

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121115\
 Data File : BF083705.D
 Acq On : 11 Dec 2015 18:33
 Operator : UM/IZ
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF121115

Manual Integrations
 APPROVED

MMdadoda
 12/14/2015 6:22:29 PM

Quant Time: Dec 11 22:38:26 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 11 19:24:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	126798	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	513043	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	229566	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	438097	20.00	ng	0.00
75) Chrysene-d12	14.08	240	288982	20.00	ng	0.00
86) Perylene-d12	15.51	264	225880	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	663783	80.62	ng	-0.01
7) Phenol-d6	6.54	99	790075	77.70	ng	0.00
23) Nitrobenzene-d5	7.48	82	680845	90.00	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	212428	95.60	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	1226497	78.69	ng	0.00
78) Terphenyl-d14	13.03	244	1138349	88.46	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.57	88	160729	39.92	ng	# 86
3) Pyridine	3.30	79	432142	41.31	ng	89
4) n-Nitrosodimethylamine	3.24	42	168275	39.56	ng	# 68
6) Aniline	6.58	93	560287	40.25	ng	88
8) 2-Chlorophenol	6.70	128	358694	39.87	ng	95
9) Benzaldehyde	6.46	77	230059	41.08	ng	97
10) Phenol	6.56	94	435307	36.85	ng	78
11) bis(2-Chloroethyl)ether	6.66	93	370739	42.99	ng	91
12) 1,3-Dichlorobenzene	6.86	146	394220	39.70	ng	97
13) 1,4-Dichlorobenzene	6.94	146	422777	42.15	ng	97
14) 1,2-Dichlorobenzene	7.09	146	360381	39.07	ng	96
15) Benzyl Alcohol	7.06	79	281115	39.36	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.21	45	465267	38.97	ng	67
17) 2-Methylphenol	7.17	107	293805	40.45	ng	# 86
18) Hexachloroethane	7.45	117	143610	42.30	ng	96
19) n-Nitroso-di-n-propylamine	7.34	70	247503	41.77	ng	# 83
20) 3+4-Methylphenols	7.32	107	370818	41.48	ng	# 83
22) Acetophenone	7.33	105	485527	39.58	ng	# 99
24) Nitrobenzene	7.50	77	391385	46.24	ng	# 90
25) Isophorone	7.74	82	672991	39.80	ng	97
26) 2-Nitrophenol	7.82	139	177761	51.00	ng	# 81
27) 2,4-Dimethylphenol	7.86	122	340345	40.14	ng	99
28) bis(2-Chloroethoxy)methane	7.96	93	410050	42.41	ng	# 96
29) 2,4-Dichlorophenol	8.06	162	304899	43.49	ng	97
30) 1,2,4-Trichlorobenzene	8.16	180	333859	42.96	ng	98
31) Naphthalene	8.24	128	1072636	42.35	ng	98
32) Benzoic acid	7.96	122	225651m	46.91	ng	
33) 4-Chloroaniline	8.27	127	402707	38.22	ng	96
34) Hexachlorobutadiene	8.36	225	180505	41.79	ng	97
35) Caprolactam	8.64	113	96748	42.93	ng	# 73
36) 4-Chloro-3-methylphenol	8.75	107	315948	41.17	ng	92
37) 2-Methylnaphthalene	8.92	142	625921	39.17	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.09	216	313140	43.73	ng	# 100
40) Hexachlorocyclopentadiene	9.08	237	151403	44.68	ng	99

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121115\
 Data File : BF083705.D
 Acq On : 11 Dec 2015 18:33
 Operator : UM/IZ
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF121115

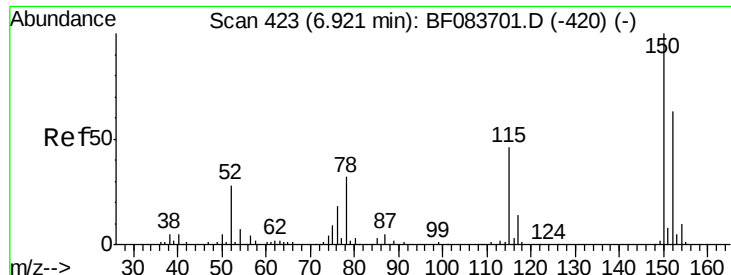
Manual Integrations
 APPROVED

MMdadoda
 12/14/2015 6:22:29 PM

Quant Time: Dec 11 22:38:26 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 11 19:24:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.20	196	218999	44.62	nq	99
43) 2,4,5-Trichlorophenol	9.23	196	186066	39.29	nq #	94
45) 1,1'-Biphenyl	9.39	154	864701	43.19	nq	96
46) 2-Chloronaphthalene	9.41	162	655150	43.41	nq	97
47) 2-Nitroaniline	9.49	65	156489	42.27	nq	91
48) Acenaphthylene	9.82	152	1005367	40.43	nq	99
49) Dimethylphthalate	9.69	163	753208	42.64	nq	99
50) 2,6-Dinitrotoluene	9.74	165	161187	47.00	nq #	62
51) Acenaphthene	10.00	154	588450	39.97	nq	99
52) 3-Nitroaniline	9.90	138	170629	44.36	nq	81
53) 2,4-Dinitrophenol	10.01	184	55203	52.04	nq #	17
54) Dibenzofuran	10.17	168	804453	41.03	nq	92
55) 4-Nitrophenol	10.05	139	149729	45.80	nq	86
56) 2,4-Dinitrotoluene	10.14	165	208172	47.73	nq #	52
57) Fluorene	10.51	166	651454	41.87	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.28	232	159212	45.40	nq #	100
59) Diethylphthalate	10.38	149	683260	41.28	nq	99
60) 4-Chlorophenyl-phenylether	10.50	204	291424	39.25	nq #	87
61) 4-Nitroaniline	10.51	138	141839	39.78	nq	93
62) Azobenzene	10.66	77	599434	38.04	nq	98
64) 4,6-Dinitro-2-methylphenol	10.54	198	82951	45.47	nq	85
65) n-Nitrosodiphenylamine	10.61	169	562901	38.71	nq	99
66) 4-Bromophenyl-phenylether	10.99	248	192313	41.07	nq #	91
67) Hexachlorobenzene	11.06	284	207939	40.77	nq	96
68) Atrazine	11.14	200	160471	38.69	nq	97
69) Pentachlorophenol	11.24	266	125304	44.02	nq	99
70) Phenanthrene	11.47	178	1019480	42.63	nq	99
71) Anthracene	11.52	178	932364	37.76	nq	99
72) Carbazole	11.66	167	847124	37.38	nq #	96
73) Di-n-butylphthalate	12.01	149	1012564	41.00	nq	100
74) Fluoranthene	12.65	202	967447	38.66	nq	96
76) Benzidine	12.76	184	493573	44.30	nq	96
77) Pyrene	12.88	202	985290	43.24	nq	99
79) Butylbenzylphthalate	13.51	149	342798	46.93	nq #	76
80) Benzo(a)anthracene	14.07	228	741744	43.81	nq	99
81) 3,3'-Dichlorobenzidine	14.02	252	229532	42.66	nq	97
82) Chrysene	14.10	228	745810	45.81	nq	99
83) Bis(2-ethylhexyl)phthalate	14.07	149	347208	43.94	nq	98
84) Di-n-octyl phthalate	14.67	149	496846	41.61	nq #	100
85) Indeno(1,2,3-cd)pyrene	16.95	276	695047	39.72	nq #	100
87) Benzo(b)fluoranthene	15.09	252	557333	39.70	nq	98
88) Benzo(k)fluoranthene	15.12	252	561143m	41.92	nq	
89) Benzo(a)pyrene	15.45	252	531682	41.65	nq	100
90) Dibenzo(a,h)anthracene	16.96	278	576349	45.57	nq #	95
91) Benzo(g,h,i)perylene	17.37	276	609130	45.68	nq	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.92 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

Instrument :

BNA_F

ClientSampleId :

ICVBF121115

Tot Ion:152 Resp: 126798

Ion Ratio Lower Upper

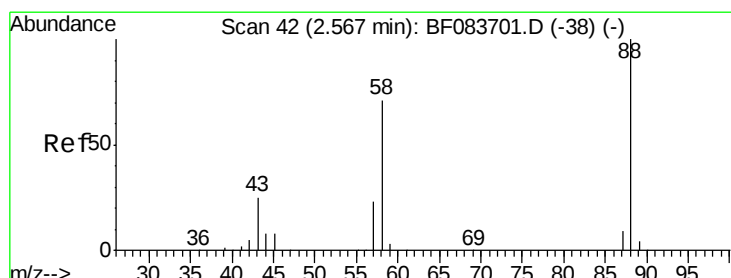
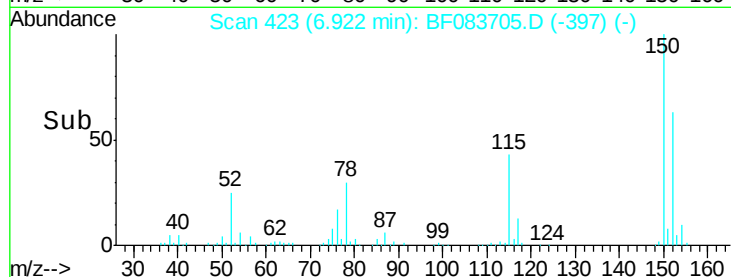
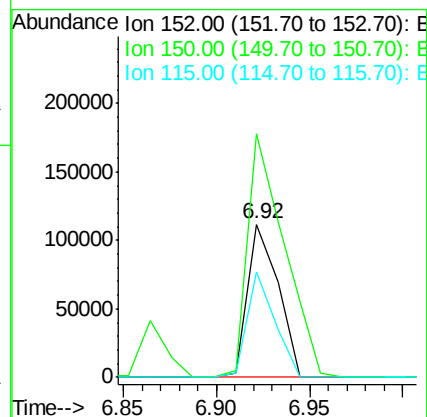
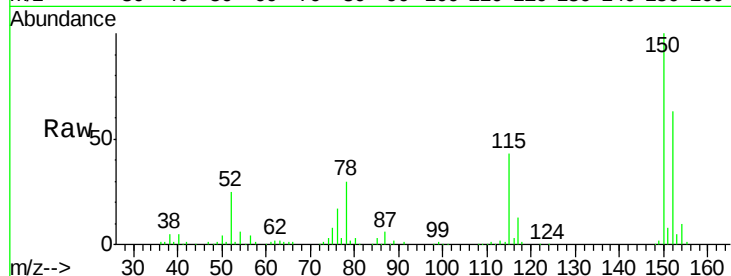
152 100

150 158.9 126.5 189.7

115 68.6 52.3 78.5

Manual Integrations
APPROVED

MMdadoda
12/14/2015 6:22:29 PM



#2

1,4-Dioxane

Concen: 39.92 ng

RT: 2.57 min Scan# 42

Delta R.T. 0.00 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

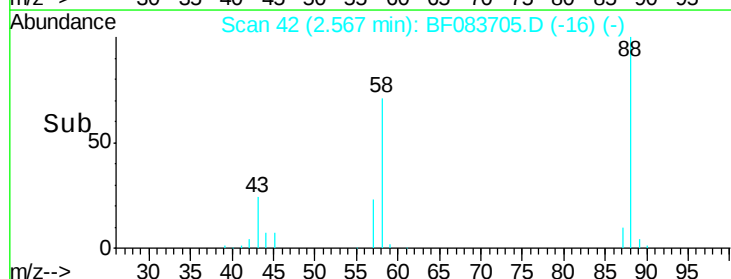
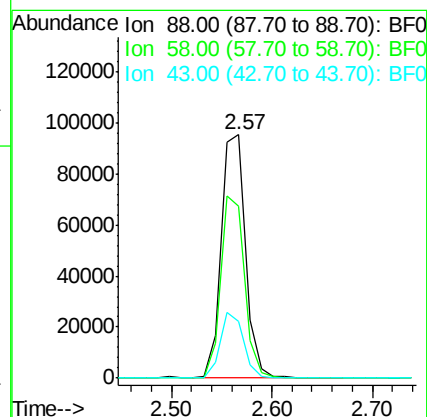
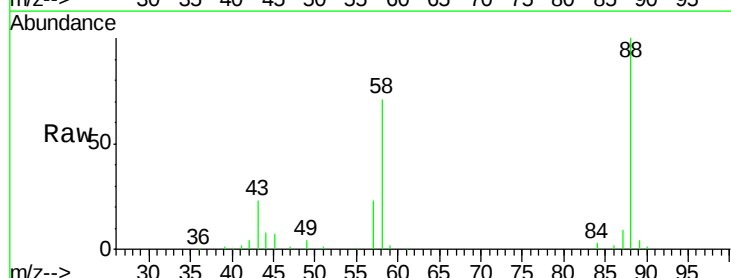
Tgt Ion: 88 Resp: 160729

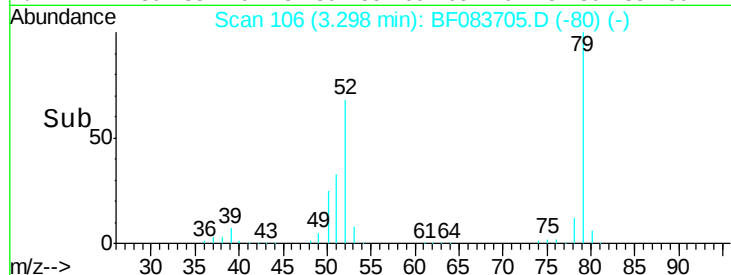
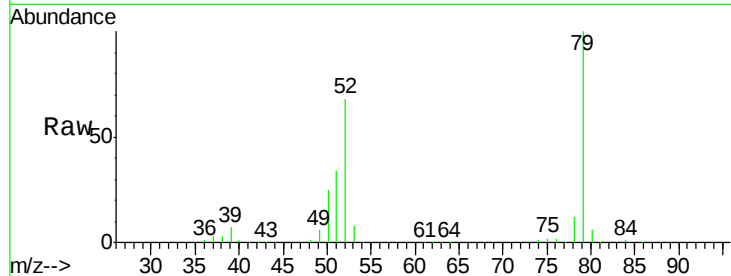
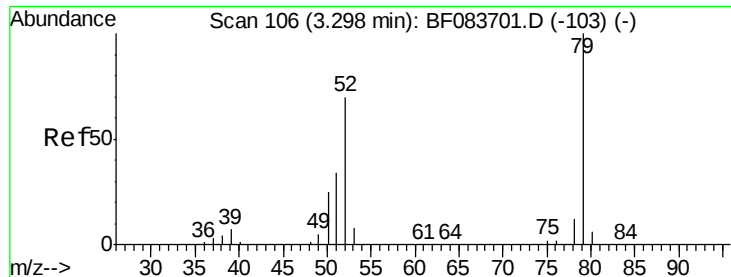
Ion Ratio Lower Upper

88 100

58 72.6 68.0 102.0

43 26.0 27.9 41.9#





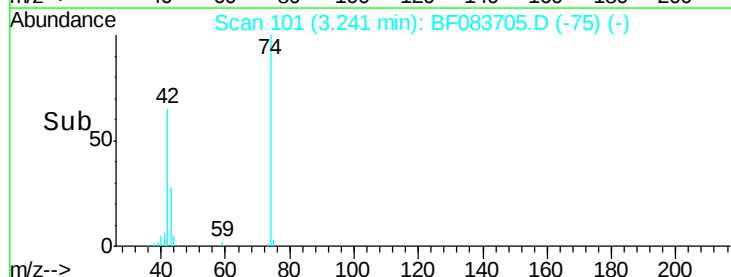
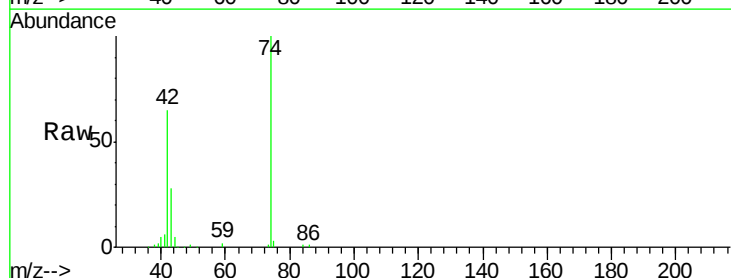
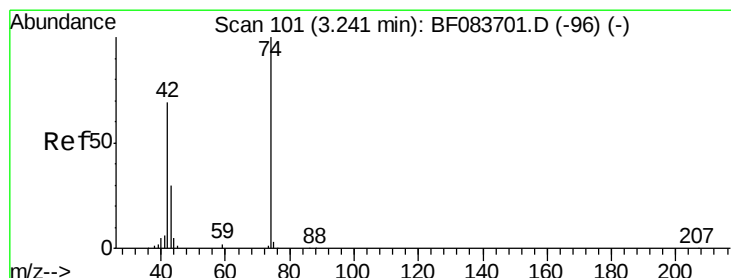
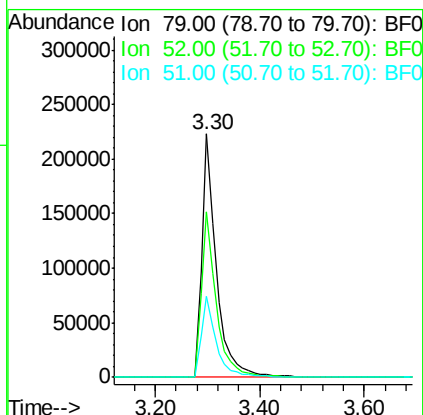
#3
 Pvridine
 Concen: 41.31 ng
 RT: 3.30 min Scan# 106
 Delta R.T. 0.00 min
 Lab File: BF083705.D
 Acq: 11 Dec 2015 18:33

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100		432142		
52	68.2		63.7	95.5	
51	33.5		30.6	45.8	

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF121115

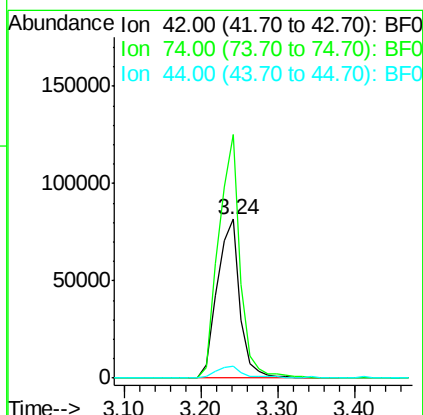
Manual Integrations
 APPROVED

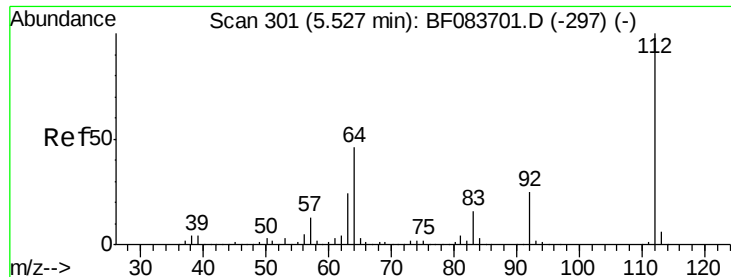
MMdadoda
 12/14/2015 6:22:29 PM



#4
 n-Nitrosodimethylamine
 Concen: 39.56 ng
 RT: 3.24 min Scan# 101
 Delta R.T. 0.00 min
 Lab File: BF083705.D
 Acq: 11 Dec 2015 18:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100		168275		
74	153.1		92.9	139.3#	
44	7.7		5.7	8.5	





#5

2-Fluorophenol

Concen: 80.62 ng

RT: 5.52 min Scan# 300

Delta R.T. -0.01 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

Instrument :

BNA_F

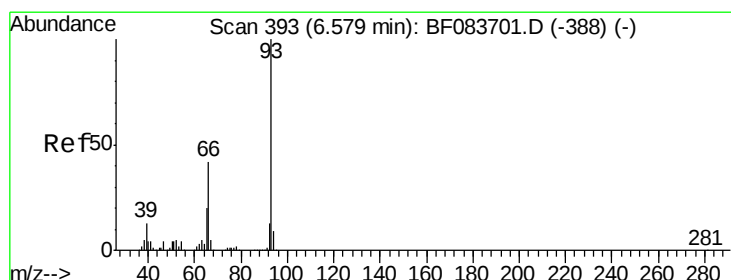
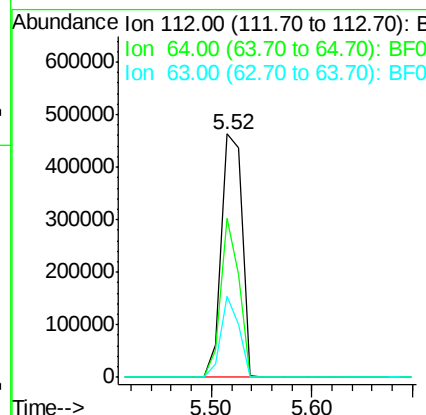
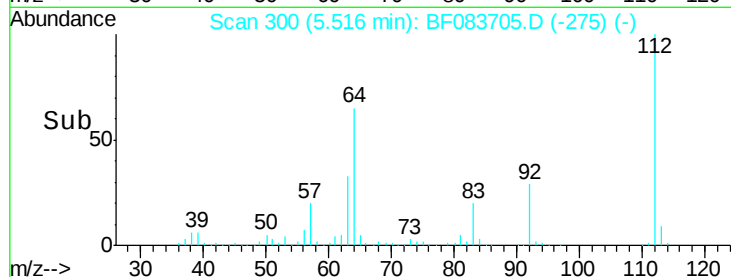
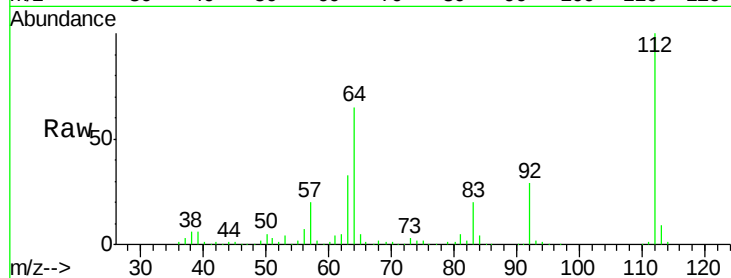
ClientSampleId :

ICVBF121115

Tot Ion:	112	Resp:	663783
Ion Ratio	Lower	Upper	
112	100		
64	65.3	50.5	75.7
63	33.2	25.8	38.6

Manual Integrations
APPROVED

MMdadoda
12/14/2015 6:22:29 PM



#6

Aniline

Concen: 40.25 ng

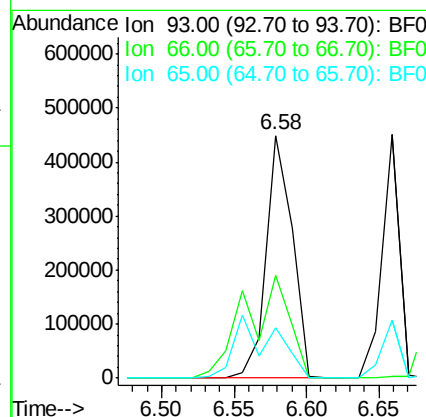
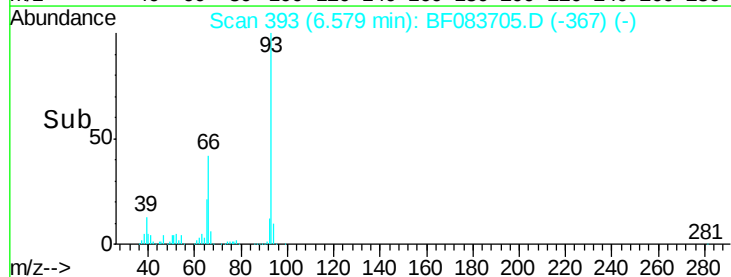
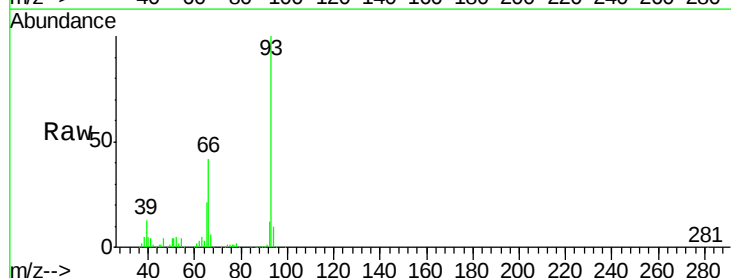
RT: 6.58 min Scan# 393

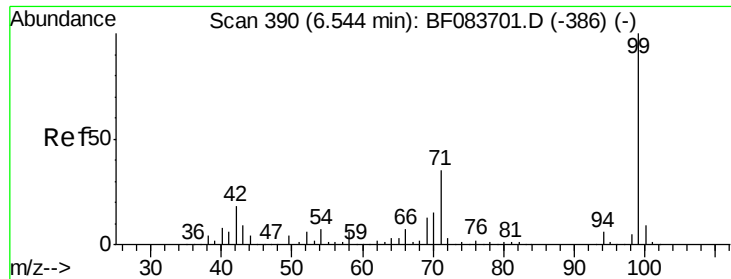
Delta R.T. 0.00 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

Tgt Ion:	93	Resp:	560287
Ion Ratio	Lower	Upper	
93	100		
66	42.3	41.3	61.9
65	20.9	20.8	31.2





#7

Phenol-d6

Concen: 77.70 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

Instrument :

BNA_F

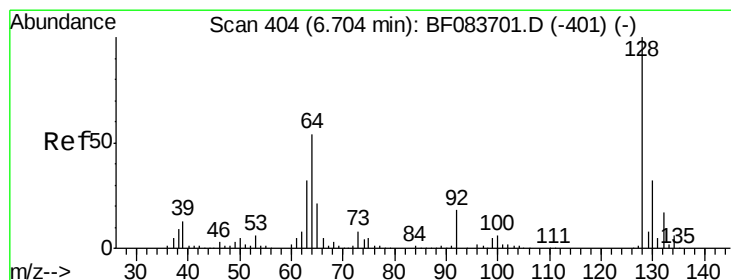
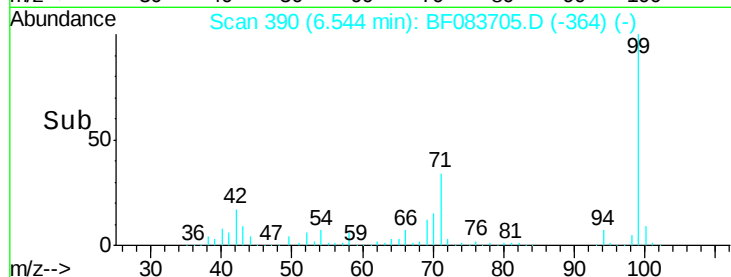
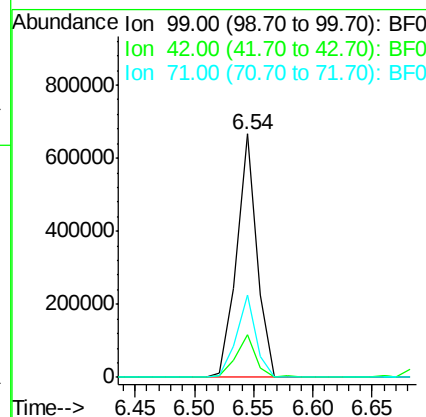
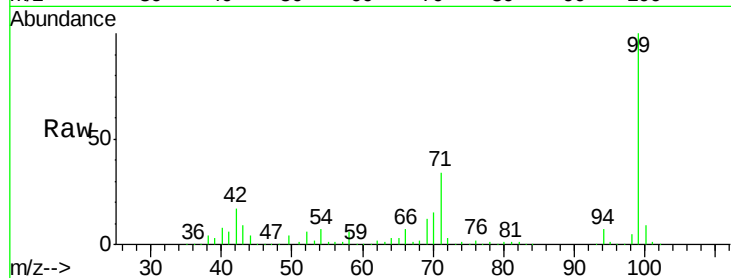
ClientSampleId :

ICVBF121115

Tot Ion:	99	Resp:	790075
Ion Ratio	Lower	Upper	
99	100		
42	17.4	17.3	25.9
71	33.7	26.6	40.0

Manual Integrations
APPROVED

MMdadoda
12/14/2015 6:22:29 PM



#8

2-Chlorophenol

Concen: 39.87 ng

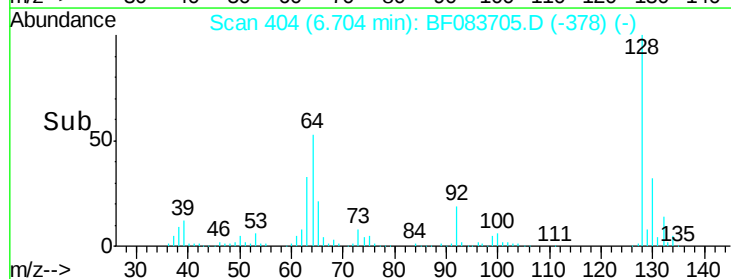
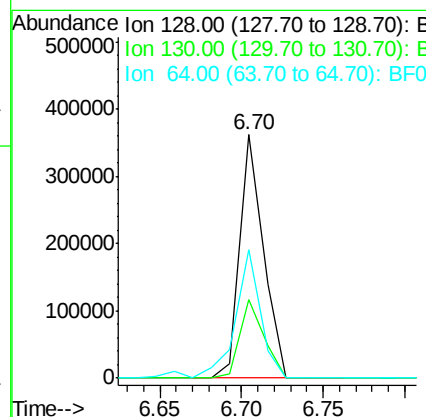
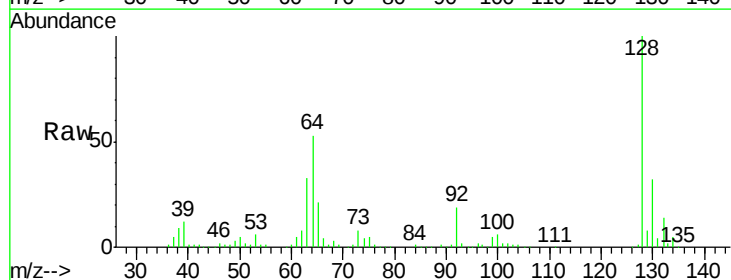
RT: 6.70 min Scan# 404

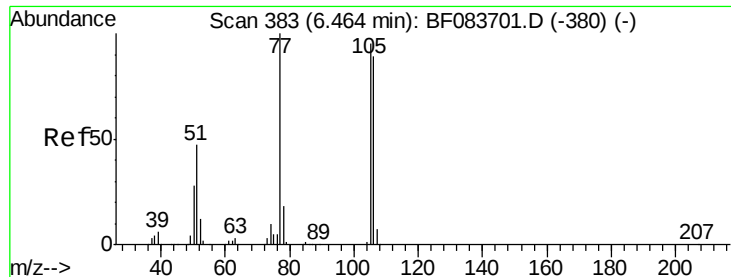
Delta R.T. 0.00 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

Tgt Ion:	128	Resp:	358694
Ion Ratio	Lower	Upper	
128	100		
130	32.4	12.6	52.6
64	52.9	38.6	78.6





#9

Benzaldehyde

Concen: 41.08 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.00 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

Instrument :

BNA_F

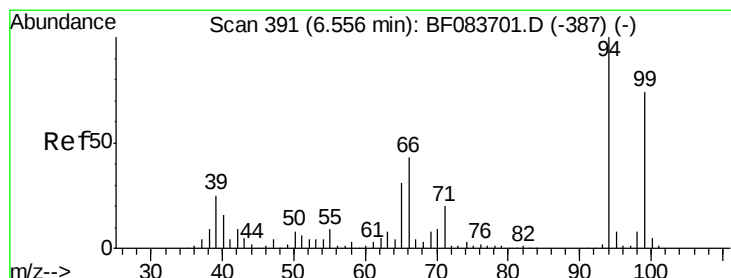
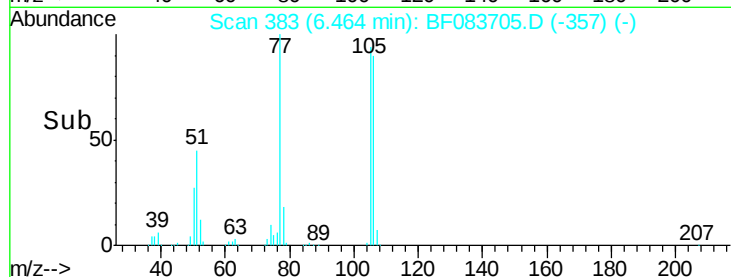
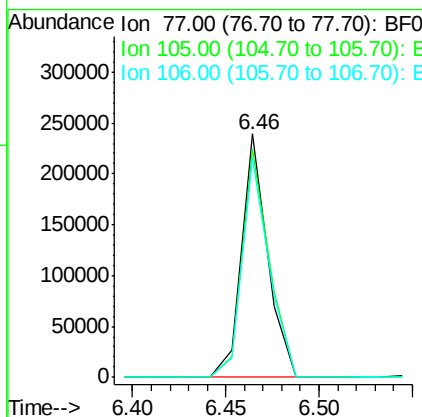
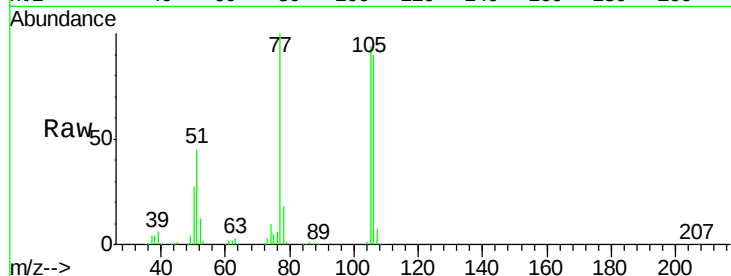
ClientSampleId :

