

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101916\
 Data File : BF090661.D
 Acq On : 19 Oct 2016 21:28
 Operator : UM/SJ
 Sample : H5317-03MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 101816-03MSD

Manual Integrations
 APPROVED

sohil
 10/20/2016 6:40:27 PM

Quant Time: Oct 20 12:00:58 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 19 15:13:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	235971	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	1068759	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	549288	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	778583	20.00	ng	0.00
75) Chrysene-d12	14.06	240	532635	20.00	ng	0.00
86) Perylene-d12	15.50	264	477081	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1513641	117.59	ng	0.01
7) Phenol-d6	6.53	99	1903480	99.52	ng	0.00
23) Nitrobenzene-d5	7.46	82	1282568	66.66	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	413150	84.37	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	1803206	54.09	ng	-0.01
78) Terphenyl-d14	13.00	244	1378220	60.25	ng	-0.01

Target Compounds						Qvalue
2) 1,4-Dioxane	2.55	88	203597	27.75	ng	98
3) Pyridine	3.29	79	576380m	35.05	ng	
4) n-Nitrosodimethylamine	3.24	42	227630	40.07	ng	94
6) Aniline	6.55	93	625895	27.08	ng	96
8) 2-Chlorophenol	6.68	128	553469	33.16	ng	# 81
9) Benzaldehyde	6.43	77	121927	10.03	ng	87
10) Phenol	6.54	94	811802	37.11	ng	92
11) bis(2-Chloroethyl)ether	6.62	93	599096	33.19	ng	96
12) 1,3-Dichlorobenzene	6.83	146	547644	32.90	ng	100
13) 1,4-Dichlorobenzene	6.91	146	547704	30.25	ng	99
14) 1,2-Dichlorobenzene	7.06	146	552464	32.64	ng	98
15) Benzyl Alcohol	7.03	79	514121	39.46	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.17	45	916645	36.09	ng	90
17) 2-Methylphenol	7.15	107	455214	35.00	ng	98
18) Hexachloroethane	7.40	117	212667	29.73	ng	96
19) n-Nitroso-di-n-propylamine	7.31	70	485671	37.03	ng	# 90
20) 3+4-Methylphenols	7.31	107	566623	35.93	ng	# 71
22) Acetophenone	7.30	105	761955	32.27	ng	# 95
24) Nitrobenzene	7.47	77	600347	30.40	ng	99
25) Isophorone	7.71	82	1171489	33.46	ng	100
26) 2-Nitrophenol	7.79	139	234286	26.15	ng	94
27) 2,4-Dimethylphenol	7.83	122	515741	34.70	ng	99
28) bis(2-Chloroethoxy)methane	7.93	93	715602	34.61	ng	99
29) 2,4-Dichlorophenol	8.04	162	387033	29.73	ng	97
30) 1,2,4-Trichlorobenzene	8.12	180	435233	28.54	ng	99
31) Naphthalene	8.20	128	1636406	30.06	ng	100
32) Benzoic acid	7.91	122	65419	7.17	ng	97
33) 4-Chloroaniline	8.25	127	392444	18.86	ng	99
34) Hexachlorobutadiene	8.31	225	232364	27.27	ng	99
35) Caprolactam	8.61	113	127985	35.22	ng	# 84
36) 4-Chloro-3-methylphenol	8.74	107	488980	32.55	ng	88
37) 2-Methylnaphthalene	8.89	142	930636	29.11	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.06	216	440814	30.27	ng	100
40) Hexachlorocyclopentadiene	9.05	237	284721	40.02	ng	99

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101916\
 Data File : BF090661.D
 Acq On : 19 Oct 2016 21:28
 Operator : UM/SJ
 Sample : H5317-03MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 101816-03MSD

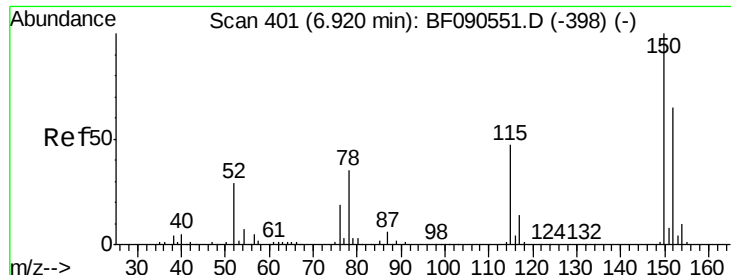
Manual Integrations
 APPROVED

sohil
 10/20/2016 6:40:27 PM

Quant Time: Oct 20 12:00:58 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 19 15:13:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.17	196	275600	33.55	nq	97
43) 2,4,5-Trichlorophenol	9.22	196	274295	27.99	nq	# 87
45) 1,1'-Biphenyl	9.35	154	1224139	29.29	nq	99
46) 2-Chloronaphthalene	9.38	162	899655	28.87	nq	99
47) 2-Nitroaniline	9.48	65	351746	31.13	nq	93
48) Acenaphthylene	9.80	152	1402437	28.26	nq	98
49) Dimethylphthalate	9.66	163	1705447	47.85	nq	# 98
50) 2,6-Dinitrotoluene	9.72	165	243615	31.24	nq	90
51) Acenaphthene	9.97	154	873503	26.48	nq	100
52) 3-Nitroaniline	9.89	138	235456	24.06	nq	94
53) 2,4-Dinitrophenol	9.99	184	17394	9.49	nq	# 57
54) Dibenzofuran	10.14	168	1241288	28.61	nq	100
55) 4-Nitrophenol	10.05	139	261987	44.49	nq	# 83
56) 2,4-Dinitrotoluene	10.12	165	292440	27.61	nq	# 84
57) Fluorene	10.49	166	998660	27.90	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.26	232	206247	25.27	nq	94
59) Diethylphthalate	10.36	149	1123422	31.08	nq	94
60) 4-Chlorophenyl-phenylether	10.47	204	486759	28.85	nq	98
61) 4-Nitroaniline	10.51	138	237400	24.19	nq	97
62) Azobenzene	10.63	77	1349449	32.28	nq	99
64) 4,6-Dinitro-2-methylphenol	10.53	198	22516	4.78	nq	# 76
65) n-Nitrosodiphenylamine	10.59	169	804184	31.27	nq	99
66) 4-Bromophenyl-phenylether	10.97	248	248667	29.77	nq	97
67) Hexachlorobenzene	11.03	284	277617	30.61	nq	# 66
68) Atrazine	11.13	200	238698	33.56	nq	92
69) Pentachlorophenol	11.23	266	227931	50.70	nq	97
70) Phenanthrene	11.45	178	1326219	31.91	nq	99
71) Anthracene	11.49	178	1289624	28.83	nq	100
72) Carbazole	11.65	167	1165234	29.10	nq	100
73) Di-n-butylphthalate	11.98	149	1633366	34.82	nq	99
74) Fluoranthene	12.64	202	1097168	26.25	nq	98
76) Benzidine	12.76	184	467668	35.29	nq	95
77) Pyrene	12.86	202	1063583	30.15	nq	100
79) Butylbenzylphthalate	13.48	149	610816	39.08	nq	98
80) Benzo(a)anthracene	14.05	228	909423	29.99	nq	98
81) 3,3'-Dichlorobenzidine	14.02	252	282855	27.30	nq	98
82) Chrysene	14.09	228	940243	32.18	nq	99
83) Bis(2-ethylhexyl)phthalate	14.04	149	832446	39.48	nq	98
84) Di-n-octyl phthalate	14.65	149	1165261	41.22	nq	# 93
85) Indeno(1,2,3-cd)pyrene	16.94	276	842261	49.86	nq	97
87) Benzo(b)fluoranthene	15.09	252	880521	28.20	nq	# 96
88) Benzo(k)fluoranthene	15.12	252	806089m	24.00	nq	
89) Benzo(a)pyrene	15.45	252	810734	28.37	nq	99
90) Dibenzo(a,h)anthracene	16.96	278	736492	33.79	nq	99
91) Benzo(g,h,i)perylene	17.38	276	651556	31.35	nq	99

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



#1

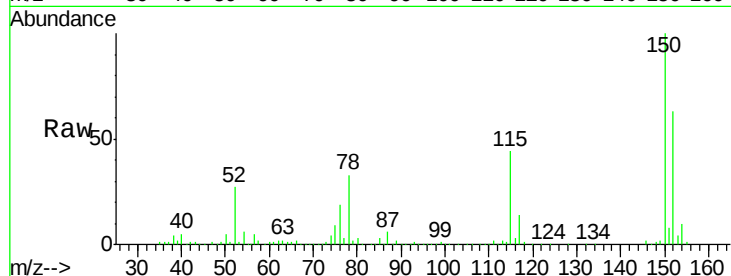
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 398
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Instrument :
BNA_F
ClientSampleId :
101816-03MSD

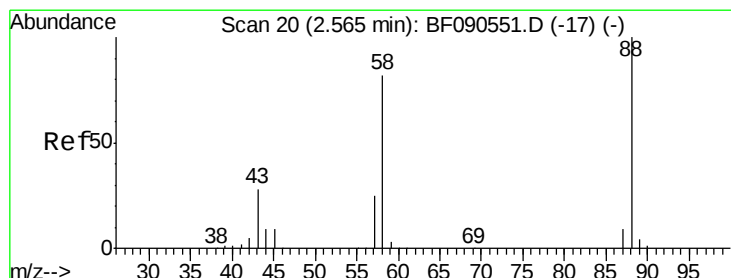
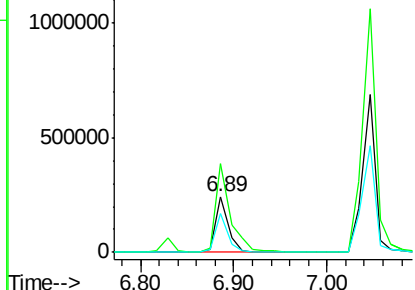
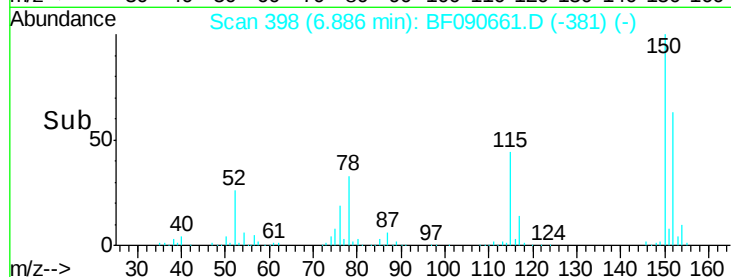
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	127.2	190.8
115	69.8	58.6	88.0

Manual Integrations
APPROVED

sohil
10/20/2016 6:40:27 PM



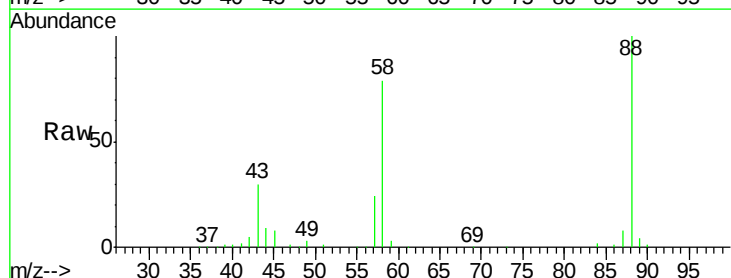
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



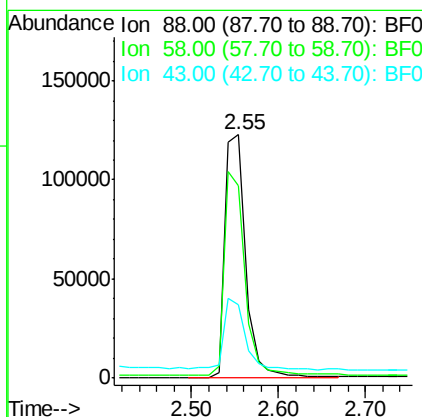
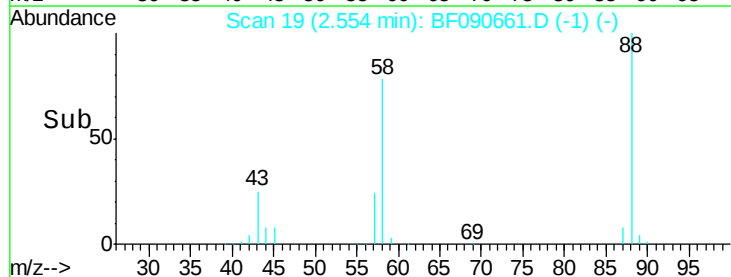
#2

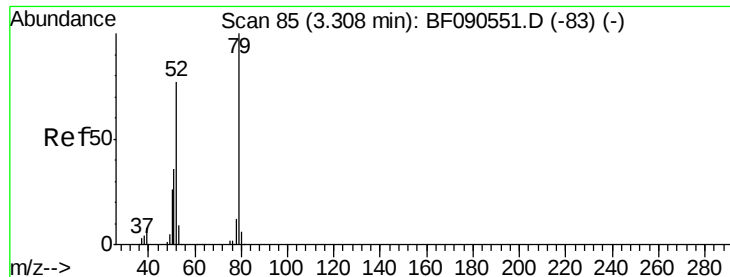
1,4-Dioxane
Concen: 27.75 ng
RT: 2.55 min Scan# 19
Delta R.T. 0.03 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Tgt Ion	Ratio	Lower	Upper
88	100		
58	82.2	67.2	100.8
43	29.9	24.1	36.1



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





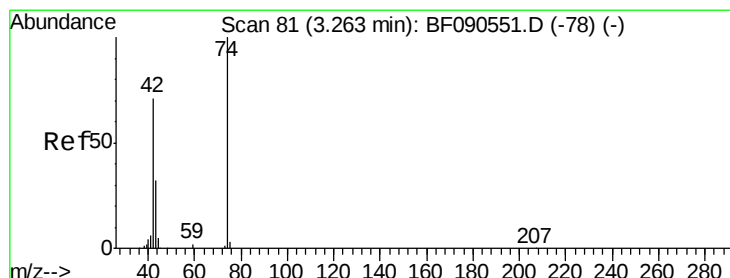
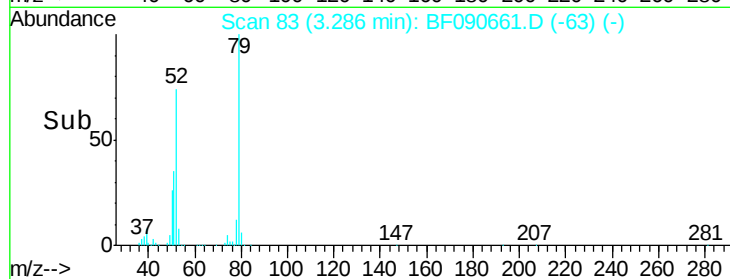
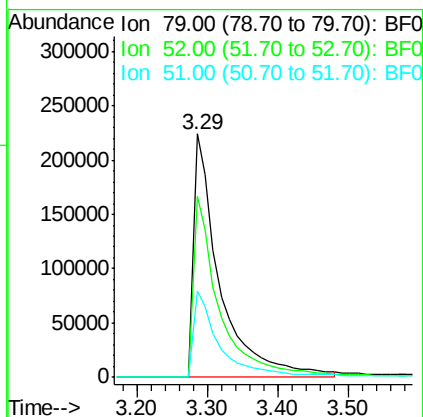
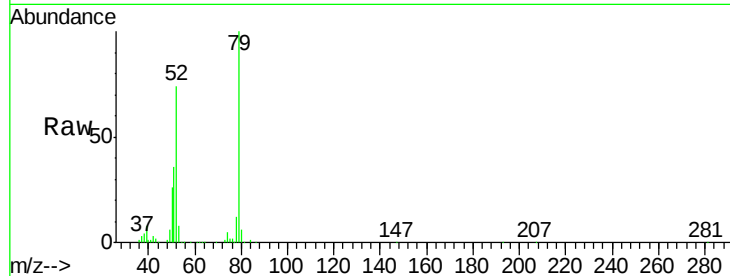
#3
 Pvridine
 Concen: 35.05 ng/ml
 RT: 3.29 min Scan# 83
 Delta R.T. 0.03 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Instrument :
 BNA_F
 ClientSampleId :
 101816-03MSD

Tot Ion	Ratio	Lower	Upper
79	100		
52	74.4	61.8	92.8
51	35.6	29.2	43.8

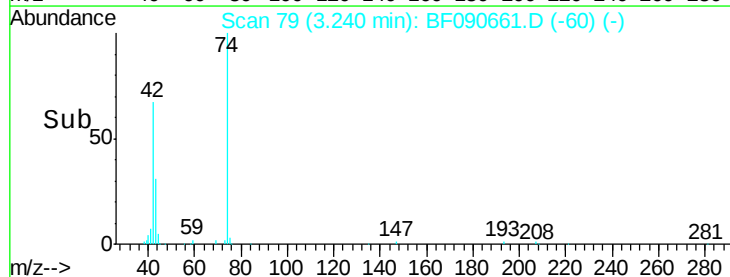
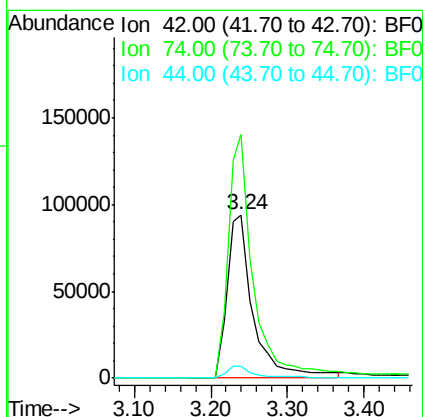
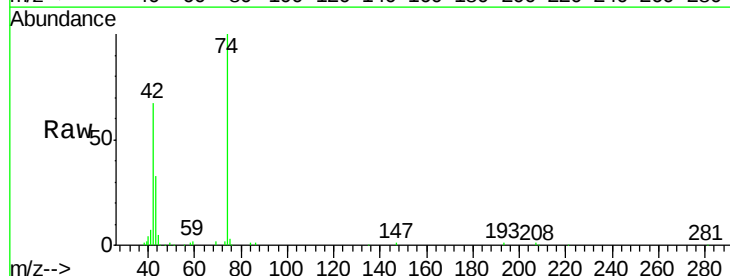
Manual Integrations
 APPROVED

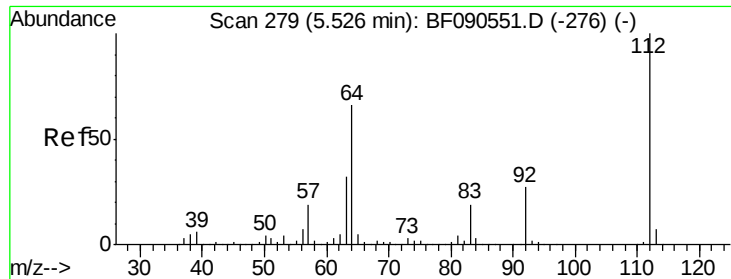
sohil
 10/20/2016 6:40:27 PM



#4
 n-Nitrosodimethylamine
 Concen: 40.07 ng/ml
 RT: 3.24 min Scan# 79
 Delta R.T. 0.02 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Tgt Ion	Ratio	Lower	Upper
42	100		
74	149.0	113.3	169.9
44	7.4	6.0	9.0





#5

2-Fluorophenol

Concen: 117.59 ng

RT: 5.50 min Scan# 277

Delta R.T. 0.01 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

ClientSampleId :

101816-03MSD

Tot Ion:112 Resp: 1513641

Ion Ratio Lower Upper

112 100

64 62.6 52.6 78.8

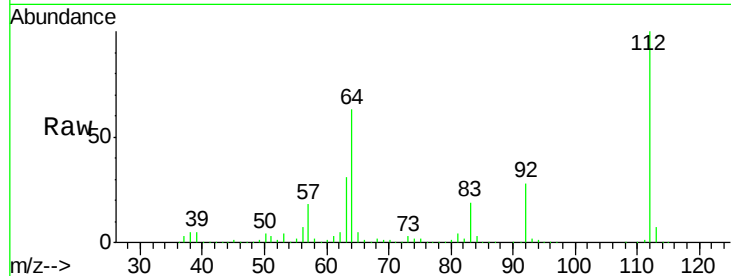
63 30.9 26.0 39.0

Manual Integrations

APPROVED

sohil

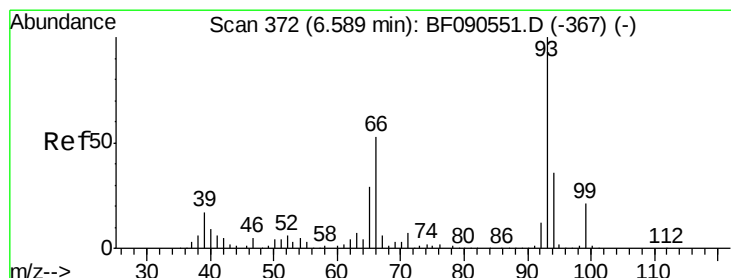
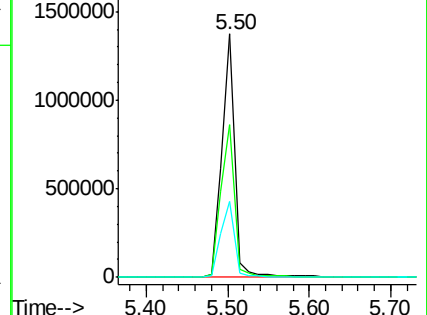
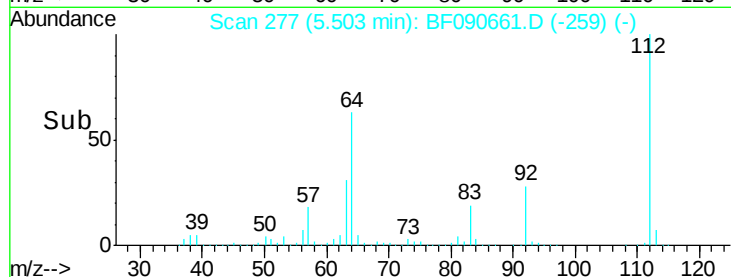
10/20/2016 6:40:27 PM



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: 27.08 ng

RT: 6.55 min Scan# 369

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

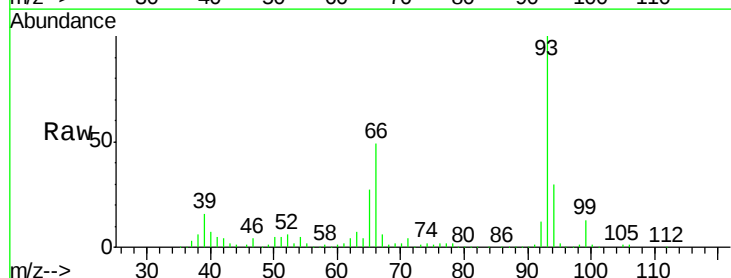
Tgt Ion: 93 Resp: 625895

Ion Ratio Lower Upper

93 100

66 49.4 42.2 63.2

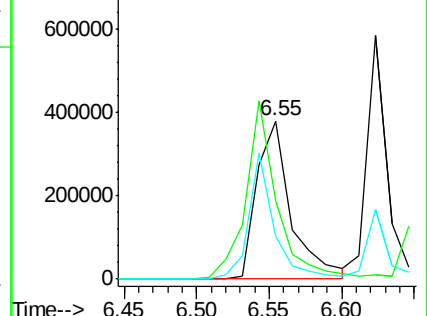
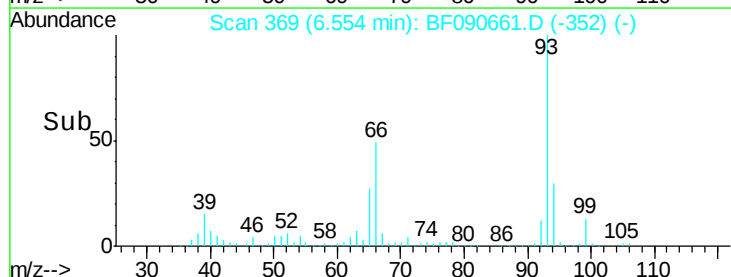
65 26.7 22.9 34.3

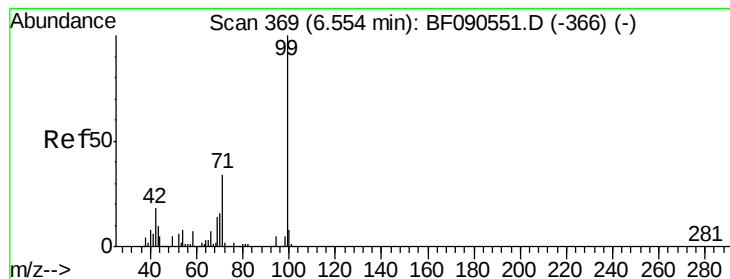


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 99.52 ng

RT: 6.53 min Scan# 367

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

ClientSampleId :

101816-03MSD

Tot Ion: 99 Resp: 1903480

Ion Ratio Lower Upper

99 100

42 17.1 14.7 22.1

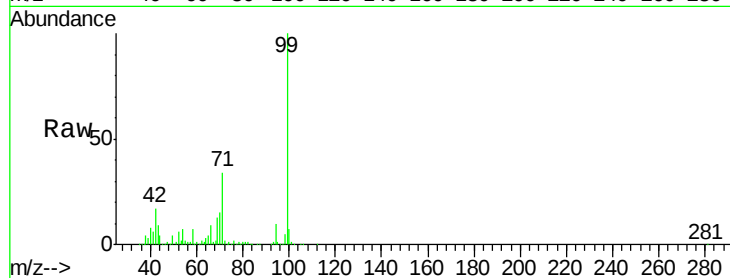
71 33.7 27.6 41.4

Manual Integrations

APPROVED

sohil

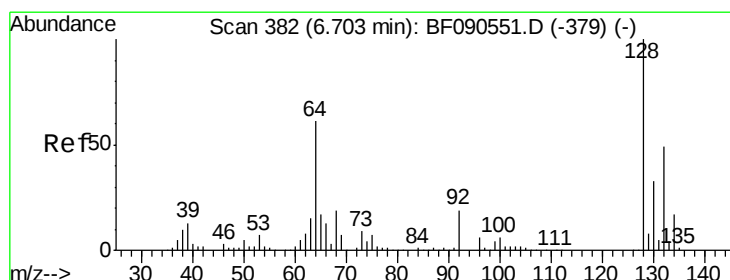
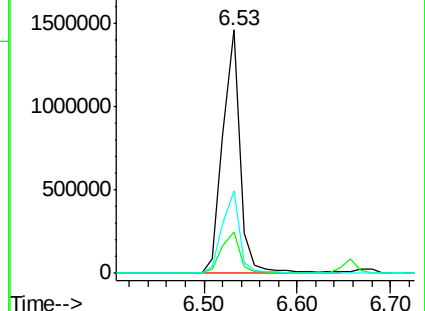
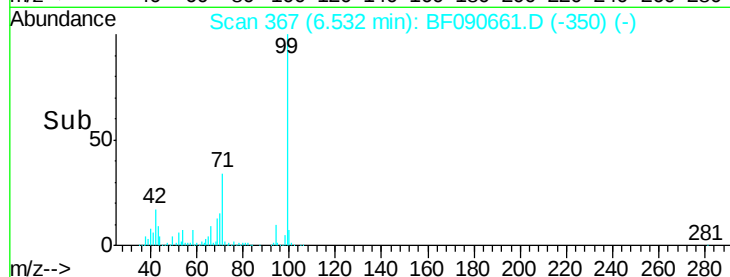
10/20/2016 6:40:27 PM



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 33.16 ng

RT: 6.68 min Scan# 380

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

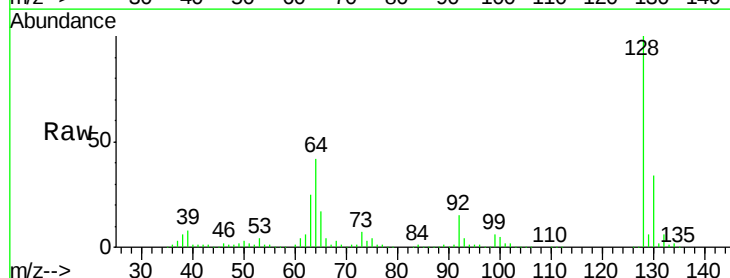
Tgt Ion: 128 Resp: 553469

Ion Ratio Lower Upper

128 100

130 34.0 12.6 52.6

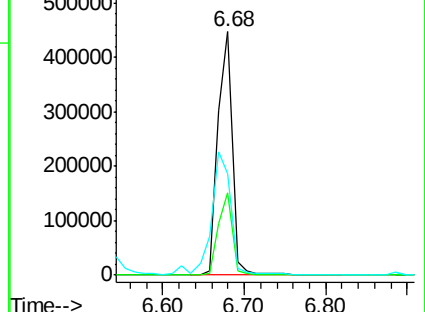
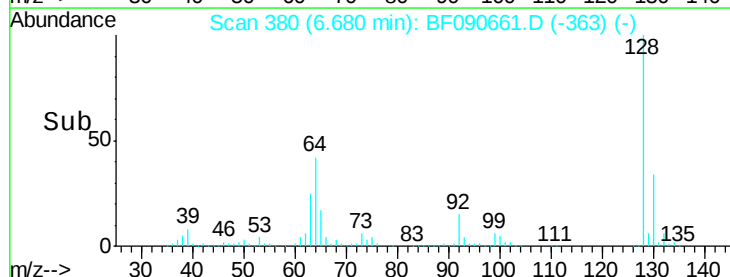
64 41.8 42.6 82.6#

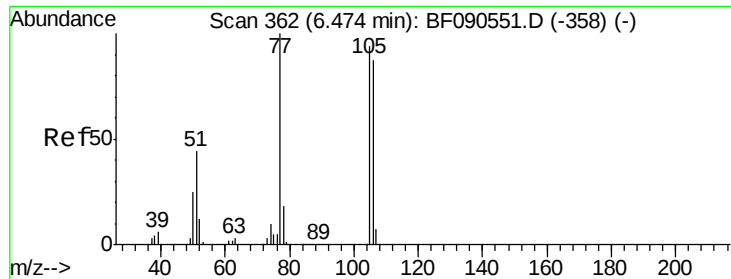


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 10.03 ng

RT: 6.43 min Scan# 358

Delta R.T. -0.01 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

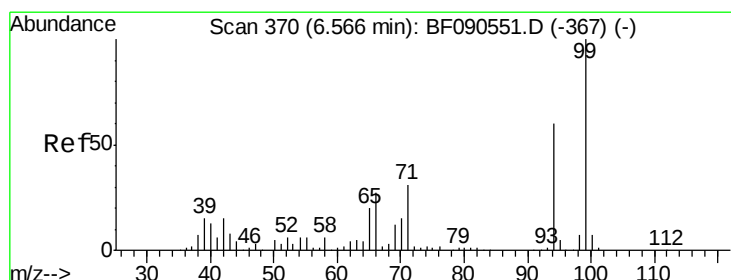
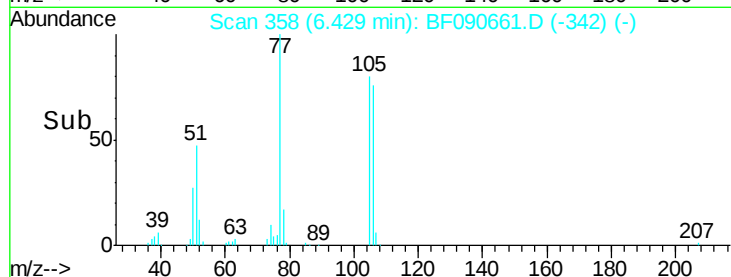
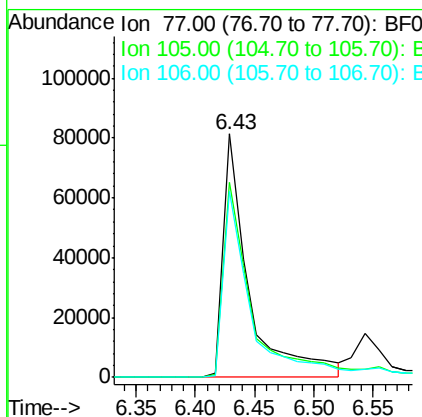
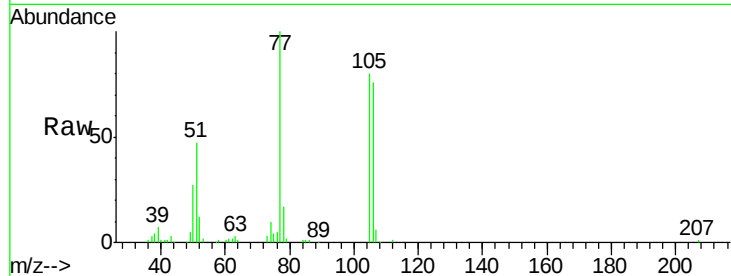
ClientSampleId :

