

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072715\
 Data File : BF080694.D
 Acq On : 28 Jul 2015 2:59
 Operator : TP/UM
 Sample : G3084-03MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-3MSD

Manual Integrations
 APPROVED

apatel
 7/29/2015 10:41:28 AM

Quant Time: Jul 28 10:09:34 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 28 05:06:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	35375	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	118110	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	44814	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	54490	20.00	ng	0.00
75) Chrysene-d12	14.20	240	19712	20.00	ng	-0.05
86) Perylene-d12	15.85	264	21061	20.00	ng	-0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	211223	95.10	ng	0.01
7) Phenol-d6	6.53	99	236557	98.99	ng	0.00
23) Nitrobenzene-d5	7.48	82	164428	71.53	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	32182	82.05	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	255650	71.88	ng	0.00
78) Terphenyl-d14	13.06	244	82852	72.00	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.52	88	27795	29.66	ng	95
3) Pyridine	3.31	79	69488	29.35	ng	95
4) n-Nitrosodimethylamine	3.21	42	40415	26.87	ng	90
6) Aniline	6.58	93	39545	11.68	ng	98
8) 2-Chlorophenol	6.70	128	75653	34.33	ng	98
9) Benzaldehyde	6.46	77	19648	12.15	ng	100
10) Phenol	6.56	94	82714	30.58	ng	81
11) bis(2-Chloroethyl)ether	6.65	93	67122	34.46	ng	99
12) 1,3-Dichlorobenzene	6.86	146	89186	33.32	ng	99
13) 1,4-Dichlorobenzene	6.94	146	85335	32.56	ng	98
14) 1,2-Dichlorobenzene	7.09	146	79794	32.09	ng	98
15) Benzyl Alcohol	7.06	79	68341	34.97	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.21	45	127500	34.93	ng	97
17) 2-Methylphenol	7.17	107	50101	32.46	ng	# 88
18) Hexachloroethane	7.44	117	29391	33.61	ng	96
19) n-Nitroso-di-n-propylamine	7.33	70	45589	32.42	ng	# 77
20) 3+4-Methylphenols	7.32	107	74047	35.09	ng	93
22) Acetophenone	7.33	105	100023	32.88	ng	98
24) Nitrobenzene	7.50	77	73661	32.49	ng	98
25) Isophorone	7.74	82	122783	34.31	ng	100
26) 2-Nitrophenol	7.82	139	33624	36.76	ng	99
27) 2,4-Dimethylphenol	7.86	122	62642	35.51	ng	93
28) bis(2-Chloroethoxy)methane	7.95	93	71636	34.09	ng	99
29) 2,4-Dichlorophenol	8.06	162	47021	31.60	ng	# 83
30) 1,2,4-Trichlorobenzene	8.16	180	59009	31.16	ng	99
31) Naphthalene	8.24	128	208936	35.97	ng	100
33) 4-Chloroaniline	8.28	127	27403	13.10	ng	96
34) Hexachlorobutadiene	8.35	225	37308	31.57	ng	96
35) Caprolactam	8.60	113	11458	37.90	ng	# 81
36) 4-Chloro-3-methylphenol	8.75	107	50838	33.67	ng	95
37) 2-Methylnaphthalene	8.92	142	134717	36.32	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.09	216	53166	32.23	ng	99
40) Hexachlorocyclopentadiene	9.08	237	61894	58.79	ng	100
42) 2,4,6-Trichlorophenol	9.20	196	34953	32.10	ng	95

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072715\
 Data File : BF080694.D
 Acq On : 28 Jul 2015 2:59
 Operator : TP/UM
 Sample : G3084-03MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-3MSD

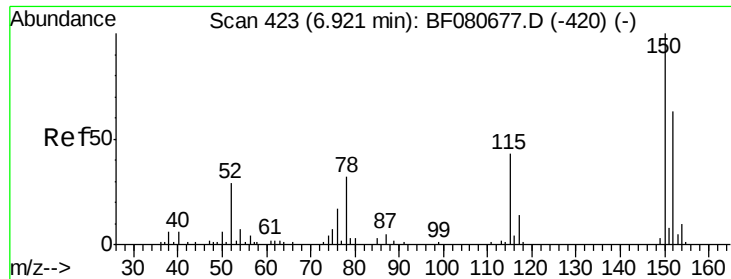
Manual Integrations
 APPROVED

apatel
 7/29/2015 10:41:28 AM

Quant Time: Jul 28 10:09:34 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 28 05:06:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.23	196	31980	31.77	nq	97
45) 1,1'-Biphenyl	9.39	154	133462	35.45	nq	98
46) 2-Chloronaphthalene	9.41	162	101959	32.38	nq	97
47) 2-Nitroaniline	9.49	65	25455	34.35	nq	97
48) Acenaphthylene	9.82	152	164829	33.26	nq	98
49) Dimethylphthalate	9.68	163	163558	56.14	nq	99
50) 2,6-Dinitrotoluene	9.74	165	19299	33.46	nq	# 86
51) Acenaphthene	10.00	154	102436	35.15	nq	97
52) 3-Nitroaniline	9.90	138	16079	24.55	nq	94
53) 2,4-Dinitrophenol	10.01	184	3850	26.09	nq	# 80
54) Dibenzofuran	10.17	168	144648	36.16	nq	95
55) 4-Nitrophenol	10.05	139	23543	53.68	nq	93
56) 2,4-Dinitrotoluene	10.14	165	22192	33.75	nq	94
57) Fluorene	10.51	166	105951	34.86	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.28	232	19103m	28.39	nq	
59) Diethylphthalate	10.38	149	102410	37.01	nq	98
60) 4-Chlorophenyl-phenylether	10.51	204	42793	31.98	nq	99
61) 4-Nitroaniline	10.51	138	15192	27.20	nq	95
62) Azobenzene	10.66	77	84187	31.10	nq	99
64) 4,6-Dinitro-2-methylphenol	10.54	198	5835	28.63	nq	86
65) n-Nitrosodiphenylamine	10.62	169	70007	37.62	nq	95
66) 4-Bromophenyl-phenylether	11.00	248	21389	36.76	nq	95
67) Hexachlorobenzene	11.06	284	20832	30.43	nq	97
68) Atrazine	11.15	200	16670	46.19	nq	90
69) Pentachlorophenol	11.25	266	15954	59.19	nq	94
70) Phenanthrene	11.47	178	211665	68.06	nq	99
71) Anthracene	11.53	178	121346	40.13	nq	98
72) Carbazole	11.68	167	81655	32.33	nq	97
73) Di-n-butylphthalate	12.02	149	94812	36.83	nq	99
74) Fluoranthene	12.67	202	142051	58.23	nq	96
76) Benzidine	12.80	184	28140	51.81	nq	99
77) Pyrene	12.91	202	120290	72.89	nq	99
79) Butylbenzylphthalate	13.57	149	21283	44.50	nq	# 78
80) Benzo(a)anthracene	14.19	228	58626	51.34	nq	95
81) 3,3'-Dichlorobenzidine	14.16	252	10397	34.80	nq	92
82) Chrysene	14.23	228	50464	44.31	nq	98
83) Bis(2-ethylhexyl)phthalate	14.20	149	28753	49.07	nq	98
84) Di-n-octyl phthalate	14.95	149	34526	49.05	nq	# 88
85) Indeno(1,2,3-cd)pyrene	17.35	276	230380	479.68	nq	94
87) Benzo(b)fluoranthene	15.41	252	45628m	29.75	nq	
88) Benzo(k)fluoranthene	15.44	252	34275m	24.37	nq	
89) Benzo(a)pyrene	15.79	252	54082	46.15	nq	96
90) Dibenzo(a,h)anthracene	17.37	278	145502	180.59	nq	97
91) Benzo(g,h,i)perylene	17.79	276	255066	326.56	nq	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.92 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF080694.D

Acq: 28 Jul 2015 2:59

Instrument :

BNA_F

ClientSampleId :

DUMBO-EP-3MSD

Tot Ion:152 Resp: 35375

Ion Ratio Lower Upper

152 100

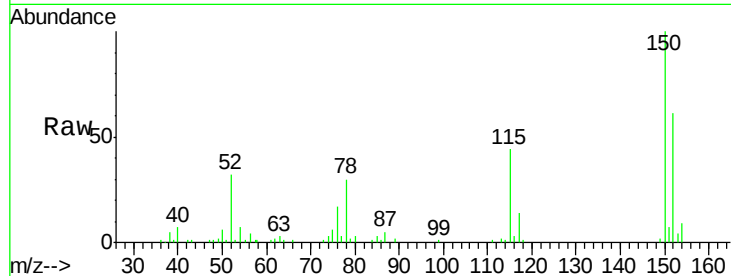
150 164.7 127.7 191.5

115 71.8 54.2 81.4

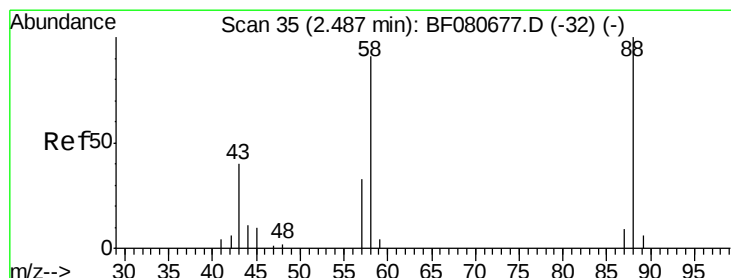
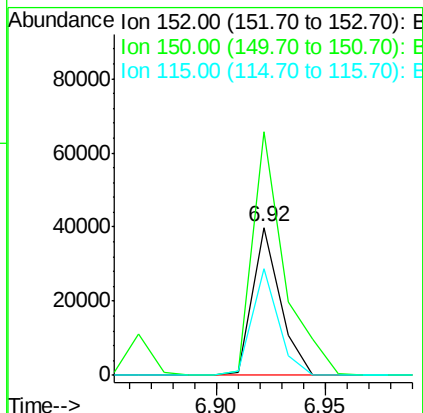
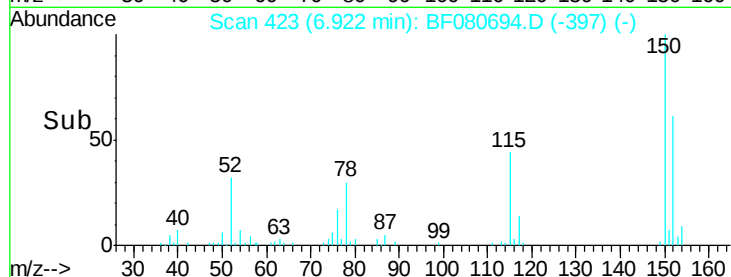
Manual Integrations
APPROVED

apatel

7/29/2015 10:41:28 AM



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



#2

1,4-Dioxane

Concen: 29.66 ng

RT: 2.52 min Scan# 38

Delta R.T. 0.04 min

Lab File: BF080694.D

Acq: 28 Jul 2015 2:59

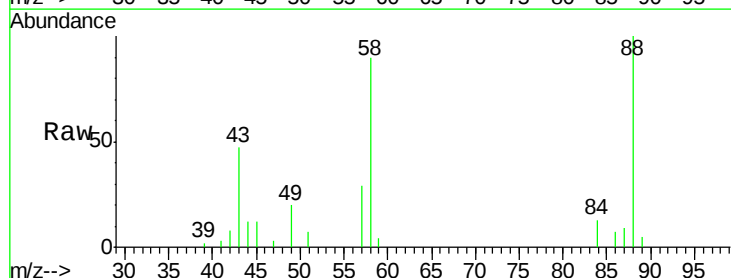
Tgt Ion: 88 Resp: 27795

Ion Ratio Lower Upper

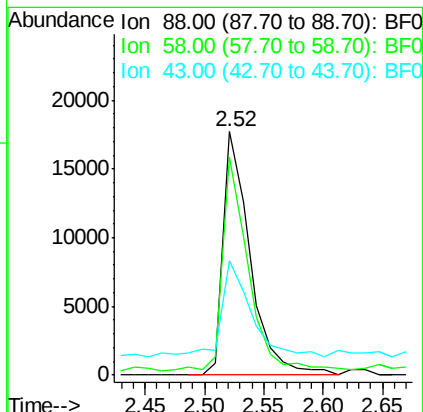
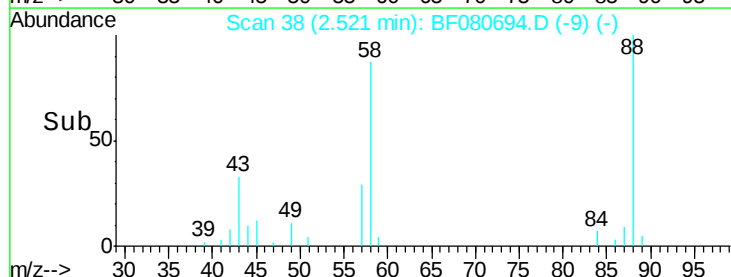
88 100

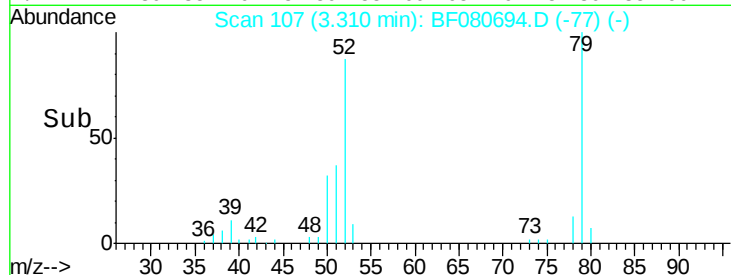
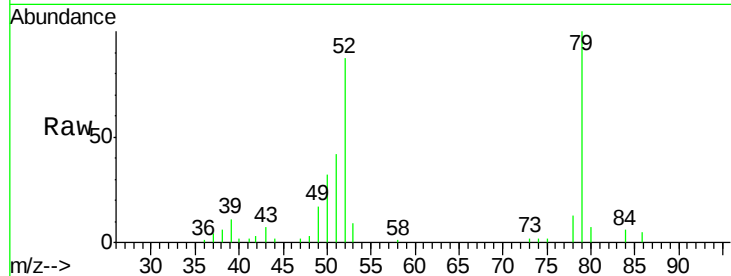
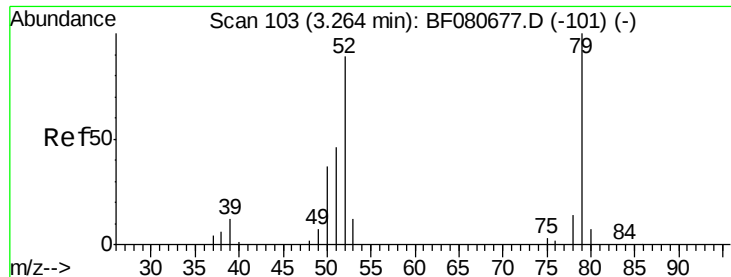
58 86.0 71.6 107.4

43 45.0 31.4 47.0



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





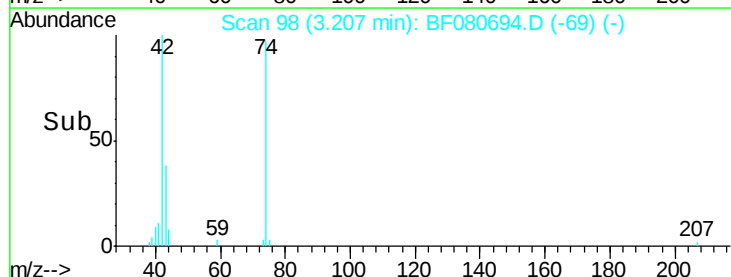
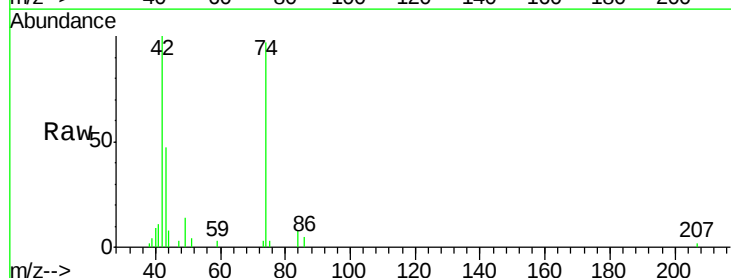
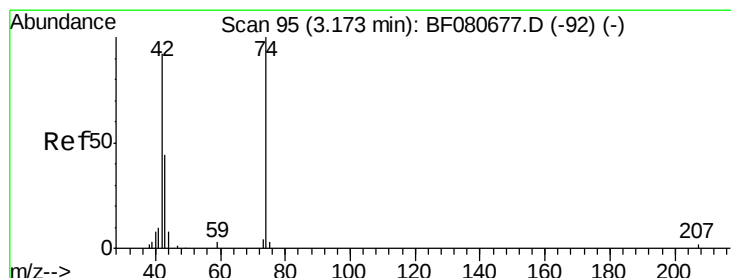
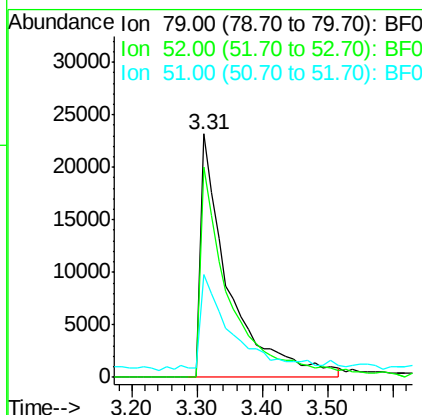
#3
 Pvridine
 Concen: 29.35 ng
 RT: 3.31 min Scan# 107
 Delta R.T. 0.05 min
 Lab File: BF080694.D
 Acq: 28 Jul 2015 2:59

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	79	100	69488		
52	52	86.6		71.1	106.7
51	51	42.4		39.0	58.4

Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-3MSD

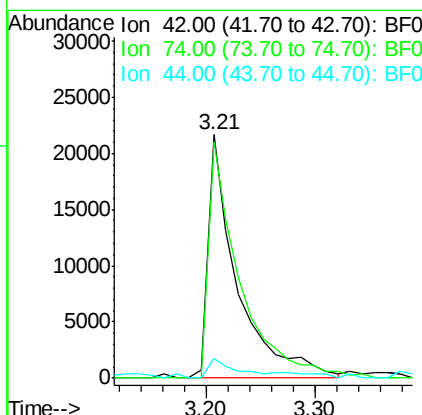
Manual Integrations
 APPROVED

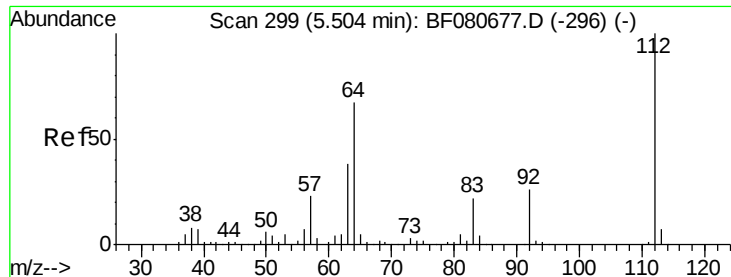
apatel
 7/29/2015 10:41:28 AM



#4
 n-Nitrosodimethylamine
 Concen: 26.87 ng
 RT: 3.21 min Scan# 98
 Delta R.T. 0.03 min
 Lab File: BF080694.D
 Acq: 28 Jul 2015 2:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	42	100	40415		
74	74	97.2		87.0	130.6
44	44	8.1		6.9	10.3





#5

2-Fluorophenol

Concen: 95.10 ng

RT: 5.52 min Scan# 300

Delta R.T. 0.01 min

Lab File: BF080694.D

Acq: 28 Jul 2015 2:59

Instrument :

BNA_F

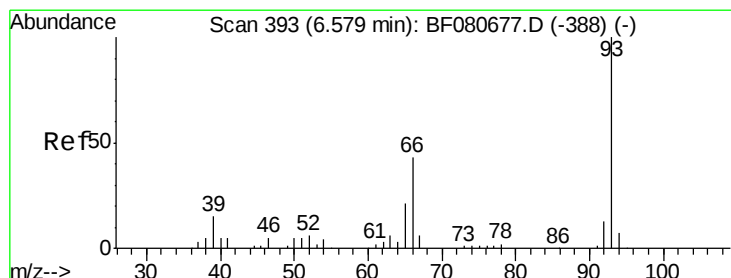
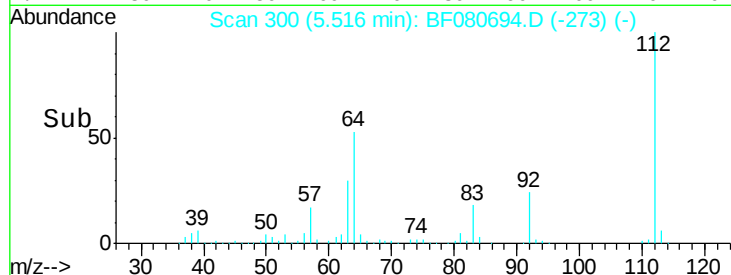
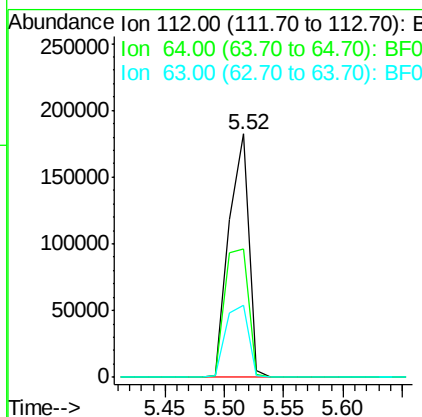
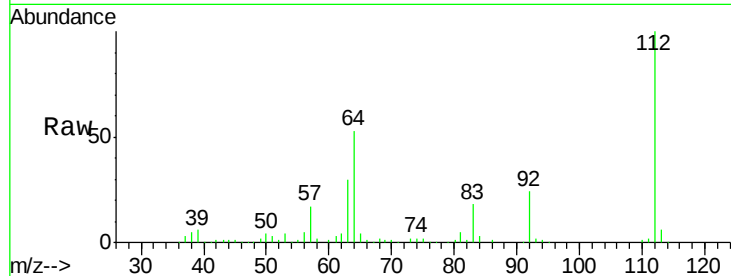
ClientSampleId :

DUMBO-EP-3MSD

Tot Ion:	112	Resp:	211223
Ion Ratio	Lower	Upper	
112	100		
64	52.9	53.2	79.8#
63	29.8	30.4	45.6#

Manual Integrations
APPROVED

apatel
7/29/2015 10:41:28 AM



#6

Aniline

Concen: 11.68 ng

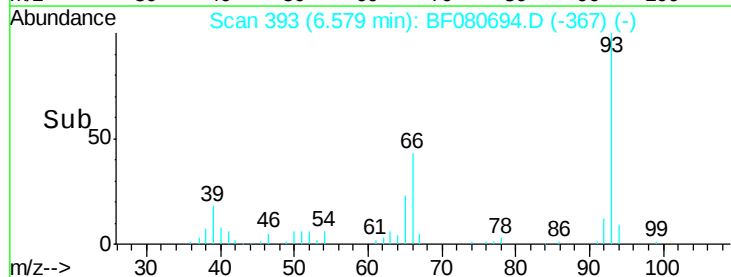
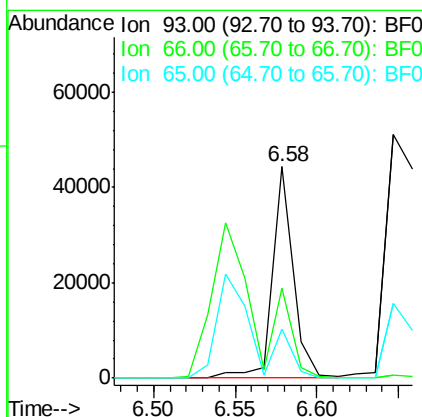
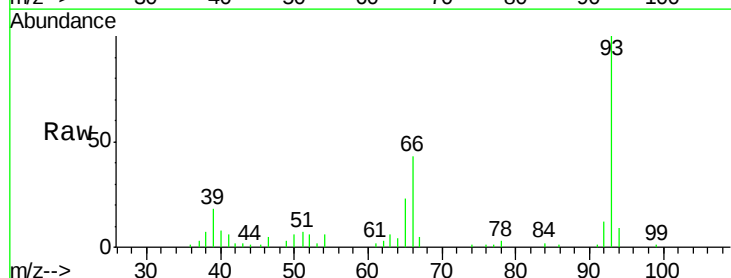
RT: 6.58 min Scan# 393

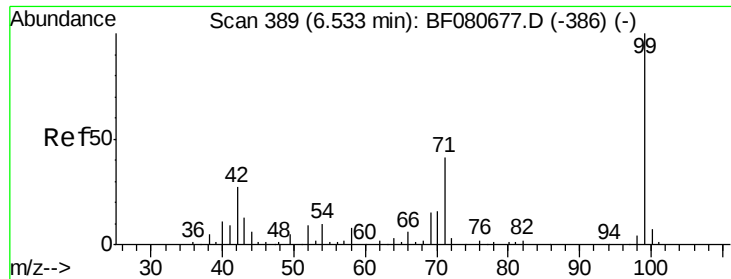
Delta R.T. 0.00 min

Lab File: BF080694.D

Acq: 28 Jul 2015 2:59

Tgt Ion:	93	Resp:	39545
Ion Ratio	Lower	Upper	
93	100		
66	42.7	34.6	52.0
65	23.2	16.5	24.7





#7

Phenol-d6

Concen: 98.99 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF080694.D

Acq: 28 Jul 2015 2:59

Instrument :

BNA_F

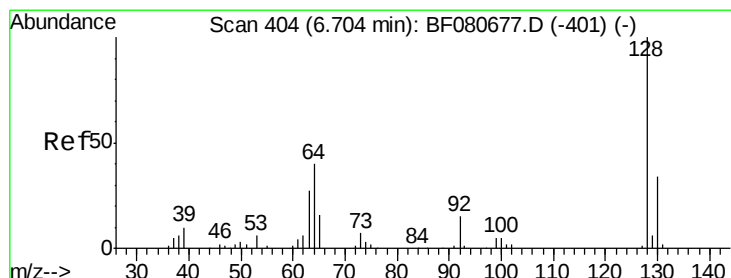
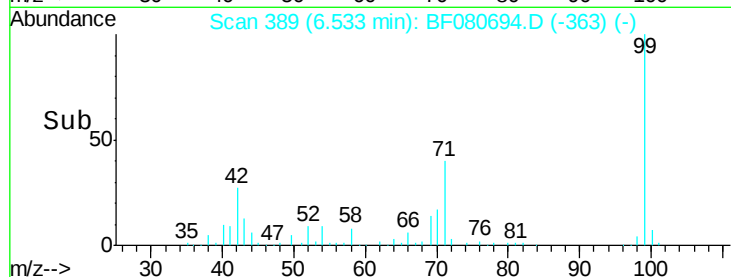
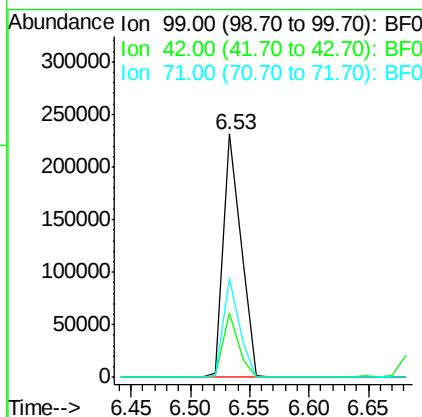
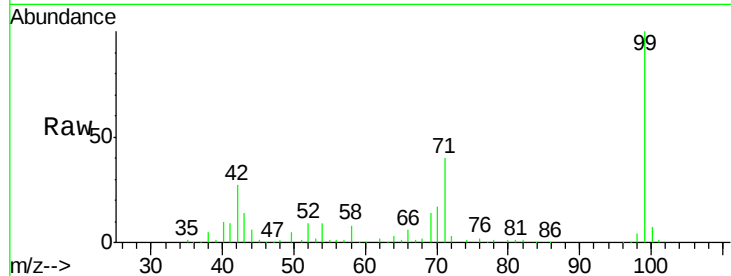
ClientSampleId :

DUMBO-EP-3MSD

Tot Ion:	99	Resp:	236557
Ion Ratio	Lower	Upper	
99	100		
42	26.5	21.8	32.8
71	40.4	32.9	49.3

Manual Integrations
APPROVED

apatel
7/29/2015 10:41:28 AM



#8

2-Chlorophenol

Concen: 34.33 ng

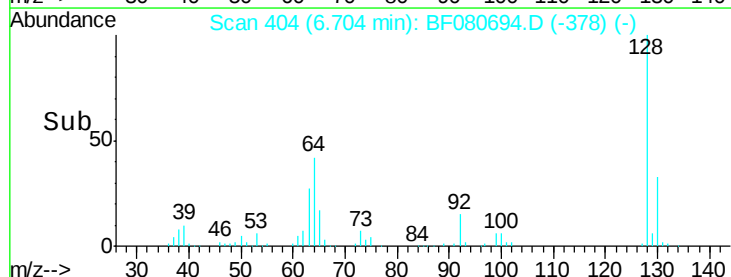
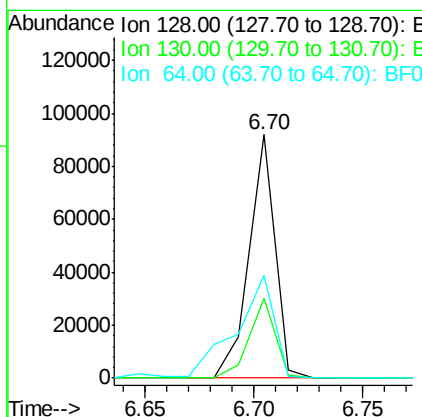
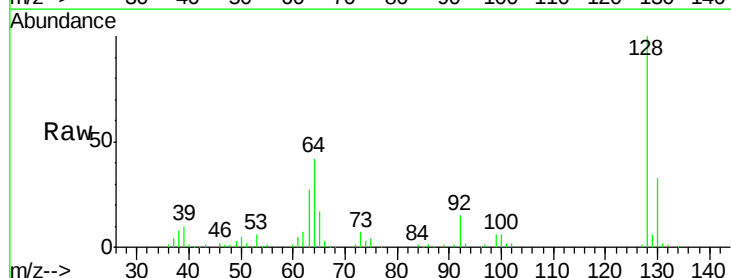
RT: 6.70 min Scan# 404

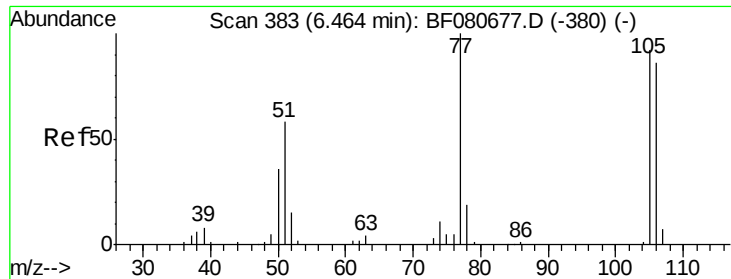
Delta R.T. 0.00 min

Lab File: BF080694.D

Acq: 28 Jul 2015 2:59

Tgt Ion:	128	Resp:	75653
Ion Ratio	Lower	Upper	
128	100		
130	32.6	14.0	54.0
64	42.0	20.6	60.6





#9

Benzaldehyde

Concen: 12.15 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.00 min

Lab File: BF080694.D

Acq: 28 Jul 2015 2:59

Instrument :

BNA_F

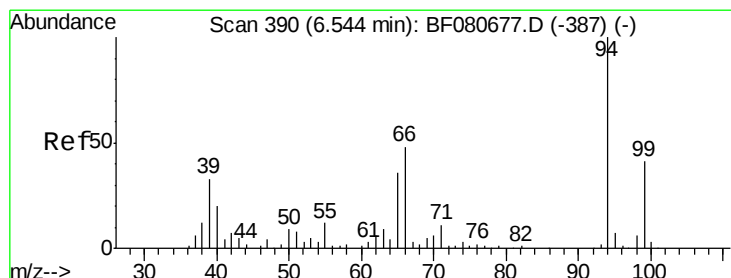
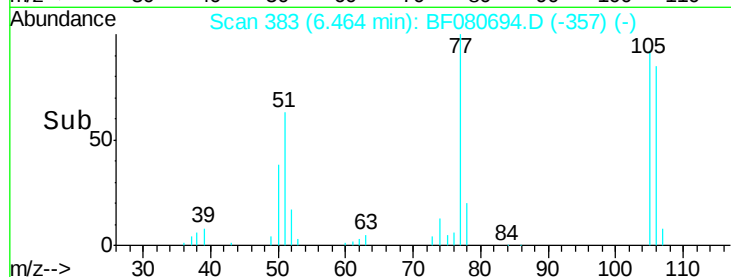
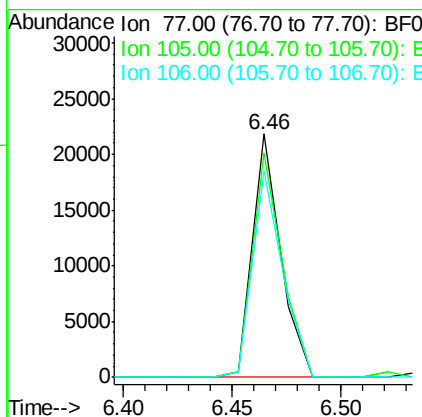
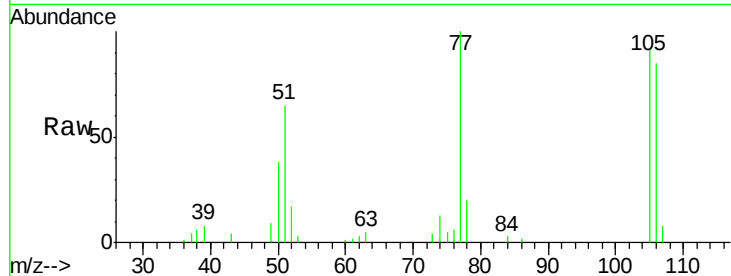
ClientSampleId :

