166 Resp: 1106723

Ion Ratio Lower Upper

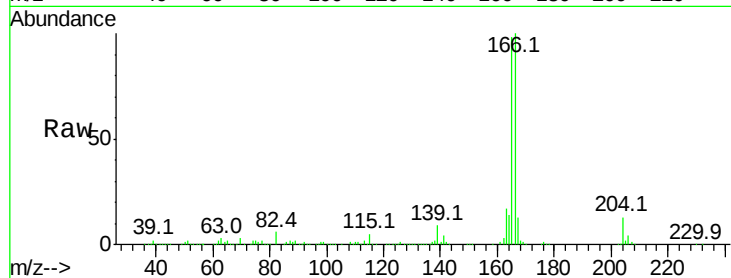
166 100

165 98.1 79.1 118.7

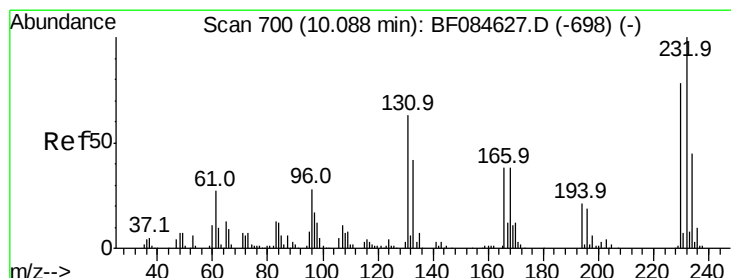
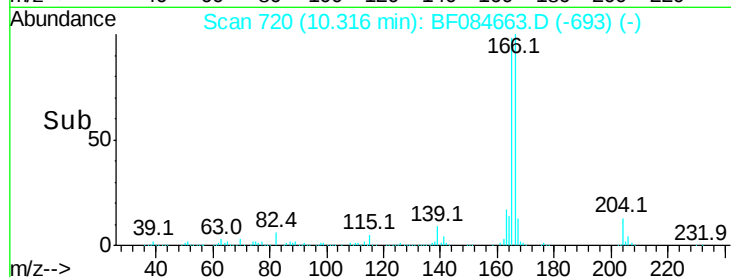
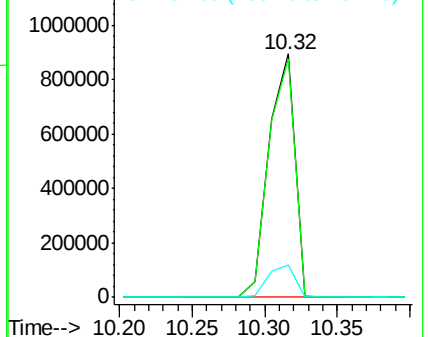
167 13.4 10.4 15.6

Manual Integrations
APPROVED

mohammad
2/1/2016 2:24:37 PM



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 43.59 ng

RT: 10.09 min Scan# 700

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Tgt Ion:232 Resp: 235172

Ion Ratio Lower Upper

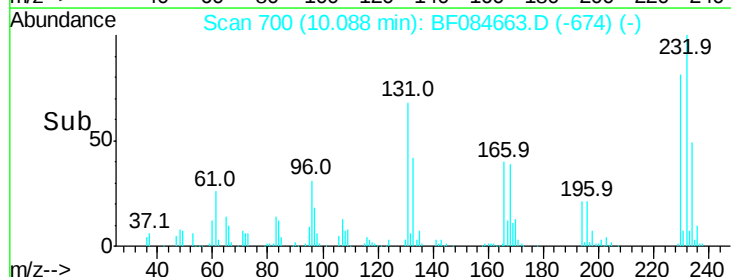
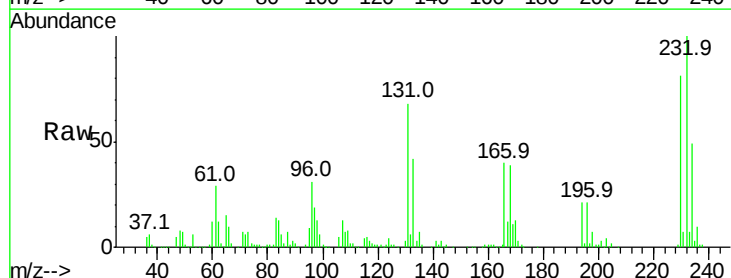
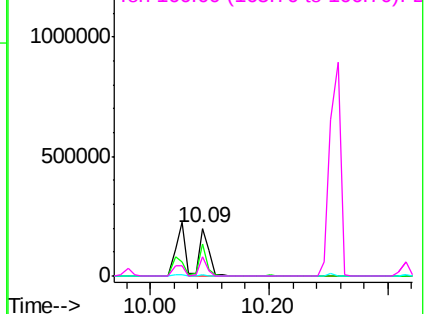
232 100

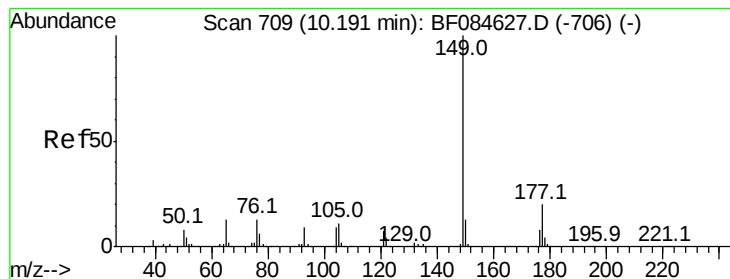
131 52.4 47.0 70.6

130 2.4 2.0 3.0

166 32.0 30.5 45.7

Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 48.67 ng

RT: 10.20 min Scan# 710

Delta R.T. 0.01 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

Tot Ion:149 Resp: 1226572

Ion Ratio Lower Upper

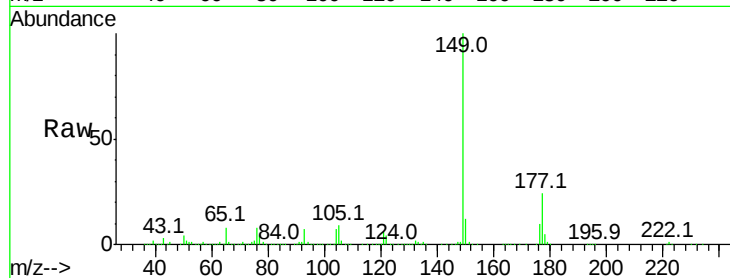
149 100

177 24.0 17.3 25.9

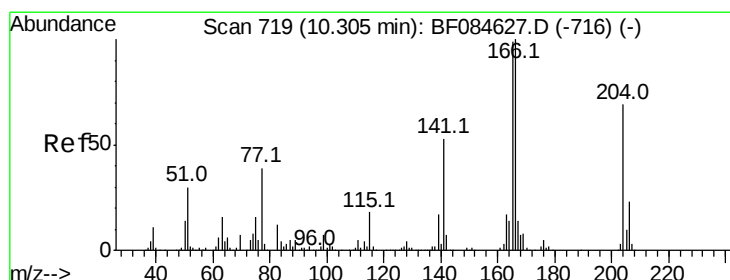
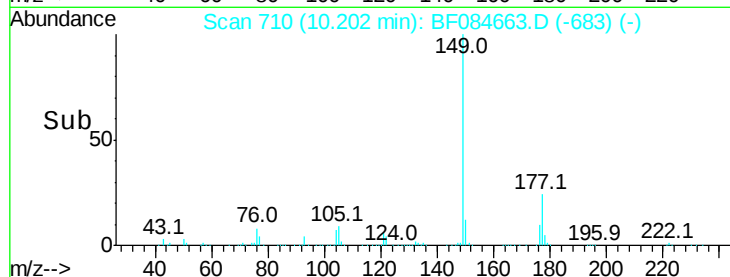
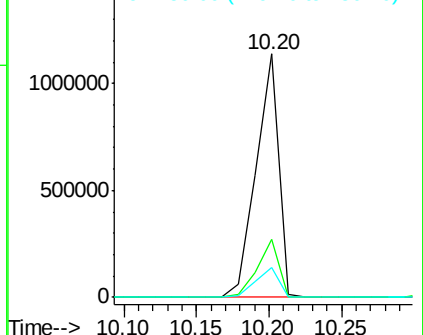
150 12.4 9.8 14.8

Manual Integrations
APPROVED

mohammad
2/1/2016 2:24:37 PM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 42.02 ng

RT: 10.30 min Scan# 719

Delta R.T. 0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

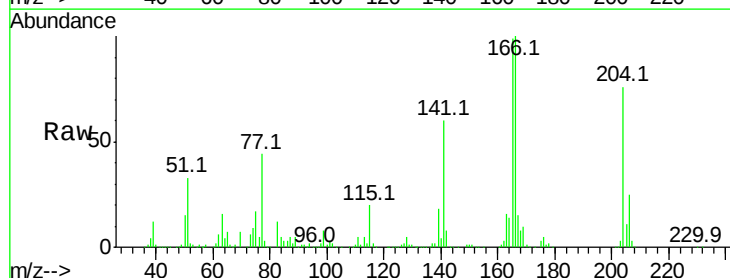
Tgt Ion:204 Resp: 444137

Ion Ratio Lower Upper

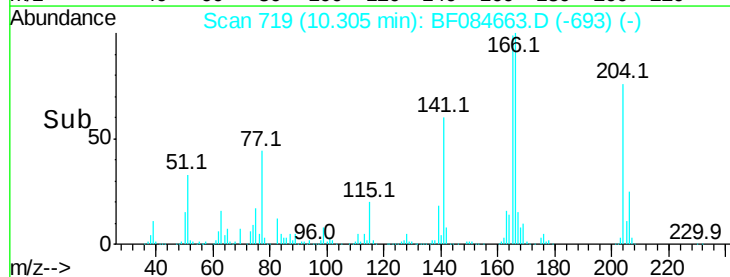
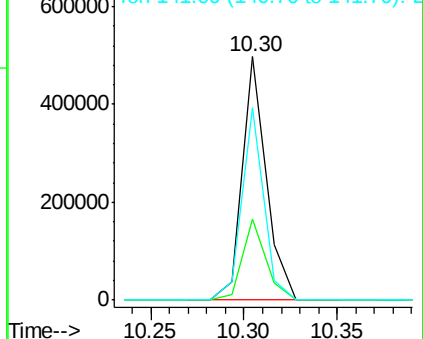
204 100

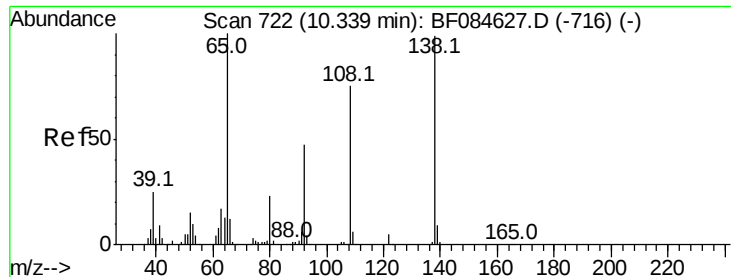
206 33.1 25.7 38.5

141 79.1 55.1 82.7



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 45.98 ng

RT: 10.34 min Scan# 722

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

Tot Ion:138 Resp: 257604

Ion Ratio Lower Upper

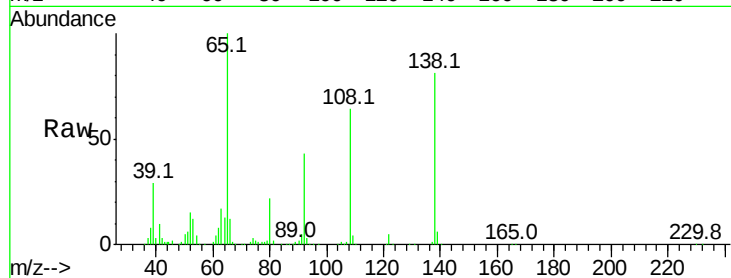
138 100

92 53.2 32.6 72.6

108 78.5 68.6 108.6

Manual Integrations
APPROVED

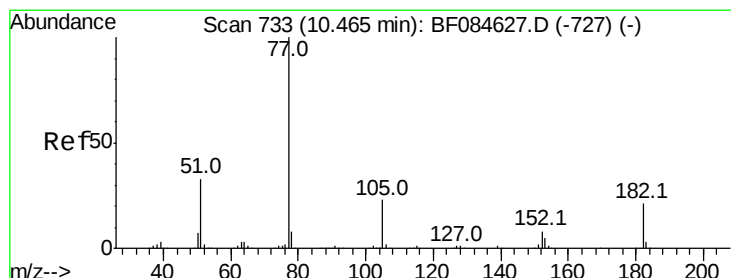
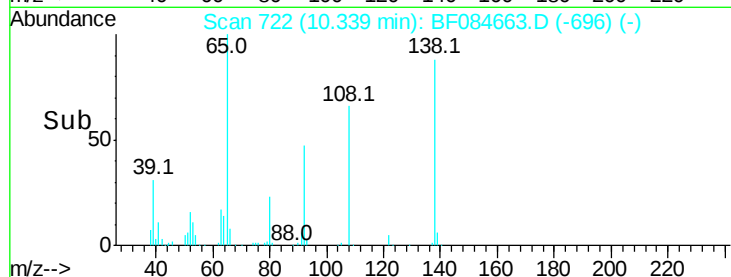
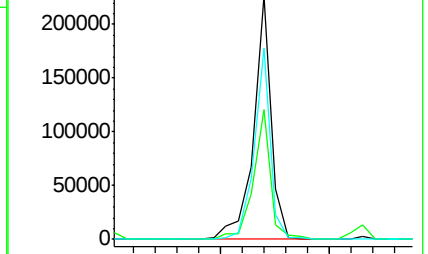
mohammad
2/1/2016 2:24:37 PM