ICVBF121115

Tot Ion:	77	Resp:	230059
Ion	Ratio	Lower	Upper
77	100		
105	94.0	71.8	111.8
106	89.9	66.8	106.8

Manual Integrations
APPROVED

MMdadoda
12/14/2015 6:22:29 PM



#10

Phenol

Concen: 36.85 ng

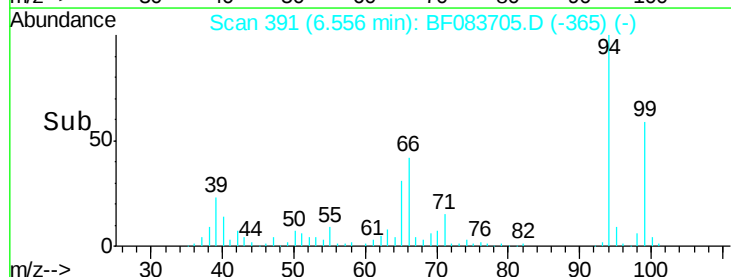
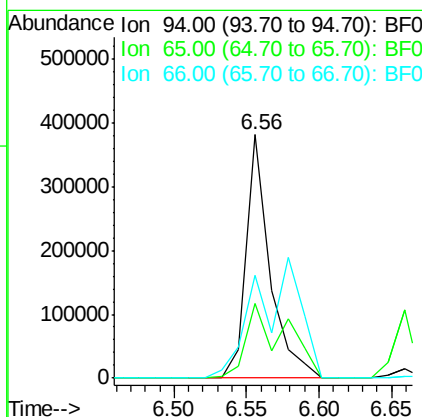
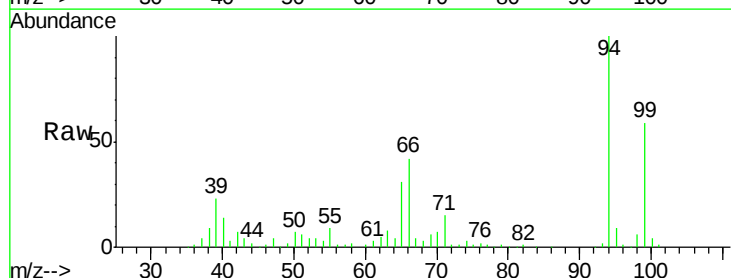
RT: 6.56 min Scan# 391

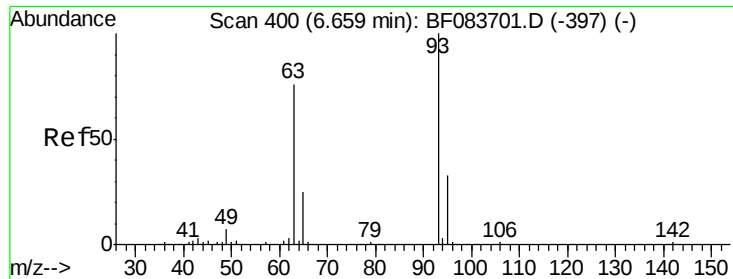
Delta R.T. 0.00 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

Tgt Ion:	94	Resp:	435307
Ion	Ratio	Lower	Upper
94	100		
65	30.5	20.9	60.9
66	42.4	41.6	81.6





#11

bis(2-Chloroethyl)ether

Concen: 42.99 ng

RT: 6.66 min Scan# 400

Delta R.T. 0.00 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

Instrument :

BNA_F

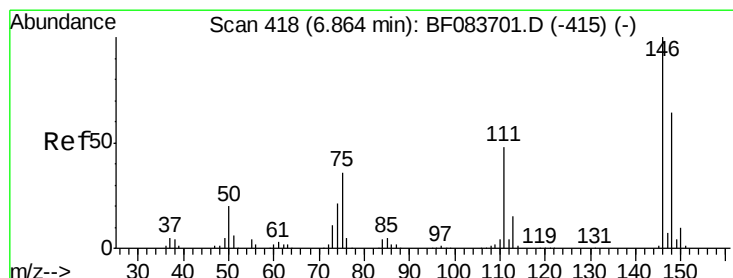
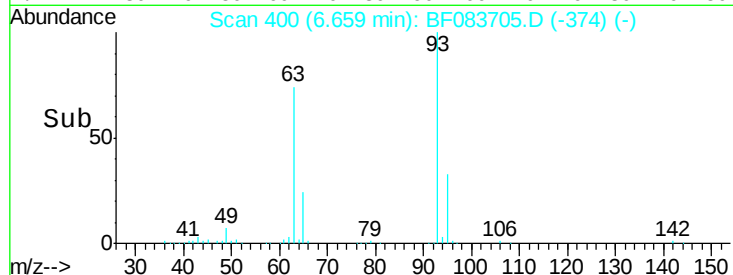
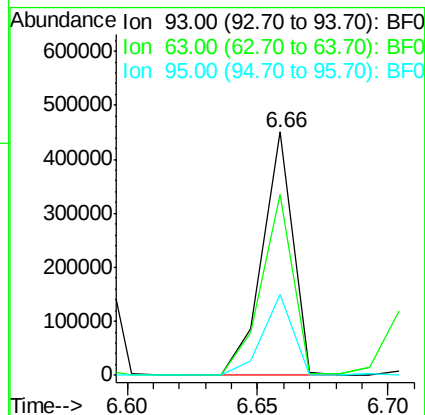
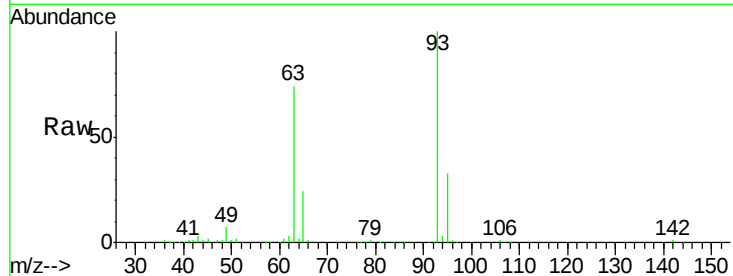
ClientSampleId :

ICVBF121115

Tot Ion:	93	Resp:	370739
Ion Ratio	Lower	Upper	
93	100		
63	74.0	64.7	104.7
95	33.1	12.7	52.7

Manual Integrations
APPROVED

MMdadoda
12/14/2015 6:22:29 PM



#12

1,3-Dichlorobenzene

Concen: 39.70 ng

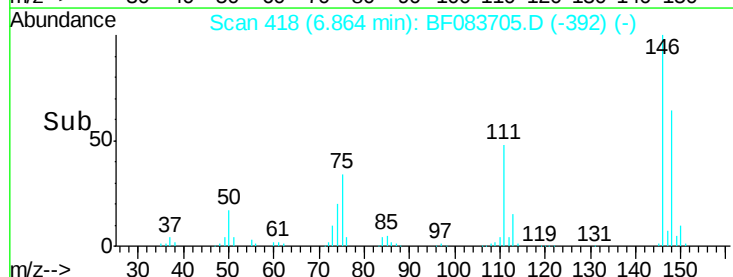
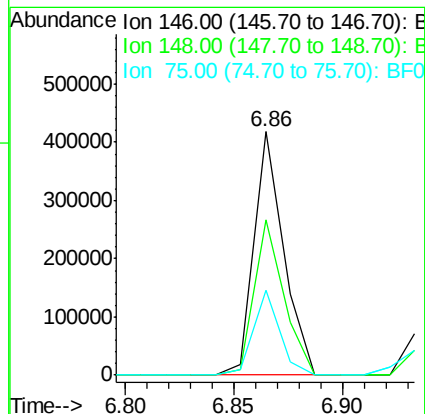
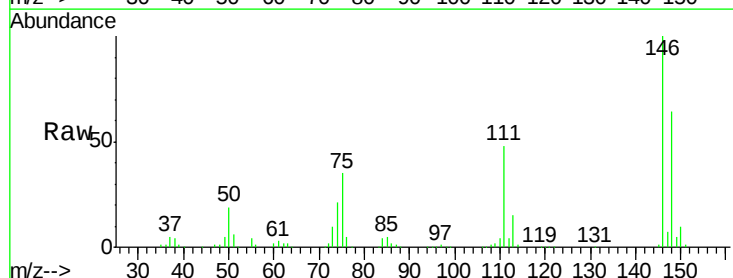
RT: 6.86 min Scan# 418

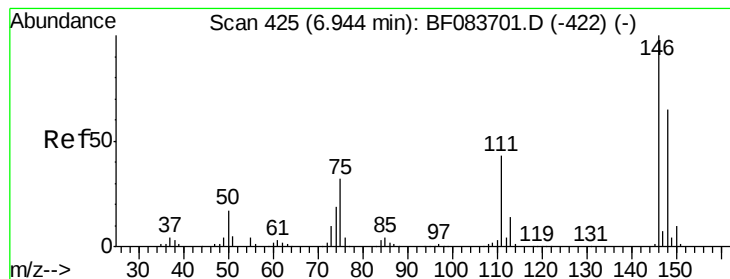
Delta R.T. 0.00 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

Tgt Ion:	146	Resp:	394220
Ion Ratio	Lower	Upper	
146	100		
148	63.6	51.3	76.9
75	34.9	24.1	36.1





#13

1,4-Dichlorobenzene

Concen: 42.15 ng

RT: 6.94 min Scan# 425

Delta R.T. 0.00 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

Instrument :

BNA_F

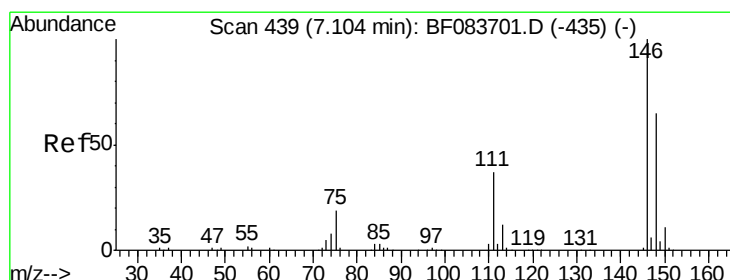
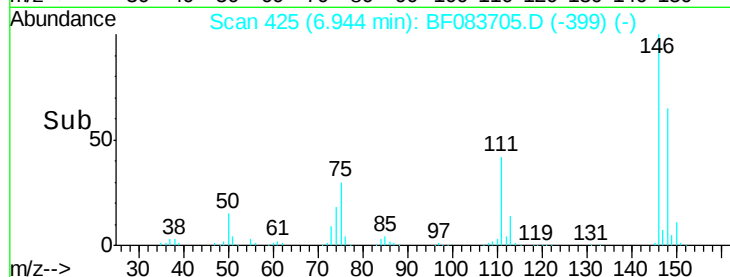
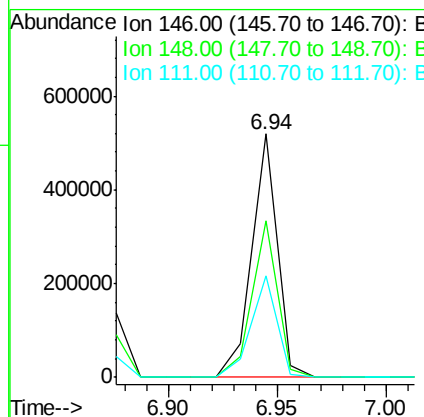
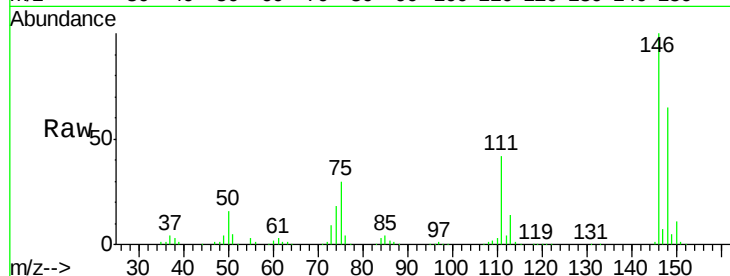
ClientSampleId :

ICVBF121115

Tot Ion:	146	Resp:	422777
Ion Ratio	Lower	Upper	
146	100		
148	64.5	50.6	76.0
111	41.9	36.1	54.1

Manual Integrations
APPROVED

MMdadoda
12/14/2015 6:22:29 PM



#14

1,2-Dichlorobenzene

Concen: 39.07 ng

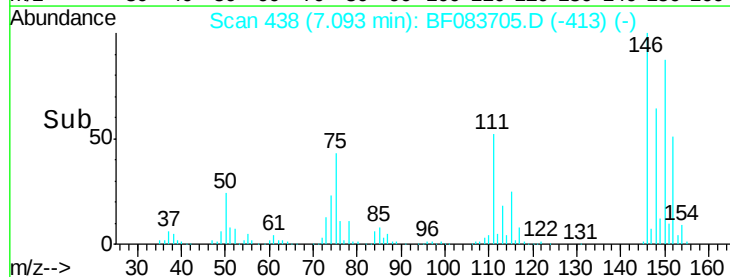
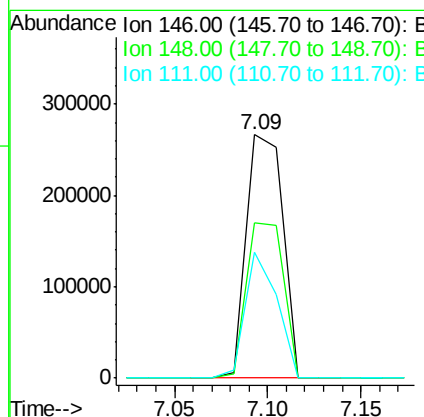
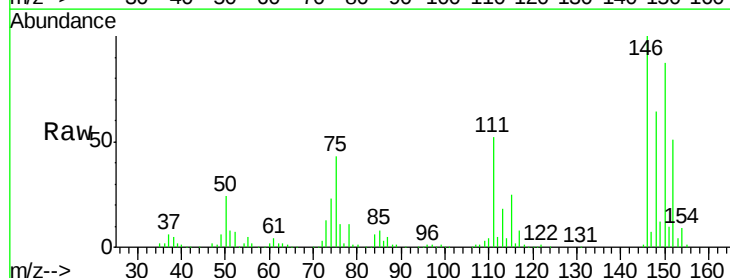
RT: 7.09 min Scan# 438

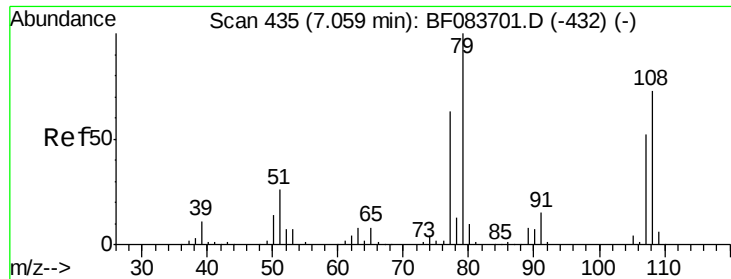
Delta R.T. -0.01 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

Tgt Ion:	146	Resp:	360381
Ion Ratio	Lower	Upper	
146	100		
148	63.6	51.4	77.0
111	52.0	36.7	55.1





#15

Benzyl Alcohol

Concen: 39.36 ng

RT: 7.06 min Scan# 435

Delta R.T. 0.00 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

Instrument :

BNA_F

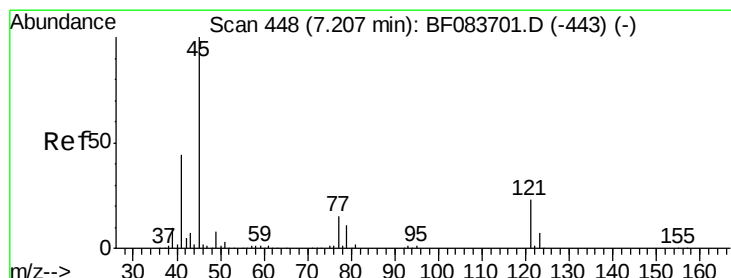
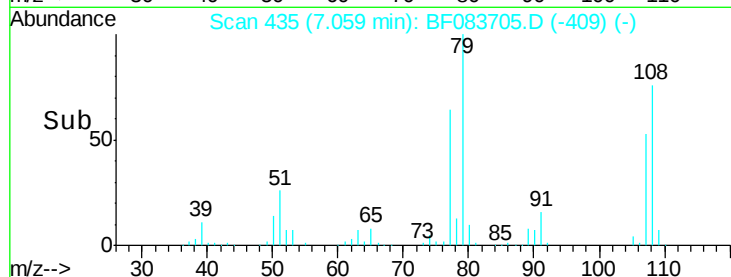
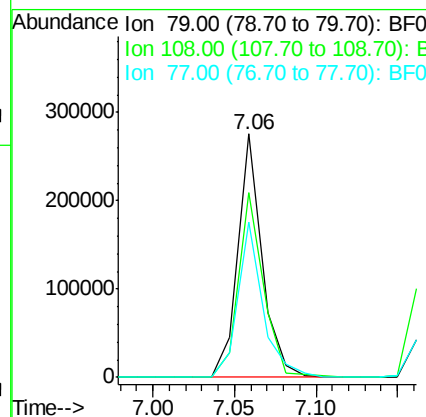
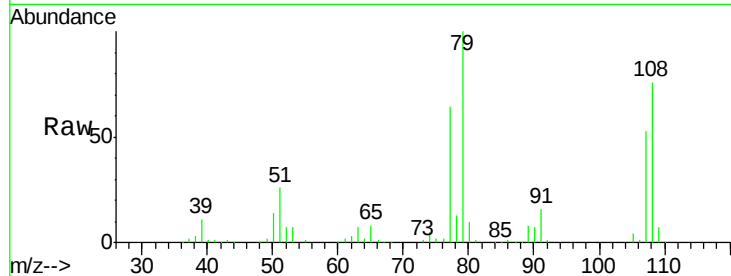
ClientSampleId :

ICVBF121115

Tot Ion:	79	Resp:	281115
Ion Ratio	Lower	Upper	
79	100		
108	76.1	59.6	89.4
77	63.6	49.8	74.6

Manual Integrations
APPROVED

MMdadoda
12/14/2015 6:22:29 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.97 ng

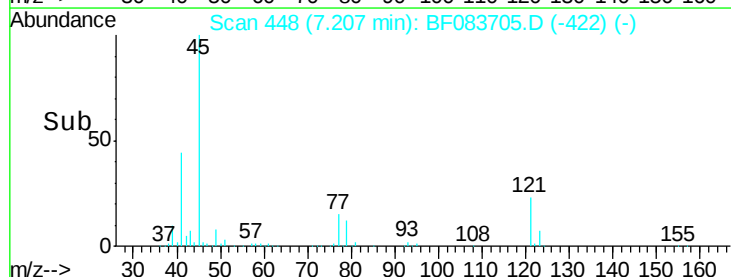
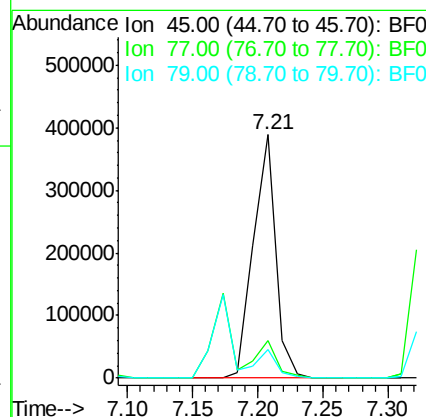
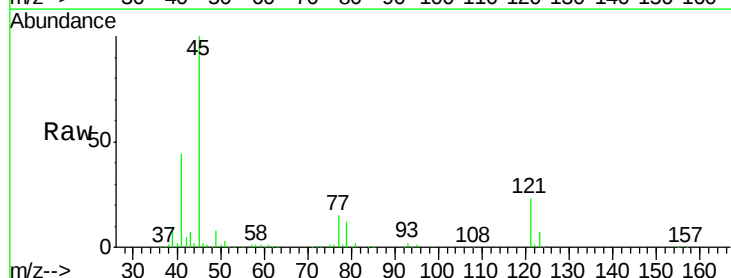
RT: 7.21 min Scan# 448

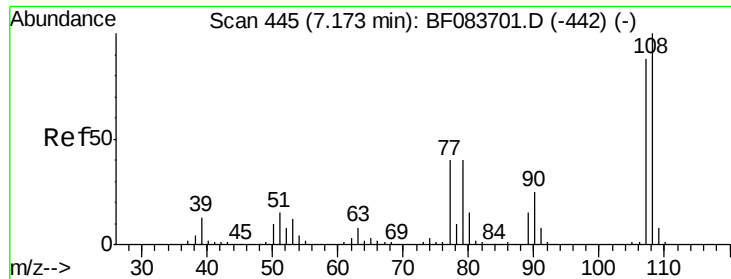
Delta R.T. 0.00 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

Tgt Ion:	45	Resp:	465267
Ion Ratio	Lower	Upper	
45	100		
77	15.2	12.8	52.8
79	11.5	10.7	50.7





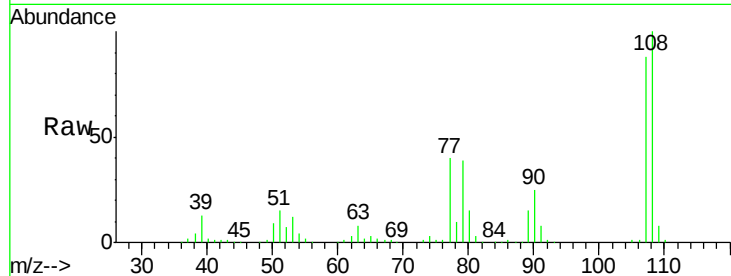
#17
2-Methylphenol
Concen: 40.45 ng
RT: 7.17 min Scan# 445
Delta R.T. 0.00 min
Lab File: BF083705.D
Acq: 11 Dec 2015 18:33

Instrument :
BNA_F
ClientSampleId :
ICVBF121115

Tot Ion	Ratio	Resp Lower	Resp Upper
107	100		
108	113.2	91.6	137.4
77	44.9	53.7	80.5#
79	44.6	50.2	75.4#

Manual Integrations
APPROVED

MMdadoda
12/14/2015 6:22:29 PM



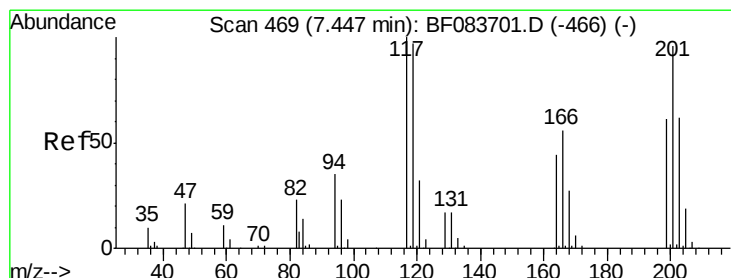
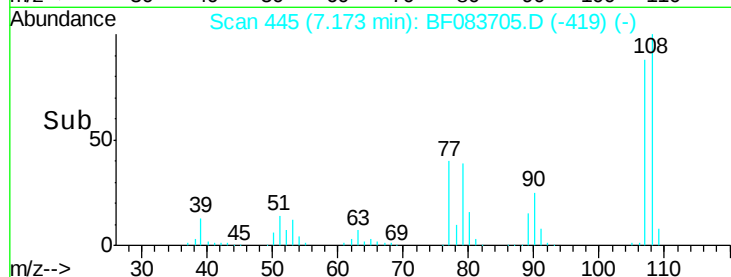
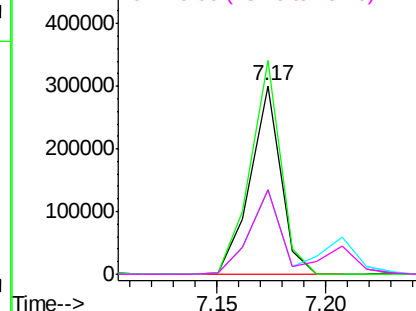
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

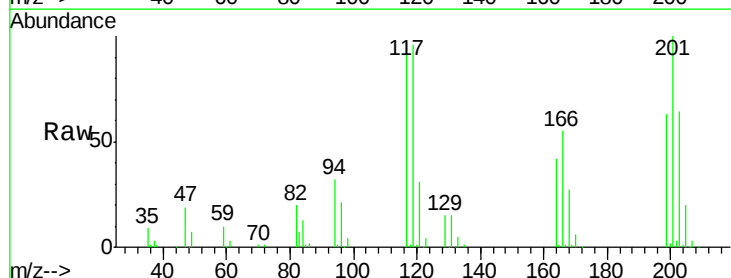
Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18
Hexachloroethane
Concen: 42.30 ng
RT: 7.45 min Scan# 469
Delta R.T. 0.00 min
Lab File: BF083705.D
Acq: 11 Dec 2015 18:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
119	99.3	77.2	115.8
201	102.9	86.8	130.2

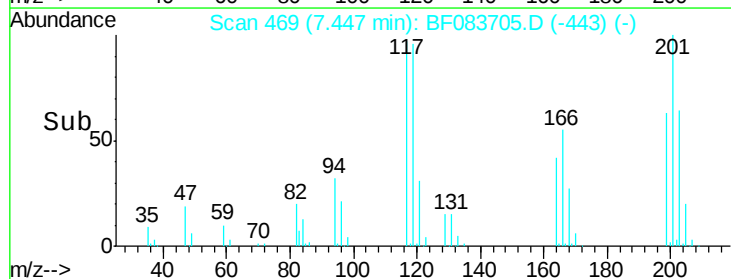
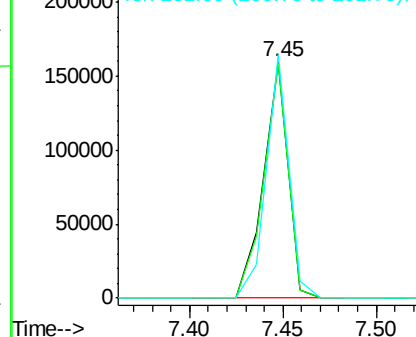


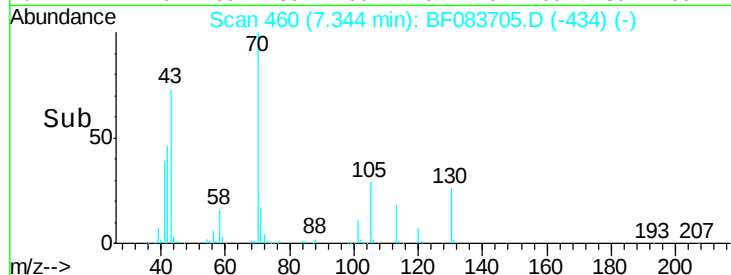
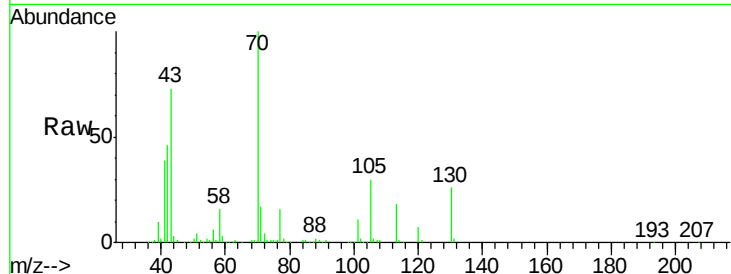
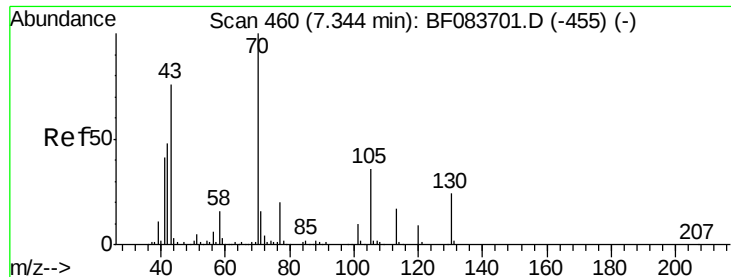
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 41.77 ng

RT: 7.34 min Scan# 460

Delta R.T. 0.00 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

Instrument :

BNA_F

ClientSampleId :

ICVBF121115

Tot Ion: 70 Resp: 247503

Ion Ratio Lower Upper

70 100

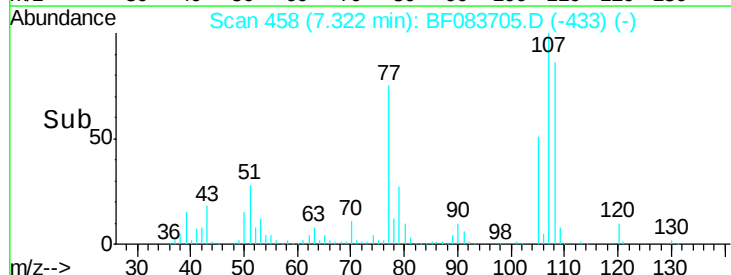
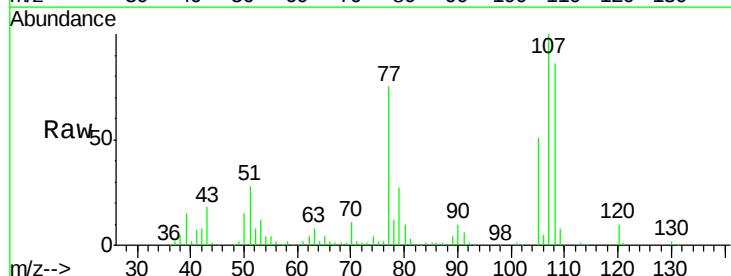
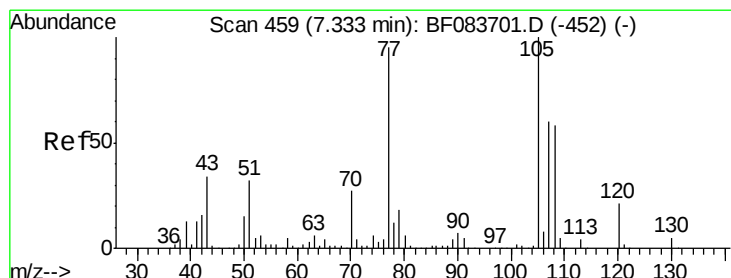
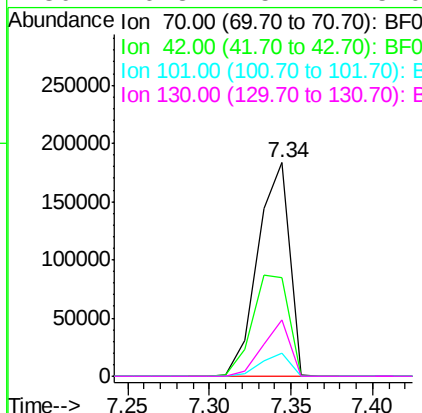
42 46.4 49.2 73.8#

101 10.8 7.1 10.7#

130 26.3 15.4 23.0#

Manual Integrations
APPROVED

MMdadoda
12/14/2015 6:22:29 PM



#20

3+4-Methylphenols

Concen: 41.48 ng

RT: 7.32 min Scan# 458

Delta R.T. -0.01 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

Tgt Ion: 107 Resp: 370818

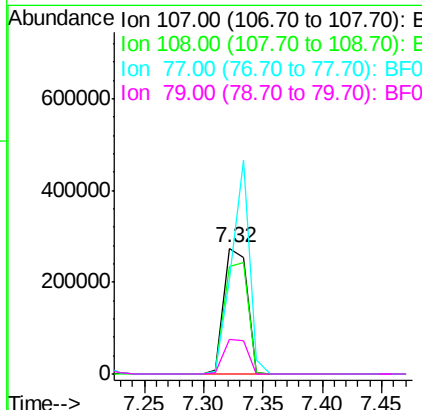
Ion Ratio Lower Upper

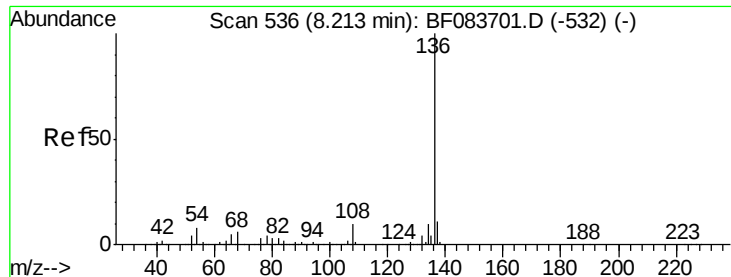
107 100

108 85.8 65.2 105.2

77 75.1 15.2 55.2#

79 27.3 6.0 46.0





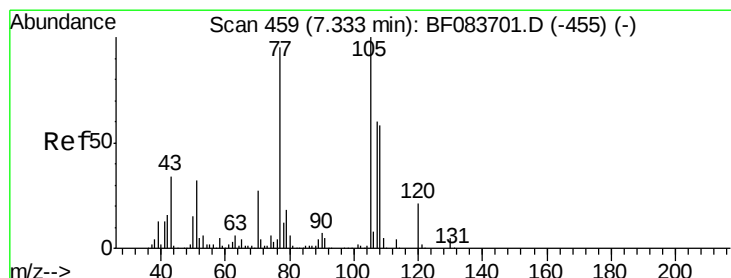
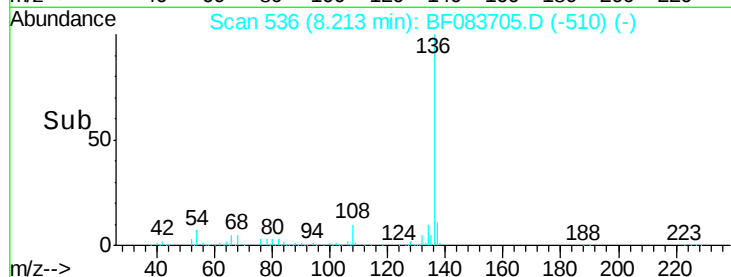
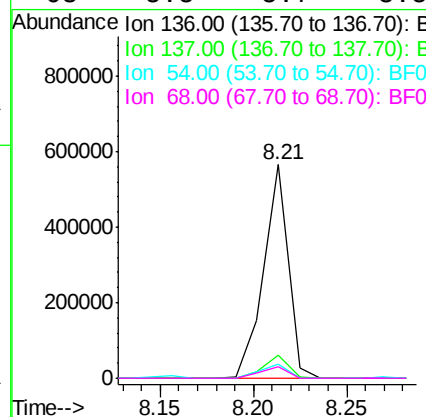
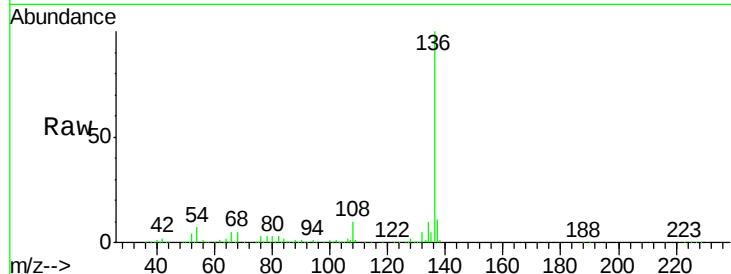
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.21 min Scan# 536
Delta R.T. 0.00 min
Lab File: BF083705.D
Acq: 11 Dec 2015 18:33