DUMBO-EP-3MSD

Tot Ion:	77	Resp:	19648
Ion Ratio	Lower	Upper	
77	100		
105	92.1	72.1	112.1
106	84.9	65.5	105.5

Manual Integrations
APPROVED

apatel
7/29/2015 10:41:28 AM



#10

Phenol

Concen: 30.58 ng

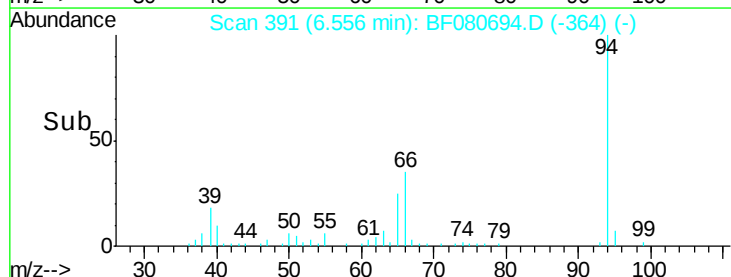
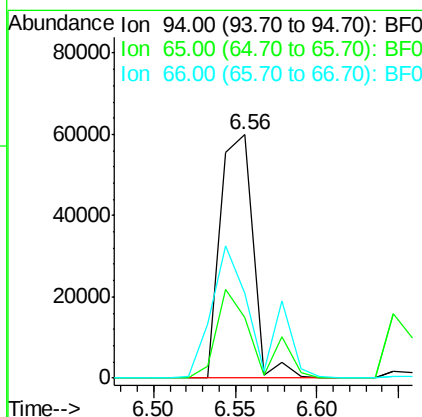
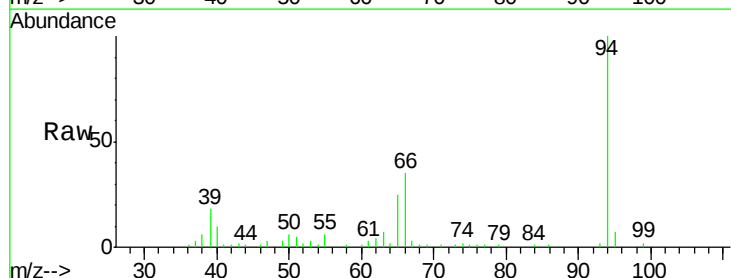
RT: 6.56 min Scan# 391

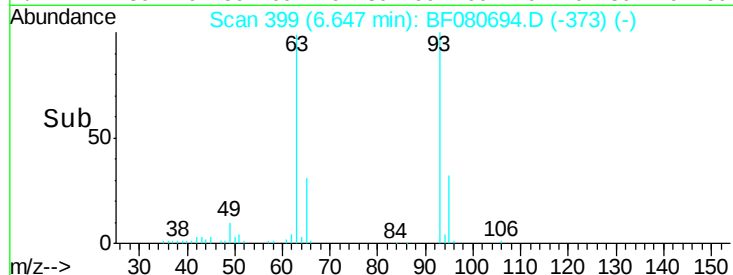
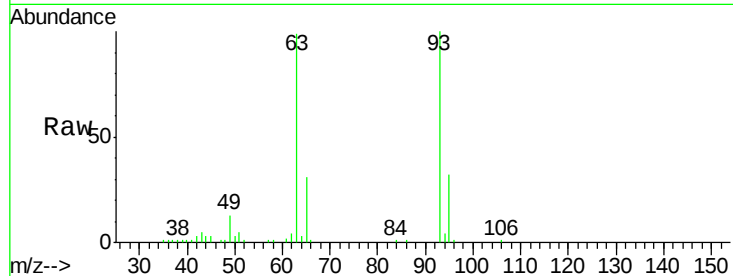
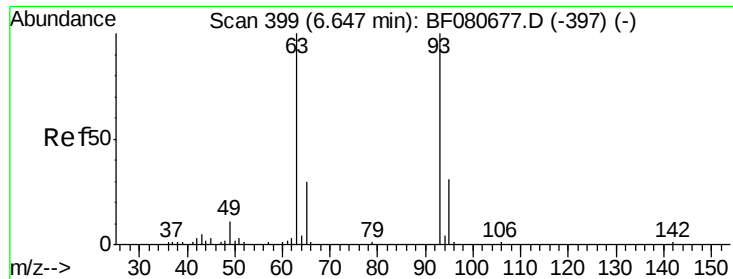
Delta R.T. 0.01 min

Lab File: BF080694.D

Acq: 28 Jul 2015 2:59

Tgt Ion:	94	Resp:	82714
Ion Ratio	Lower	Upper	
94	100		
65	25.1	16.0	56.0
66	34.9	28.1	68.1





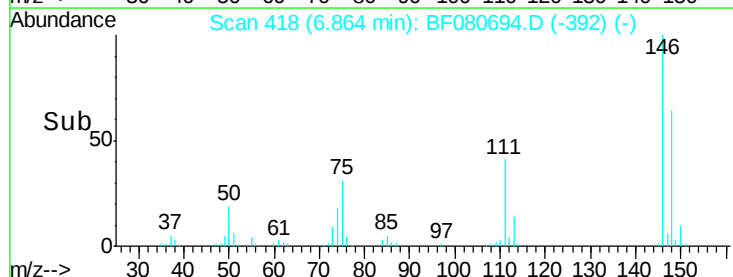
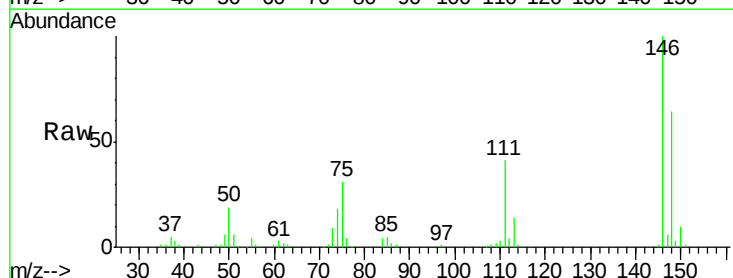
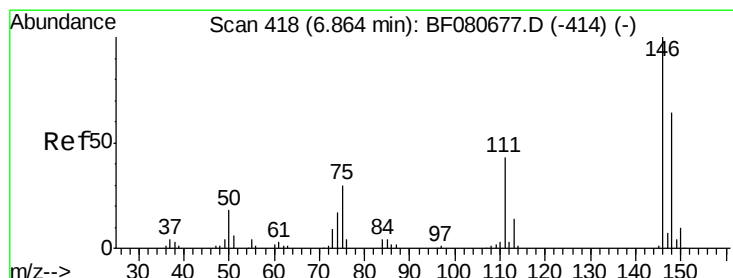
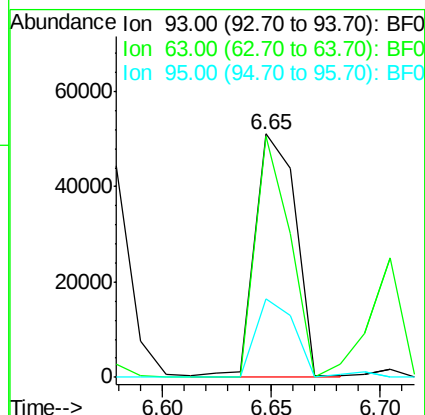
#11
bis(2-Chloroethyl)ether
Concen: 34.46 ng
RT: 6.65 min Scan# 399
Delta R.T. 0.00 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

Tot Ion	Ratio	Lower	Upper
93	100		
63	99.2	79.7	119.7
95	32.2	11.0	51.0

Instrument :
BNA_F
ClientSampleId :
DUMBO-EP-3MSD

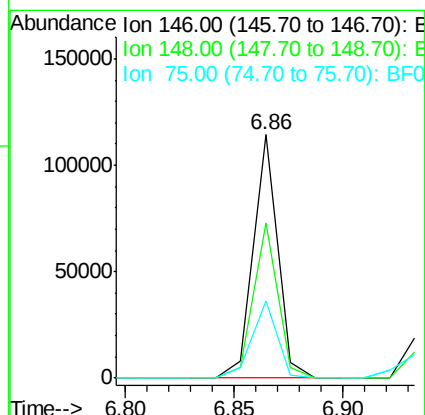
Manual Integrations
APPROVED

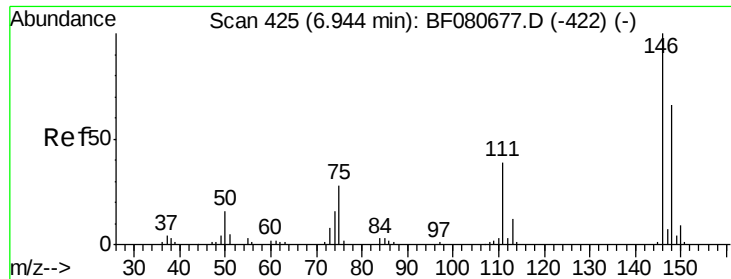
apatel
7/29/2015 10:41:28 AM



#12
1,3-Dichlorobenzene
Concen: 33.32 ng
RT: 6.86 min Scan# 418
Delta R.T. 0.00 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.2	76.8
75	31.5	23.9	35.9





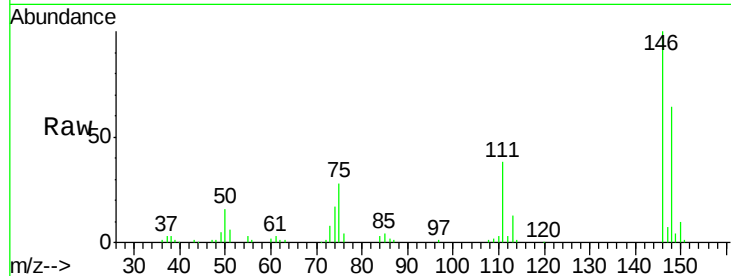
#13
 1,4-Dichlorobenzene
 Concen: 32.56 ng
 RT: 6.94 min Scan# 425
 Delta R.T. 0.00 min
 Lab File: BF080694.D
 Acq: 28 Jul 2015 2:59

Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-3MSD

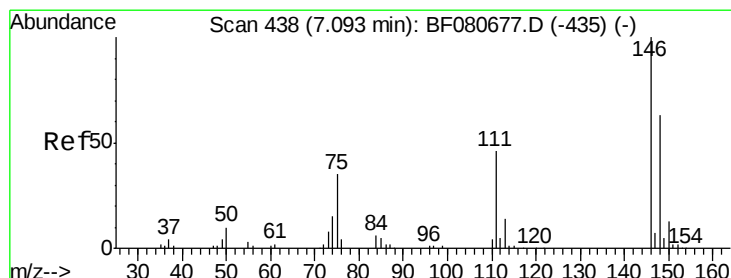
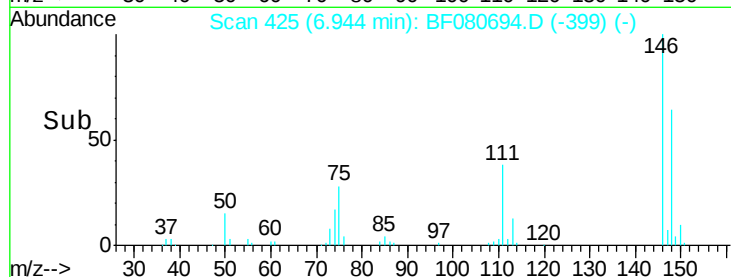
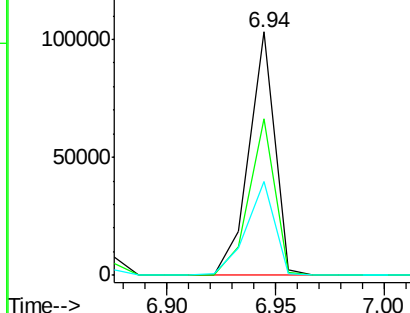
Tot Ion	Ratio	Lower	Upper
146	100		
148	64.3	52.7	79.1
111	38.5	31.1	46.7

Manual Integrations
 APPROVED

apatel
 7/29/2015 10:41:28 AM

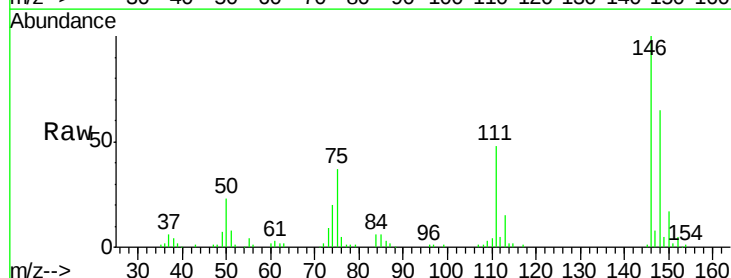


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

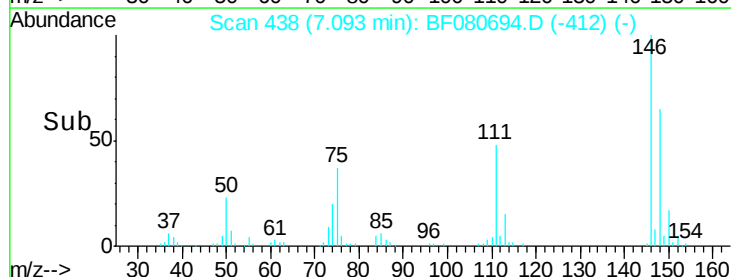
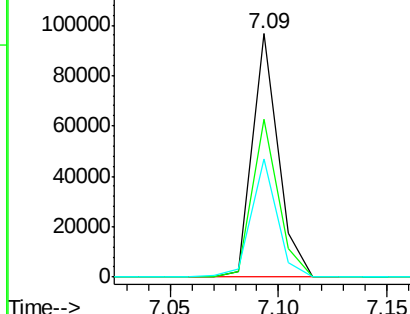


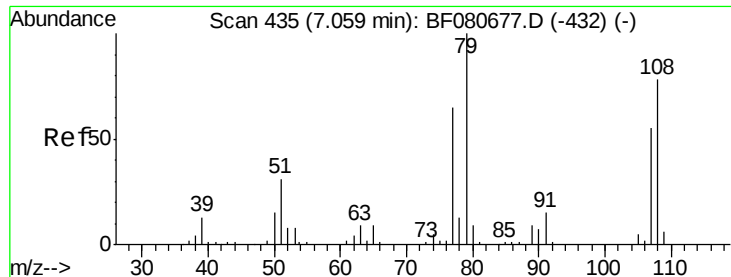
#14
 1,2-Dichlorobenzene
 Concen: 32.09 ng
 RT: 7.09 min Scan# 438
 Delta R.T. 0.00 min
 Lab File: BF080694.D
 Acq: 28 Jul 2015 2:59

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.6	50.6	76.0
111	48.4	37.2	55.8



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 34.97 ng

RT: 7.06 min Scan# 435

Delta R.T. 0.00 min

Lab File: BF080694.D

Acq: 28 Jul 2015 2:59

Instrument :

BNA_F

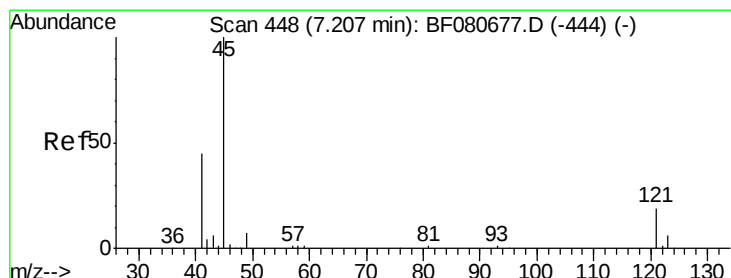
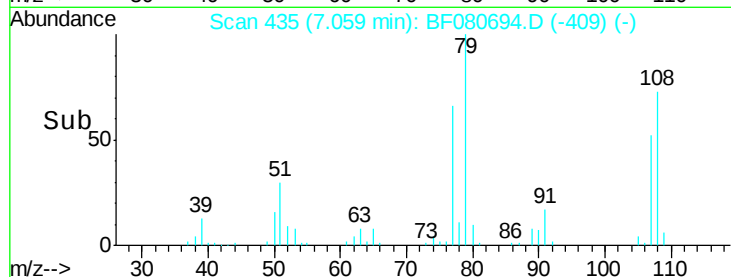
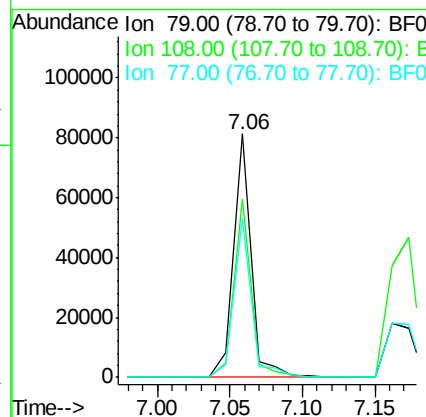
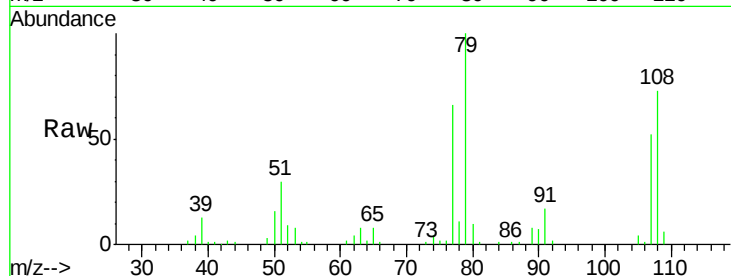
ClientSampleId :

DUMBO-EP-3MSD

Tot Ion:	79	Resp:	68341
Ion Ratio	Lower	Upper	
79	100		
108	73.4	62.7	94.1
77	65.6	51.8	77.8

Manual Integrations
APPROVED

apatel
7/29/2015 10:41:28 AM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 34.93 ng

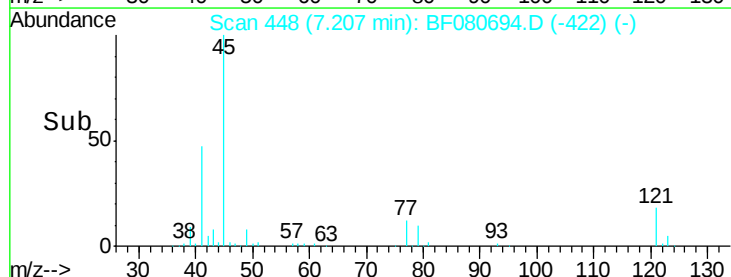
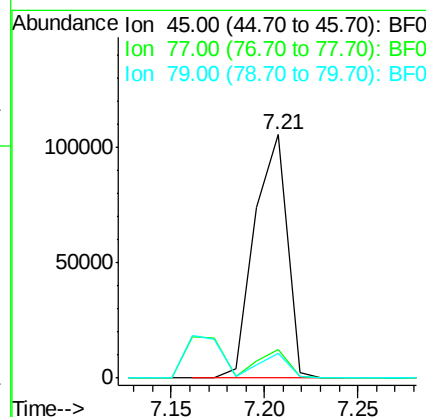
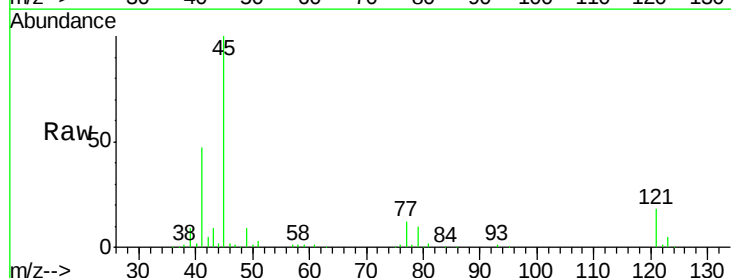
RT: 7.21 min Scan# 448

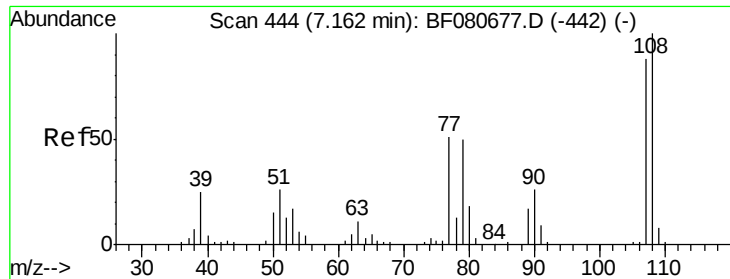
Delta R.T. 0.00 min

Lab File: BF080694.D

Acq: 28 Jul 2015 2:59

Tgt Ion:	45	Resp:	127500
Ion Ratio	Lower	Upper	
45	100		
77	12.0	0.0	33.4
79	9.9	0.0	28.8





#17

2-Methylphenol

Concen: 32.46 ng

RT: 7.17 min Scan# 445

Delta R.T. 0.01 min

Lab File: BF080694.D

Acq: 28 Jul 2015 2:59

Instrument :

BNA_F

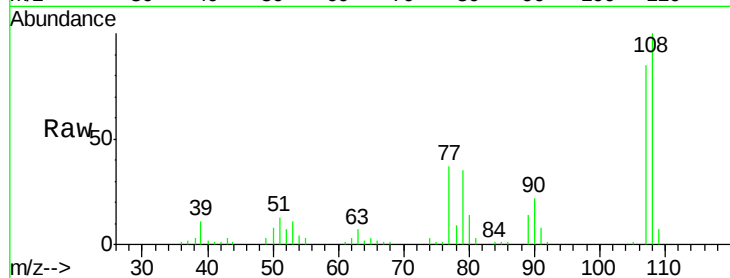
ClientSampleId :

DUMBO-EP-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	118.0	91.3	136.9	
77	44.2	47.0	70.4	
79	41.8	45.6	68.4	

Manual Integrations
APPROVED

apatel
7/29/2015 10:41:28 AM

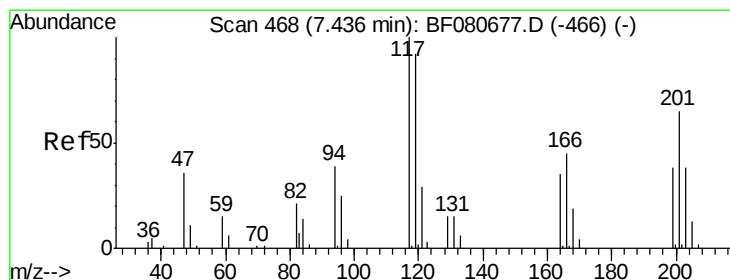
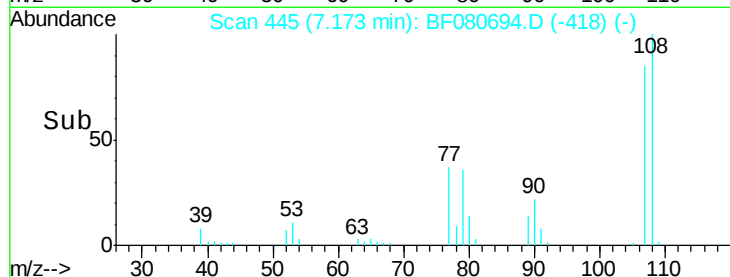
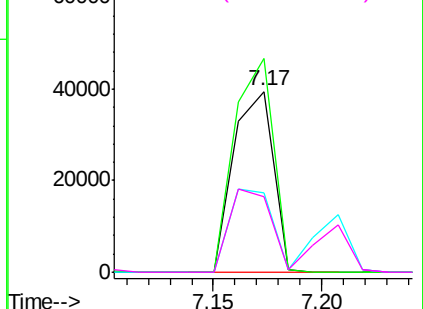


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 33.61 ng

RT: 7.44 min Scan# 468

Delta R.T. 0.00 min

Lab File: BF080694.D

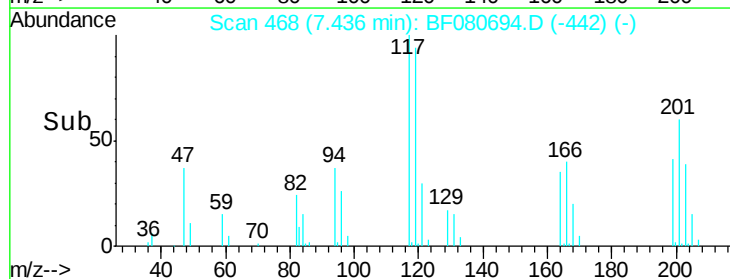
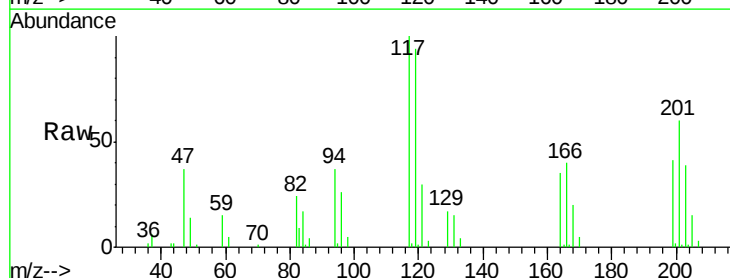
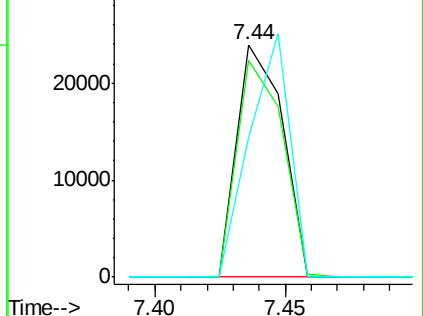
Acq: 28 Jul 2015 2:59

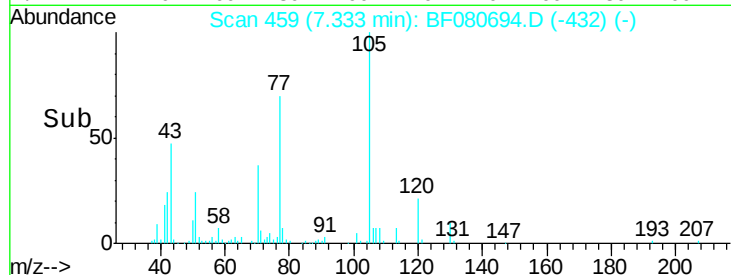
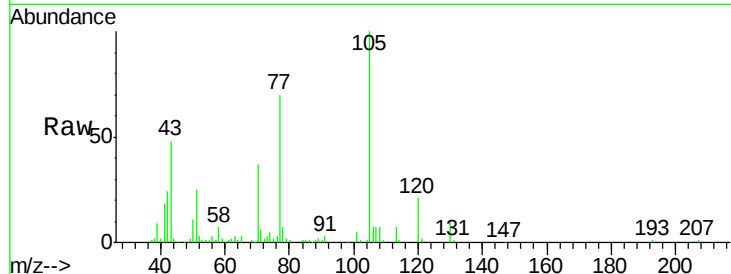
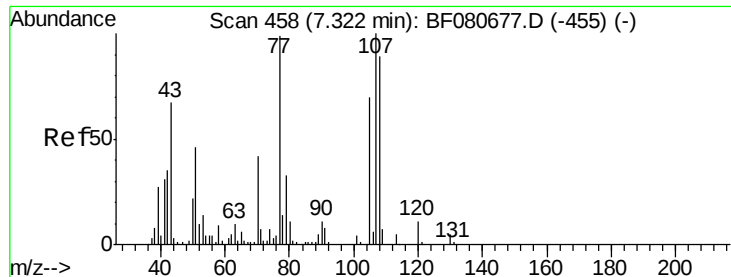
Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	93.6	73.6	110.4	
201	60.3	52.2	78.2	

Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





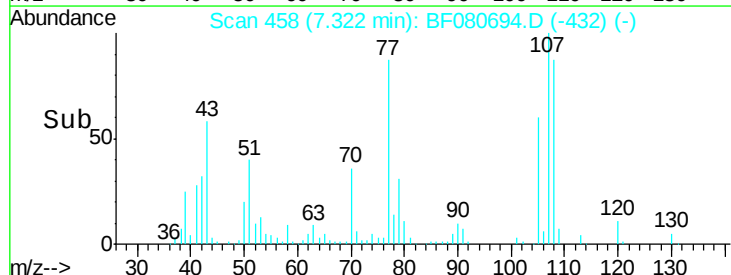
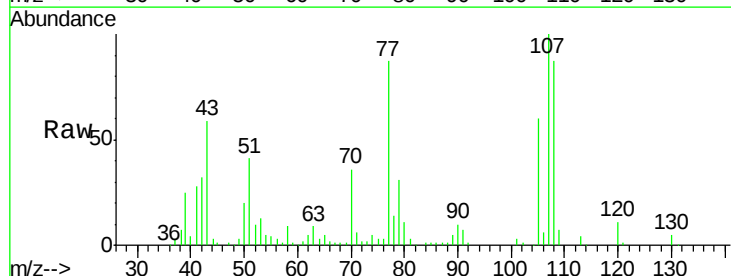
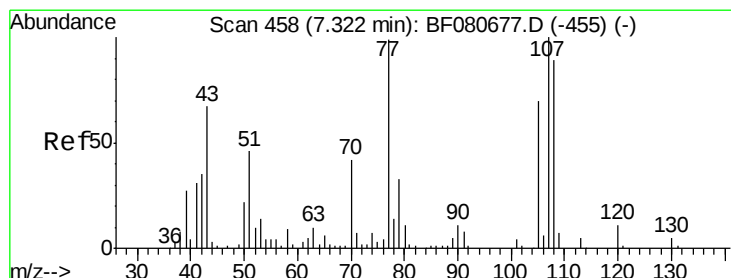
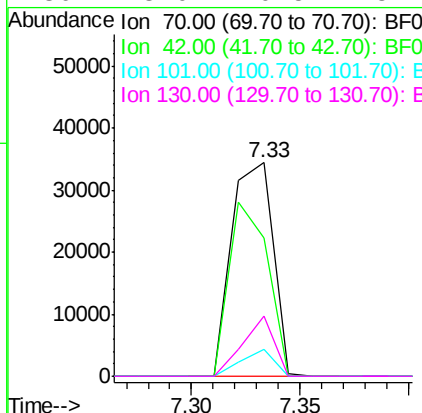
#19
n-Nitroso-di-n-propylamine
Concen: 32.42 ng
RT: 7.33 min Scan# 459
Delta R.T. 0.01 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

Instrument :
BNA_F
ClientSampleId :
DUMBO-EP-3MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	64.5	67.4	101.2#
101	12.6	7.3	10.9#
130	28.0	10.5	15.7#

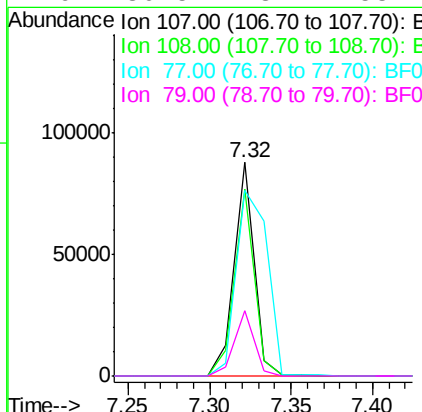
Manual Integrations
APPROVED

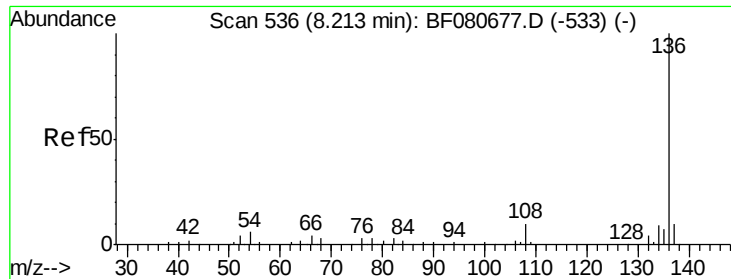
apatel
7/29/2015 10:41:28 AM



#20
3+4-Methylphenols
Concen: 35.09 ng
RT: 7.32 min Scan# 458
Delta R.T. 0.00 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.3	68.7	108.7
77	86.7	78.9	118.9
79	30.5	13.1	53.1