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 48.96 ng

RT: 10.46 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Tgt Ion: 77 Resp: 1181121

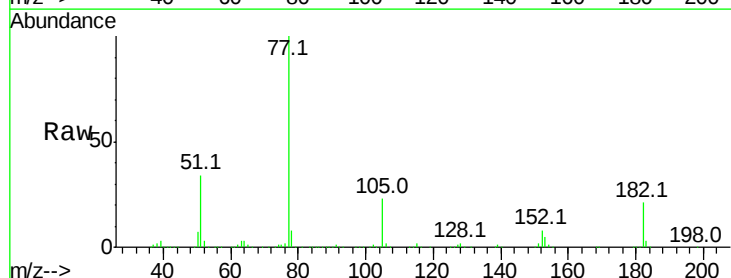
Ion Ratio Lower Upper

77 100

182 20.9 8.3 48.3

105 23.3 4.6 44.6

51 33.7 6.2 46.2

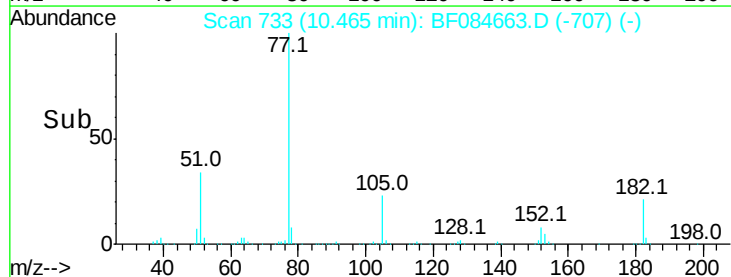
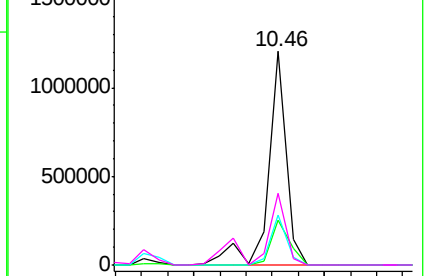


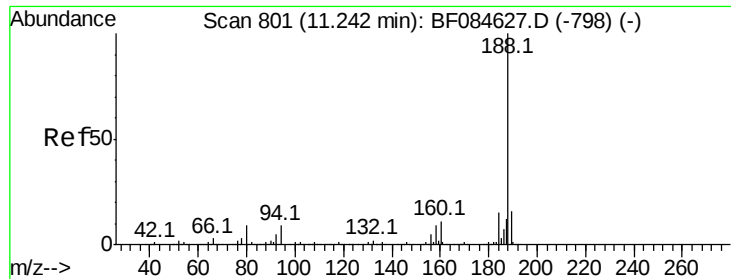
Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 20.00 ng

RT: 11.24 min Scan# 801

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

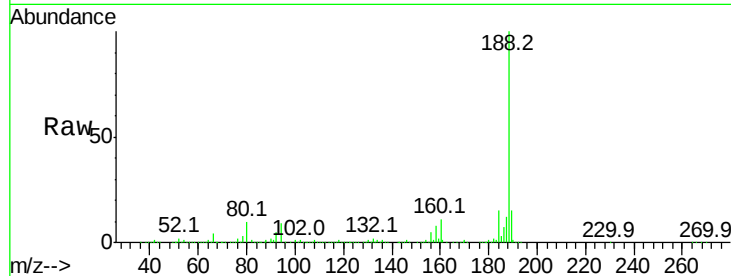
ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

Tot Ion:	188	Resp:	628227
Ion Ratio	Lower	Upper	
188	100		
94	9.0	9.0	13.4
80	9.8	9.6	14.4

Manual Integrations
APPROVED

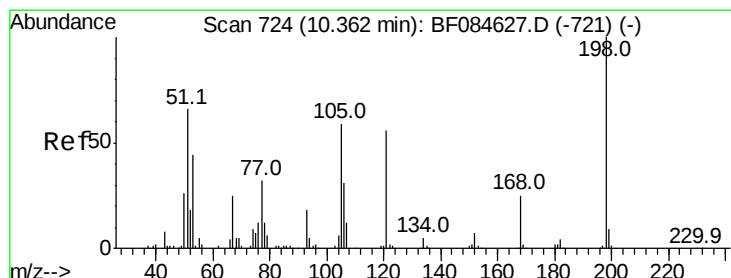
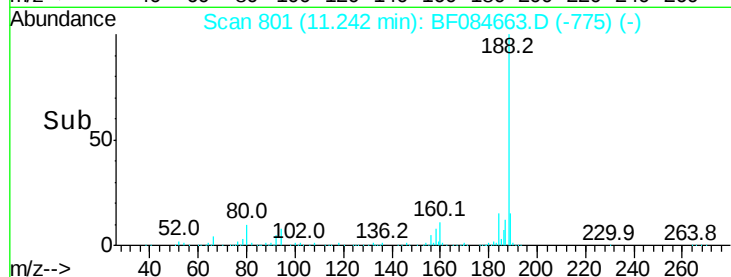
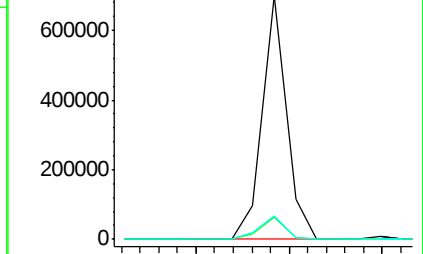
mohammad
2/1/2016 2:24:37 PM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 41.41 ng

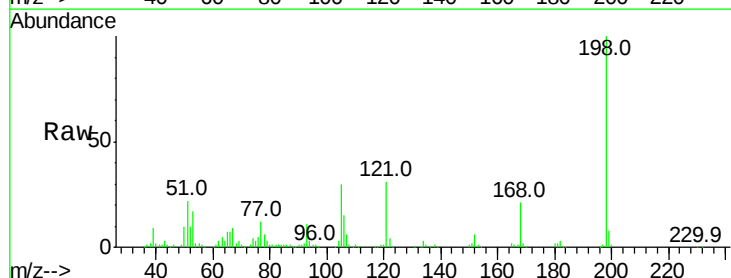
RT: 10.37 min Scan# 725

Delta R.T. 0.01 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

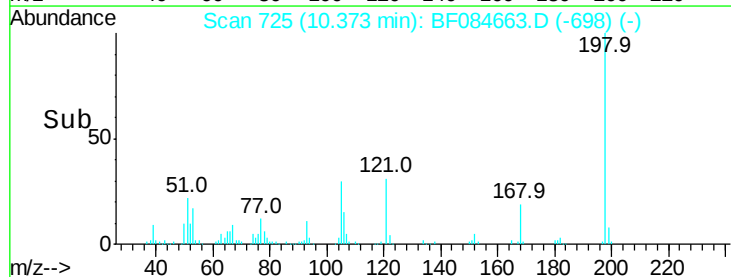
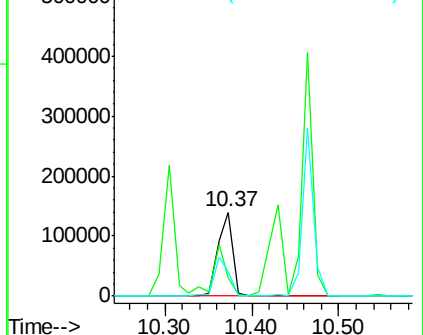
Tgt Ion:	198	Resp:	169910
Ion Ratio	Lower	Upper	
198	100		
51	22.1	18.9	58.9
105	29.9	26.4	66.4

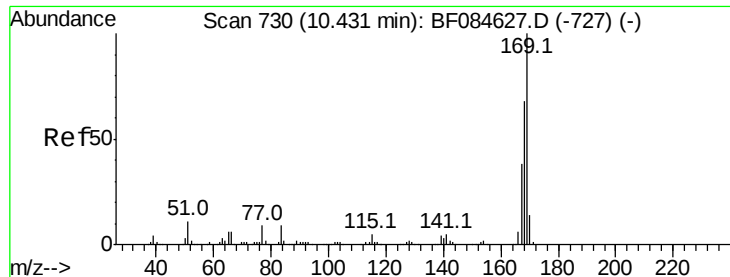


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 48.02 ng

RT: 10.43 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

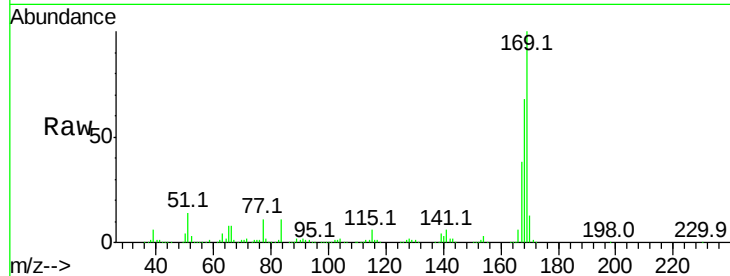
ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

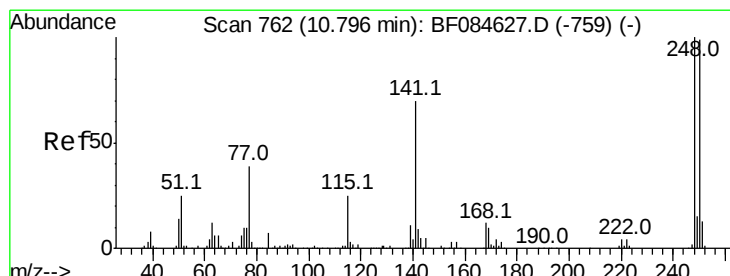
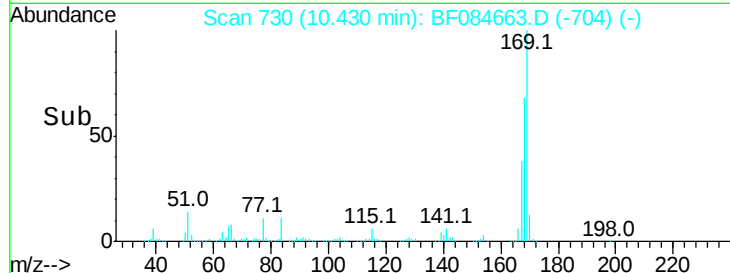
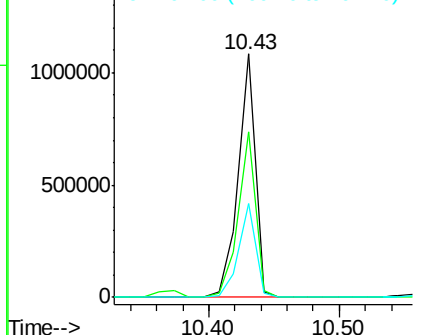
Tot Ion:	169	Resp:	978120
Ion Ratio	Lower	Upper	
169	100		
168	68.0	55.1	82.7
167	38.3	30.0	45.0

