

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102215\
 Data File : BF082452.D
 Acq On : 22 Oct 2015 18:37
 Operator : UM/IZ
 Sample : PB86210BSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB86210BSD

Manual Integrations
 APPROVED

mmdadoda
 10/23/2015 4:45:15 PM

Quant Time: Oct 23 02:11:06 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 23 01:26:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	105652	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	417463	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	215110	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	438099	20.00	ng	0.00
75) Chrysene-d12	13.99	240	404734	20.00	ng	-0.01
86) Perylene-d12	15.51	264	325392	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.37	112	412880	78.87	ng	0.01
7) Phenol-d6	6.41	99	516703	75.85	ng	-0.01
23) Nitrobenzene-d5	7.34	82	470797	75.73	ng	-0.01
41) 2,4,6-Tribromophenol	10.61	330	132122	65.49	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	915594	70.59	ng	-0.01
78) Terphenyl-d14	12.89	244	1102137	72.16	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.38	88	75772	28.81	ng	96
3) Pyridine	3.06	79	185758	30.37	ng	99
4) n-Nitrosodimethylamine	3.03	42	84168	32.44	ng	91
6) Aniline	6.42	93	129710	14.77	ng	# 16
8) 2-Chlorophenol	6.55	128	230228	36.03	ng	88
9) Benzaldehyde	6.31	77	90595	26.04	ng	93
10) Phenol	6.43	94	264263	33.65	ng	90
11) bis(2-Chloroethyl)ether	6.50	93	210549	31.70	ng	99
12) 1,3-Dichlorobenzene	6.70	146	255232	34.29	ng	99
13) 1,4-Dichlorobenzene	6.78	146	270735	34.83	ng	99
14) 1,2-Dichlorobenzene	6.93	146	234956	31.84	ng	98
15) Benzyl Alcohol	6.91	79	177667	37.78	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.05	45	308072	33.31	ng	77
17) 2-Methylphenol	7.04	107	185264	36.66	ng	# 93
18) Hexachloroethane	7.27	117	90612	34.06	ng	96
19) n-Nitroso-di-n-propylamine	7.19	70	166803	34.87	ng	96
20) 3+4-Methylphenols	7.20	107	241904	40.17	ng	# 58
22) Acetophenone	7.18	105	308876	37.40	ng	# 89
24) Nitrobenzene	7.35	77	215358	32.01	ng	100
25) Isophorone	7.59	82	424980	33.87	ng	98
26) 2-Nitrophenol	7.67	139	120422	35.84	ng	# 87
27) 2,4-Dimethylphenol	7.73	122	197966	36.57	ng	94
28) bis(2-Chloroethoxy)methane	7.81	93	257365	35.25	ng	98
29) 2,4-Dichlorophenol	7.92	162	217253	40.15	ng	98
30) 1,2,4-Trichlorobenzene	7.99	180	209701	33.62	ng	99
31) Naphthalene	8.07	128	623010	34.43	ng	100
32) Benzoic acid	7.86	122	129136	35.55	ng	97
33) 4-Chloroaniline	8.14	127	78728	10.48	ng	94
34) Hexachlorobutadiene	8.18	225	119799	30.83	ng	98
35) Caprolactam	8.51	113	62968	40.10	ng	# 79
36) 4-Chloro-3-methylphenol	8.63	107	207083	39.13	ng	97
37) 2-Methylnaphthalene	8.77	142	467508	37.27	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.94	216	223655	34.96	ng	98
40) Hexachlorocyclopentadiene	8.91	237	138872	46.75	ng	98

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102215\
 Data File : BF082452.D
 Acq On : 22 Oct 2015 18:37
 Operator : UM/IZ
 Sample : PB86210BSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB86210BSD

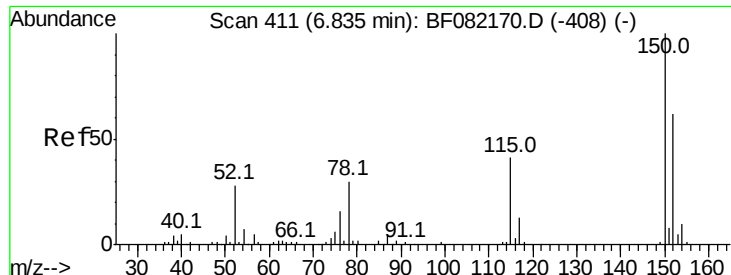
Manual Integrations
 APPROVED

mmdadoda
 10/23/2015 4:45:15 PM

Quant Time: Oct 23 02:11:06 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 23 01:26:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.05	196	142955	33.64	nq	97
43) 2,4,5-Trichlorophenol	9.10	196	160243	34.81	nq #	88
45) 1,1'-Biphenyl	9.23	154	599911	36.57	nq	97
46) 2-Chloronaphthalene	9.26	162	453963	35.16	nq	95
47) 2-Nitroaniline	9.36	65	129991	36.67	nq	99
48) Acenaphthylene	9.67	152	701876	34.89	nq	99
49) Dimethylphthalate	9.54	163	573656	37.87	nq	99
50) 2,6-Dinitrotoluene	9.61	165	132691	41.52	nq #	85
51) Acenaphthene	9.84	154	408924	33.86	nq	99
52) 3-Nitroaniline	9.78	138	52270	14.48	nq	97
53) 2,4-Dinitrophenol	9.89	184	90916	53.23	nq #	72
54) Dibenzofuran	10.02	168	633753	38.23	nq	93
55) 4-Nitrophenol	9.97	139	136222	60.51	nq	91
56) 2,4-Dinitrotoluene	10.01	165	159830	40.01	nq #	87
57) Fluorene	10.35	166	511824	37.59	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.14	232	126105	33.53	nq	98
59) Diethylphthalate	10.24	149	554393	39.26	nq	99
60) 4-Chlorophenyl-phenylether	10.35	204	255714	41.00	nq	89
61) 4-Nitroaniline	10.40	138	129560	37.00	nq	99
62) Azobenzene	10.51	77	552087	39.95	nq	93
64) 4,6-Dinitro-2-methylphenol	10.42	198	86494	35.18	nq	86
65) n-Nitrosodiphenylamine	10.48	169	488253	37.22	nq	99
66) 4-Bromophenyl-phenylether	10.85	248	154403	35.22	nq #	87
67) Hexachlorobenzene	10.90	284	153574	32.39	nq #	69
68) Atrazine	11.01	200	149835	36.06	nq	99
69) Pentachlorophenol	11.11	266	143530	58.82	nq	98
70) Phenanthrene	11.33	178	863386	40.21	nq	100
71) Anthracene	11.37	178	807141	36.48	nq	99
72) Carbazole	11.53	167	728514	36.09	nq	99
73) Di-n-butylphthalate	11.86	149	886648	35.61	nq	100
74) Fluoranthene	12.51	202	920100	39.89	nq	98
76) Benzidine	12.64	184	264634	22.56	nq	98
77) Pyrene	12.74	202	928261	38.65	nq	100
79) Butylbenzylphthalate	13.38	149	422934	38.58	nq #	84
80) Benzo(a)anthracene	13.98	228	749940	35.61	nq	100
81) 3,3'-Dichlorobenzidine	13.94	252	134329	16.81	nq #	98
82) Chrysene	14.02	228	750722	33.83	nq	99
83) Bis(2-ethylhexyl)phthalate	13.97	149	538349	34.42	nq #	97
84) Di-n-octyl phthalate	14.65	149	947276	35.27	nq	99
85) Indeno(1,2,3-cd)pyrene	16.90	276	558872	31.69	nq	98
87) Benzo(b)fluoranthene	15.10	252	640213m	32.34	nq	
88) Benzo(k)fluoranthene	15.13	252	713908m	42.90	nq	
89) Benzo(a)pyrene	15.45	252	628100	36.92	nq	97
90) Dibenzo(a,h)anthracene	16.92	278	471020	33.78	nq	98
91) Benzo(g,h,i)perylene	17.33	276	454647	33.57	nq	99

