

Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
 Data File : BF084206.D
 Acq On : 31 Dec 2015 20:31
 Operator : UM/SJ
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

Manual Integrations
 APPROVED

UMANGI
 1/4/2016 4:28:58 PM

Quant Time: Jan 02 04:18:30 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 31 14:15:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	319098	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	1354358	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	623540	20.00	ng	0.00
63) Phenanthrene-d10	11.43	188	1101855	20.00	ng	0.00
75) Chrysene-d12	14.07	240	784632	20.00	ng	0.00
86) Perylene-d12	15.51	264	589270	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1564850	79.32	ng	0.00
7) Phenol-d6	6.53	99	2127385	85.86	ng	0.00
23) Nitrobenzene-d5	7.47	82	1837289	75.50	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	512115	81.35	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	2867496	80.57	ng	0.00
78) Terphenyl-d14	13.01	244	2424025	68.96	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.52	88	396919	42.47	ng	# 72
3) Pyridine	3.25	79	1083753	41.59	ng	# 68
4) n-Nitrosodimethylamine	3.21	42	571354	42.72	ng	# 75
6) Aniline	6.57	93	1530209	42.22	ng	# 78
8) 2-Chlorophenol	6.68	128	899071	40.17	ng	84
9) Benzaldehyde	6.44	77	627710	38.91	ng	94
10) Phenol	6.54	94	1365944	48.49	ng	91
11) bis(2-Chloroethyl)ether	6.64	93	828192	37.95	ng	# 79
12) 1,3-Dichlorobenzene	6.84	146	943770	40.87	ng	# 93
13) 1,4-Dichlorobenzene	6.92	146	1002455	43.29	ng	96
14) 1,2-Dichlorobenzene	7.07	146	849061	38.29	ng	93
15) Benzyl Alcohol	7.05	79	904763	43.41	ng	93
16) 2,2'-oxybis(1-Chloropropan	7.18	45	1585531	39.90	ng	85
17) 2-Methylphenol	7.15	107	803270	42.82	ng	96
18) Hexachloroethane	7.42	117	387764	41.88	ng	# 82
19) n-Nitroso-di-n-propylamine	7.32	70	632347	37.70	ng	# 67
20) 3+4-Methylphenols	7.31	107	858087	38.92	ng	# 74
22) Acetophenone	7.32	105	1357775	41.69	ng	# 93
24) Nitrobenzene	7.49	77	1042862	42.25	ng	90
25) Isophorone	7.73	82	1856492	39.89	ng	97
26) 2-Nitrophenol	7.80	139	446101	39.71	ng	# 80
27) 2,4-Dimethylphenol	7.85	122	929252	40.87	ng	90
28) bis(2-Chloroethoxy)methane	7.94	93	1020615	35.90	ng	98
29) 2,4-Dichlorophenol	8.04	162	720134	38.02	ng	95
30) 1,2,4-Trichlorobenzene	8.13	180	825506	42.22	ng	# 96
31) Naphthalene	8.21	128	2458077	40.00	ng	97
32) Benzoic acid	7.96	122	523238m	37.36	ng	
33) 4-Chloroaniline	8.26	127	1102929	39.15	ng	99
34) Hexachlorobutadiene	8.34	225	456056	40.58	ng	98
35) Caprolactam	8.64	113	233383	36.55	ng	# 46
36) 4-Chloro-3-methylphenol	8.74	107	843433	39.76	ng	95
37) 2-Methylnaphthalene	8.90	142	1623322	36.80	ng	95
39) 1,2,4,5-Tetrachlorobenzene	9.07	216	752670	41.99	ng	98
40) Hexachlorocyclopentadiene	9.06	237	467015	43.16	ng	97

Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
 Data File : BF084206.D
 Acq On : 31 Dec 2015 20:31
 Operator : UM/SJ
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

Manual Integrations
 APPROVED

UMANGI
 1/4/2016 4:28:58 PM

Quant Time: Jan 02 04:18:30 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 31 14:15:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.18	196	496986	37.06	nq	90
43) 2,4,5-Trichlorophenol	9.22	196	558407	43.43	nq	94
45) 1,1'-Biphenyl	9.37	154	1863513	37.60	nq	98
46) 2-Chloronaphthalene	9.39	162	1431881	36.78	nq	96
47) 2-Nitroaniline	9.48	65	483219	37.61	nq	97
48) Acenaphthylene	9.81	152	2386969	41.51	nq	98
49) Dimethylphthalate	9.68	163	1904157	42.72	nq	# 91
50) 2,6-Dinitrotoluene	9.73	165	441559	45.16	nq	93
51) Acenaphthene	9.98	154	1663979	43.13	nq	98
52) 3-Nitroaniline	9.89	138	434091	35.83	nq	99
53) 2,4-Dinitrophenol	10.00	184	173945	43.47	nq	# 85
54) Dibenzofuran	10.16	168	2137164	42.62	nq	99
55) 4-Nitrophenol	10.05	139	382218	43.46	nq	84
56) 2,4-Dinitrotoluene	10.13	165	588037	47.52	nq	# 82
57) Fluorene	10.50	166	1516366	38.93	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.27	232	449598	40.96	nq	91
59) Diethylphthalate	10.37	149	1826751	41.56	nq	97
60) 4-Chlorophenyl-phenylether	10.49	204	758293	46.84	nq	99
61) 4-Nitroaniline	10.51	138	438641	40.62	nq	95
62) Azobenzene	10.65	77	2031459	42.14	nq	91
64) 4,6-Dinitro-2-methylphenol	10.53	198	231575	34.55	nq	# 56
65) n-Nitrosodiphenylamine	10.60	169	1309425	37.17	nq	99
66) 4-Bromophenyl-phenylether	10.98	248	518173	43.69	nq	# 93
67) Hexachlorobenzene	11.04	284	501923	37.60	nq	# 77
68) Atrazine	11.13	200	450450	39.07	nq	97
69) Pentachlorophenol	11.23	266	309488	44.72	nq	99
70) Phenanthrene	11.45	178	2359360	40.94	nq	97
71) Anthracene	11.51	178	2295694	40.63	nq	96
72) Carbazole	11.65	167	1995899	36.14	nq	97
73) Di-n-butylphthalate	12.00	149	2635125	44.85	nq	# 95
74) Fluoranthene	12.64	202	2140502	35.55	nq	97
76) Benzidine	12.76	184	1092586	38.84	nq	98
77) Pyrene	12.87	202	2219729	36.05	nq	98
79) Butylbenzylphthalate	13.49	149	1089203	40.88	nq	# 95
80) Benzo(a)anthracene	14.05	228	1740061	37.77	nq	98
81) 3,3'-Dichlorobenzidine	14.02	252	656466	40.83	nq	# 96
82) Chrysene	14.09	228	1398929	31.60	nq	98
83) Bis(2-ethylhexyl)phthalate	14.05	149	1272120	37.79	nq	97
84) Di-n-octyl phthalate	14.66	149	1992882	35.07	nq	# 86
85) Indeno(1,2,3-cd)pyrene	16.92	276	1536032	43.77	nq	100
87) Benzo(b)fluoranthene	15.08	252	1679658	43.57	nq	# 95
88) Benzo(k)fluoranthene	15.12	252	1081807m	34.32	nq	
89) Benzo(a)pyrene	15.44	252	1335654	40.85	nq	# 94
90) Dibenzo(a,h)anthracene	16.95	278	1262003	44.86	nq	96
91) Benzo(g,h,i)perylene	17.36	276	1307542	44.88	nq	97

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

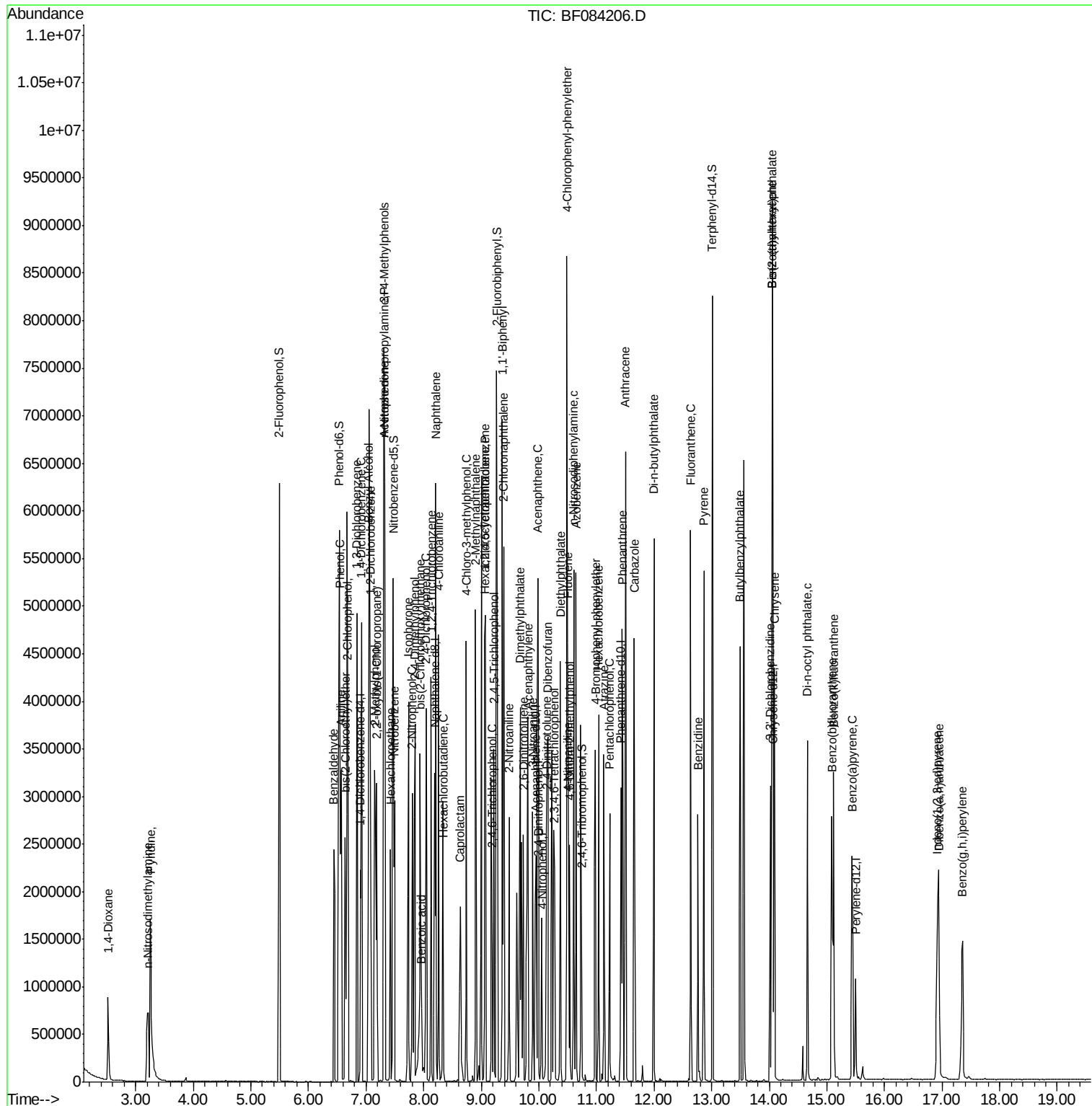
```
Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\  
Data File : BF084206.D  
Acq On    : 31 Dec 2015   20:31  
Operator  : UM/SJ  
Sample    : SSTDCCC040  
Misc      :  
ALS Vial  : 6      Sample Multiplier: 1
```

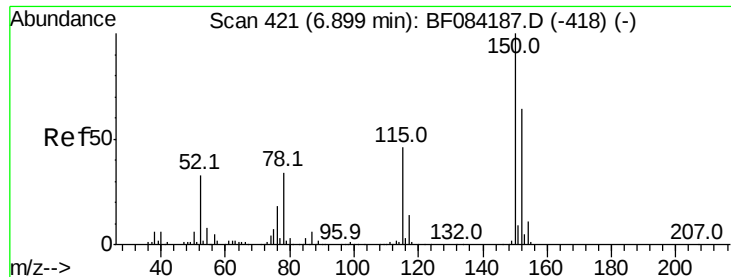
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

UMANGI
1/4/2016 4:28:58 PM

Quant Time: Jan 02 04:18:30 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 31 14:15:57 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Instrument :

BNA_F

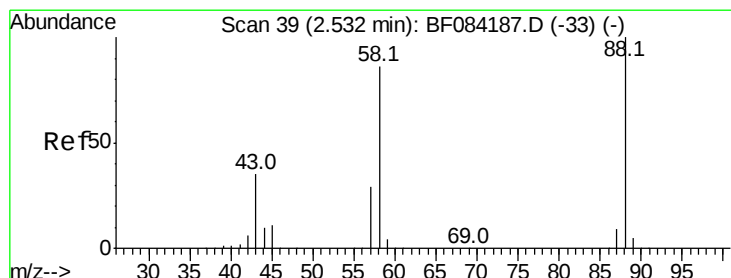
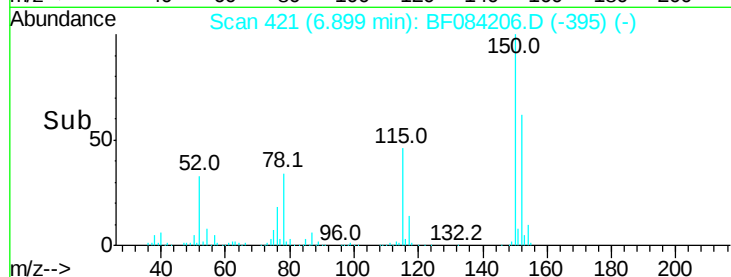
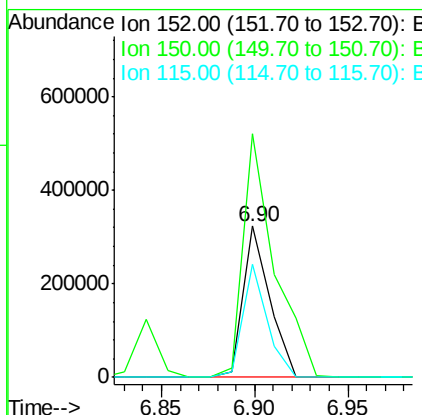
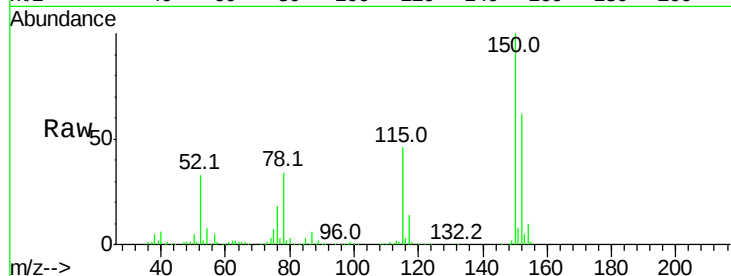
ClientSampleId :

SSTDCCC040EC

Tot Ion:	152	Resp:	319098
Ion Ratio	Lower	Upper	
152	100		
150	161.1	123.0	184.4
115	74.6	51.4	77.2

Manual Integrations
APPROVED

UMANGI
1/4/2016 4:28:58 PM



#2

1,4-Dioxane

Concen: 42.47 ng

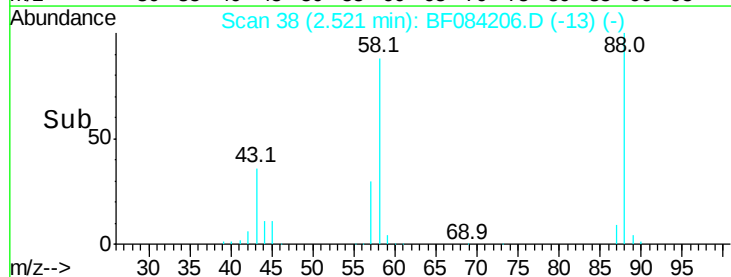
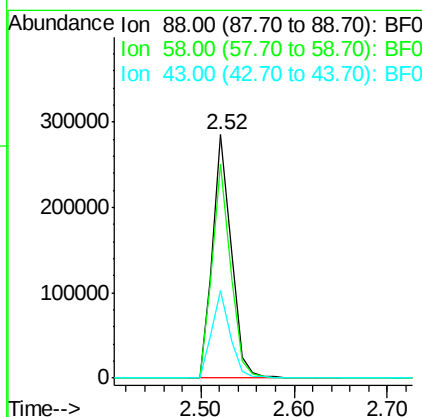
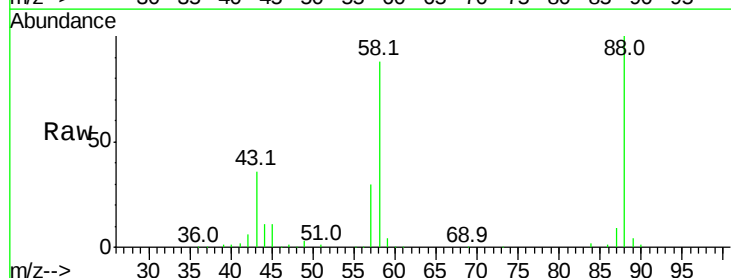
RT: 2.52 min Scan# 38

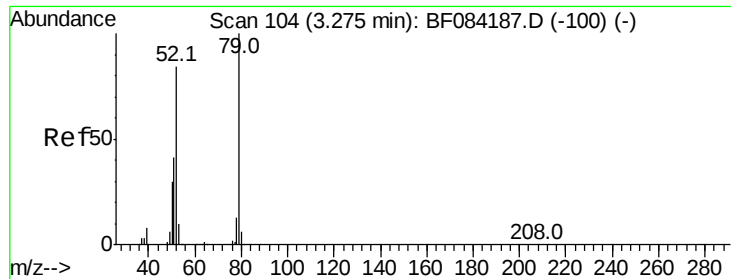
Delta R.T. -0.01 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Tgt Ion:	88	Resp:	396919
Ion Ratio	Lower	Upper	
88	100		
58	87.6	51.2	76.8#
43	34.9	19.5	29.3#





#3

Pvridine

Concen: 41.59 ng

RT: 3.25 min Scan# 102

Delta R.T. -0.02 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tot Ion: 79 Resp: 1083753

Ion Ratio Lower Upper

79 100

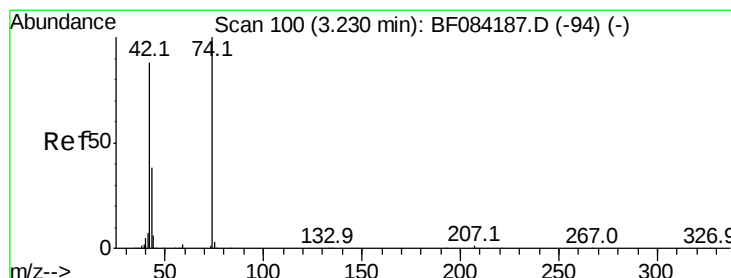
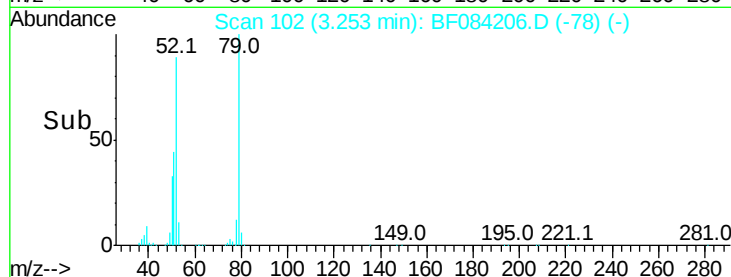
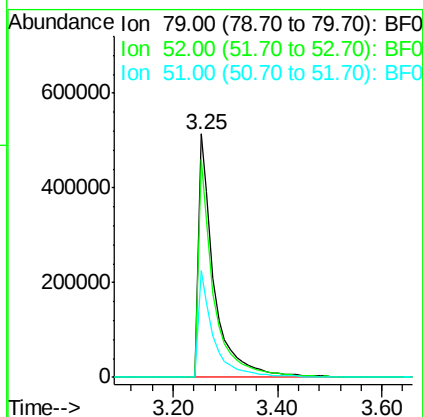
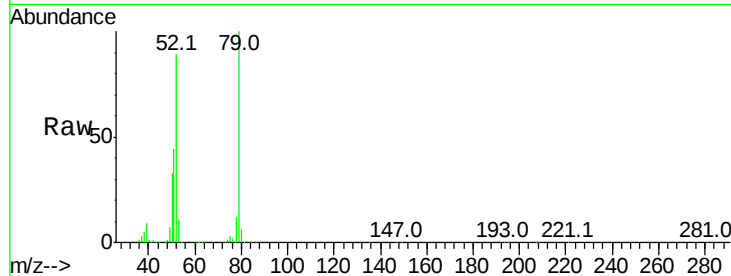
52 89.4 49.0 73.4#

51 43.8 25.2 37.8#

Manual Integrations
APPROVED

UMANGI

1/4/2016 4:28:58 PM



#4

n-Nitrosodimethylamine

Concen: 42.72 ng

RT: 3.21 min Scan# 98

Delta R.T. -0.02 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

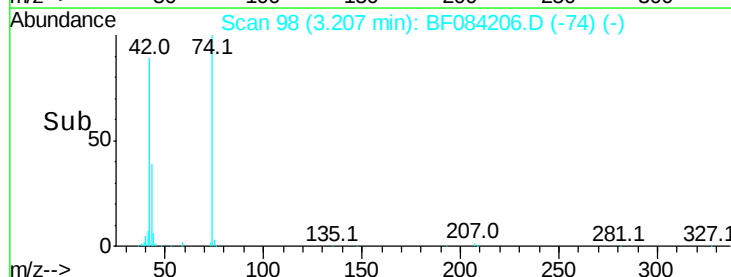
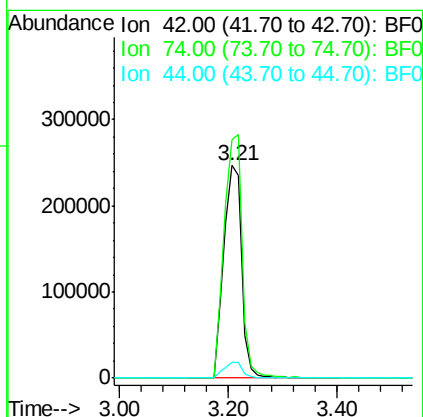
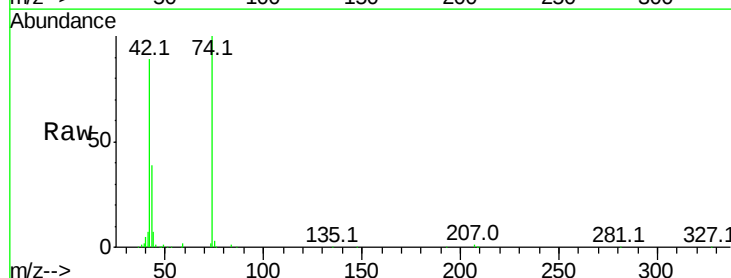
Tgt Ion: 42 Resp: 571354

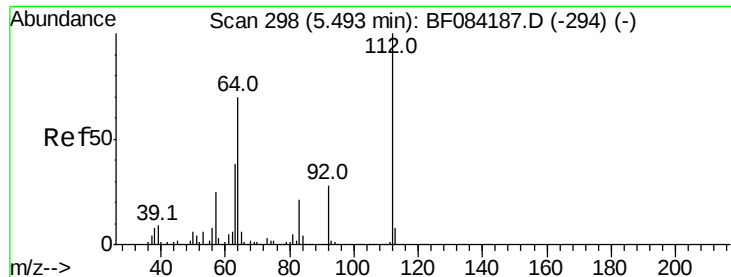
Ion Ratio Lower Upper

42 100

74 112.2 115.7 173.5#

44 7.5 5.1 7.7





#5

2-Fluorophenol

Concen: 79.32 ng

RT: 5.49 min Scan# 298

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tot Ion:112 Resp: 1564850

Ion Ratio Lower Upper

112 100

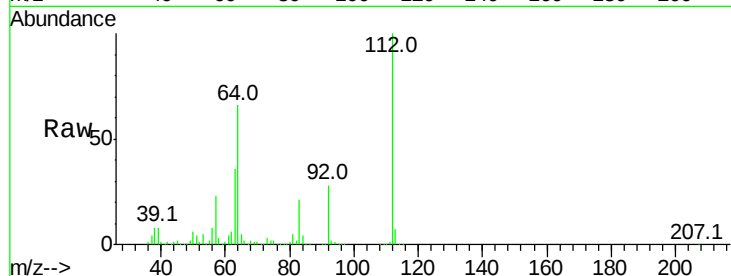
64 66.3 36.6 55.0#

63 35.7 19.4 29.0#

Manual Integrations
APPROVED

UMANGI

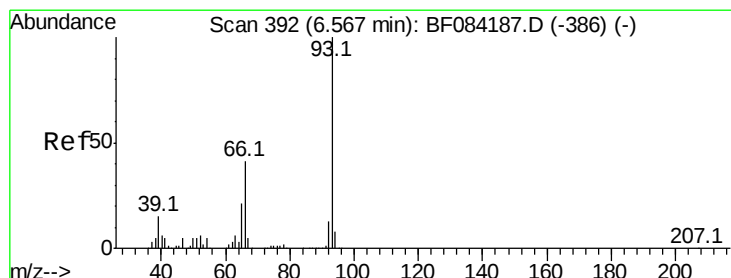
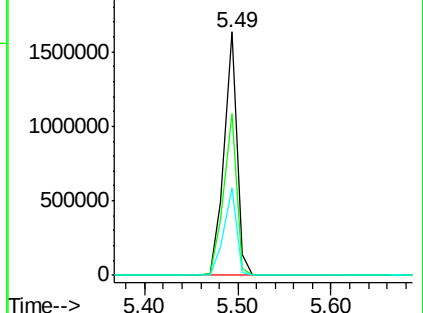
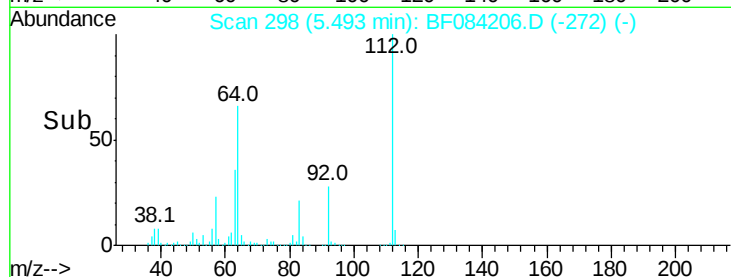
1/4/2016 4:28:58 PM



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 42.22 ng

RT: 6.57 min Scan# 392

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

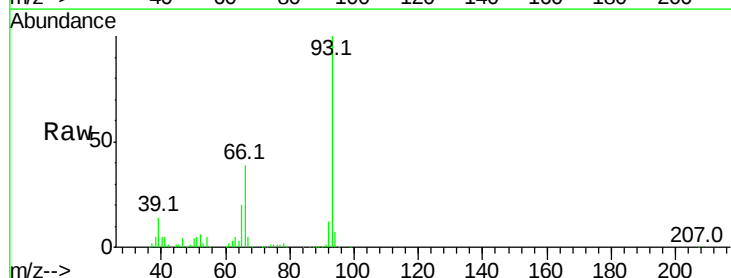
Tgt Ion: 93 Resp: 1530209

Ion Ratio Lower Upper

93 100

66 38.8 44.9 67.3#

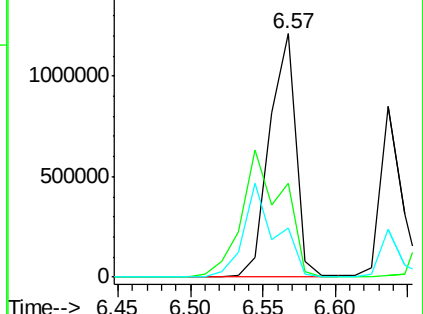
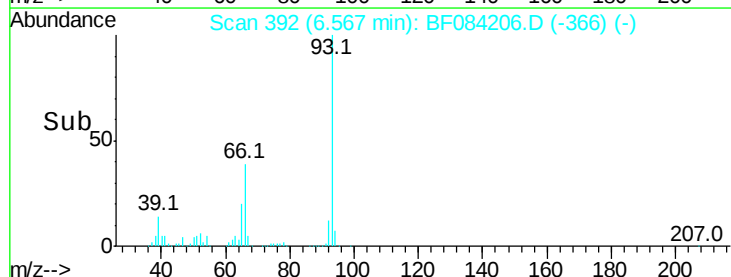
65 20.3 23.7 35.5#

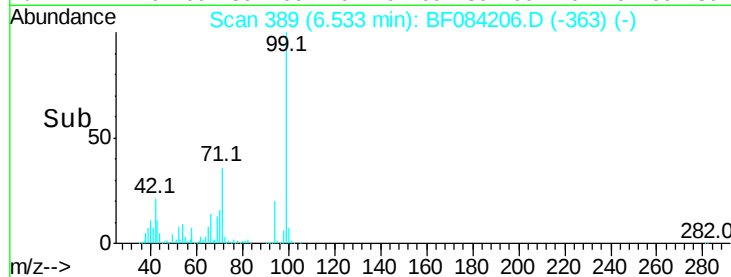
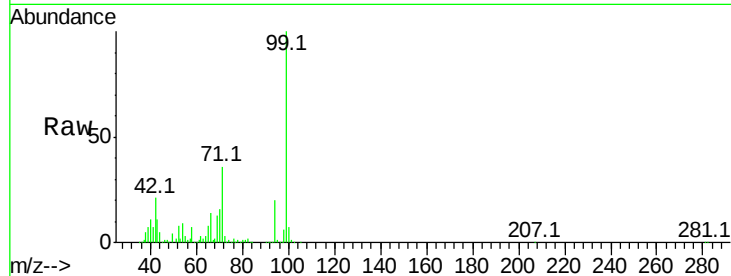
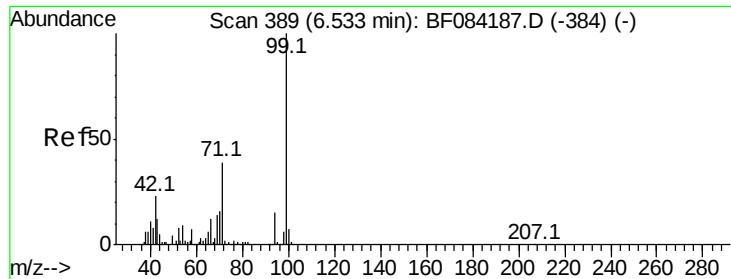


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 85.86 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Tot Ion: 99 Resp: 2127385

Ion Ratio Lower Upper

99 100

42 21.0 12.8 19.2#

71 36.4 30.9 46.3

Instrument :

BNA_F

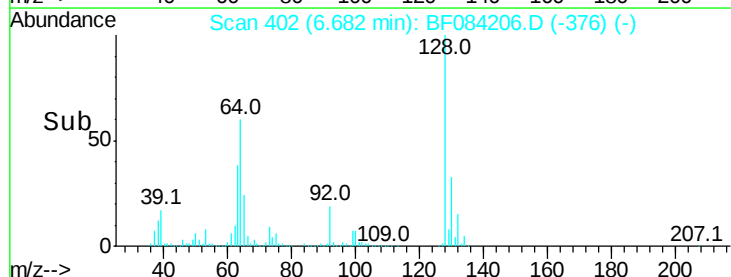
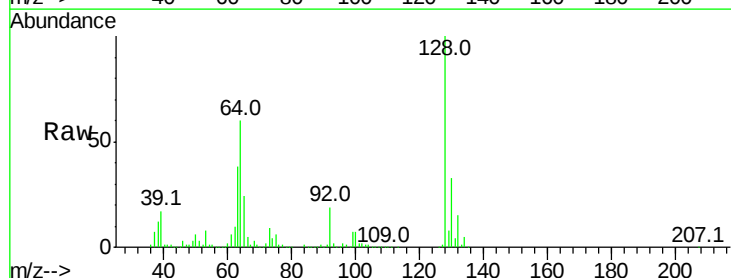
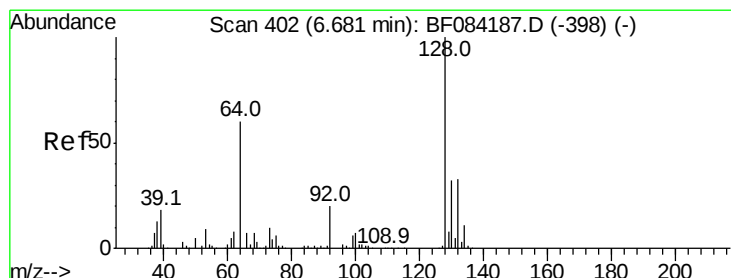
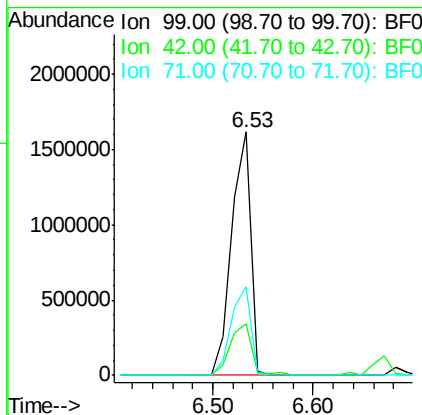
ClientSampleId :