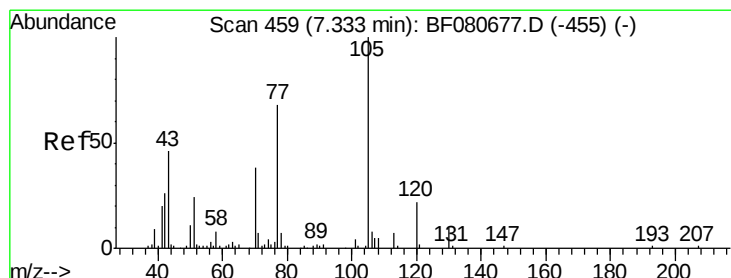
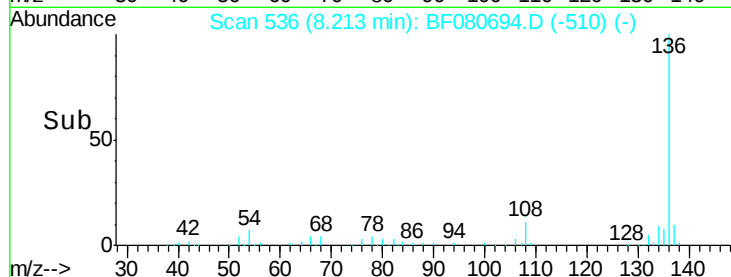
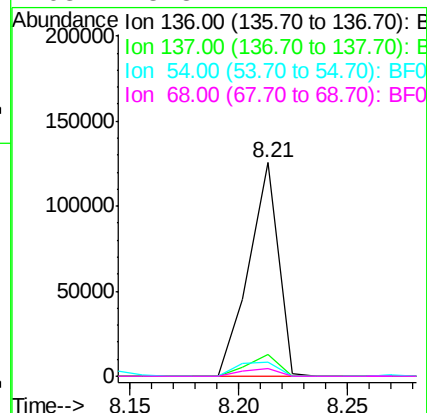
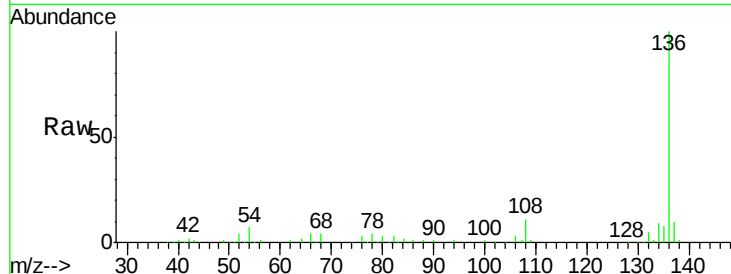
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.21 min Scan# 536
Delta R.T. 0.00 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

Instrument :
BNA_F
ClientSampleId :
DUMBO-EP-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	118110		
137	10.3	8.2	12.2	
54	6.7	5.0	7.4	
68	3.8	2.7	4.1	

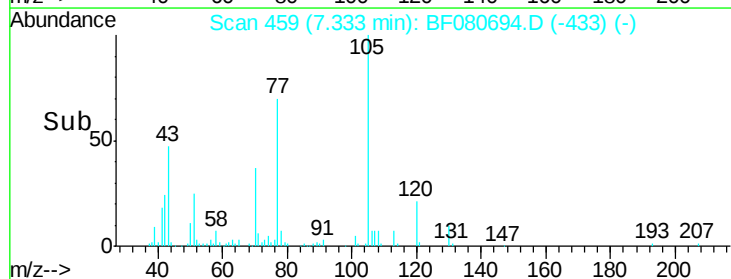
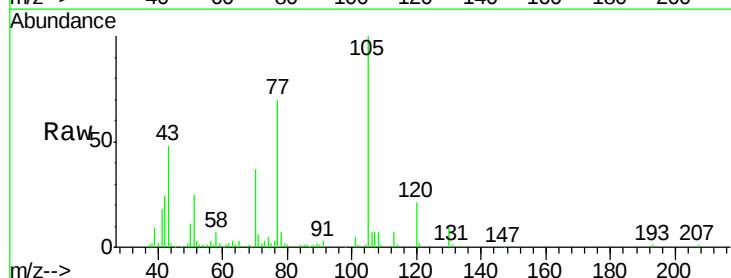
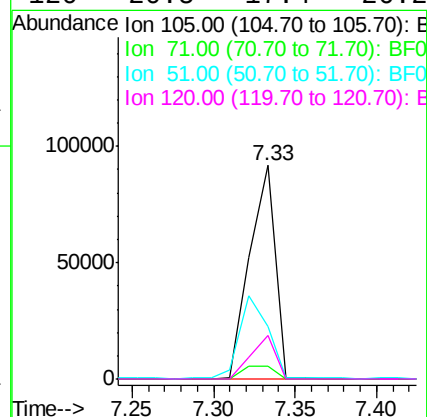
Manual Integrations
APPROVED

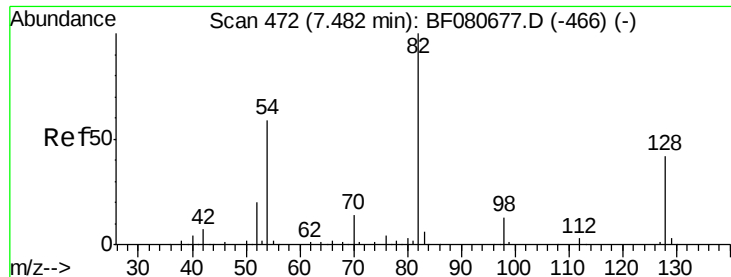
apatel
7/29/2015 10:41:28 AM



#22
Acetophenone
Concen: 32.88 ng
RT: 7.33 min Scan# 459
Delta R.T. 0.00 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	100023		
71	6.0	5.4	8.2	
51	24.8	19.6	29.4	
120	20.5	17.4	26.2	





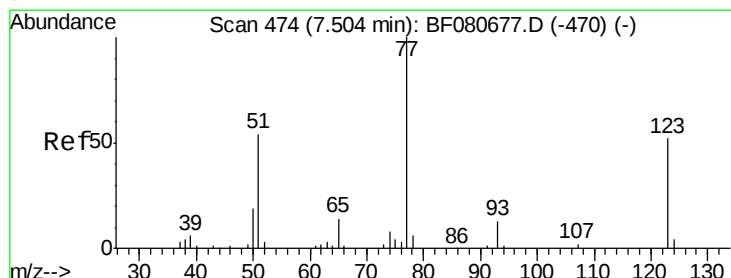
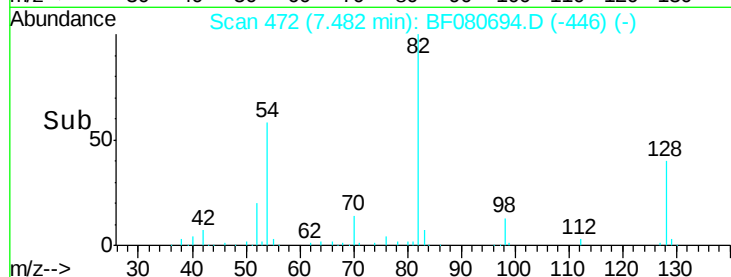
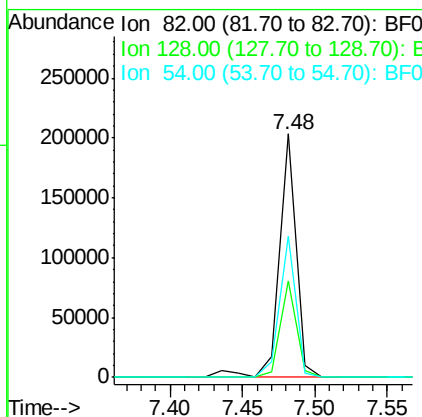
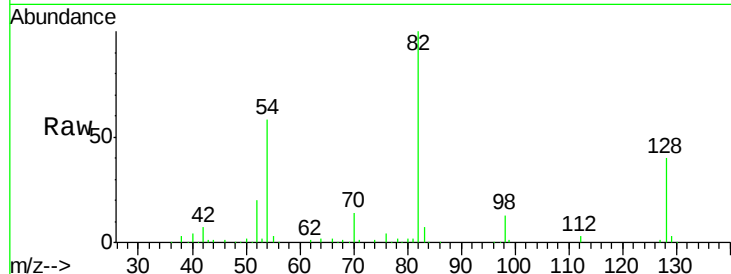
#23
 Nitrobenzene-d5
 Concen: 71.53 ng
 RT: 7.48 min Scan# 472
 Delta R.T. 0.00 min
 Lab File: BF080694.D
 Acq: 28 Jul 2015 2:59

Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-3MSD

Tot Ion	82	Resp	164428
Ion Ratio	100	Lower	Upper
82	100		
128	39.6	33.7	50.5
54	58.0	47.3	70.9

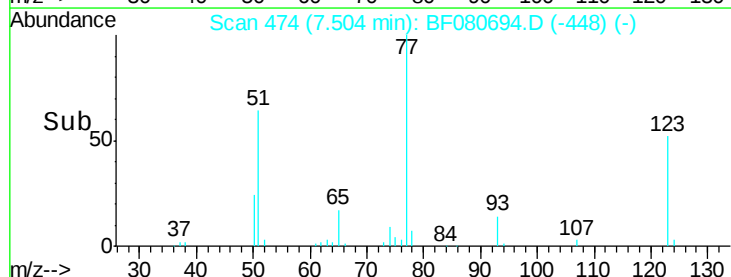
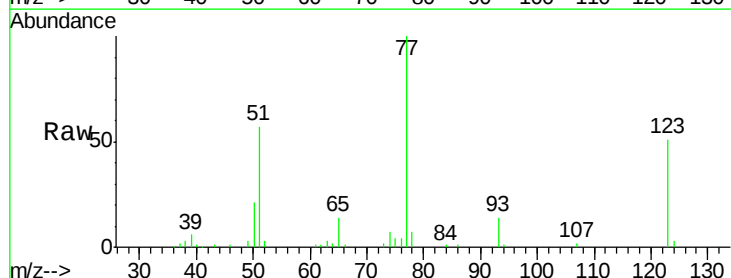
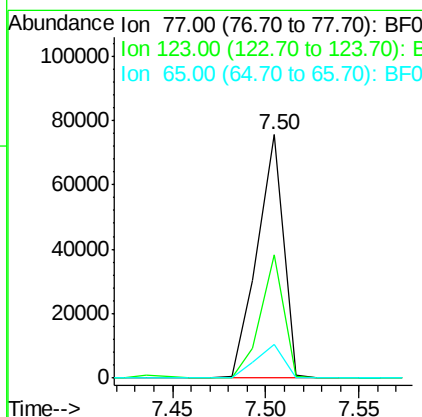
Manual Integrations
 APPROVED

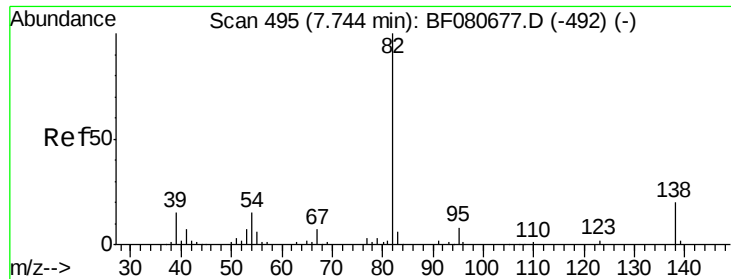
apatel
 7/29/2015 10:41:28 AM



#24
 Nitrobenzene
 Concen: 32.49 ng
 RT: 7.50 min Scan# 474
 Delta R.T. 0.00 min
 Lab File: BF080694.D
 Acq: 28 Jul 2015 2:59

Tgt Ion	77	Resp	73661
Ion Ratio	100	Lower	Upper
77	100		
123	50.7	41.8	62.8
65	13.8	10.8	16.2





#25

Isophorone

Concen: 34.31 ng

RT: 7.74 min Scan# 495

Delta R.T. 0.00 min

Lab File: BF080694.D

Acq: 28 Jul 2015 2:59

Instrument :

BNA_F

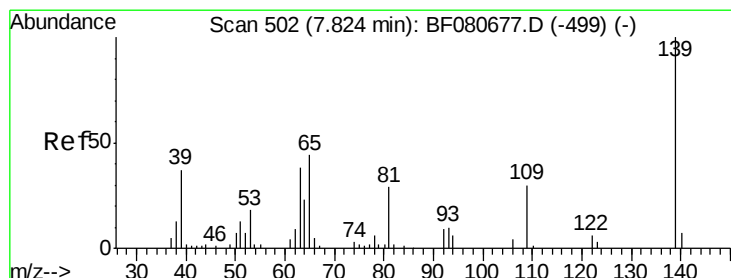
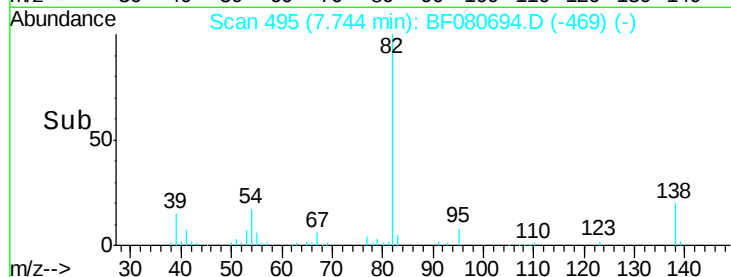
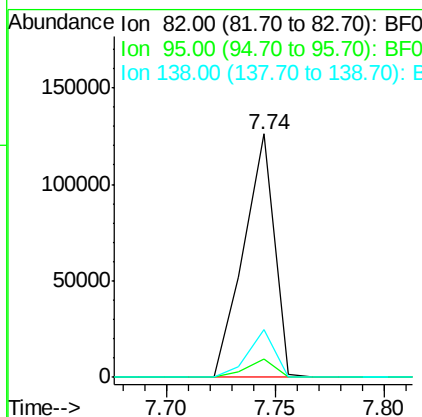
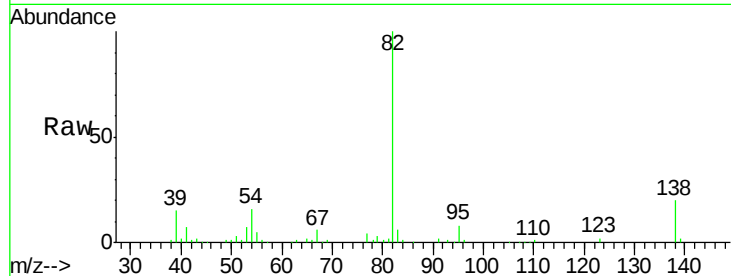
ClientSampleId :

DUMBO-EP-3MSD

Tot Ion:	82	Resp:	122783
Ion Ratio		Lower	Upper
82	100		
95	7.7	6.2	9.2
138	19.6	15.8	23.6

Manual Integrations
APPROVED

apatel
7/29/2015 10:41:28 AM



#26

2-Nitrophenol

Concen: 36.76 ng

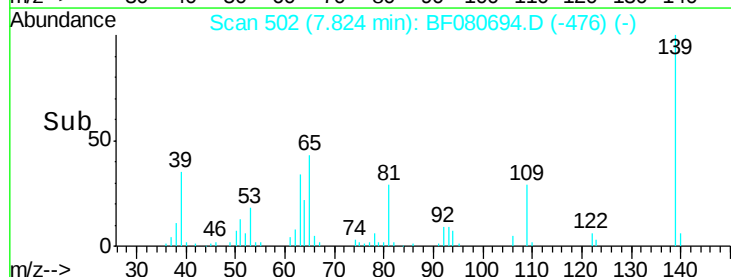
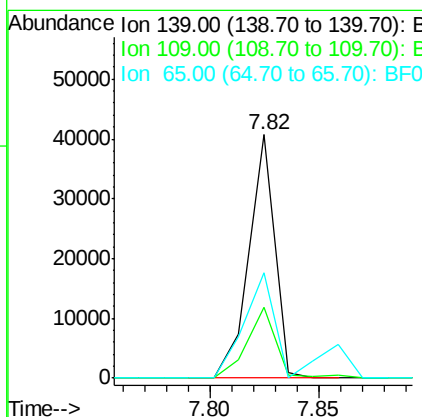
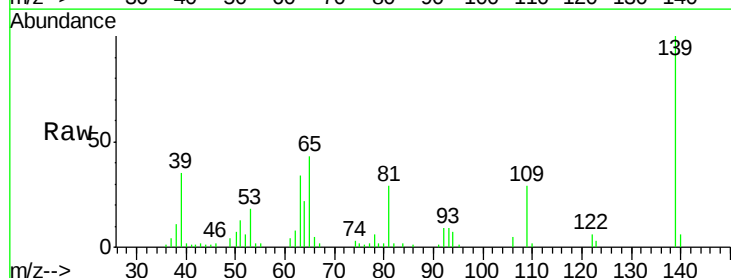
RT: 7.82 min Scan# 502

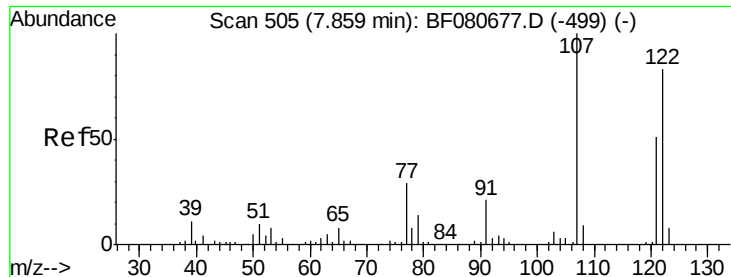
Delta R.T. 0.00 min

Lab File: BF080694.D

Acq: 28 Jul 2015 2:59

Tgt Ion:	139	Resp:	33624
Ion Ratio		Lower	Upper
139	100		
109	28.9	24.2	36.2
65	43.3	35.0	52.6





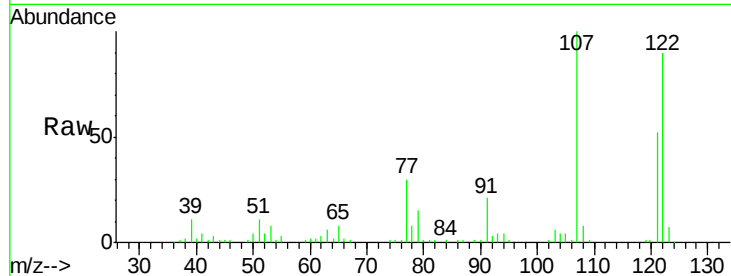
#27
 2,4-Dimethylphenol
 Concen: 35.51 ng
 RT: 7.86 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: BF080694.D
 Acq: 28 Jul 2015 2:59

Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-3MSD

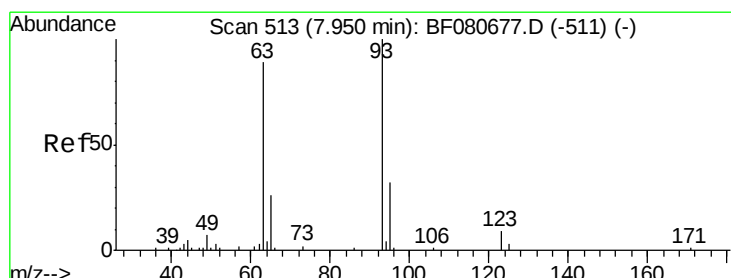
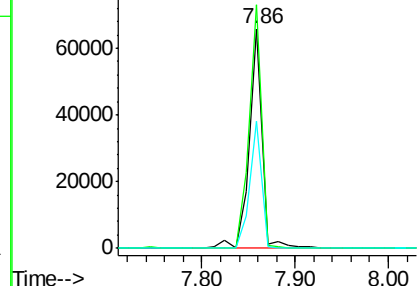
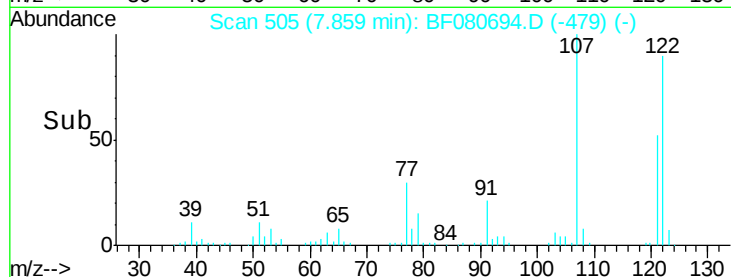
Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		62642		
107	111.0	95.8	143.8		
121	57.7	49.0	73.4		

Manual Integrations
 APPROVED

apatel
 7/29/2015 10:41:28 AM

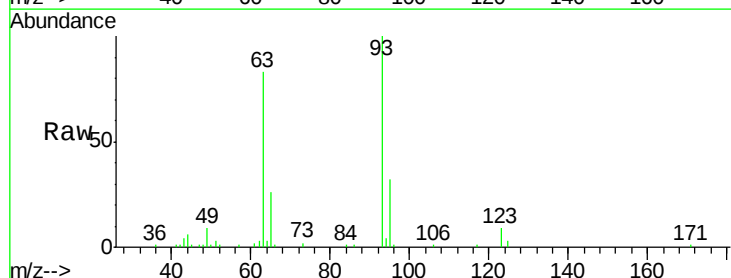


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

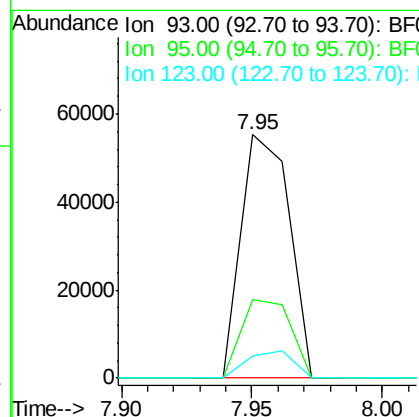
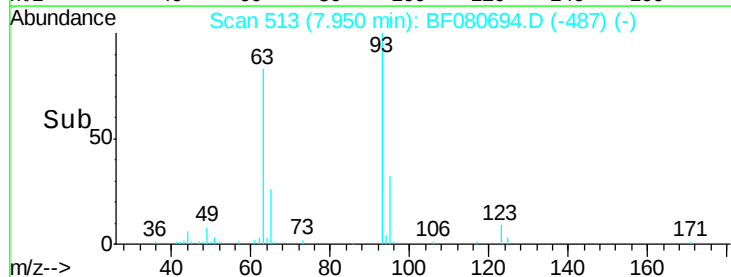


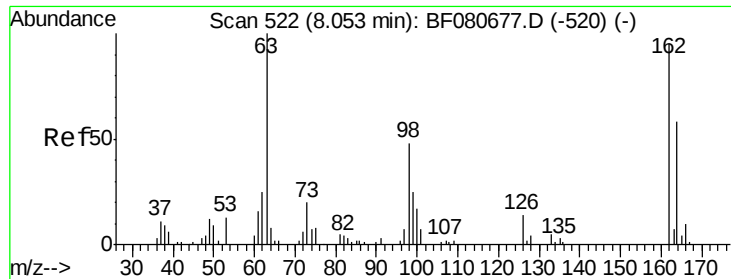
#28
 bis(2-Chloroethoxy)methane
 Concen: 34.09 ng
 RT: 7.95 min Scan# 513
 Delta R.T. 0.00 min
 Lab File: BF080694.D
 Acq: 28 Jul 2015 2:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		71636		
95	32.2	25.3	37.9		
123	9.2	7.0	10.4		



Abundance Ion 93.00 (92.70 to 93.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 123.00 (122.70 to 123.70): E





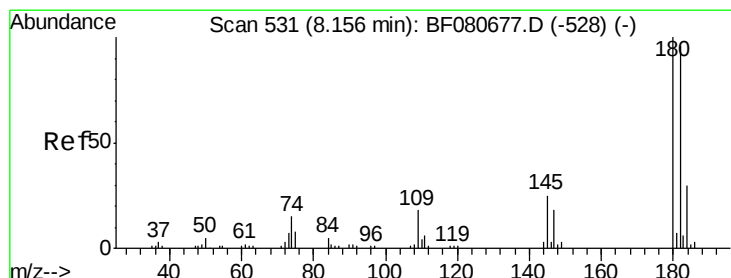
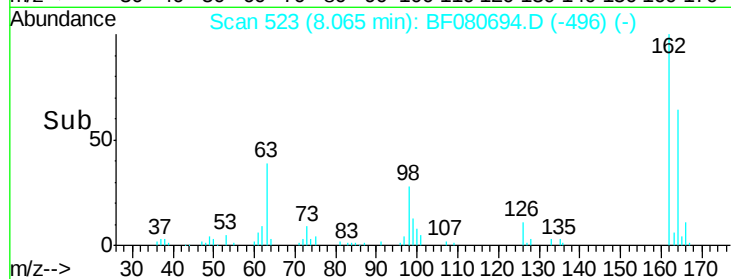
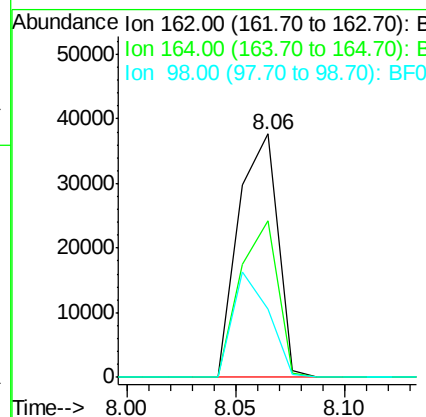
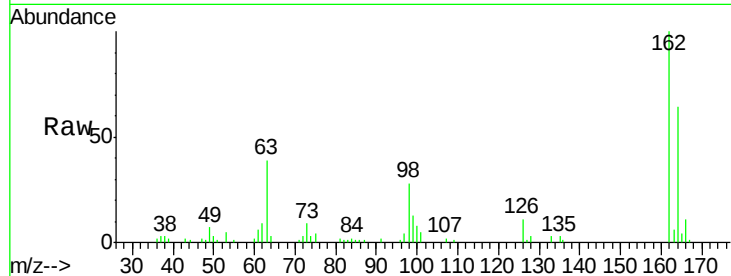
#29
2,4-Dichlorophenol
Concen: 31.60 ng
RT: 8.06 min Scan# 523
Delta R.T. 0.01 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

Instrument :
BNA_F
ClientSampleId :
DUMBO-EP-3MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.1	41.2	81.2
98	28.2	30.4	70.4

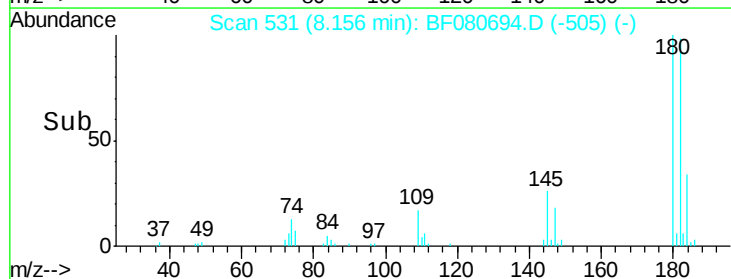
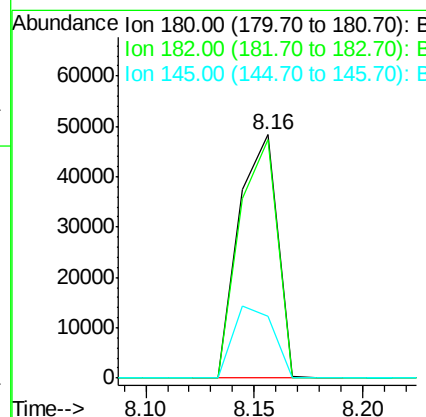
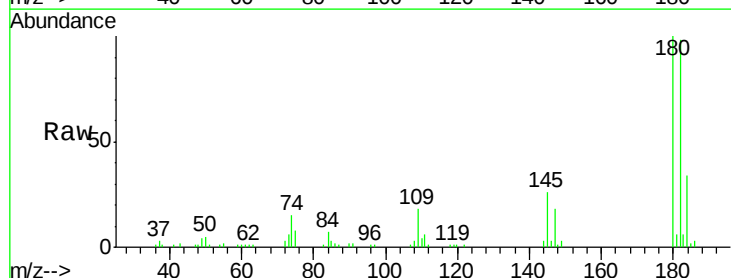
Manual Integrations
APPROVED

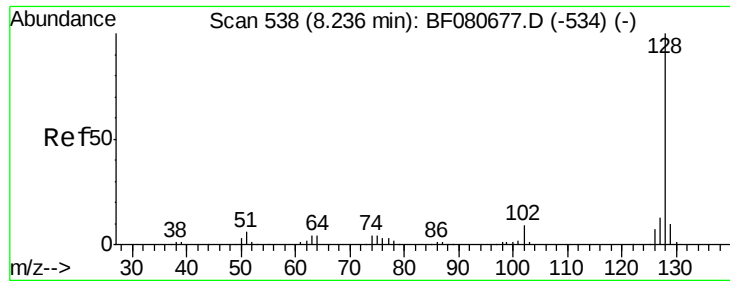
apatel
7/29/2015 10:41:28 AM



#30
1,2,4-Trichlorobenzene
Concen: 31.16 ng
RT: 8.16 min Scan# 531
Delta R.T. 0.00 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	77.1	115.7
145	25.5	20.0	30.0





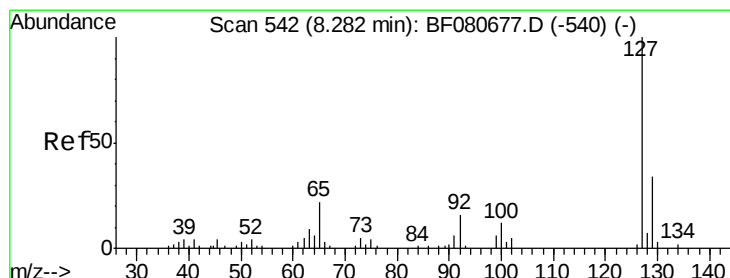
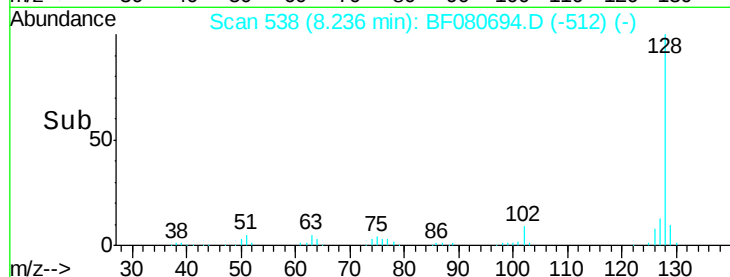
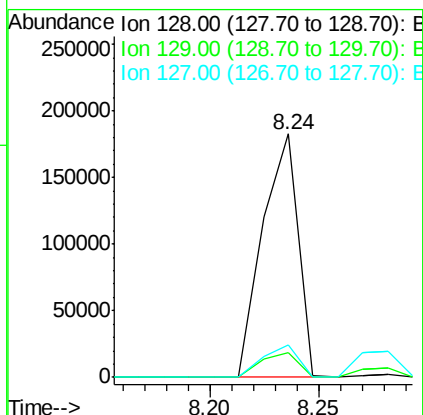
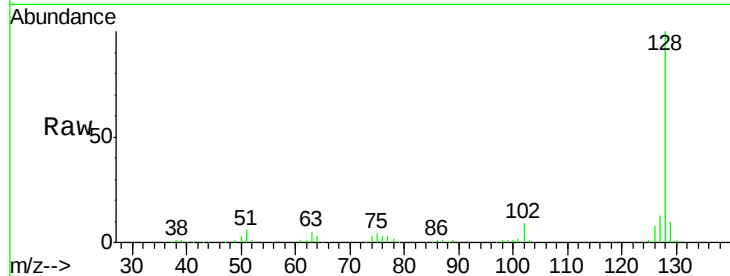
#31
Naphthalene
Concen: 35.97 ng
RT: 8.24 min Scan# 538
Delta R.T. 0.00 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

Instrument :
BNA_F
ClientSampleId :
DUMBO-EP-3MSD

Tot Ion	Ratio	Resp Lower	Upper
128	100		
129	10.3	8.3	12.5
127	13.3	10.5	15.7

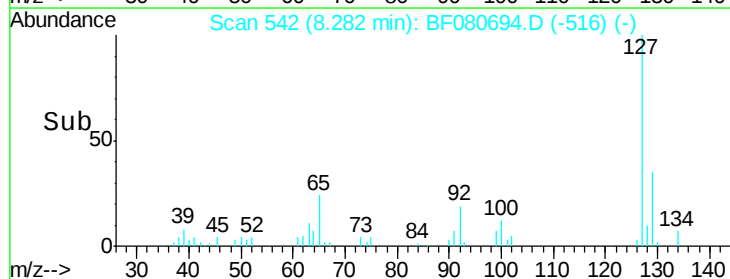
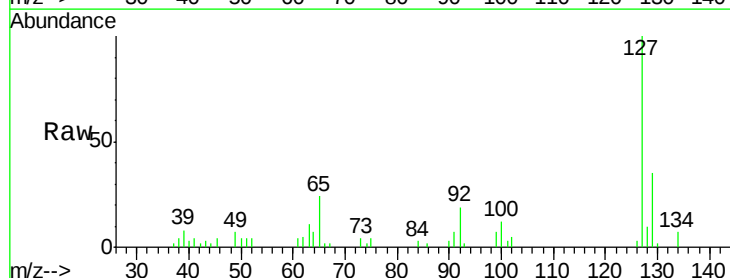
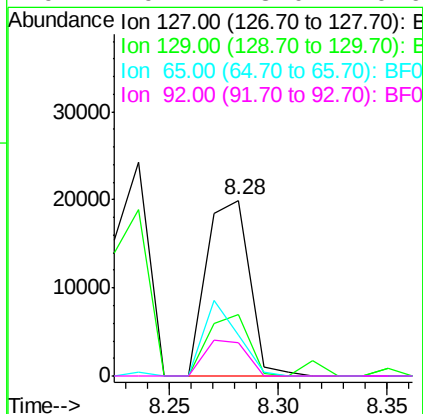
Manual Integrations
APPROVED