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



#1

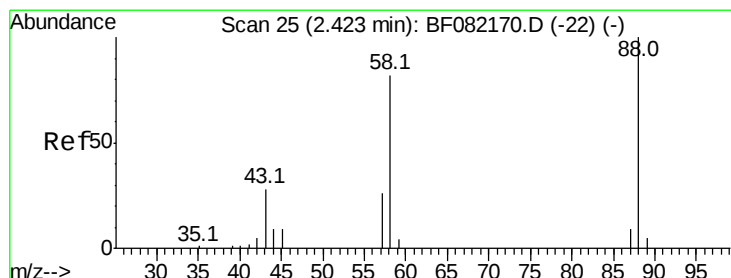
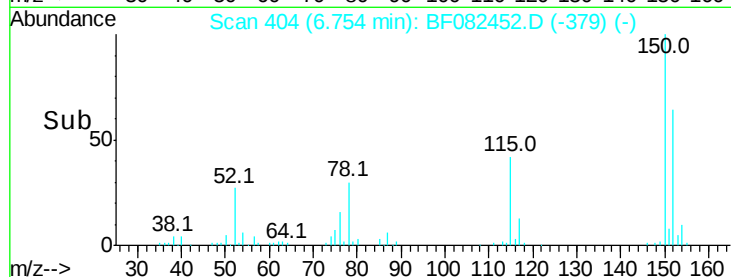
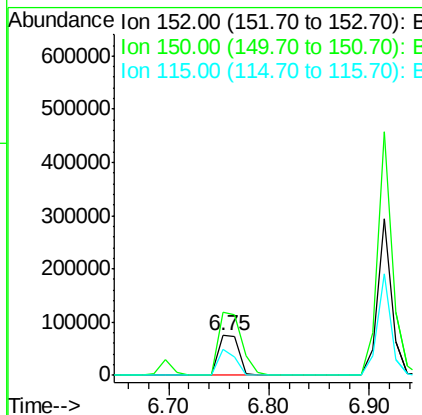
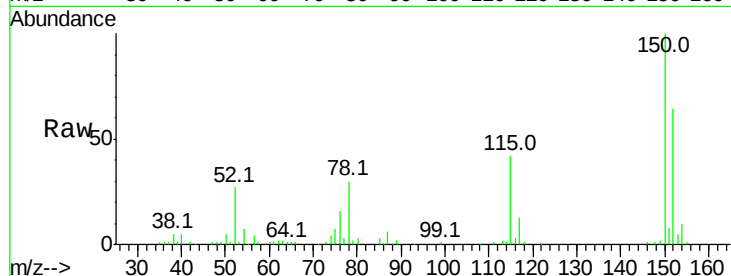
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 404
Delta R.T. -0.01 min
Lab File: BF082452.D
Acq: 22 Oct 2015 18:37

Instrument :
BNA_F
ClientSampleId :
PB86210BSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	129.0	193.4
115	65.6	52.1	78.1

Manual Integrations
APPROVED

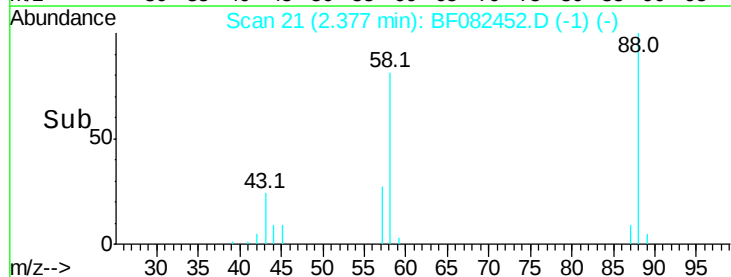
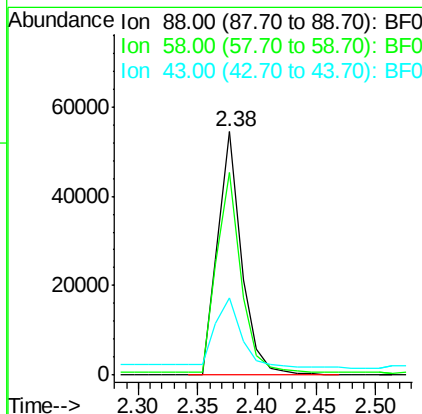
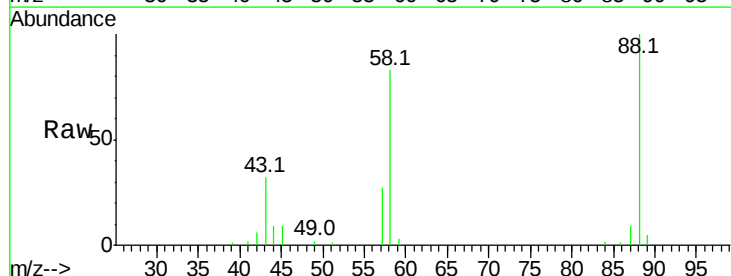
mmdadoda
10/23/2015 4:45:15 PM

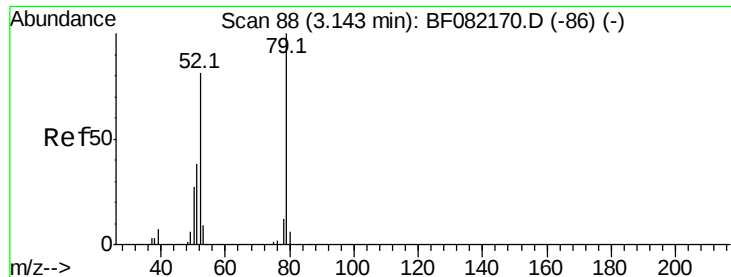


#2

1,4-Dioxane
Concen: 28.81 ng
RT: 2.38 min Scan# 21
Delta R.T. 0.10 min
Lab File: BF082452.D
Acq: 22 Oct 2015 18:37

Tgt Ion	Ratio	Lower	Upper
88	100		
58	85.6	66.2	99.4
43	32.3	23.0	34.4





#3

Pvridine

Concen: 30.37 ng

RT: 3.06 min Scan# 81

Delta R.T. 0.09 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Instrument :

