

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101416\
 Data File : BF090558.D
 Acq On : 14 Oct 2016 9:13
 Operator : UM/SJ
 Sample : PB94017BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB94017BS

Manual Integrations
 APPROVED

Umangi
 10/14/2016 6:45:35 PM

Quant Time: Oct 14 13:22:43 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 14 02:03:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	266430	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	1170154	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	610227	20.00	ng	-0.01
63) Phenanthrene-d10	11.46	188	1020057	20.00	ng	0.00
75) Chrysene-d12	14.10	240	882468	20.00	ng	0.00
86) Perylene-d12	15.56	264	524081	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.54	112	1660004	114.22	ng	0.01
7) Phenol-d6	6.57	99	2396529	110.98	ng	0.01
23) Nitrobenzene-d5	7.48	82	1632722	77.51	ng	-0.01
41) 2,4,6-Tribromophenol	10.76	330	642018	118.01	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	2617124	70.67	ng	0.00
78) Terphenyl-d14	13.05	244	2704285	71.35	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.69	88	241659m	29.18	ng	
3) Pyridine	3.43	79	633572m	34.13	ng	
4) n-Nitrosodimethylamine	3.39	42	256198m	39.96	ng	
6) Aniline	6.59	93	409570	15.69	ng	# 79
8) 2-Chlorophenol	6.70	128	680272	36.10	ng	100
9) Benzaldehyde	6.46	77	163882m	13.47	ng	
10) Phenol	6.58	94	847734	34.32	ng	89
11) bis(2-Chloroethyl)ether	6.66	93	739359	36.28	ng	98
12) 1,3-Dichlorobenzene	6.86	146	647207	34.44	ng	98
13) 1,4-Dichlorobenzene	6.93	146	702955	34.39	ng	94
14) 1,2-Dichlorobenzene	7.09	146	696462	36.45	ng	98
15) Benzyl Alcohol	7.07	79	566008	38.48	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.19	45	1025895	35.77	ng	99
17) 2-Methylphenol	7.18	107	557277	37.95	ng	98
18) Hexachloroethane	7.43	117	287468	35.59	ng	92
19) n-Nitroso-di-n-propylamine	7.33	70	552762	37.33	ng	96
20) 3+4-Methylphenols	7.33	107	680587	38.23	ng	95
22) Acetophenone	7.33	105	968149	37.45	ng	95
24) Nitrobenzene	7.50	77	773575	35.78	ng	94
25) Isophorone	7.74	82	1466962	38.26	ng	98
26) 2-Nitrophenol	7.82	139	365653	37.28	ng	92
27) 2,4-Dimethylphenol	7.87	122	622127	38.23	ng	98
28) bis(2-Chloroethoxy)methane	7.96	93	907742	40.10	ng	99
29) 2,4-Dichlorophenol	8.06	162	523656	36.73	ng	90
30) 1,2,4-Trichlorobenzene	8.14	180	556391	33.32	ng	96
31) Naphthalene	8.22	128	1967714	33.01	ng	99
32) Benzoic acid	7.99	122	251700	25.18	ng	96
33) 4-Chloroaniline	8.29	127	219794	9.65	ng	95
34) Hexachlorobutadiene	8.35	225	334700	35.88	ng	98
35) Caprolactam	8.66	113	186581m	46.90	ng	
36) 4-Chloro-3-methylphenol	8.77	107	635025	38.61	ng	# 83
37) 2-Methylnaphthalene	8.92	142	1278931	36.53	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.09	216	580479	35.88	ng	99
40) Hexachlorocyclopentadiene	9.08	237	648984	82.11	ng	98

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101416\
 Data File : BF090558.D
 Acq On : 14 Oct 2016 9:13
 Operator : UM/SJ
 Sample : PB94017BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB94017BS

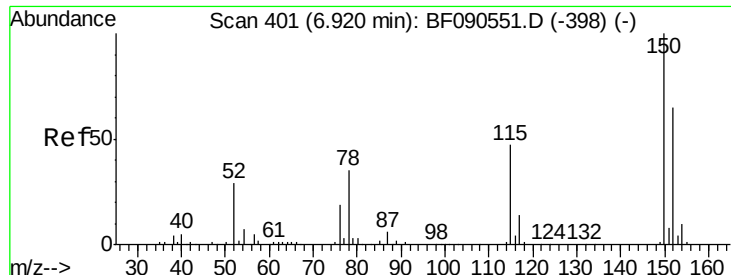
Manual Integrations
 APPROVED

Umangi
 10/14/2016 6:45:35 PM

Quant Time: Oct 14 13:22:43 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 14 02:03:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.21	196	377775	41.39	nq	100
43) 2,4,5-Trichlorophenol	9.25	196	383261	35.20	nq #	85
45) 1,1'-Biphenyl	9.39	154	1641976	35.36	nq	99
46) 2-Chloronaphthalene	9.41	162	1284600	37.10	nq	98
47) 2-Nitroaniline	9.51	65	453479	36.13	nq	94
48) Acenaphthylene	9.82	152	1843066	33.43	nq	100
49) Dimethylphthalate	9.69	163	1350455	34.11	nq	99
50) 2,6-Dinitrotoluene	9.75	165	308990	35.67	nq	97
51) Acenaphthene	9.99	154	1264859	34.52	nq	99
52) 3-Nitroaniline	9.93	138	224660	20.67	nq	97
53) 2,4-Dinitrophenol	10.03	184	220756	49.28	nq #	79
54) Dibenzofuran	10.18	168	1709378	35.46	nq	100
55) 4-Nitrophenol	10.10	139	522859	79.92	nq #	82
56) 2,4-Dinitrotoluene	10.15	165	449532	38.20	nq	94
57) Fluorene	10.52	166	1329079	33.42	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.29	232	348124	38.39	nq	99
59) Diethylphthalate	10.39	149	1461125	36.39	nq #	92
60) 4-Chlorophenyl-phenylether	10.51	204	676549	36.09	nq	96
61) 4-Nitroaniline	10.54	138	308169	28.27	nq	95
62) Azobenzene	10.67	77	1538777	33.13	nq	95
64) 4,6-Dinitro-2-methylphenol	10.57	198	170930	27.69	nq	92
65) n-Nitrosodiphenylamine	10.63	169	1149306	34.11	nq	100
66) 4-Bromophenyl-phenylether	11.00	248	413843	37.81	nq	98
67) Hexachlorobenzene	11.06	284	407891	34.32	nq	94
68) Atrazine	11.16	200	358892	38.51	nq	92
69) Pentachlorophenol	11.26	266	471729	80.09	nq	98
70) Phenanthrene	11.48	178	2023244	37.16	nq	99
71) Anthracene	11.53	178	1905753	32.52	nq	100
72) Carbazole	11.69	167	1723755	32.86	nq	100
73) Di-n-butylphthalate	12.02	149	2205656	35.89	nq	100
74) Fluoranthene	12.67	202	1993898	36.41	nq	99
76) Benzidine	12.80	184	132216	6.02	nq	99
77) Pyrene	12.90	202	1960263	33.54	nq	100
79) Butylbenzylphthalate	13.52	149	955339	36.89	nq	97
80) Benzo(a)anthracene	14.09	228	1748713	34.81	nq	100
81) 3,3'-Dichlorobenzidine	14.05	252	325513	18.97	nq	98
82) Chrysene	14.12	228	1455536	30.07	nq	98
83) Bis(2-ethylhexyl)phthalate	14.08	149	1300977	37.24	nq	98
84) Di-n-octyl phthalate	14.69	149	2036768	43.48	nq	99
85) Indeno(1,2,3-cd)pyrene	17.01	276	996513	35.61	nq	99
87) Benzo(b)fluoranthene	15.13	252	1384233	40.36	nq	99
88) Benzo(k)fluoranthene	15.16	252	1153729m	31.27	nq	
89) Benzo(a)pyrene	15.49	252	1108544	35.31	nq	99
90) Dibenzo(a,h)anthracene	17.02	278	850424	35.52	nq	99
91) Benzo(g,h,i)perylene	17.45	276	802173	35.14	nq	100

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.92 min Scan# 401

Delta R.T. 0.00 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

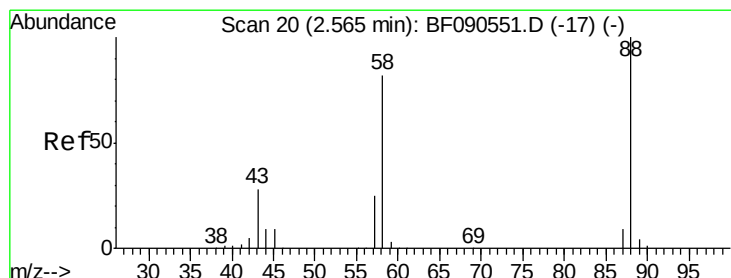
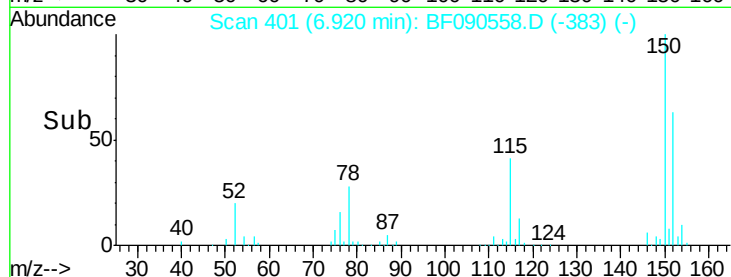
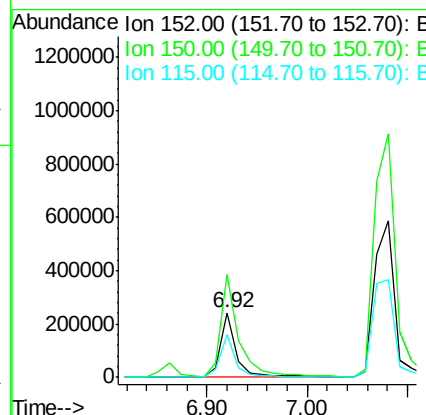
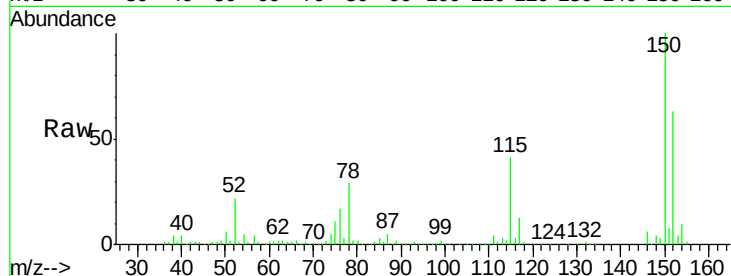
ClientSampleId :

PB94017BS

Tot Ion:	152	Resp:	266430
Ion Ratio	Lower	Upper	
152	100		
150	158.9	127.2	190.8
115	64.8	58.6	88.0

Manual Integrations
APPROVED

Umangi
10/14/2016 6:45:35 PM



#2

1,4-Dioxane

Concen: 29.18 ng m

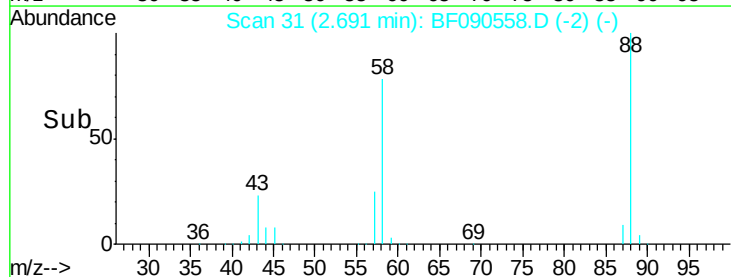
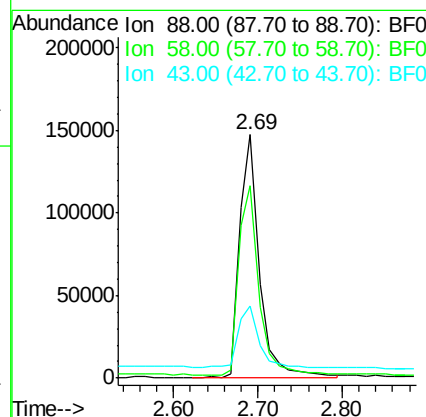
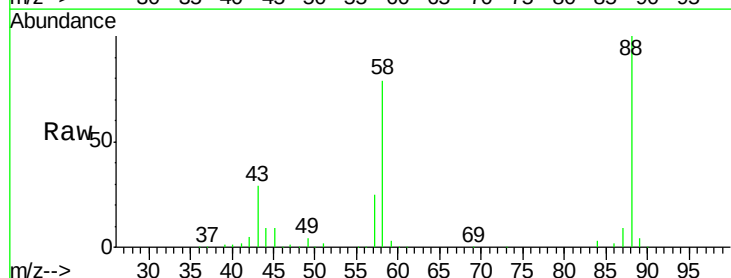
RT: 2.69 min Scan# 31

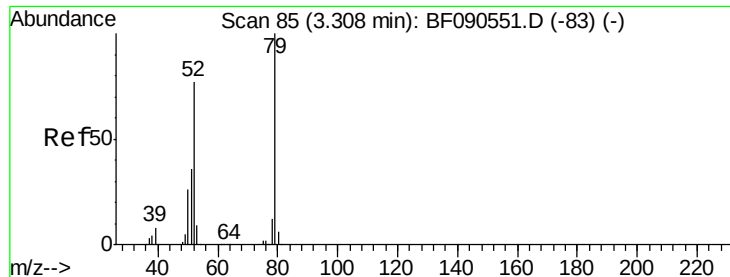
Delta R.T. 0.13 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Tgt Ion:	88	Resp:	241659
Ion Ratio	Lower	Upper	
88	100		
58	74.6	67.2	100.8
43	24.3	24.1	36.1





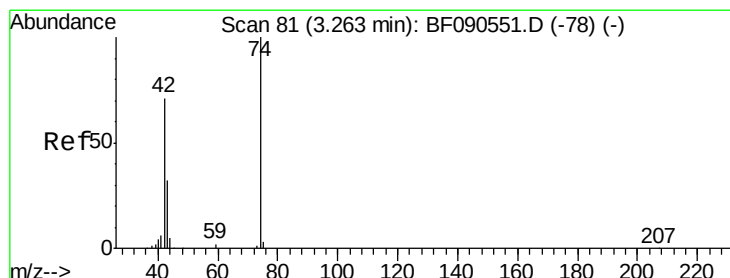
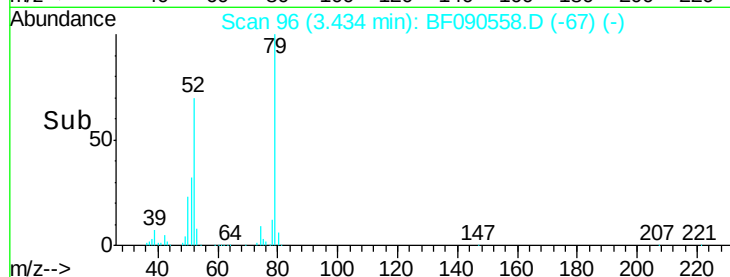
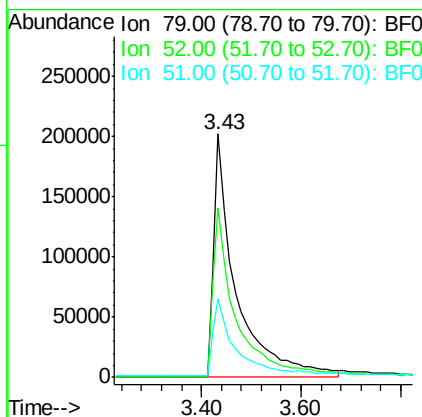
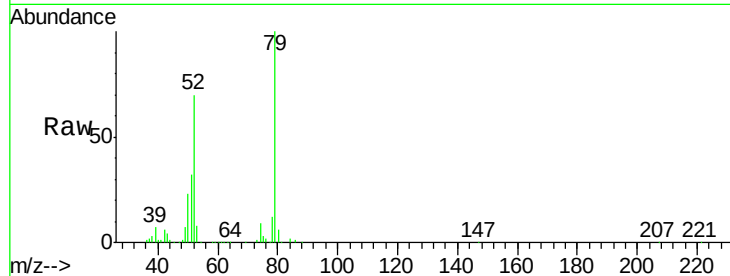
#3
 Pvridine
 Concen: 34.13 ng m
 RT: 3.43 min Scan# 96
 Delta R.T. 0.13 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Instrument :
 BNA_F
 ClientSampleId :
 PB94017BS

Tot Ion	Ratio	Lower	Upper
79	100		
52	69.6	61.8	92.8
51	32.4	29.2	43.8

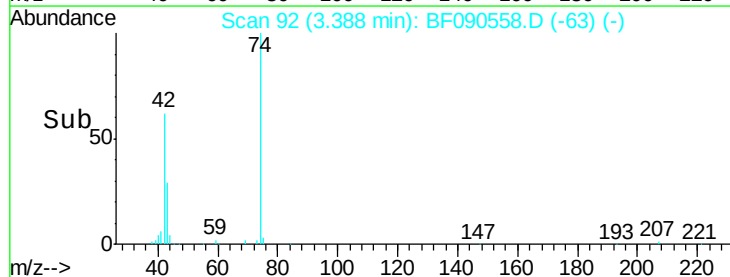
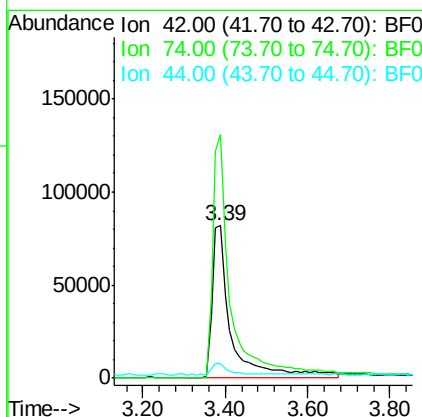
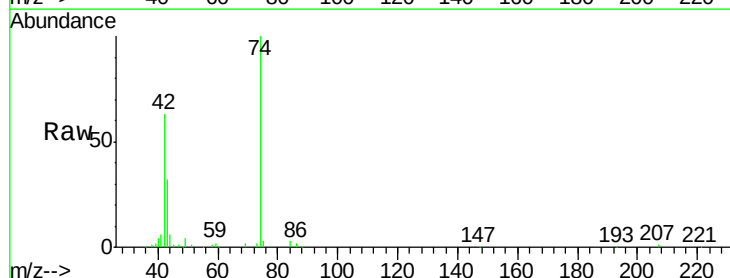
Manual Integrations
 APPROVED

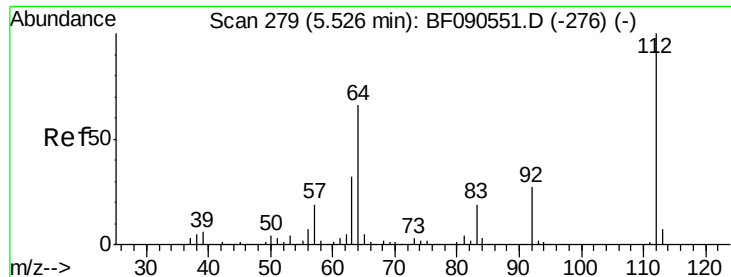
Umangi
 10/14/2016 6:45:35 PM



#4
 n-Nitrosodimethylamine
 Concen: 39.96 ng m
 RT: 3.39 min Scan# 92
 Delta R.T. 0.13 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Tgt Ion	Ratio	Lower	Upper
42	100		
74	159.6	113.3	169.9
44	9.6	6.0	9.0#





#5

2-Fluorophenol

Concen: 114.22 ng

RT: 5.54 min Scan# 280

Delta R.T. 0.01 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

Tot Ion:112 Resp: 1660004

Ion Ratio Lower Upper

112 100

64 70.7 52.6 78.8

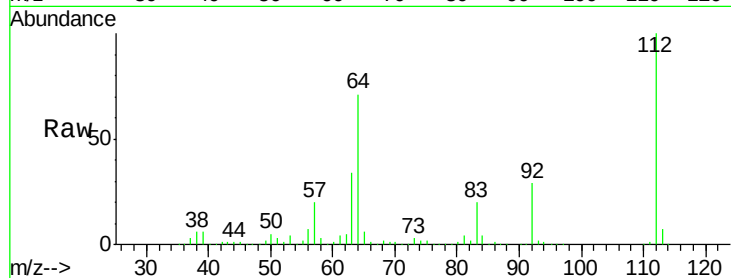
63 34.1 26.0 39.0

Manual Integrations

APPROVED

Umangi

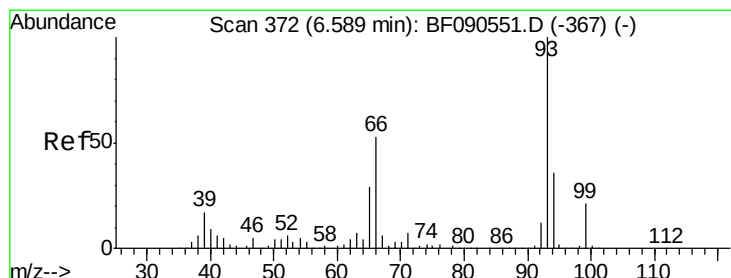
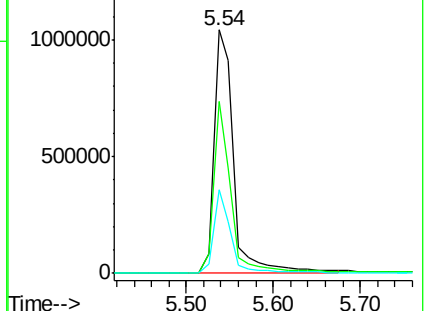
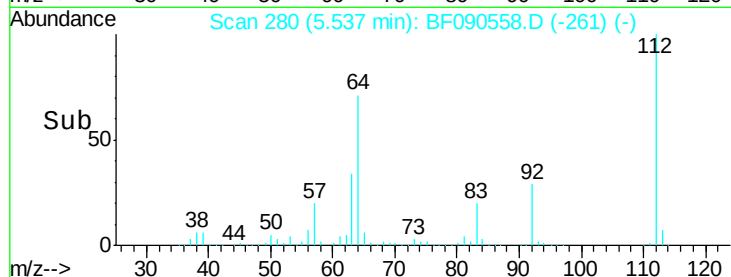
10/14/2016 6:45:35 PM



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 15.69 ng

RT: 6.59 min Scan# 372

Delta R.T. 0.00 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

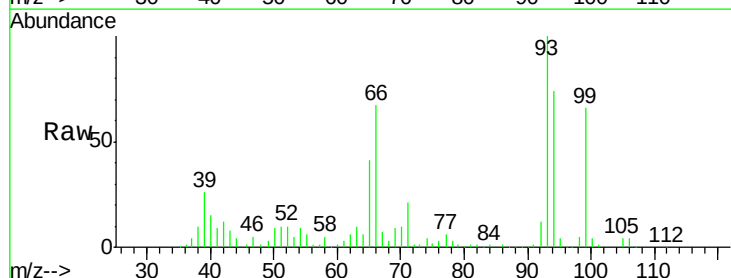
Tgt Ion: 93 Resp: 409570

Ion Ratio Lower Upper

93 100

66 66.7 42.2 63.2#

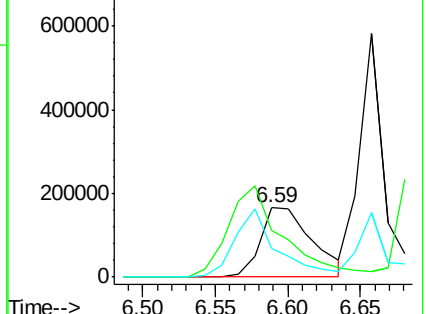
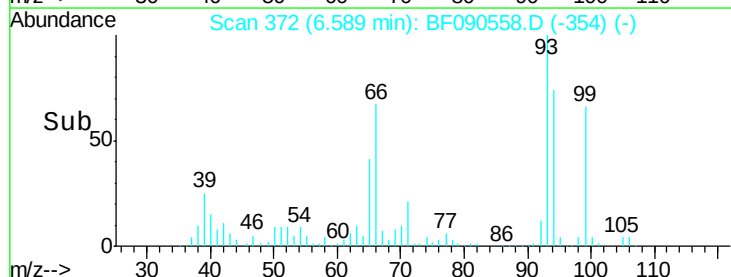
65 40.6 22.9 34.3#

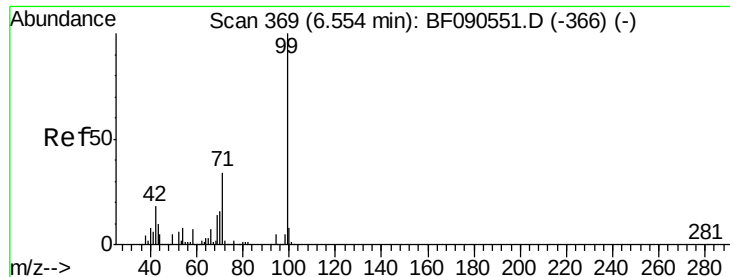


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 110.98 ng

RT: 6.57 min Scan# 370

Delta R.T. 0.01 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

Tot Ion: 99 Resp: 2396529

Ion Ratio Lower Upper

99 100

42 14.9 14.7 22.1

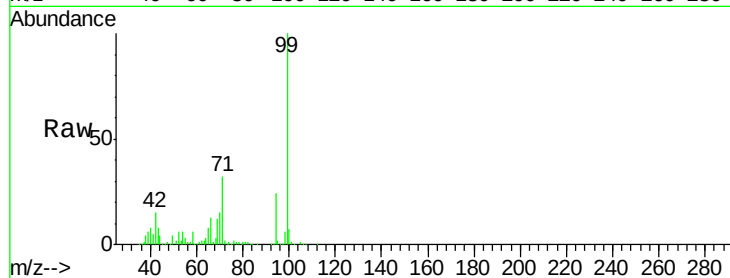
71 31.6 27.6 41.4

Manual Integrations

APPROVED

Umangi

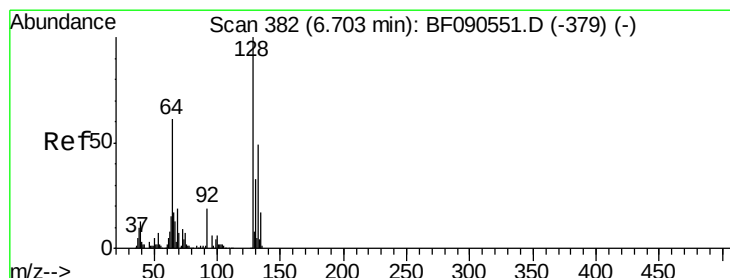
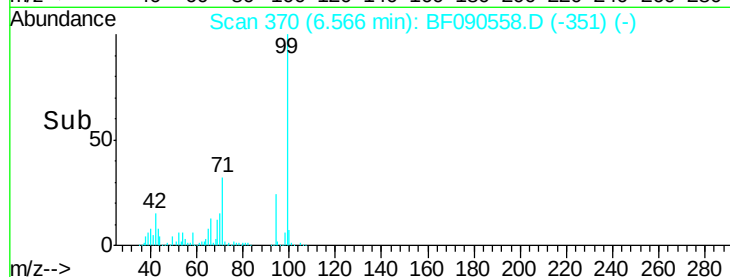
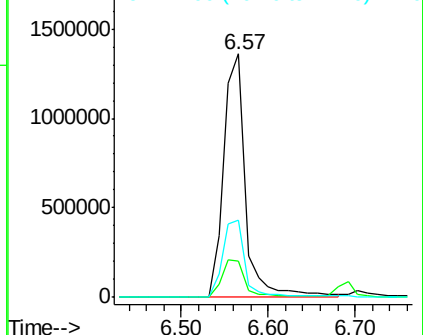
10/14/2016 6:45:35 PM



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 36.10 ng

RT: 6.70 min Scan# 382

Delta R.T. 0.00 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

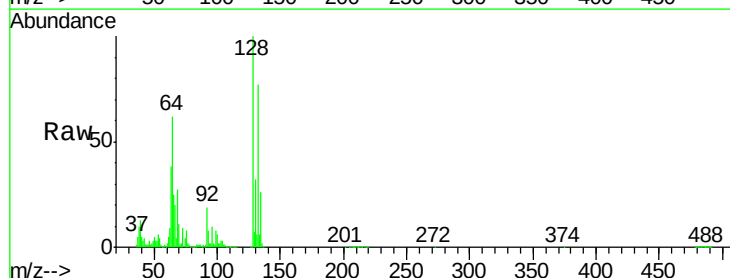
Tgt Ion:128 Resp: 680272

Ion Ratio Lower Upper

128 100

130 32.2 12.6 52.6

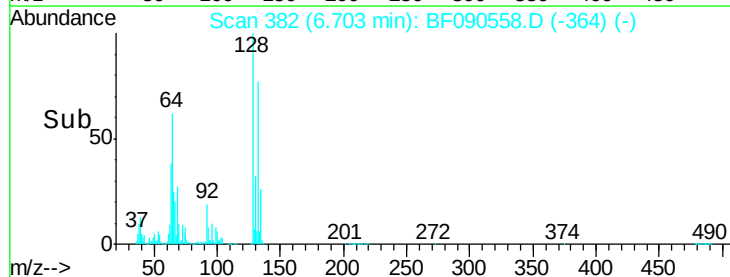
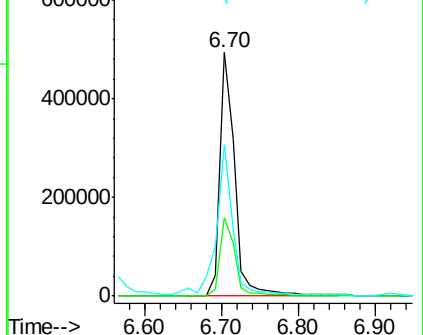
64 62.3 42.6 82.6

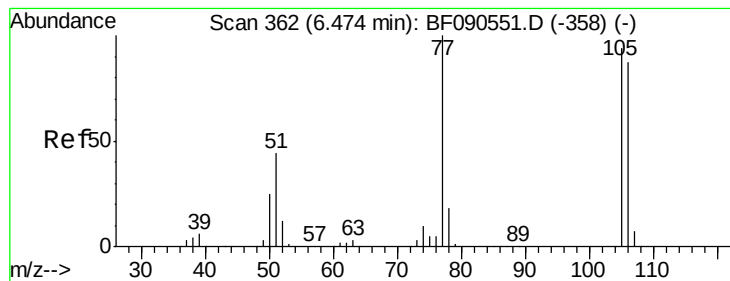


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 13.47 ng/mL

RT: 6.46 min Scan# 361

Delta R.T. -0.01 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

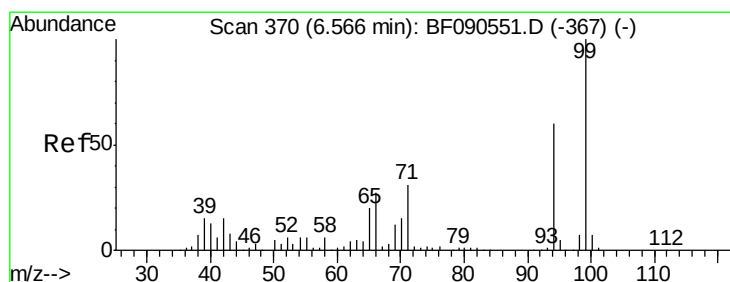
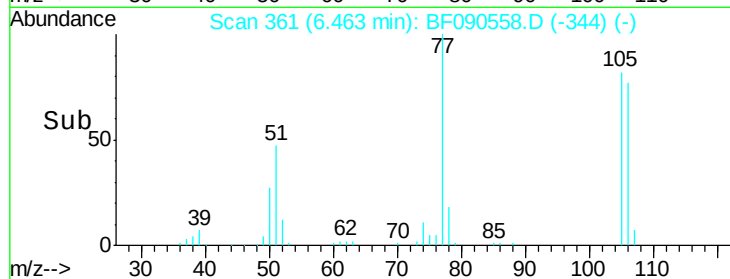
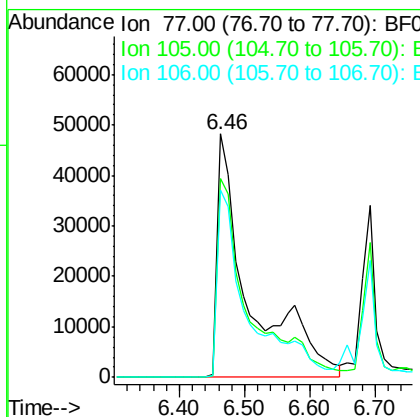
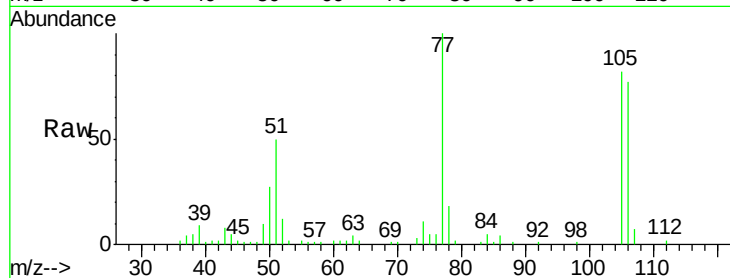
ClientSampleID :

