

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
 Data File : BF086909.D
 Acq On : 12 May 2016 1:27
 Operator : UM/SJ
 Sample : H2965-05MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E-19(11.5-12)MSD

Manual Integrations
 APPROVED

umangi
 5/12/2016 9:10:07 AM

Quant Time: May 12 01:55:32 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 12 01:06:48 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	151210	20.00	ng	-0.01
21) Naphthalene-d8	7.92	136	602815	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	281695	20.00	ng	-0.01
63) Phenanthrene-d10	11.15	188	505859	20.00	ng	0.00
75) Chrysene-d12	13.77	240	268296	20.00	ng	-0.01
86) Perylene-d12	15.13	264	301737	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.23	112	1124759	125.97	ng	0.01
7) Phenol-d6	6.31	99	1461848	122.50	ng	0.00
23) Nitrobenzene-d5	7.21	82	930561	77.51	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	382356	128.21	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	1449313	86.47	ng	0.00
78) Terphenyl-d14	12.73	244	1111214	87.88	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.15	88	147727	33.70	ng	# 71
3) Pyridine	2.80	79	403887	37.69	ng	# 67
4) n-Nitrosodimethylamine	2.75	42	323967	41.69	ng	# 49
6) Aniline	6.31	93	341359	23.65	ng	# 18
8) 2-Chlorophenol	6.42	128	430120	39.92	ng	85
9) Benzaldehyde	6.18	77	38930	5.63	ng	99
10) Phenol	6.32	94	575309	40.56	ng	89
11) bis(2-Chloroethyl)ether	6.38	93	410556	37.12	ng	# 82
12) 1,3-Dichlorobenzene	6.57	146	449979	38.59	ng	# 95
13) 1,4-Dichlorobenzene	6.65	146	472999	39.78	ng	95
14) 1,2-Dichlorobenzene	6.80	146	390168	37.65	ng	94
15) Benzyl Alcohol	6.80	79	394799	47.91	ng	93
16) 2,2'-oxybis(1-Chloropropan	6.92	45	879109	36.56	ng	71
17) 2-Methylphenol	6.92	107	359313	41.91	ng	# 81
18) Hexachloroethane	7.14	117	172593	38.58	ng	99
19) n-Nitroso-di-n-propylamine	7.06	70	328417	39.38	ng	# 62
20) 3+4-Methylphenols	7.07	107	485792	43.38	ng	# 64
22) Acetophenone	7.05	105	635310	44.62	ng	# 94
24) Nitrobenzene	7.23	77	507896	41.13	ng	# 87
25) Isophorone	7.47	82	903857	40.58	ng	96
26) 2-Nitrophenol	7.54	139	219135	40.37	ng	# 69
27) 2,4-Dimethylphenol	7.60	122	379266	41.01	ng	88
28) bis(2-Chloroethoxy)methane	7.69	93	564742	47.00	ng	99
29) 2,4-Dichlorophenol	7.79	162	364074	44.73	ng	96
30) 1,2,4-Trichlorobenzene	7.86	180	368390	40.48	ng	95
31) Naphthalene	7.94	128	1201461	39.79	ng	99
32) Benzoic acid	7.70	122	35447	6.53	ng	# 80
33) 4-Chloroaniline	8.01	127	156412	13.33	ng	97
34) Hexachlorobutadiene	8.07	225	209356	39.65	ng	97
35) Caprolactam	8.39	113	109430m	39.52	ng	
36) 4-Chloro-3-methylphenol	8.51	107	428856	43.45	ng	97
37) 2-Methylnaphthalene	8.64	142	825123	46.74	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.80	216	320121	39.09	ng	97
40) Hexachlorocyclopentadiene	8.79	237	210110	54.05	ng	95

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
 Data File : BF086909.D
 Acq On : 12 May 2016 1:27
 Operator : UM/SJ
 Sample : H2965-05MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E-19(11.5-12)MSD

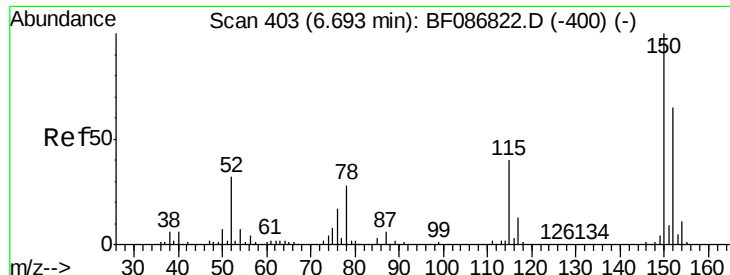
Manual Integrations
 APPROVED

umangi
 5/12/2016 9:10:07 AM

Quant Time: May 12 01:55:32 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 12 01:06:48 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.92	196	233538	42.64	ng	93
43) 2,4,5-Trichlorophenol	8.97	196	245885	43.41	ng	# 85
45) 1,1'-Biphenyl	9.10	154	931610	41.58	ng	95
46) 2-Chloronaphthalene	9.12	162	699675	39.86	ng	92
47) 2-Nitroaniline	9.23	65	310150	48.34	ng	83
48) Acenaphthylene	9.53	152	1086591	42.08	ng	99
49) Dimethylphthalate	9.42	163	1080005	50.25	ng	100
50) 2,6-Dinitrotoluene	9.47	165	181706	40.17	ng	# 80
51) Acenaphthene	9.70	154	643479	40.06	ng	99
52) 3-Nitroaniline	9.64	138	128533	26.99	ng	97
53) 2,4-Dinitrophenol	9.76	184	47856	26.41	ng	91
54) Dibenzofuran	9.87	168	944804	45.82	ng	92
55) 4-Nitrophenol	9.84	139	234153	74.11	ng	93
56) 2,4-Dinitrotoluene	9.87	165	225678	40.32	ng	# 56
57) Fluorene	10.22	166	692143	39.36	ng	100
58) 2,3,4,6-Tetrachlorophenol	10.00	232	194003	45.50	ng	96
59) Diethylphthalate	10.11	149	921879	44.02	ng	97
60) 4-Chlorophenyl-phenylether	10.22	204	366237	48.92	ng	87
61) 4-Nitroaniline	10.26	138	194844	42.61	ng	# 78
62) Azobenzene	10.38	77	1063593	47.07	ng	87
64) 4,6-Dinitro-2-methylphenol	10.28	198	93560	29.77	ng	# 67
65) n-Nitrosodiphenylamine	10.34	169	730466	47.00	ng	100
66) 4-Bromophenyl-phenylether	10.70	248	214385	41.80	ng	# 89
67) Hexachlorobenzene	10.76	284	262018	43.71	ng	98
68) Atrazine	10.87	200	228192	43.95	ng	96
69) Pentachlorophenol	10.97	266	240687	86.89	ng	98
70) Phenanthrene	11.18	178	1447890	53.63	ng	100
71) Anthracene	11.22	178	1143166	41.41	ng	99
72) Carbazole	11.38	167	1029570	43.38	ng	98
73) Di-n-butylphthalate	11.73	149	1366804	47.16	ng	99
74) Fluoranthene	12.35	202	1383742	49.84	ng	97
76) Benzidine	12.49	184	518620	75.82	ng	96
77) Pyrene	12.58	202	1428477	69.54	ng	99
79) Butylbenzylphthalate	13.21	149	477495	54.96	ng	# 77
80) Benzo(a)anthracene	13.76	228	871477	57.86	ng	98
81) 3,3'-Dichlorobenzidine	13.74	252	147678	15.43	ng	# 95
82) Chrysene	13.81	228	842083	54.96	ng	99
83) Bis(2-ethylhexyl)phthalate	13.77	149	591136	56.56	ng	96
84) Di-n-octyl phthalate	14.38	149	931815	53.83	ng	# 84
85) Indeno(1,2,3-cd)pyrene	16.40	276	858884	67.38	ng	95
87) Benzo(b)fluoranthene	14.77	252	848181m	43.25	ng	
88) Benzo(k)fluoranthene	14.79	252	715235m	44.54	ng	
89) Benzo(a)pyrene	15.09	252	818745	48.41	ng	98
90) Dibenzo(a,h)anthracene	16.41	278	684167	47.99	ng	# 92
91) Benzo(g,h,i)perylene	16.77	276	746426	51.53	ng	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 441

Delta R.T. -0.01 min

Lab File: BF086909.D

Acq: 12 May 2016 1:27

Instrument :

BNA_F

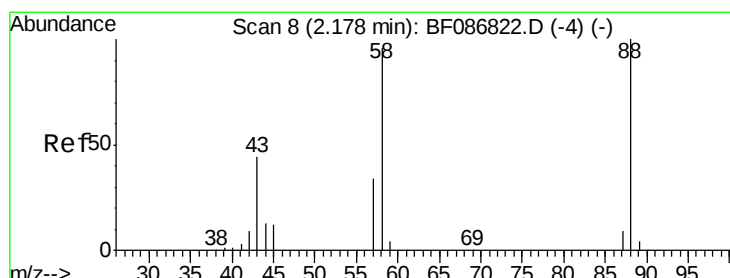
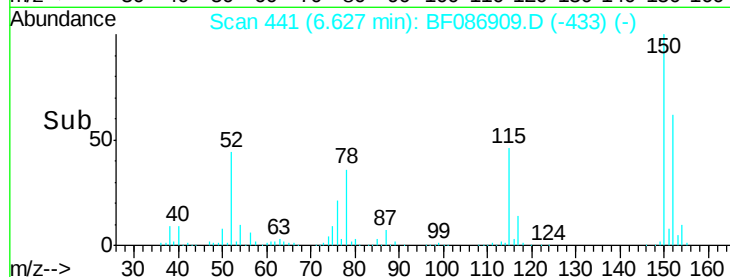
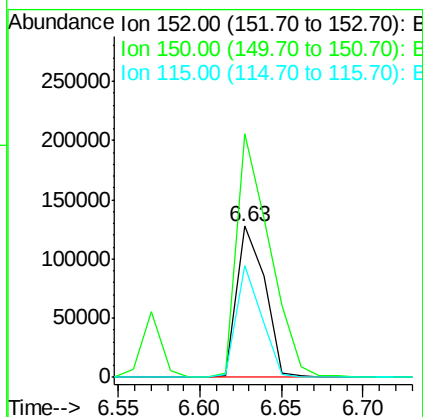
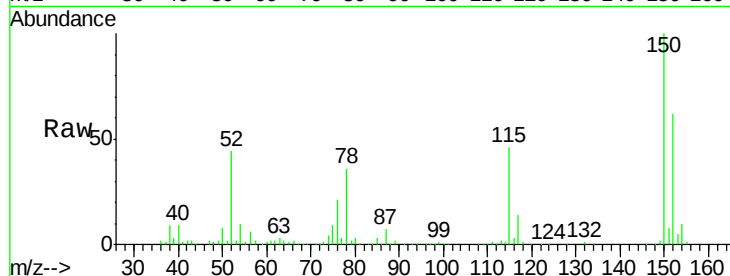
ClientSampleId :

E-19(11.5-12)MSD

Tgt Ion:	152	Resp:	151210
Ion Ratio	Lower	Upper	
152	100		
150	161.3	125.8	188.6
115	73.9	51.5	77.3

Manual Integrations
APPROVED

umangi
5/12/2016 9:10:07 AM



#2

1,4-Dioxane

Concen: 33.70 ng

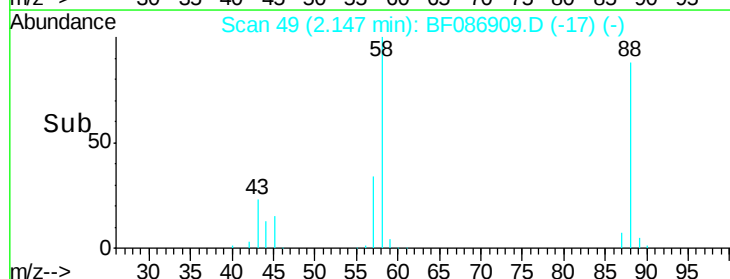
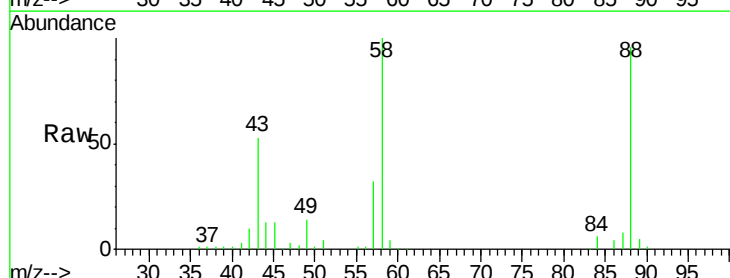
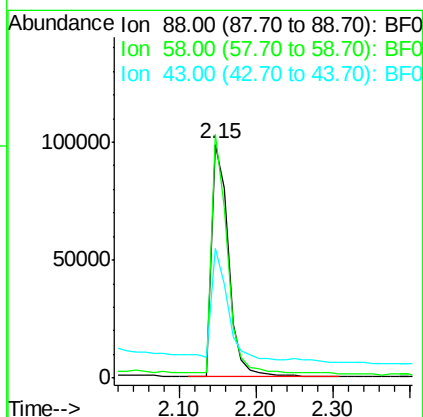
RT: 2.15 min Scan# 49

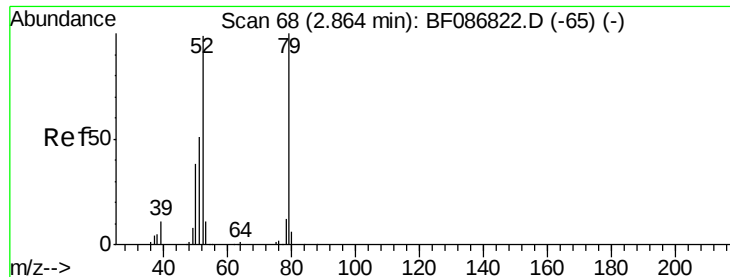
Delta R.T. 0.07 min

Lab File: BF086909.D

Acq: 12 May 2016 1:27

Tgt Ion:	88	Resp:	147727
Ion Ratio	Lower	Upper	
88	100		
58	97.3	59.6	89.4#
43	45.3	21.8	32.6#





#3

Pyridine

Concen: 37.69 ng

RT: 2.80 min Scan# 106

Delta R.T. 0.07 min

Lab File: BF086909.D

Acq: 12 May 2016 1:27

Instrument :

BNA_F

ClientSampleId :

E-19(11.5-12)MSD

Tgt Ion: 79 Resp: 403887
Ion Ratio Lower Upper

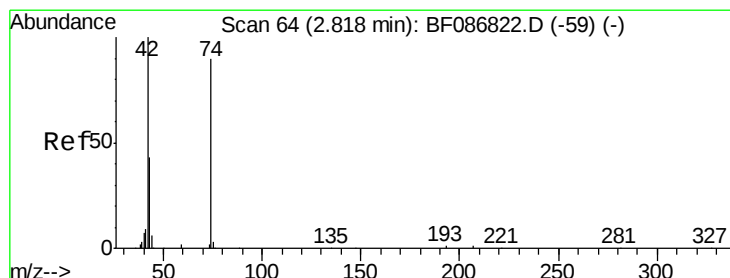
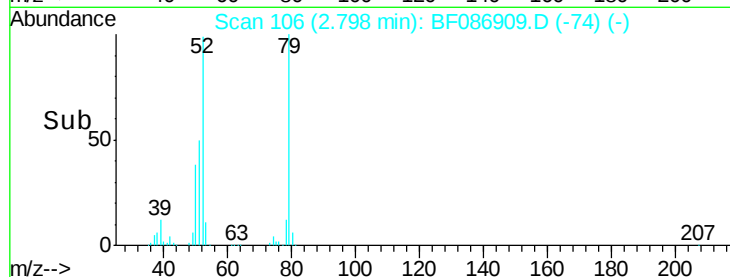
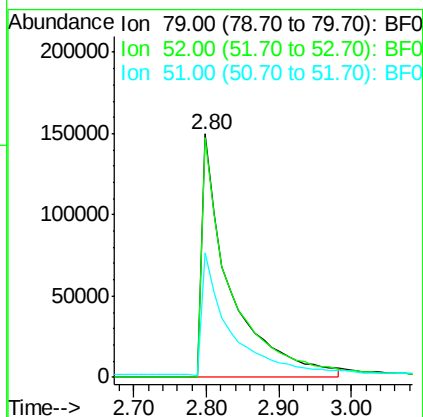
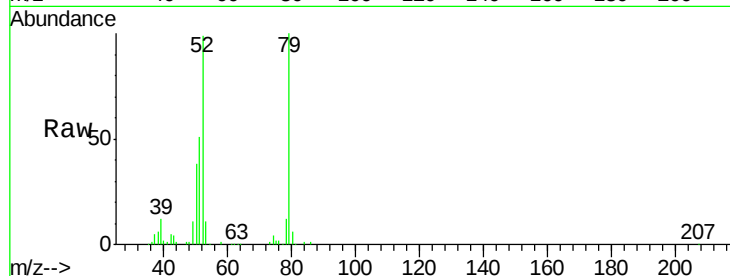
79 100

52 98.5 55.9 83.9#

51 51.4 28.1 42.1#

Manual Integrations
APPROVED

umangi
5/12/2016 9:10:07 AM



#4

n-Nitrosodimethylamine

Concen: 41.69 ng

RT: 2.75 min Scan# 102

Delta R.T. 0.05 min

Lab File: BF086909.D

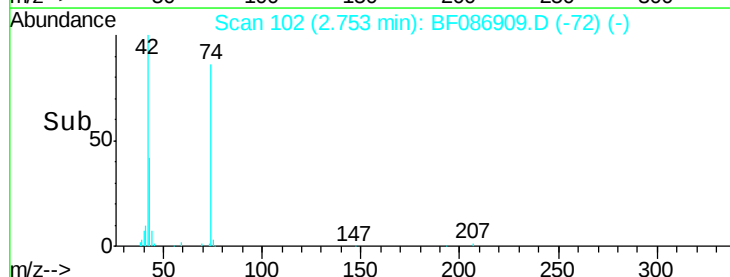
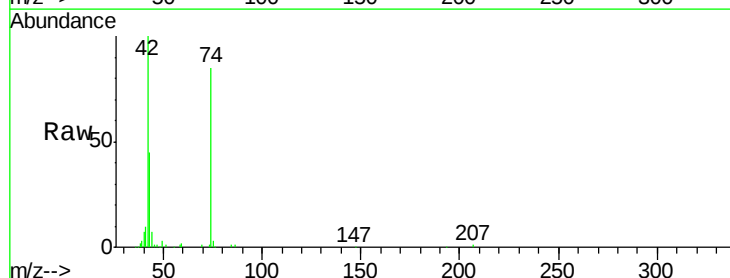
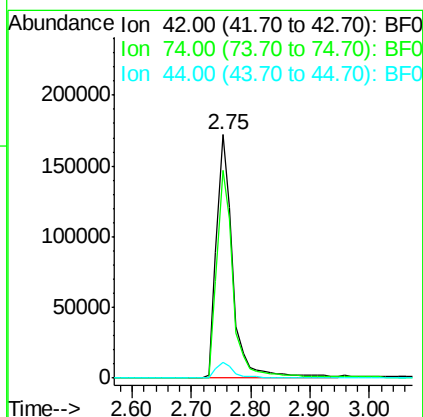
Acq: 12 May 2016 1:27

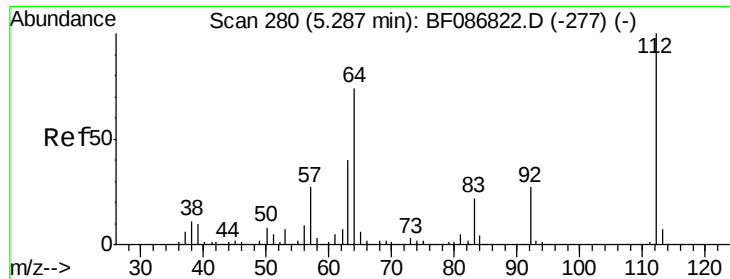
Tgt Ion: 42 Resp: 323967
Ion Ratio Lower Upper

42 100

74 85.3 123.4 185.0#

44 6.7 5.8 8.6





#5

2-Fluorophenol

Concen: 125.97 ng

RT: 5.23 min Scan# 319

Delta R.T. 0.01 min

Lab File: BF086909.D

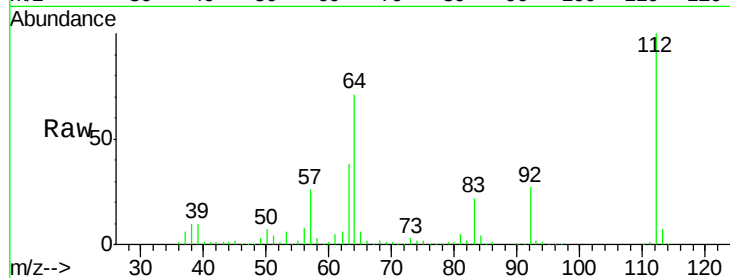
Acq: 12 May 2016 1:27

Instrument :

BNA_F

ClientSampleId :

E-19(11.5-12)MSD



Tgt Ion: 112 Resp: 1124759

Ion Ratio Lower Upper

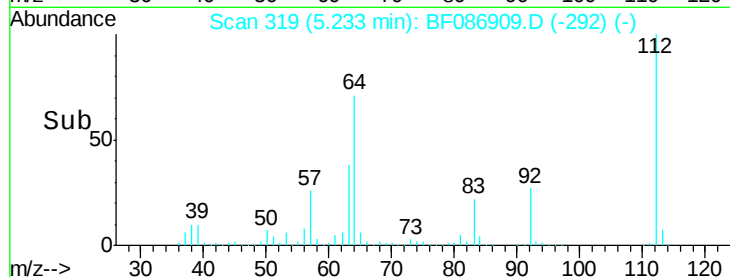
112 100

64 71.0 52.1 78.1

63 38.1 25.7 38.5

Manual Integrations
APPROVED

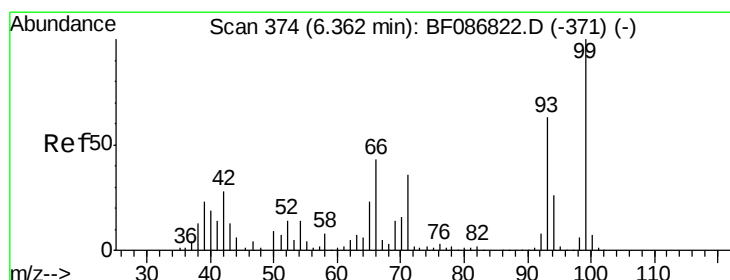
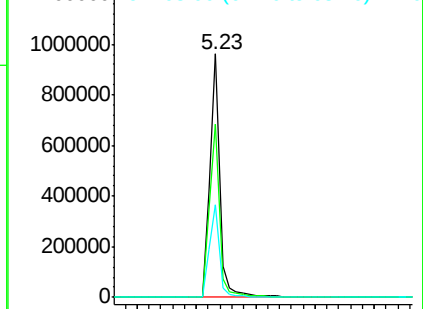
umangi
5/12/2016 9:10:07 AM



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 23.65 ng

RT: 6.31 min Scan# 413

Delta R.T. 0.00 min

Lab File: BF086909.D

Acq: 12 May 2016 1:27

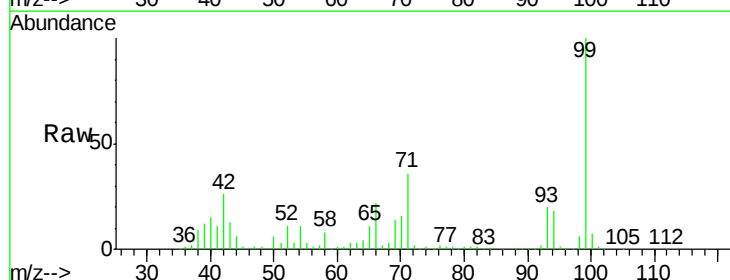
Tgt Ion: 93 Resp: 341359

Ion Ratio Lower Upper

93 100

66 111.2 39.0 58.6#

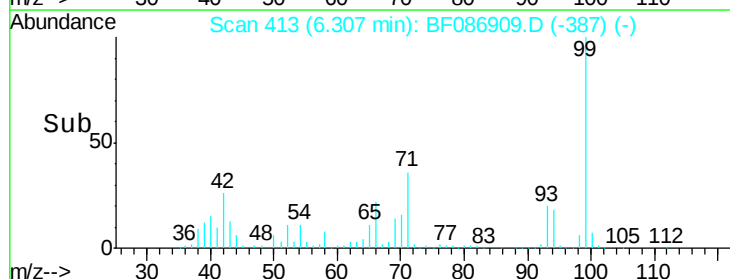
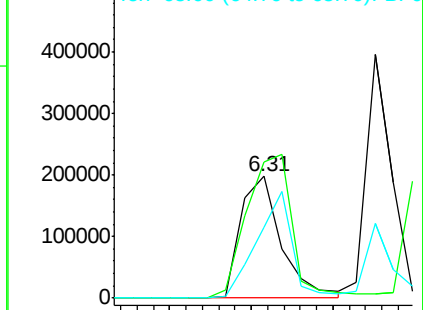
65 58.0 20.6 31.0#

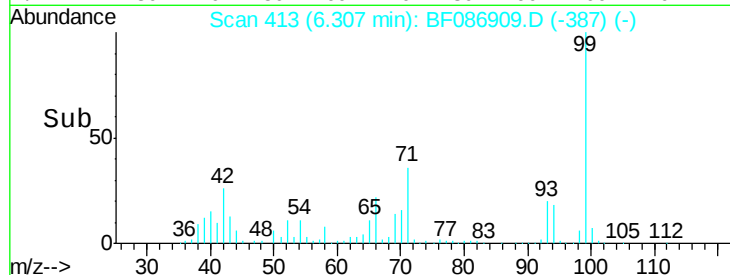
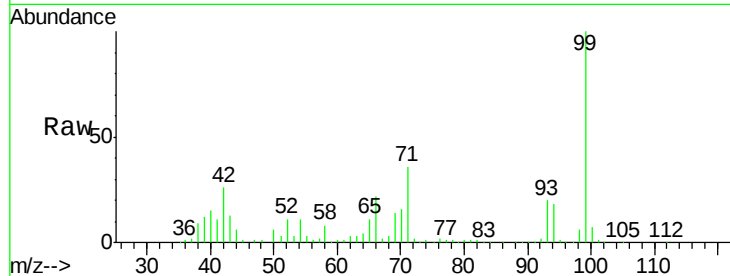
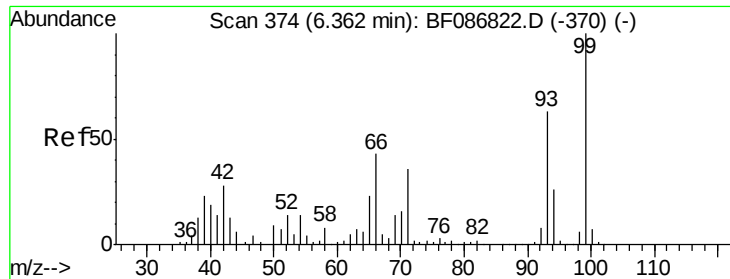


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 122.50 ng

RT: 6.31 min Scan# 413

Delta R.T. 0.00 min

Lab File: BF086909.D

Acq: 12 May 2016 1:27

Tgt Ion: 99 Resp: 1461848

Ion Ratio Lower Upper

99 100

42 26.3 13.6 20.4#

71 36.4 24.6 36.8

Instrument :

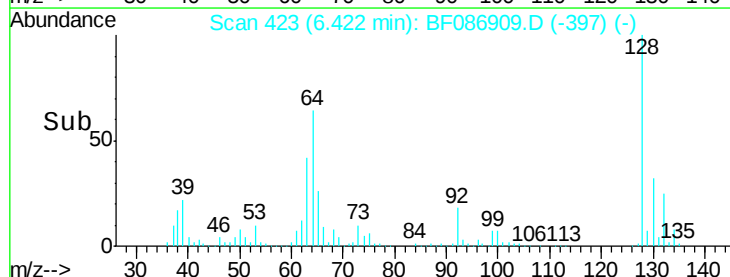
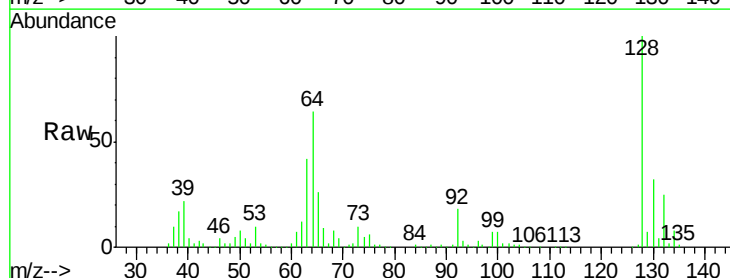
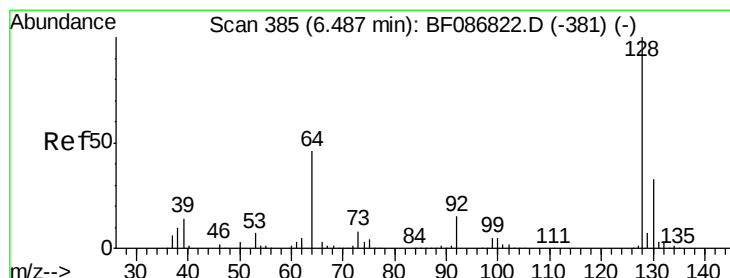
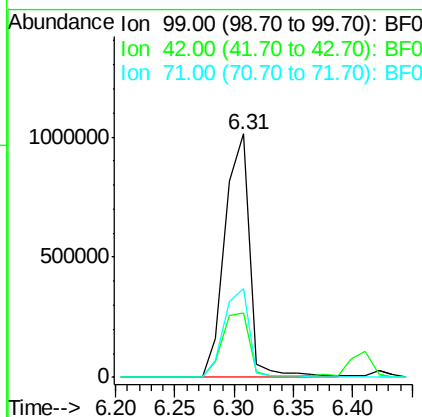
BNA_F

ClientSampleId :

E-19(11.5-12)MSD

Manual Integrations
APPROVED

umangi
5/12/2016 9:10:07 AM



#8

2-Chlorophenol

Concen: 39.92 ng

RT: 6.42 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF086909.D

Acq: 12 May 2016 1:27

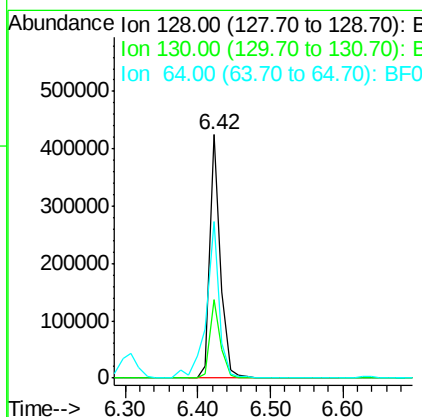
Tgt Ion: 128 Resp: 430120

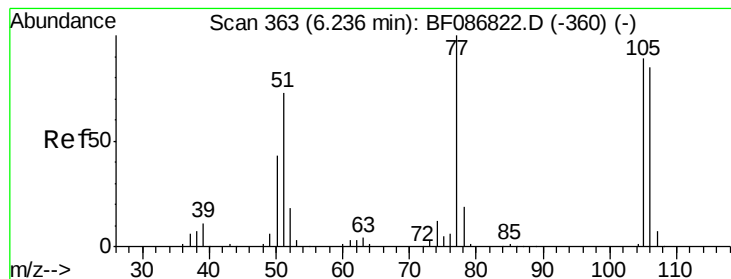
Ion Ratio Lower Upper

128 100

130 32.2 12.5 52.5

64 64.4 27.3 67.3





#9

Benzaldehyde

Concen: 5.63 ng

RT: 6.18 min Scan# 402

Delta R.T. 0.00 min

Lab File: BF086909.D

Acq: 12 May 2016 1:27

Instrument :

BNA_F

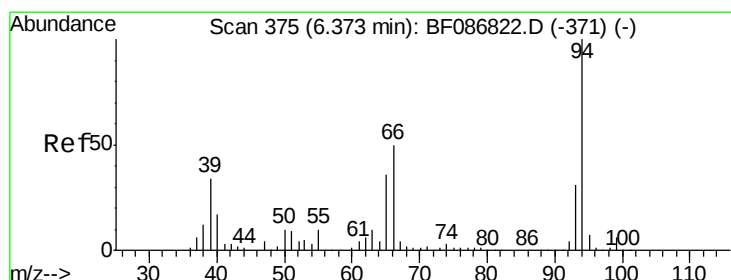
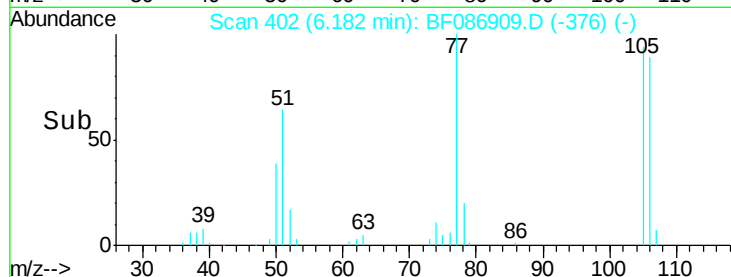
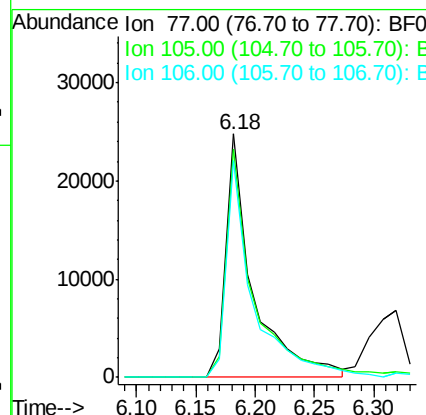
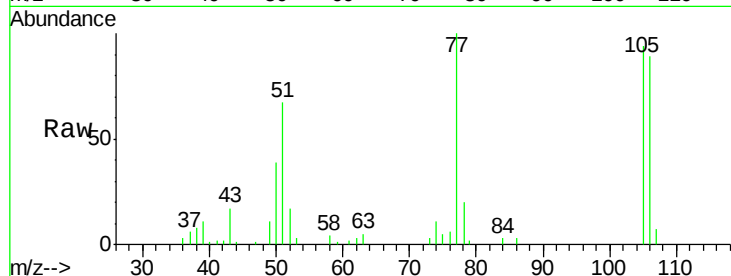
ClientSampleId :