BNA_F

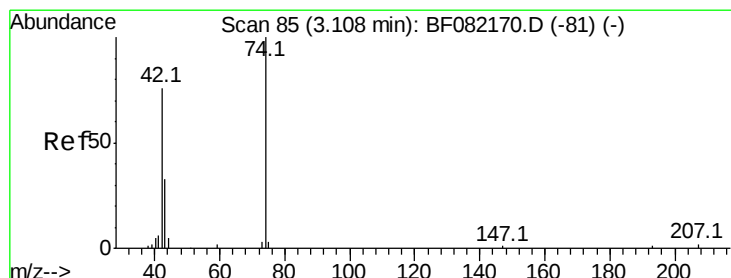
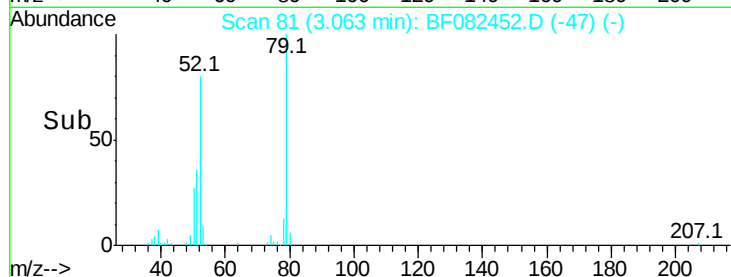
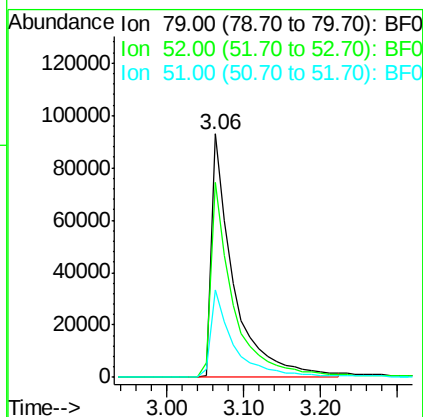
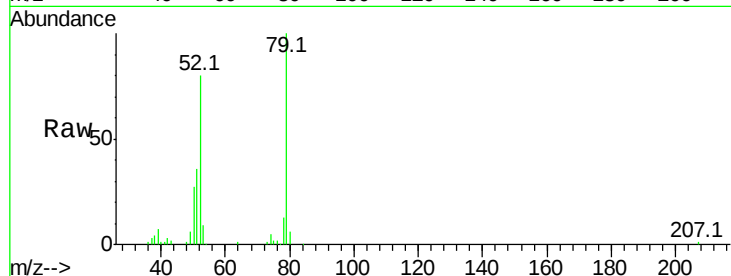
ClientSampleId :

PB86210BSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100		185758		
52	80.2	64.4	96.6		
51	36.1	30.5	45.7		

Manual Integrations
APPROVED

mmdadoda
10/23/2015 4:45:15 PM



#4

n-Nitrosodimethylamine

Concen: 32.44 ng

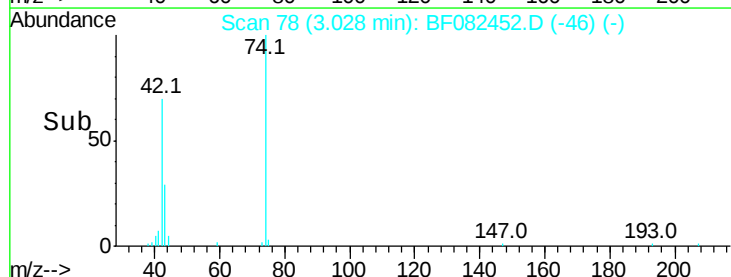
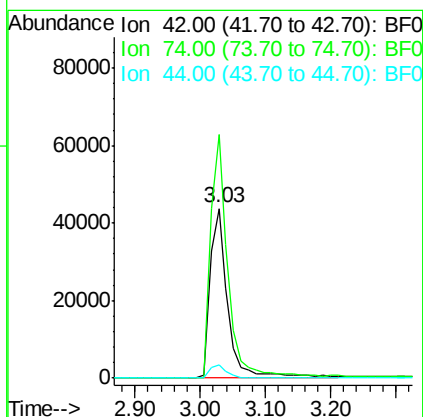
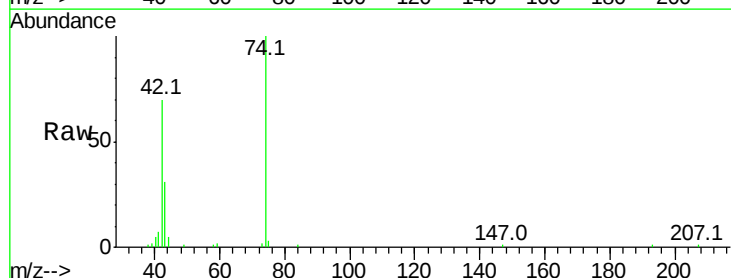
RT: 3.03 min Scan# 78

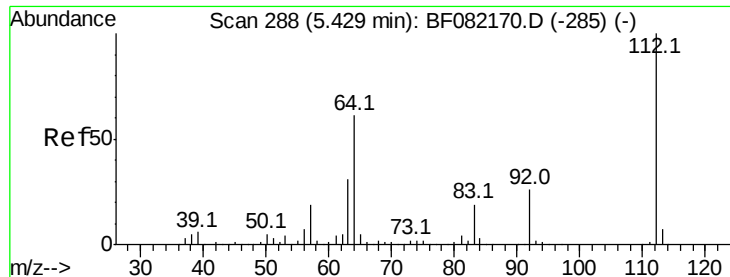
Delta R.T. 0.07 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100		84168		
74	143.2	105.7	158.5		
44	7.7	5.4	8.2		





#5

2-Fluorophenol

Concen: 78.87 ng

RT: 5.37 min Scan# 283

Delta R.T. 0.01 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Instrument :

BNA_F

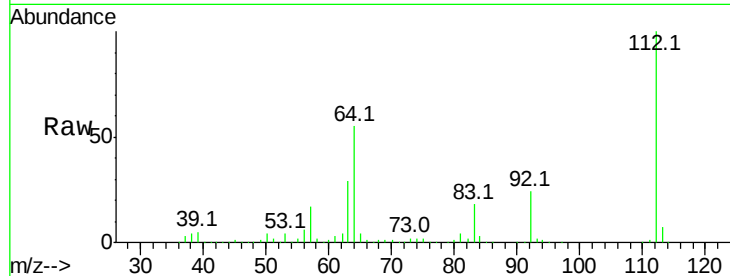
ClientSampleId :

PB86210BSD

Tot Ion:	112	Resp:	412880
Ion Ratio	Lower	Upper	
112	100		
64	55.1	48.6	73.0
63	29.3	25.1	37.7

Manual Integrations
APPROVED

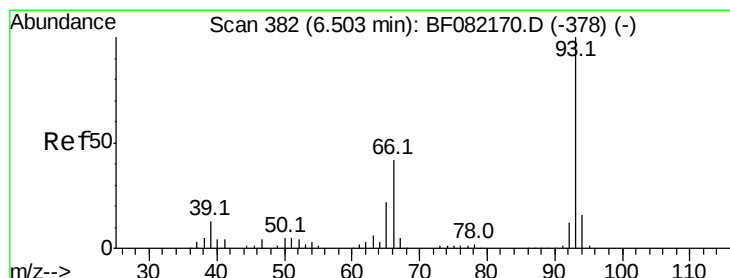
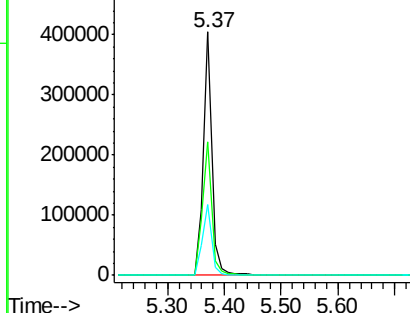
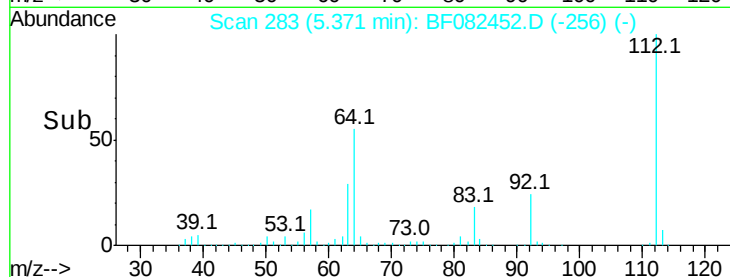
mmdadoda
10/23/2015 4:45:15 PM