101816-03MSD

Tot Ion:	77	Resp:	121927
Ion Ratio	Lower	Upper	
77	100		
105	80.2	74.3	114.3
106	76.5	67.2	107.2

Manual Integrations
APPROVED

sohil
10/20/2016 6:40:27 PM



#10

Phenol

Concen: 37.11 ng

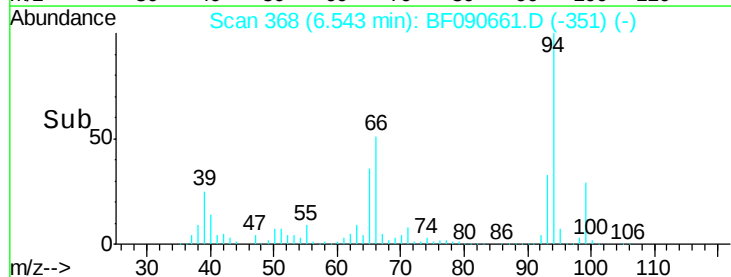
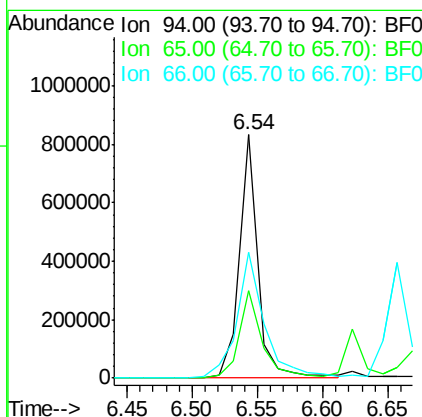
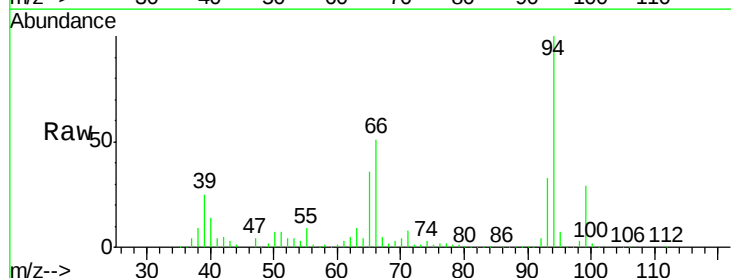
RT: 6.54 min Scan# 368

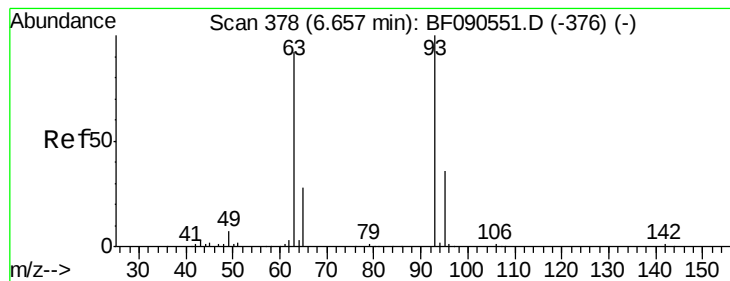
Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Tgt Ion:	94	Resp:	811802
Ion Ratio	Lower	Upper	
94	100		
65	36.2	12.5	52.5
66	51.5	25.5	65.5





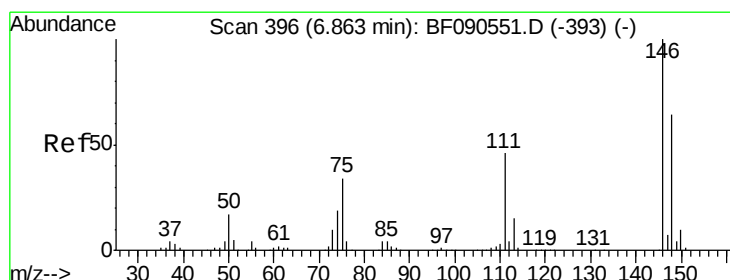
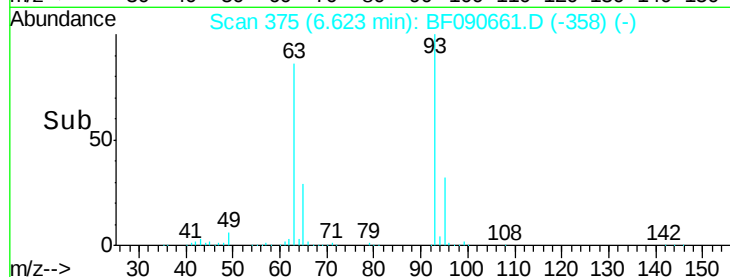
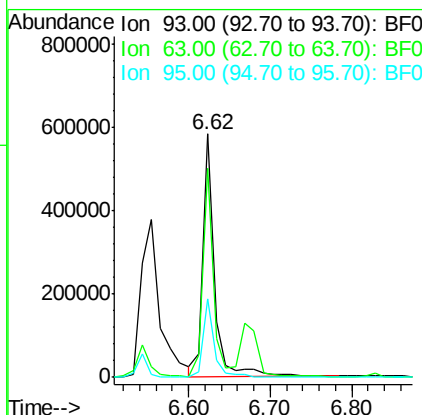
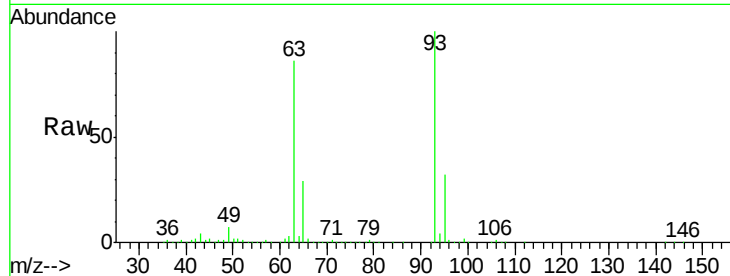
#11
bis(2-Chloroethyl)ether
Concen: 33.19 ng
RT: 6.62 min Scan# 375
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Instrument :
BNA_F
ClientSampleId :
101816-03MSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100	599096		
63	86.1		61.6	101.6
95	32.0		11.8	51.8

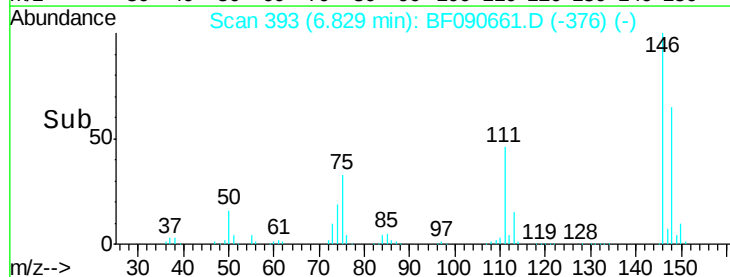
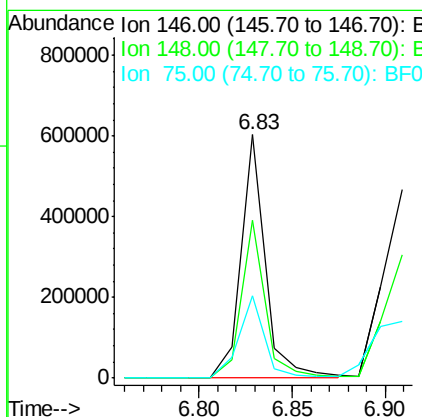
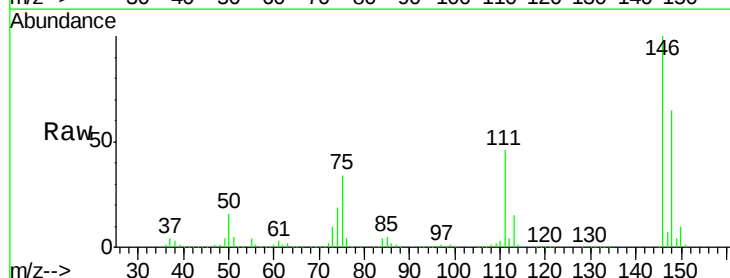
Manual Integrations
APPROVED

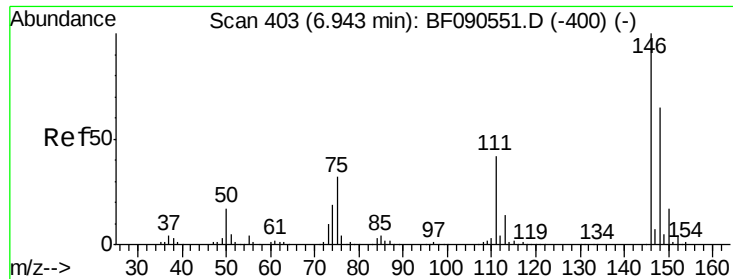
sohil
10/20/2016 6:40:27 PM



#12
1,3-Dichlorobenzene
Concen: 32.90 ng
RT: 6.83 min Scan# 393
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	547644		
148	64.6		51.4	77.2
75	33.6		27.0	40.6





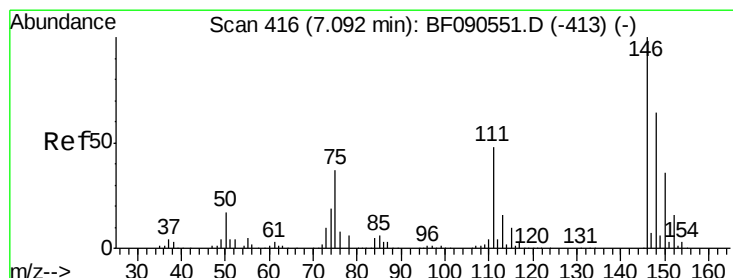
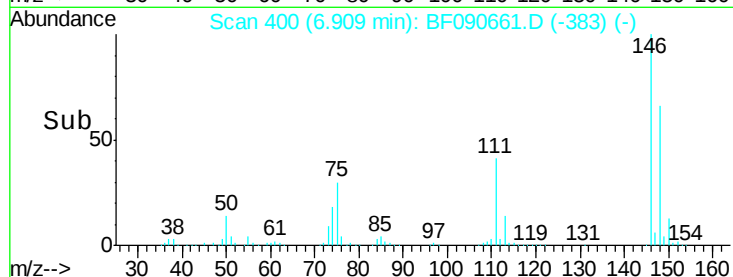
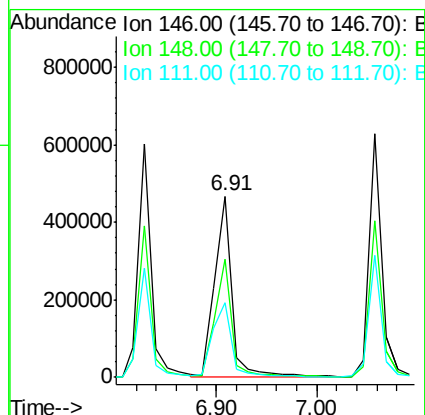
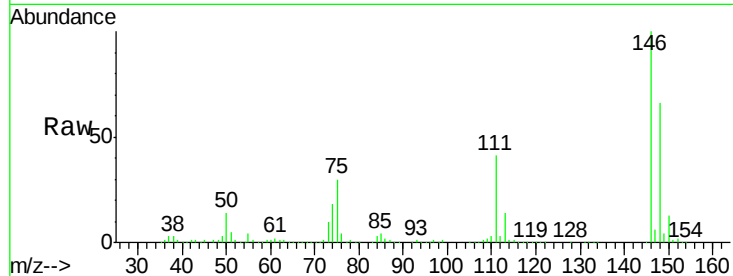
#13
 1,4-Dichlorobenzene
 Concen: 30.25 ng
 RT: 6.91 min Scan# 400
 Delta R.T. -0.00 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Instrument :
 BNA_F
 ClientSampleId :
 101816-03MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.5	51.9	77.9
111	41.3	33.7	50.5

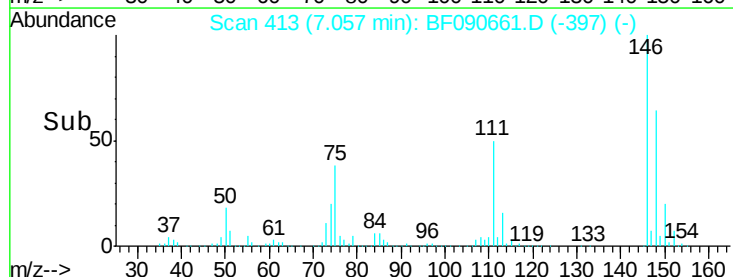
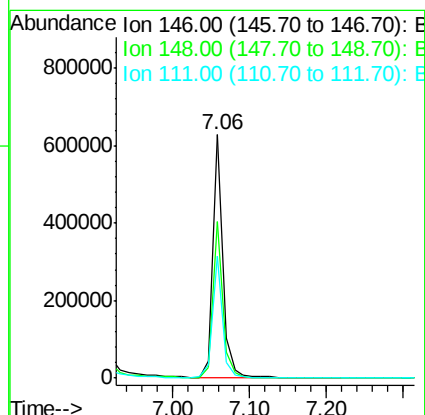
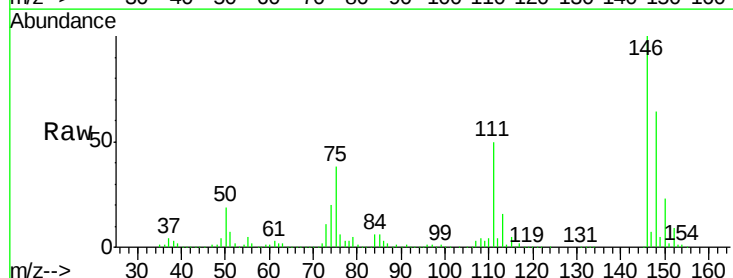
Manual Integrations
 APPROVED

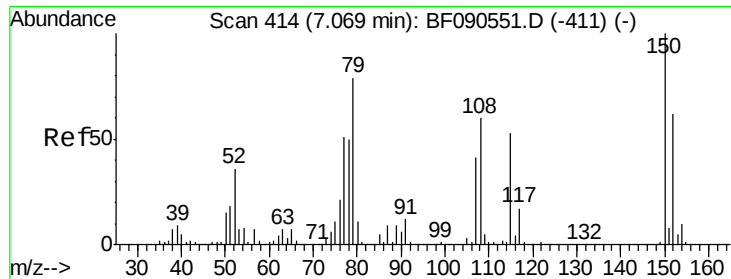
sohil
 10/20/2016 6:40:27 PM



#14
 1,2-Dichlorobenzene
 Concen: 32.64 ng
 RT: 7.06 min Scan# 413
 Delta R.T. -0.01 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.2	76.8
111	49.9	38.2	57.2





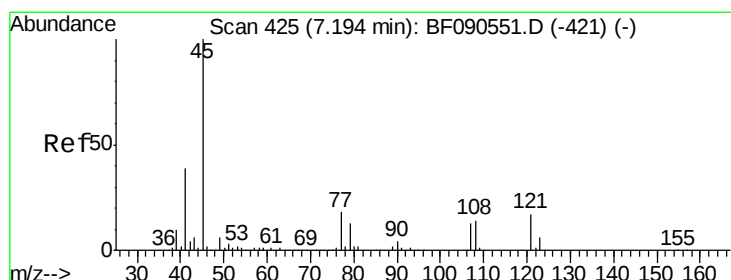
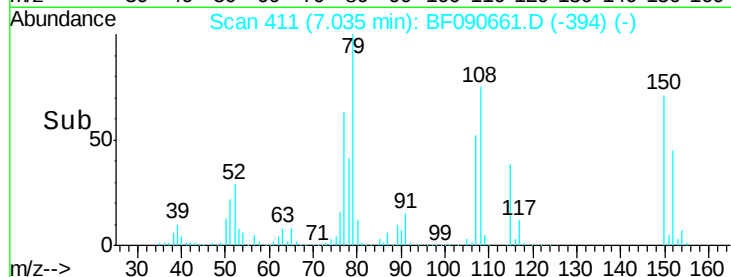
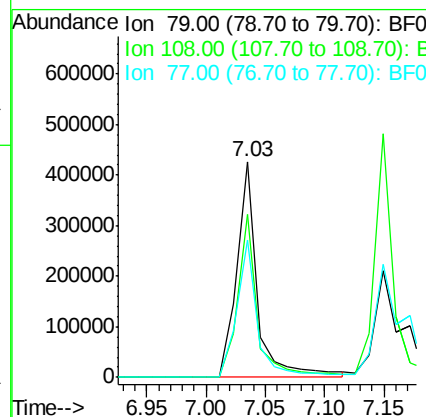
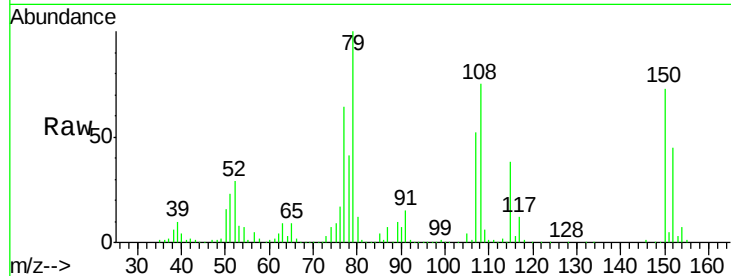
#15
Benzyl Alcohol
Concen: 39.46 ng
RT: 7.03 min Scan# 411
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Instrument :
BNA_F
ClientSampleId :
101816-03MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	75.5	60.2	90.4
77	63.6	52.0	78.0

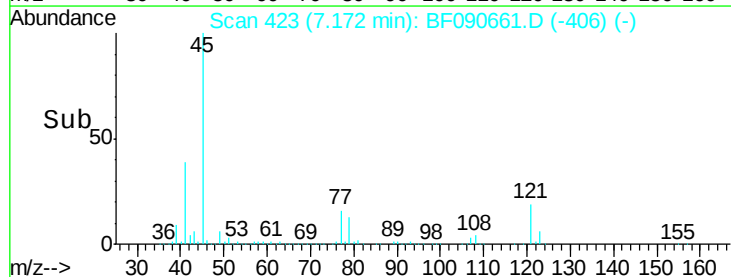
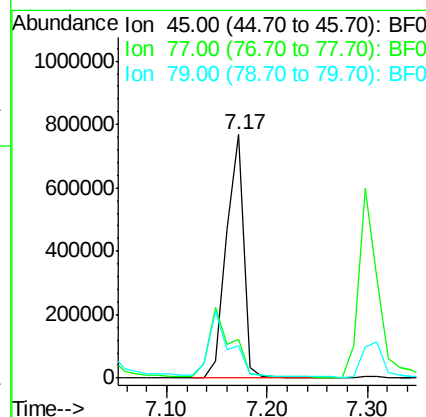
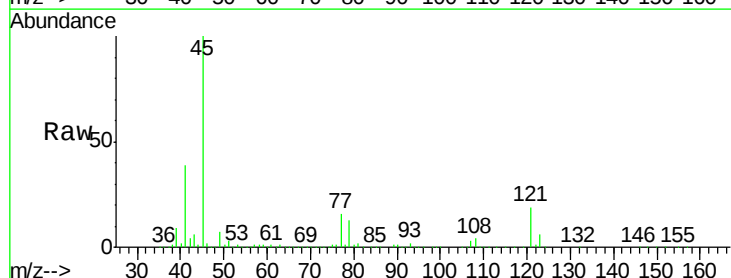
Manual Integrations
APPROVED

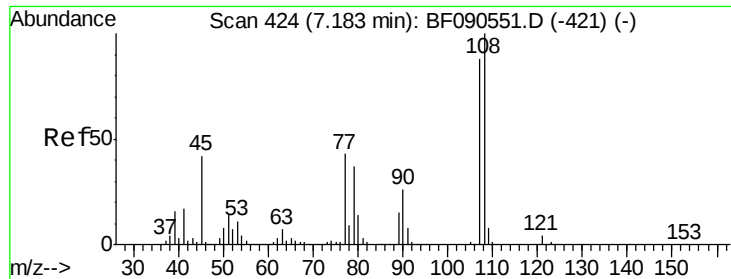
sohil
10/20/2016 6:40:27 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.09 ng
RT: 7.17 min Scan# 423
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Tgt Ion	Ratio	Lower	Upper
45	100		
77	15.9	0.9	40.9
79	13.1	0.0	37.3





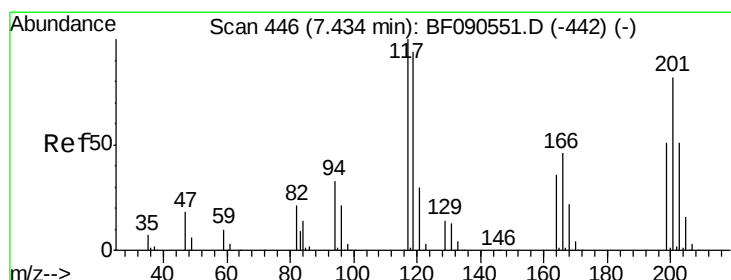
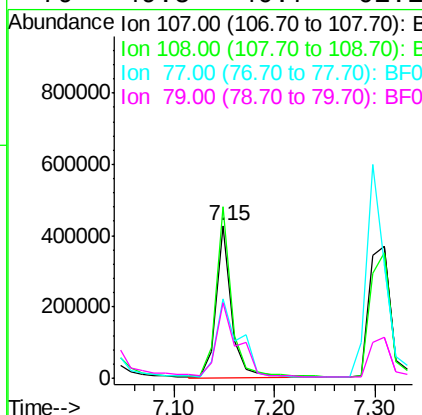
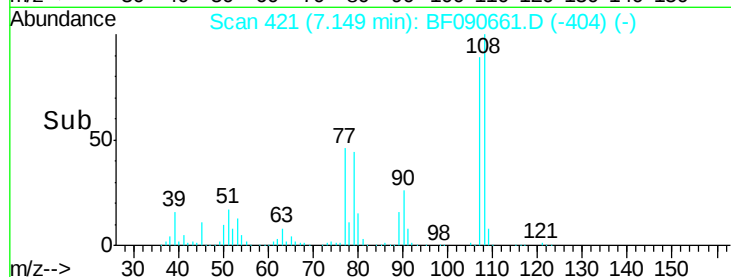
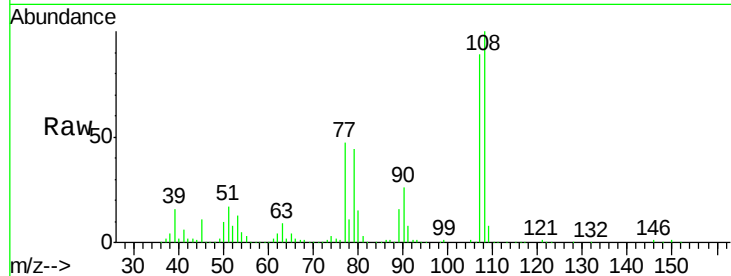
#17
2-Methylphenol
Concen: 35.00 ng
RT: 7.15 min Scan# 421
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Instrument :
BNA_F
ClientSampleId :
101816-03MSD

Tot Ion	107	Resp	455214
Ion Ratio	Lower	Upper	
107	100		
108	112.6	92.6	138.8
77	52.4	42.2	63.2
79	49.5	40.7	61.1

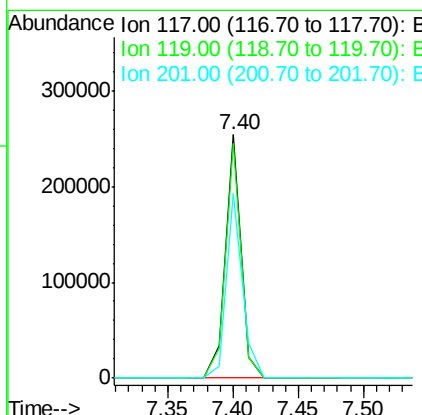
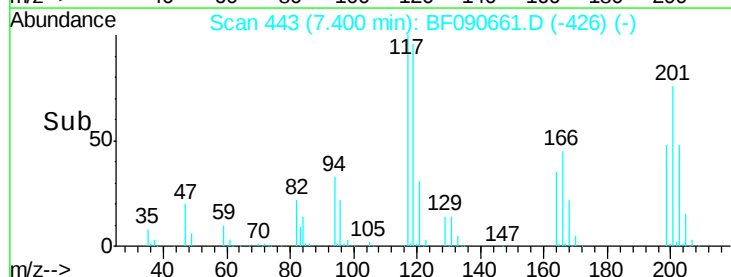
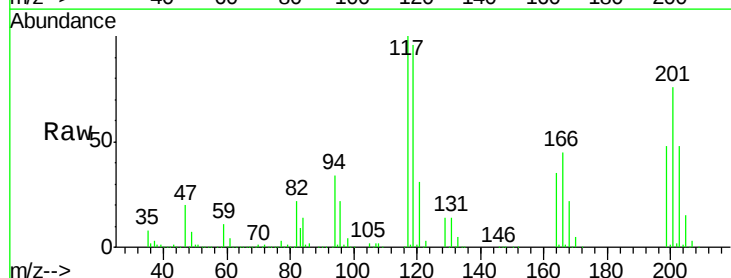
Manual Integrations
APPROVED

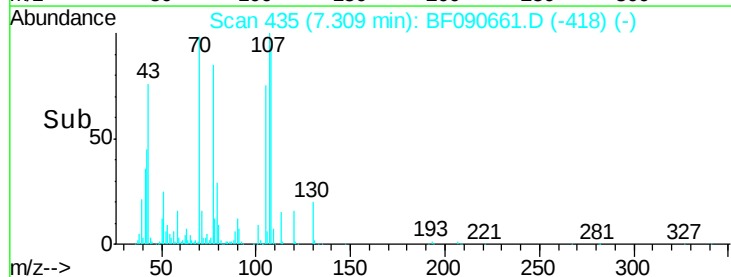
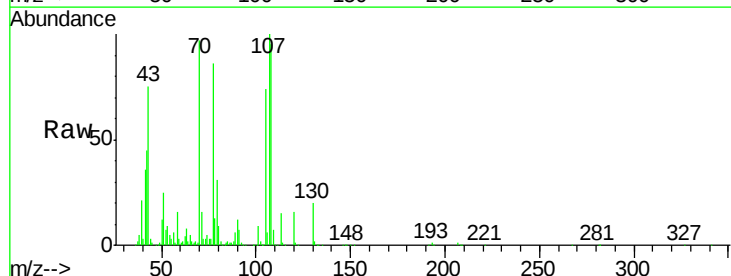
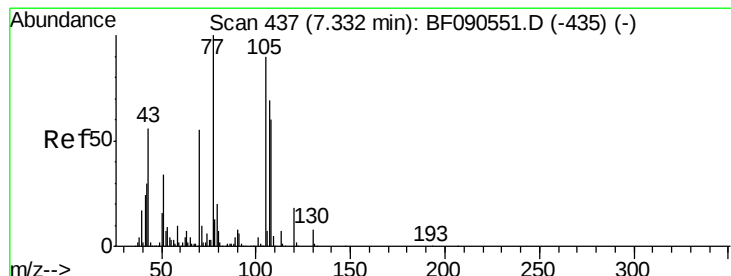
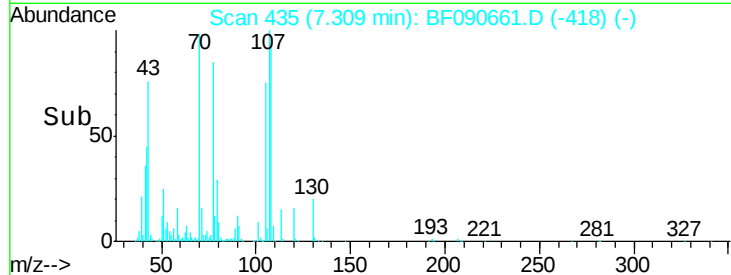
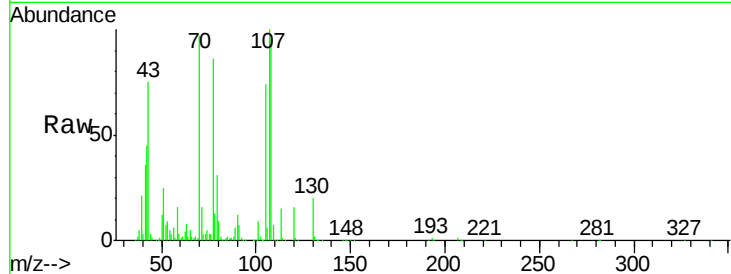
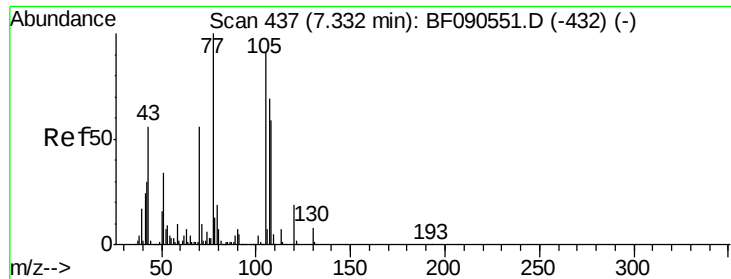
sohil
10/20/2016 6:40:27 PM



#18
Hexachloroethane
Concen: 29.73 ng
RT: 7.40 min Scan# 443
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Tgt Ion	117	Resp	212667
Ion Ratio	Lower	Upper	
117	100		
119	96.2	75.6	113.4
201	76.1	65.4	98.0





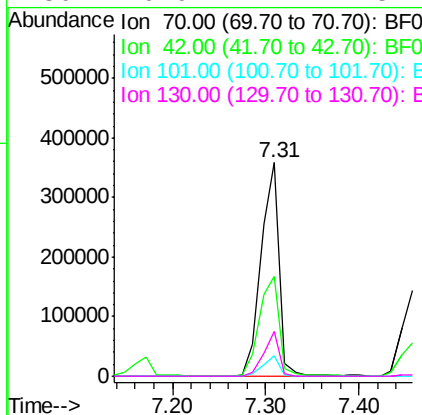
#19
n-Nitroso-di-n-propylamine
Concen: 37.03 ng
RT: 7.31 min Scan# 435
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Instrument :
BNA_F
ClientSampleId :
101816-03MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	46.7	43.4	65.0
101	9.3	6.4	9.6
130	20.9	12.1	18.1

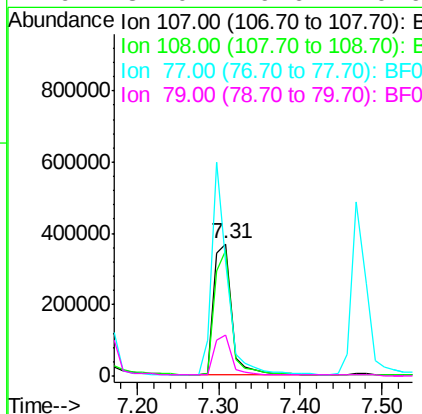
Manual Integrations
APPROVED

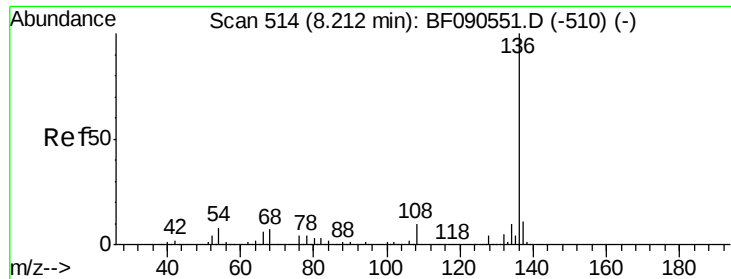
sohil
10/20/2016 6:40:27 PM



#20
3+4-Methylphenols
Concen: 35.93 ng
RT: 7.31 min Scan# 435
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Tgt Ion	Ratio	Lower	Upper
107	100		
108	95.1	67.7	107.7
77	85.7	123.1	163.1
79	31.0	9.6	49.6





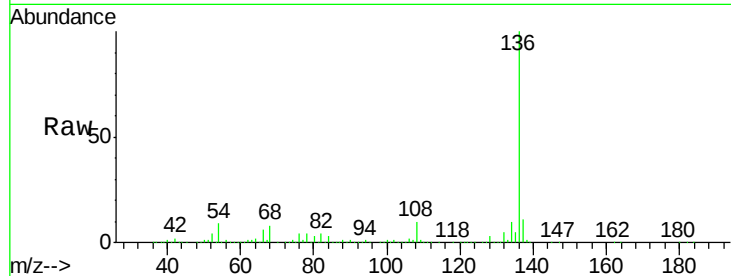
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 511
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Instrument :
BNA_F
ClientSampleId :
101816-03MSD