Manual Integrations
APPROVED

mohammad
2/1/2016 2:24:37 PM



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



#66

4-Bromophenyl-phenylether

Concen: 47.57 ng

RT: 10.80 min Scan# 762

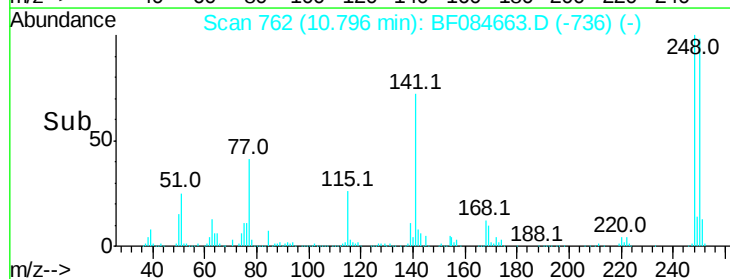
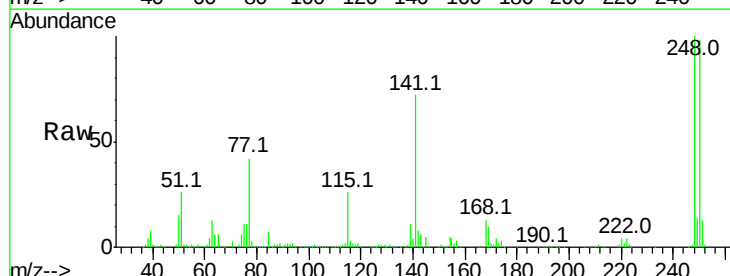
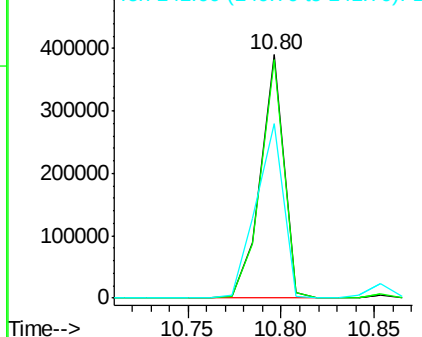
Delta R.T. -0.00 min

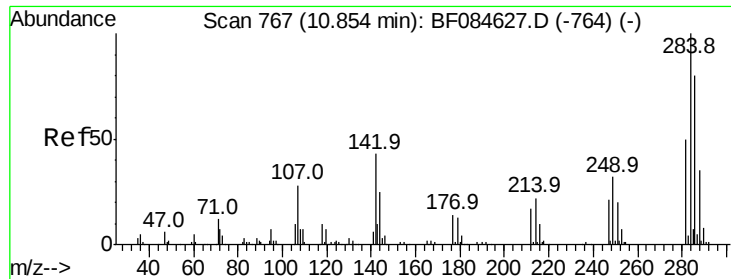
Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Tgt Ion:	248	Resp:	336568
Ion Ratio	Lower	Upper	
248	100		
250	98.1	78.4	117.6
141	71.6	44.0	66.0#

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





#67

Hexachlorobenzene

Concen: 42.48 ng

RT: 10.85 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

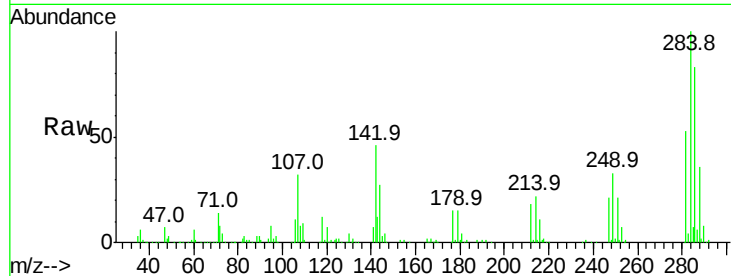
ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

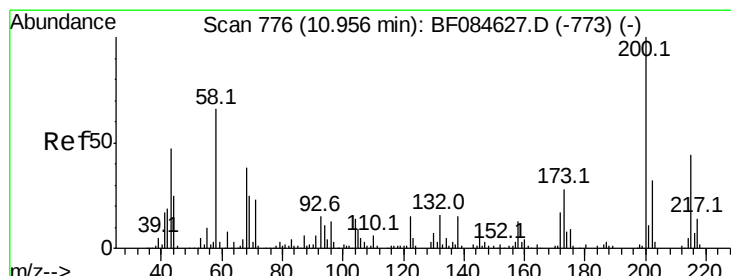
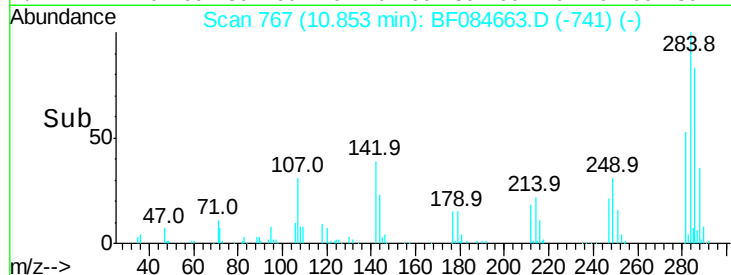
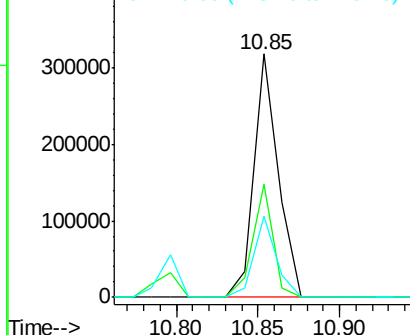
Tot Ion:	284	Resp:	326929
Ion Ratio		Lower	Upper
284	100		
142	46.3	22.2	33.4#
249	33.4	24.6	37.0

Manual Integrations
APPROVED

mohammad
2/1/2016 2:24:37 PM



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



#68

Atrazine

Concen: 47.36 ng

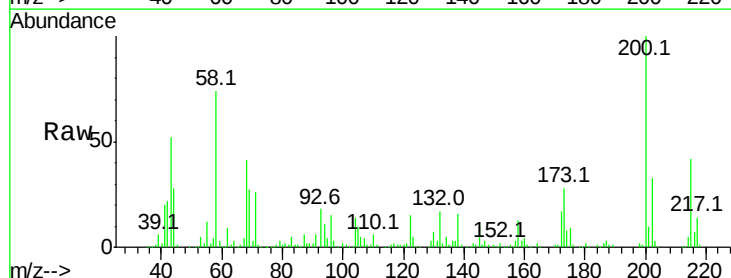
RT: 10.96 min Scan# 776

Delta R.T. -0.00 min

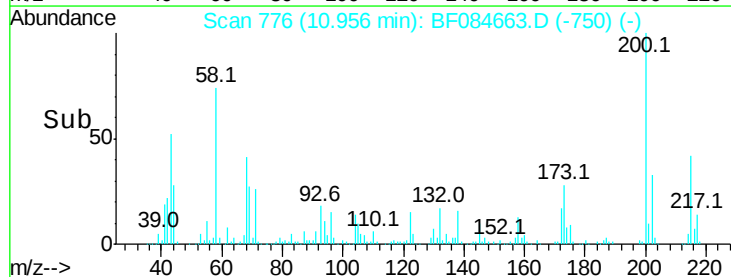
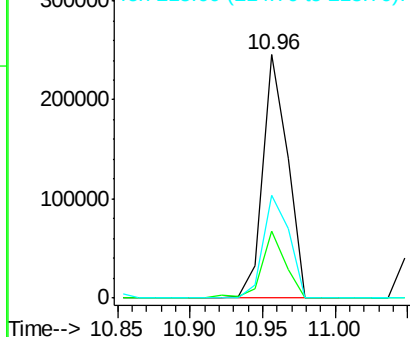
Lab File: BF084663.D

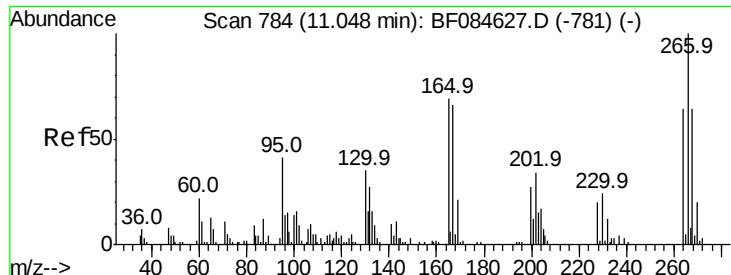
Acq: 30 Jan 2016 4:14

Tgt Ion:	200	Resp:	289030
Ion Ratio		Lower	Upper
200	100		
173	27.7	9.5	49.5
215	42.4	23.8	63.8



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





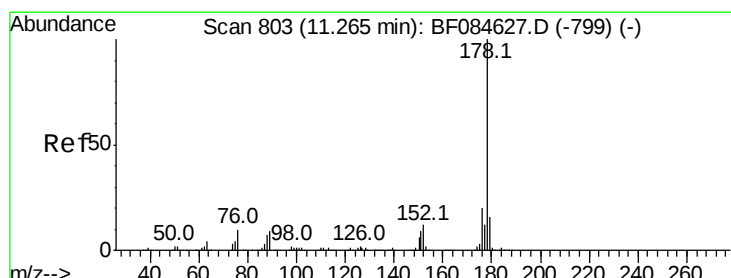
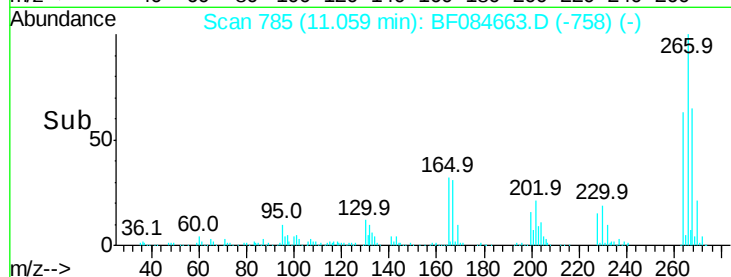
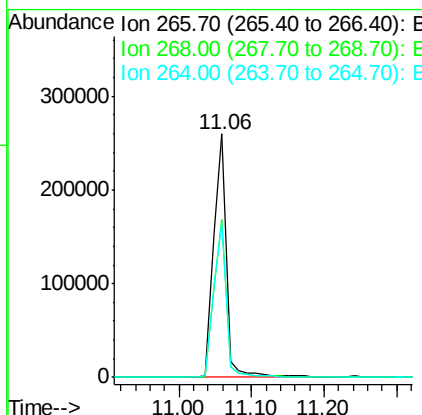
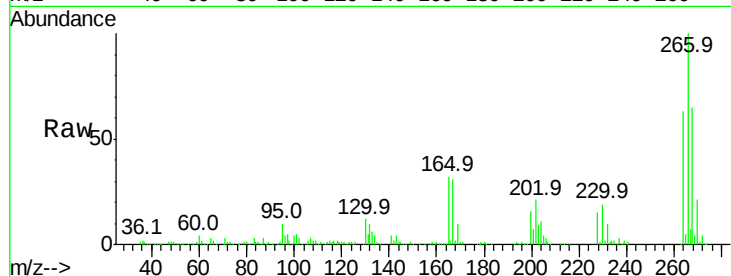
#69
 Pentachlorophenol
 Concen: 85.53 ng
 RT: 11.06 min Scan# 785
 Delta R.T. 0.01 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Instrument :
 BNA_F
 ClientSampleId :
 SCARBOROUGH1516-00(0-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	318023		
268	64.9	52.4	78.6	
264	63.2	50.2	75.2	