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 14.77 ng

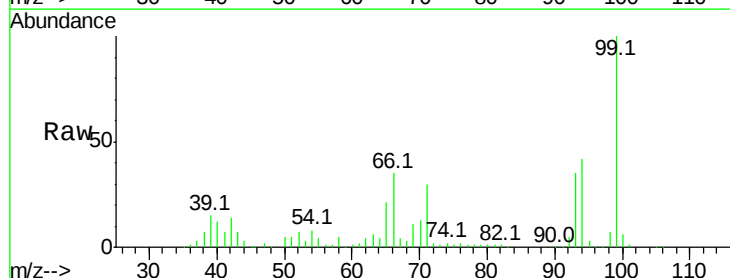
RT: 6.42 min Scan# 375

Delta R.T. -0.01 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

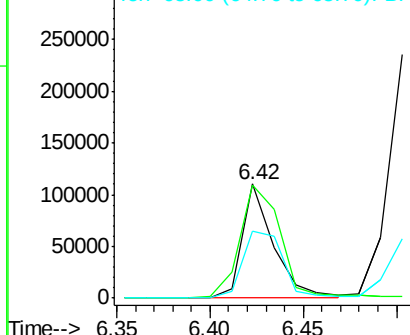
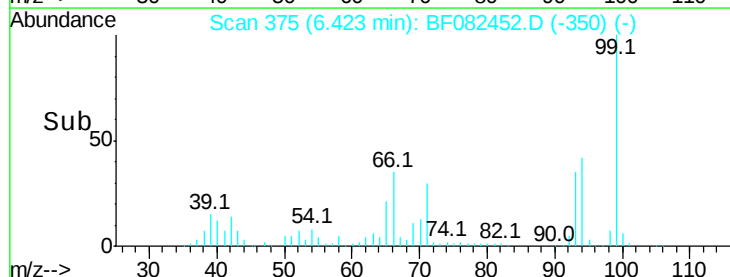
Tgt Ion:	93	Resp:	129710
Ion Ratio	Lower	Upper	
93	100		
66	99.1	34.2	51.2#
65	59.0	17.9	26.9#

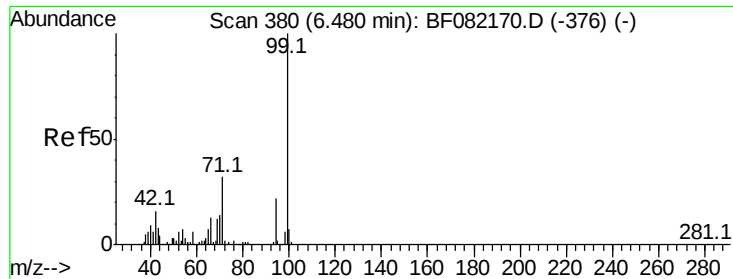


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 75.85 ng

RT: 6.41 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Instrument :

BNA_F

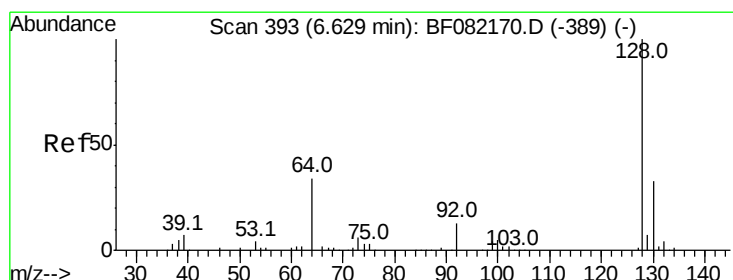
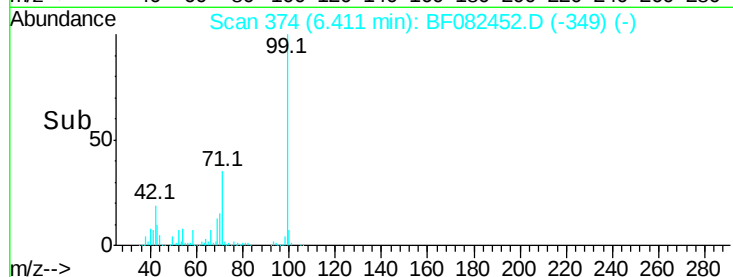
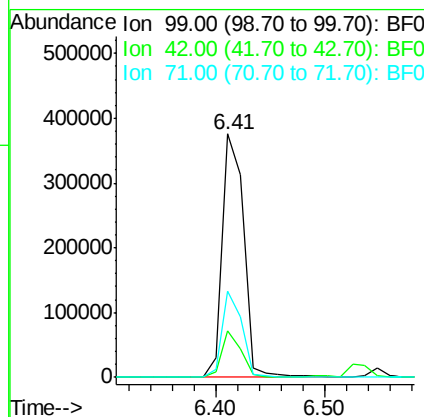
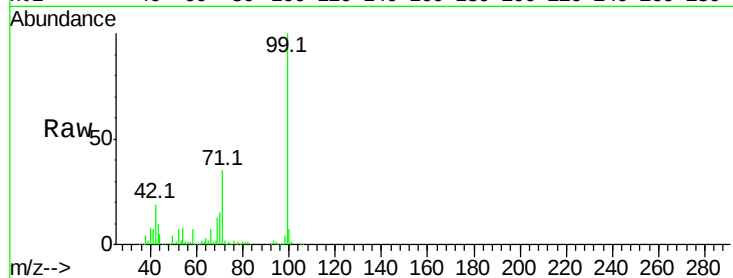
ClientSampleId :

PB86210BSD

Tot Ion:	99	Resp:	516703
Ion Ratio	Lower	Upper	
99	100		
42	18.9	13.2	19.8
71	35.4	25.6	38.4

Manual Integrations
APPROVED

mmdadoda
10/23/2015 4:45:15 PM



#8

2-Chlorophenol

Concen: 36.03 ng

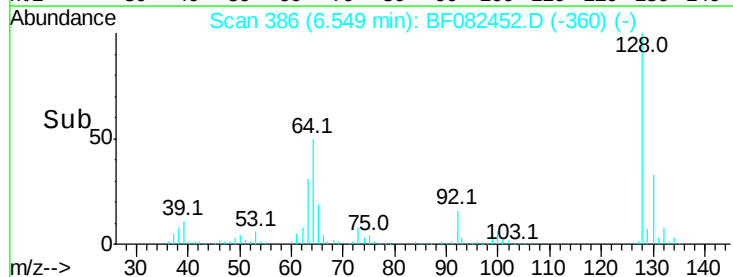
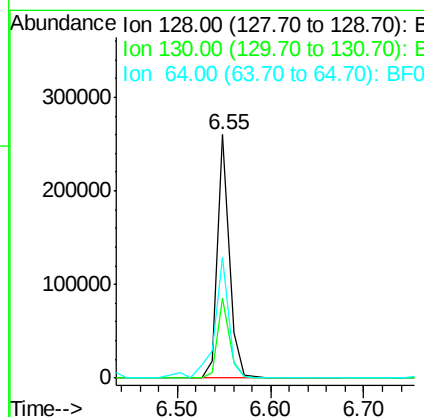
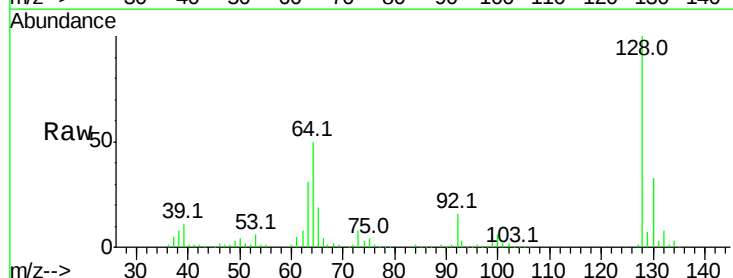
RT: 6.55 min Scan# 386