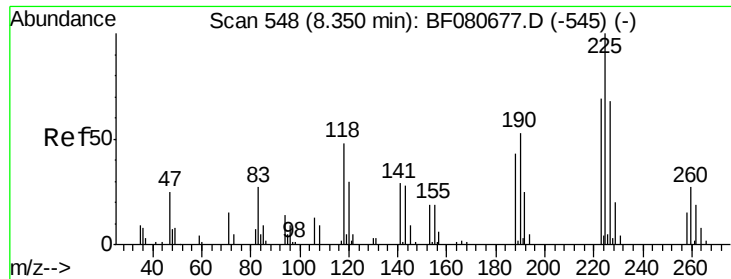
apatel
7/29/2015 10:41:28 AM



#33
4-Chloroaniline
Concen: 13.10 ng
RT: 8.28 min Scan# 542
Delta R.T. 0.00 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

Tgt Ion	Ratio	Resp Lower	Upper
127	100		
129	34.6	26.8	40.2
65	23.6	17.6	26.4
92	19.2	13.0	19.6





#34

Hexachlorobutadiene

Concen: 31.57 ng

RT: 8.35 min Scan# 548

Delta R.T. 0.00 min

Lab File: BF080694.D

Acq: 28 Jul 2015 2:59

Instrument :

BNA_F

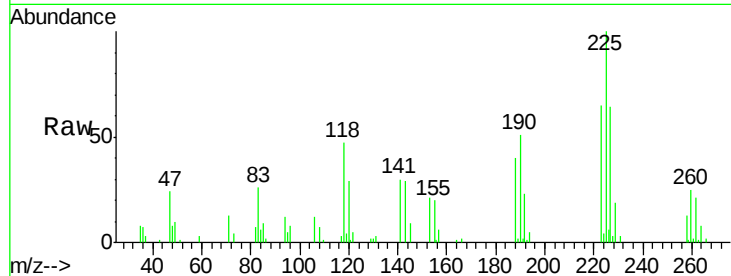
ClientSampleId :

DUMBO-EP-3MSD

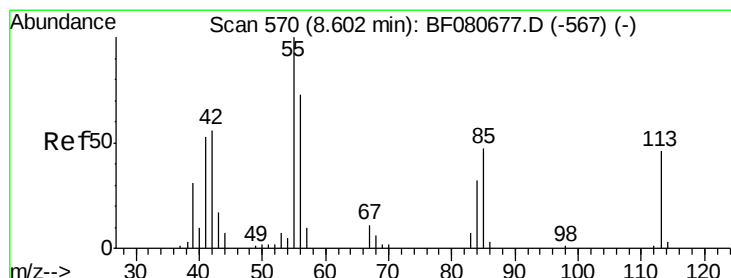
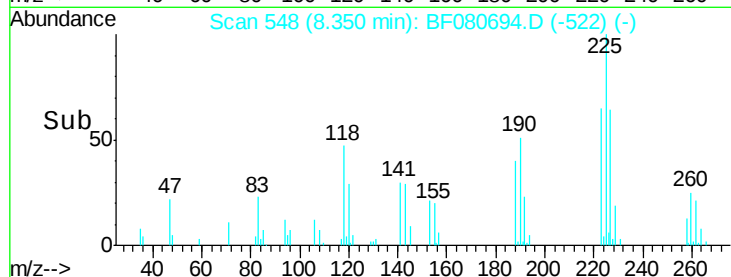
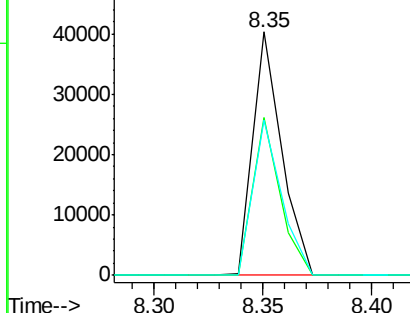
Tot Ion:	225	Resp:	37308
Ion Ratio	Lower	Upper	
225	100		
223	65.1	55.0	82.6
227	64.0	54.0	81.0

Manual Integrations
APPROVED

apatel
7/29/2015 10:41:28 AM



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E



#35

Caprolactam

Concen: 37.90 ng

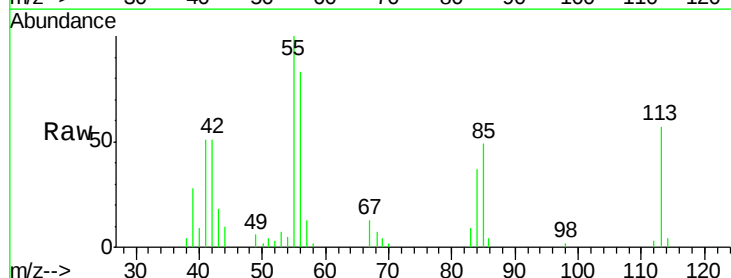
RT: 8.60 min Scan# 570

Delta R.T. 0.00 min

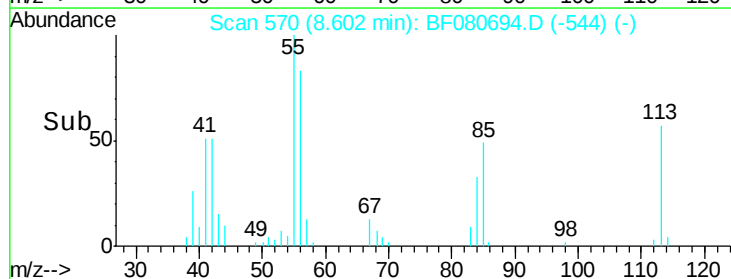
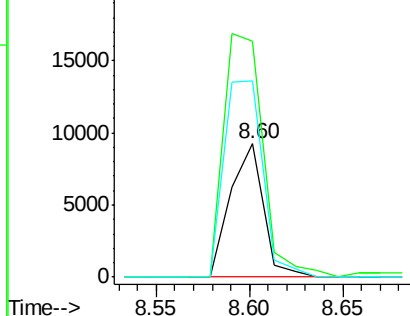
Lab File: BF080694.D

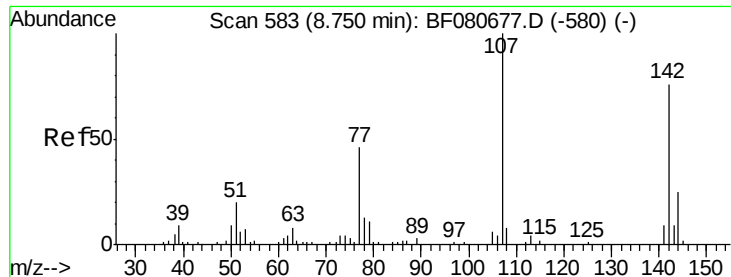
Acq: 28 Jul 2015 2:59

Tgt Ion:	113	Resp:	11458
Ion Ratio	Lower	Upper	
113	100		
55	176.7	198.5	238.5#
56	147.4	139.5	179.5



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





#36

4-Chloro-3-methylphenol

Concen: 33.67 ng

RT: 8.75 min Scan# 583

Delta R.T. 0.00 min

Lab File: BF080694.D

Acq: 28 Jul 2015 2:59

Instrument :

BNA_F

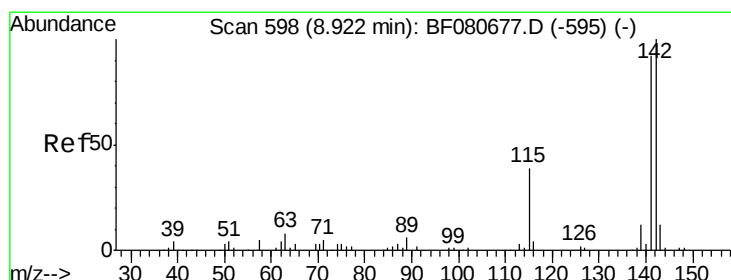
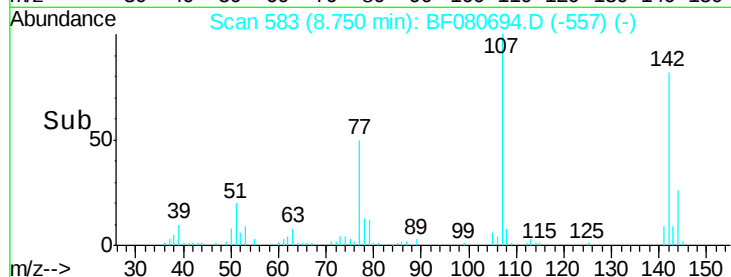
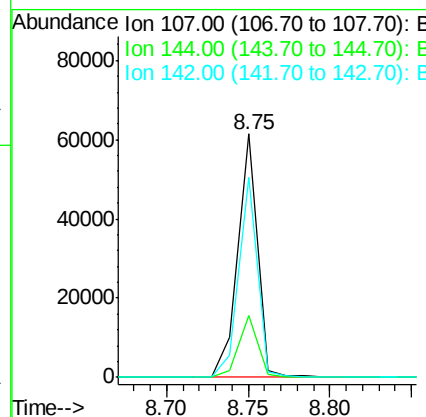
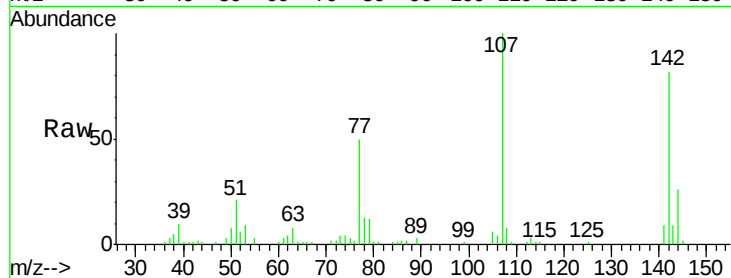
ClientSampleId :

DUMBO-EP-3MSD

Tot Ion:	107	Resp:	50838
Ion Ratio	Lower	Upper	
107	100		
144	25.6	20.0	30.0
142	82.2	61.0	91.6

Manual Integrations
APPROVED

apatel
7/29/2015 10:41:28 AM



#37

2-Methylnaphthalene

Concen: 36.32 ng

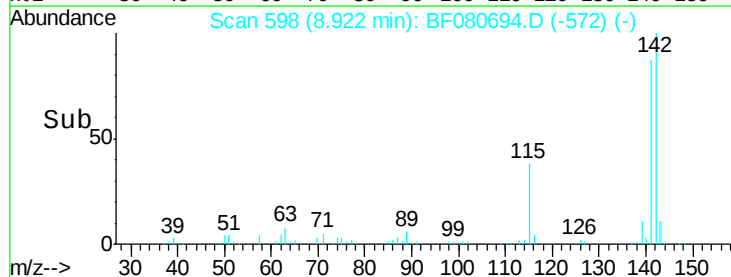
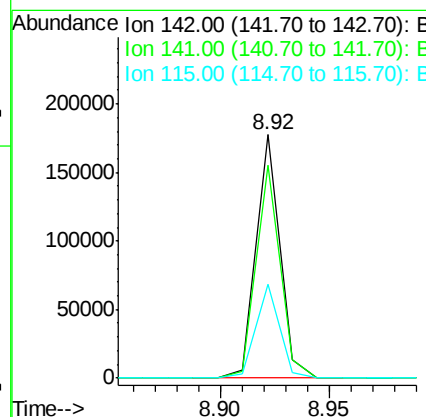
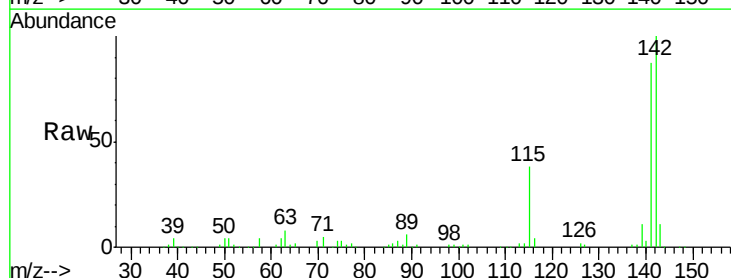
RT: 8.92 min Scan# 598

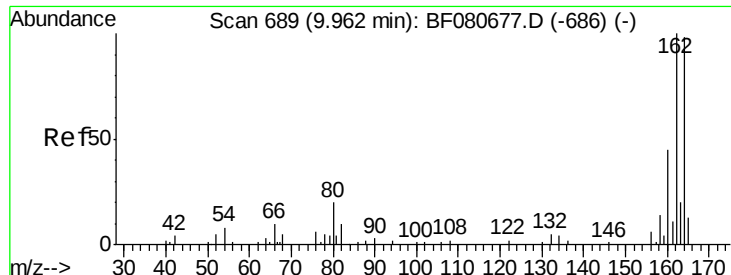
Delta R.T. 0.00 min

Lab File: BF080694.D

Acq: 28 Jul 2015 2:59

Tgt Ion:	142	Resp:	134717
Ion Ratio	Lower	Upper	
142	100		
141	87.3	73.4	110.0
115	38.4	31.0	46.4





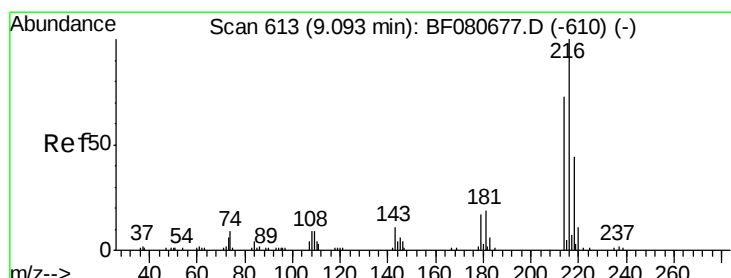
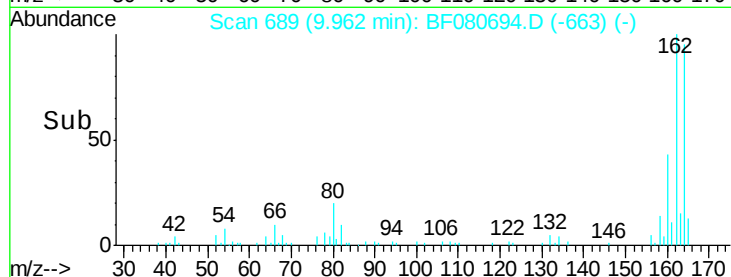
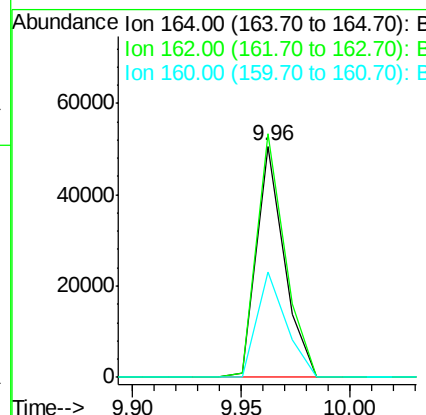
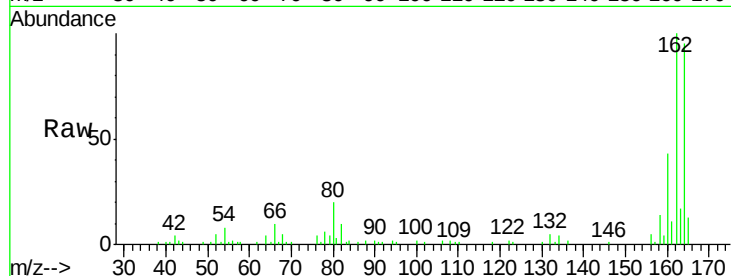
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.96 min Scan# 689
Delta R.T. 0.00 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

Instrument :
BNA_F
ClientSampleId :
DUMBO-EP-3MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.3	82.0	123.0
160	45.4	36.7	55.1

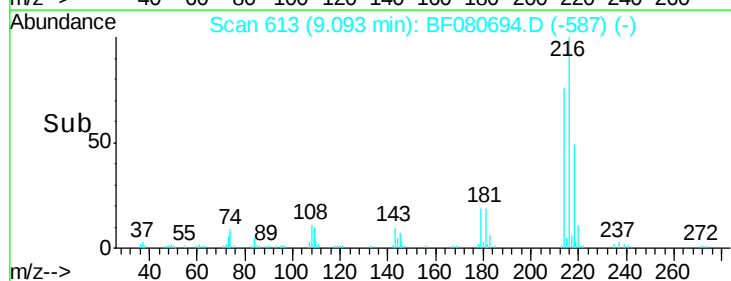
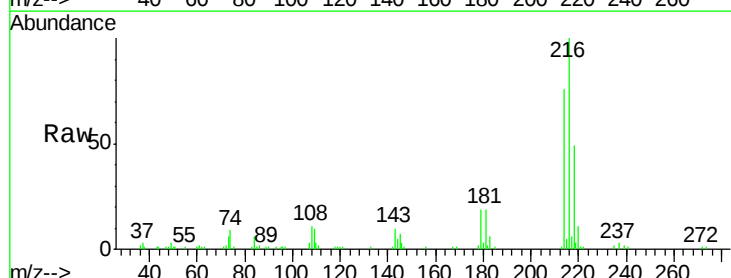
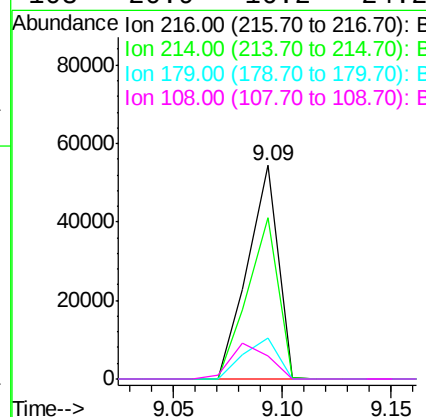
Manual Integrations
APPROVED

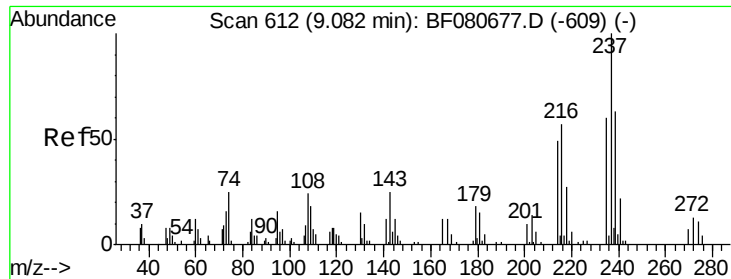
apatel
7/29/2015 10:41:28 AM



#39
1,2,4,5-Tetrachlorobenzene
Concen: 32.23 ng
RT: 9.09 min Scan# 613
Delta R.T. 0.00 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

Tgt Ion	Ratio	Lower	Upper
216	100		
214	76.2	61.6	92.4
179	21.3	17.4	26.0
108	20.9	16.2	24.2





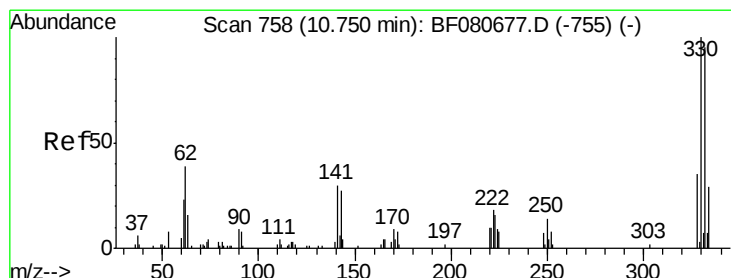
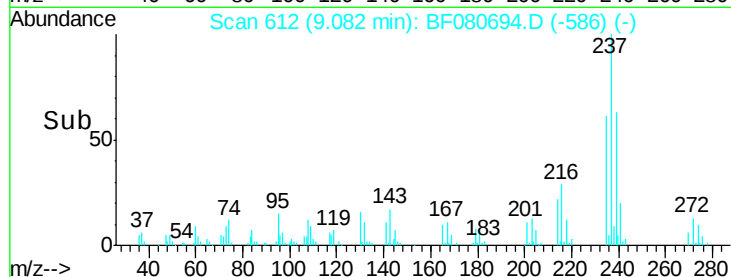
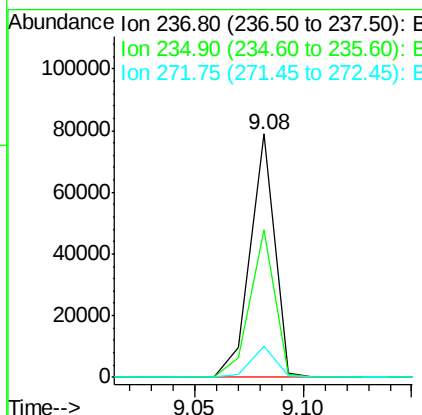
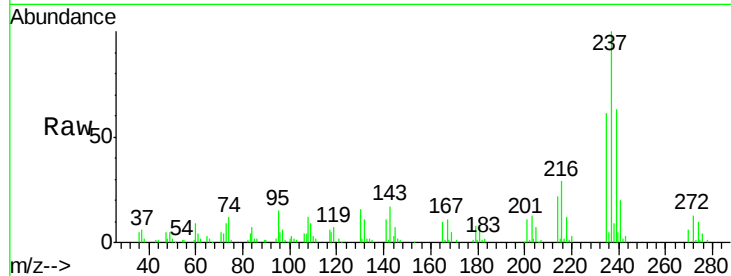
#40
Hexachlorocyclopentadiene
Concen: 58.79 ng
RT: 9.08 min Scan# 612
Delta R.T. 0.00 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

Instrument :
BNA_F
ClientSampleId :
DUMBO-EP-3MSD

Tot Ion	Ratio	Resp Lower	Upper
237	100		
235	60.6	40.5	80.5
272	12.6	0.0	33.5

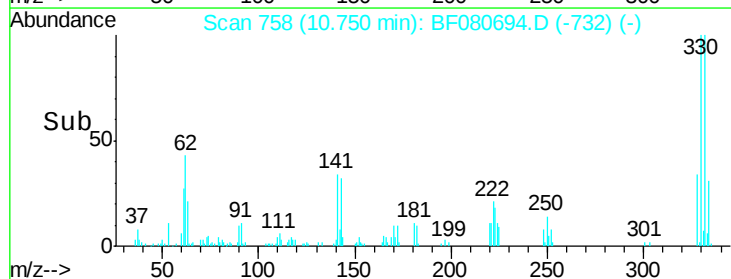
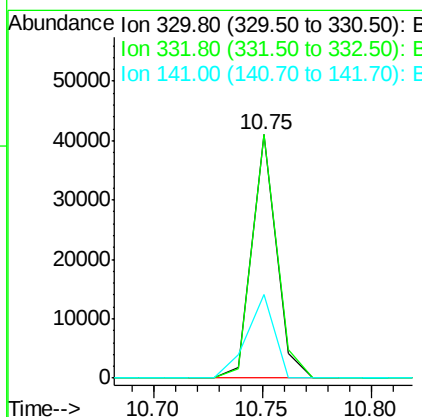
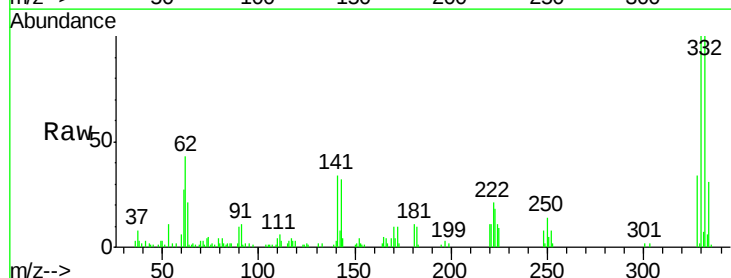
Manual Integrations
APPROVED

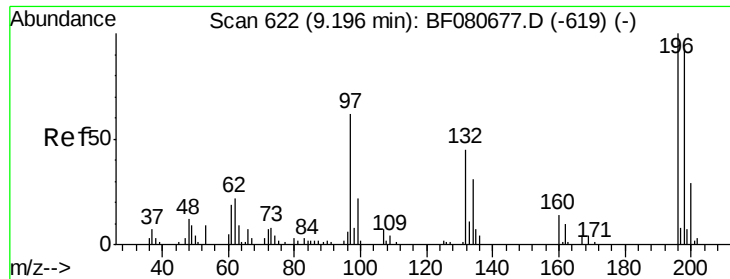
apatel
7/29/2015 10:41:28 AM



#41
2,4,6-Tribromophenol
Concen: 82.05 ng
RT: 10.75 min Scan# 758
Delta R.T. 0.00 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	100.6	76.9	115.3
141	38.5	30.6	45.8





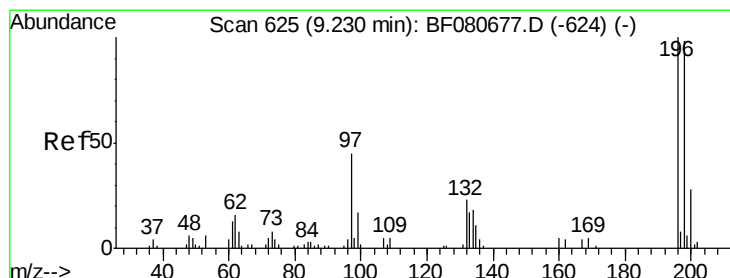
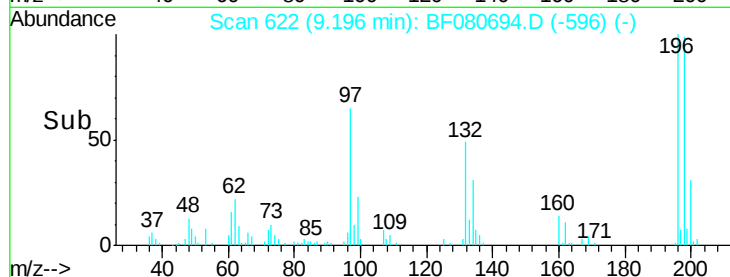
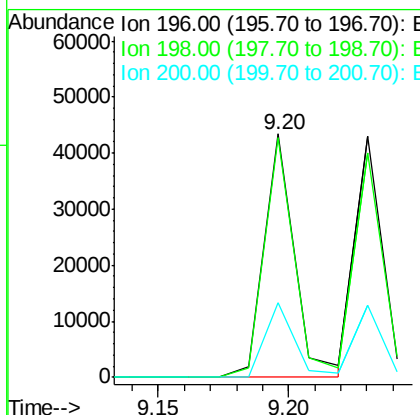
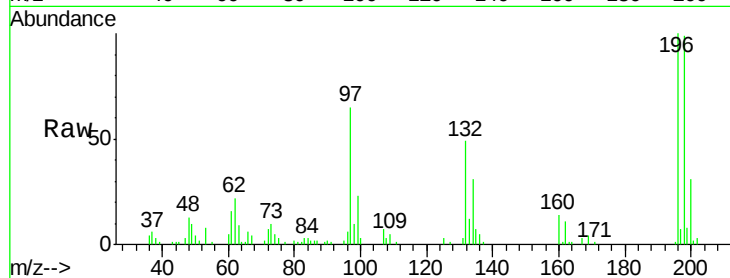
#42
 2,4,6-Trichlorophenol
 Concen: 32.10 ng
 RT: 9.20 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BF080694.D
 Acq: 28 Jul 2015 2:59

Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	34953		
198	98.7	74.4	111.6	
200	30.9	23.6	35.4	

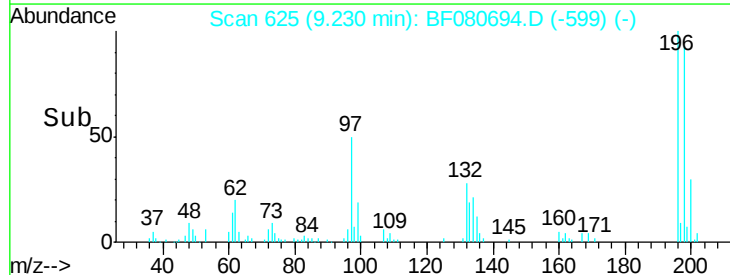
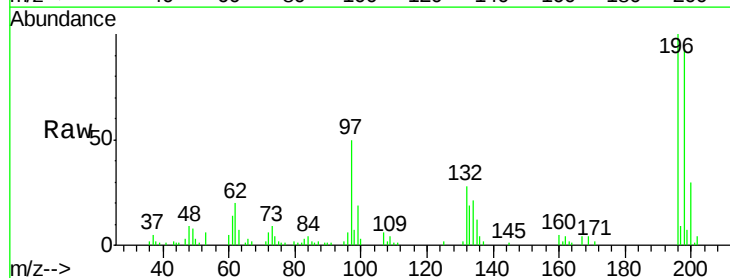
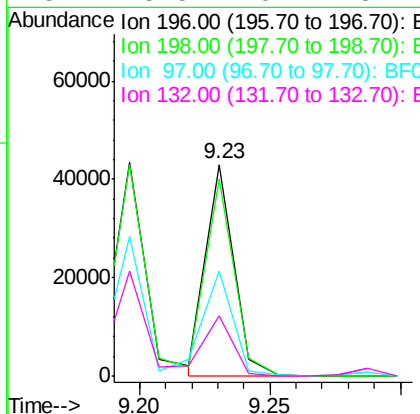
Manual Integrations
 APPROVED

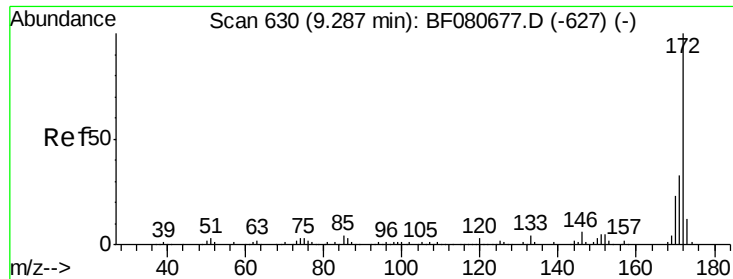
apatel
 7/29/2015 10:41:28 AM



#43
 2,4,5-Trichlorophenol
 Concen: 31.77 ng
 RT: 9.23 min Scan# 625
 Delta R.T. 0.00 min
 Lab File: BF080694.D
 Acq: 28 Jul 2015 2:59

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	31980		
198	92.9	77.3	115.9	
97	49.8	39.6	59.4	
132	28.5	20.7	31.1	





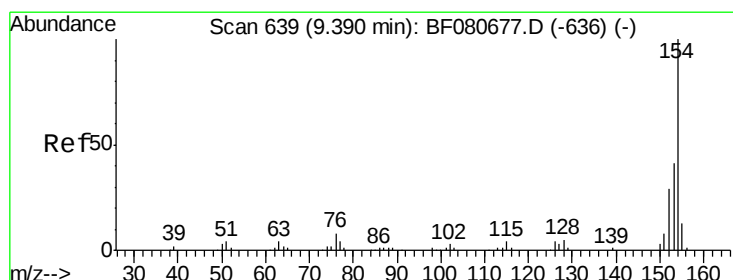
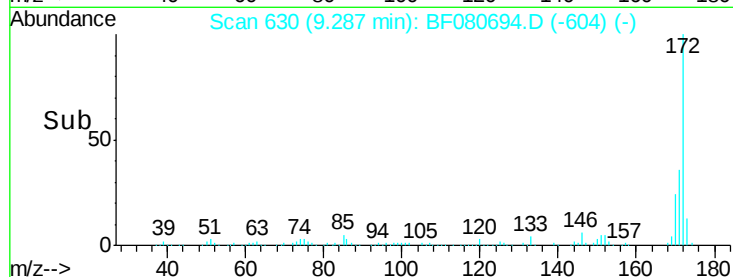
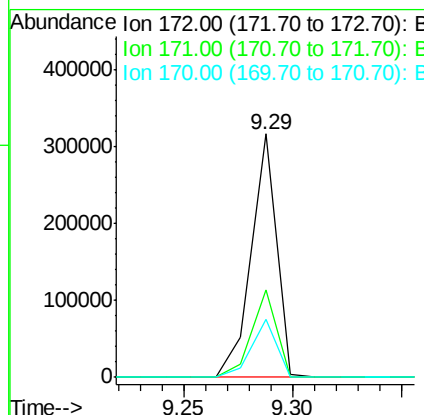
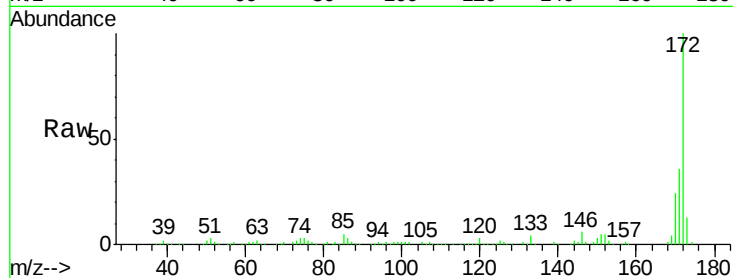
#44
 2-Fluorobiphenyl
 Concen: 71.88 ng
 RT: 9.29 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: BF080694.D
 Acq: 28 Jul 2015 2:59

Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-3MSD

Tot Ion:	172	Resp:	255650
Ion Ratio	Lower	Upper	
172	100		
171	36.0	26.6	39.8
170	23.8	18.6	28.0

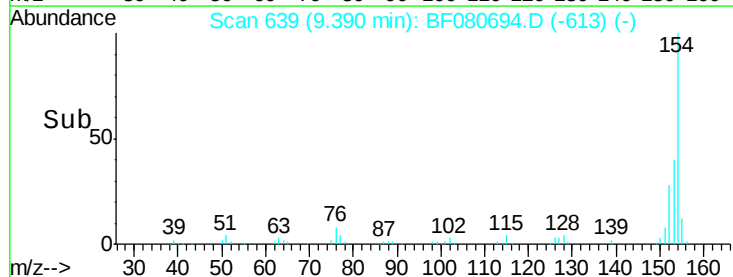
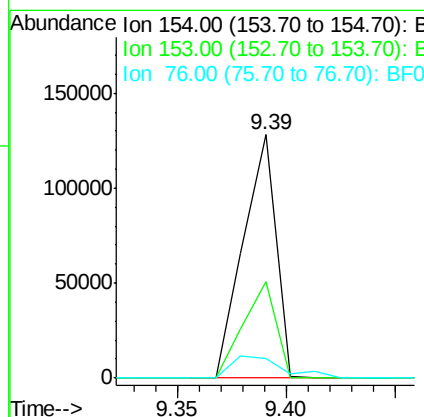
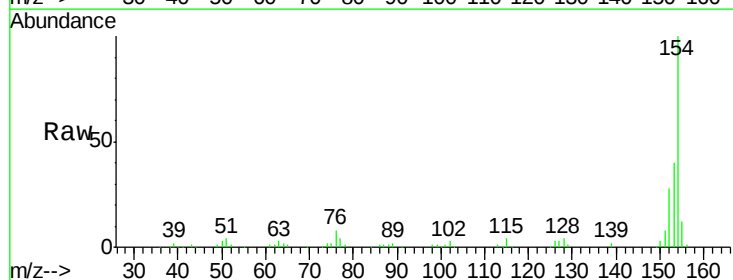
Manual Integrations
 APPROVED

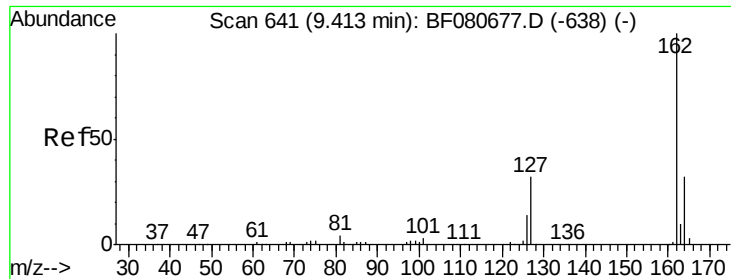
apatel
 7/29/2015 10:41:28 AM



#45
 1,1'-Biphenyl
 Concen: 35.45 ng
 RT: 9.39 min Scan# 639
 Delta R.T. 0.00 min
 Lab File: BF080694.D
 Acq: 28 Jul 2015 2:59

Tgt Ion:	154	Resp:	133462
Ion Ratio	Lower	Upper	
154	100		
153	39.7	21.1	61.1
76	7.8	0.0	28.0





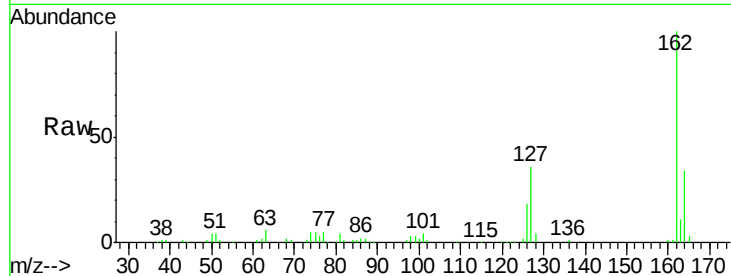
#46
2-Chloronaphthalene
Concen: 32.38 ng
RT: 9.41 min Scan# 641
Delta R.T. 0.00 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

Instrument :
BNA_F
ClientSampleId :
DUMBO-EP-3MSD

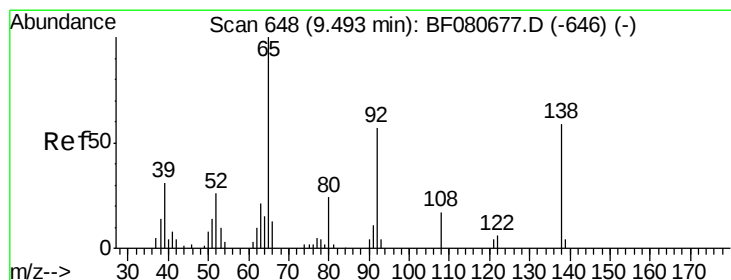
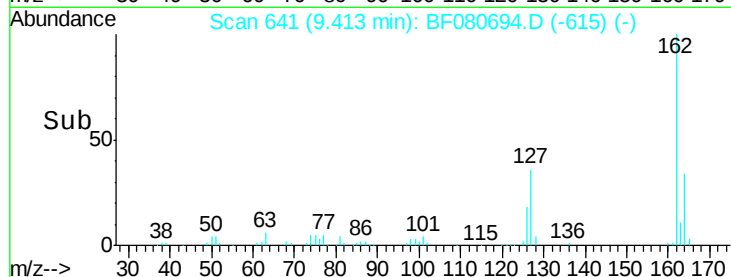
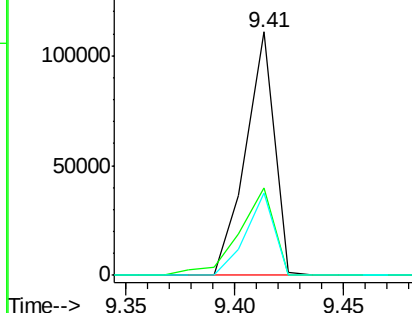
Tot Ion	Ratio	Resp Lower	Upper
162	100		
127	36.2	27.2	40.8
164	33.7	25.8	38.6

Manual Integrations
APPROVED

apatel
7/29/2015 10:41:28 AM

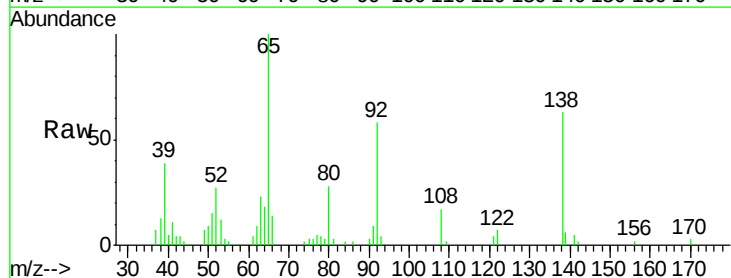


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

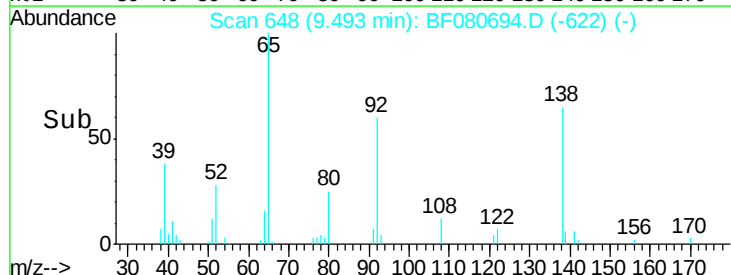
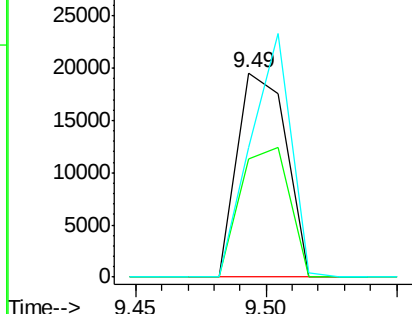


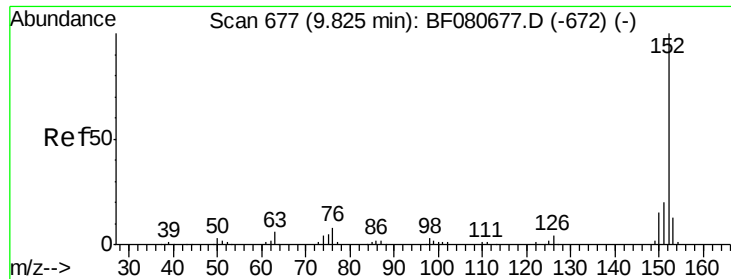
#47
2-Nitroaniline
Concen: 34.35 ng
RT: 9.49 min Scan# 648
Delta R.T. 0.00 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

Tgt Ion	Ratio	Resp Lower	Upper
65	100		
92	57.9	45.9	68.9
138	63.3	47.0	70.4



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E





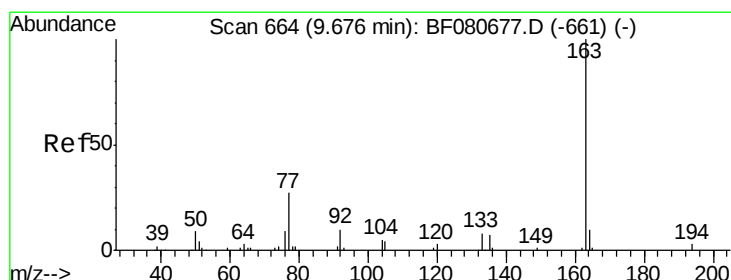
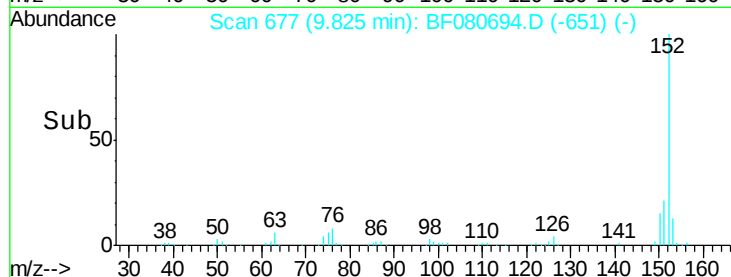
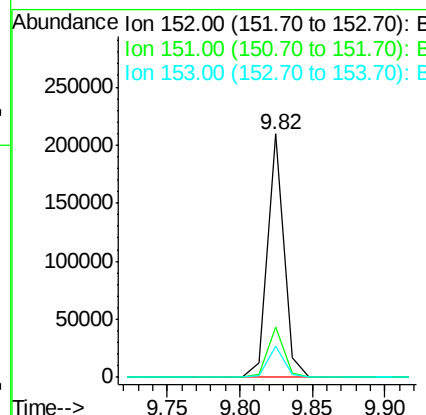
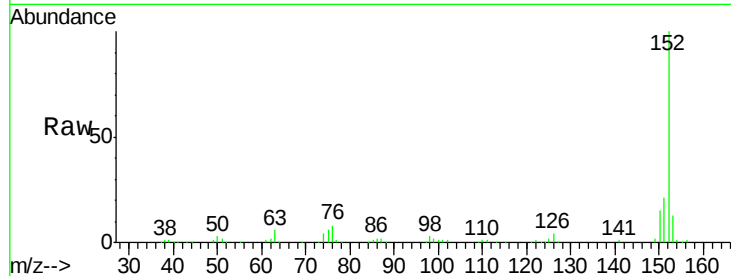
#48
Acenaphthylene
Concen: 33.26 ng
RT: 9.82 min Scan# 677
Delta R.T. 0.00 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

Instrument :
BNA_F
ClientSampleId :
DUMBO-EP-3MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.9	15.7	23.5
153	13.0	10.2	15.4

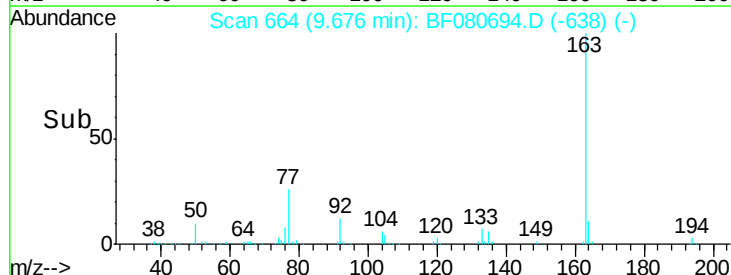
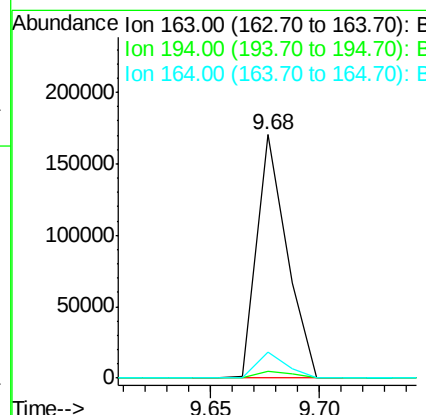
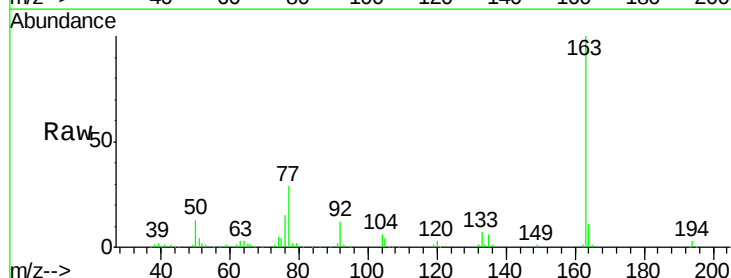
Manual Integrations
APPROVED

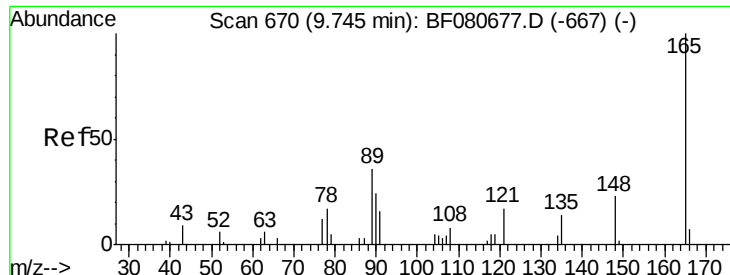
apatel
7/29/2015 10:41:28 AM



#49
Dimethylphthalate
Concen: 56.14 ng
RT: 9.68 min Scan# 664
Delta R.T. 0.00 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.4	3.6
164	10.6	8.1	12.1





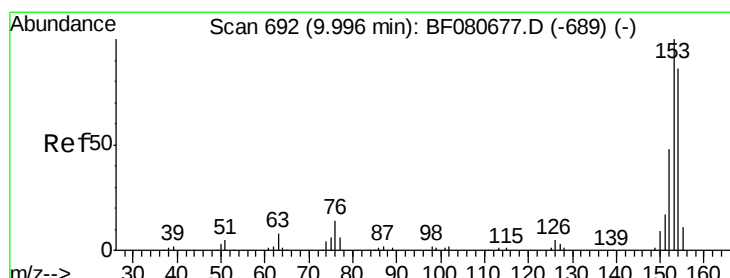
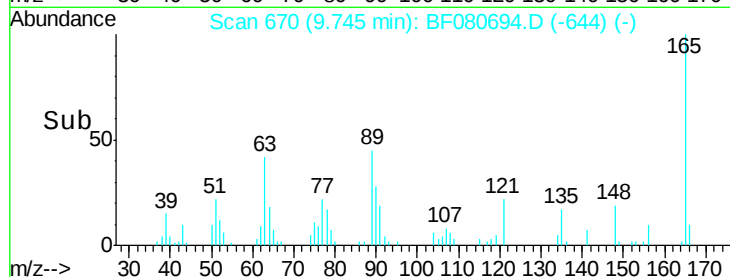
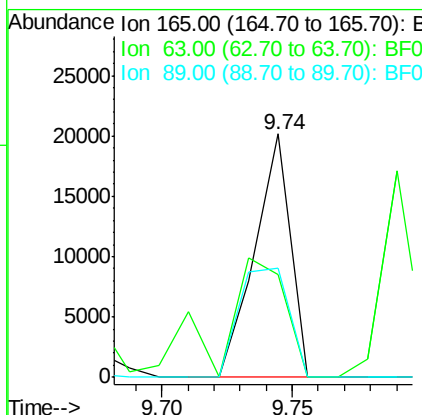
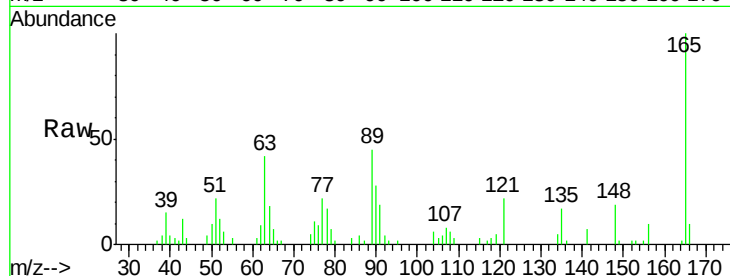
#50
 2,6-Dinitrotoluene
 Concen: 33.46 ng
 RT: 9.74 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: BF080694.D
 Acq: 28 Jul 2015 2:59

Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-3MSD

Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	42.3	27.1	40.7#
89	44.8	29.0	43.6#

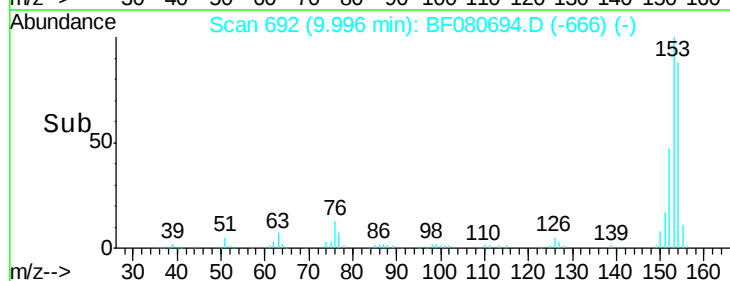
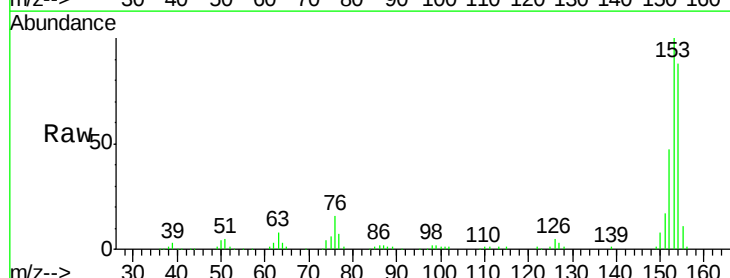
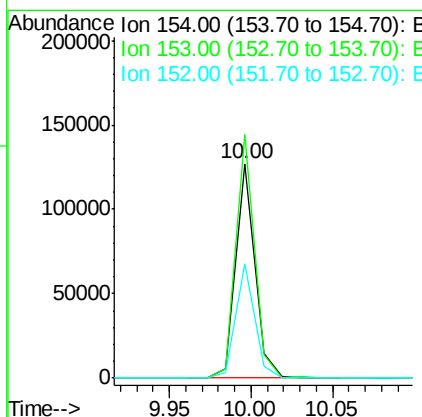
Manual Integrations
 APPROVED

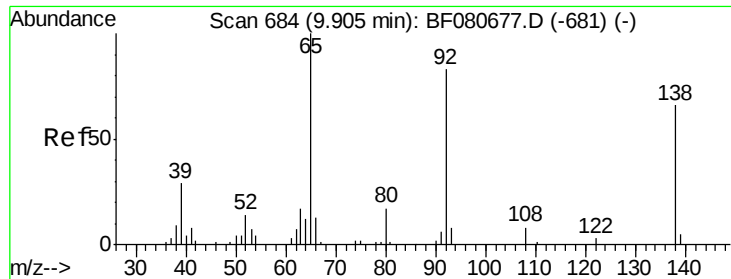
apatel
 7/29/2015 10:41:28 AM



#51
 Acenaphthene
 Concen: 35.15 ng
 RT: 10.00 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: BF080694.D
 Acq: 28 Jul 2015 2:59

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	113.6	92.8	139.2
152	53.4	44.6	66.8





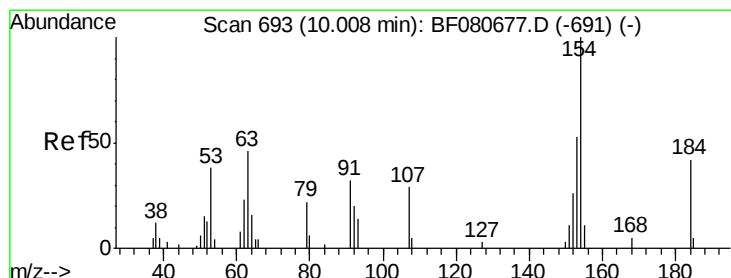
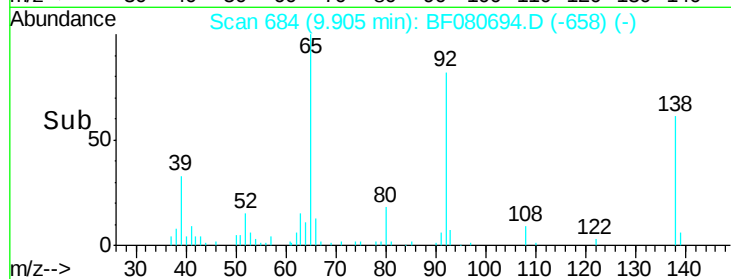
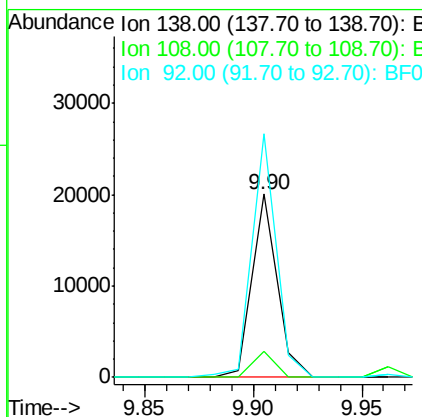
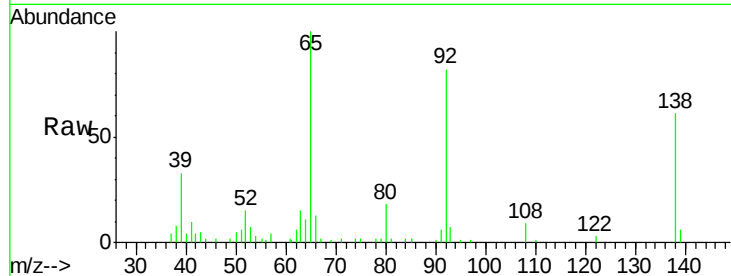
#52
3-Nitroaniline
Concen: 24.55 ng
RT: 9.90 min Scan# 684
Delta R.T. 0.00 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

Instrument :
BNA_F
ClientSampleId :
DUMBO-EP-3MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	14.3	10.3	15.5
92	132.9	100.6	151.0

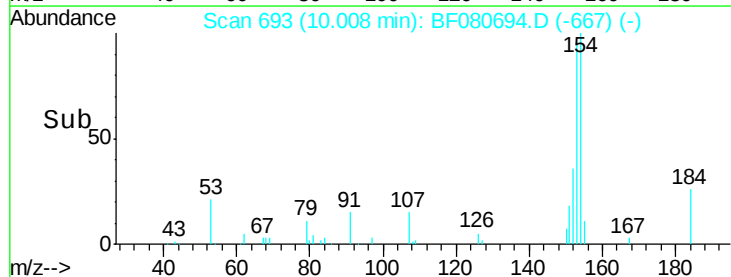
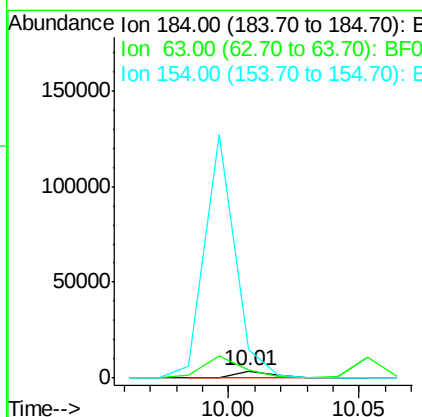
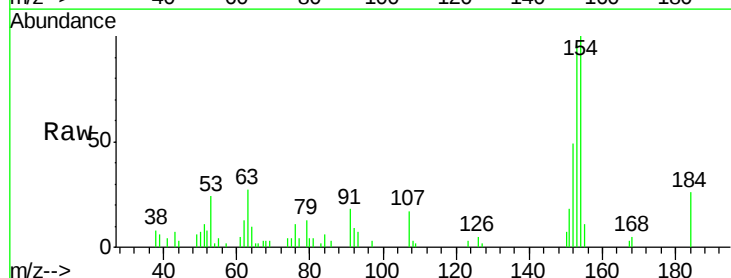
Manual Integrations
APPROVED

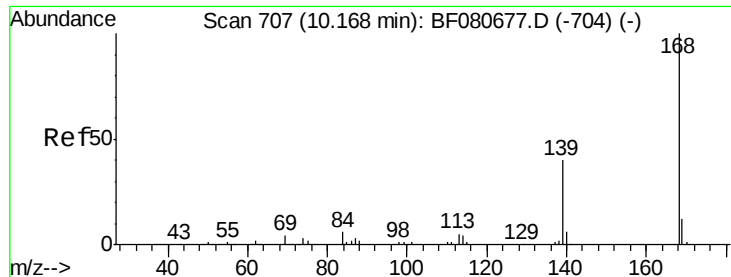
apatel
7/29/2015 10:41:28 AM



#53
2,4-Dinitrophenol
Concen: 26.09 ng
RT: 10.01 min Scan# 693
Delta R.T. 0.00 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

Tgt Ion	Ratio	Lower	Upper
184	100		
63	102.2	104.5	156.7#
154	384.3	276.3	414.5





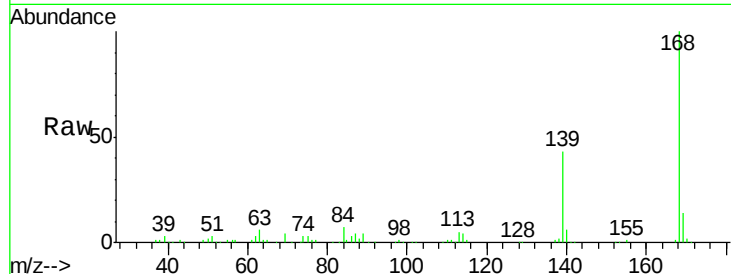
#54
Dibenzofuran
Concen: 36.16 ng
RT: 10.17 min Scan# 707
Delta R.T. 0.00 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

Instrument :
BNA_F
ClientSampleId :
DUMBO-EP-3MSD

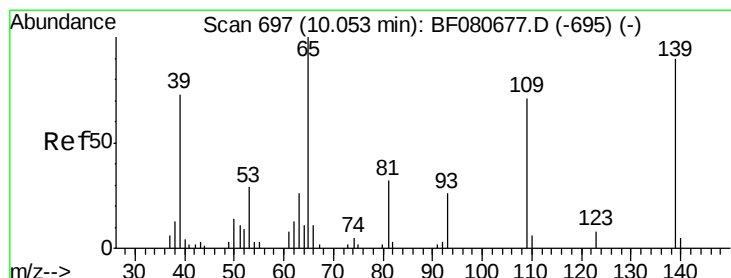
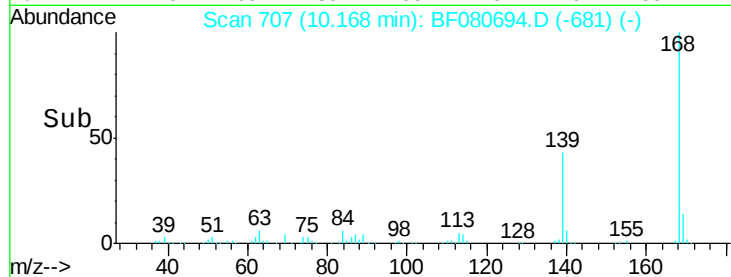
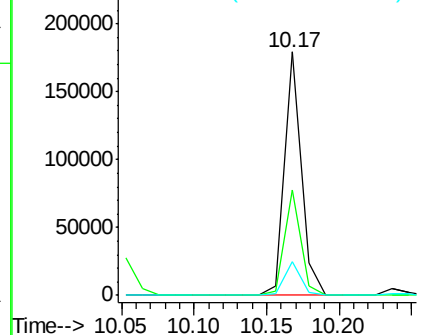
Tot Ion	Ratio	Lower	Upper
168	100		
139	43.3	31.8	47.8
169	13.6	9.8	14.6

Manual Integrations
APPROVED

apatel
7/29/2015 10:41:28 AM

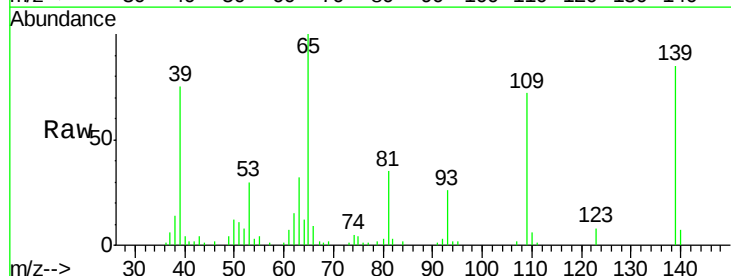


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

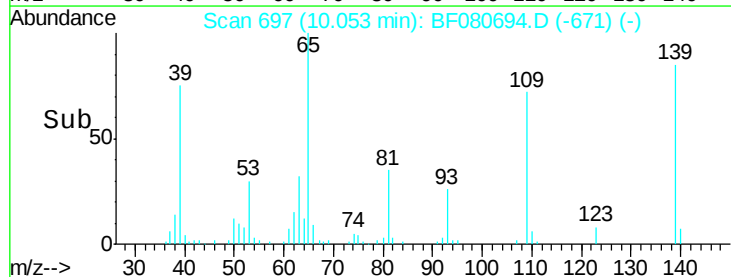
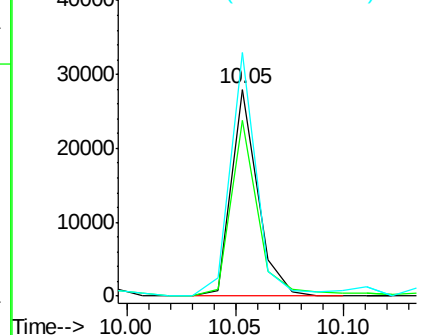


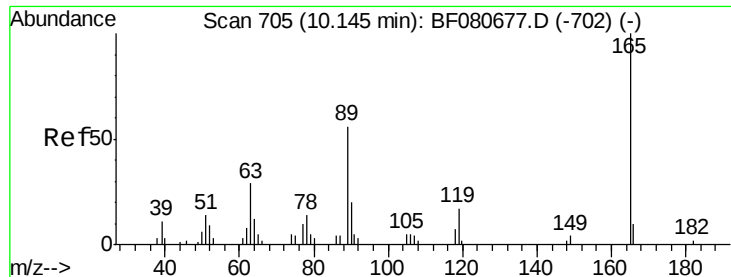
#55
4-Nitrophenol
Concen: 53.68 ng
RT: 10.05 min Scan# 697
Delta R.T. 0.00 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

Tgt Ion	Ratio	Lower	Upper
139	100		
109	85.0	58.4	98.4
65	117.7	90.5	130.5



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





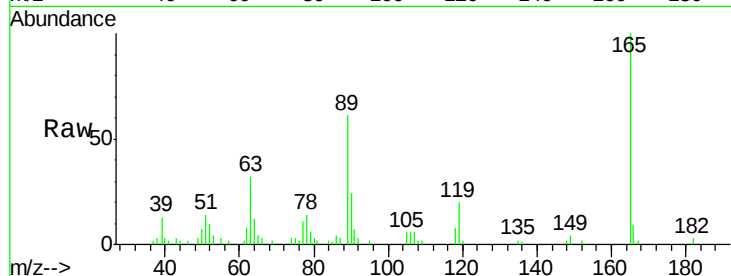
#56
2,4-Dinitrotoluene
Concen: 33.75 ng
RT: 10.14 min Scan# 705
Delta R.T. 0.00 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

Instrument :
BNA_F
ClientSampleId :
DUMBO-EP-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	22192		
63	32.0	23.2	34.8	
89	61.0	44.6	67.0	
182	2.8	1.9	2.9	