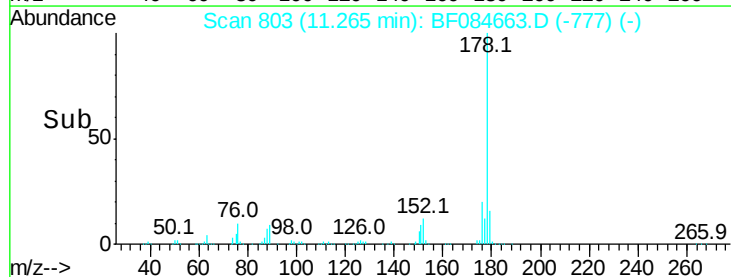
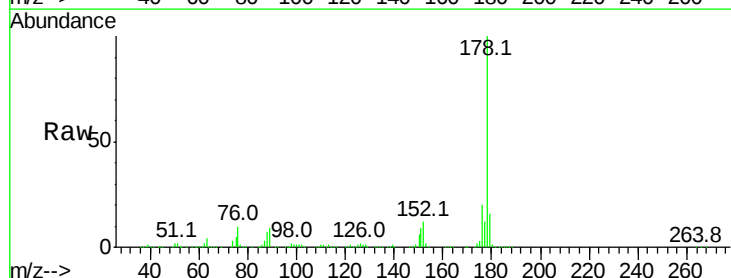
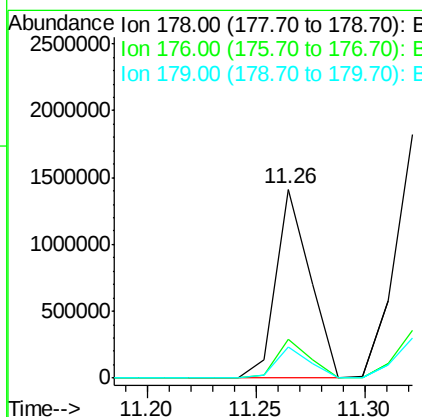
Manual Integrations
 APPROVED

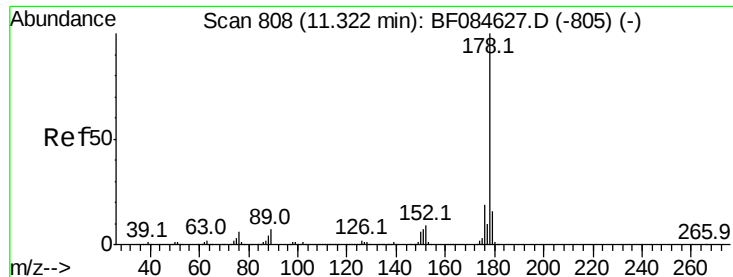
mohammad
 2/1/2016 2:24:37 PM



#70
 Phenanthrene
 Concen: 44.57 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1548279		
176	20.4	15.3	22.9	
179	16.3	12.0	18.0	





#71
 Anthracene
 Concen: 47.76 ng
 RT: 11.32 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

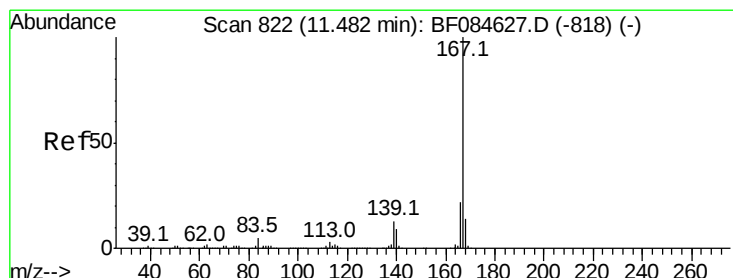
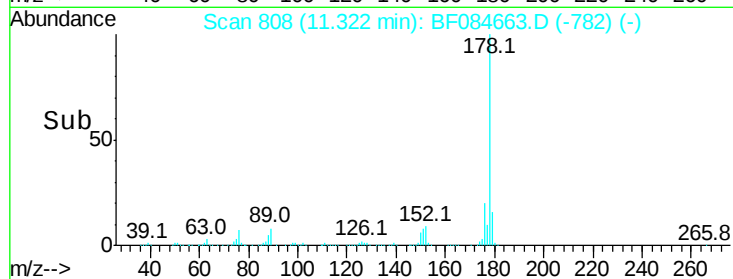
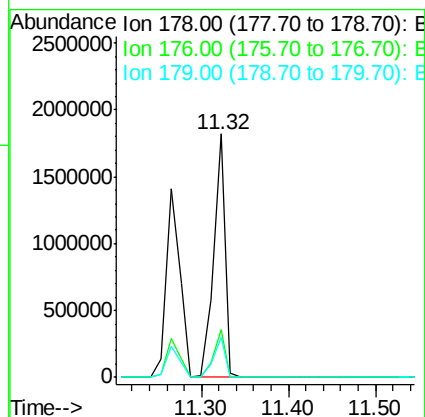
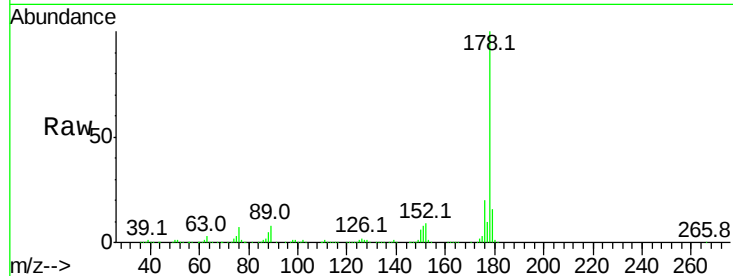
Instrument :
 BNA_F
 ClientSampleId :
 SCARBOROUGH1516-00(0-4)MSD

Tot Ion:178 Resp: 1686902

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.0
179	16.2	12.5	18.7

Manual Integrations
 APPROVED

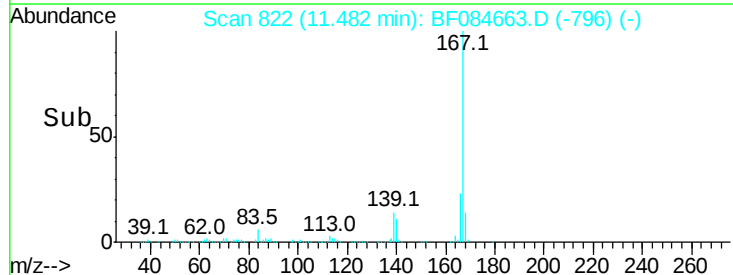
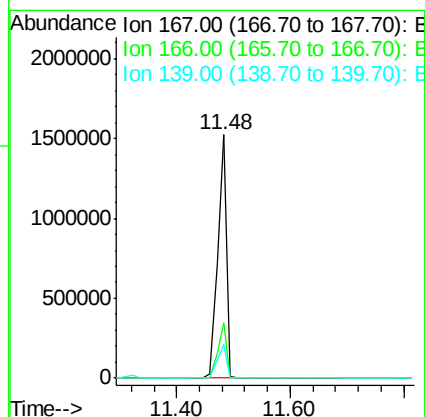
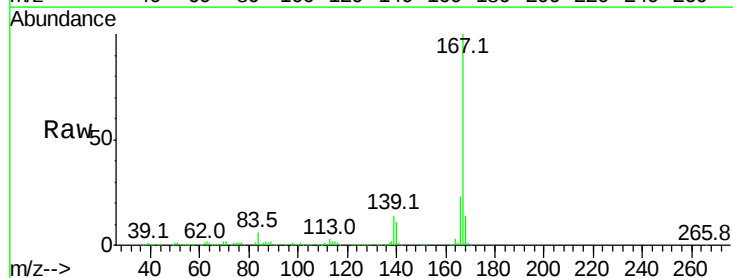
mohammad
 2/1/2016 2:24:37 PM

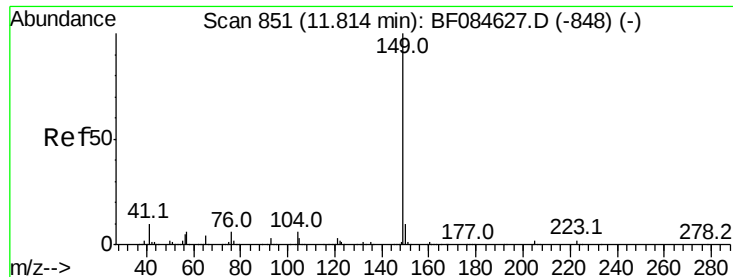


#72
 Carbazole
 Concen: 51.75 ng
 RT: 11.48 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Tgt Ion:167 Resp: 1575315

Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.6	26.4
139	14.0	11.8	17.8





#73

Di-n-butylphthalate

Concen: 44.69 ng

RT: 11.81 min Scan# 851

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

Tot Ion:149 Resp: 1654570

Ion Ratio Lower Upper

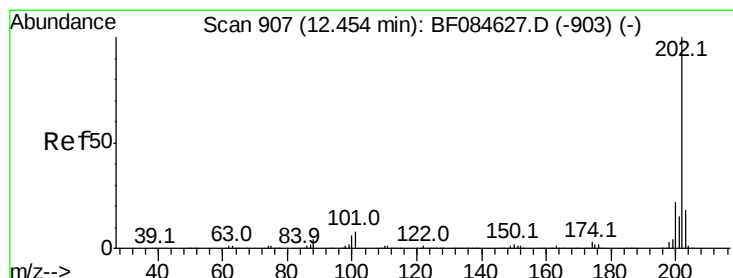
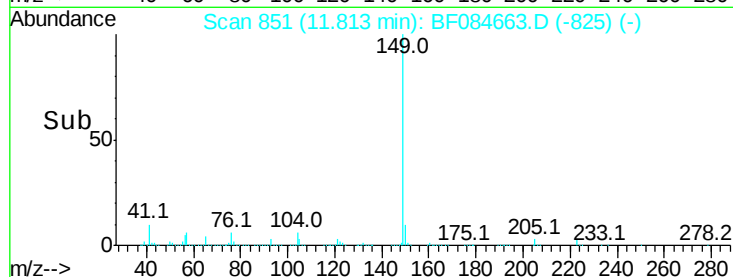
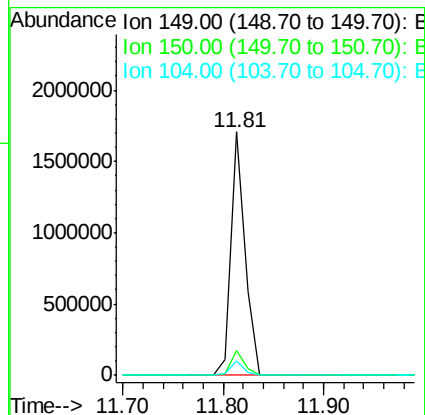
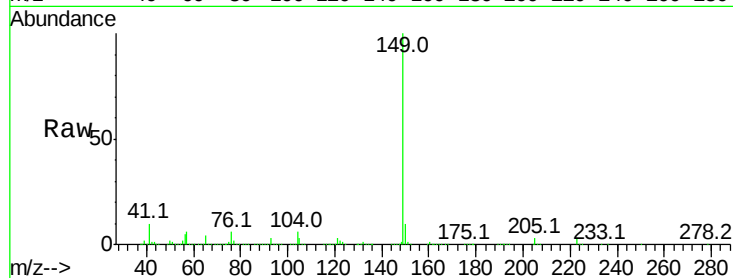
149 100