E-19(11.5-12)MSD

Manual Integrations
APPROVED

umangi
5/12/2016 9:10:07 AM

Tgt Ion:	77	Resp:	38930
Ion	Ratio	Lower	Upper
77	100		
105	93.6	72.7	112.7
106	89.2	70.8	110.8



#10

Phenol

Concen: 40.56 ng

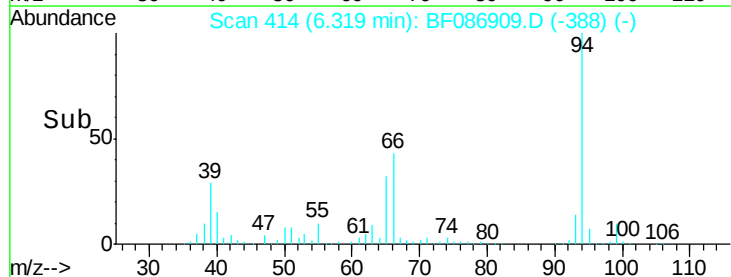
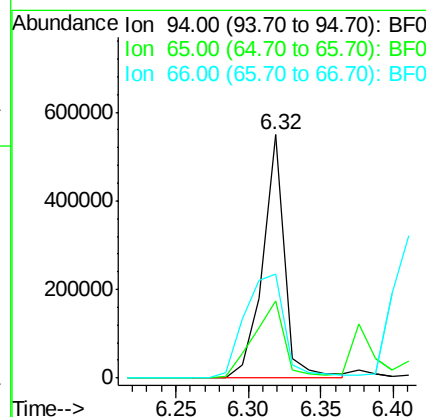
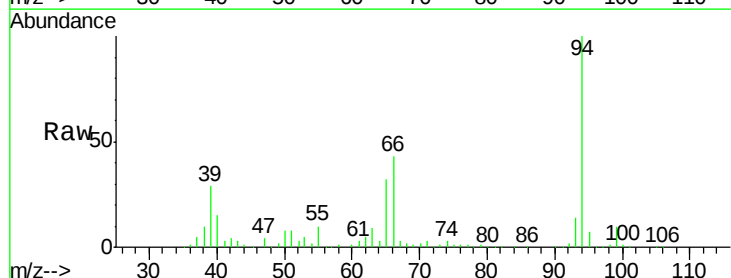
RT: 6.32 min Scan# 414

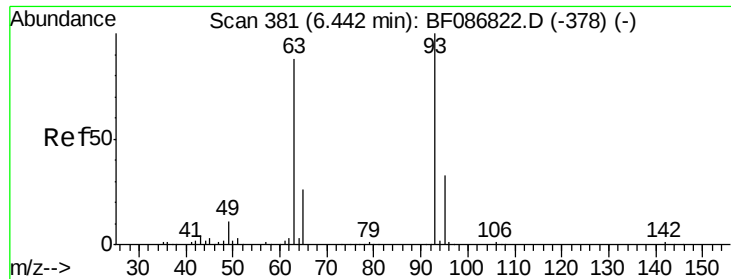
Delta R.T. 0.00 min

Lab File: BF086909.D

Acq: 12 May 2016 1:27

Tgt Ion:	94	Resp:	575309
Ion	Ratio	Lower	Upper
94	100		
65	31.5	7.2	47.2
66	42.6	14.9	54.9





#11

bis(2-Chloroethyl)ether

Concen: 37.12 ng

RT: 6.38 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF086909.D

Acq: 12 May 2016 1:27

Instrument :

BNA_F

ClientSampleId :

E-19(11.5-12)MSD

Tgt Ion: 93 Resp: 410556
Ion Ratio Lower Upper

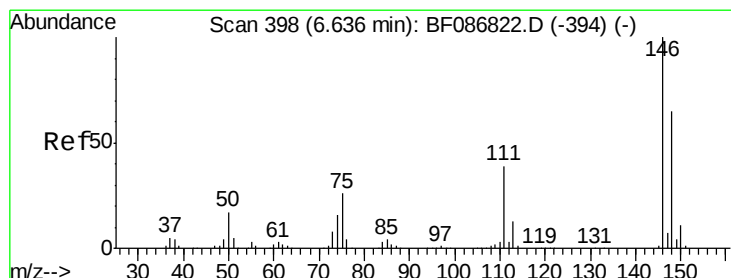
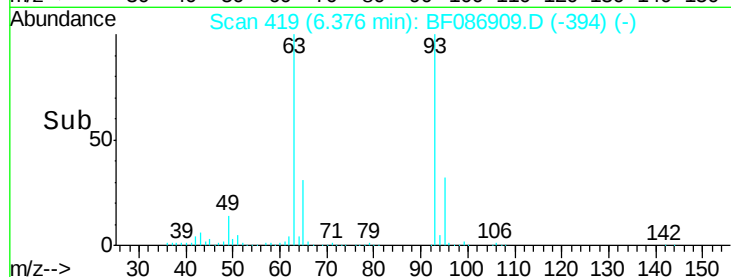
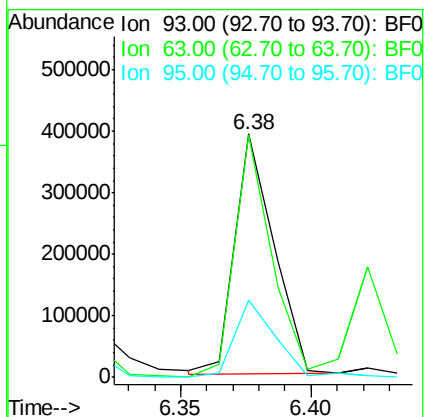
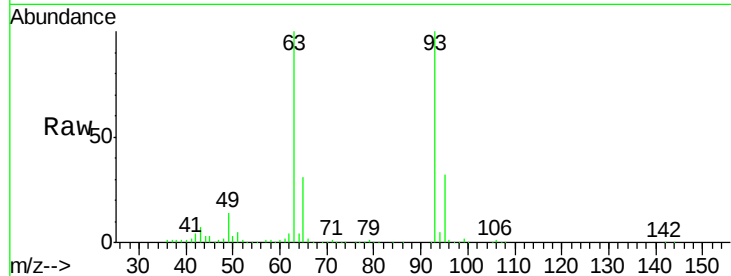
93 100

63 99.6 58.0 98.0#

95 31.7 11.9 51.9

Manual Integrations
APPROVED

umangi
5/12/2016 9:10:07 AM



#12

1,3-Dichlorobenzene

Concen: 38.59 ng

RT: 6.57 min Scan# 436

Delta R.T. 0.00 min

Lab File: BF086909.D

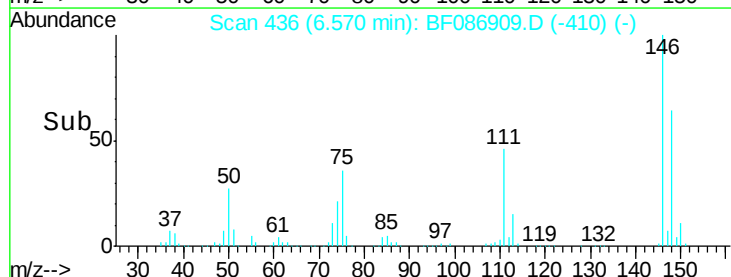
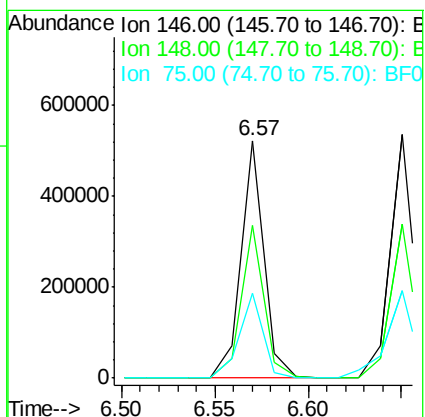
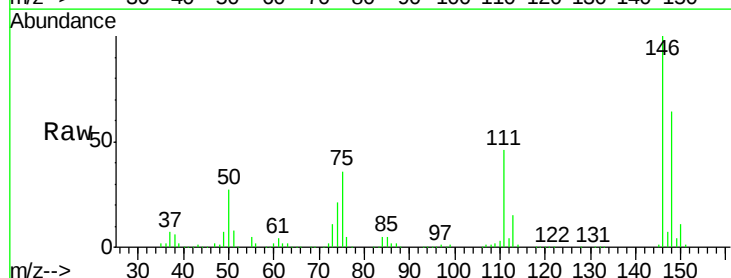
Acq: 12 May 2016 1:27

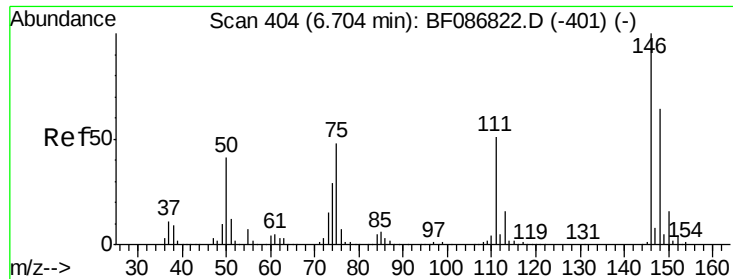
Tgt Ion: 146 Resp: 449979
Ion Ratio Lower Upper

146 100

148 64.1 52.4 78.6

75 35.7 22.8 34.2#





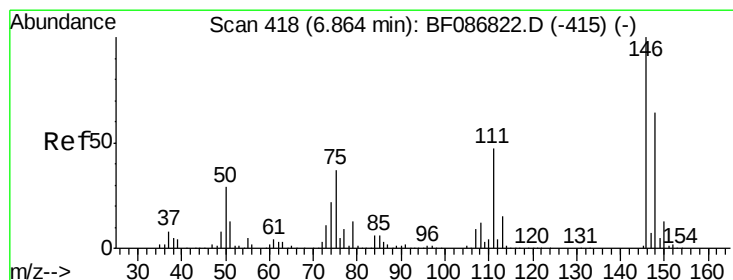
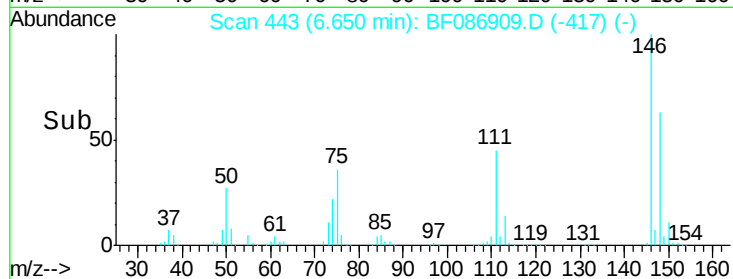
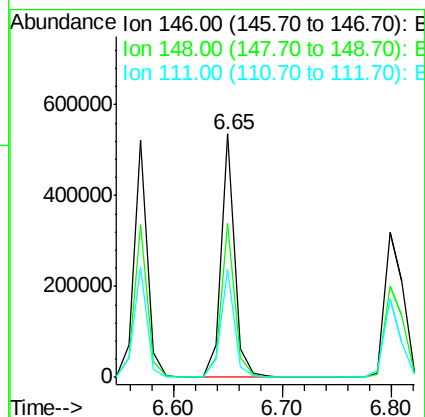
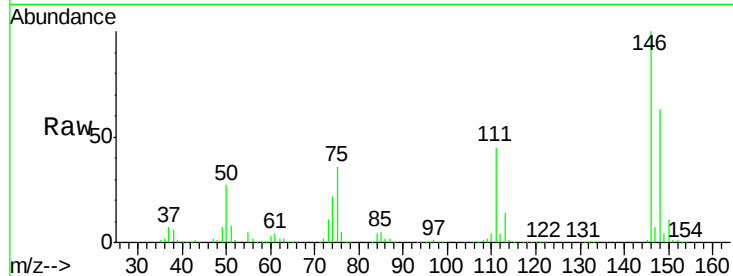
#13
 1,4-Dichlorobenzene
 Concen: 39.78 ng
 RT: 6.65 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: BF086909.D
 Acq: 12 May 2016 1:27

Instrument :
 BNA_F
 ClientSampleId :
 E-19(11.5-12)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	472999		
148	63.3	52.2	78.4	
111	44.6	30.7	46.1	

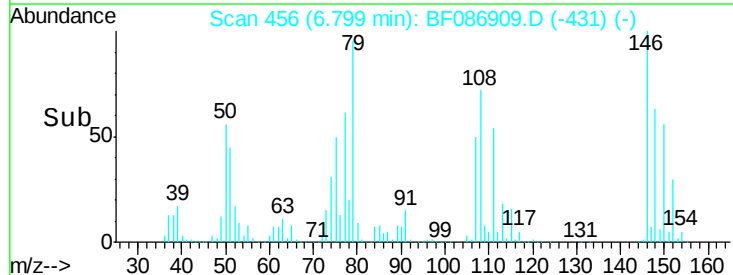
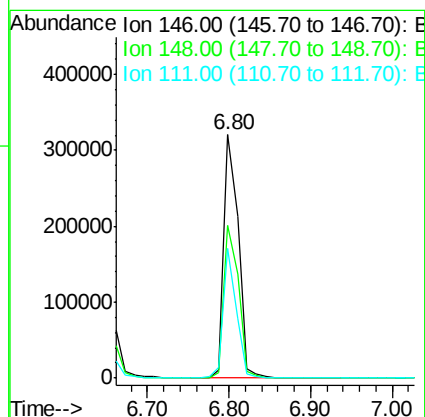
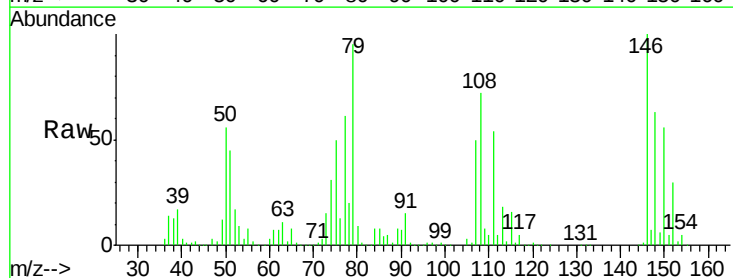
Manual Integrations
 APPROVED

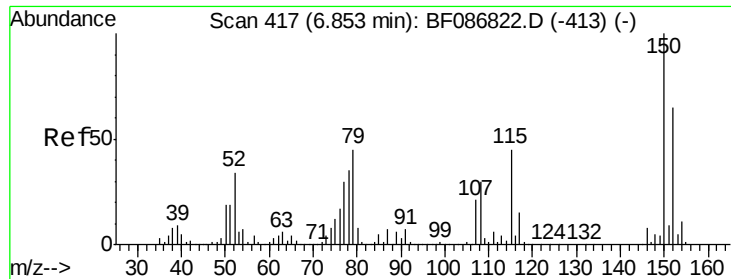
umangi
 5/12/2016 9:10:07 AM



#14
 1,2-Dichlorobenzene
 Concen: 37.65 ng
 RT: 6.80 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: BF086909.D
 Acq: 12 May 2016 1:27

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	390168		
148	62.8	51.0	76.6	
111	53.5	36.2	54.4	





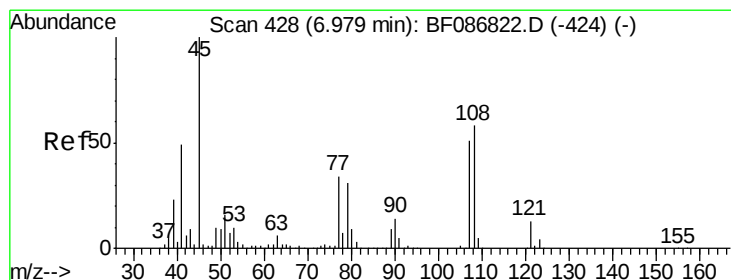
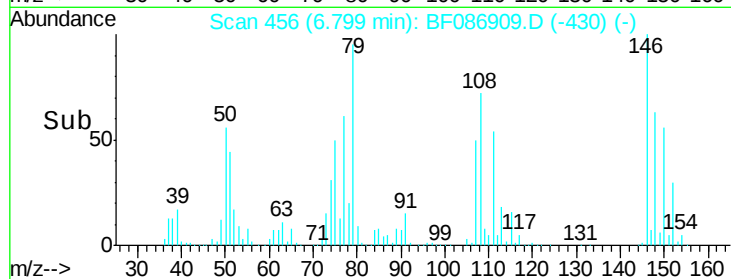
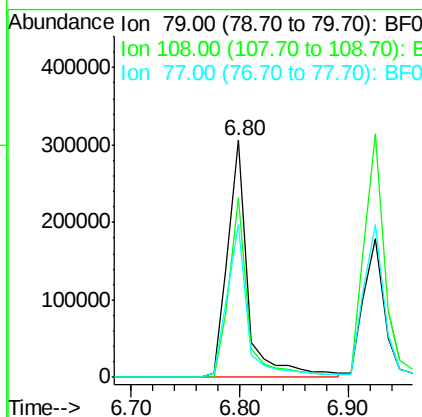
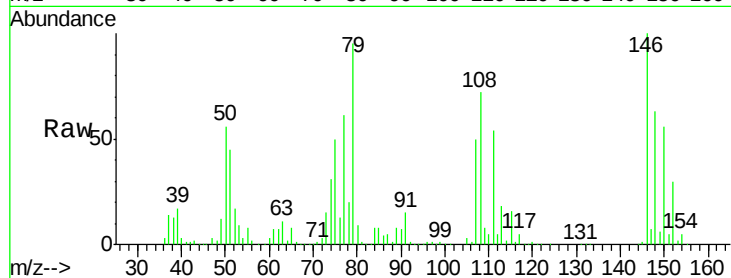
#15
Benzyl Alcohol
Concen: 47.91 ng
RT: 6.80 min Scan# 456
Delta R.T. 0.00 min
Lab File: BF086909.D
Acq: 12 May 2016 1:27

Instrument :
BNA_F
ClientSampleId :
E-19(11.5-12)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
79	100	394799		
108	75.8	68.4	102.6	
77	64.5	50.6	76.0	

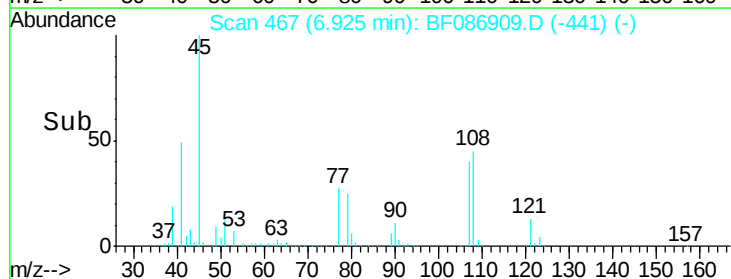
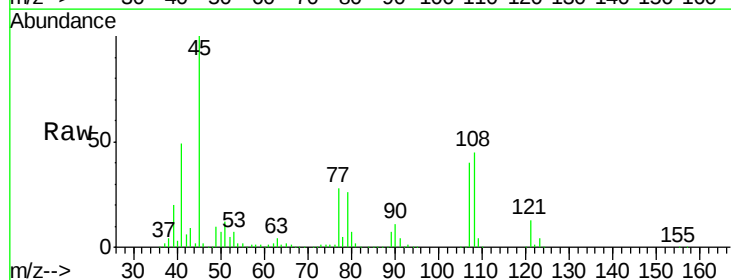
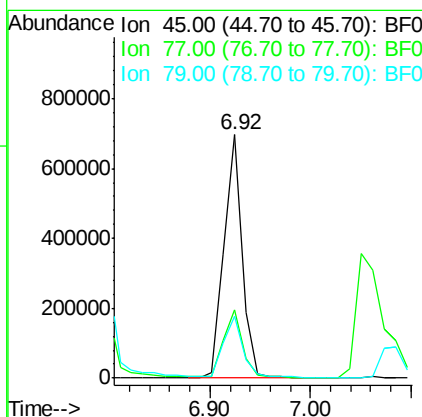
Manual Integrations
APPROVED

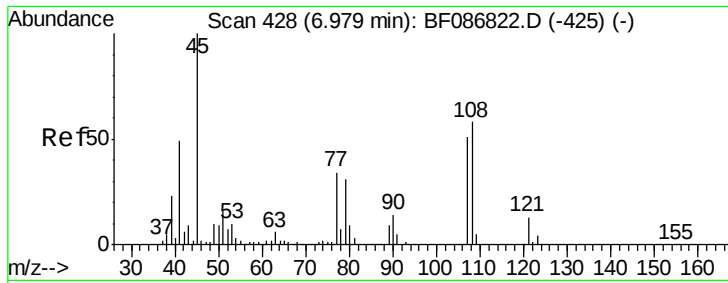
umangi
5/12/2016 9:10:07 AM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.56 ng
RT: 6.92 min Scan# 467
Delta R.T. 0.00 min
Lab File: BF086909.D
Acq: 12 May 2016 1:27

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	879109		
77	28.3	0.0	36.4	
79	25.6	0.0	33.4	





#17

2-Methylphenol

Concen: 41.91 ng

RT: 6.92 min Scan# 467

Delta R.T. 0.00 min

Lab File: BF086909.D

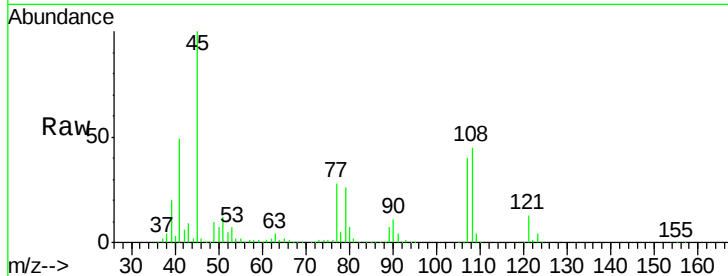
Acq: 12 May 2016 1:27

Instrument :

BNA_F

ClientSampleId :

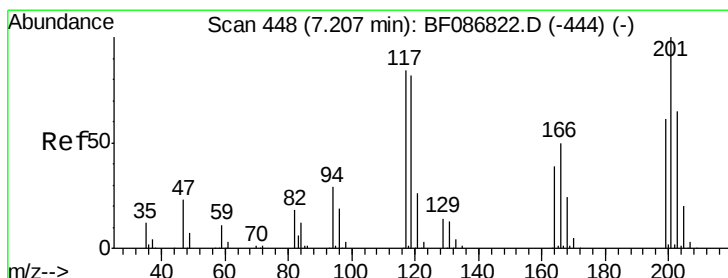
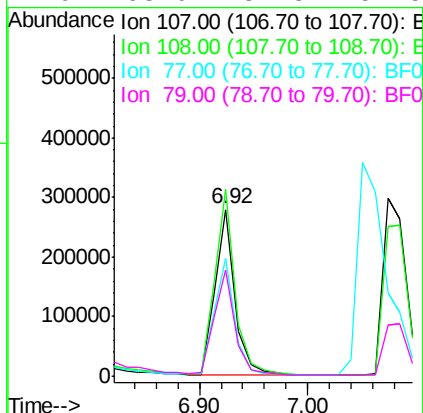
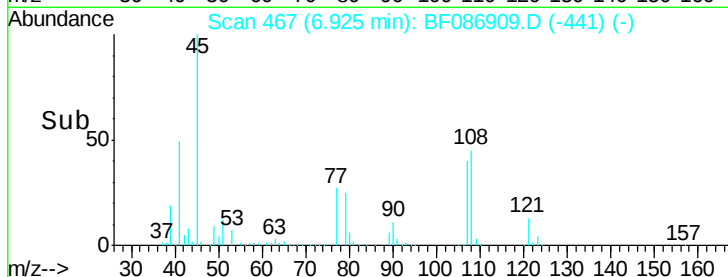
E-19(11.5-12)MSD



Tgt Ion	Ratio	Resp	Lower	Upper
107	100	359313		
108	112.6	93.7	140.5	
77	70.6	33.4	50.0	
79	63.9	34.3	51.5	

Manual Integrations
APPROVED

umangi
5/12/2016 9:10:07 AM



#18

Hexachloroethane

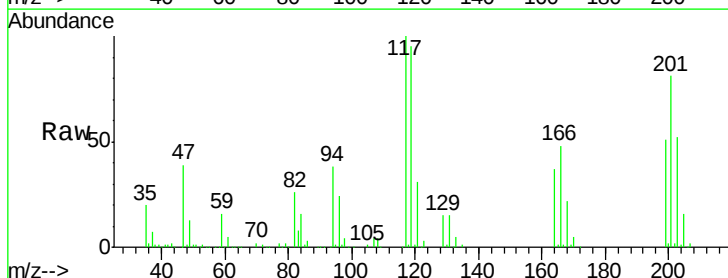
Concen: 38.58 ng

RT: 7.14 min Scan# 486

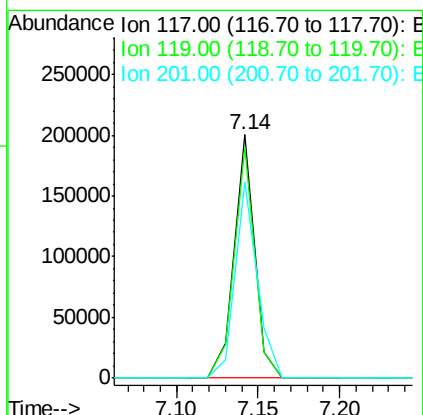
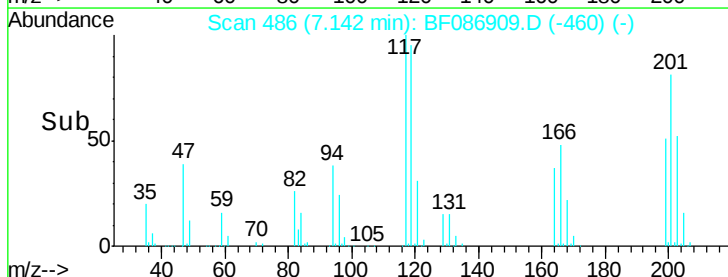
Delta R.T. 0.00 min

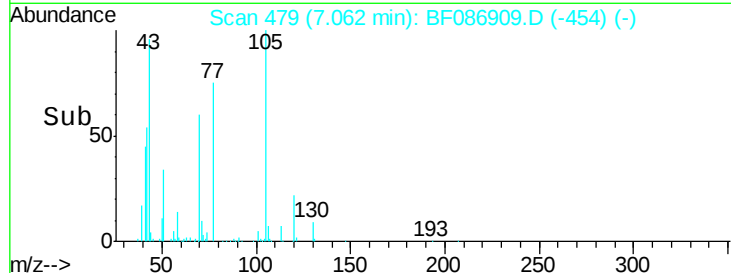
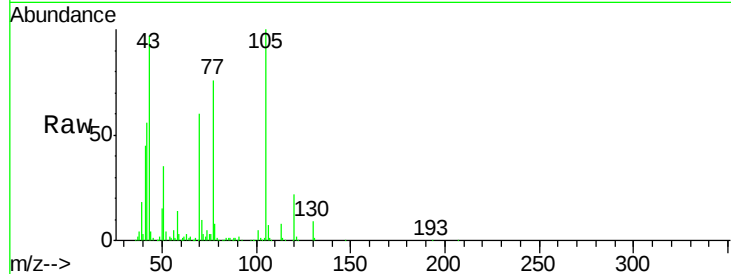
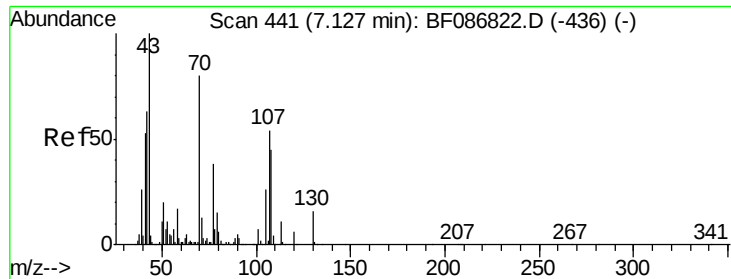
Lab File: BF086909.D

Acq: 12 May 2016 1:27



Tgt Ion	Ratio	Resp	Lower	Upper
117	100	172593		
119	94.9	76.5	114.7	
201	80.8	63.0	94.6	





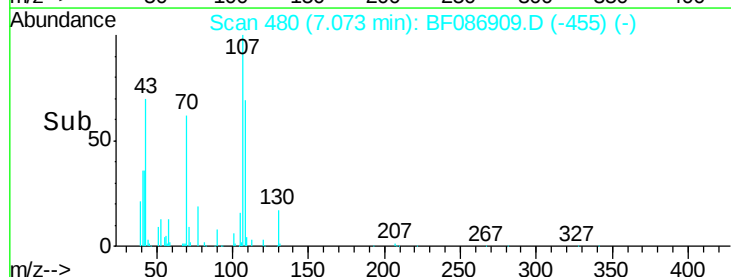
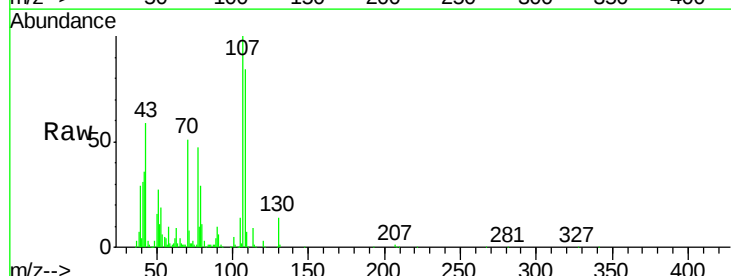
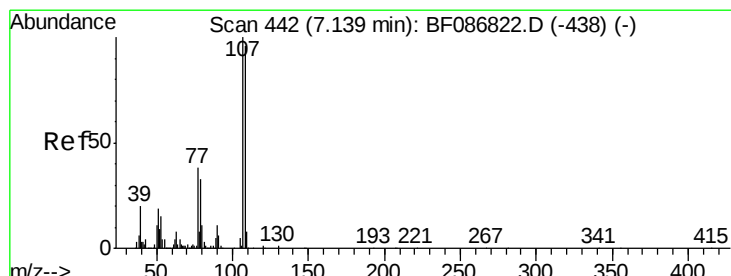
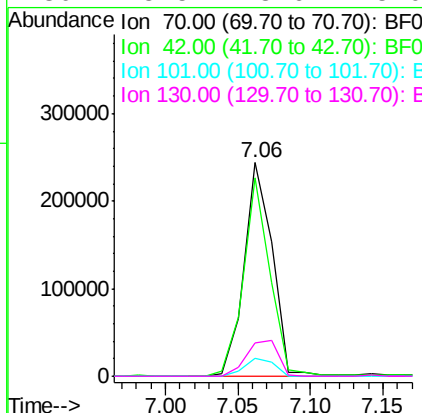
#19
n-Nitroso-di-n-propylamine
Concen: 39.38 ng
RT: 7.06 min Scan# 479
Delta R.T. -0.01 min
Lab File: BF086909.D
Acq: 12 May 2016 1:27

Instrument :
BNA_F
ClientSampleId :
E-19(11.5-12)MSD

Tgt Ion	Ratio	Lower	Upper
70	100		
42	92.8	43.1	64.7#
101	8.2	8.1	12.1
130	15.5	18.6	28.0#

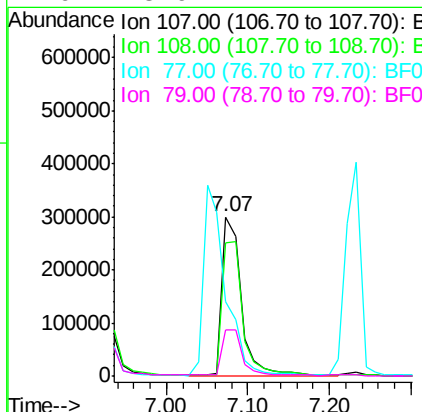
Manual Integrations
APPROVED

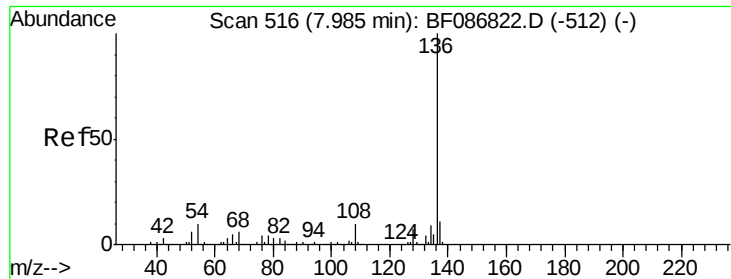
umangi
5/12/2016 9:10:07 AM



#20
3+4-Methylphenols
Concen: 43.38 ng
RT: 7.07 min Scan# 480
Delta R.T. -0.01 min
Lab File: BF086909.D
Acq: 12 May 2016 1:27

Tgt Ion	Ratio	Lower	Upper
107	100		
108	84.0	68.5	108.5
77	46.9	101.6	141.6#
79	28.9	7.4	47.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 554

Delta R.T. 0.00 min

Lab File: BF086909.D

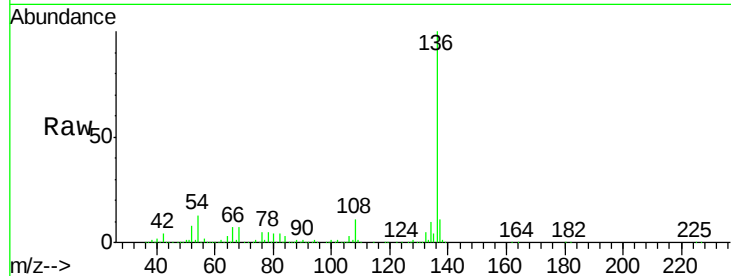
Acq: 12 May 2016 1:27

Instrument :

BNA_F

ClientSampleId :