SSTDCCC040EC

Manual Integrations
APPROVED

UMANGI

1/4/2016 4:28:58 PM



#8

2-Chlorophenol

Concen: 40.17 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

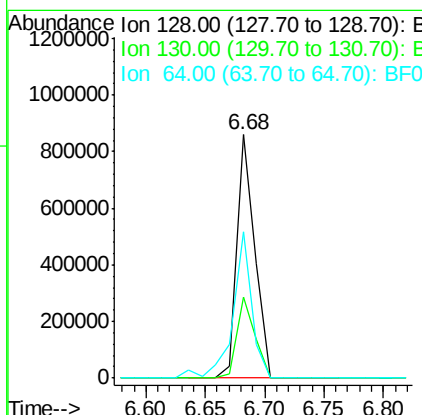
Tgt Ion:128 Resp: 899071

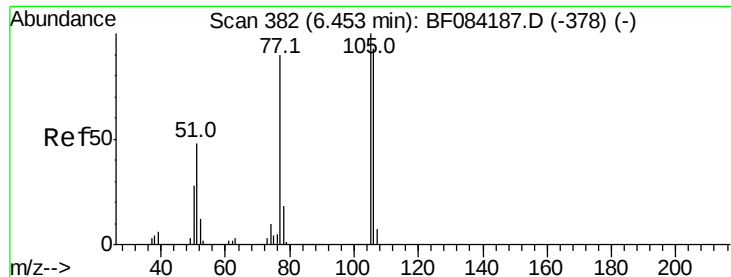
Ion Ratio Lower Upper

128 100

130 33.0 11.6 51.6

64 60.2 23.8 63.8





#9

Benzaldehyde

Concen: 38.91 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Instrument :

BNA_F

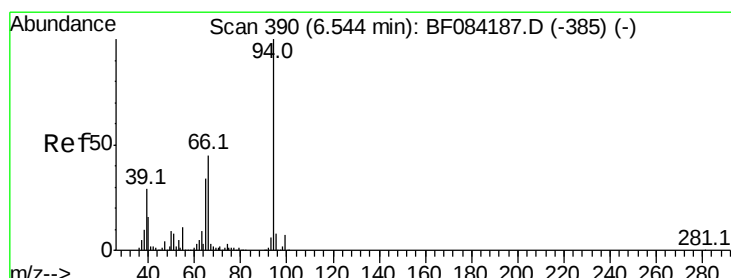
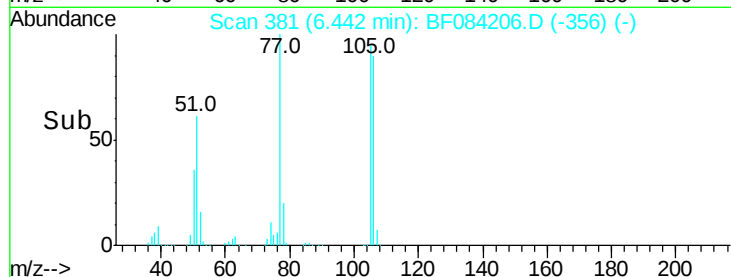
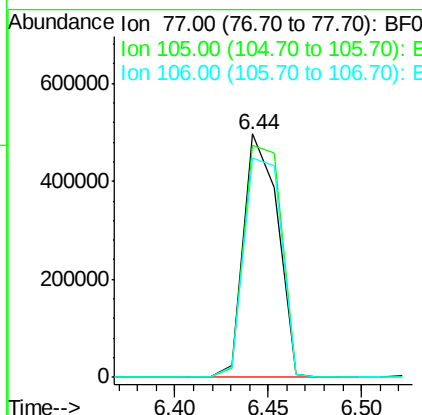
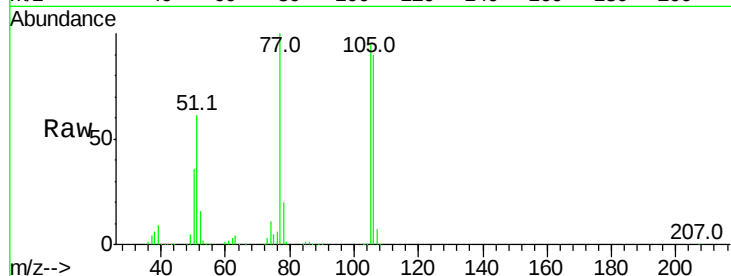
ClientSampleId :

SSTDCCC040EC

Tot Ion:	77	Resp:	627710
Ion Ratio	Lower	Upper	
77	100		
105	95.2	83.0	123.0
106	90.0	74.6	114.6

Manual Integrations
APPROVED

UMANGI
1/4/2016 4:28:58 PM



#10

Phenol

Concen: 48.49 ng

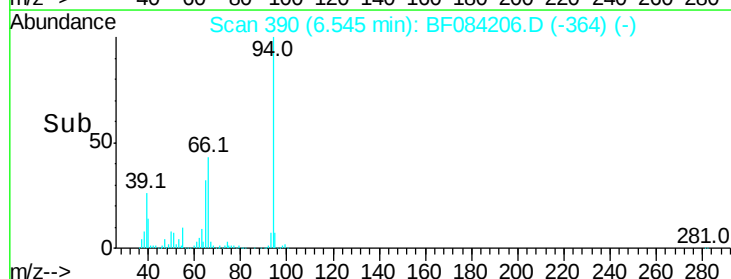
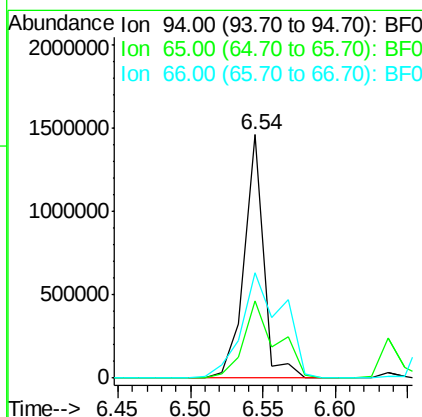
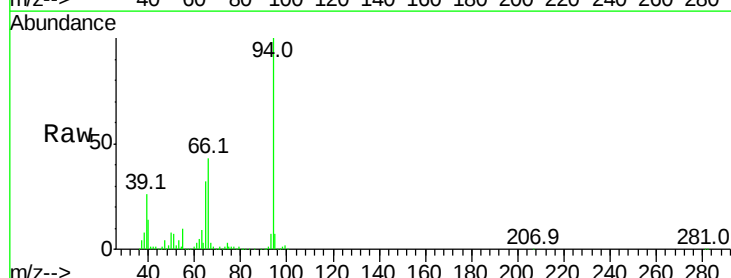
RT: 6.54 min Scan# 390

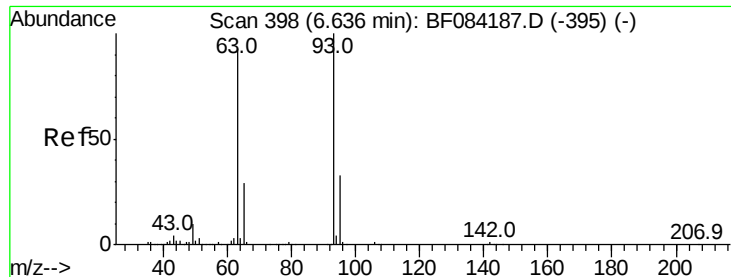
Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Tgt Ion:	94	Resp:	1365944
Ion Ratio	Lower	Upper	
94	100		
65	31.8	12.9	52.9
66	43.2	32.7	72.7





#11

bis(2-Chloroethyl)ether

Concen: 37.95 ng

RT: 6.64 min Scan# 398

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Instrument :

BNA_F

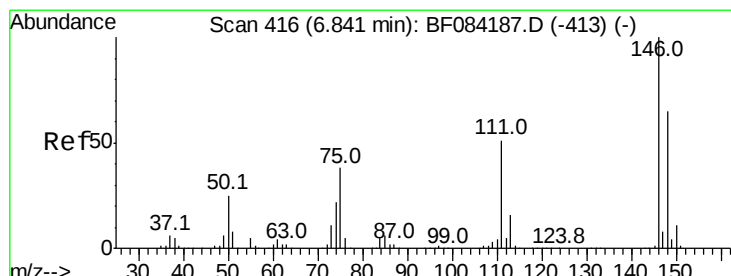
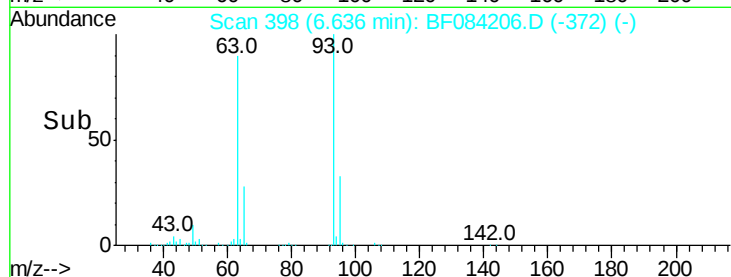
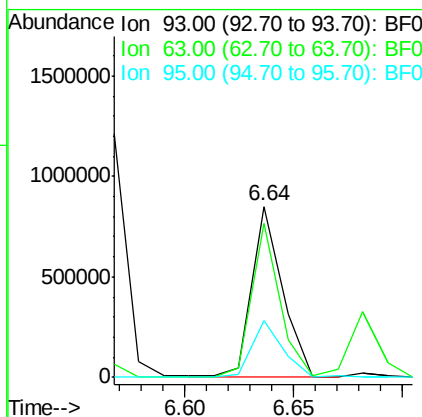
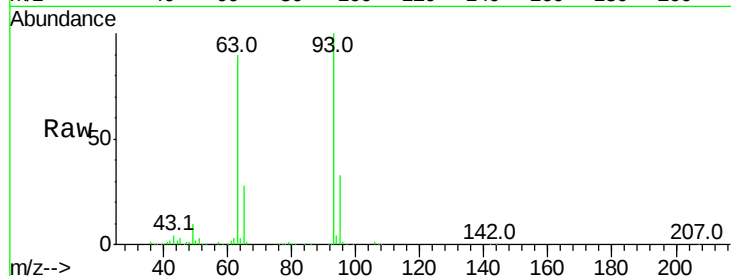
ClientSampleId :

SSTDCCC040EC

Tot Ion	Ratio	Lower	Upper
93	100		
63	89.8	45.9	85.9#
95	32.9	12.3	52.3

Manual Integrations
APPROVED

UMANGI
1/4/2016 4:28:58 PM



#12

1,3-Dichlorobenzene

Concen: 40.87 ng

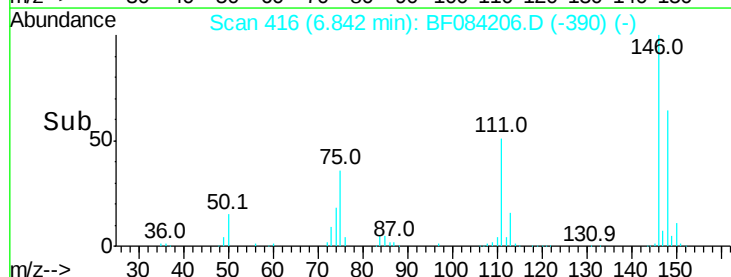
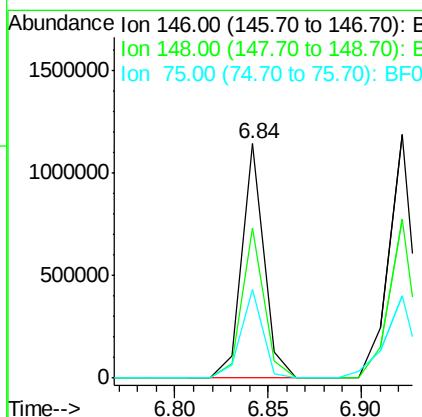
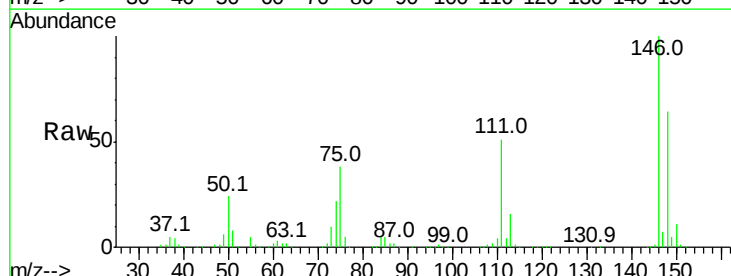
RT: 6.84 min Scan# 416

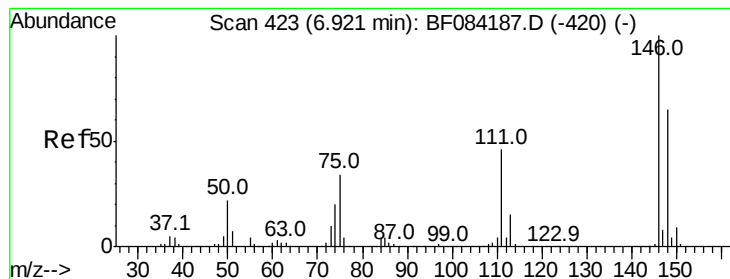
Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.9	77.9
75	37.7	20.5	30.7#





#13

1,4-Dichlorobenzene

Concen: 43.29 ng

RT: 6.92 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tot Ion:146 Resp: 1002455

Ion Ratio Lower Upper

146 100

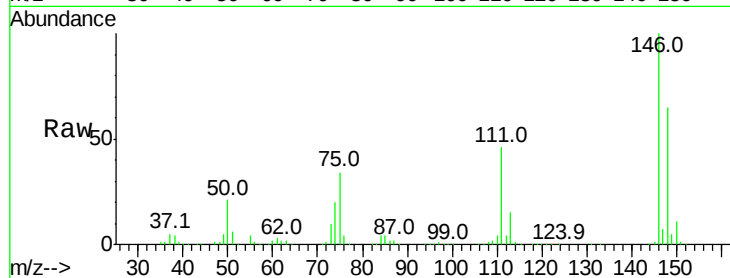
148 65.3 51.9 77.9

111 46.0 41.6 62.4

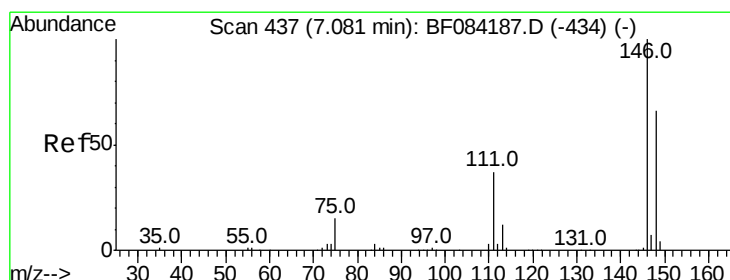
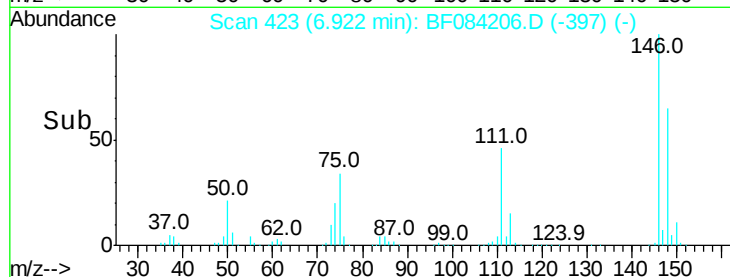
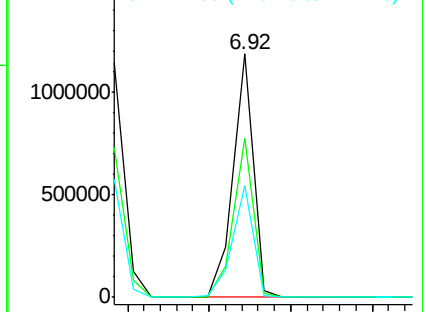
Manual Integrations
APPROVED

UMANGI

1/4/2016 4:28:58 PM



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: 38.29 ng

RT: 7.07 min Scan# 436

Delta R.T. -0.01 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

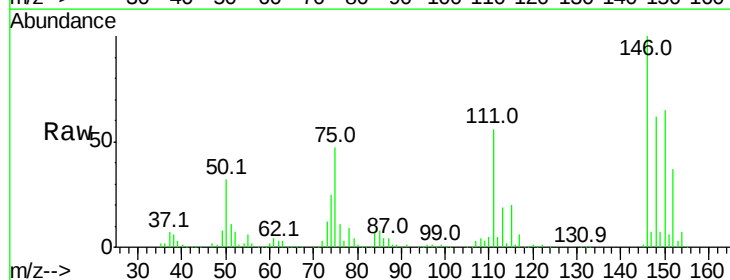
Tgt Ion:146 Resp: 849061

Ion Ratio Lower Upper

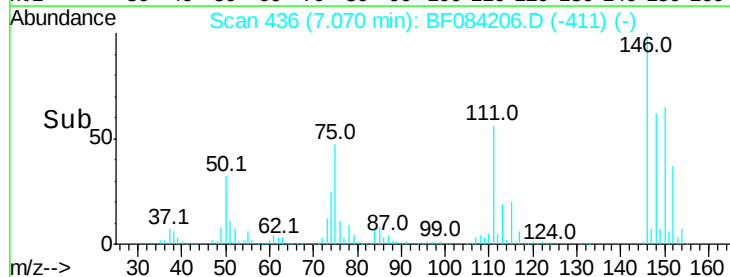
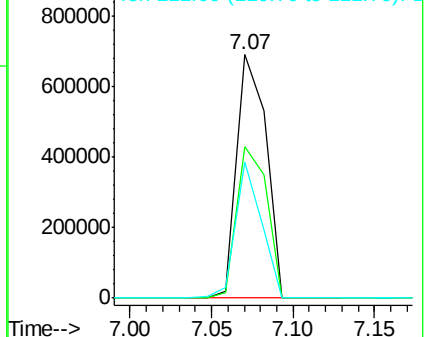
146 100

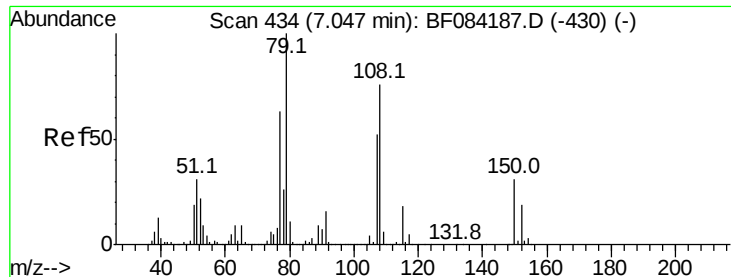
148 62.0 51.6 77.4

111 56.1 38.0 57.0



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: 43.41 ng

RT: 7.05 min Scan# 434

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tot Ion: 79 Resp: 904763

Ion Ratio Lower Upper

79 100

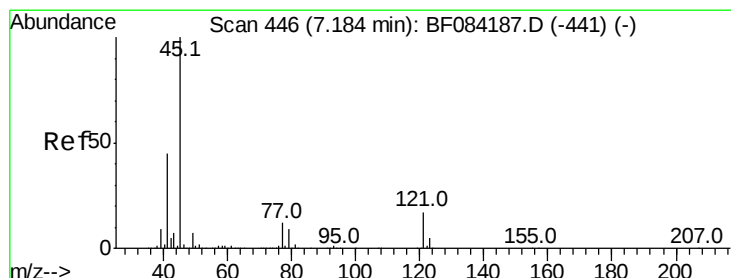
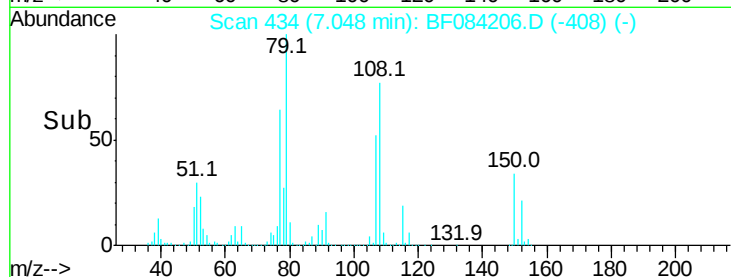
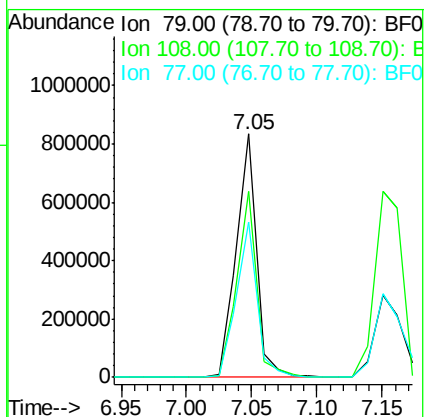
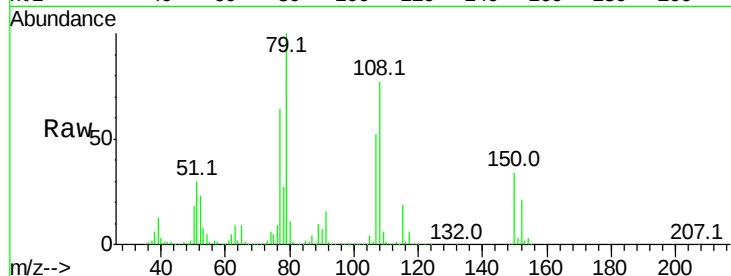
108 76.5 69.0 103.4

77 63.8 50.0 75.0

Manual Integrations
APPROVED

UMANGI

1/4/2016 4:28:58 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 39.90 ng

RT: 7.18 min Scan# 446

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

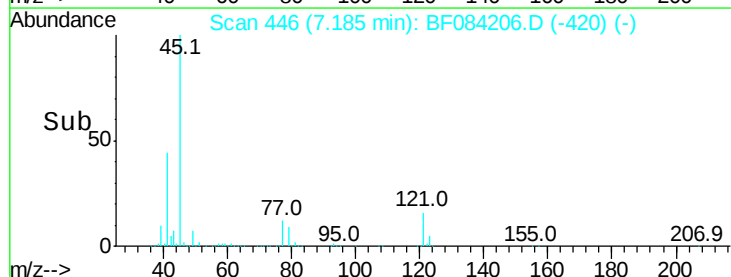
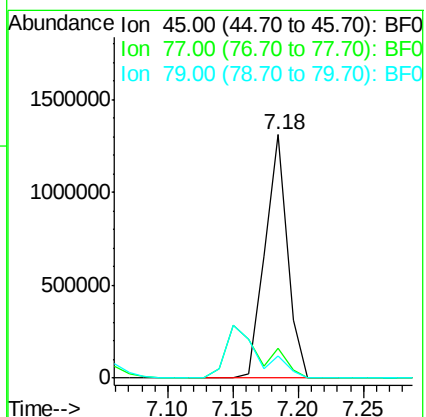
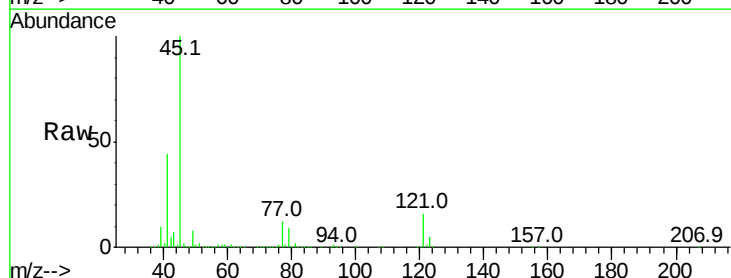
Tgt Ion: 45 Resp: 1585531

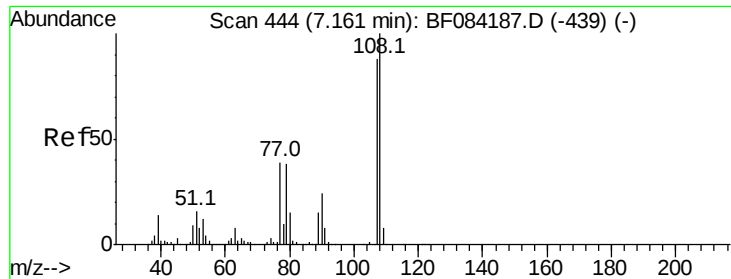
Ion Ratio Lower Upper

45 100

77 12.2 0.0 39.6

79 9.0 0.0 35.0





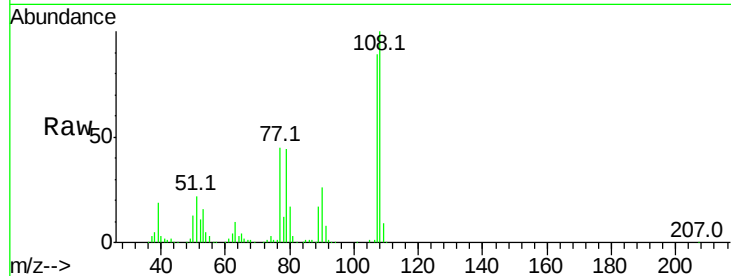
#17
2-Methylphenol
Concen: 42.82 ng
RT: 7.15 min Scan# 443
Delta R.T. -0.01 min
Lab File: BF084206.D
Acq: 31 Dec 2015 20:31

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	803270		
108	112.8		89.8	134.6
77	50.8		35.7	53.5
79	50.2		35.7	53.5

Manual Integrations
APPROVED

UMANGI
1/4/2016 4:28:58 PM



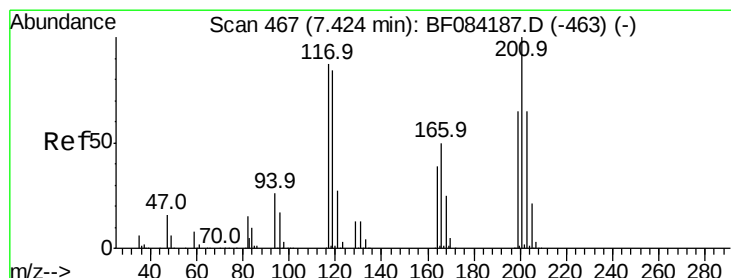
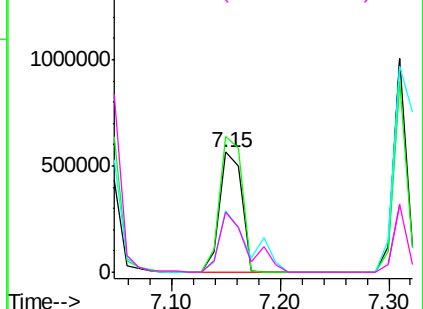
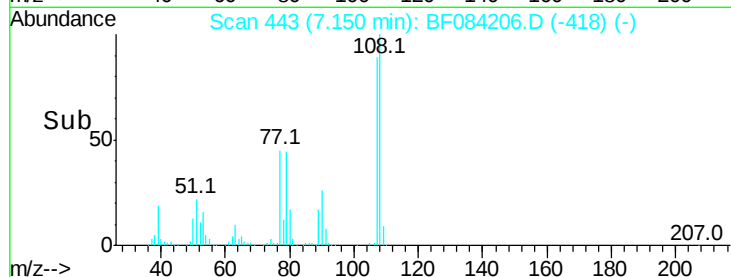
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

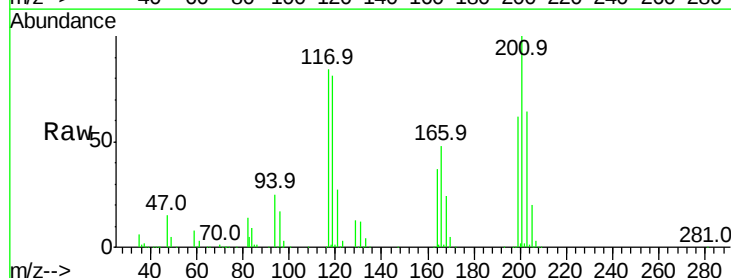
Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18
Hexachloroethane
Concen: 41.88 ng
RT: 7.42 min Scan# 467
Delta R.T. 0.00 min
Lab File: BF084206.D
Acq: 31 Dec 2015 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	387764		
119	97.4		77.4	116.0
201	119.7		68.6	103.0#

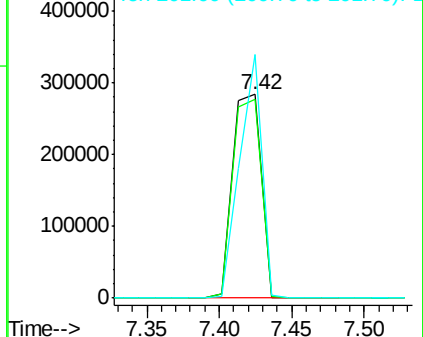
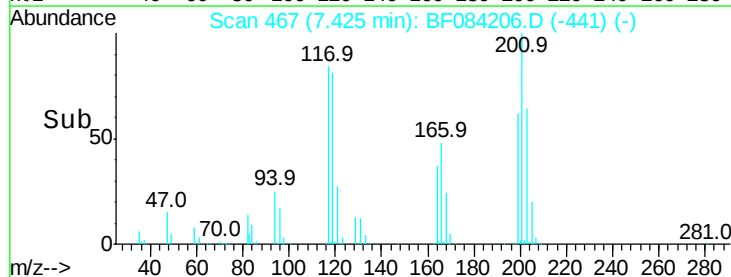


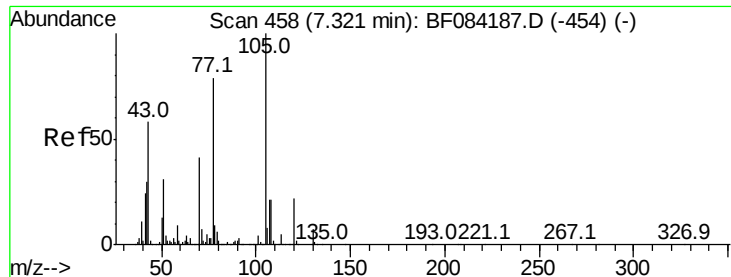
Abundance

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





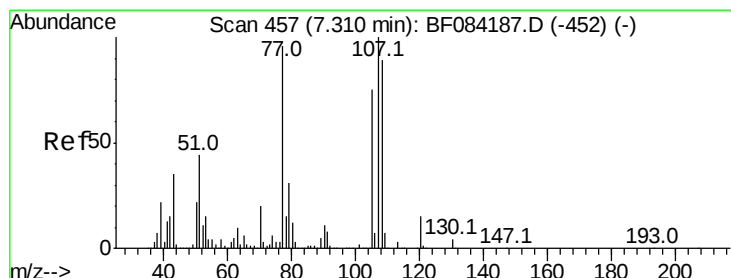
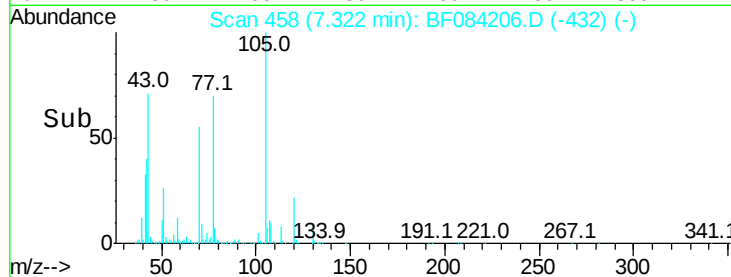
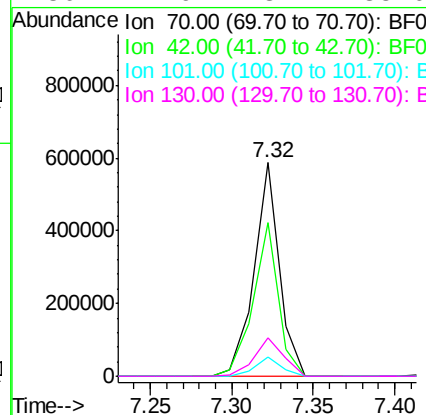
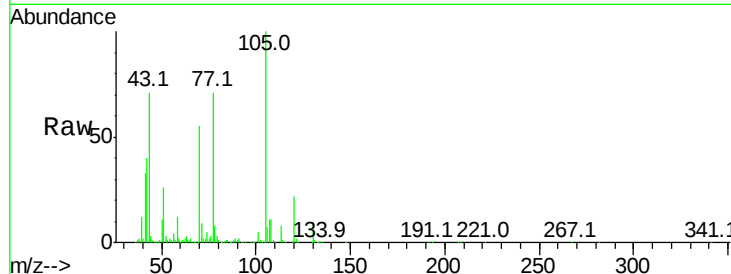
#19
n-Nitroso-di-n-propylamine
Concen: 37.70 ng
RT: 7.32 min Scan# 458
Delta R.T. 0.00 min
Lab File: BF084206.D
Acq: 31 Dec 2015 20:31

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tot Ion	Ratio	Lower	Upper
70	100		
42	71.8	33.3	49.9#
101	9.1	9.3	13.9#
130	17.9	23.4	35.0#