150 10.0 7.1 10.7

104 5.8 3.2 4.8#

Manual Integrations
APPROVED

mohammad
2/1/2016 2:24:37 PM



#74

Fluoranthene

Concen: 49.32 ng

RT: 12.45 min Scan# 907

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

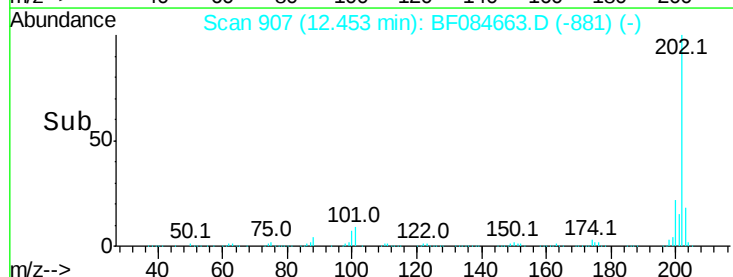
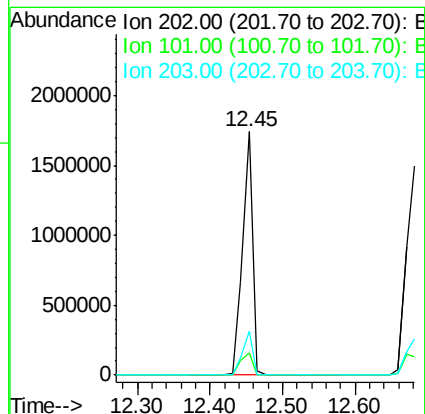
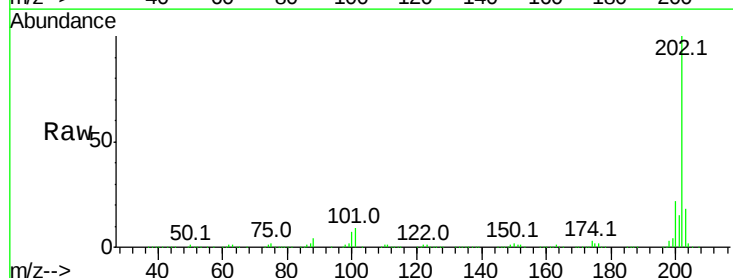
Tgt Ion:202 Resp: 1693816

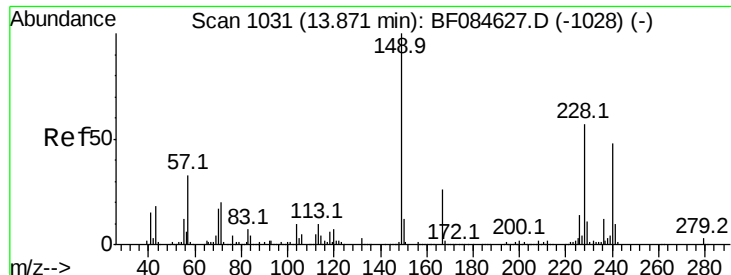
Ion Ratio Lower Upper

202 100

101 9.1 0.0 32.8

203 17.9 0.0 37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

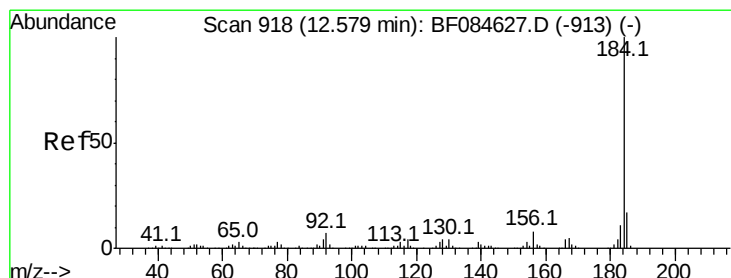
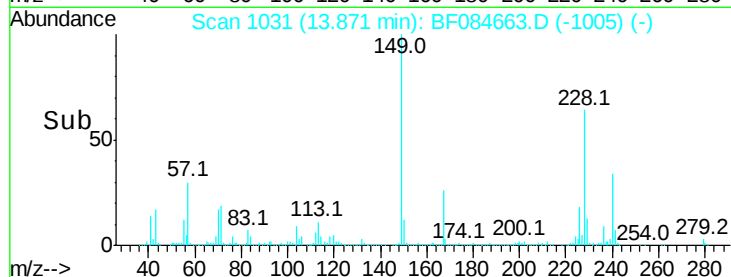
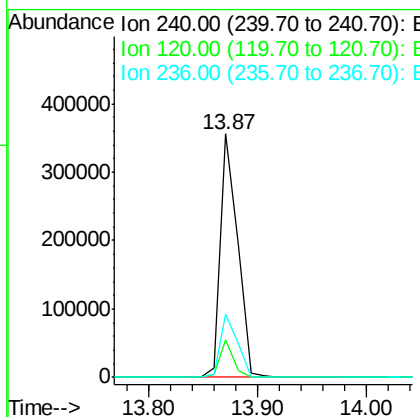
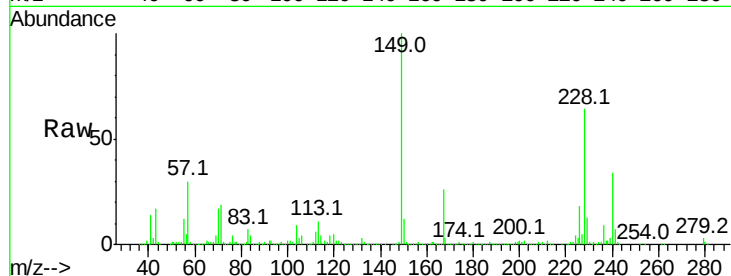
ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	15.2	9.5	14.3	
236	26.2	20.6	31.0	

Manual Integrations
APPROVED

mohammad
2/1/2016 2:24:37 PM



#76

Benzidine

Concen: 37.57 ng

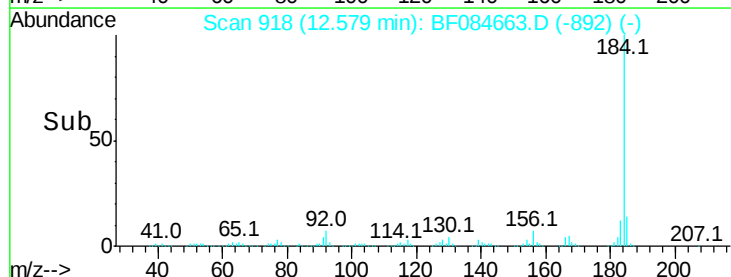
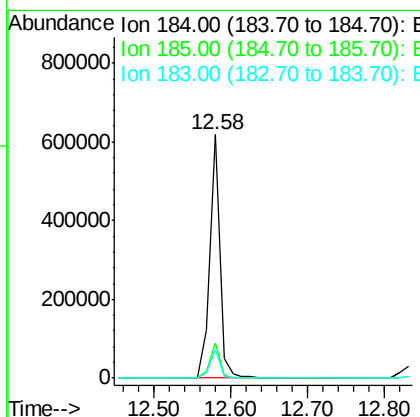
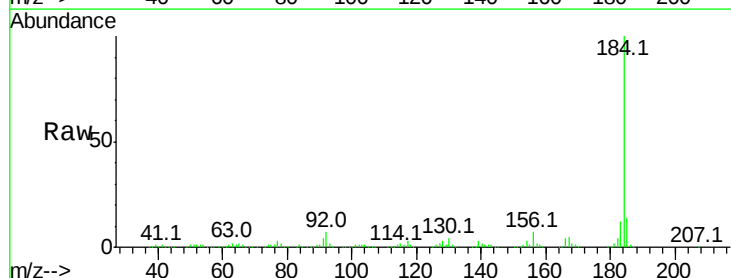
RT: 12.58 min Scan# 918

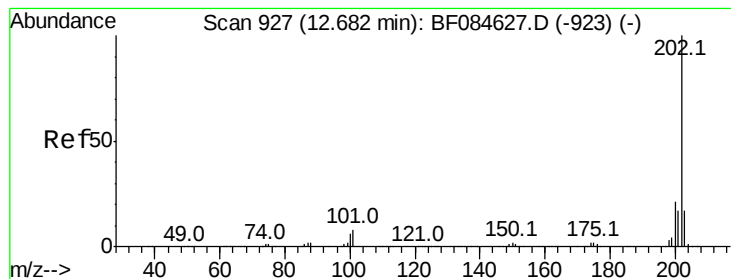
Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Tgt Ion	Ratio	Resp	Lower	Upper
184	100			
185	14.3	12.2	18.2	
183	11.5	9.8	14.8	





#77

Pvrene

Concen: 57.08 ng

RT: 12.68 min Scan# 927

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

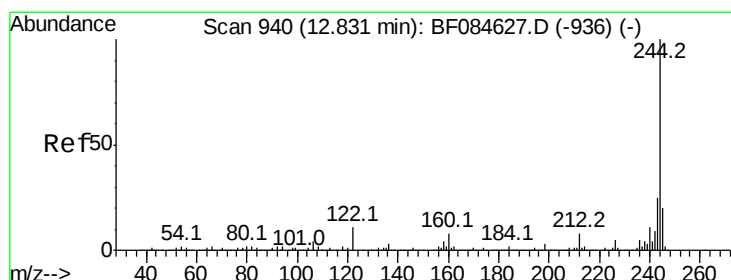
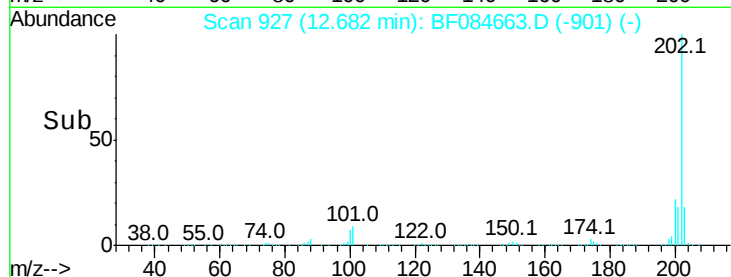
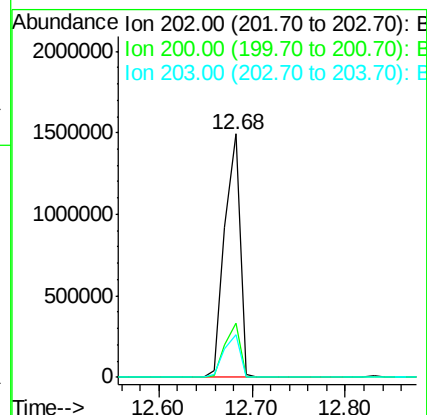
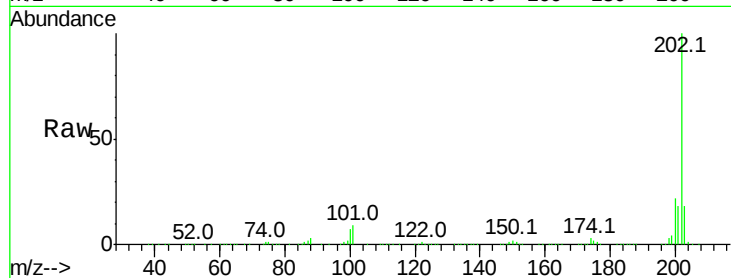
ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.2	25.8
203	17.7	14.3	21.5

Manual Integrations
APPROVED

mohammad
2/1/2016 2:24:37 PM



#78

Terphenyl-d14

Concen: 109.19 ng

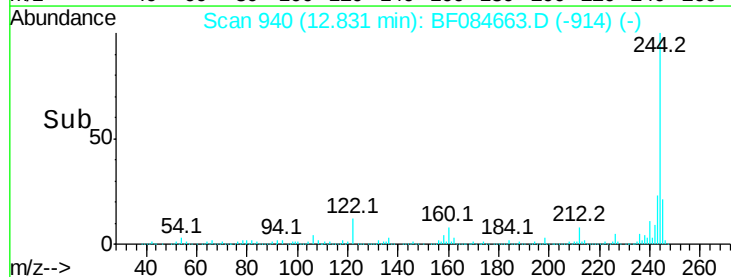
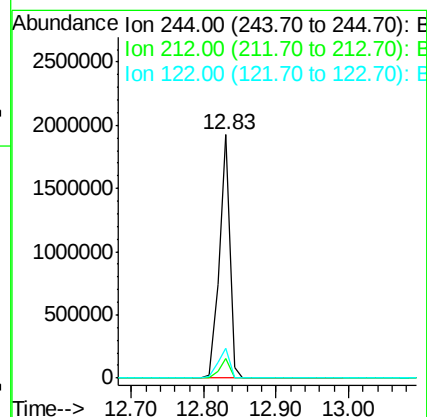
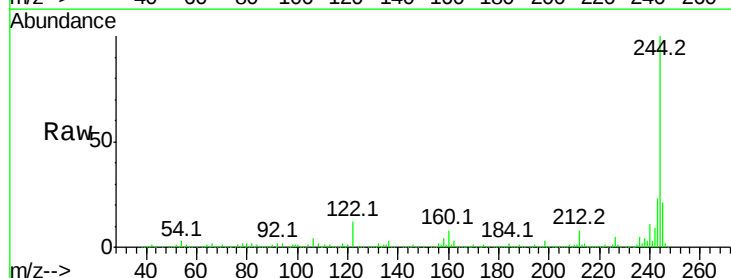
RT: 12.83 min Scan# 940