PB94017BS

Tot Ion:	77	Resp:	163882
Ion	Ratio	Lower	Upper
77	100		
105	81.7	74.3	114.3
106	76.8	67.2	107.2

Manual Integrations
APPROVED

Umangi
10/14/2016 6:45:35 PM



#10

Phenol

Concen: 34.32 ng/mL

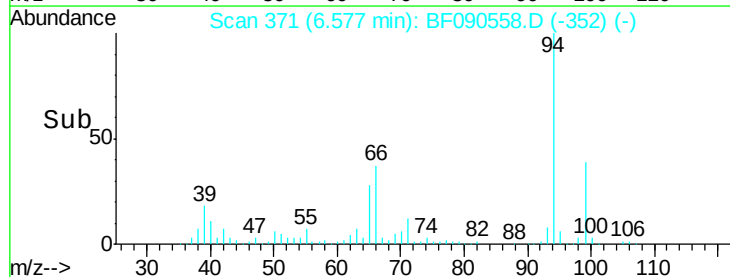
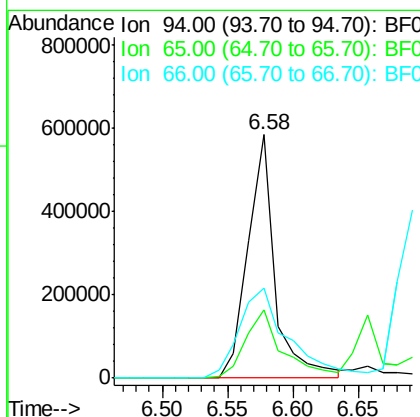
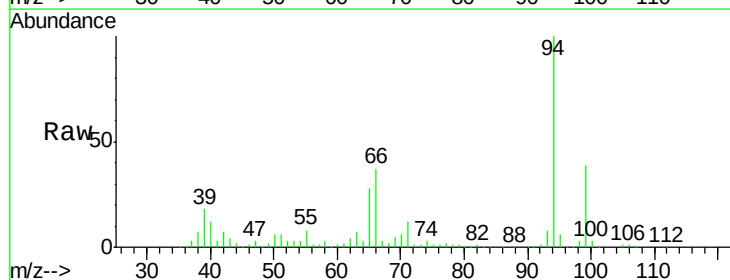
RT: 6.58 min Scan# 371

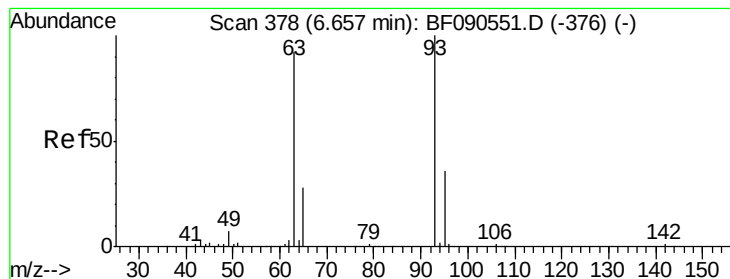
Delta R.T. 0.01 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Tgt Ion:	94	Resp:	847734
Ion	Ratio	Lower	Upper
94	100		
65	27.8	12.5	52.5
66	37.0	25.5	65.5





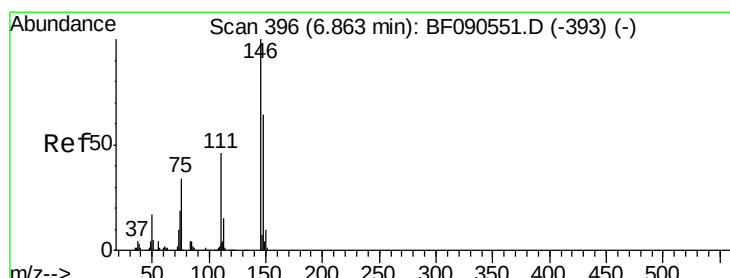
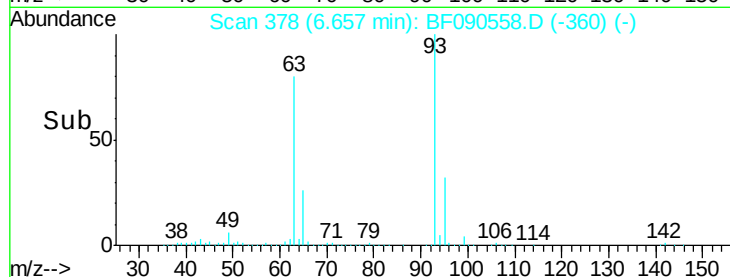
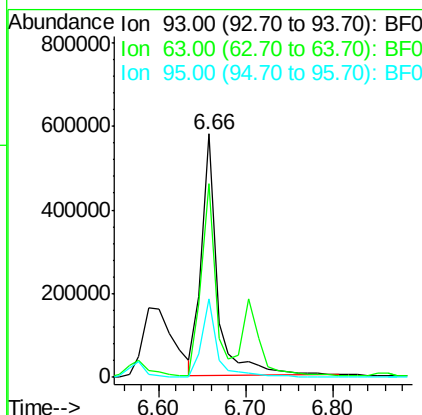
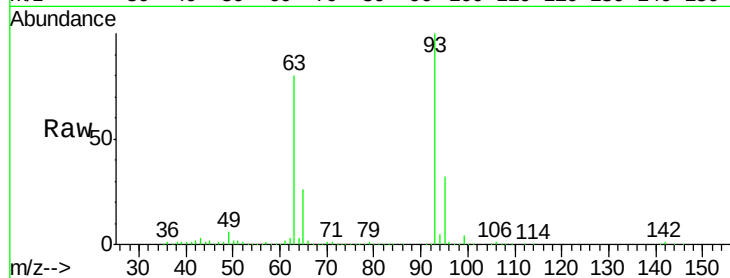
#11
bis(2-Chloroethyl)ether
Concen: 36.28 ng
RT: 6.66 min Scan# 378
Delta R.T. 0.00 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Instrument :
BNA_F
ClientSampleId :
PB94017BS

Tot Ion:	93	Resp:	739359
Ion	Ratio	Lower	Upper
93	100		
63	79.6	61.6	101.6
95	32.4	11.8	51.8

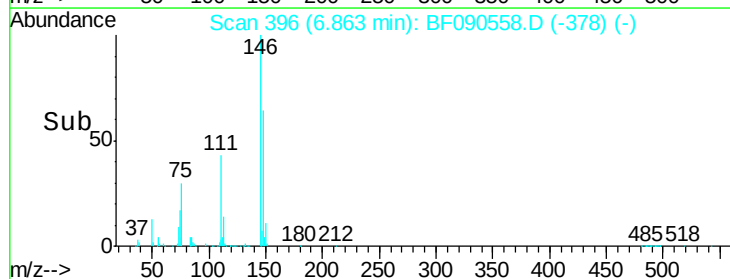
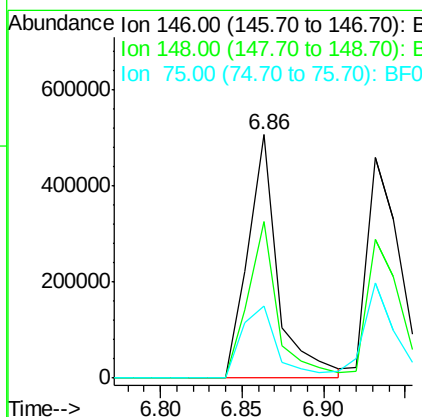
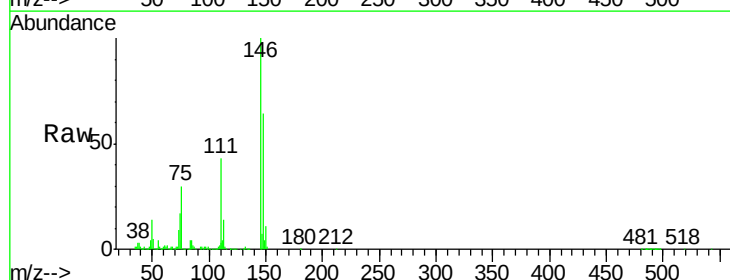
Manual Integrations
APPROVED

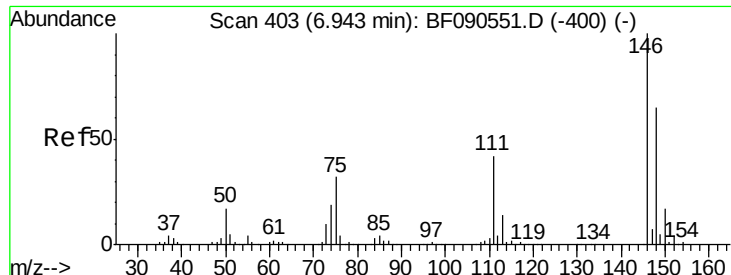
Umangi
10/14/2016 6:45:35 PM



#12
1,3-Dichlorobenzene
Concen: 34.44 ng
RT: 6.86 min Scan# 396
Delta R.T. 0.00 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Tgt Ion:	146	Resp:	647207
Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.2
75	29.8	27.0	40.6





#13

1,4-Dichlorobenzene

Concen: 34.39 ng

RT: 6.93 min Scan# 402

Delta R.T. -0.01 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

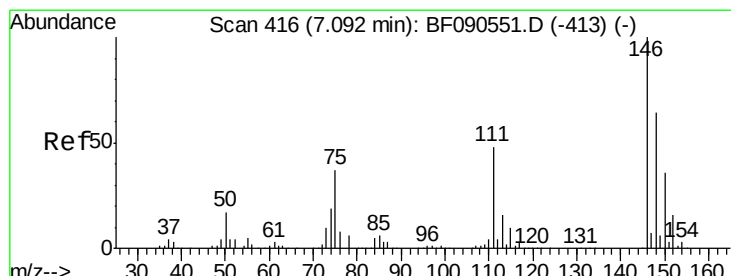
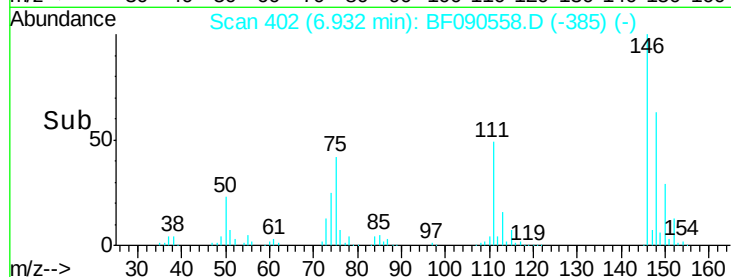
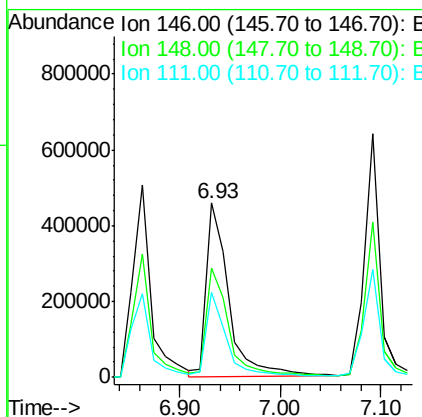
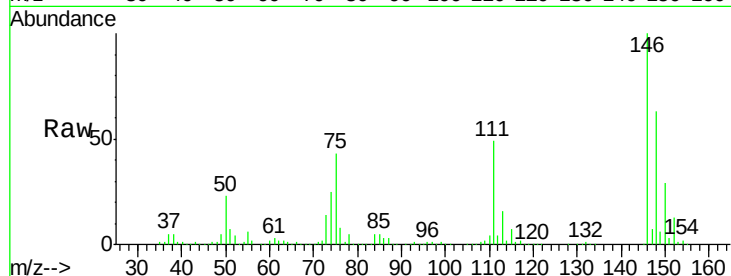
ClientSampleId :

PB94017BS

Tot Ion:	146	Resp:	702955
Ion Ratio	Lower	Upper	
146	100		
148	62.8	51.9	77.9
111	49.1	33.7	50.5

Manual Integrations
APPROVED

Umangi
10/14/2016 6:45:35 PM



#14

1,2-Dichlorobenzene

Concen: 36.45 ng

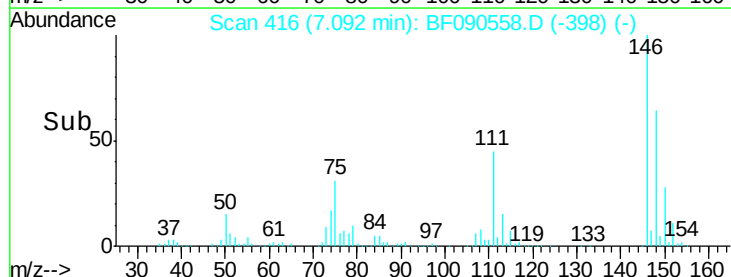
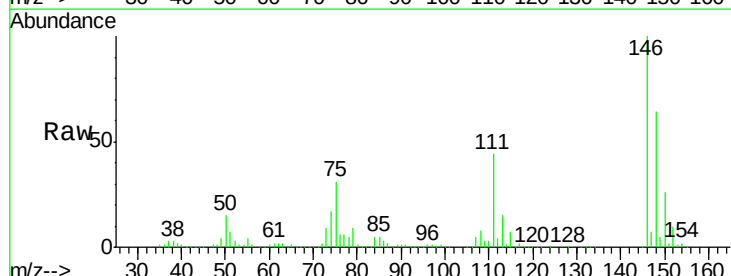
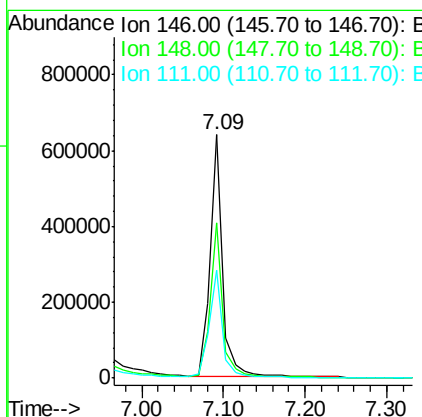
RT: 7.09 min Scan# 416

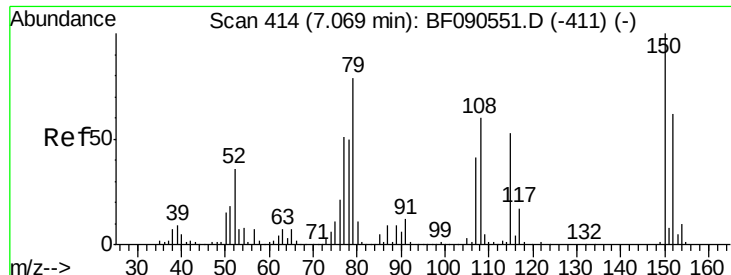
Delta R.T. 0.00 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Tgt Ion:	146	Resp:	696462
Ion Ratio	Lower	Upper	
146	100		
148	63.9	51.2	76.8
111	44.5	38.2	57.2





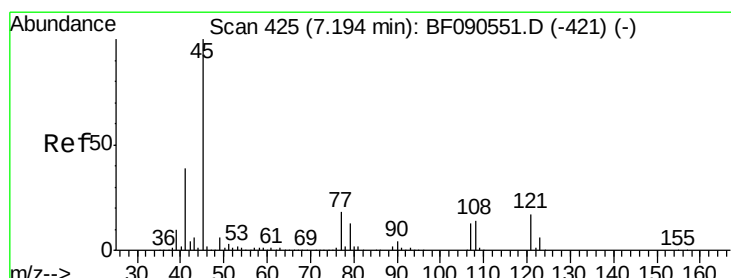
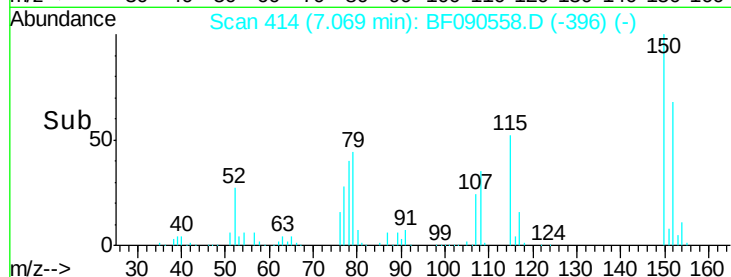
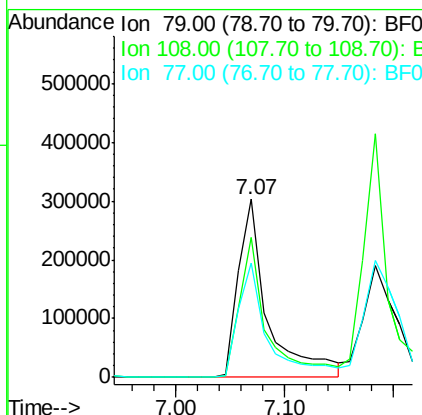
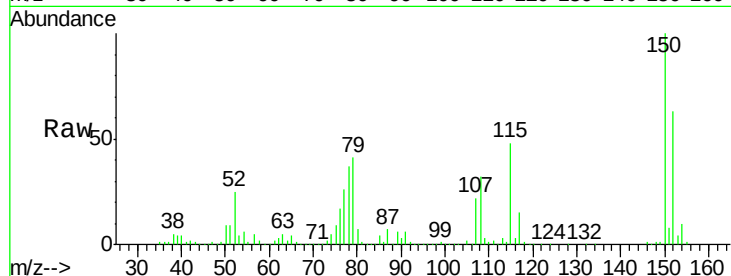
#15
Benzyl Alcohol
Concen: 38.48 ng
RT: 7.07 min Scan# 414
Delta R.T. 0.00 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Instrument :
BNA_F
ClientSampled :
PB94017BS

Tot Ion	Ratio	Lower	Upper
79	100		
108	78.6	60.2	90.4
77	64.1	52.0	78.0

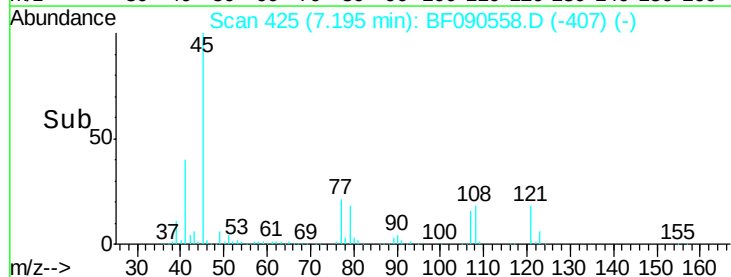
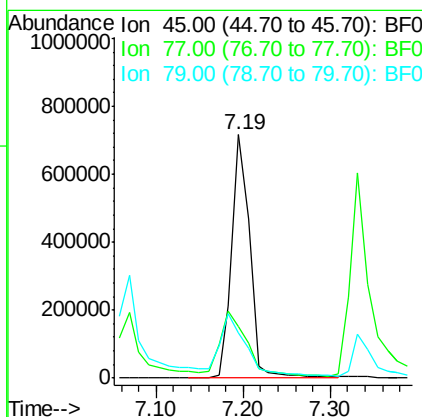
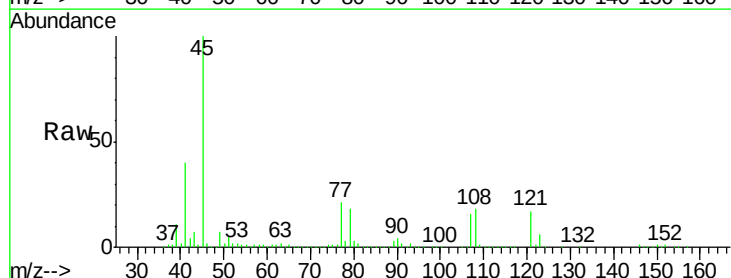
Manual Integrations
APPROVED

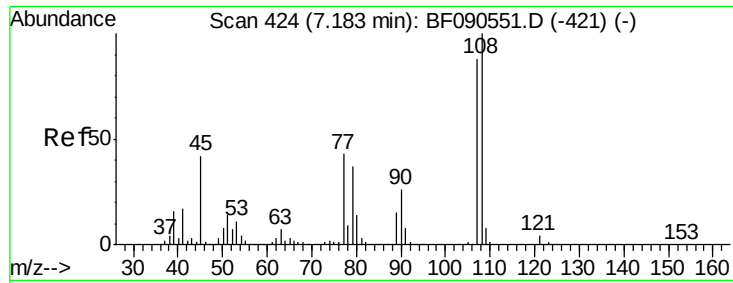
Umangi
10/14/2016 6:45:35 PM



#16
2,2'-oxybis(1-chloropropane)
Concen: 35.77 ng
RT: 7.19 min Scan# 425
Delta R.T. 0.00 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Tgt Ion	Ratio	Lower	Upper
45	100		
77	21.2	0.9	40.9
79	18.3	0.0	37.3





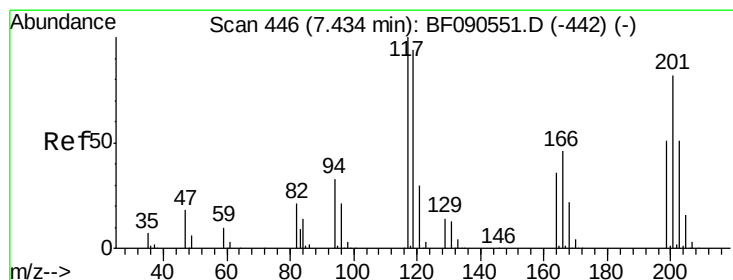
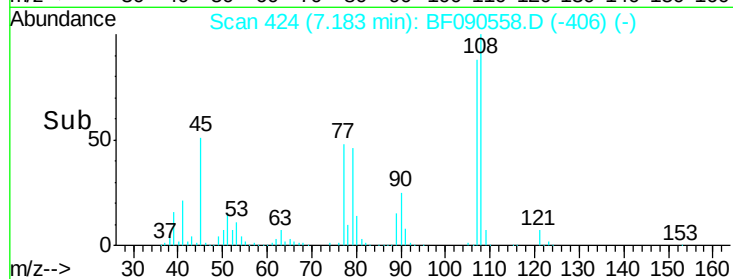
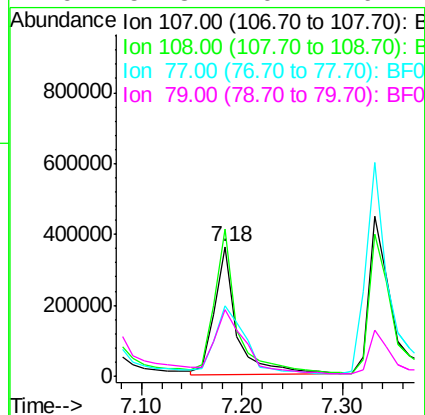
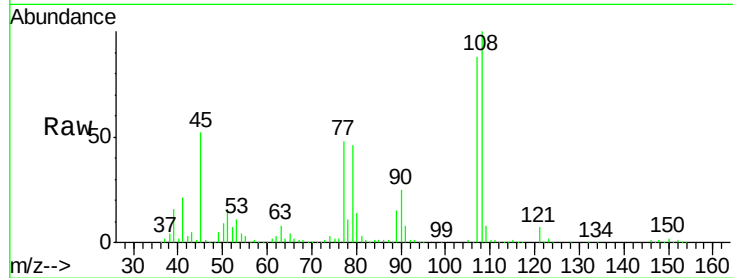
#17
2-Methylphenol
Concen: 37.95 ng
RT: 7.18 min Scan# 424
Delta R.T. 0.00 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Instrument :
BNA_F
ClientSampled :
PB94017BS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.2	92.6	138.8	
77	54.2	42.2	63.2	
79	51.8	40.7	61.1	

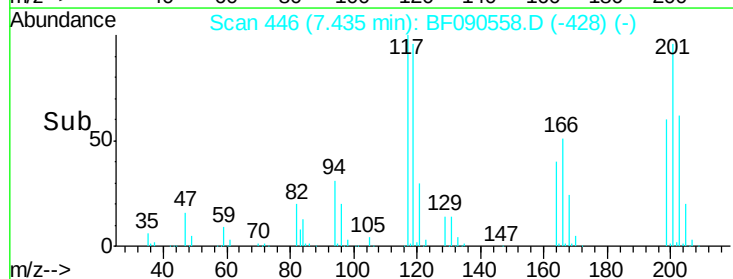
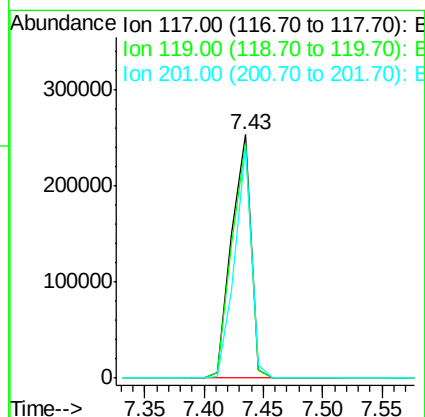
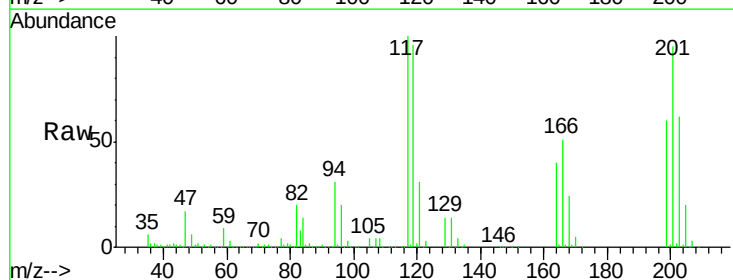
Manual Integrations
APPROVED

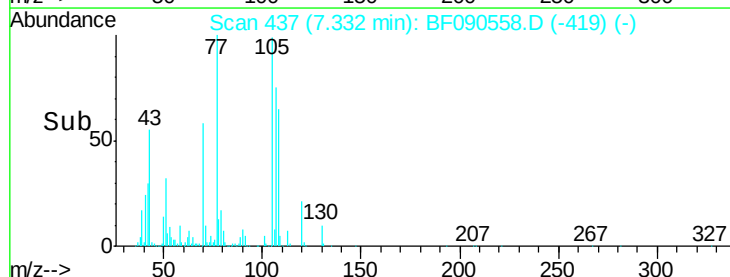
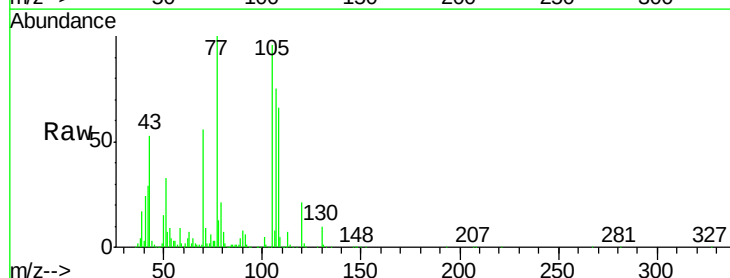
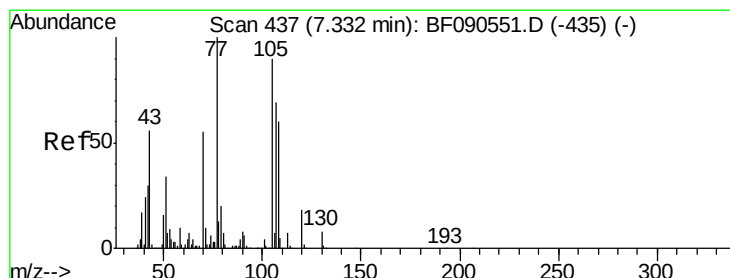
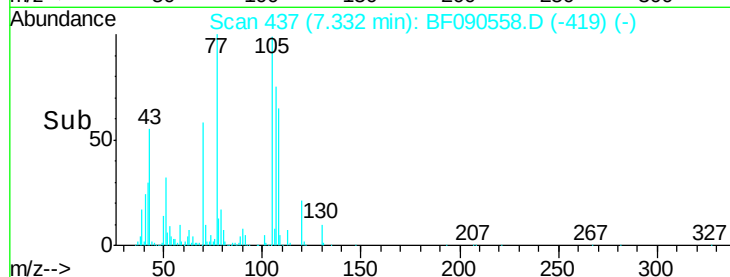
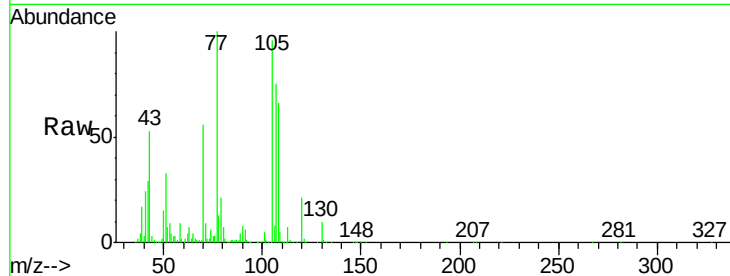
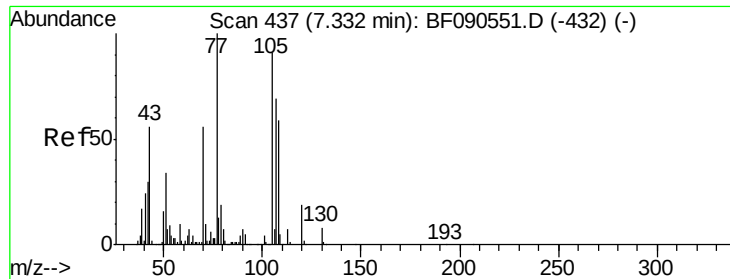
Umangi
10/14/2016 6:45:35 PM



#18
Hexachloroethane
Concen: 35.59 ng
RT: 7.43 min Scan# 446
Delta R.T. 0.00 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.1	75.6	113.4	
201	95.4	65.4	98.0	





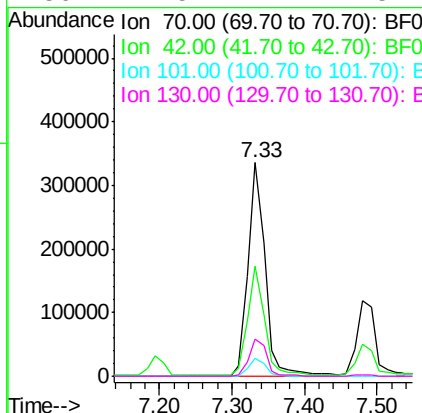
#19
n-Nitroso-di-n-propylamine
Concen: 37.33 ng
RT: 7.33 min Scan# 437
Delta R.T. 0.00 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Instrument :
BNA_F
ClientSampleId :
PB94017BS

Tot Ion	Ratio	Resp Lower	Upper
70	100		
42	51.8	43.4	65.0
101	8.7	6.4	9.6
130	17.5	12.1	18.1

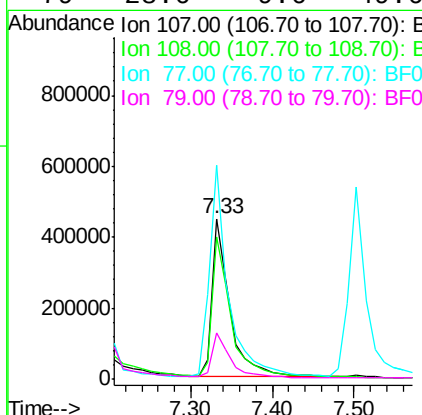
Manual Integrations
APPROVED

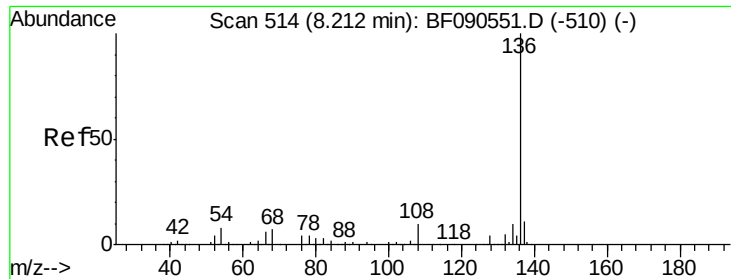
Umangi
10/14/2016 6:45:35 PM



#20
3+4-Methylphenols
Concen: 38.23 ng
RT: 7.33 min Scan# 437
Delta R.T. 0.00 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Tgt Ion	Ratio	Resp Lower	Upper
107	100		
108	88.5	67.7	107.7
77	133.4	123.1	163.1
79	28.6	9.6	49.6