E-19(11.5-12)MSD



Tgt Ion:136 Resp: 602815

Ion Ratio Lower Upper

136 100

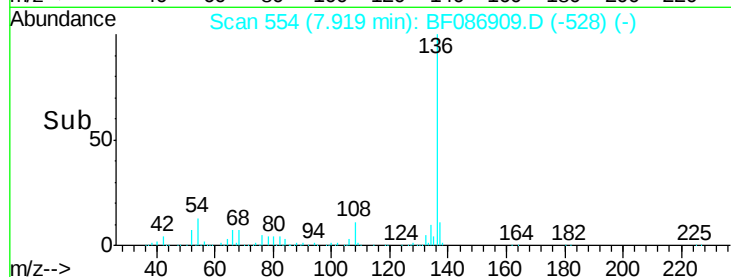
137 11.3 8.8 13.2

54 13.4 5.0 7.4#

68 7.2 4.4 6.6#

Manual Integrations
APPROVED

umangi
5/12/2016 9:10:07 AM

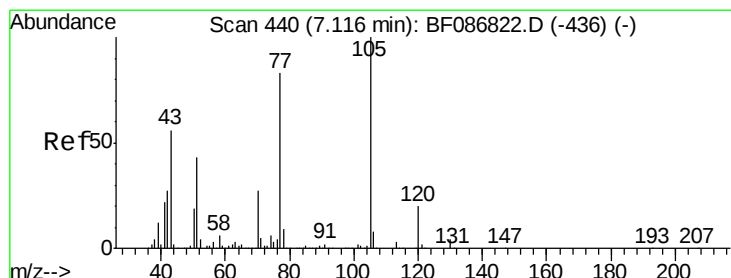
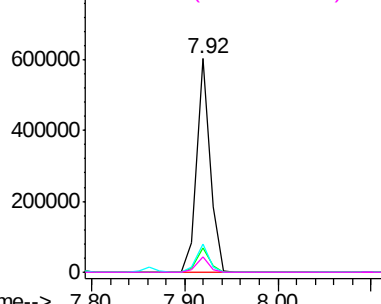


Abundance Ion 136.00 (135.70 to 136.70): E

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: 44.62 ng

RT: 7.05 min Scan# 478

Delta R.T. -0.01 min

Lab File: BF086909.D

Acq: 12 May 2016 1:27

Tgt Ion:105 Resp: 635310

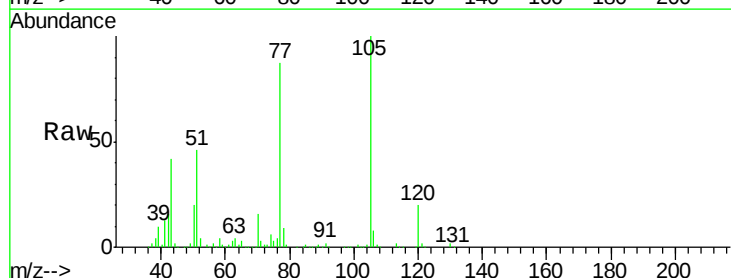
Ion Ratio Lower Upper

105 100

71 2.7 4.8 7.2#

51 46.1 32.6 49.0

120 20.0 16.5 24.7

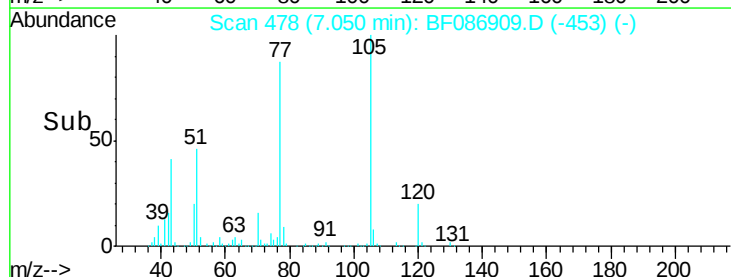
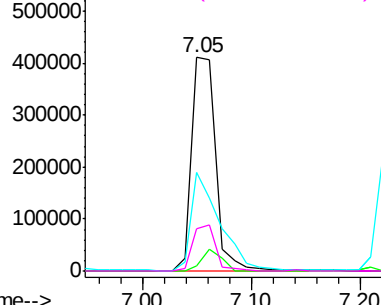


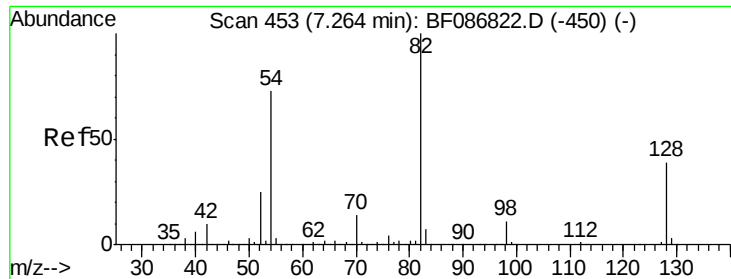
Abundance Ion 105.00 (104.70 to 105.70): E

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





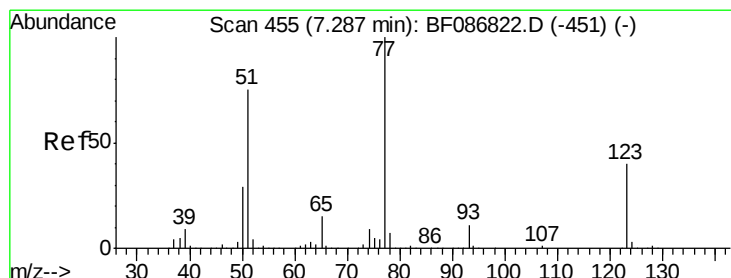
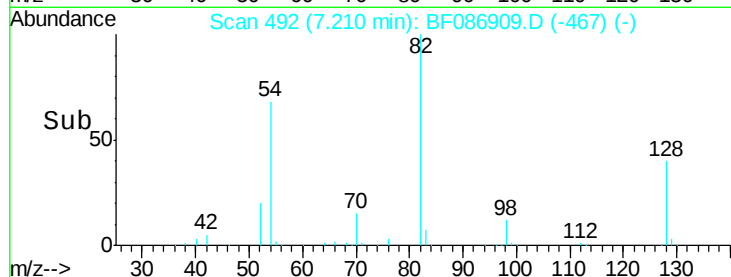
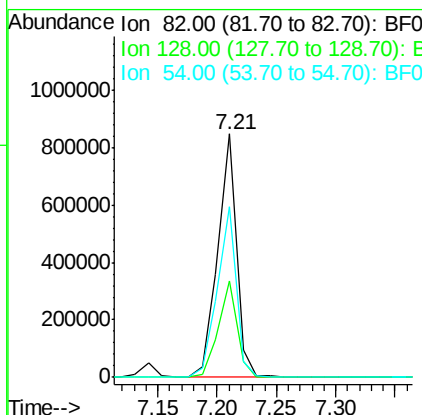
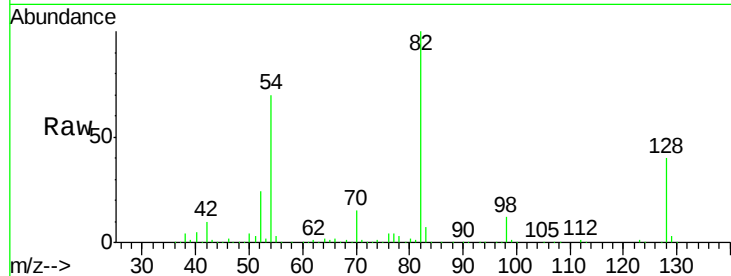
#23
 Nitrobenzene-d5
 Concen: 77.51 ng
 RT: 7.21 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: BF086909.D
 Acq: 12 May 2016 1:27

Instrument :
 BNA_F
 ClientSampleId :
 E-19(11.5-12)MSD

Tgt Ion:	82	Resp:	930561
Ion Ratio	Lower	Upper	
82	100		
128	39.7	40.6	61.0#
54	70.0	38.1	57.1#

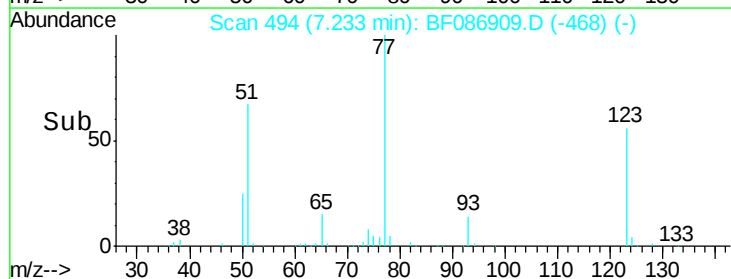
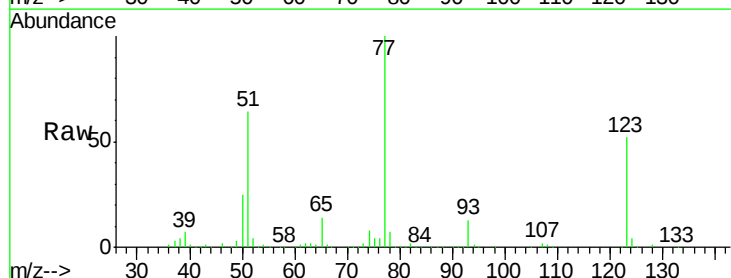
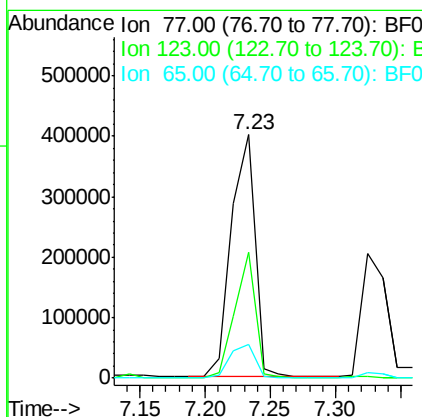
Manual Integrations
 APPROVED

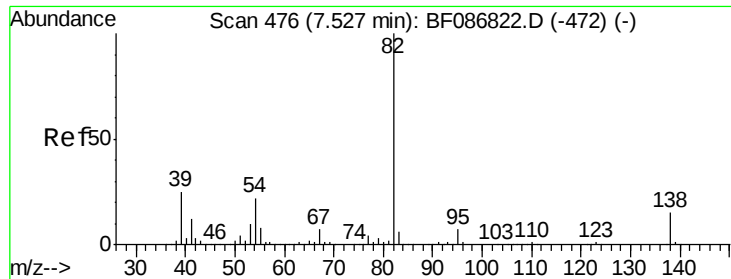
umangi
 5/12/2016 9:10:07 AM



#24
 Nitrobenzene
 Concen: 41.13 ng
 RT: 7.23 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: BF086909.D
 Acq: 12 May 2016 1:27

Tgt Ion:	77	Resp:	507896
Ion Ratio	Lower	Upper	
77	100		
123	51.6	33.0	49.4#
65	14.1	10.8	16.2





#25

Isophorone

Concen: 40.58 ng

RT: 7.47 min Scan# 515

Delta R.T. 0.00 min

Lab File: BF086909.D

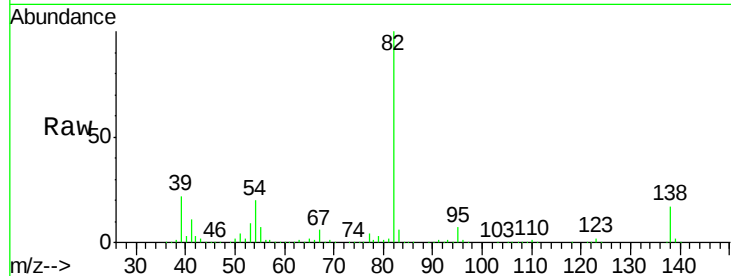
Acq: 12 May 2016 1:27

Instrument :

BNA_F

ClientSampleId :

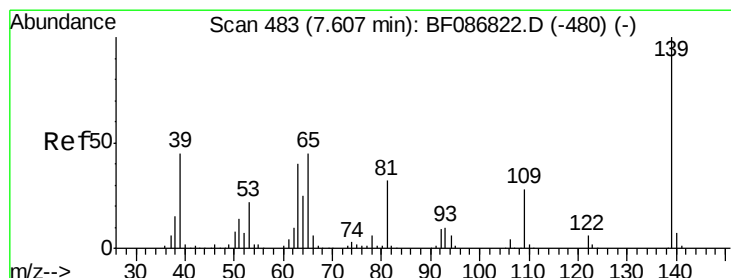
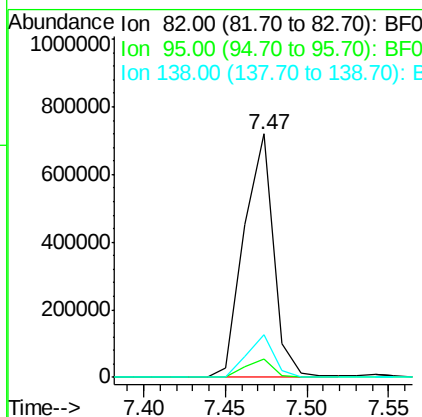
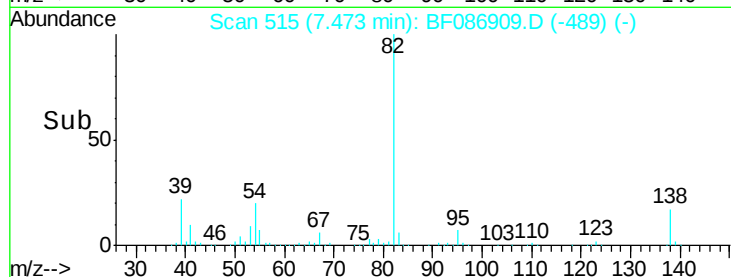
E-19(11.5-12)MSD



Tgt Ion	Ratio	Resp	Lower	Upper
82	100	903857		
95	7.3	5.1	7.7	
138	17.4	12.4	18.6	

Manual Integrations
APPROVED

umangi
5/12/2016 9:10:07 AM



#26

2-Nitrophenol

Concen: 40.37 ng

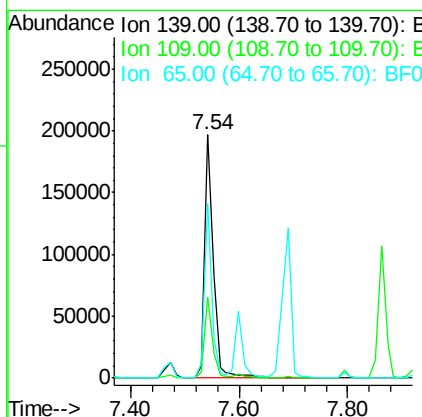
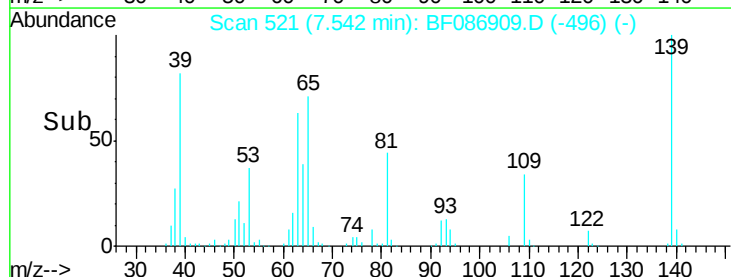
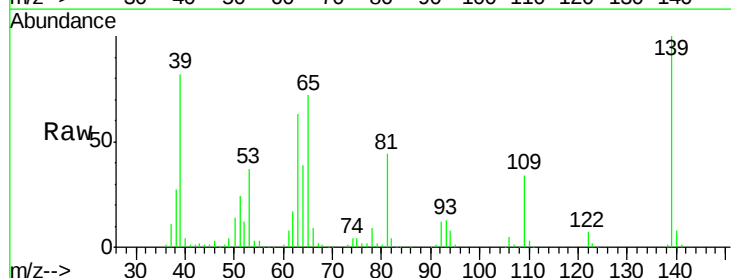
RT: 7.54 min Scan# 521

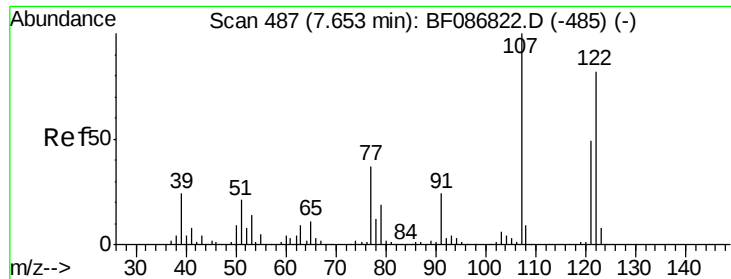
Delta R.T. -0.01 min

Lab File: BF086909.D

Acq: 12 May 2016 1:27

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	219135		
109	33.5	19.5	29.3#	
65	71.8	37.5	56.3#	





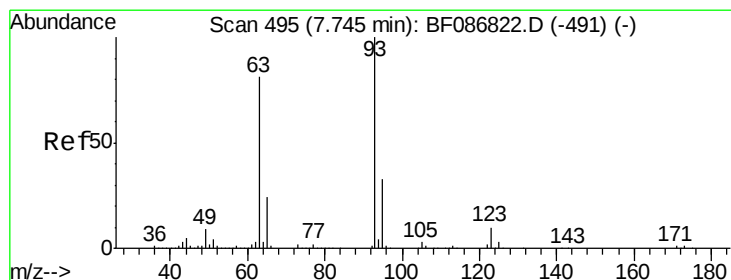
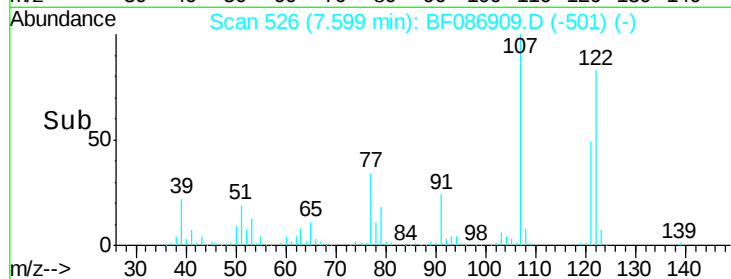
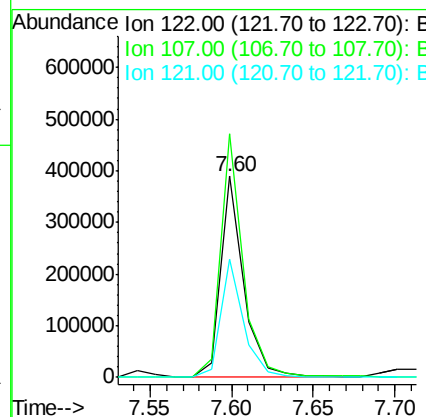
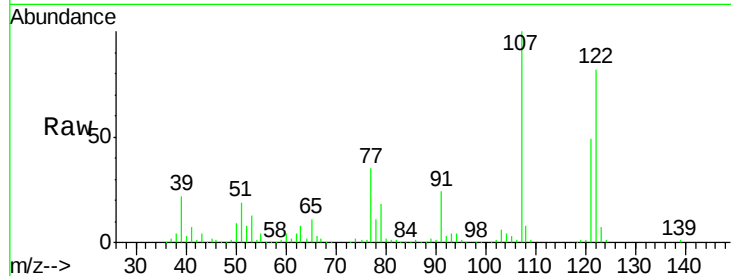
#27
 2,4-Dimethylphenol
 Concen: 41.01 ng
 RT: 7.60 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: BF086909.D
 Acq: 12 May 2016 1:27

Instrument :
 BNA_F
 ClientSampleId :
 E-19(11.5-12)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	379266		
107	121.2	82.0	123.0	
121	58.9	46.1	69.1	

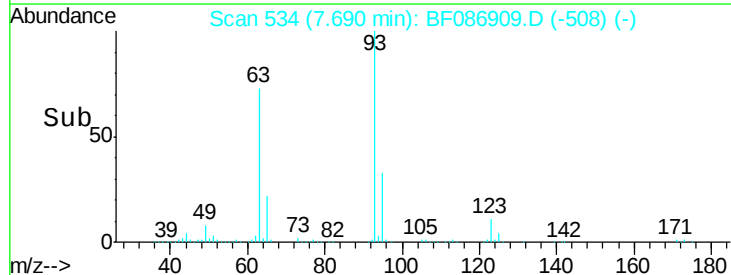
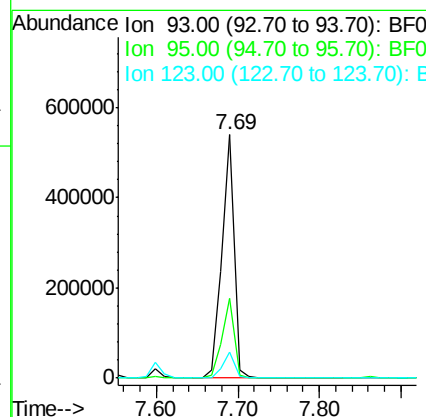
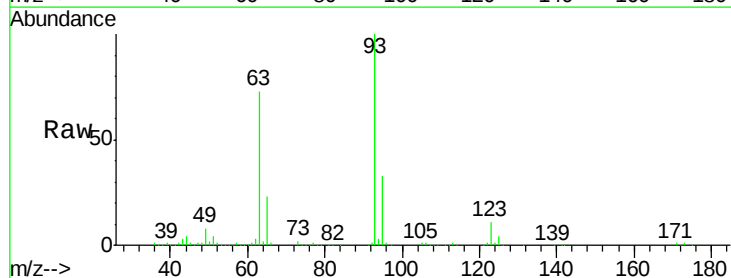
Manual Integrations
 APPROVED

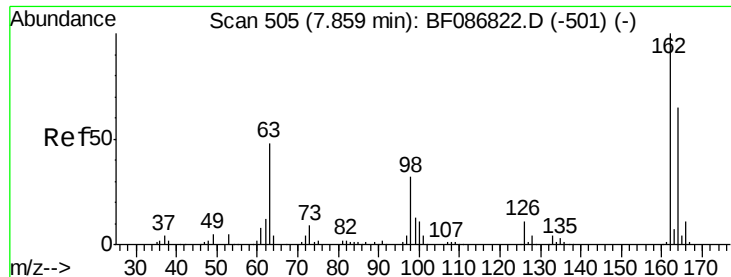
umangi
 5/12/2016 9:10:07 AM



#28
 bis(2-Chloroethoxy)methane
 Concen: 47.00 ng
 RT: 7.69 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: BF086909.D
 Acq: 12 May 2016 1:27

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	564742		
95	33.0	26.0	39.0	
123	10.9	9.5	14.3	





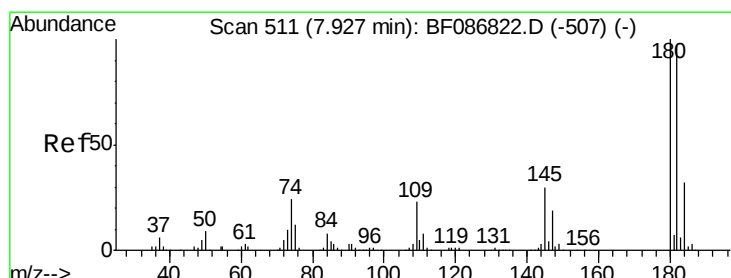
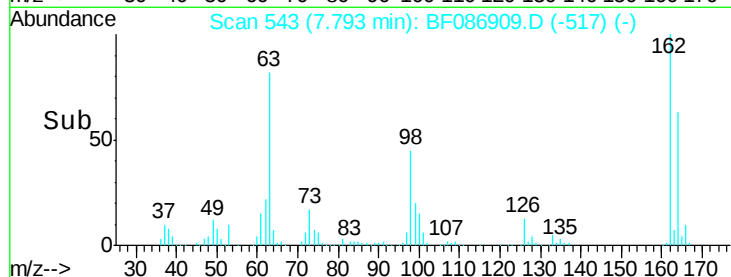
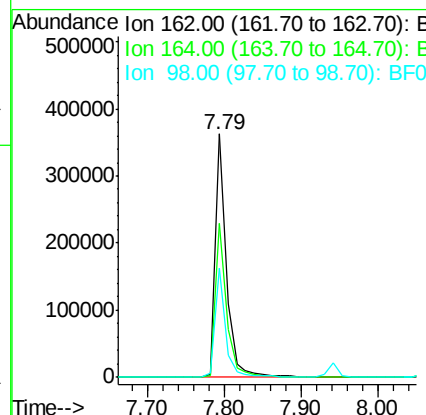
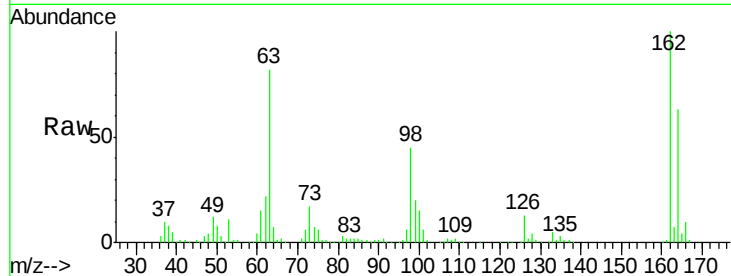
#29
2,4-Dichlorophenol
Concen: 44.73 ng
RT: 7.79 min Scan# 543
Delta R.T. 0.00 min
Lab File: BF086909.D
Acq: 12 May 2016 1:27

Instrument :
BNA_F
ClientSampleId :
E-19(11.5-12)MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	63.1	42.2	82.2
98	44.9	19.0	59.0

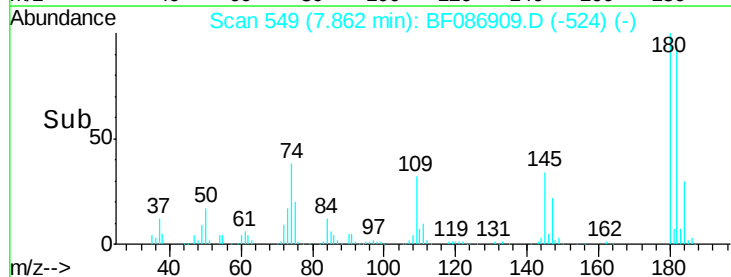
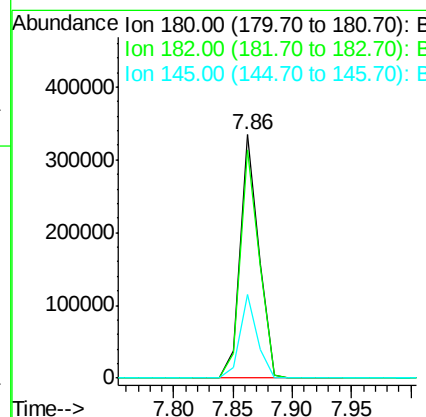
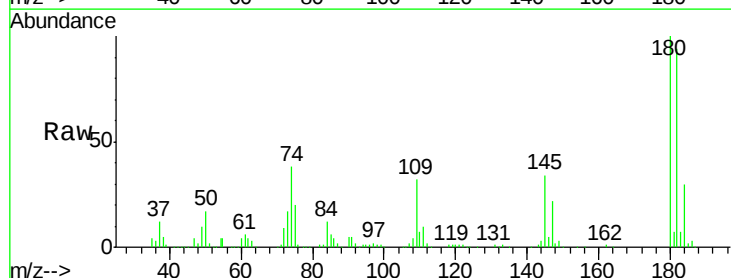
Manual Integrations
APPROVED

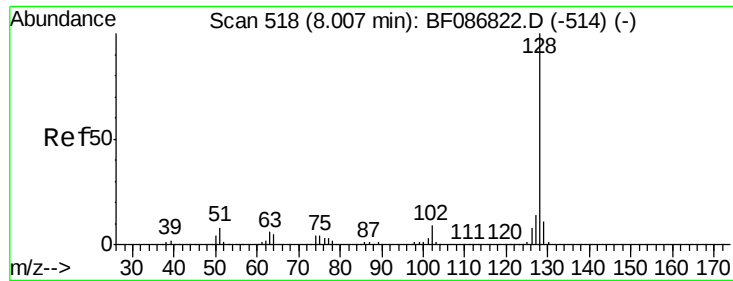
umangi
5/12/2016 9:10:07 AM



#30
1,2,4-Trichlorobenzene
Concen: 40.48 ng
RT: 7.86 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF086909.D
Acq: 12 May 2016 1:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	93.9	78.0	117.0
145	34.2	24.2	36.2





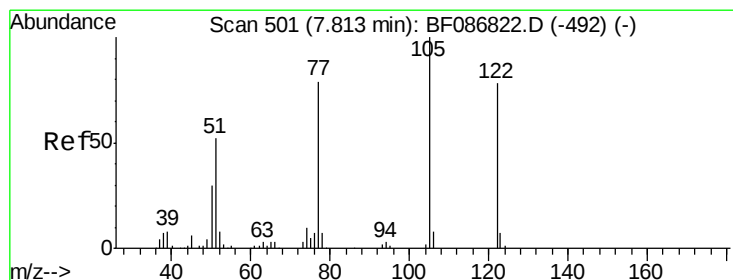
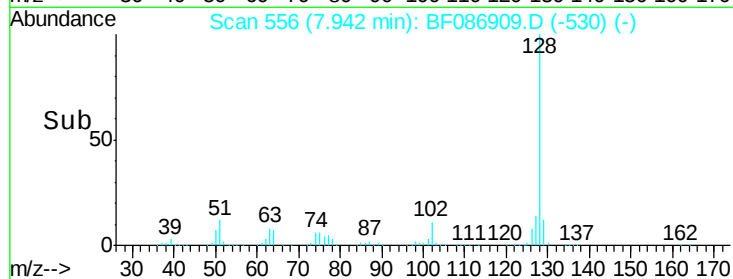
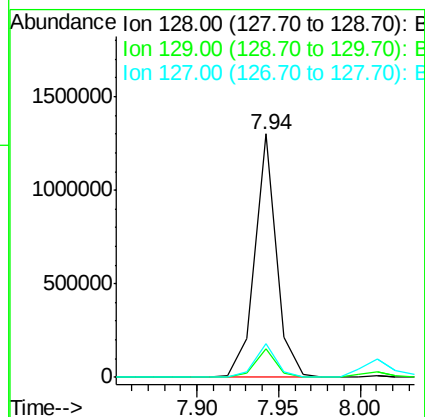
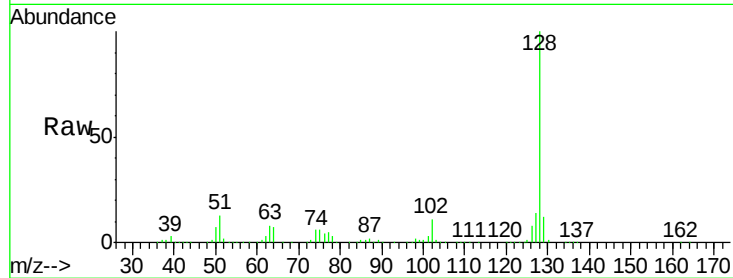
#31
Naphthalene
Concen: 39.79 ng
RT: 7.94 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF086909.D
Acq: 12 May 2016 1:27

Instrument :
BNA_F
ClientSampleId :
E-19(11.5-12)MSD

Tgt Ion:128 Resp: 1201461
Ion Ratio Lower Upper
128 100
129 11.6 8.6 13.0
127 13.7 10.8 16.2

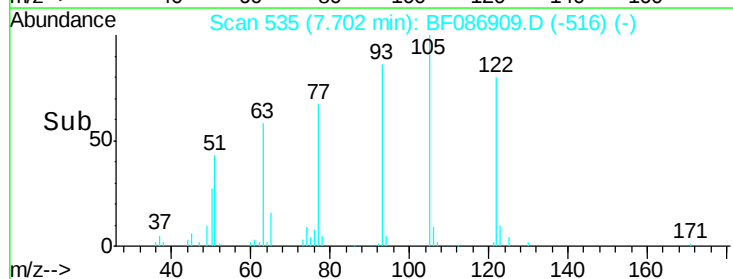
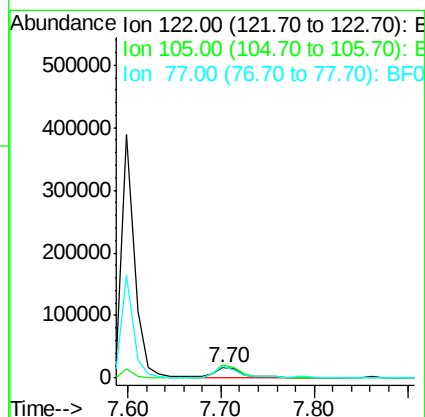
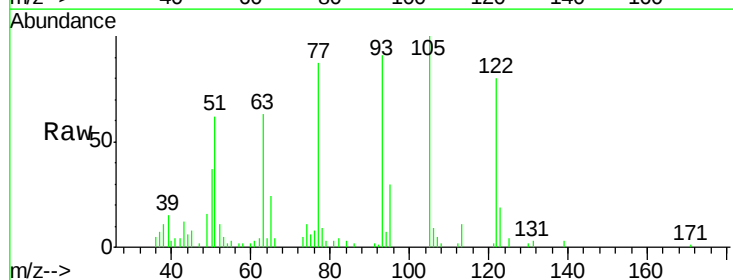
Manual Integrations
APPROVED

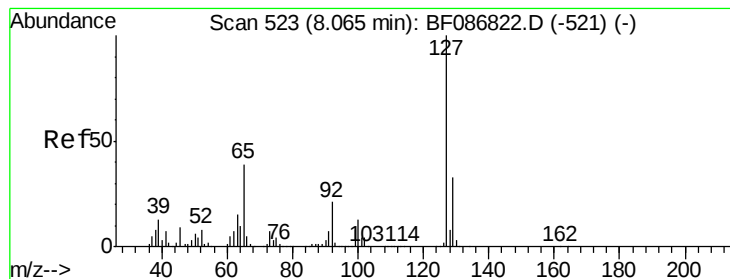
umangi
5/12/2016 9:10:07 AM



#32
Benzoic acid
Concen: 6.53 ng
RT: 7.70 min Scan# 535
Delta R.T. -0.08 min
Lab File: BF086909.D
Acq: 12 May 2016 1:27

Tgt Ion:122 Resp: 35447
Ion Ratio Lower Upper
122 100
105 124.3 92.6 132.6
77 108.7 60.0 100.0#