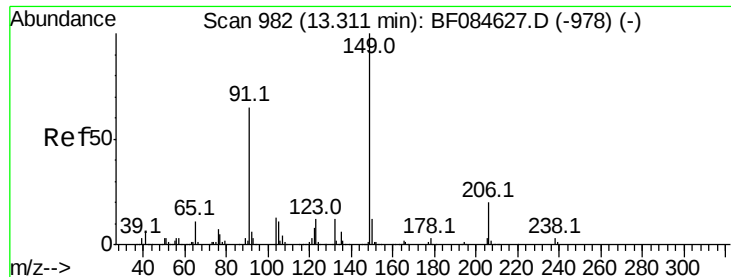
Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.7	8.5
122	12.2	7.4	11.0





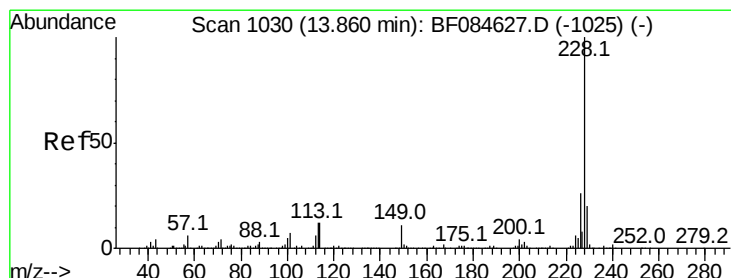
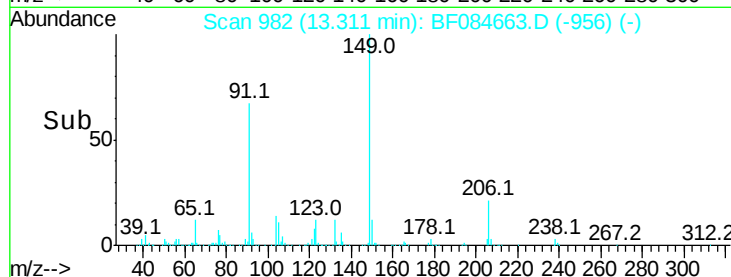
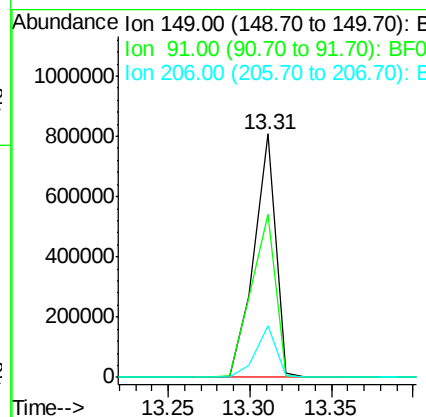
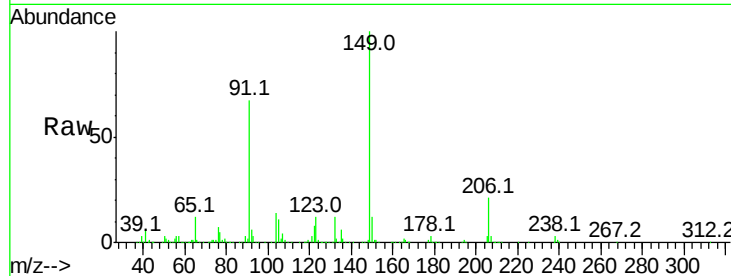
#79
Butylbenzylphthalate
Concen: 59.03 ng
RT: 13.31 min Scan# 982
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

Instrument :
BNA_F
ClientSampleId :
SCARBOROUGH1516-00(0-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	752382		
91	66.7	57.6	86.4	
206	21.0	13.2	19.8	

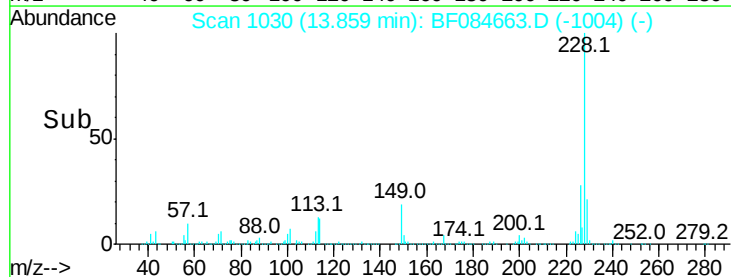
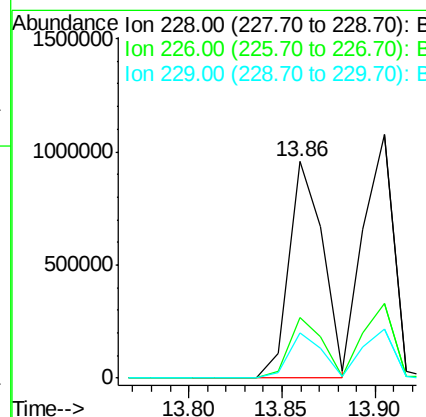
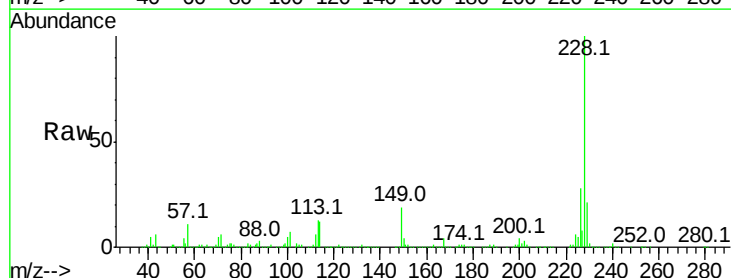
Manual Integrations
APPROVED

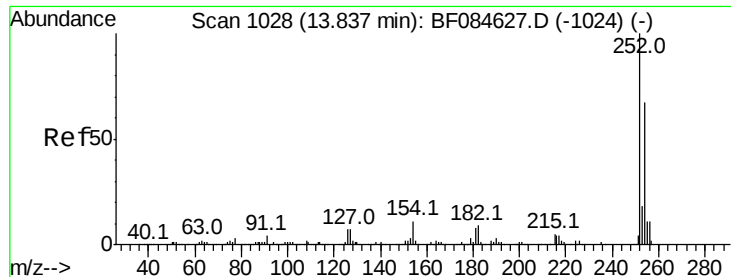
mohammad
2/1/2016 2:24:37 PM



#80
Benzo(a)anthracene
Concen: 49.27 ng
RT: 13.86 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1214810		
226	28.2	21.8	32.6	
229	20.7	15.8	23.8	





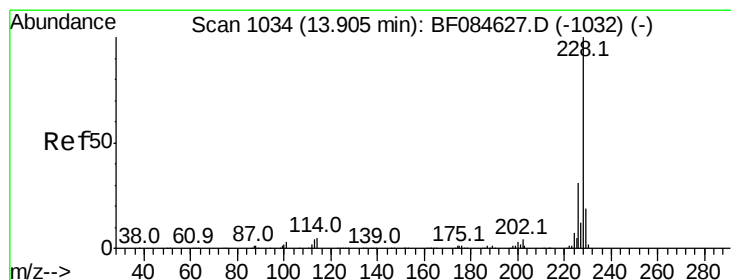
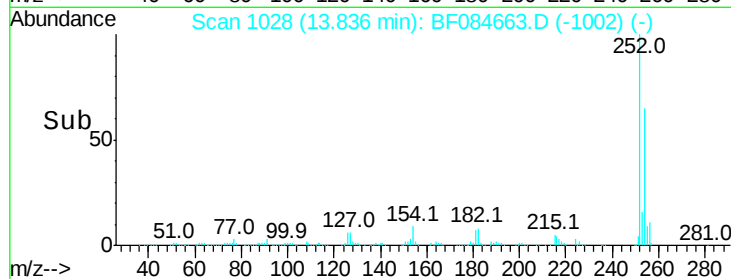
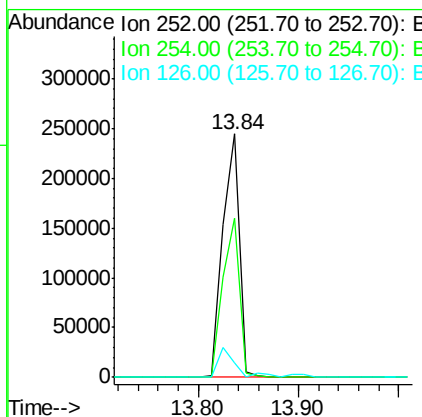
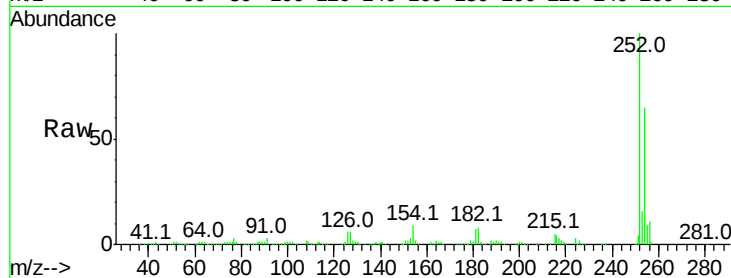
#81
 3,3'-Dichlorobenzidine
 Concen: 32.48 ng
 RT: 13.84 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Instrument :
 BNA_F
 ClientSampleId :
 SCARBOROUGH1516-00(0-4)MSD

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	65.4	53.5	80.3
126	6.1	4.9	7.3

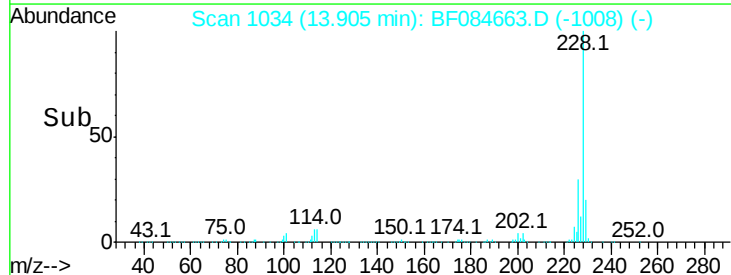
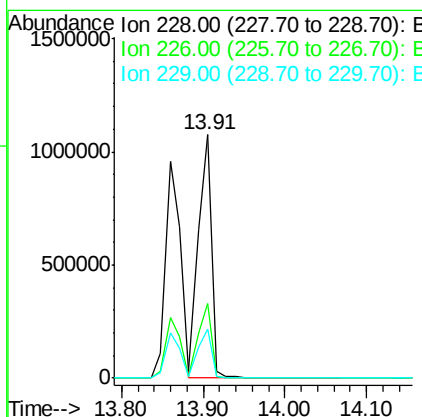
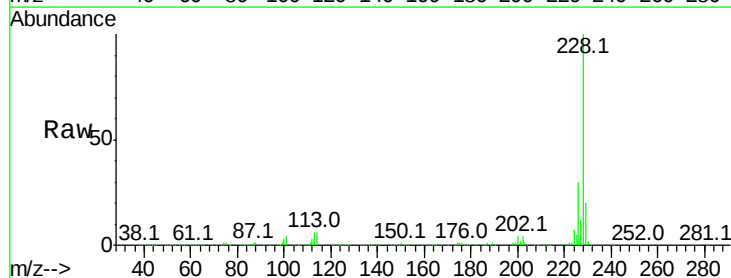
Manual Integrations
 APPROVED

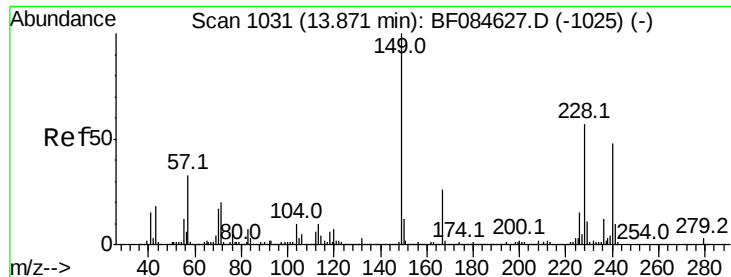
mohammad
 2/1/2016 2:24:37 PM



#82
 Chrysene
 Concen: 50.43 ng
 RT: 13.91 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.5	24.3	36.5
229	19.9	16.1	24.1