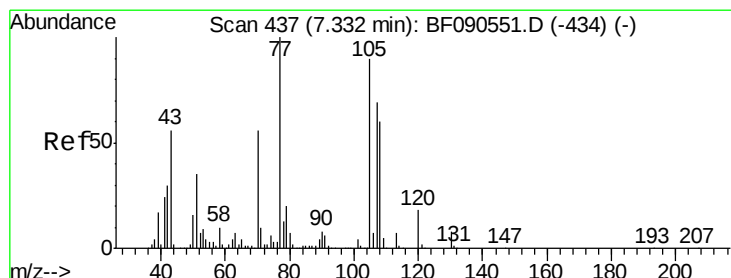
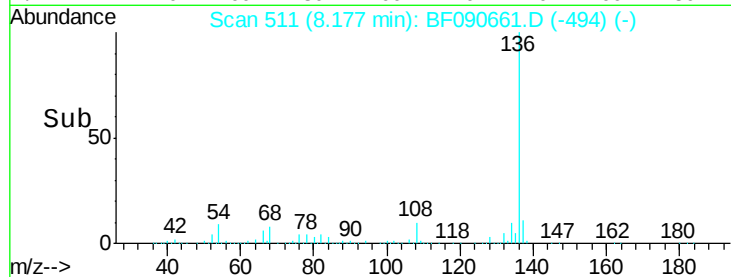
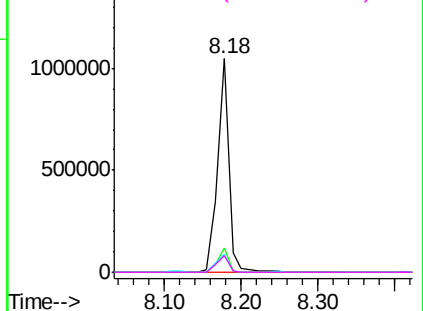
Tot Ion	136	Resp	1068759
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	8.6	6.8	10.2
68	7.6	6.0	9.0

Manual Integrations
APPROVED

sohil
10/20/2016 6:40:27 PM



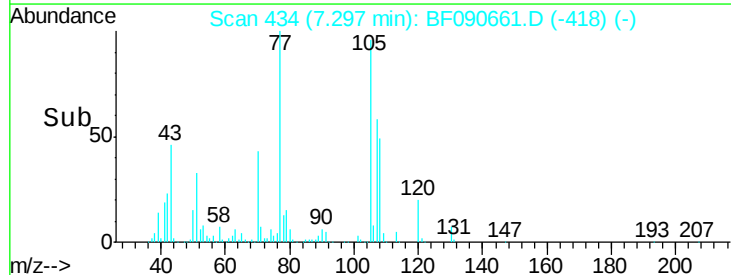
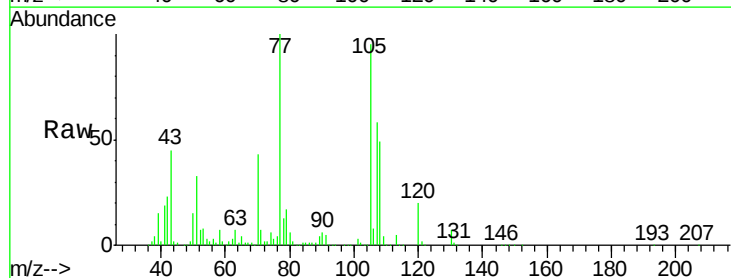
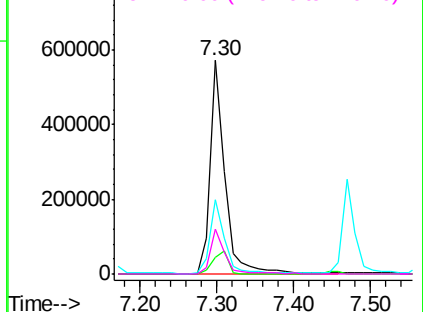
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

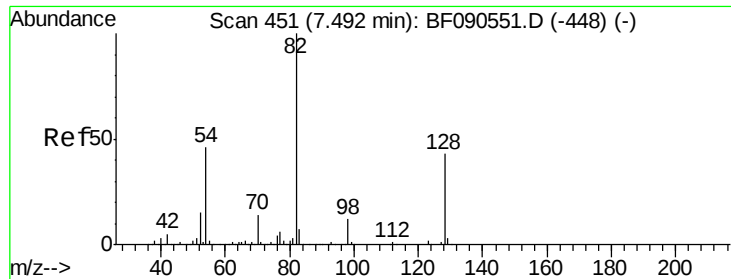


#22
Acetophenone
Concen: 32.27 ng
RT: 7.30 min Scan# 434
Delta R.T. -0.01 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Tgt Ion	105	Resp	761955
Ion	Ratio	Lower	Upper
105	100		
71	7.7	8.5	12.7#
51	34.8	31.0	46.4
120	21.0	16.2	24.4

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





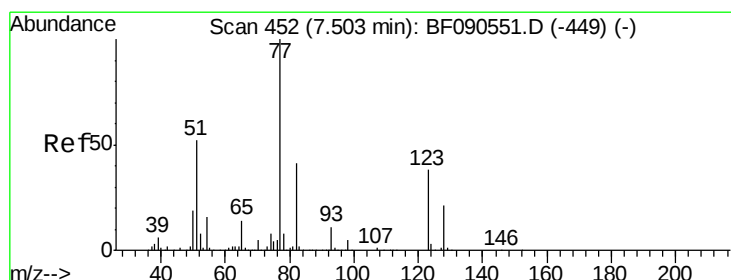
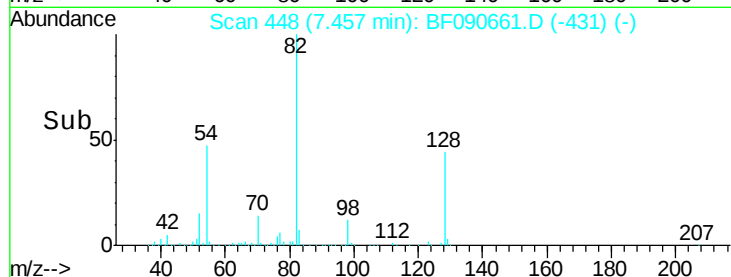
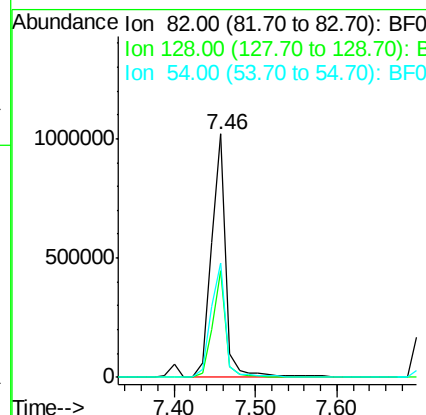
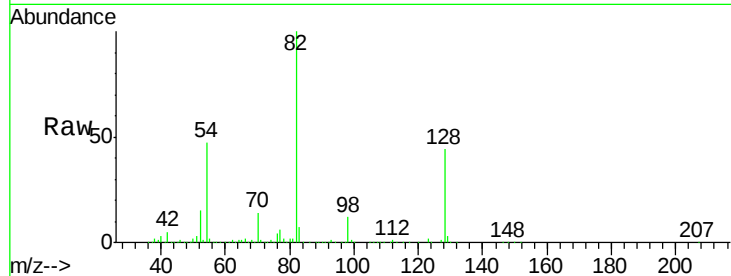
#23
 Nitrobenzene-d5
 Concen: 66.66 ng
 RT: 7.46 min Scan# 448
 Delta R.T. -0.00 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Instrument :
 BNA_F
 ClientSampleId :
 101816-03MSD

Tot Ion	82	Resp	1282568
Ion Ratio	100	Lower	Upper
82	100		
128	43.6	34.3	51.5
54	47.0	37.0	55.6

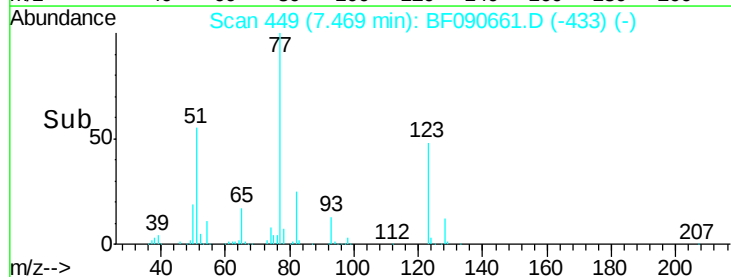
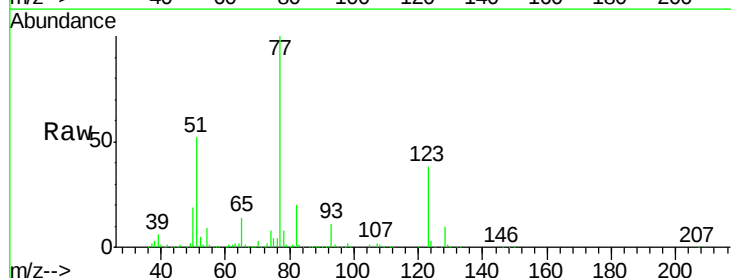
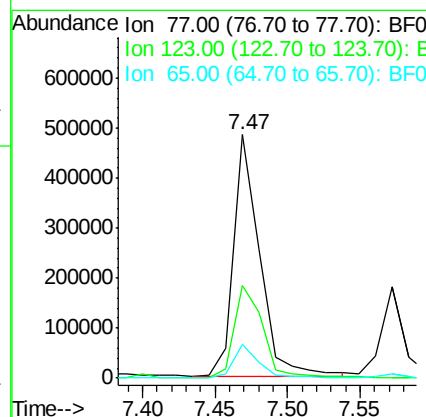
Manual Integrations
 APPROVED

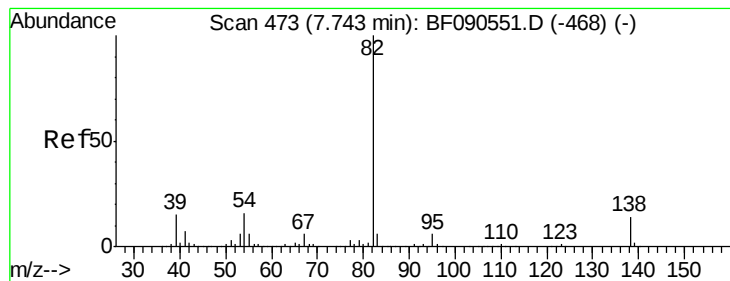
sohil
 10/20/2016 6:40:27 PM



#24
 Nitrobenzene
 Concen: 30.40 ng
 RT: 7.47 min Scan# 449
 Delta R.T. -0.01 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Tgt Ion	77	Resp	600347
Ion Ratio	100	Lower	Upper
77	100		
123	38.0	29.8	44.6
65	14.1	10.9	16.3





#25

Isophorone

Concen: 33.46 ng

RT: 7.71 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

ClientSampleId :

101816-03MSD

Tot Ion: 82 Resp: 1171489

Ion Ratio Lower Upper

82 100

95 6.5 5.0 7.6

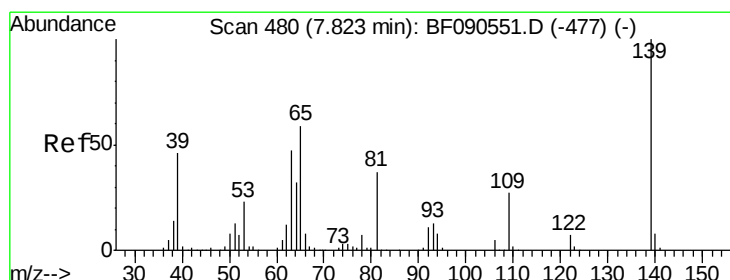
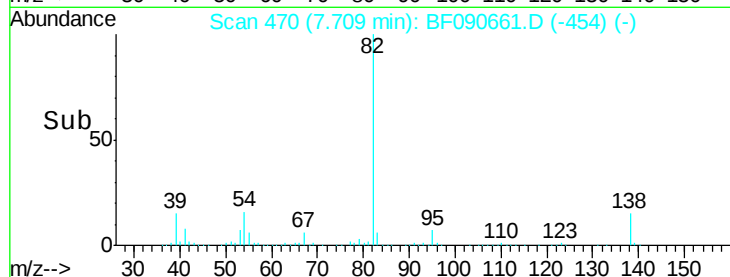
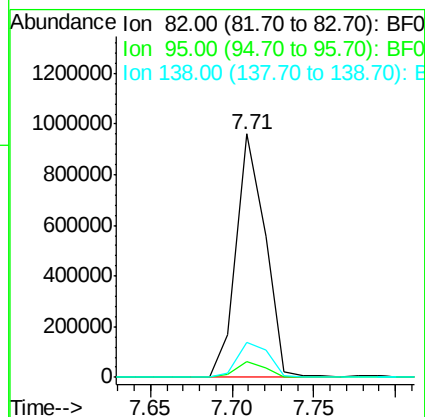
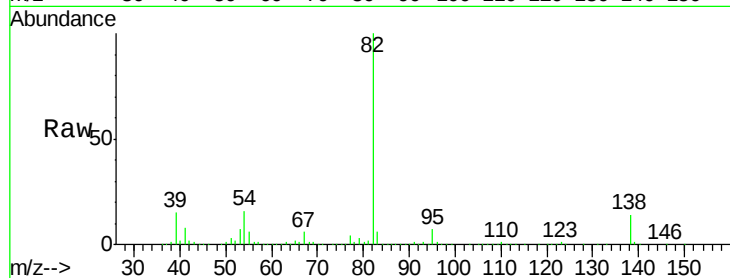
138 14.4 11.5 17.3

Manual Integrations

APPROVED

sohil

10/20/2016 6:40:27 PM



#26

2-Nitrophenol

Concen: 26.15 ng

RT: 7.79 min Scan# 477

Delta R.T. -0.01 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

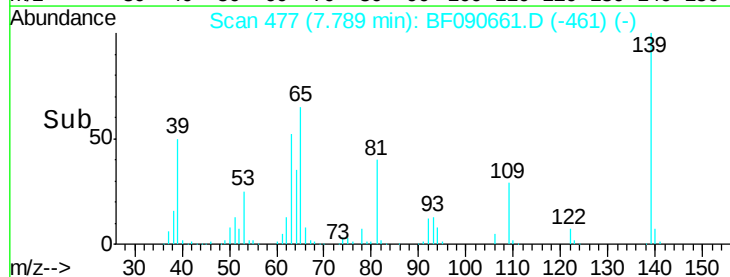
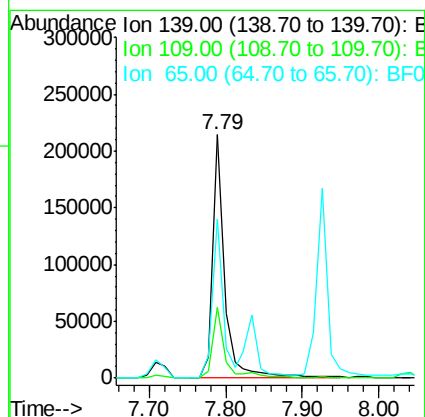
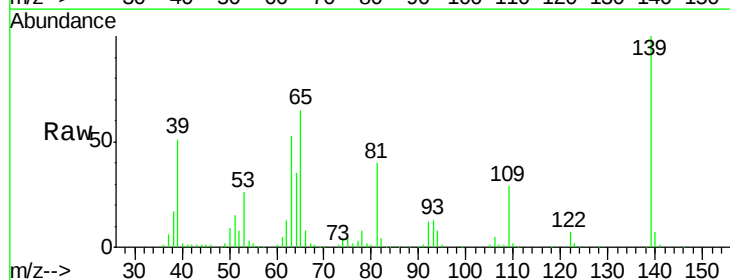
Tgt Ion: 139 Resp: 234286

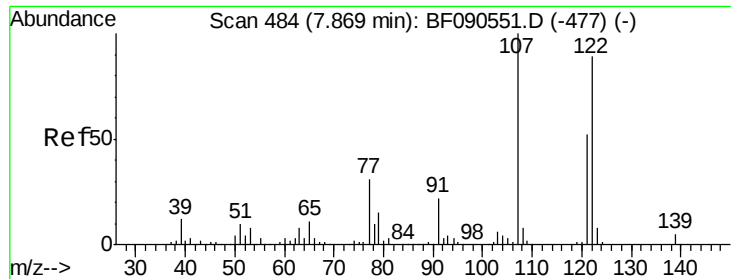
Ion Ratio Lower Upper

139 100

109 29.0 21.8 32.6

65 65.3 47.7 71.5





#27

2,4-Dimethylphenol

Concen: 34.70 ng

RT: 7.83 min Scan# 481

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

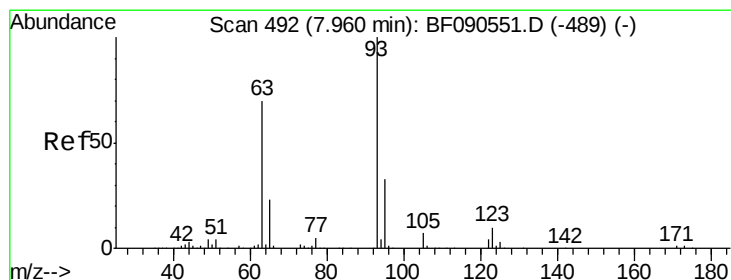
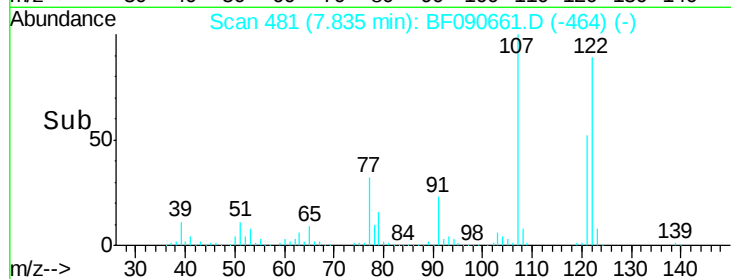
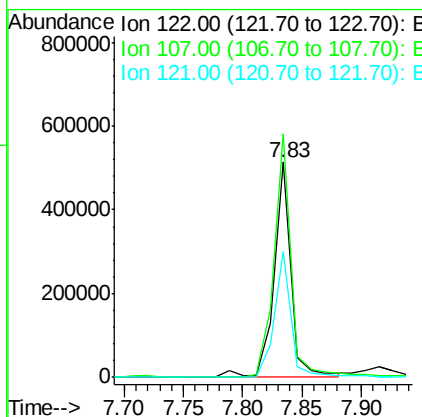
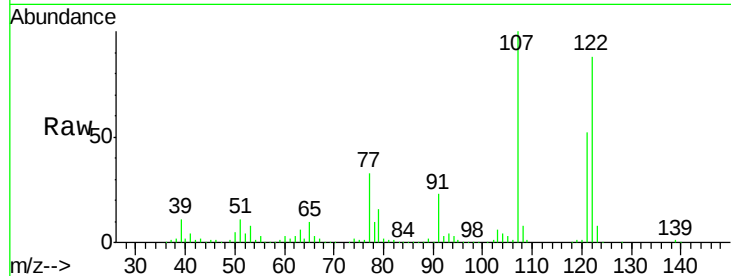
ClientSampleId :

101816-03MSD

Tot Ion:	122	Resp:	515741
Ion Ratio	Lower	Upper	
122	100		
107	113.1	89.8	134.6
121	58.5	46.1	69.1

Manual Integrations
APPROVED

sohil
10/20/2016 6:40:27 PM



#28

bis(2-Chloroethoxy)methane

Concen: 34.61 ng

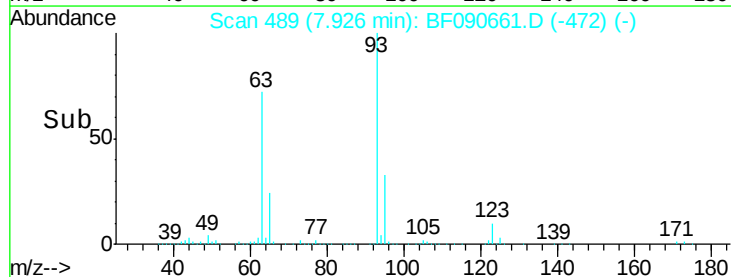
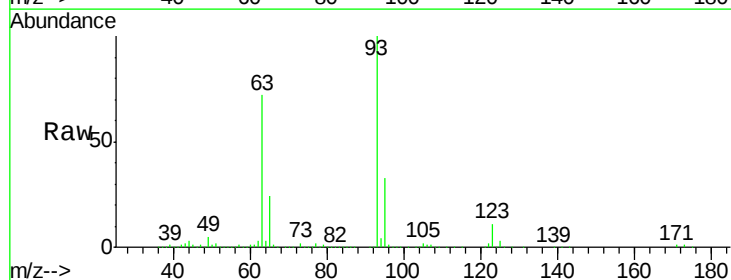
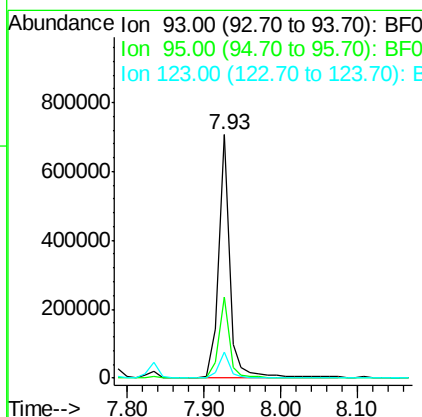
RT: 7.93 min Scan# 489

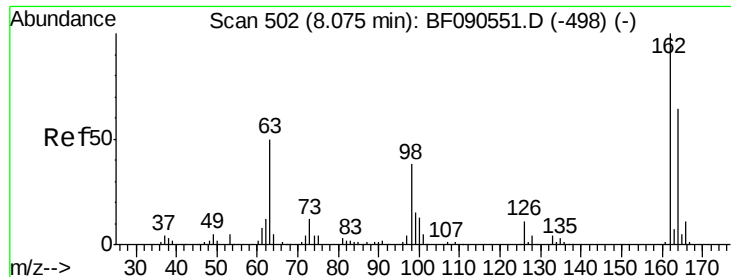
Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Tgt Ion:	93	Resp:	715602
Ion Ratio	Lower	Upper	
93	100		
95	33.3	26.2	39.2
123	10.5	8.6	13.0





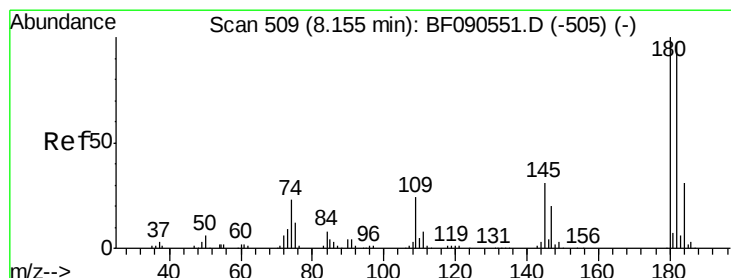
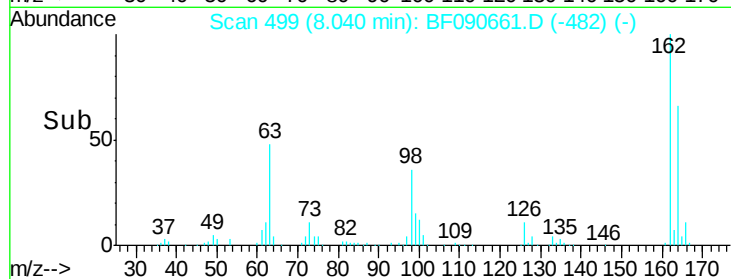
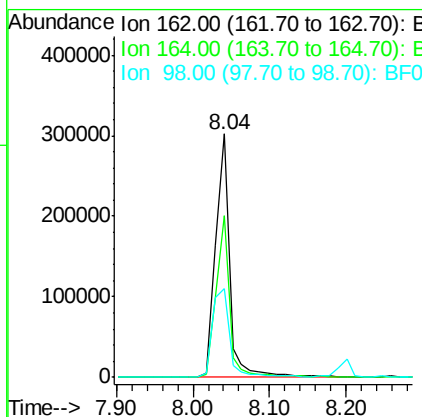
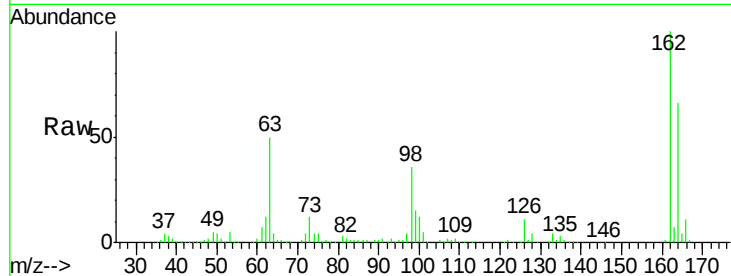
#29
 2,4-Dichlorophenol
 Concen: 29.73 ng
 RT: 8.04 min Scan# 499
 Delta R.T. -0.00 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Instrument :
 BNA_F
 ClientSampleId :
 101816-03MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	387033		
164	66.3		44.0	84.0
98	36.4		18.0	58.0

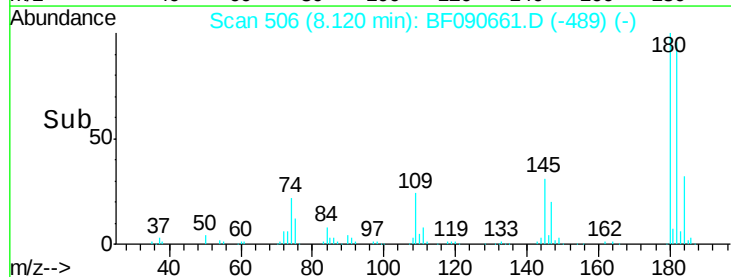
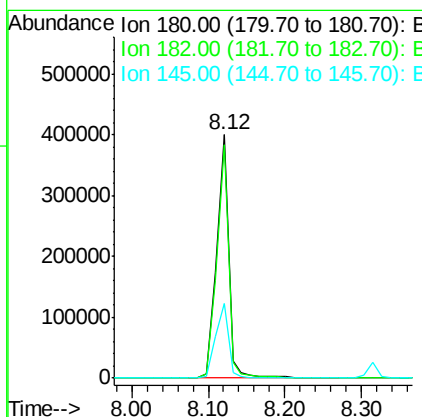
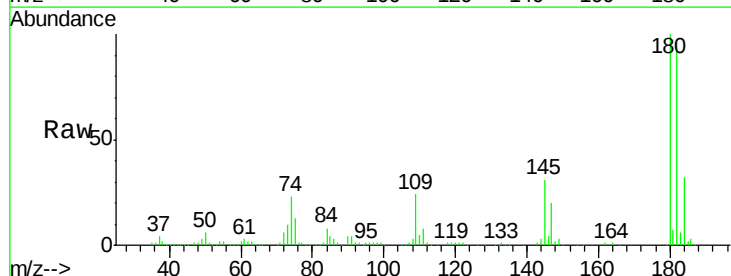
Manual Integrations
 APPROVED

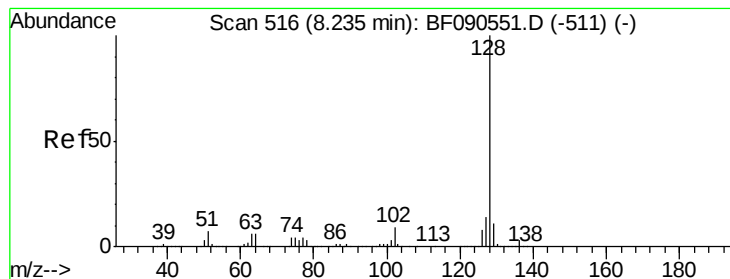
sohil
 10/20/2016 6:40:27 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 28.54 ng
 RT: 8.12 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	435233		
182	95.7		77.2	115.8
145	30.8		24.4	36.6





#31

Naphthalene

Concen: 30.06 ng

RT: 8.20 min Scan# 513

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

ClientSampleId :

101816-03MSD

Tot Ion:128 Resp: 1636406

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.6

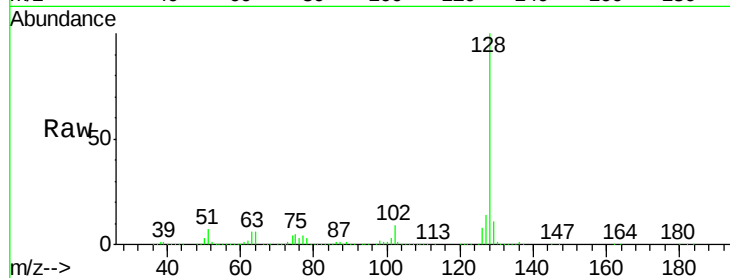
127 13.6 10.8 16.2

Manual Integrations

APPROVED

sohil

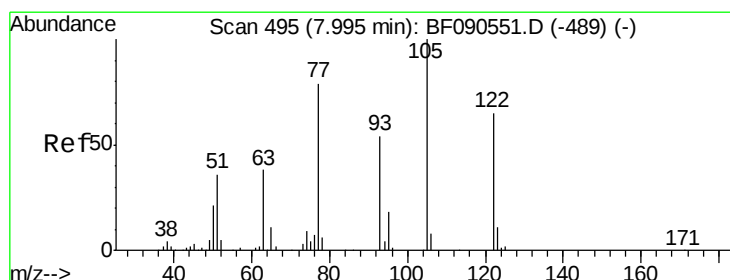
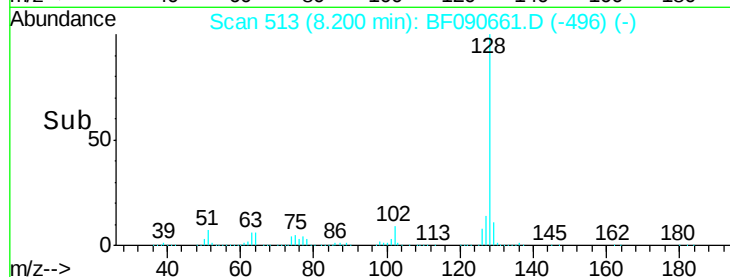
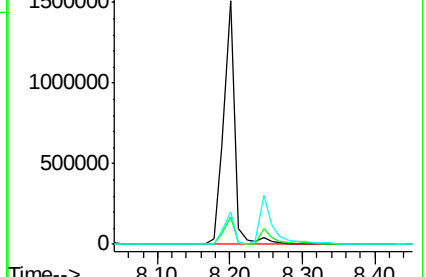
10/20/2016 6:40:27 PM



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: 7.17 ng

RT: 7.91 min Scan# 488

Delta R.T. -0.07 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

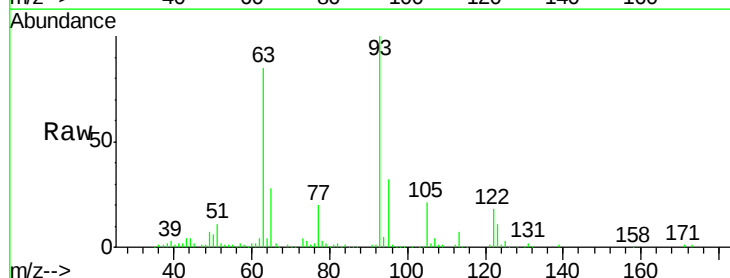
Tgt Ion:122 Resp: 65419

Ion Ratio Lower Upper

122 100

105 118.1 101.1 141.1

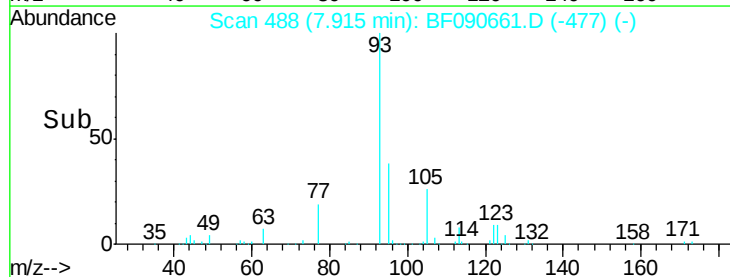
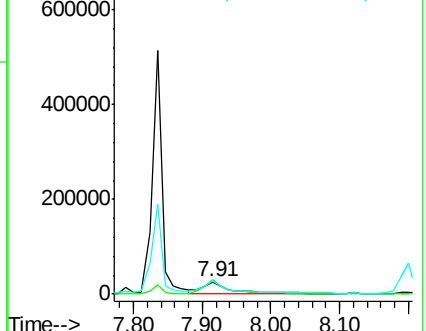
77 108.2 84.7 124.7