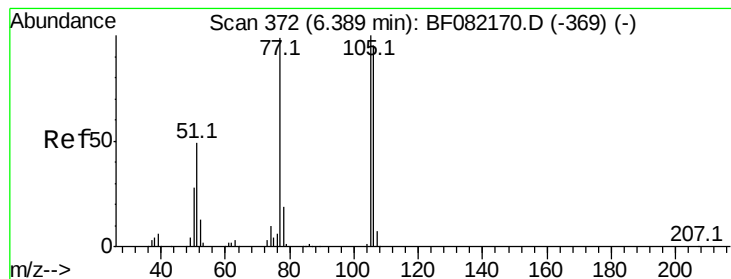
Delta R.T. -0.00 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Tgt Ion:	128	Resp:	230228
Ion Ratio	Lower	Upper	
128	100		
130	32.5	12.6	52.6
64	49.8	16.7	56.7





#9

Benzaldehyde

Concen: 26.04 ng

RT: 6.31 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Instrument :

BNA_F

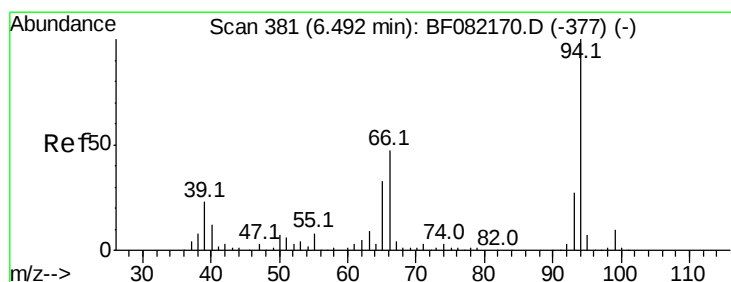
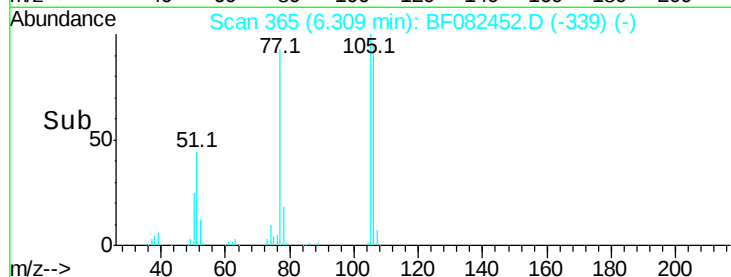
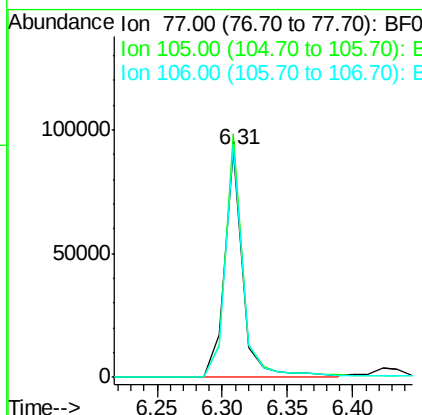
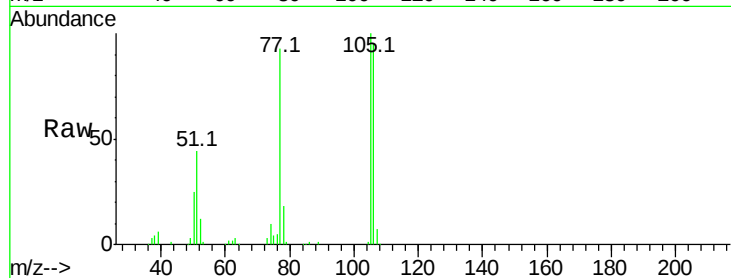
ClientSampleId :

PB86210BSD

Manual Integrations
APPROVED

mmdadoda
10/23/2015 4:45:15 PM

Tot Ion:	77	Resp:	90595
Ion	Ratio	Lower	Upper
77	100		
105	107.1	80.6	120.6
106	101.9	75.5	115.5



#10

Phenol

Concen: 33.65 ng

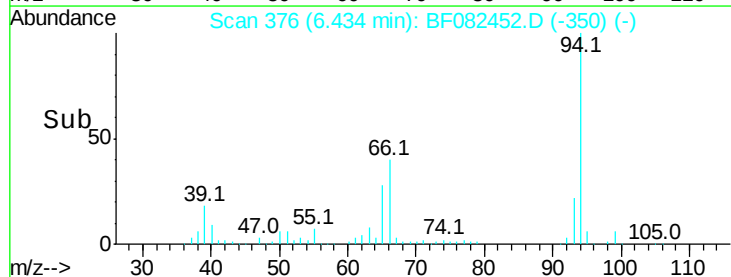
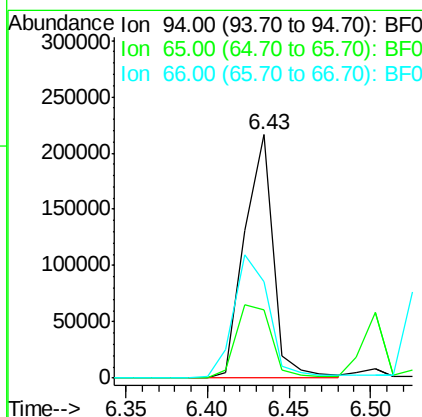
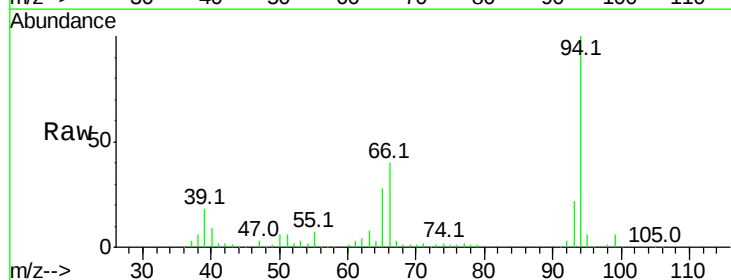
RT: 6.43 min Scan# 376

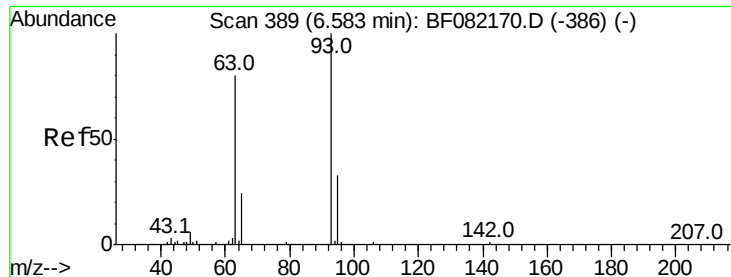
Delta R.T. -0.00 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Tgt Ion:	94	Resp:	264263
Ion	Ratio	Lower	Upper
94	100		
65	27.8	12.6	52.6
66	39.6	27.3	67.3