Instrument :
BNA_F
ClientSampleId :
ICVBF121115

Tot Ion	Ratio	Resp	Lower	Upper
136	100	513043		
137	10.9	8.7	13.1	
54	6.8	7.8	11.6	
68	5.5	5.7	8.5	

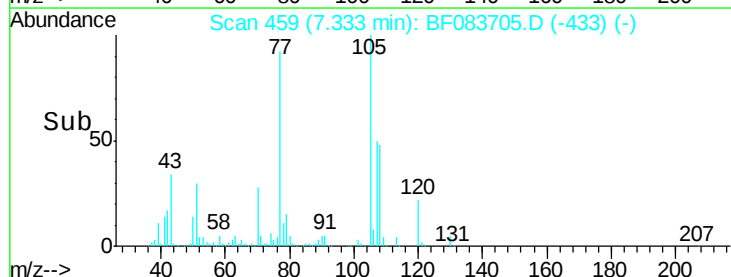
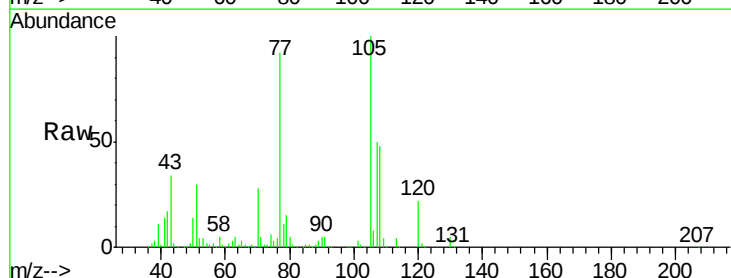
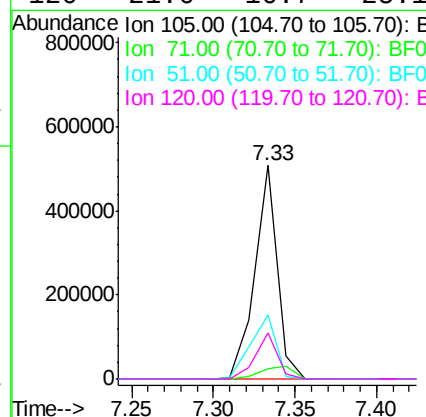
Manual Integrations
APPROVED

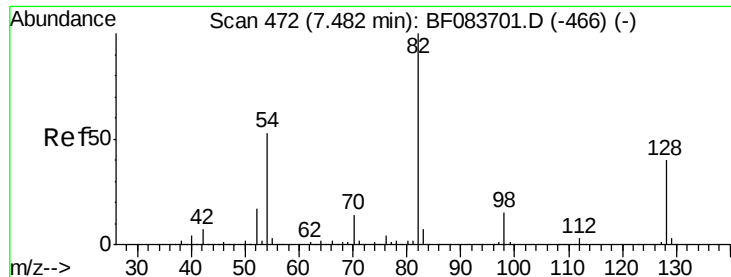
MMdadoda
12/14/2015 6:22:29 PM



#22
Acetophenone
Concen: 39.58 ng
RT: 7.33 min Scan# 459
Delta R.T. 0.00 min
Lab File: BF083705.D
Acq: 11 Dec 2015 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	485527		
71	4.9	1.3	1.9	
51	29.7	23.8	35.8	
120	21.6	16.7	25.1	





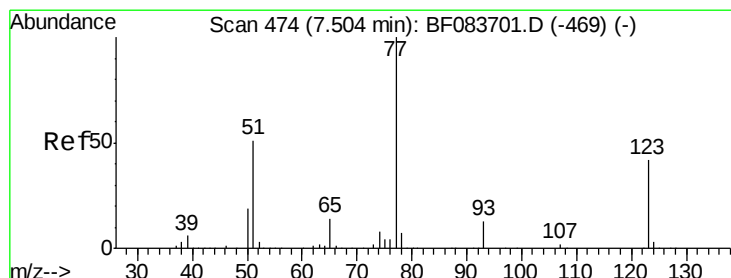
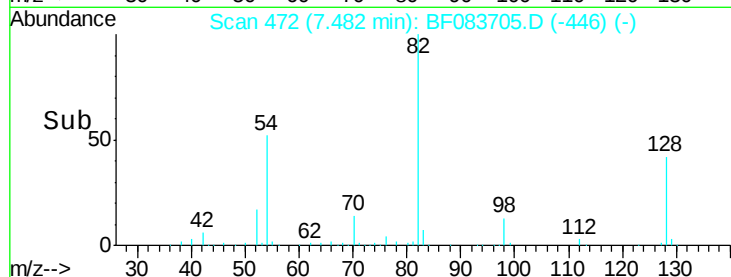
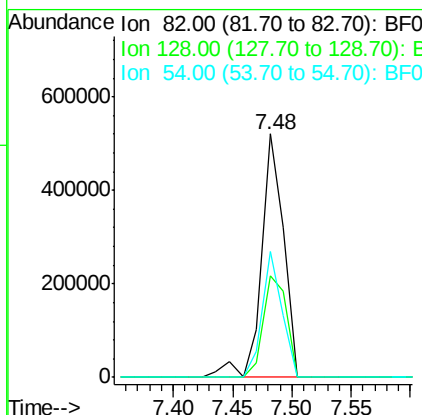
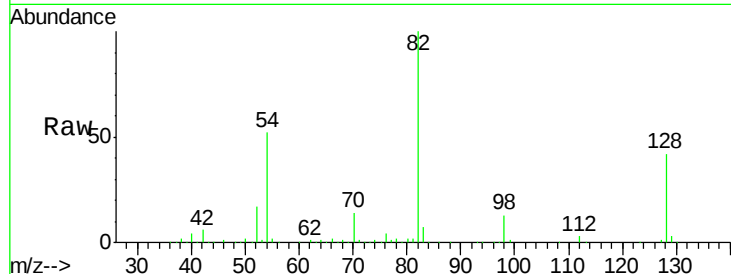
#23
Nitrobenzene-d5
Concen: 90.00 ng
RT: 7.48 min Scan# 472
Delta R.T. 0.00 min
Lab File: BF083705.D
Acq: 11 Dec 2015 18:33

Instrument :
BNA_F
ClientSampleId :
ICVBF121115

Tot Ion	Ratio	Resp	Lower	Upper
82	100	680845		
128	41.9	30.7	46.1	
54	51.9	42.5	63.7	

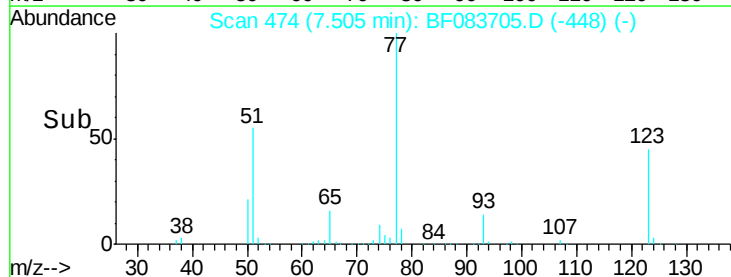
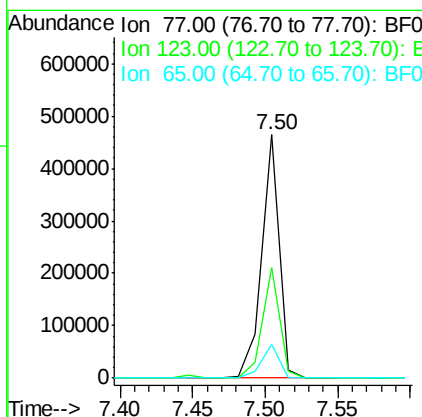
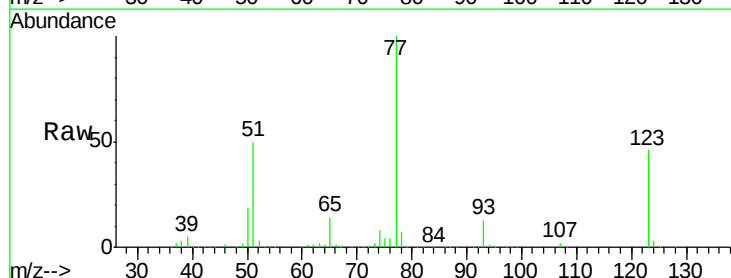
Manual Integrations
APPROVED

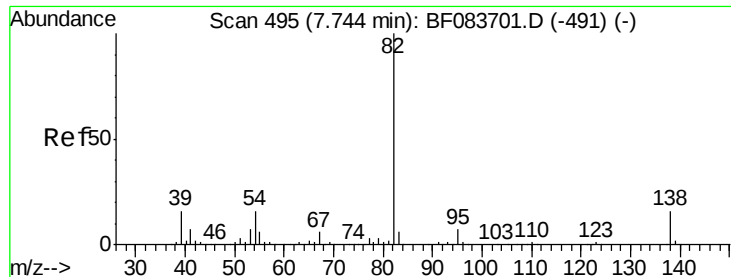
MMdadoda
12/14/2015 6:22:29 PM



#24
Nitrobenzene
Concen: 46.24 ng
RT: 7.50 min Scan# 474
Delta R.T. 0.00 min
Lab File: BF083705.D
Acq: 11 Dec 2015 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	391385		
123	45.5	29.8	44.6#	
65	13.7	11.1	16.7	





#25

Isophorone

Concen: 39.80 ng

RT: 7.74 min Scan# 495

Delta R.T. 0.00 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

Instrument :

BNA_F

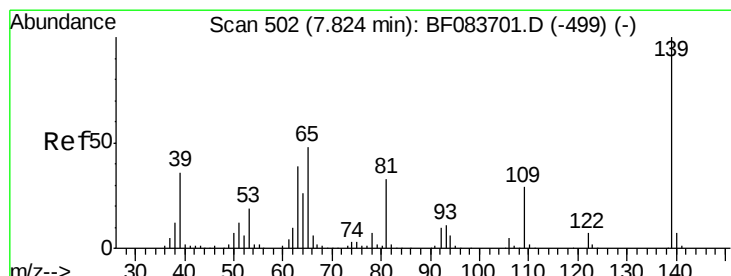
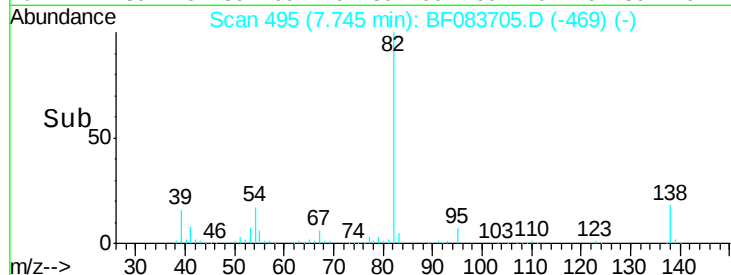
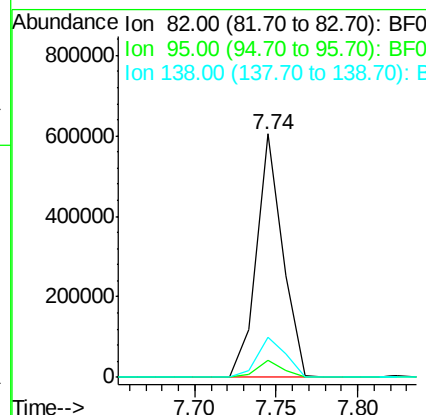
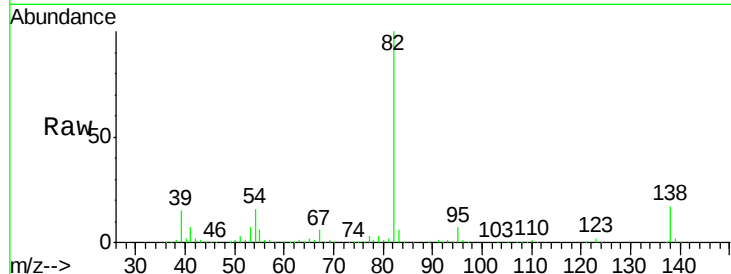
ClientSampleId :

ICVBF121115

Tot Ion:	82	Resp:	672991
Ion Ratio	Lower	Upper	
82	100		
95	7.1	5.0	7.4
138	16.6	12.1	18.1

Manual Integrations
APPROVED

MMdadoda
12/14/2015 6:22:29 PM



#26

2-Nitrophenol

Concen: 51.00 ng

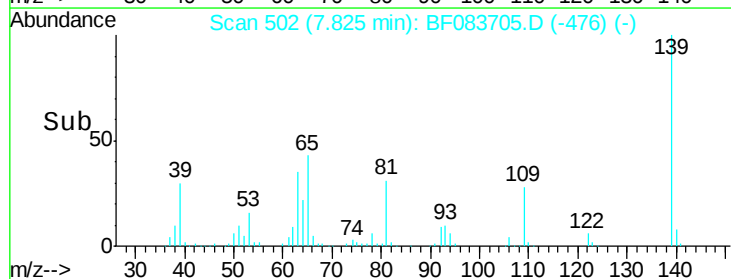
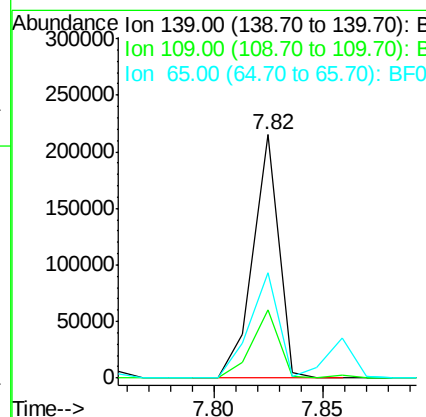
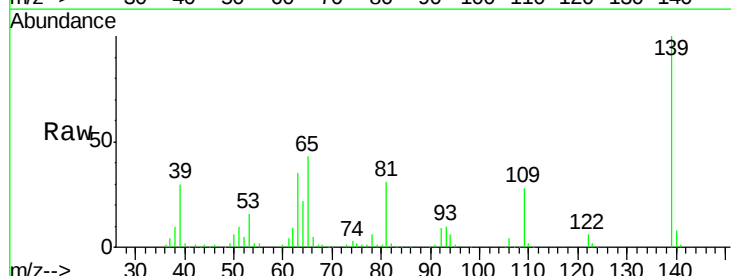
RT: 7.82 min Scan# 502

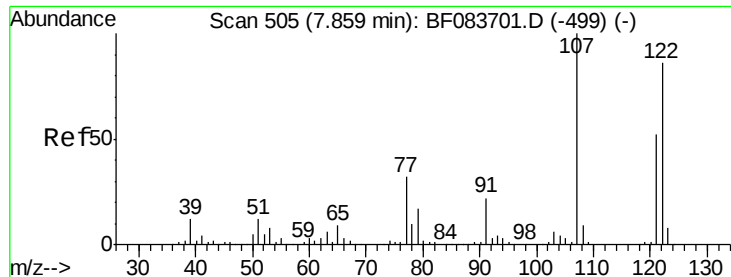
Delta R.T. 0.00 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

Tgt Ion:	139	Resp:	177761
Ion Ratio	Lower	Upper	
139	100		
109	28.1	22.7	34.1
65	43.4	51.8	77.8#





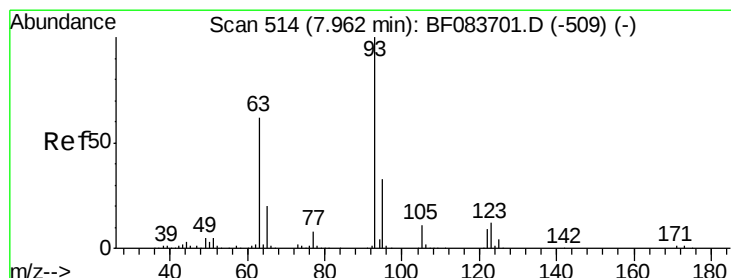
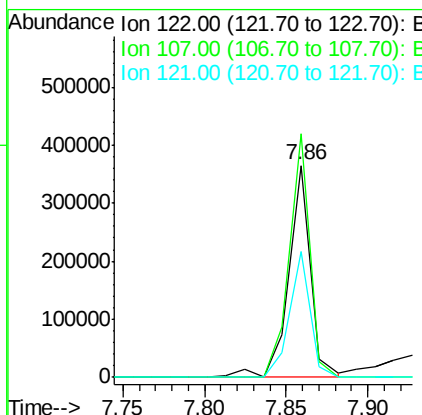
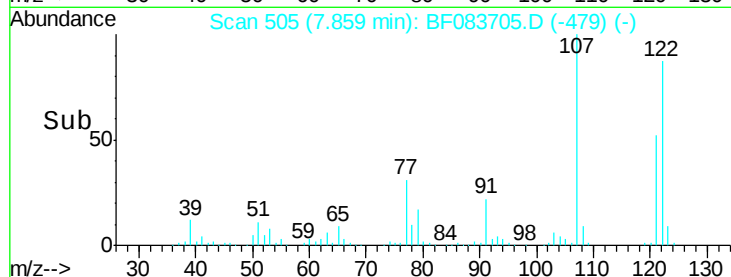
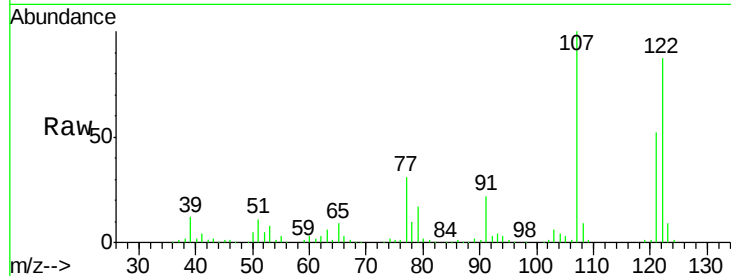
#27
 2,4-Dimethylphenol
 Concen: 40.14 ng
 RT: 7.86 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: BF083705.D
 Acq: 11 Dec 2015 18:33

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF121115

Tot Ion	Ratio	Resp	Lower	Upper
122	100	340345		
107	114.7	92.4	138.6	
121	59.5	45.8	68.6	

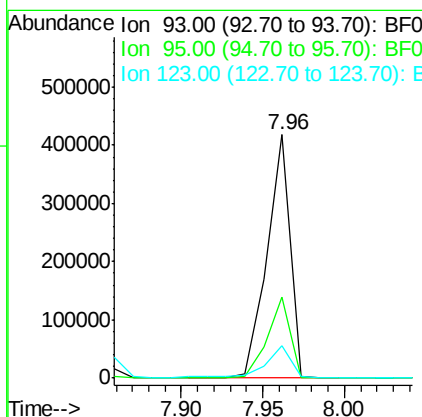
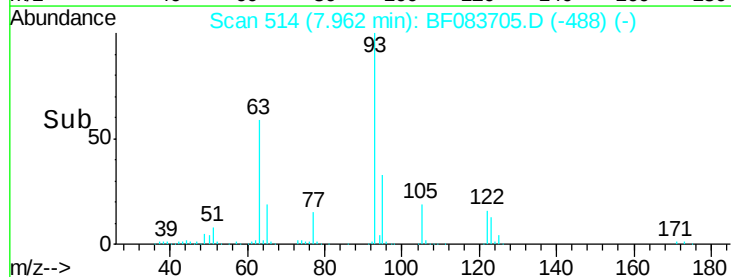
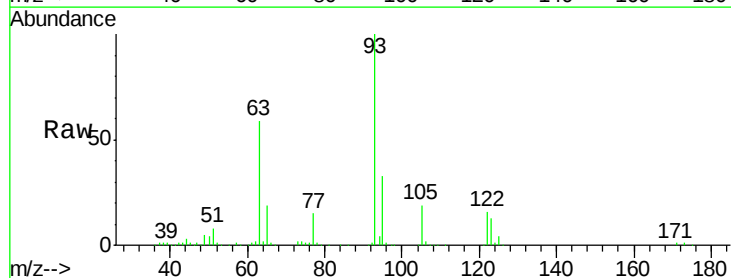
Manual Integrations
 APPROVED

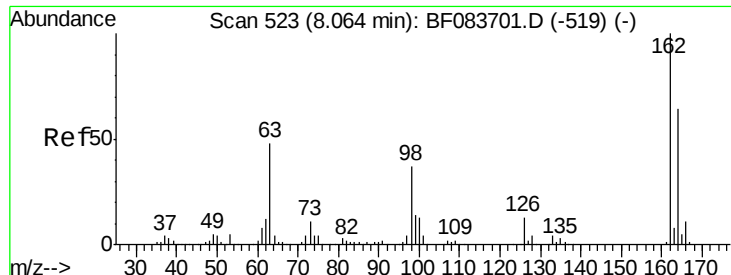
MMdadoda
 12/14/2015 6:22:29 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 42.41 ng
 RT: 7.96 min Scan# 514
 Delta R.T. 0.00 min
 Lab File: BF083705.D
 Acq: 11 Dec 2015 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	410050		
95	33.1	25.6	38.4	
123	13.1	7.3	10.9	





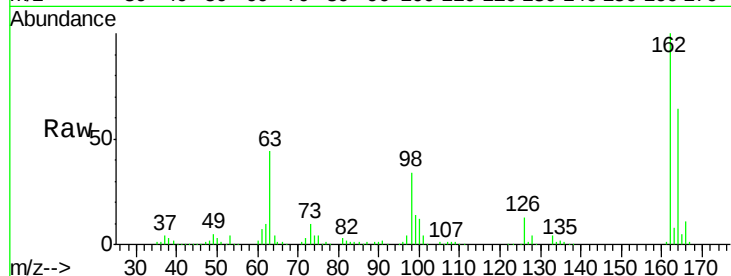
#29
 2,4-Dichlorophenol
 Concen: 43.49 ng
 RT: 8.06 min Scan# 523
 Delta R.T. 0.00 min
 Lab File: BF083705.D
 Acq: 11 Dec 2015 18:33

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF121115

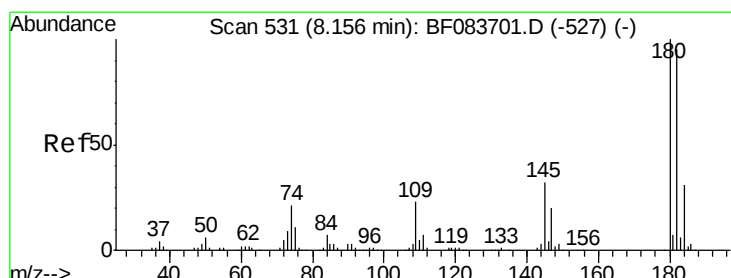
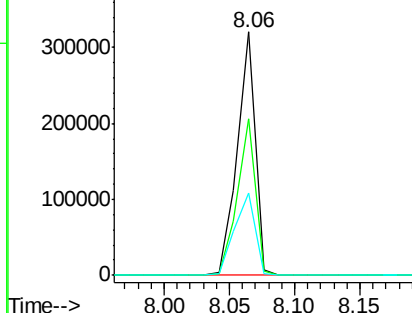
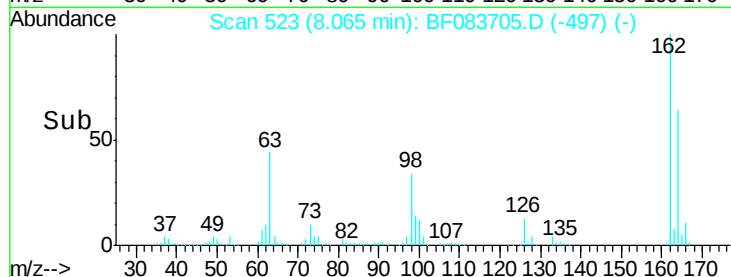
Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	64.4	43.4	83.4
98	34.0	17.5	57.5

Manual Integrations
 APPROVED

MMdadoda
 12/14/2015 6:22:29 PM

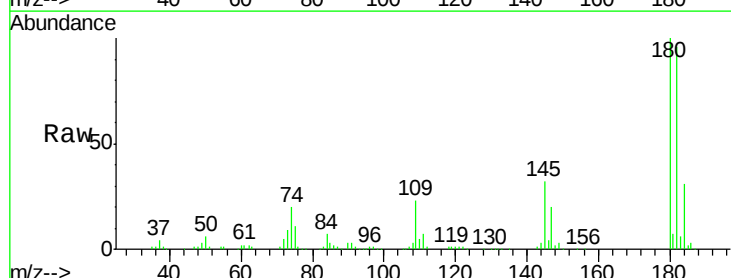


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

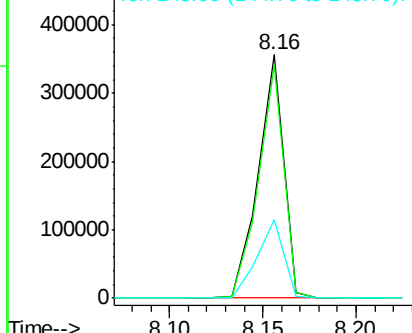
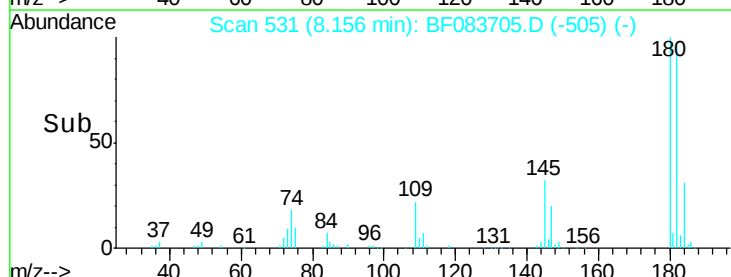


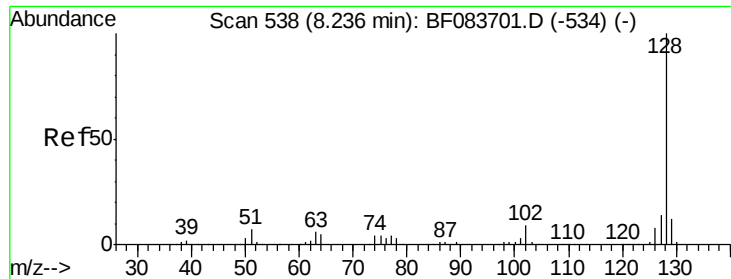
#30
 1,2,4-Trichlorobenzene
 Concen: 42.96 ng
 RT: 8.16 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: BF083705.D
 Acq: 11 Dec 2015 18:33

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	95.9	74.9	112.3
145	32.1	24.7	37.1



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





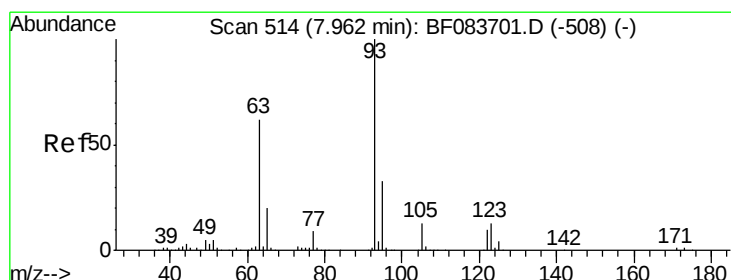
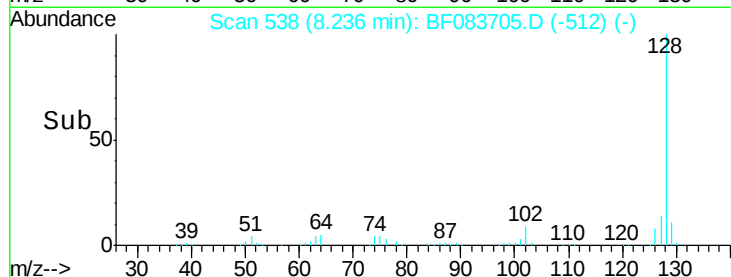
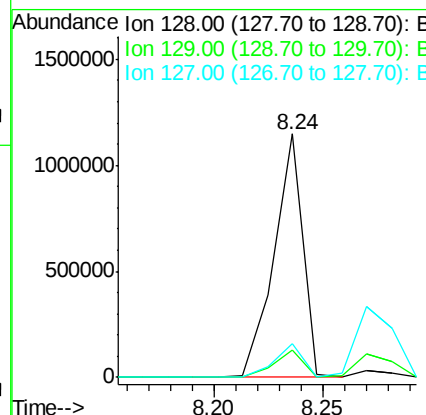
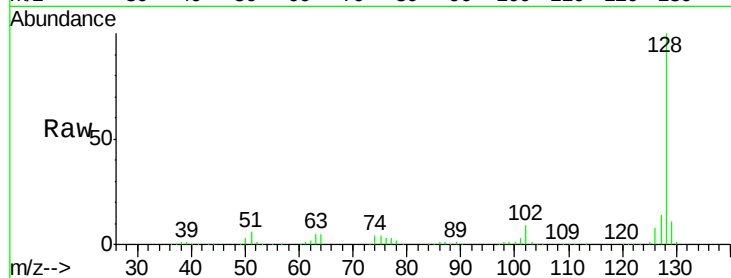
#31
Naphthalene
Concen: 42.35 ng
RT: 8.24 min Scan# 538
Delta R.T. 0.00 min
Lab File: BF083705.D
Acq: 11 Dec 2015 18:33

Instrument :
BNA_F
ClientSampleId :
ICVBF121115

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.6	13.0
127	13.8	10.6	16.0

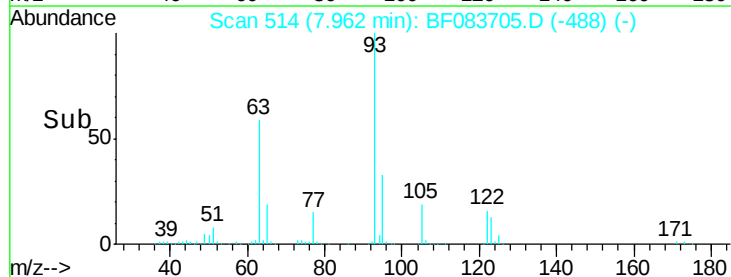
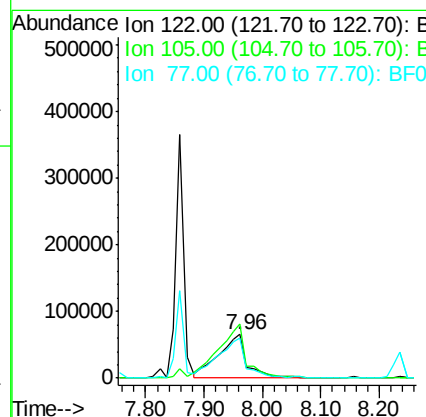
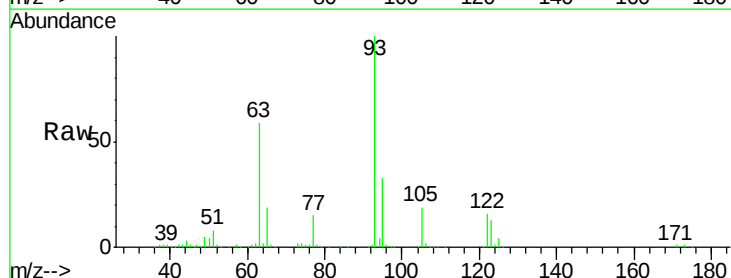
Manual Integrations
APPROVED

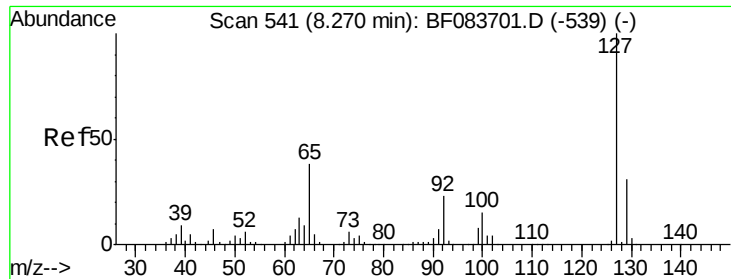
MMdadoda
12/14/2015 6:22:29 PM



#32
Benzoic acid
Concen: 46.91 ng m
RT: 7.96 min Scan# 514
Delta R.T. 0.00 min
Lab File: BF083705.D
Acq: 11 Dec 2015 18:33