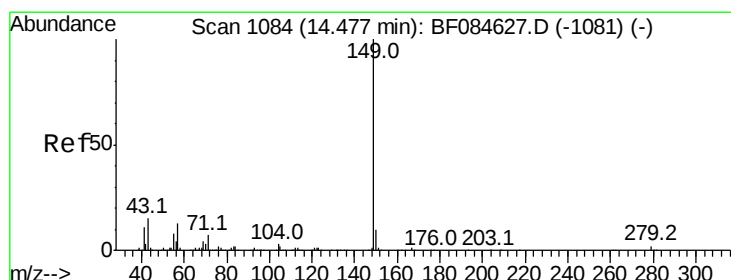
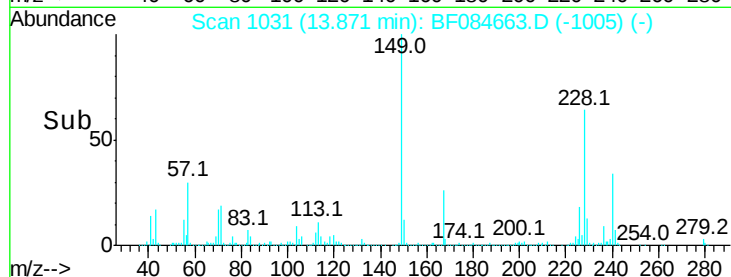
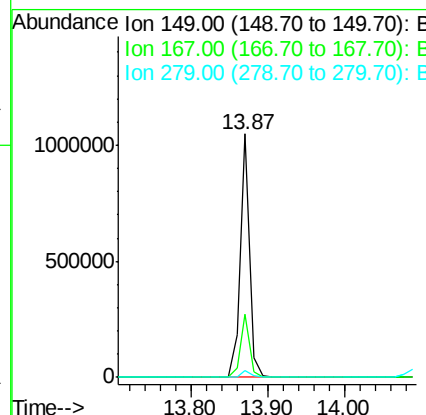
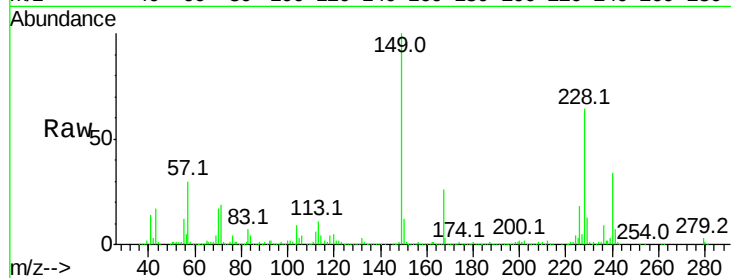
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 55.35 ng
 RT: 13.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Instrument :
 BNA_F
 ClientSampleId :
 SCARBOROUGH1516-00(0-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	26.0	19.7	29.5	
279	2.6	1.8	2.6	

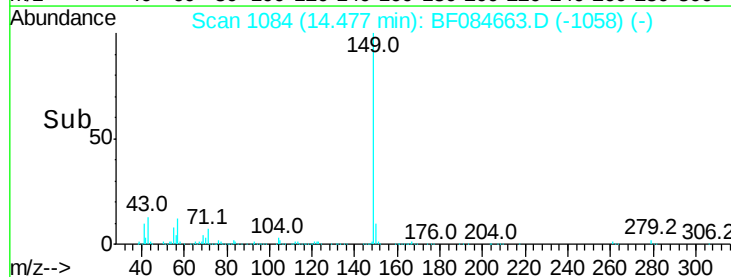
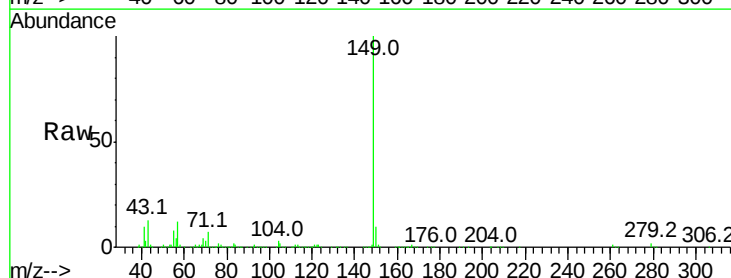
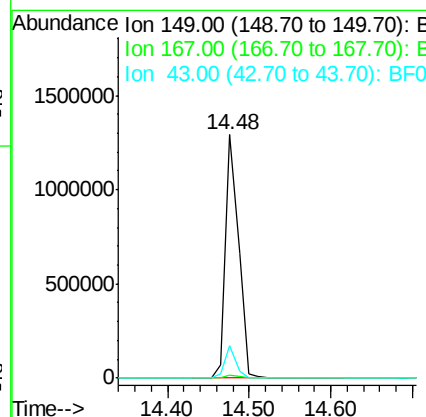
Manual Integrations
 APPROVED

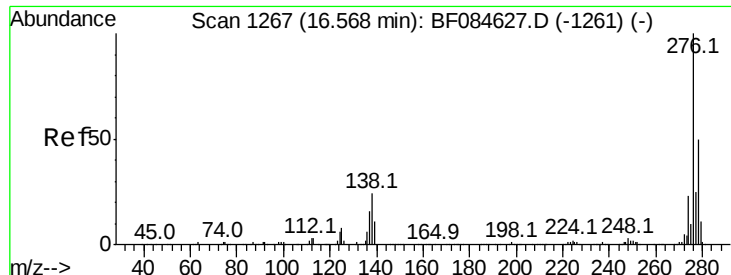
mohammad
 2/1/2016 2:24:37 PM



#84
 Di-n-octyl phthalate
 Concen: 54.16 ng
 RT: 14.48 min Scan# 1084
 Delta R.T. -0.00 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
167	1.5	1.2	1.8	
43	11.2	5.6	8.4#	





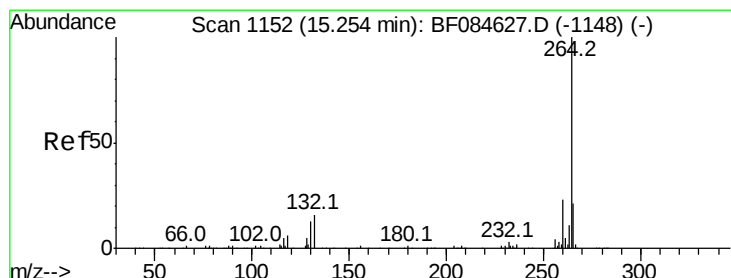
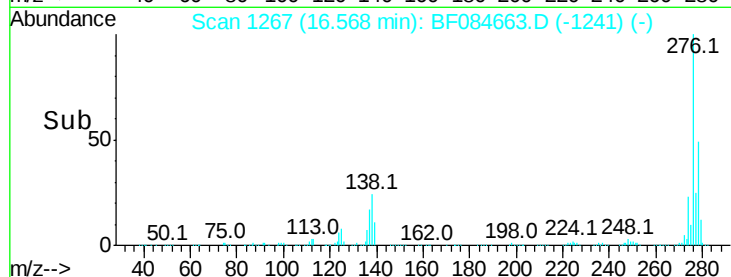
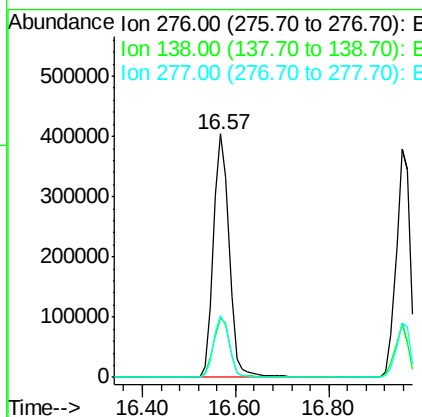
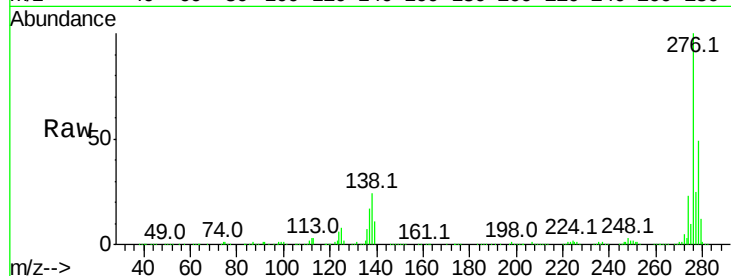
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 44.50 ng
 RT: 16.57 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Instrument :
 BNA_F
 ClientSampleId :
 SCARBOROUGH1516-00(0-4)MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.2	20.6	30.8
277	25.1	20.1	30.1

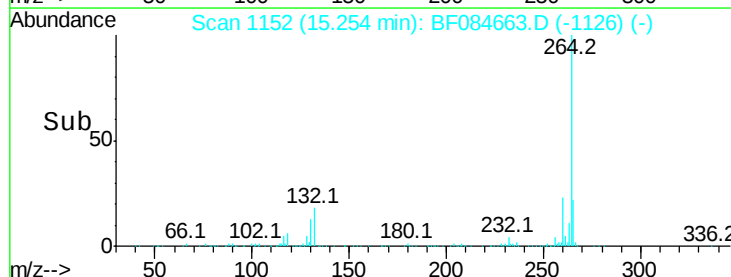
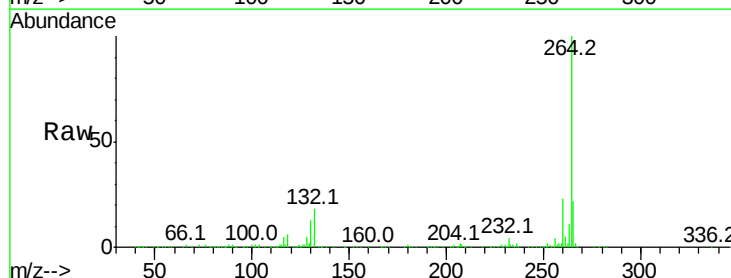
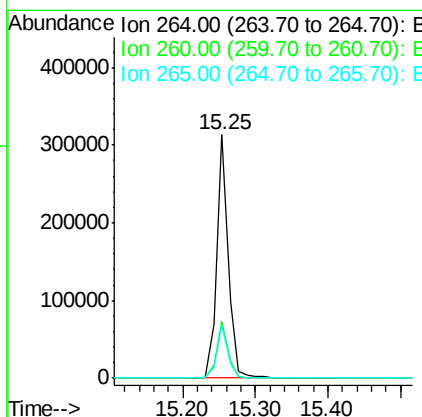
Manual Integrations
 APPROVED

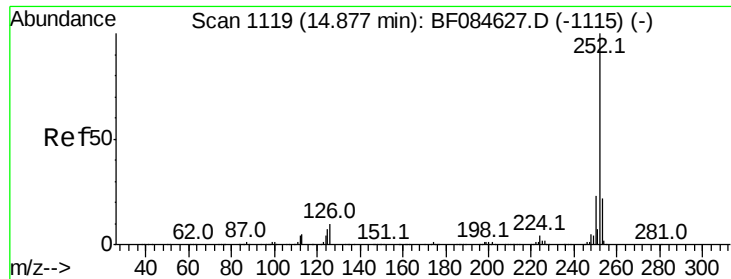
mohammad
 2/1/2016 2:24:37 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.25 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.4	29.2
265	21.7	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 51.73 ng m

RT: 14.88 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Instrument :

BNA_F

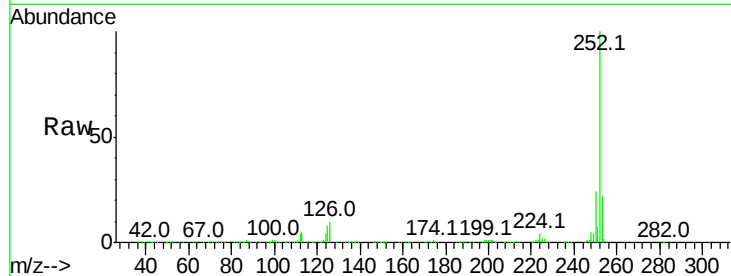
ClientSampleId :