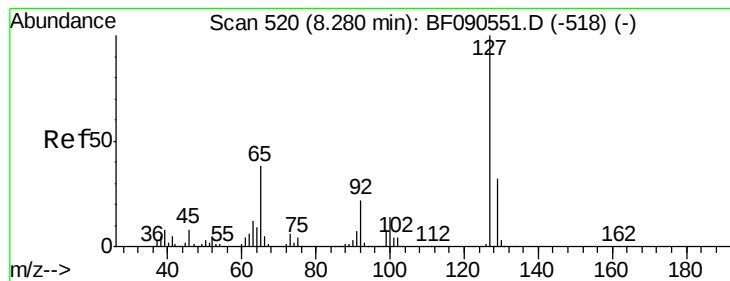


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 18.86 ng

RT: 8.25 min Scan# 517

Delta R.T. -0.01 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

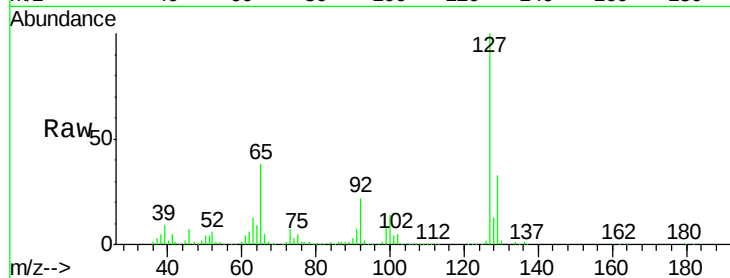
ClientSampleId :

101816-03MSD

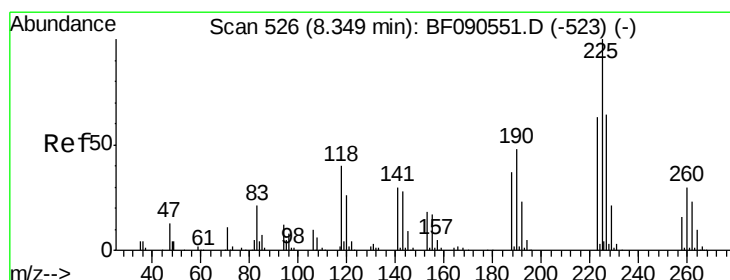
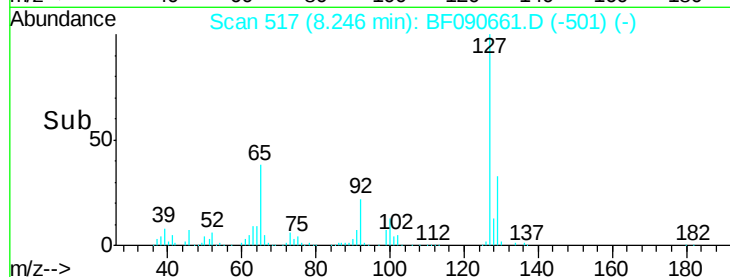
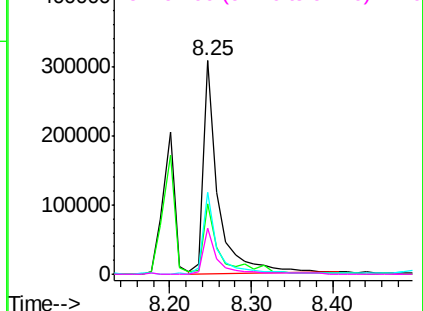
Tot Ion:	127	Resp:	392444
Ion Ratio		Lower	Upper
127	100		
129	32.7	26.2	39.2
65	38.4	30.1	45.1
92	21.6	17.2	25.8

Manual Integrations
APPROVED

sohil
10/20/2016 6:40:27 PM



Abundance Ion 127.00 (126.70 to 127.70): E



#34

Hexachlorobutadiene

Concen: 27.27 ng

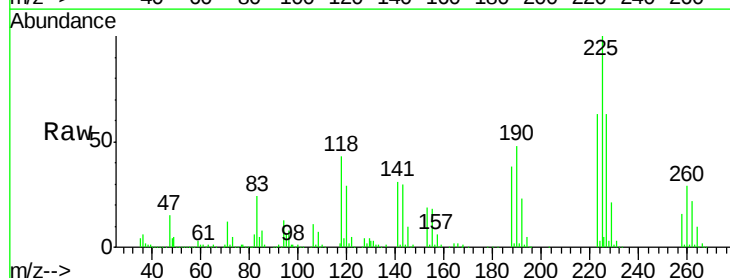
RT: 8.31 min Scan# 523

Delta R.T. -0.00 min

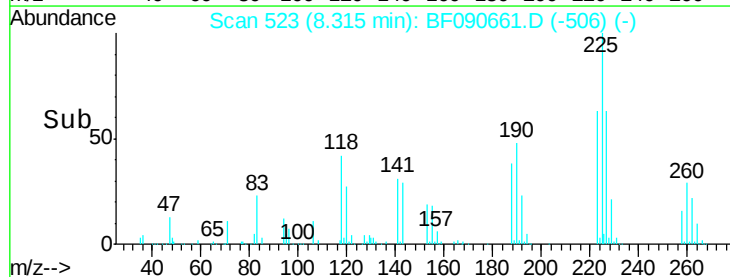
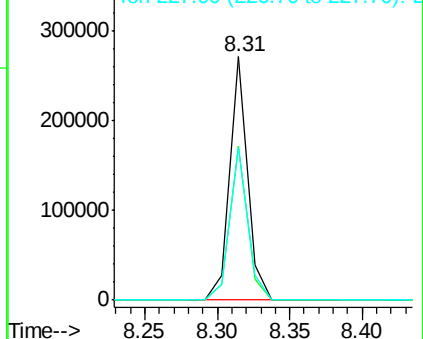
Lab File: BF090661.D

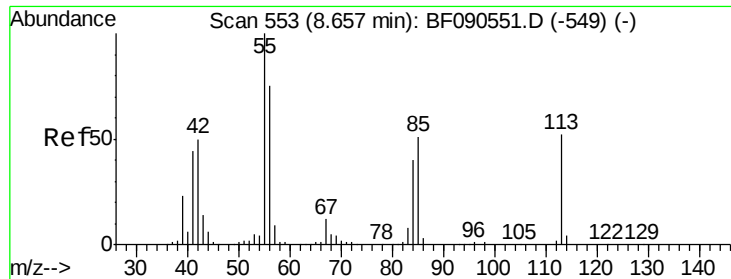
Acq: 19 Oct 2016 21:28

Tgt Ion:	225	Resp:	232364
Ion Ratio		Lower	Upper
225	100		
223	63.1	50.6	76.0
227	62.5	51.4	77.2



Abundance Ion 225.00 (224.70 to 225.70): E





#35

Caprolactam

Concen: 35.22 ng

RT: 8.61 min Scan# 549

Delta R.T. -0.02 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

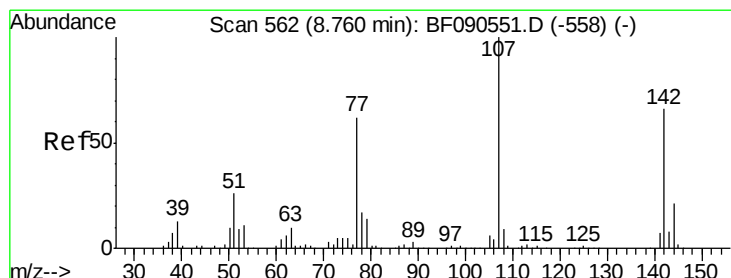
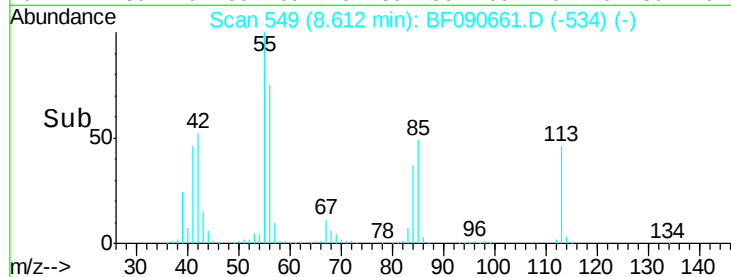
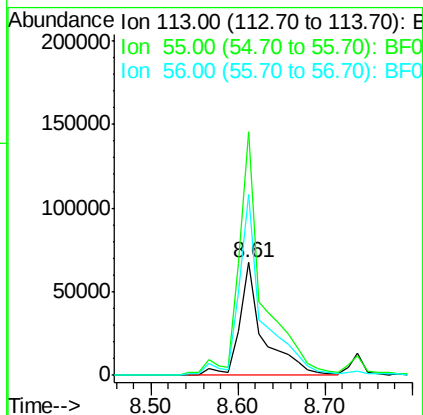
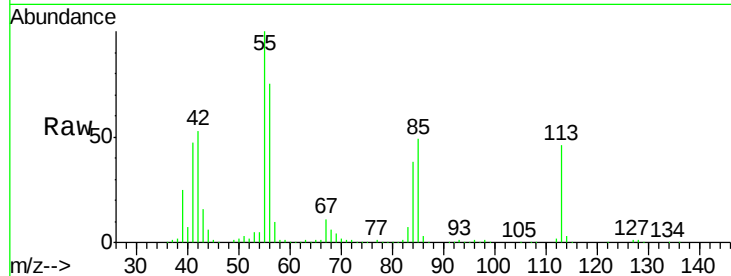
ClientSampleId :

101816-03MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	215.9	170.8	210.8#
56	160.9	122.4	162.4

Manual Integrations
APPROVED

sohil
10/20/2016 6:40:27 PM



#36

4-Chloro-3-methylphenol

Concen: 32.55 ng

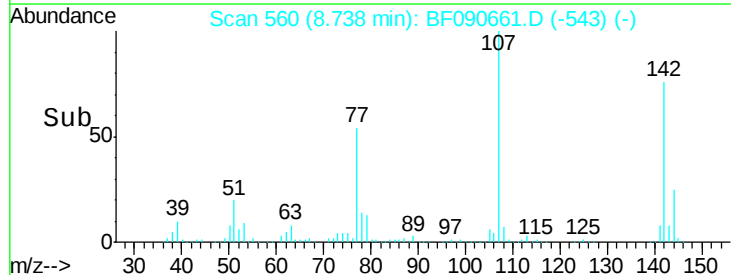
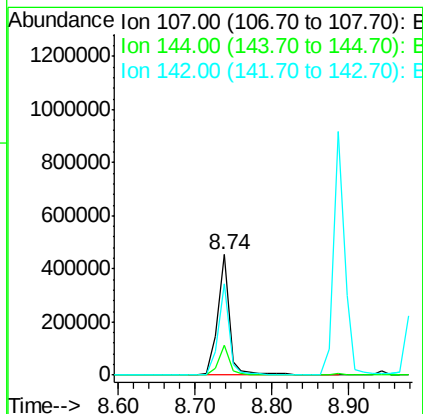
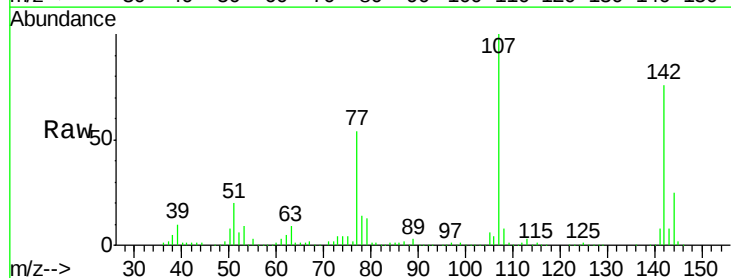
RT: 8.74 min Scan# 560

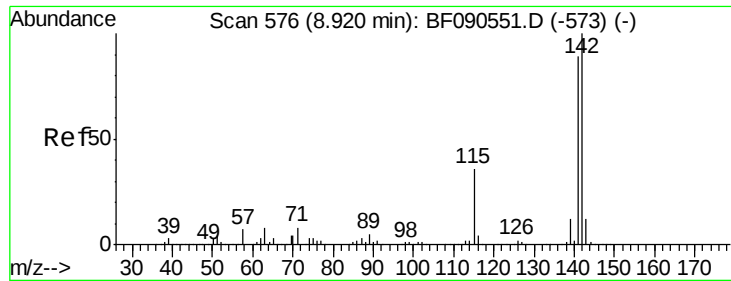
Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.7	16.9	25.3
142	76.3	52.5	78.7





#37

2-Methylnaphthalene

Concen: 29.11 ng

RT: 8.89 min Scan# 573

Delta R.T. -0.01 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

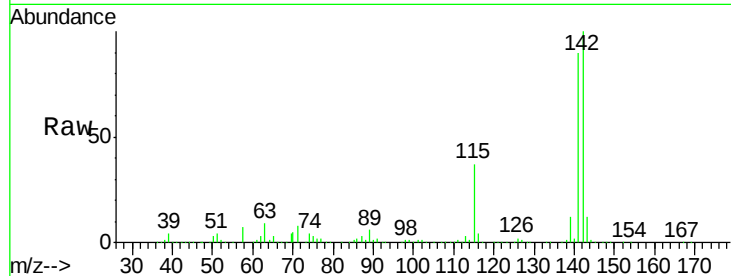
ClientSampleId :

101816-03MSD

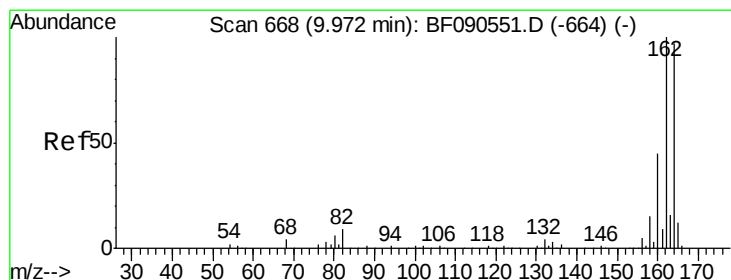
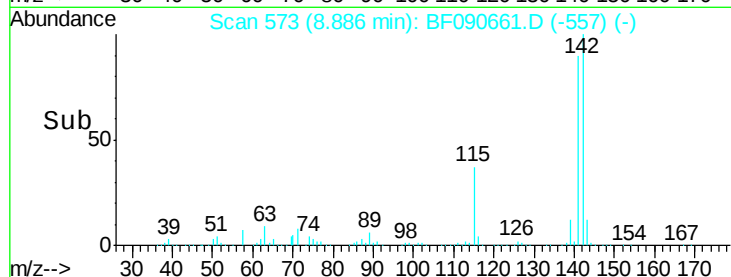
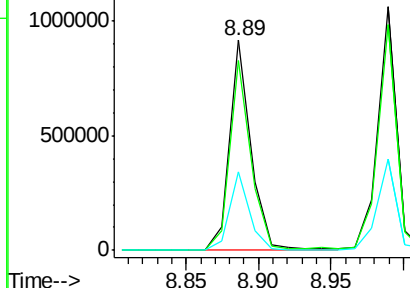
Tot Ion:	142	Resp:	930636
Ion Ratio	Lower	Upper	
142	100		
141	90.4	71.3	106.9
115	37.4	28.8	43.2

Manual Integrations
APPROVED

sohil
10/20/2016 6:40:27 PM



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.94 min Scan# 665

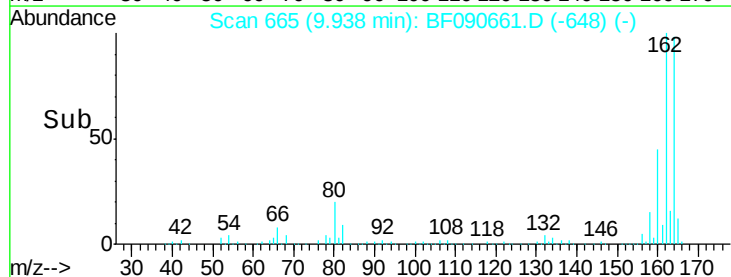
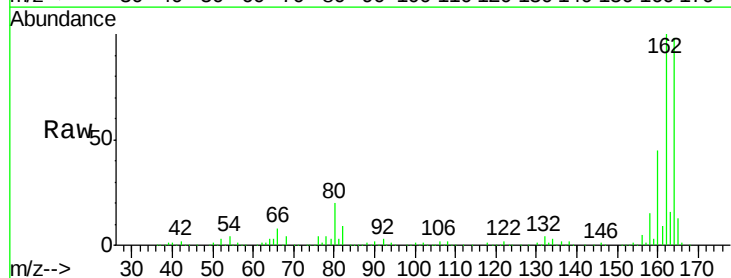
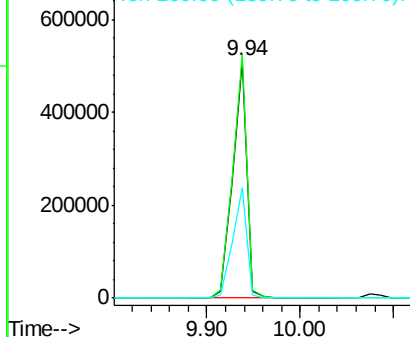
Delta R.T. -0.00 min

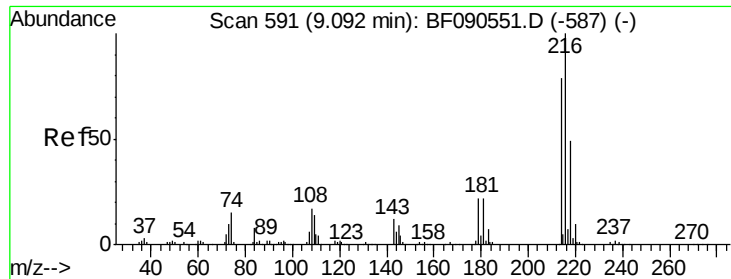
Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Tgt Ion:	164	Resp:	549288
Ion Ratio	Lower	Upper	
164	100		
162	102.4	82.2	123.4
160	46.4	36.6	55.0

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 30.27 ng

RT: 9.06 min Scan# 588

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

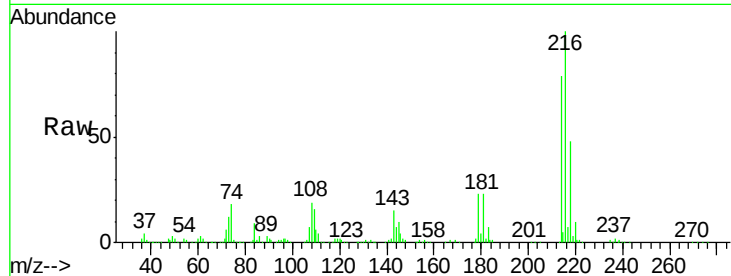
ClientSampleId :

101816-03MSD

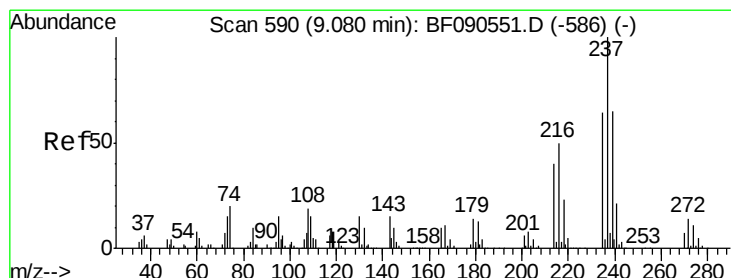
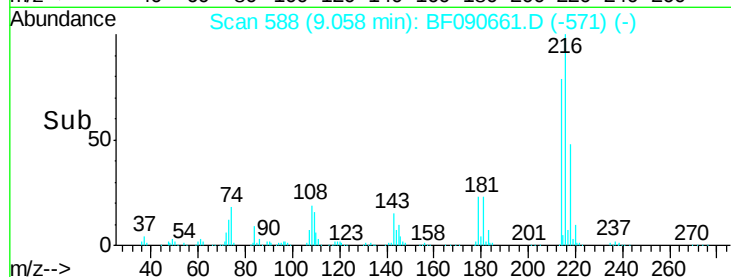
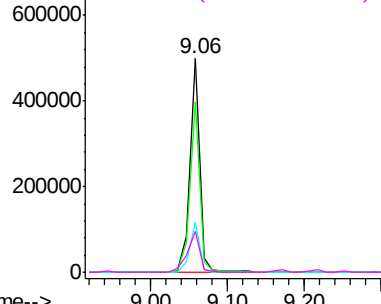
Tot Ion:	216	Resp:	440814
Ion Ratio		Lower	Upper
216	100		
214	79.6	63.5	95.3
179	23.7	18.9	28.3
108	22.8	17.8	26.6

Manual Integrations
APPROVED

sohil
10/20/2016 6:40:27 PM



Abundance Ion 216.00 (215.70 to 216.70): E



#40

Hexachlorocyclopentadiene

Concen: 40.02 ng

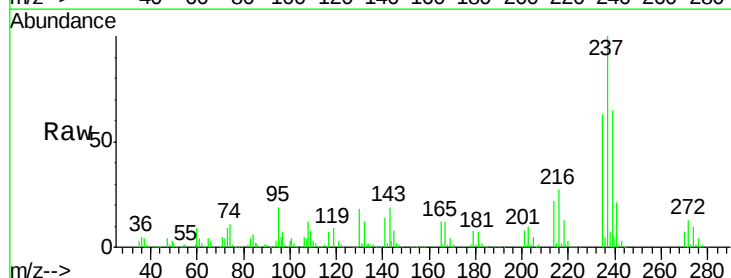
RT: 9.05 min Scan# 587

Delta R.T. -0.00 min

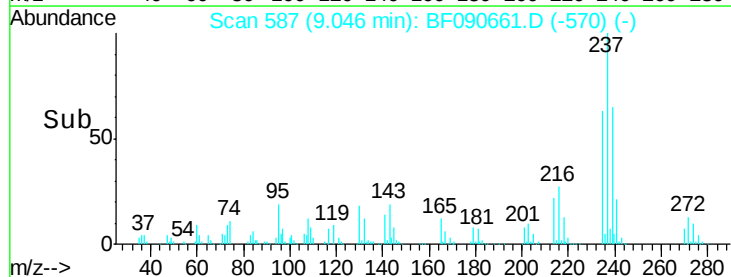
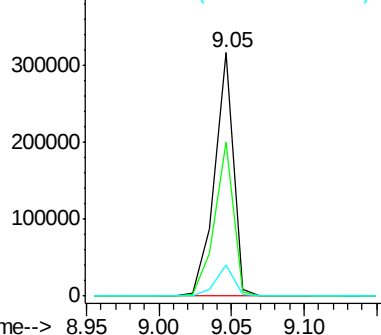
Lab File: BF090661.D

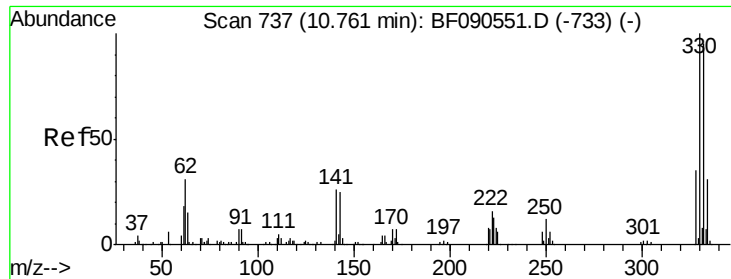
Acq: 19 Oct 2016 21:28

Tgt Ion:	237	Resp:	284721
Ion Ratio		Lower	Upper
237	100		
235	63.1	43.8	83.8
272	12.9	0.0	33.7



Abundance Ion 236.80 (236.50 to 237.50): E





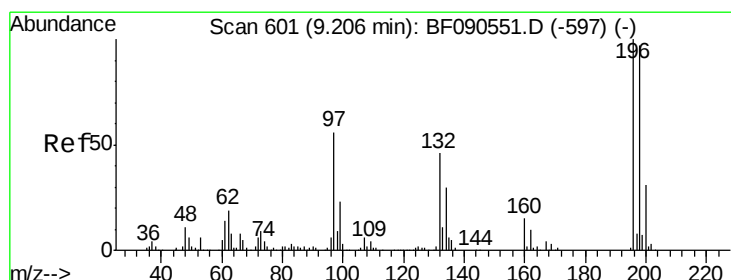
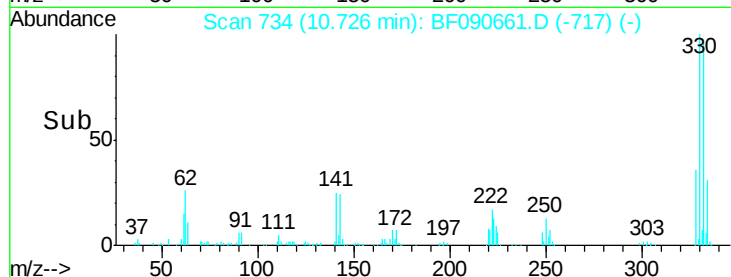
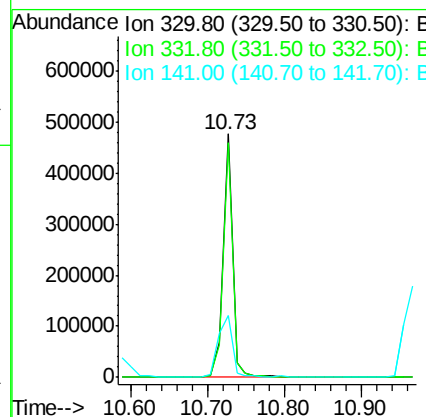
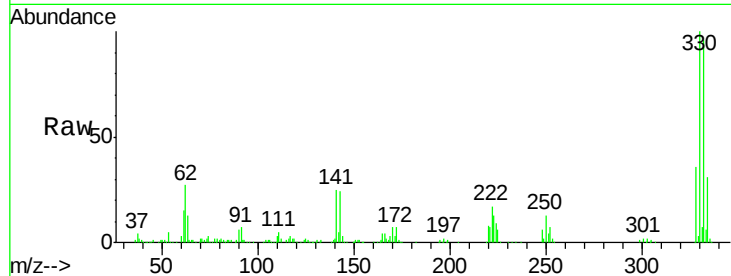
#41
 2,4,6-Tribromophenol
 Concen: 84.37 ng
 RT: 10.73 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Instrument :
 BNA_F
 ClientSampleId :
 101816-03MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	413150		
332	96.0	76.2	114.2	
141	36.8	31.4	47.2	

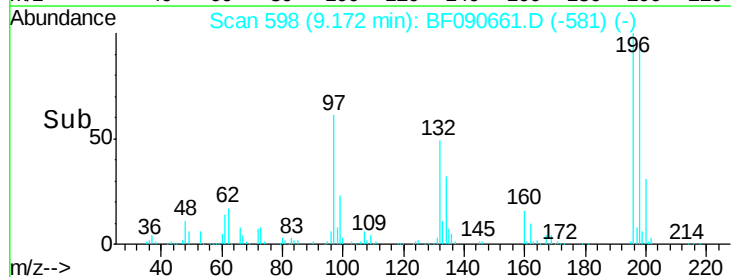
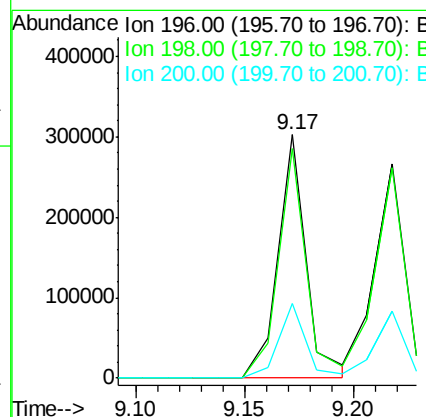
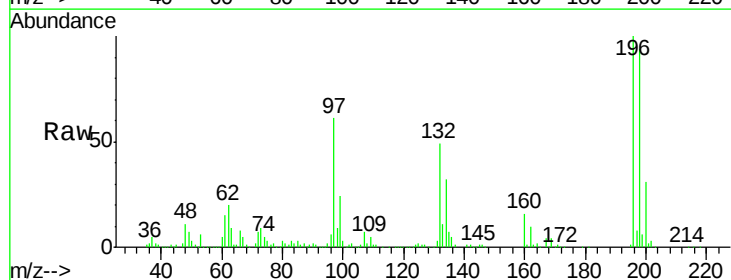
Manual Integrations
 APPROVED

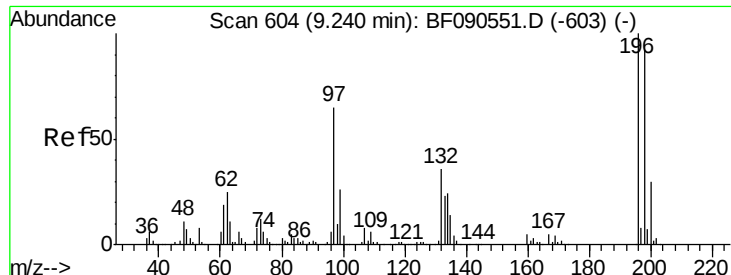
sohil
 10/20/2016 6:40:27 PM



#42
 2,4,6-Trichlorophenol
 Concen: 33.55 ng
 RT: 9.17 min Scan# 598
 Delta R.T. -0.00 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	275600		
198	94.0	77.9	116.9	
200	30.6	25.1	37.7	





#43

2,4,5-Trichlorophenol

Concen: 27.99 ng

RT: 9.22 min Scan# 602

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

ClientSampleId :

101816-03MSD

Tot Ion:196 Resp: 274295

Ion Ratio Lower Upper

196 100

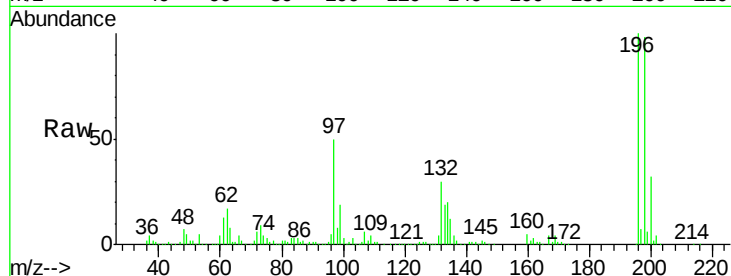
198 98.1 74.0 111.0

97 50.0 54.7 82.1#

132 29.6 30.5 45.7#

Manual Integrations
APPROVED

sohil
10/20/2016 6:40:27 PM

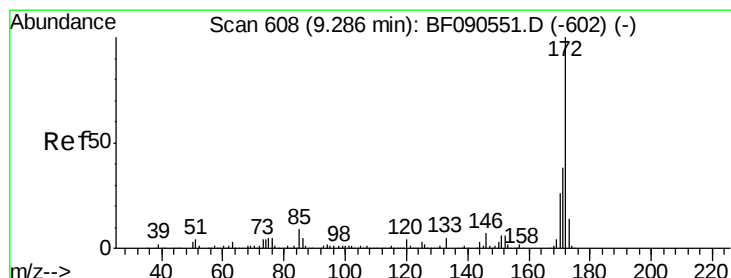
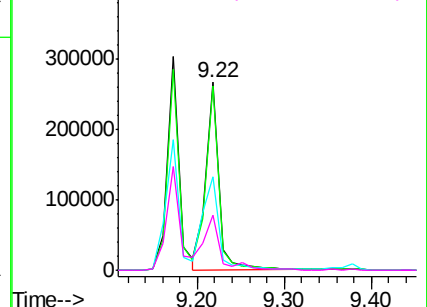
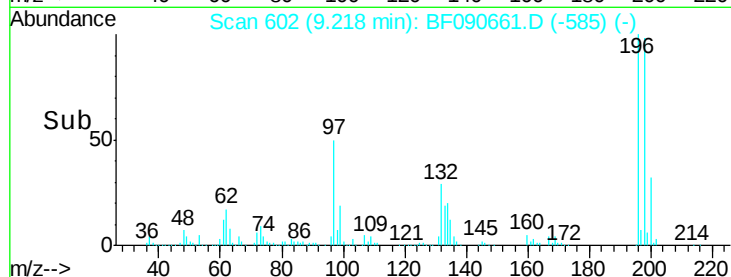


Abundance Ion 196.00 (195.70 to 196.70): E

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: 54.09 ng

RT: 9.25 min Scan# 605

Delta R.T. -0.01 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

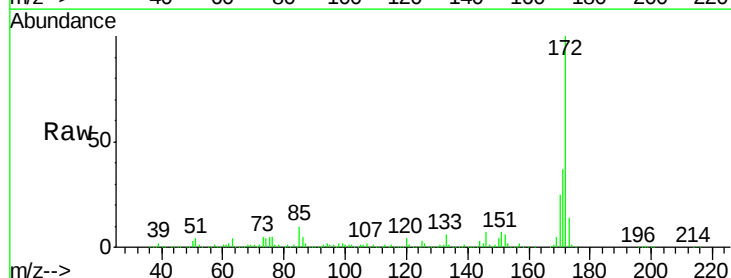
Tgt Ion:172 Resp: 1803206

Ion Ratio Lower Upper

172 100

171 37.0 30.1 45.1

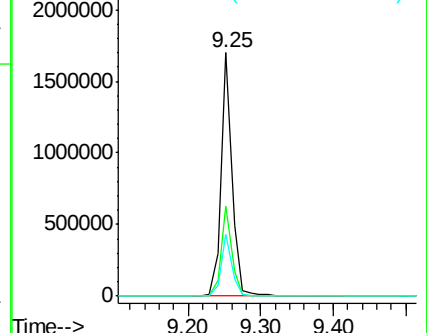
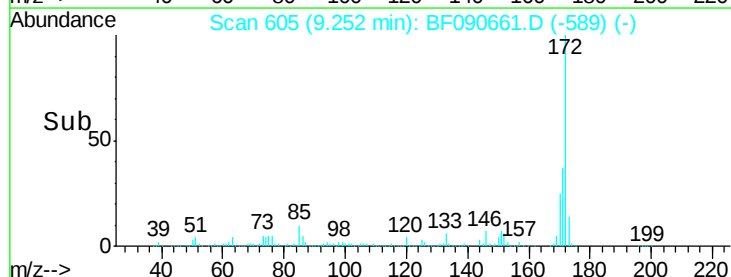
170 25.4 20.6 30.8