Tgt Ion	Ratio	Lower	Upper
122	100		
105	124.7	105.6	145.6
77	93.3	86.8	126.8





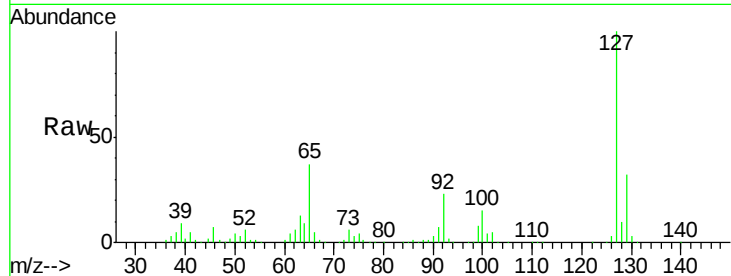
#33
4-Chloroaniline
Concen: 38.22 ng
RT: 8.27 min Scan# 541
Delta R.T. 0.00 min
Lab File: BF083705.D
Acq: 11 Dec 2015 18:33

Instrument :
BNA_F
ClientSampleId :
ICVBF121115

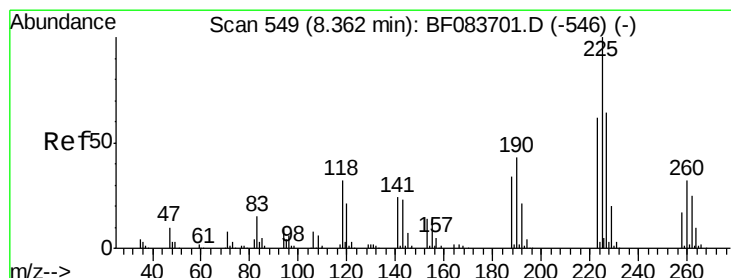
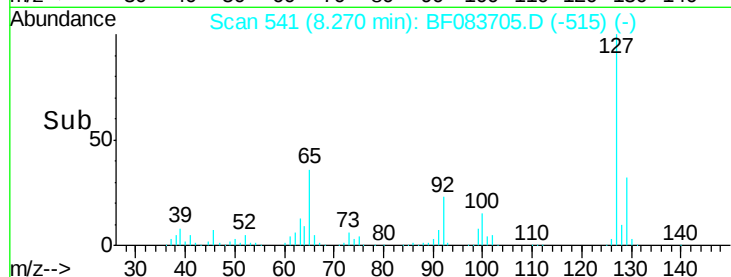
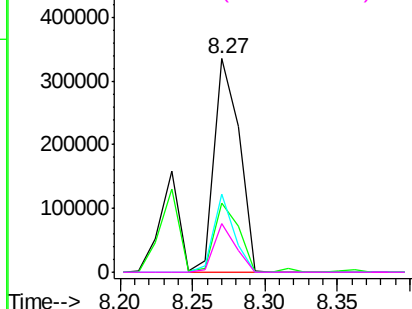
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.4	26.1	39.1		
65	36.5	33.5	50.3		
92	23.0	18.6	28.0		

Manual Integrations
APPROVED

MMdadoda
12/14/2015 6:22:29 PM

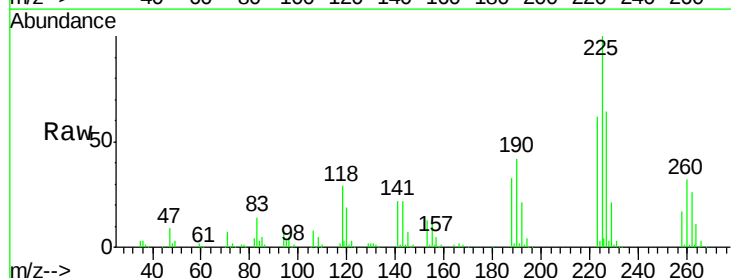


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

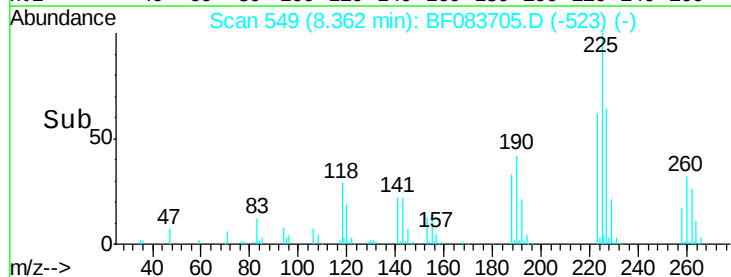
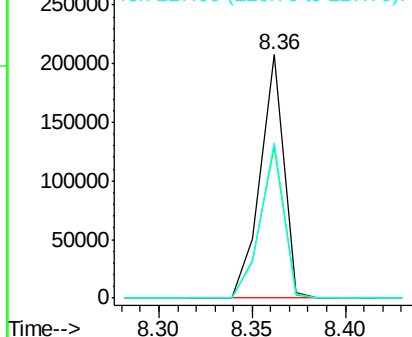


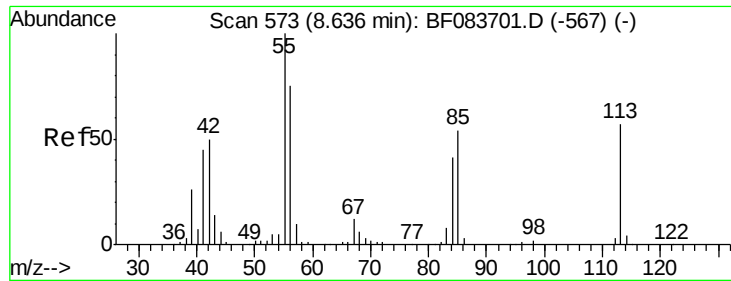
#34
Hexachlorobutadiene
Concen: 41.79 ng
RT: 8.36 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF083705.D
Acq: 11 Dec 2015 18:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.0	52.3	78.5		
227	63.8	50.4	75.6		



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





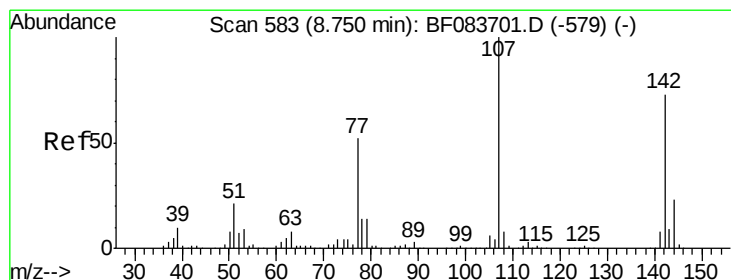
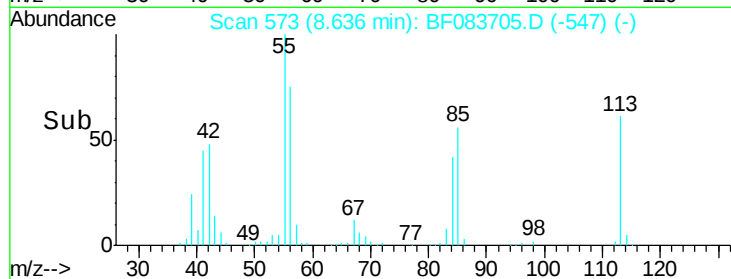
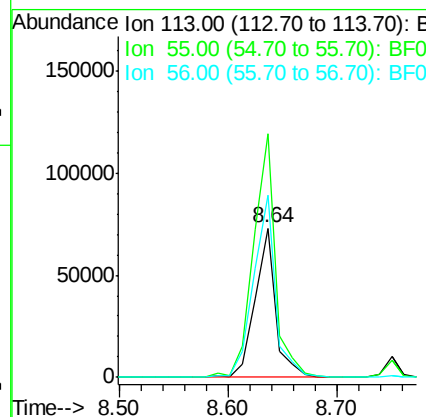
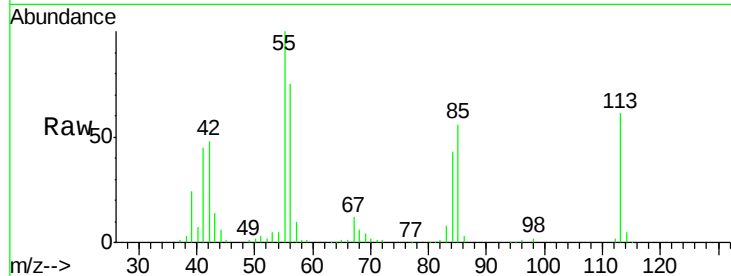
#35
 Caprolactam
 Concen: 42.93 ng
 RT: 8.64 min Scan# 573
 Delta R.T. 0.00 min
 Lab File: BF083705.D
 Acq: 11 Dec 2015 18:33

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF121115

Tot Ion	Ratio	Lower	Upper
113	100		
55	163.2	189.7	229.7#
56	122.1	130.7	170.7#

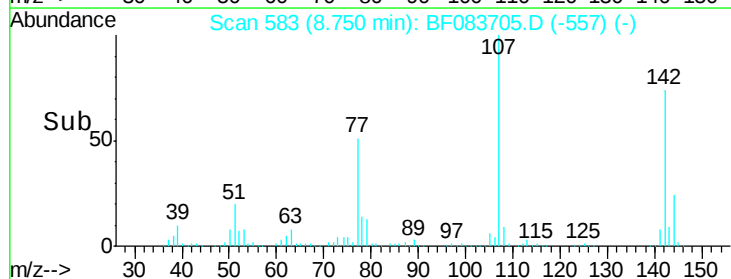
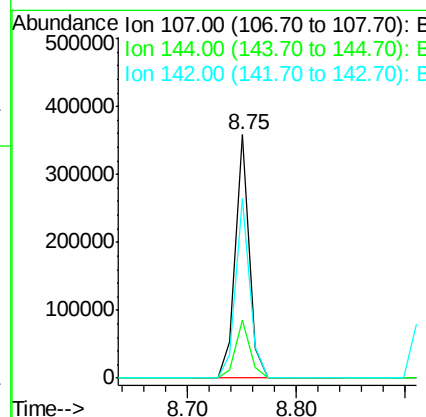
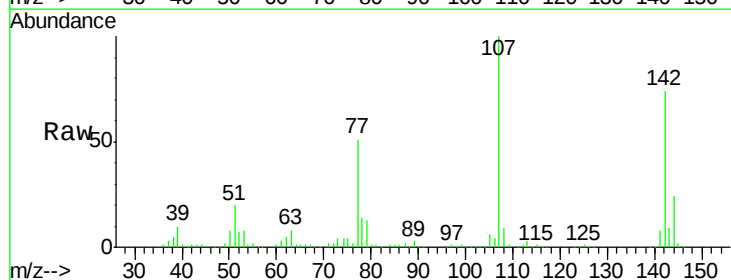
Manual Integrations
 APPROVED

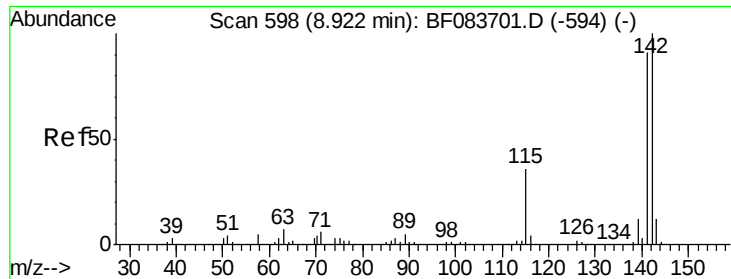
MMdadoda
 12/14/2015 6:22:29 PM



#36
 4-Chloro-3-methylphenol
 Concen: 41.17 ng
 RT: 8.75 min Scan# 583
 Delta R.T. 0.00 min
 Lab File: BF083705.D
 Acq: 11 Dec 2015 18:33

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.0	17.5	26.3
142	73.9	53.6	80.4





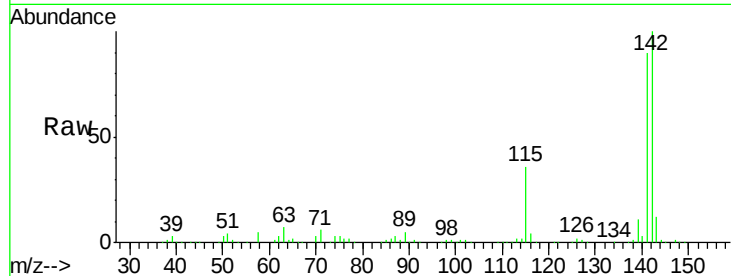
#37
2-Methylnaphthalene
Concen: 39.17 ng
RT: 8.92 min Scan# 598
Delta R.T. 0.00 min
Lab File: BF083705.D
Acq: 11 Dec 2015 18:33

Instrument :
BNA_F
ClientSampleId :
ICVBF121115

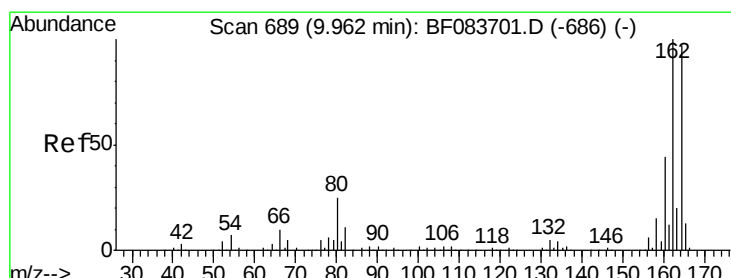
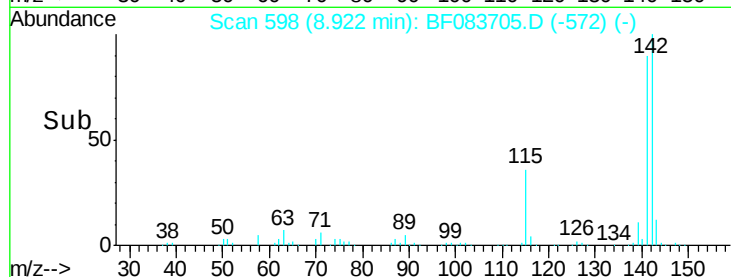
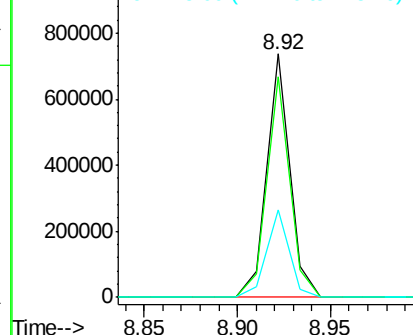
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.4	70.3	105.5
115	36.0	29.2	43.8

Manual Integrations
APPROVED

MMdadoda
12/14/2015 6:22:29 PM

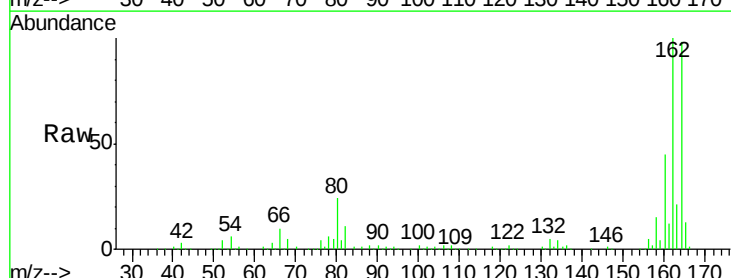


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

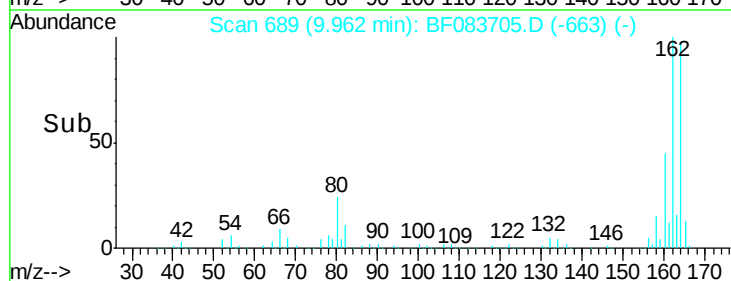
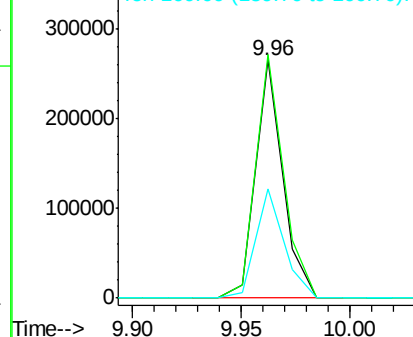


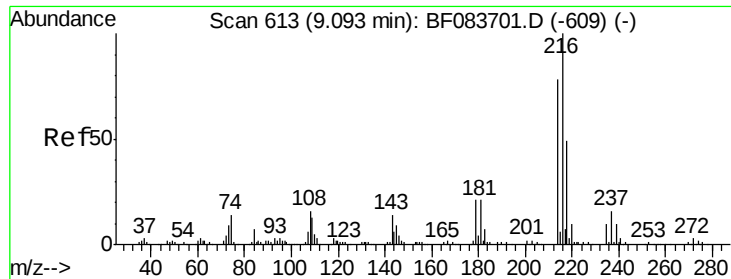
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.96 min Scan# 689
Delta R.T. 0.00 min
Lab File: BF083705.D
Acq: 11 Dec 2015 18:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	78.8	118.2
160	46.0	33.4	50.2



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





#39

1,2,4,5-Tetrachlorobenzene

Concen: 43.73 ng

RT: 9.09 min Scan# 613

Delta R.T. 0.00 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

Instrument :

BNA_F

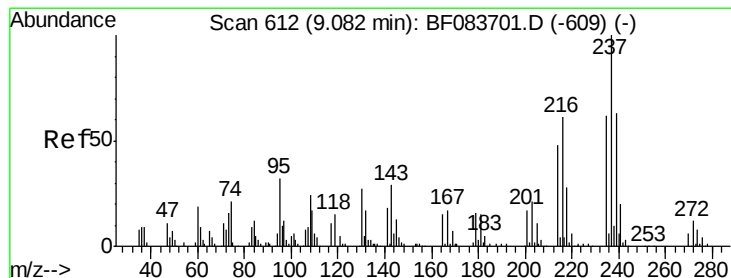
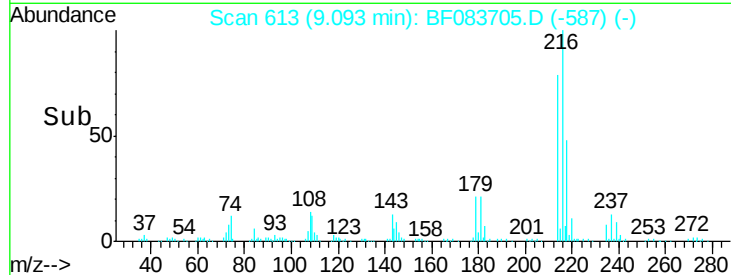
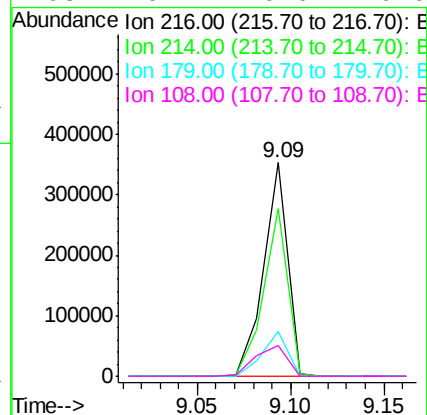
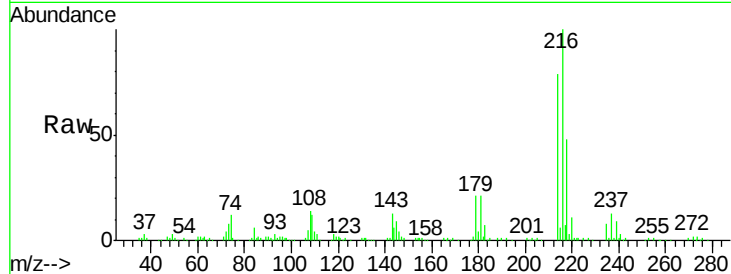
ClientSampleId :

ICVBF121115

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100				
214	79.1		0.0	0.0	#
179	21.8		0.0	0.0	#
108	19.1		0.0	0.0	#

Manual Integrations
APPROVED

MMdadoda
12/14/2015 6:22:29 PM



#40

Hexachlorocyclopentadiene

Concen: 44.68 ng

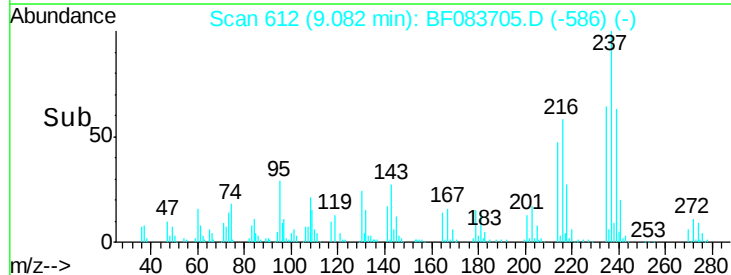
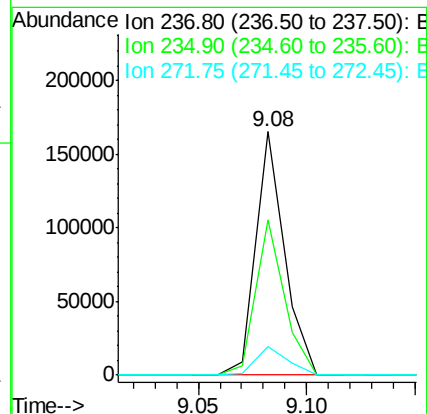
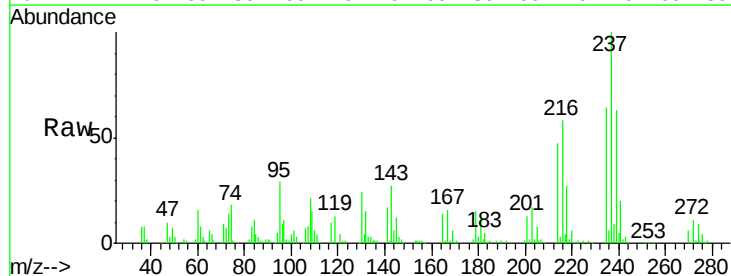
RT: 9.08 min Scan# 612

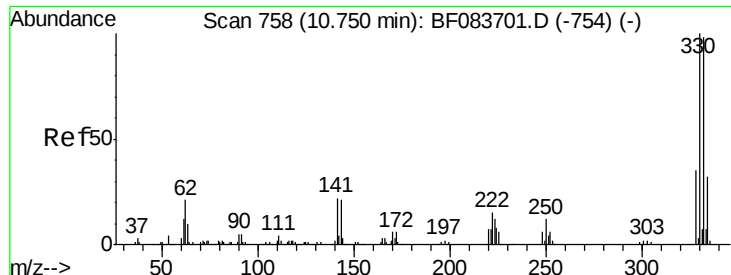
Delta R.T. 0.00 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100				
235	63.5		43.9	83.9	
272	11.5		0.0	31.8	





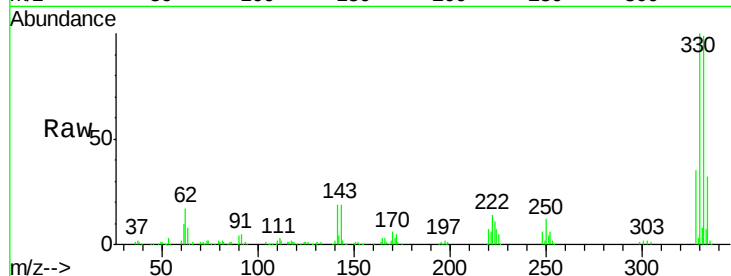
#41
 2,4,6-Tribromophenol
 Concen: 95.60 ng
 RT: 10.75 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: BF083705.D
 Acq: 11 Dec 2015 18:33

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF121115

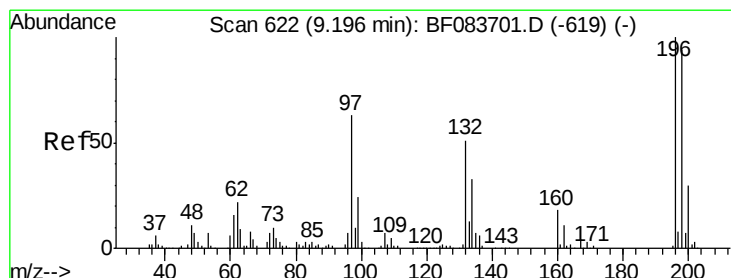
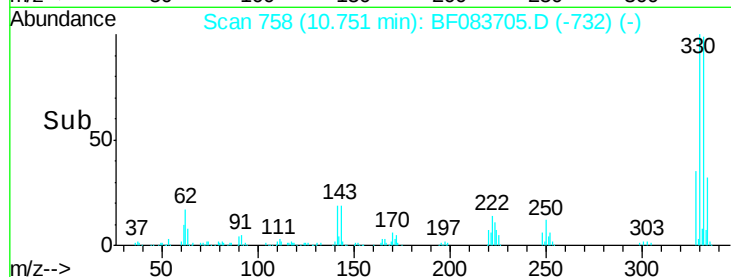
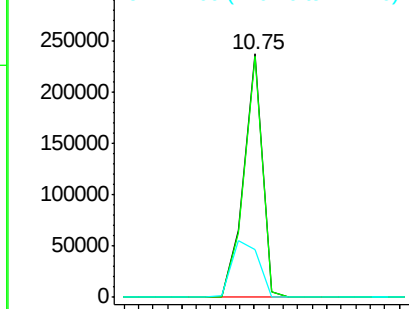
Tot Ion	Ratio	Resp	Lower	Upper
330	100	212428		
332	98.3	0.0	0.0	0.0
141	33.5	0.0	0.0	0.0

Manual Integrations
 APPROVED

MMdadoda
 12/14/2015 6:22:29 PM



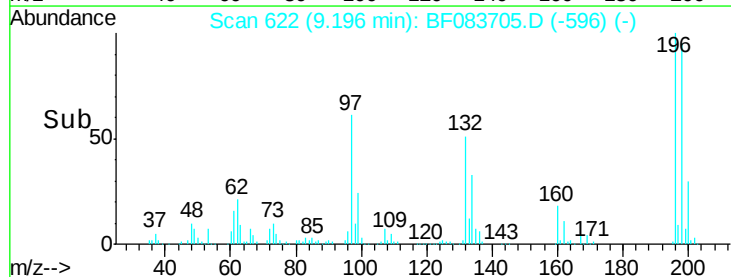
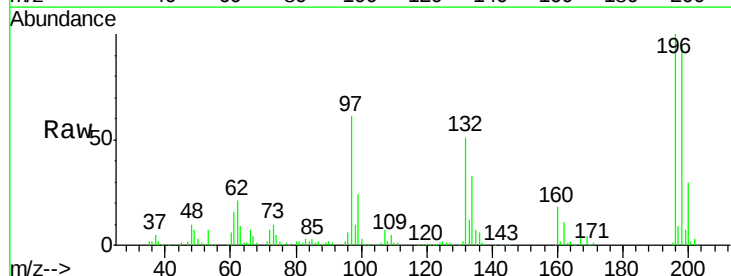
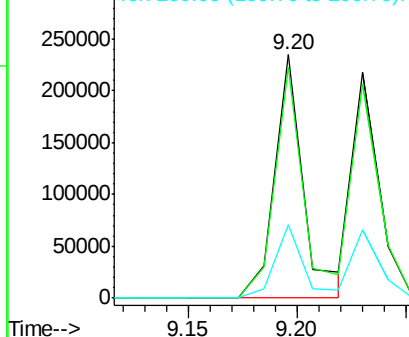
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

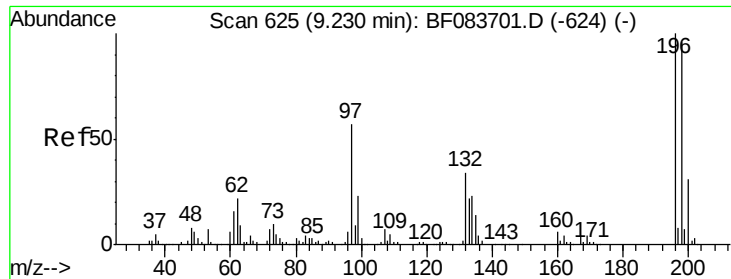


#42
 2,4,6-Trichlorophenol
 Concen: 44.62 ng
 RT: 9.20 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BF083705.D
 Acq: 11 Dec 2015 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	218999		
198	95.0	75.2	112.8	
200	30.1	23.0	34.6	

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





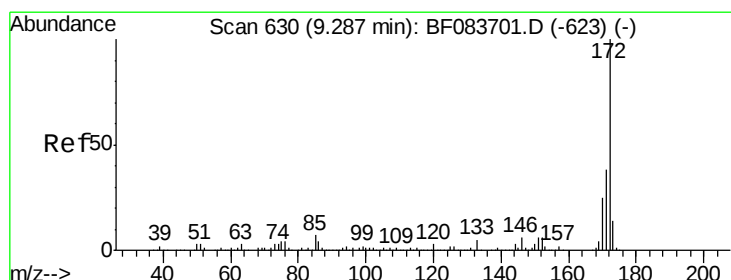
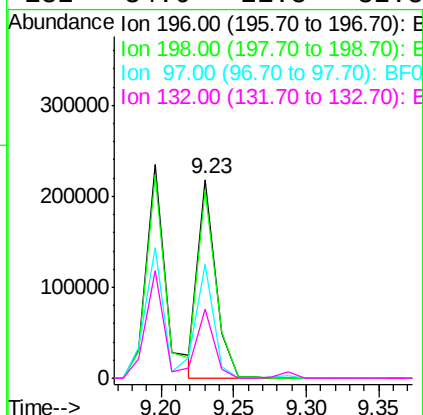
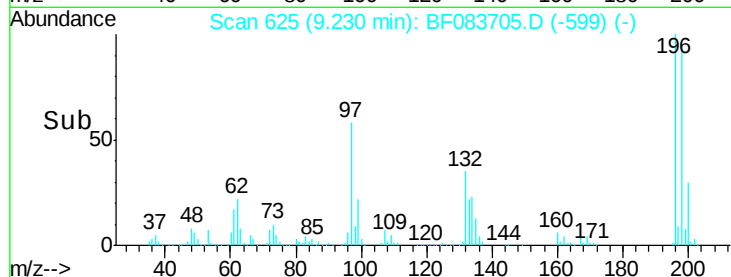
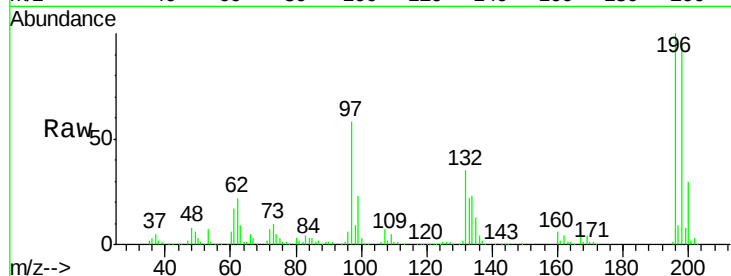
#43
 2,4,5-Trichlorophenol
 Concen: 39.29 ng
 RT: 9.23 min Scan# 625
 Delta R.T. 0.00 min
 Lab File: BF083705.D
 Acq: 11 Dec 2015 18:33

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF121115

Tot Ion	Ratio	Resp	Lower	Upper
196	100	186066		
198	94.7	77.7	116.5	
97	57.7	41.2	61.8	
132	34.6	21.8	32.8	

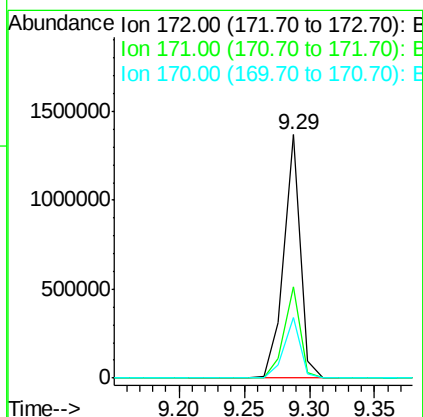
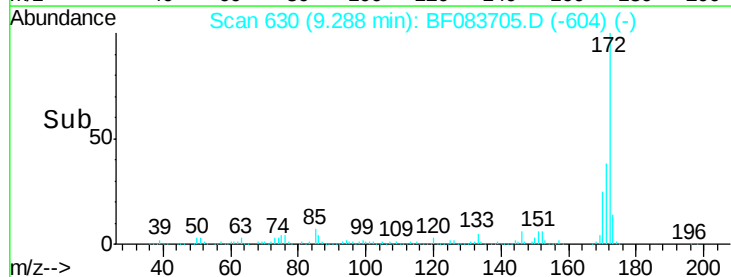
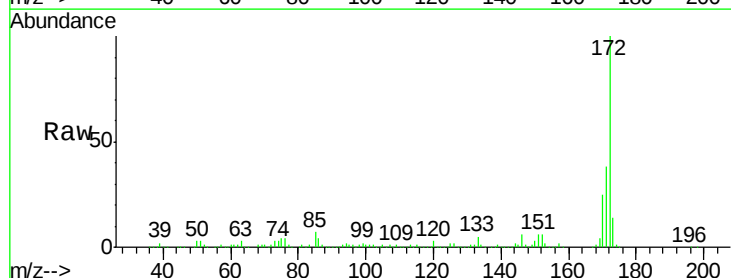
Manual Integrations
 APPROVED