Manual Integrations
APPROVED

apatel
7/29/2015 10:41:28 AM

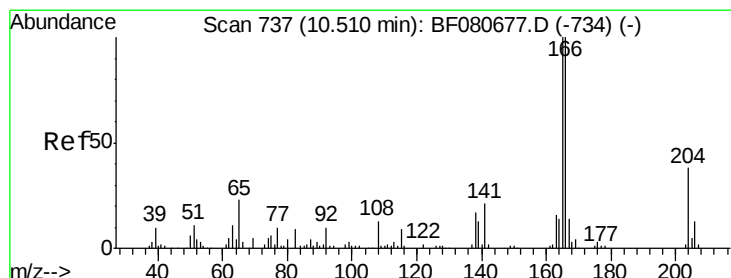
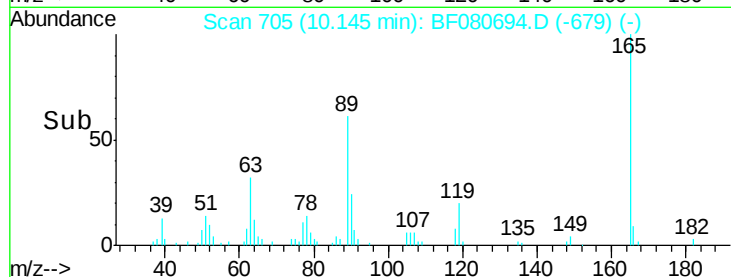
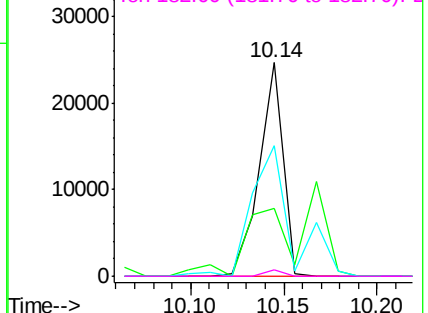


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

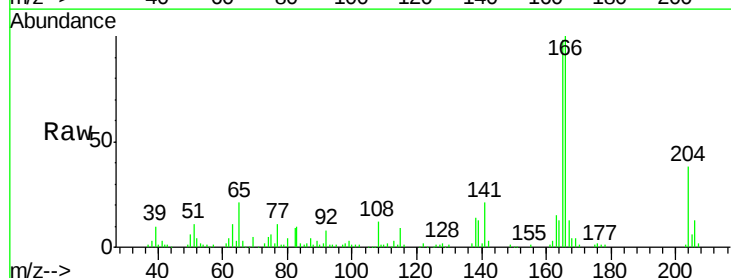
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: 34.86 ng
RT: 10.51 min Scan# 737
Delta R.T. 0.00 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

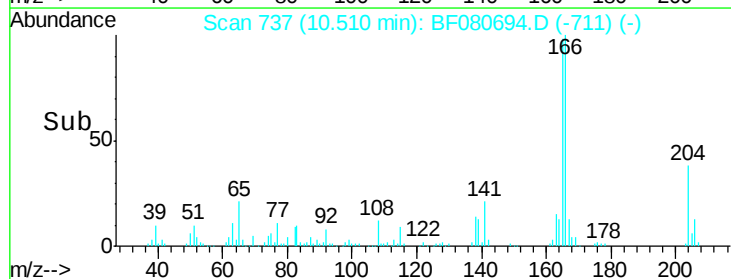
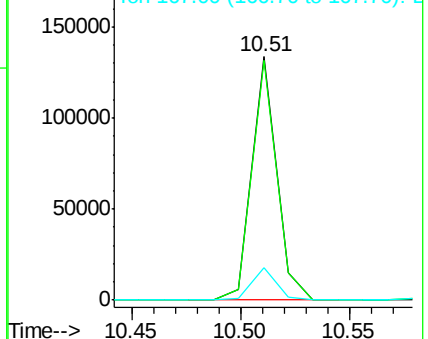
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	105951		
165	98.5	80.2	120.4	
167	13.1	11.0	16.4	

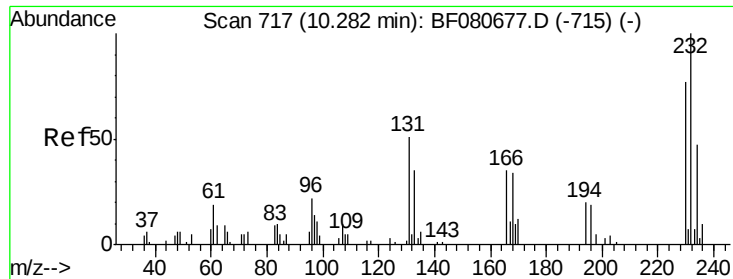


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





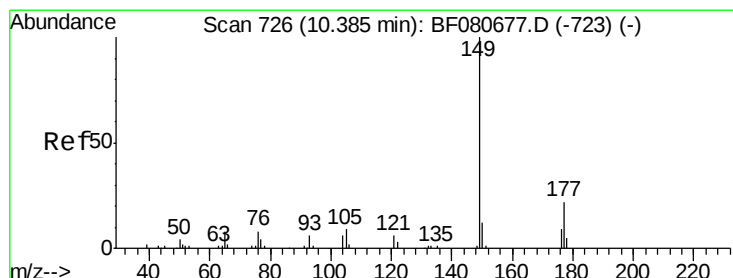
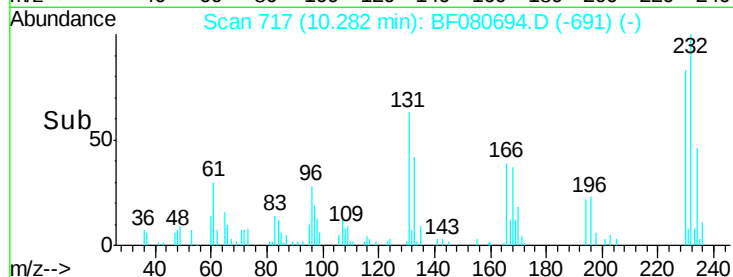
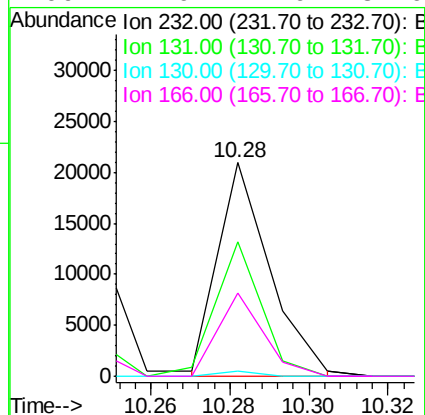
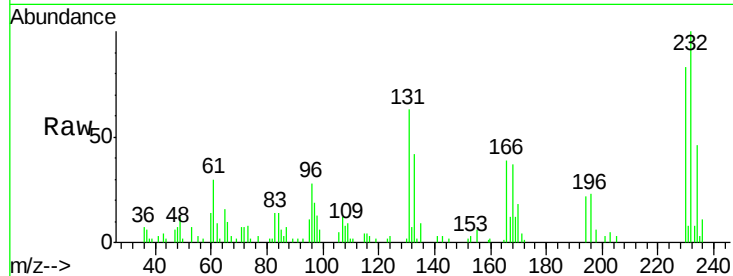
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 28.39 ng/ml
 RT: 10.28 min Scan# 717
 Delta R.T. 0.00 min
 Lab File: BF080694.D
 Acq: 28 Jul 2015 2:59

Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-3MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
232	100		19103		
131	46.1	33.4	50.0		
130	1.6	1.5	2.3		
166	27.9	21.9	32.9		

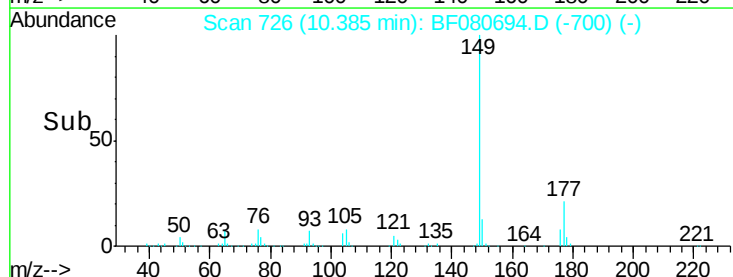
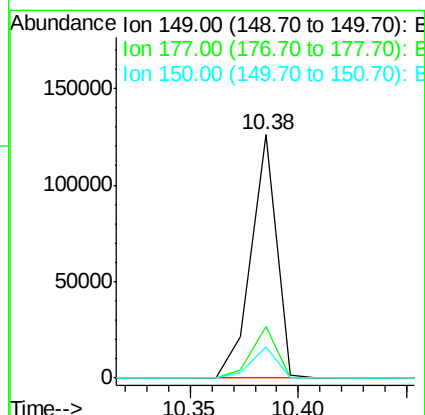
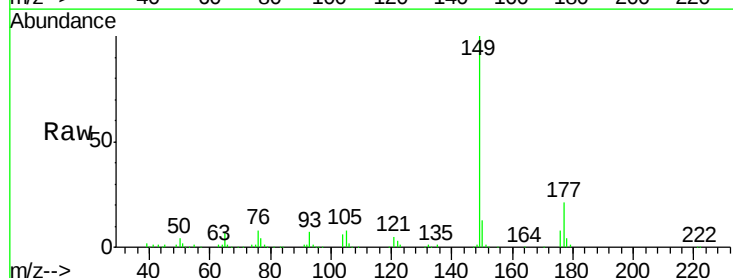
Manual Integrations
 APPROVED

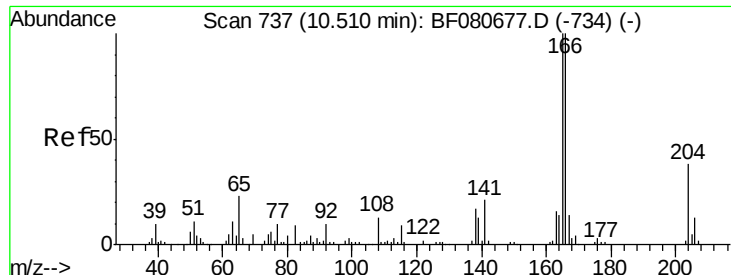
apatel
 7/29/2015 10:41:28 AM



#59
 Diethylphthalate
 Concen: 37.01 ng
 RT: 10.38 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: BF080694.D
 Acq: 28 Jul 2015 2:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		102410		
177	21.1	17.4	26.2		
150	12.6	9.5	14.3		





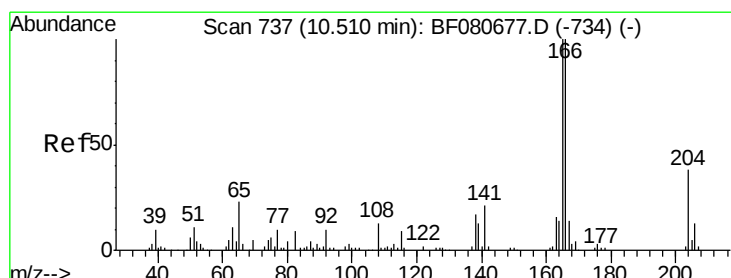
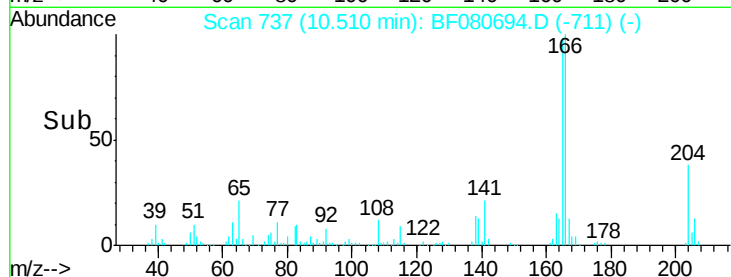
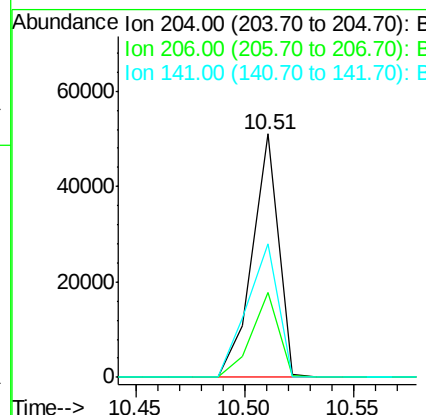
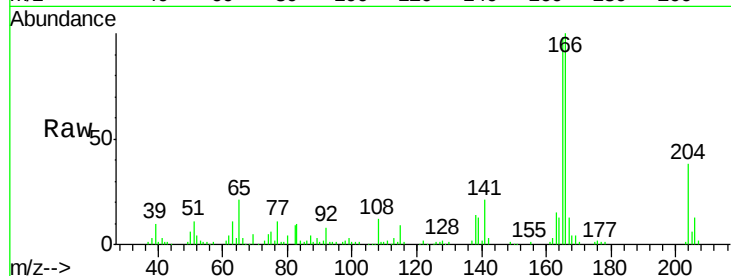
#60
4-Chlorophenyl-phenylether
Concen: 31.98 ng
RT: 10.51 min Scan# 737
Delta R.T. 0.00 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

Instrument :
BNA_F
ClientSampleId :
DUMBO-EP-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
204	100	42793		
206	34.9	26.5	39.7	
141	54.8	43.8	65.6	

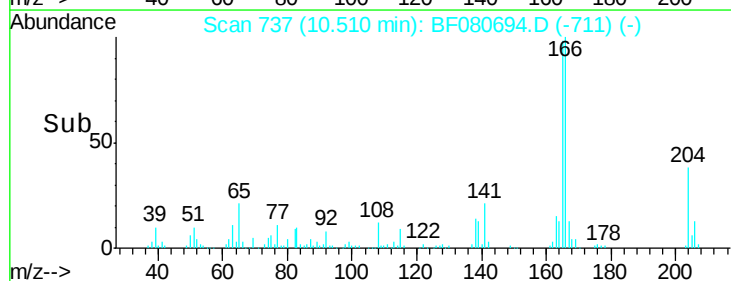
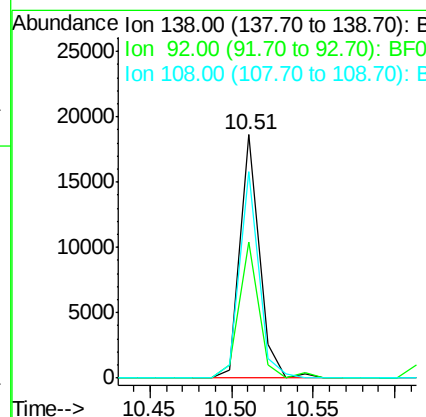
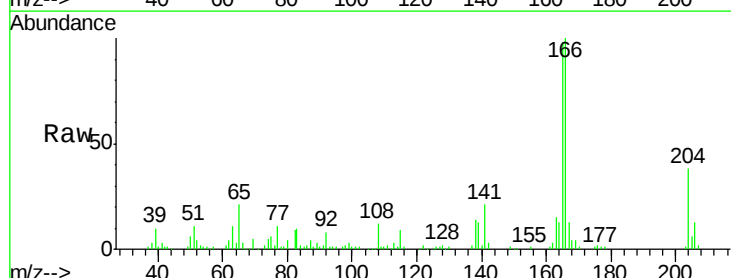
Manual Integrations
APPROVED

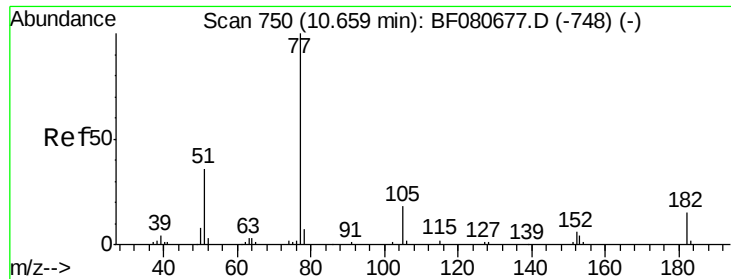
apatel
7/29/2015 10:41:28 AM



#61
4-Nitroaniline
Concen: 27.20 ng
RT: 10.51 min Scan# 737
Delta R.T. 0.00 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	15192		
92	55.7	38.1	78.1	
108	84.6	59.7	99.7	





#62

Azobenzene

Concen: 31.10 ng

RT: 10.66 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF080694.D

Acq: 28 Jul 2015 2:59

Instrument :

BNA_F

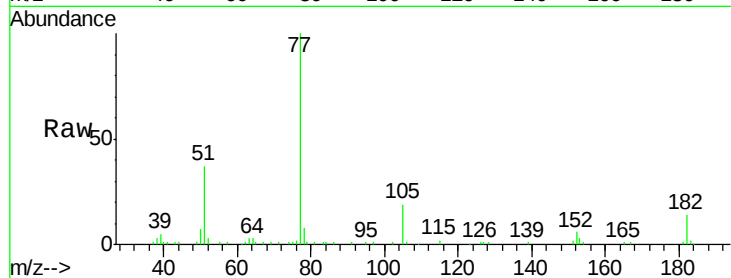
ClientSampleId :

DUMBO-EP-3MSD

Tot Ion:	77	Resp:	84187
Ion Ratio	Lower	Upper	
77	100		
182	13.9	0.0	34.7
105	18.7	0.0	37.8
51	36.9	16.3	56.3

Manual Integrations
APPROVED

apatel
7/29/2015 10:41:28 AM

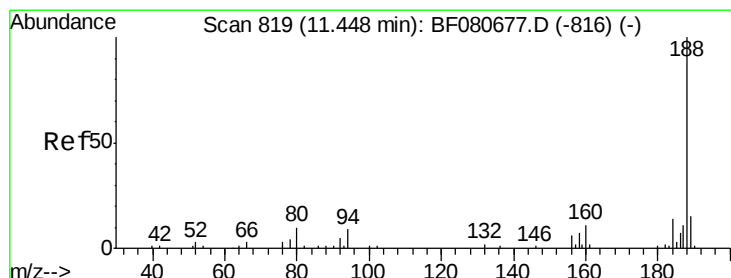
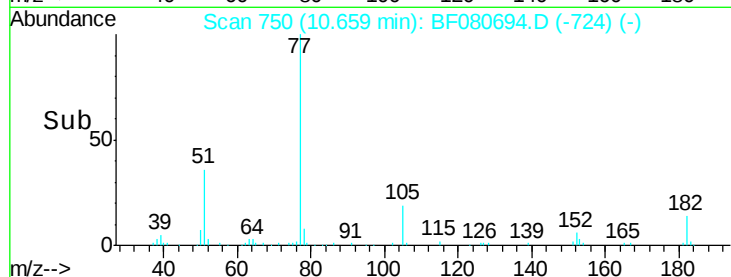
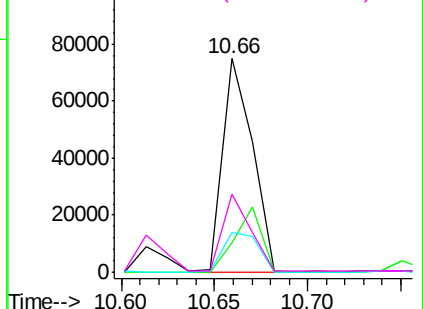


Abundance Ion 77.00 (76.70 to 77.70): BF0

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

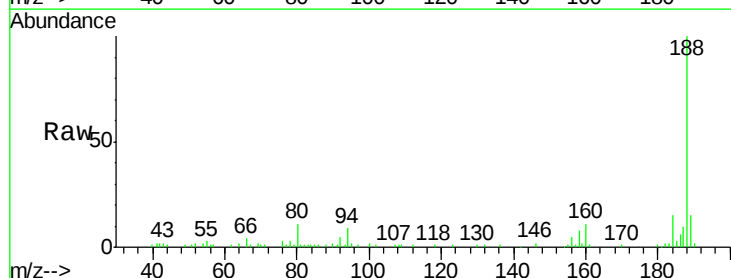
RT: 11.45 min Scan# 819

Delta R.T. 0.00 min

Lab File: BF080694.D

Acq: 28 Jul 2015 2:59

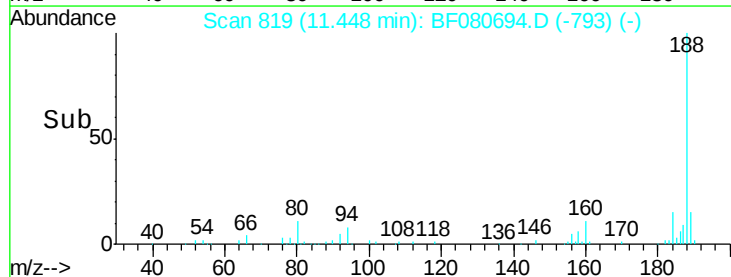
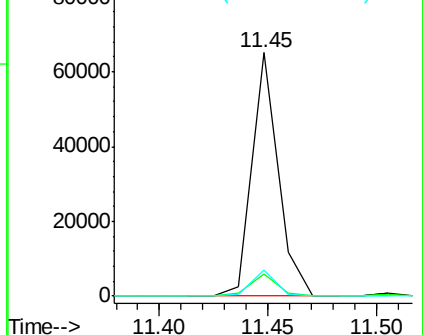
Tgt Ion:	188	Resp:	54490
Ion Ratio	Lower	Upper	
188	100		
94	9.0	7.2	10.8
80	10.6	8.2	12.2

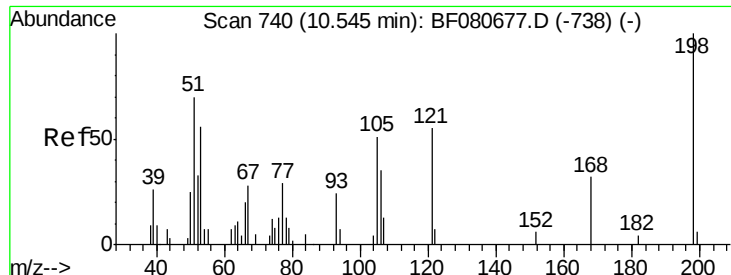


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





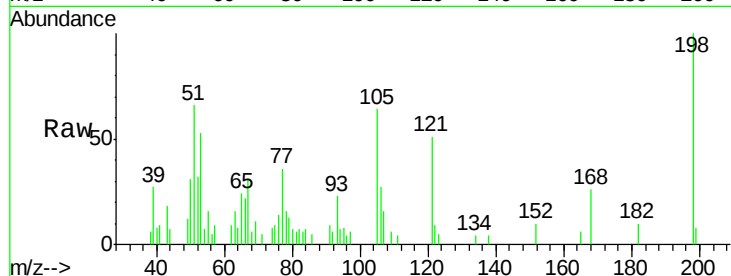
#64
 4,6-Dinitro-2-methylphenol
 Concen: 28.63 ng
 RT: 10.54 min Scan# 740
 Delta R.T. 0.00 min
 Lab File: BF080694.D
 Acq: 28 Jul 2015 2:59

Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-3MSD

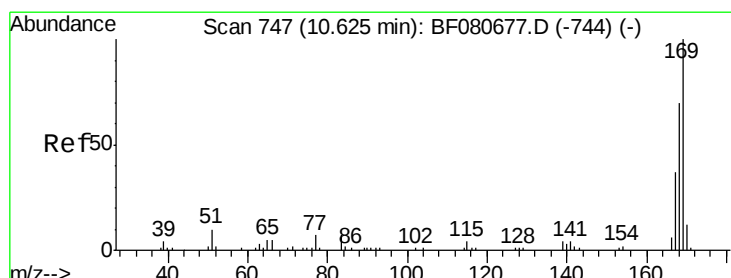
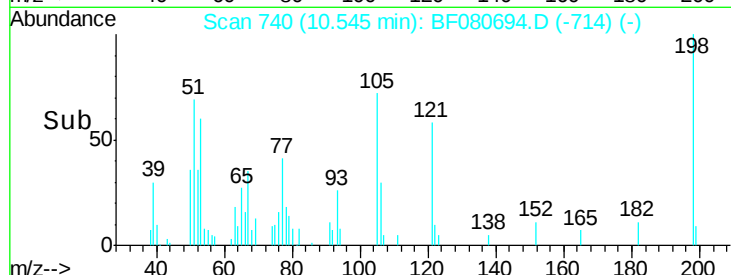
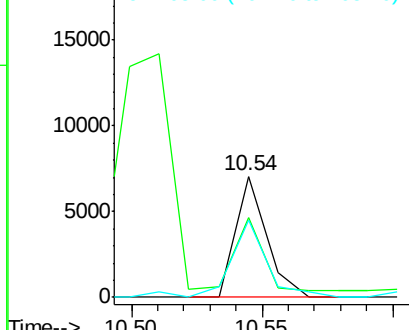
Tot Ion	Ratio	Resp	Lower	Upper
198	100	5835		
51	65.9		55.1	95.1
105	63.9		30.9	70.9

Manual Integrations
 APPROVED

apatel
 7/29/2015 10:41:28 AM



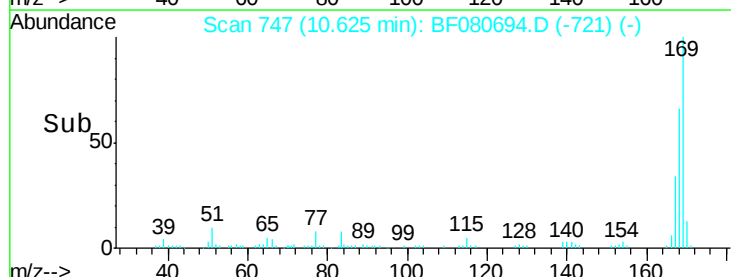
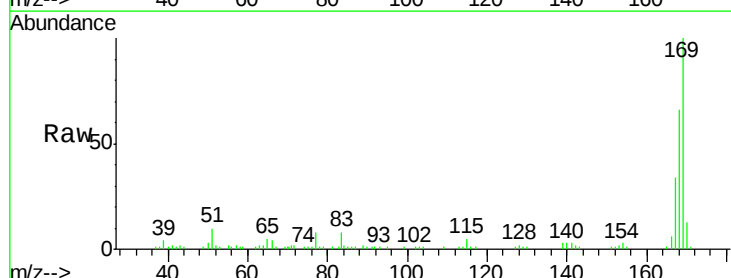
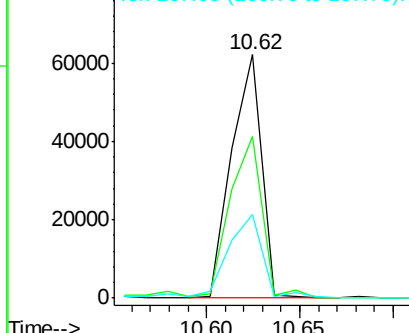
Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

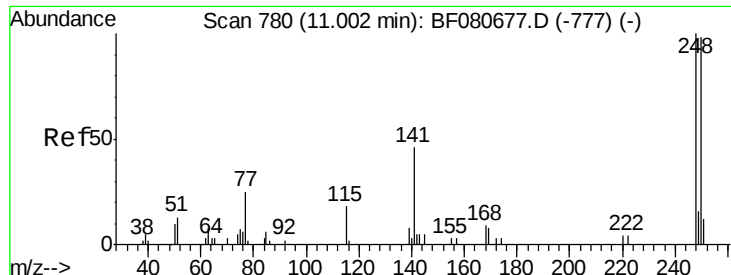


#65
 n-Nitrosodiphenylamine
 Concen: 37.62 ng
 RT: 10.62 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: BF080694.D
 Acq: 28 Jul 2015 2:59

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	70007		
168	66.3		56.2	84.2
167	34.1		29.3	43.9

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





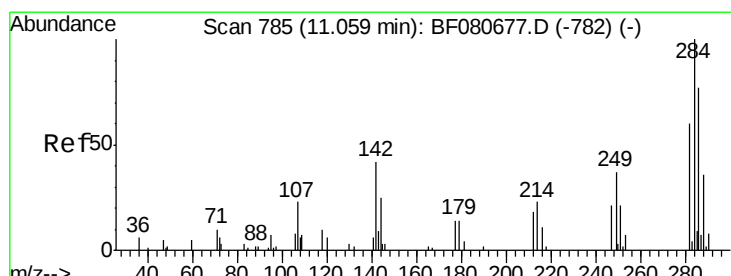
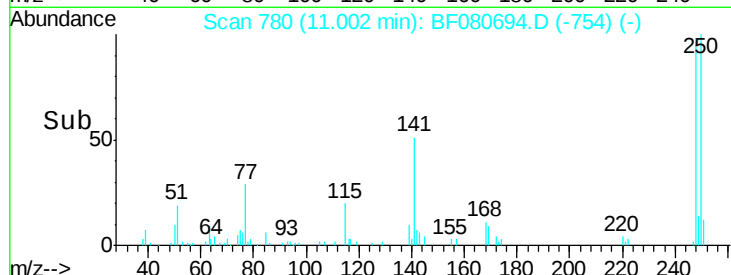
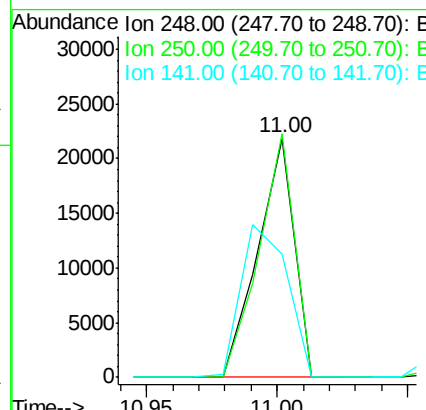
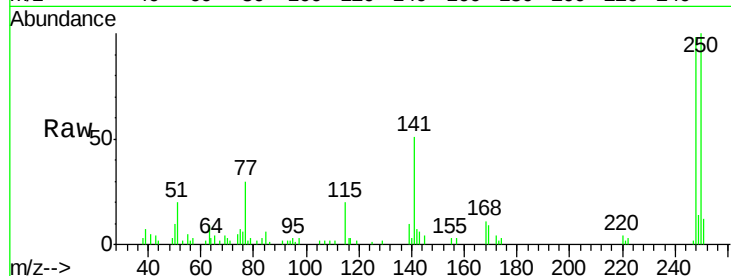
#66
4-Bromophenyl-phenylether
Concen: 36.76 ng
RT: 11.00 min Scan# 780
Delta R.T. 0.00 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

Instrument :
BNA_F
ClientSampleId :
DUMBO-EP-3MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	102.1	78.5	117.7
141	51.7	36.8	55.2

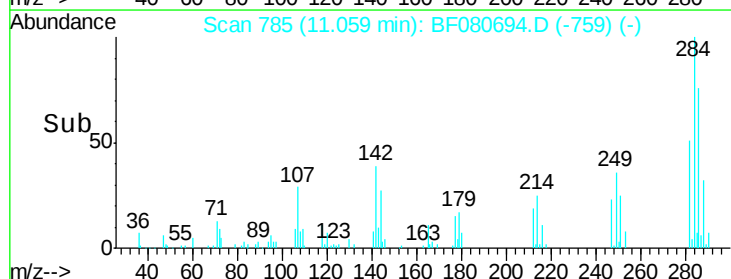
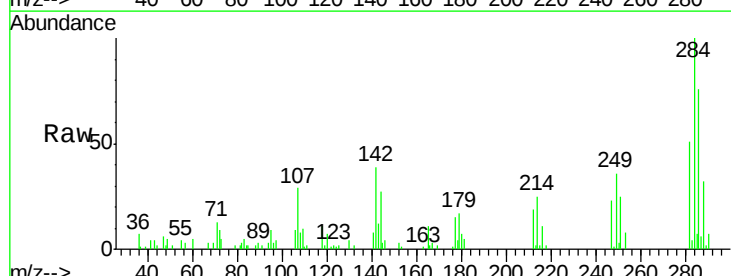
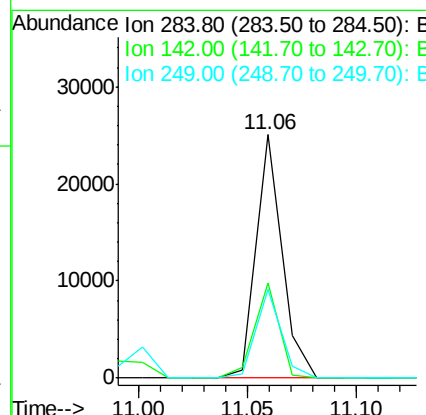
Manual Integrations
APPROVED

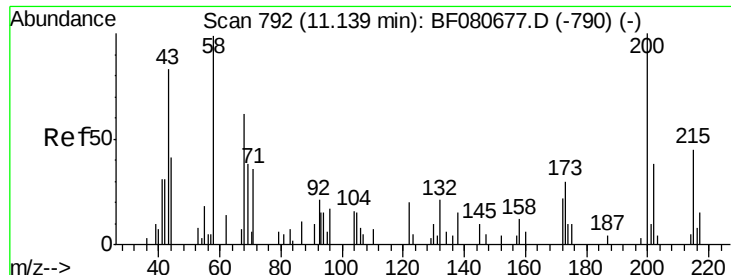
apatel
7/29/2015 10:41:28 AM



#67
Hexachlorobenzene
Concen: 30.43 ng
RT: 11.06 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