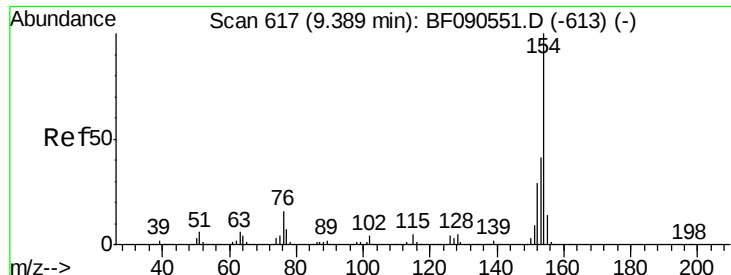


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 29.29 ng

RT: 9.35 min Scan# 614

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

ClientSampleId :

101816-03MSD

Tot Ion:154 Resp: 1224139

Ion Ratio Lower Upper

154 100

153 41.0 21.5 61.5

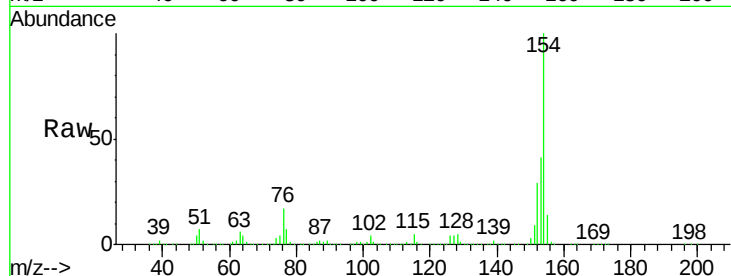
76 16.5 0.0 36.0

Manual Integrations

APPROVED

sohil

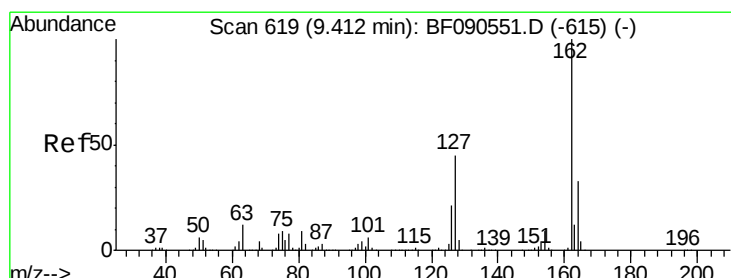
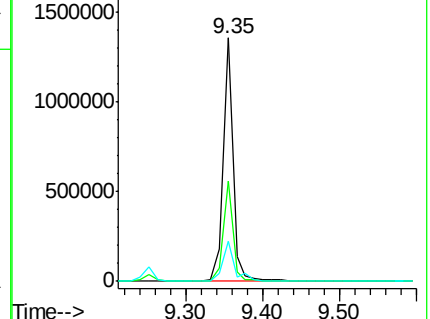
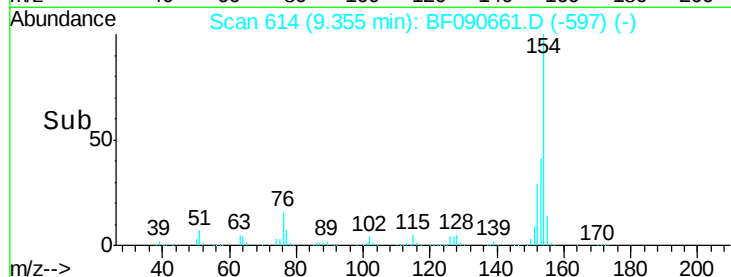
10/20/2016 6:40:27 PM



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): E



#46

2-Chloronaphthalene

Concen: 28.87 ng

RT: 9.38 min Scan# 616

Delta R.T. -0.01 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

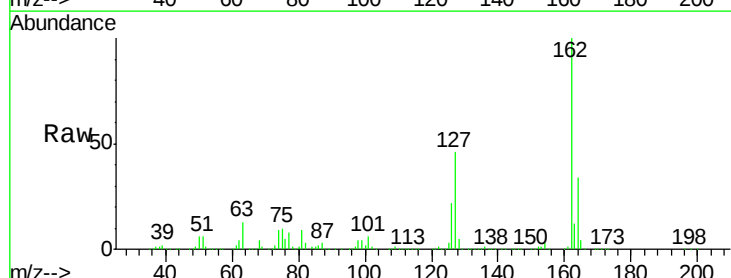
Tgt Ion:162 Resp: 899655

Ion Ratio Lower Upper

162 100

127 45.6 35.9 53.9

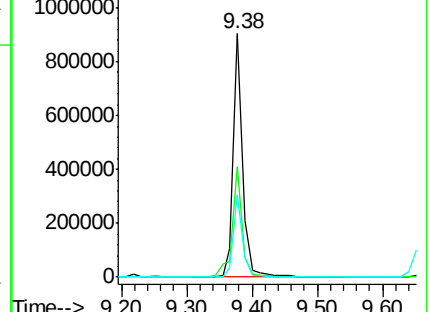
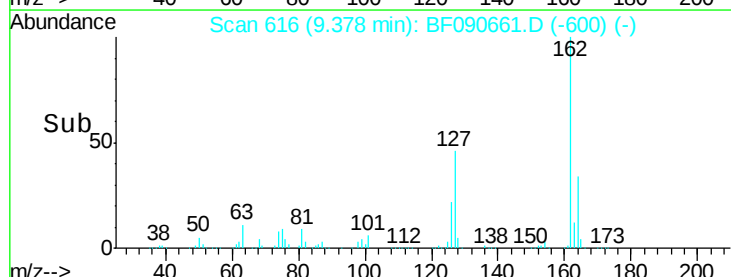
164 33.7 26.7 40.1

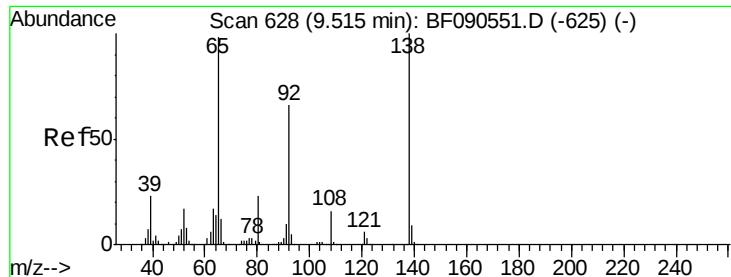


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 31.13 ng

RT: 9.48 min Scan# 625

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

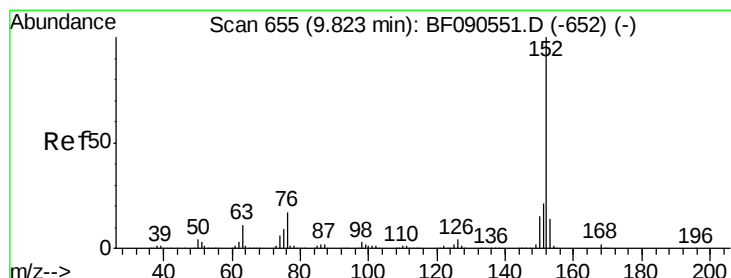
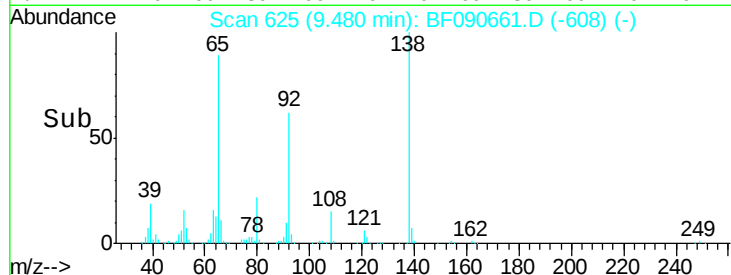
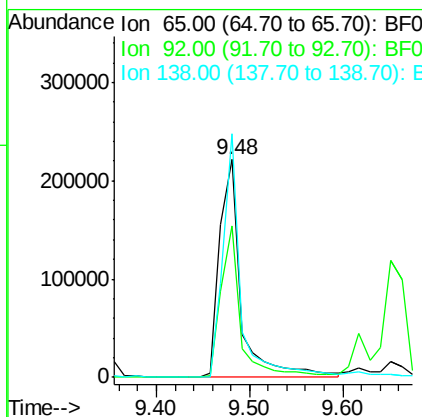
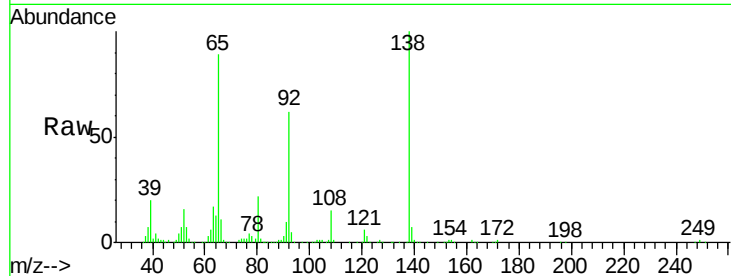
ClientSampleId :

101816-03MSD

Tot Ion:	65	Resp:	351746
Ion Ratio	Lower	Upper	
65	100		
92	69.7	54.3	81.5
138	112.0	81.7	122.5

Manual Integrations
APPROVED

sohil
10/20/2016 6:40:27 PM



#48

Acenaphthylene

Concen: 28.26 ng

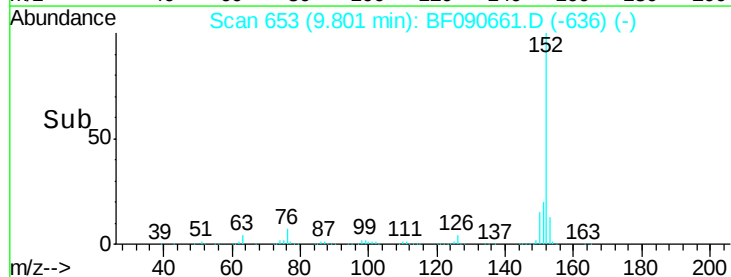
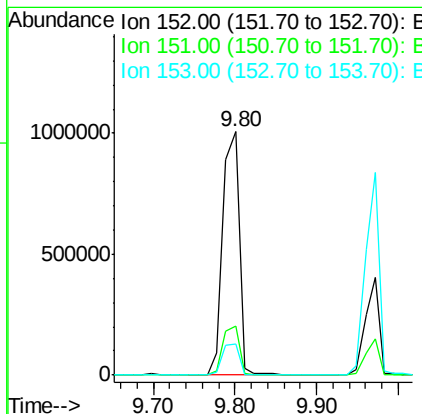
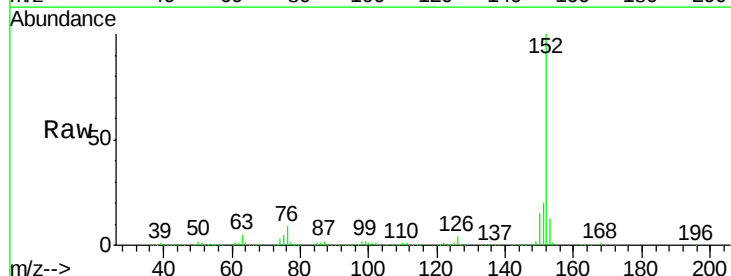
RT: 9.80 min Scan# 653

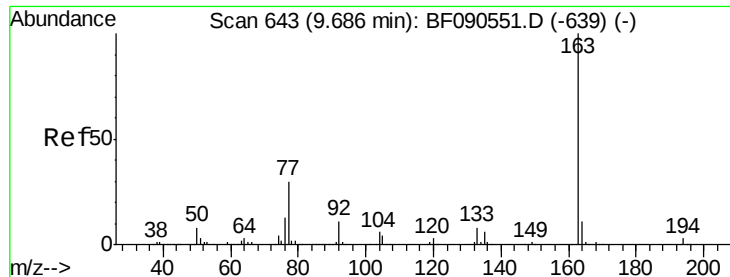
Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Tgt Ion:	152	Resp:	1402437
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.6	25.0
153	13.0	11.3	16.9





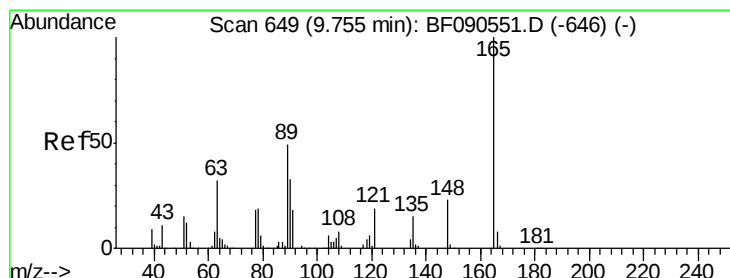
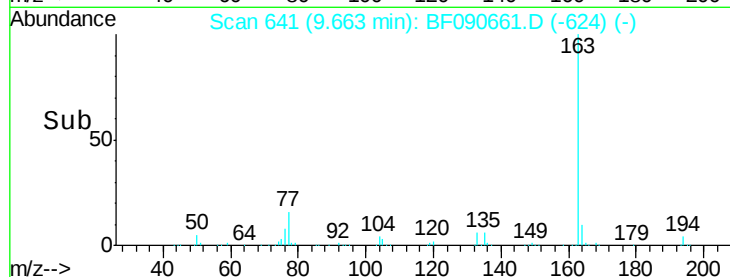
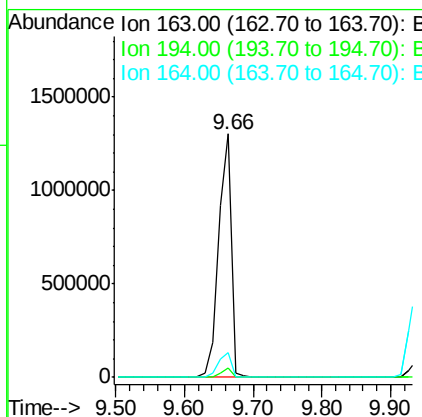
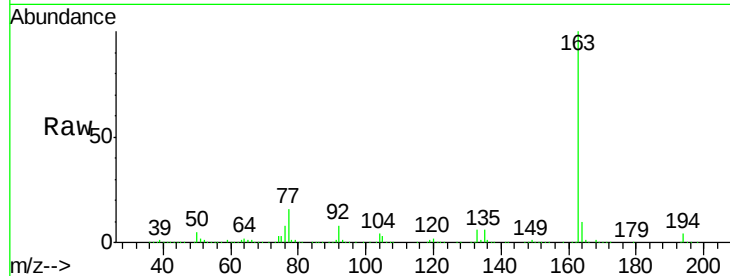
#49
Dimethylphthalate
Concen: 47.85 ng
RT: 9.66 min Scan# 641
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Instrument :
BNA_F
ClientSampleId :
101816-03MSD

Tot Ion:163 Resp: 1705447
Ion Ratio Lower Upper
163 100
194 3.9 2.3 3.5#
164 10.2 8.6 13.0

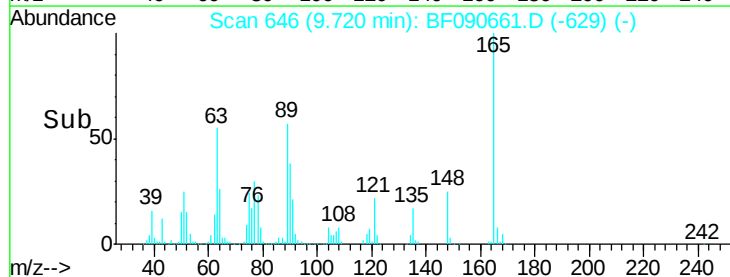
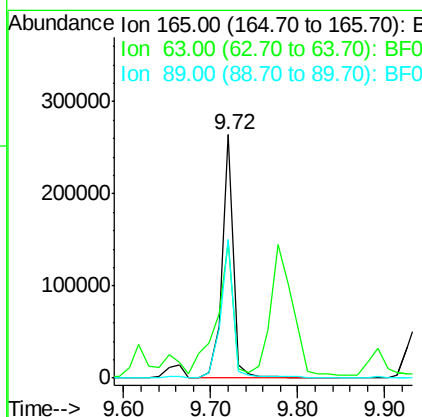
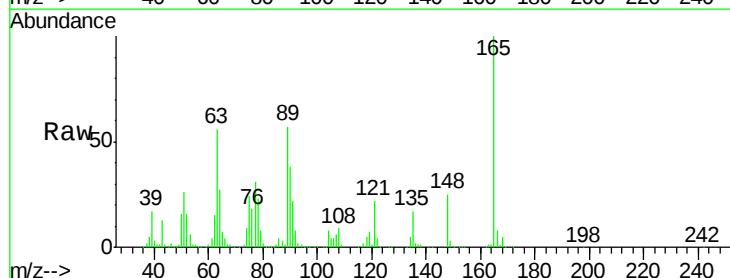
Manual Integrations
APPROVED

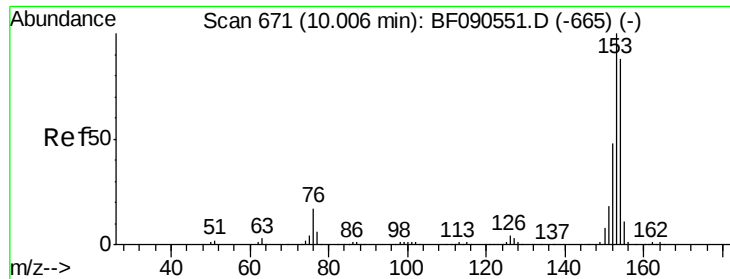
sohil
10/20/2016 6:40:27 PM



#50
2,6-Dinitrotoluene
Concen: 31.24 ng
RT: 9.72 min Scan# 646
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Tgt Ion:165 Resp: 243615
Ion Ratio Lower Upper
165 100
63 55.9 40.1 60.1
89 57.1 39.5 59.3





#51

Acenaphthene

Concen: 26.48 ng

RT: 9.97 min Scan# 668

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

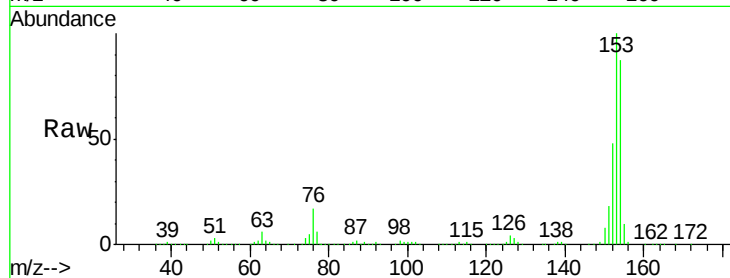
ClientSampleId :

101816-03MSD

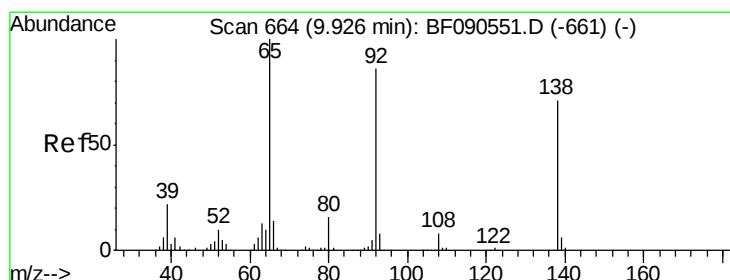
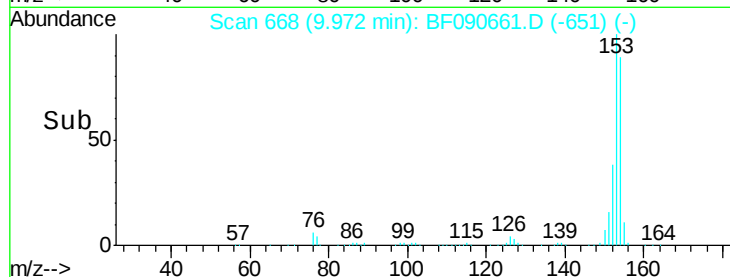
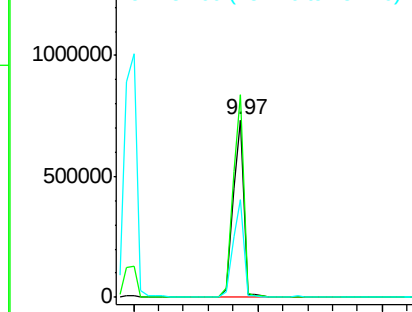
Tot Ion:	154	Resp:	873503
Ion Ratio	Lower	Upper	
154	100		
153	114.3	91.2	136.8
152	54.7	44.0	66.0

Manual Integrations
APPROVED

sohil
10/20/2016 6:40:27 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: 24.06 ng

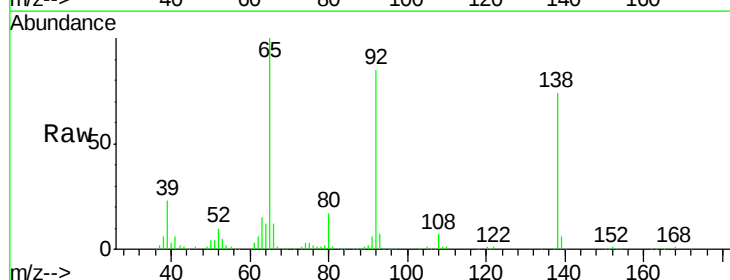
RT: 9.89 min Scan# 661

Delta R.T. -0.00 min

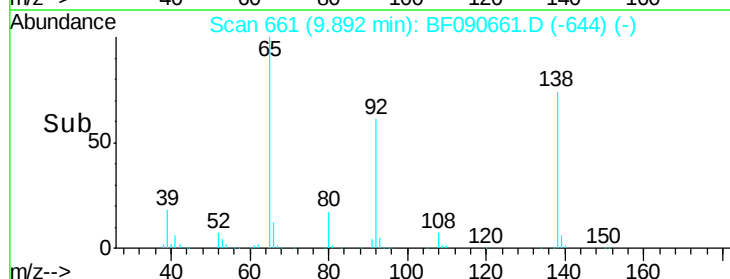
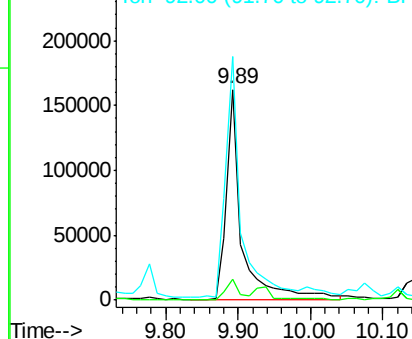
Lab File: BF090661.D

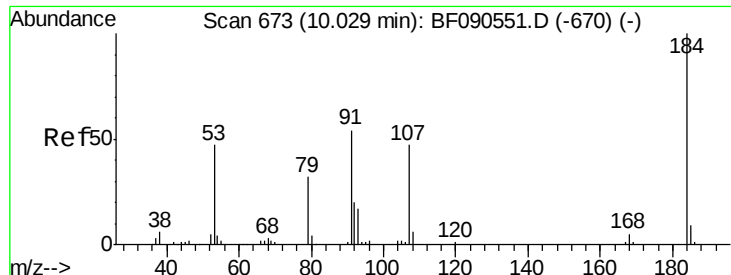
Acq: 19 Oct 2016 21:28

Tgt Ion:	138	Resp:	235456
Ion Ratio	Lower	Upper	
138	100		
108	10.2	8.6	12.8
92	115.5	97.8	146.8



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





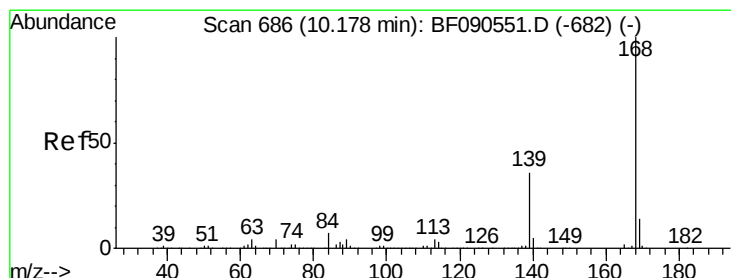
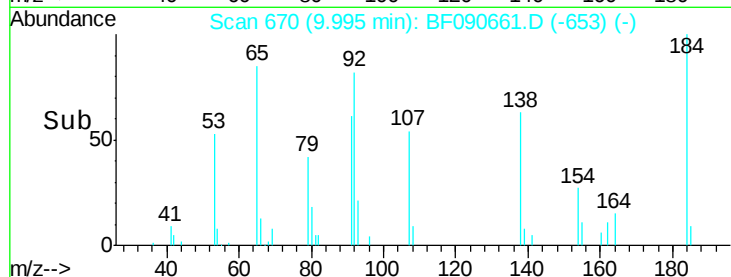
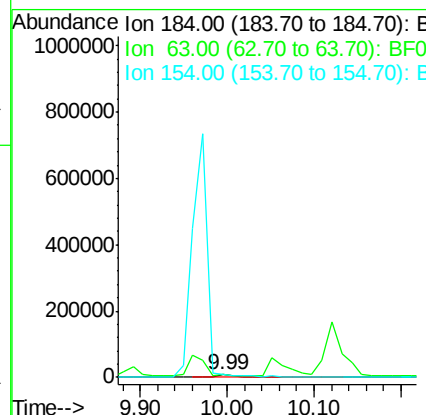
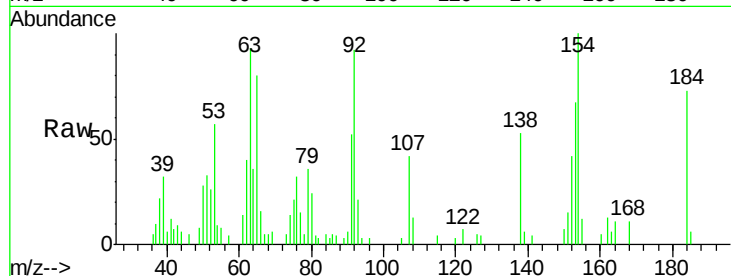
#53
 2,4-Dinitrophenol
 Concen: 9.49 ng
 RT: 9.99 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Instrument :
 BNA_F
 ClientSampleId :
 101816-03MSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100	17394		
63	128.7	60.2	90.2#	
154	137.7	86.1	129.1#	

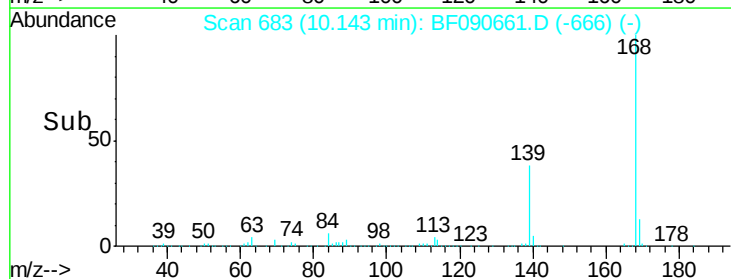
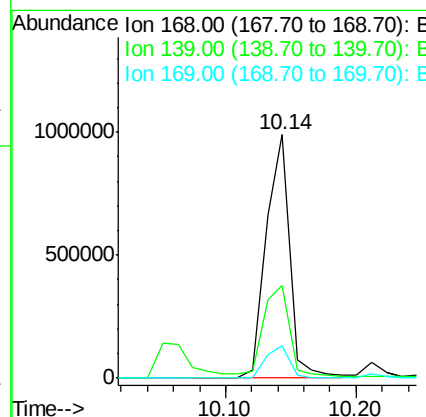
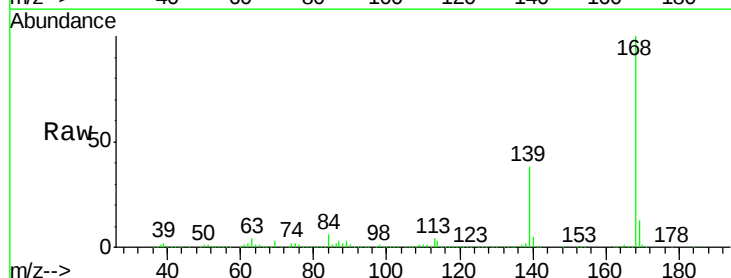
Manual Integrations
 APPROVED

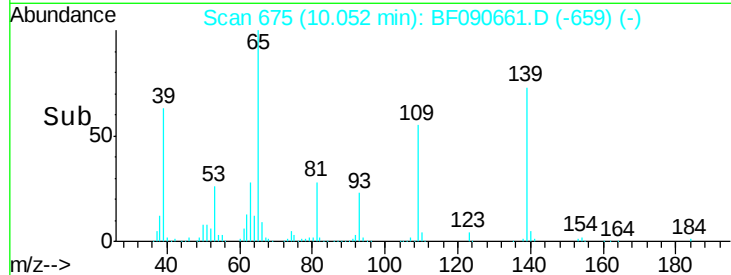
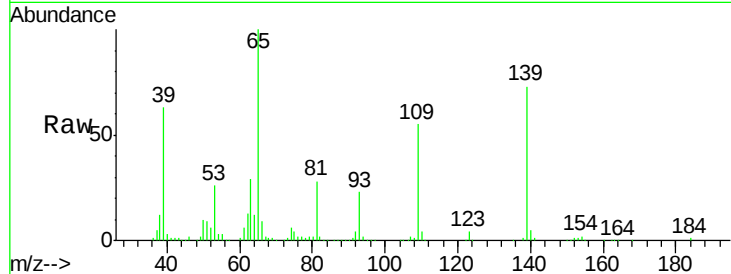
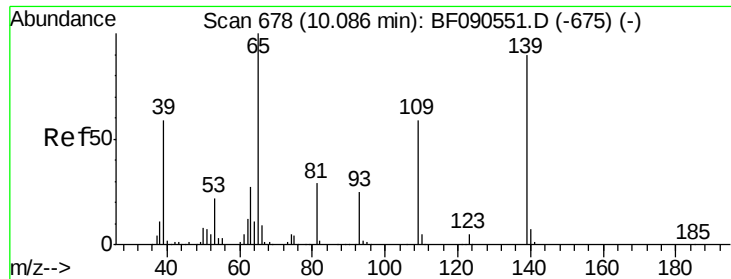
sohil
 10/20/2016 6:40:27 PM



#54
 Dibenzofuran
 Concen: 28.61 ng
 RT: 10.14 min Scan# 683
 Delta R.T. -0.00 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1241288		
139	37.8	30.5	45.7	
169	13.5	10.9	16.3	





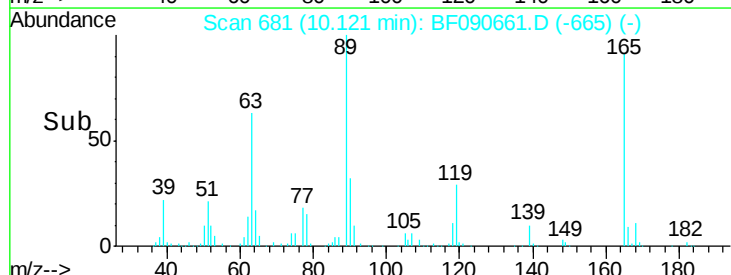
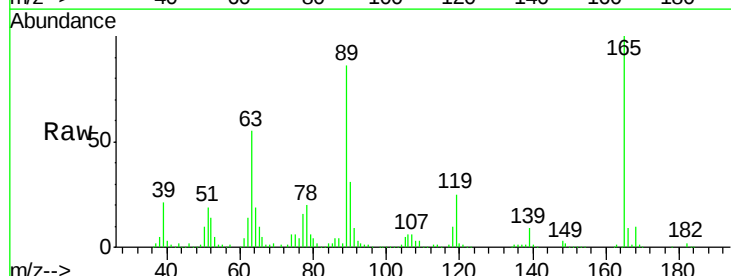
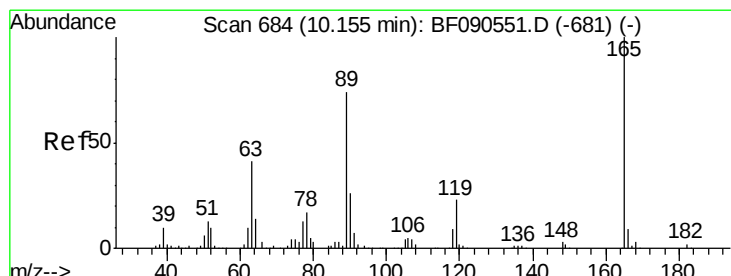
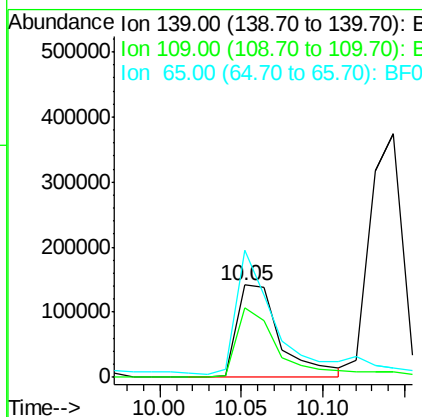
#55
4-Nitrophenol
Concen: 44.49 ng
RT: 10.05 min Scan# 675
Delta R.T. -0.01 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Tot Ion	Ratio	Resp	Lower	Upper
139	100	261987		
109	75.5	45.9	85.9	
65	137.9	95.8	135.8	