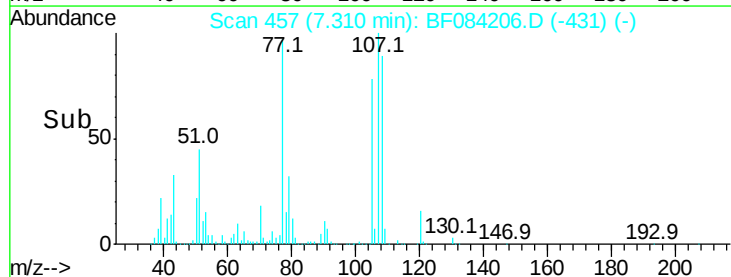
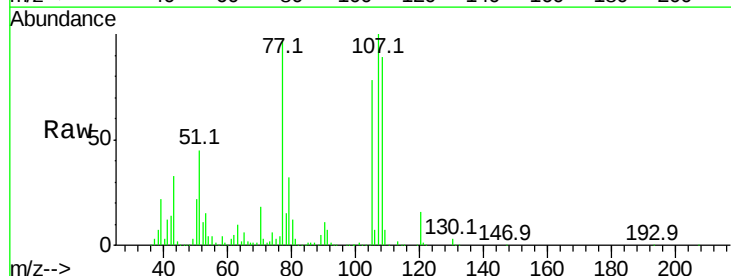
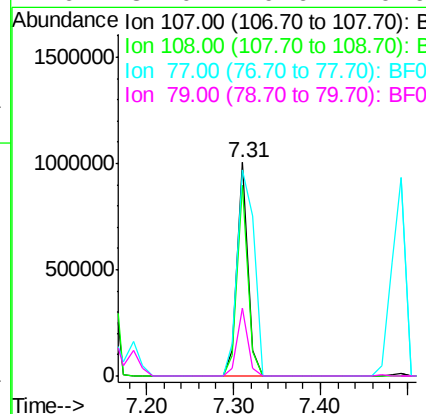
Manual Integrations
APPROVED

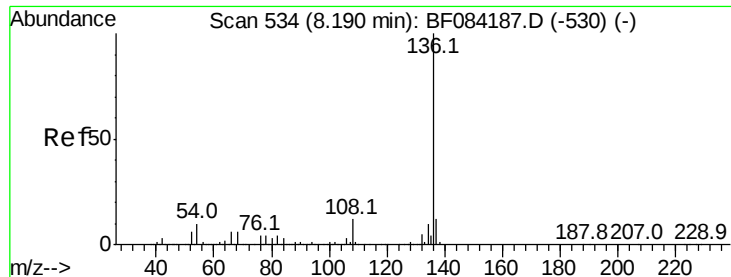
UMANGI
1/4/2016 4:28:58 PM



#20
3+4-Methylphenols
Concen: 38.92 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.00 min
Lab File: BF084206.D
Acq: 31 Dec 2015 20:31

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.4	64.1	104.1
77	96.5	128.9	168.9#
79	32.0	9.6	49.6





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tot Ion:136 Resp: 1354358

Ion Ratio Lower Upper

136 100

137 11.5 8.7 13.1

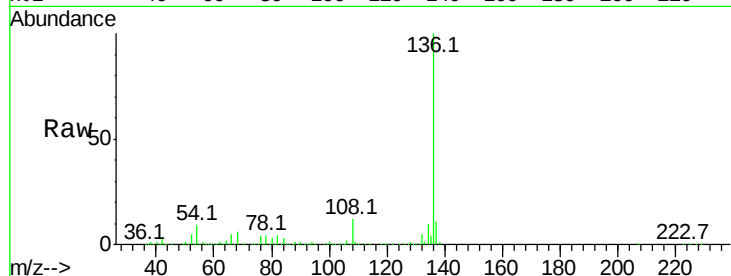
54 9.3 5.8 8.8#

68 5.5 4.2 6.2

Manual Integrations
APPROVED

UMANGI

1/4/2016 4:28:58 PM

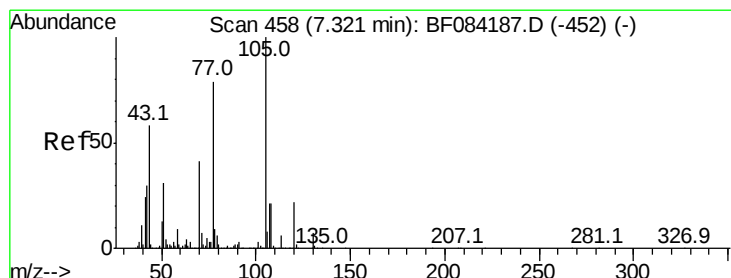
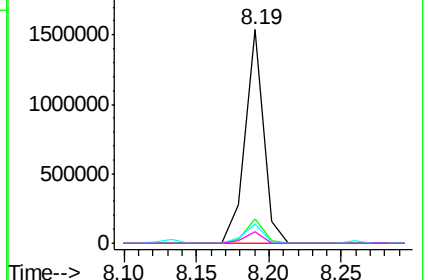
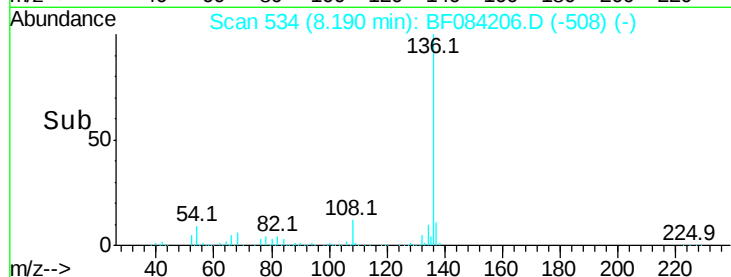


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 41.69 ng

RT: 7.32 min Scan# 458

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Tgt Ion:105 Resp: 1357775

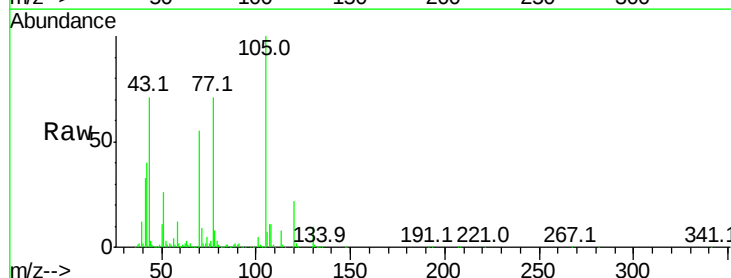
Ion Ratio Lower Upper

105 100

71 9.1 3.7 5.5#

51 26.5 25.1 37.7

120 21.7 16.6 25.0

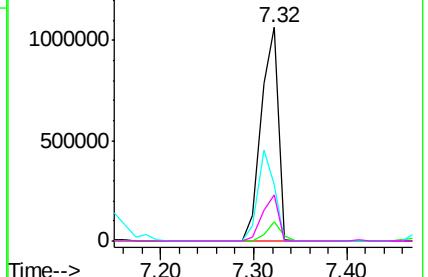
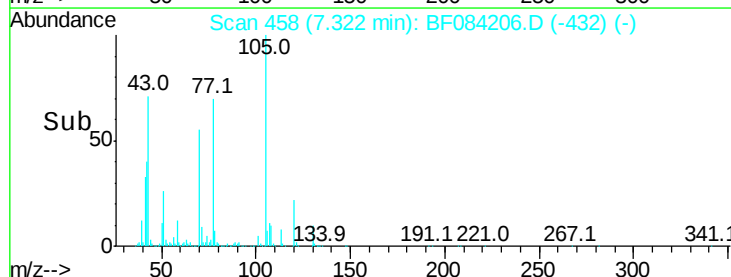


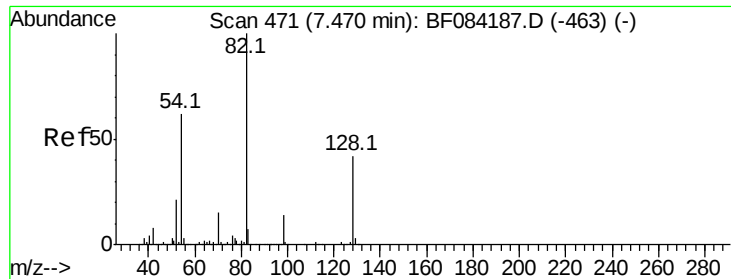
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





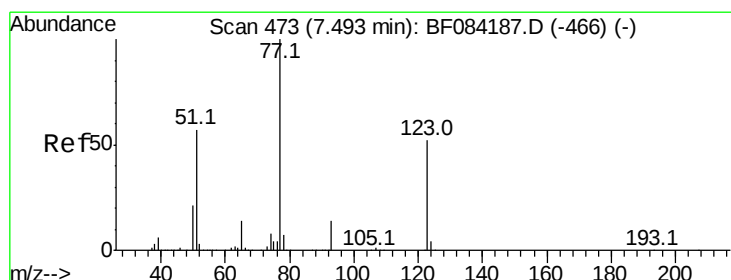
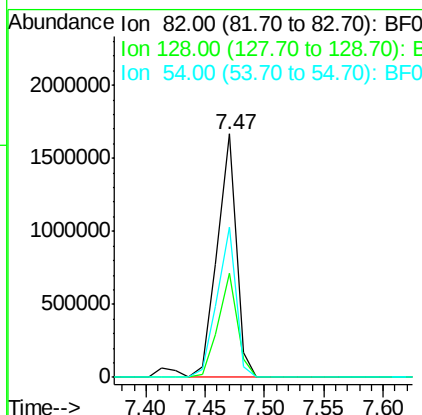
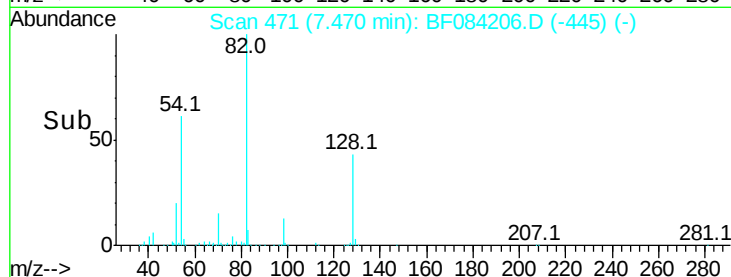
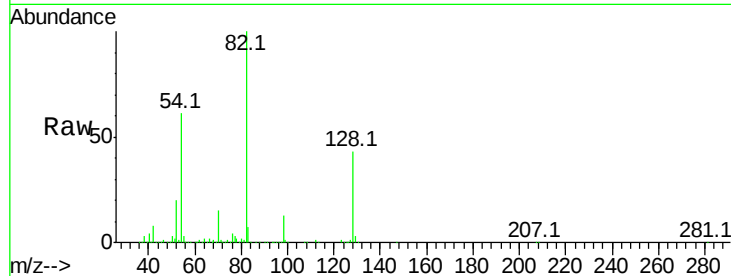
#23
 Nitrobenzene-d5
 Concen: 75.50 ng
 RT: 7.47 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: BF084206.D
 Acq: 31 Dec 2015 20:31

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

Tot Ion: 82 Resp: 1837289
 Ion Ratio Lower Upper
 82 100
 128 42.6 34.6 51.8
 54 61.5 38.4 57.6#

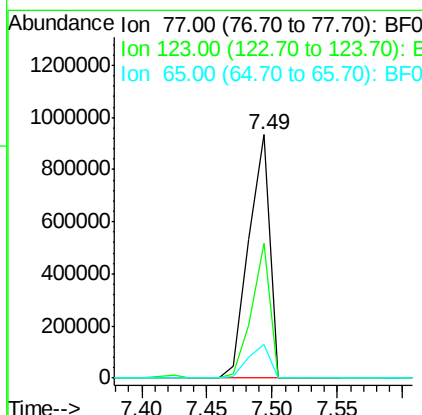
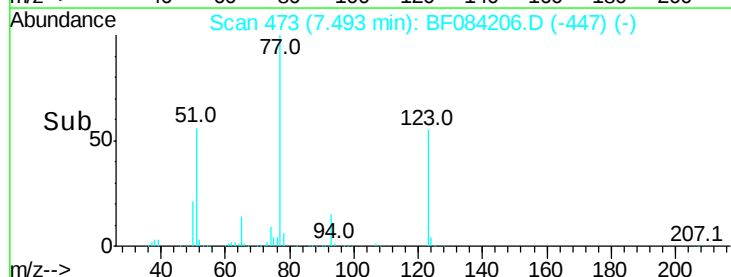
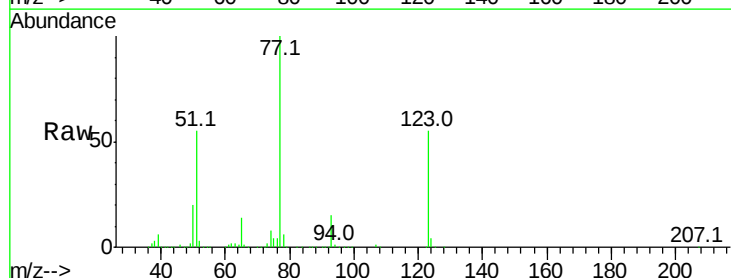
Manual Integrations
 APPROVED

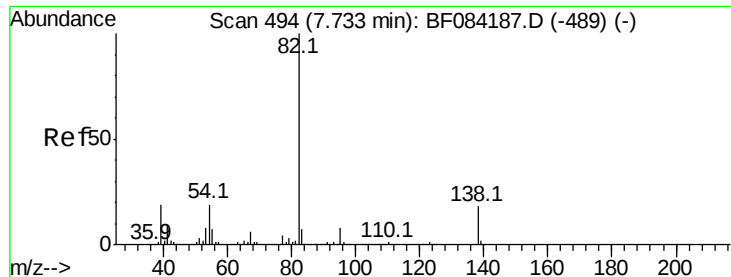
UMANGI
 1/4/2016 4:28:58 PM



#24
 Nitrobenzene
 Concen: 42.25 ng
 RT: 7.49 min Scan# 473
 Delta R.T. 0.00 min
 Lab File: BF084206.D
 Acq: 31 Dec 2015 20:31

Tgt Ion: 77 Resp: 1042862
 Ion Ratio Lower Upper
 77 100
 123 55.2 37.4 56.2
 65 13.8 10.9 16.3





#25

Isophorone

Concen: 39.89 ng

RT: 7.73 min Scan# 494

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tot Ion: 82 Resp: 1856492

Ion Ratio Lower Upper

82 100

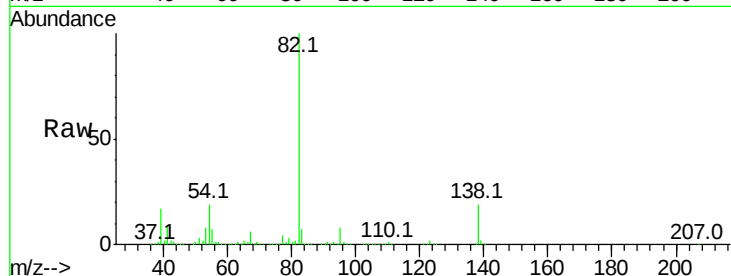
95 8.2 6.6 10.0

138 18.6 13.6 20.4

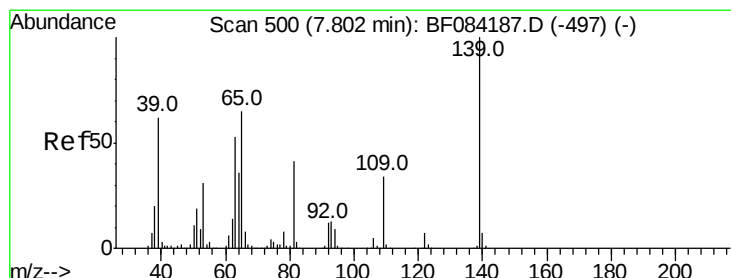
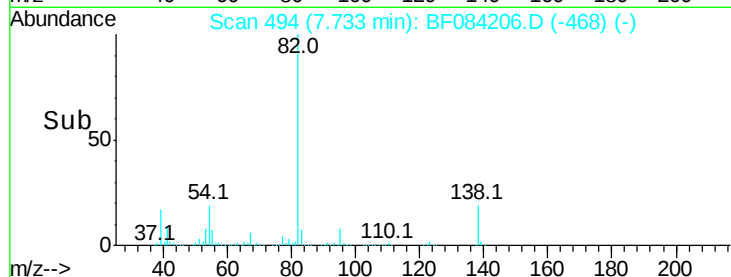
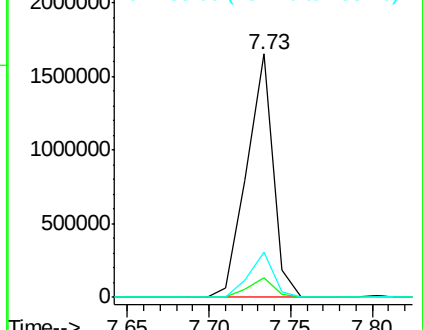
Manual Integrations
APPROVED

UMANGI

1/4/2016 4:28:58 PM



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



#26

2-Nitrophenol

Concen: 39.71 ng

RT: 7.80 min Scan# 500

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

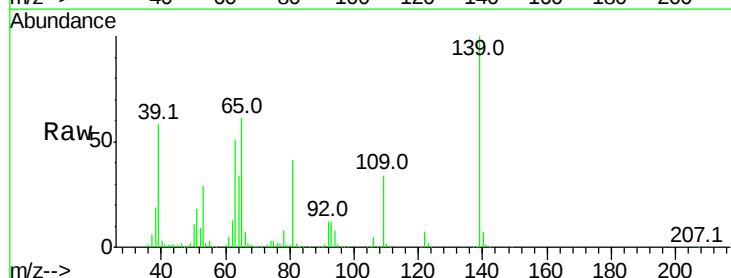
Tgt Ion: 139 Resp: 446101

Ion Ratio Lower Upper

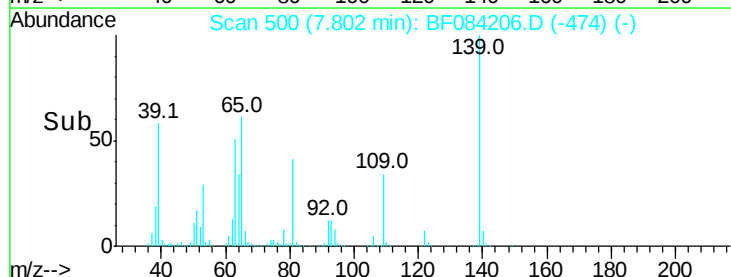
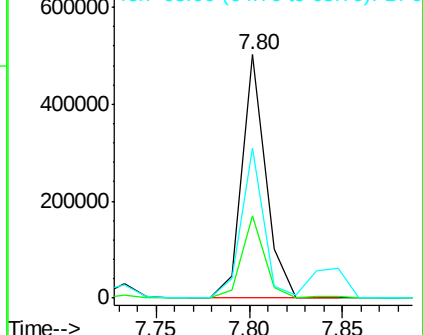
139 100

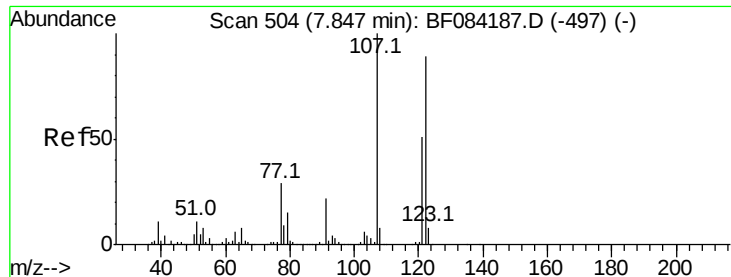
109 33.6 25.4 38.2

65 61.5 32.3 48.5#



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





#27

2,4-Dimethylphenol

Concen: 40.87 ng

RT: 7.85 min Scan# 504

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Instrument :

BNA_F

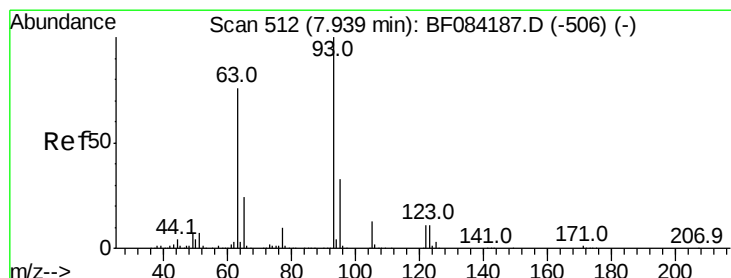
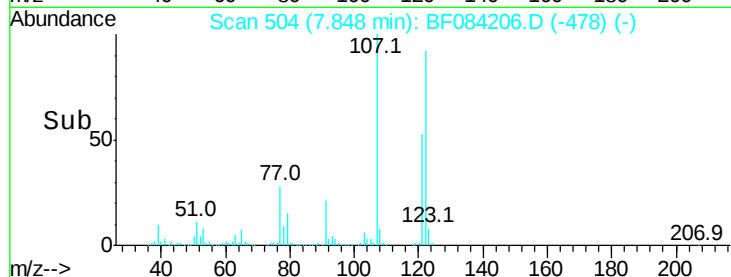
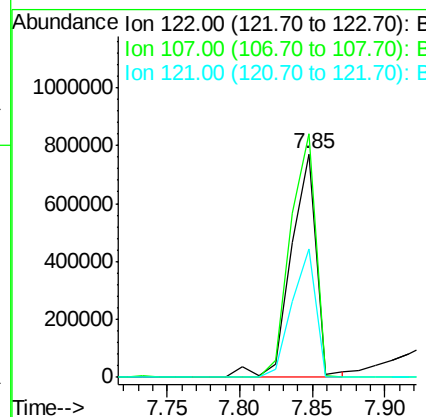
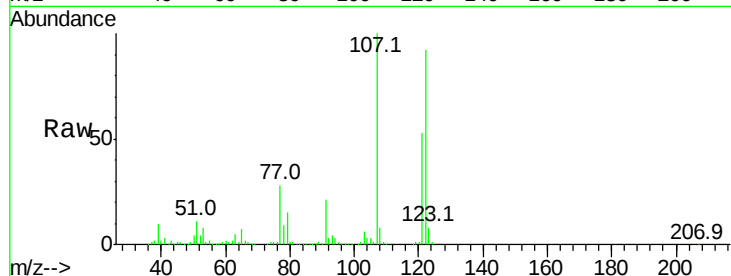
ClientSampleId :

SSTDCCC040EC

Tot Ion:	122	Resp:	929252
Ion Ratio	Lower	Upper	
122	100		
107	109.1	99.1	148.7
121	57.4	47.9	71.9

Manual Integrations
APPROVED

UMANGI
1/4/2016 4:28:58 PM



#28

bis(2-Chloroethoxy)methane

Concen: 35.90 ng

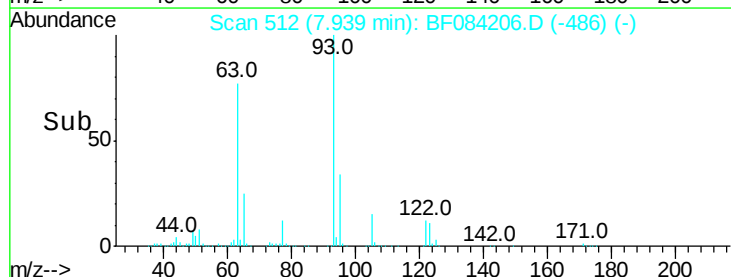
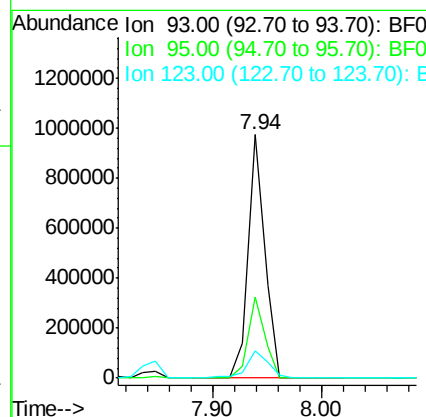
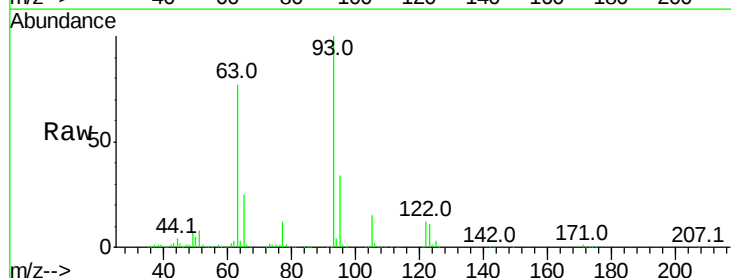
RT: 7.94 min Scan# 512

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Tgt Ion:	93	Resp:	1020615
Ion Ratio	Lower	Upper	
93	100		
95	33.5	25.8	38.6
123	11.1	8.6	12.8





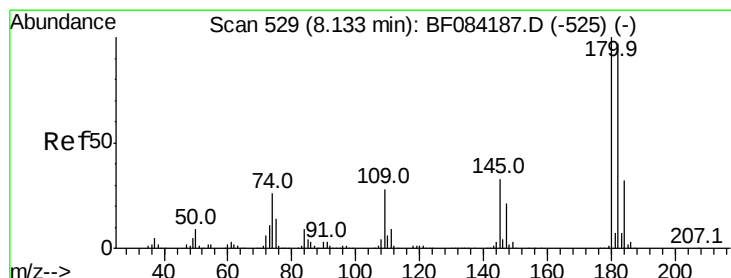
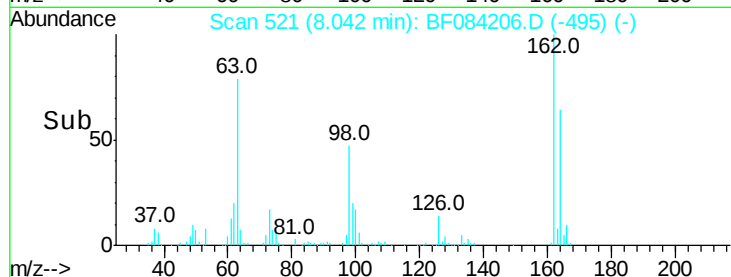
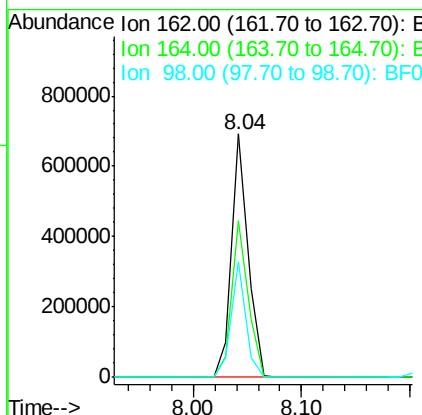
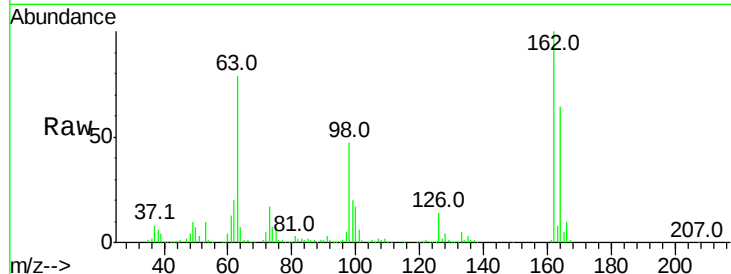
#29
 2,4-Dichlorophenol
 Concen: 38.02 ng
 RT: 8.04 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: BF084206.D
 Acq: 31 Dec 2015 20:31

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

Tot Ion	Ratio	Resp	Lower	Upper
162	100	720134		
164	64.4	44.1	84.1	
98	47.4	20.2	60.2	

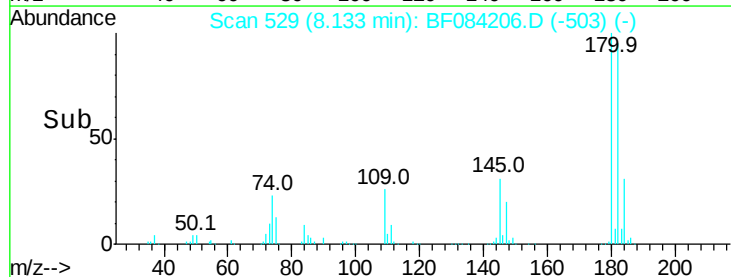
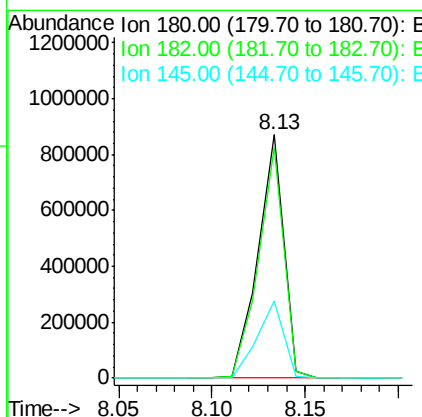
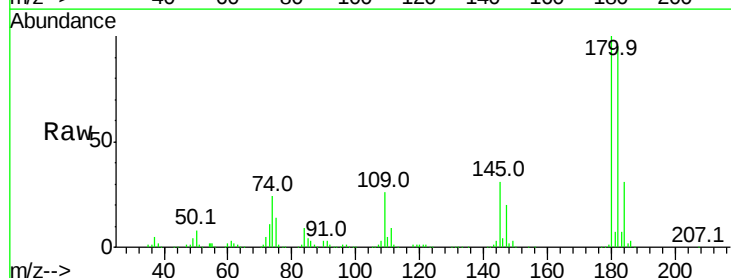
Manual Integrations
 APPROVED

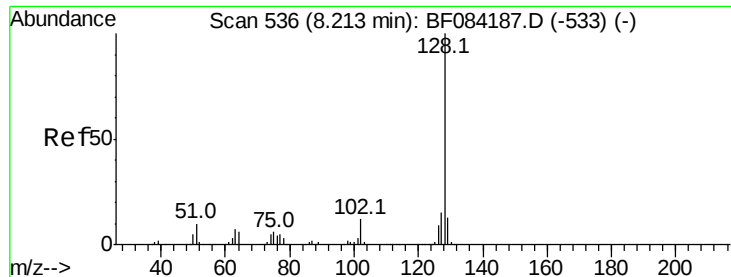
UMANGI
 1/4/2016 4:28:58 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 42.22 ng
 RT: 8.13 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: BF084206.D
 Acq: 31 Dec 2015 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	825506		
182	95.0	76.4	114.6	
145	31.5	31.6	47.4#	





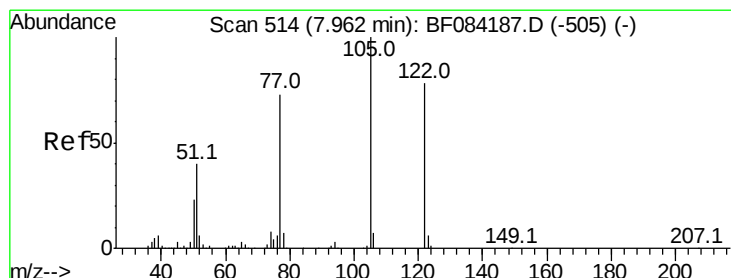
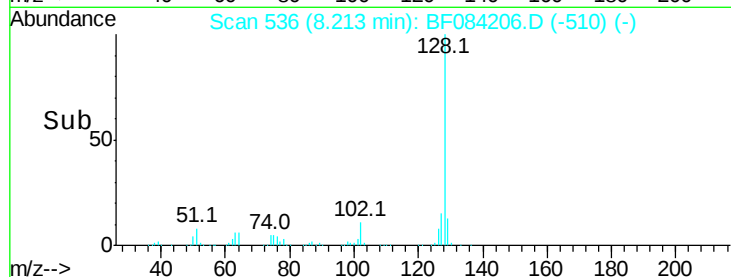
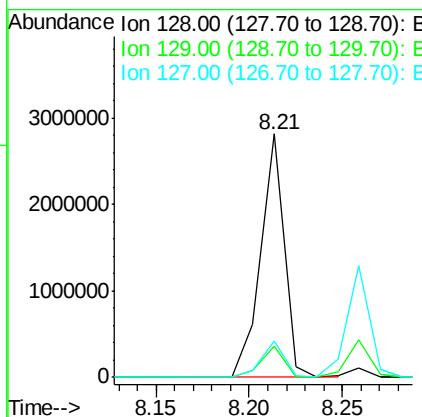
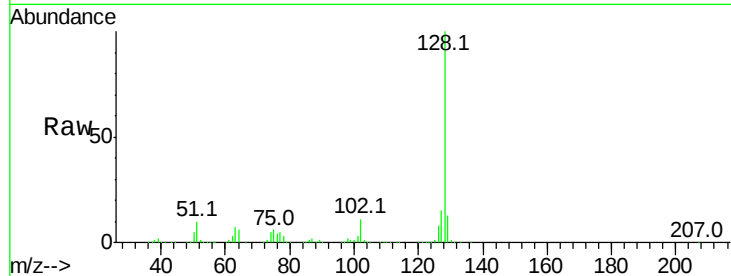
#31
Naphthalene
Concen: 40.00 ng
RT: 8.21 min Scan# 536
Delta R.T. 0.00 min
Lab File: BF084206.D
Acq: 31 Dec 2015 20:31

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.7	9.1	13.7
127	15.1	11.1	16.7