#33

4-Chloroaniline

Concen: 13.33 ng

RT: 8.01 min Scan# 562

Delta R.T. 0.00 min

Lab File: BF086909.D

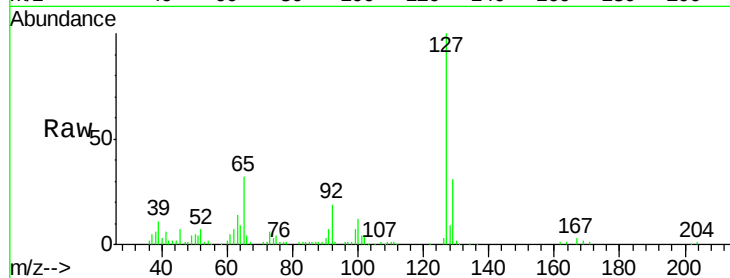
Acq: 12 May 2016 1:27

Instrument :

BNA_F

ClientSampleId :

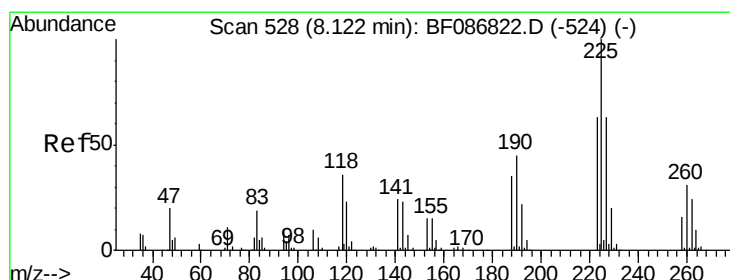
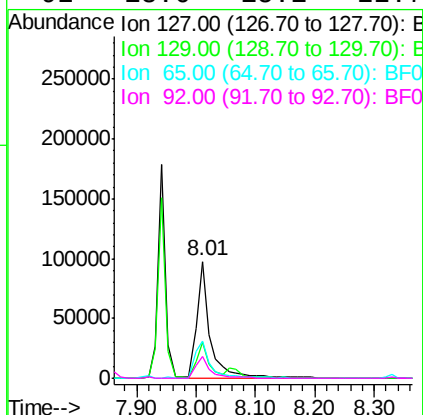
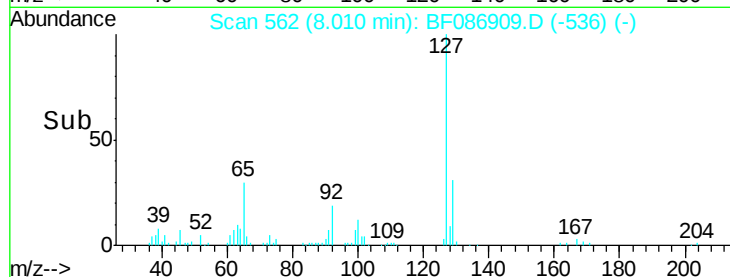
E-19(11.5-12)MSD



Tgt Ion	Ratio	Resp	Lower	Upper
127	100	156412		
129	31.3	26.2	39.4	
65	31.7	23.0	34.4	
92	18.6	15.1	22.7	

Manual Integrations
APPROVED

umangi
5/12/2016 9:10:07 AM



#34

Hexachlorobutadiene

Concen: 39.65 ng

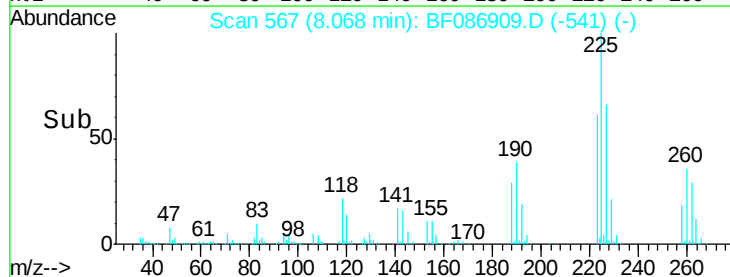
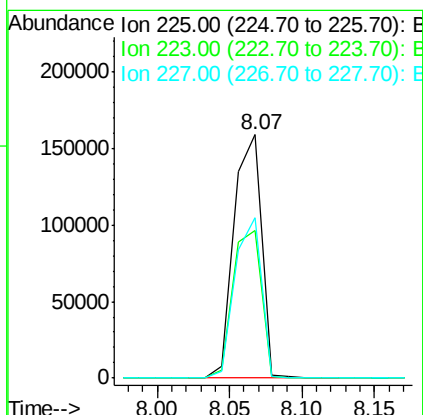
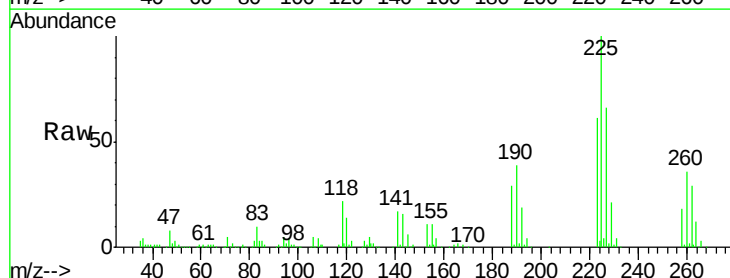
RT: 8.07 min Scan# 567

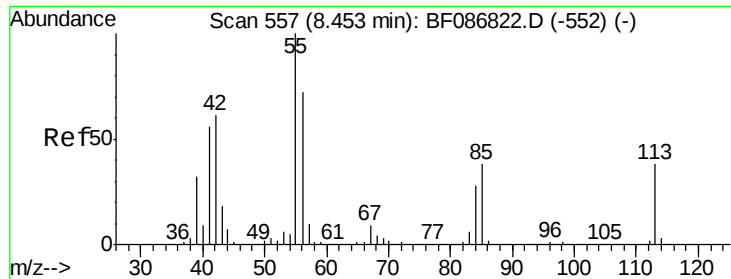
Delta R.T. 0.00 min

Lab File: BF086909.D

Acq: 12 May 2016 1:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	209356		
223	60.8	51.5	77.3	
227	65.9	52.2	78.2	





#35

Caprolactam

Concen: 39.52 ng m

RT: 8.39 min Scan# 595

Delta R.T. -0.02 min

Lab File: BF086909.D

Acq: 12 May 2016 1:27

Instrument :

BNA_F

ClientSampleId :

E-19(11.5-12)MSD

Tgt Ion:113 Resp: 109430
Ion Ratio Lower Upper

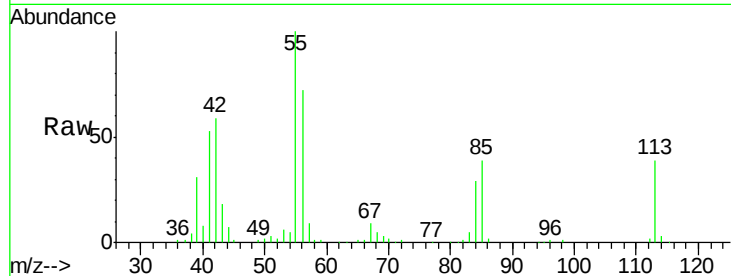
113 100

55 254.7 162.0 202.0#

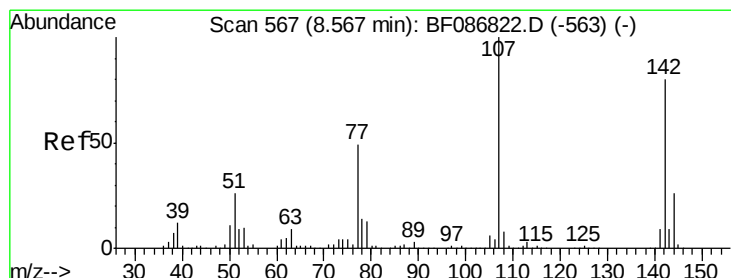
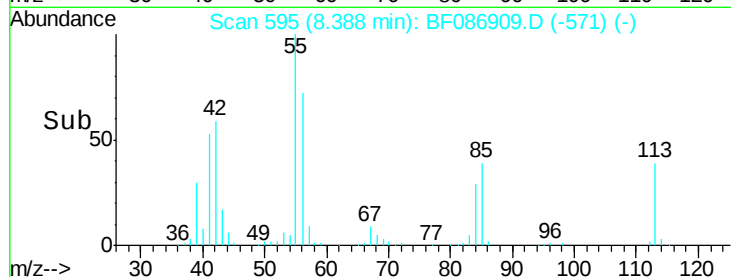
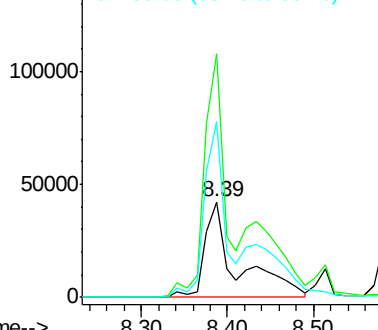
56 183.7 115.3 155.3#

Manual Integrations
APPROVED

umangi
5/12/2016 9:10:07 AM



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



#36

4-Chloro-3-methylphenol

Concen: 43.45 ng

RT: 8.51 min Scan# 606

Delta R.T. 0.00 min

Lab File: BF086909.D

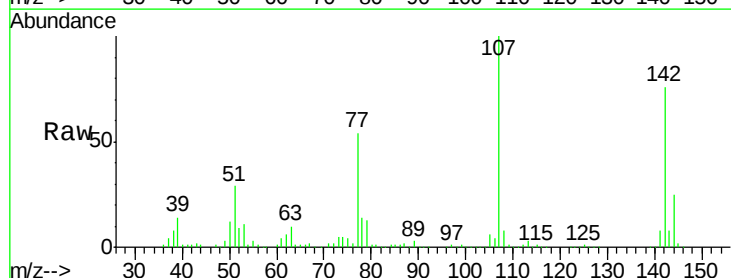
Acq: 12 May 2016 1:27

Tgt Ion:107 Resp: 428856
Ion Ratio Lower Upper

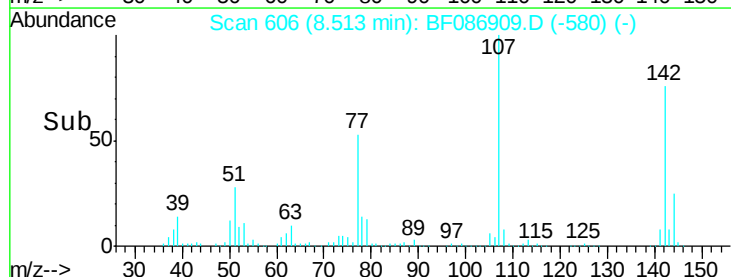
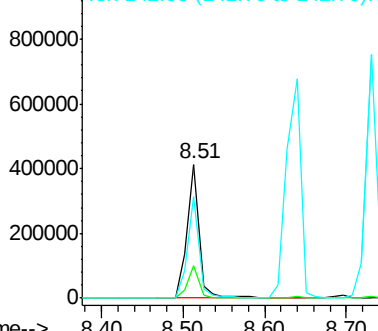
107 100

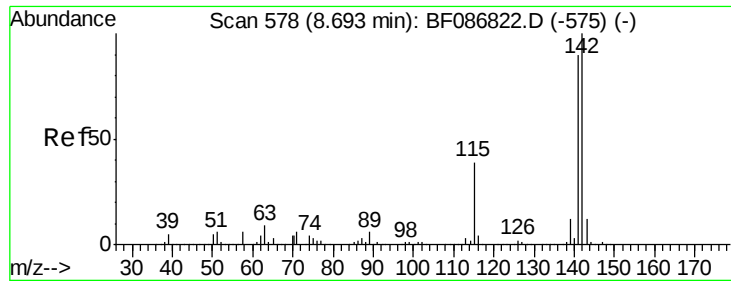
144 24.5 20.7 31.1

142 75.8 63.2 94.8



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





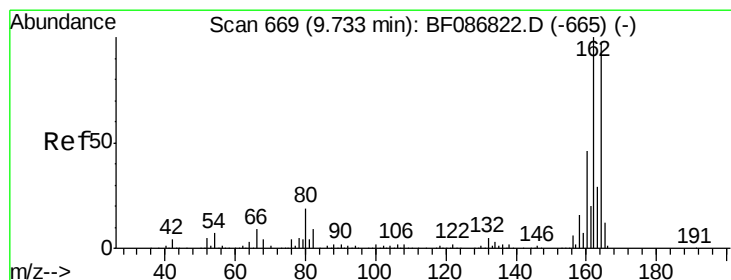
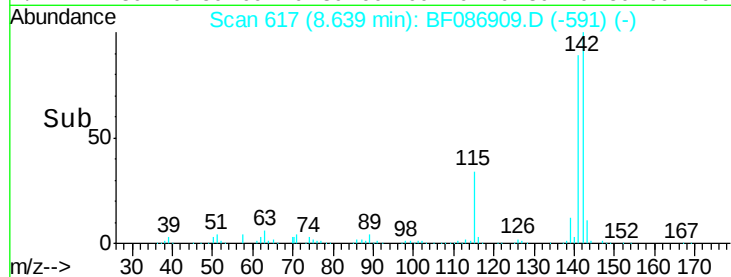
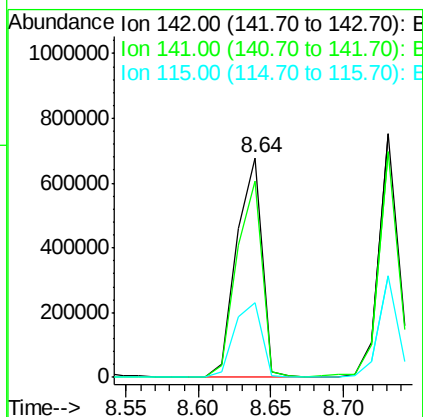
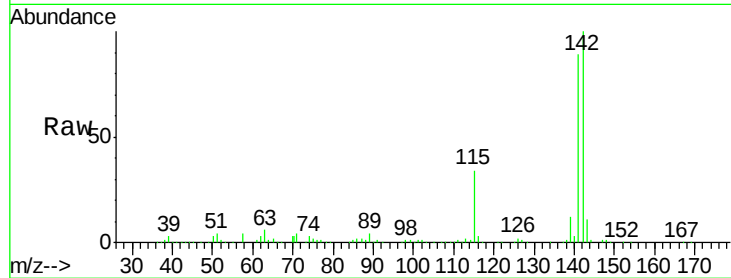
#37
2-Methylnaphthalene
Concen: 46.74 ng
RT: 8.64 min Scan# 617
Delta R.T. 0.00 min
Lab File: BF086909.D
Acq: 12 May 2016 1:27

Instrument :
BNA_F
ClientSampleId :
E-19(11.5-12)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	825123		
141	89.3	71.0	106.6	
115	33.8	26.6	39.8	

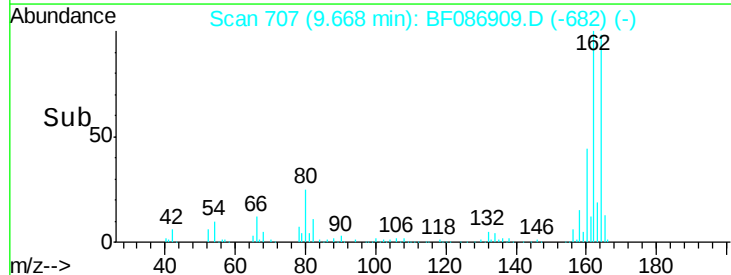
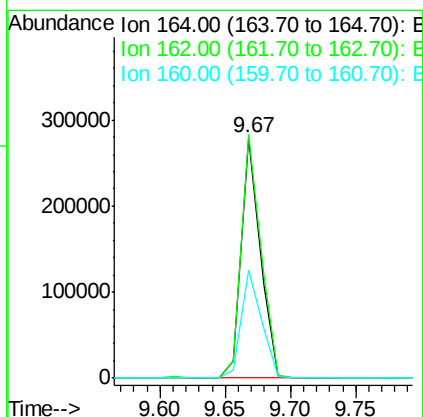
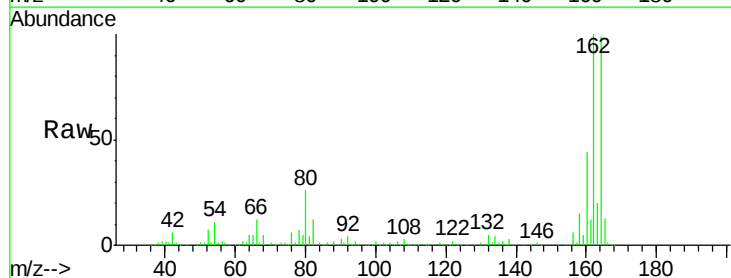
Manual Integrations
APPROVED

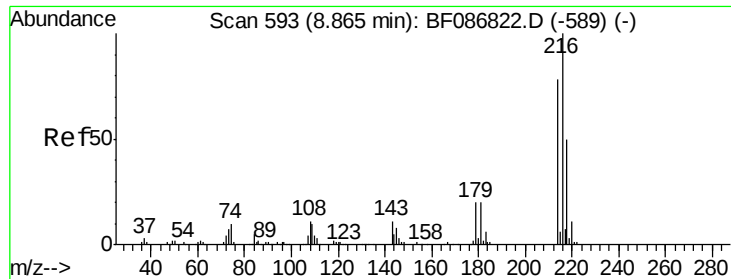
umangi
5/12/2016 9:10:07 AM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.67 min Scan# 707
Delta R.T. -0.01 min
Lab File: BF086909.D
Acq: 12 May 2016 1:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	281695		
162	101.4	82.8	124.2	
160	44.8	36.9	55.3	





#39

1,2,4,5-Tetrachlorobenzene

Concen: 39.09 ng

RT: 8.80 min Scan# 631

Delta R.T. 0.00 min

Lab File: BF086909.D

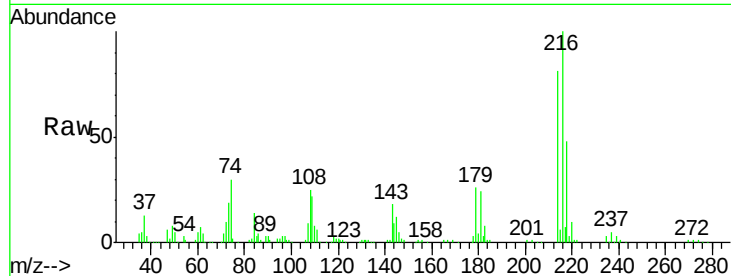
Acq: 12 May 2016 1:27

Instrument :

BNA_F

ClientSampleId :

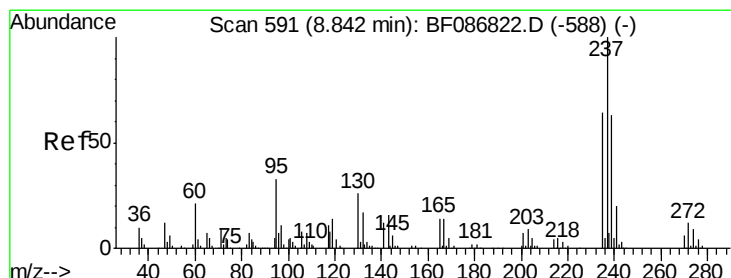
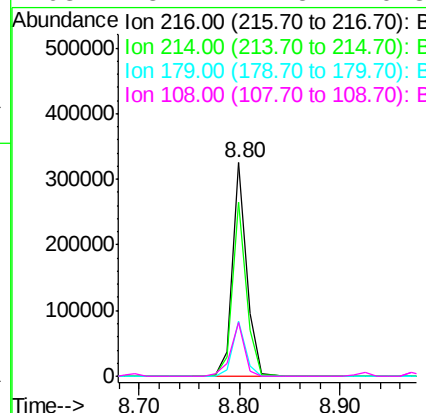
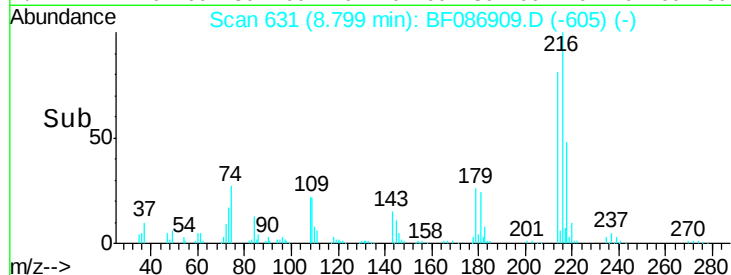
E-19(11.5-12)MSD



Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.5	62.6	93.8	
179	23.8	18.2	27.4	
108	25.2	17.5	26.3	

Manual Integrations
APPROVED

umangi
5/12/2016 9:10:07 AM



#40

Hexachlorocyclopentadiene

Concen: 54.05 ng

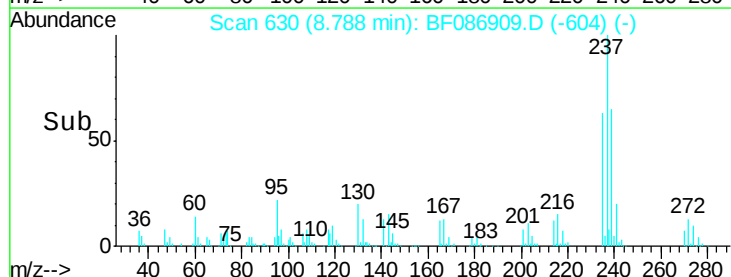
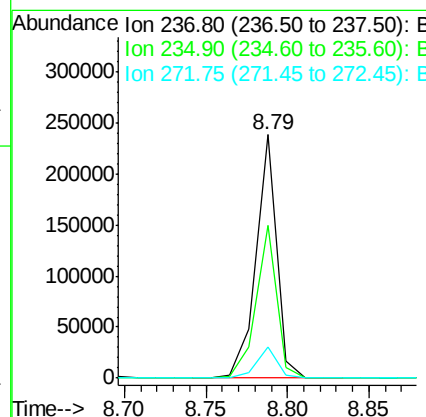
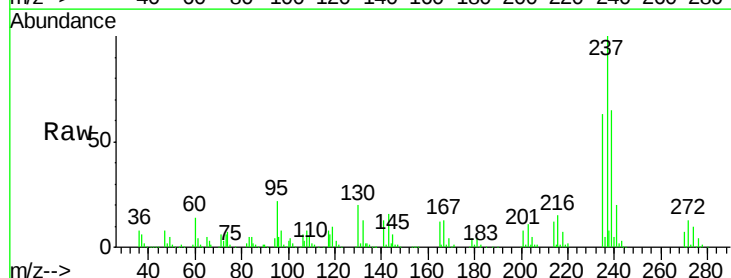
RT: 8.79 min Scan# 630

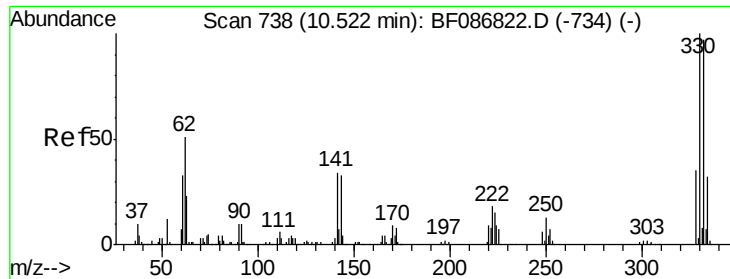
Delta R.T. 0.00 min

Lab File: BF086909.D

Acq: 12 May 2016 1:27

Tgt Ion	Ratio	Resp	Lower	Upper
237	100			
235	62.6	47.2	87.2	
272	12.6	0.0	31.1	





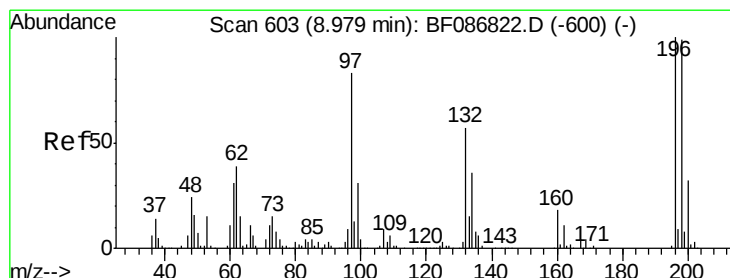
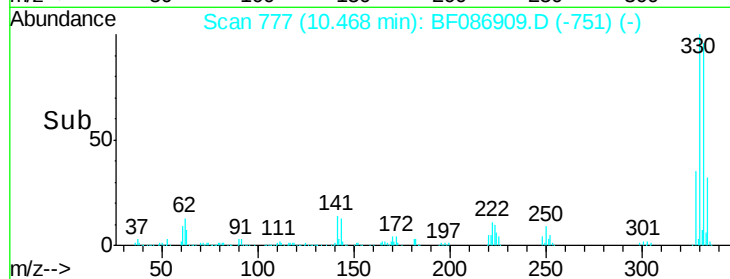
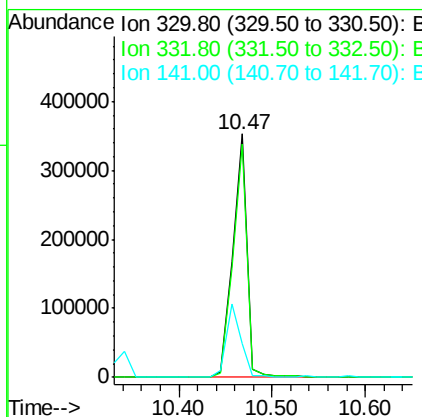
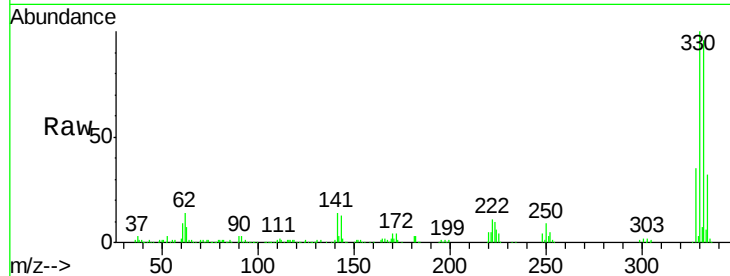
#41
 2,4,6-Tribromophenol
 Concen: 128.21 ng
 RT: 10.47 min Scan# 777
 Delta R.T. 0.00 min
 Lab File: BF086909.D
 Acq: 12 May 2016 1:27

Instrument :
 BNA_F
 ClientSampleId :
 E-19(11.5-12)MSD

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	95.6	79.0	118.4
141	31.1	31.2	46.8#

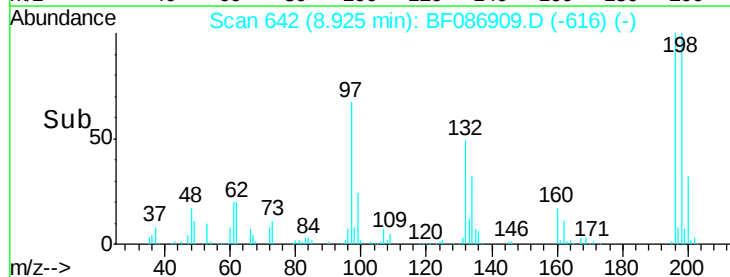
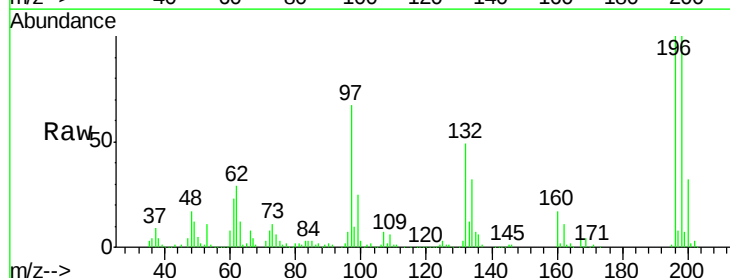
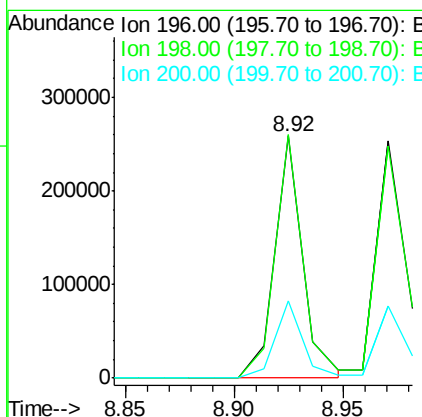
Manual Integrations
 APPROVED

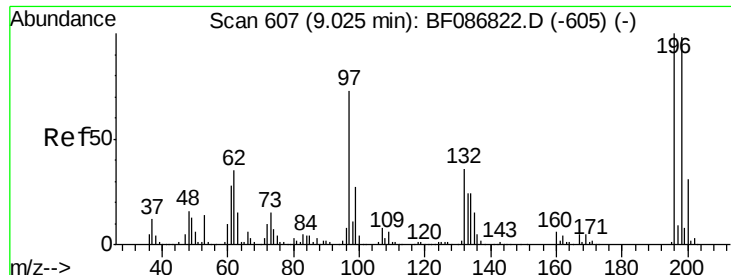
umangi
 5/12/2016 9:10:07 AM



#42
 2,4,6-Trichlorophenol
 Concen: 42.64 ng
 RT: 8.92 min Scan# 642
 Delta R.T. 0.00 min
 Lab File: BF086909.D
 Acq: 12 May 2016 1:27

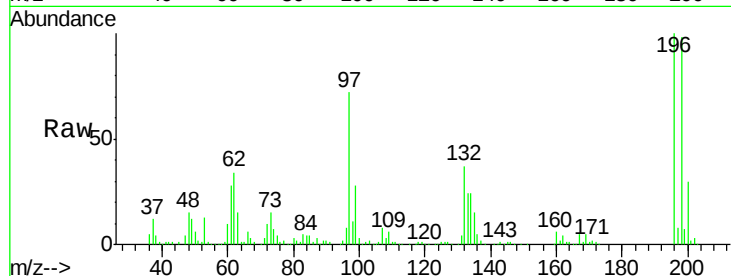
Tgt Ion	Ratio	Resp Lower	Upper
196	100		
198	100.5	74.7	112.1
200	31.7	23.8	35.6





#43
 2,4,5-Trichlorophenol
 Concen: 43.41 ng
 RT: 8.97 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: BF086909.D
 Acq: 12 May 2016 1:27

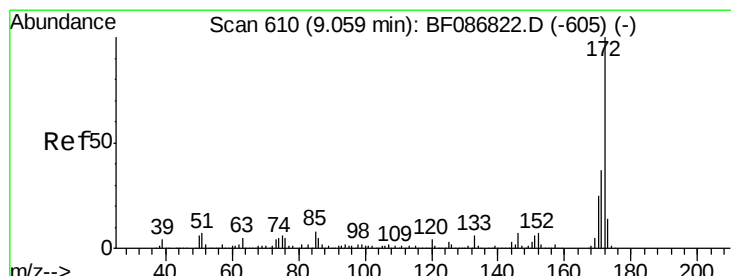
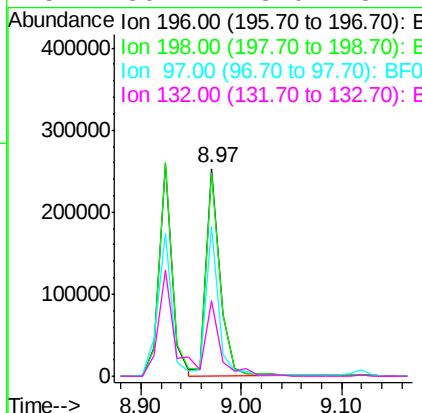
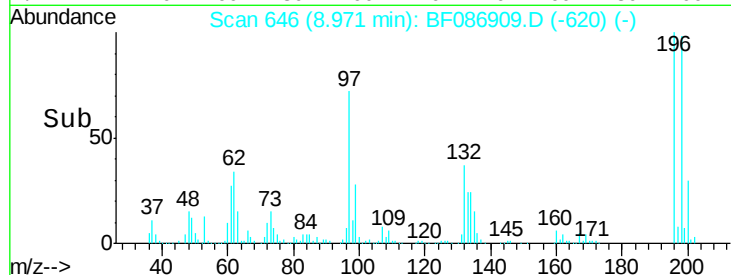
Instrument :
 BNA_F
 ClientSampleId :
 E-19(11.5-12)MSD



Tgt Ion	Ratio	Resp	Lower	Upper
196	100	245885		
198	97.8	77.5	116.3	
97	72.3	34.8	52.2#	
132	36.7	23.0	34.4#	

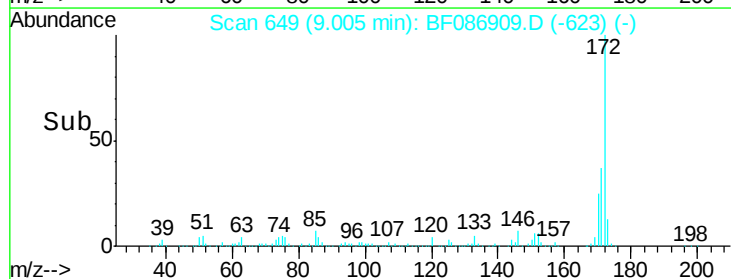
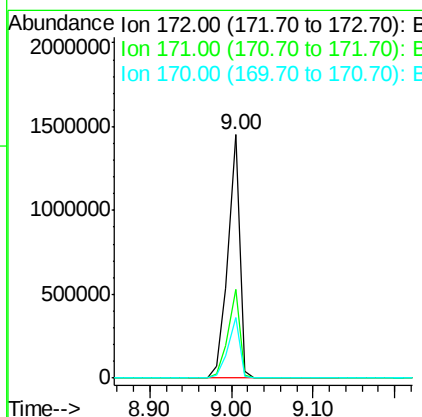
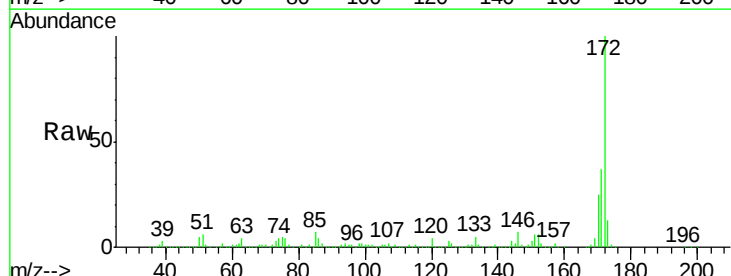
Manual Integrations
 APPROVED