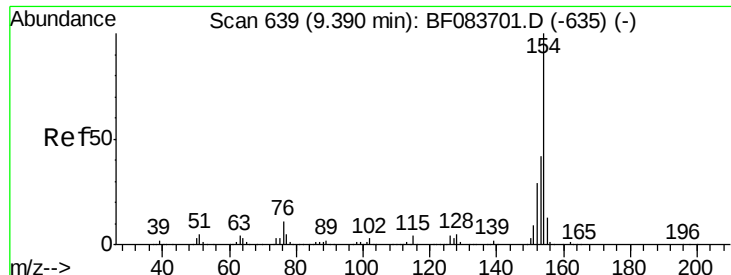
MMdadoda
 12/14/2015 6:22:29 PM



#44
 2-Fluorobiphenyl
 Concen: 78.69 ng
 RT: 9.29 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: BF083705.D
 Acq: 11 Dec 2015 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1226497		
171	37.7	28.6	42.8	
170	25.1	19.4	29.0	





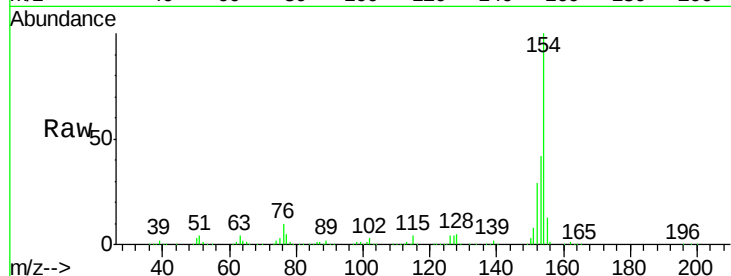
#45
 1,1'-Biphenyl
 Concen: 43.19 ng
 RT: 9.39 min Scan# 639
 Delta R.T. 0.00 min
 Lab File: BF083705.D
 Acq: 11 Dec 2015 18:33

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF121115

Tot Ion	Ratio	Lower	Upper
154	100		
153	41.6	20.2	60.2
76	10.4	0.0	34.8

Manual Integrations
 APPROVED

MMdadoda
 12/14/2015 6:22:29 PM

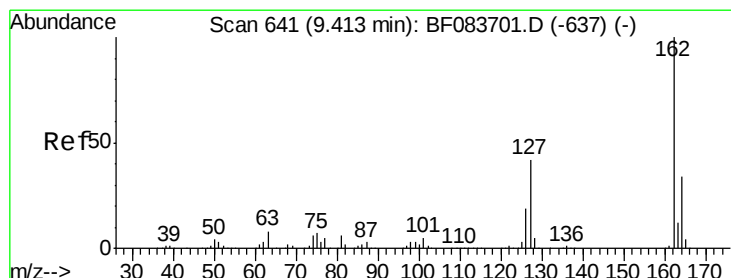
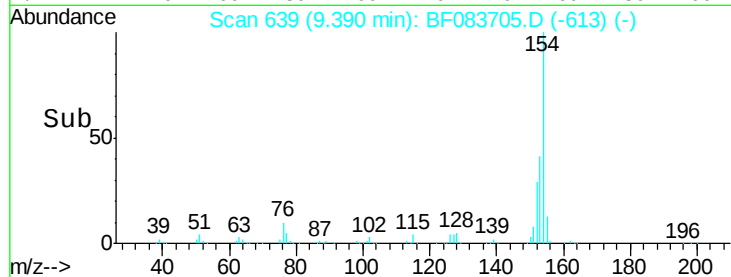
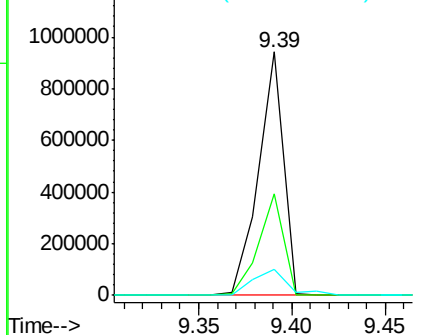


Abundance

Ion 154.00 (153.70 to 154.70): E

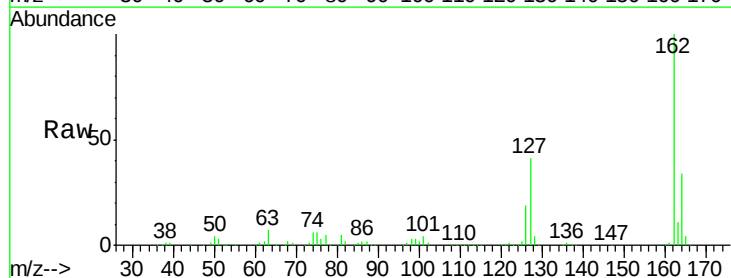
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46
 2-Chloronaphthalene
 Concen: 43.41 ng
 RT: 9.41 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: BF083705.D
 Acq: 11 Dec 2015 18:33

Tgt Ion	Ratio	Lower	Upper
162	100		
127	41.3	31.0	46.4
164	33.6	27.4	41.0

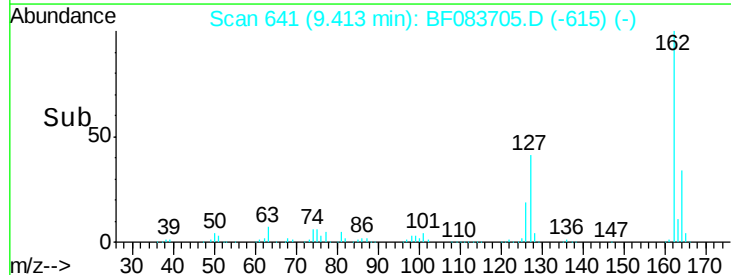
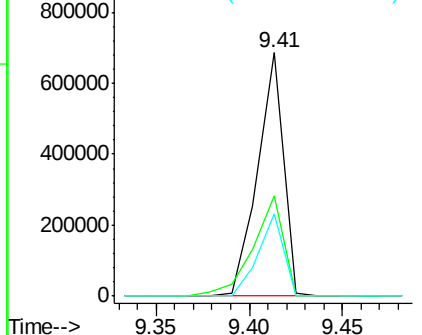


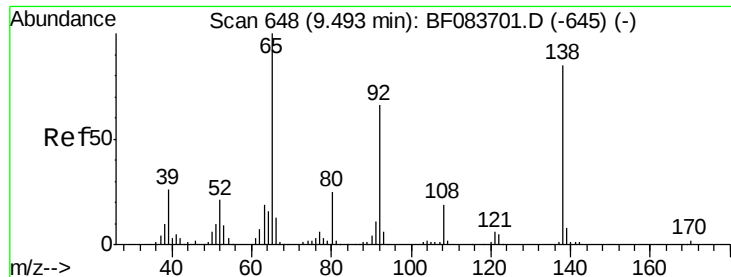
Abundance

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





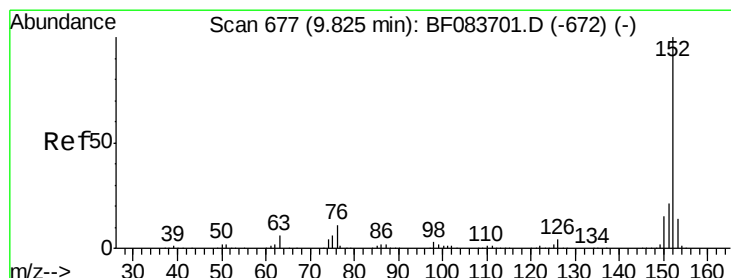
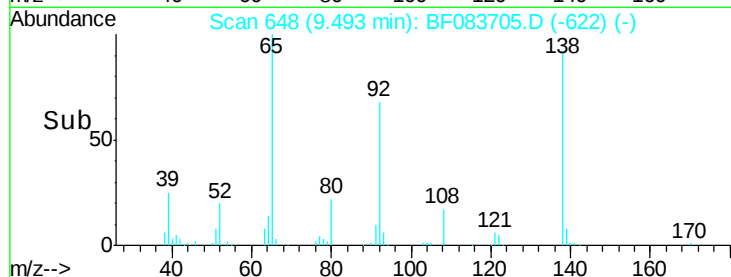
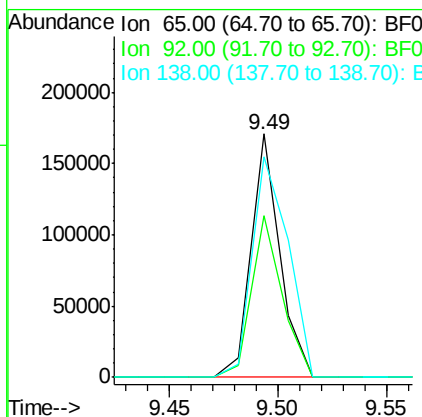
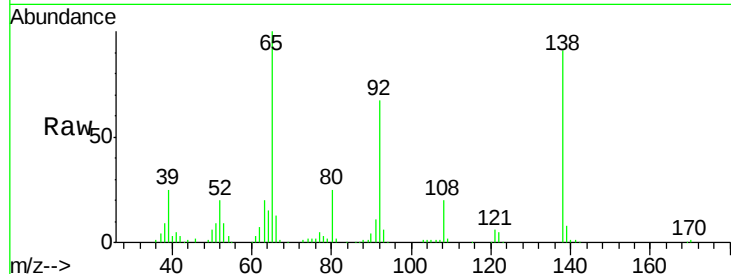
#47
2-Nitroaniline
Concen: 42.27 ng
RT: 9.49 min Scan# 648
Delta R.T. 0.00 min
Lab File: BF083705.D
Acq: 11 Dec 2015 18:33

Instrument :
BNA_F
ClientSampleId :
ICVBF121115

Tot Ion	Ratio	Lower	Upper
65	100		
92	66.5	49.6	74.4
138	90.5	64.1	96.1

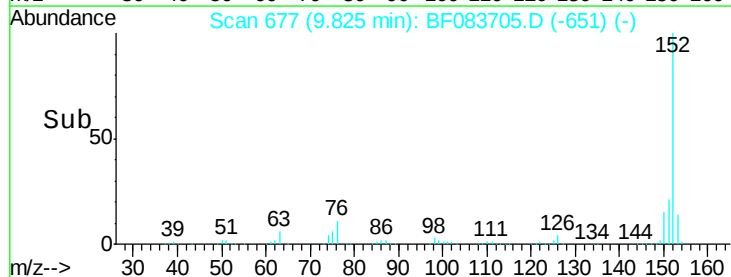
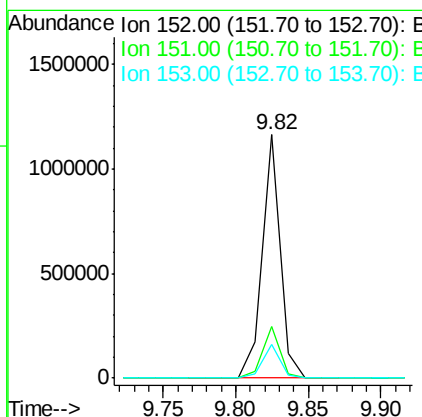
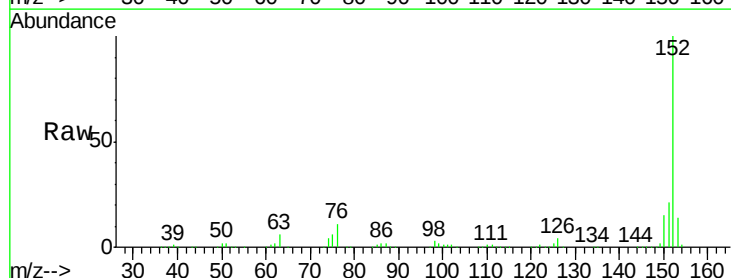
Manual Integrations
APPROVED

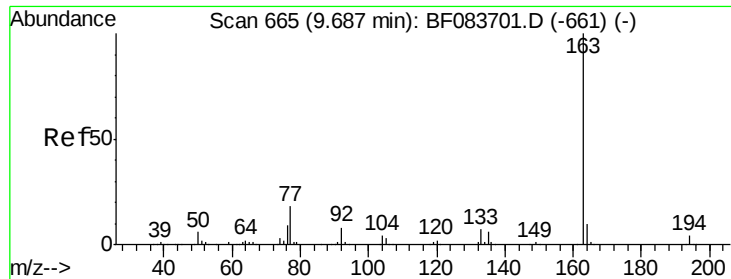
MMdadoda
12/14/2015 6:22:29 PM



#48
Acenaphthylene
Concen: 40.43 ng
RT: 9.82 min Scan# 677
Delta R.T. 0.00 min
Lab File: BF083705.D
Acq: 11 Dec 2015 18:33

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.3	24.5
153	13.8	10.8	16.2





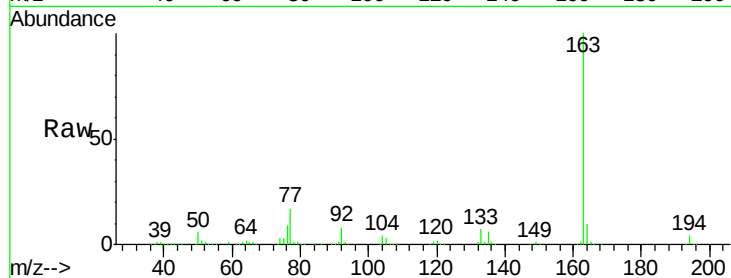
#49
Dimethylphthalate
Concen: 42.64 ng
RT: 9.69 min Scan# 665
Delta R.T. 0.00 min
Lab File: BF083705.D
Acq: 11 Dec 2015 18:33

Instrument :
BNA_F
ClientSampleId :
ICVBF121115

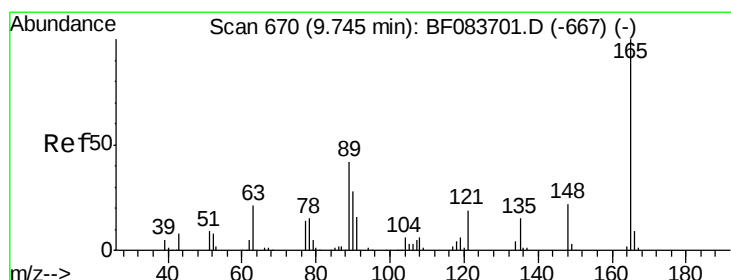
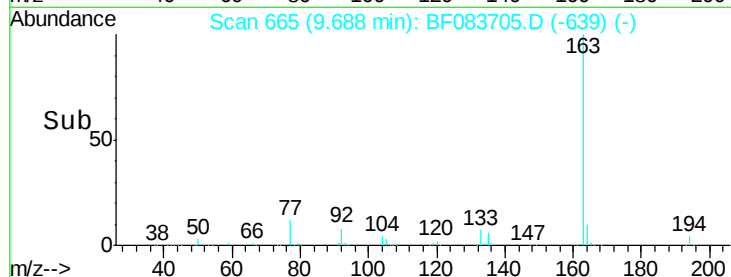
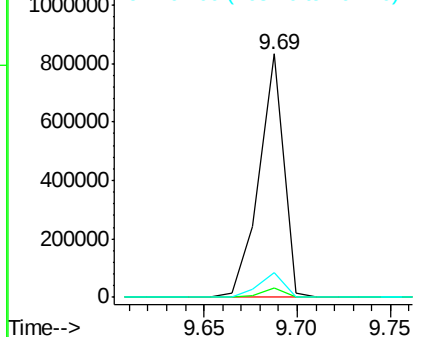
Tot Ion	Ratio	Resp	Lower	Upper
163	100	753208		
194	3.7		2.8	4.2
164	10.4		8.6	13.0

Manual Integrations
APPROVED

MMdadoda
12/14/2015 6:22:29 PM

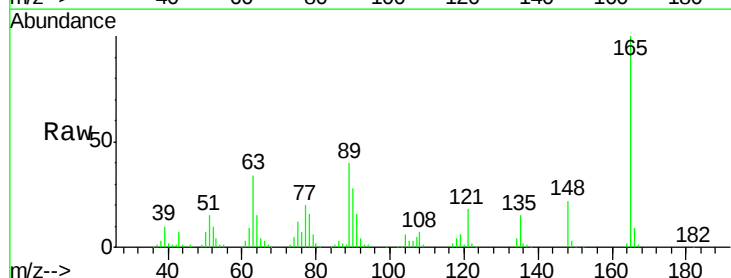


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

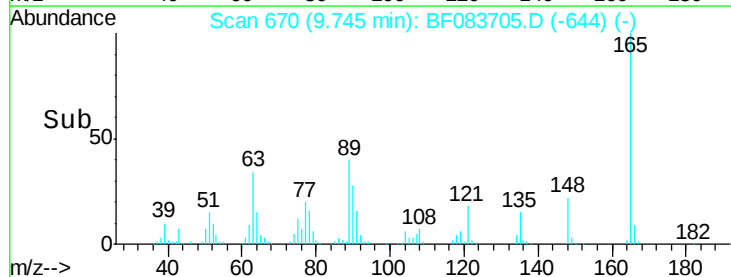
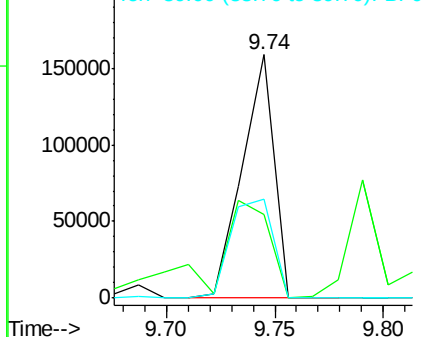


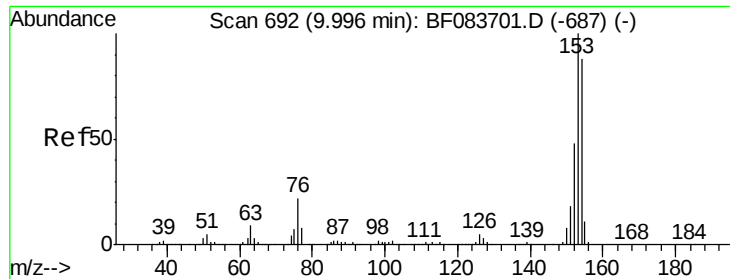
#50
2,6-Dinitrotoluene
Concen: 47.00 ng
RT: 9.74 min Scan# 670
Delta R.T. 0.00 min
Lab File: BF083705.D
Acq: 11 Dec 2015 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	161187		
63	34.5		56.9	85.3#
89	40.5		52.1	78.1#



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: 39.97 ng

RT: 10.00 min Scan# 692

Delta R.T. 0.00 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

Instrument :

BNA_F

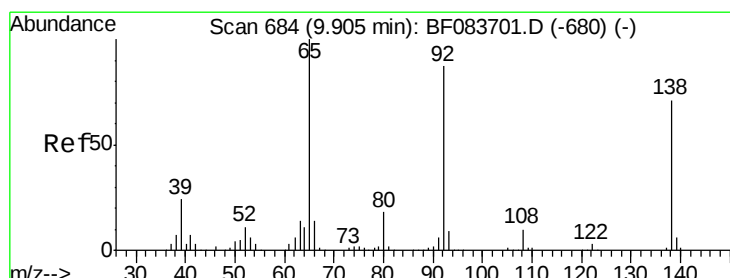
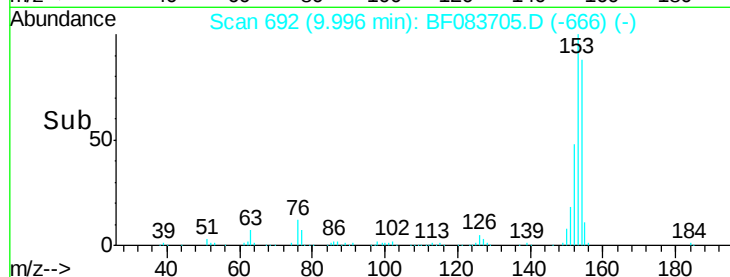
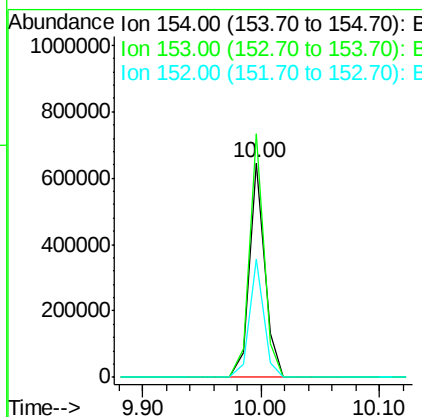
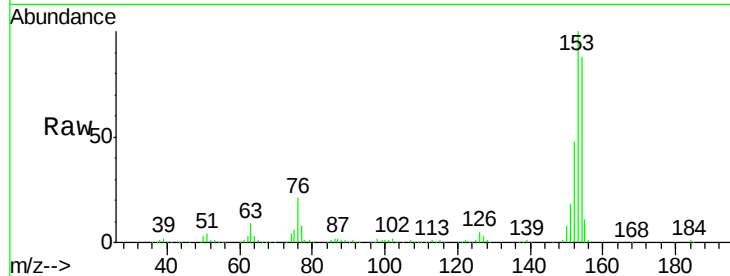
ClientSampleId :

ICVBF121115

Tot Ion:	154	Resp:	588450
Ion Ratio	Lower	Upper	
154	100		
153	113.5	91.4	137.0
152	54.9	43.4	65.2

Manual Integrations
APPROVED

MMdadoda
12/14/2015 6:22:29 PM



#52

3-Nitroaniline

Concen: 44.36 ng

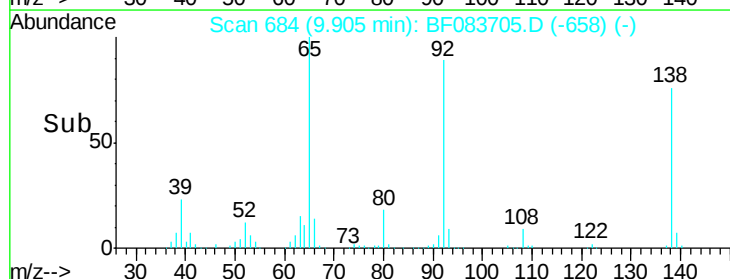
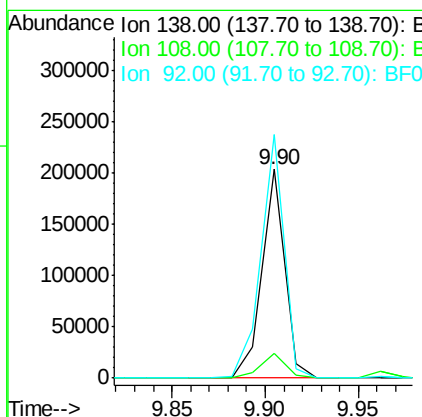
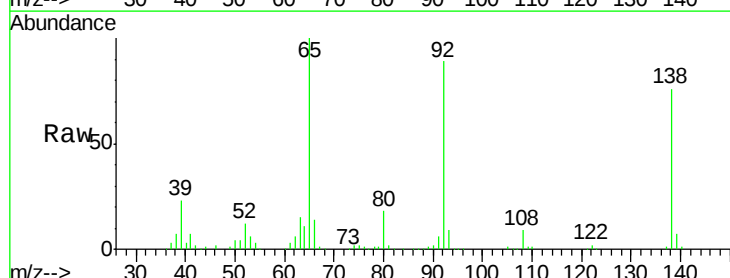
RT: 9.90 min Scan# 684

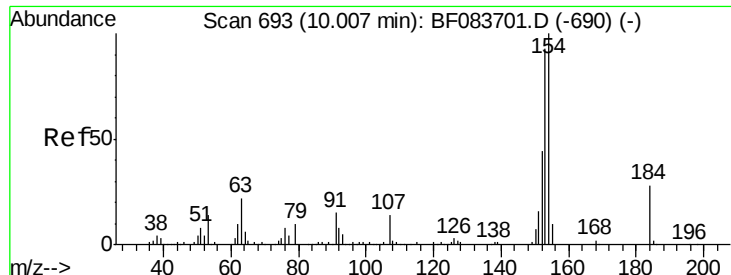
Delta R.T. 0.00 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

Tgt Ion:	138	Resp:	170629
Ion Ratio	Lower	Upper	
138	100		
108	12.1	9.9	14.9
92	116.6	113.8	170.8





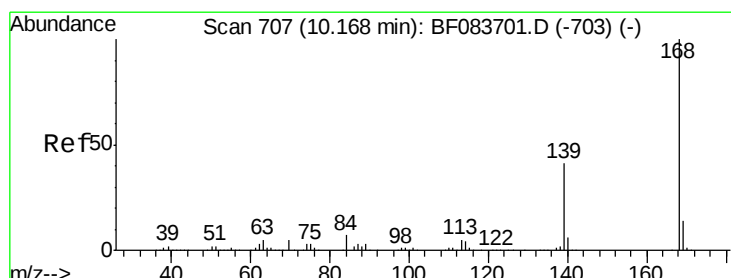
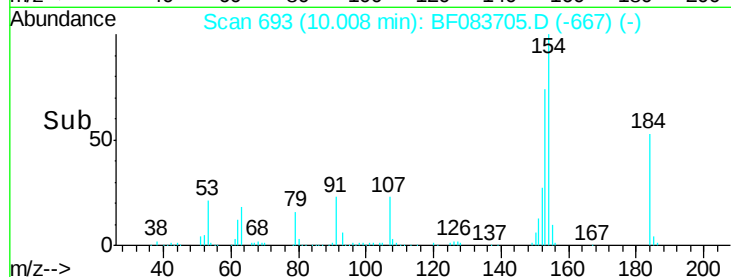
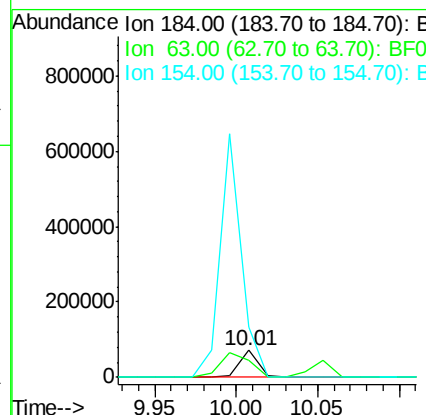
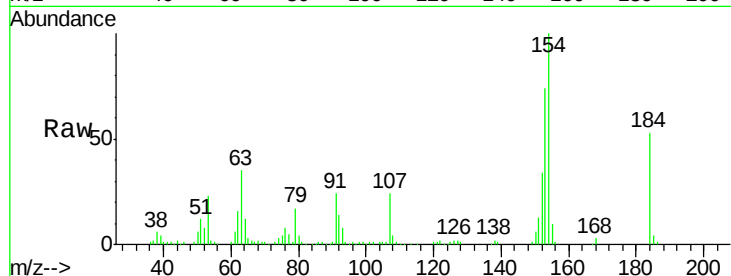
#53
2,4-Dinitrophenol
Concen: 52.04 ng
RT: 10.01 min Scan# 693
Delta R.T. 0.00 min
Lab File: BF083705.D
Acq: 11 Dec 2015 18:33

Instrument :
BNA_F
ClientSampleId :
ICVBF121115

Tot Ion	Ratio	Resp	Lower	Upper
184	100	55203		
63	64.8	62.4	93.6	
154	187.7	46.6	69.8	

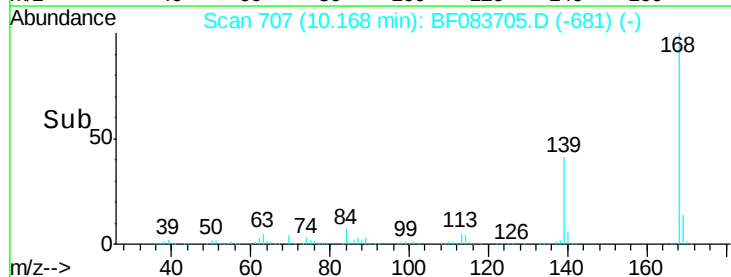
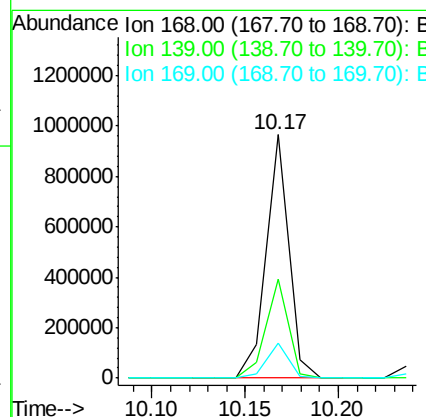
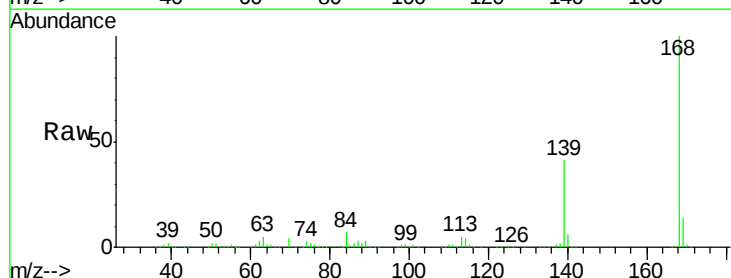
Manual Integrations
APPROVED

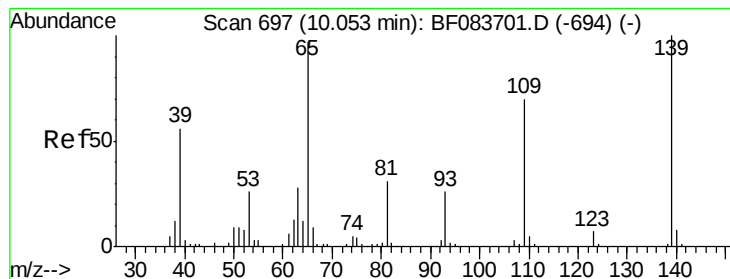
MMdadoda
12/14/2015 6:22:29 PM



#54
Dibenzofuran
Concen: 41.03 ng
RT: 10.17 min Scan# 707
Delta R.T. 0.00 min
Lab File: BF083705.D
Acq: 11 Dec 2015 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	804453		
139	40.8	28.0	42.0	
169	14.3	10.8	16.2	





#55

4-Nitrophenol

Concen: 45.80 ng

RT: 10.05 min Scan# 697

Delta R.T. 0.00 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

Instrument :

BNA_F

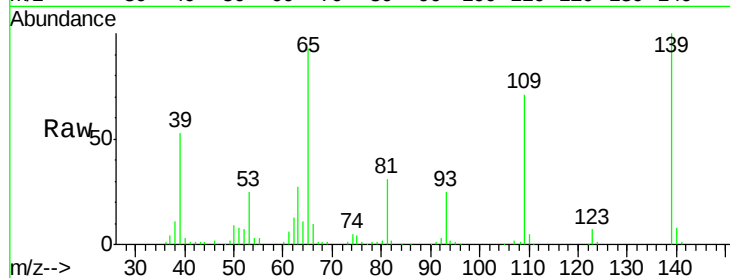
ClientSampleId :

ICVBF121115

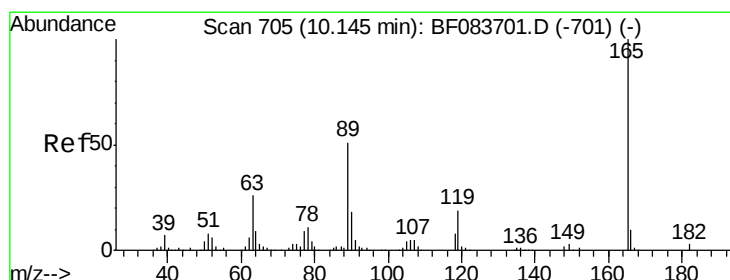
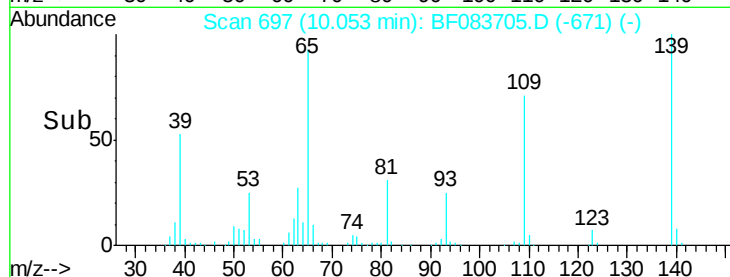
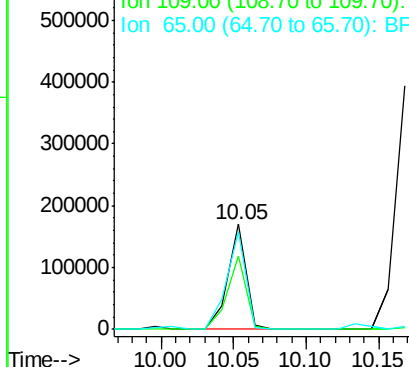
Tot Ion:	139	Resp:	149729
Ion Ratio	Lower	Upper	
139	100		
109	70.6	42.0	82.0
65	93.1	89.2	129.2