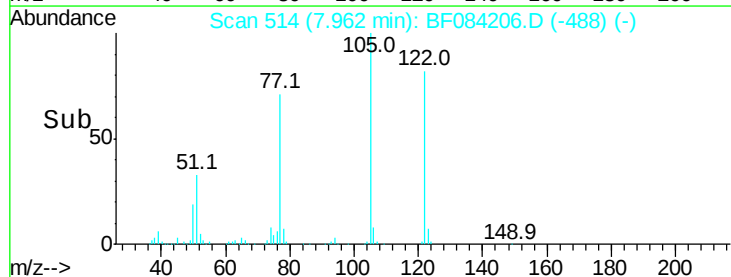
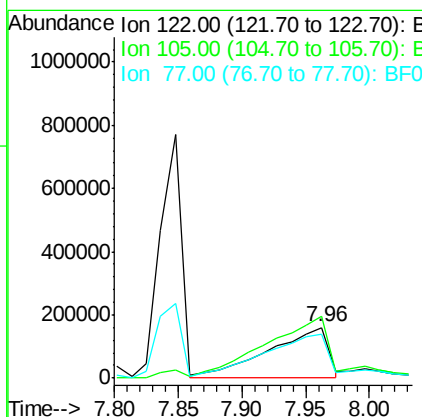
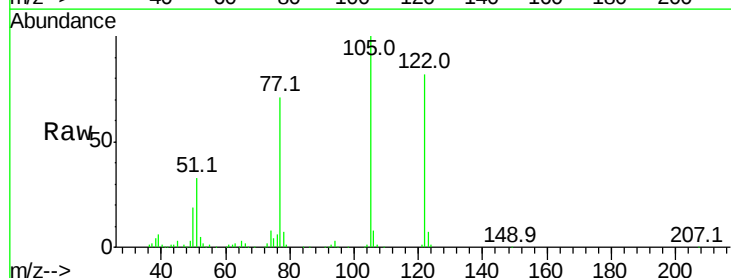
Manual Integrations
APPROVED

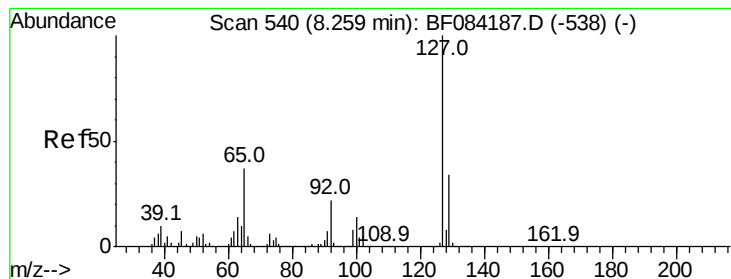
UMANGI
1/4/2016 4:28:58 PM



#32
Benzoic acid
Concen: 37.36 ng m
RT: 7.96 min Scan# 514
Delta R.T. 0.00 min
Lab File: BF084206.D
Acq: 31 Dec 2015 20:31

Tgt Ion	Ratio	Lower	Upper
122	100		
105	122.2	100.3	140.3
77	86.2	63.5	103.5





#33

4-Chloroaniline

Concen: 39.15 ng

RT: 8.26 min Scan# 540

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Instrument :

BNA_F

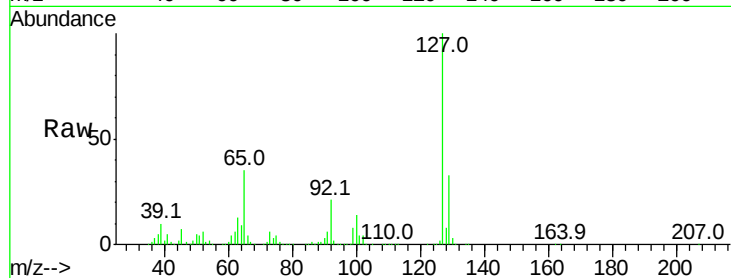
ClientSampleId :

SSTDCCC040EC

Tot Ion	Ratio	Lower	Upper
127	100		
129	33.5	26.5	39.7
65	34.8	27.2	40.8
92	21.4	17.7	26.5

Manual Integrations
APPROVED

UMANGI
1/4/2016 4:28:58 PM

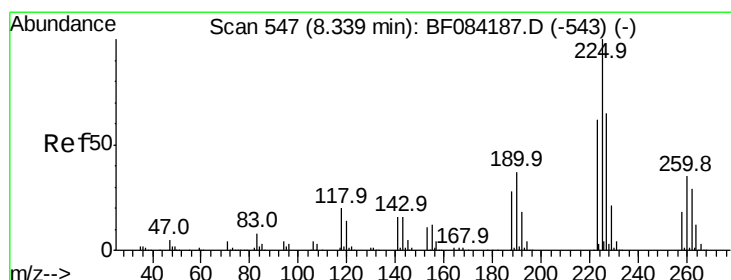
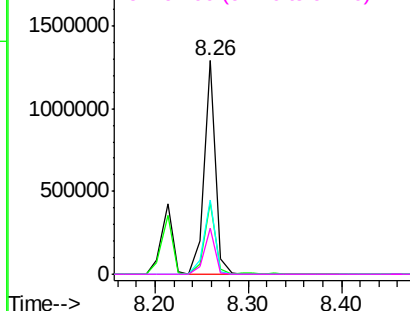
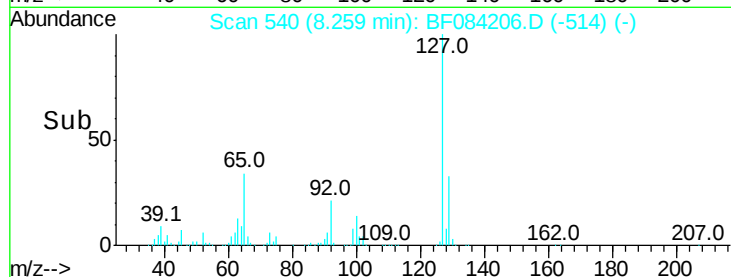


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 40.58 ng

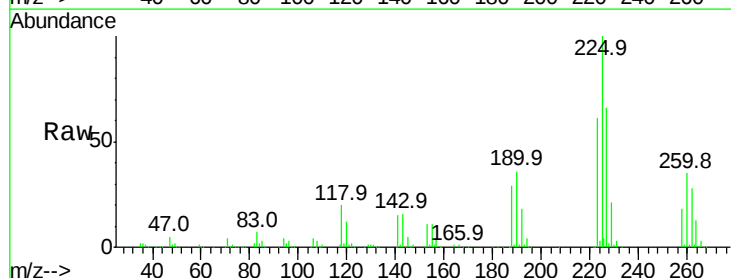
RT: 8.34 min Scan# 547

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

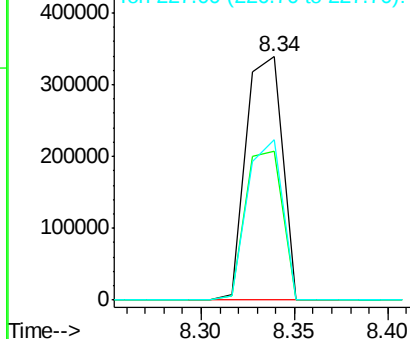
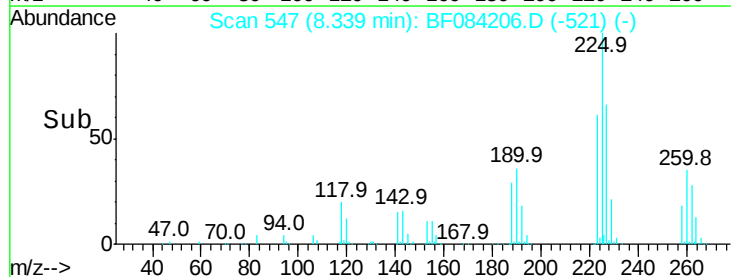
Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	49.4	74.0
227	65.8	50.8	76.2

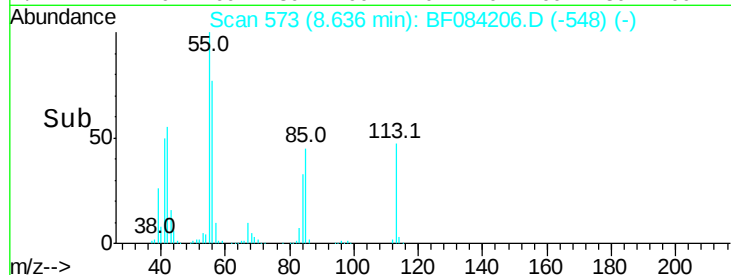
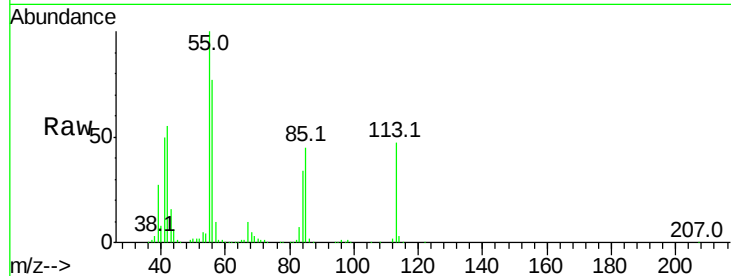
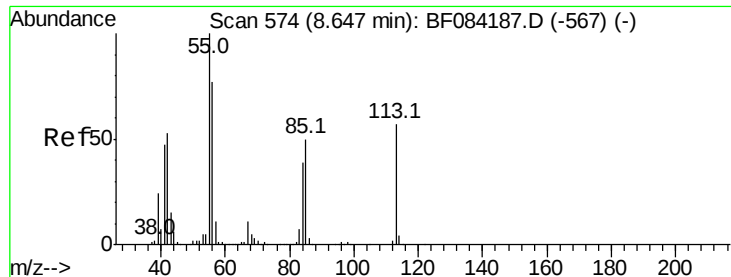


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





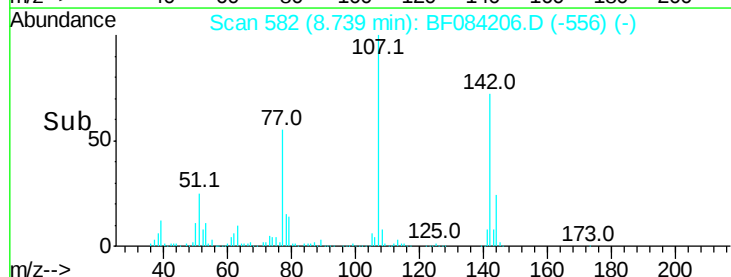
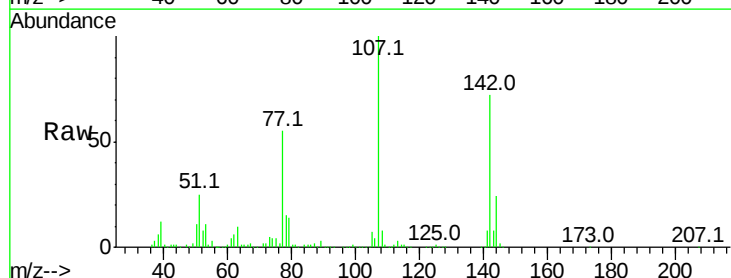
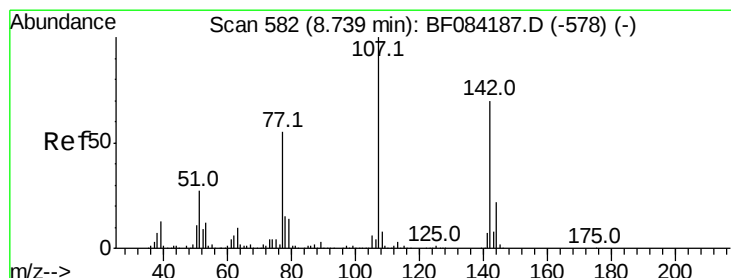
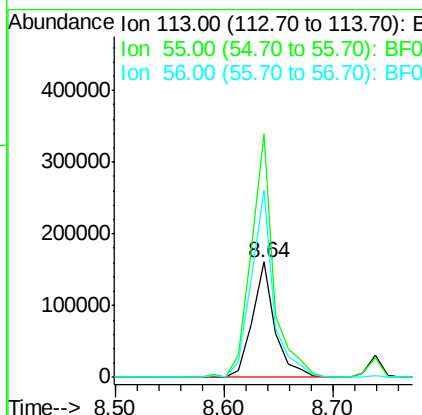
#35
Caprolactam
Concen: 36.55 ng
RT: 8.64 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF084206.D
Acq: 31 Dec 2015 20:31

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
55	210.9	116.9	156.9#	
56	162.8	93.8	133.8#	

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

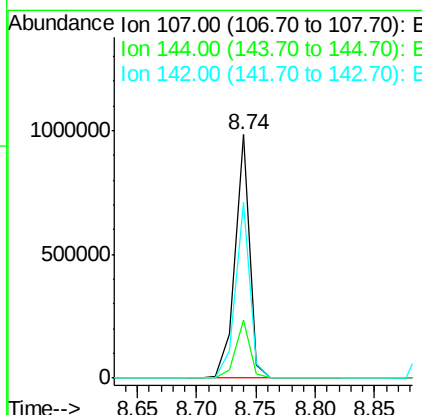
Manual Integrations
APPROVED

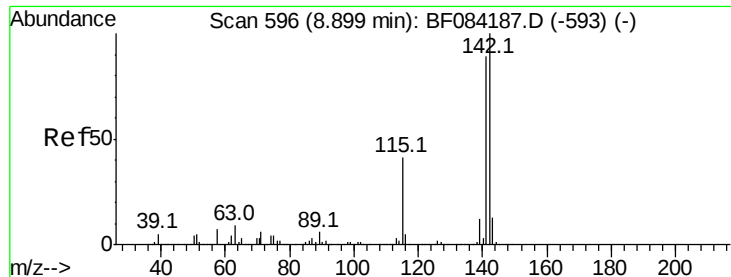
UMANGI
1/4/2016 4:28:58 PM



#36
4-Chloro-3-methylphenol
Concen: 39.76 ng
RT: 8.74 min Scan# 582
Delta R.T. 0.00 min
Lab File: BF084206.D
Acq: 31 Dec 2015 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
144	23.7	19.7	29.5	
142	72.2	61.8	92.6	





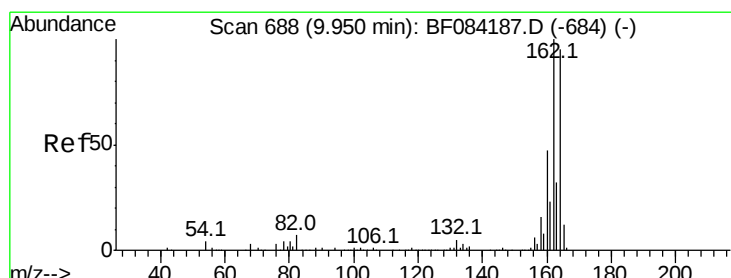
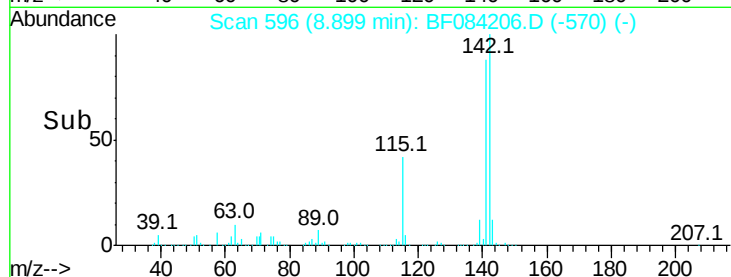
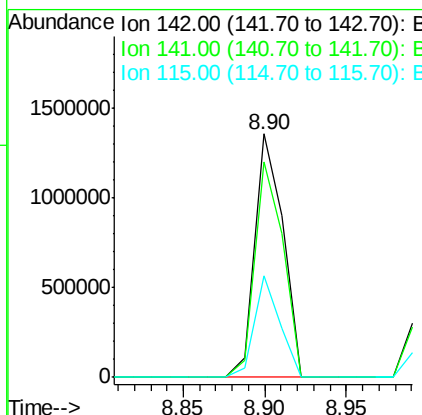
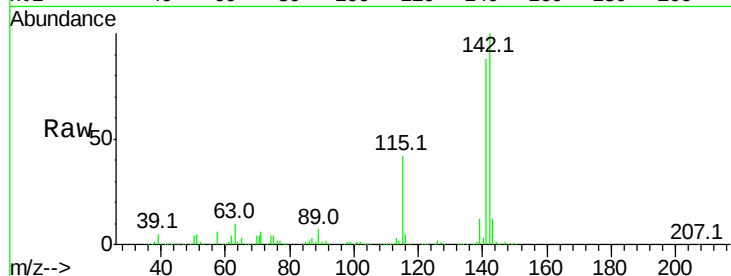
#37
2-Methylnaphthalene
Concen: 36.80 ng
RT: 8.90 min Scan# 596
Delta R.T. 0.00 min
Lab File: BF084206.D
Acq: 31 Dec 2015 20:31

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.5	72.4	108.6
115	41.8	27.9	41.9

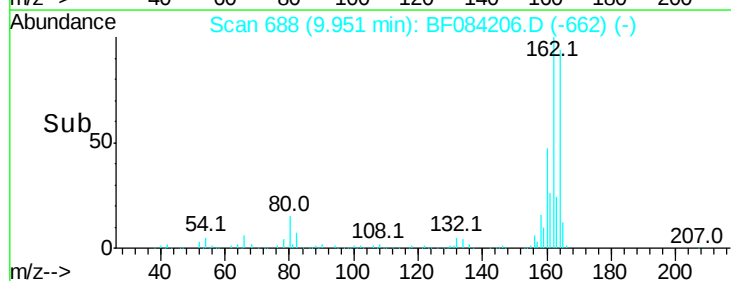
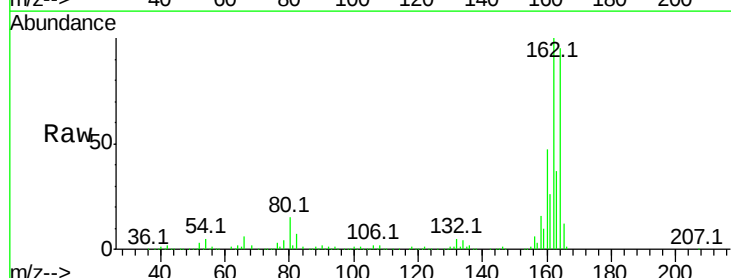
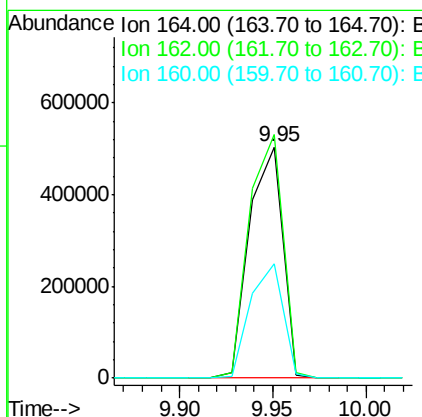
Manual Integrations
APPROVED

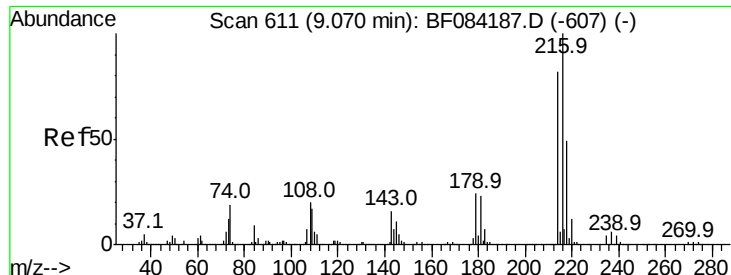
UMANGI
1/4/2016 4:28:58 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 688
Delta R.T. 0.00 min
Lab File: BF084206.D
Acq: 31 Dec 2015 20:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.3	85.1	127.7
160	49.5	37.5	56.3





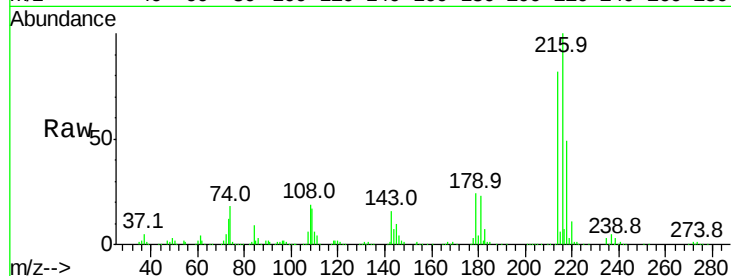
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 41.99 ng
 RT: 9.07 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: BF084206.D
 Acq: 31 Dec 2015 20:31

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

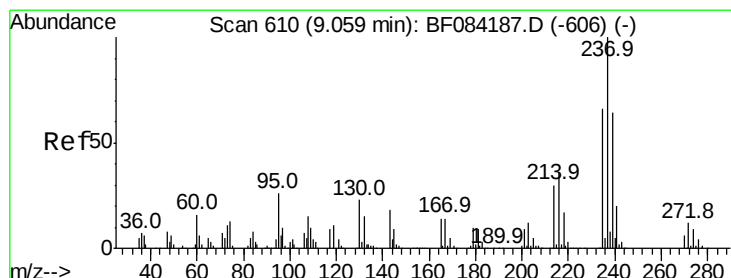
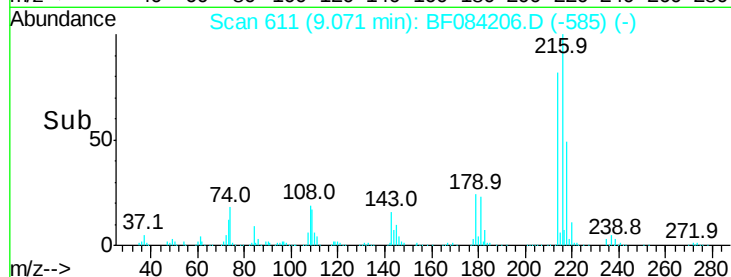
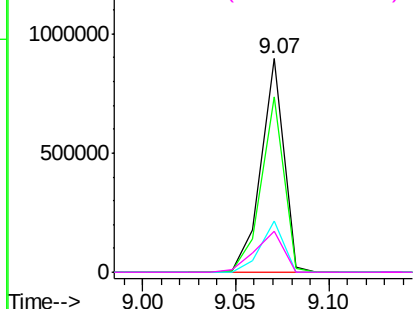
Tot Ion	Ratio	Resp	Lower	Upper
216	100	752670		
214	81.3	64.2	96.2	
179	24.5	18.7	28.1	
108	24.0	16.8	25.2	

Manual Integrations
 APPROVED

UMANGI
 1/4/2016 4:28:58 PM

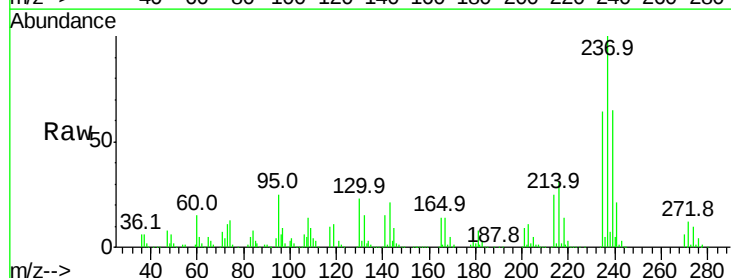


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

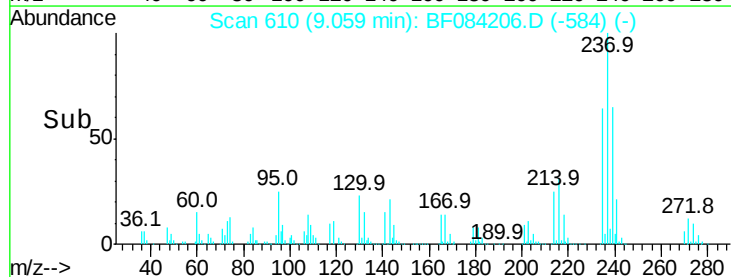
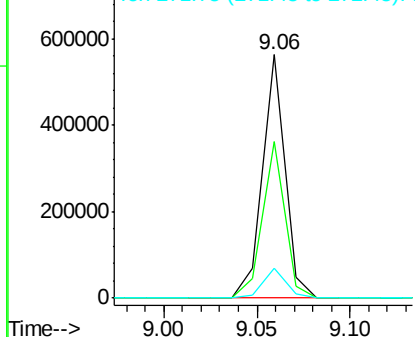


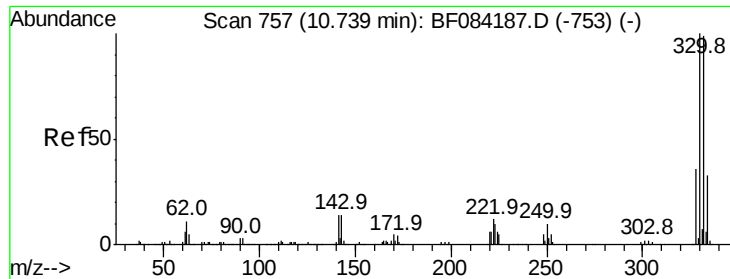
#40
 Hexachlorocyclopentadiene
 Concen: 43.16 ng
 RT: 9.06 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: BF084206.D
 Acq: 31 Dec 2015 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	467015		
235	64.5	43.1	83.1	
272	12.1	0.0	35.1	



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





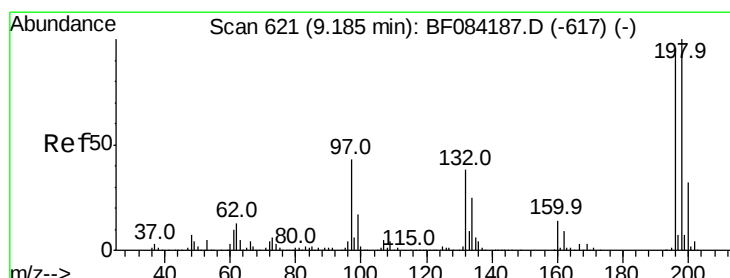
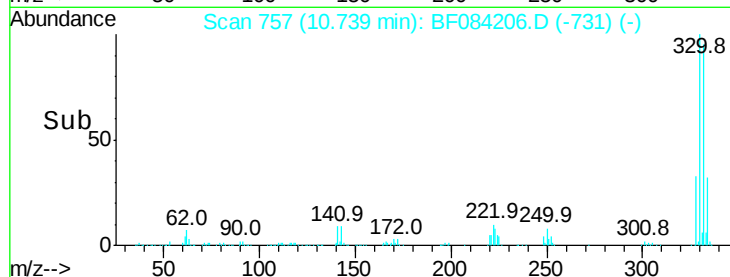
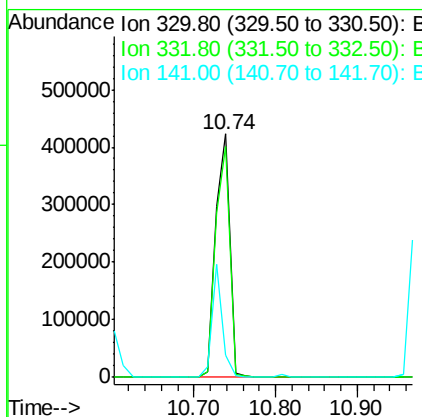
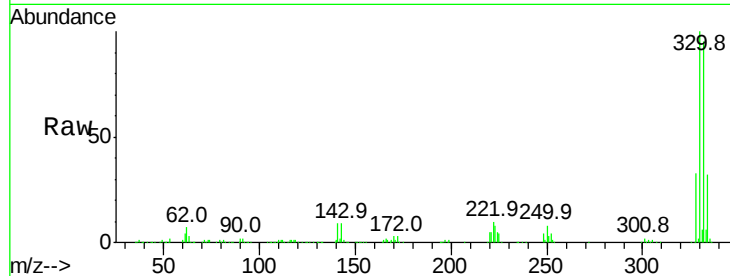
#41
 2,4,6-Tribromophenol
 Concen: 81.35 ng
 RT: 10.74 min Scan# 757
 Delta R.T. 0.00 min
 Lab File: BF084206.D
 Acq: 31 Dec 2015 20:31

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

Tot Ion	Ratio	Resp	Lower	Upper
330	100	512115		
332	95.4	76.6	114.8	
141	34.5	27.8	41.6	

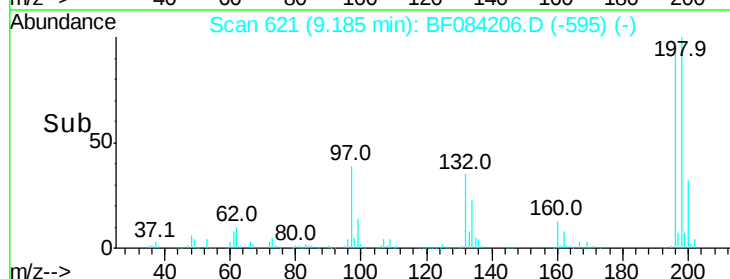
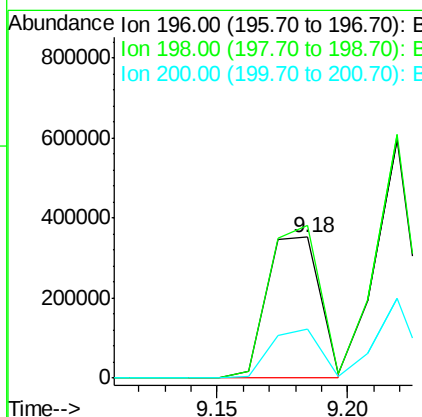
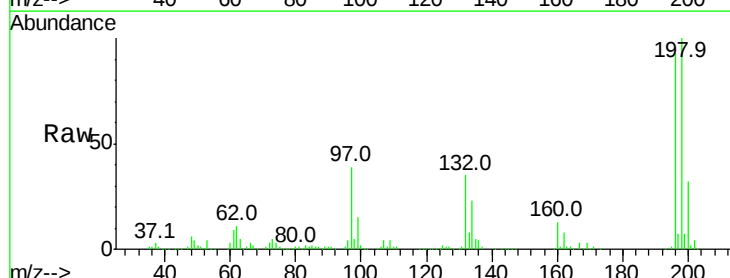
Manual Integrations
 APPROVED

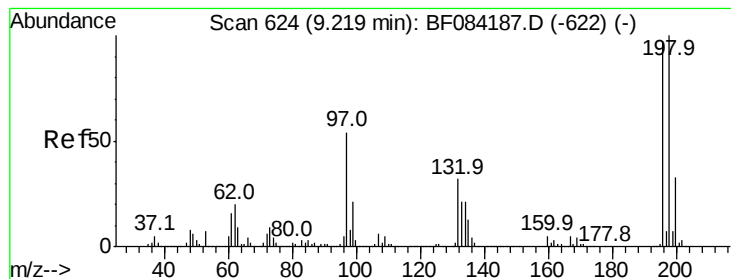
UMANGI
 1/4/2016 4:28:58 PM



#42
 2,4,6-Trichlorophenol
 Concen: 37.06 ng
 RT: 9.18 min Scan# 621
 Delta R.T. 0.00 min
 Lab File: BF084206.D
 Acq: 31 Dec 2015 20:31

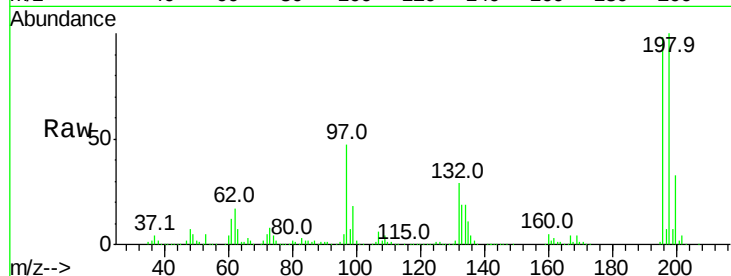
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	496986		
198	107.9	77.7	116.5	
200	34.8	24.6	37.0	





#43
 2,4,5-Trichlorophenol
 Concen: 43.43 ng
 RT: 9.22 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF084206.D
 Acq: 31 Dec 2015 20:31

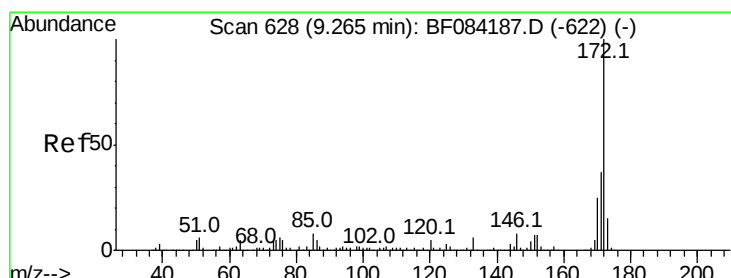
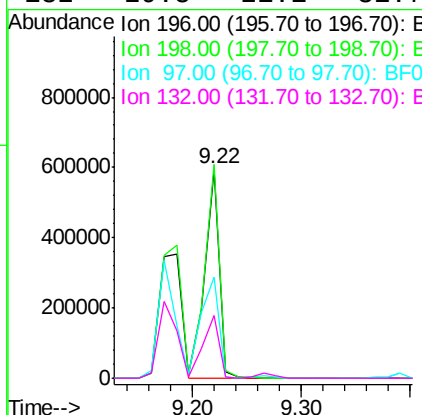
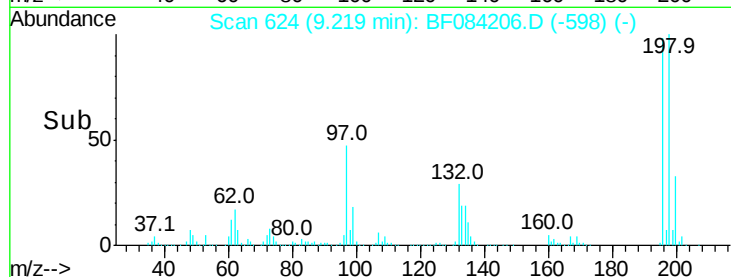
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC