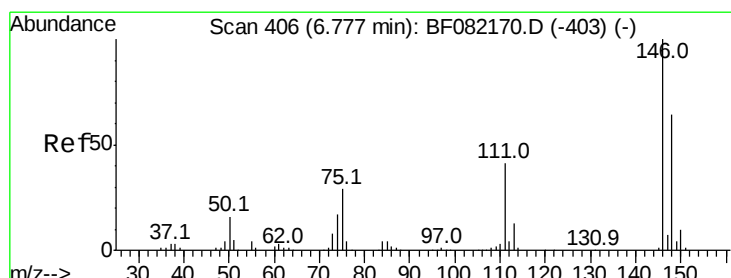
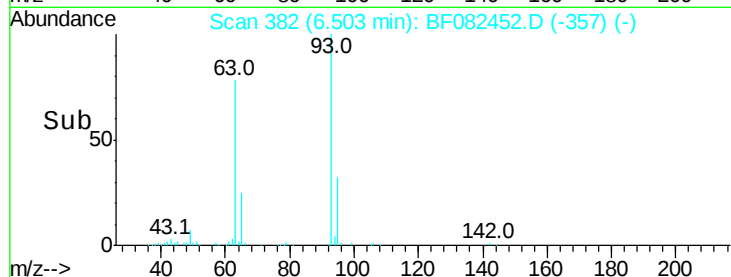
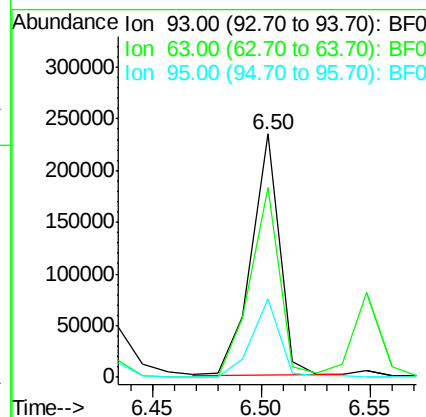
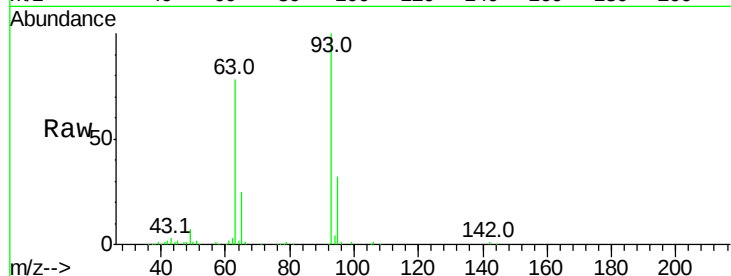
#11
bis(2-Chloroethyl)ether
Concen: 31.70 ng
RT: 6.50 min Scan# 382
Delta R.T. -0.01 min
Lab File: BF082452.D
Acq: 22 Oct 2015 18:37

Instrument :
BNA_F
ClientSampleId :
PB86210BSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	78.0	57.1	97.1
95	32.4	11.9	51.9

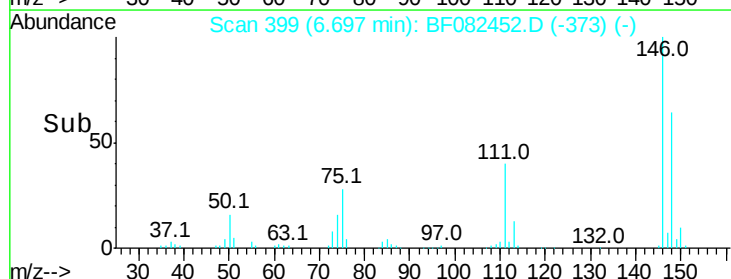
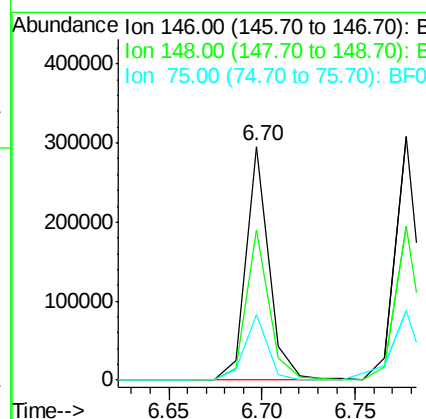
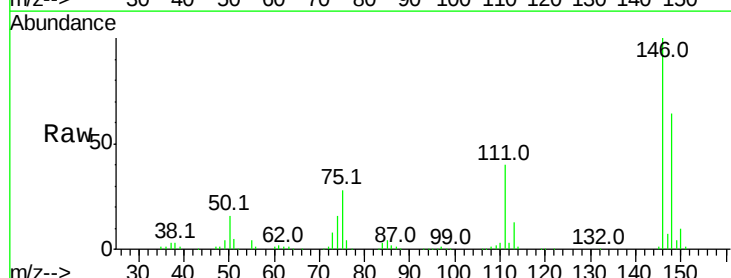
Manual Integrations
APPROVED

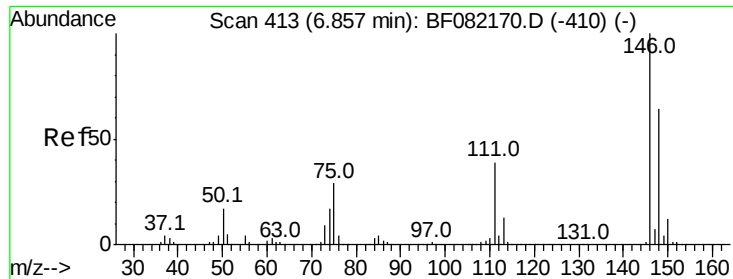
mmdadoda
10/23/2015 4:45:15 PM



#12
1,3-Dichlorobenzene
Concen: 34.29 ng
RT: 6.70 min Scan# 399
Delta R.T. -0.00 min
Lab File: BF082452.D
Acq: 22 Oct 2015 18:37

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.4	77.2
75	28.0	23.0	34.6





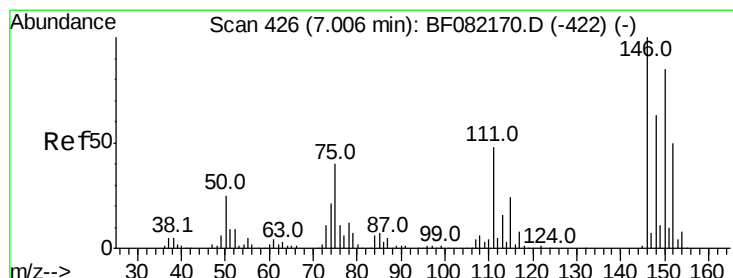
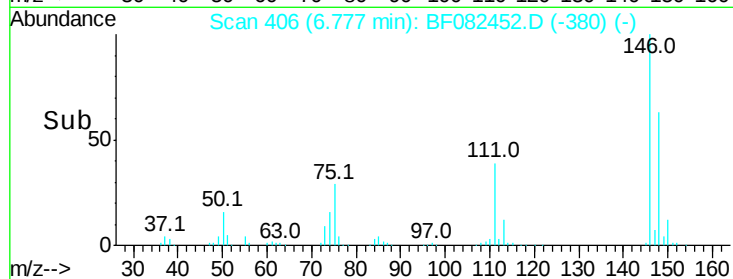
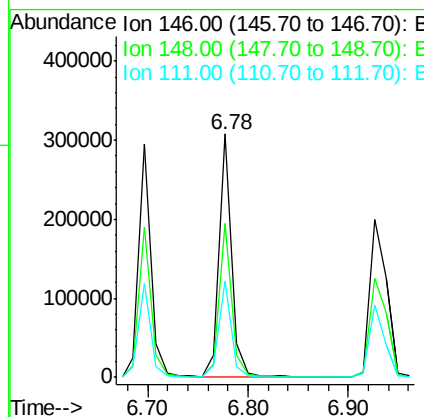
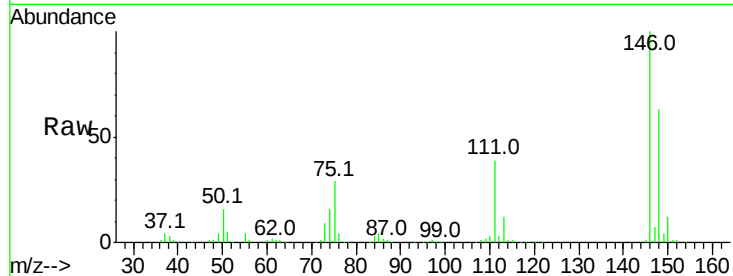
#13
 1,4-Dichlorobenzene
 Concen: 34.83 ng
 RT: 6.78 min Scan# 406
 Delta R.T. -0.00 min
 Lab File: BF082452.D
 Acq: 22 Oct 2015 18:37