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.21 min Scan# 514

Delta R.T. 0.00 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

Tot Ion:136 Resp: 1170154

Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

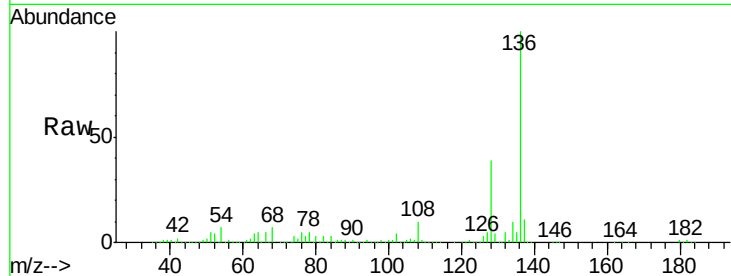
54 7.3 6.8 10.2

68 6.6 6.0 9.0

Manual Integrations
APPROVED

Umangi

10/14/2016 6:45:35 PM

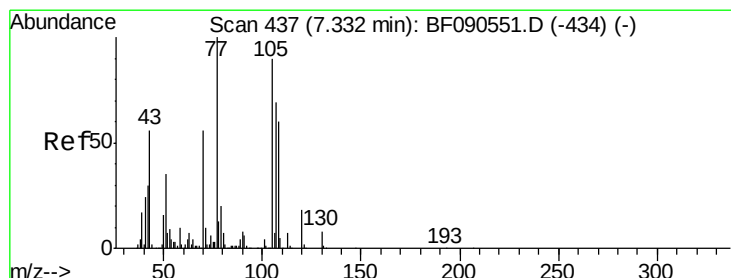
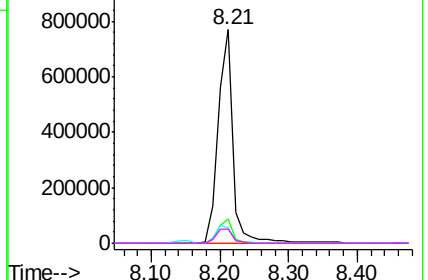
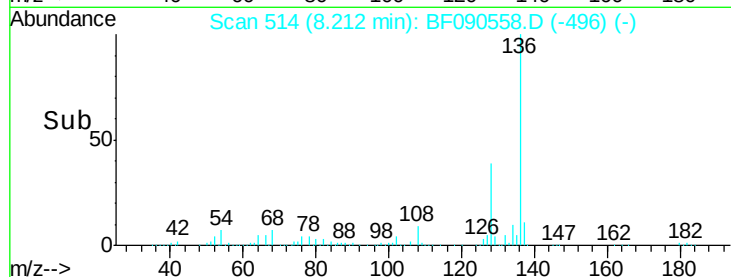


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 37.45 ng

RT: 7.33 min Scan# 437

Delta R.T. 0.00 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Tgt Ion:105 Resp: 968149

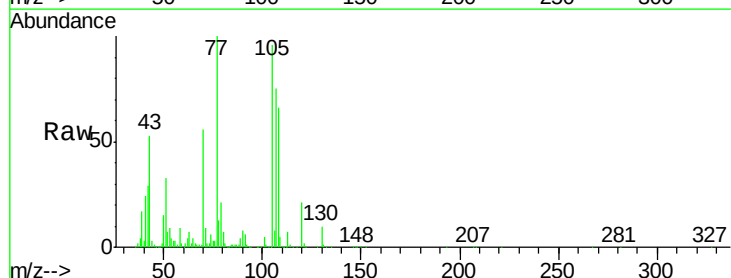
Ion Ratio Lower Upper

105 100

71 9.7 8.5 12.7

51 33.9 31.0 46.4

120 21.5 16.2 24.4

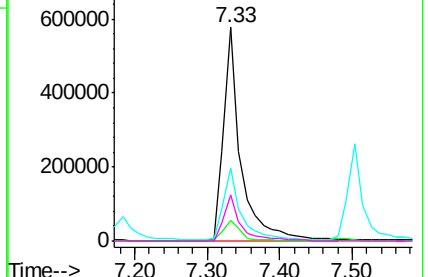
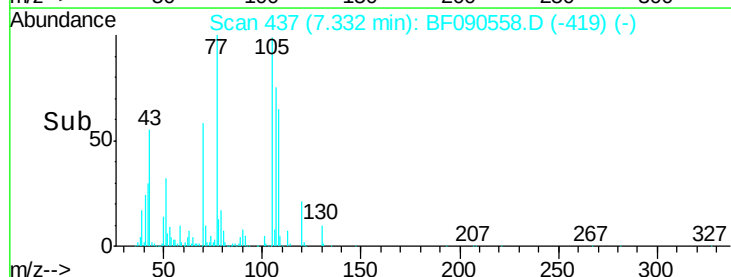


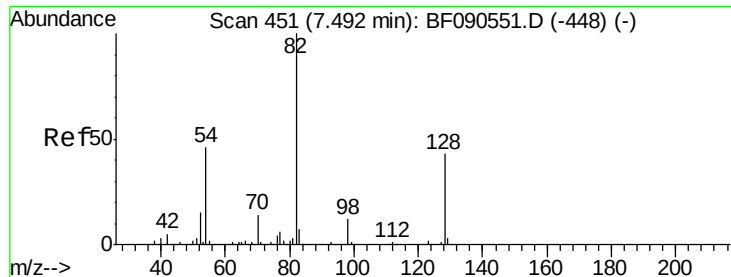
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





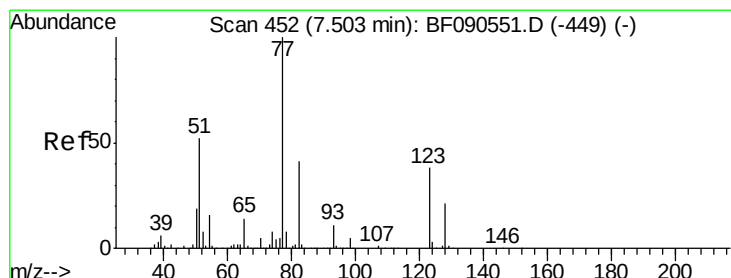
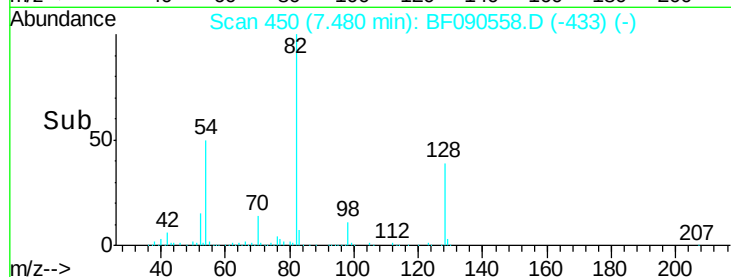
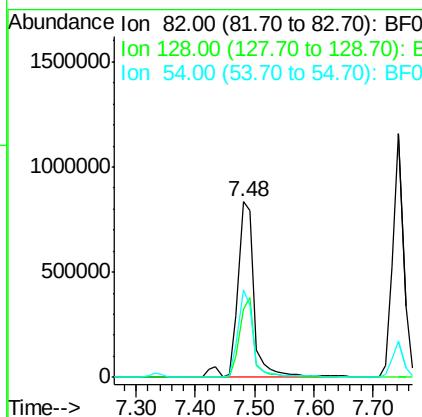
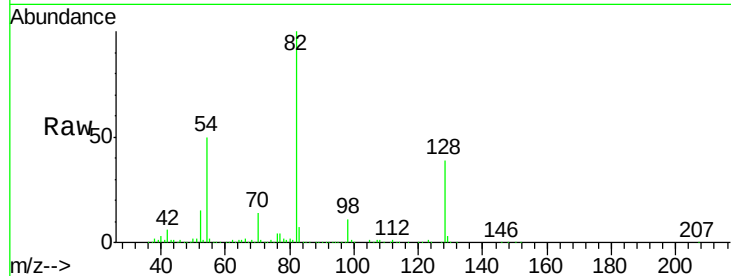
#23
 Nitrobenzene-d5
 Concen: 77.51 ng
 RT: 7.48 min Scan# 450
 Delta R.T. -0.01 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Instrument :
 BNA_F
 ClientSampleId :
 PB94017BS

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.2	34.3	51.5
54	49.7	37.0	55.6

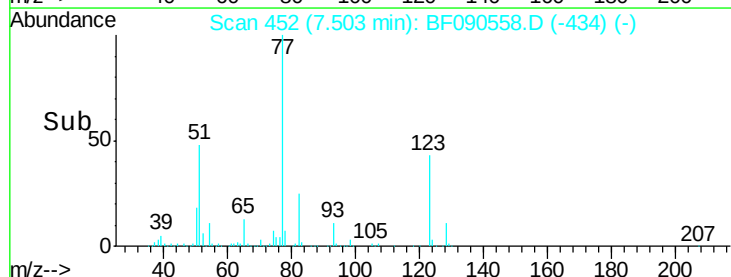
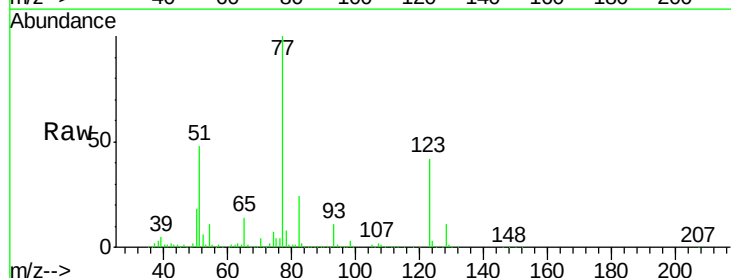
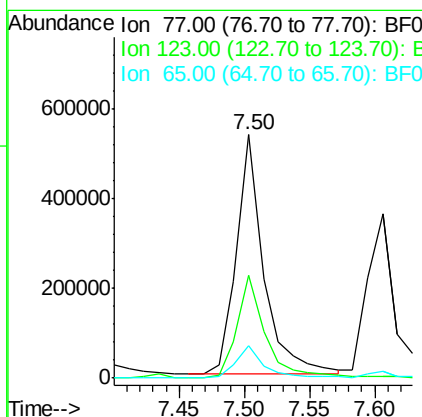
Manual Integrations
 APPROVED

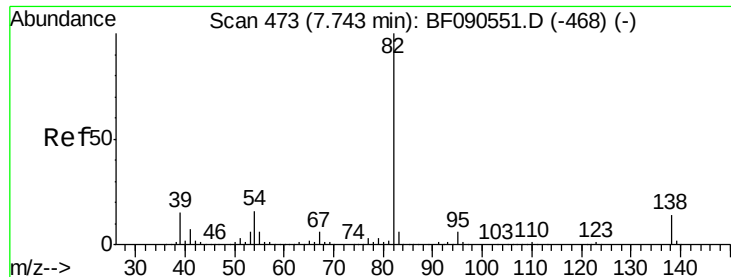
Umangi
 10/14/2016 6:45:35 PM



#24
 Nitrobenzene
 Concen: 35.78 ng
 RT: 7.50 min Scan# 452
 Delta R.T. 0.00 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Tgt Ion	Ratio	Lower	Upper
77	100		
123	42.2	29.8	44.6
65	13.5	10.9	16.3





#25

Isophorone

Concen: 38.26 ng

RT: 7.74 min Scan# 473

Delta R.T. 0.00 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

Tot Ion: 82 Resp: 1466962

Ion Ratio Lower Upper

82 100

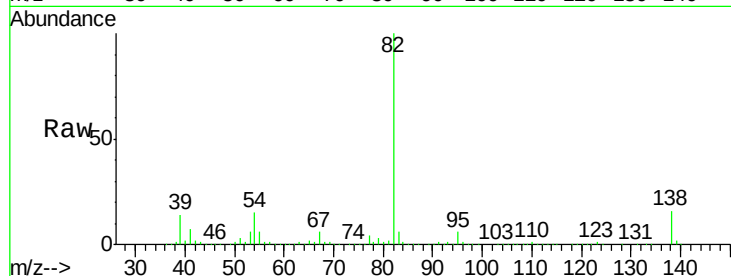
95 6.4 5.0 7.6

138 15.7 11.5 17.3

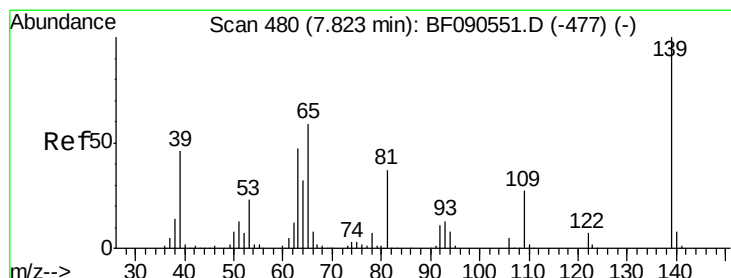
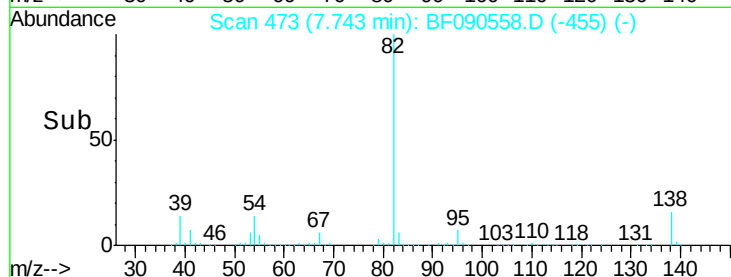
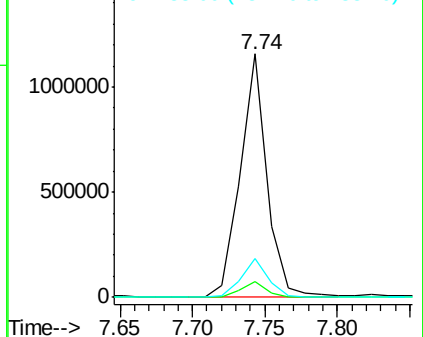
Manual Integrations
APPROVED

Umangi

10/14/2016 6:45:35 PM



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



#26

2-Nitrophenol

Concen: 37.28 ng

RT: 7.82 min Scan# 480

Delta R.T. 0.00 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

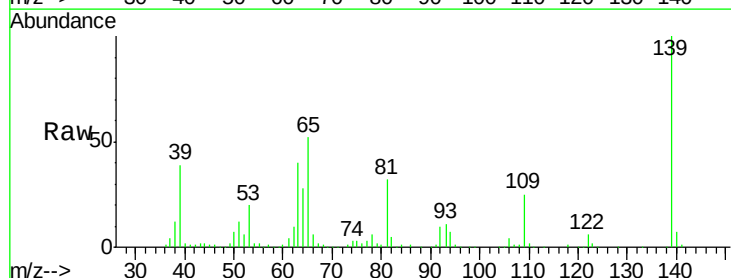
Tgt Ion: 139 Resp: 365653

Ion Ratio Lower Upper

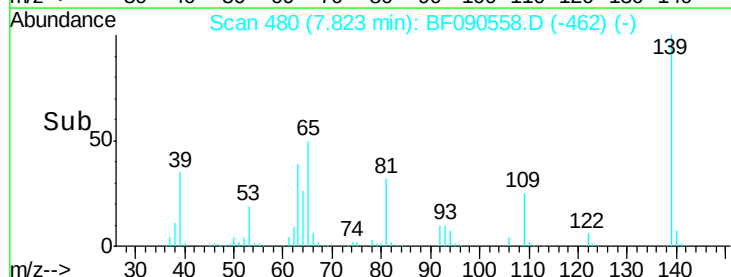
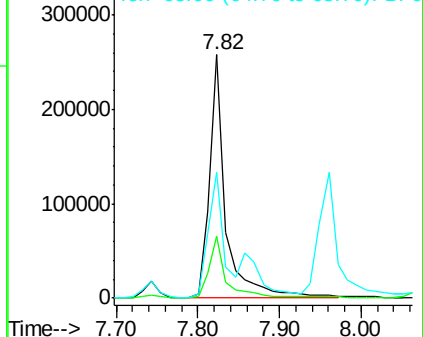
139 100

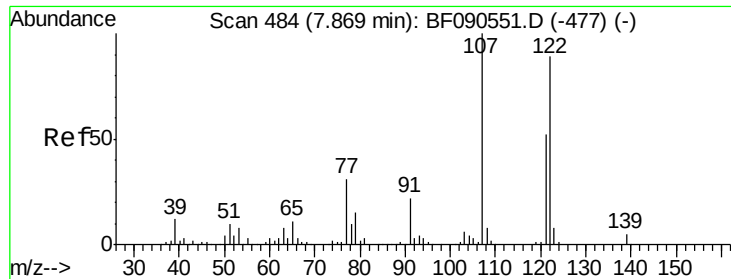
109 25.3 21.8 32.6

65 51.9 47.7 71.5



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





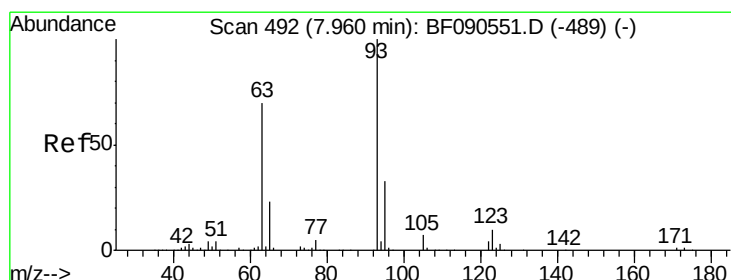
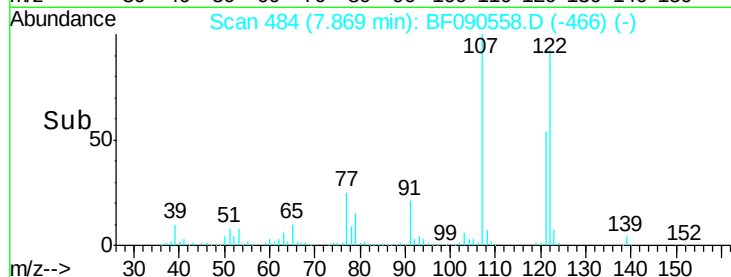
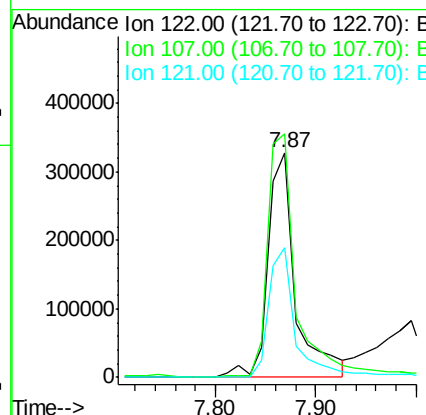
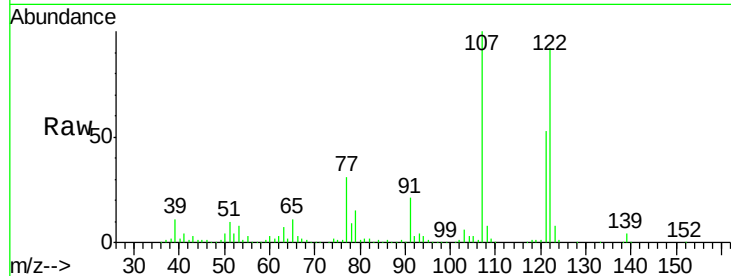
#27
 2,4-Dimethylphenol
 Concen: 38.23 ng
 RT: 7.87 min Scan# 484
 Delta R.T. 0.00 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Instrument :
 BNA_F
 ClientSampleId :
 PB94017BS

Tot Ion	Ratio	Lower	Upper
122	100		
107	108.3	89.8	134.6
121	57.7	46.1	69.1

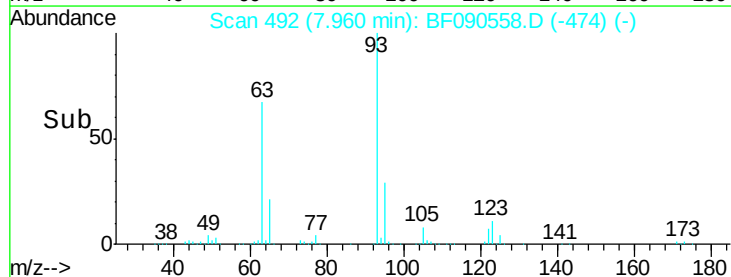
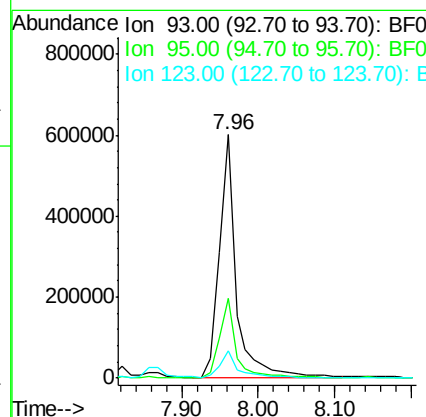
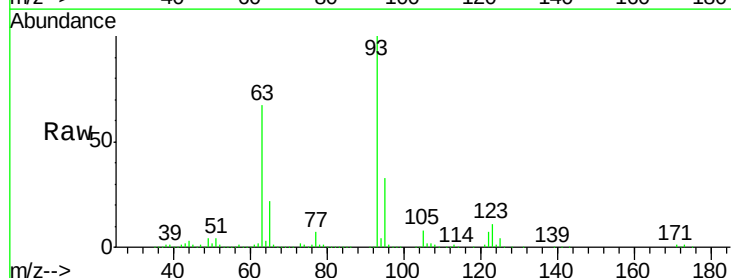
Manual Integrations
 APPROVED

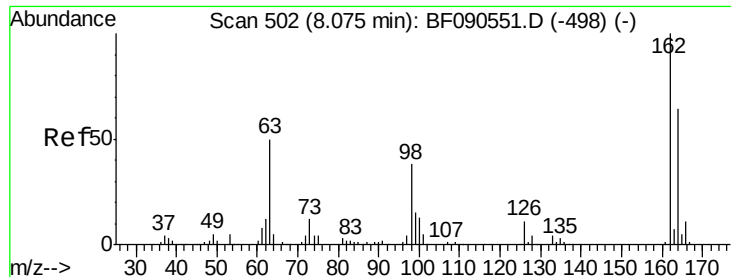
Umangi
 10/14/2016 6:45:35 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 40.10 ng
 RT: 7.96 min Scan# 492
 Delta R.T. 0.00 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.2	39.2
123	11.3	8.6	13.0





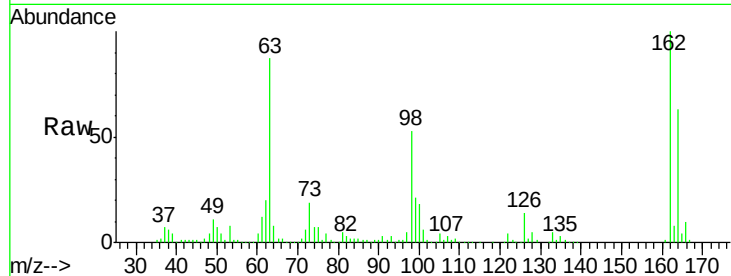
#29
 2,4-Dichlorophenol
 Concen: 36.73 ng
 RT: 8.06 min Scan# 501
 Delta R.T. -0.01 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Instrument :
 BNA_F
 ClientSampleId :
 PB94017BS

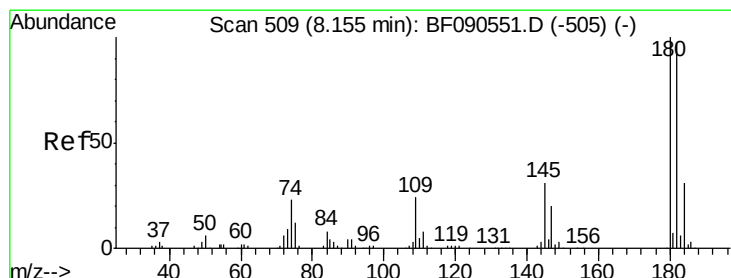
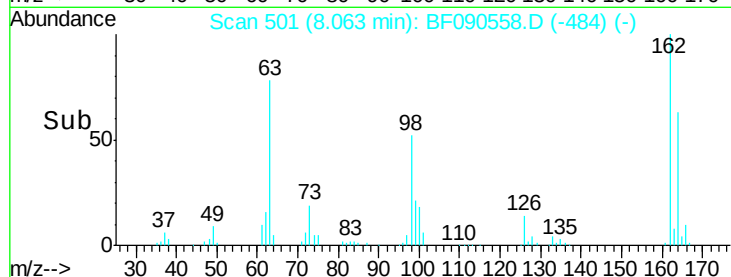
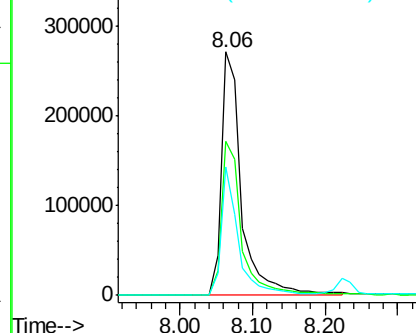
Tot Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	63.2	44.0	84.0
98	52.8	18.0	58.0

Manual Integrations
 APPROVED

Umangi
 10/14/2016 6:45:35 PM

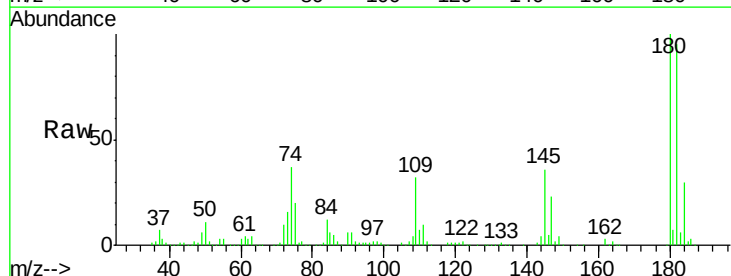


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

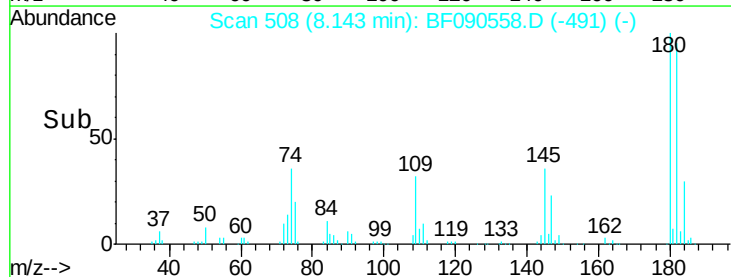
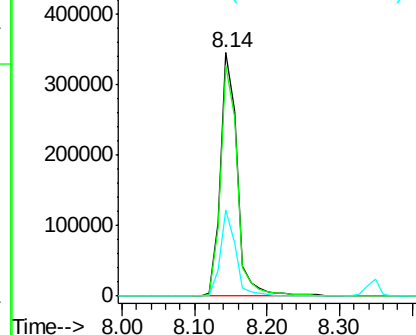


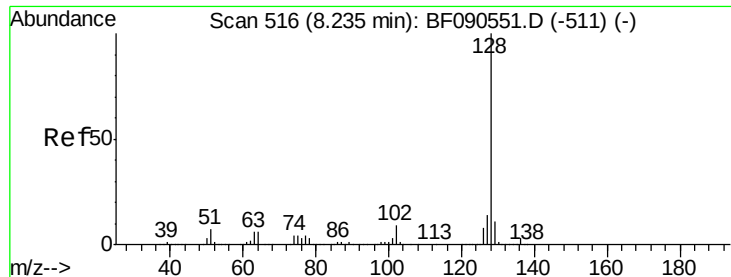
#30
 1,2,4-Trichlorobenzene
 Concen: 33.32 ng
 RT: 8.14 min Scan# 508
 Delta R.T. -0.01 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.6	77.2	115.8
145	35.6	24.4	36.6



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





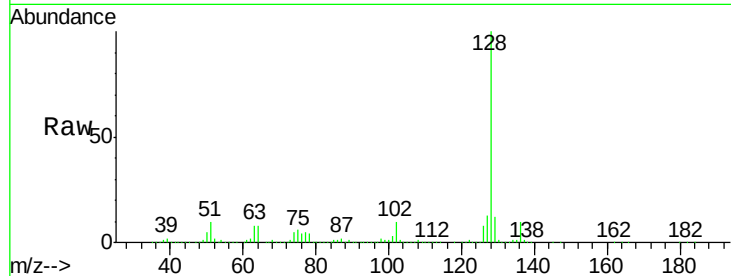
#31
Naphthalene
Concen: 33.01 ng
RT: 8.22 min Scan# 515
Delta R.T. -0.01 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Instrument :
BNA_F
ClientSampled :
PB94017BS

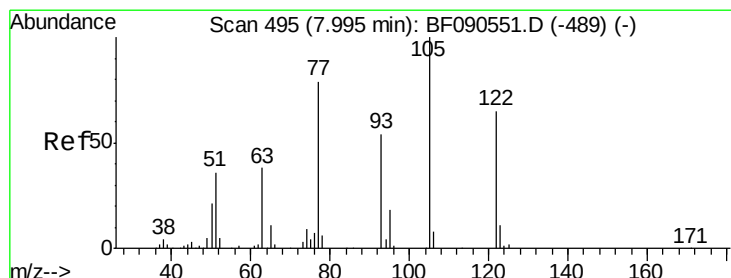
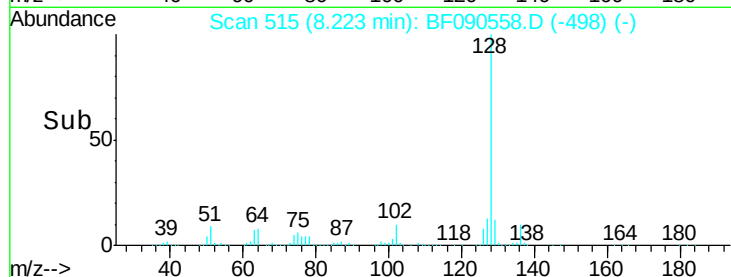
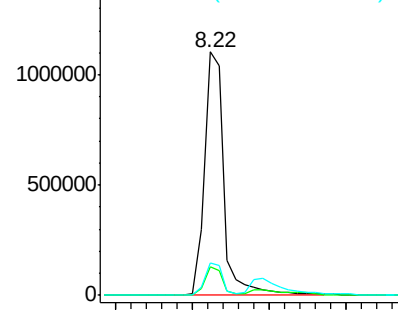
Tot Ion:128 Resp: 1967714
Ion Ratio Lower Upper
128 100
129 11.8 9.0 13.6
127 13.5 10.8 16.2

Manual Integrations
APPROVED

Umangi
10/14/2016 6:45:35 PM

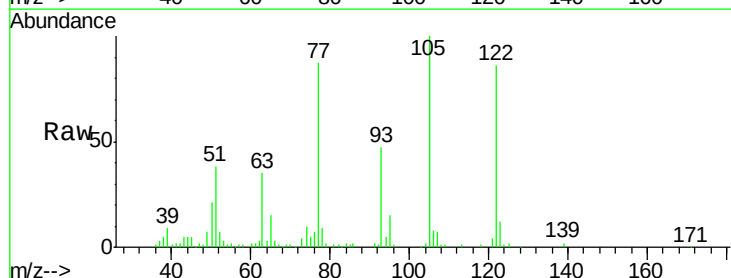


Abundance Ion 128.00 (127.70 to 128.70): E
1500000 Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

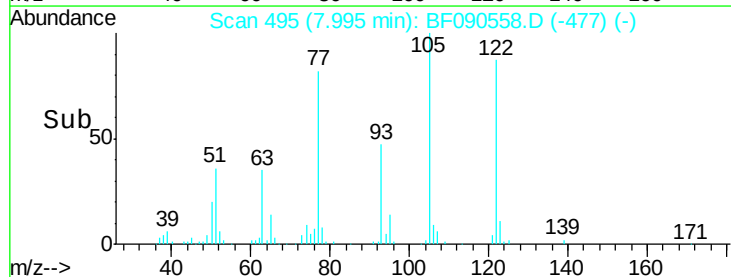
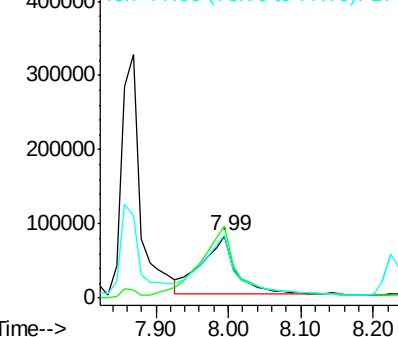