Tgt Ion	Ratio	Lower	Upper
284	100		
142	39.2	34.0	51.0
249	36.5	29.4	44.0





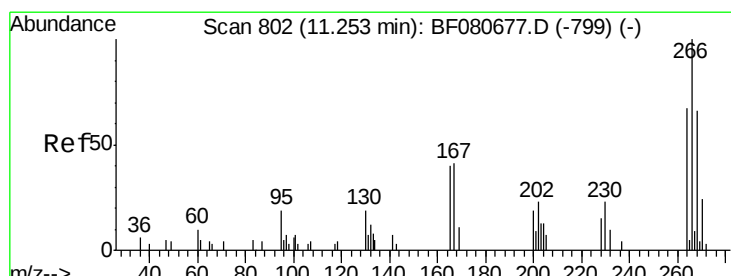
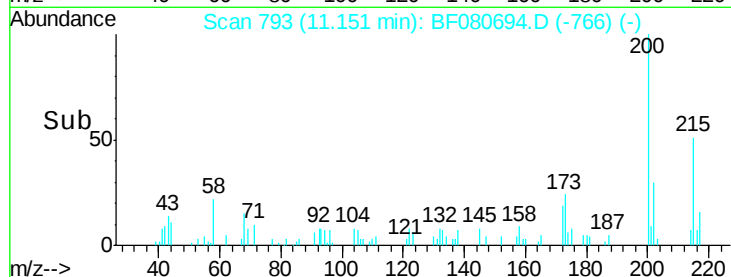
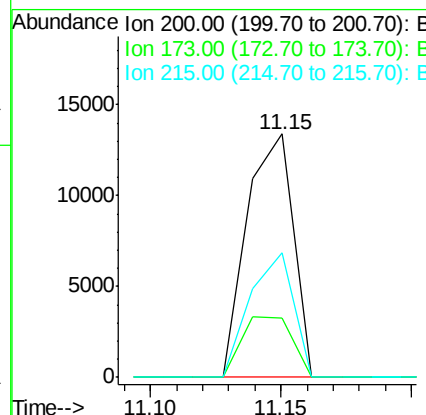
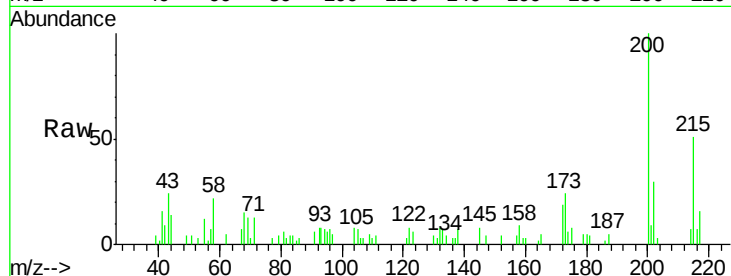
#68
 Atrazine
 Concen: 46.19 ng
 RT: 11.15 min Scan# 793
 Delta R.T. 0.01 min
 Lab File: BF080694.D
 Acq: 28 Jul 2015 2:59

Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	16670		
173	24.5	9.7	49.7	
215	51.3	24.7	64.7	

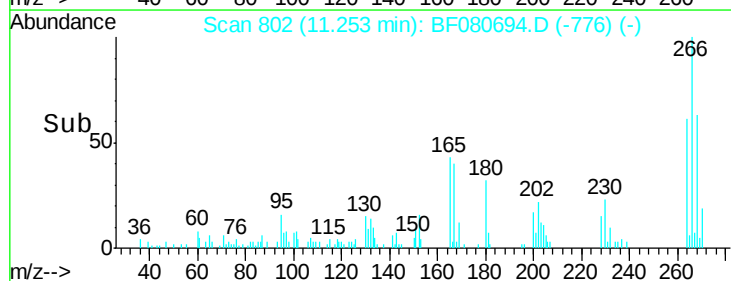
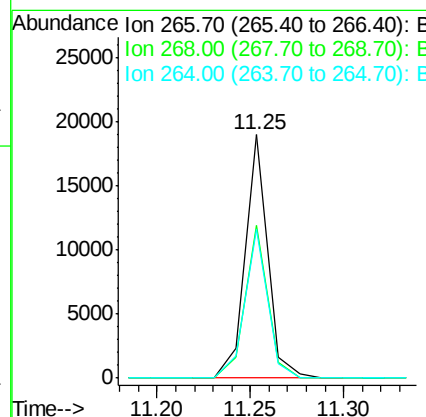
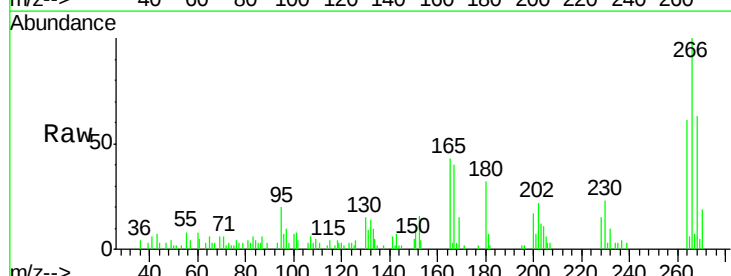
Manual Integrations
 APPROVED

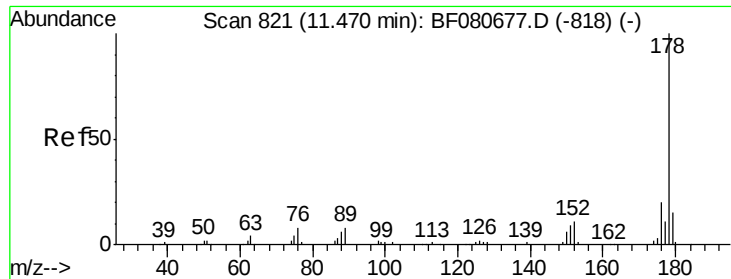
apatel
 7/29/2015 10:41:28 AM



#69
 Pentachlorophenol
 Concen: 59.19 ng
 RT: 11.25 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: BF080694.D
 Acq: 28 Jul 2015 2:59

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	15954		
268	62.6	52.6	78.8	
264	61.1	53.4	80.2	





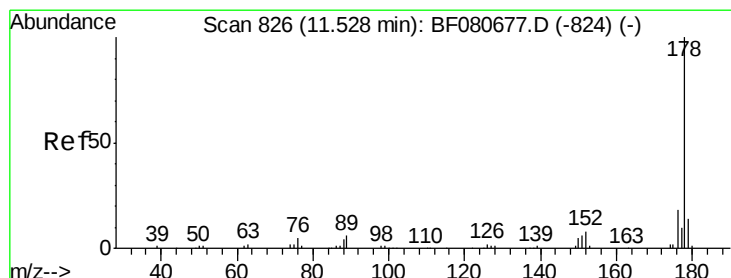
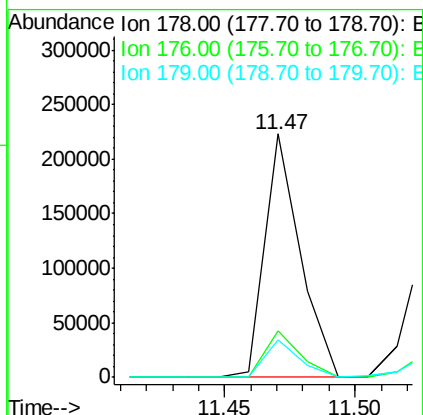
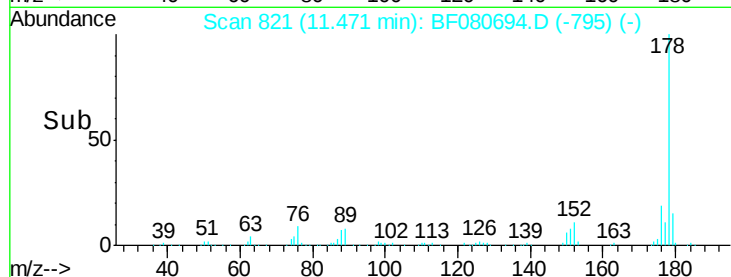
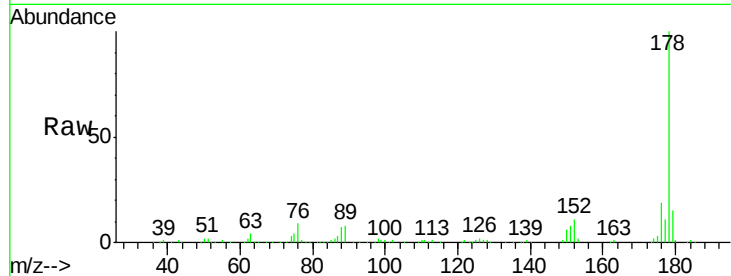
#70
Phenanthrene
Concen: 68.06 ng
RT: 11.47 min Scan# 821
Delta R.T. 0.00 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

Instrument :
BNA_F
ClientSampleId :
DUMBO-EP-3MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.6	23.4
179	15.3	12.3	18.5

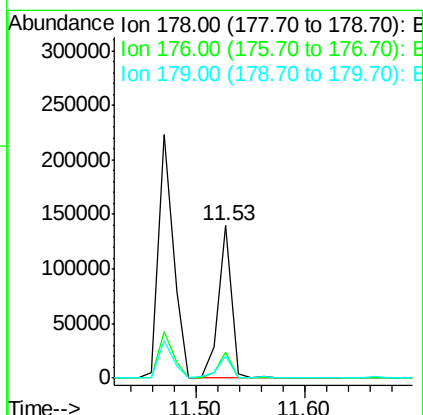
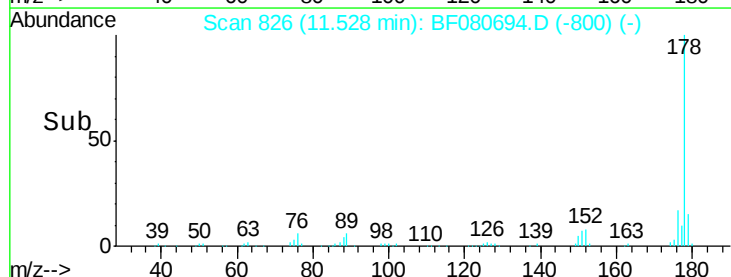
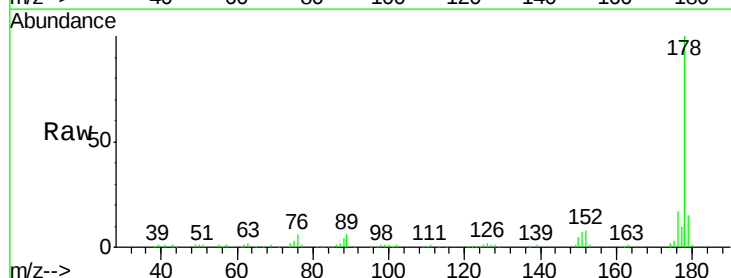
Manual Integrations
APPROVED

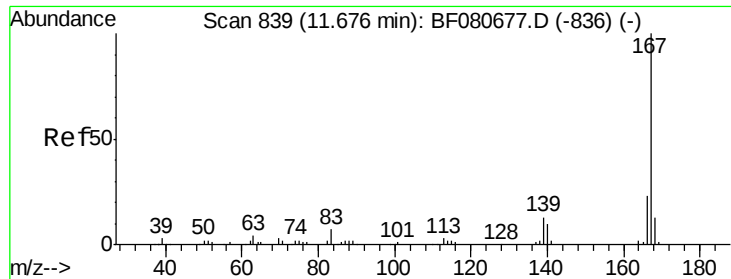
apatel
7/29/2015 10:41:28 AM



#71
Anthracene
Concen: 40.13 ng
RT: 11.53 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.4	14.3	21.5
179	14.9	10.8	16.2





#72

Carbazole

Concen: 32.33 ng

RT: 11.68 min Scan# 839

Delta R.T. 0.00 min

Lab File: BF080694.D

Acq: 28 Jul 2015 2:59

Instrument :

BNA_F

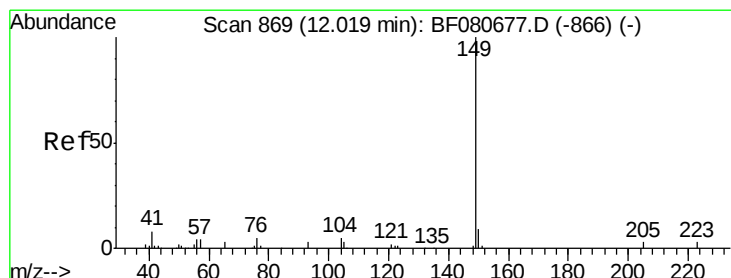
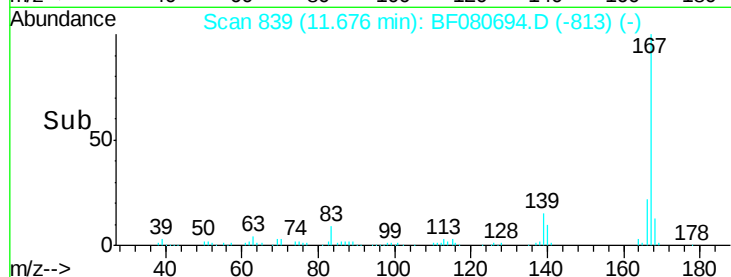
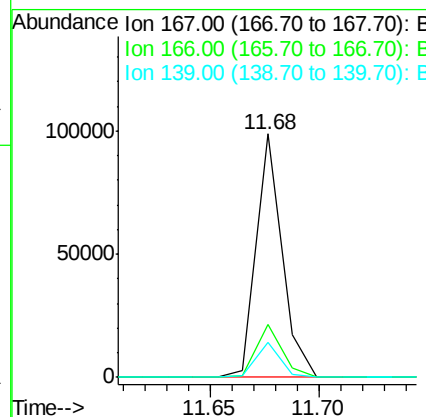
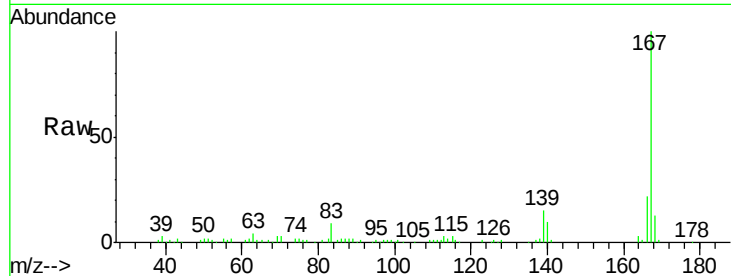
ClientSampleId :

DUMBO-EP-3MSD

Tot Ion:	167	Resp:	81655
Ion Ratio	Lower	Upper	
167	100		
166	21.7	18.1	27.1
139	14.5	10.1	15.1

Manual Integrations
APPROVED

apatel
7/29/2015 10:41:28 AM



#73

Di-n-butylphthalate

Concen: 36.83 ng

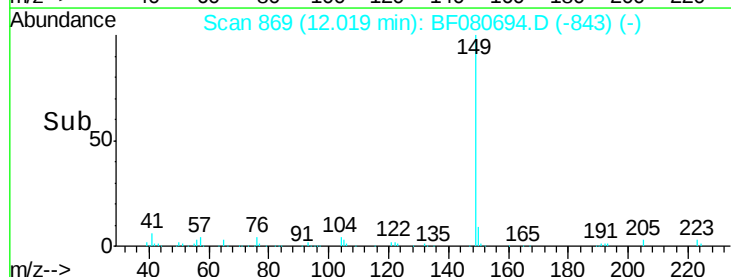
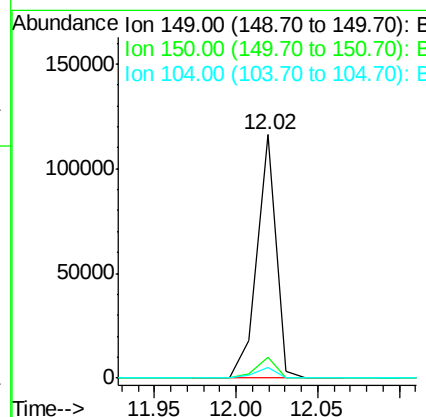
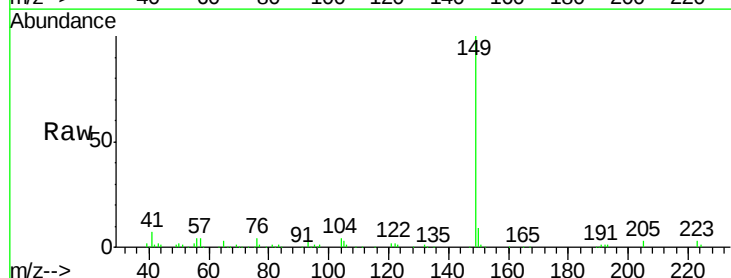
RT: 12.02 min Scan# 869

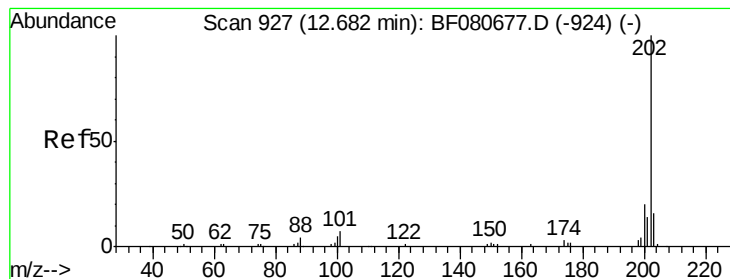
Delta R.T. 0.00 min

Lab File: BF080694.D

Acq: 28 Jul 2015 2:59

Tgt Ion:	149	Resp:	94812
Ion Ratio	Lower	Upper	
149	100		
150	8.8	6.8	10.2
104	4.2	4.0	6.0





#74

Fluoranthene

Concen: 58.23 ng

RT: 12.67 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF080694.D

Acq: 28 Jul 2015 2:59

Instrument :

BNA_F

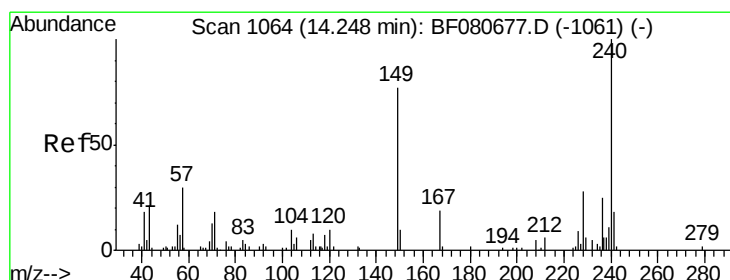
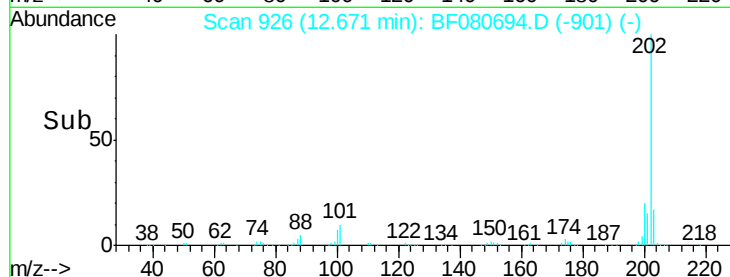
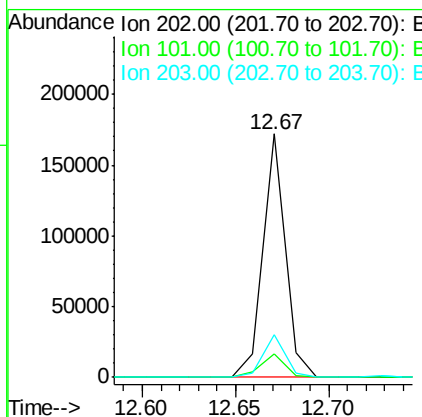
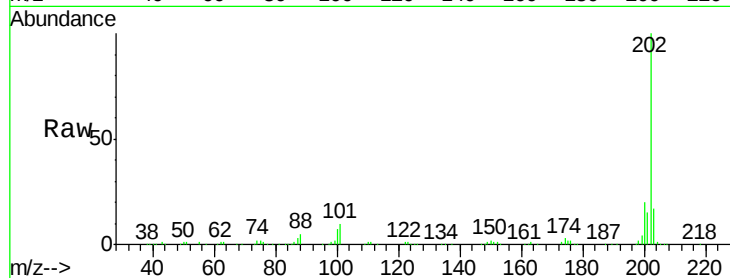
ClientSampleId :

DUMBO-EP-3MSD

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.7	0.0	27.3
203	17.3	0.0	36.0

Manual Integrations
APPROVED

apatel
7/29/2015 10:41:28 AM



#75

Chrysene-d12

Concen: 20.00 ng

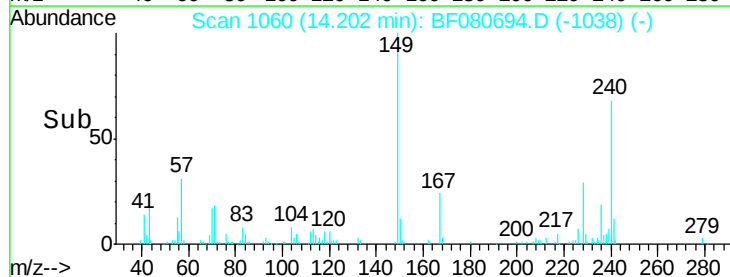
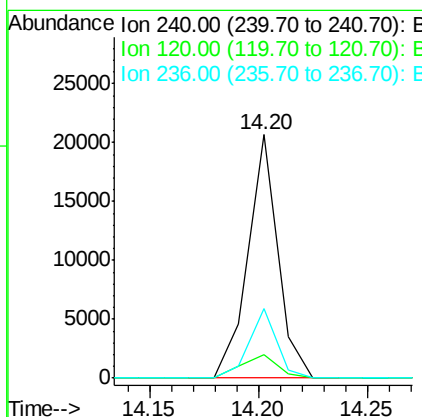
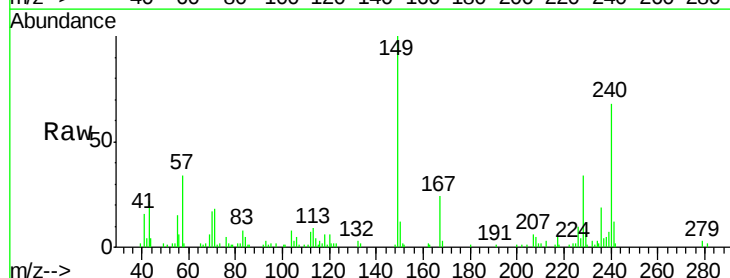
RT: 14.20 min Scan# 1060

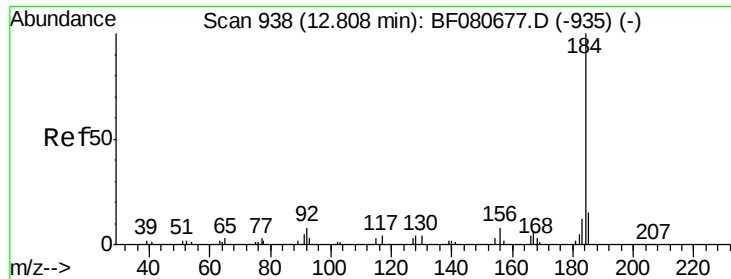
Delta R.T. -0.05 min

Lab File: BF080694.D

Acq: 28 Jul 2015 2:59

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.5	8.0	12.0
236	28.5	20.0	30.0





#76

Benzidine

Concen: 51.81 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF080694.D

Acq: 28 Jul 2015 2:59

Instrument :

BNA_F

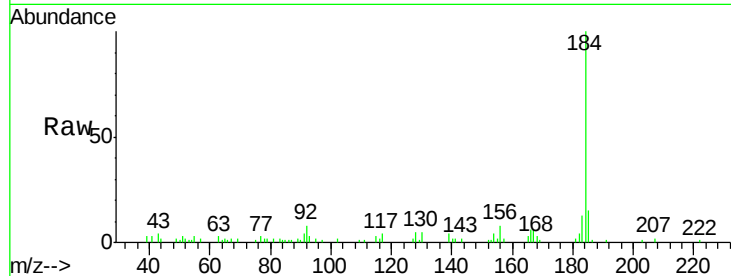
ClientSampleId :

DUMBO-EP-3MSD

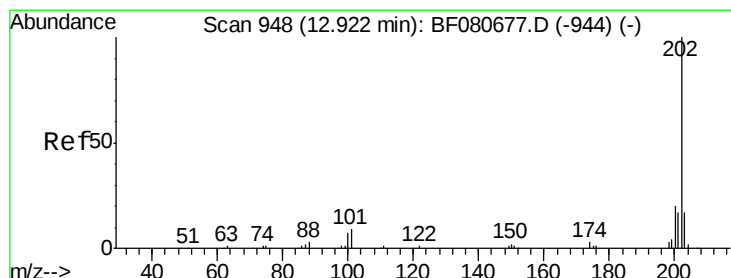
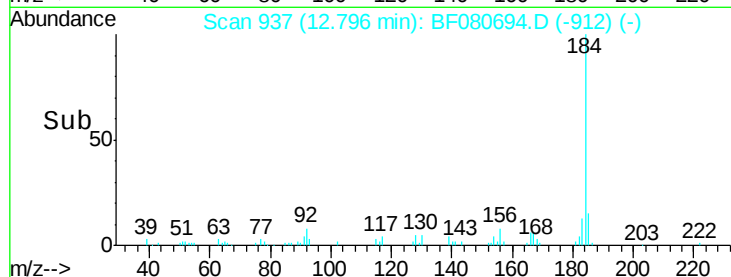
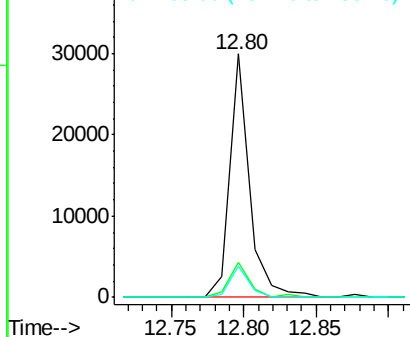
Tot Ion:	184	Resp:	28140
Ion Ratio	Lower	Upper	
184	100		
185	14.6	11.8	17.6
183	13.0	9.7	14.5

Manual Integrations
APPROVED

apatel
7/29/2015 10:41:28 AM



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



#77

Pyrene

Concen: 72.89 ng

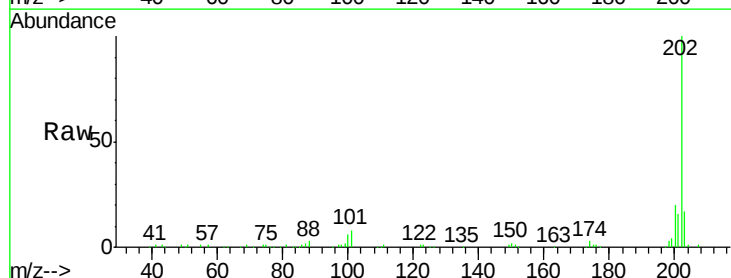
RT: 12.91 min Scan# 947

Delta R.T. -0.01 min

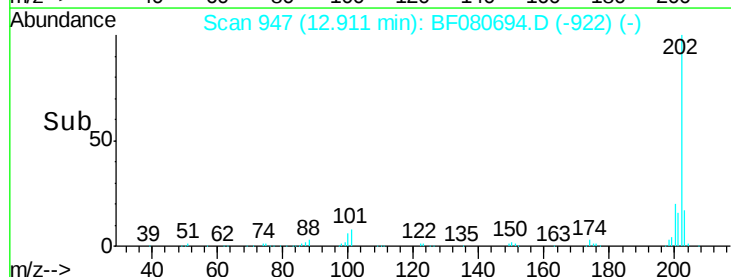
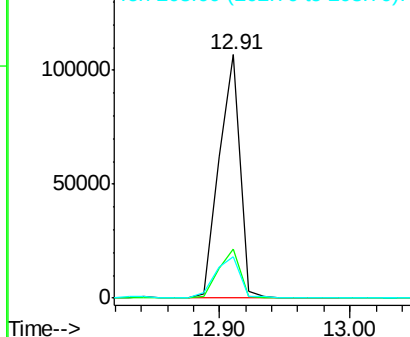
Lab File: BF080694.D

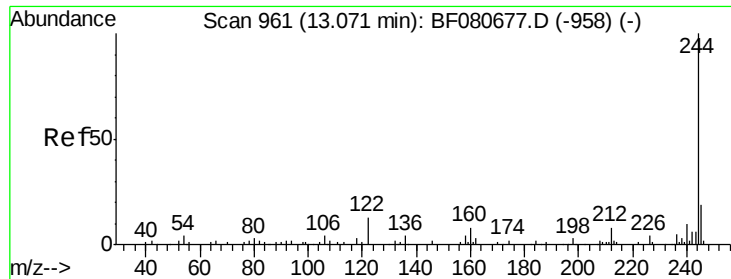
Acq: 28 Jul 2015 2:59

Tgt Ion:	202	Resp:	120290
Ion Ratio	Lower	Upper	
202	100		
200	20.1	16.3	24.5
203	17.2	13.4	20.2



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: 72.00 ng

RT: 13.06 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF080694.D

Acq: 28 Jul 2015 2:59

Instrument :

BNA_F

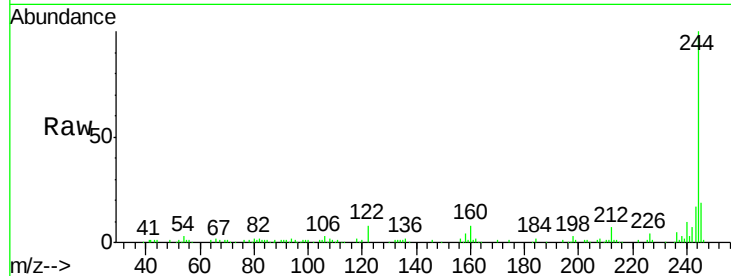
ClientSampleId :

DUMBO-EP-3MSD

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	6.1	9.1
122	8.1	10.2	15.2#

Manual Integrations
APPROVED

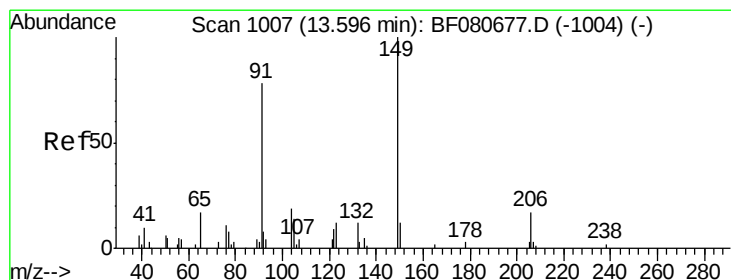
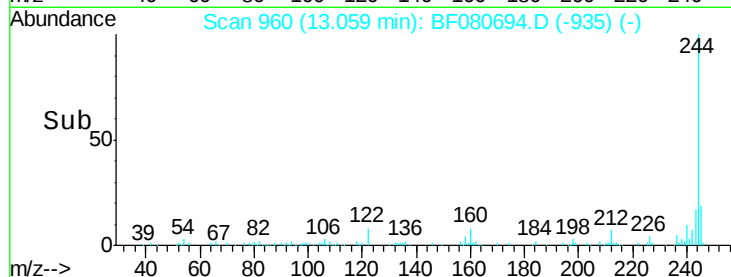
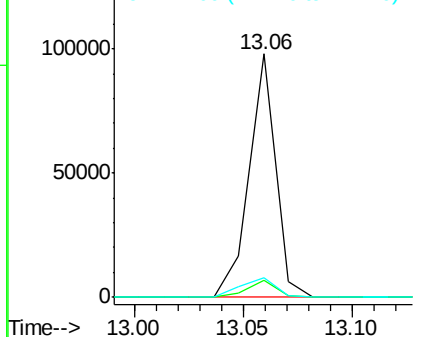
apatel
7/29/2015 10:41:28 AM



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: 44.50 ng

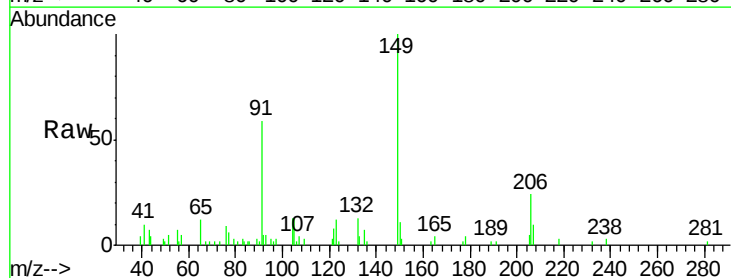
RT: 13.57 min Scan# 1005

Delta R.T. -0.02 min

Lab File: BF080694.D

Acq: 28 Jul 2015 2:59

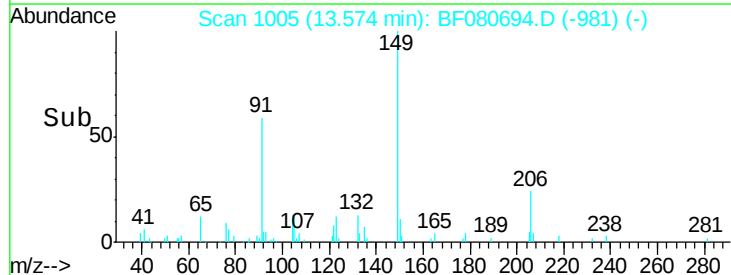
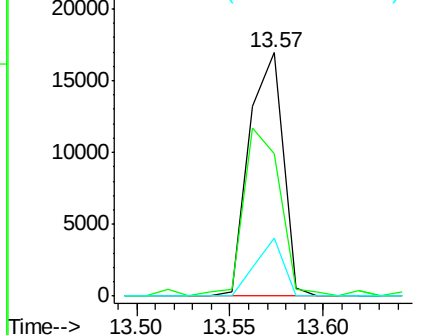
Tgt Ion	Ratio	Resp Lower	Upper
149	100		
91	58.5	62.6	93.8#
206	24.0	13.3	19.9#