Manual Integrations
APPROVED

MMdadoda
12/14/2015 6:22:29 PM



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



#56

2,4-Dinitrotoluene

Concen: 47.73 ng

RT: 10.14 min Scan# 705

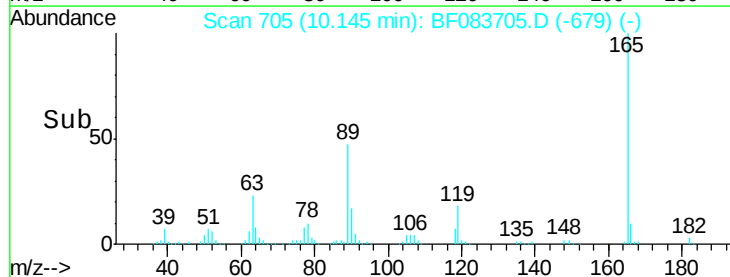
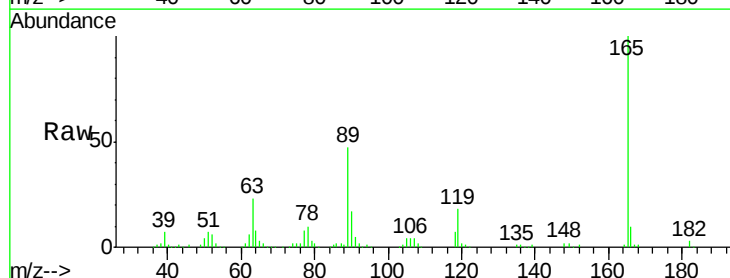
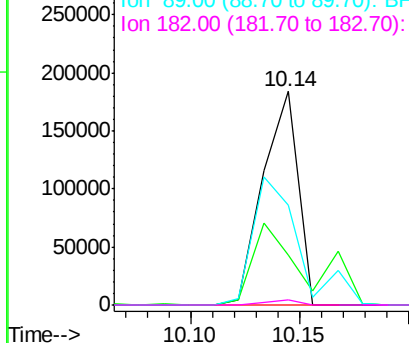
Delta R.T. 0.00 min

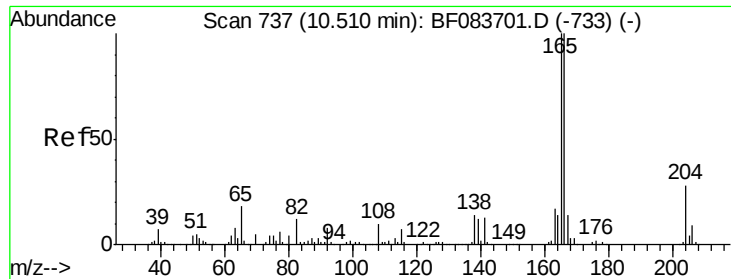
Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

Tgt Ion:	165	Resp:	208172
Ion Ratio	Lower	Upper	
165	100		
63	23.4	51.4	77.2#
89	46.8	72.6	108.8#
182	2.6	1.4	2.0#

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 41.87 ng

RT: 10.51 min Scan# 737

Delta R.T. 0.00 min

Lab File: BF083705.D

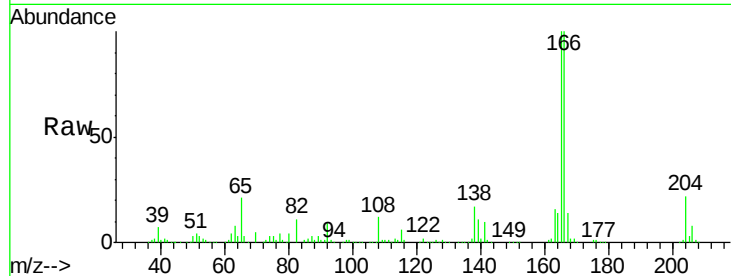
Acq: 11 Dec 2015 18:33

Instrument :

BNA_F

ClientSampleId :

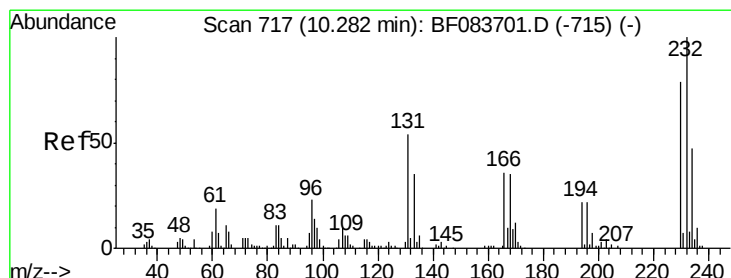
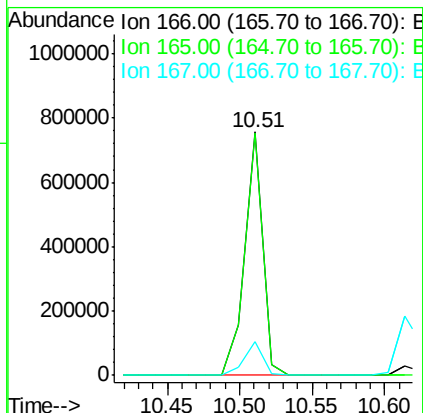
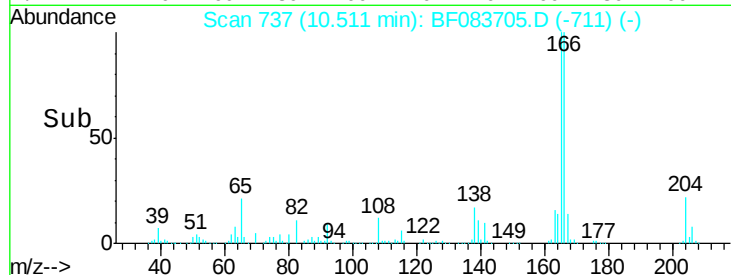
ICVBF121115



Tot Ion	Ratio	Resp	Lower	Upper
166	100	651454		
165	99.8	80.0	120.0	
167	13.8	10.6	16.0	

Manual Integrations
APPROVED

MMdadoda
12/14/2015 6:22:29 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 45.40 ng

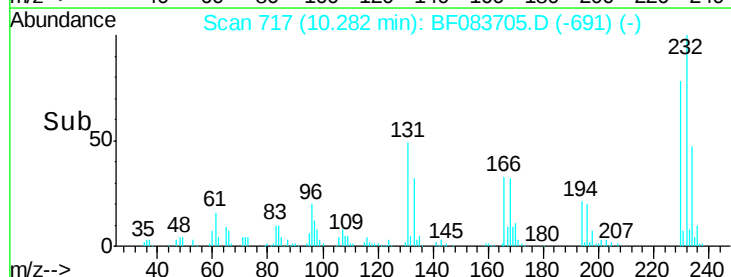
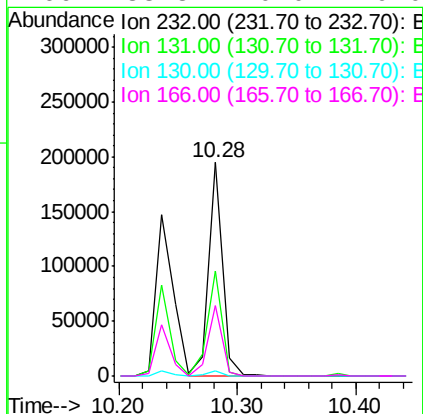
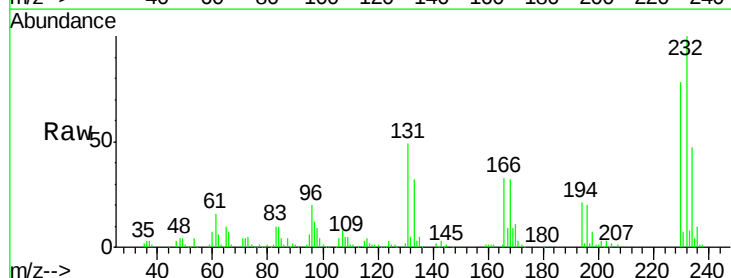
RT: 10.28 min Scan# 717

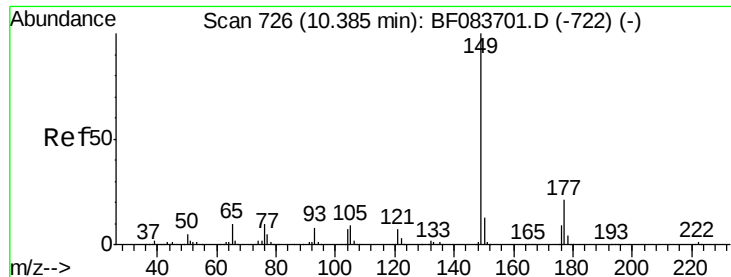
Delta R.T. 0.00 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	159212		
131	51.9	0.0	0.0#	
130	2.4	0.0	0.0#	
166	33.8	0.0	0.0#	





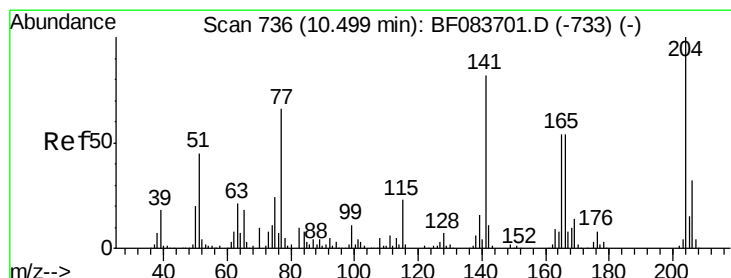
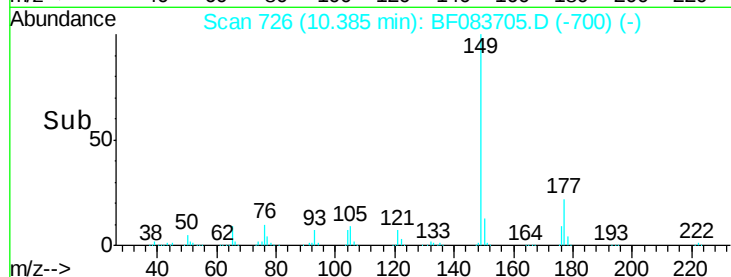
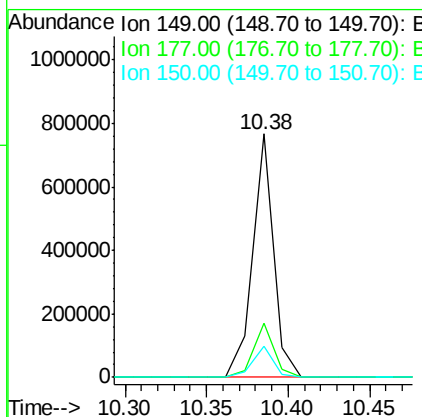
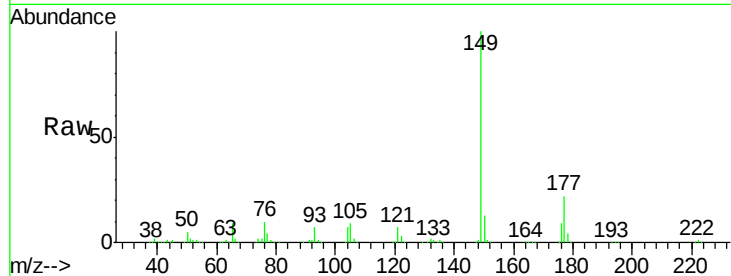
#59
Diethylphthalate
Concen: 41.28 ng
RT: 10.38 min Scan# 726
Delta R.T. 0.00 min
Lab File: BF083705.D
Acq: 11 Dec 2015 18:33

Instrument :
BNA_F
ClientSampleId :
ICVBF121115

Tot Ion	Ratio	Resp	Lower	Upper
149	100	683260		
177	22.0		16.9	25.3
150	12.9		10.2	15.4

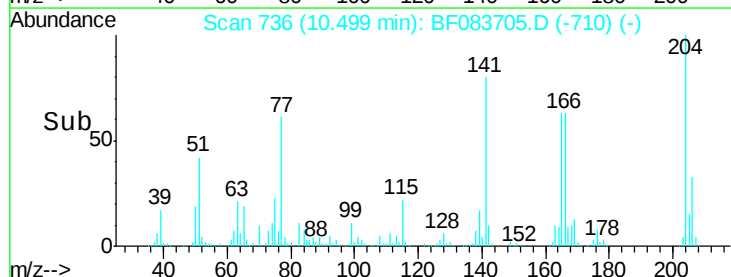
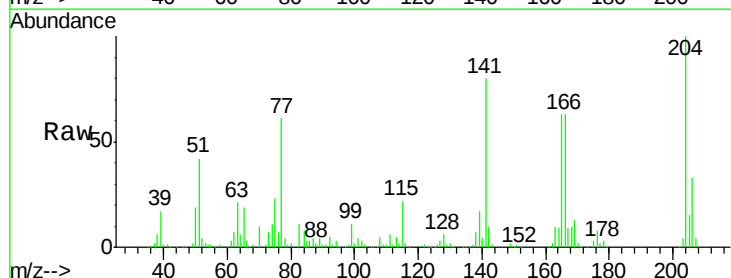
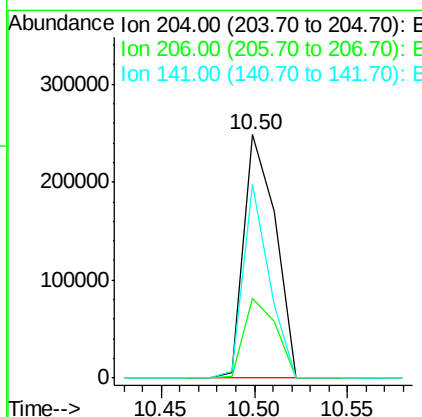
Manual Integrations
APPROVED

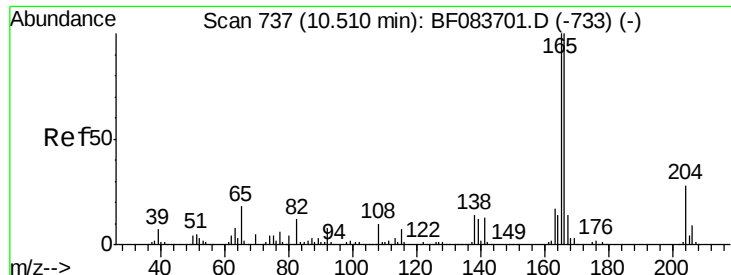
MMdadoda
12/14/2015 6:22:29 PM



#60
4-Chlorophenyl-phenylether
Concen: 39.25 ng
RT: 10.50 min Scan# 736
Delta R.T. 0.00 min
Lab File: BF083705.D
Acq: 11 Dec 2015 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	291424		
206	32.7		27.3	40.9
141	79.6		51.9	77.9#





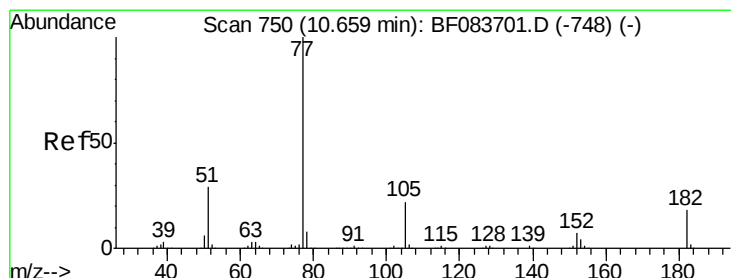
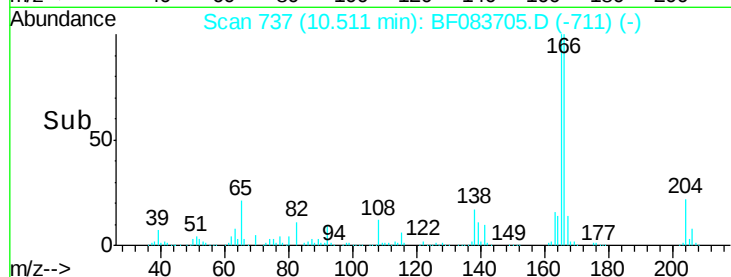
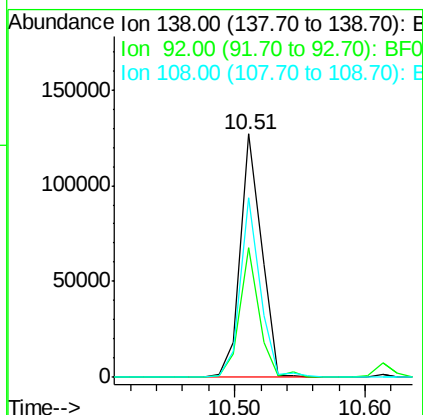
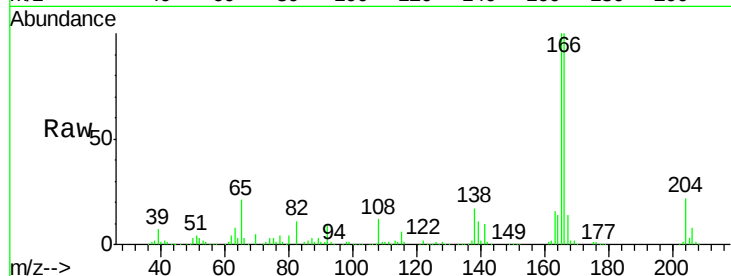
#61
4-Nitroaniline
Concen: 39.78 ng
RT: 10.51 min Scan# 737
Delta R.T. 0.00 min
Lab File: BF083705.D
Acq: 11 Dec 2015 18:33

Instrument :
BNA_F
ClientSampleId :
ICVBF121115

Tot Ion	Ratio	Resp	Lower	Upper
138	100			
92	53.2	29.0	69.0	
108	73.6	47.4	87.4	

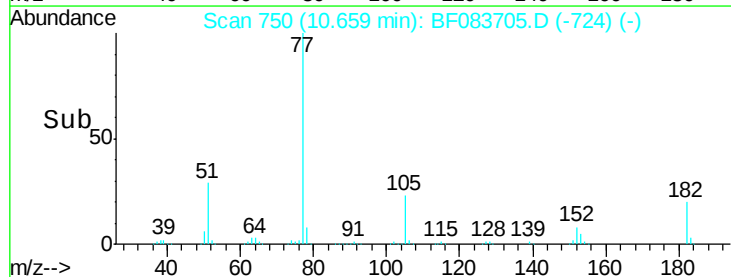
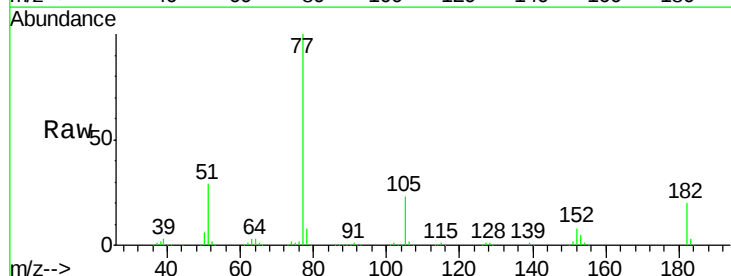
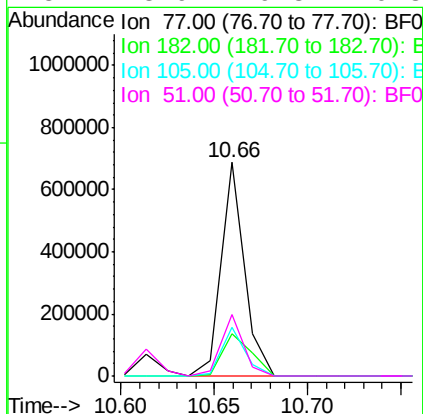
Manual Integrations
APPROVED

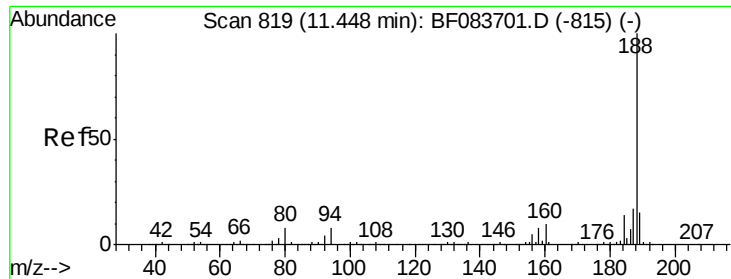
MMdadoda
12/14/2015 6:22:29 PM



#62
Azobenzene
Concen: 38.04 ng
RT: 10.66 min Scan# 750
Delta R.T. 0.00 min
Lab File: BF083705.D
Acq: 11 Dec 2015 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
182	19.8	2.5	42.5	
105	22.9	2.1	42.1	
51	28.9	9.3	49.3	





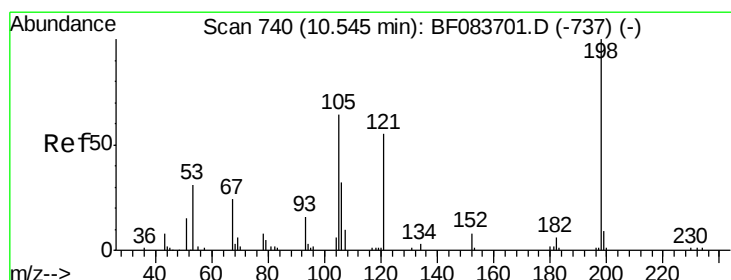
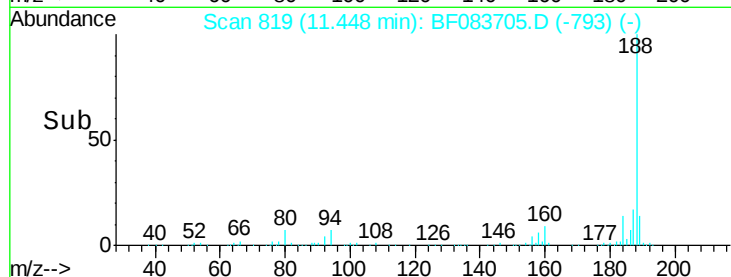
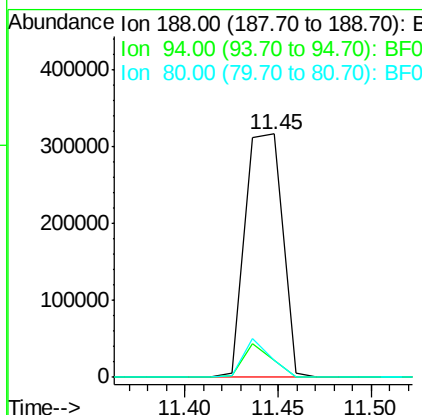
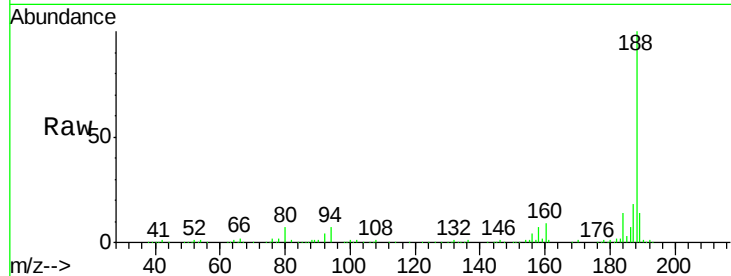
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF083705.D
Acq: 11 Dec 2015 18:33

Instrument :
BNA_F
ClientSampleId :
ICVBF121115

Tot Ion	Ratio	Resp	Lower	Upper
188	100	438097		
94	7.0		9.4	14.2#
80	6.9		10.6	16.0#

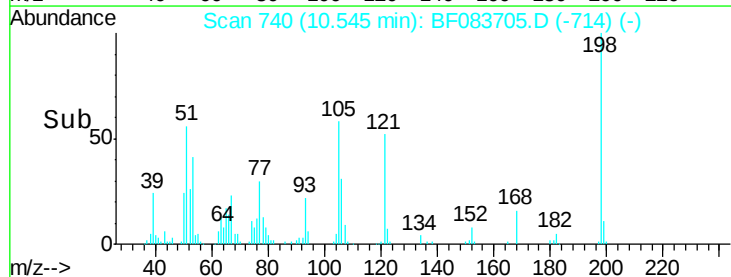
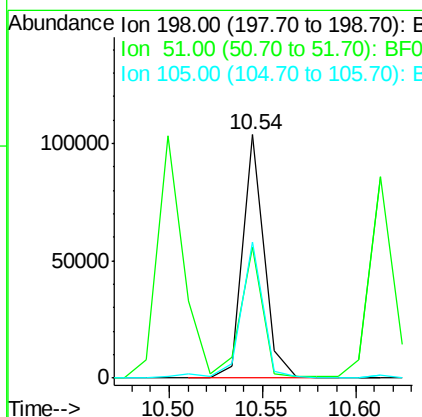
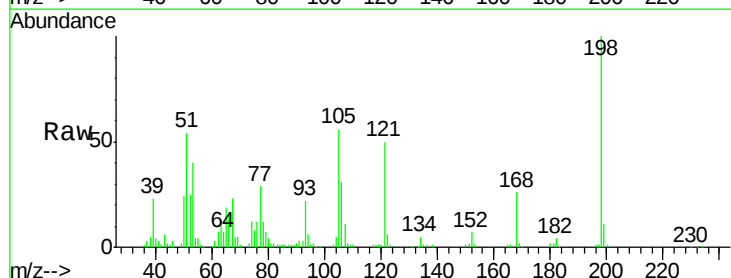
Manual Integrations
APPROVED

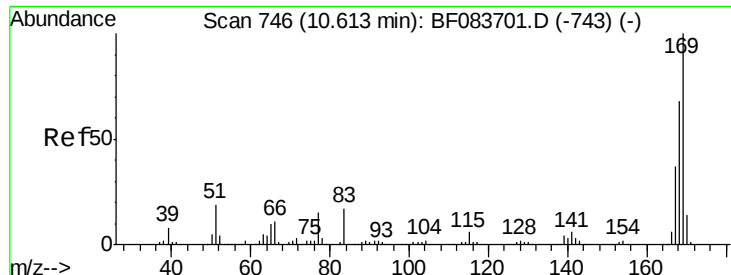
MMdadoda
12/14/2015 6:22:29 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 45.47 ng
RT: 10.54 min Scan# 740
Delta R.T. 0.00 min
Lab File: BF083705.D
Acq: 11 Dec 2015 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	82951		
51	54.0		53.8	93.8
105	55.9		38.6	78.6





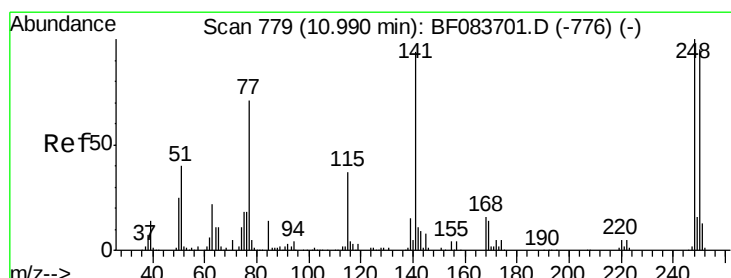
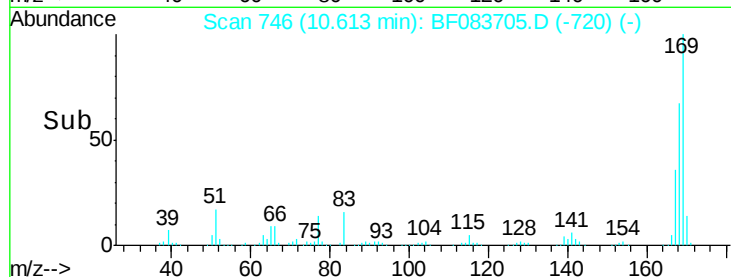
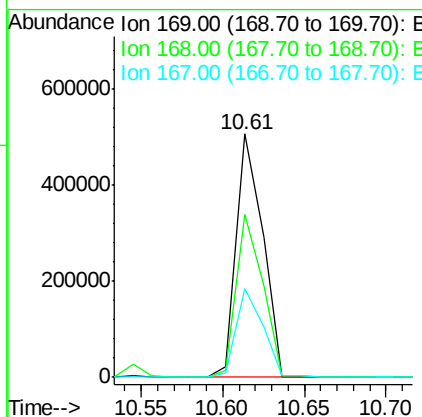
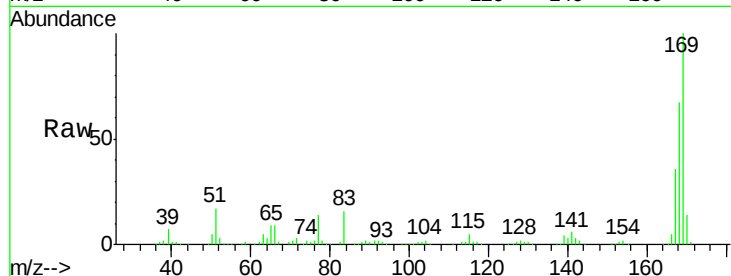
#65
 n-Nitrosodiphenylamine
 Concen: 38.71 ng
 RT: 10.61 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: BF083705.D
 Acq: 11 Dec 2015 18:33

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF121115

Tot Ion	Ratio	Resp	Lower	Upper
169	100	562901		
168	67.0	53.0	79.6	
167	36.2	29.3	43.9	

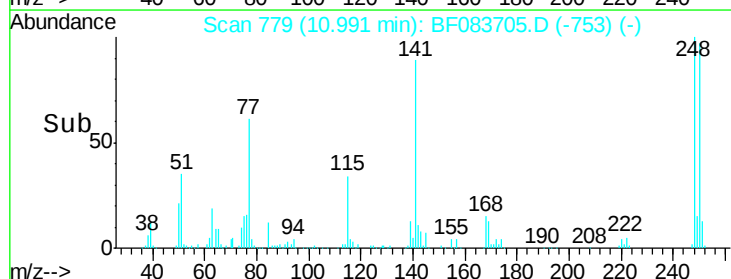
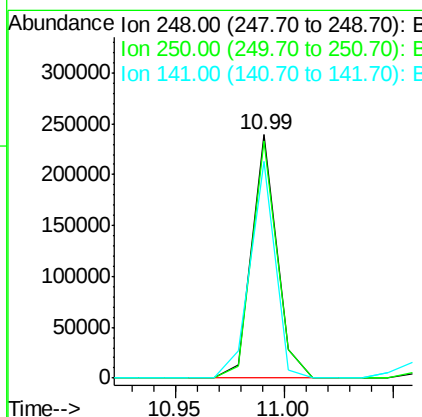
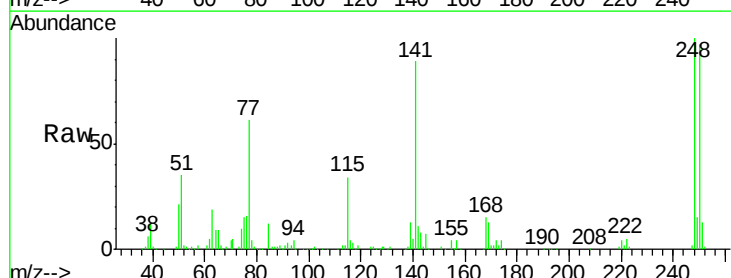
Manual Integrations
 APPROVED

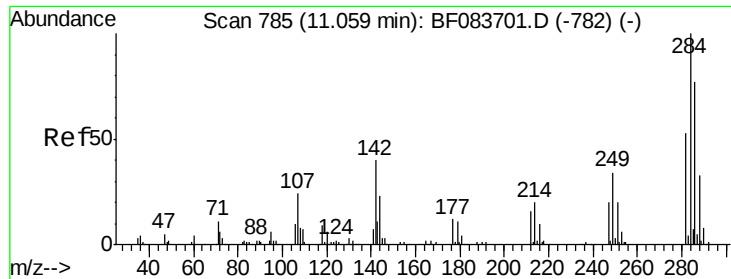
MMdadoda
 12/14/2015 6:22:29 PM



#66
 4-Bromophenyl-phenylether
 Concen: 41.07 ng
 RT: 10.99 min Scan# 779
 Delta R.T. 0.00 min
 Lab File: BF083705.D
 Acq: 11 Dec 2015 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	192313		
250	97.4	79.2	118.8	
141	89.0	58.2	87.4	





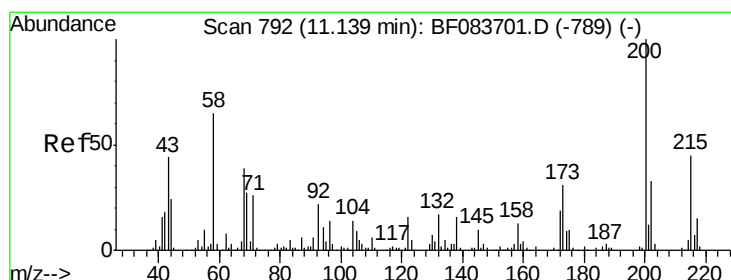
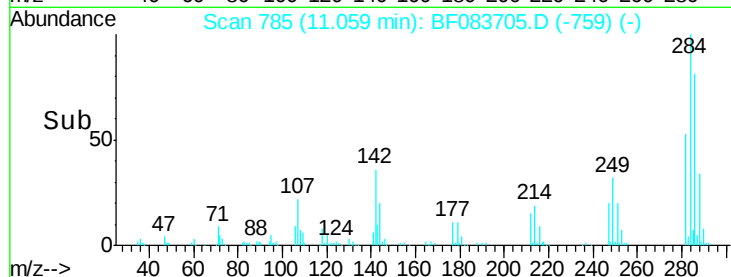
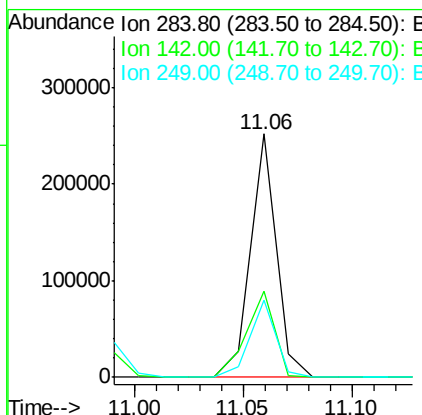
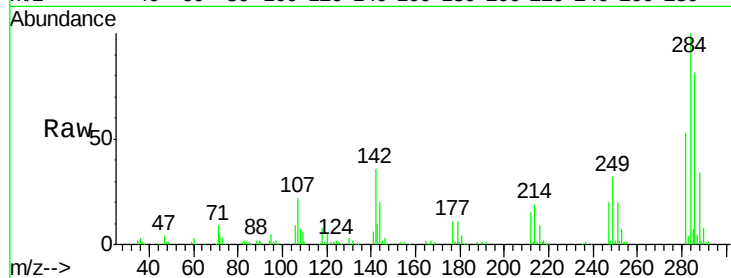
#67
Hexachlorobenzene
Concen: 40.77 ng
RT: 11.06 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF083705.D
Acq: 11 Dec 2015 18:33