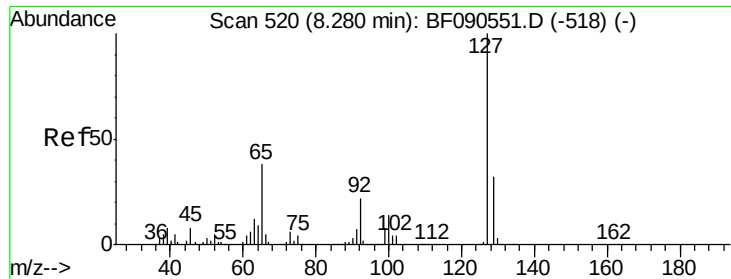
#32
Benzoic acid
Concen: 25.18 ng
RT: 7.99 min Scan# 495
Delta R.T. 0.00 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Tgt Ion:122 Resp: 251700
Ion Ratio Lower Upper
122 100
105 116.4 101.1 141.1
77 101.7 84.7 124.7



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





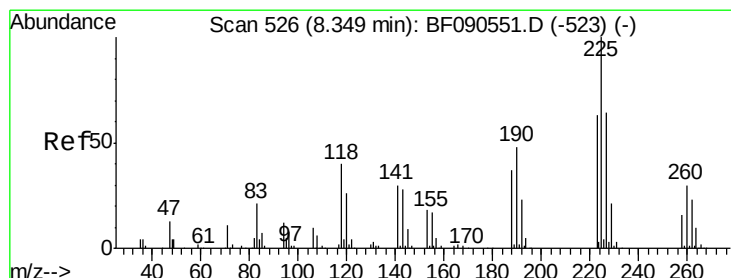
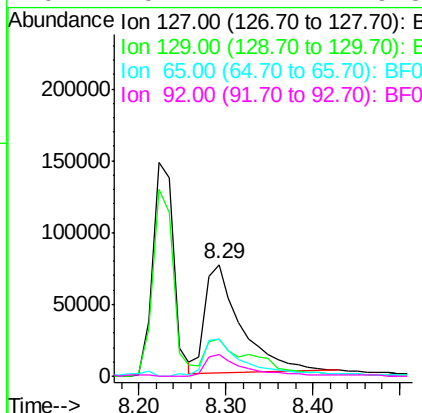
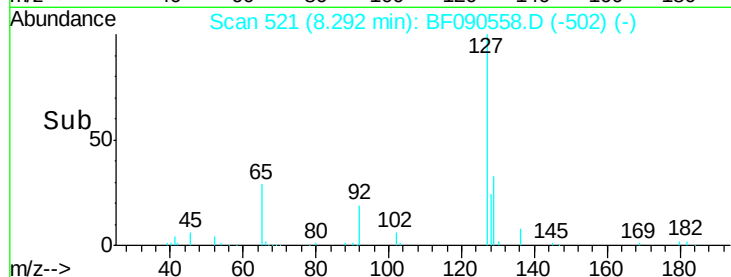
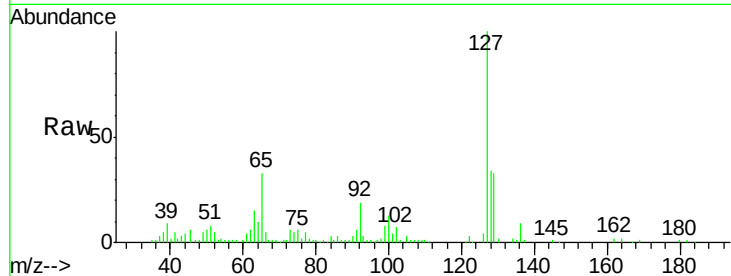
#33
4-Chloroaniline
Concen: 9.65 ng
RT: 8.29 min Scan# 521
Delta R.T. 0.01 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Instrument :
BNA_F
ClientSampleId :
PB94017BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		219794		
129	33.1	26.2	39.2		
65	32.6	30.1	45.1		
92	19.1	17.2	25.8		

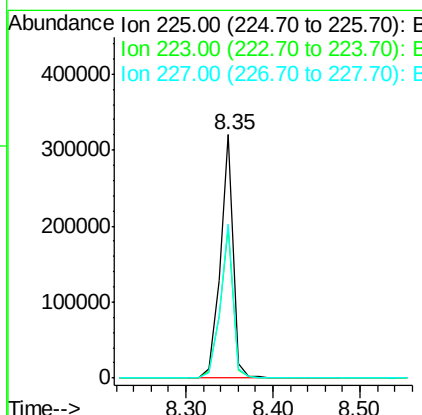
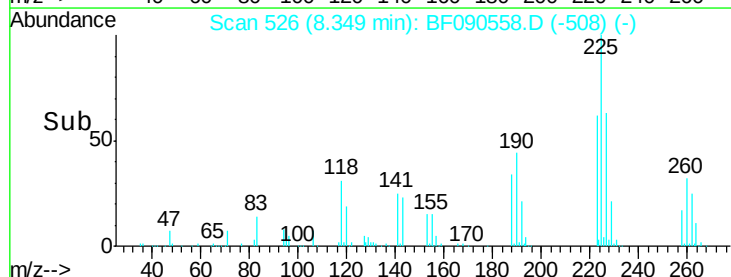
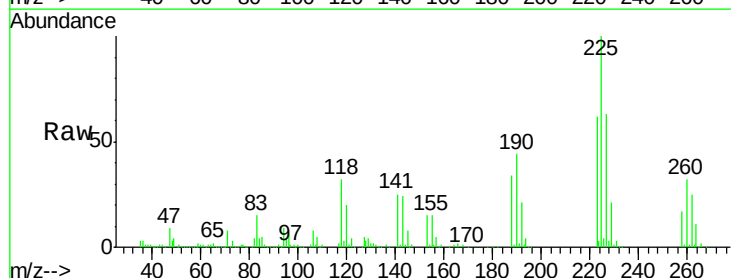
Manual Integrations
APPROVED

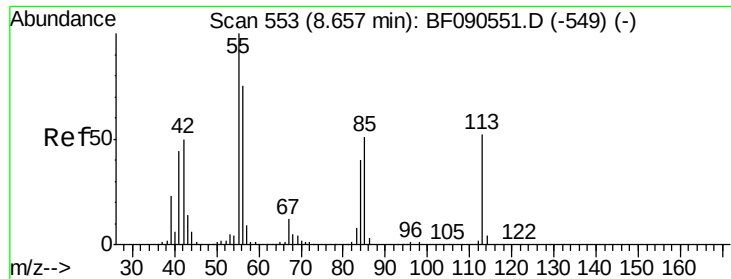
Umangi
10/14/2016 6:45:35 PM



#34
Hexachlorobutadiene
Concen: 35.88 ng
RT: 8.35 min Scan# 526
Delta R.T. 0.00 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		334700		
223	61.8	50.6	76.0		
227	63.3	51.4	77.2		





#35

Caprolactam

Concen: 46.90 ng/mL

RT: 8.66 min Scan# 553

Delta R.T. 0.00 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

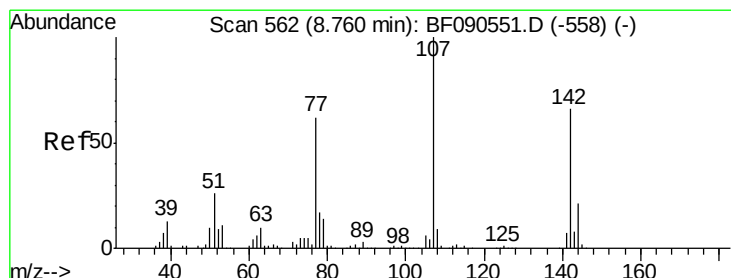
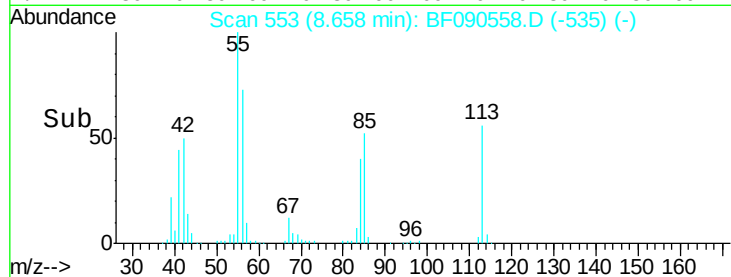
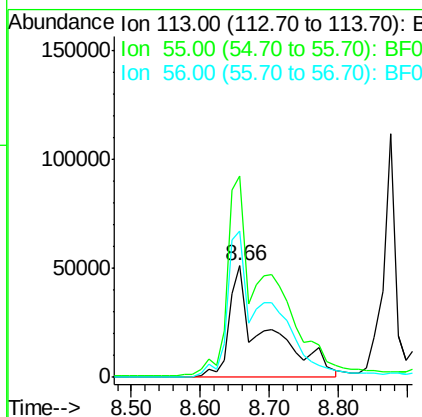
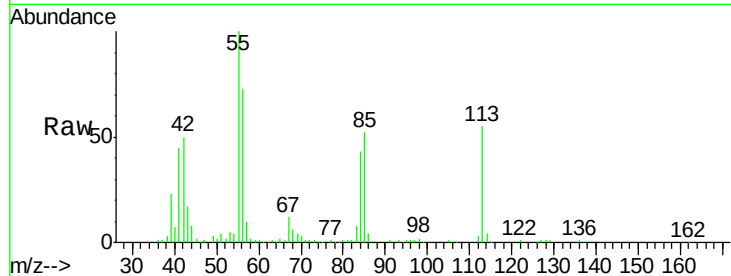
ClientSampled :

PB94017BS

Tot Ion:	113	Resp:	186581
Ion Ratio	Lower	Upper	
113	100		
55	181.3	170.8	210.8
56	131.5	122.4	162.4

Manual Integrations
APPROVED

Umangi
10/14/2016 6:45:35 PM



#36

4-Chloro-3-methylphenol

Concen: 38.61 ng/mL

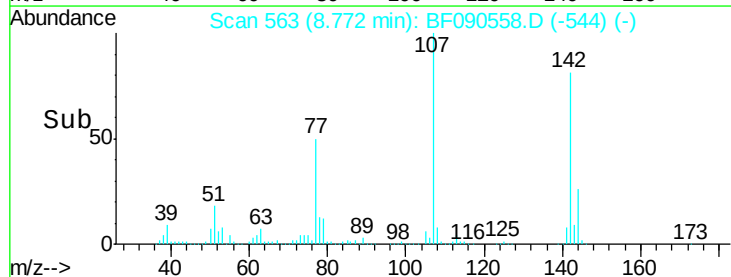
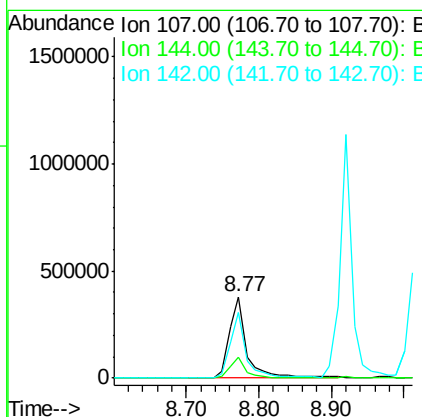
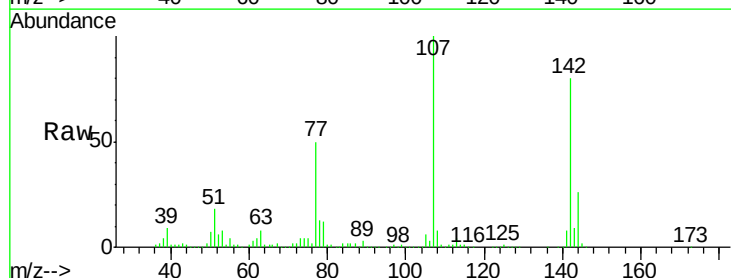
RT: 8.77 min Scan# 563

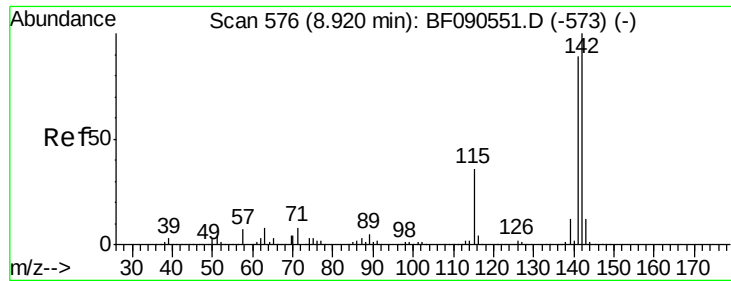
Delta R.T. 0.01 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Tgt Ion:	107	Resp:	635025
Ion Ratio	Lower	Upper	
107	100		
144	26.4	16.9	25.3#
142	80.4	52.5	78.7#





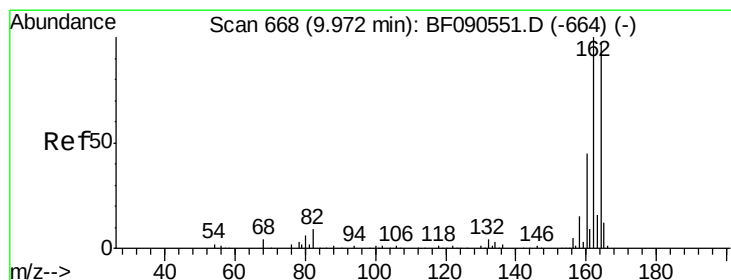
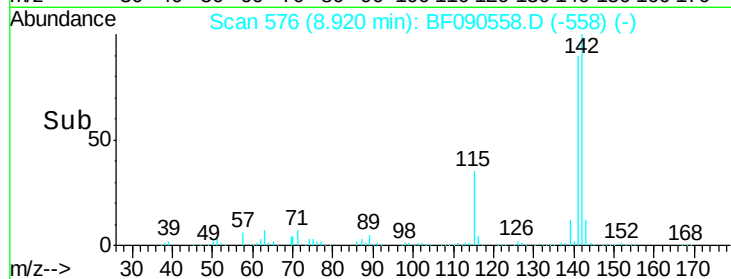
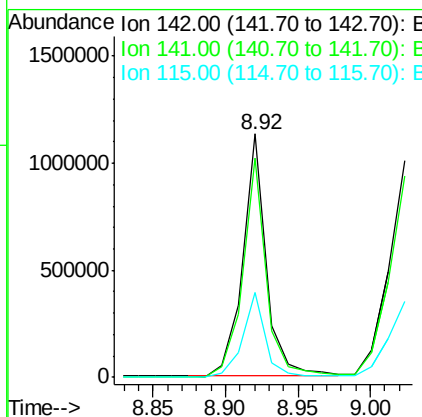
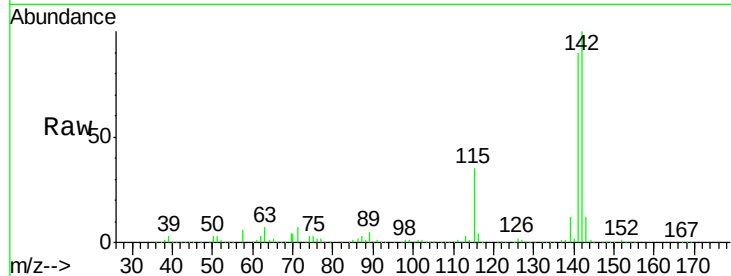
#37
2-Methylnaphthalene
Concen: 36.53 ng
RT: 8.92 min Scan# 576
Delta R.T. 0.00 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Instrument :
BNA_F
ClientSampleId :
PB94017BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.3	71.3	106.9
115	34.7	28.8	43.2

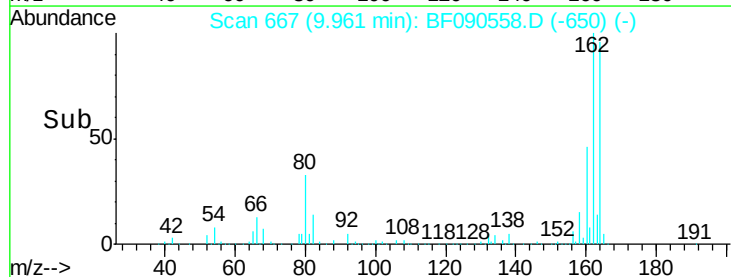
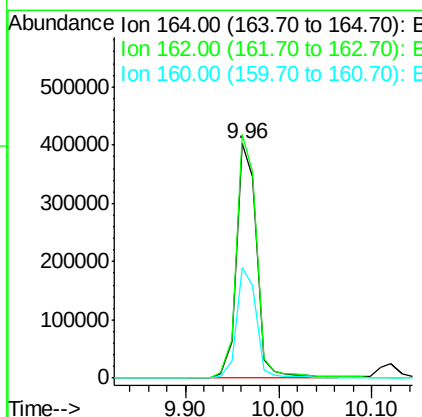
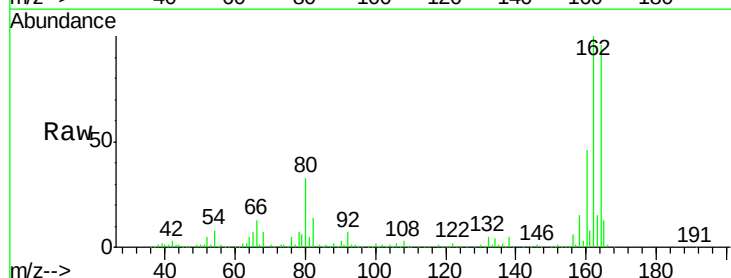
Manual Integrations
APPROVED

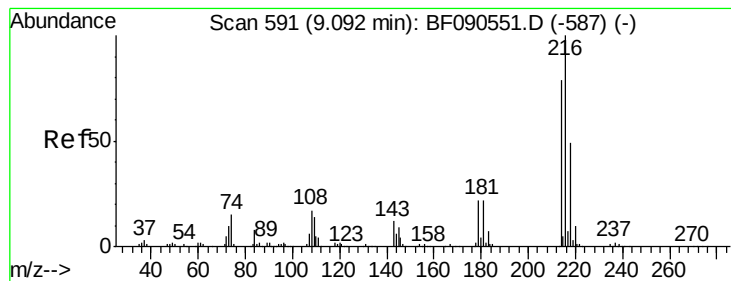
Umangi
10/14/2016 6:45:35 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.96 min Scan# 667
Delta R.T. -0.01 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	82.2	123.4
160	47.4	36.6	55.0





#39

1,2,4,5-Tetrachlorobenzene

Concen: 35.88 ng

RT: 9.09 min Scan# 591

Delta R.T. 0.00 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

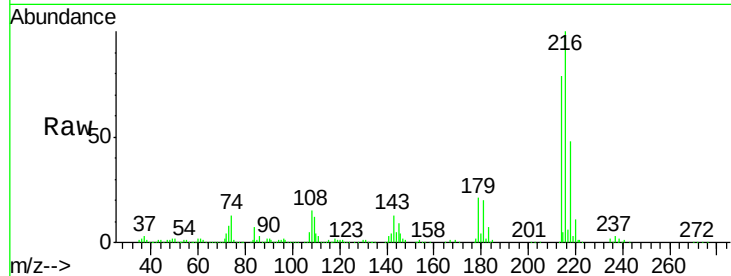
ClientSampleId :

PB94017BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		580479		
214	79.2		63.5	95.3	
179	22.4		18.9	28.3	
108	22.2		17.8	26.6	

Manual Integrations
APPROVED

Umangi
10/14/2016 6:45:35 PM

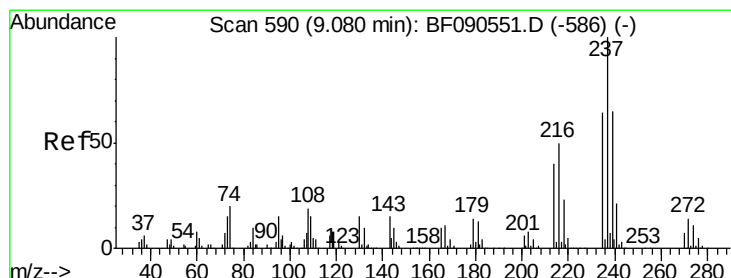
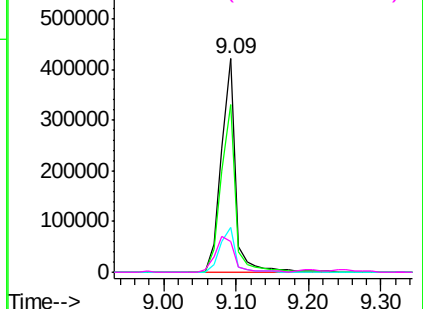
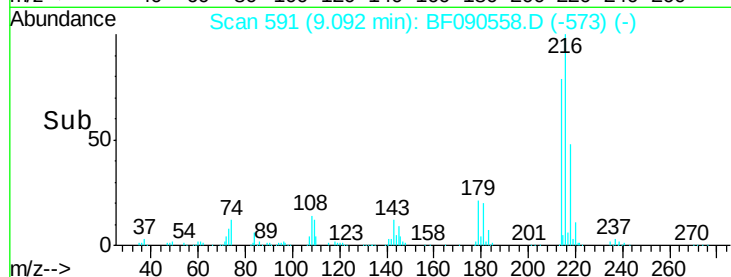


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 82.11 ng

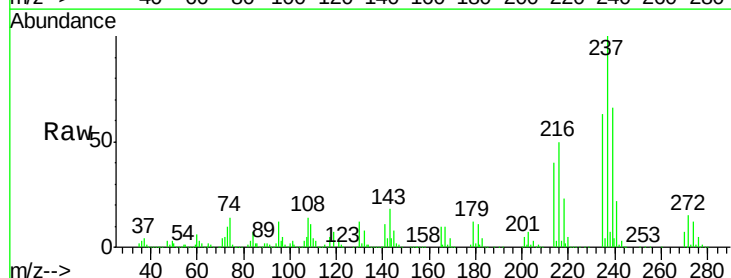
RT: 9.08 min Scan# 590

Delta R.T. 0.00 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

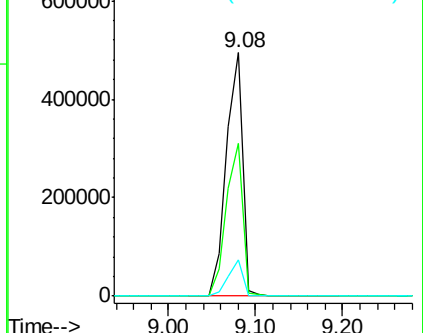
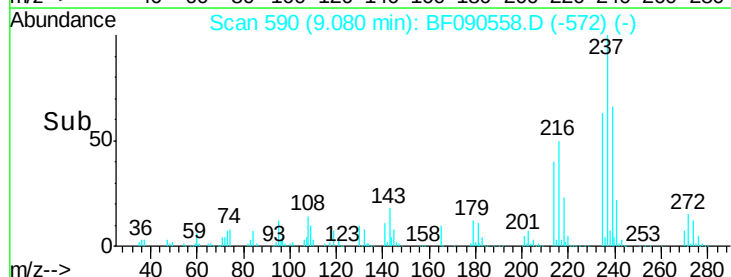
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		648984		
235	62.6		43.8	83.8	
272	14.7		0.0	33.7	

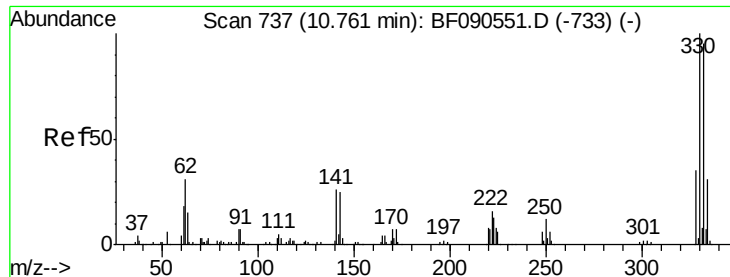


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





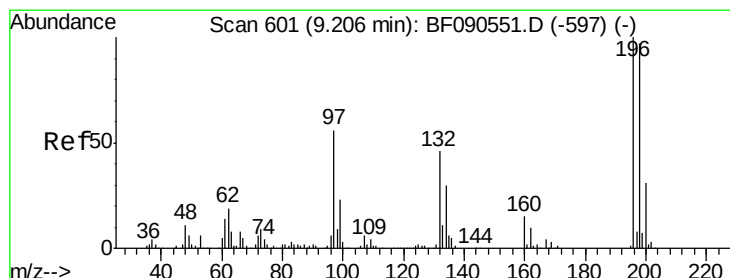
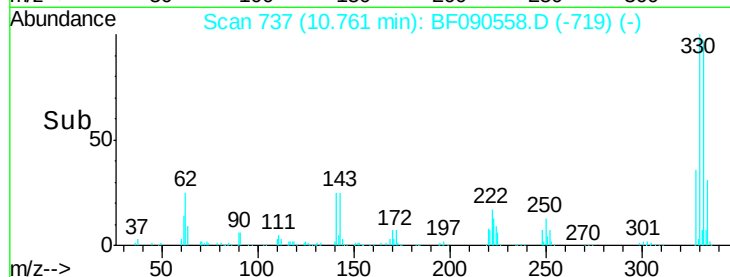
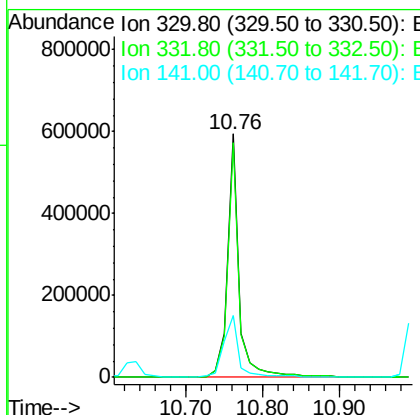
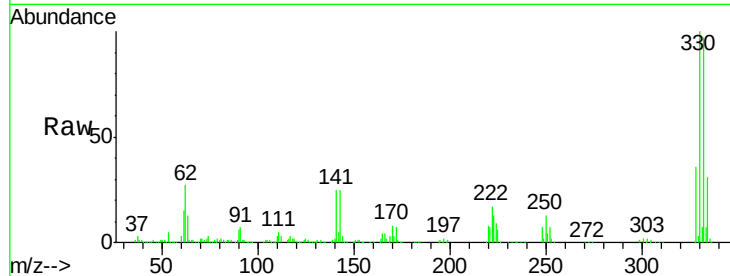
#41
 2,4,6-Tribromophenol
 Concen: 118.01 ng
 RT: 10.76 min Scan# 737
 Delta R.T. 0.00 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Instrument :
 BNA_F
 ClientSampleId :
 PB94017BS

Tot Ion	Ratio	Resp	Lower	Upper
330	100	642018		
332	96.5		76.2	114.2
141	32.7		31.4	47.2

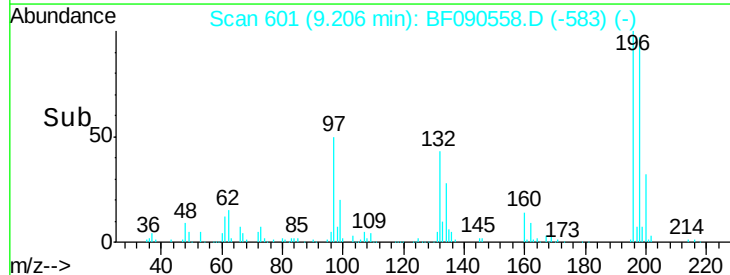
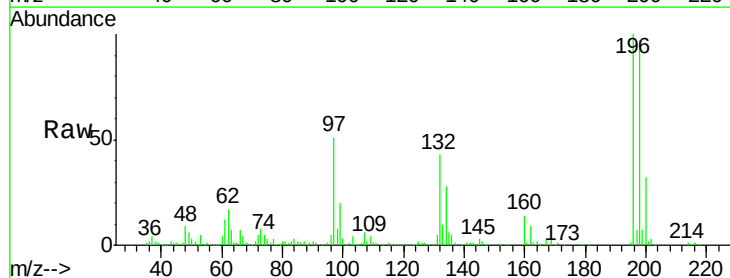
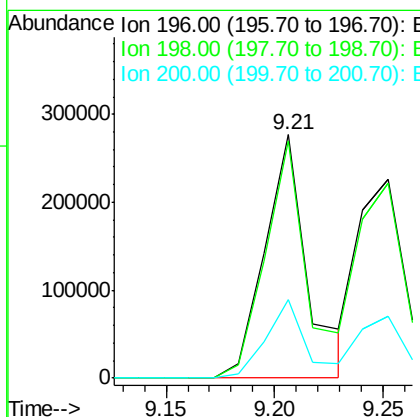
Manual Integrations
 APPROVED

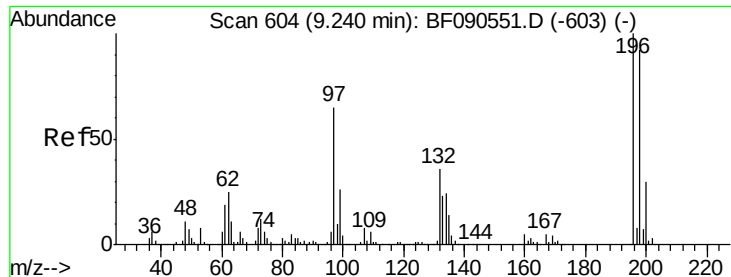
Umangi
 10/14/2016 6:45:35 PM



#42
 2,4,6-Trichlorophenol
 Concen: 41.39 ng
 RT: 9.21 min Scan# 601
 Delta R.T. 0.00 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	377775		
198	97.4		77.9	116.9
200	32.1		25.1	37.7





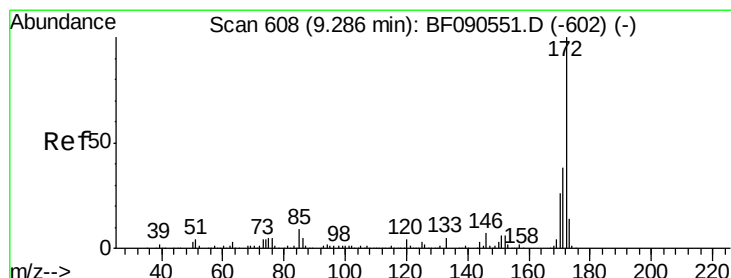
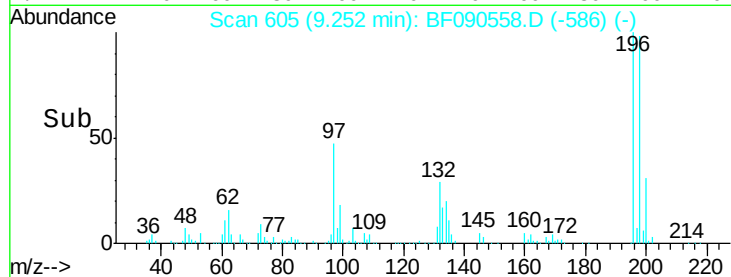
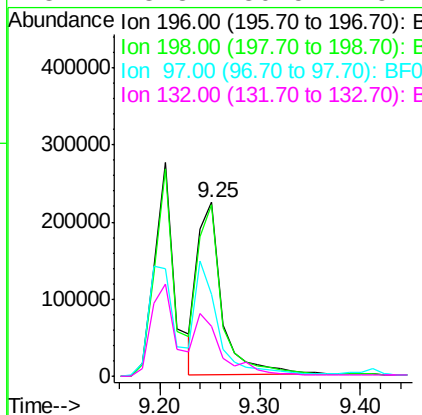
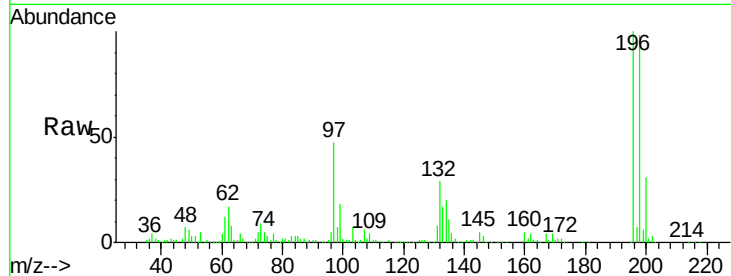
#43
 2,4,5-Trichlorophenol
 Concen: 35.20 ng
 RT: 9.25 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Instrument :
 BNA_F
 ClientSampleId :
 PB94017BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		383261		
198	98.3	74.0	111.0		
97	47.4	54.7	82.1#		
132	28.8	30.5	45.7#		