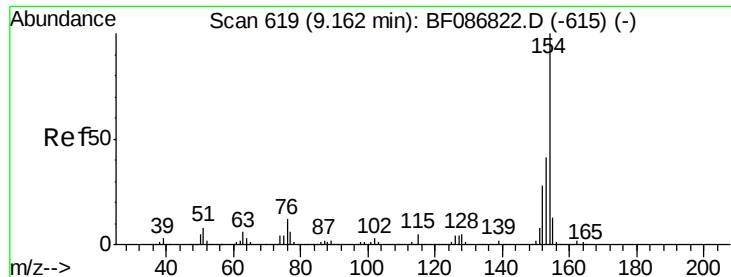
umangi
 5/12/2016 9:10:07 AM



#44
 2-Fluorobiphenyl
 Concen: 86.47 ng
 RT: 9.00 min Scan# 649
 Delta R.T. 0.00 min
 Lab File: BF086909.D
 Acq: 12 May 2016 1:27

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1449313		
171	36.6	29.0	43.6	
170	24.8	19.8	29.8	





#45

1,1'-Biphenyl

Concen: 41.58 ng

RT: 9.10 min Scan# 657

Delta R.T. -0.01 min

Lab File: BF086909.D

Acq: 12 May 2016 1:27

Instrument :

BNA_F

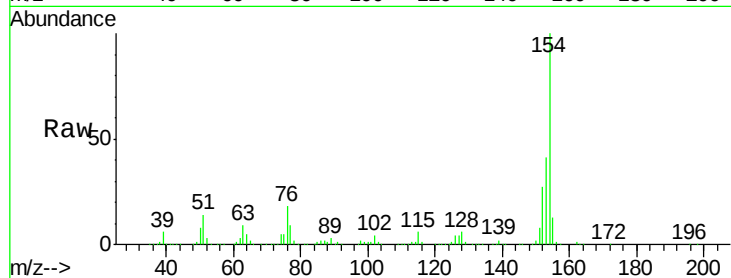
ClientSampleId :

E-19(11.5-12)MSD

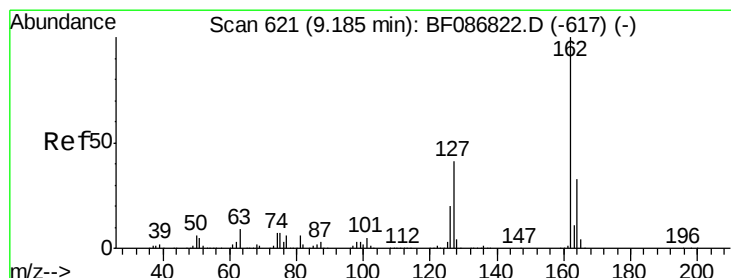
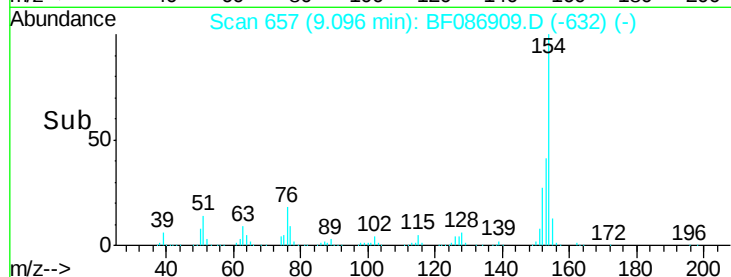
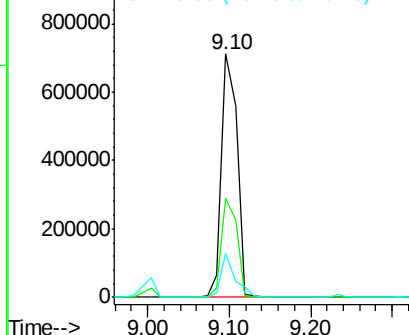
Tgt Ion:	154	Resp:	931610
Ion Ratio	Lower	Upper	
154	100		
153	40.8	20.3	60.3
76	17.8	0.0	30.2

Manual Integrations
APPROVED

umangi
5/12/2016 9:10:07 AM



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: 39.86 ng

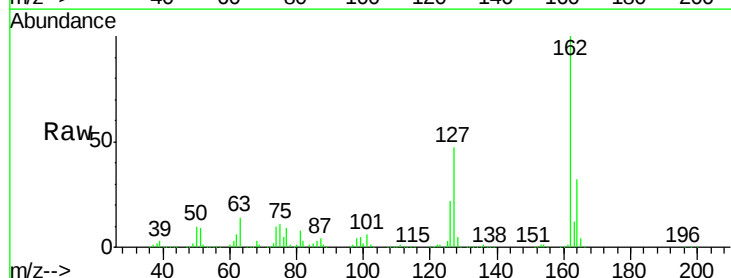
RT: 9.12 min Scan# 659

Delta R.T. -0.01 min

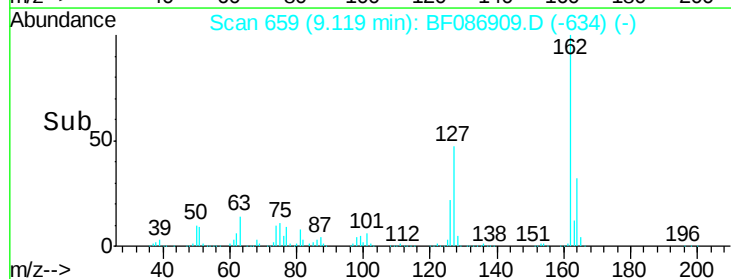
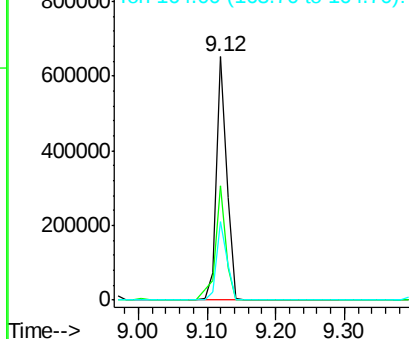
Lab File: BF086909.D

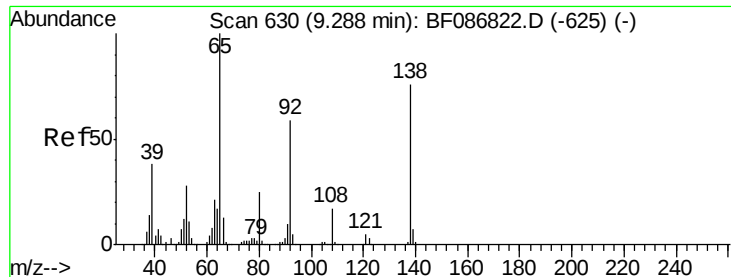
Acq: 12 May 2016 1:27

Tgt Ion:	162	Resp:	699675
Ion Ratio	Lower	Upper	
162	100		
127	47.2	31.8	47.6
164	32.4	27.0	40.6



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: 48.34 ng

RT: 9.23 min Scan# 669

Delta R.T. 0.00 min

Lab File: BF086909.D

Acq: 12 May 2016 1:27

Instrument :

BNA_F

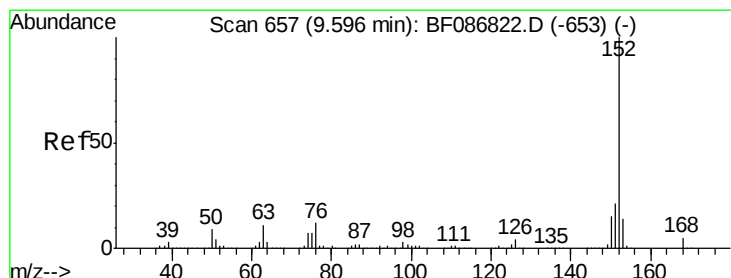
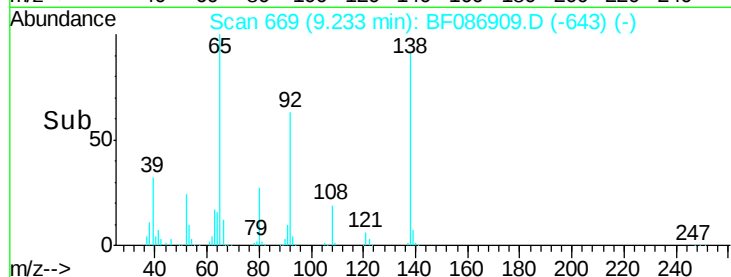
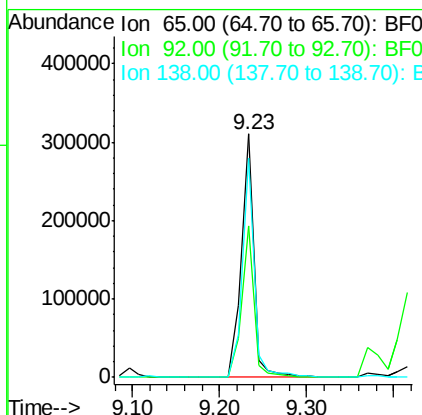
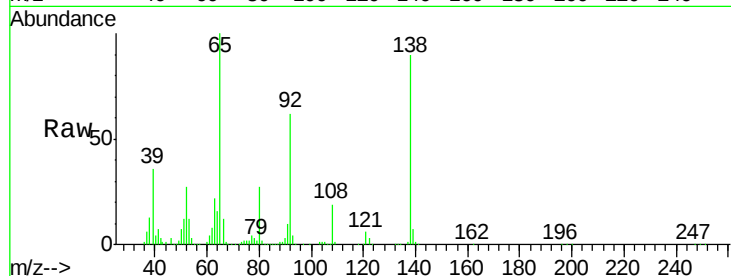
ClientSampleId :

E-19(11.5-12)MSD

Tgt Ion:	65	Resp:	310150
Ion Ratio	Lower	Upper	
65	100		
92	62.4	57.4	86.2
138	90.3	90.1	135.1

Manual Integrations
APPROVED

umangi
5/12/2016 9:10:07 AM



#48

Acenaphthylene

Concen: 42.08 ng

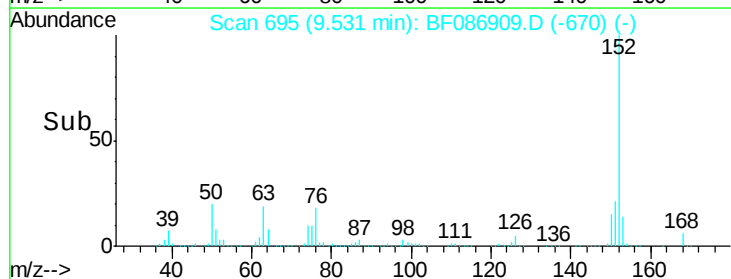
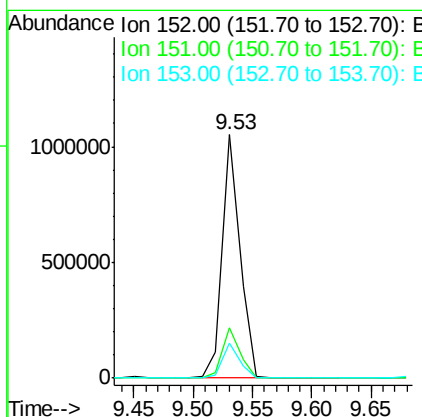
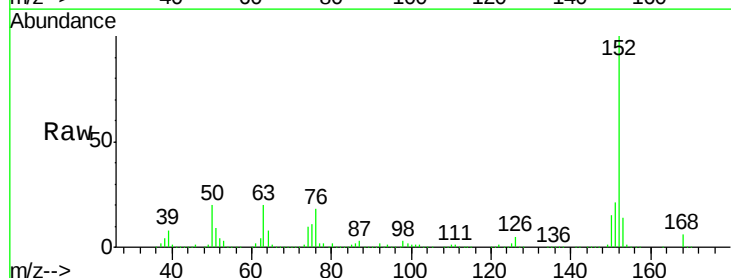
RT: 9.53 min Scan# 695

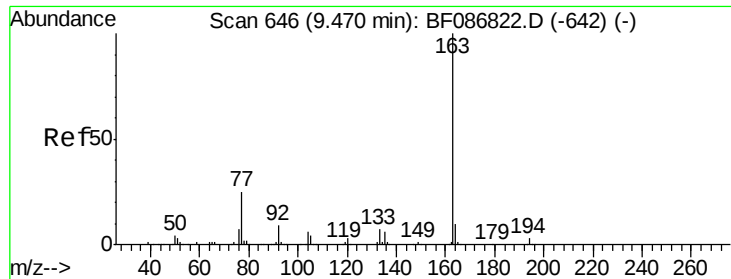
Delta R.T. -0.01 min

Lab File: BF086909.D

Acq: 12 May 2016 1:27

Tgt Ion:	152	Resp:	1086591
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.8	25.2
153	14.3	10.9	16.3





#49

Dimethylphthalate

Concen: 50.25 ng

RT: 9.42 min Scan# 685

Delta R.T. 0.00 min

Lab File: BF086909.D

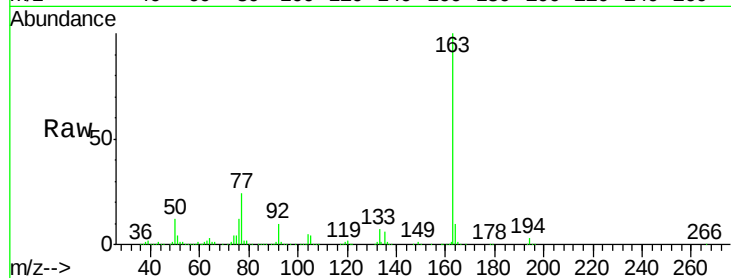
Acq: 12 May 2016 1:27

Instrument :

BNA_F

ClientSampleId :

E-19(11.5-12)MSD



Tgt Ion:163 Resp: 1080005

Ion Ratio Lower Upper

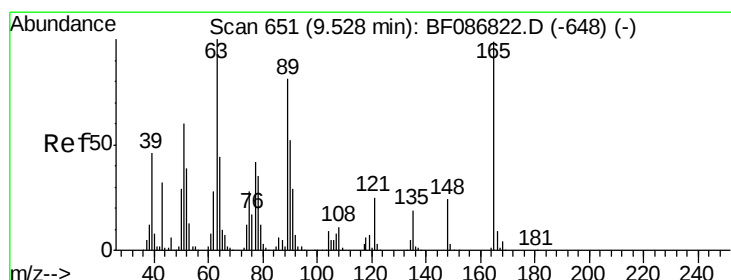
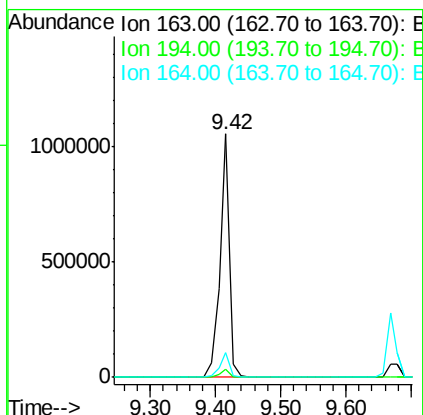
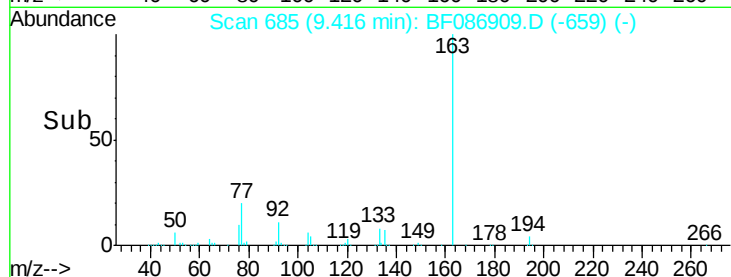
163 100

194 3.2 2.6 4.0

164 10.2 8.2 12.4

Manual Integrations
APPROVED

umangi
5/12/2016 9:10:07 AM



#50

2,6-Dinitrotoluene

Concen: 40.17 ng

RT: 9.47 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF086909.D

Acq: 12 May 2016 1:27

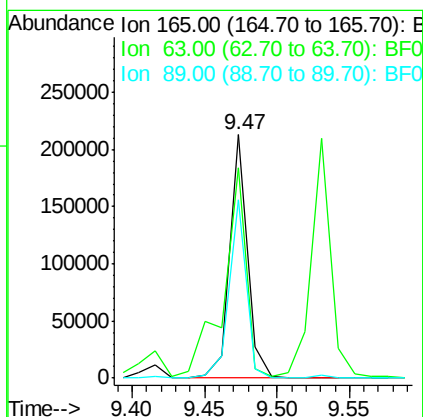
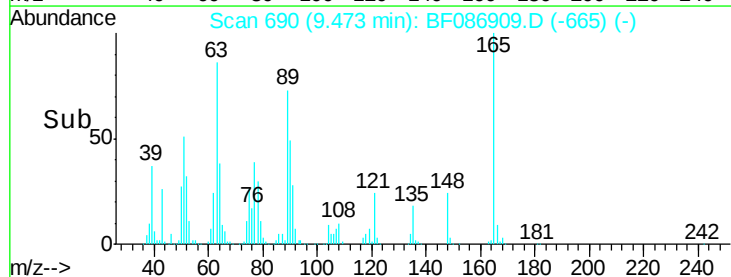
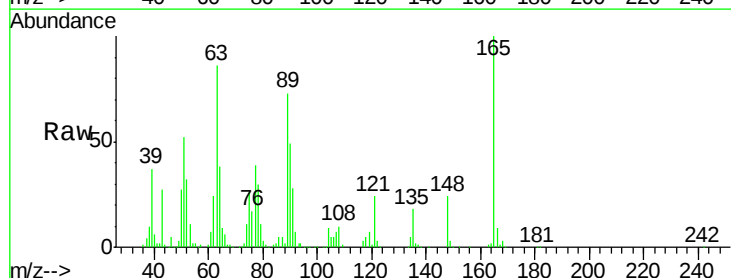
Tgt Ion:165 Resp: 181706

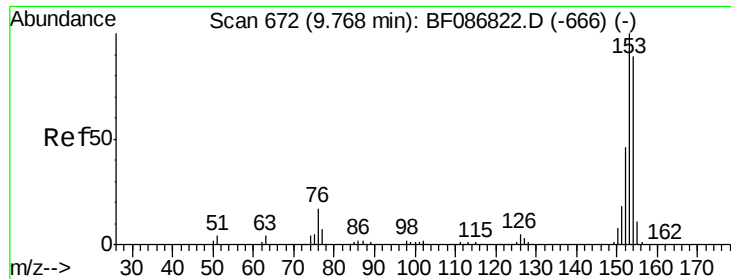
Ion Ratio Lower Upper

165 100

63 86.1 51.8 77.8#

89 73.3 50.7 76.1





#51

Acenaphthene

Concen: 40.06 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.01 min

Lab File: BF086909.D

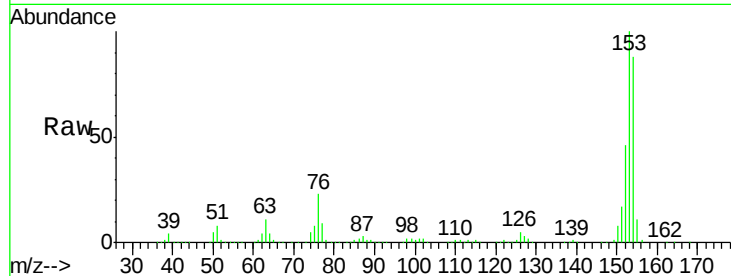
Acq: 12 May 2016 1:27

Instrument :

BNA_F

ClientSampleId :

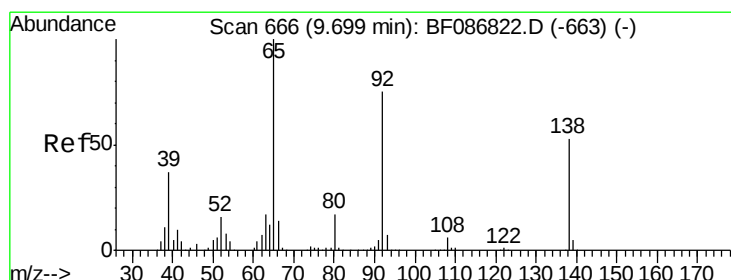
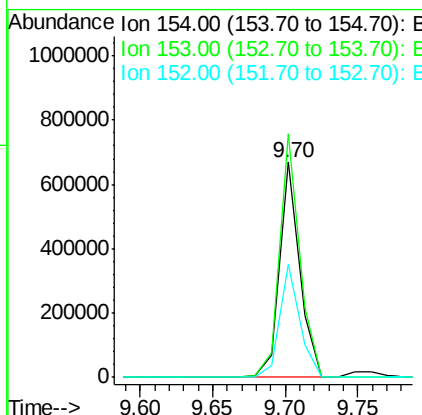
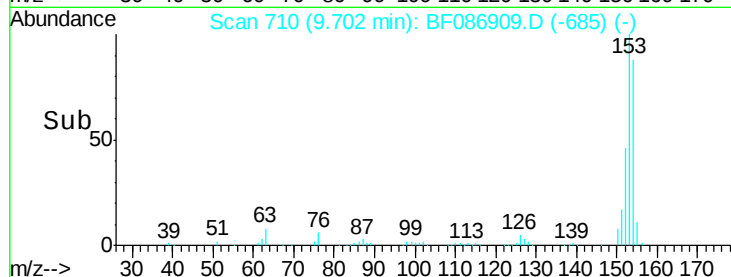
E-19(11.5-12)MSD



Tgt Ion:	154	Resp:	643479
Ion Ratio	Lower	Upper	
154	100		
153	113.1	89.8	134.6
152	52.3	43.4	65.0

Manual Integrations
APPROVED

umangi
5/12/2016 9:10:07 AM



#52

3-Nitroaniline

Concen: 26.99 ng

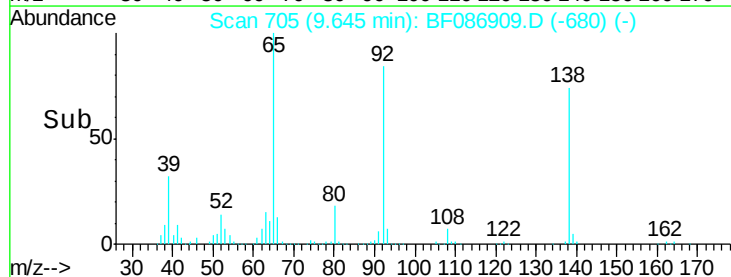
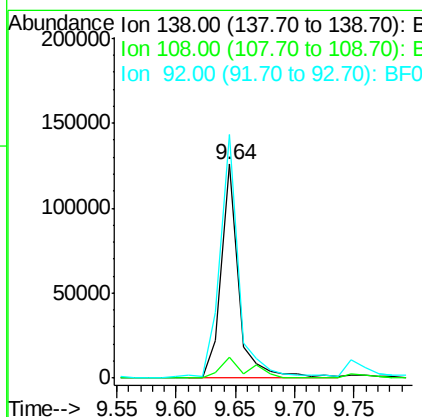
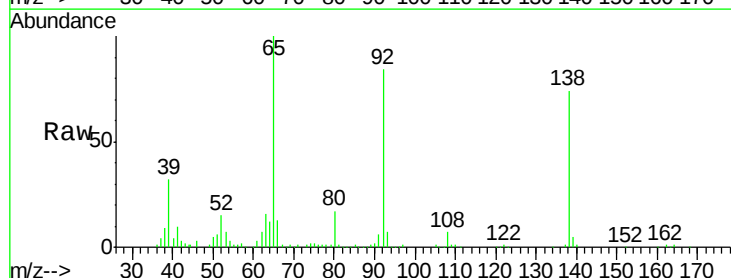
RT: 9.64 min Scan# 705

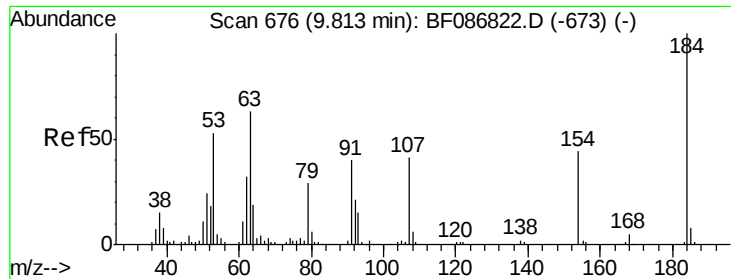
Delta R.T. -0.01 min

Lab File: BF086909.D

Acq: 12 May 2016 1:27

Tgt Ion:	138	Resp:	128533
Ion Ratio	Lower	Upper	
138	100		
108	9.8	7.8	11.6
92	113.7	87.8	131.8





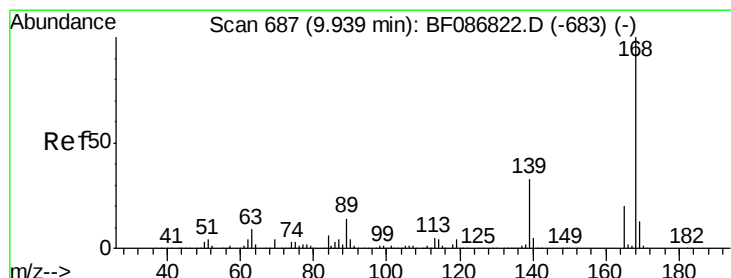
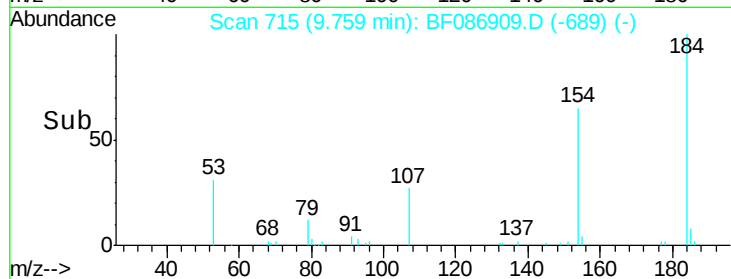
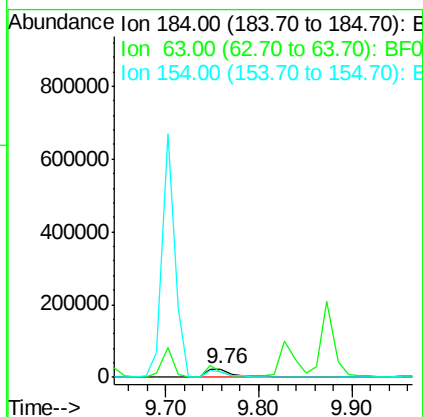
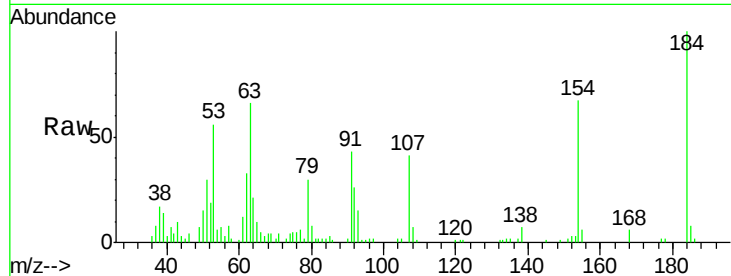
#53
2,4-Dinitrophenol
Concen: 26.41 ng
RT: 9.76 min Scan# 715
Delta R.T. 0.00 min
Lab File: BF086909.D
Acq: 12 May 2016 1:27

Instrument :
BNA_F
ClientSampleId :
E-19(11.5-12)MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
184	100		
63	65.6	55.8	83.8
154	66.7	62.4	93.6

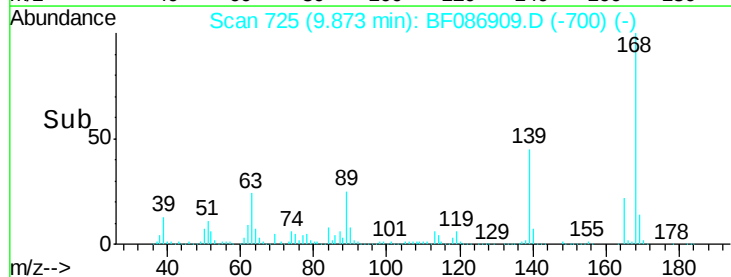
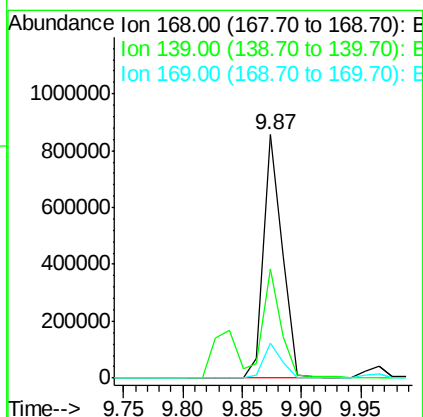
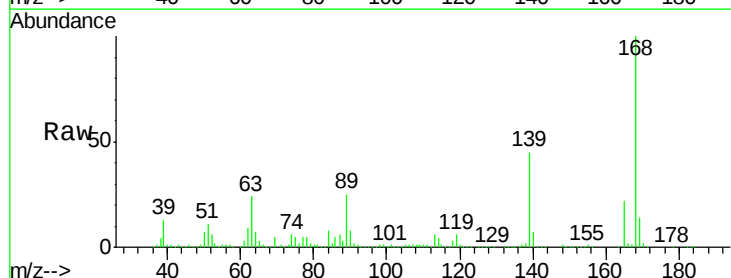
Manual Integrations
APPROVED

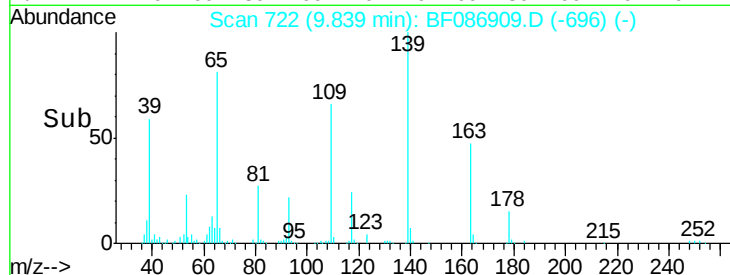
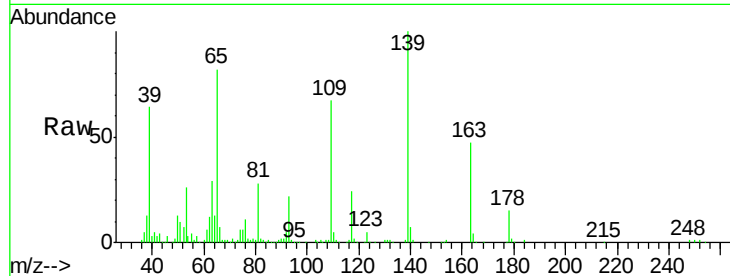
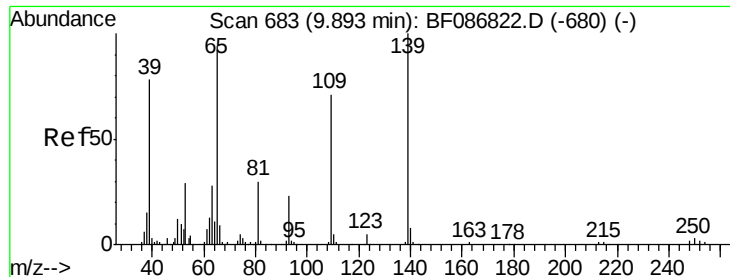
umangi
5/12/2016 9:10:07 AM



#54
Dibenzofuran
Concen: 45.82 ng
RT: 9.87 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF086909.D
Acq: 12 May 2016 1:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
168	100		
139	45.0	31.4	47.0
169	14.2	10.7	16.1





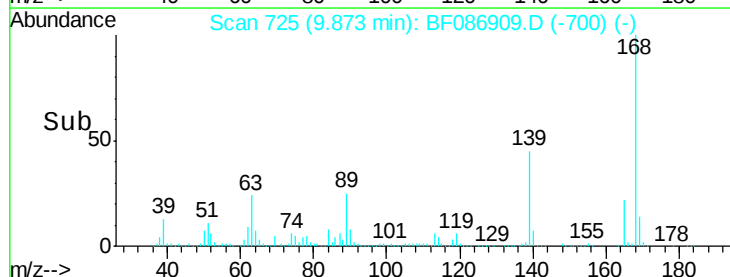
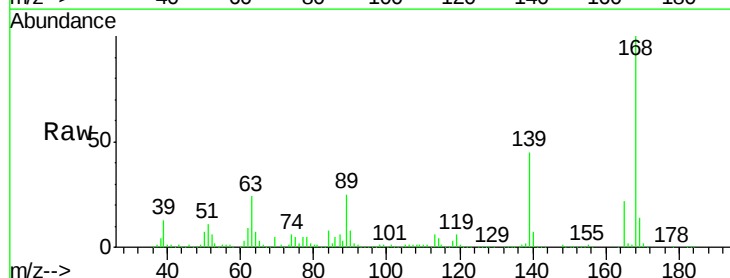
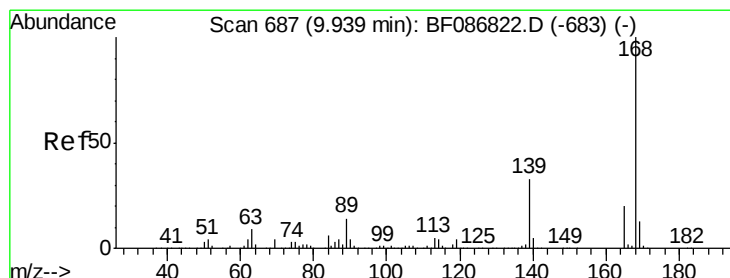
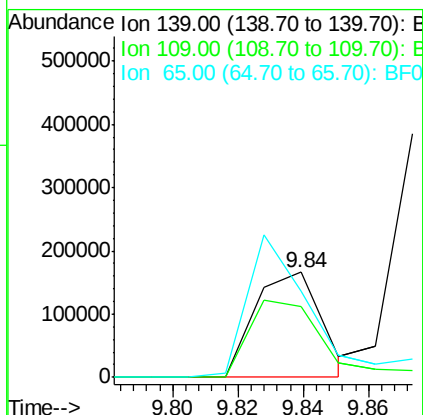
#55
4-Nitrophenol
Concen: 74.11 ng
RT: 9.84 min Scan# 722
Delta R.T. 0.00 min
Lab File: BF086909.D
Acq: 12 May 2016 1:27