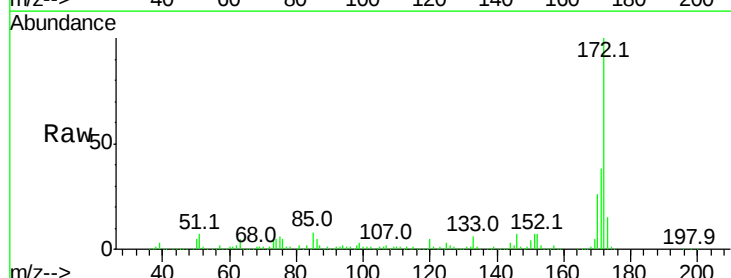
Tot Ion	Ratio	Resp	Lower	Upper
196	100	558407		
198	102.1	79.0	118.6	
97	48.1	33.0	49.6	
132	29.8	21.1	31.7	

Manual Integrations
 APPROVED

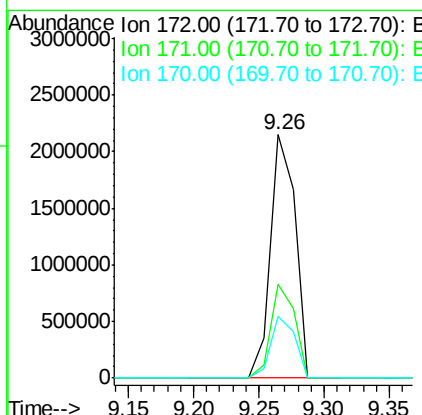
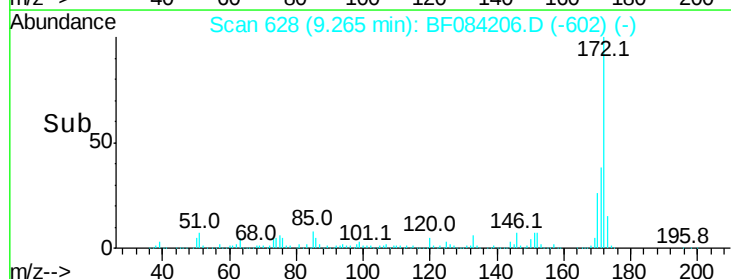
UMANGI
 1/4/2016 4:28:58 PM

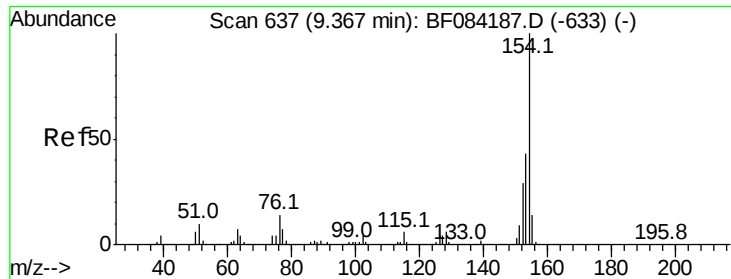


#44
 2-Fluorobiphenyl
 Concen: 80.57 ng
 RT: 9.26 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF084206.D
 Acq: 31 Dec 2015 20:31



Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2867496		
171	38.4	28.9	43.3	
170	25.5	18.6	27.8	





#45

1,1'-Biphenyl

Concen: 37.60 ng

RT: 9.37 min Scan# 637

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tot Ion:154 Resp: 1863513

Ion Ratio Lower Upper

154 100

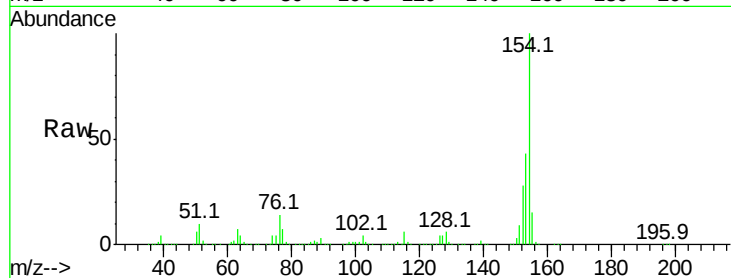
153 42.8 21.6 61.6

76 14.0 0.0 32.7

Manual Integrations
APPROVED

UMANGI

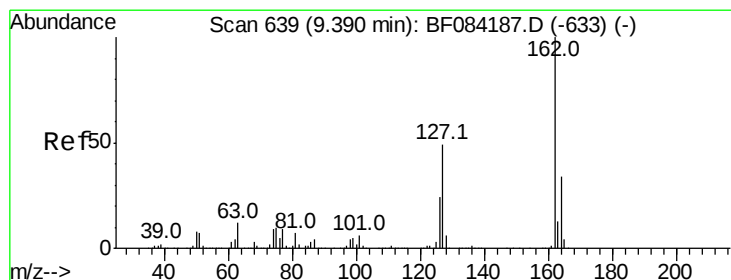
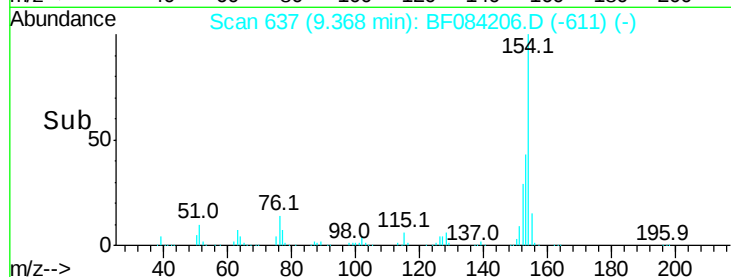
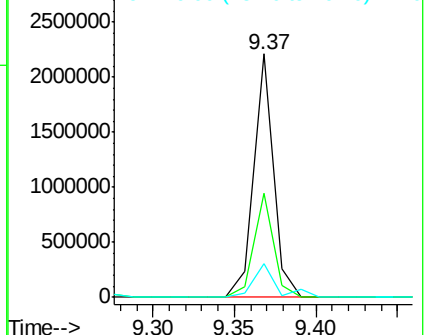
1/4/2016 4:28:58 PM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 36.78 ng

RT: 9.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

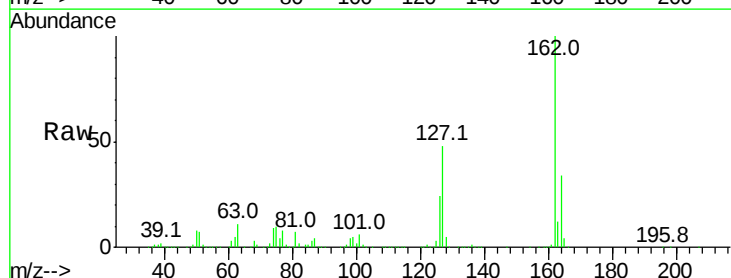
Tgt Ion:162 Resp: 1431881

Ion Ratio Lower Upper

162 100

127 48.1 40.2 60.4

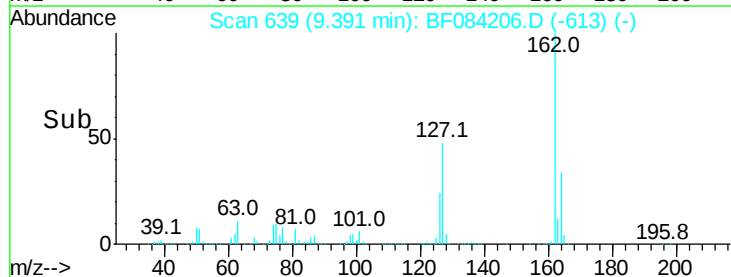
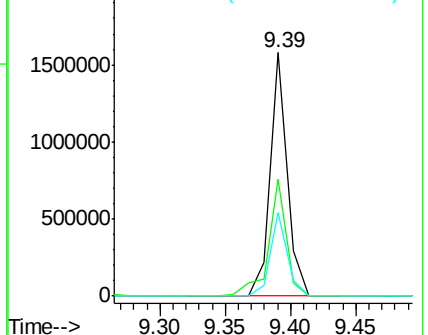
164 34.3 25.7 38.5

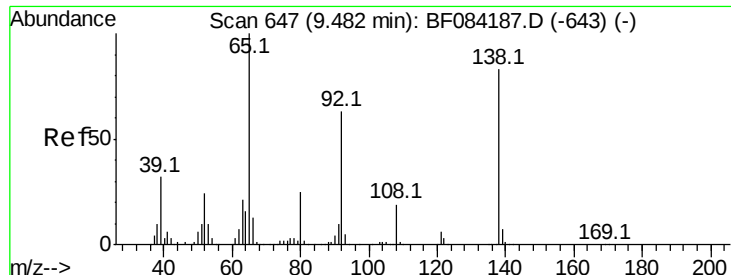


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 37.61 ng

RT: 9.48 min Scan# 647

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Instrument :

BNA_F

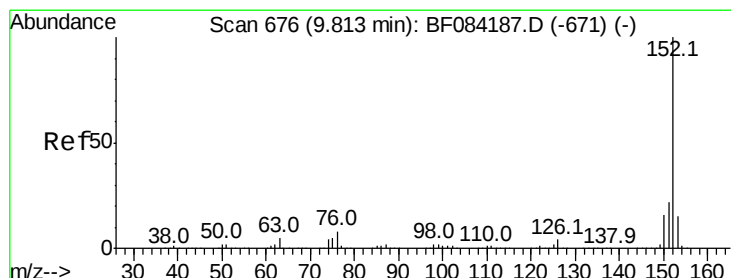
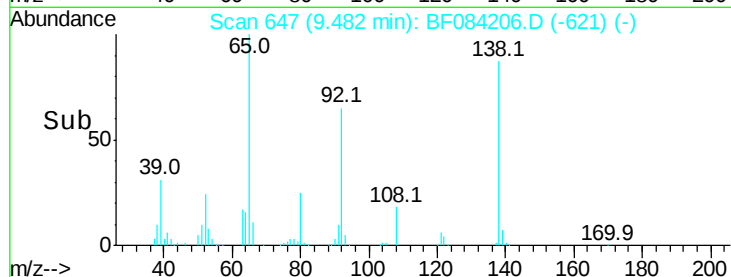
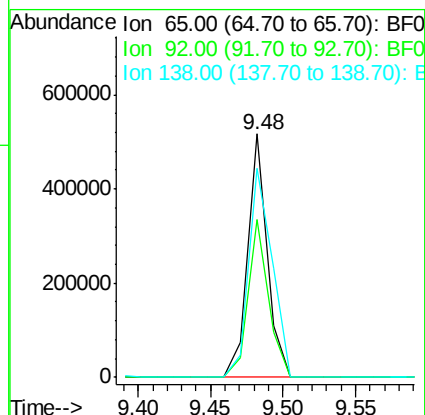
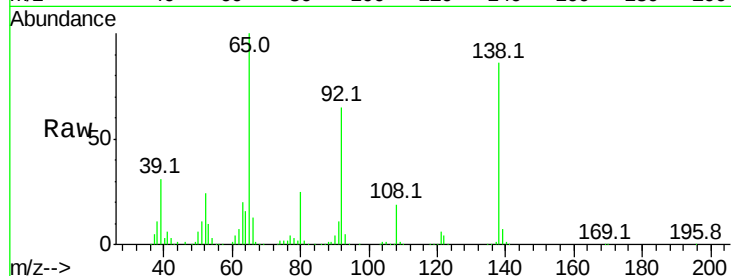
ClientSampleId :

SSTDCCC040EC

Tot Ion:	65	Resp:	483219
Ion Ratio	Lower	Upper	
65	100		
92	64.7	53.4	80.2
138	86.1	71.1	106.7

Manual Integrations
APPROVED

UMANGI
1/4/2016 4:28:58 PM



#48

Acenaphthylene

Concen: 41.51 ng

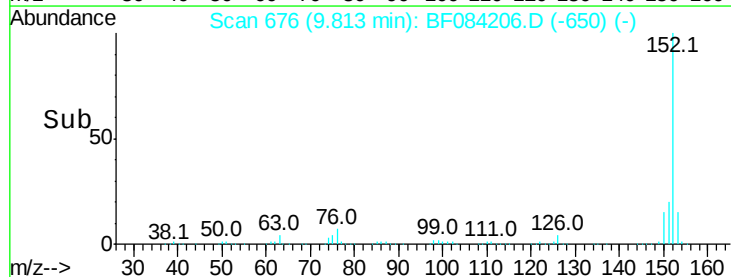
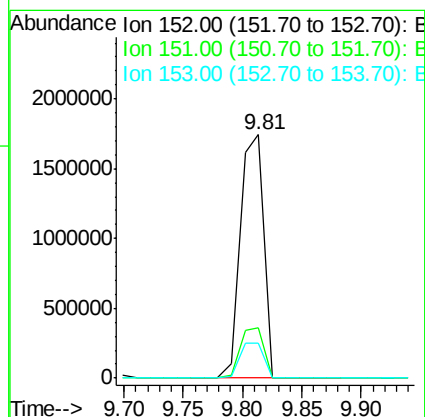
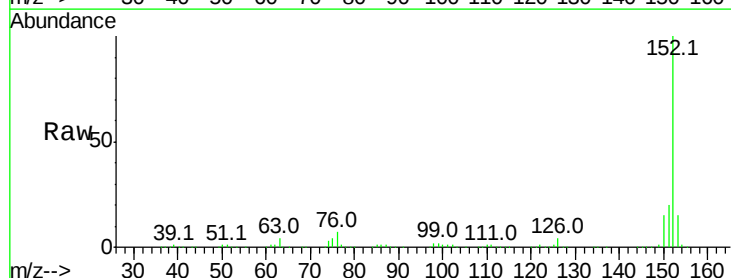
RT: 9.81 min Scan# 676

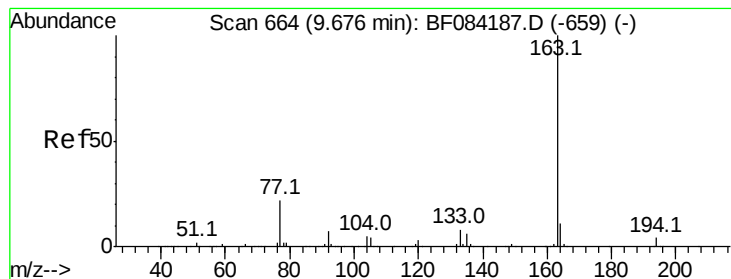
Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Tgt Ion:	152	Resp:	2386969
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.3	24.5
153	14.6	10.4	15.6





#49

Dimethylphthalate

Concen: 42.72 ng

RT: 9.68 min Scan# 664

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Instrument :

BNA_F

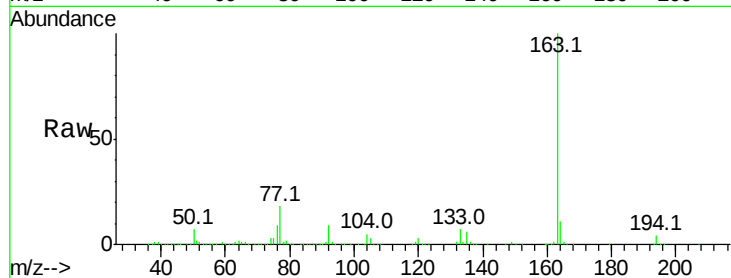
ClientSampleId :

SSTDCCC040EC

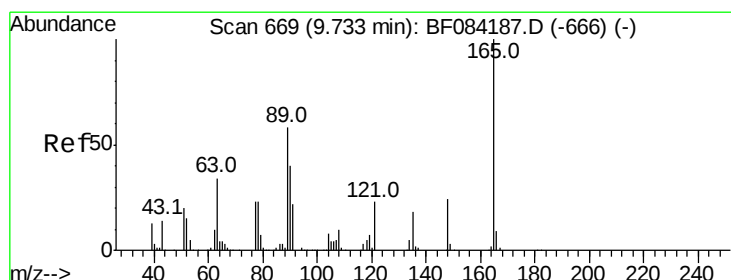
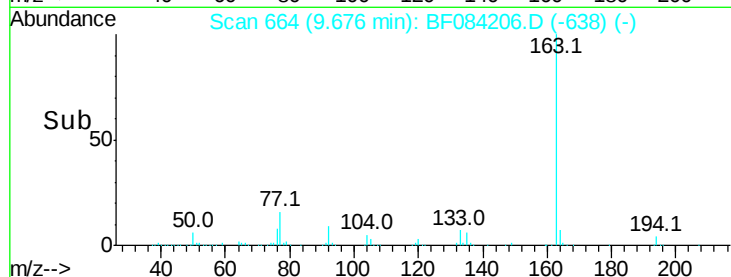
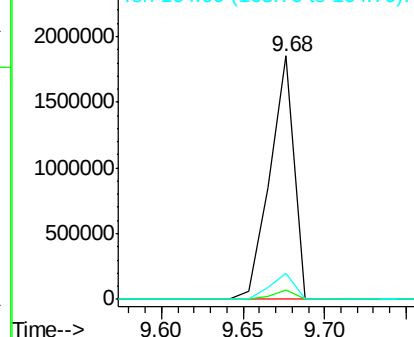
Tot Ion:	163	Resp:	1904157
Ion	Ratio	Lower	Upper
163	100		
194	3.8	8.0	12.0#
164	10.7	8.0	12.0

Manual Integrations
APPROVED

UMANGI
1/4/2016 4:28:58 PM



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 45.16 ng

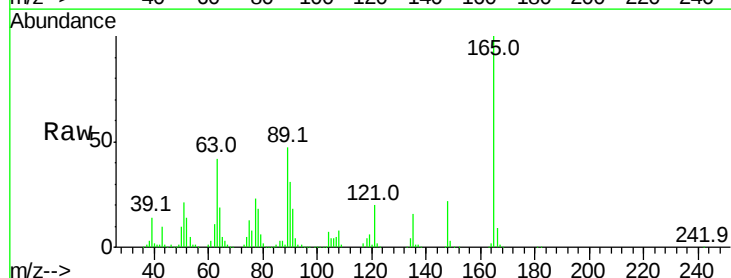
RT: 9.73 min Scan# 669

Delta R.T. 0.00 min

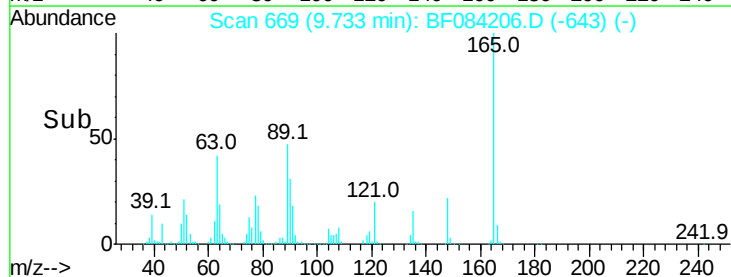
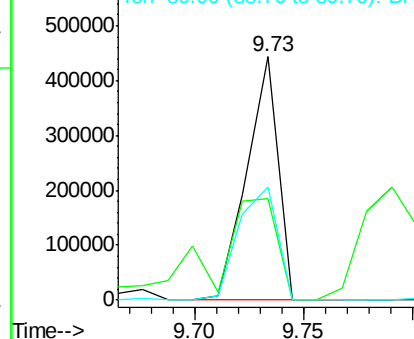
Lab File: BF084206.D

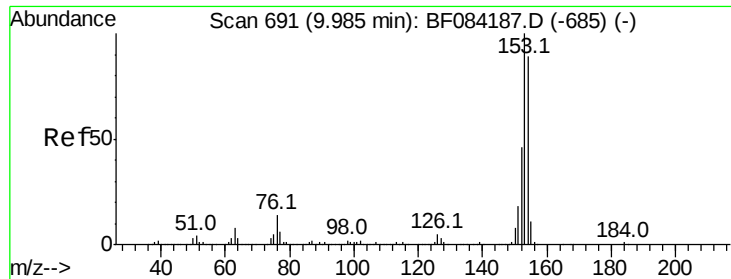
Acq: 31 Dec 2015 20:31

Tgt Ion:	165	Resp:	441559
Ion	Ratio	Lower	Upper
165	100		
63	41.8	28.8	43.2
89	46.5	35.1	52.7



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 43.13 ng

RT: 9.98 min Scan# 691

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tot Ion:154 Resp: 1663979

Ion Ratio Lower Upper

154 100

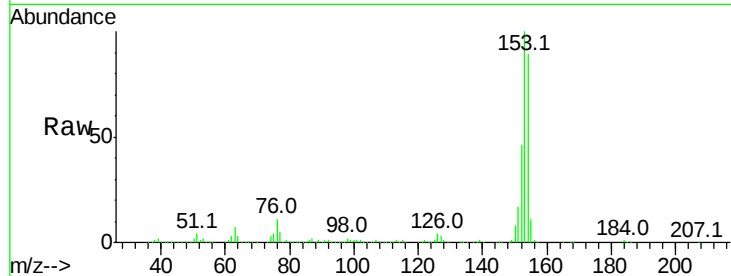
153 112.1 91.5 137.3

152 52.0 43.0 64.6

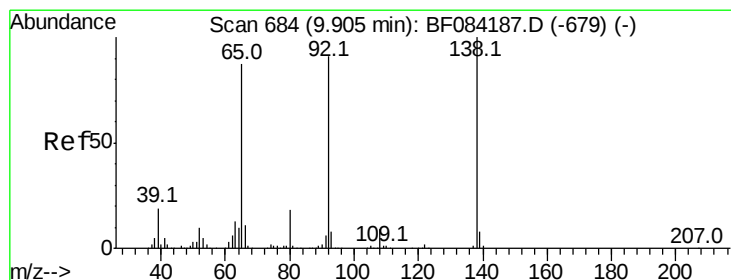
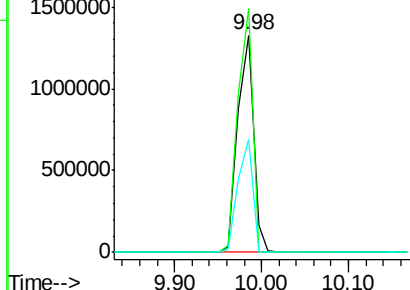
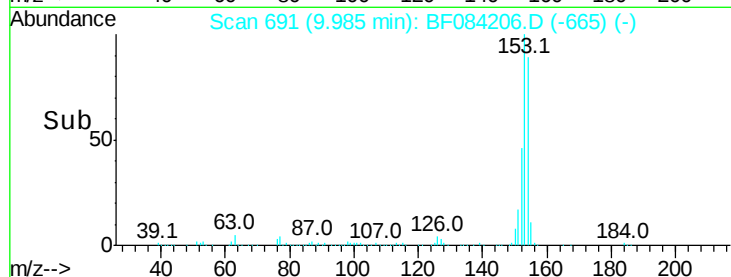
Manual Integrations
APPROVED

UMANGI

1/4/2016 4:28:58 PM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 35.83 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

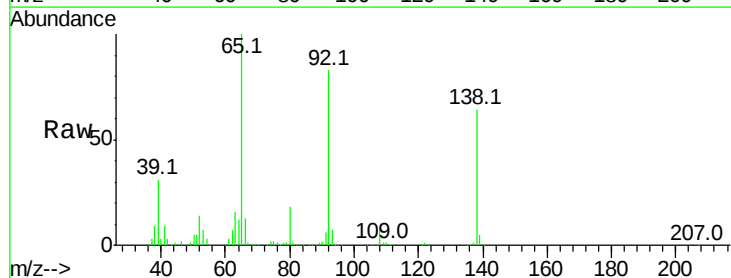
Tgt Ion:138 Resp: 434091

Ion Ratio Lower Upper

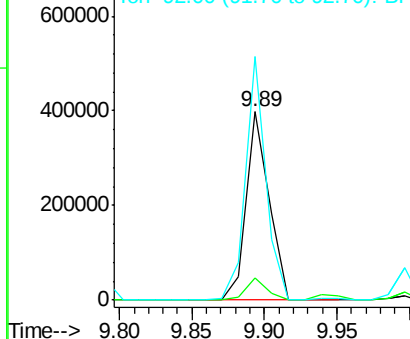
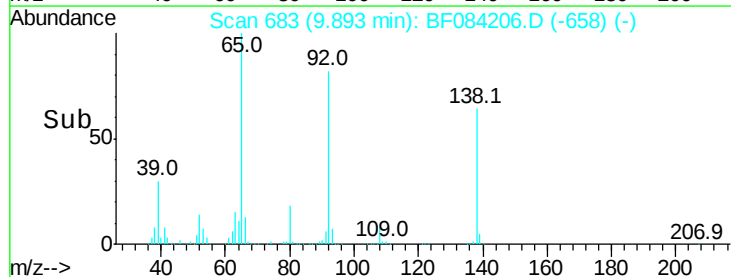
138 100

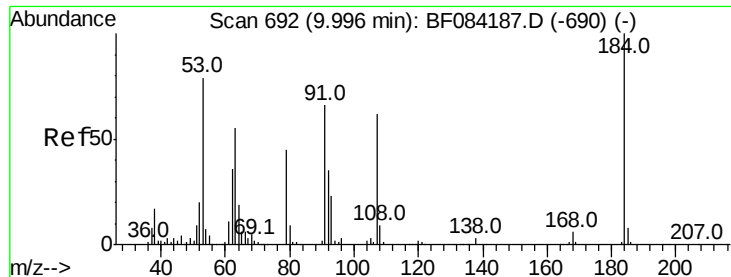
108 12.0 10.5 15.7

92 129.4 103.9 155.9



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





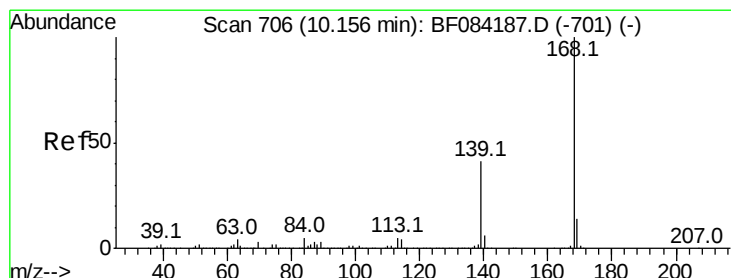
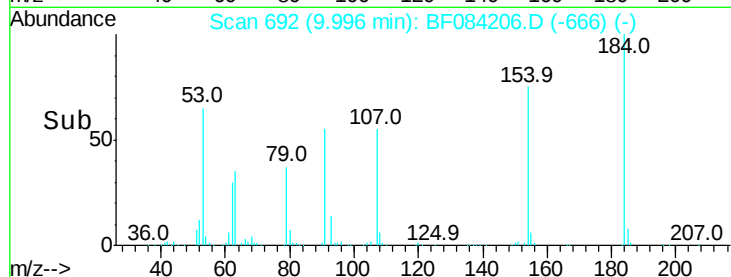
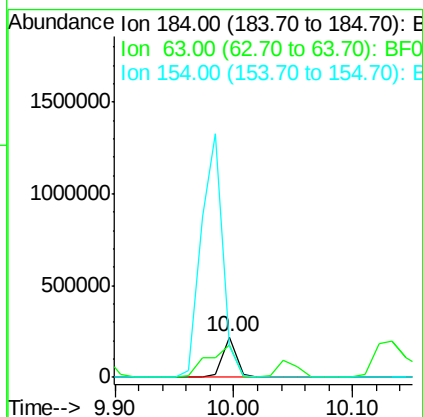
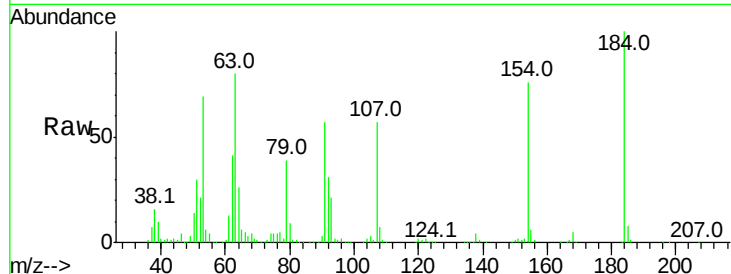
#53
2,4-Dinitrophenol
Concen: 43.47 ng
RT: 10.00 min Scan# 692
Delta R.T. 0.00 min
Lab File: BF084206.D
Acq: 31 Dec 2015 20:31

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tot Ion	Ratio	Resp	Lower	Upper
184	100	173945		
63	79.8	43.1	64.7#	
154	75.5	60.5	90.7	

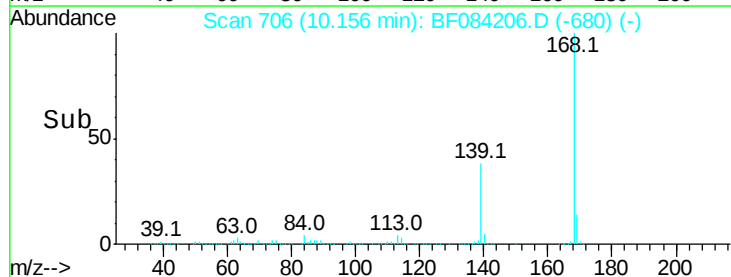
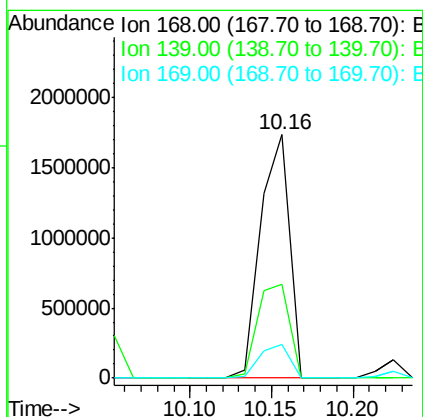
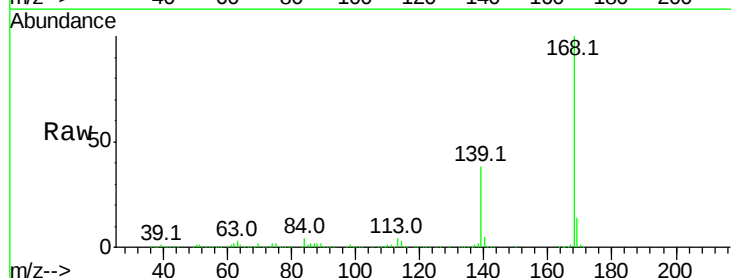
Manual Integrations
APPROVED

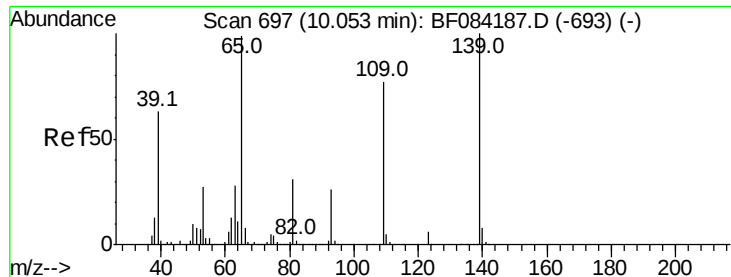
UMANGI
1/4/2016 4:28:58 PM



#54
Dibenzofuran
Concen: 42.62 ng
RT: 10.16 min Scan# 706
Delta R.T. 0.00 min
Lab File: BF084206.D
Acq: 31 Dec 2015 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	2137164		
139	38.4	30.5	45.7	
169	13.7	10.4	15.6	





#55

4-Nitrophenol

Concen: 43.46 ng

RT: 10.05 min Scan# 697

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Instrument :

BNA_F

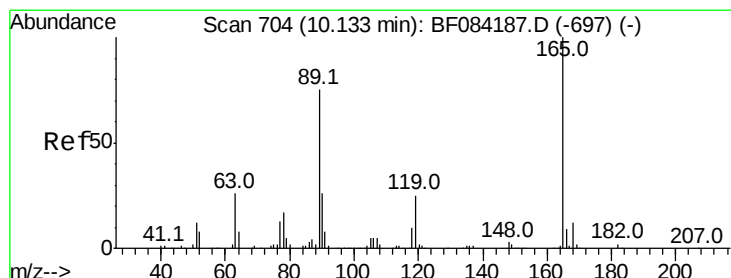
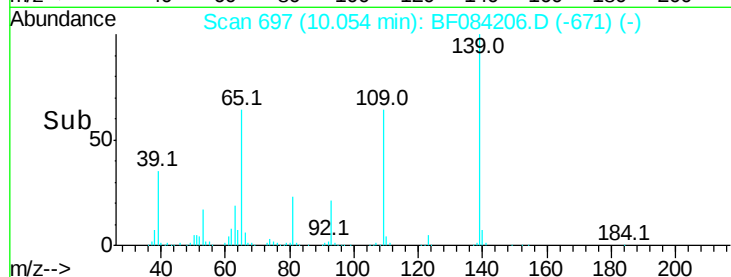
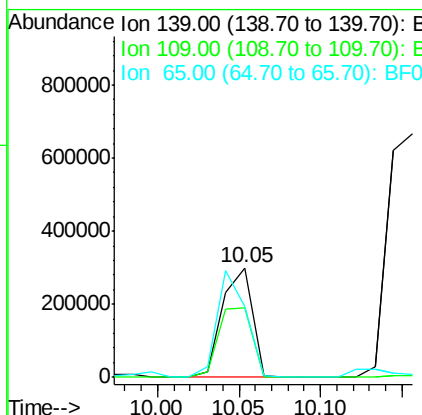
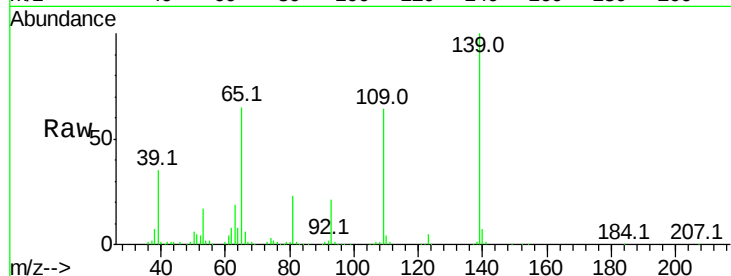
ClientSampleId :