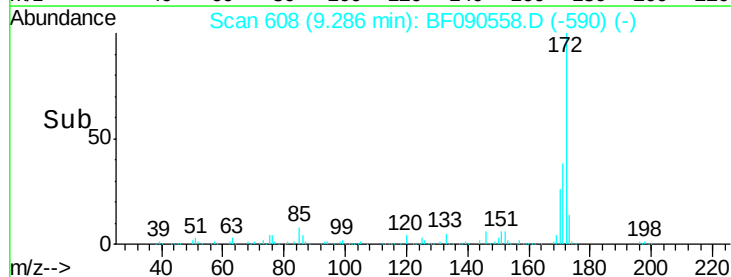
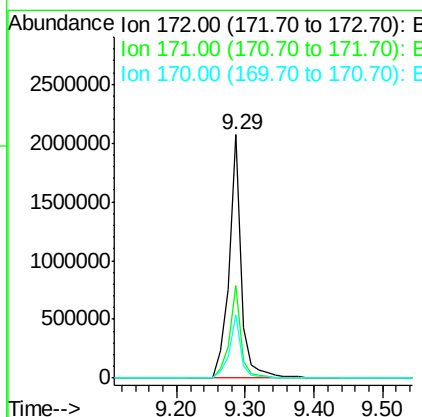
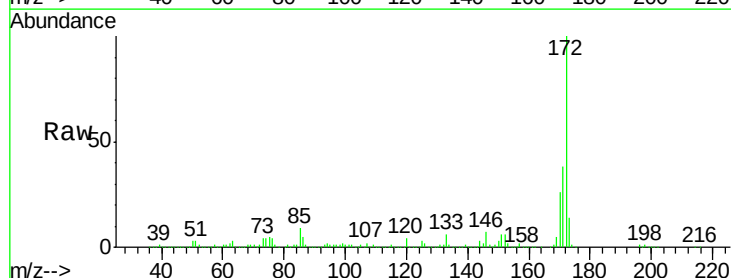
Manual Integrations
 APPROVED

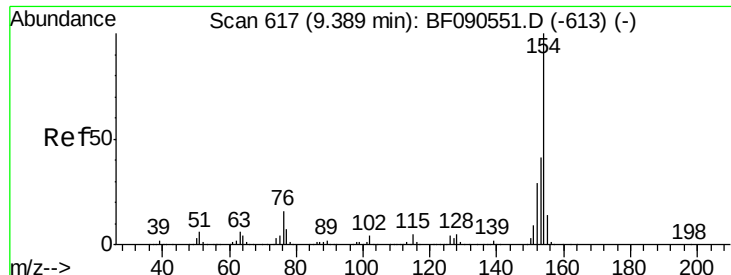
Umangi
 10/14/2016 6:45:35 PM



#44
 2-Fluorobiphenyl
 Concen: 70.67 ng
 RT: 9.29 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		2617124		
171	37.8	30.1	45.1		
170	25.9	20.6	30.8		





#45

1,1'-Biphenyl

Concen: 35.36 ng

RT: 9.39 min Scan# 617

Delta R.T. 0.00 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

Tot Ion:154 Resp: 1641976

Ion Ratio Lower Upper

154 100

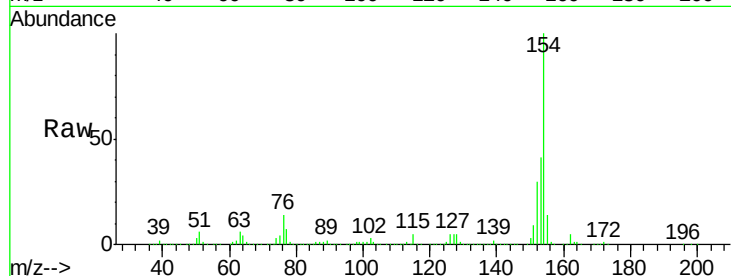
153 41.5 21.5 61.5

76 14.5 0.0 36.0

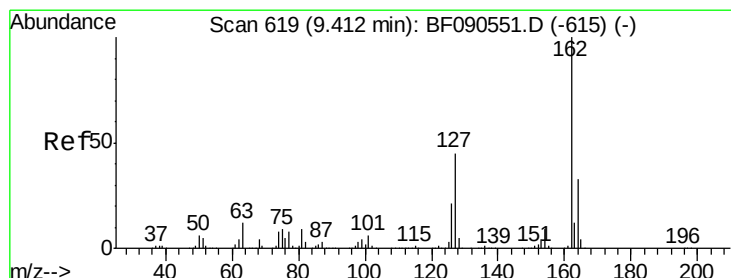
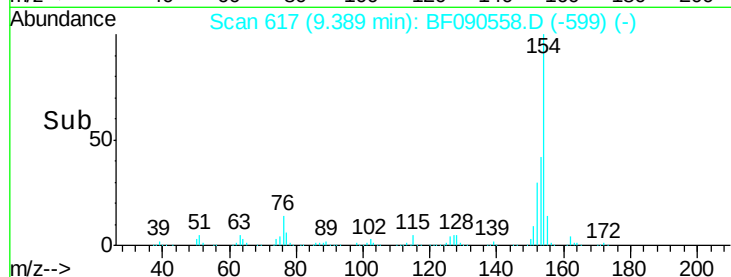
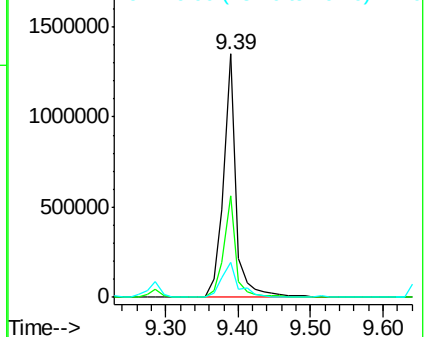
Manual Integrations
APPROVED

Umangi

10/14/2016 6:45:35 PM



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



#46

2-Chloronaphthalene

Concen: 37.10 ng

RT: 9.41 min Scan# 619

Delta R.T. 0.00 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

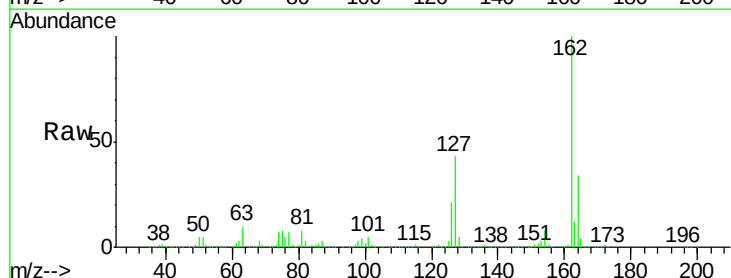
Tgt Ion:162 Resp: 1284600

Ion Ratio Lower Upper

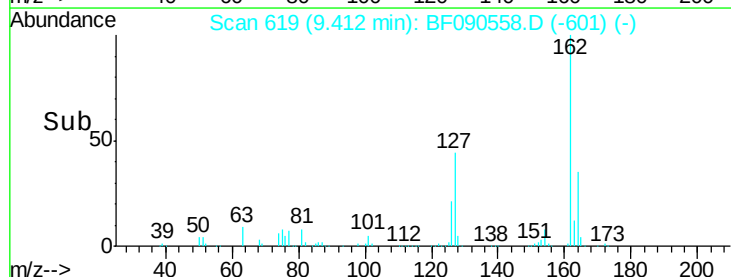
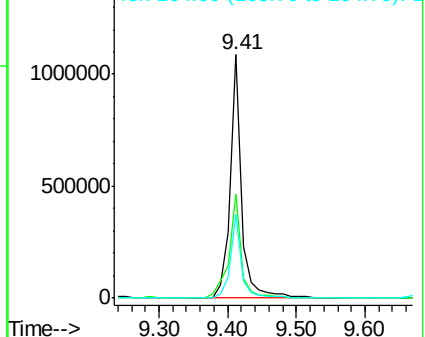
162 100

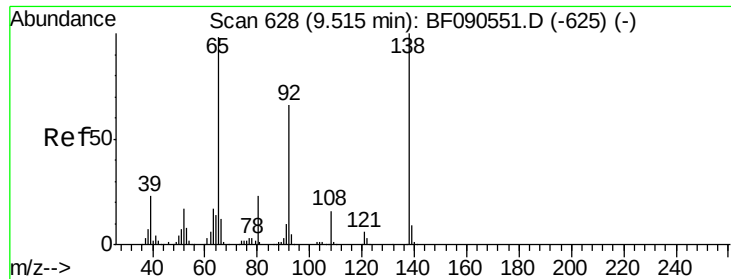
127 42.8 35.9 53.9

164 34.1 26.7 40.1



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





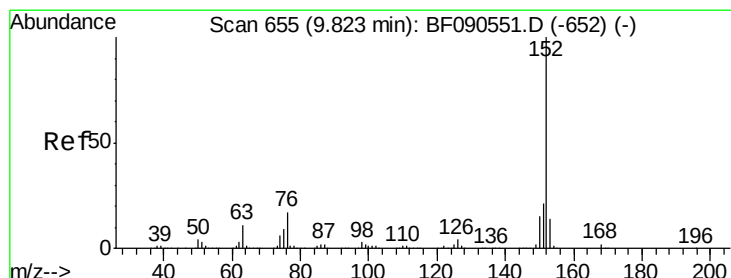
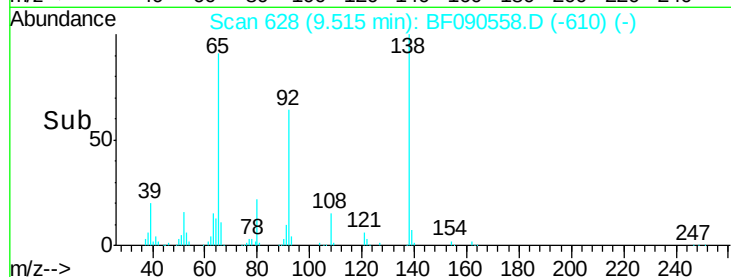
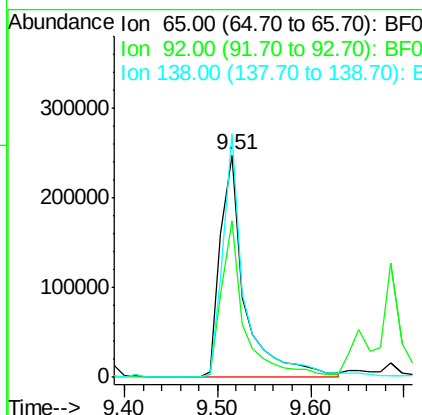
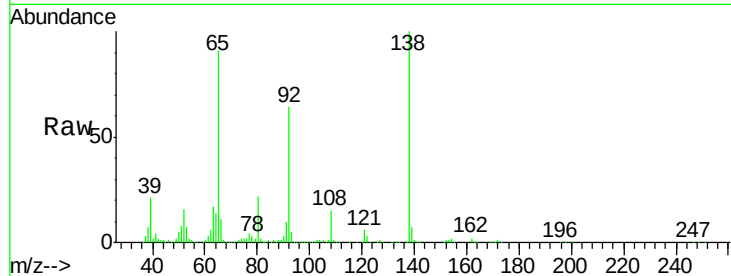
#47
2-Nitroaniline
Concen: 36.13 ng
RT: 9.51 min Scan# 628
Delta R.T. 0.00 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Instrument :
BNA_F
ClientSampleId :
PB94017BS

Tot Ion	Ratio	Lower	Upper
65	100		
92	70.6	54.3	81.5
138	109.5	81.7	122.5

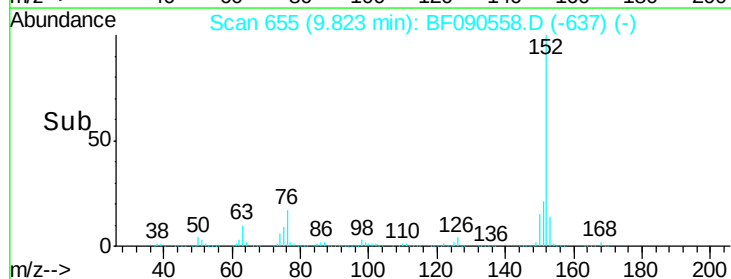
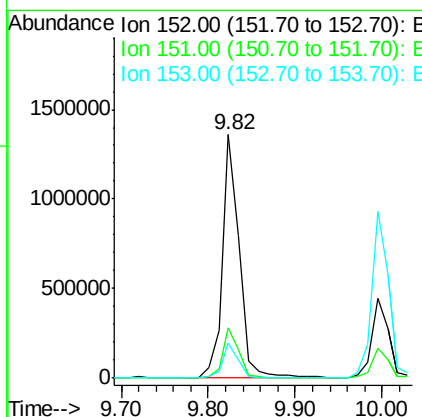
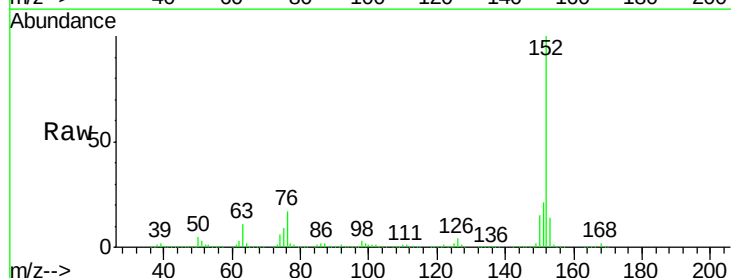
Manual Integrations
APPROVED

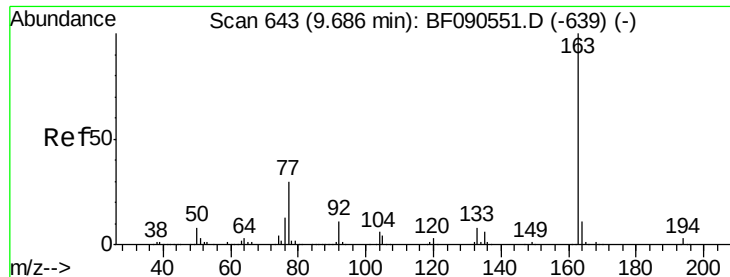
Umangi
10/14/2016 6:45:35 PM



#48
Acenaphthylene
Concen: 33.43 ng
RT: 9.82 min Scan# 655
Delta R.T. 0.00 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.6	25.0
153	14.2	11.3	16.9





#49

Dimethylphthalate

Concen: 34.11 ng

RT: 9.69 min Scan# 643

Delta R.T. 0.00 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampled :

PB94017BS

Tot Ion:163 Resp: 1350455

Ion Ratio Lower Upper

163 100

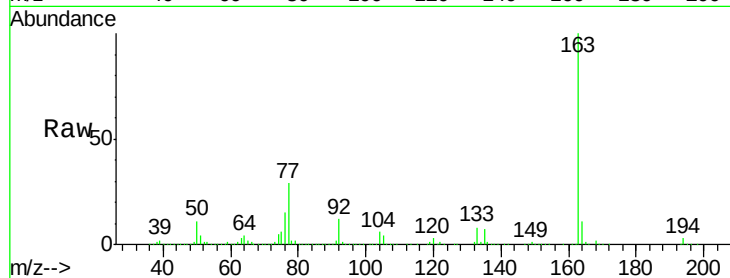
194 3.1 2.3 3.5

164 11.0 8.6 13.0

Manual Integrations
APPROVED

Umangi

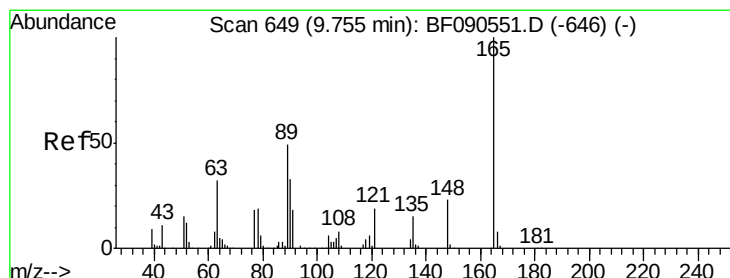
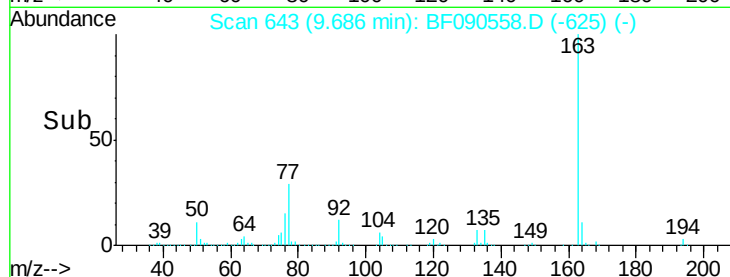
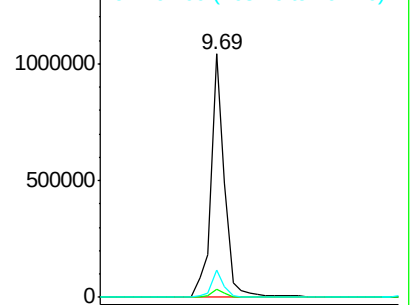
10/14/2016 6:45:35 PM



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 35.67 ng

RT: 9.75 min Scan# 649

Delta R.T. 0.00 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

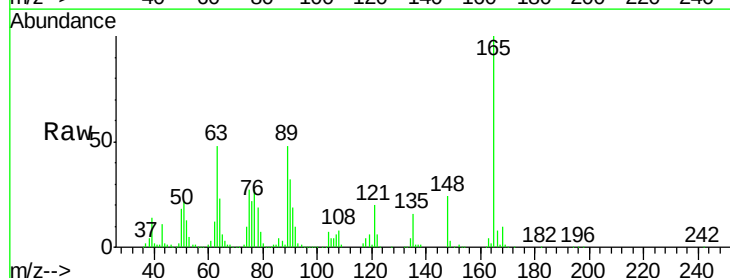
Tgt Ion:165 Resp: 308990

Ion Ratio Lower Upper

165 100

63 47.7 40.1 60.1

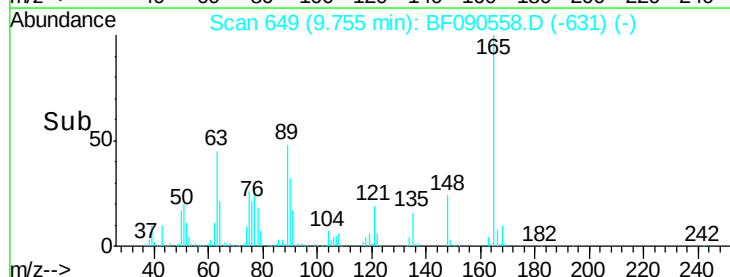
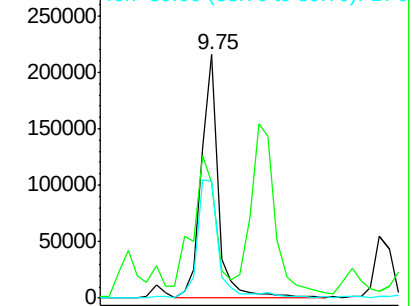
89 47.9 39.5 59.3

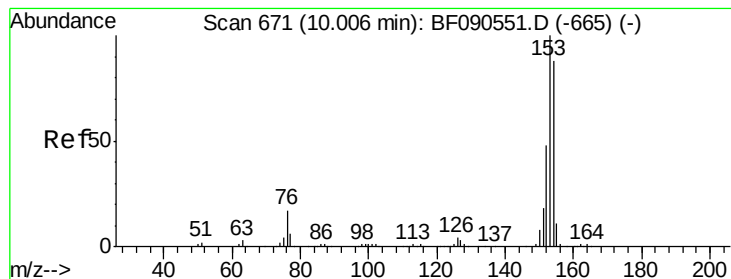


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 34.52 ng

RT: 9.99 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

Tot Ion:154 Resp: 1264859

Ion Ratio Lower Upper

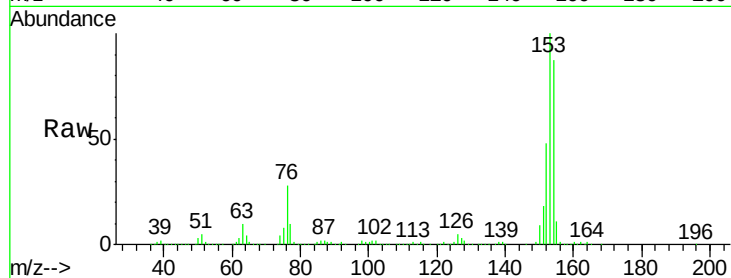
154 100

153 114.7 91.2 136.8

152 54.9 44.0 66.0

Manual Integrations
APPROVED

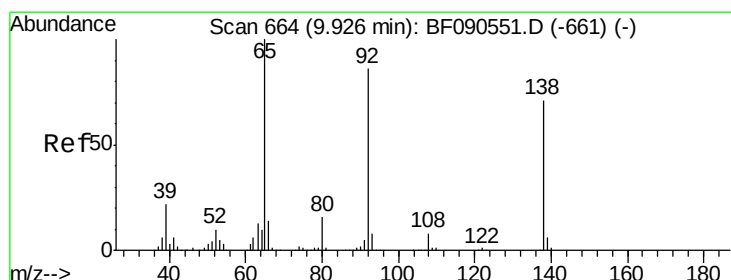
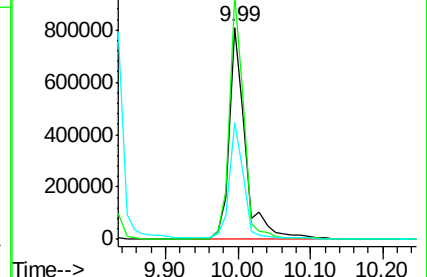
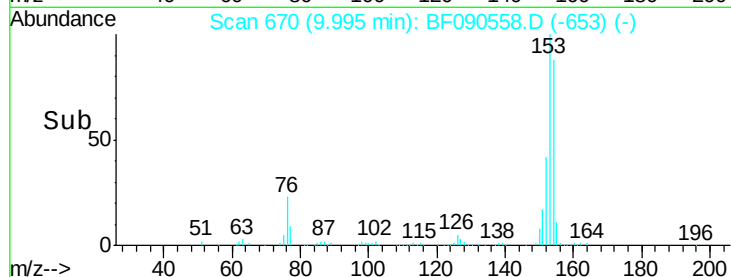
Umangi
10/14/2016 6:45:35 PM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 20.67 ng

RT: 9.93 min Scan# 664

Delta R.T. 0.00 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

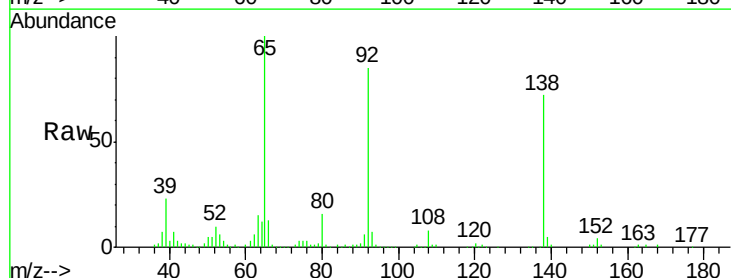
Tgt Ion:138 Resp: 224660

Ion Ratio Lower Upper

138 100

108 10.6 8.6 12.8

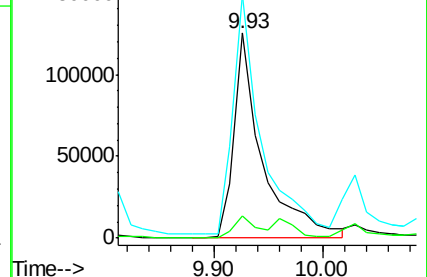
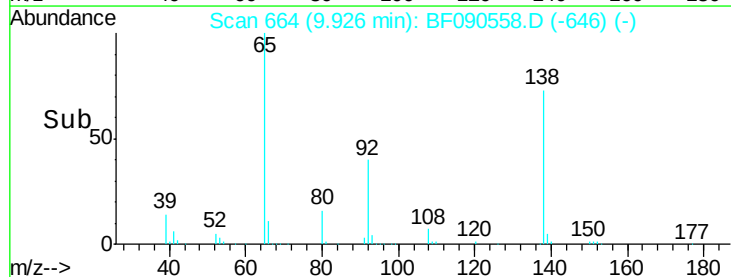
92 118.8 97.8 146.8

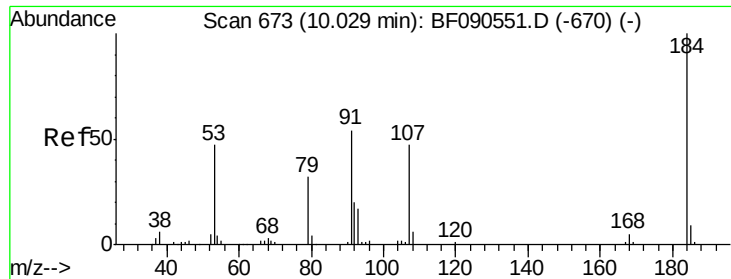


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





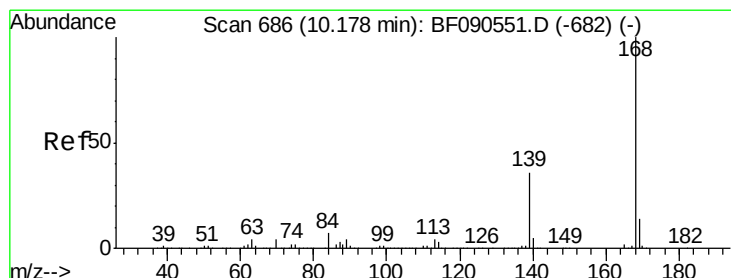
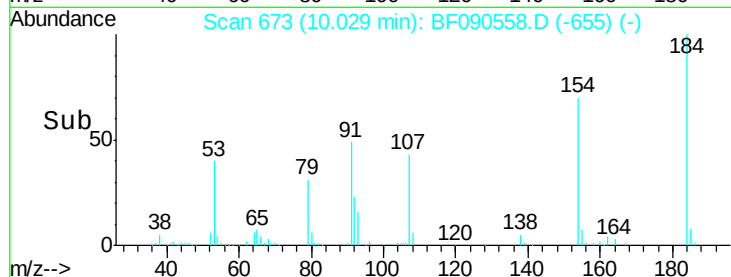
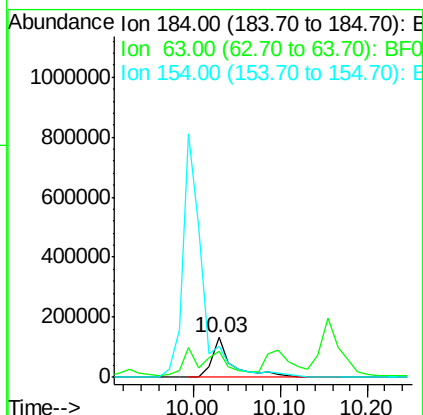
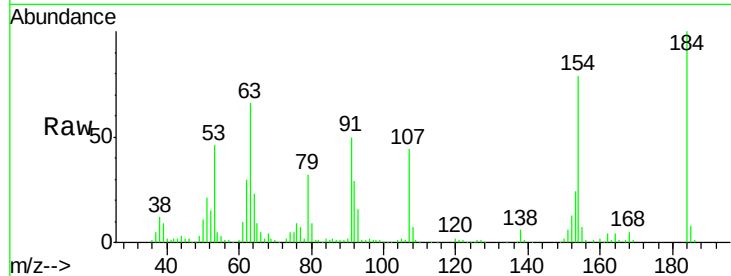
#53
2,4-Dinitrophenol
Concen: 49.28 ng
RT: 10.03 min Scan# 673
Delta R.T. 0.00 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Instrument :
BNA_F
ClientSampleId :
PB94017BS

Tot Ion	Ratio	Resp	Lower	Upper
184	100	220756		
63	65.6	60.2	90.2	
154	79.1	86.1	129.1	

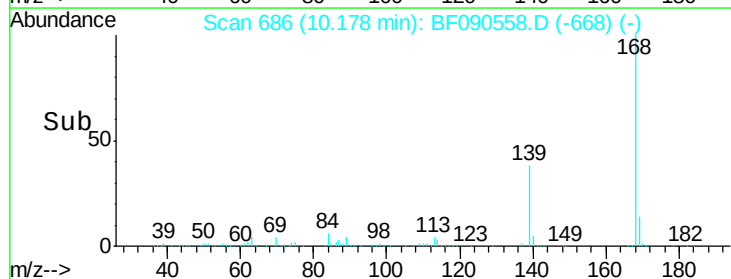
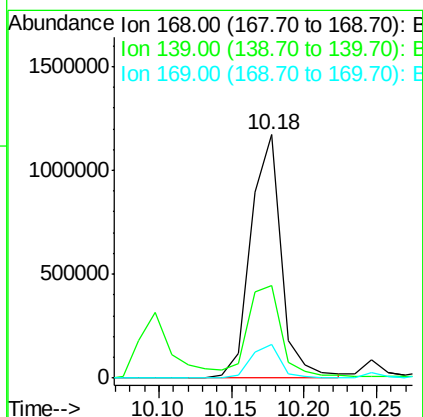
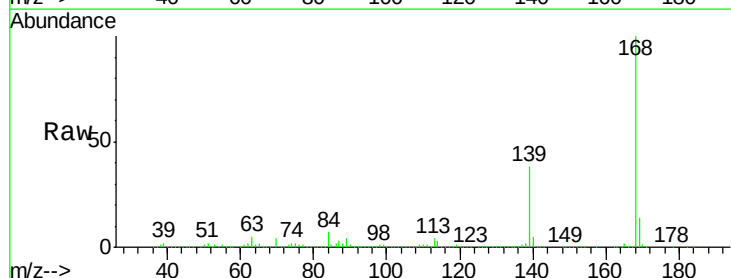
Manual Integrations
APPROVED

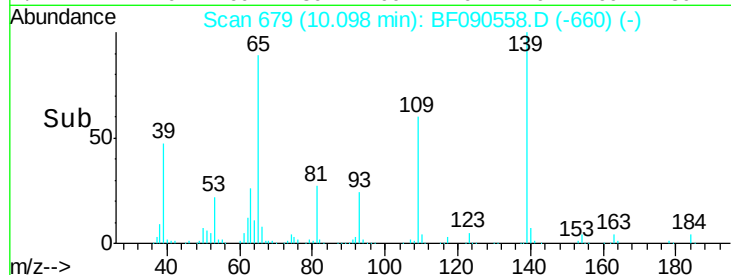
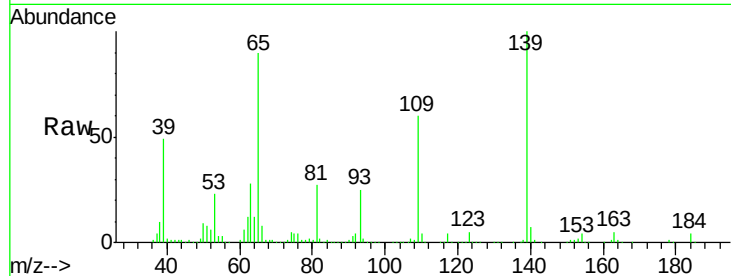
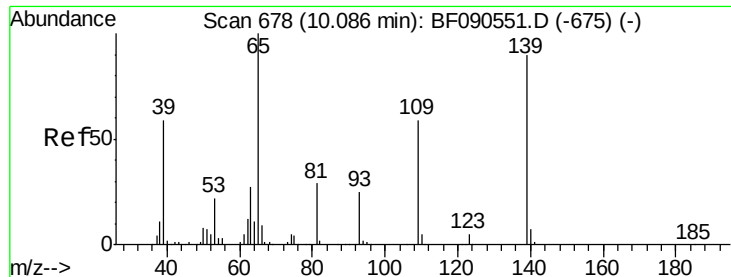
Umangi
10/14/2016 6:45:35 PM



#54
Dibenzofuran
Concen: 35.46 ng
RT: 10.18 min Scan# 686
Delta R.T. 0.00 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1709378		
139	37.8	30.5	45.7	
169	13.7	10.9	16.3	