SCARBOROUGH1516-00(0-4)MSD

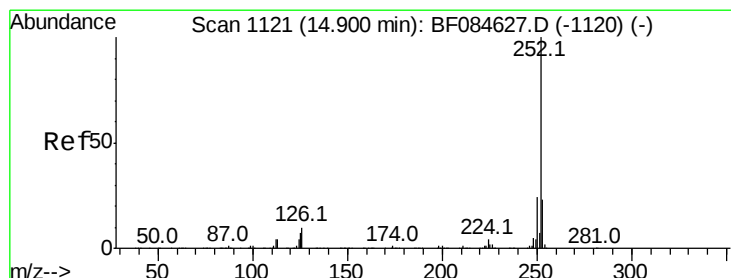
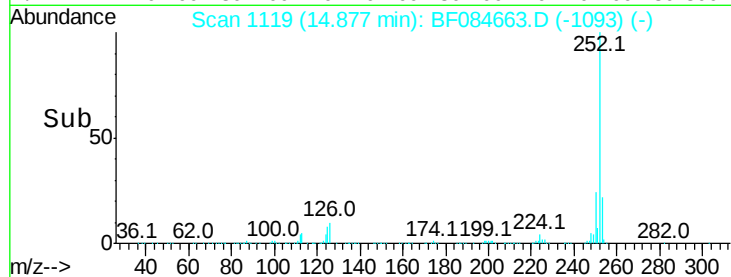
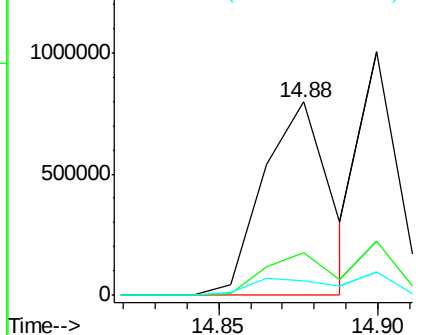
Tot Ion:	252	Resp:	1152543
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.3	25.9
125	7.8	6.5	9.7

Manual Integrations
APPROVED

mohammad
2/1/2016 2:24:37 PM



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: 45.83 ng m

RT: 14.90 min Scan# 1121

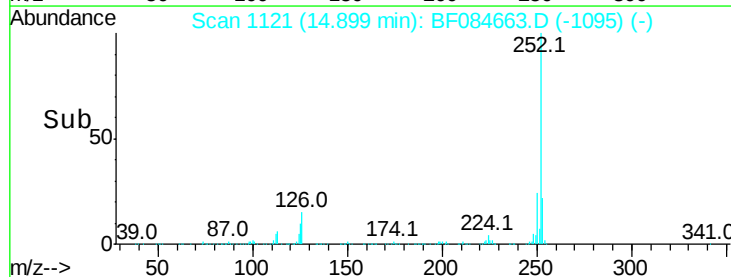
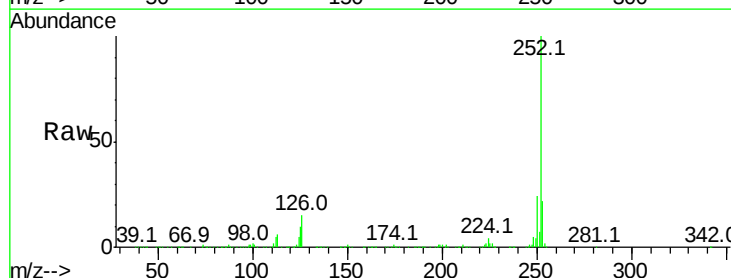
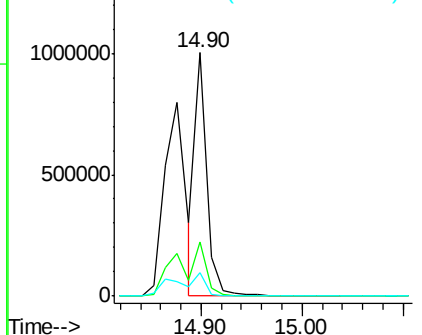
Delta R.T. -0.00 min

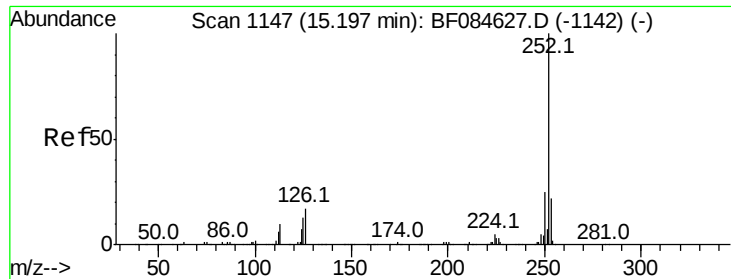
Lab File: BF084663.D

Acq: 30 Jan 2016 4:14

Tgt Ion:	252	Resp:	843442
Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	9.9	9.0	13.6

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





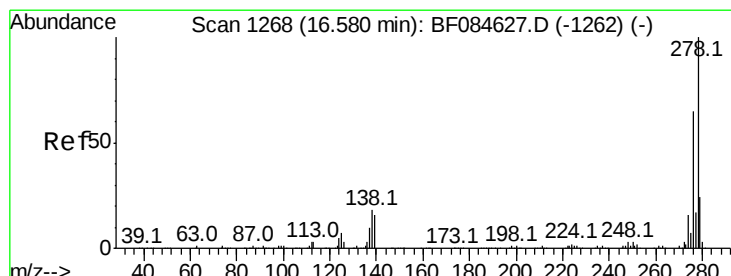
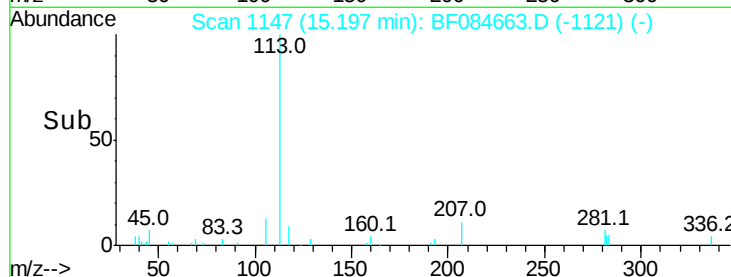
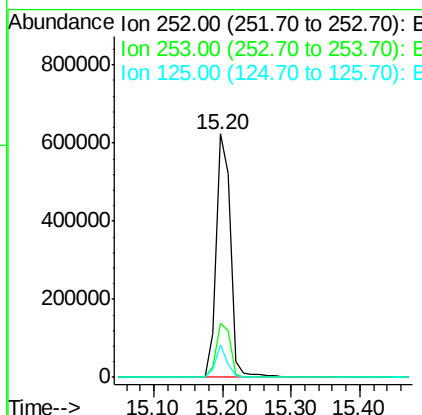
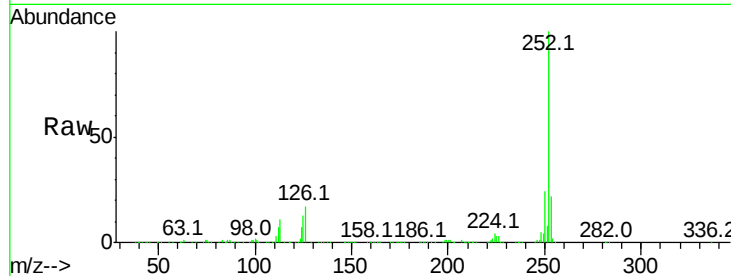
#89
Benzo(a)pyrene
Concen: 47.43 ng
RT: 15.20 min Scan# 1147
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

Instrument :
BNA_F
ClientSampleId :
SCARBOROUGH1516-00(0-4)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.3	25.9
125	13.4	7.0	10.4

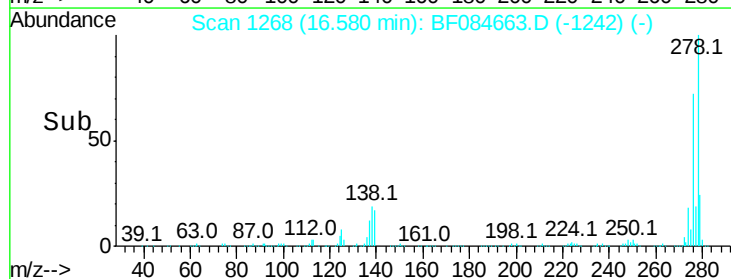
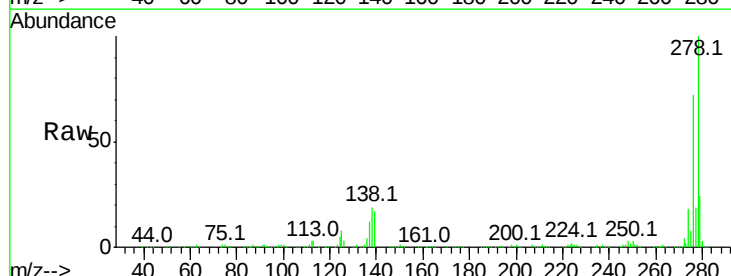
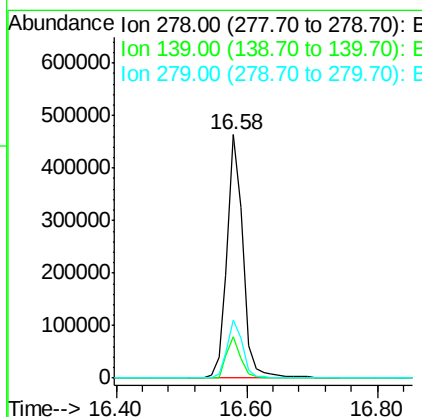
Manual Integrations
APPROVED

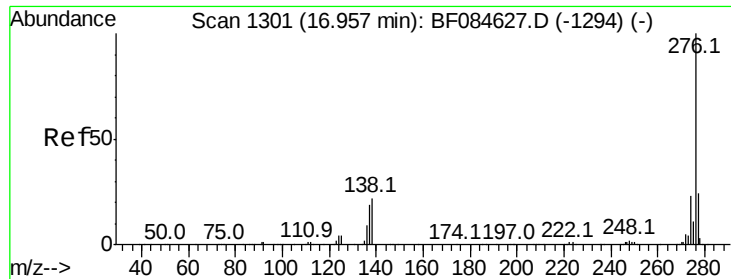
mohammad
2/1/2016 2:24:37 PM



#90
Dibenzo(a,h)anthracene
Concen: 45.55 ng
RT: 16.58 min Scan# 1268
Delta R.T. -0.00 min
Lab File: BF084663.D
Acq: 30 Jan 2016 4:14

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.1	15.0	22.4
279	24.1	18.9	28.3





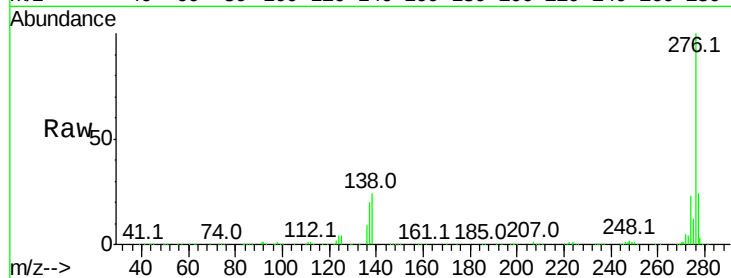
#91
 Benzo(a,h,i)perylene
 Concen: 46.46 ng
 RT: 16.96 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: BF084663.D
 Acq: 30 Jan 2016 4:14

Instrument :
 BNA_F
 ClientSampleId :
 SCARBOROUGH1516-00(0-4)MSD

Tot Ion:	276	Resp:	814734
Ion Ratio	Lower	Upper	
276	100		
277	23.6	18.8	28.2
138	23.9	17.8	26.6

Manual Integrations
 APPROVED

mohammad
 2/1/2016 2:24:37 PM



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