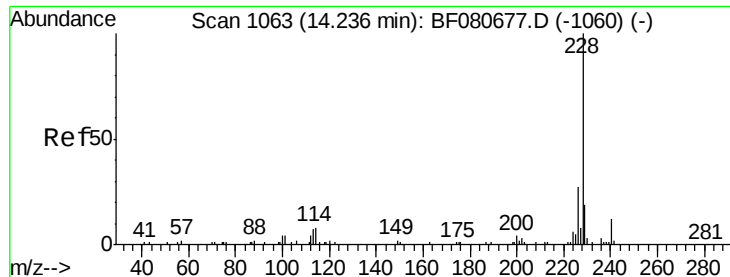


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 51.34 ng

RT: 14.19 min Scan# 1059

Delta R.T. -0.05 min

Lab File: BF080694.D

Acq: 28 Jul 2015 2:59

Instrument :

BNA_F

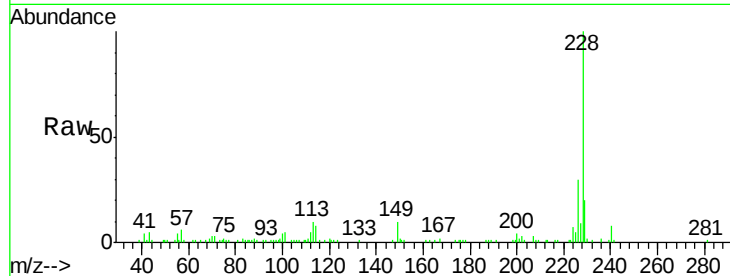
ClientSampleId :

DUMBO-EP-3MSD

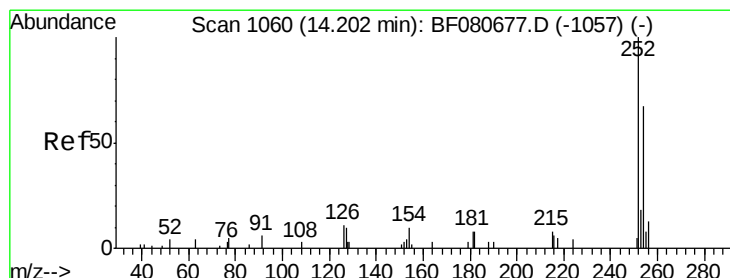
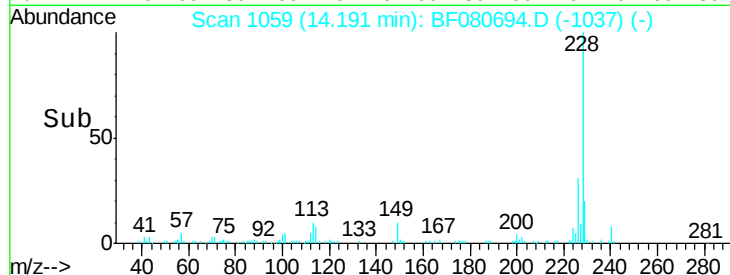
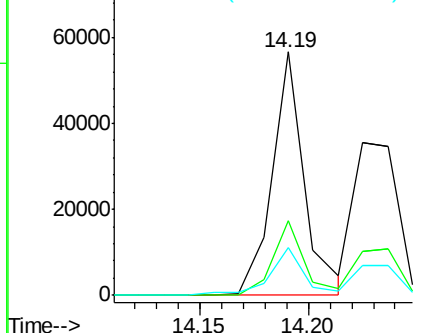
Tot Ion:	228	Resp:	58626
Ion Ratio		Lower	Upper
228	100		
226	30.5	21.8	32.6
229	19.8	14.9	22.3

Manual Integrations
APPROVED

apatel
7/29/2015 10:41:28 AM



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 34.80 ng

RT: 14.16 min Scan# 1056

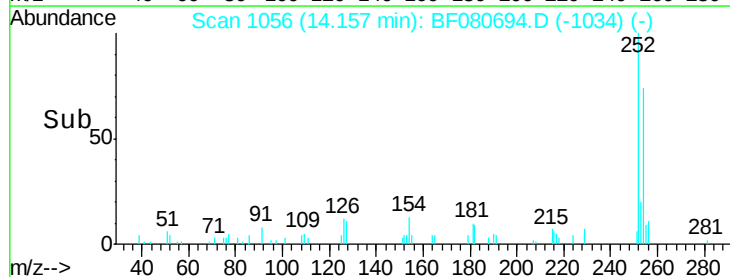
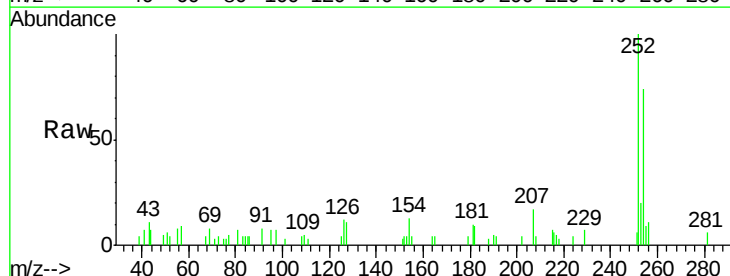
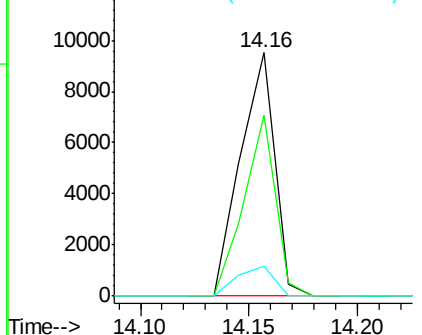
Delta R.T. -0.05 min

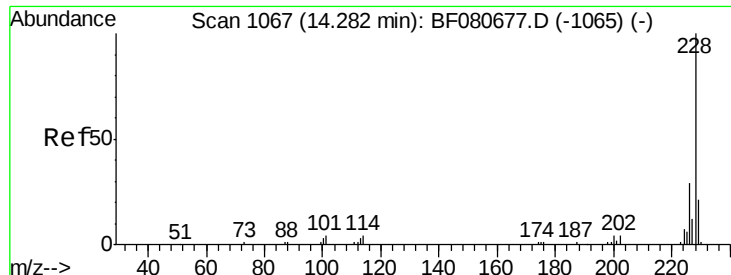
Lab File: BF080694.D

Acq: 28 Jul 2015 2:59

Tgt Ion:	252	Resp:	10397
Ion Ratio		Lower	Upper
252	100		
254	74.4	53.8	80.8
126	12.4	9.0	13.4

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 44.31 ng

RT: 14.23 min Scan# 1062

Delta R.T. -0.06 min

Lab File: BF080694.D

Acq: 28 Jul 2015 2:59

Instrument :

BNA_F

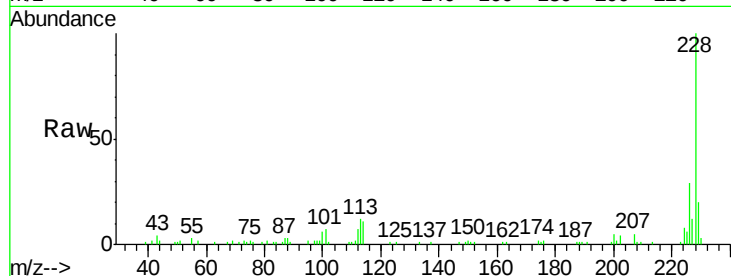
ClientSampleId :

DUMBO-EP-3MSD

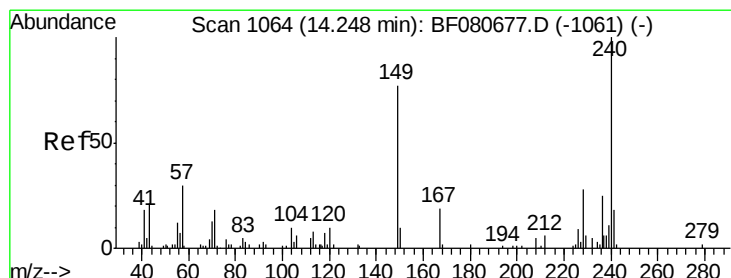
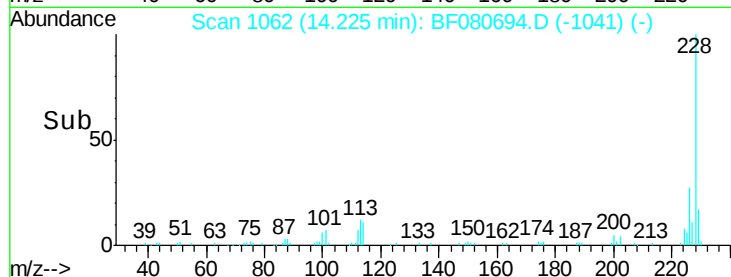
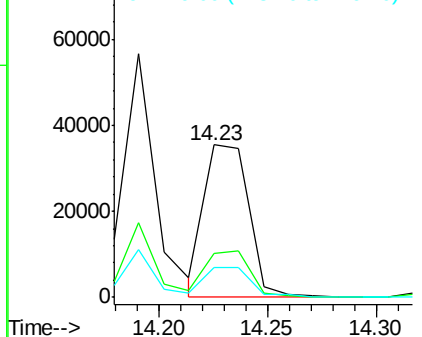
Tot Ion:	228	Resp:	50464
Ion Ratio	Lower	Upper	
228	100		
226	28.6	23.0	34.4
229	19.8	17.1	25.7

Manual Integrations
APPROVED

apatel
7/29/2015 10:41:28 AM



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 49.07 ng

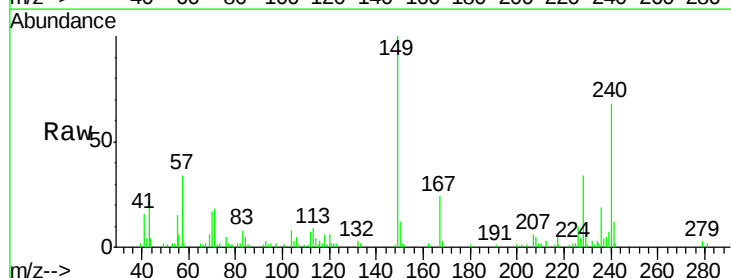
RT: 14.20 min Scan# 1060

Delta R.T. -0.04 min

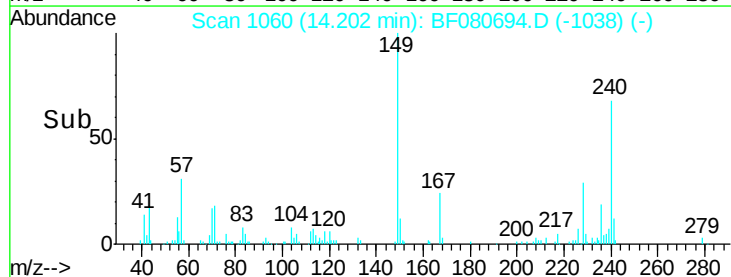
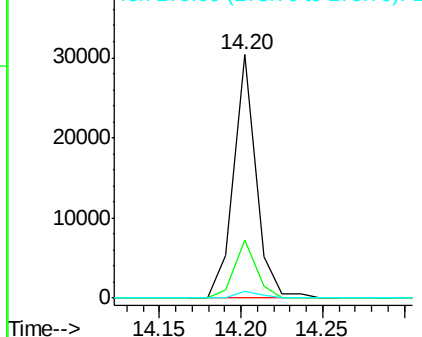
Lab File: BF080694.D

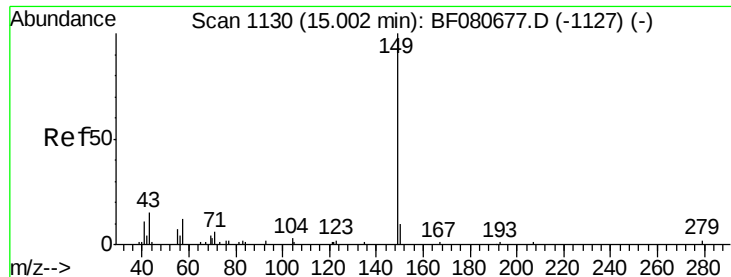
Acq: 28 Jul 2015 2:59

Tgt Ion:	149	Resp:	28753
Ion Ratio	Lower	Upper	
149	100		
167	23.7	20.0	30.0
279	2.6	2.1	3.1



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: 49.05 ng

RT: 14.95 min Scan# 1125

Delta R.T. -0.06 min

Lab File: BF080694.D

Acq: 28 Jul 2015 2:59

Instrument :

BNA_F

ClientSampleId :

DUMBO-EP-3MSD

Tot Ion:149 Resp: 34526
Ion Ratio Lower Upper

149 100

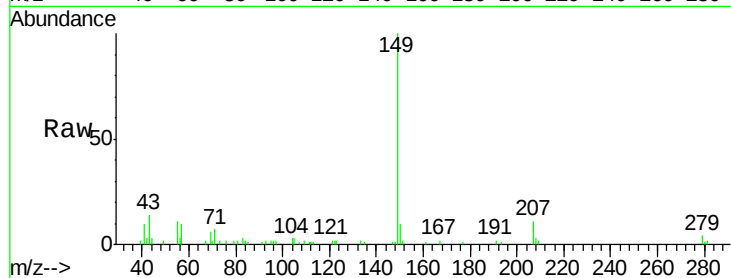
167 2.1 0.6 1.0#

43 19.7 11.6 17.4#

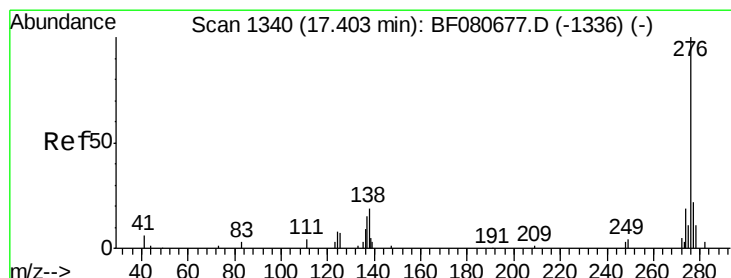
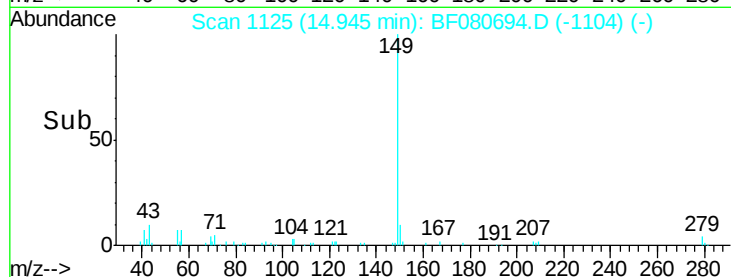
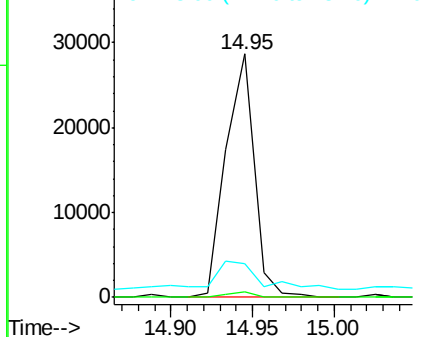
Manual Integrations
APPROVED

apatel

7/29/2015 10:41:28 AM



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: 479.68 ng

RT: 17.35 min Scan# 1335

Delta R.T. -0.06 min

Lab File: BF080694.D

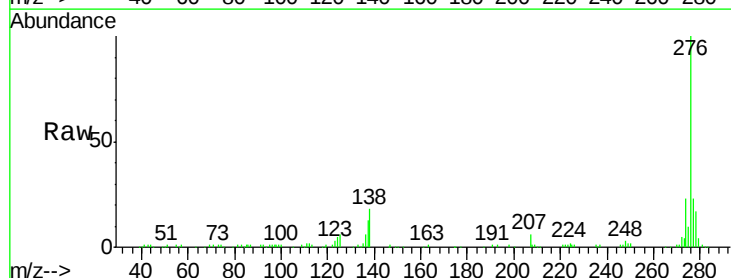
Acq: 28 Jul 2015 2:59

Tgt Ion:276 Resp: 230380
Ion Ratio Lower Upper

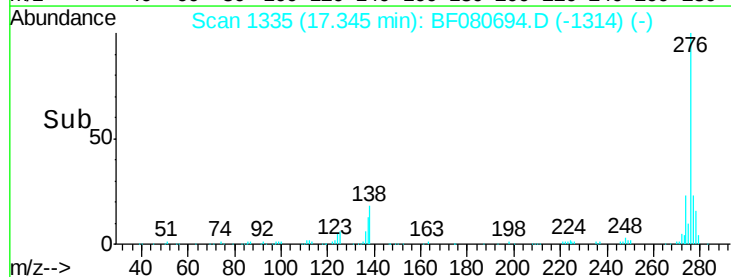
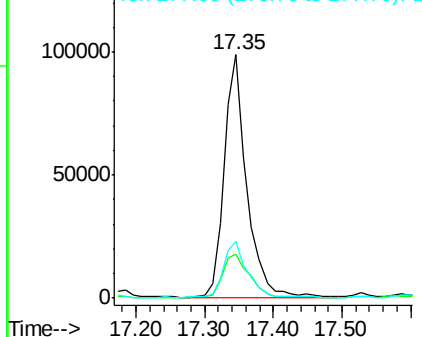
276 100

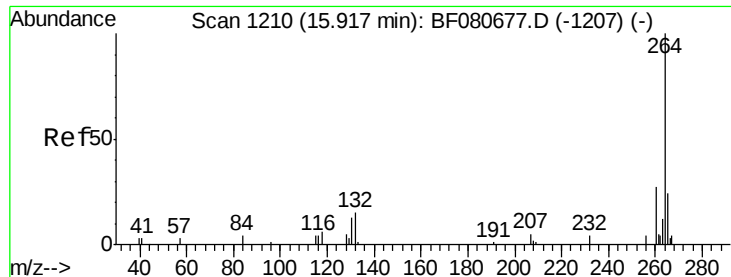
138 22.1 19.7 29.5

277 25.9 18.2 27.4



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





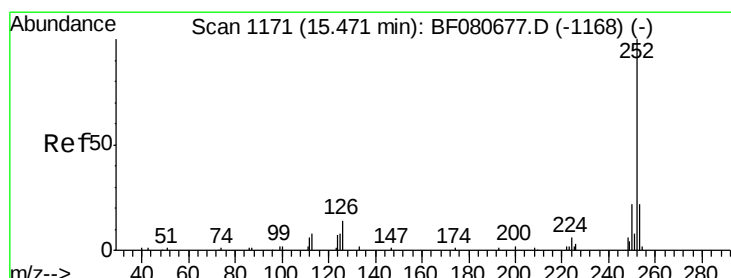
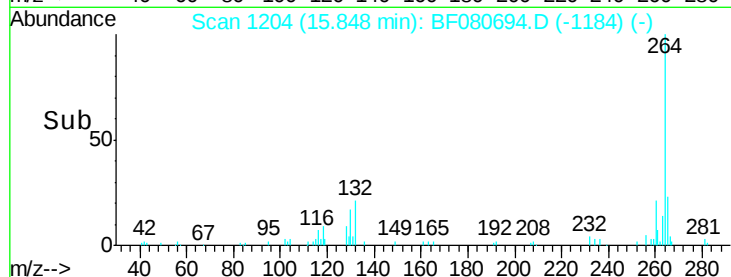
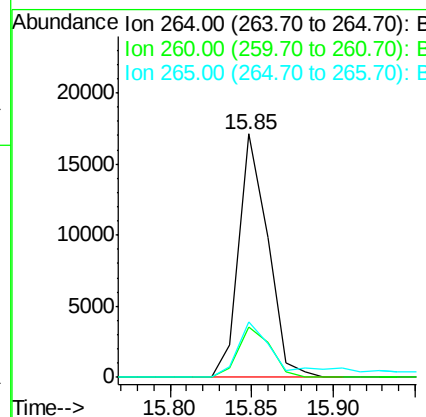
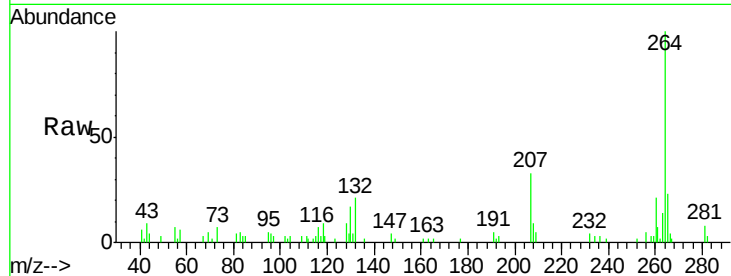
#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.85 min Scan# 1204
 Delta R.T. -0.07 min
 Lab File: BF080694.D
 Acq: 28 Jul 2015 2:59

Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-3MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	20.6	21.6	32.4#
265	22.6	19.3	28.9

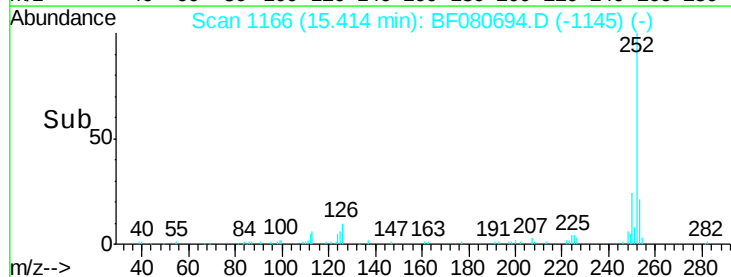
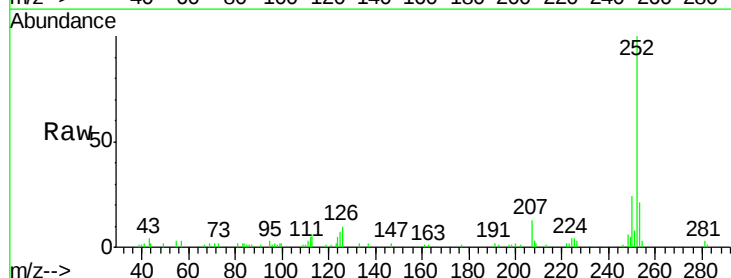
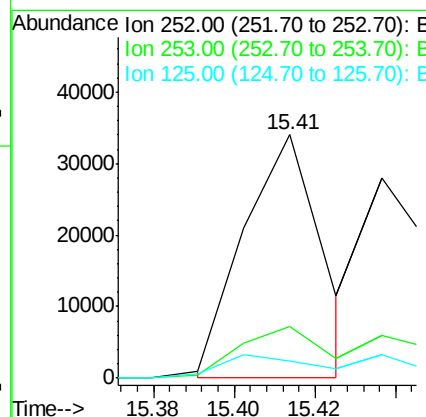
Manual Integrations
 APPROVED

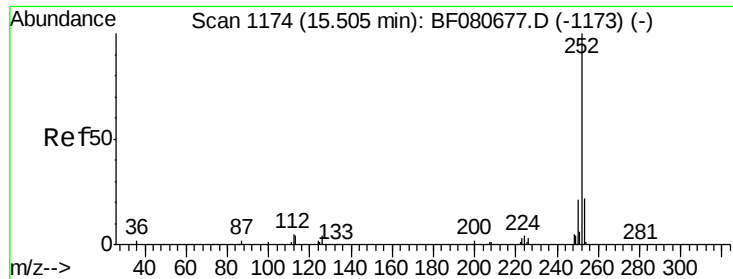
apatel
 7/29/2015 10:41:28 AM



#87
 Benzo(b)fluoranthene
 Concen: 29.75 ng m
 RT: 15.41 min Scan# 1166
 Delta R.T. -0.06 min
 Lab File: BF080694.D
 Acq: 28 Jul 2015 2:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.8	26.8
125	7.1	6.7	10.1





#88

Benzo(k)fluoranthene

Concen: 24.37 ng

RT: 15.44 min Scan# 1168

Delta R.T. -0.07 min

Lab File: BF080694.D

Acq: 28 Jul 2015 2:59

Instrument :

BNA_F

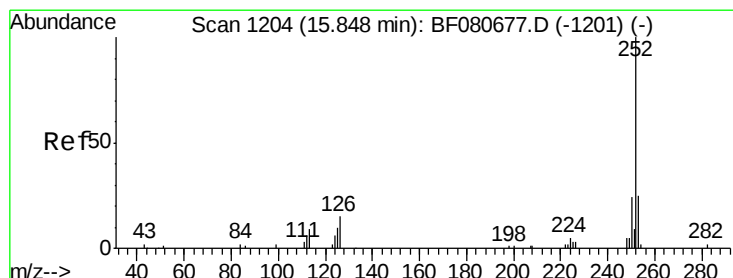
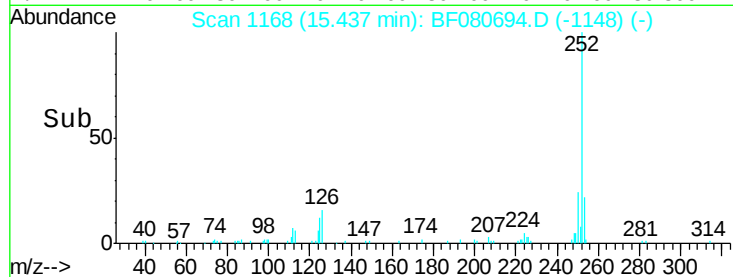
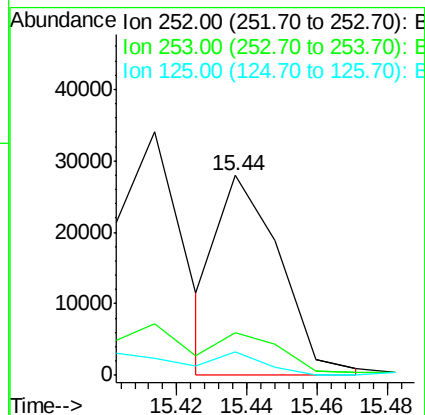
ClientSampleId :

DUMBO-EP-3MSD

Tot Ion:	252	Resp:	34275
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.8	26.6
125	12.0	6.7	10.1

Manual Integrations
APPROVED

apatel
7/29/2015 10:41:28 AM



#89

Benzo(a)pyrene

Concen: 46.15 ng

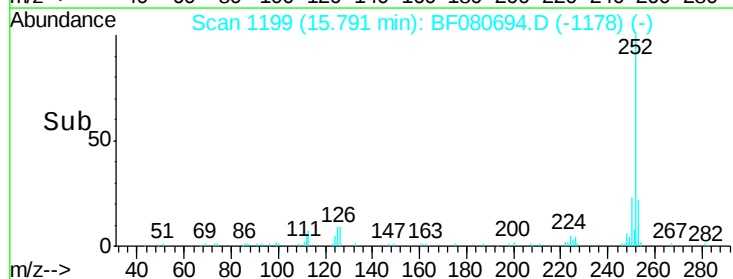
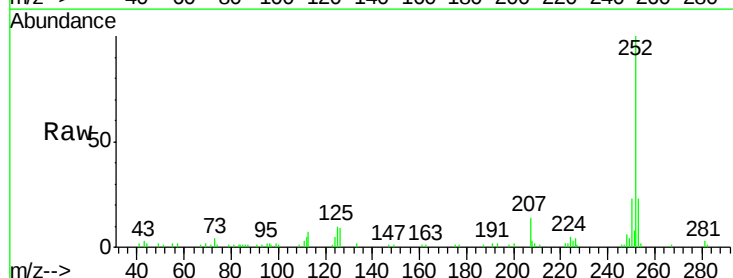
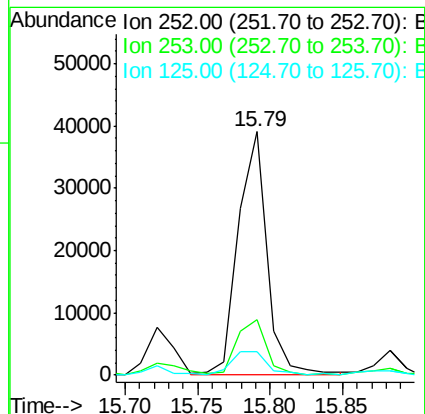
RT: 15.79 min Scan# 1199

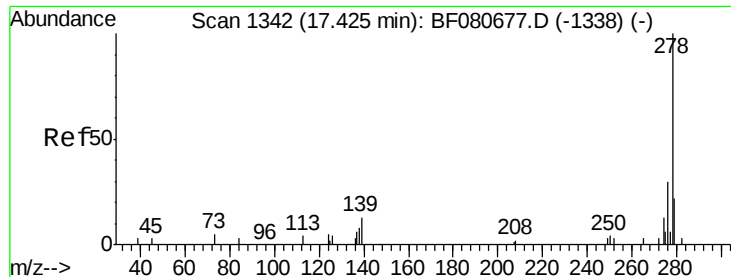
Delta R.T. -0.06 min

Lab File: BF080694.D

Acq: 28 Jul 2015 2:59

Tgt Ion:	252	Resp:	54082
Ion Ratio	Lower	Upper	
252	100		
253	22.6	20.2	30.2
125	9.9	8.4	12.6





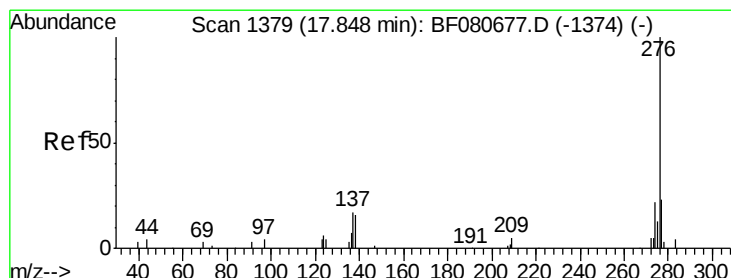
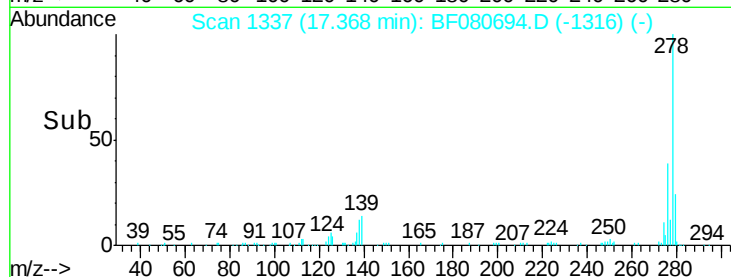
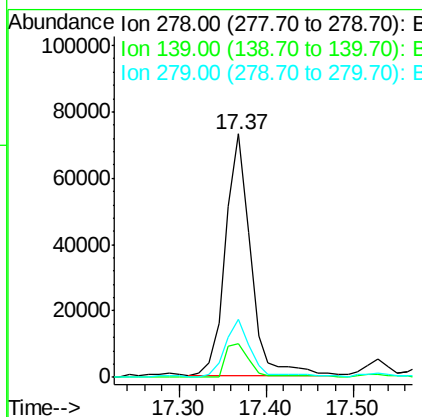
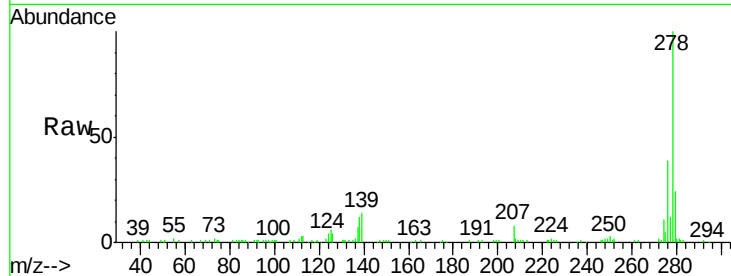
#90
Dibenzo(a,h)anthracene
Concen: 180.59 ng
RT: 17.37 min Scan# 1337
Delta R.T. -0.06 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

Instrument :
BNA_F
ClientSampleId :
DUMBO-EP-3MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.8	10.3	15.5
279	23.6	17.4	26.0

Manual Integrations
APPROVED

apatel
7/29/2015 10:41:28 AM



#91
Benzo(g,h,i)perylene
Concen: 326.56 ng
RT: 17.79 min Scan# 1374
Delta R.T. -0.06 min
Lab File: BF080694.D
Acq: 28 Jul 2015 2:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.7	28.1
138	17.5	12.7	19.1