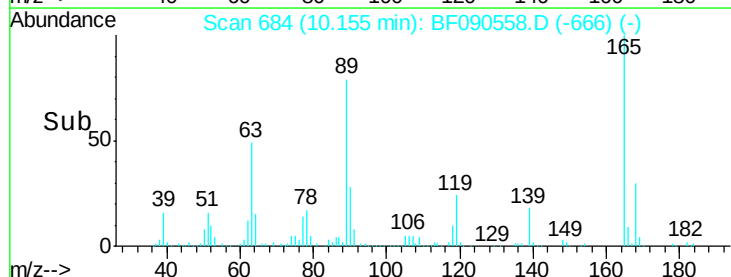
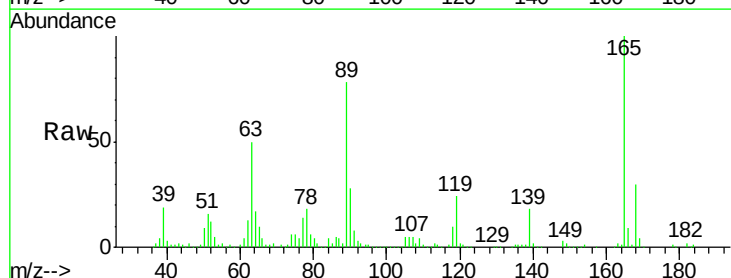
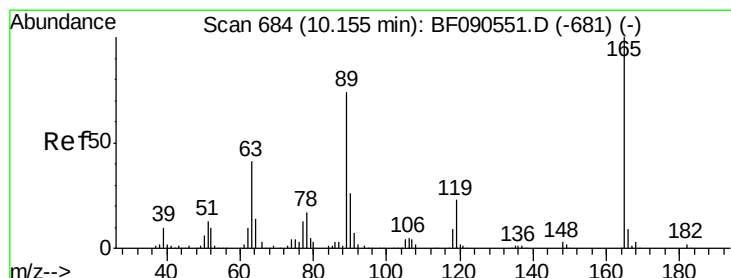
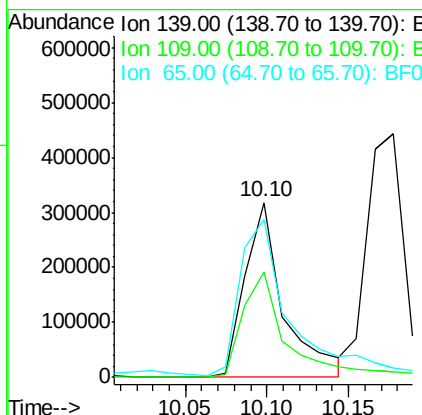
#55
4-Nitrophenol
Concen: 79.92 ng
RT: 10.10 min Scan# 679
Delta R.T. 0.01 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Tot Ion	Ratio	Resp	Lower	Upper
139	100	522859		
109	59.9	45.9	85.9	
65	90.0	95.8	135.8	

Instrument :
BNA_F
ClientSampled :
PB94017BS

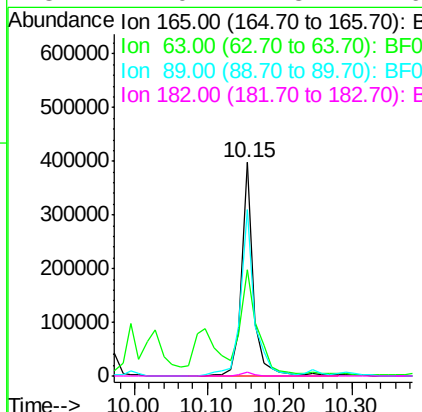
Manual Integrations
APPROVED

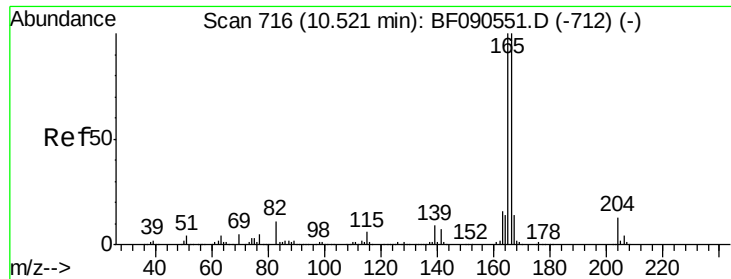
Umangi
10/14/2016 6:45:35 PM



#56
2,4-Dinitrotoluene
Concen: 38.20 ng
RT: 10.15 min Scan# 684
Delta R.T. 0.00 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	449532		
63	49.6	35.4	53.0	
89	77.6	59.0	88.4	
182	2.0	1.8	2.6	





#57

Fluorene

Concen: 33.42 ng

RT: 10.52 min Scan# 716

Delta R.T. 0.00 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

Tot Ion:166 Resp: 1329079

Ion Ratio Lower Upper

166 100

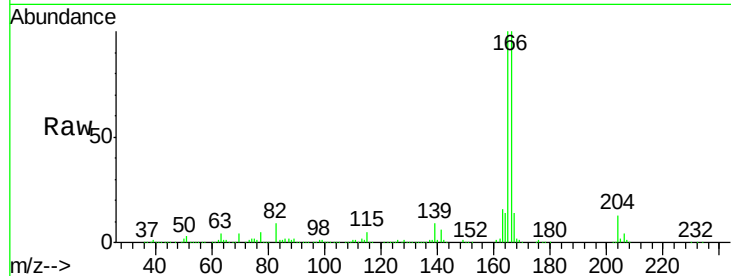
165 99.9 79.9 119.9

167 13.5 10.9 16.3

Manual Integrations
APPROVED

Umangi

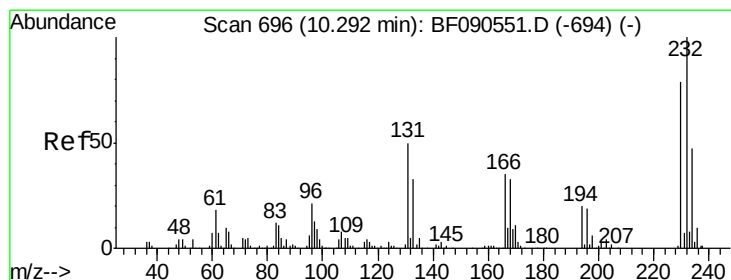
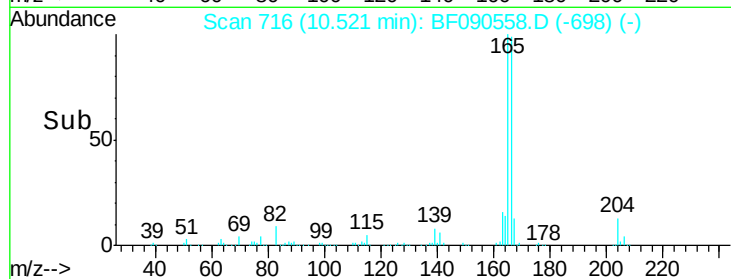
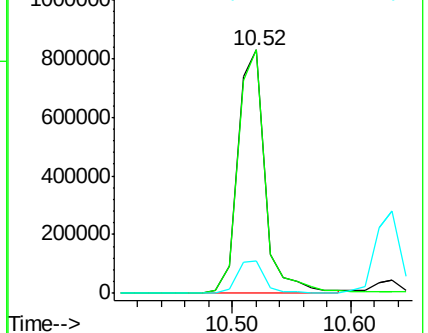
10/14/2016 6:45:35 PM



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 38.39 ng

RT: 10.29 min Scan# 696

Delta R.T. 0.00 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Tgt Ion:232 Resp: 348124

Ion Ratio Lower Upper

232 100

131 52.3 42.6 64.0

130 2.0 1.8 2.8

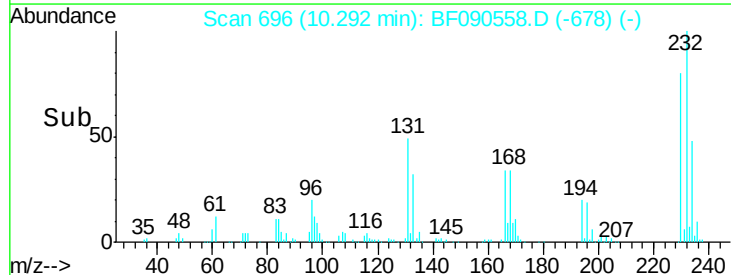
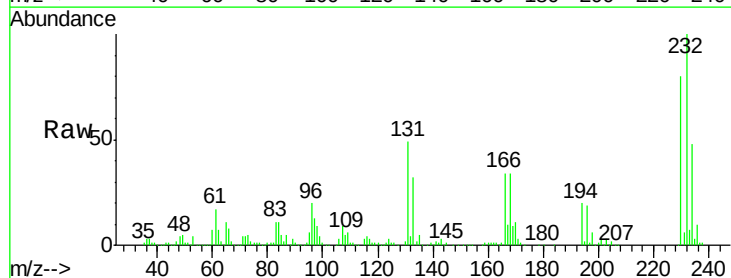
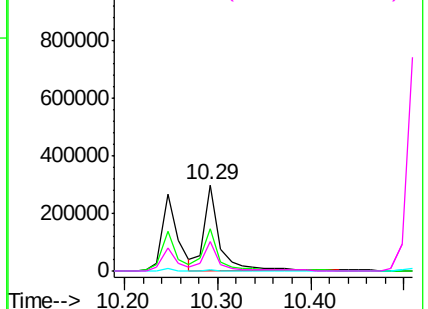
166 34.4 27.5 41.3

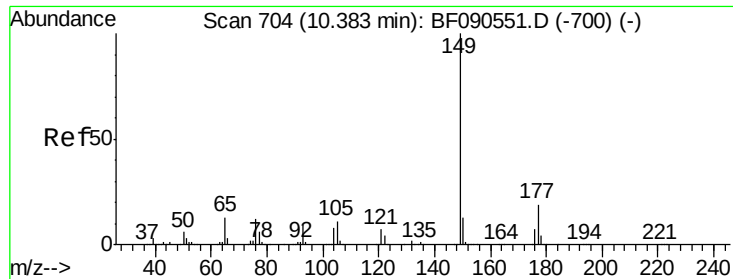
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 36.39 ng

RT: 10.39 min Scan# 705

Delta R.T. 0.01 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

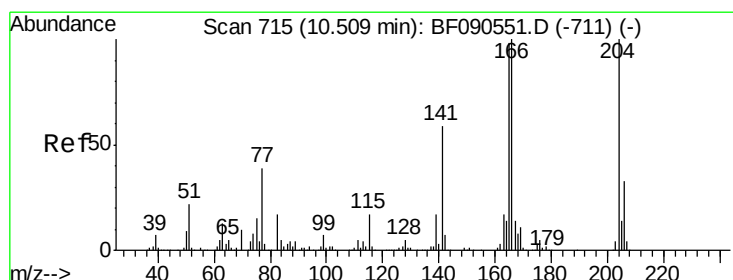
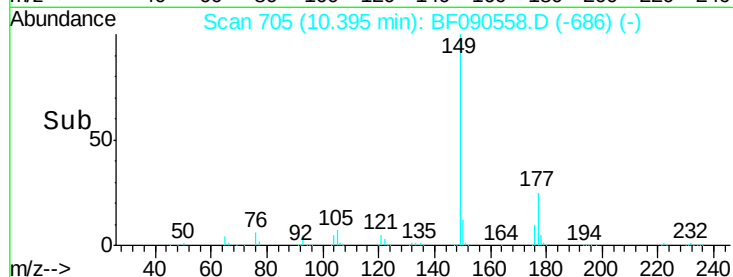
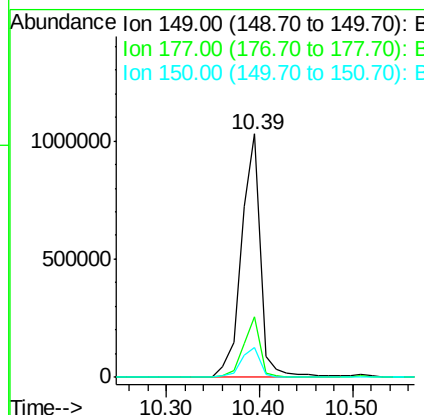
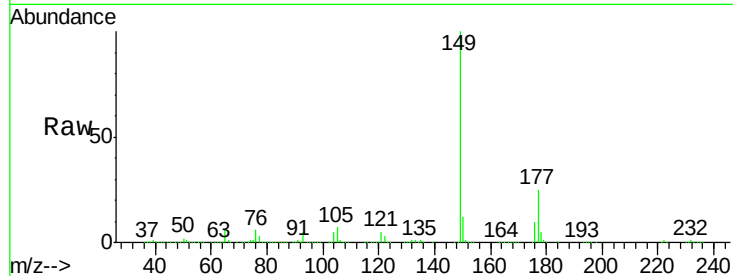
ClientSampled :

PB94017BS

Tot Ion:149 Resp: 1461125
 Ion Ratio Lower Upper
 149 100
 177 24.9 15.3 22.9#
 150 12.5 10.3 15.5

Manual Integrations
 APPROVED

Umangi
 10/14/2016 6:45:35 PM



#60

4-Chlorophenyl-phenylether

Concen: 36.09 ng

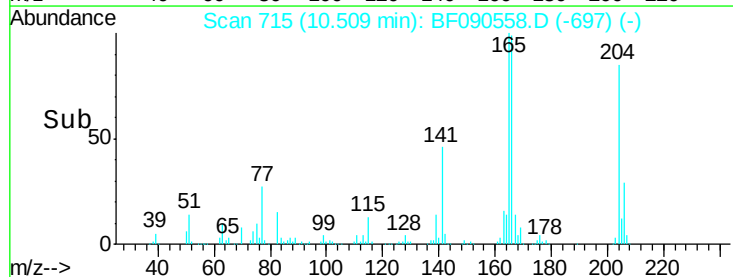
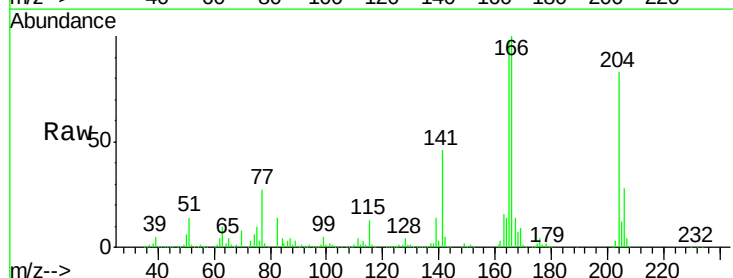
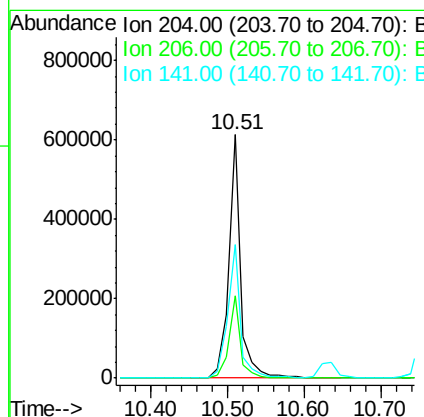
RT: 10.51 min Scan# 715

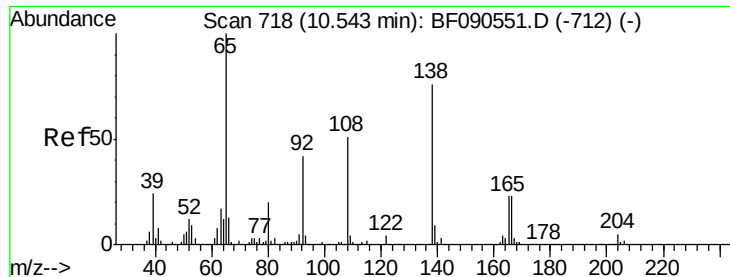
Delta R.T. 0.00 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Tgt Ion:204 Resp: 676549
 Ion Ratio Lower Upper
 204 100
 206 33.7 26.5 39.7
 141 55.0 47.2 70.8





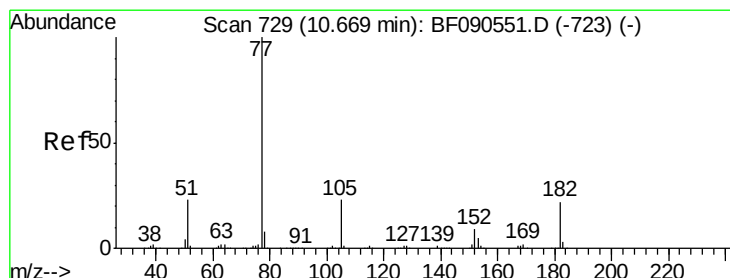
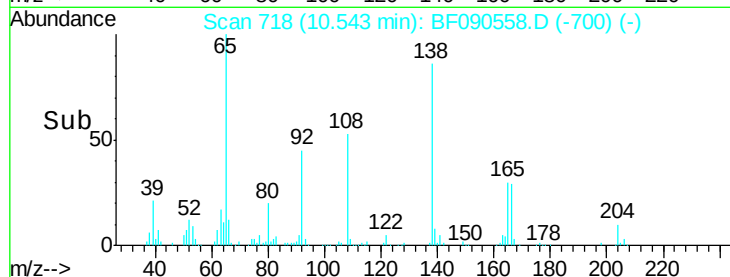
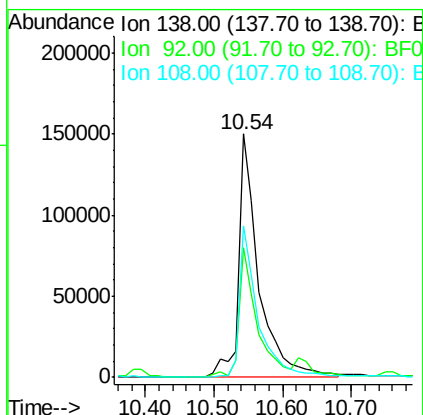
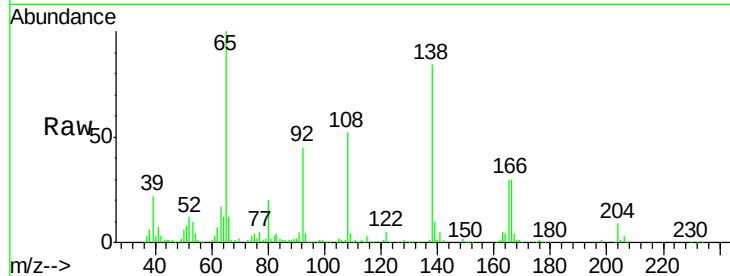
#61
4-Nitroaniline
Concen: 28.27 ng
RT: 10.54 min Scan# 718
Delta R.T. 0.00 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Instrument :
BNA_F
ClientSampled :
PB94017BS

Tot Ion	Ratio	Lower	Upper
138	100		
92	53.1	35.7	75.7
108	62.1	46.9	86.9

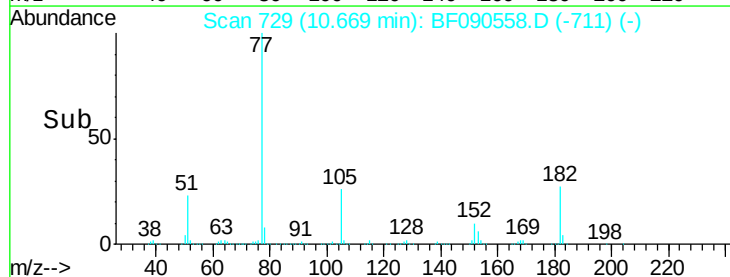
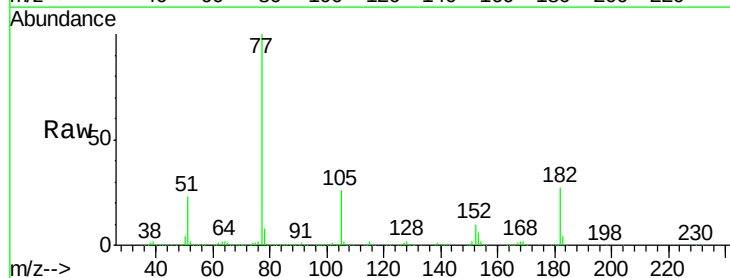
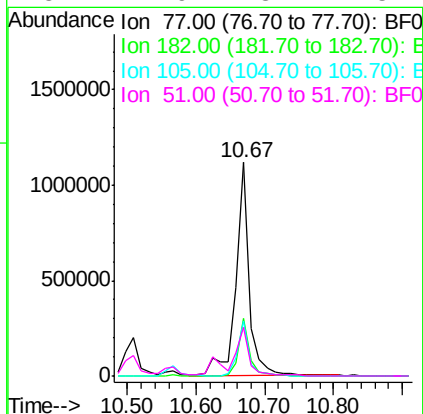
Manual Integrations
APPROVED

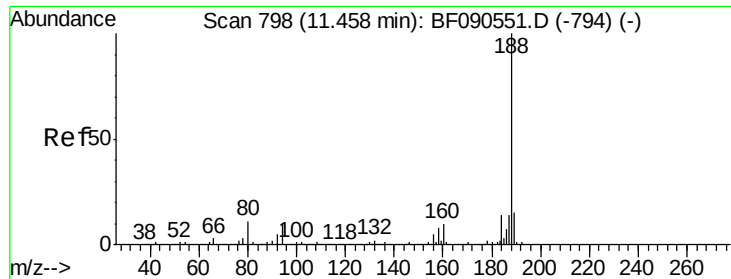
Umangi
10/14/2016 6:45:35 PM



#62
Azobenzene
Concen: 33.13 ng
RT: 10.67 min Scan# 729
Delta R.T. 0.00 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Tgt Ion	Ratio	Lower	Upper
77	100		
182	27.2	2.2	42.2
105	25.7	3.5	43.5
51	22.9	3.7	43.7





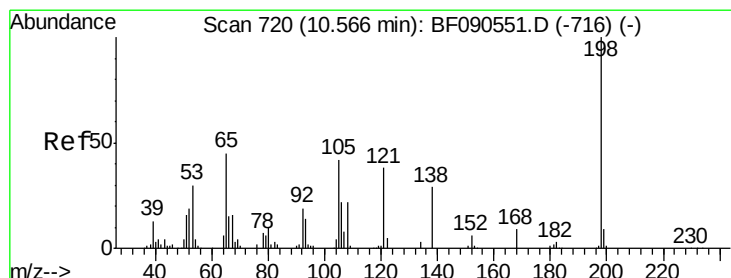
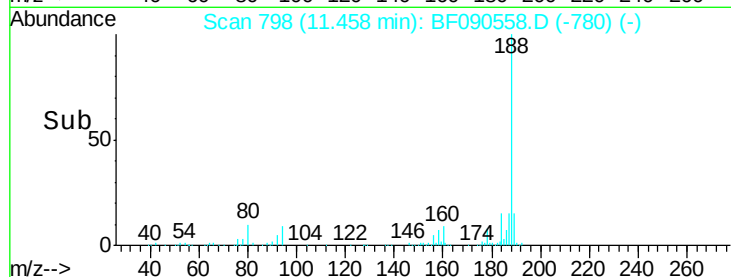
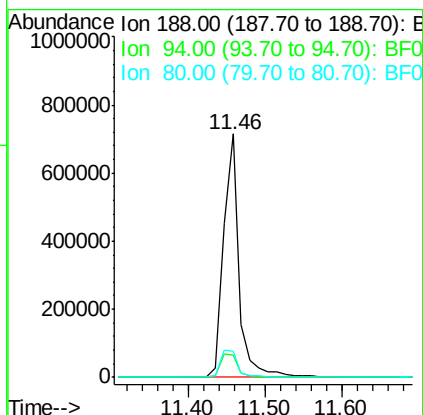
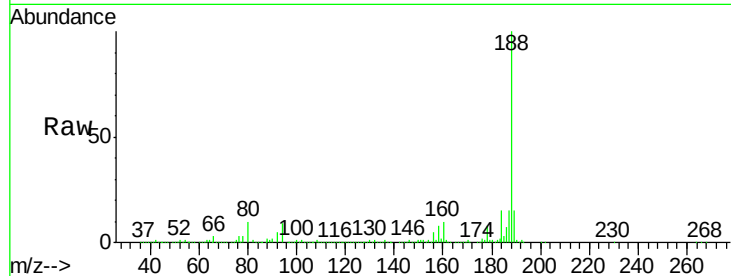
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 798
Delta R.T. 0.00 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Instrument :
BNA_F
ClientSampleId :
PB94017BS

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.7	11.5
80	10.4	8.6	12.8

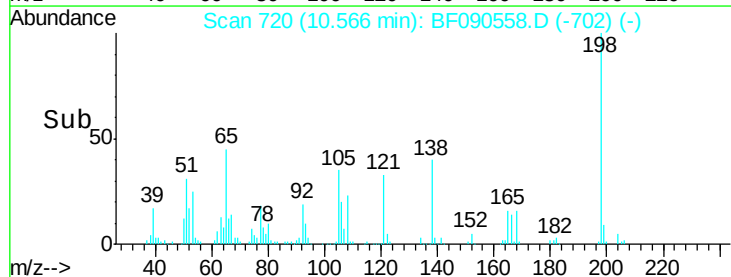
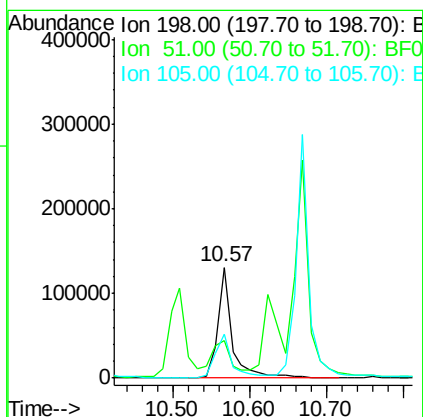
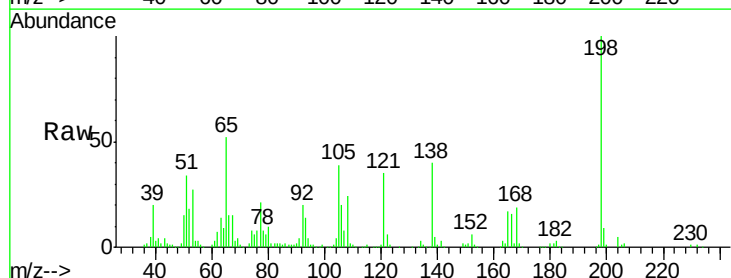
Manual Integrations
APPROVED

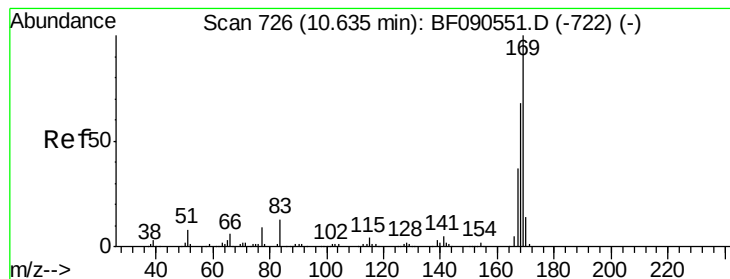
Umangi
10/14/2016 6:45:35 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 27.69 ng
RT: 10.57 min Scan# 720
Delta R.T. 0.00 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Tgt Ion	Ratio	Lower	Upper
198	100		
51	33.5	19.7	59.7
105	39.1	22.6	62.6





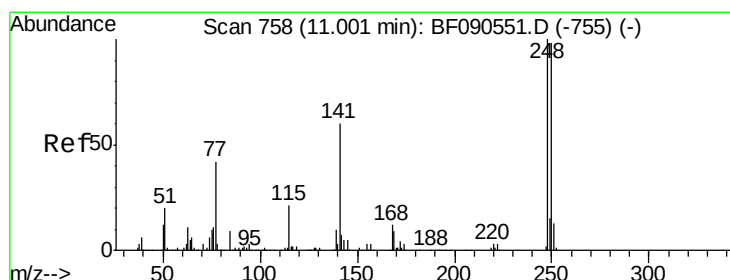
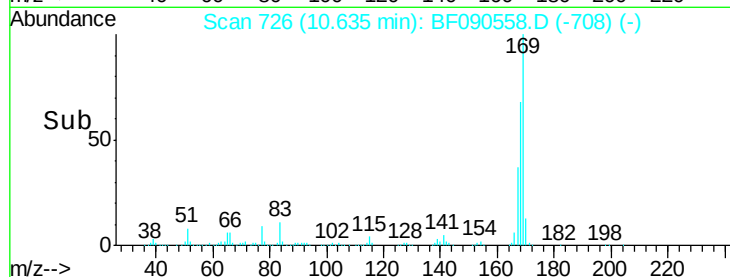
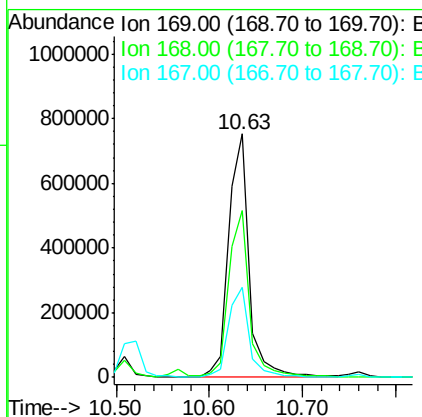
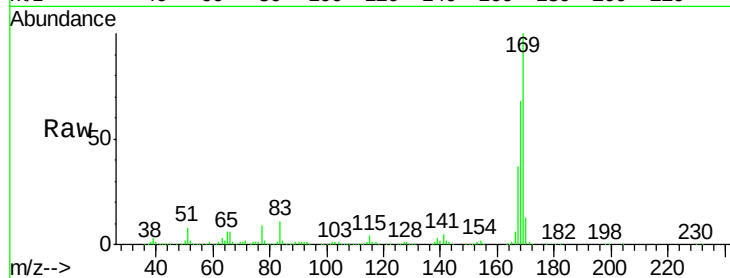
#65
n-Nitrosodiphenylamine
Concen: 34.11 ng
RT: 10.63 min Scan# 726
Delta R.T. 0.00 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Instrument :
BNA_F
ClientSampleId :
PB94017BS

Tot Ion	Ratio	Lower	Upper
169	100		
168	68.4	54.6	81.8
167	37.1	29.8	44.8

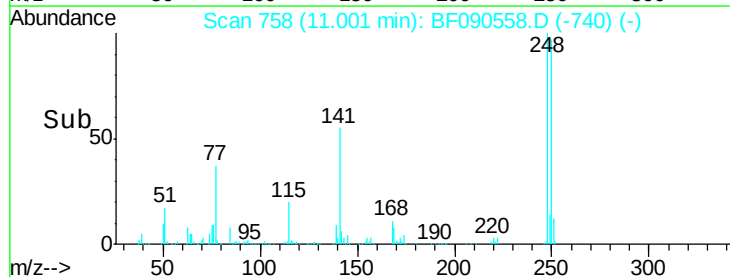
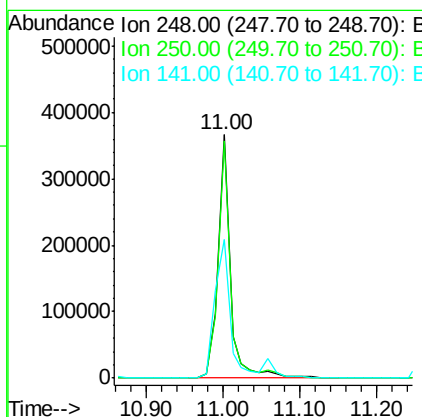
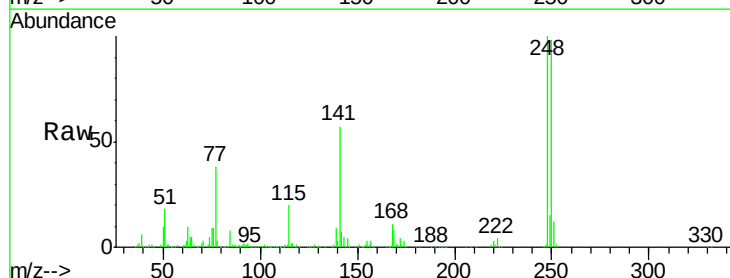
Manual Integrations
APPROVED

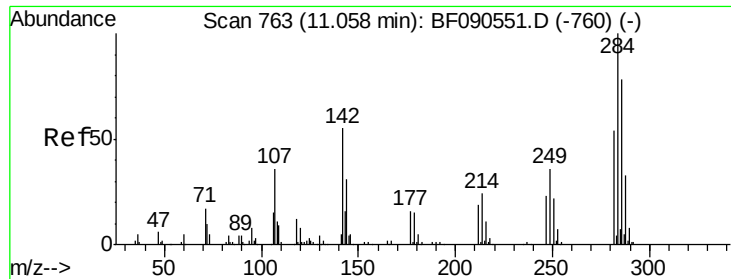
Umangi
10/14/2016 6:45:35 PM



#66
4-Bromophenyl-phenylether
Concen: 37.81 ng
RT: 11.00 min Scan# 758
Delta R.T. 0.00 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.7	78.4	117.6
141	56.8	48.4	72.6