Instrument :
BNA_F
ClientSampleId :
101816-03MSD

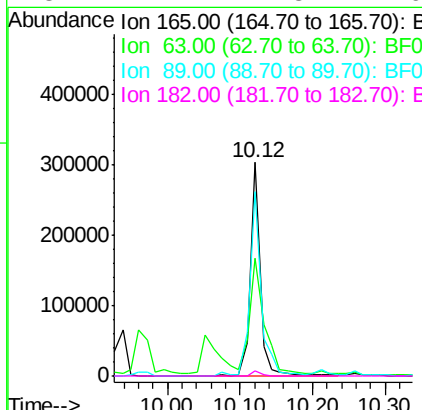
Manual Integrations
APPROVED

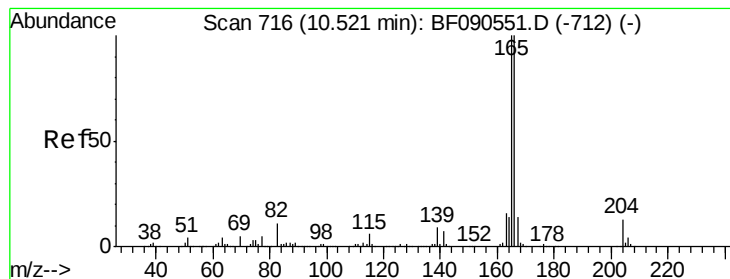
sohil
10/20/2016 6:40:27 PM



#56
2,4-Dinitrotoluene
Concen: 27.61 ng
RT: 10.12 min Scan# 681
Delta R.T. -0.01 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	292440		
63	55.4	35.4	53.0	
89	86.4	59.0	88.4	
182	2.1	1.8	2.6	





#57

Fluorene

Concen: 27.90 ng

RT: 10.49 min Scan# 713

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

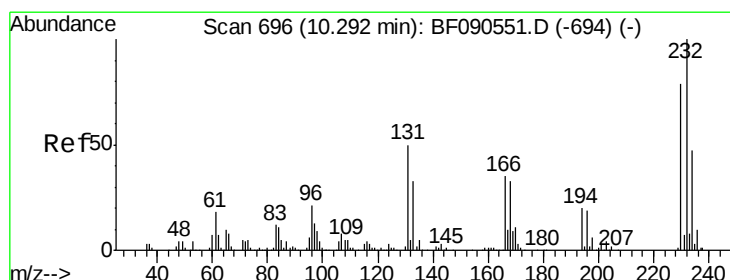
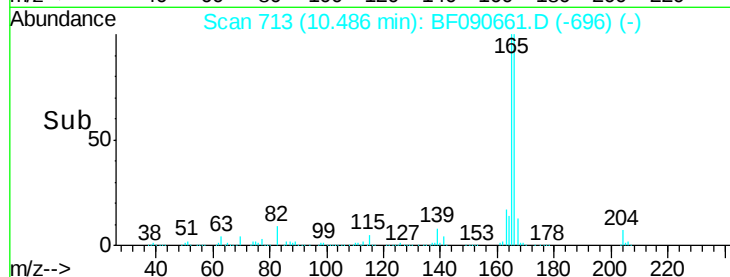
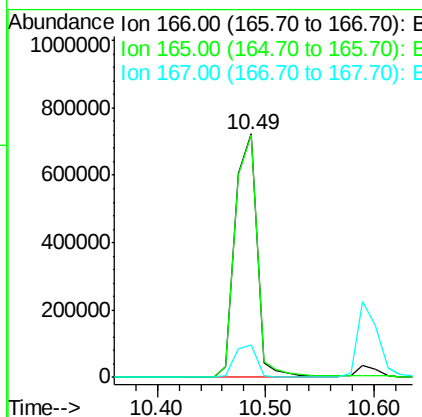
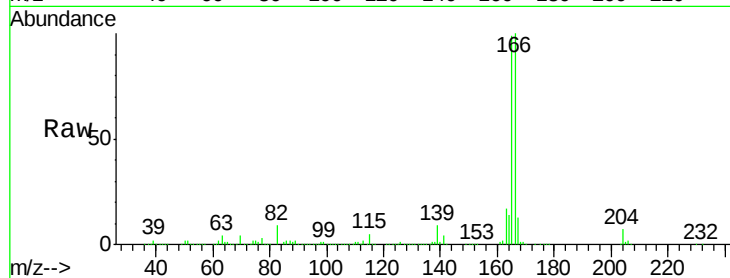
ClientSampleId :

101816-03MSD

Tot Ion:	166	Resp:	998660
Ion Ratio	Lower	Upper	
166	100		
165	99.5	79.9	119.9
167	13.2	10.9	16.3

Manual Integrations
APPROVED

sohil
10/20/2016 6:40:27 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 25.27 ng

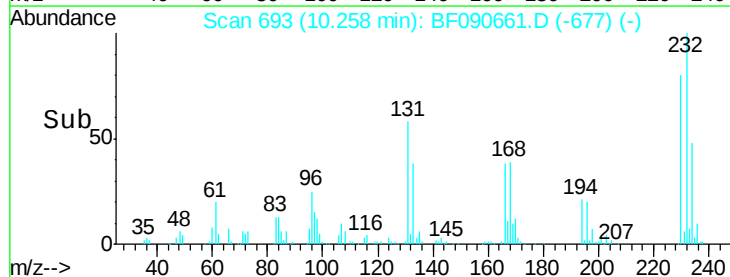
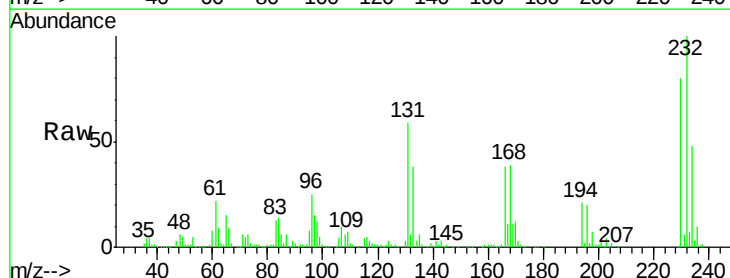
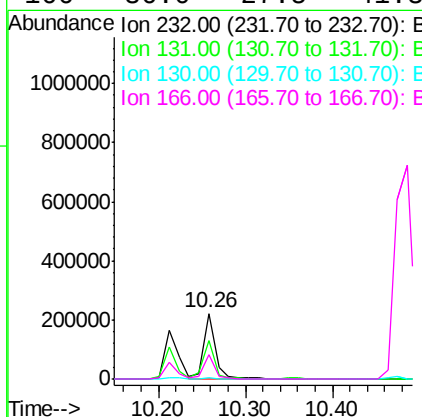
RT: 10.26 min Scan# 693

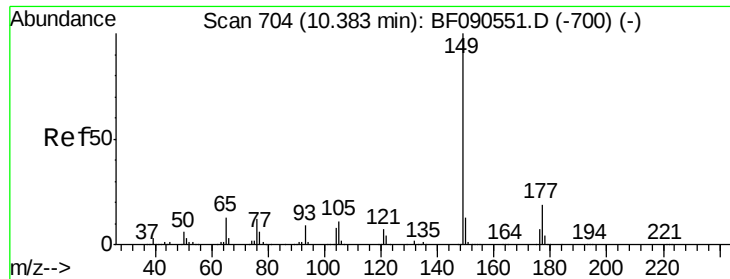
Delta R.T. -0.01 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Tgt Ion:	232	Resp:	206247
Ion Ratio	Lower	Upper	
232	100		
131	58.9	42.6	64.0
130	2.7	1.8	2.8
166	36.0	27.5	41.3





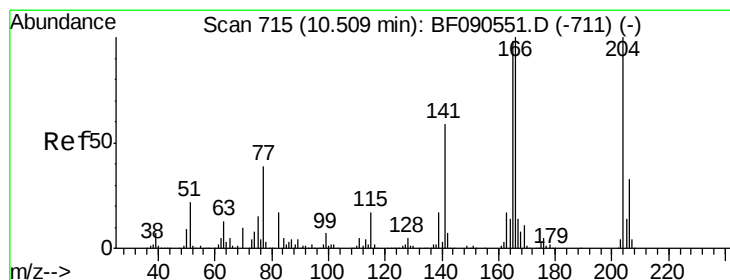
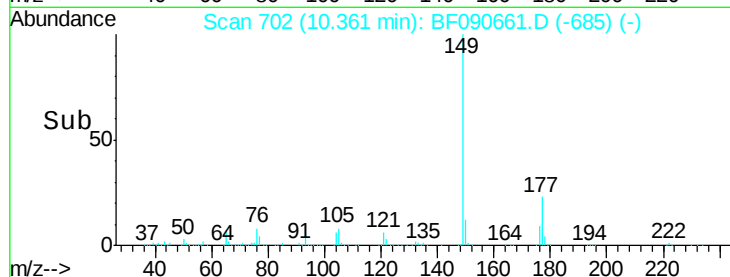
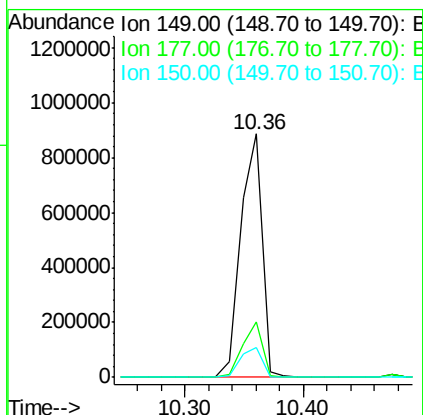
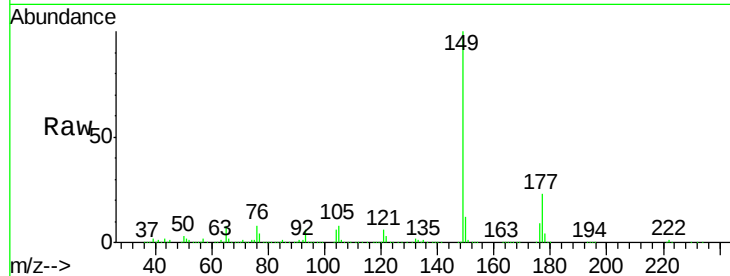
#59
Diethylphthalate
Concen: 31.08 ng
RT: 10.36 min Scan# 702
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Instrument :
BNA_F
ClientSampleId :
101816-03MSD

Tot Ion	Ratio	Lower	Upper
149	100		
177	22.8	15.3	22.9
150	12.3	10.3	15.5

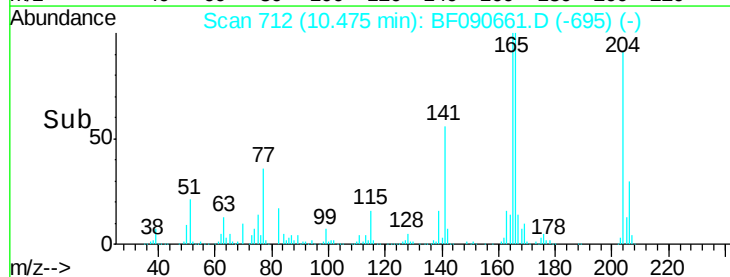
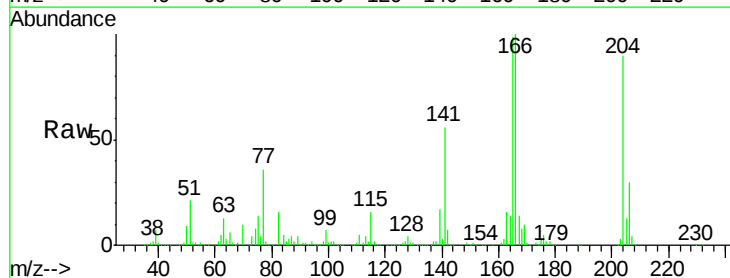
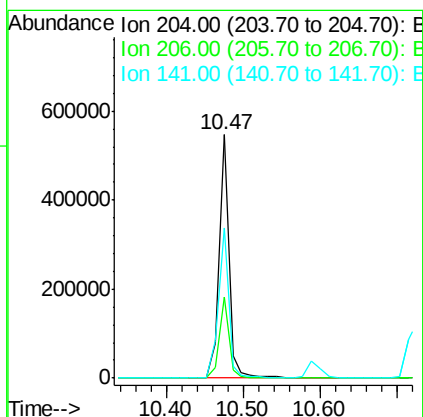
Manual Integrations
APPROVED

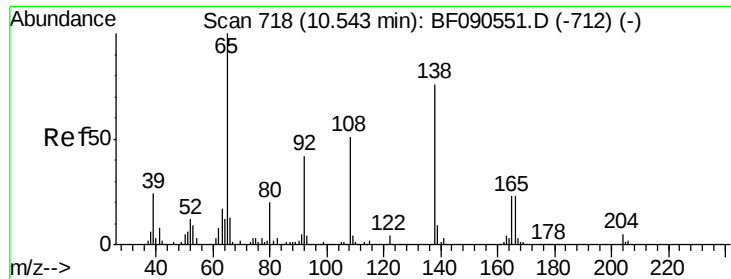
sohil
10/20/2016 6:40:27 PM



#60
4-Chlorophenyl-phenylether
Concen: 28.85 ng
RT: 10.47 min Scan# 712
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.5	39.7
141	61.5	47.2	70.8





#61

4-Nitroaniline

Concen: 24.19 ng

RT: 10.51 min Scan# 715

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

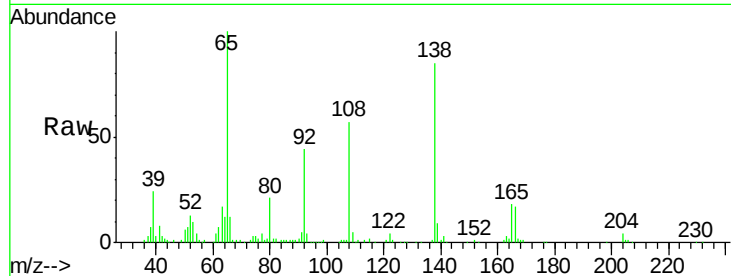
ClientSampleId :

101816-03MSD

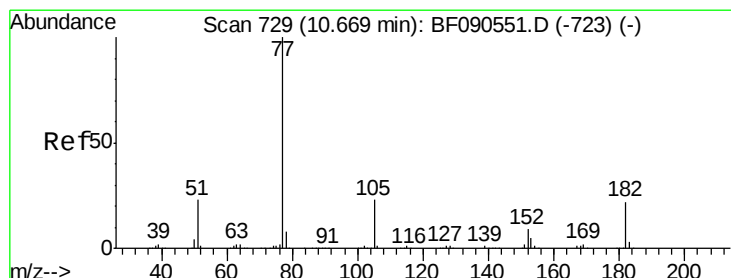
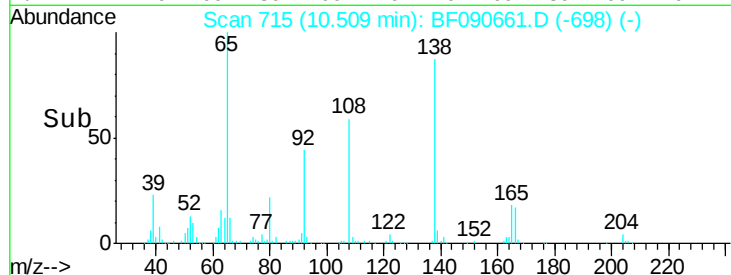
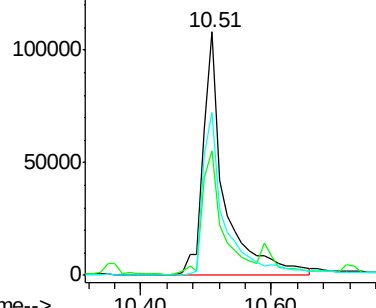
Tot Ion:	138	Resp:	237400
Ion Ratio	Lower	Upper	
138	100		
92	51.3	35.7	75.7
108	66.9	46.9	86.9

Manual Integrations
APPROVED

sohil
10/20/2016 6:40:27 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: 32.28 ng

RT: 10.63 min Scan# 726

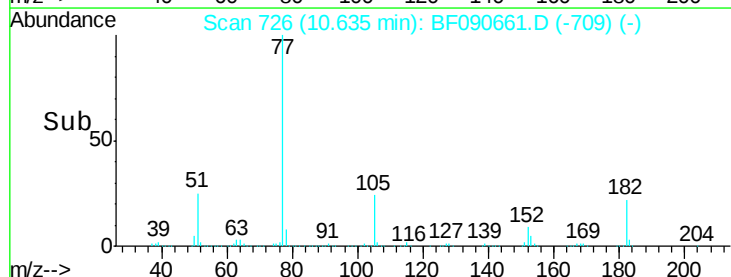
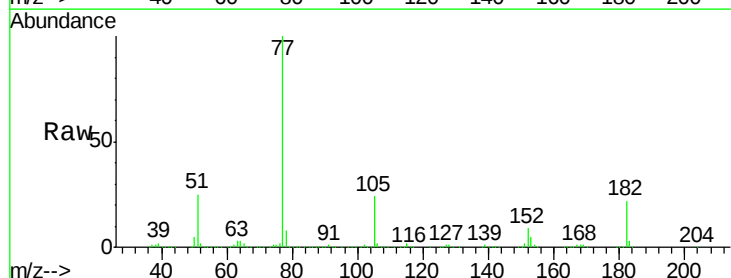
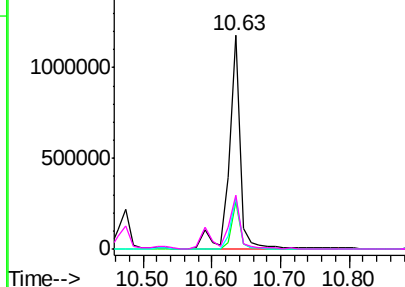
Delta R.T. -0.00 min

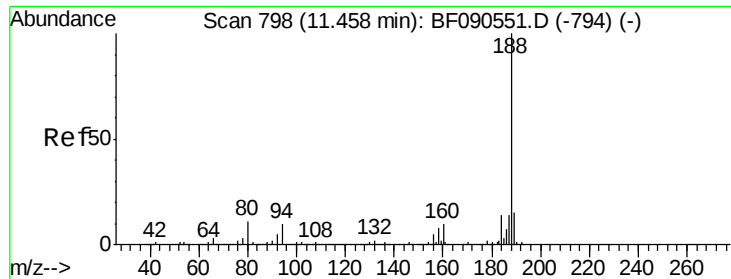
Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Tgt Ion:	77	Resp:	1349449
Ion Ratio	Lower	Upper	
77	100		
182	22.2	2.2	42.2
105	23.9	3.5	43.5
51	25.4	3.7	43.7

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





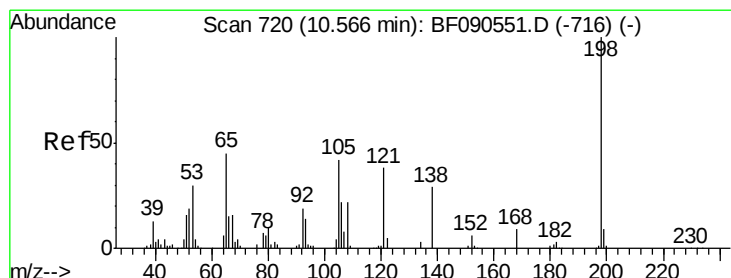
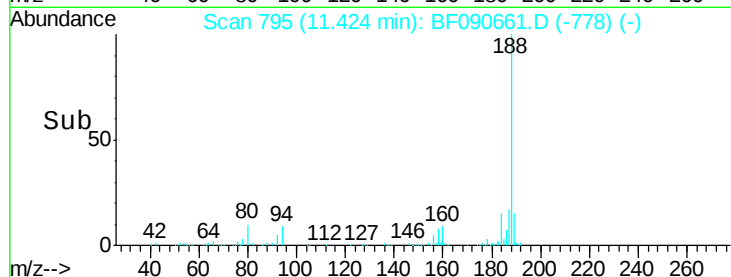
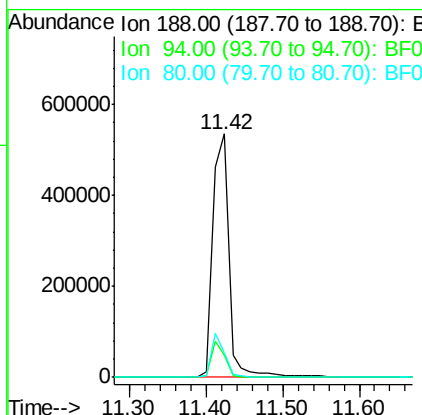
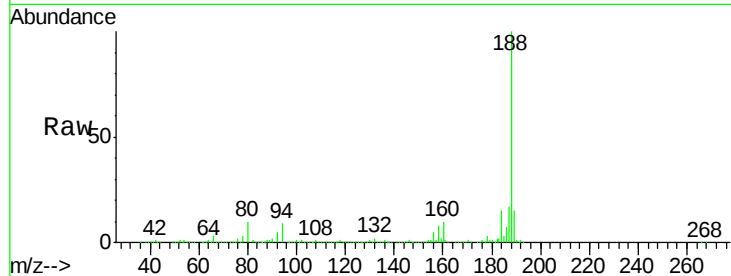
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Instrument :
BNA_F
ClientSampleId :
101816-03MSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100	778583		
94	9.2		7.7	11.5
80	10.3		8.6	12.8

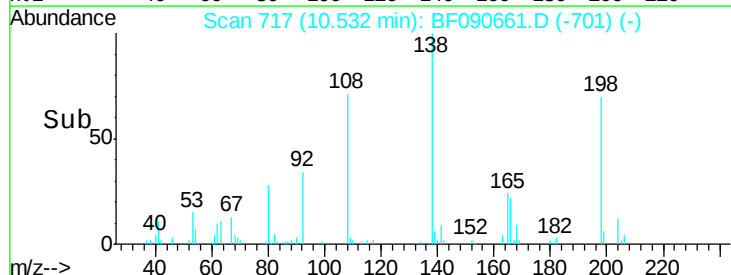
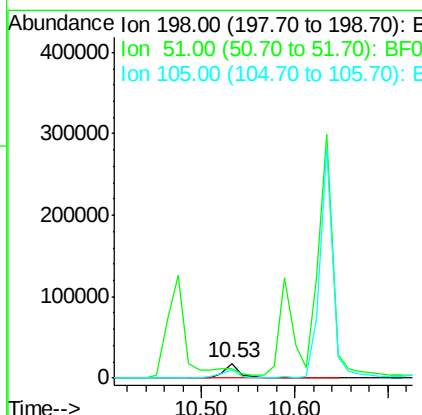
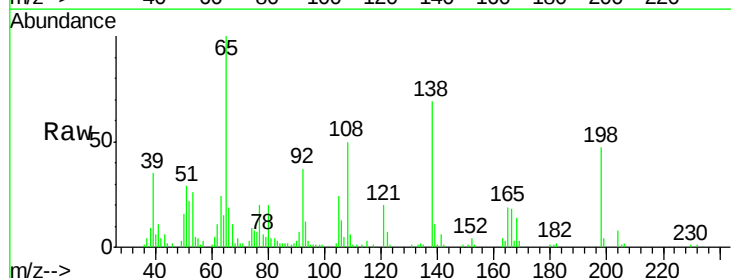
Manual Integrations
APPROVED

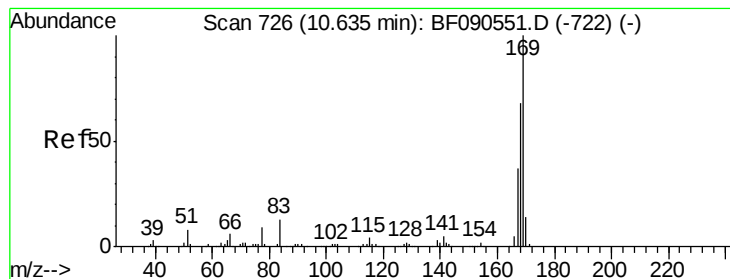
sohil
10/20/2016 6:40:27 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 4.78 ng
RT: 10.53 min Scan# 717
Delta R.T. -0.01 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	22516		
51	62.0		19.7	59.7#
105	50.9		22.6	62.6





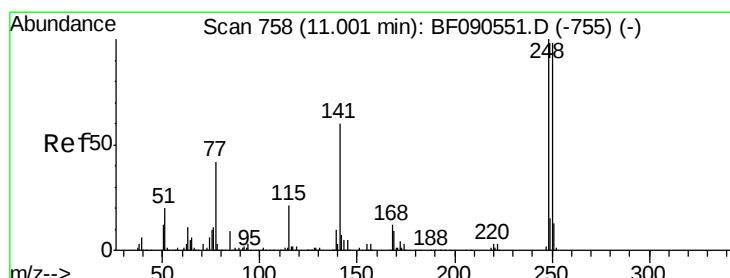
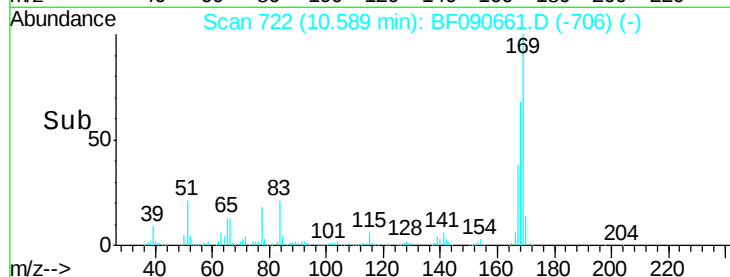
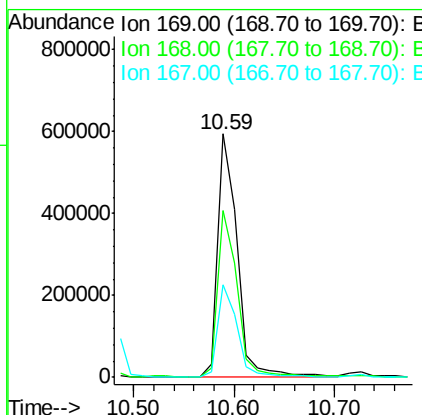
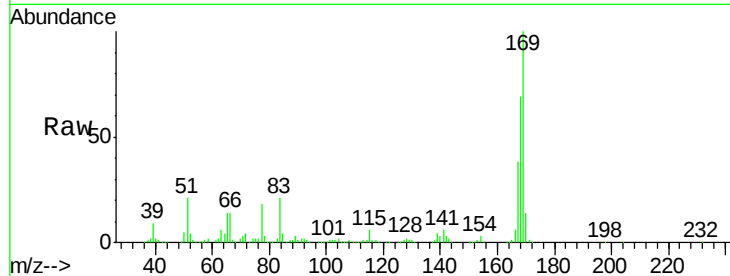
#65
n-Nitrosodiphenylamine
Concen: 31.27 ng
RT: 10.59 min Scan# 722
Delta R.T. -0.01 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Instrument :
BNA_F
ClientSampleId :
101816-03MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
804184	169	100			
	168	68.5	54.6	81.8	
	167	37.8	29.8	44.8	

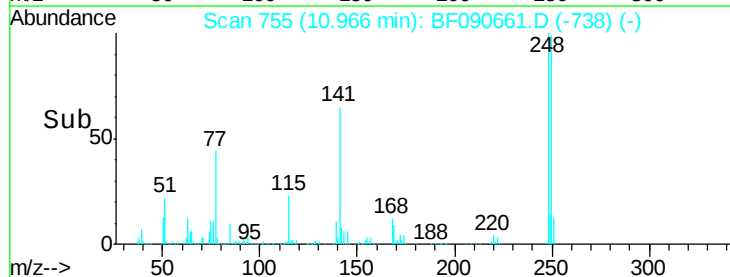
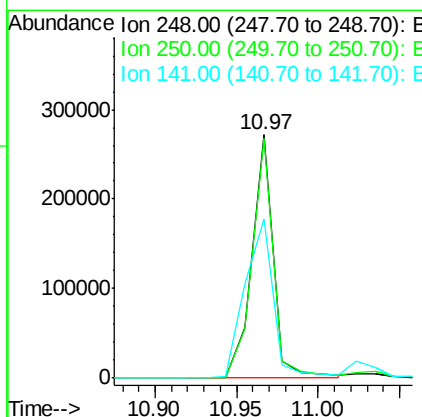
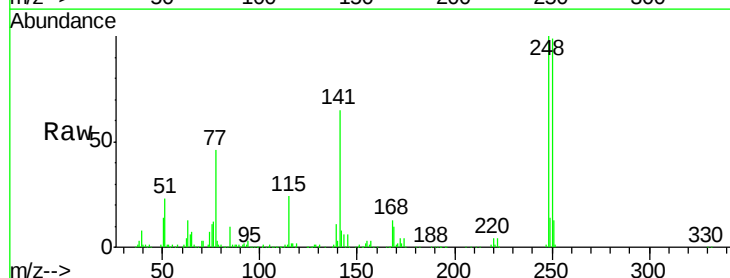
Manual Integrations
APPROVED

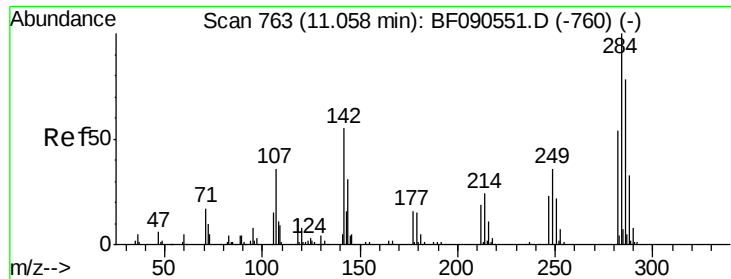
sohil
10/20/2016 6:40:27 PM



#66
4-Bromophenyl-phenylether
Concen: 29.77 ng
RT: 10.97 min Scan# 755
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
248667	248	100			
	250	98.7	78.4	117.6	
	141	65.3	48.4	72.6	





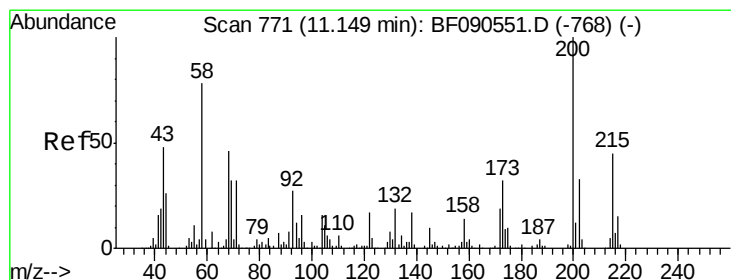
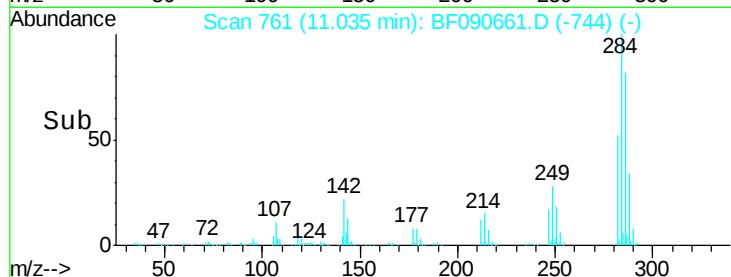
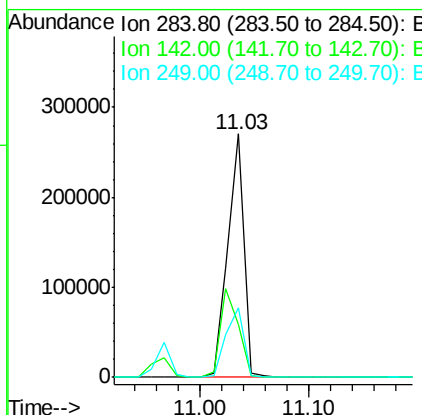
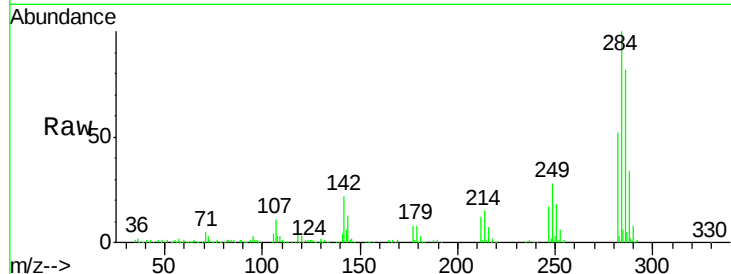
#67
Hexachlorobenzene
Concen: 30.61 ng
RT: 11.03 min Scan# 761
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Instrument :
BNA_F
ClientSampleId :
101816-03MSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100	277617		
142	21.7	44.5	66.7#	
249	28.3	29.6	44.4#	