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	234153		
109	66.7	36.9	76.9	
65	82.1	64.0	104.0	

Instrument :
BNA_F
ClientSampleId :
E-19(11.5-12)MSD

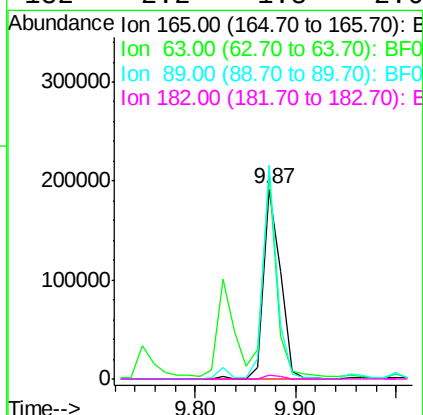
Manual Integrations
APPROVED

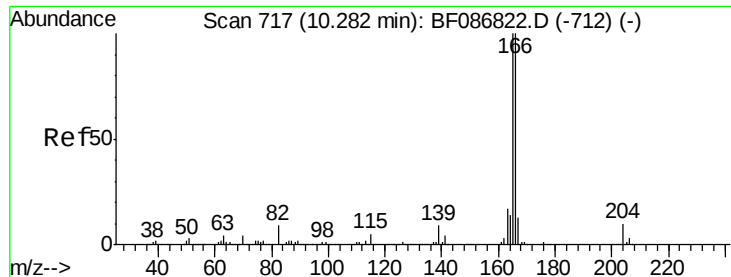
umangi
5/12/2016 9:10:07 AM



#56
2,4-Dinitrotoluene
Concen: 40.32 ng
RT: 9.87 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF086909.D
Acq: 12 May 2016 1:27

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	225678		
63	107.9	44.3	66.5#	
89	112.4	70.0	105.0#	
182	2.2	1.8	2.6	





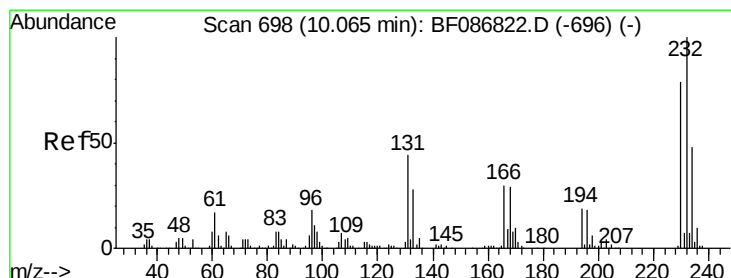
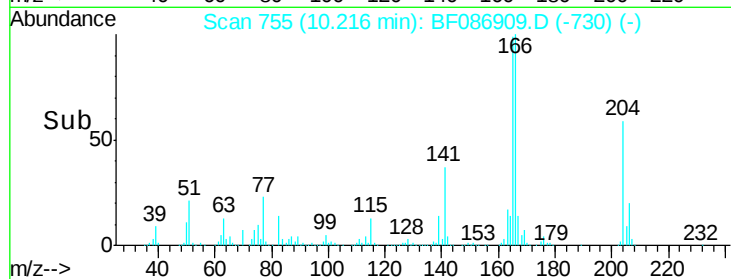
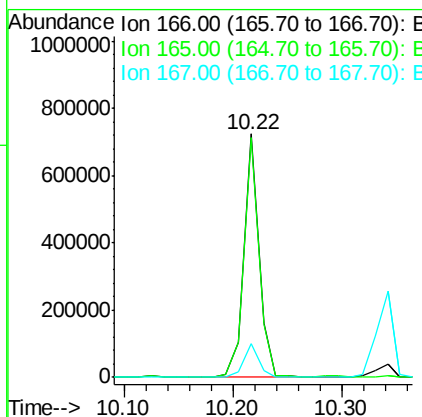
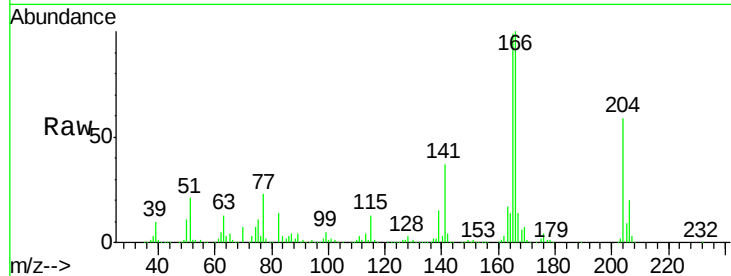
#57
Fluorene
 Concen: 39.36 ng
 RT: 10.22 min Scan# 755
 Delta R.T. -0.01 min
 Lab File: BF086909.D
 Acq: 12 May 2016 1:27

Instrument :
 BNA_F
 ClientSampleId :
 E-19(11.5-12)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	692143		
165	98.6	79.0	118.6	
167	13.8	10.6	15.8	

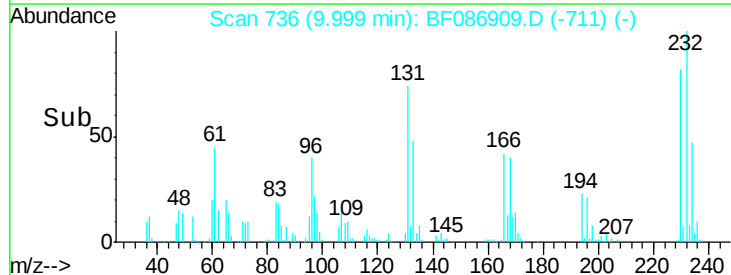
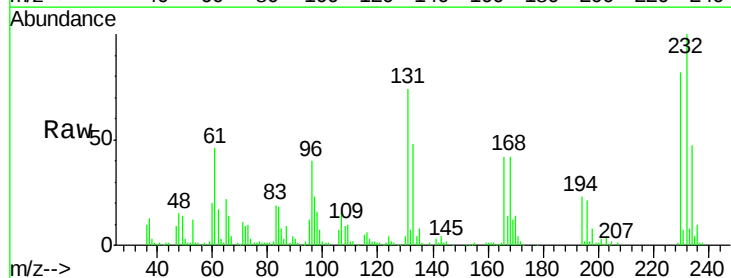
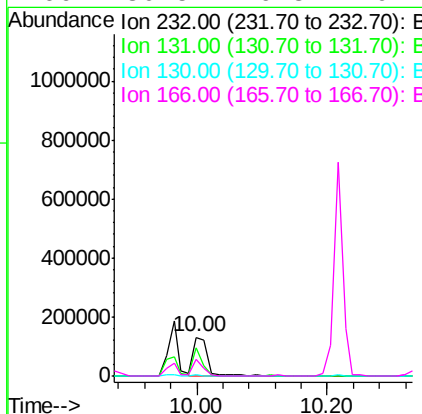
Manual Integrations
 APPROVED

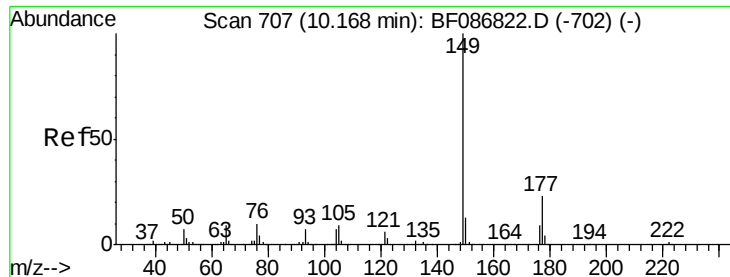
umangi
 5/12/2016 9:10:07 AM



#58
2,3,4,6-Tetrachlorophenol
 Concen: 45.50 ng
 RT: 10.00 min Scan# 736
 Delta R.T. -0.01 min
 Lab File: BF086909.D
 Acq: 12 May 2016 1:27

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	194003		
131	50.0	41.9	62.9	
130	2.6	2.2	3.4	
166	30.5	26.8	40.2	





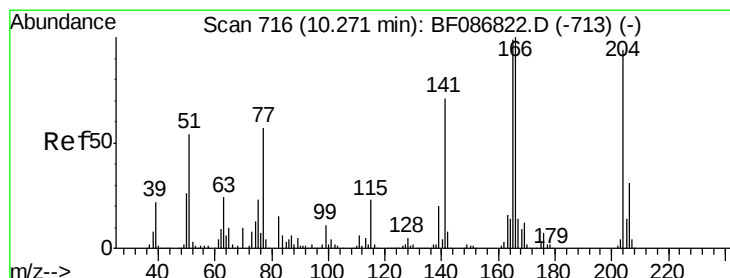
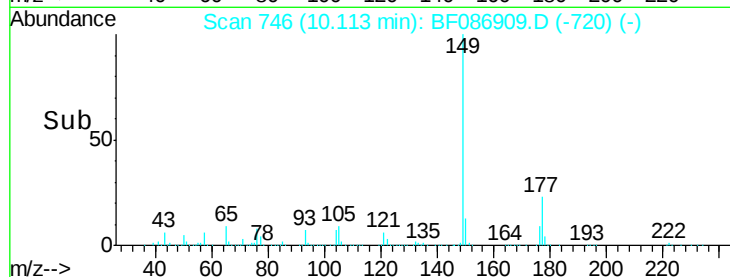
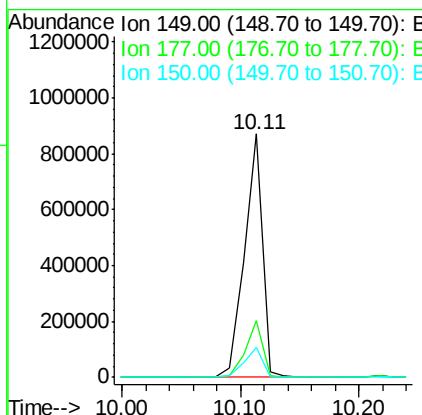
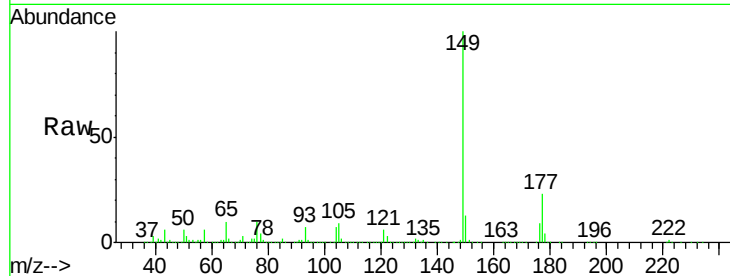
#59
Diethylphthalate
Concen: 44.02 ng
RT: 10.11 min Scan# 746
Delta R.T. 0.00 min
Lab File: BF086909.D
Acq: 12 May 2016 1:27

Instrument :
BNA_F
ClientSampleId :
E-19(11.5-12)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	921879		
177	23.2	16.6	24.8	
150	12.5	10.0	15.0	

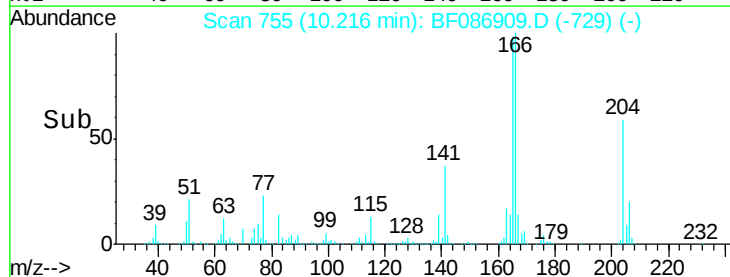
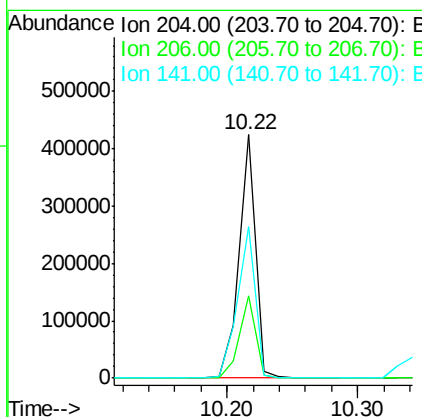
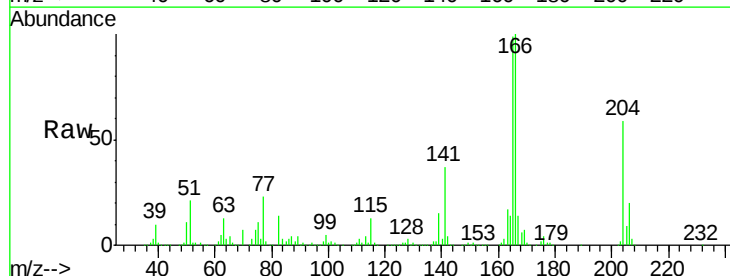
Manual Integrations
APPROVED

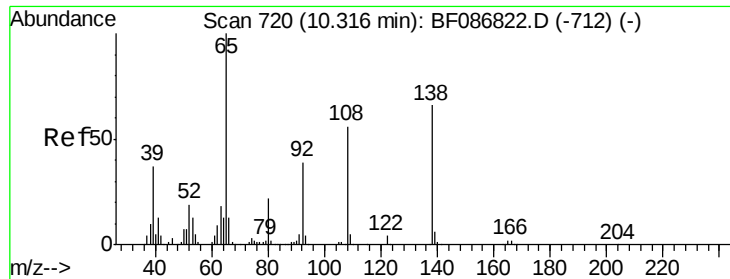
umangi
5/12/2016 9:10:07 AM



#60
4-Chlorophenyl-phenylether
Concen: 48.92 ng
RT: 10.22 min Scan# 755
Delta R.T. 0.00 min
Lab File: BF086909.D
Acq: 12 May 2016 1:27

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	366237		
206	33.6	25.4	38.0	
141	62.4	61.6	92.4	





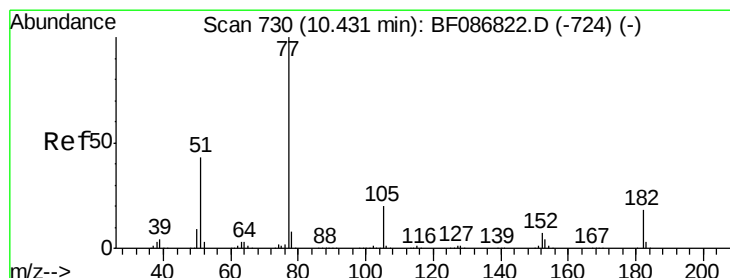
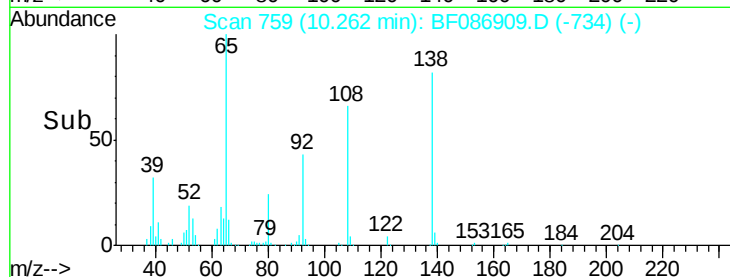
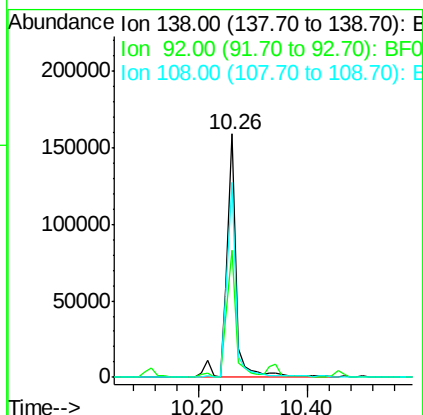
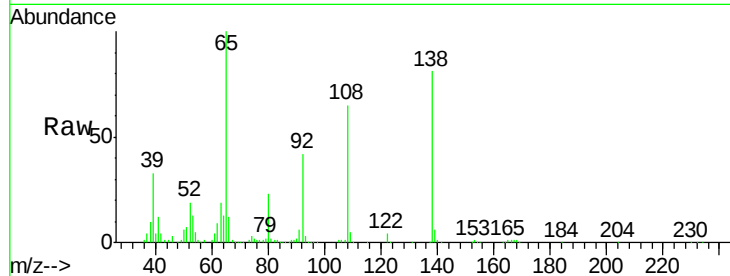
#61
4-Nitroaniline
Concen: 42.61 ng
RT: 10.26 min Scan# 759
Delta R.T. -0.01 min
Lab File: BF086909.D
Acq: 12 May 2016 1:27

Instrument :
BNA_F
ClientSampleId :
E-19(11.5-12)MSD

Tgt Ion	Ratio	Lower	Upper
138	100		
92	52.3	24.7	64.7
108	80.1	37.4	77.4

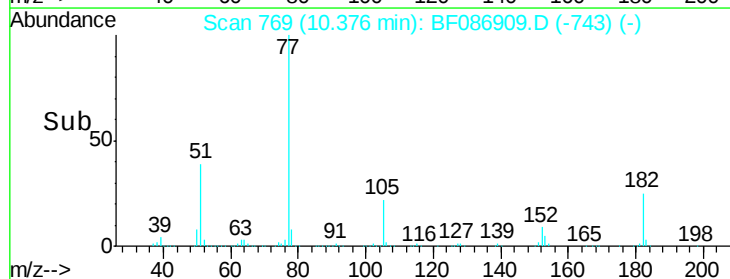
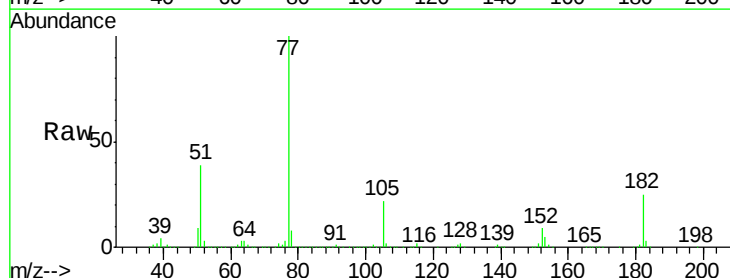
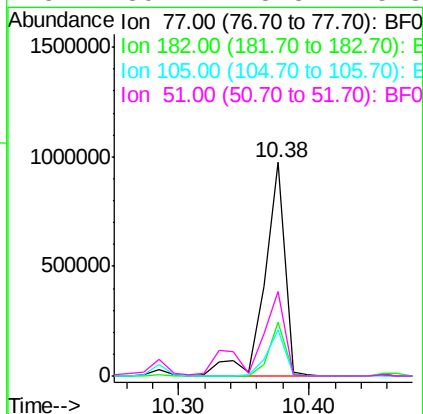
Manual Integrations
APPROVED

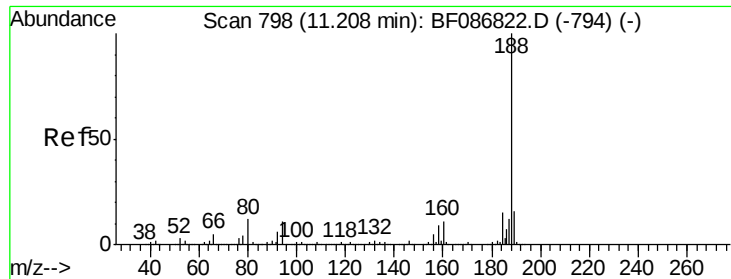
umangi
5/12/2016 9:10:07 AM



#62
Azobenzene
Concen: 47.07 ng
RT: 10.38 min Scan# 769
Delta R.T. 0.00 min
Lab File: BF086909.D
Acq: 12 May 2016 1:27

Tgt Ion	Ratio	Lower	Upper
77	100		
182	25.1	0.0	38.8
105	21.9	3.2	43.2
51	39.4	8.8	48.8





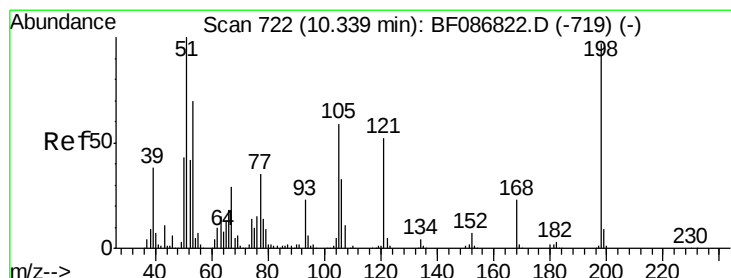
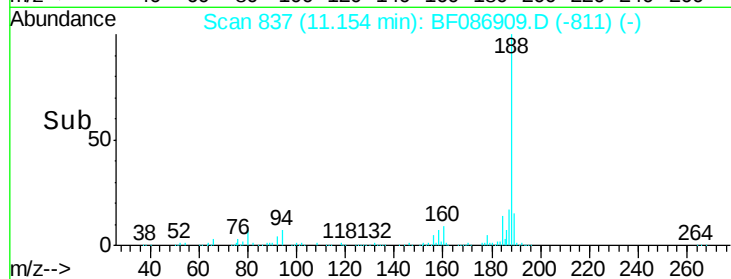
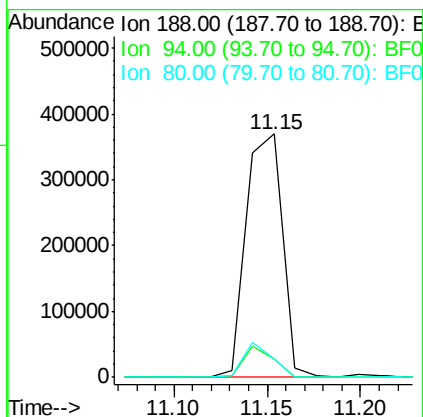
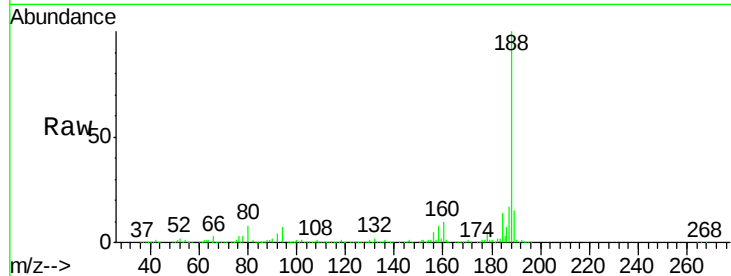
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.15 min Scan# 837
Delta R.T. 0.00 min
Lab File: BF086909.D
Acq: 12 May 2016 1:27

Instrument :
BNA_F
ClientSampleId :
E-19(11.5-12)MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	7.4	6.8	10.2
80	7.6	7.1	10.7

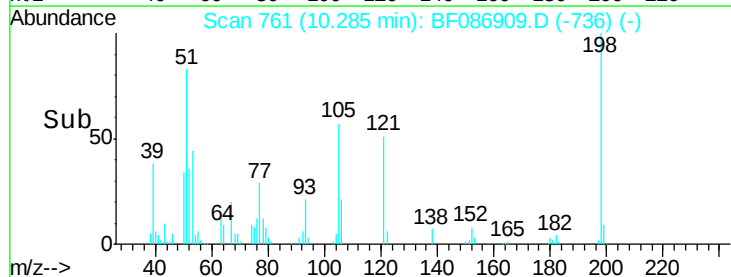
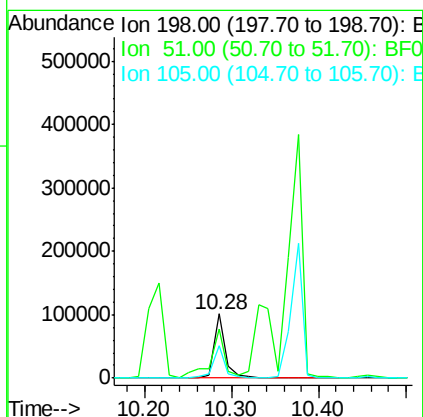
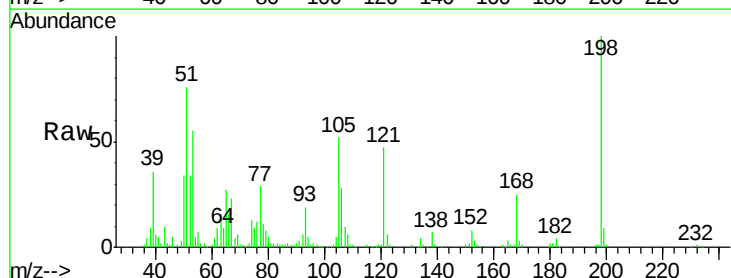
Manual Integrations
APPROVED

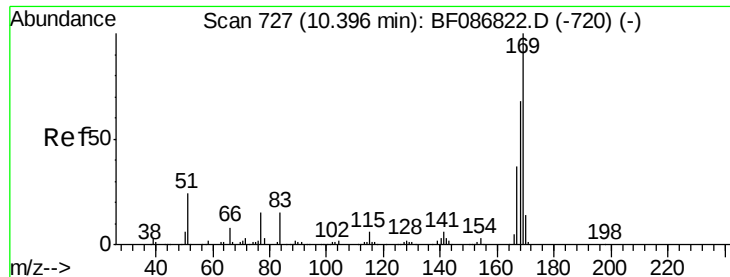
umangi
5/12/2016 9:10:07 AM



#64
4,6-Dinitro-2-methylphenol
Concen: 29.77 ng
RT: 10.28 min Scan# 761
Delta R.T. -0.01 min
Lab File: BF086909.D
Acq: 12 May 2016 1:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	76.3	20.5	60.5#
105	51.6	24.5	64.5





#65

n-Nitrosodiphenylamine

Concen: 47.00 ng

RT: 10.34 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF086909.D

Acq: 12 May 2016 1:27

Instrument :

BNA_F

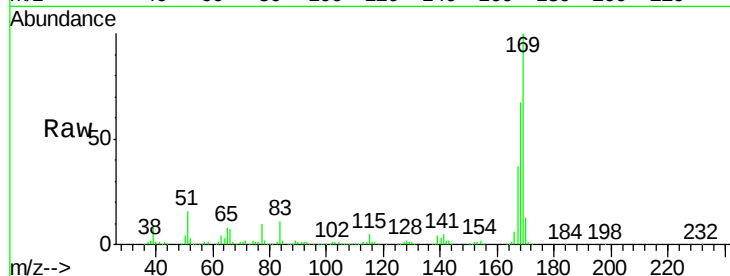
ClientSampleId :

E-19(11.5-12)MSD

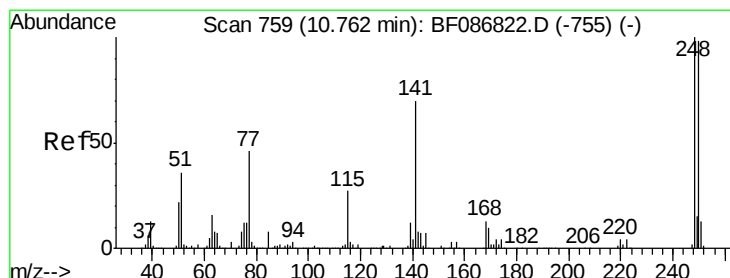
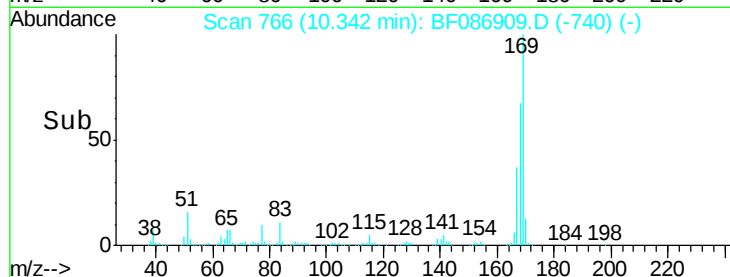
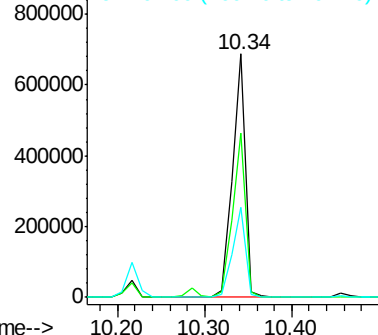
Tgt Ion:	169	Resp:	730466
Ion Ratio	Lower	Upper	
169	100		
168	67.3	53.8	80.6
167	37.1	29.5	44.3

Manual Integrations
APPROVED

umangi
5/12/2016 9:10:07 AM



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: 41.80 ng

RT: 10.70 min Scan# 797

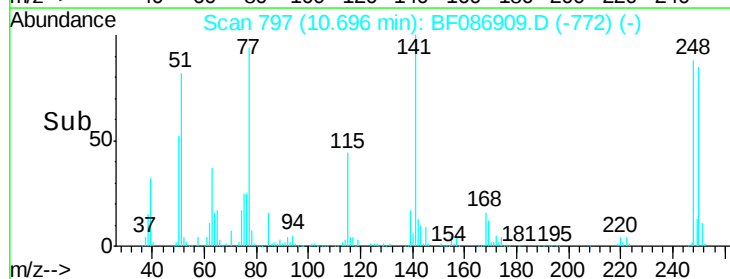
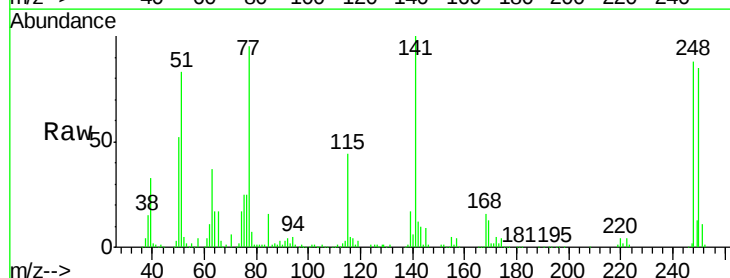
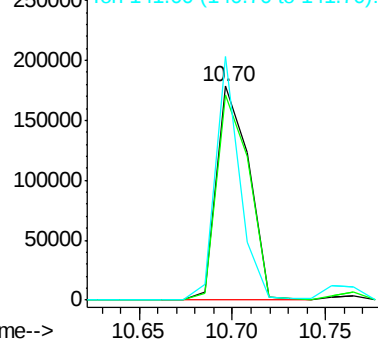
Delta R.T. -0.01 min

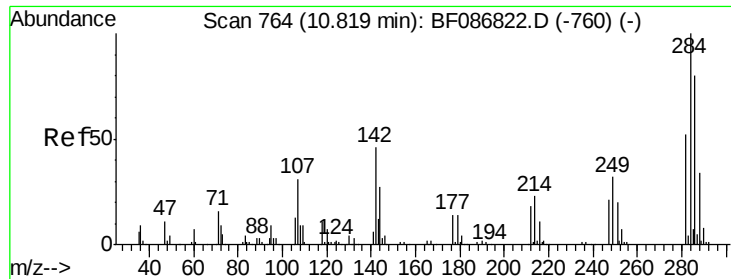
Lab File: BF086909.D

Acq: 12 May 2016 1:27

Tgt Ion:	248	Resp:	214385
Ion Ratio	Lower	Upper	
248	100		
250	96.3	78.6	117.8
141	114.0	76.0	114.0#

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





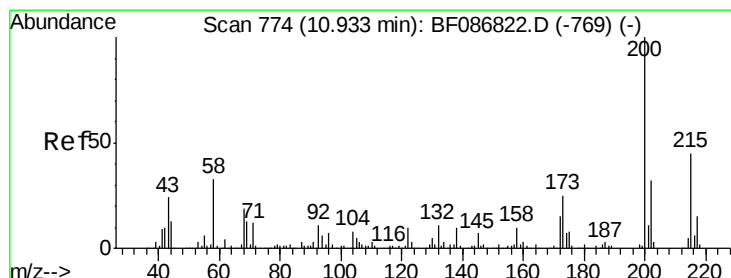
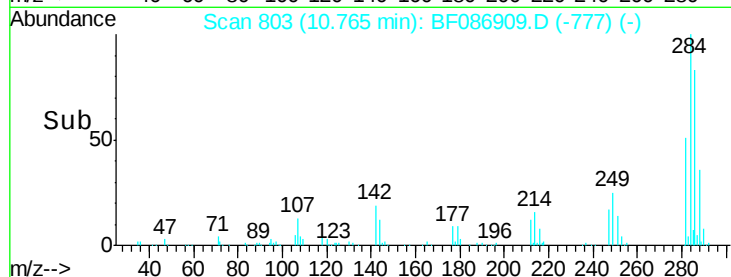
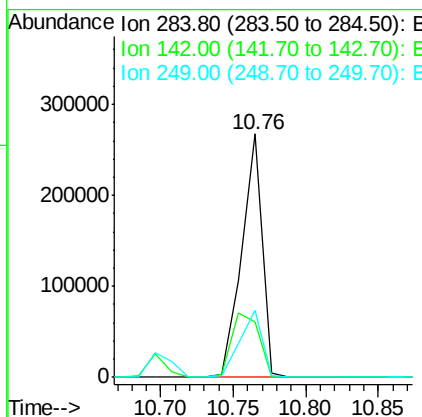
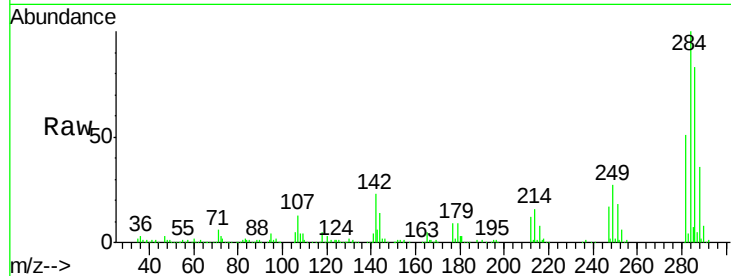
#67
Hexachlorobenzene
Concen: 43.71 ng
RT: 10.76 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF086909.D
Acq: 12 May 2016 1:27

Instrument :
BNA_F
ClientSampleId :
E-19(11.5-12)MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	22.6	16.7	25.1
249	27.3	21.3	31.9