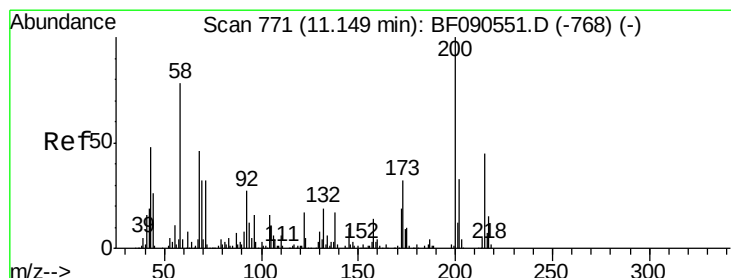
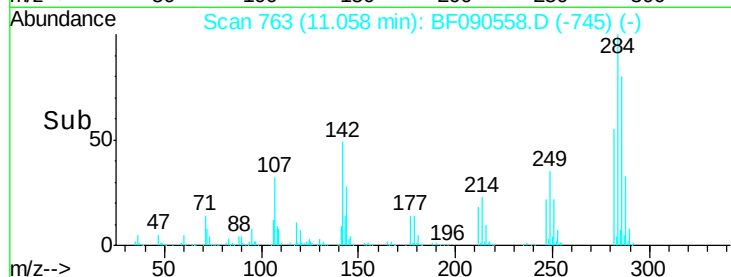
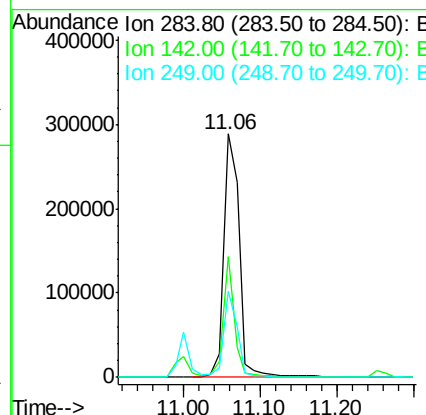
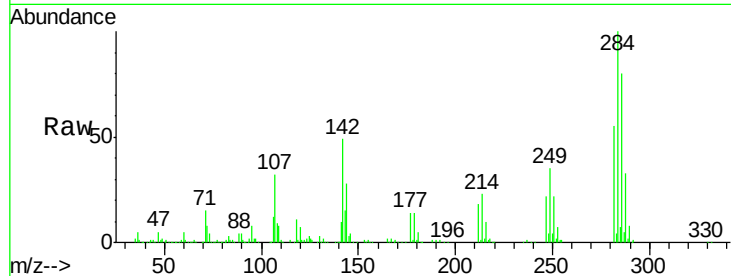
#67
Hexachlorobenzene
Concen: 34.32 ng
RT: 11.06 min Scan# 763
Delta R.T. 0.00 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Instrument :
BNA_F
ClientSampleId :
PB94017BS

Tot Ion	Ratio	Resp	Lower	Upper
284	100	407891		
142	49.4		44.5	66.7
249	35.3		29.6	44.4

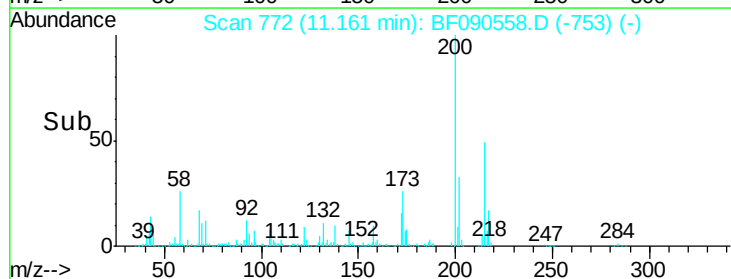
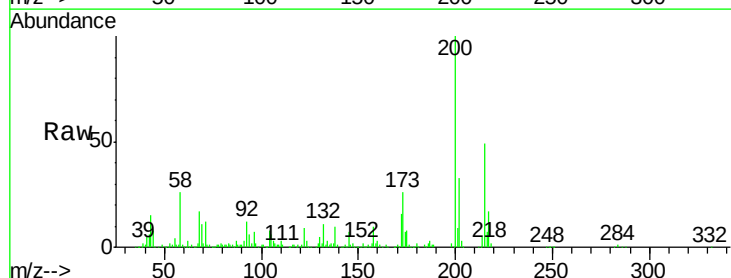
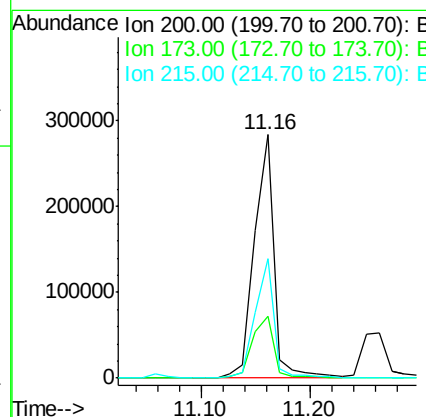
Manual Integrations
APPROVED

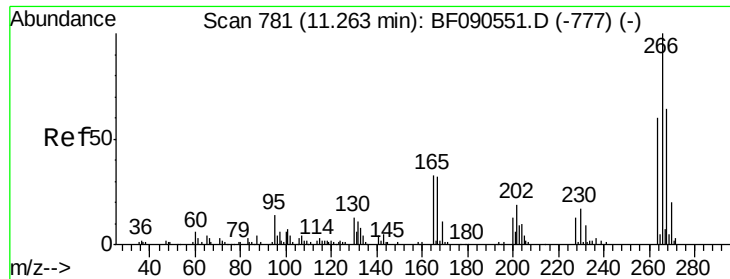
Umangi
10/14/2016 6:45:35 PM



#68
Atrazine
Concen: 38.51 ng
RT: 11.16 min Scan# 772
Delta R.T. 0.01 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	358892		
173	25.5		12.0	52.0
215	49.2		25.2	65.2





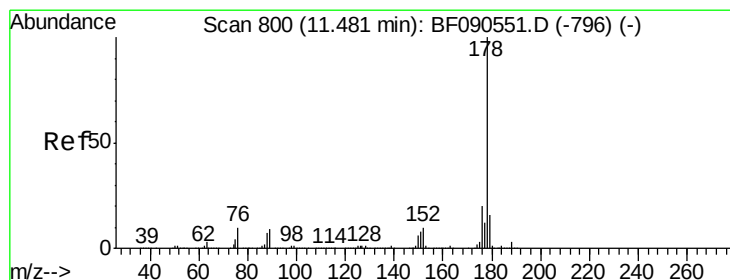
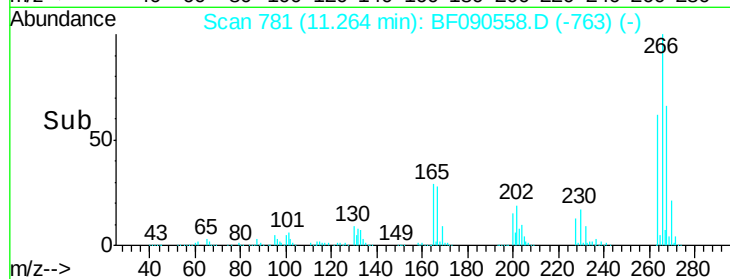
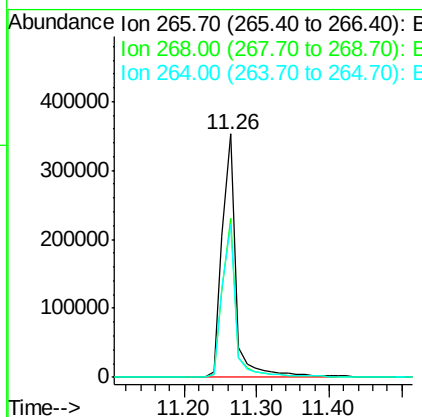
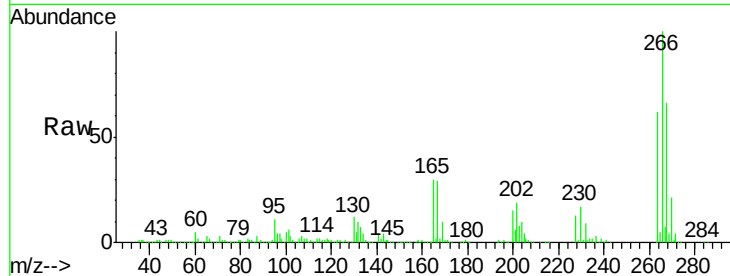
#69
 Pentachlorophenol
 Concen: 80.09 ng
 RT: 11.26 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Instrument :
 BNA_F
 ClientSampleId :
 PB94017BS

Tot Ion	Ratio	Resp	Lower	Upper
266	100	471729		
268	65.5		51.5	77.3
264	62.5		47.9	71.9

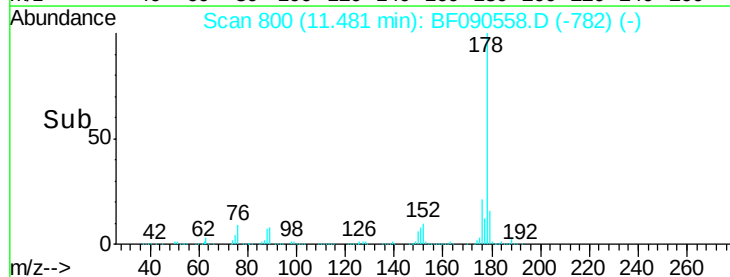
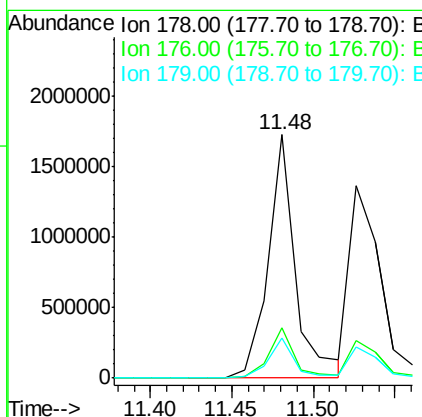
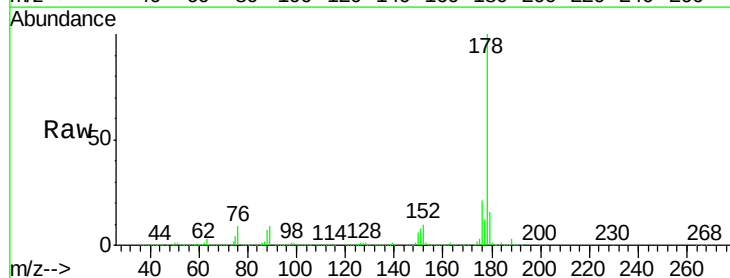
Manual Integrations
 APPROVED

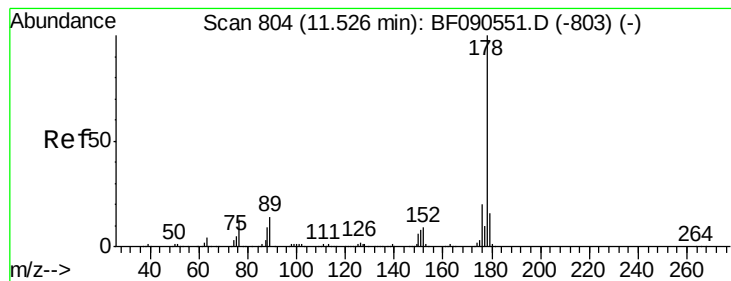
Umangi
 10/14/2016 6:45:35 PM



#70
 Phenanthrene
 Concen: 37.16 ng
 RT: 11.48 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2023244		
176	20.7		16.1	24.1
179	16.4		12.6	19.0





#71

Anthracene

Concen: 32.52 ng

RT: 11.53 min Scan# 804

Delta R.T. 0.00 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

Tot Ion:178 Resp: 1905753

Ion Ratio Lower Upper

178 100

176 19.5 15.5 23.3

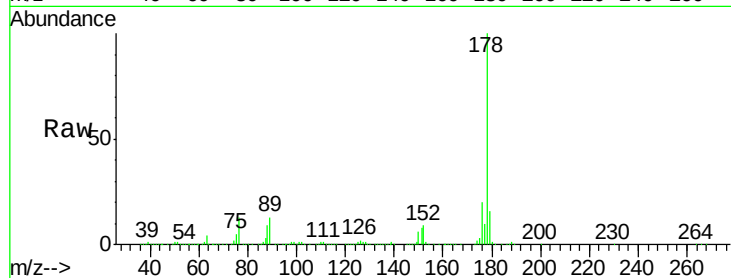
179 16.1 13.0 19.4

Manual Integrations

APPROVED

Umangi

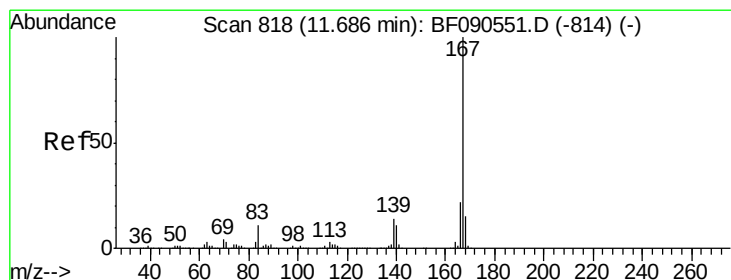
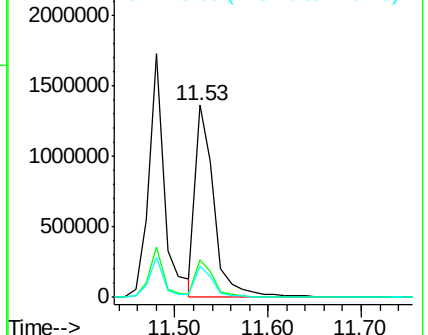
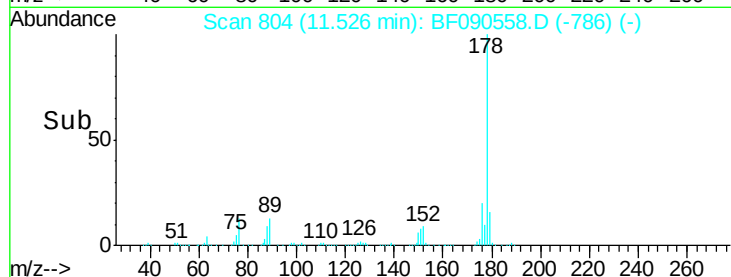
10/14/2016 6:45:35 PM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 32.86 ng

RT: 11.69 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

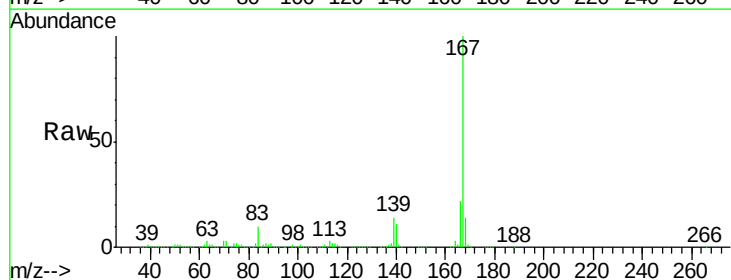
Tgt Ion:167 Resp: 1723755

Ion Ratio Lower Upper

167 100

166 22.4 17.8 26.8

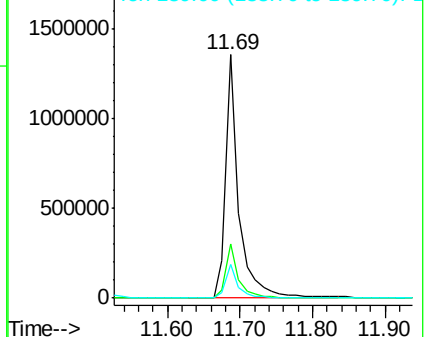
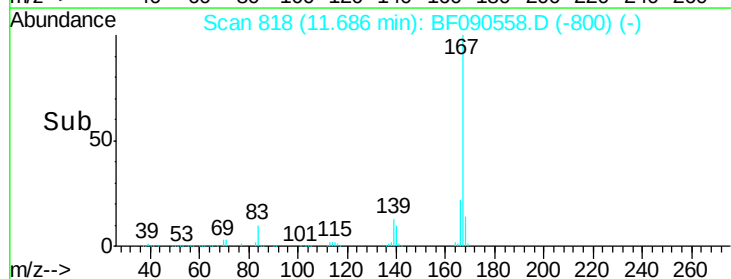
139 14.0 11.3 16.9

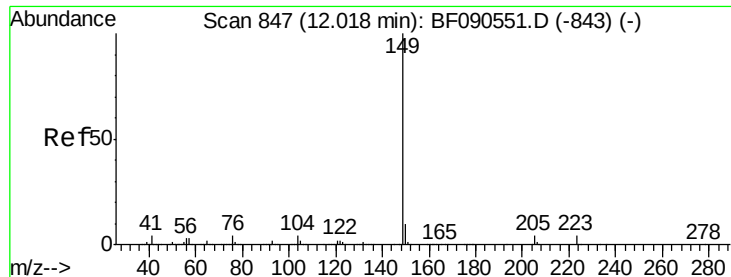


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 35.89 ng

RT: 12.02 min Scan# 847

Delta R.T. 0.00 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

Tot Ion:149 Resp: 2205656

Ion Ratio Lower Upper

149 100

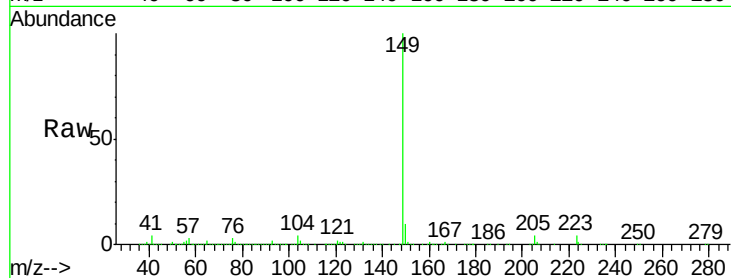
150 9.6 7.8 11.6

104 4.1 3.3 4.9

Manual Integrations
APPROVED

Umangi

10/14/2016 6:45:35 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

2500000

2000000

1500000

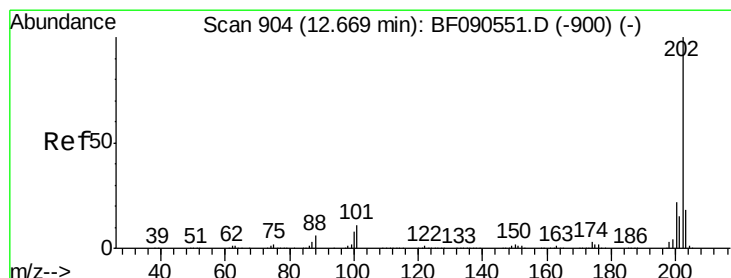
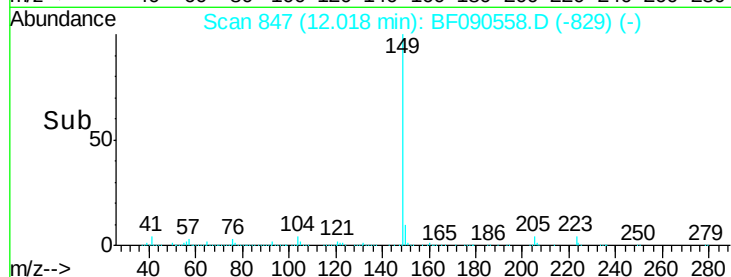
1000000

500000

0

12.02

Time-->



#74

Fluoranthene

Concen: 36.41 ng

RT: 12.67 min Scan# 904

Delta R.T. 0.00 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

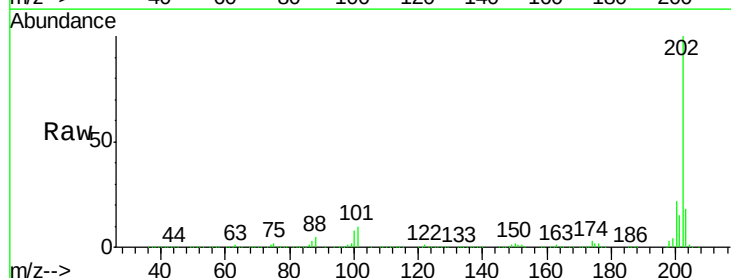
Tgt Ion:202 Resp: 1993898

Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.1

203 18.3 0.0 38.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

2000000

1500000

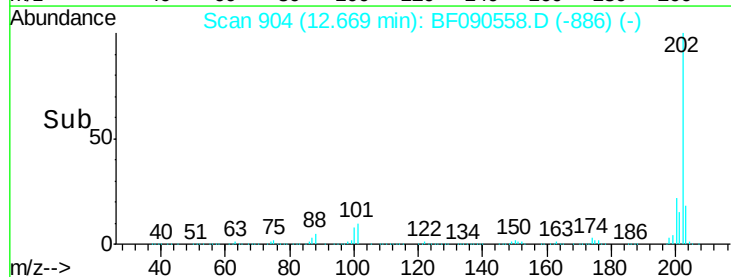
1000000

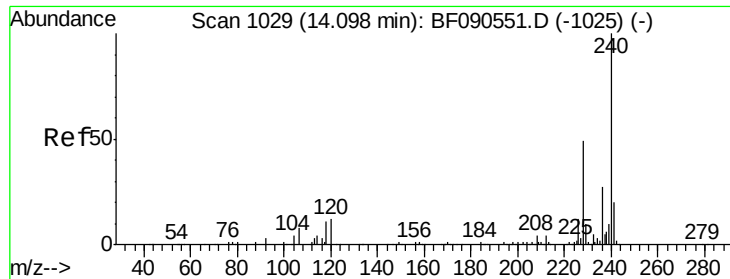
500000

0

12.67

Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.10 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

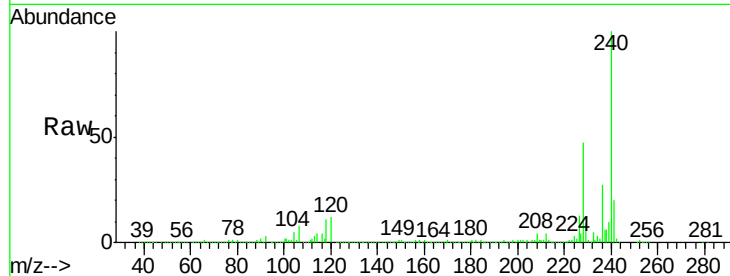
ClientSampleId :

PB94017BS

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.8	14.8
236	27.1	21.7	32.5

Manual Integrations
APPROVED

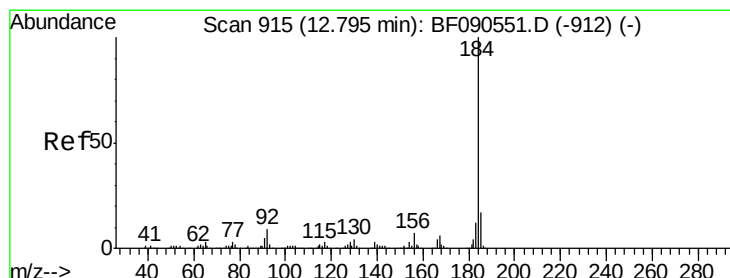
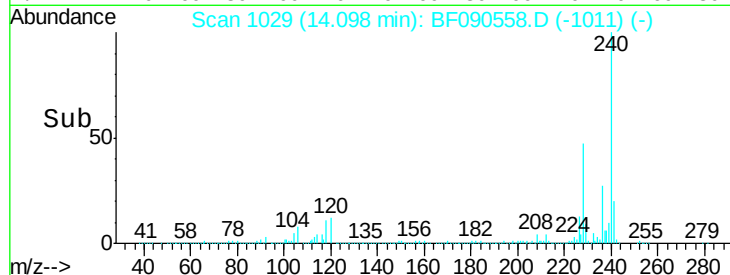
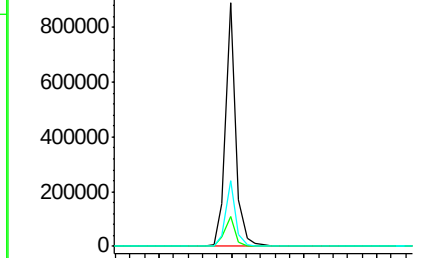
Umangi
10/14/2016 6:45:35 PM



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: 6.02 ng

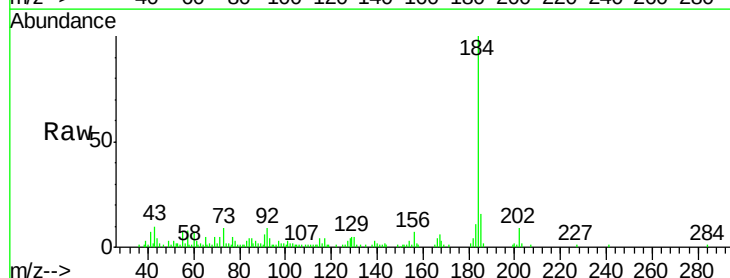
RT: 12.80 min Scan# 915

Delta R.T. 0.00 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

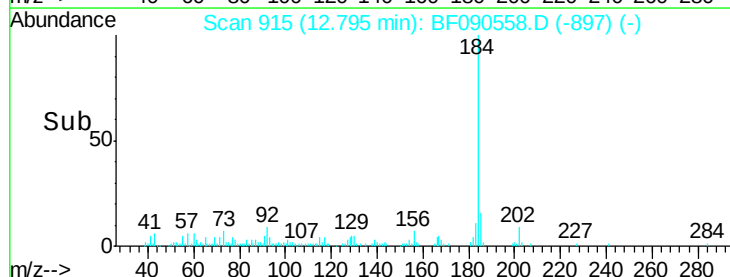
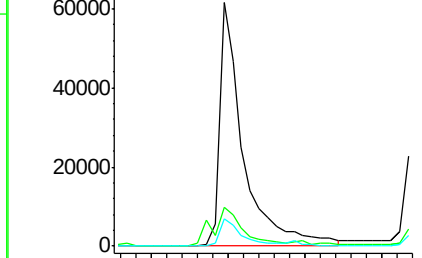
Tgt Ion	Ratio	Lower	Upper
184	100		
185	16.2	13.4	20.0
183	11.2	9.4	14.0

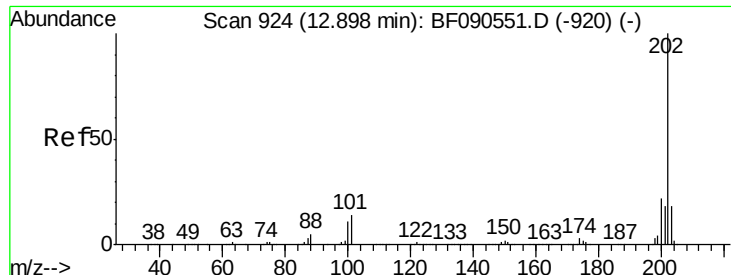


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





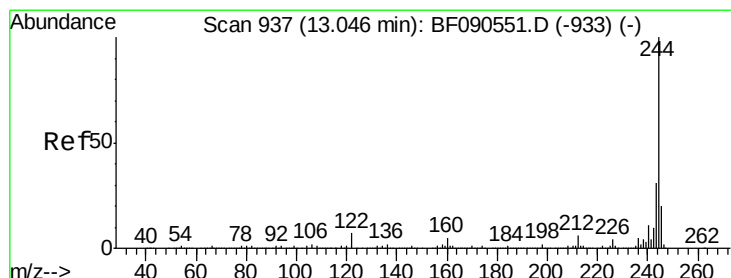
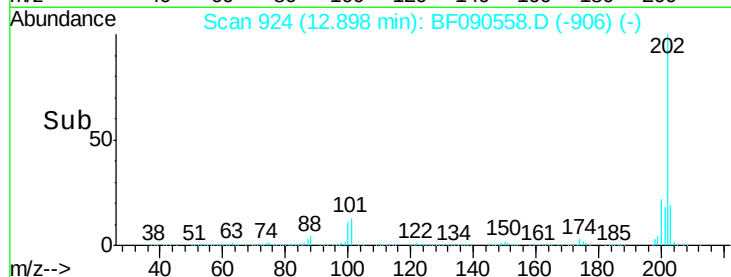
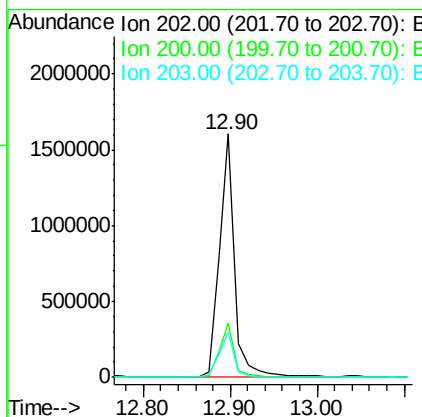
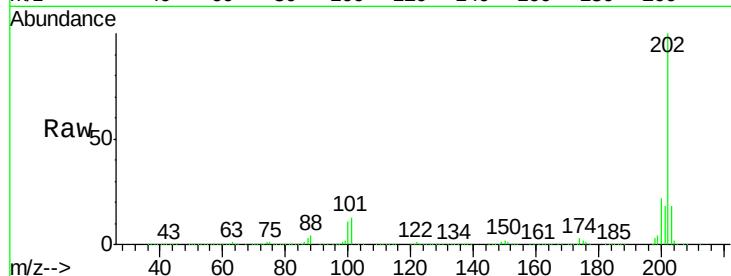
#77
Pvrene
Concen: 33.54 ng
RT: 12.90 min Scan# 924
Delta R.T. 0.00 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Instrument :
BNA_F
ClientSampleId :
PB94017BS

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.8	26.6
203	18.4	14.6	21.8

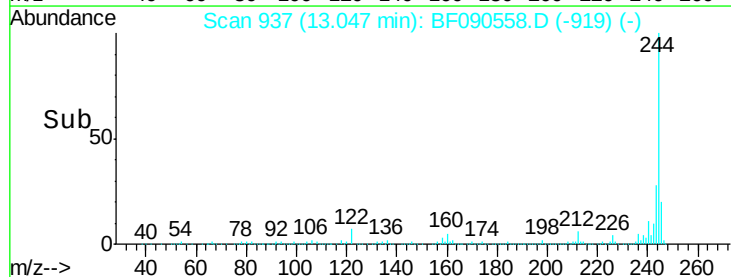
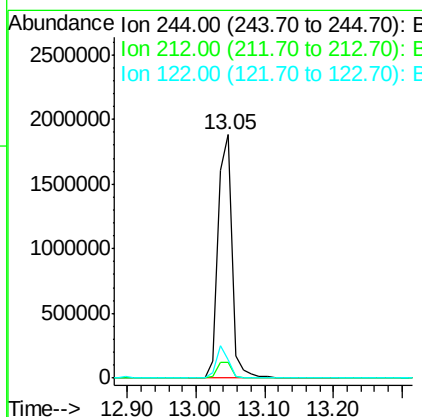
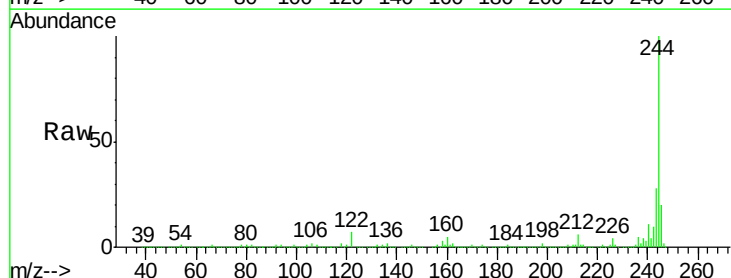
Manual Integrations
APPROVED

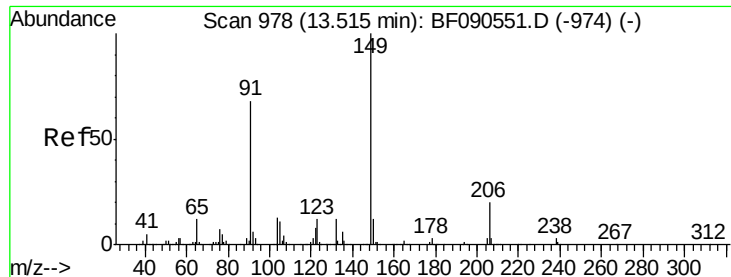
Umangi
10/14/2016 6:45:35 PM



#78
Terphenyl-d14
Concen: 71.35 ng
RT: 13.05 min Scan# 937
Delta R.T. 0.00 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.0	7.4
122	7.5	5.6	8.4





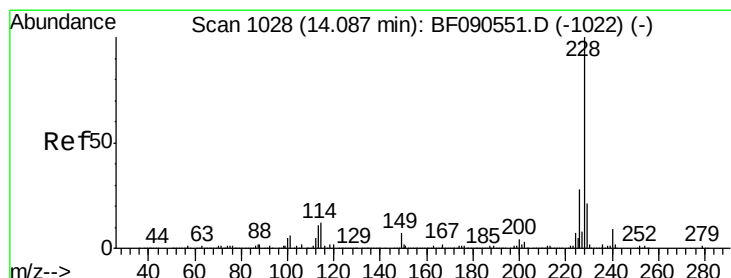
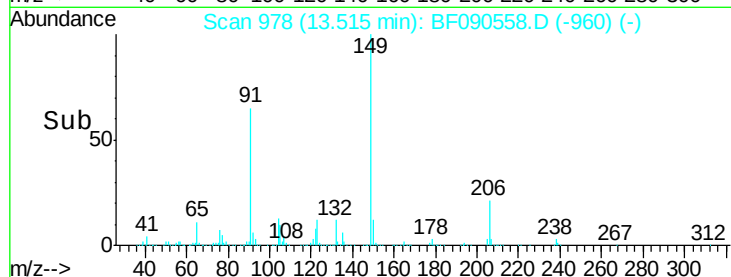
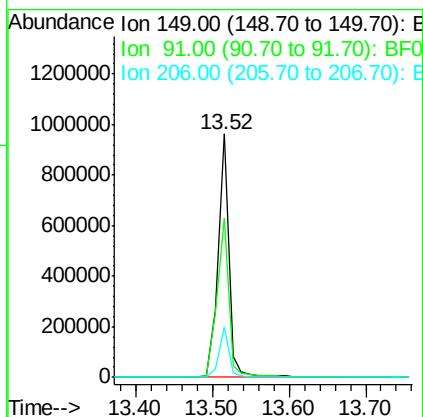
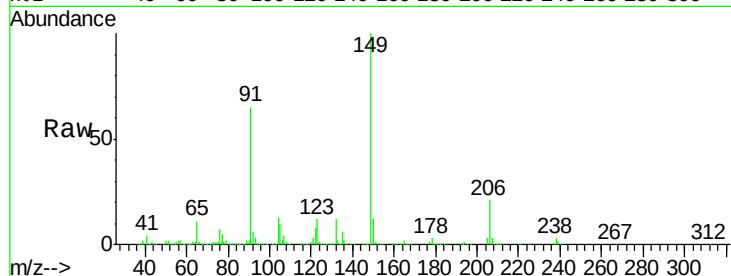
#79
 Butylbenzylphthalate
 Concen: 36.89 ng
 RT: 13.52 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Instrument :
 BNA_F
 ClientSampleId :
 PB94017BS