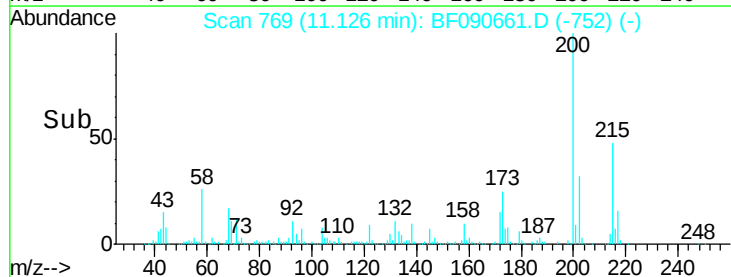
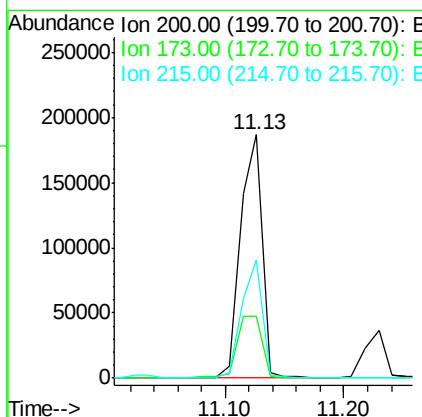
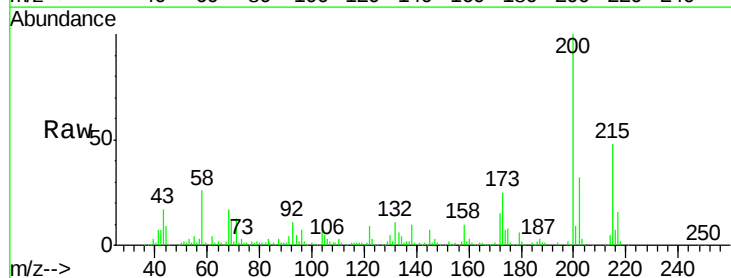
Manual Integrations
APPROVED

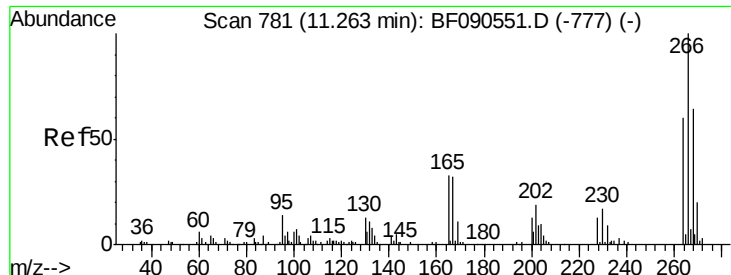
sohil
10/20/2016 6:40:27 PM



#68
Atrazine
Concen: 33.56 ng
RT: 11.13 min Scan# 769
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	238698		
173	25.3	12.0	52.0	
215	48.3	25.2	65.2	





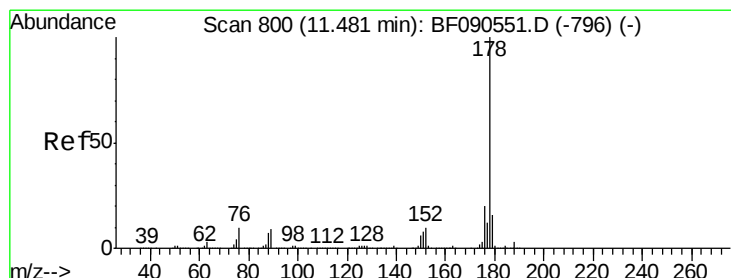
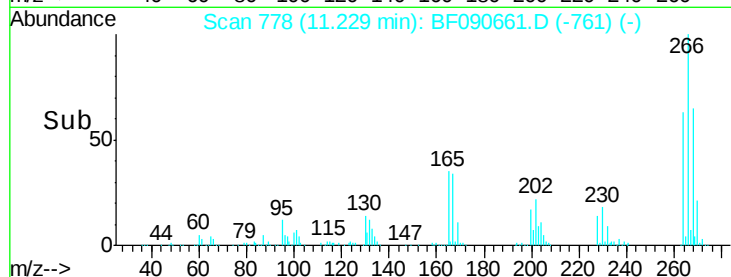
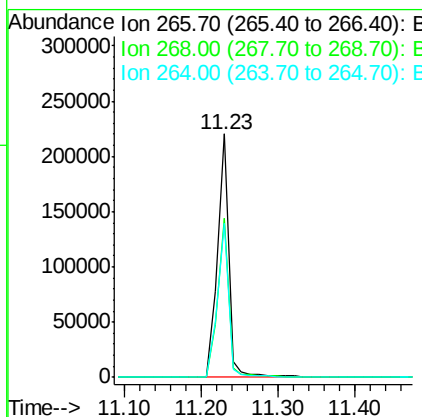
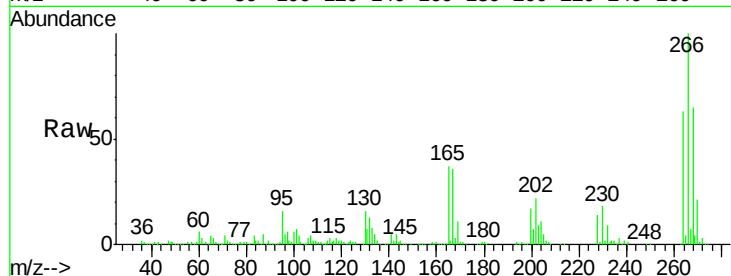
#69
 Pentachlorophenol
 Concen: 50.70 ng
 RT: 11.23 min Scan# 778
 Delta R.T. -0.00 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Instrument :
 BNA_F
 ClientSampleId :
 101816-03MSD

Tot Ion	Ratio	Lower	Upper
266	100		
268	65.2	51.5	77.3
264	63.3	47.9	71.9

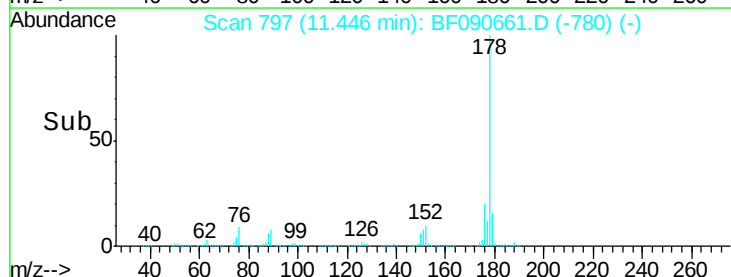
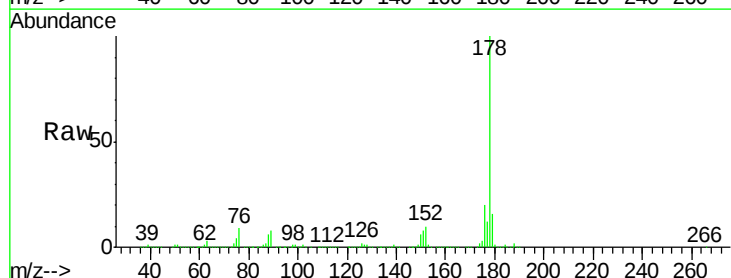
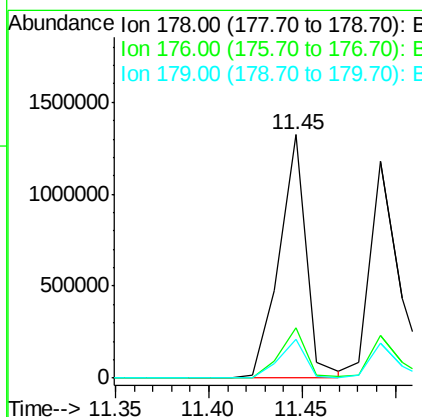
Manual Integrations
 APPROVED

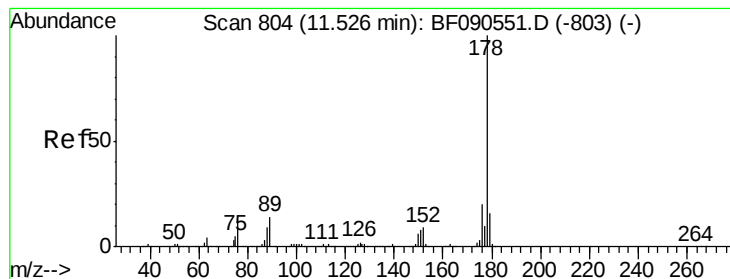
sohil
 10/20/2016 6:40:27 PM



#70
 Phenanthrene
 Concen: 31.91 ng
 RT: 11.45 min Scan# 797
 Delta R.T. -0.00 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.1	24.1
179	16.0	12.6	19.0





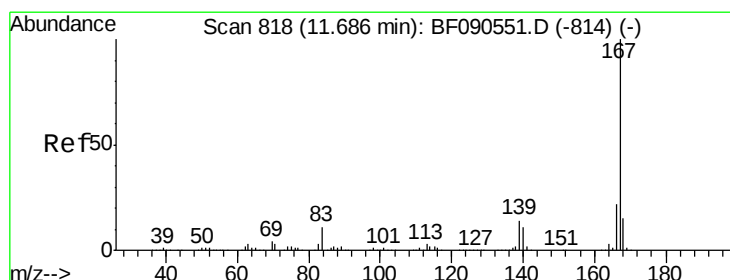
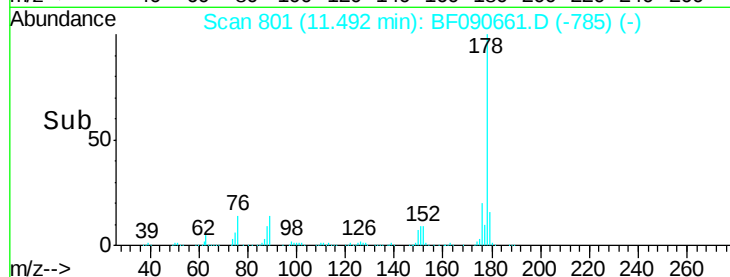
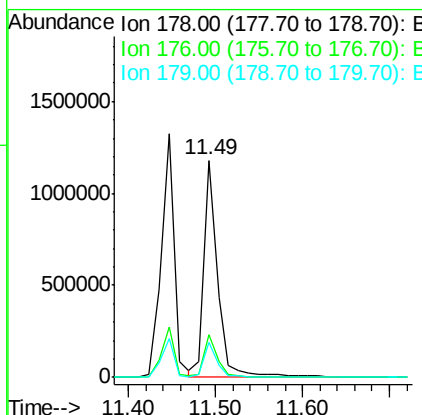
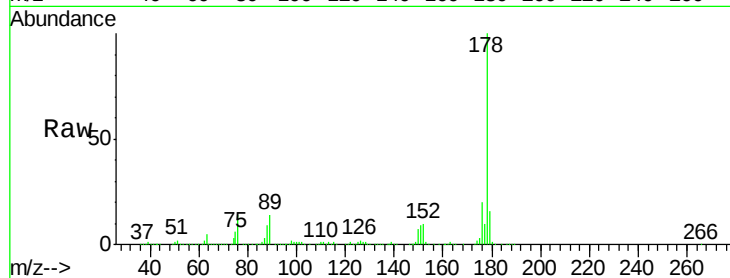
#71
 Anthracene
 Concen: 28.83 ng
 RT: 11.49 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Instrument :
 BNA_F
 ClientSampleId :
 101816-03MSD

Tot Ion:178 Resp: 1289624
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.5 23.3
 179 16.2 13.0 19.4

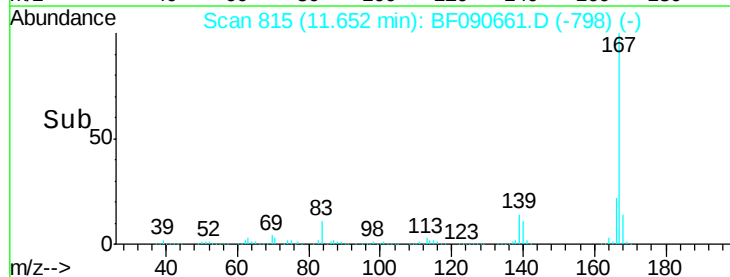
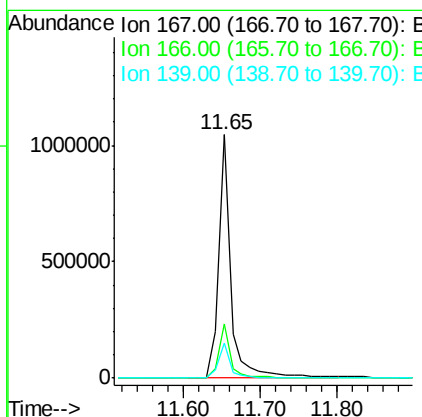
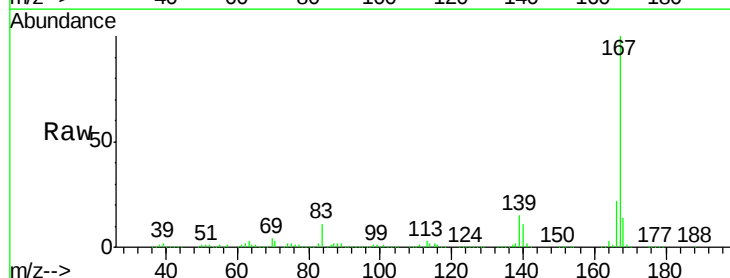
Manual Integrations
 APPROVED

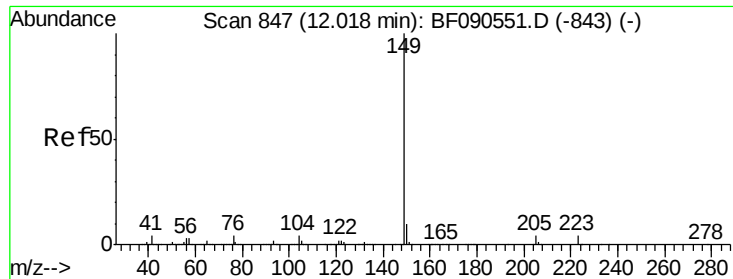
sohil
 10/20/2016 6:40:27 PM



#72
 Carbazole
 Concen: 29.10 ng
 RT: 11.65 min Scan# 815
 Delta R.T. -0.00 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Tgt Ion:167 Resp: 1165234
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.8 26.8
 139 14.5 11.3 16.9





#73

Di-n-butylphthalate

Concen: 34.82 ng

RT: 11.98 min Scan# 844

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

ClientSampleId :

101816-03MSD

Tot Ion:149 Resp: 1633366

Ion Ratio Lower Upper

149 100

150 9.8 7.8 11.6

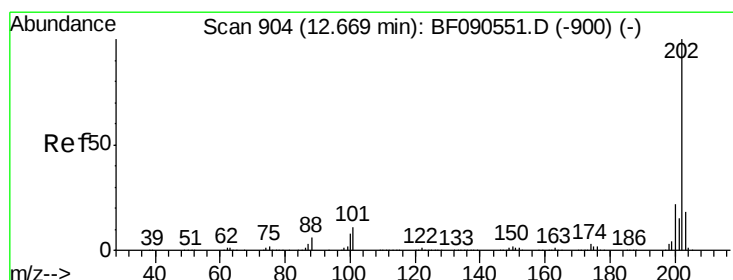
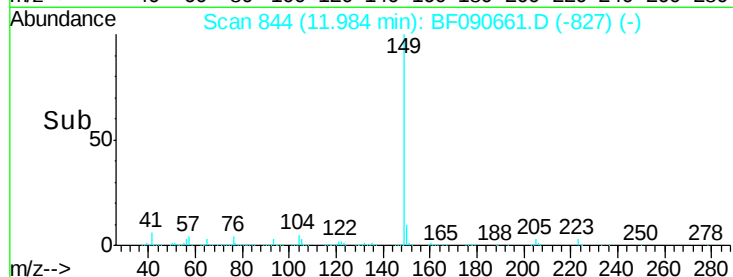
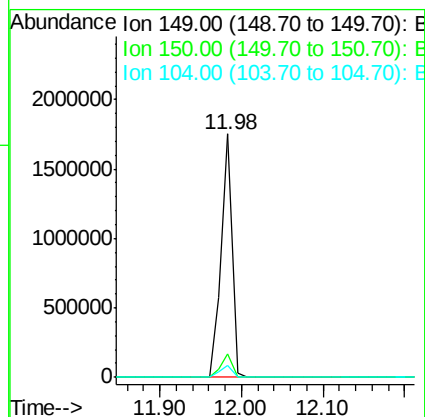
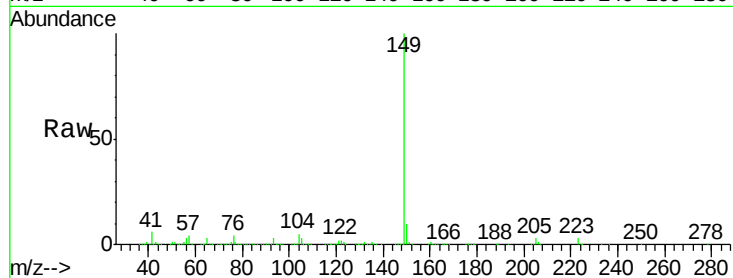
104 4.7 3.3 4.9

Manual Integrations

APPROVED

sohil

10/20/2016 6:40:27 PM



#74

Fluoranthene

Concen: 26.25 ng

RT: 12.64 min Scan# 901

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

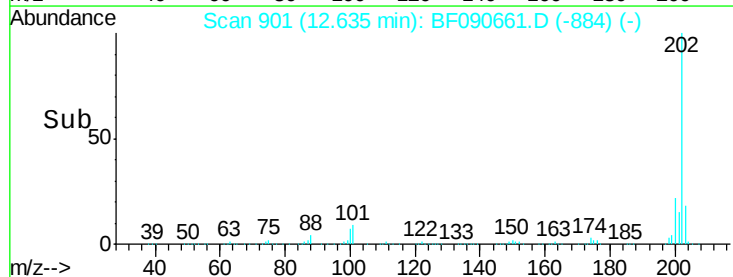
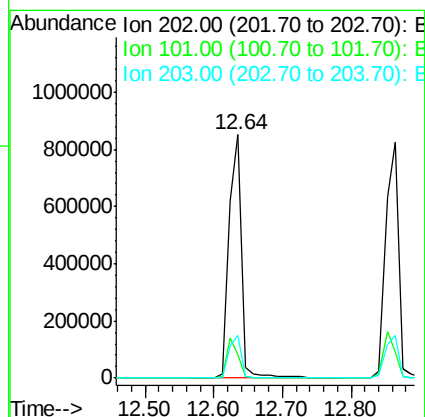
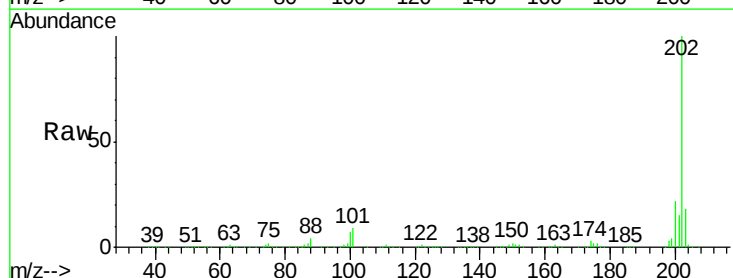
Tgt Ion:202 Resp: 1097168

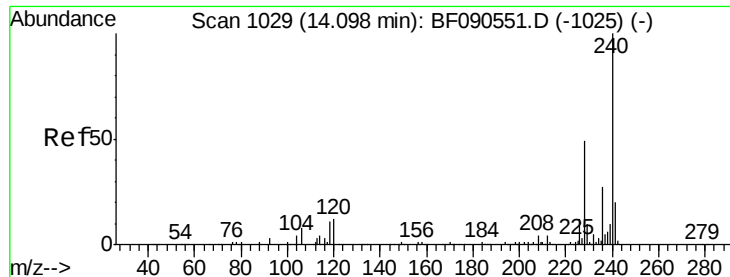
Ion Ratio Lower Upper

202 100

101 9.5 0.0 31.1

203 17.6 0.0 38.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

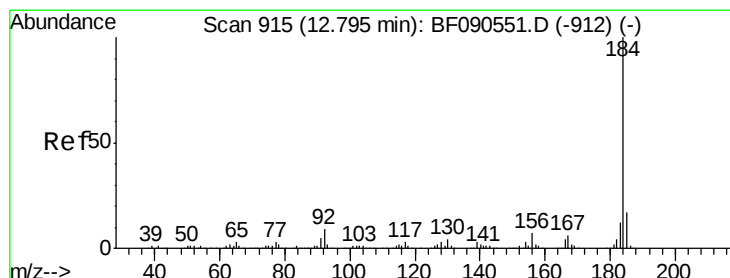
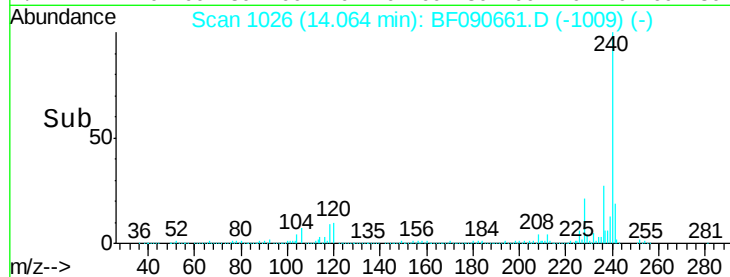
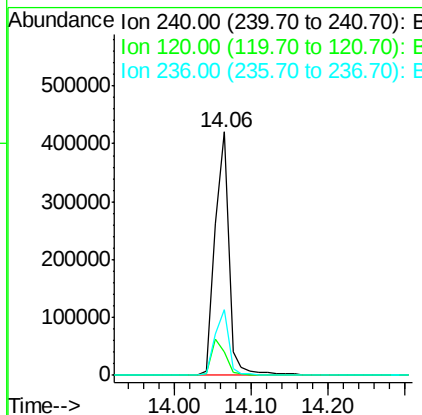
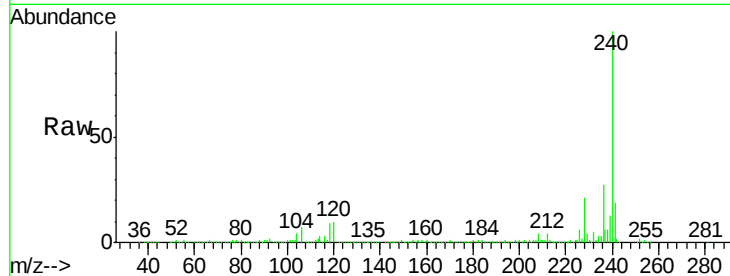
ClientSampleId :

101816-03MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.9	9.8	14.8
236	26.9	21.7	32.5

Manual Integrations
APPROVED

sohil
10/20/2016 6:40:27 PM



#76

Benzidine

Concen: 35.29 ng

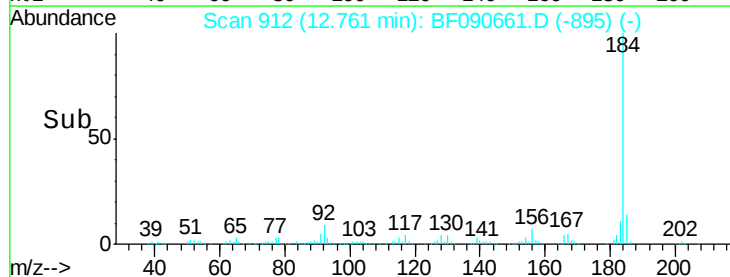
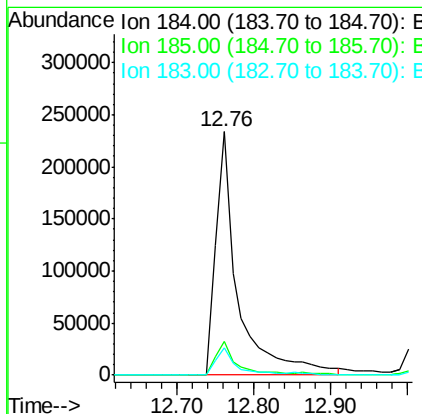
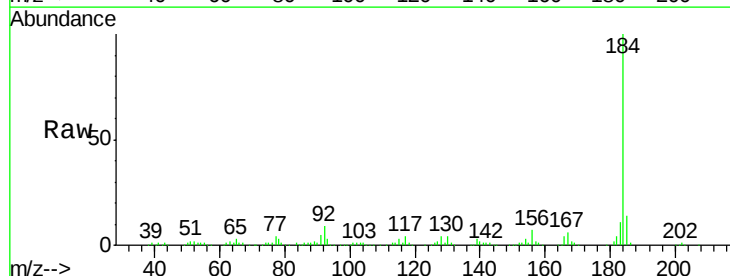
RT: 12.76 min Scan# 912

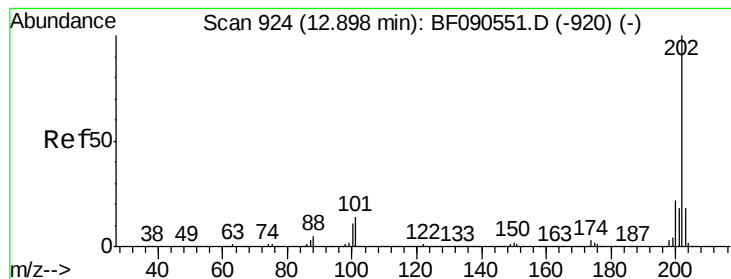
Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Tgt Ion	Ratio	Lower	Upper
184	100		
185	13.7	13.4	20.0
183	11.3	9.4	14.0





#77

Pvrene

Concen: 30.15 ng

RT: 12.86 min Scan# 921

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

ClientSampleId :

101816-03MSD

Tot Ion:202 Resp: 1063583

Ion Ratio Lower Upper

202 100

200 22.1 17.8 26.6

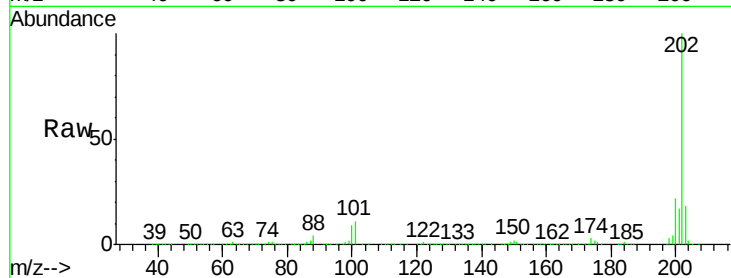
203 17.8 14.6 21.8

Manual Integrations

APPROVED

sohil

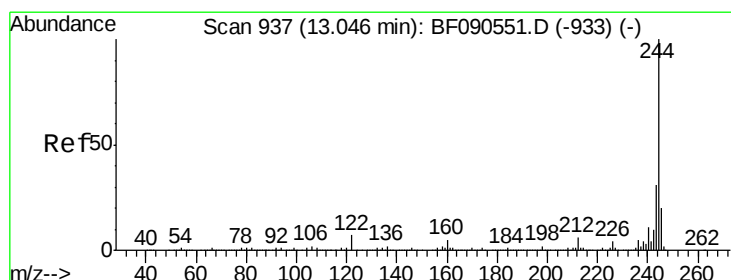
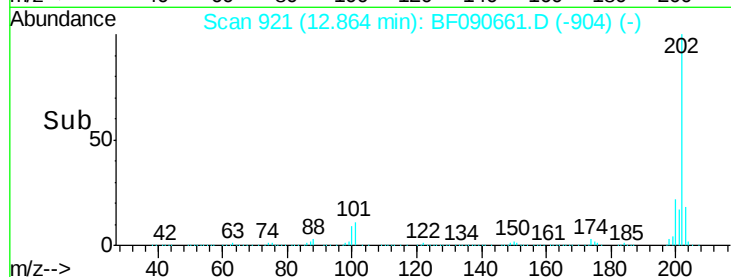
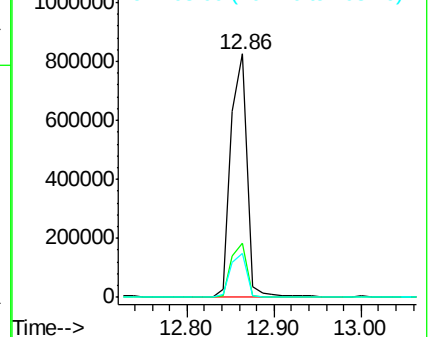
10/20/2016 6:40:27 PM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 60.25 ng

RT: 13.00 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

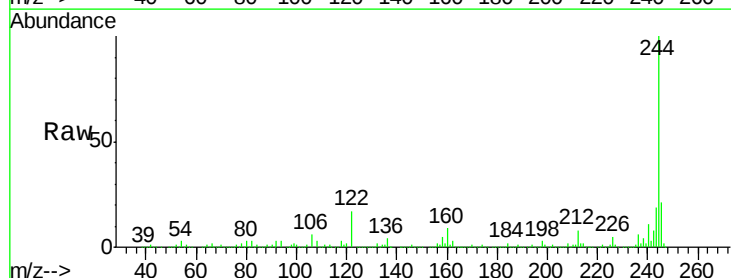
Tgt Ion:244 Resp: 1378220

Ion Ratio Lower Upper

244 100

212 7.9 5.0 7.4#

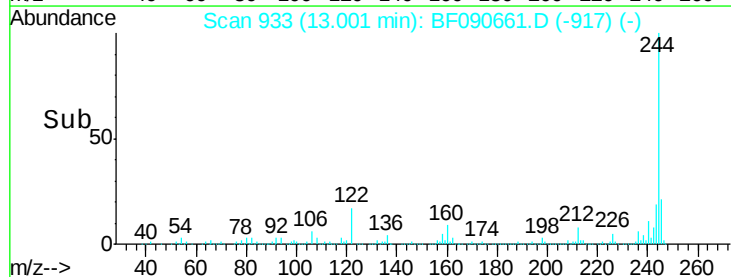
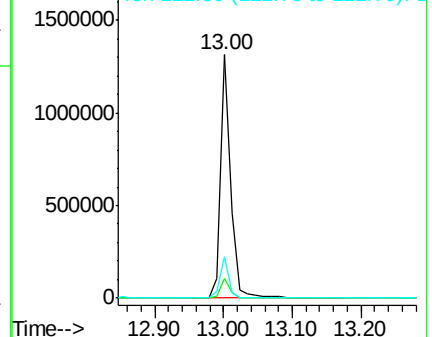
122 17.1 5.6 8.4#