SSTDCCC040EC

Tot Ion:	139	Resp:	382218
Ion Ratio	Lower	Upper	
139	100		
109	63.8	58.5	98.5
65	64.5	57.6	97.6

Manual Integrations
APPROVED

UMANGI
1/4/2016 4:28:58 PM



#56

2,4-Dinitrotoluene

Concen: 47.52 ng

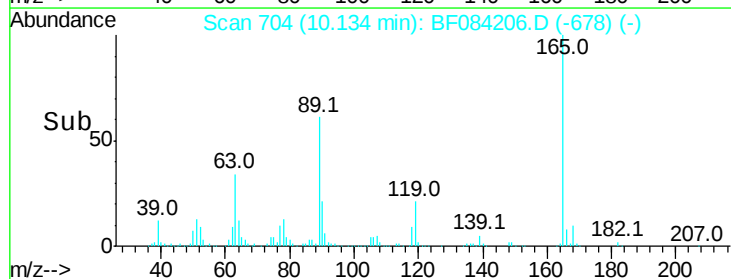
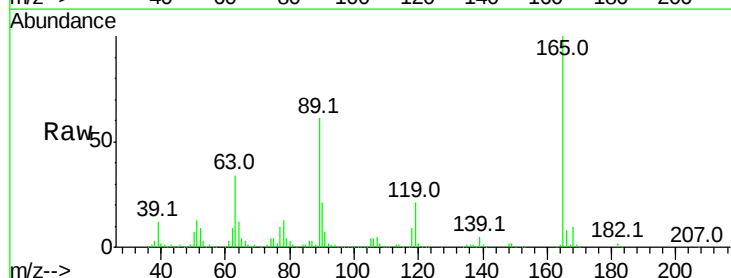
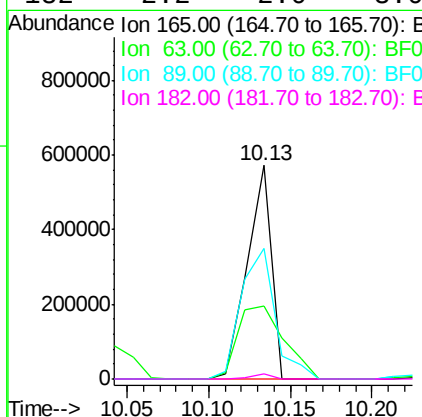
RT: 10.13 min Scan# 704

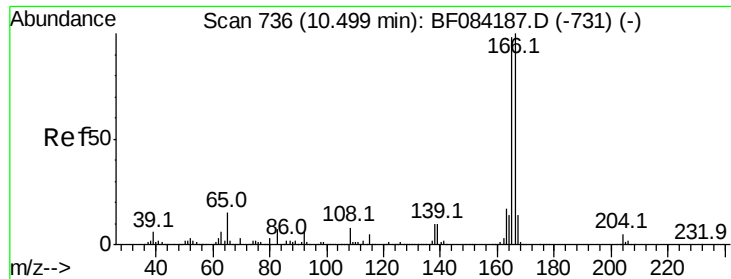
Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Tgt Ion:	165	Resp:	588037
Ion Ratio	Lower	Upper	
165	100		
63	34.0	36.7	55.1#
89	61.0	61.9	92.9#
182	2.2	2.0	3.0





#57

Fluorene

Concen: 38.93 ng

RT: 10.50 min Scan# 736

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Instrument :

BNA_F

ClientSampleId :

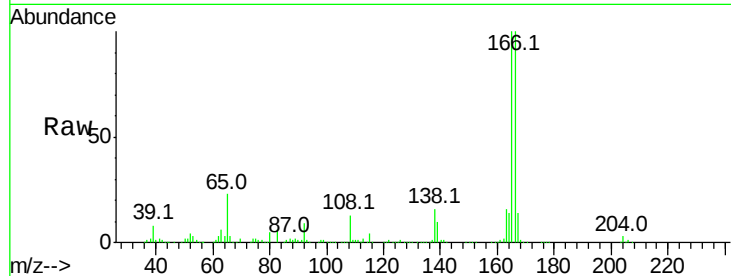
SSTDCCC040EC

Manual Integrations
APPROVED

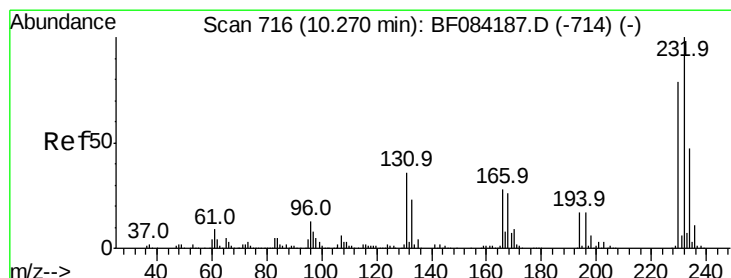
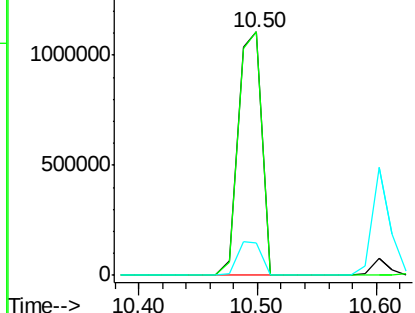
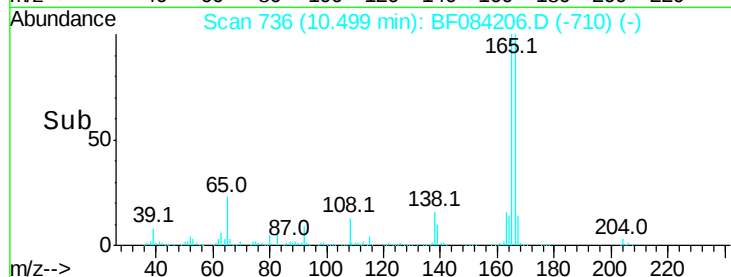
UMANGI

1/4/2016 4:28:58 PM

Tot Ion:	166	Resp:	1516366
Ion	Ratio	Lower	Upper
166	100		
165	100.1	79.1	118.7
167	13.5	10.4	15.6



Abundance Ion 166.00 (165.70 to 166.70): E
1500000
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: 40.96 ng

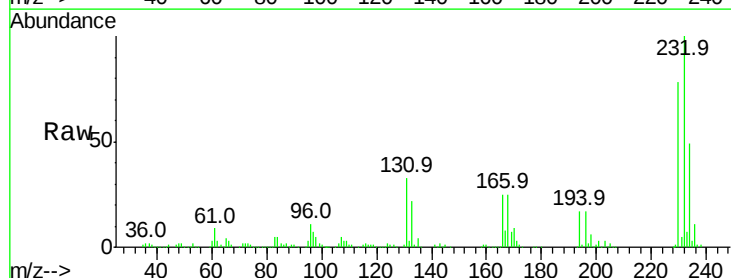
RT: 10.27 min Scan# 716

Delta R.T. 0.00 min

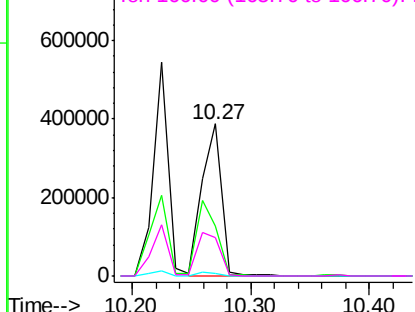
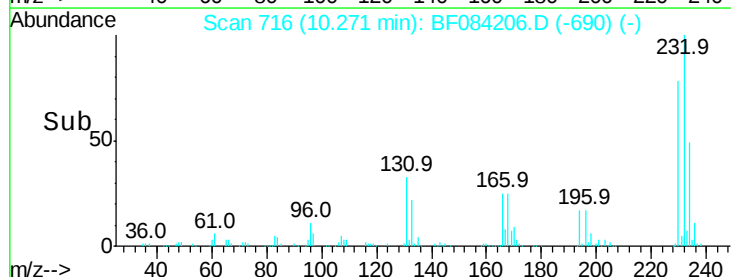
Lab File: BF084206.D

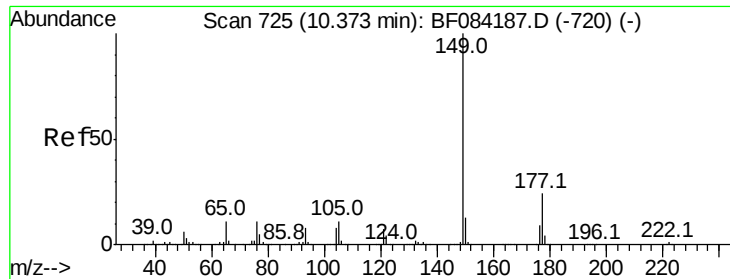
Acq: 31 Dec 2015 20:31

Tgt Ion:	232	Resp:	449598
Ion	Ratio	Lower	Upper
232	100		
131	51.1	47.0	70.6
130	2.3	2.0	3.0
166	32.9	30.5	45.7



Abundance Ion 232.00 (231.70 to 232.70): E
800000
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E





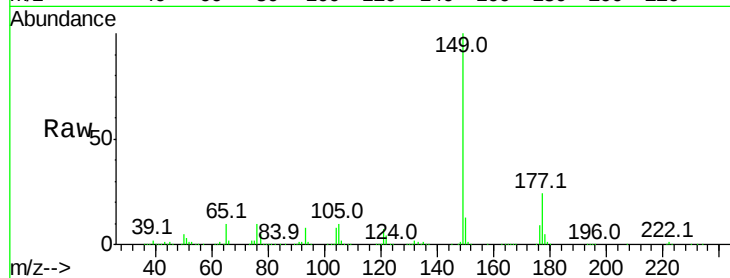
#59
Diethylphthalate
Concen: 41.56 ng
RT: 10.37 min Scan# 725
Delta R.T. 0.00 min
Lab File: BF084206.D
Acq: 31 Dec 2015 20:31

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

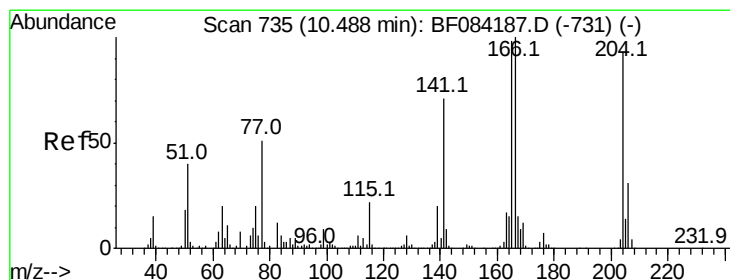
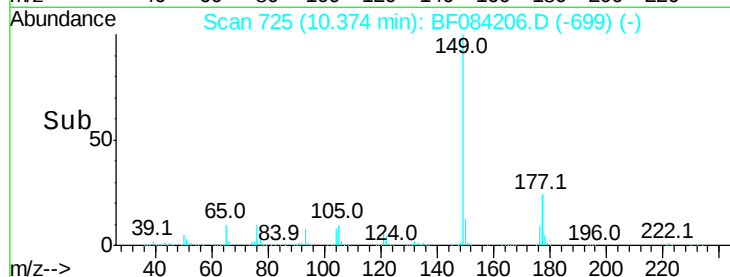
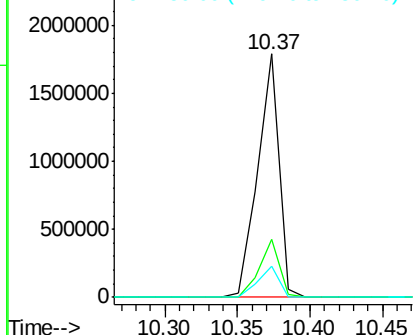
Tot Ion	Ratio	Lower	Upper
149	100		
177	23.6	17.3	25.9
150	13.0	9.8	14.8

Manual Integrations
APPROVED

UMANGI
1/4/2016 4:28:58 PM

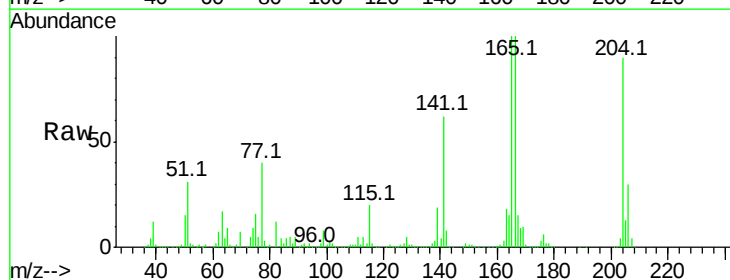


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

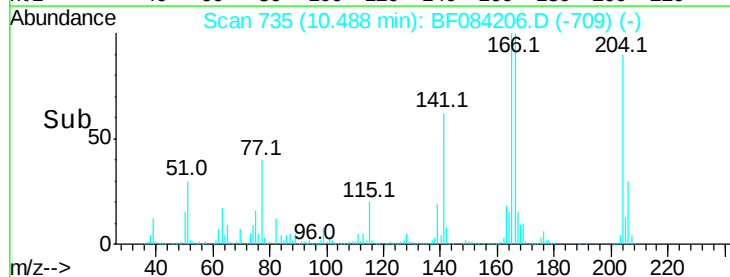
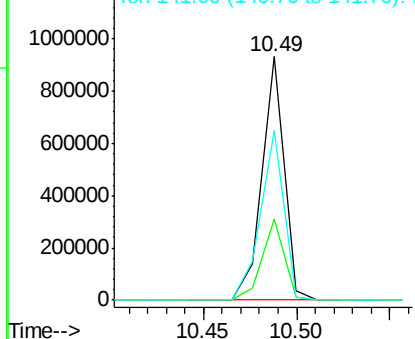


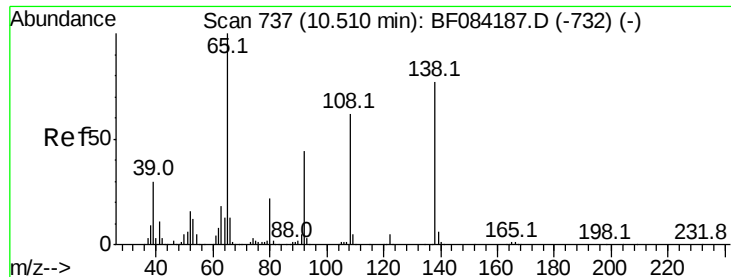
#60
4-Chlorophenyl-phenylether
Concen: 46.84 ng
RT: 10.49 min Scan# 735
Delta R.T. 0.00 min
Lab File: BF084206.D
Acq: 31 Dec 2015 20:31

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.2	25.7	38.5
141	69.5	55.1	82.7



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





#61

4-Nitroaniline

Concen: 40.62 ng

RT: 10.51 min Scan# 737

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Instrument :

BNA_F

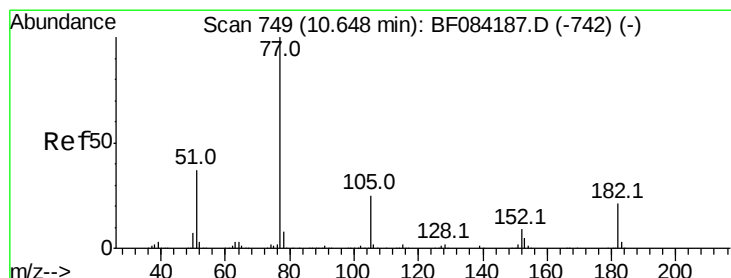
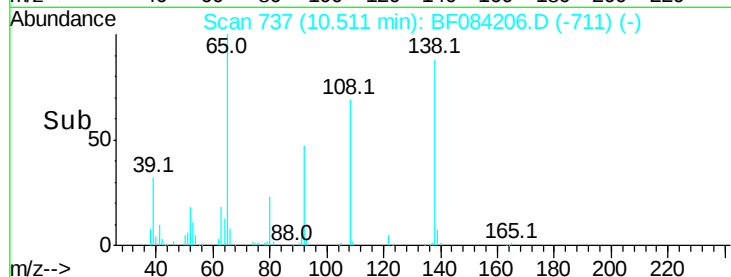
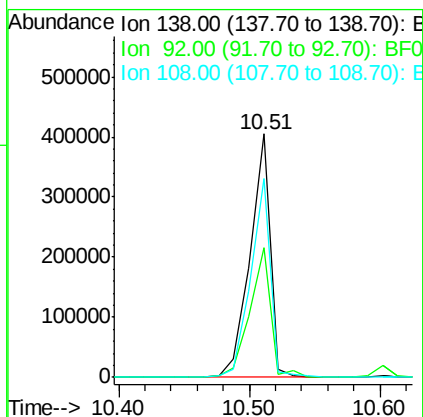
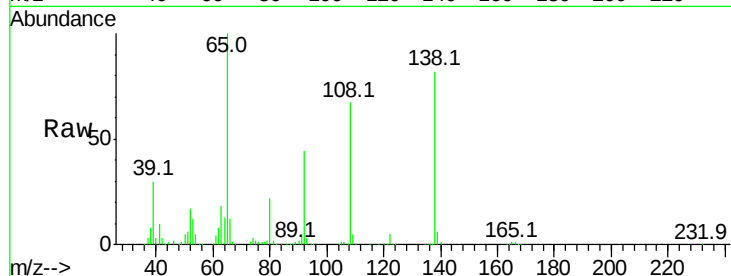
ClientSampleID :

SSTDCCC040EC

Tot Ion:	138	Resp:	438641
Ion Ratio	Lower	Upper	
138	100		
92	53.5	32.6	72.6
108	81.7	68.6	108.6

Manual Integrations
APPROVED

UMANGI
1/4/2016 4:28:58 PM



#62

Azobenzene

Concen: 42.14 ng

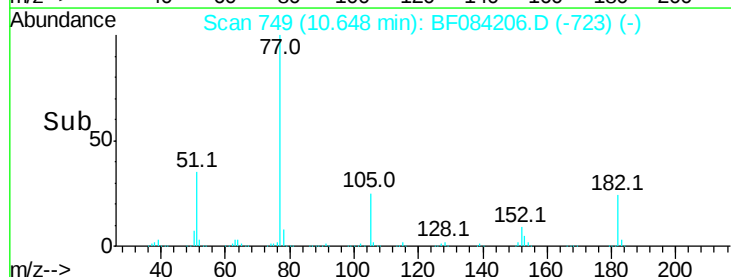
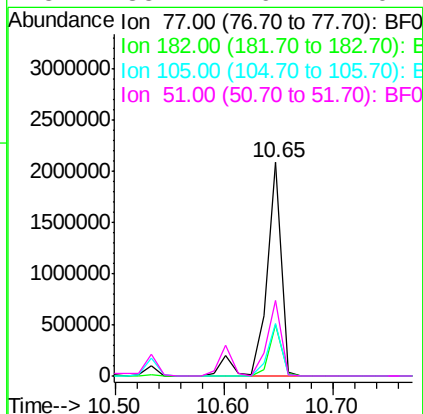
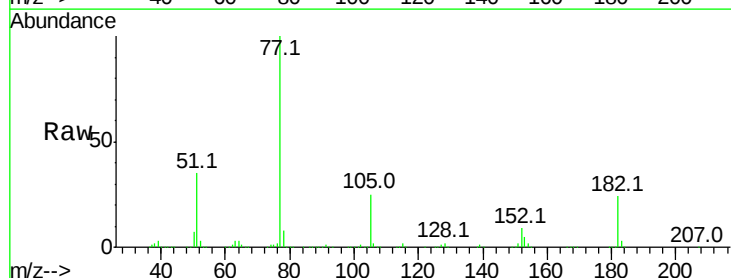
RT: 10.65 min Scan# 749

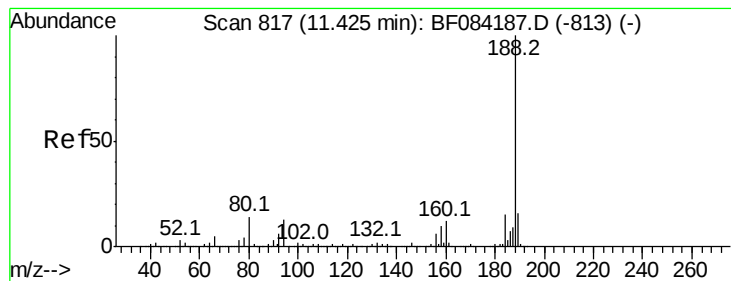
Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Tgt Ion:	77	Resp:	2031459
Ion Ratio	Lower	Upper	
77	100		
182	24.2	8.3	48.3
105	24.9	4.6	44.6
51	35.4	6.2	46.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.43 min Scan# 817

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tot Ion:188 Resp: 1101855

Ion Ratio Lower Upper

188 100

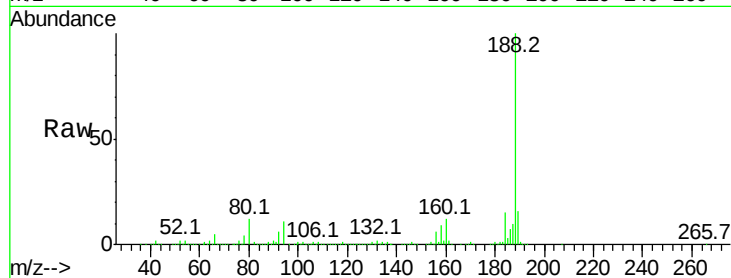
94 11.2 9.0 13.4

80 11.6 9.6 14.4

Manual Integrations
APPROVED

UMANGI

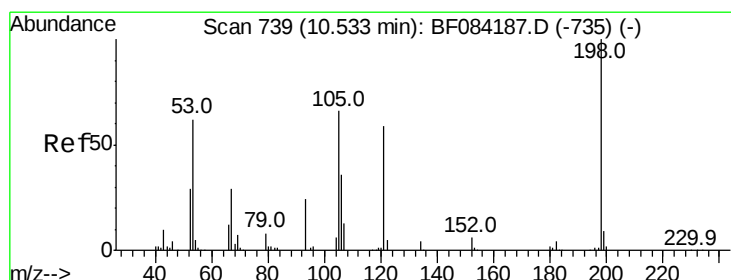
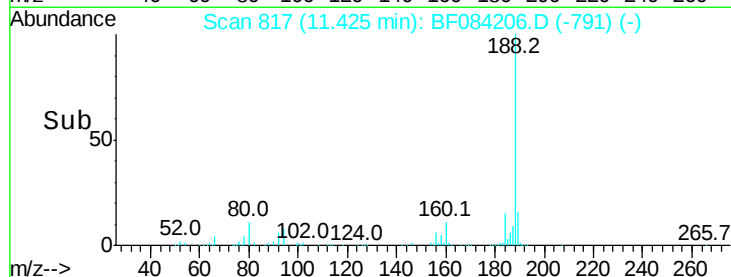
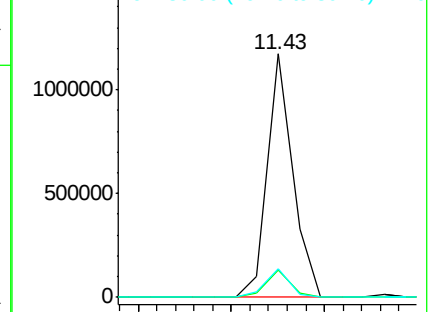
1/4/2016 4:28:58 PM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 34.55 ng

RT: 10.53 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

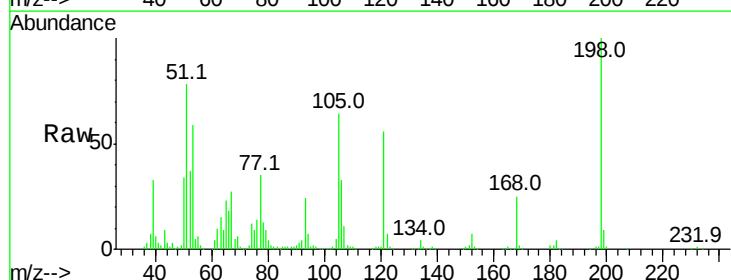
Tgt Ion:198 Resp: 231575

Ion Ratio Lower Upper

198 100

51 78.4 18.9 58.9#

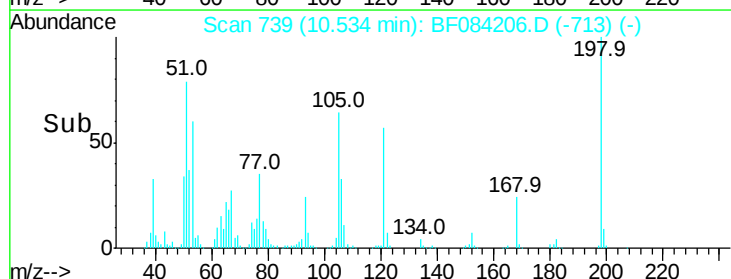
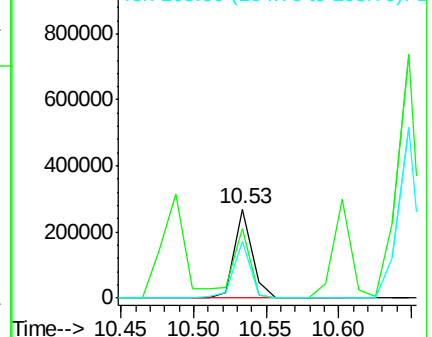
105 63.9 26.4 66.4

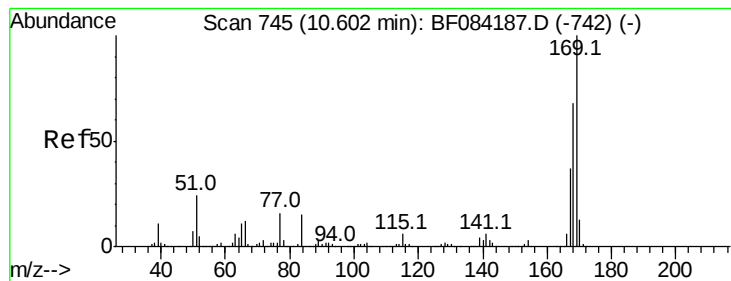


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 37.17 ng

RT: 10.60 min Scan# 745

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tot Ion:169 Resp: 1309425

Ion Ratio Lower Upper

169 100

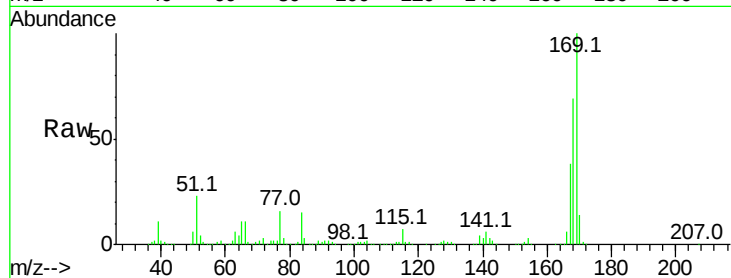
168 69.1 55.1 82.7

167 38.4 30.0 45.0

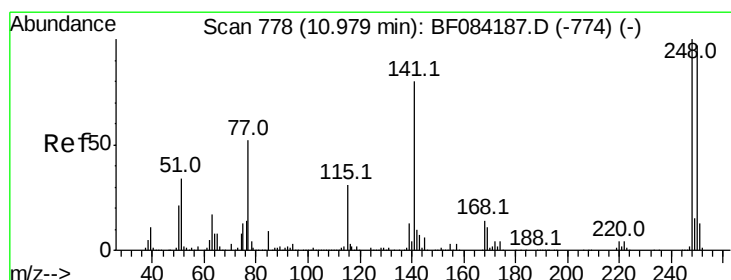
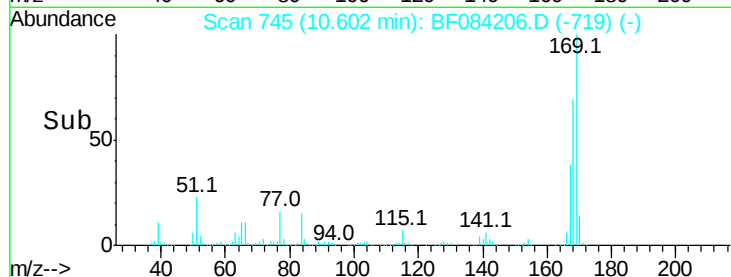
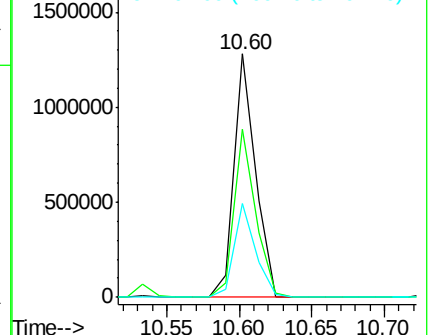
Manual Integrations
APPROVED

UMANGI

1/4/2016 4:28:58 PM



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



#66

4-Bromophenyl-phenylether

Concen: 43.69 ng

RT: 10.98 min Scan# 778

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

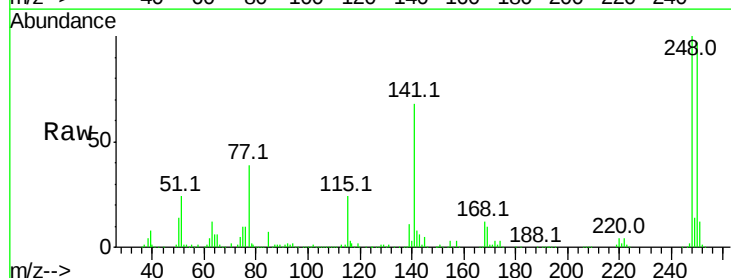
Tgt Ion:248 Resp: 518173

Ion Ratio Lower Upper

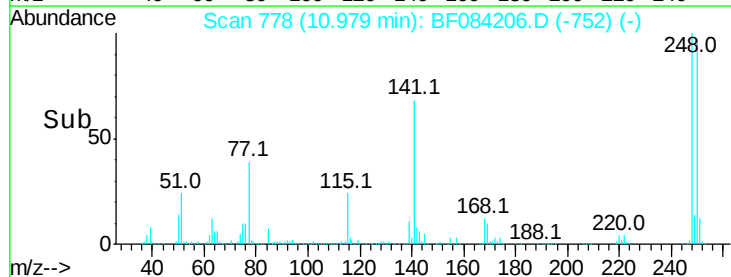
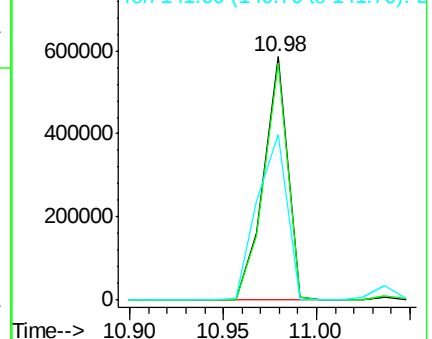
248 100

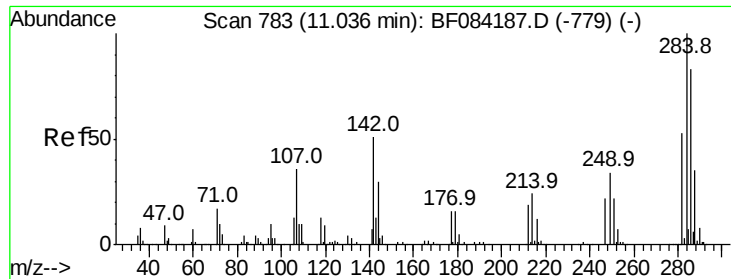
250 97.4 78.4 117.6

141 68.2 44.0 66.0#



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





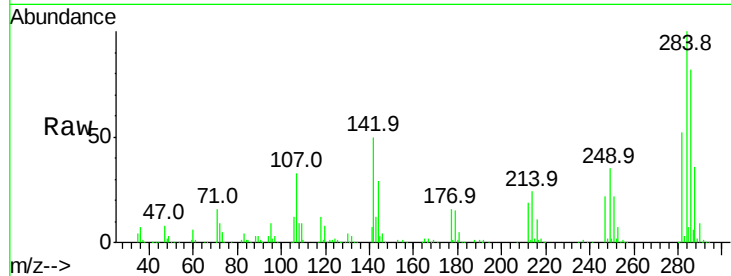
#67
Hexachlorobenzene
Concen: 37.60 ng
RT: 11.04 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF084206.D
Acq: 31 Dec 2015 20:31