Tot Ion	Ratio	Lower	Upper
149	100		
91	65.4	54.3	81.5
206	20.7	15.8	23.6

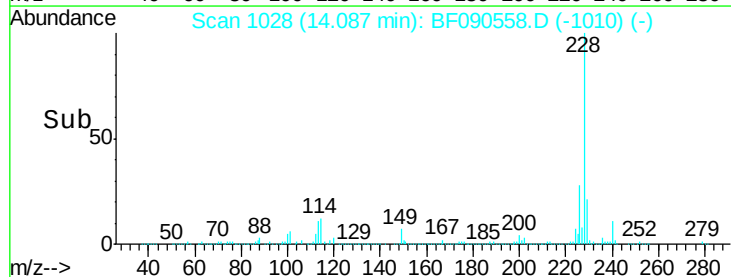
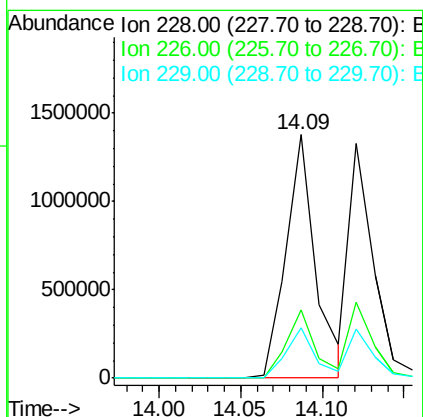
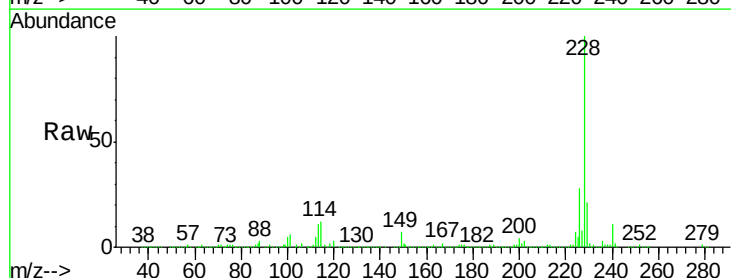
Manual Integrations
 APPROVED

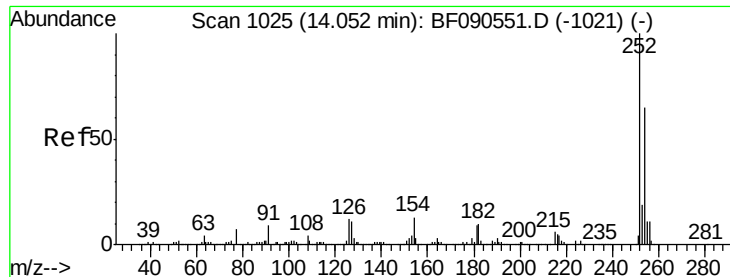
Umangi
 10/14/2016 6:45:35 PM



#80
 Benzo(a)anthracene
 Concen: 34.81 ng
 RT: 14.09 min Scan# 1028
 Delta R.T. 0.00 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.8	34.2
229	20.6	16.6	25.0





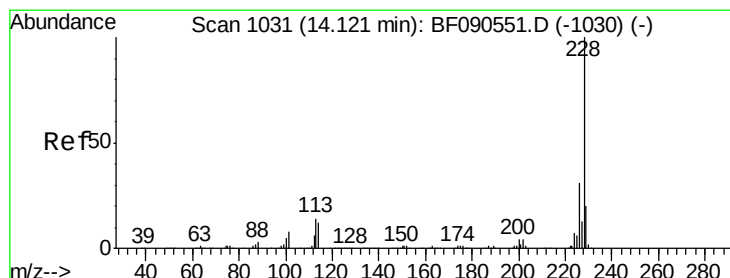
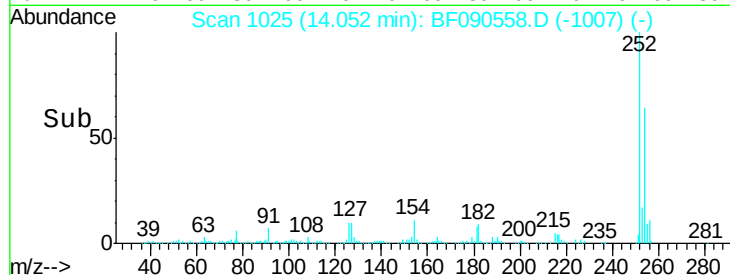
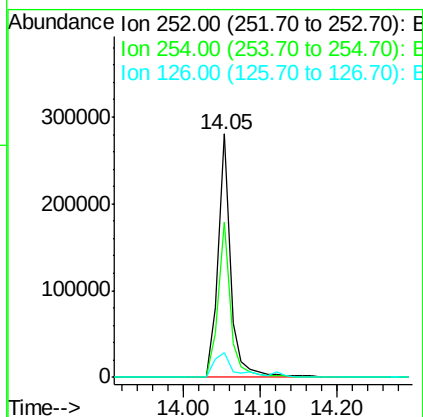
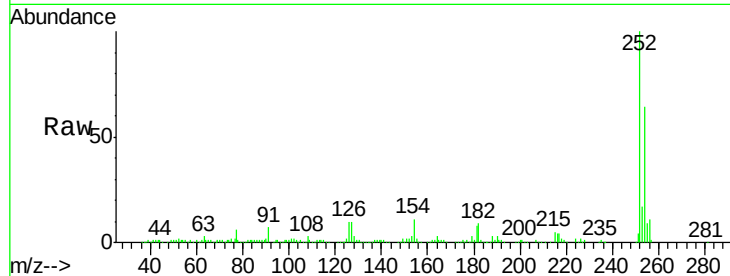
#81
 3,3'-Dichlorobenzidine
 Concen: 18.97 ng
 RT: 14.05 min Scan# 1025
 Delta R.T. 0.00 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Instrument :
 BNA_F
 ClientSampleId :
 PB94017BS

Tot Ion	Ratio	Resp	Lower	Upper
252	100	325513		
254	64.0	52.1	78.1	
126	10.3	9.3	13.9	

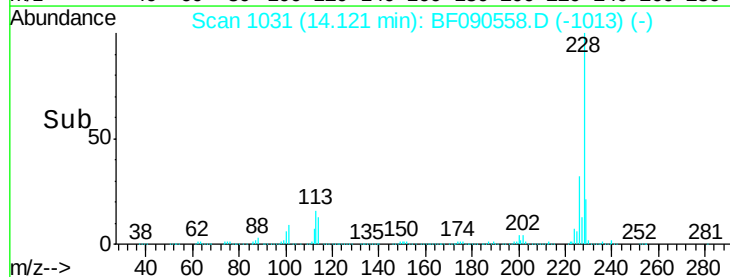
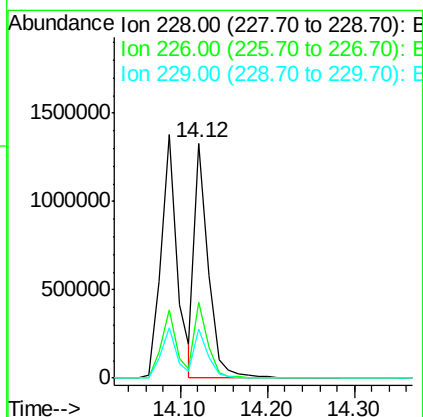
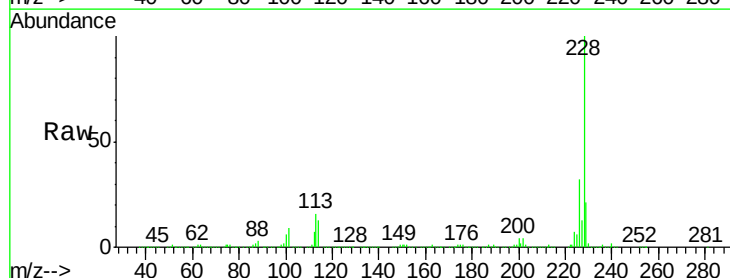
Manual Integrations
 APPROVED

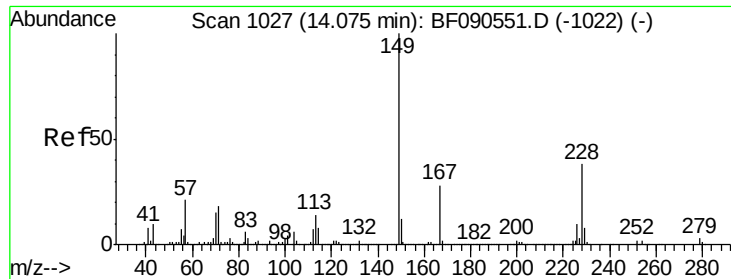
Umangi
 10/14/2016 6:45:35 PM



#82
 Chrysene
 Concen: 30.07 ng
 RT: 14.12 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1455536		
226	32.1	24.8	37.2	
229	20.8	16.2	24.4	





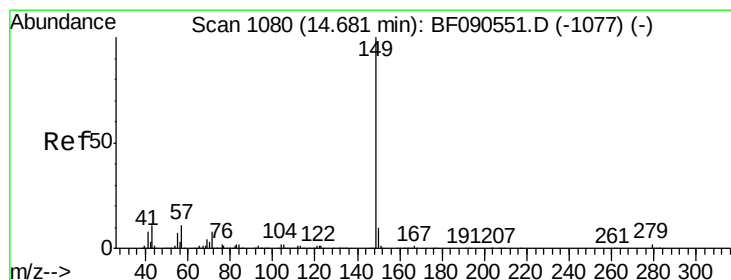
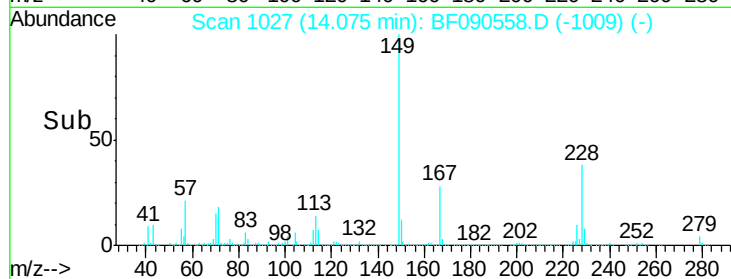
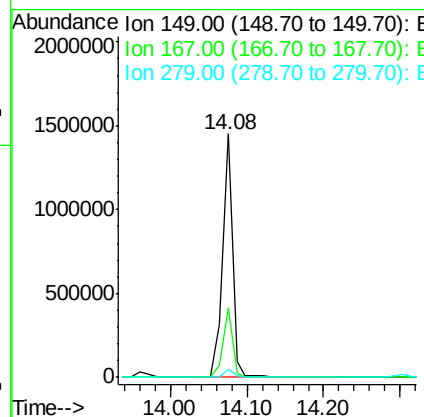
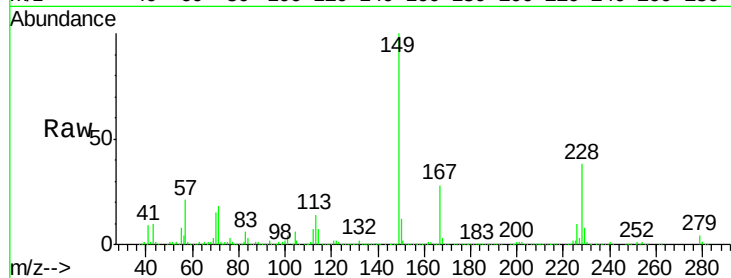
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 37.24 ng
 RT: 14.08 min Scan# 1027
 Delta R.T. 0.00 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Instrument :
 BNA_F
 ClientSampleId :
 PB94017BS

Tot Ion:149 Resp: 1300977
 Ion Ratio Lower Upper
 149 100
 167 28.5 22.1 33.1
 279 3.6 2.6 4.0

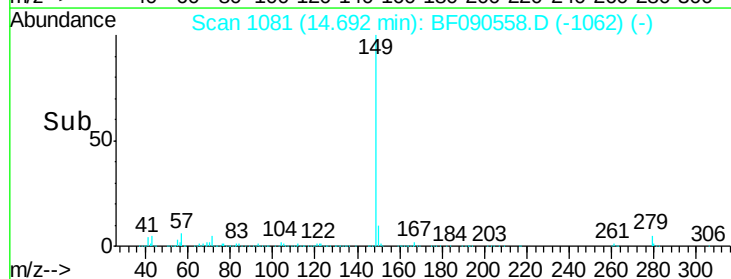
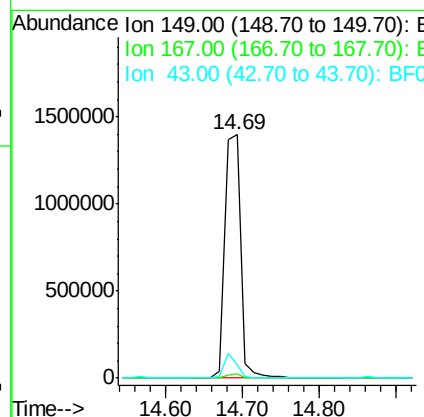
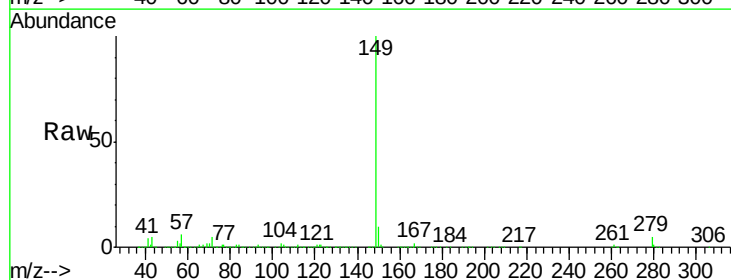
Manual Integrations
 APPROVED

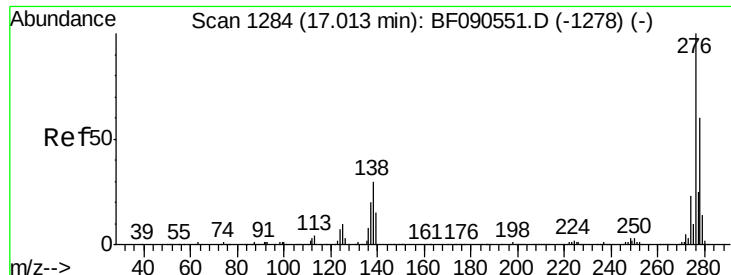
Umangi
 10/14/2016 6:45:35 PM



#84
 Di-n-octyl phthalate
 Concen: 43.48 ng
 RT: 14.69 min Scan# 1081
 Delta R.T. 0.01 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Tgt Ion:149 Resp: 2036768
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.2 1.8
 43 7.9 6.7 10.1





#85

Indeno(1,2,3-cd)pyrene

Concen: 35.61 ng

RT: 17.01 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

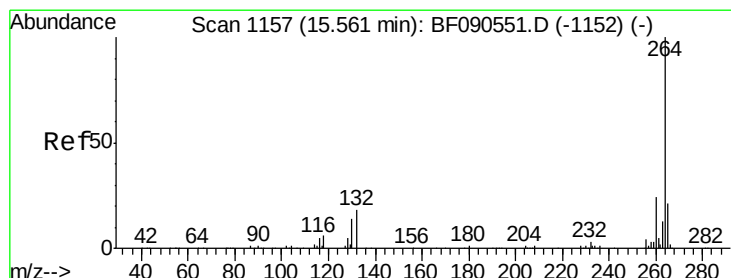
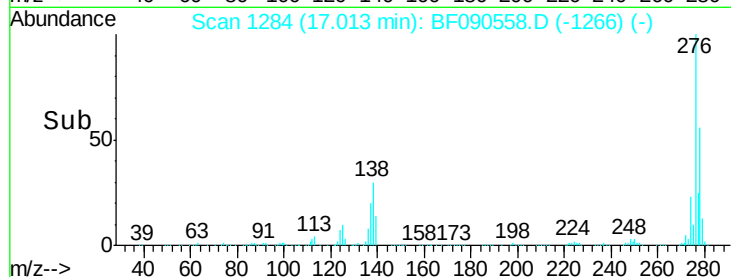
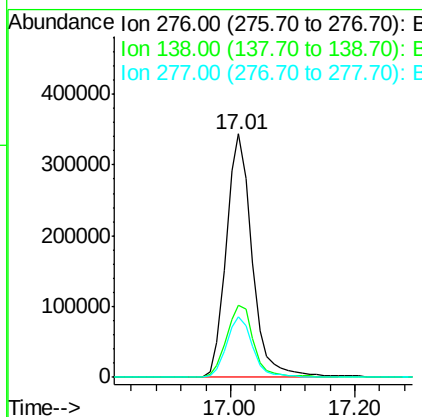
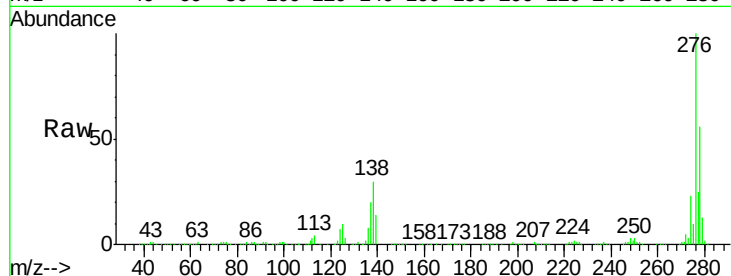
ClientSampleId :

PB94017BS

Tot Ion:	276	Resp:	996513
Ion Ratio	Lower	Upper	
276	100		
138	31.5	25.8	38.6
277	25.1	20.1	30.1

Manual Integrations
APPROVED

Umangi
10/14/2016 6:45:35 PM



#86

Perylene-d12

Concen: 20.00 ng

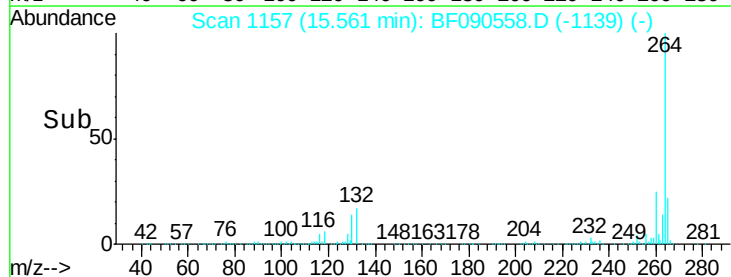
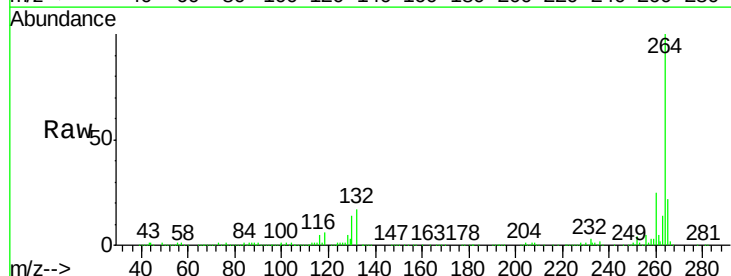
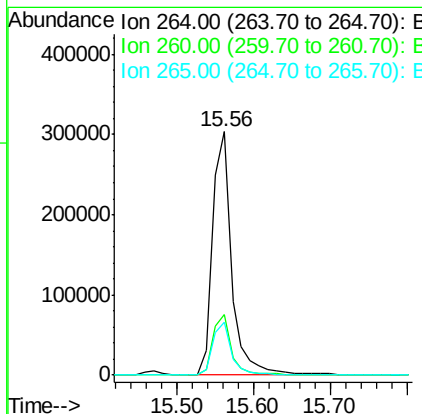
RT: 15.56 min Scan# 1157

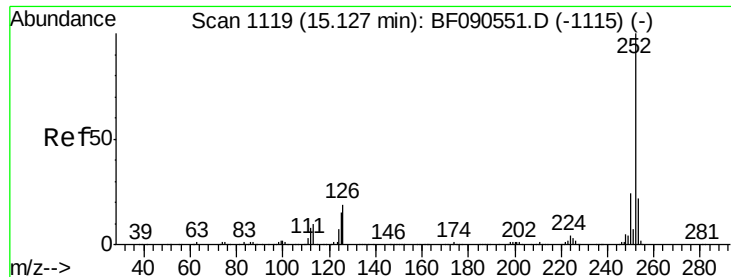
Delta R.T. 0.00 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Tgt Ion:	264	Resp:	524081
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.3	28.9
265	21.6	16.7	25.1





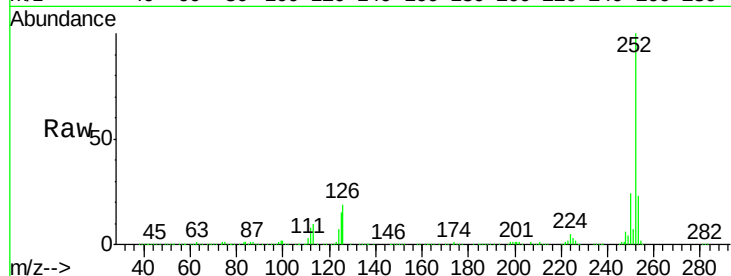
#87
Benzo(b)fluoranthene
Concen: 40.36 ng
RT: 15.13 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Instrument :
BNA_F
ClientSampled :
PB94017BS

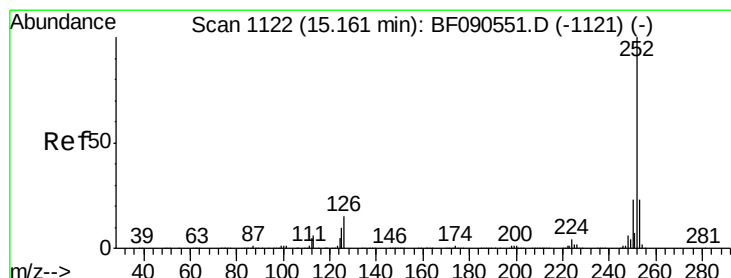
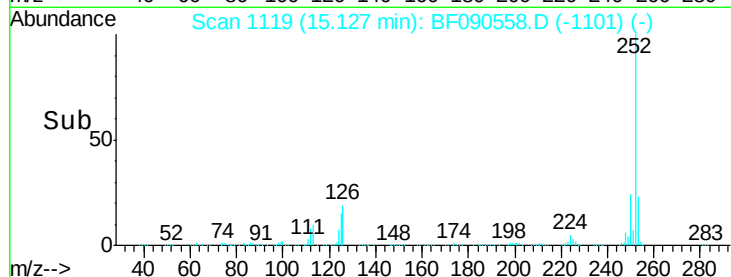
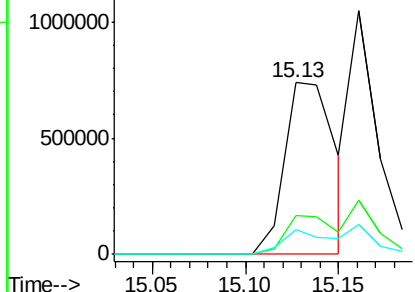
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	14.6	12.0	18.0

Manual Integrations
APPROVED

Umangi
10/14/2016 6:45:35 PM



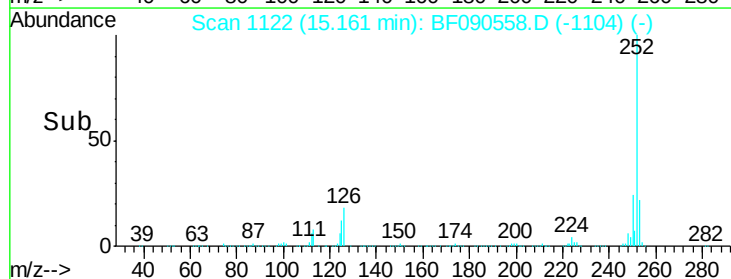
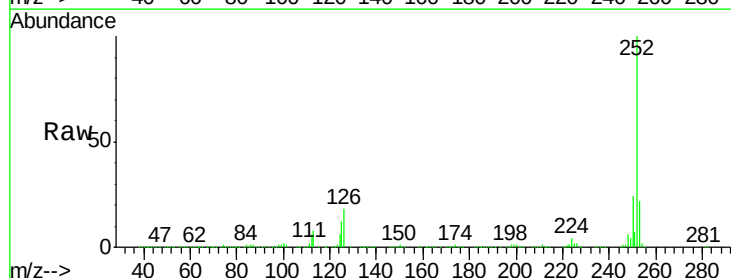
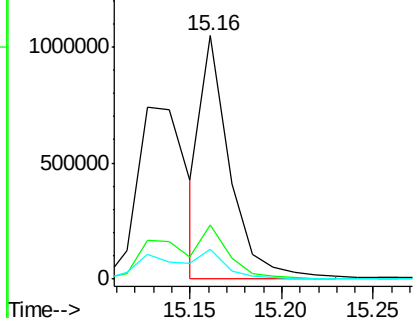
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

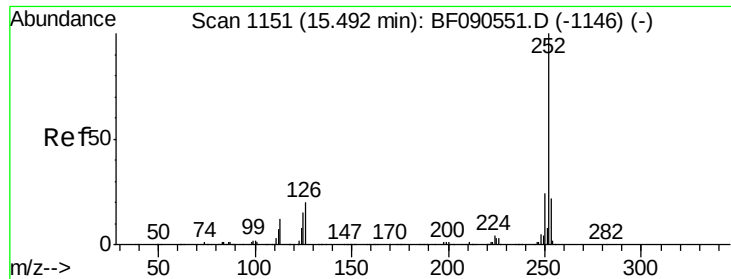


#88
Benzo(k)fluoranthene
Concen: 31.27 ng m
RT: 15.16 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.0	27.0
125	12.3	10.0	15.0

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





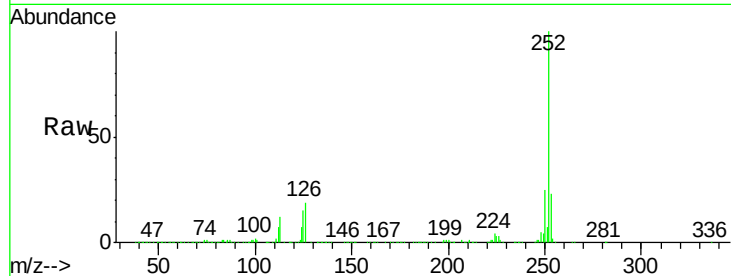
#89
Benzo(a)pyrene
Concen: 35.31 ng
RT: 15.49 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Instrument :
BNA_F
ClientSampleId :
PB94017BS

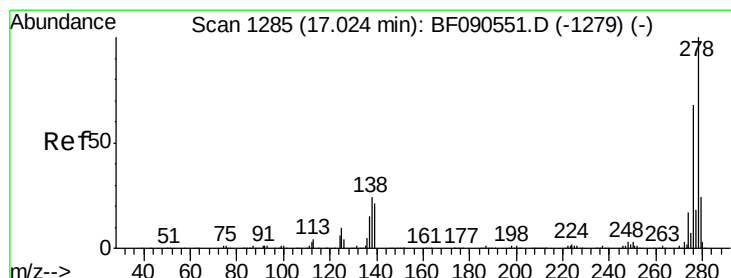
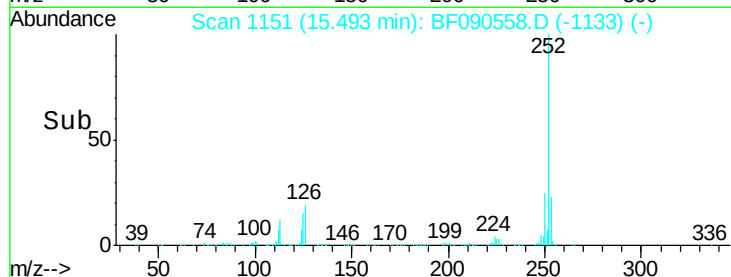
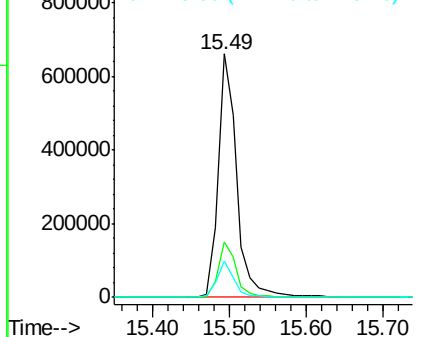
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	14.9	12.3	18.5

Manual Integrations
APPROVED

Umangi
10/14/2016 6:45:35 PM



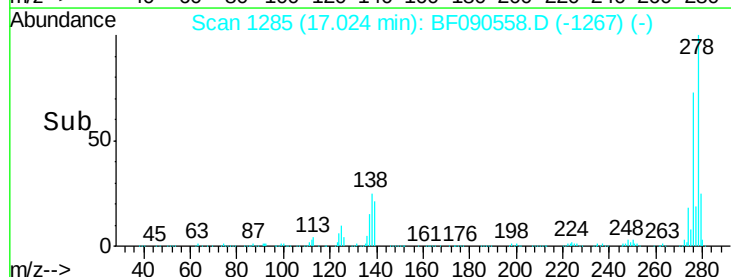
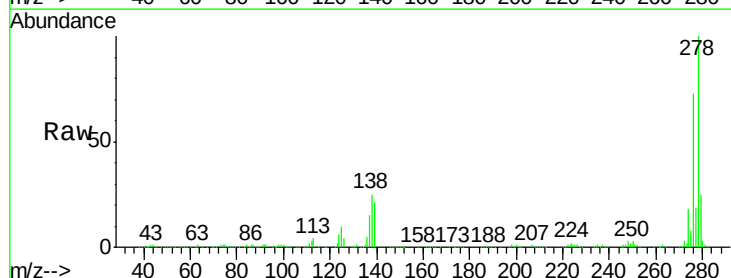
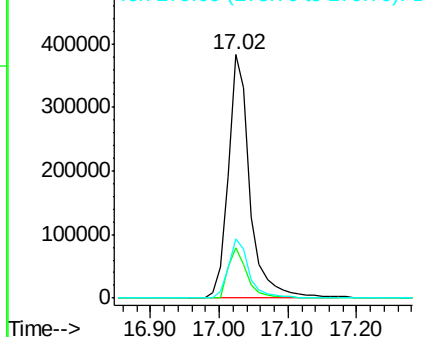
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

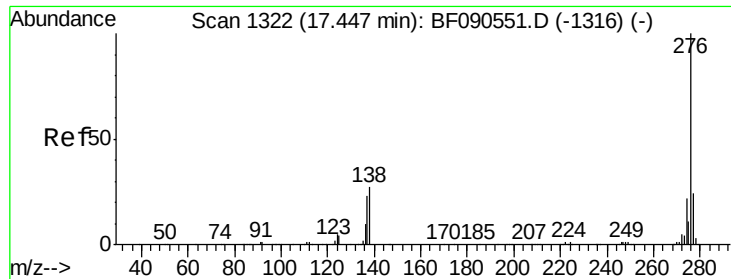


#90
Dibenzo(a,h)anthracene
Concen: 35.52 ng
RT: 17.02 min Scan# 1285
Delta R.T. 0.00 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.9	16.6	25.0
279	24.6	19.1	28.7

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





#91
 Benzo(a,h,i)perylene
 Concen: 35.14 ng
 RT: 17.45 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Instrument :
 BNA_F
 ClientSampleId :
 PB94017BS

Tot Ion:	276	Resp:	802173
Ion Ratio		Lower	Upper
276	100		
277	23.6	18.8	28.2
138	26.9	21.8	32.8

Manual Integrations
 APPROVED

Umangi
 10/14/2016 6:45:35 PM