Instrument :
BNA_F
ClientSampleId :
ICVBF121115

Tot Ion	Ratio	Resp	Lower	Upper
284	100	207939		
142	35.5		31.0	46.4
249	32.0		26.9	40.3

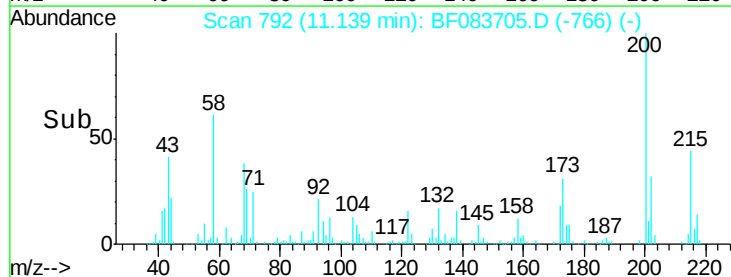
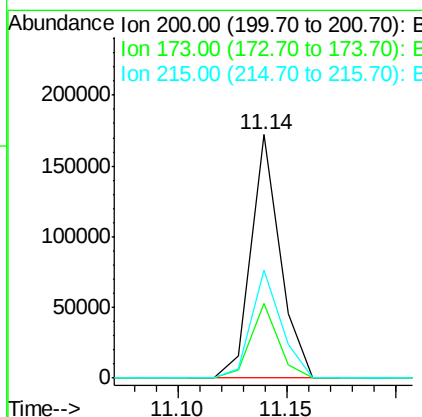
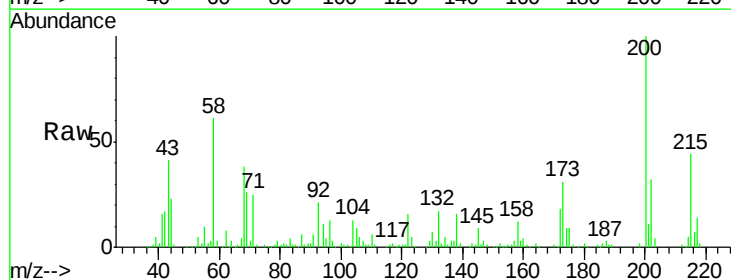
Manual Integrations
APPROVED

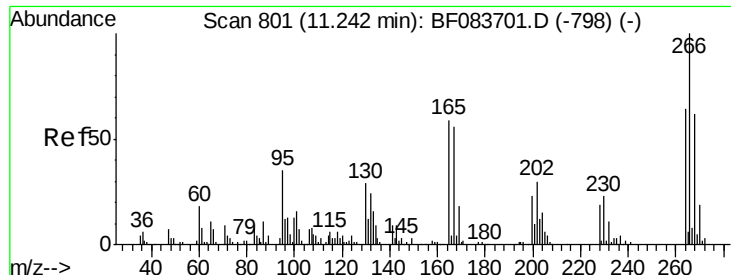
MMdadoda
12/14/2015 6:22:29 PM



#68
Atrazine
Concen: 38.69 ng
RT: 11.14 min Scan# 792
Delta R.T. 0.00 min
Lab File: BF083705.D
Acq: 11 Dec 2015 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	160471		
173	30.5		7.8	47.8
215	44.4		25.7	65.7





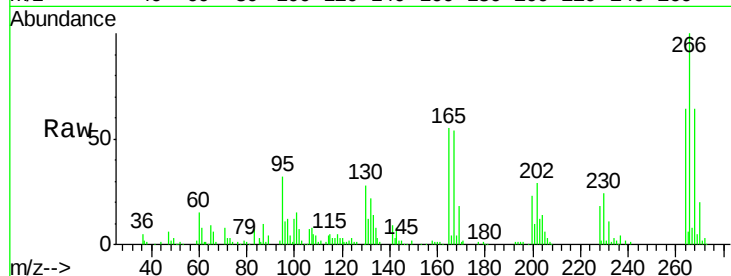
#69
 Pentachlorophenol
 Concen: 44.02 ng
 RT: 11.24 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: BF083705.D
 Acq: 11 Dec 2015 18:33

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF121115

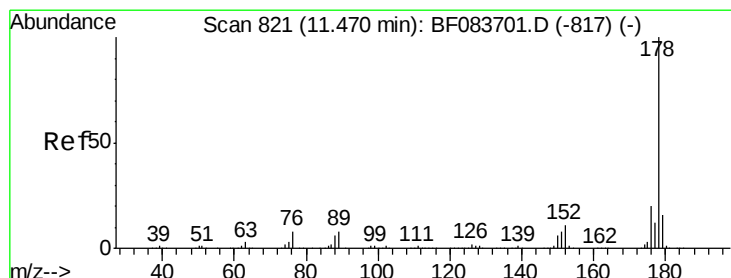
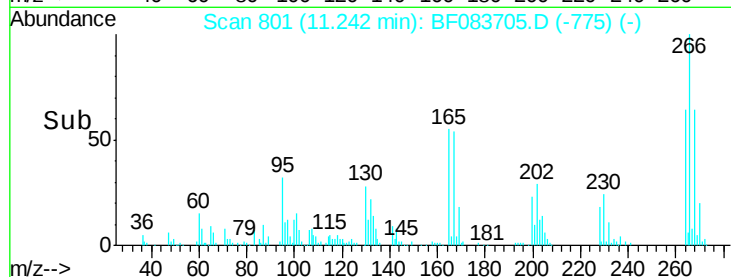
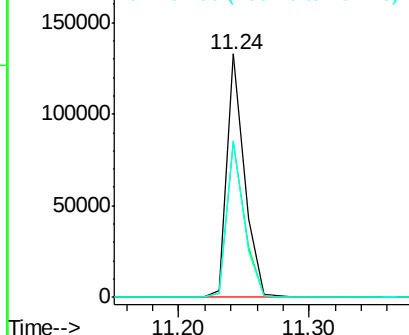
Tot Ion	Ratio	Lower	Upper
266	100		
268	63.9	50.2	75.2
264	64.1	51.4	77.2

Manual Integrations
 APPROVED

MMdadoda
 12/14/2015 6:22:29 PM

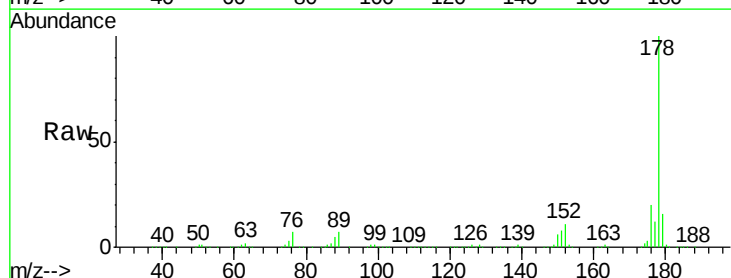


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

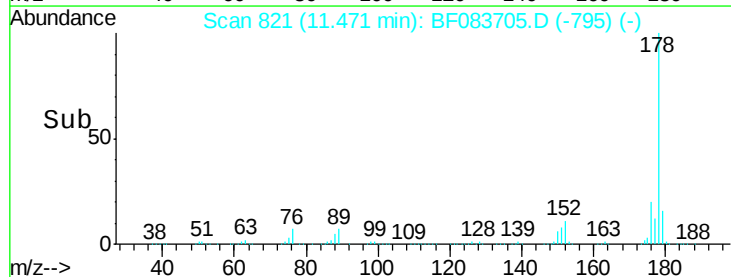
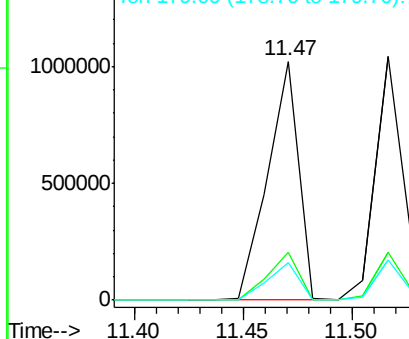


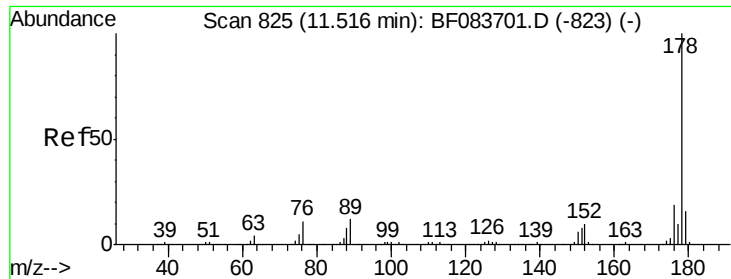
#70
 Phenanthrene
 Concen: 42.63 ng
 RT: 11.47 min Scan# 821
 Delta R.T. 0.00 min
 Lab File: BF083705.D
 Acq: 11 Dec 2015 18:33

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.7	23.5
179	15.8	12.2	18.4



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





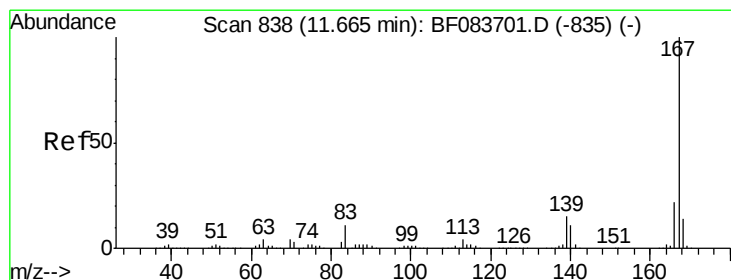
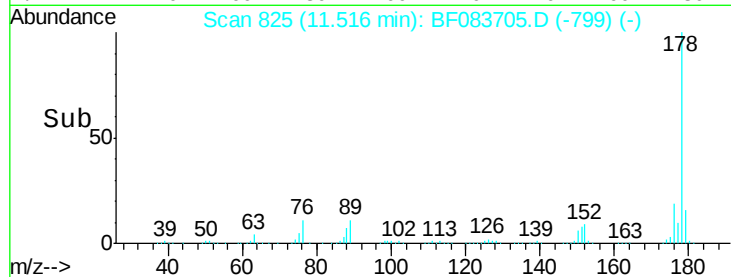
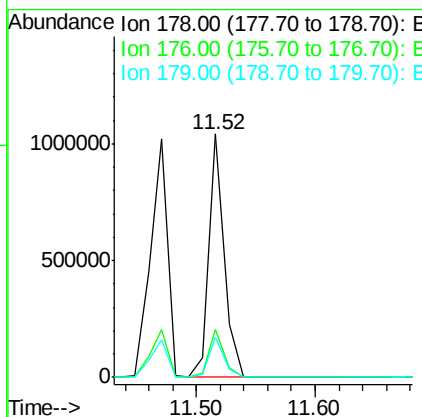
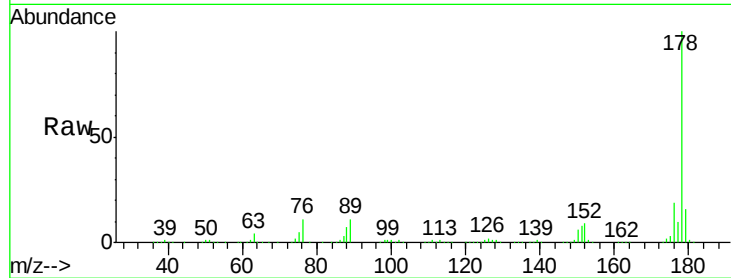
#71
 Anthracene
 Concen: 37.76 ng
 RT: 11.52 min Scan# 825
 Delta R.T. 0.00 min
 Lab File: BF083705.D
 Acq: 11 Dec 2015 18:33

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF121115

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.2	22.8
179	16.2	12.6	18.8

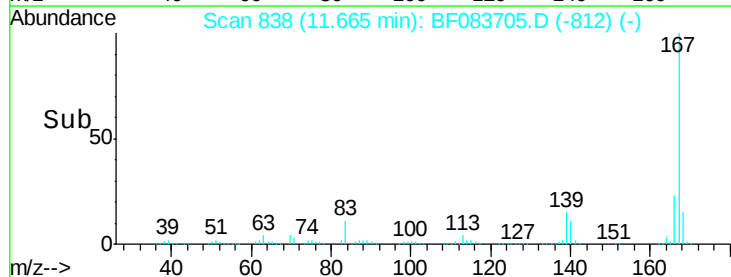
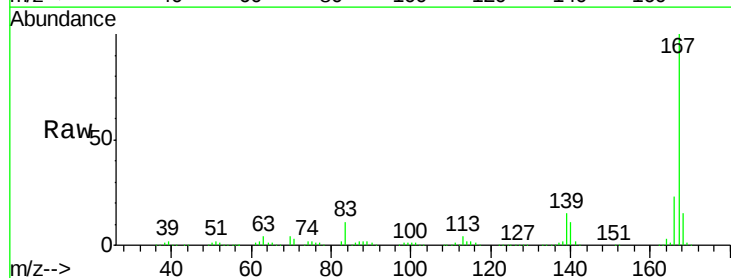
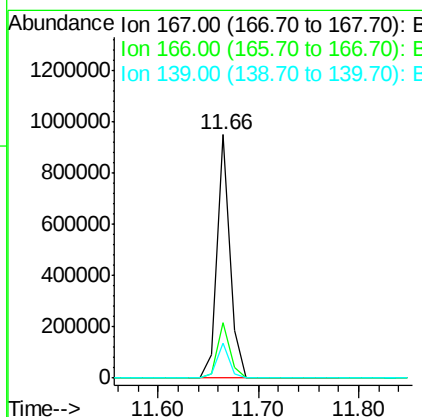
Manual Integrations
 APPROVED

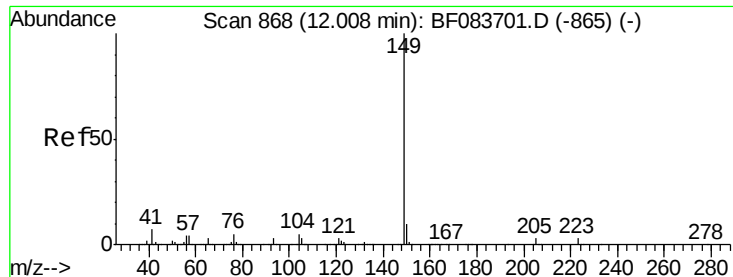
MMdadoda
 12/14/2015 6:22:29 PM



#72
 Carbazole
 Concen: 37.38 ng
 RT: 11.66 min Scan# 838
 Delta R.T. 0.00 min
 Lab File: BF083705.D
 Acq: 11 Dec 2015 18:33

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.2	25.8
139	14.6	9.3	13.9#





#73

Di-n-butylphthalate

Concen: 41.00 ng

RT: 12.01 min Scan# 868

Delta R.T. 0.00 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

Instrument :

BNA_F

ClientSampleId :

ICVBF121115

Tot Ion:149 Resp: 1012564

Ion Ratio Lower Upper

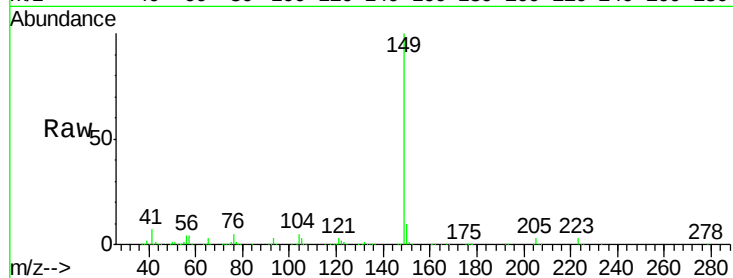
149 100

150 9.8 7.8 11.6

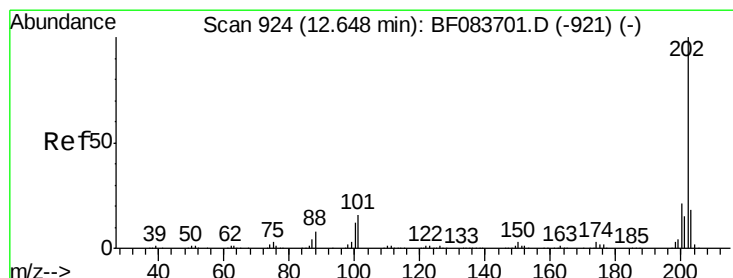
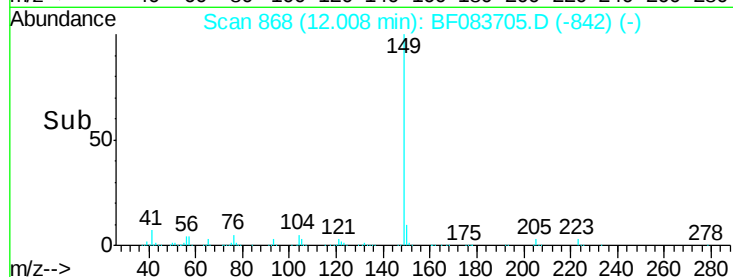
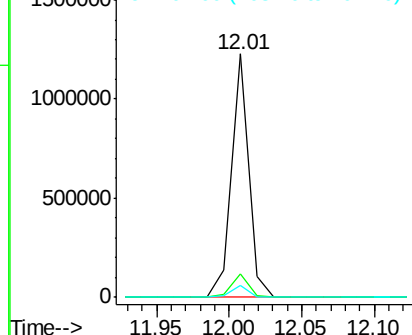
104 5.0 3.9 5.9

Manual Integrations
APPROVED

MMdadoda
12/14/2015 6:22:29 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



#74

Fluoranthene

Concen: 38.66 ng

RT: 12.65 min Scan# 924

Delta R.T. 0.00 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

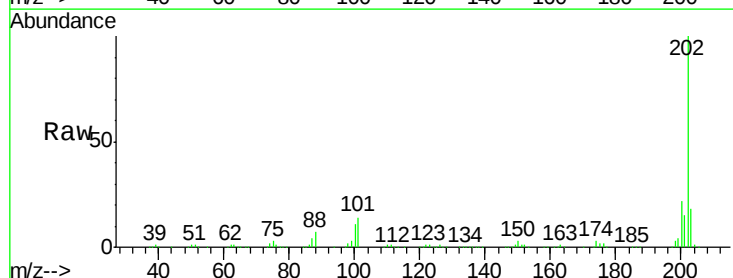
Tgt Ion:202 Resp: 967447

Ion Ratio Lower Upper

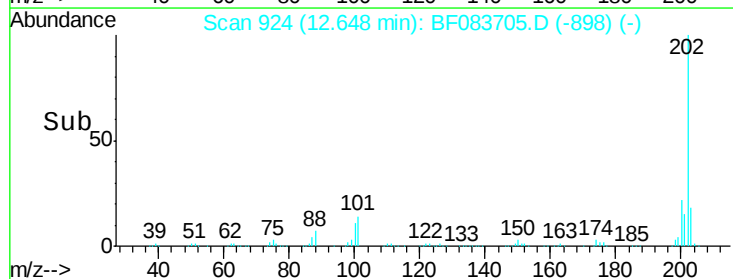
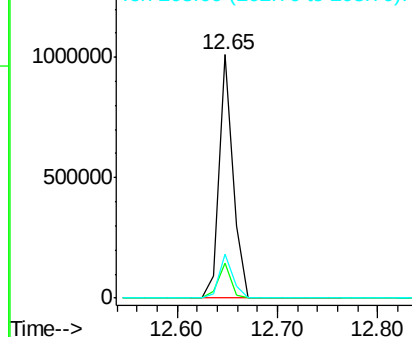
202 100

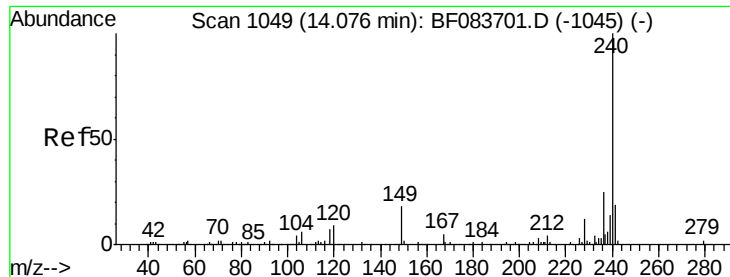
101 14.3 0.0 31.5

203 18.3 0.0 37.6



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.08 min Scan# 1049

Delta R.T. 0.00 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

Instrument :

BNA_F

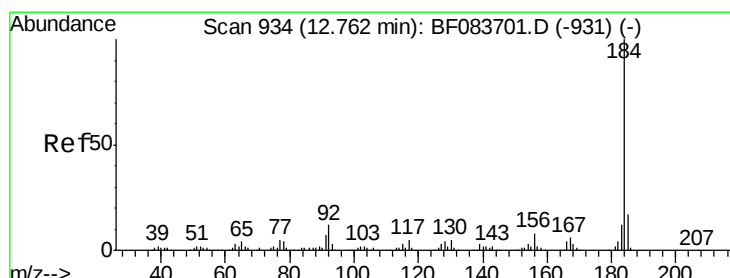
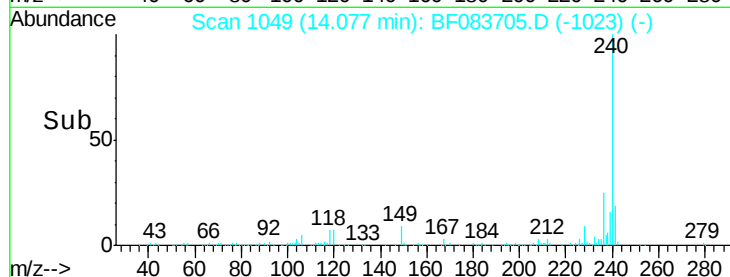
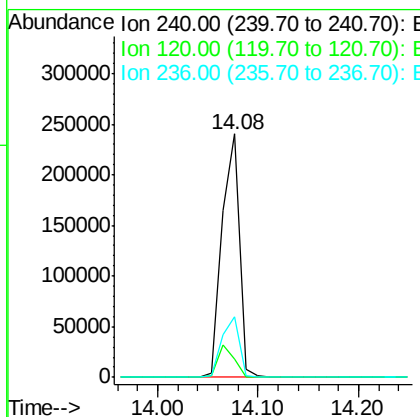
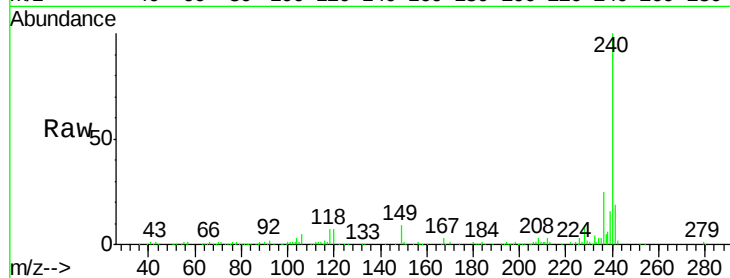
ClientSampleId :

ICVBF121115

Tot Ion	Ratio	Resp	Lower	Upper
240	100	288982		
120	7.4	8.1	12.1	#
236	25.1	20.8	31.2	

Manual Integrations
APPROVED

MMdadoda
12/14/2015 6:22:29 PM



#76

Benzidine

Concen: 44.30 ng

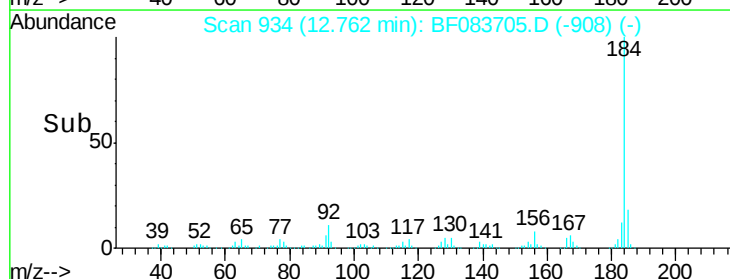
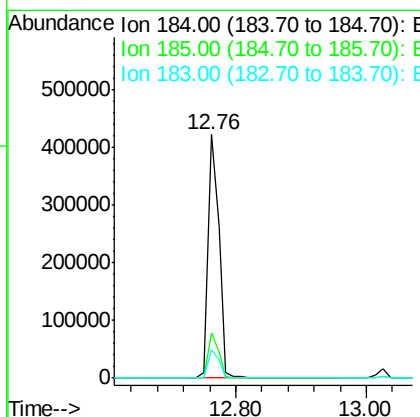
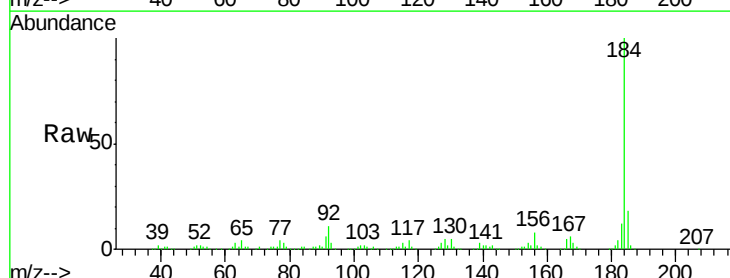
RT: 12.76 min Scan# 934

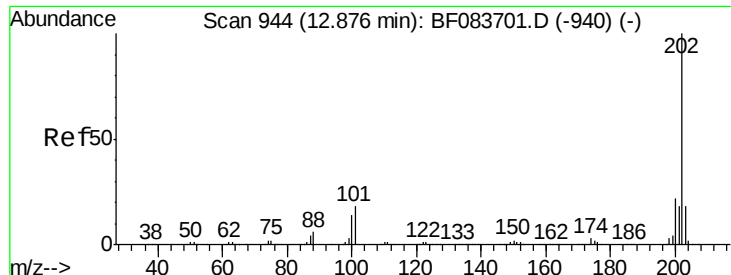
Delta R.T. 0.00 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	493573		
185	18.4	13.0	19.6	
183	12.0	9.0	13.4	





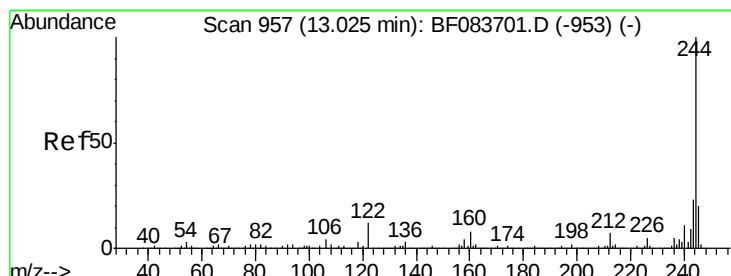
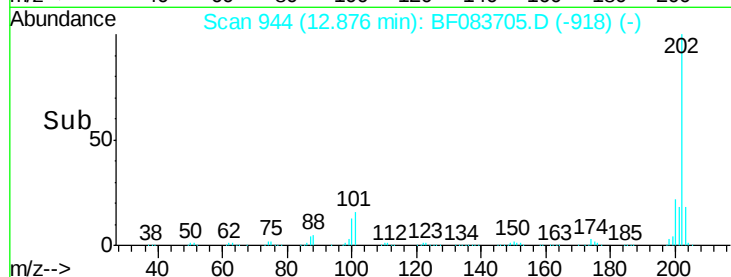
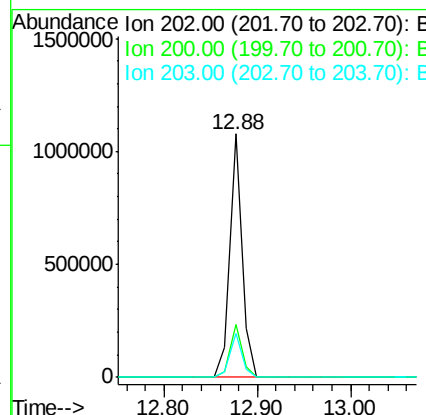
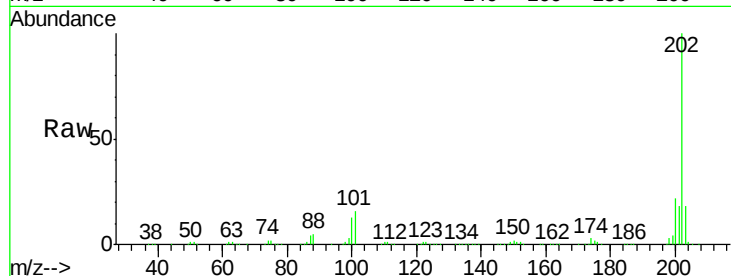
#77
Pvrene
Concen: 43.24 ng
RT: 12.88 min Scan# 944
Delta R.T. 0.00 min
Lab File: BF083705.D
Acq: 11 Dec 2015 18:33

Instrument :
BNA_F
ClientSampleId :
ICVBF121115

Tot Ion	Ratio	Resp	Lower	Upper
202	100	985290		
200	21.8		16.7	25.1
203	18.1		14.3	21.5

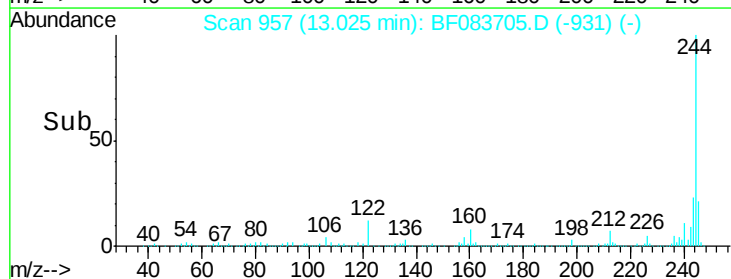
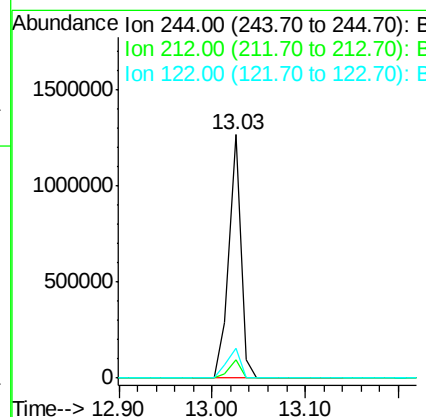
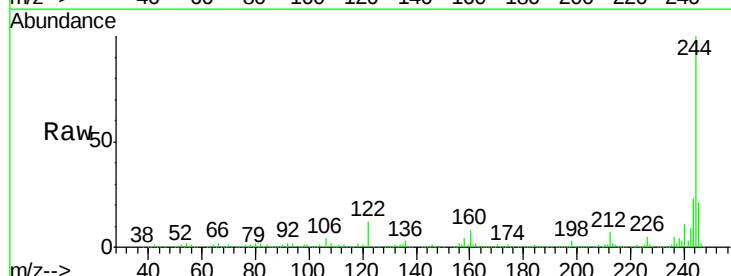
Manual Integrations
APPROVED

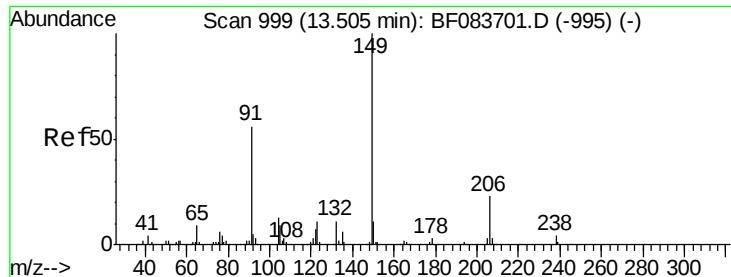
MMdadoda
12/14/2015 6:22:29 PM



#78
Terphenyl-d14
Concen: 88.46 ng
RT: 13.03 min Scan# 957
Delta R.T. 0.00 min
Lab File: BF083705.D
Acq: 11 Dec 2015 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	1138349		
212	7.4		6.1	9.1
122	12.1		11.0	16.6





#79

Butylbenzylphthalate

Concen: 46.93 ng

RT: 13.51 min Scan# 999

Delta R.T. 0.00 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

Instrument :

BNA_F

ClientSampleId :

ICVBF121115

Tot Ion:149 Resp: 342798

Ion Ratio Lower Upper

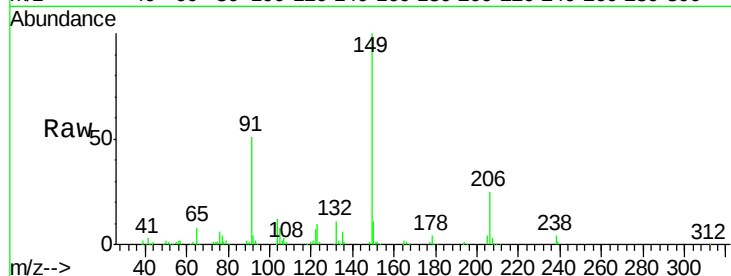
149 100

91 51.1 60.0 90.0#

206 24.7 16.2 24.4#

Manual Integrations
APPROVED

MMdadoda
12/14/2015 6:22:29 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