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

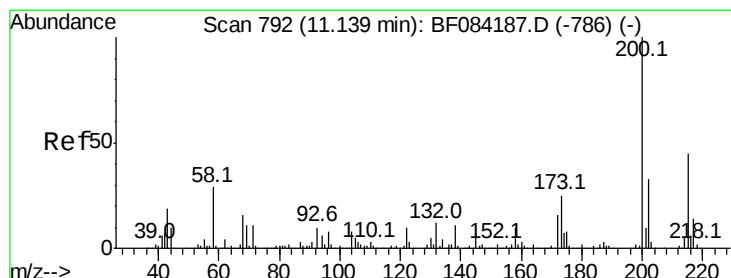
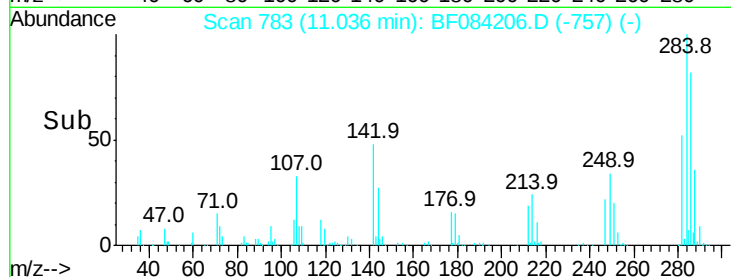
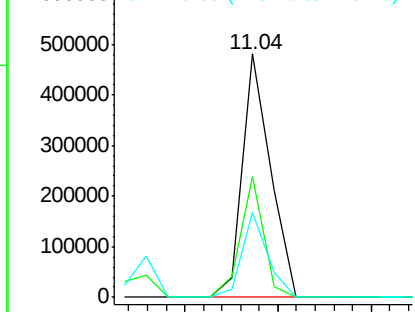
Tot Ion	Ratio	Resp	Lower	Upper
284	100	501923		
142	49.5	22.2	33.4#	
249	34.6	24.6	37.0	

Manual Integrations
APPROVED

UMANGI
1/4/2016 4:28:58 PM

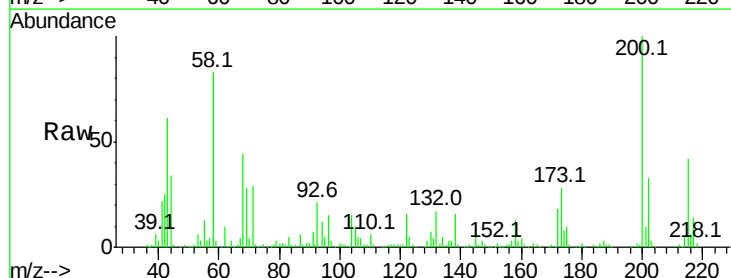


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

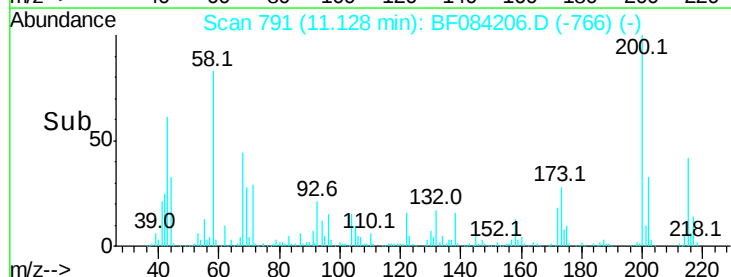
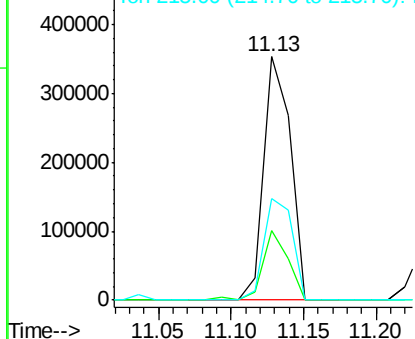


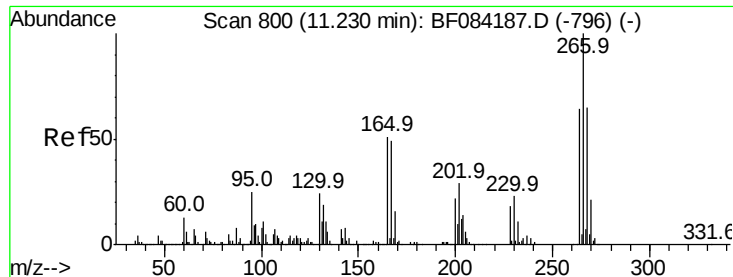
#68
Atrazine
Concen: 39.07 ng
RT: 11.13 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF084206.D
Acq: 31 Dec 2015 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	450450		
173	28.4	9.5	49.5	
215	41.7	23.8	63.8	



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





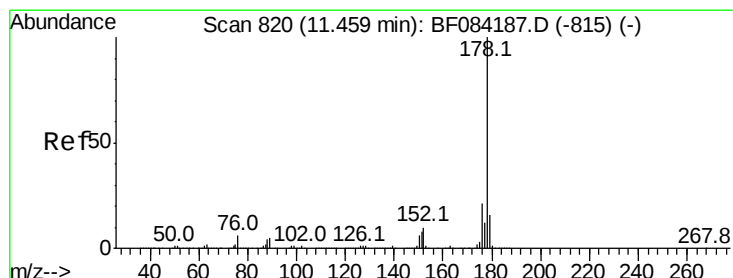
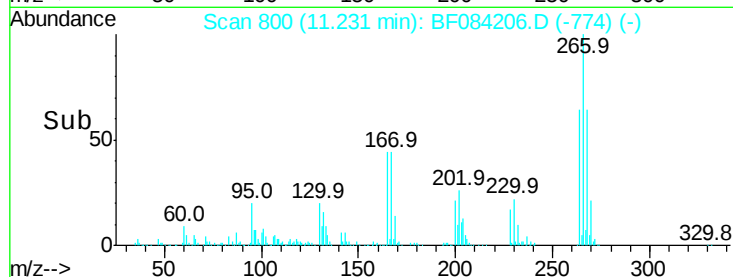
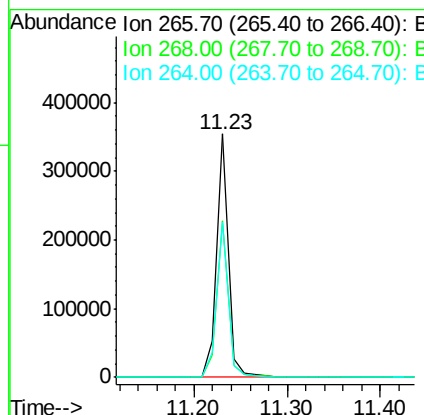
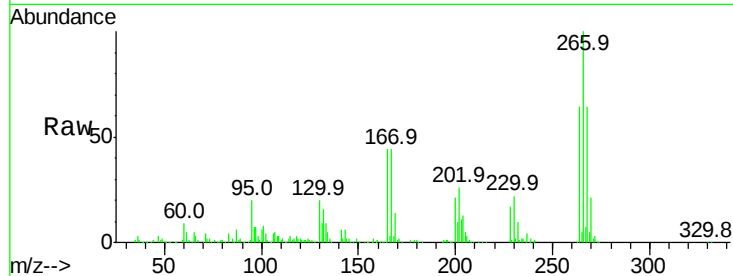
#69
 Pentachlorophenol
 Concen: 44.72 ng
 RT: 11.23 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF084206.D
 Acq: 31 Dec 2015 20:31

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

Tot Ion	Ratio	Resp	Lower	Upper
266	100	309488		
268	64.2	52.4	78.6	
264	63.6	50.2	75.2	

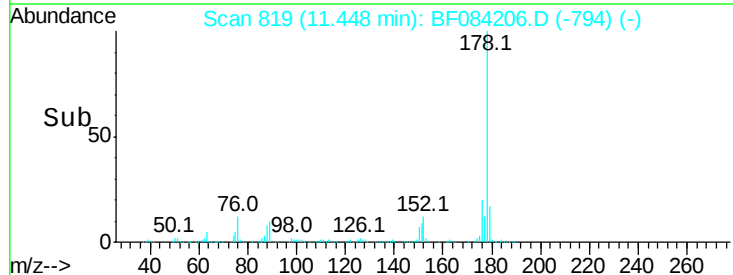
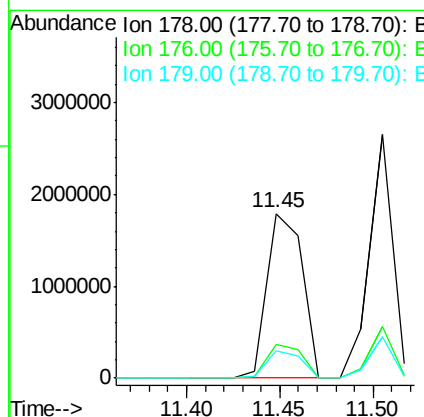
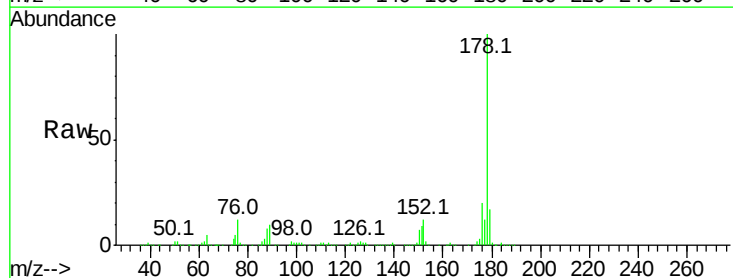
Manual Integrations
 APPROVED

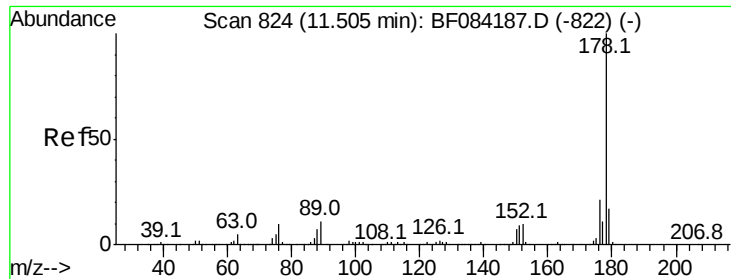
UMANGI
 1/4/2016 4:28:58 PM



#70
 Phenanthrene
 Concen: 40.94 ng
 RT: 11.45 min Scan# 819
 Delta R.T. -0.01 min
 Lab File: BF084206.D
 Acq: 31 Dec 2015 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2359360		
176	20.4	15.3	22.9	
179	16.6	12.0	18.0	





#71
 Anthracene
 Concen: 40.63 ng
 RT: 11.51 min Scan# 824
 Delta R.T. 0.00 min
 Lab File: BF084206.D
 Acq: 31 Dec 2015 20:31

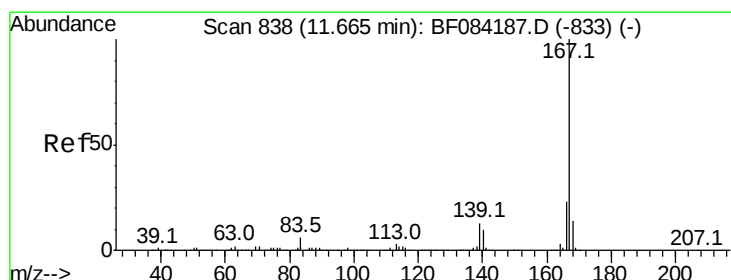
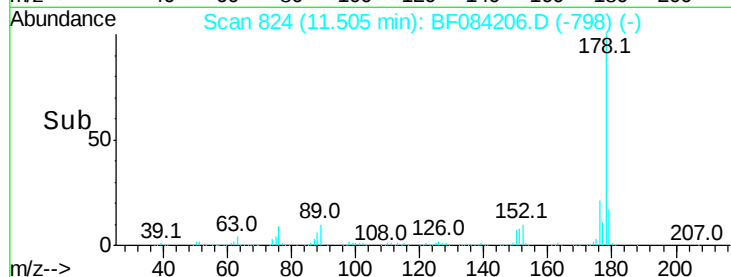
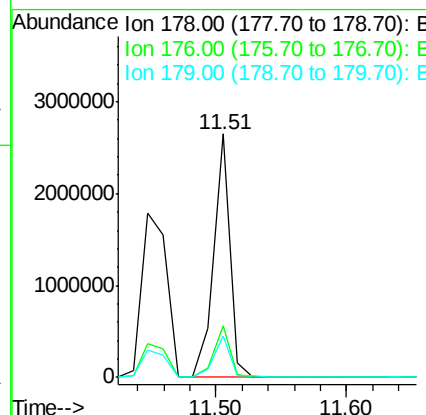
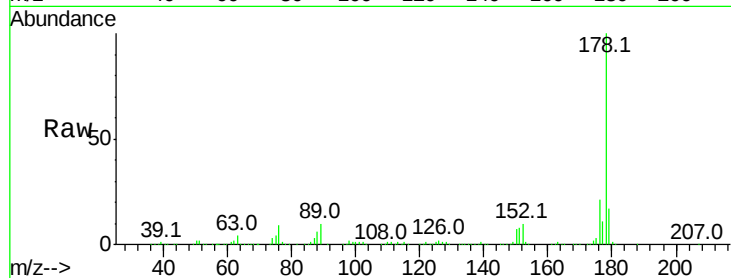
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

Tot Ion:178 Resp: 2295694

Ion	Ratio	Lower	Upper
178	100		
176	21.1	15.4	23.0
179	17.1	12.5	18.7

Manual Integrations
 APPROVED

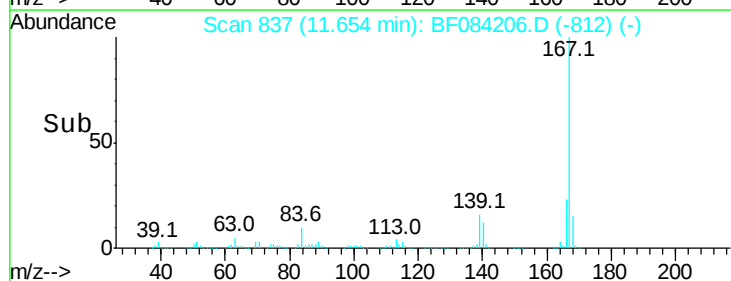
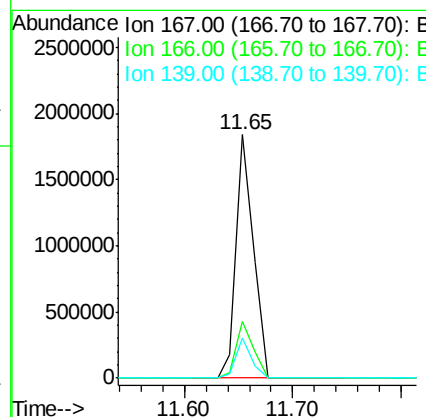
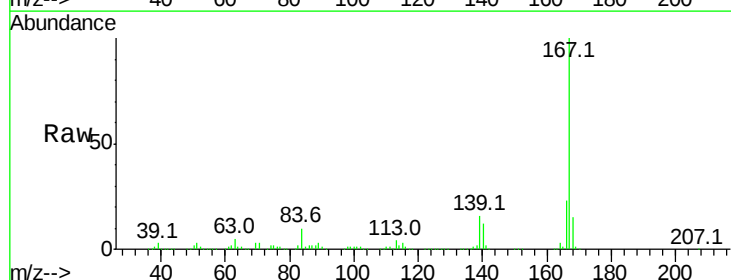
UMANGI
 1/4/2016 4:28:58 PM

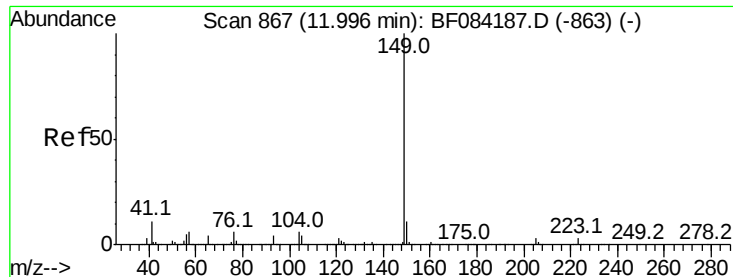


#72
 Carbazole
 Concen: 36.14 ng
 RT: 11.65 min Scan# 837
 Delta R.T. -0.01 min
 Lab File: BF084206.D
 Acq: 31 Dec 2015 20:31

Tgt Ion:167 Resp: 1995899

Ion	Ratio	Lower	Upper
167	100		
166	23.1	17.6	26.4
139	16.3	11.8	17.8





#73

Di-n-butylphthalate

Concen: 44.85 ng

RT: 12.00 min Scan# 867

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Instrument :

BNA_F

ClientSampleId :

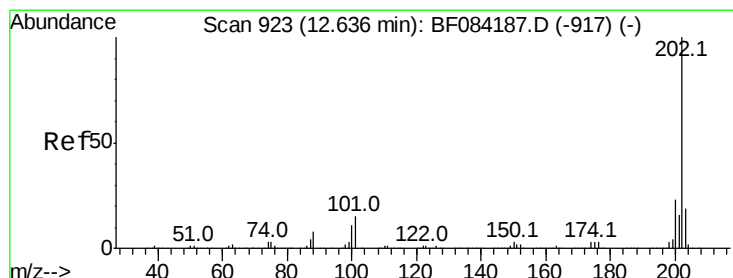
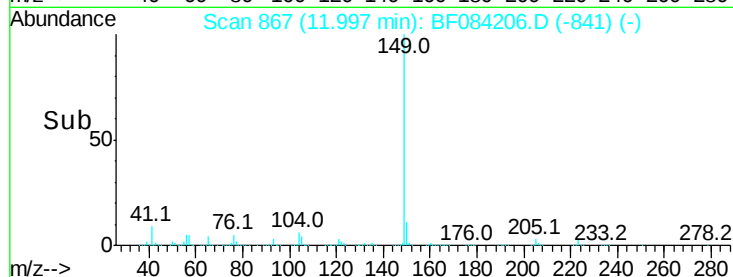
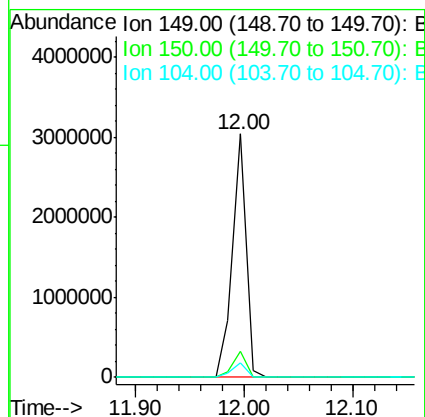
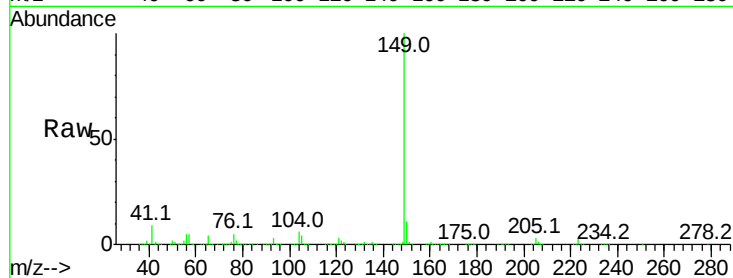
SSTDCCC040EC

Manual Integrations
APPROVED

UMANGI

1/4/2016 4:28:58 PM

Tot Ion	Ratio	Lower	Upper
149	100		
150	10.6	7.1	10.7
104	6.1	3.2	4.8



#74

Fluoranthene

Concen: 35.55 ng

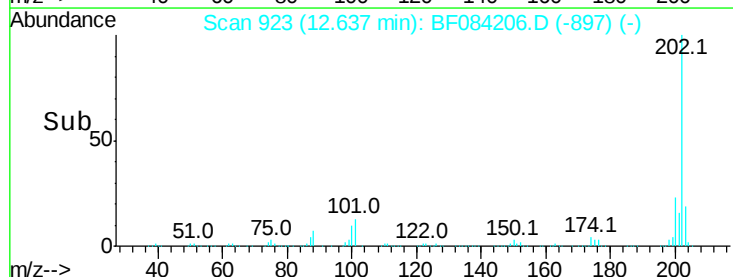
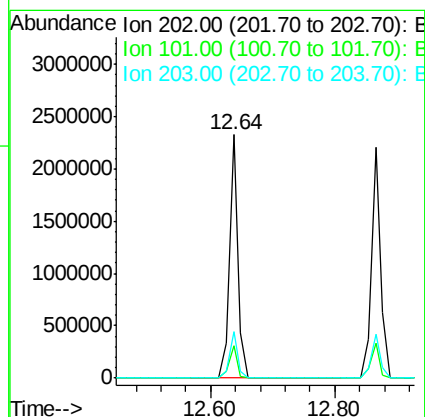
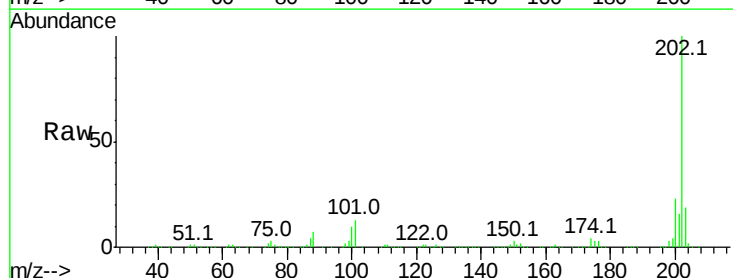
RT: 12.64 min Scan# 923

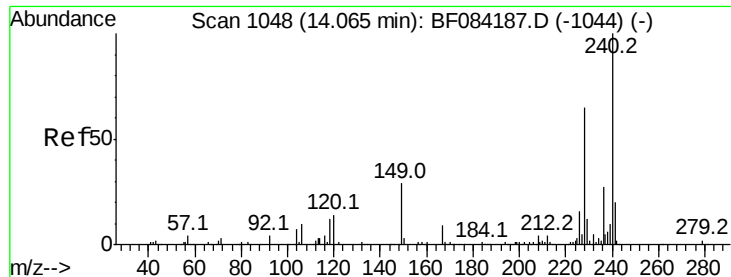
Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	32.8
203	19.4	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.07 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Instrument :

BNA_F

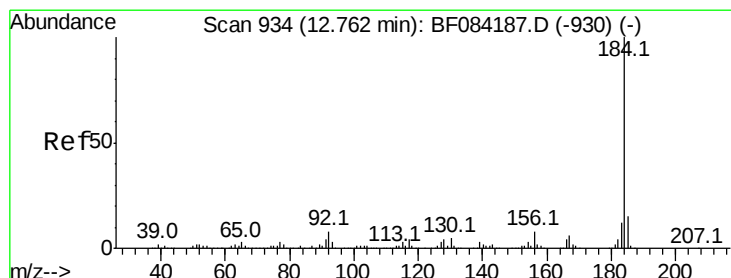
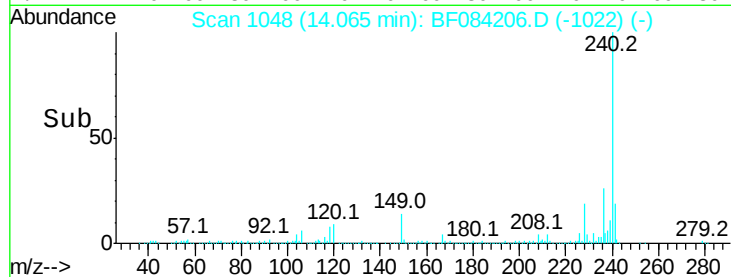
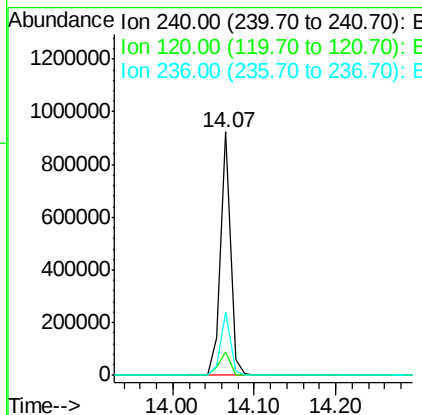
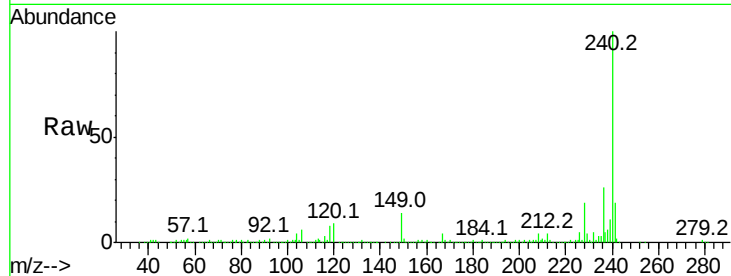
ClientSampleId :

SSTDCCC040EC

Tot Ion:	240	Resp:	784632
Ion Ratio	Lower	Upper	
240	100		
120	9.4	9.5	14.3#
236	26.1	20.6	31.0

Manual Integrations
APPROVED

UMANGI
1/4/2016 4:28:58 PM



#76

Benzidine

Concen: 38.84 ng

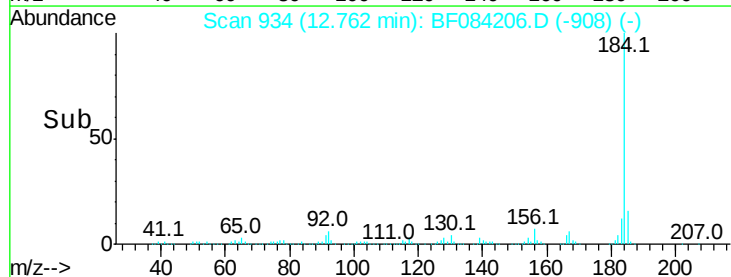
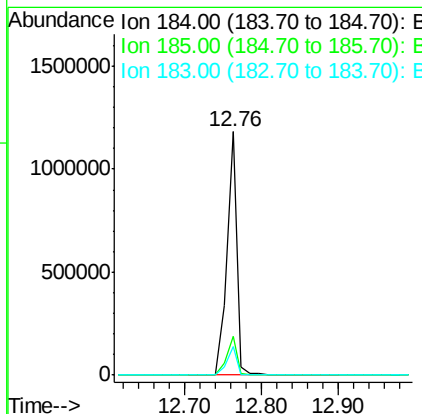
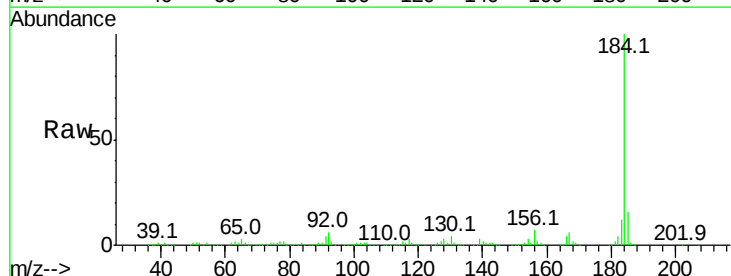
RT: 12.76 min Scan# 934

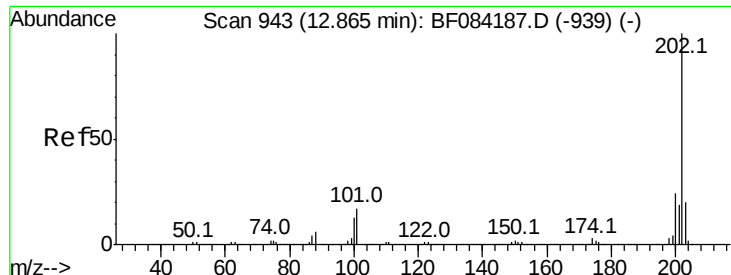
Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Tgt Ion:	184	Resp:	1092586
Ion Ratio	Lower	Upper	
184	100		
185	15.8	12.2	18.2
183	11.6	9.8	14.8





#77

Pvrene

Concen: 36.05 ng

RT: 12.87 min Scan# 943

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tot Ion:202 Resp: 2219729

Ion Ratio Lower Upper

202 100

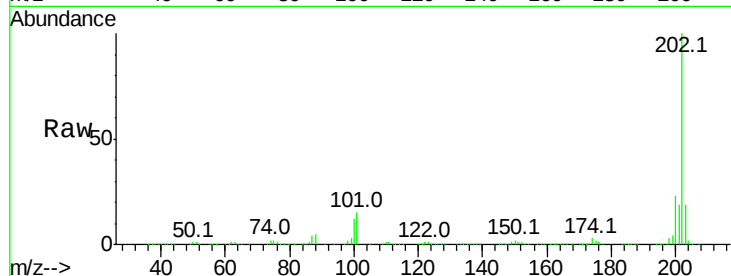
200 22.7 17.2 25.8

203 18.8 14.3 21.5

Manual Integrations
APPROVED

UMANGI

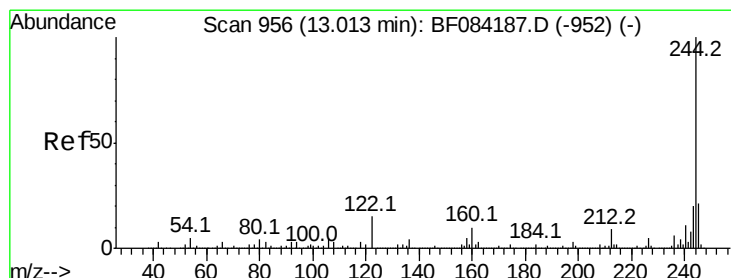
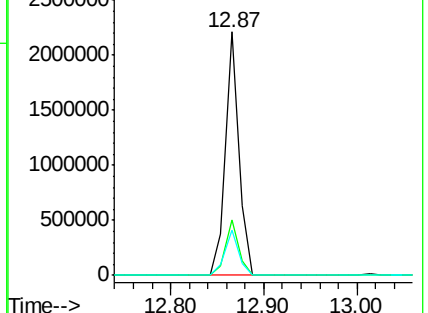
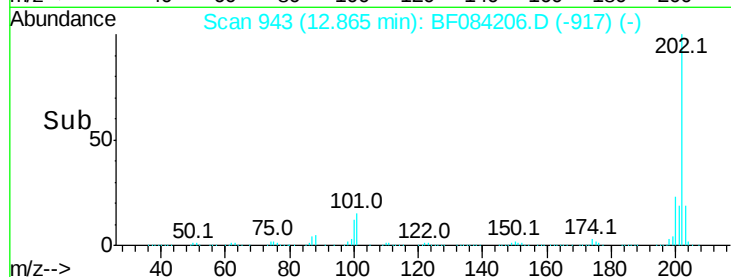
1/4/2016 4:28:58 PM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 68.96 ng

RT: 13.01 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

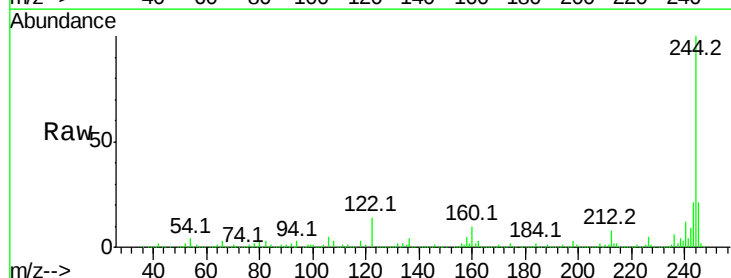
Tgt Ion:244 Resp: 2424025

Ion Ratio Lower Upper

244 100

212 8.4 5.7 8.5

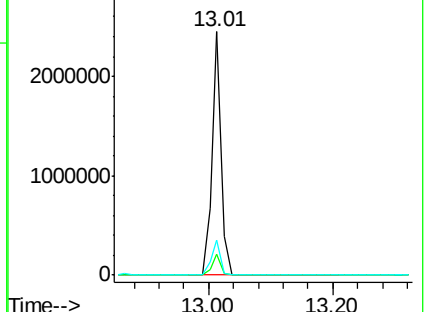
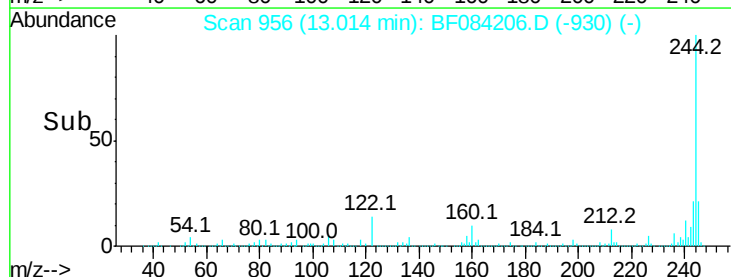
122 14.5 7.4 11.0#

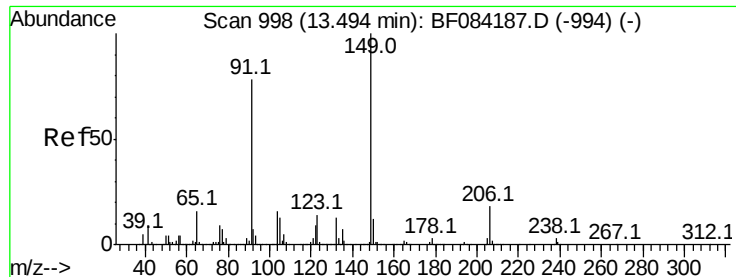


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 40.88 ng

RT: 13.49 min Scan# 998

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Instrument :