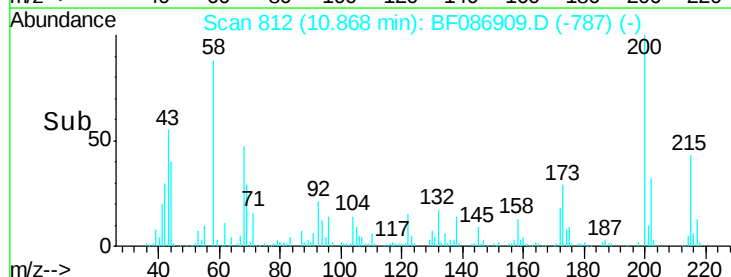
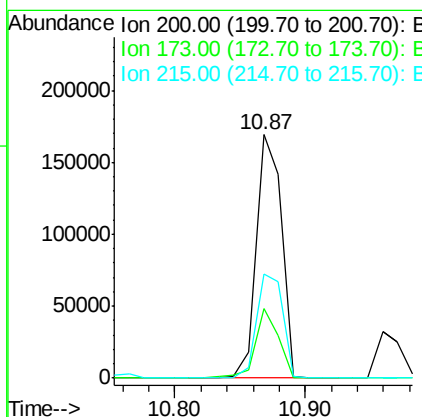
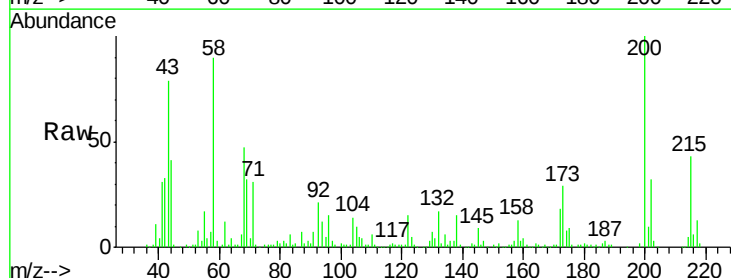
Manual Integrations
APPROVED

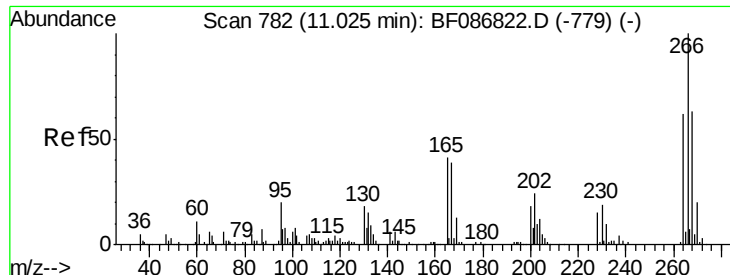
umangi
5/12/2016 9:10:07 AM



#68
Atrazine
Concen: 43.95 ng
RT: 10.87 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF086909.D
Acq: 12 May 2016 1:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	28.8	8.5	48.5
215	42.7	27.2	67.2





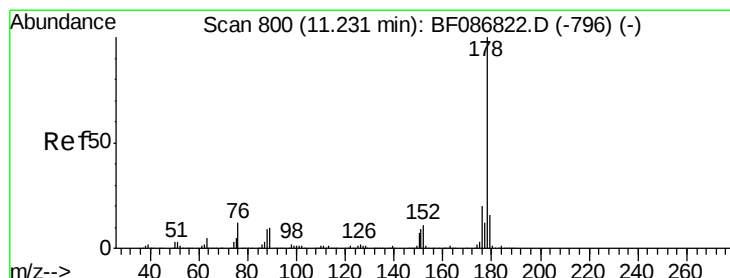
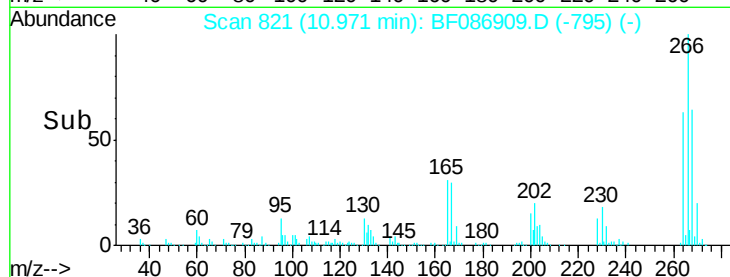
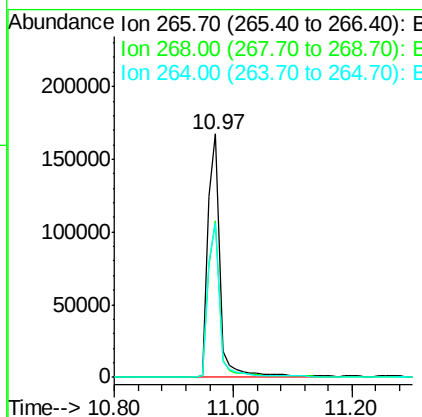
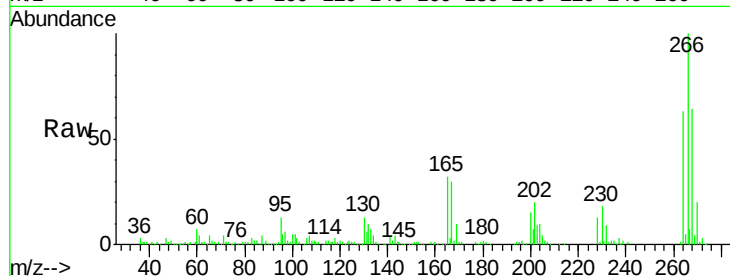
#69
 Pentachlorophenol
 Concen: 86.89 ng
 RT: 10.97 min Scan# 821
 Delta R.T. 0.00 min
 Lab File: BF086909.D
 Acq: 12 May 2016 1:27

Instrument :
 BNA_F
 ClientSampleId :
 E-19(11.5-12)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	240687		
268	64.4	51.5	77.3	
264	63.1	52.9	79.3	

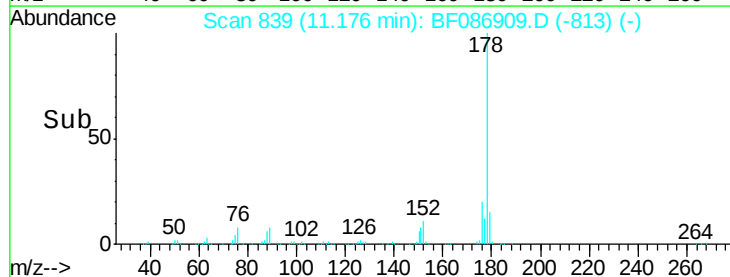
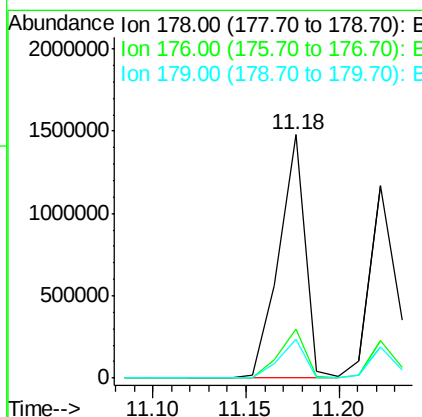
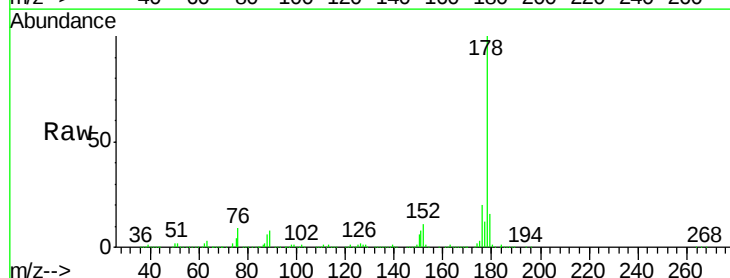
Manual Integrations
 APPROVED

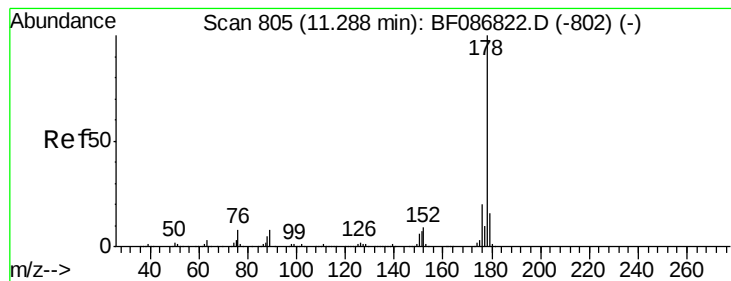
umangi
 5/12/2016 9:10:07 AM



#70
 Phenanthrene
 Concen: 53.63 ng
 RT: 11.18 min Scan# 839
 Delta R.T. 0.00 min
 Lab File: BF086909.D
 Acq: 12 May 2016 1:27

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1447890		
176	20.3	16.0	24.0	
179	15.8	12.6	18.8	





#71

Anthracene

Concen: 41.41 ng

RT: 11.22 min Scan# 843

Delta R.T. -0.01 min

Lab File: BF086909.D

Acq: 12 May 2016 1:27

Instrument :

BNA_F

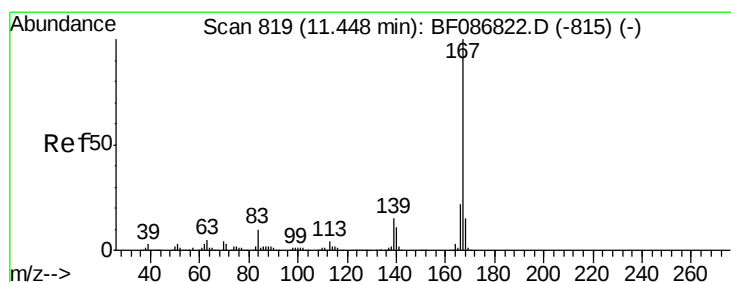
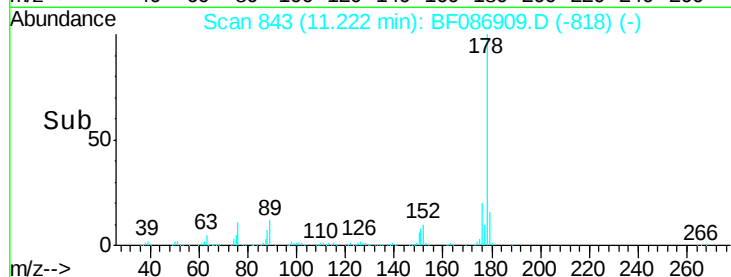
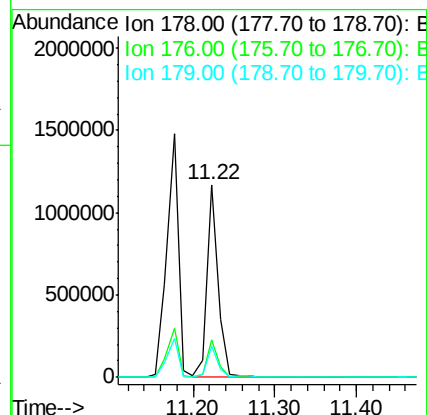
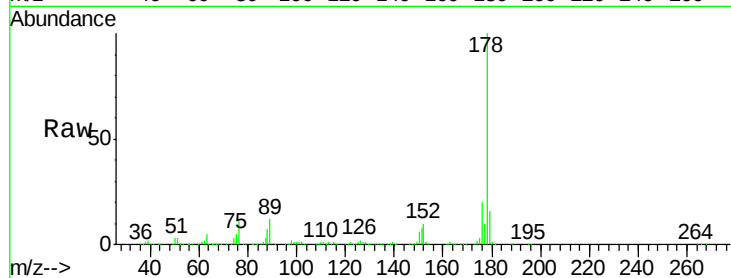
ClientSampleId :

E-19(11.5-12)MSD

Manual Integrations
APPROVED

umangi
5/12/2016 9:10:07 AM

Tgt Ion:	178	Resp:	1143166
Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.6	23.4
179	16.5	12.7	19.1



#72

Carbazole

Concen: 43.38 ng

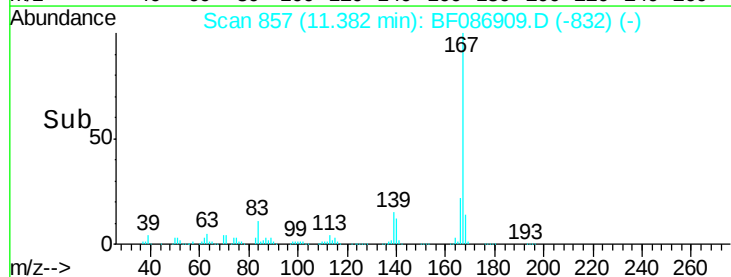
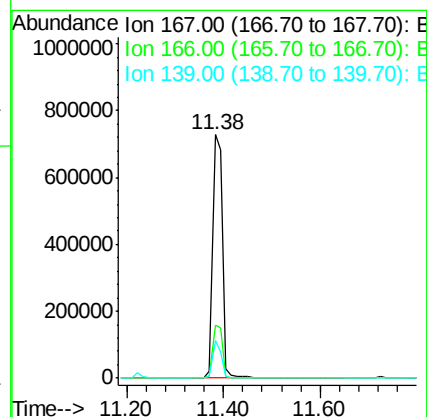
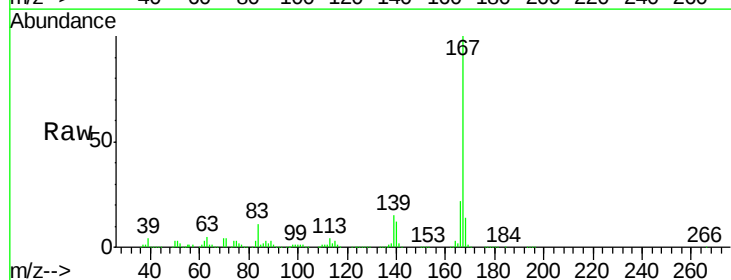
RT: 11.38 min Scan# 857

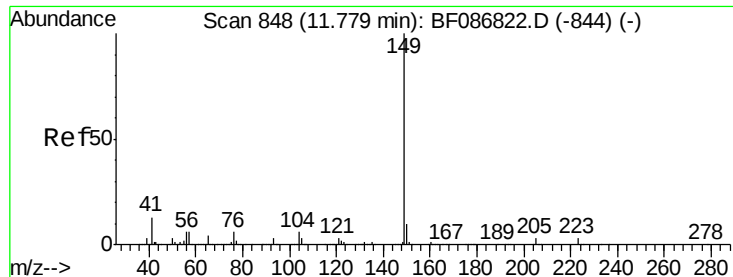
Delta R.T. -0.01 min

Lab File: BF086909.D

Acq: 12 May 2016 1:27

Tgt Ion:	167	Resp:	1029570
Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.7	26.5
139	15.3	10.8	16.2





#73

Di-n-butylphthalate

Concen: 47.16 ng

RT: 11.73 min Scan# 887

Delta R.T. 0.00 min

Lab File: BF086909.D

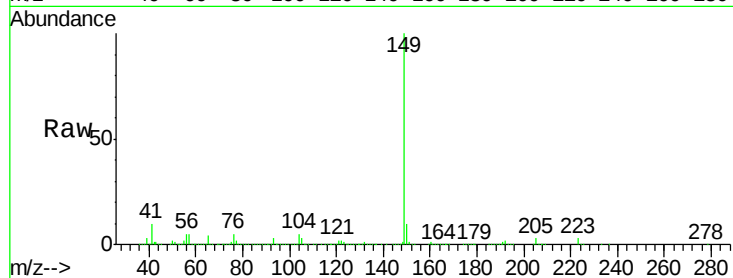
Acq: 12 May 2016 1:27

Instrument :

BNA_F

ClientSampleId :

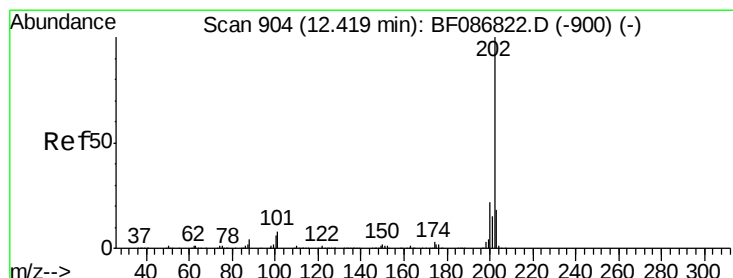
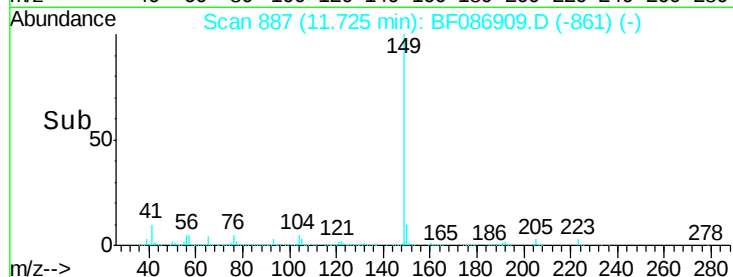
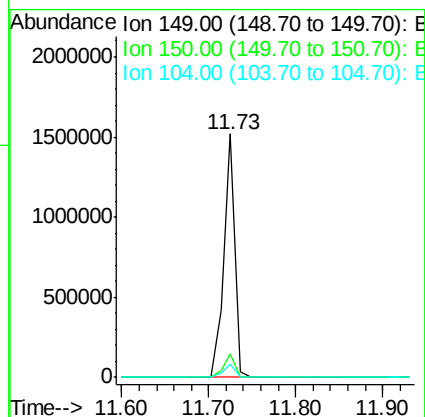
E-19(11.5-12)MSD



Tgt Ion:	149	Resp:	1366804
Ion Ratio	Lower	Upper	
149	100		
150	9.5	7.6	11.4
104	5.5	3.8	5.6

Manual Integrations
APPROVED

umangi
5/12/2016 9:10:07 AM



#74

Fluoranthene

Concen: 49.84 ng

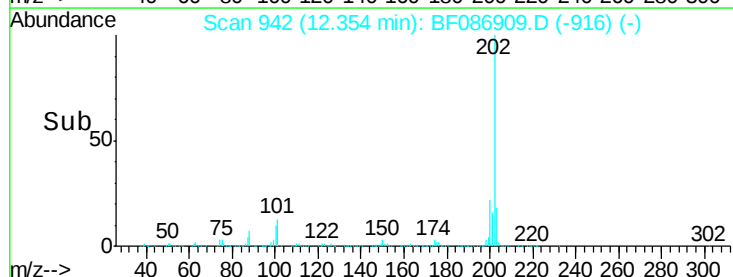
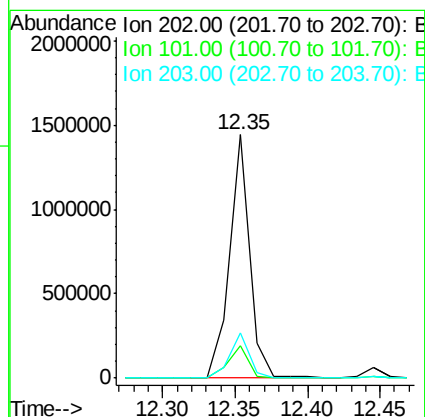
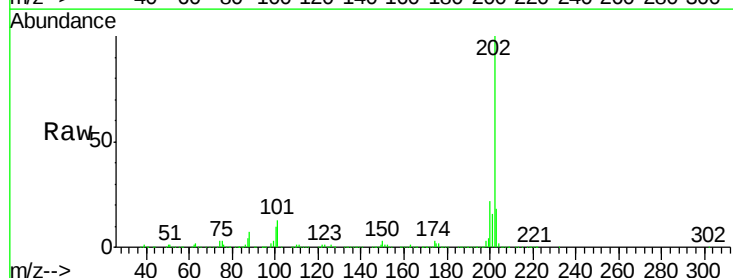
RT: 12.35 min Scan# 942

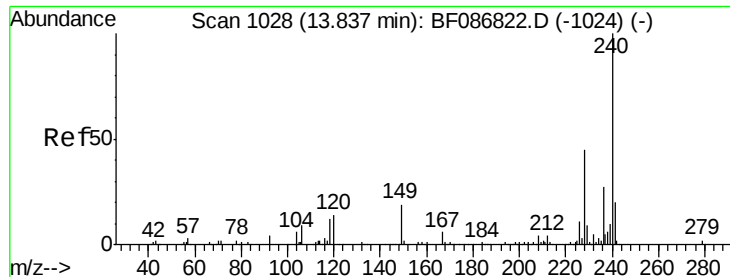
Delta R.T. 0.00 min

Lab File: BF086909.D

Acq: 12 May 2016 1:27

Tgt Ion:	202	Resp:	1383742
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	35.4
203	18.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BF086909.D

Acq: 12 May 2016 1:27

Instrument :

BNA_F

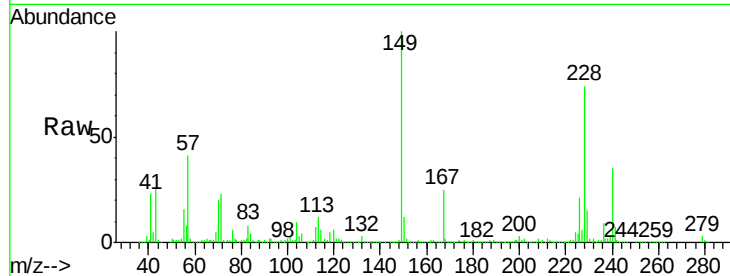
ClientSampleId :

E-19(11.5-12)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	268296		
120	16.9	11.2	16.8#	
236	26.4	21.2	31.8	

Manual Integrations
APPROVED

umangi
5/12/2016 9:10:07 AM

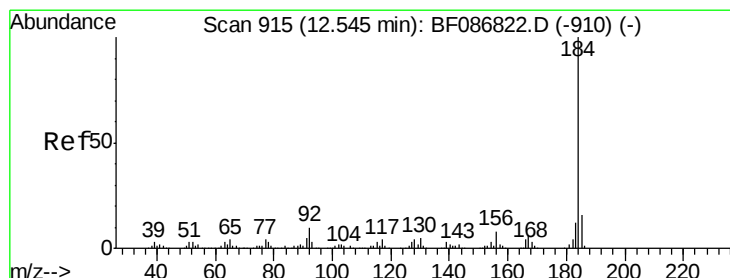
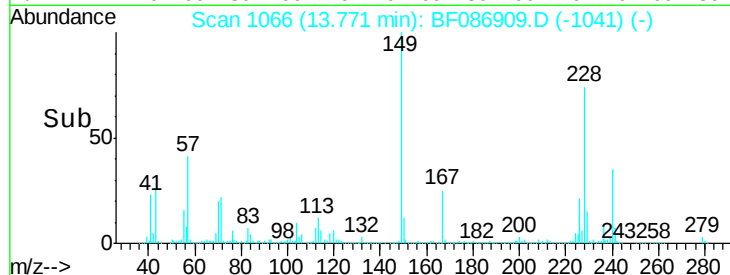
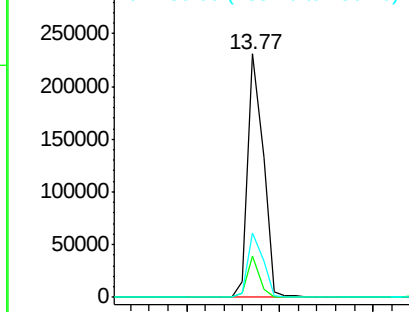


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 75.82 ng

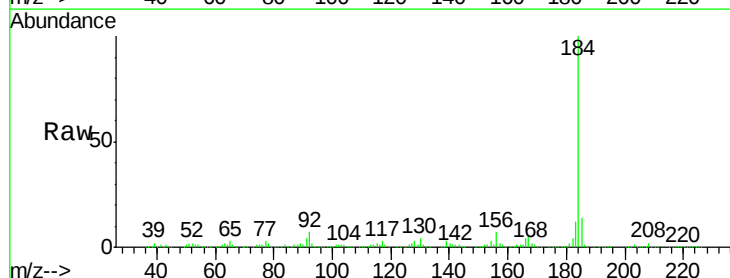
RT: 12.49 min Scan# 954

Delta R.T. 0.00 min

Lab File: BF086909.D

Acq: 12 May 2016 1:27

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	518620		
185	14.1	13.6	20.4	
183	11.7	9.8	14.6	

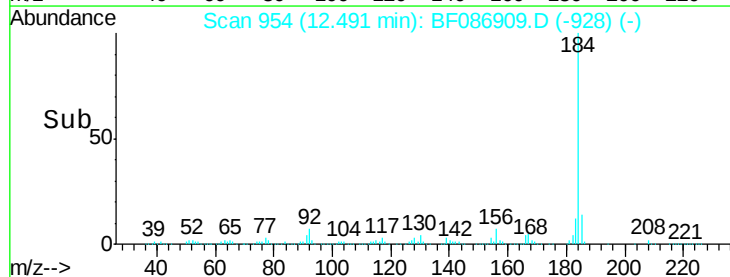
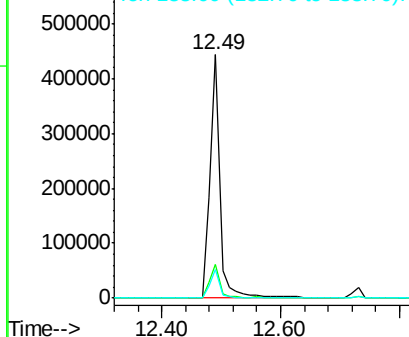


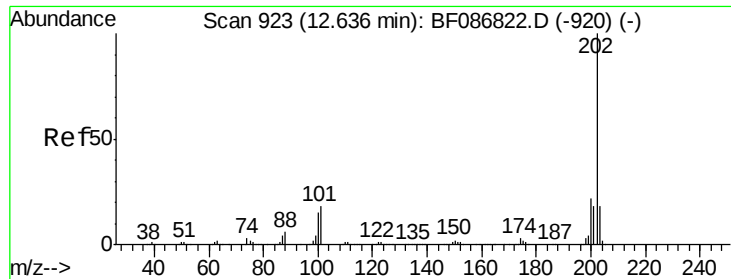
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 69.54 ng

RT: 12.58 min Scan# 962

Delta R.T. 0.00 min

Lab File: BF086909.D

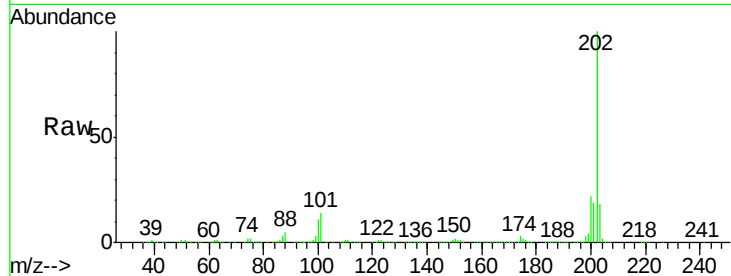
Acq: 12 May 2016 1:27

Instrument :

BNA_F

ClientSampleId :

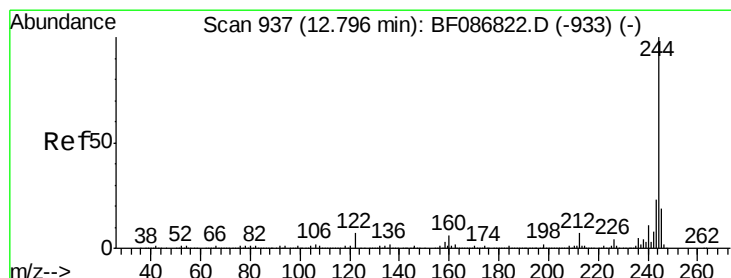
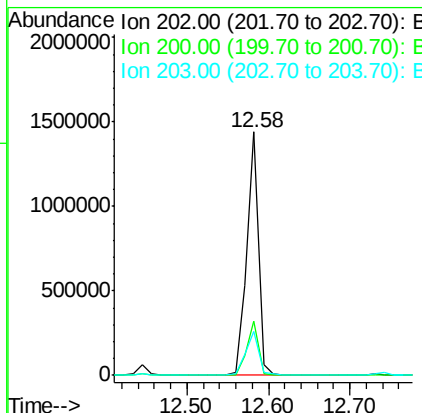
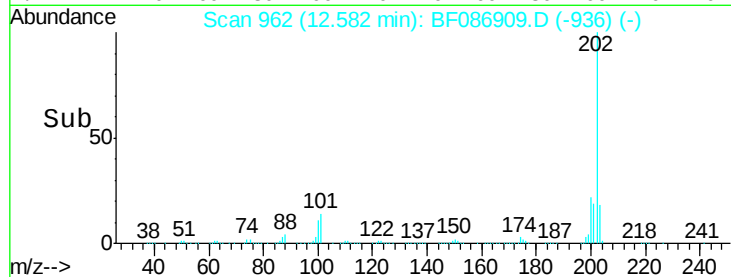
E-19(11.5-12)MSD



Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.5	17.7	26.5
203	18.1	14.2	21.4

Manual Integrations
APPROVED

umangi
5/12/2016 9:10:07 AM



#78

Terphenyl-d14

Concen: 87.88 ng

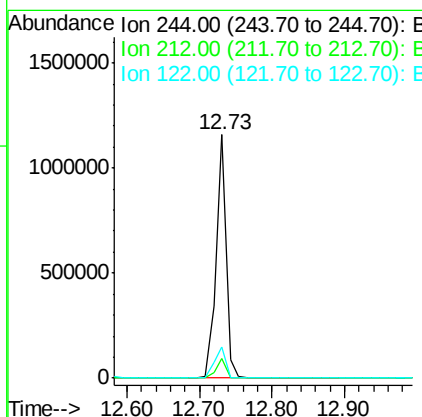
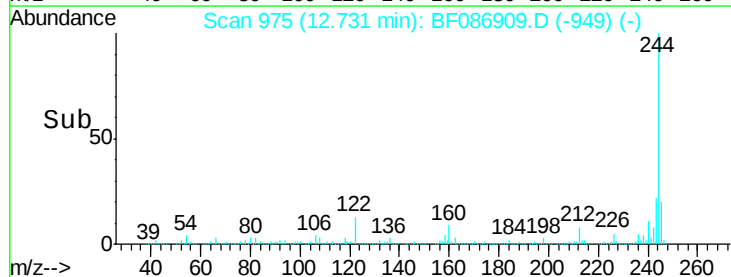
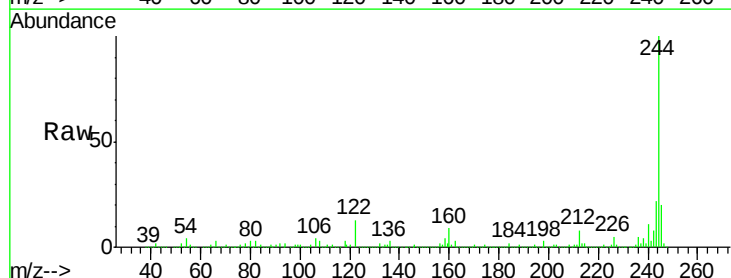
RT: 12.73 min Scan# 975

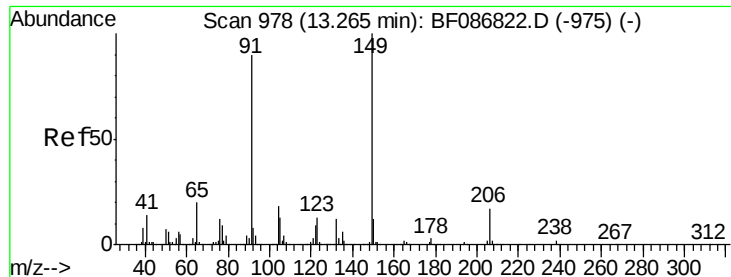
Delta R.T. 0.00 min

Lab File: BF086909.D

Acq: 12 May 2016 1:27

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.2
122	12.6	12.0	18.0





#79

Butylbenzylphthalate

Concen: 54.96 ng

RT: 13.21 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BF086909.D

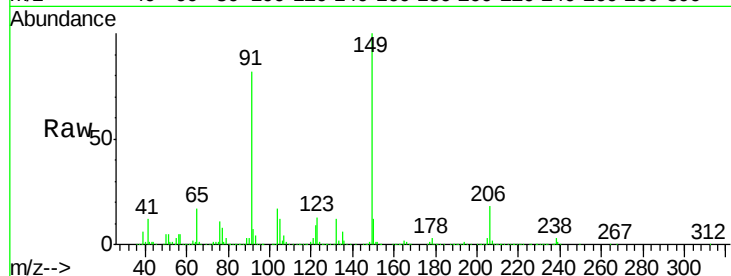
Acq: 12 May 2016 1:27

Instrument :

BNA_F

ClientSampleId :

E-19(11.5-12)MSD



Tgt Ion:149 Resp: 477495

Ion Ratio Lower Upper

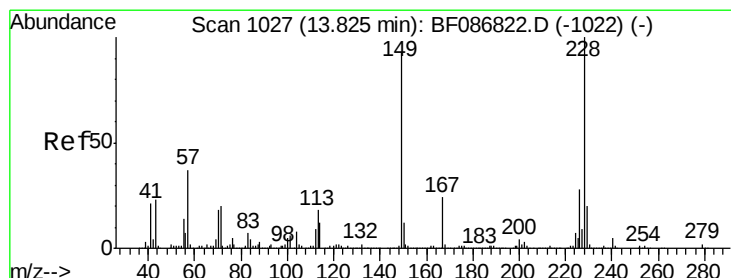
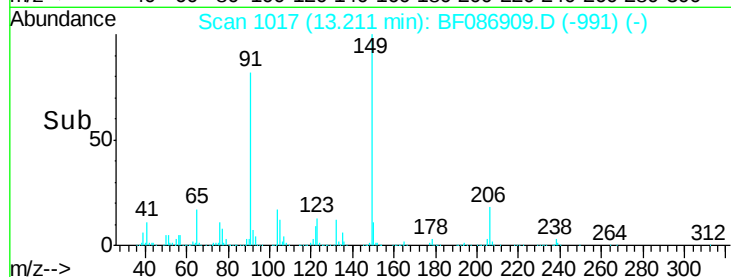
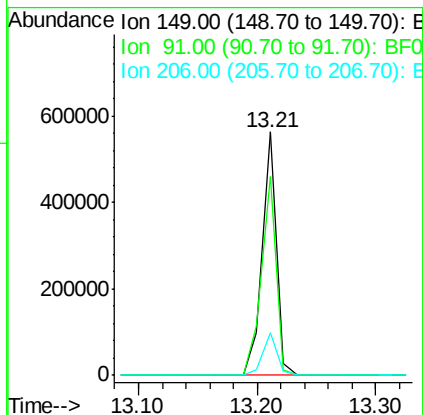
149 100