300000

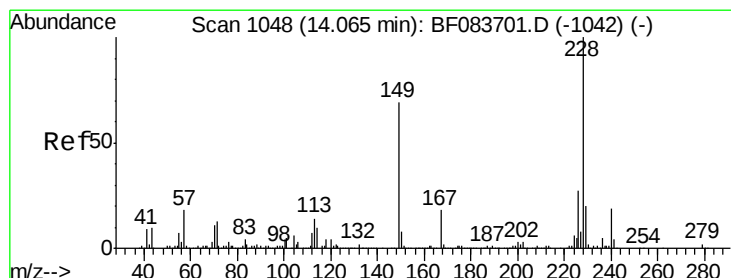
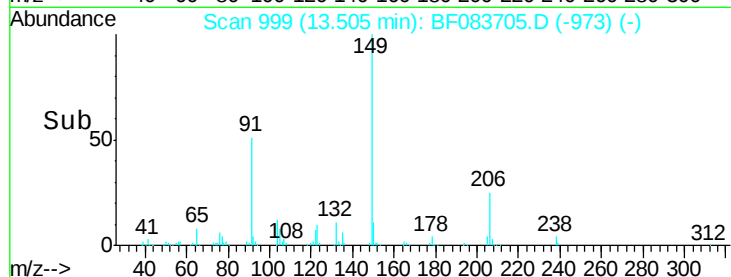
200000

100000

0

13.45 13.50 13.55

Time-->



#80

Benzo(a)anthracene

Concen: 43.81 ng

RT: 14.07 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

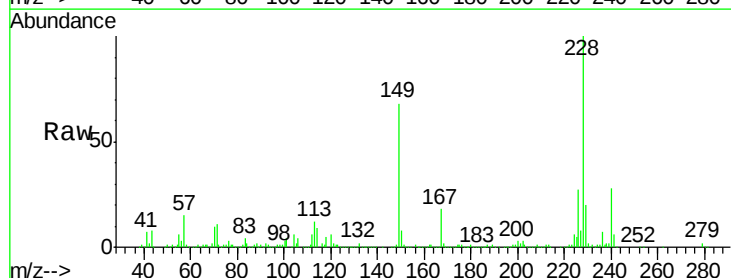
Tgt Ion:228 Resp: 741744

Ion Ratio Lower Upper

228 100

226 27.0 22.3 33.5

229 19.9 15.7 23.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

1000000

800000

600000

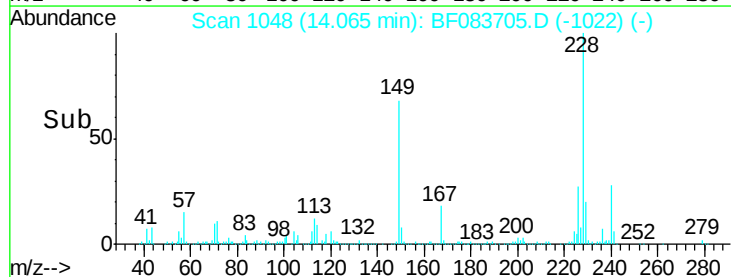
400000

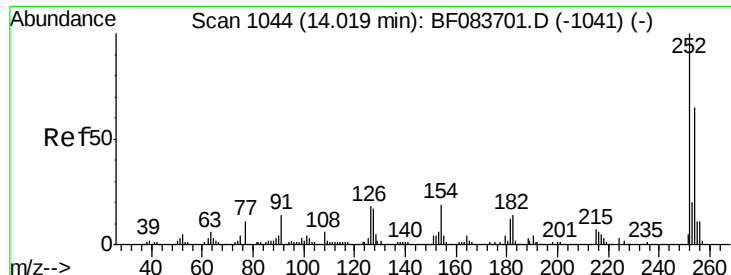
200000

0

14.00 14.05 14.10

Time-->





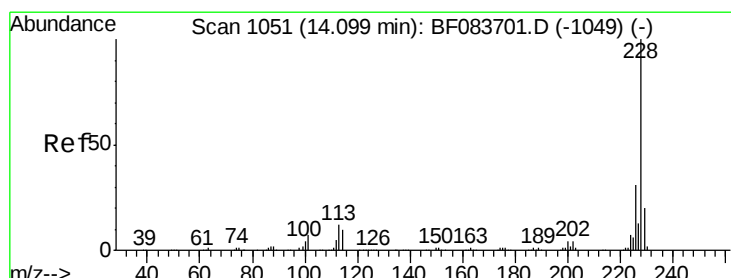
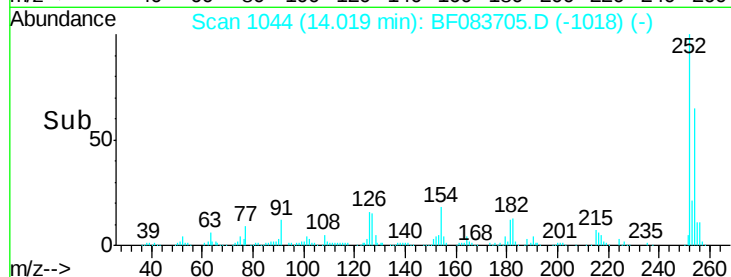
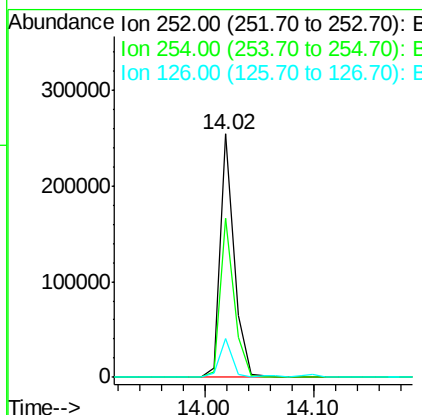
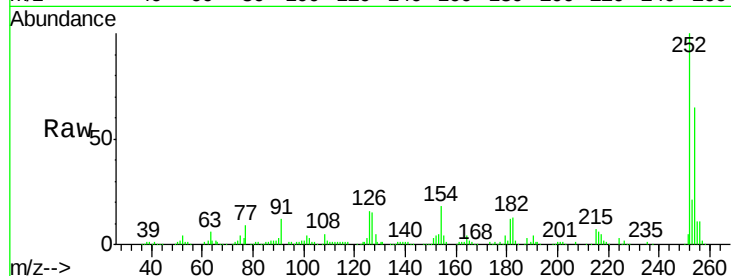
#81
 3,3'-Dichlorobenzidine
 Concen: 42.66 ng
 RT: 14.02 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: BF083705.D
 Acq: 11 Dec 2015 18:33

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF121115

Tot Ion	Ratio	Resp	Lower	Upper
252	100	229532		
254	65.2	50.6	76.0	
126	15.9	11.0	16.4	

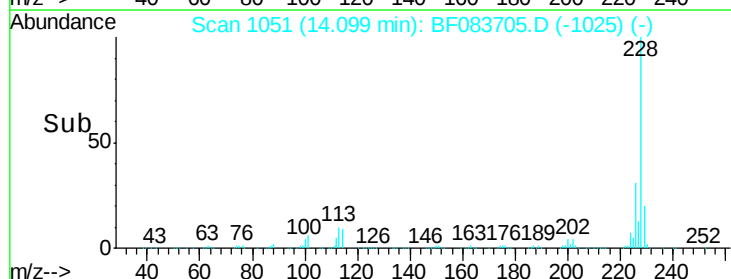
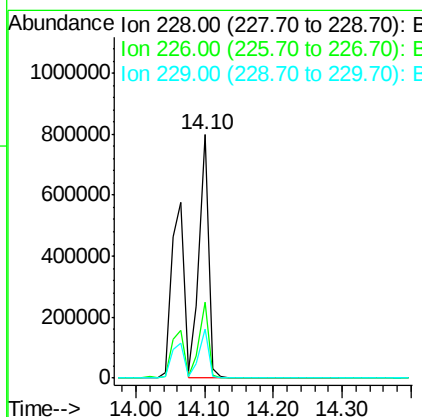
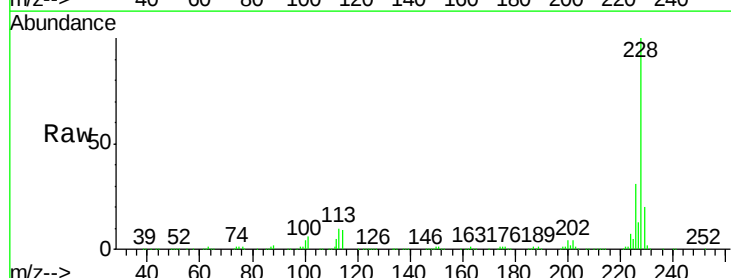
Manual Integrations
 APPROVED

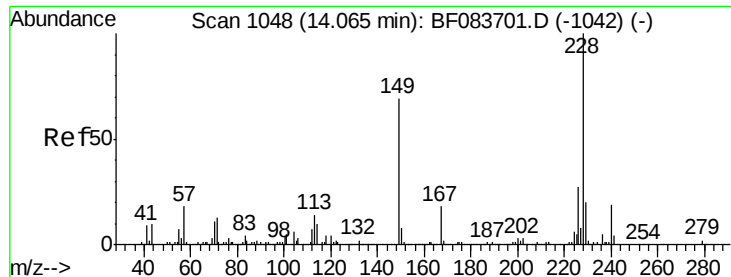
MMdadoda
 12/14/2015 6:22:29 PM



#82
 Chrysene
 Concen: 45.81 ng
 RT: 14.10 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: BF083705.D
 Acq: 11 Dec 2015 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	745810		
226	31.2	24.7	37.1	
229	20.1	16.3	24.5	





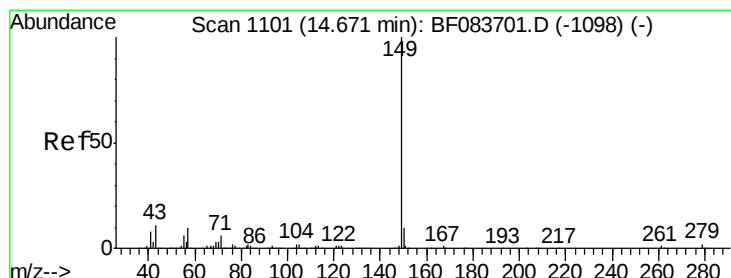
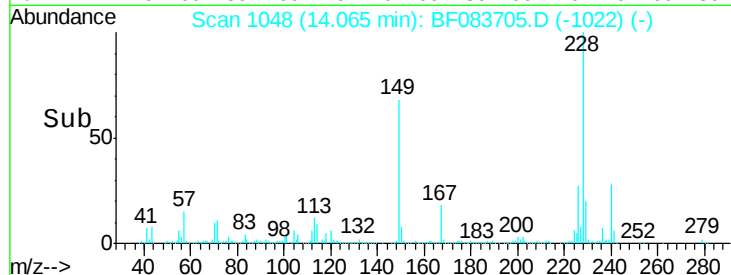
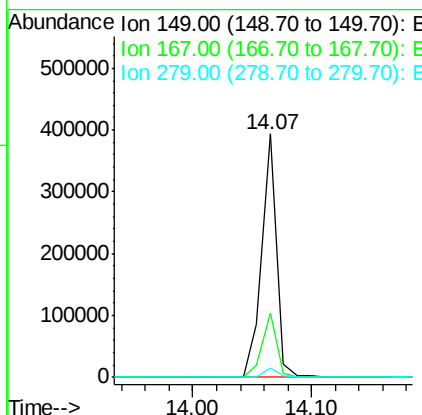
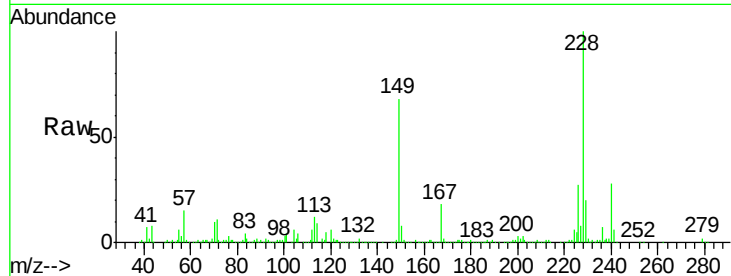
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 43.94 ng
 RT: 14.07 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: BF083705.D
 Acq: 11 Dec 2015 18:33

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF121115

Tot Ion	Ion	Ratio	Resp	Lower	Upper
347208	149	100			
	167	26.3		21.8	32.8
	279	3.6		3.0	4.4

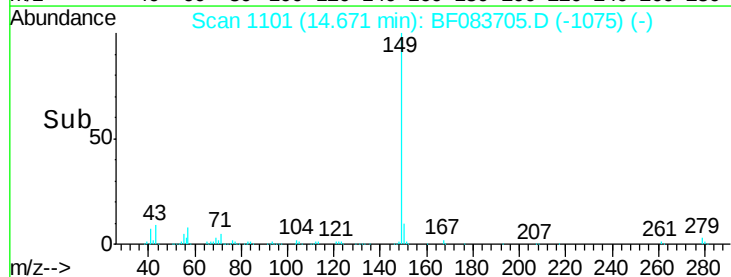
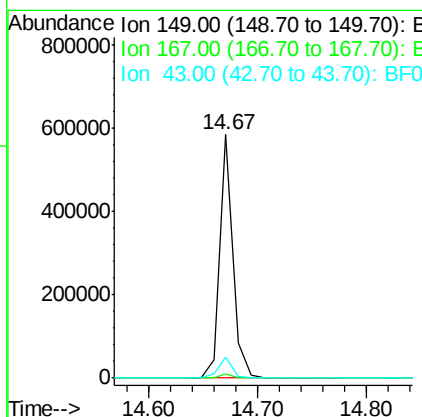
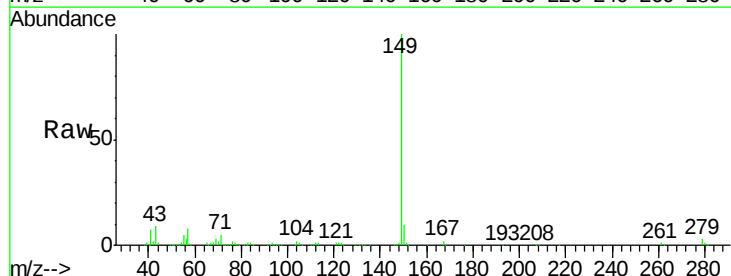
Manual Integrations
 APPROVED

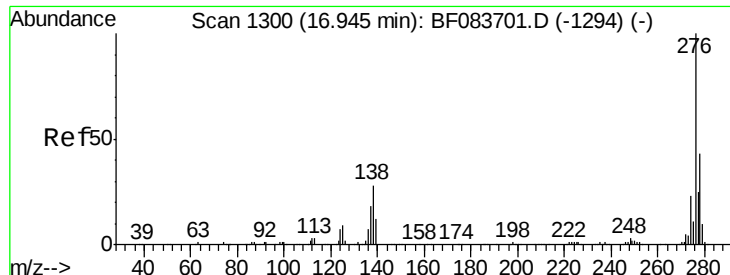
MMdadoda
 12/14/2015 6:22:29 PM



#84
 Di-n-octyl phthalate
 Concen: 41.61 ng
 RT: 14.67 min Scan# 1101
 Delta R.T. 0.00 min
 Lab File: BF083705.D
 Acq: 11 Dec 2015 18:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
496846	149	100			
	167	1.5		0.0	0.0#
	43	9.5		0.0	0.0#





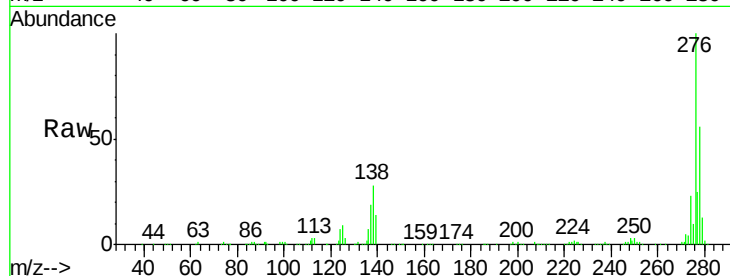
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 39.72 ng
 RT: 16.95 min Scan# 1300
 Delta R.T. 0.00 min
 Lab File: BF083705.D
 Acq: 11 Dec 2015 18:33

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF121115

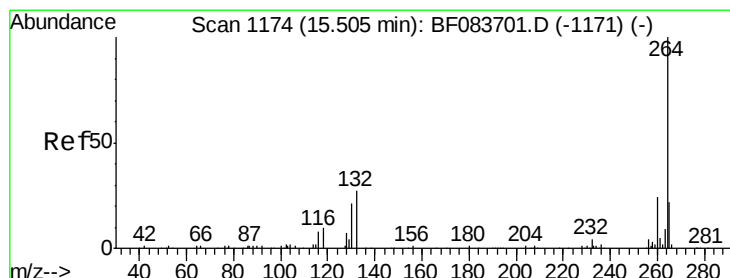
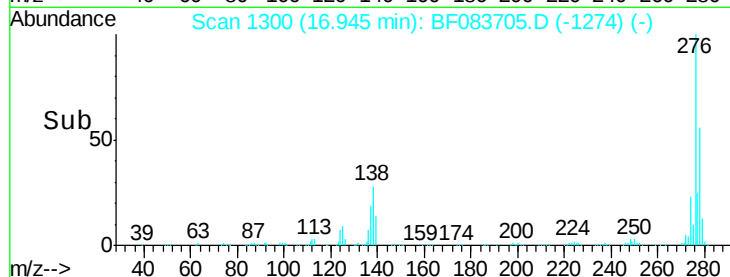
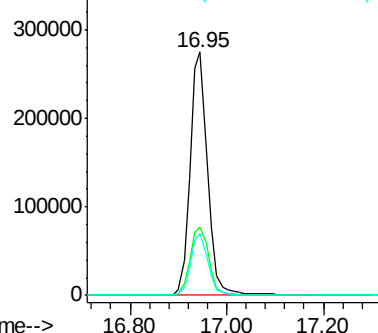
Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	30.6	0.0	0.0#
277	25.5	0.0	0.0#

Manual Integrations
 APPROVED

MMdadoda
 12/14/2015 6:22:29 PM

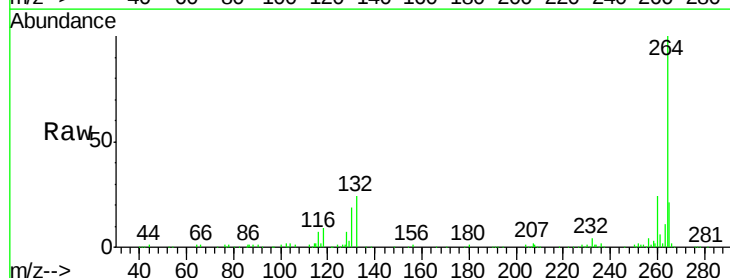


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

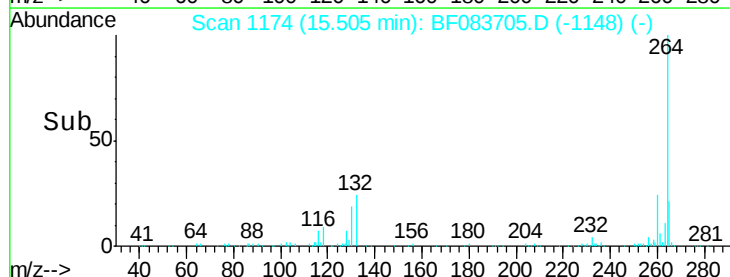
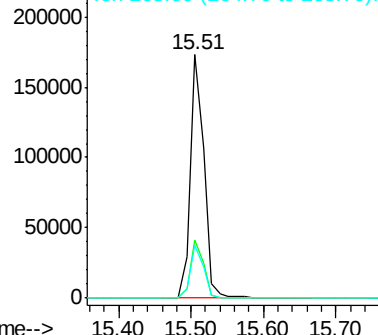


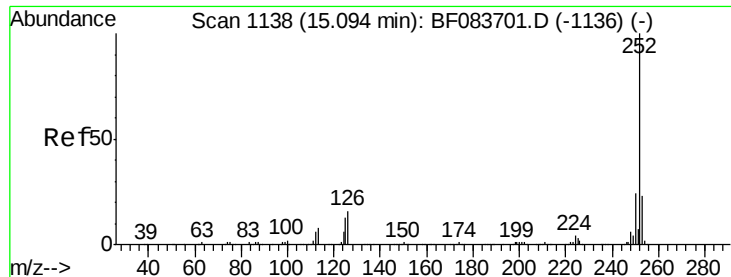
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.51 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: BF083705.D
 Acq: 11 Dec 2015 18:33

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	24.1	19.4	29.0
265	21.5	17.8	26.6



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 39.70 ng

RT: 15.09 min Scan# 1138

Delta R.T. 0.00 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

Instrument :

BNA_F

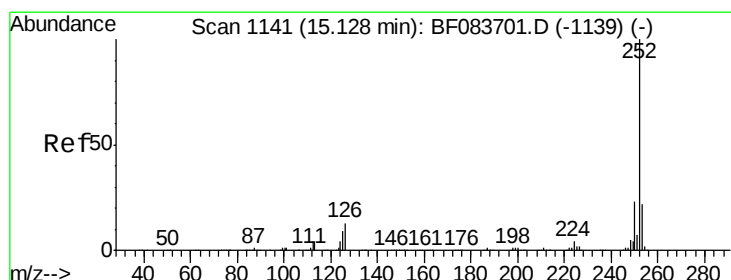
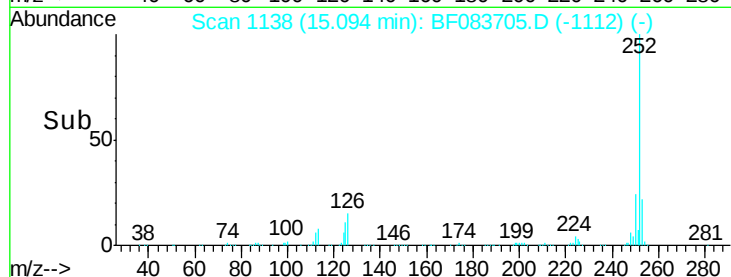
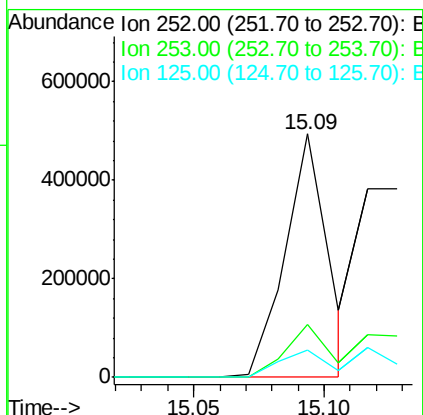
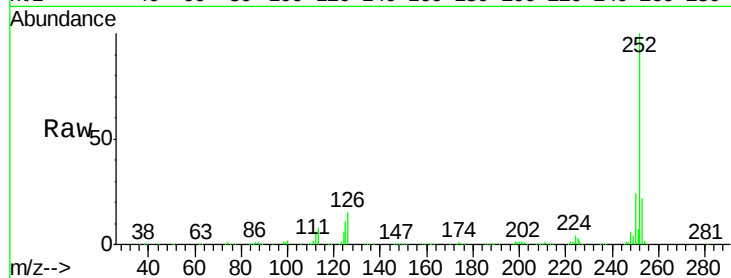
ClientSampleId :

ICVBF121115

Tot Ion:	252	Resp:	557333
Ion Ratio	Lower	Upper	
252	100		
253	21.9	18.2	27.4
125	11.4	8.2	12.4

Manual Integrations
APPROVED

MMdadoda
12/14/2015 6:22:29 PM



#88

Benzo(k)fluoranthene

Concen: 41.92 ng m

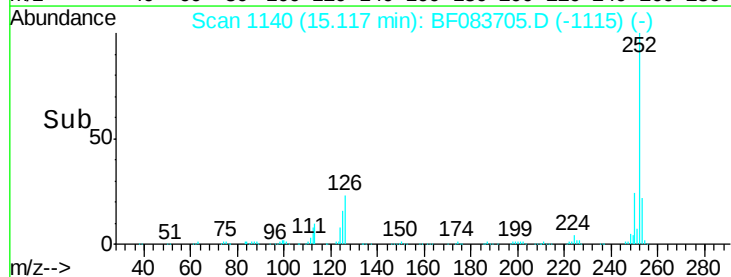
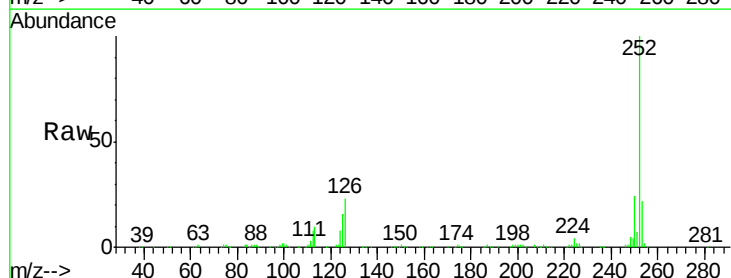
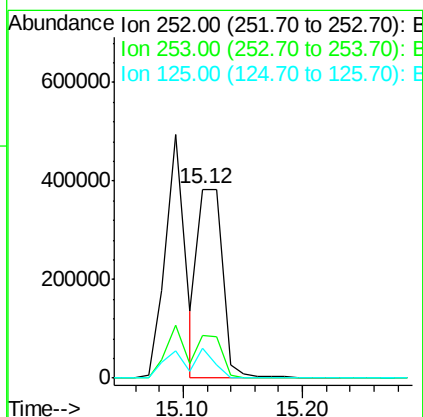
RT: 15.12 min Scan# 1140

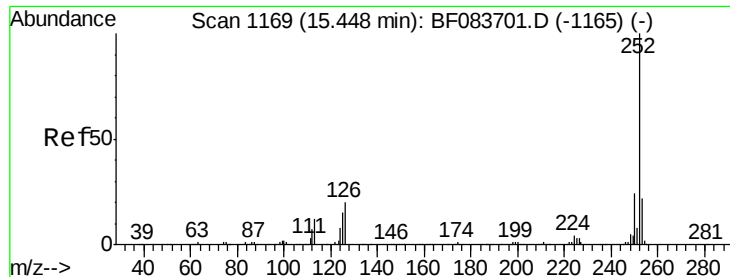
Delta R.T. -0.01 min

Lab File: BF083705.D

Acq: 11 Dec 2015 18:33

Tgt Ion:	252	Resp:	561143
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.6	27.8
125	15.8	11.5	17.3





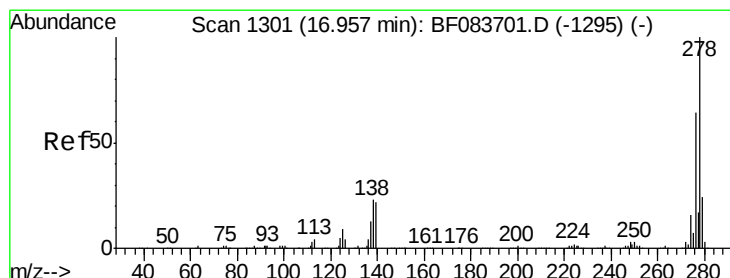
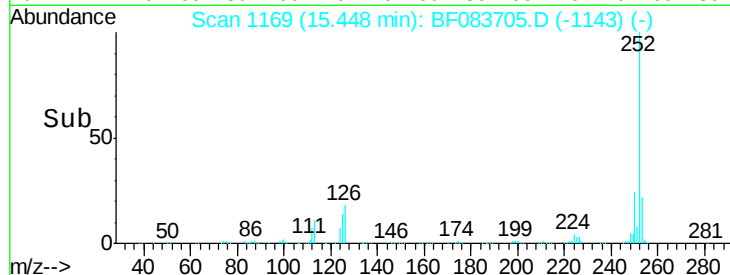
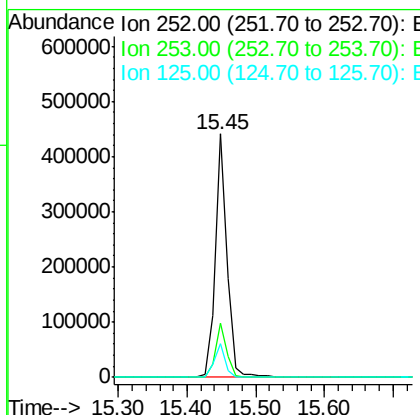
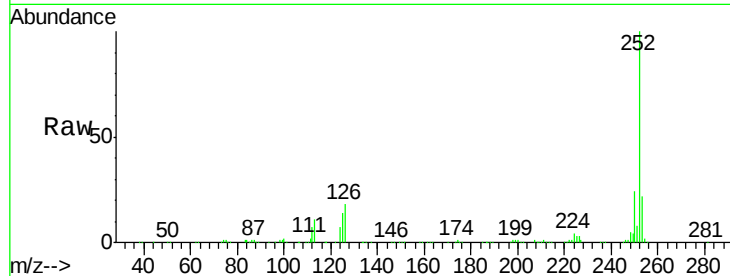
#89
Benzo(a)pyrene
Concen: 41.65 ng
RT: 15.45 min Scan# 1169
Delta R.T. 0.00 min
Lab File: BF083705.D
Acq: 11 Dec 2015 18:33

Instrument :
BNA_F
ClientSampleId :
ICVBF121115

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	13.9	11.0	16.6

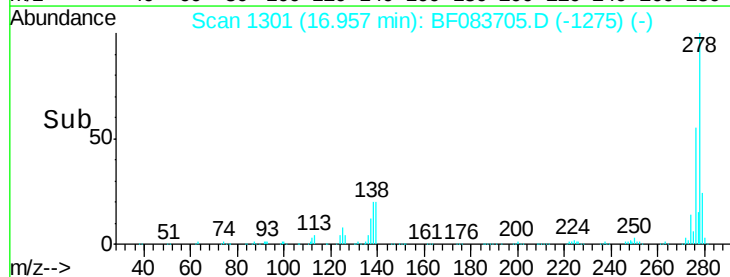
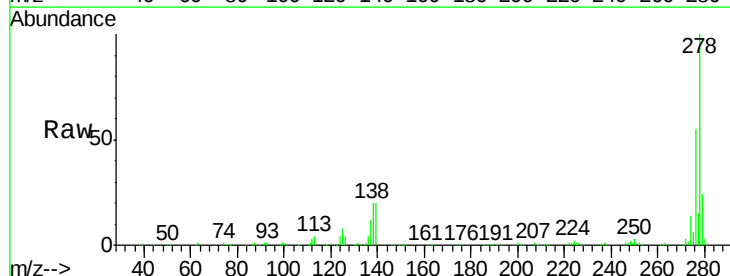
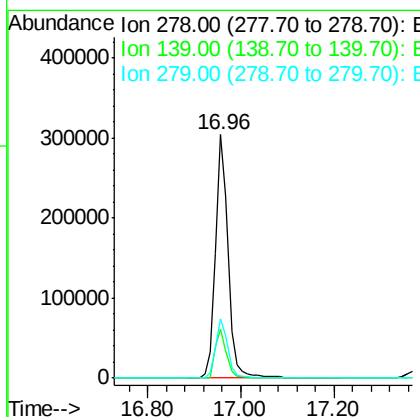
Manual Integrations
APPROVED

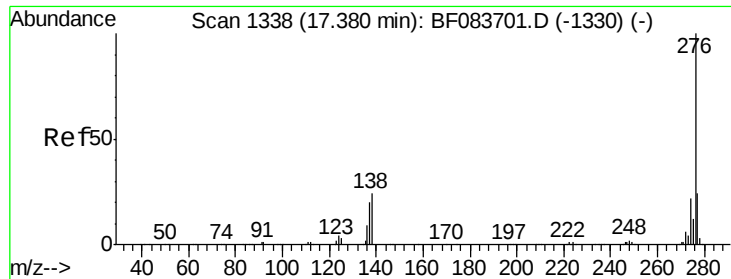
MMdadoda
12/14/2015 6:22:29 PM



#90
Dibenzo(a,h)anthracene
Concen: 45.57 ng
RT: 16.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF083705.D
Acq: 11 Dec 2015 18:33

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.1	12.8	19.2#
279	24.2	18.6	28.0





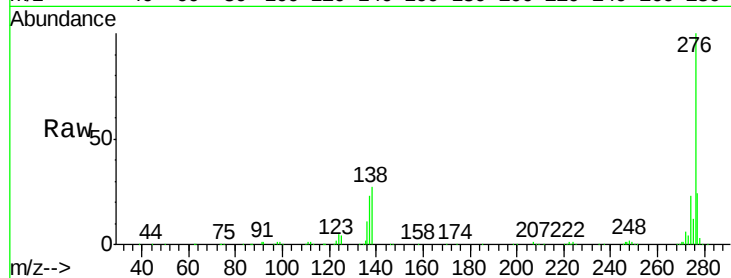
#91
 Benzo(a,h,i)perylene
 Concen: 45.68 ng
 RT: 17.37 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF083705.D
 Acq: 11 Dec 2015 18:33

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF121115

Tot Ion	Ratio	Resp	Lower	Upper
276	100	609130		
277	23.9		19.2	28.8
138	26.9		19.5	29.3

Manual Integrations
 APPROVED

MMdadoda
 12/14/2015 6:22:29 PM



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