BNA_F

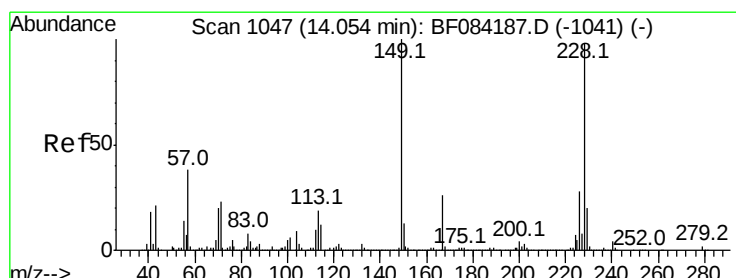
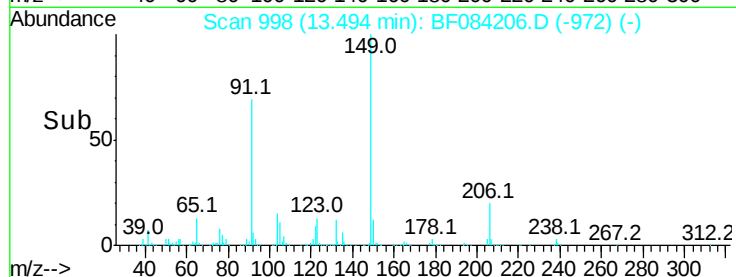
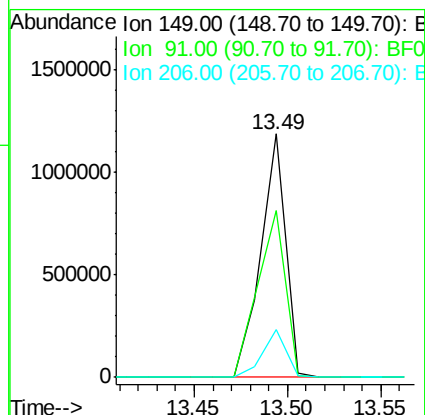
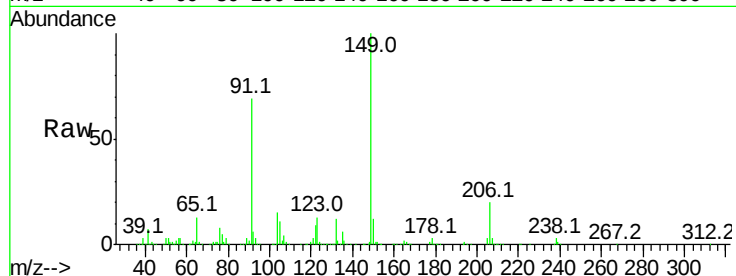
ClientSampleId :

SSTDCCC040EC

Tot Ion:	149	Resp:	1089203
Ion Ratio	Lower	Upper	
149	100		
91	68.7	57.6	86.4
206	19.9	13.2	19.8

Manual Integrations
APPROVED

UMANGI
1/4/2016 4:28:58 PM



#80

Benzo(a)anthracene

Concen: 37.77 ng

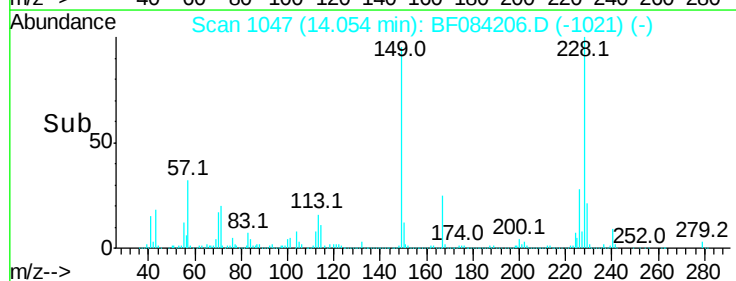
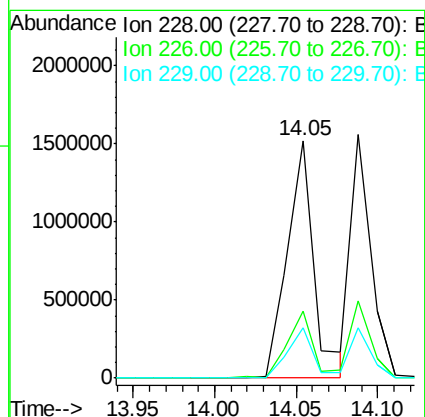
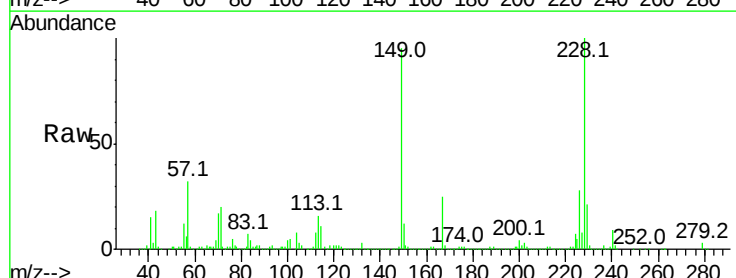
RT: 14.05 min Scan# 1047

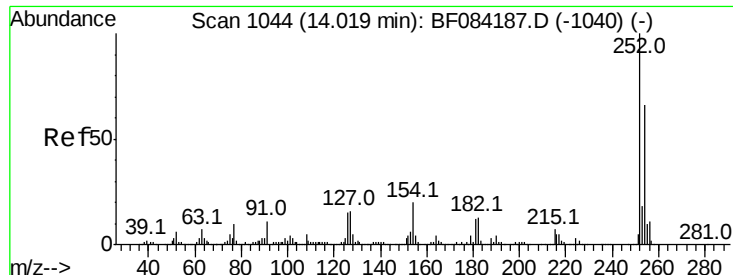
Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Tgt Ion:	228	Resp:	1740061
Ion Ratio	Lower	Upper	
228	100		
226	28.0	21.8	32.6
229	21.2	15.8	23.8





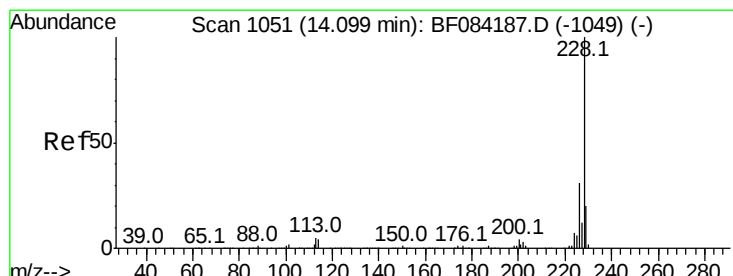
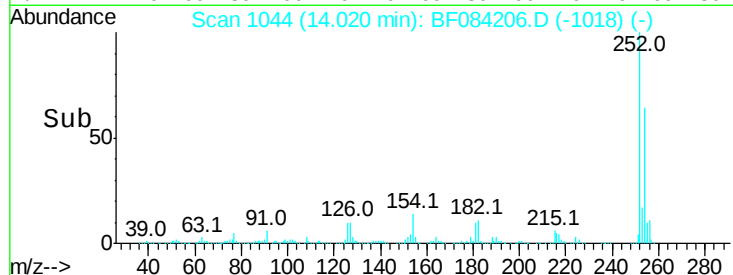
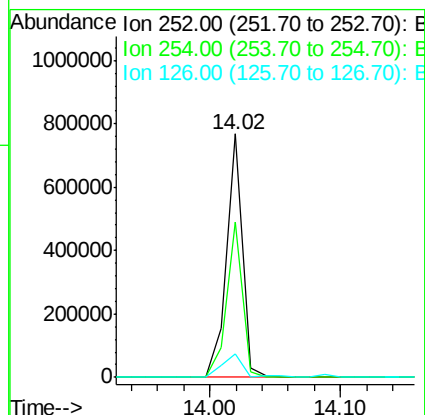
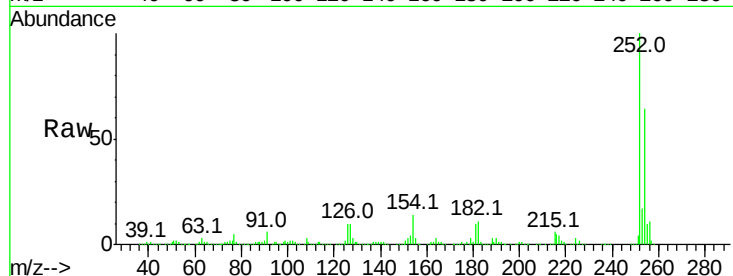
#81
 3,3'-Dichlorobenzidine
 Concen: 40.83 ng
 RT: 14.02 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: BF084206.D
 Acq: 31 Dec 2015 20:31

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	64.0	53.5	80.3
126	9.7	4.9	7.3

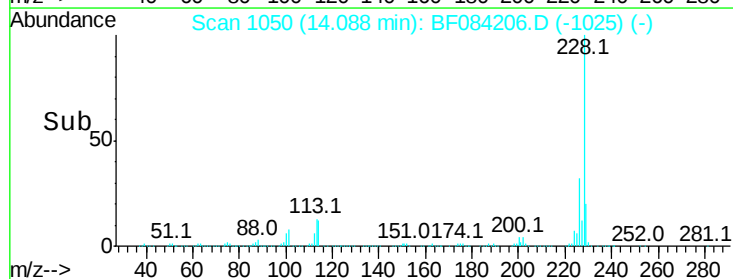
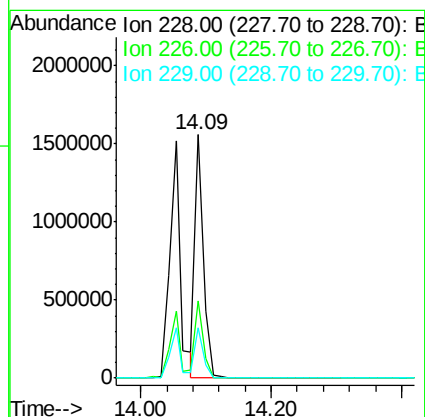
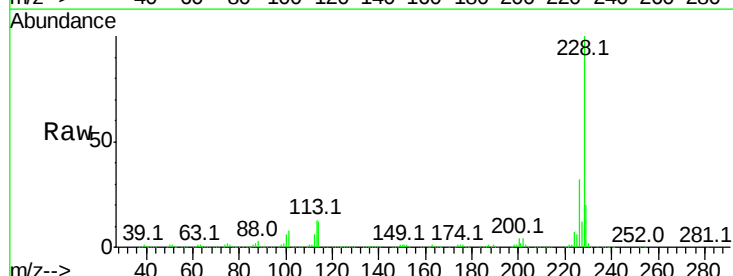
Manual Integrations
 APPROVED

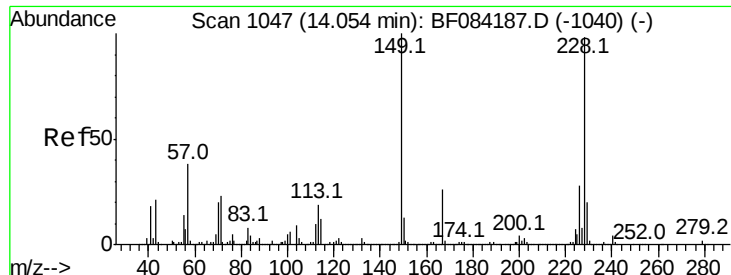
UMANGI
 1/4/2016 4:28:58 PM



#82
 Chrysene
 Concen: 31.60 ng
 RT: 14.09 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: BF084206.D
 Acq: 31 Dec 2015 20:31

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	31.7	24.3	36.5
229	20.4	16.1	24.1





#83

Bis(2-ethylhexyl)phthalate

Concen: 37.79 ng

RT: 14.05 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tot Ion:149 Resp: 1272120

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

149 100

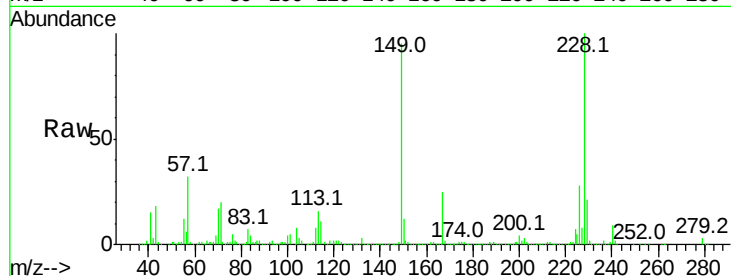
167 26.0 19.7 29.5

279 2.6 1.8 2.6

Manual Integrations
APPROVED

UMANGI

1/4/2016 4:28:58 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

14.05

1500000

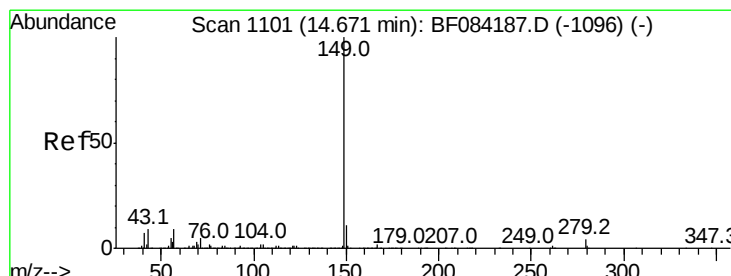
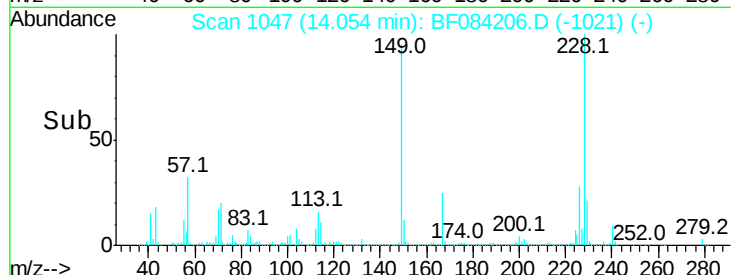
1000000

500000

0

13.90 14.00 14.10 14.20

Time-->



#84

Di-n-octyl phthalate

Concen: 35.07 ng

RT: 14.66 min Scan# 1100

Delta R.T. -0.01 min

Lab File: BF084206.D

Acq: 31 Dec 2015 20:31

Tgt Ion:149 Resp: 1992882

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	12.7	5.6	8.4#

149 100

167 1.5 1.2 1.8

43 12.7 5.6 8.4#

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

14.66

2000000

1500000

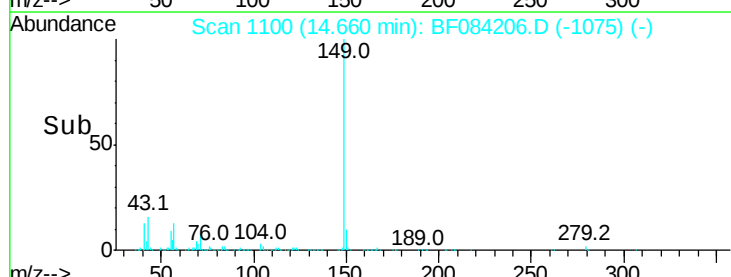
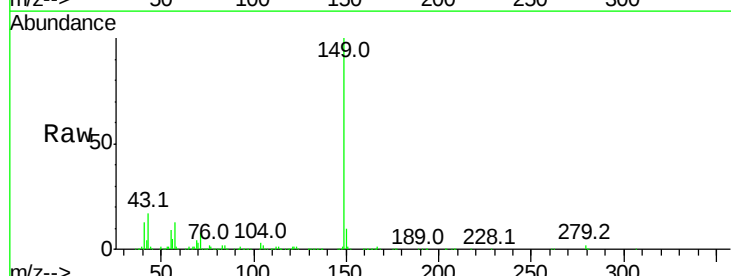
1000000

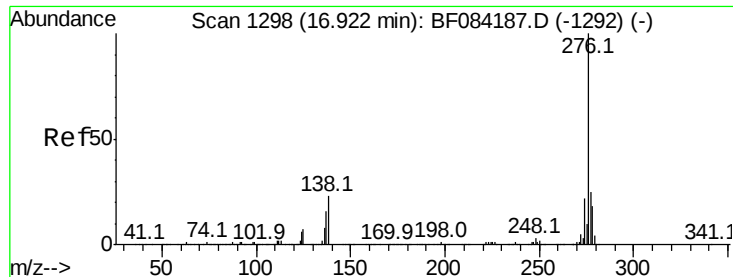
500000

0

14.60 14.70 14.80

Time-->





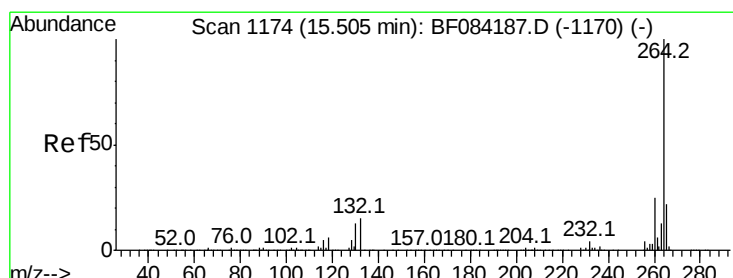
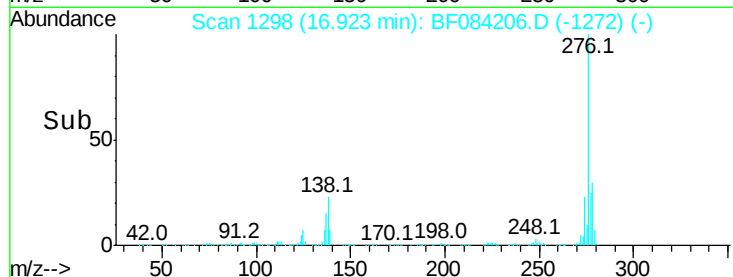
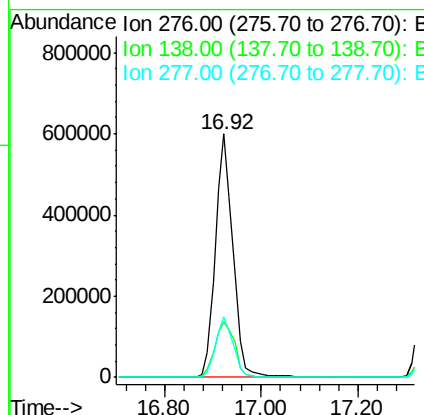
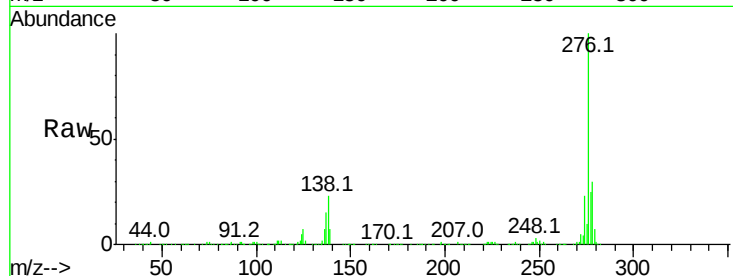
#85
Indeno(1,2,3-cd)pyrene
Concen: 43.77 ng
RT: 16.92 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BF084206.D
Acq: 31 Dec 2015 20:31

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.8	20.6	30.8
277	24.8	20.1	30.1

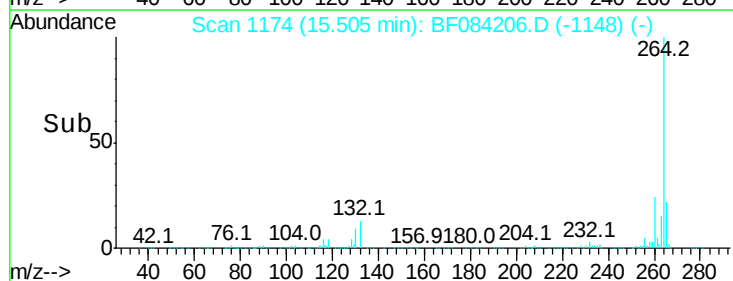
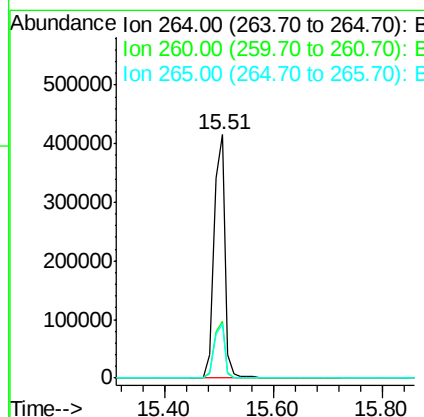
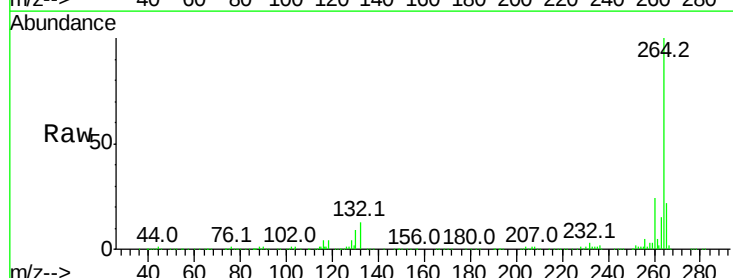
Manual Integrations
APPROVED

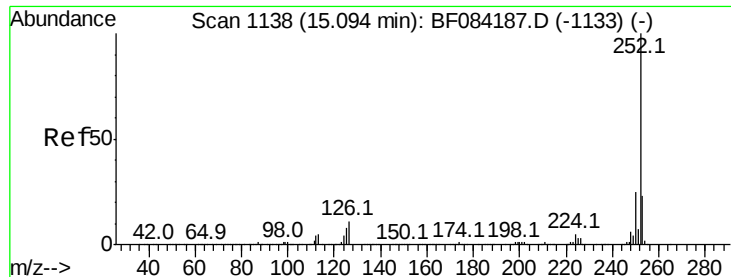
UMANGI
1/4/2016 4:28:58 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF084206.D
Acq: 31 Dec 2015 20:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.2
265	22.2	17.8	26.6





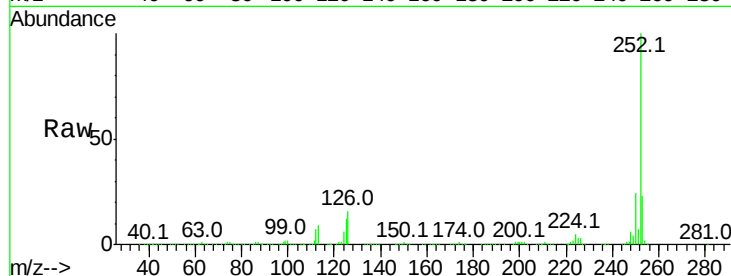
#87
Benzo(b)fluoranthene
Concen: 43.57 ng
RT: 15.08 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BF084206.D
Acq: 31 Dec 2015 20:31

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

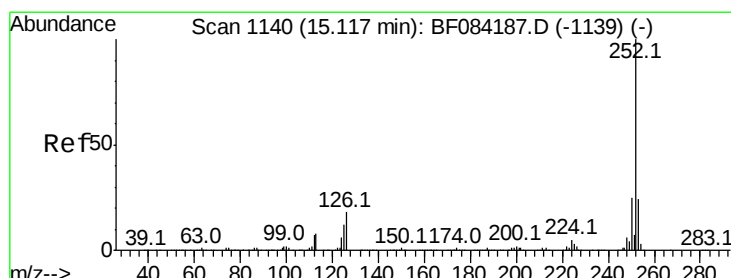
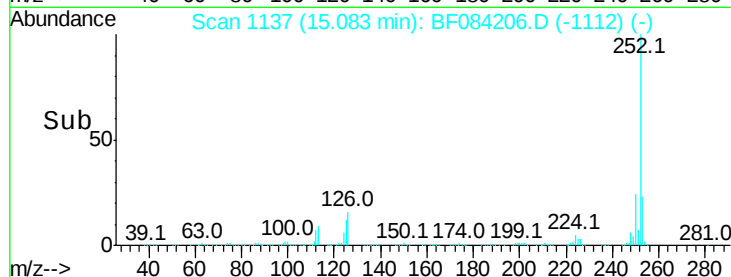
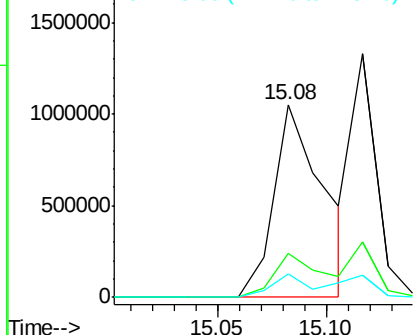
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.3	25.9
125	12.0	6.5	9.7

Manual Integrations
APPROVED

UMANGI
1/4/2016 4:28:58 PM



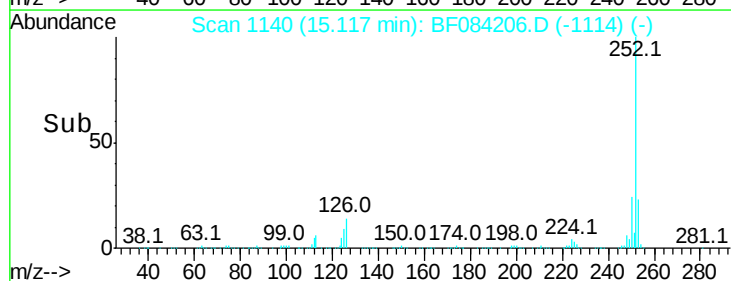
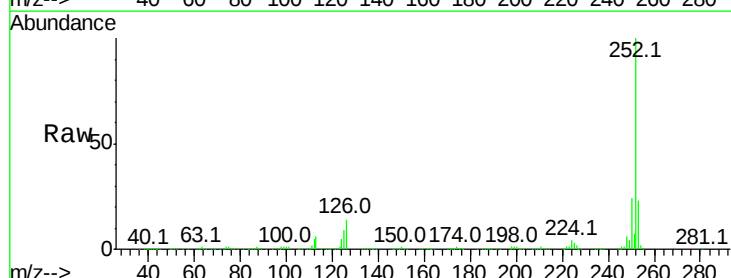
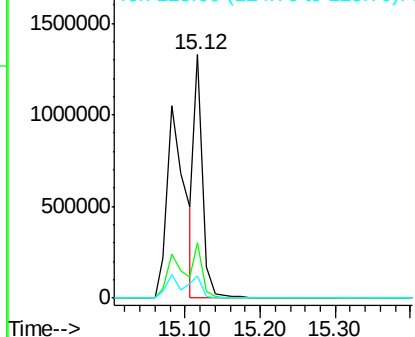
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

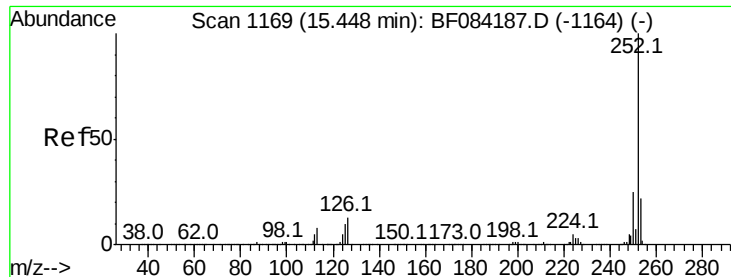


#88
Benzo(k)fluoranthene
Concen: 34.32 ng m
RT: 15.12 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BF084206.D
Acq: 31 Dec 2015 20:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	9.3	9.0	13.6

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





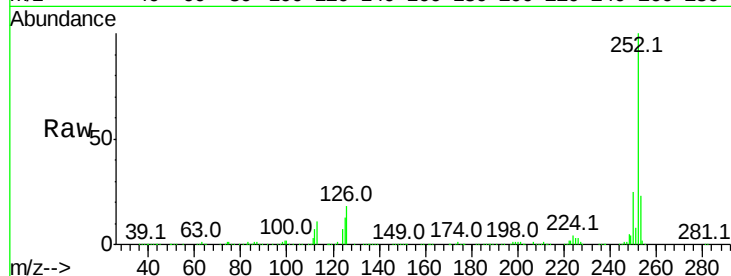
#89
Benzo(a)pyrene
Concen: 40.85 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF084206.D
Acq: 31 Dec 2015 20:31

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

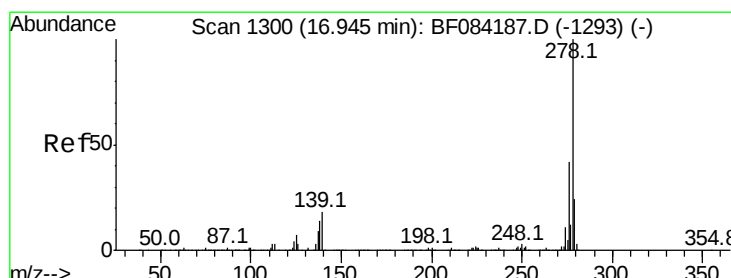
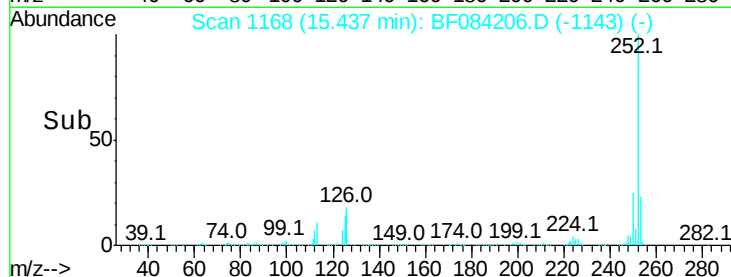
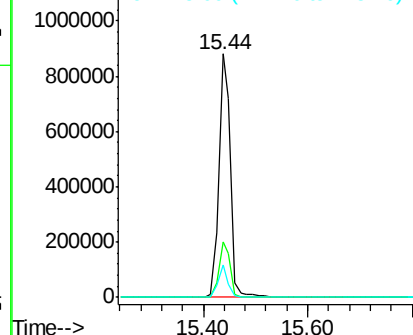
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.3	25.9
125	13.5	7.0	10.4

Manual Integrations
APPROVED

UMANGI
1/4/2016 4:28:58 PM

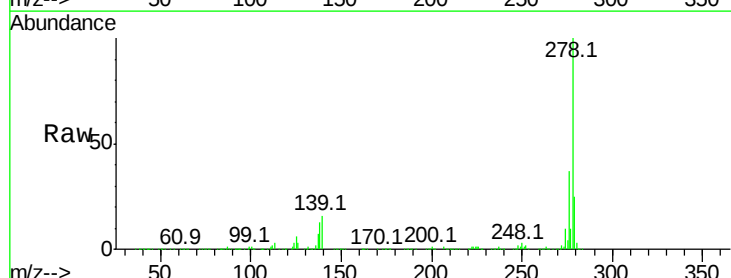


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

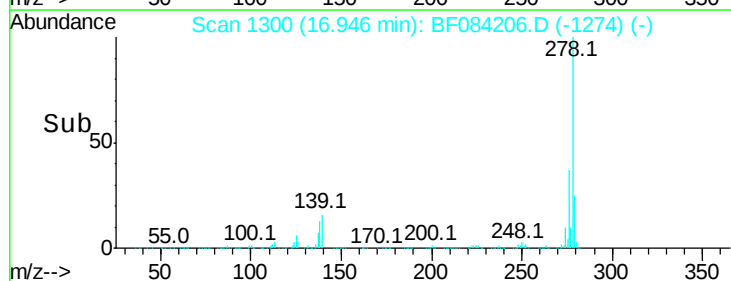
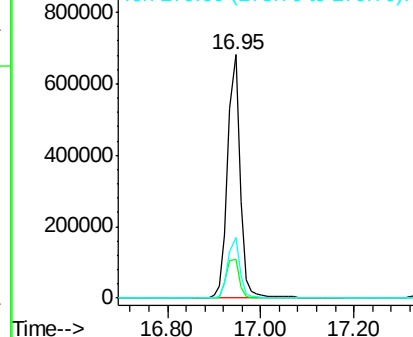


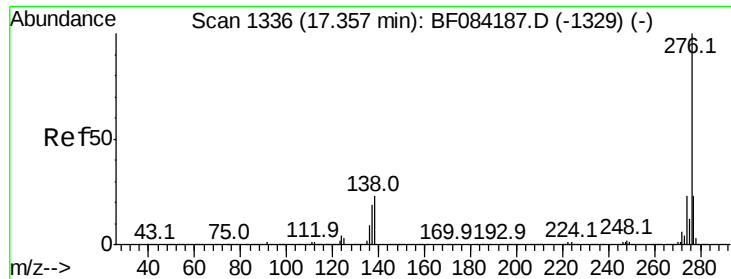
#90
Dibenzo(a,h)anthracene
Concen: 44.86 ng
RT: 16.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BF084206.D
Acq: 31 Dec 2015 20:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.8	15.0	22.4
279	24.8	18.9	28.3



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 44.88 ng
 RT: 17.36 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: BF084206.D
 Acq: 31 Dec 2015 20:31

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.8	28.2
138	20.0	17.8	26.6

Manual Integrations
 APPROVED

UMANGI
 1/4/2016 4:28:58 PM