Instrument :
 BNA_F
 ClientSampleId :
 PB86210BSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	270735		
148	63.3		51.0	76.4
111	39.5		31.1	46.7

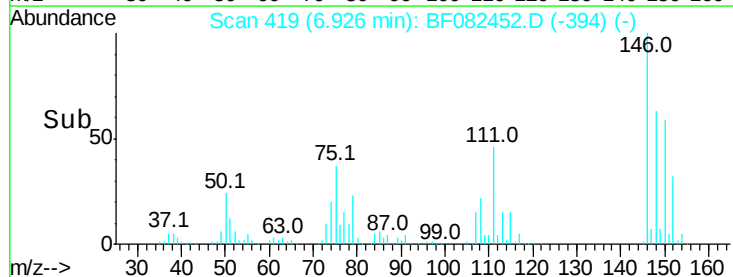
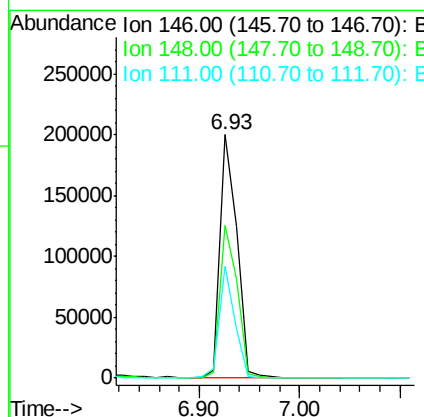
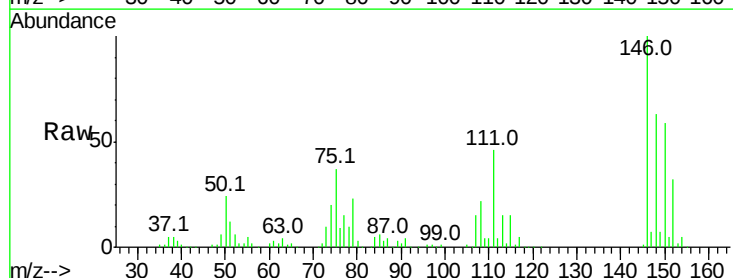
Manual Integrations
 APPROVED

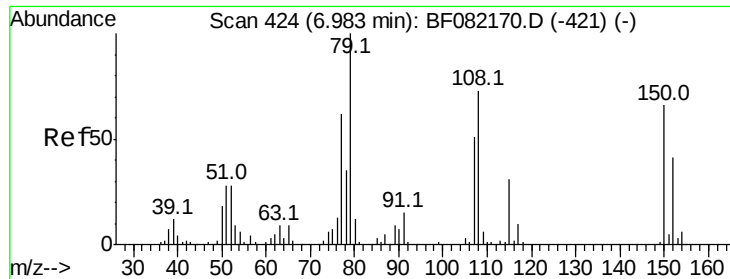
mmdadoda
 10/23/2015 4:45:15 PM



#14
 1,2-Dichlorobenzene
 Concen: 31.84 ng
 RT: 6.93 min Scan# 419
 Delta R.T. -0.01 min
 Lab File: BF082452.D
 Acq: 22 Oct 2015 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	234956		
148	62.7		50.5	75.7
111	45.8		38.5	57.7





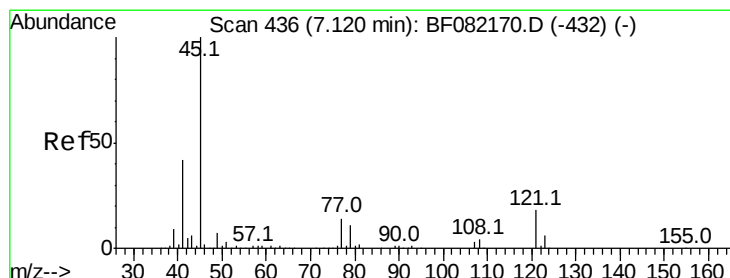
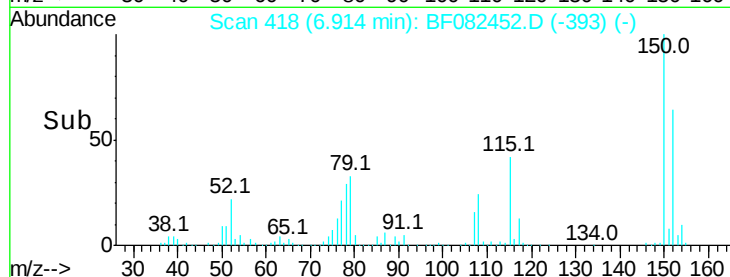
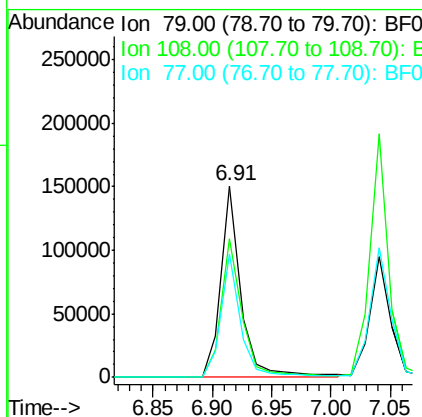
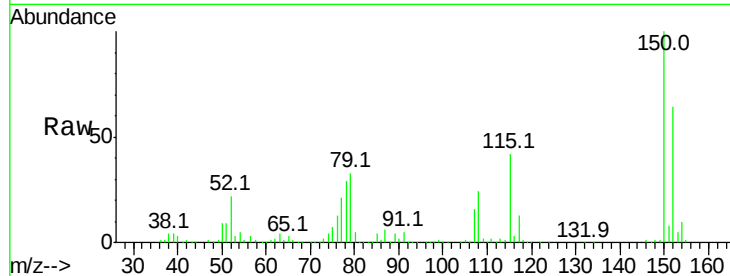
#15
Benzvl Alcohol
Concen: 37.78 ng
RT: 6.91 min Scan# 418
Delta R.T. -0.01 min
Lab File: BF082452.D
Acq: 22 Oct 2015 18:37

Instrument :
BNA_F
ClientSampleId :
PB86210BSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	72.5	58.4	87.6
77	64.0	49.8	74.6