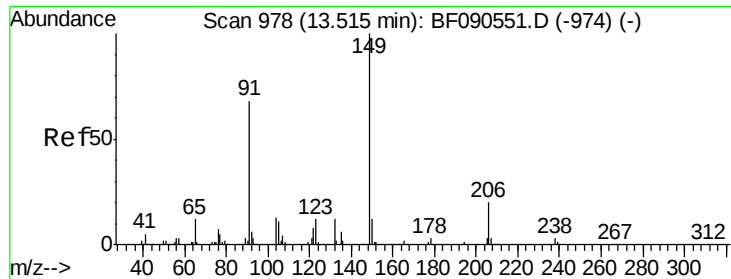


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





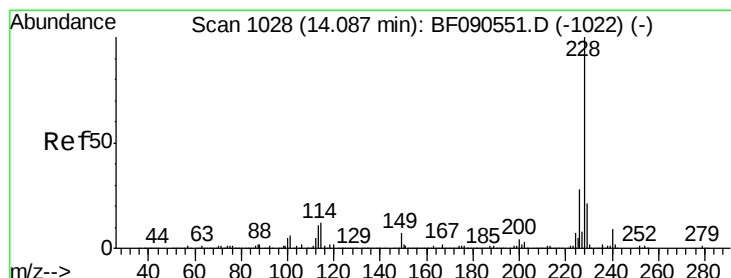
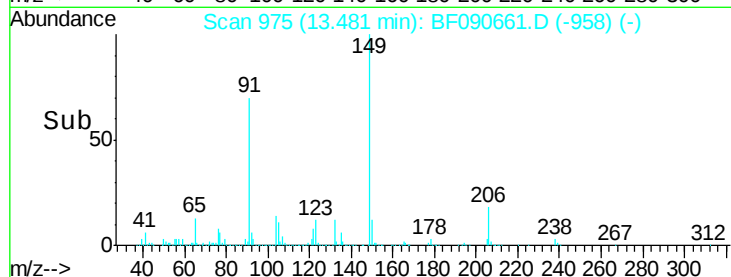
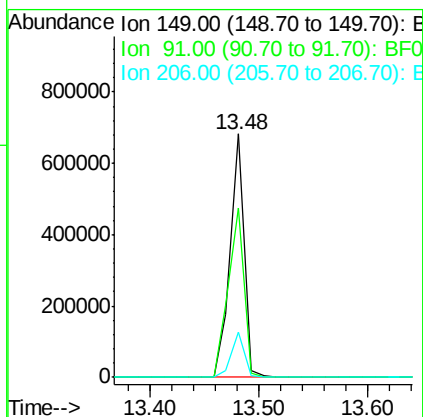
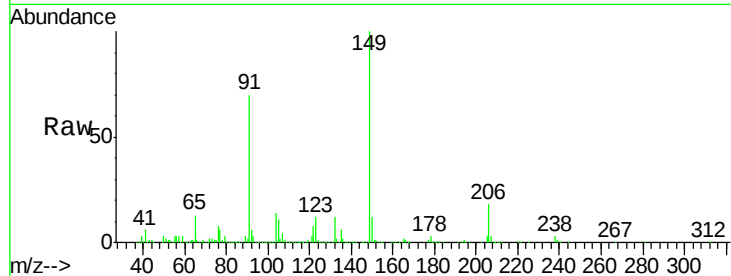
#79
Butylbenzylphthalate
Concen: 39.08 ng
RT: 13.48 min Scan# 975
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Instrument :
BNA_F
ClientSampleId :
101816-03MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	610816		
91	69.6	54.3	81.5	
206	18.3	15.8	23.6	

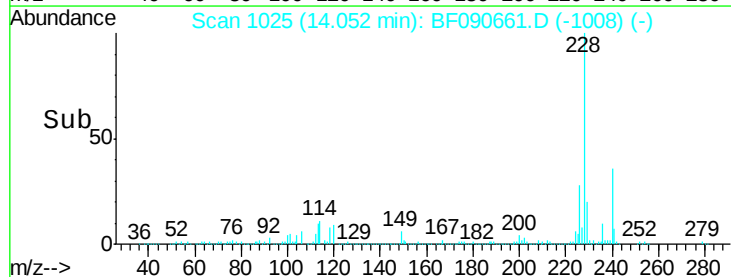
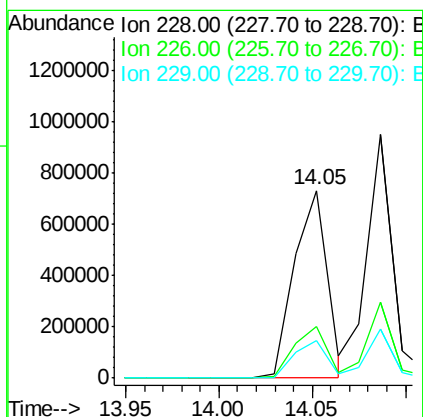
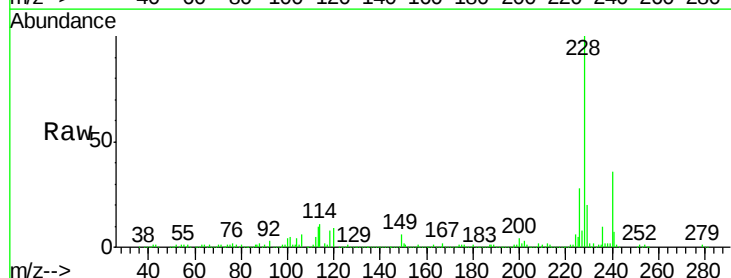
Manual Integrations
APPROVED

sohil
10/20/2016 6:40:27 PM



#80
Benzo(a)anthracene
Concen: 29.99 ng
RT: 14.05 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	909423		
226	27.7	22.8	34.2	
229	19.9	16.6	25.0	





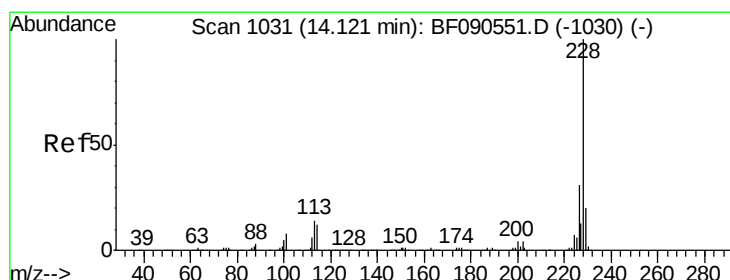
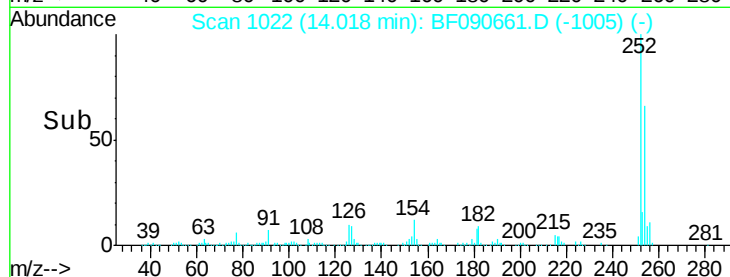
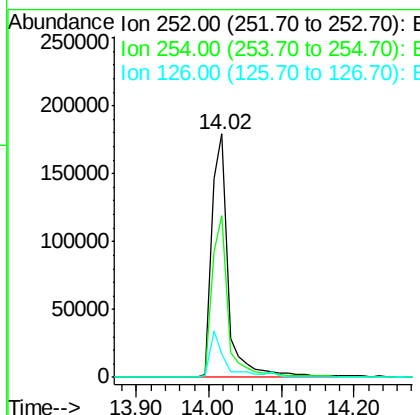
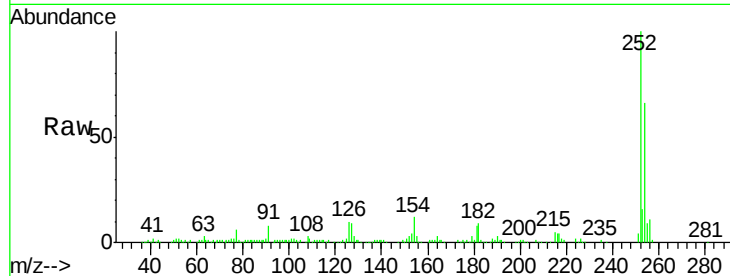
#81
 3,3'-Dichlorobenzidine
 Concen: 27.30 ng
 RT: 14.02 min Scan# 1022
 Delta R.T. -0.00 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Instrument :
 BNA_F
 ClientSampleId :
 101816-03MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
252	100		
254	66.3	52.1	78.1
126	9.8	9.3	13.9

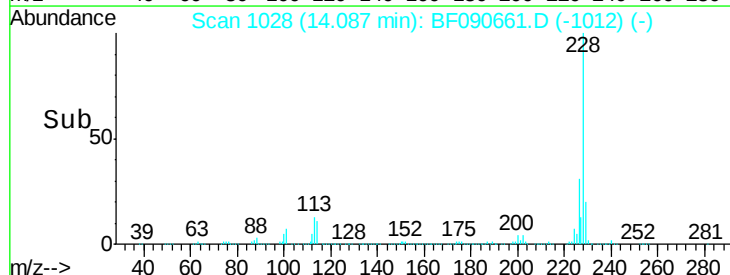
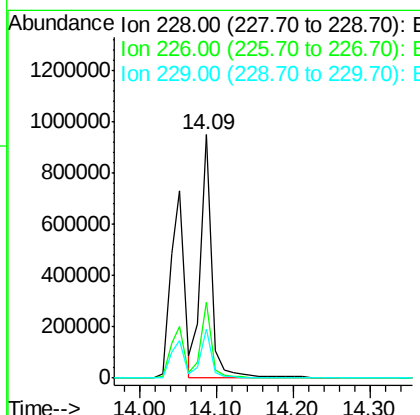
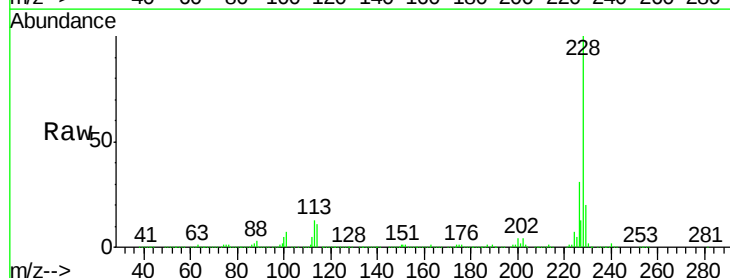
Manual Integrations
 APPROVED

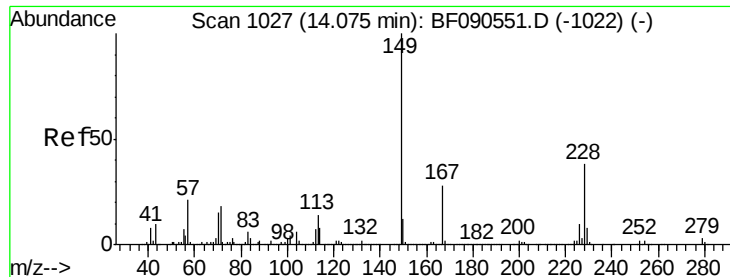
sohil
 10/20/2016 6:40:27 PM



#82
 Chrysene
 Concen: 32.18 ng
 RT: 14.09 min Scan# 1028
 Delta R.T. -0.01 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	31.3	24.8	37.2
229	20.0	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 39.48 ng

RT: 14.04 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

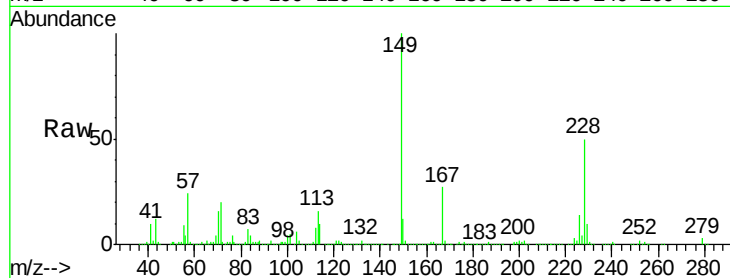
ClientSampleId :

101816-03MSD

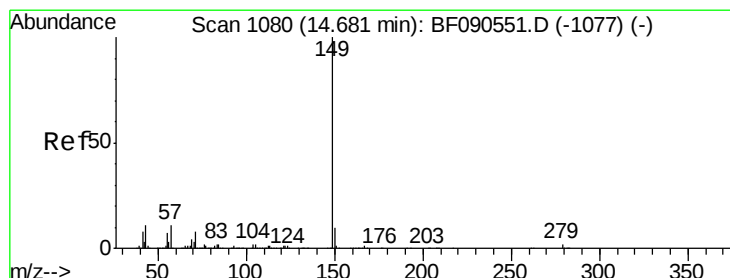
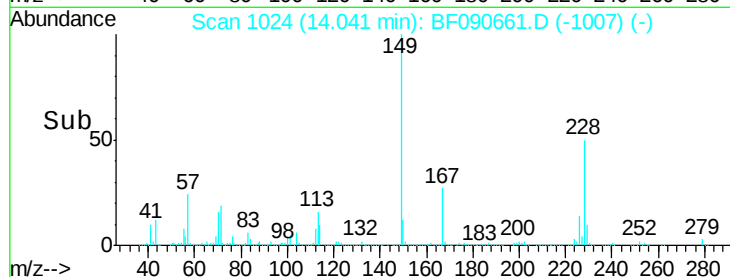
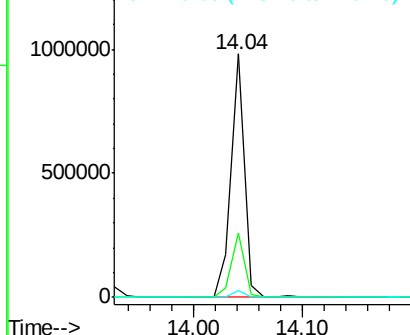
Tot Ion:	149	Resp:	832446
Ion Ratio	Lower	Upper	
149	100		
167	26.7	22.1	33.1
279	2.8	2.6	4.0

Manual Integrations
APPROVED

sohil
10/20/2016 6:40:27 PM



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



#84

Di-n-octyl phthalate

Concen: 41.22 ng

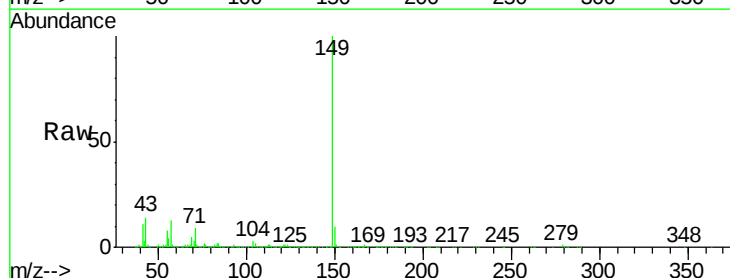
RT: 14.65 min Scan# 1077

Delta R.T. -0.01 min

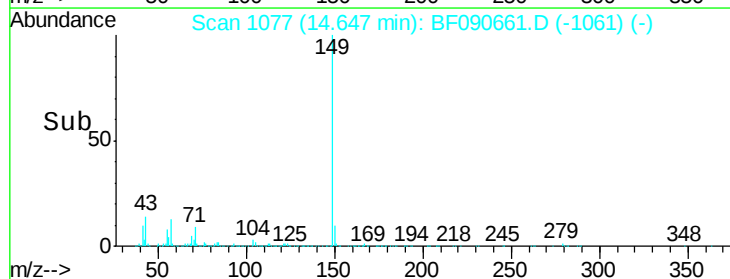
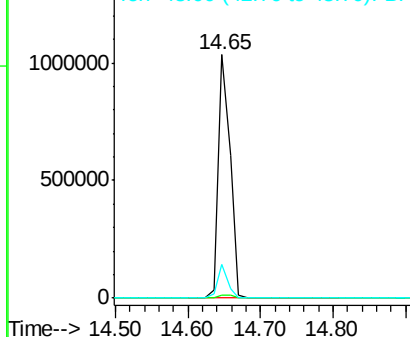
Lab File: BF090661.D

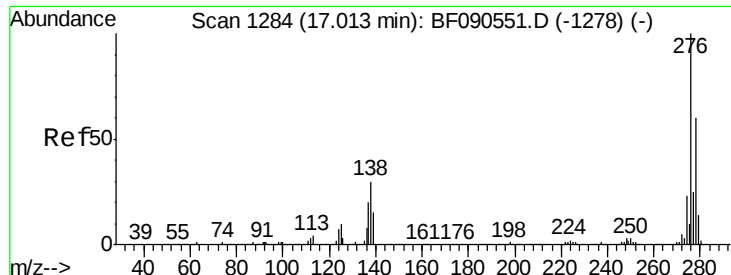
Acq: 19 Oct 2016 21:28

Tgt Ion:	149	Resp:	1165261
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.2	1.8
43	11.5	6.7	10.1#



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





#85

Indeno(1,2,3-cd)pyrene

Concen: 49.86 ng

RT: 16.94 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Instrument :

BNA_F

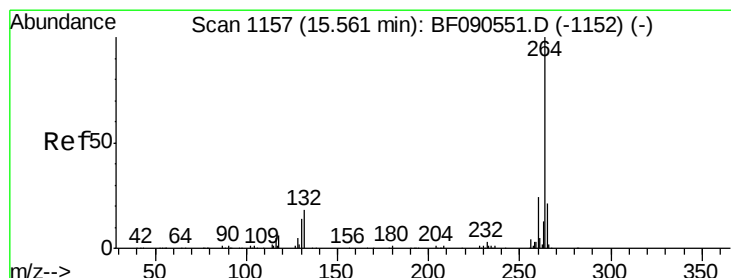
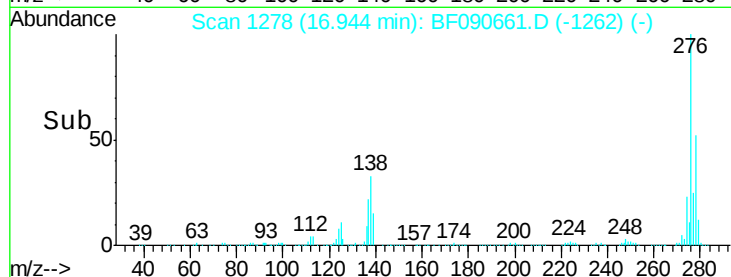
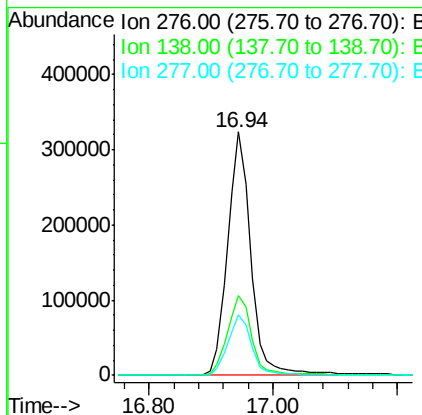
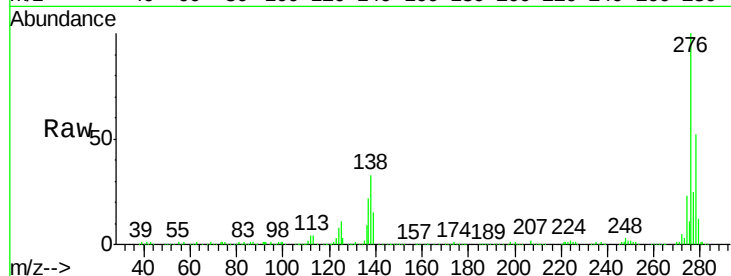
ClientSampleId :

101816-03MSD

Tot Ion:	276	Resp:	842261
Ion Ratio	Lower	Upper	
276	100		
138	34.5	25.8	38.6
277	25.3	20.1	30.1

Manual Integrations
APPROVED

sohil
10/20/2016 6:40:27 PM



#86

Perylene-d12

Concen: 20.00 ng

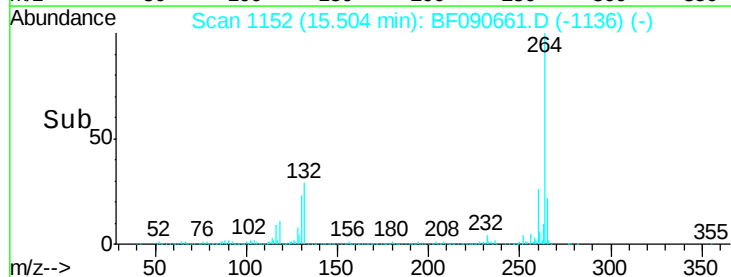
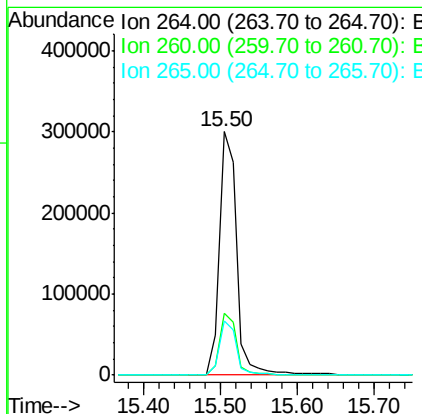
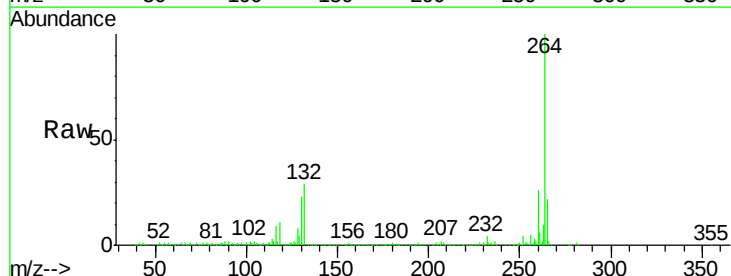
RT: 15.50 min Scan# 1152

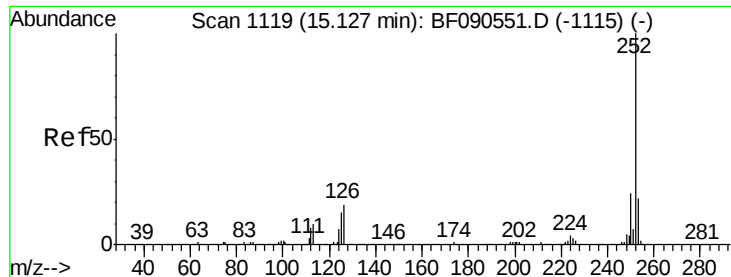
Delta R.T. -0.01 min

Lab File: BF090661.D

Acq: 19 Oct 2016 21:28

Tgt Ion:	264	Resp:	477081
Ion Ratio	Lower	Upper	
264	100		
260	25.5	19.3	28.9
265	22.0	16.7	25.1





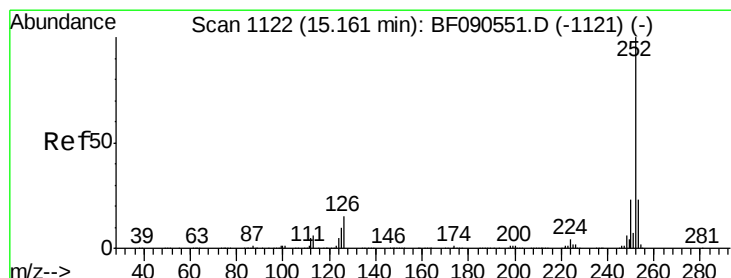
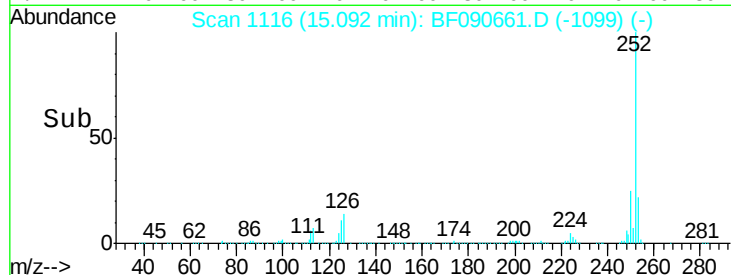
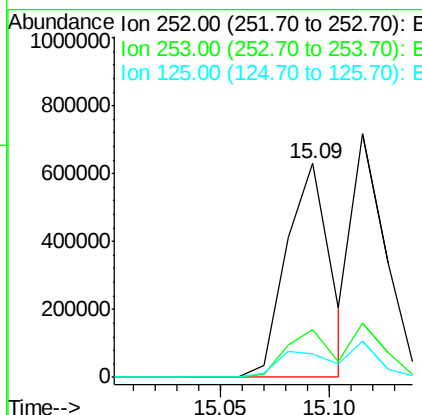
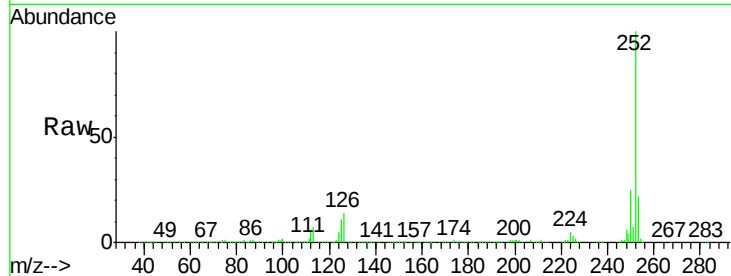
#87
Benzo(b)fluoranthene
Concen: 28.20 ng
RT: 15.09 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Instrument :
BNA_F
ClientSampleId :
101816-03MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	11.1	12.0	18.0

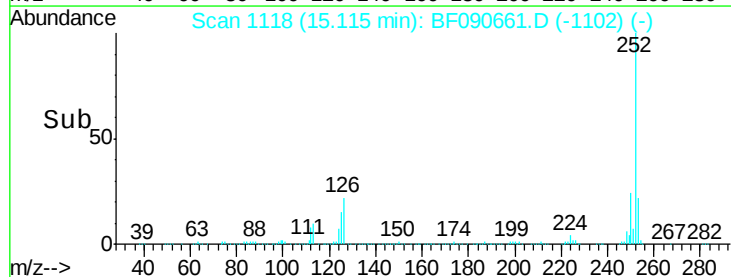
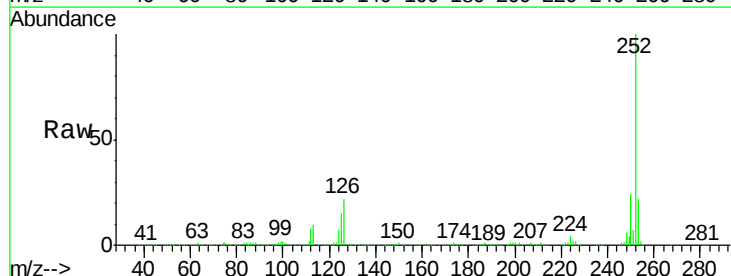
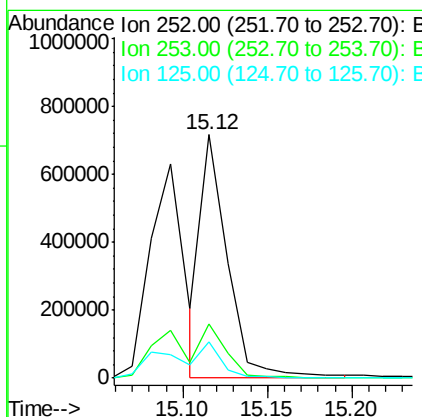
Manual Integrations
APPROVED

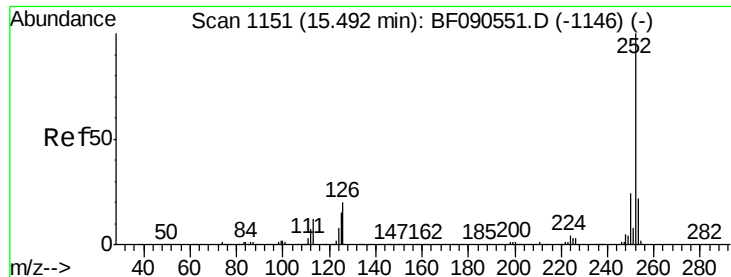
sohil
10/20/2016 6:40:27 PM



#88
Benzo(k)fluoranthene
Concen: 24.00 ng m
RT: 15.12 min Scan# 1118
Delta R.T. -0.01 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	15.0	10.0	15.0





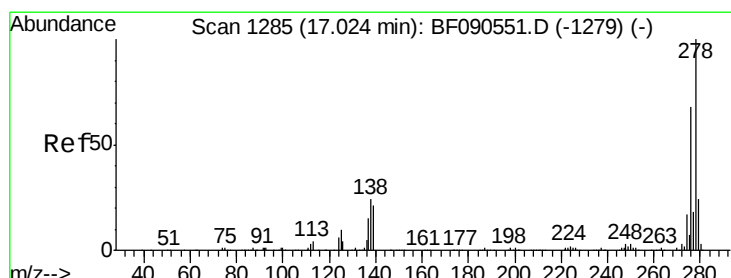
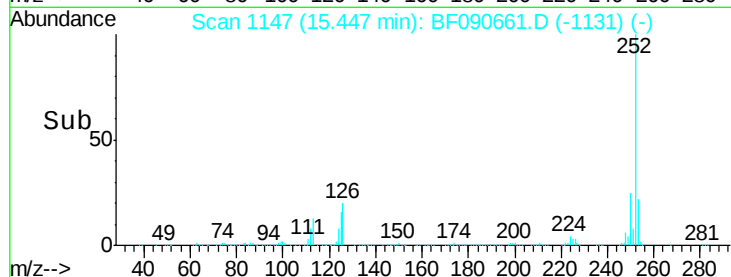
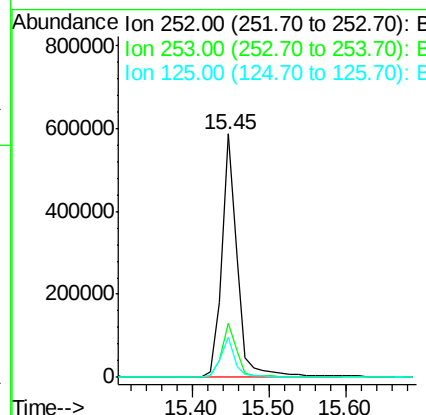
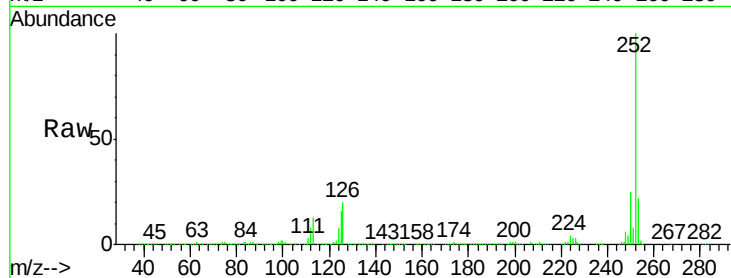
#89
Benzo(a)pyrene
Concen: 28.37 ng
RT: 15.45 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Instrument :
BNA_F
ClientSampleId :
101816-03MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	16.3	12.3	18.5

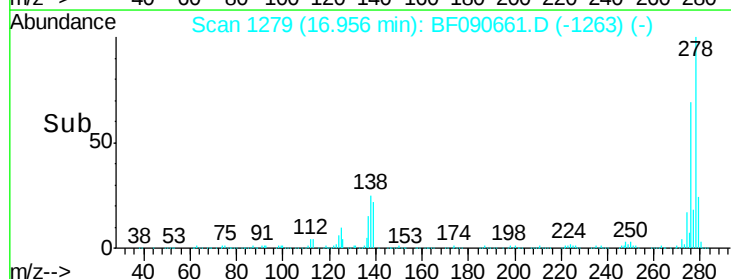
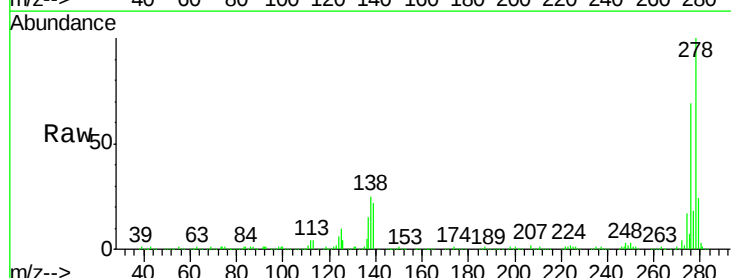
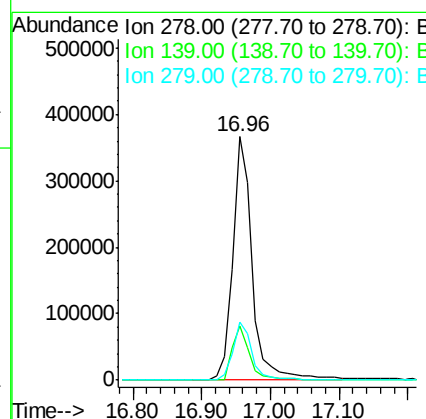
Manual Integrations
APPROVED

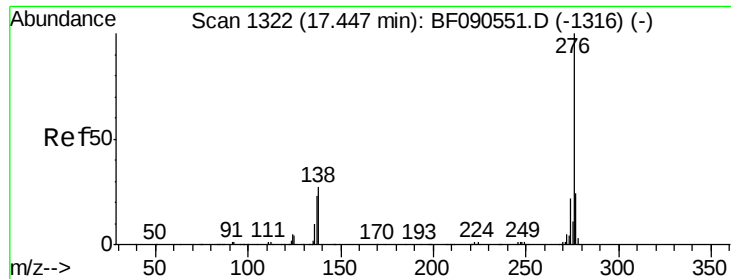
sohil
10/20/2016 6:40:27 PM



#90
Dibenzo(a,h)anthracene
Concen: 33.79 ng
RT: 16.96 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF090661.D
Acq: 19 Oct 2016 21:28

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.1	16.6	25.0
279	23.8	19.1	28.7





#91
 Benzo(a,h,i)perylene
 Concen: 31.35 ng
 RT: 17.38 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF090661.D
 Acq: 19 Oct 2016 21:28

Instrument :
 BNA_F
 ClientSampleId :
 101816-03MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	23.8	18.8	28.2
138	26.3	21.8	32.8

Manual Integrations
 APPROVED

sohil
 10/20/2016 6:40:27 PM