91 81.6 48.0 72.0#

206 17.6 15.8 23.6

Manual Integrations
APPROVED

umangi
5/12/2016 9:10:07 AM



#80

Benzo(a)anthracene

Concen: 57.86 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.01 min

Lab File: BF086909.D

Acq: 12 May 2016 1:27

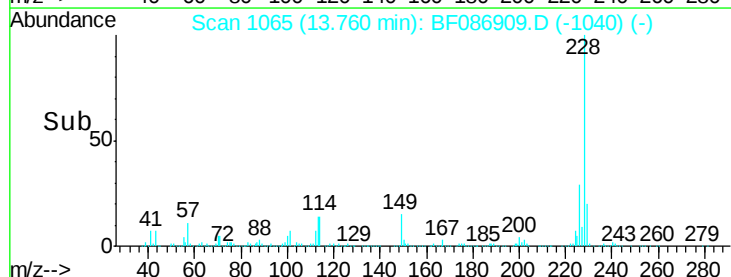
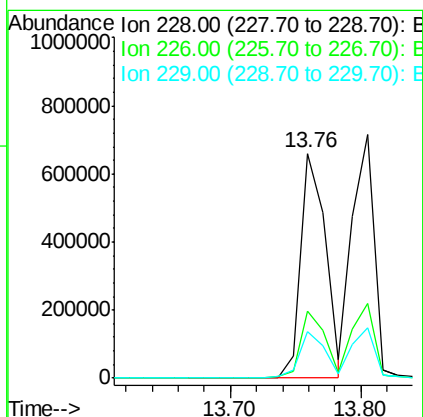
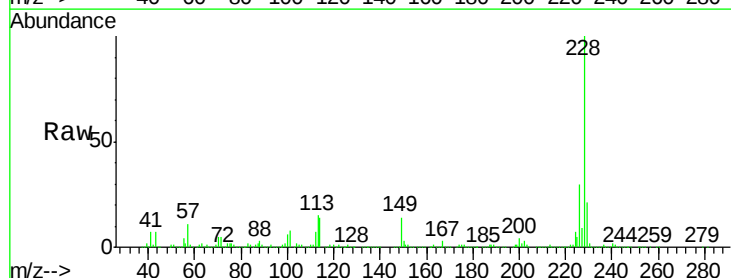
Tgt Ion:228 Resp: 871477

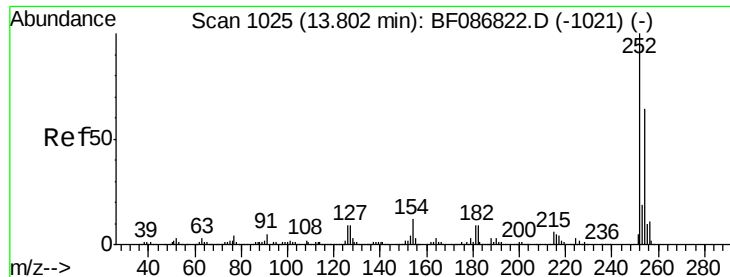
Ion Ratio Lower Upper

228 100

226 29.5 22.5 33.7

229 20.6 16.6 25.0





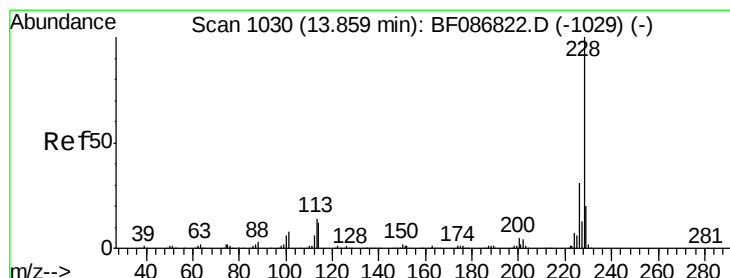
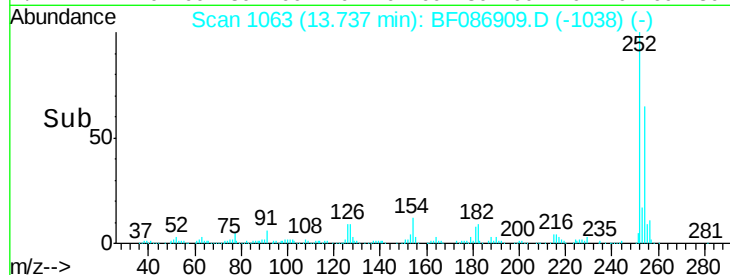
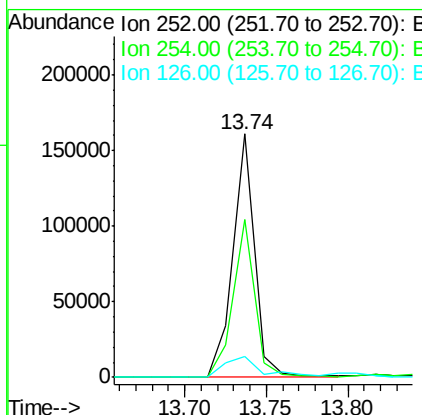
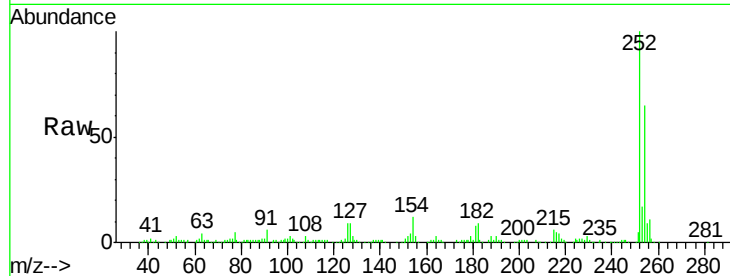
#81
 3,3'-Dichlorobenzidine
 Concen: 15.43 ng
 RT: 13.74 min Scan# 1063
 Delta R.T. -0.01 min
 Lab File: BF086909.D
 Acq: 12 May 2016 1:27

Instrument :
 BNA_F
 ClientSampleId :
 E-19(11.5-12)MSD

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
254	64.8	50.7	76.1
126	8.6	12.7	19.1#

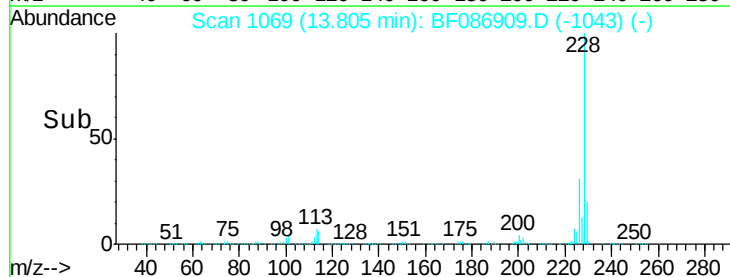
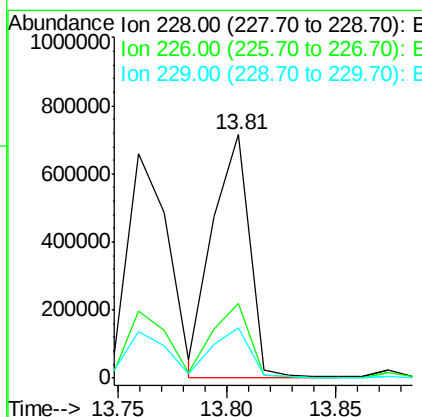
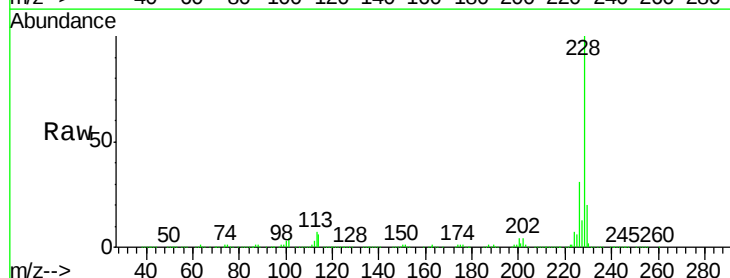
Manual Integrations
 APPROVED

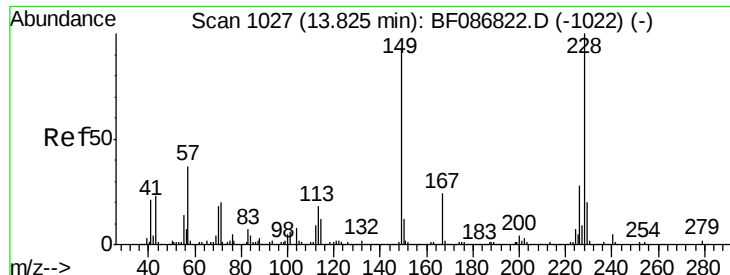
umangi
 5/12/2016 9:10:07 AM



#82
 Chrysene
 Concen: 54.96 ng
 RT: 13.81 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: BF086909.D
 Acq: 12 May 2016 1:27

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.7	24.4	36.6
229	20.5	15.8	23.8





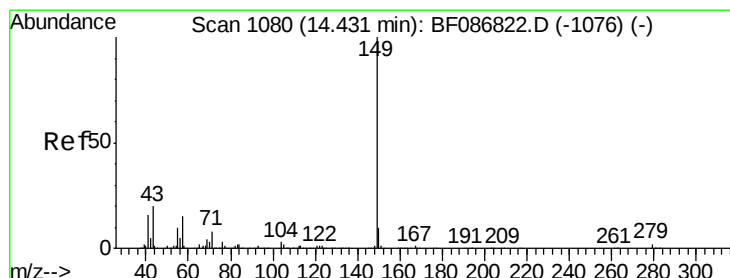
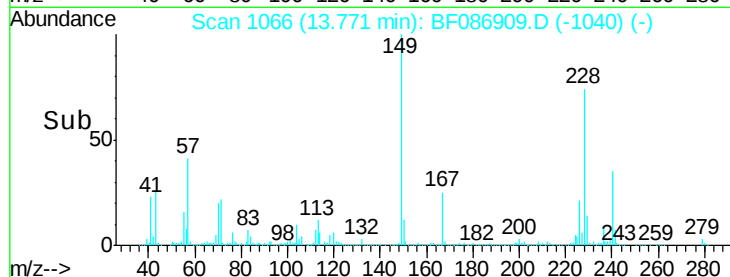
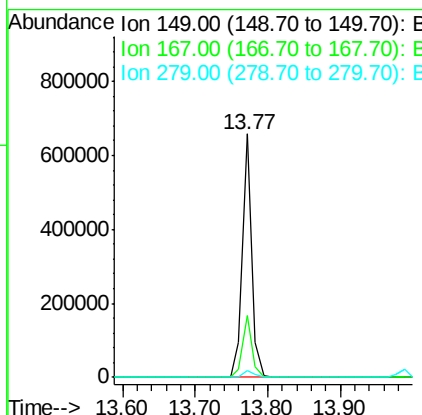
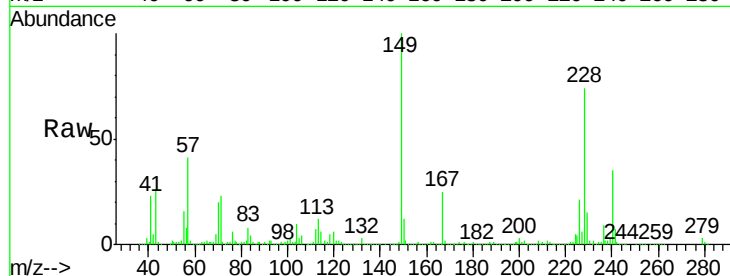
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 56.56 ng
 RT: 13.77 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: BF086909.D
 Acq: 12 May 2016 1:27

Instrument :
 BNA_F
 ClientSampleId :
 E-19(11.5-12)MSD

Tgt Ion	Ratio	Resp Lower	Upper
149	100		
167	25.2	21.8	32.6
279	2.8	2.6	4.0

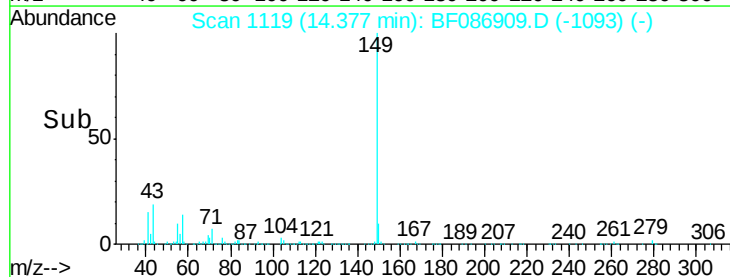
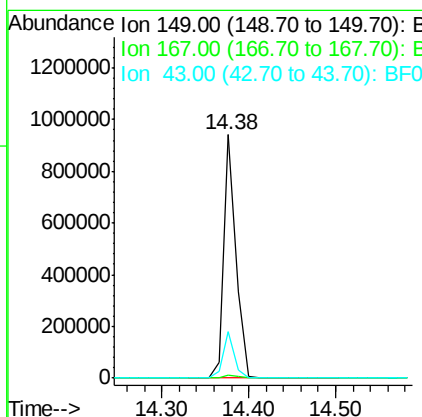
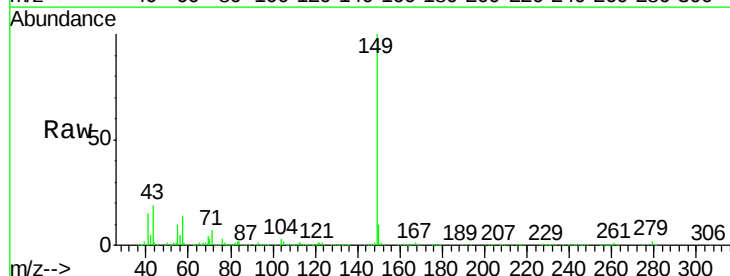
Manual Integrations
 APPROVED

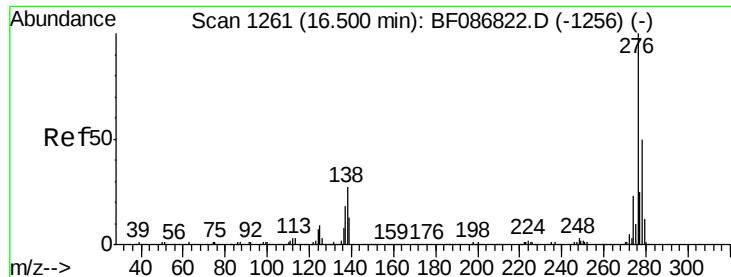
umangi
 5/12/2016 9:10:07 AM



#84
 Di-n-octyl phthalate
 Concen: 53.83 ng
 RT: 14.38 min Scan# 1119
 Delta R.T. 0.00 min
 Lab File: BF086909.D
 Acq: 12 May 2016 1:27

Tgt Ion	Ratio	Resp Lower	Upper
149	100		
167	1.6	1.2	1.8
43	16.9	8.2	12.4#





#85

Indeno(1,2,3-cd)pyrene

Concen: 67.38 ng

RT: 16.40 min Scan# 1296

Delta R.T. 0.00 min

Lab File: BF086909.D

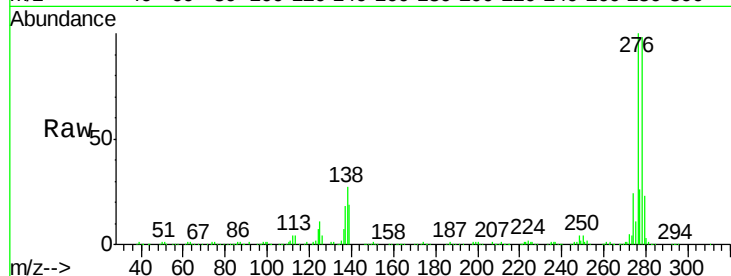
Acq: 12 May 2016 1:27

Instrument :

BNA_F

ClientSampleId :

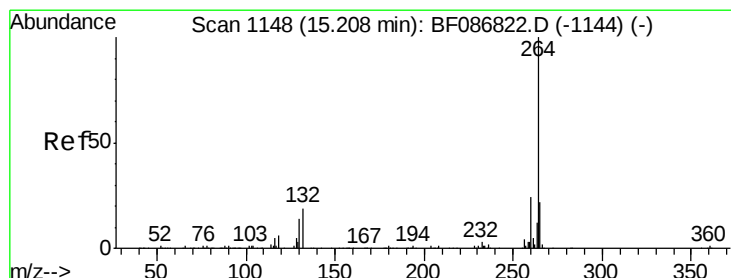
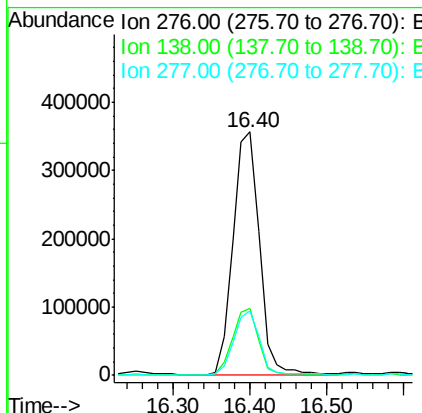
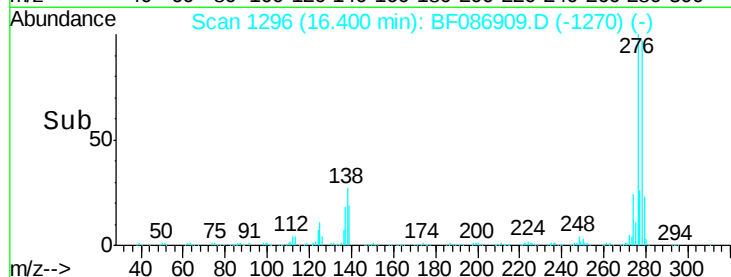
E-19(11.5-12)MSD



Tgt Ion:	276	Resp:	858884
Ion Ratio		Lower	Upper
276	100		
138	26.8	25.6	38.4
277	25.7	20.5	30.7

Manual Integrations
APPROVED

umangi
5/12/2016 9:10:07 AM



#86

Perylene-d12

Concen: 20.00 ng

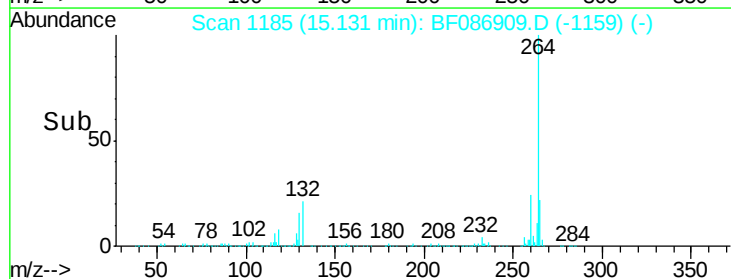
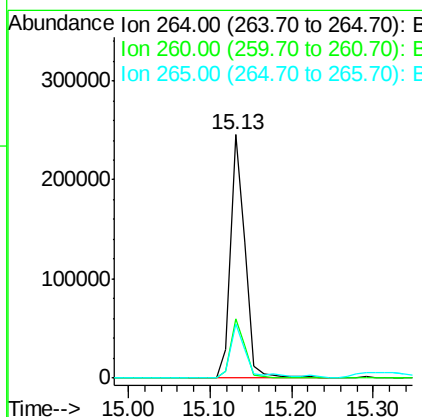
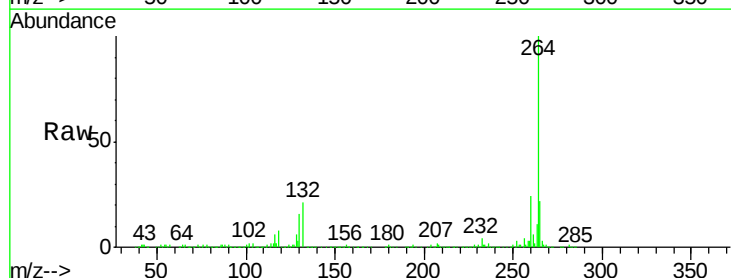
RT: 15.13 min Scan# 1185

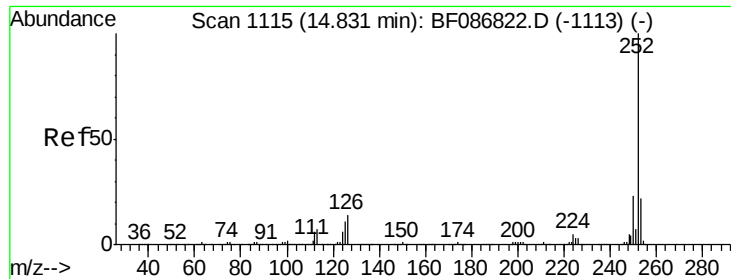
Delta R.T. 0.00 min

Lab File: BF086909.D

Acq: 12 May 2016 1:27

Tgt Ion:	264	Resp:	301737
Ion Ratio		Lower	Upper
264	100		
260	24.2	19.5	29.3
265	22.0	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 43.25 ng m

RT: 14.77 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BF086909.D

Acq: 12 May 2016 1:27

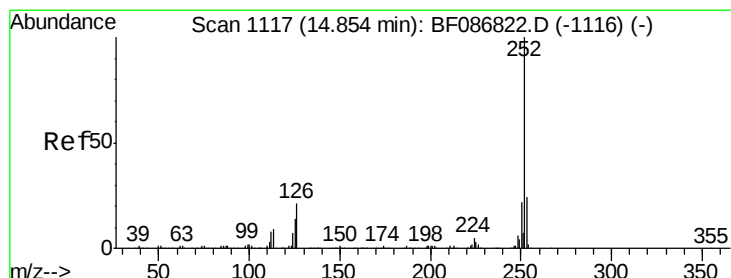
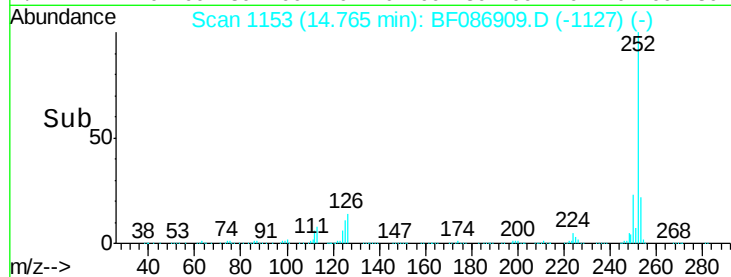
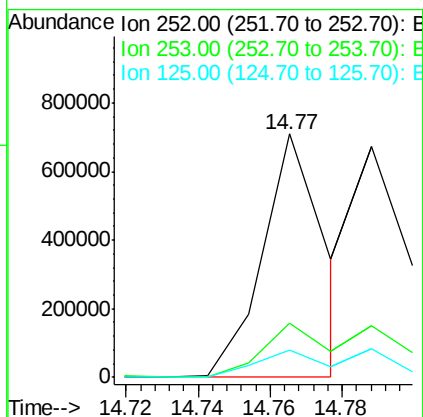
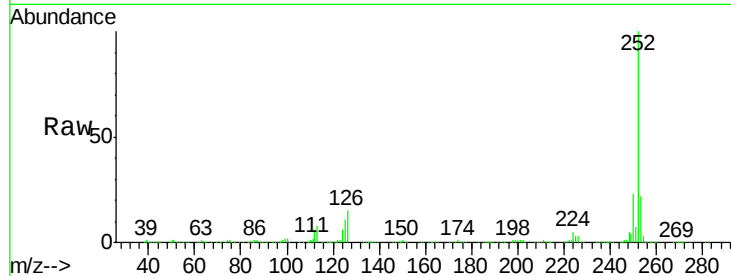
Instrument :
BNA_F

ClientSampleId :
E-19(11.5-12)MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	11.2	11.4	17.0

Manual Integrations
APPROVED

umangi
5/12/2016 9:10:07 AM



#88

Benzo(k)fluoranthene

Concen: 44.54 ng m

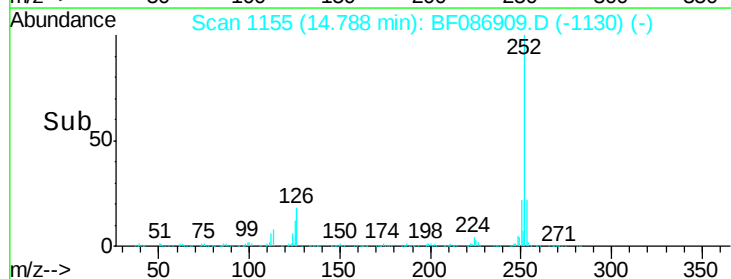
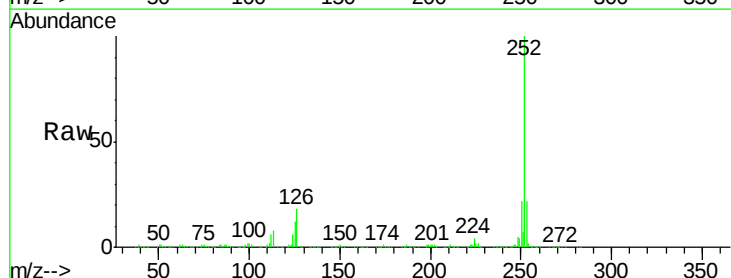
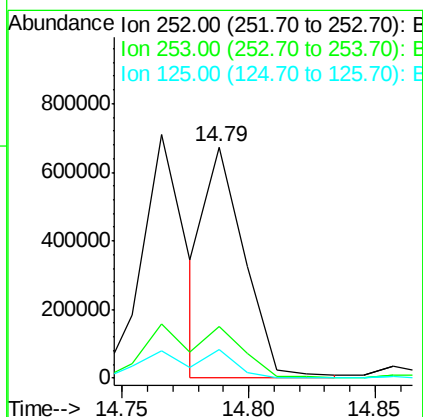
RT: 14.79 min Scan# 1155

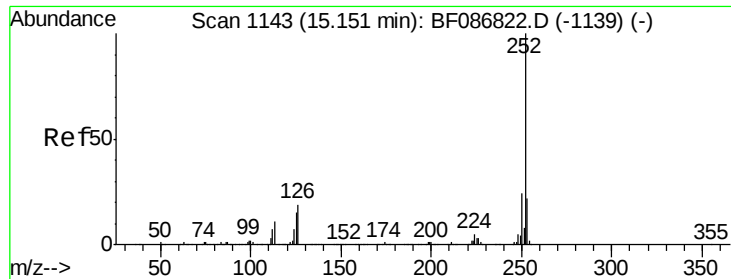
Delta R.T. -0.01 min

Lab File: BF086909.D

Acq: 12 May 2016 1:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	12.2	9.1	13.7





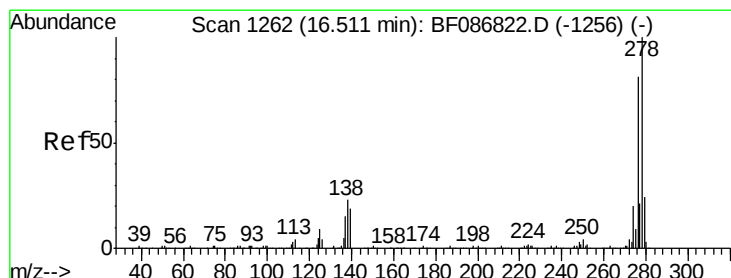
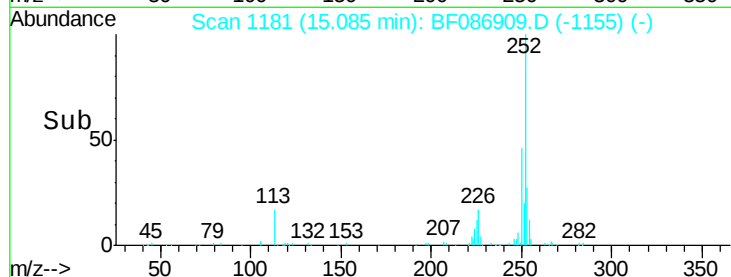
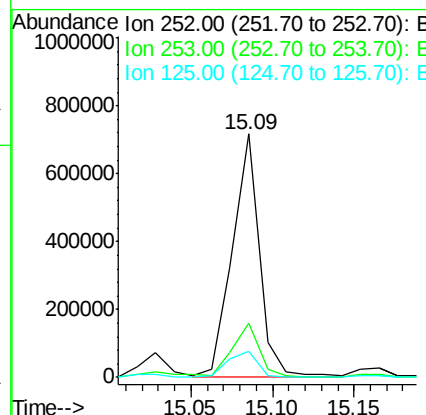
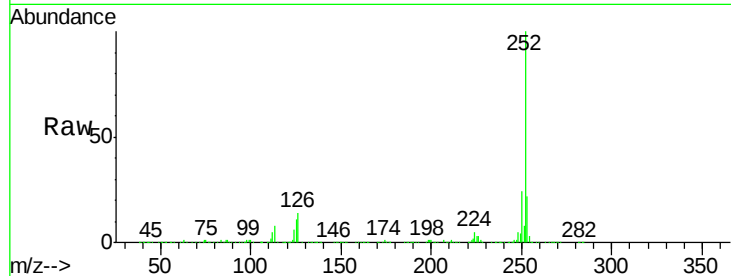
#89
Benzo(a)pyrene
Concen: 48.41 ng
RT: 15.09 min Scan# 1181
Delta R.T. 0.00 min
Lab File: BF086909.D
Acq: 12 May 2016 1:27

Instrument :
BNA_F
ClientSampleId :
E-19(11.5-12)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	818745		
253	22.4	17.2	25.8	
125	10.8	9.0	13.6	

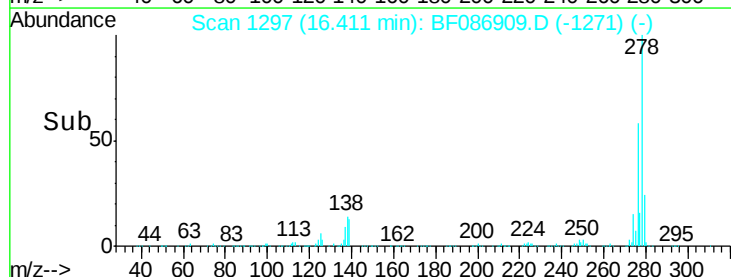
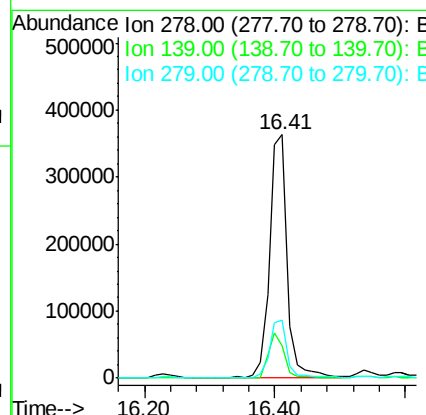
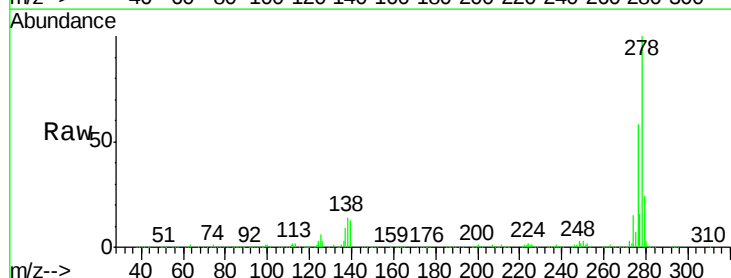
Manual Integrations
APPROVED

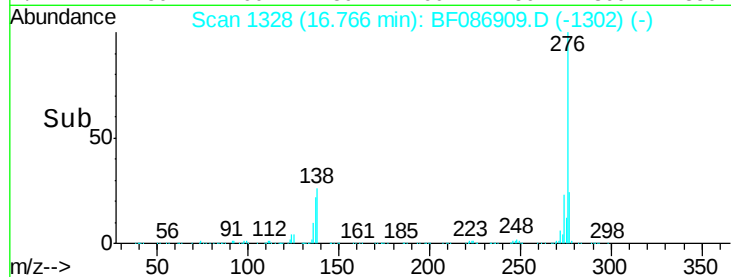
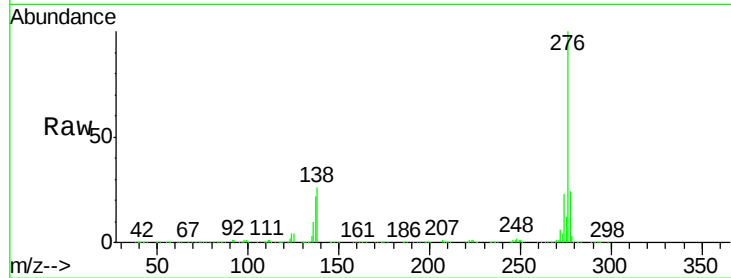
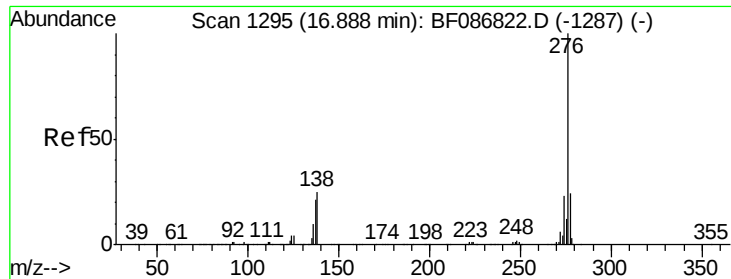
umangi
5/12/2016 9:10:07 AM



#90
Dibenzo(a,h)anthracene
Concen: 47.99 ng
RT: 16.41 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BF086909.D
Acq: 12 May 2016 1:27

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	684167		
139	13.2	16.6	24.8#	
279	24.0	19.6	29.4	





#91

Benzo(g,h,i)perylene

Concen: 51.53 ng

RT: 16.77 min Scan# 1328

Delta R.T. 0.00 min

Lab File: BF086909.D

Acq: 12 May 2016 1:27

Instrument :

BNA_F

ClientSampleId :

E-19(11.5-12)MSD

Tgt	Ion:276	Resp:	746426
Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.6	29.4
138	25.6	23.6	35.4

Manual Integrations
APPROVED

umangi
5/12/2016 9:10:07 AM