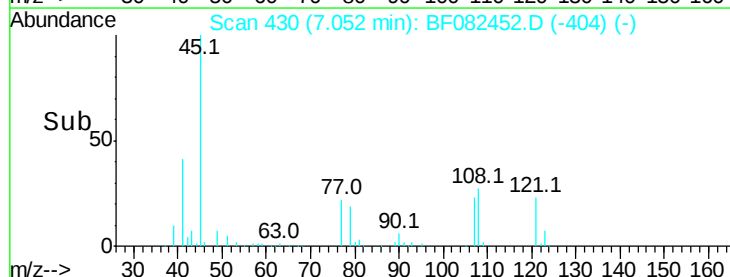
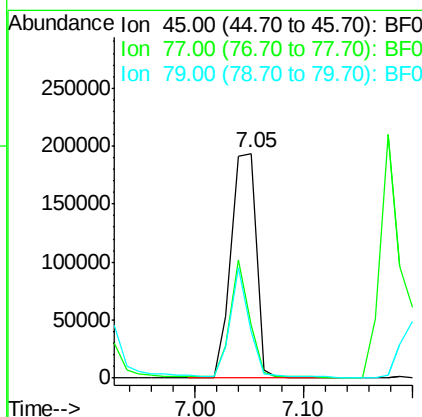
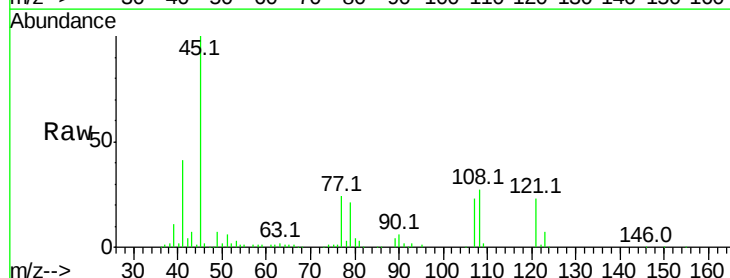
Manual Integrations
APPROVED

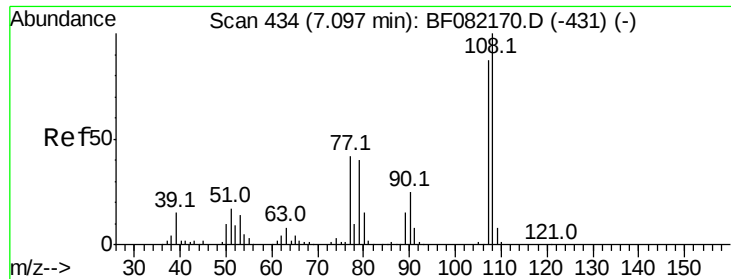
mmdadoda
10/23/2015 4:45:15 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 33.31 ng
RT: 7.05 min Scan# 430
Delta R.T. -0.00 min
Lab File: BF082452.D
Acq: 22 Oct 2015 18:37

Tgt Ion	Ratio	Lower	Upper
45	100		
77	23.8	0.0	34.5
79	20.6	0.0	31.6





#17

2-Methylphenol

Concen: 36.66 ng

RT: 7.04 min Scan# 429

Delta R.T. -0.00 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Instrument :

BNA_F

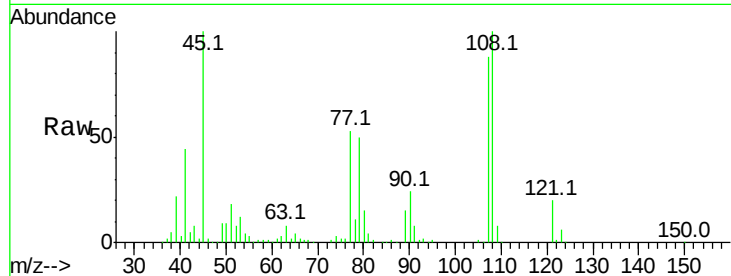
ClientSampleId :

PB86210BSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.5	92.2	138.2	
77	60.3	39.6	59.4	
79	56.5	38.2	57.4	

Manual Integrations
APPROVED

mmdadoda
10/23/2015 4:45:15 PM

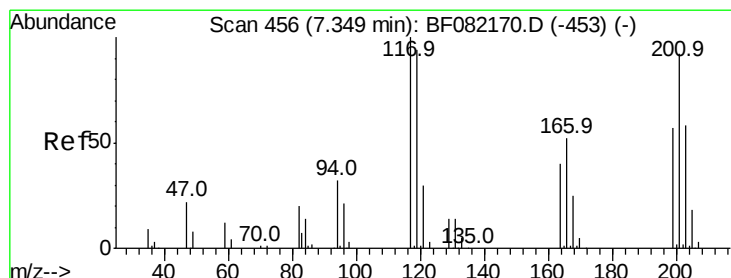
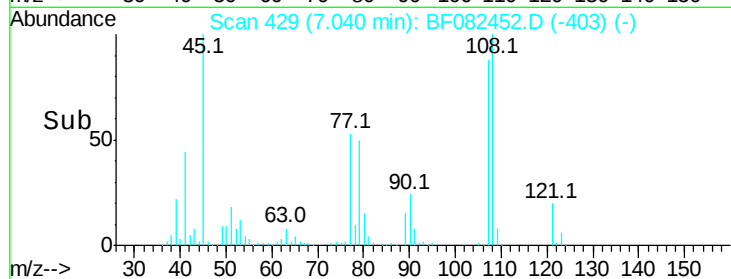
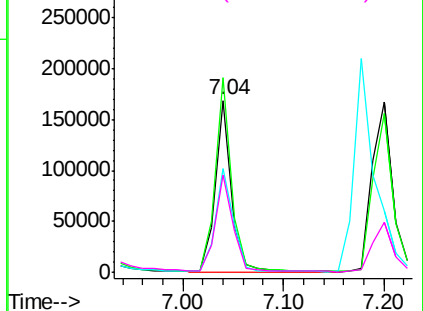


Abundance Ion 107.00 (106.70 to 107.70): E

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: 34.06 ng

RT: 7.27 min Scan# 449

Delta R.T. -0.00 min

Lab File: BF082452.D

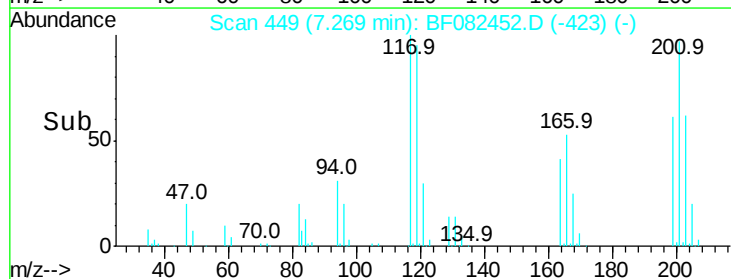
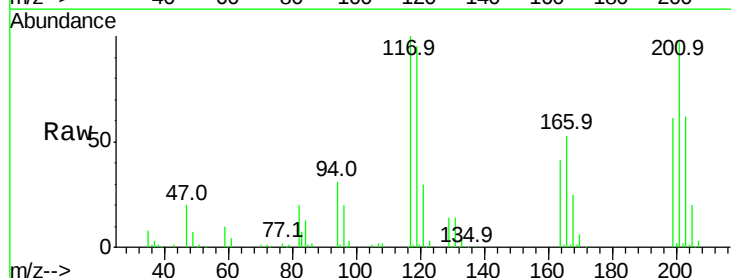
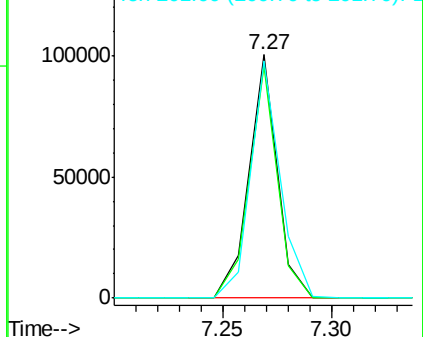
Acq: 22 Oct 2015 18:37

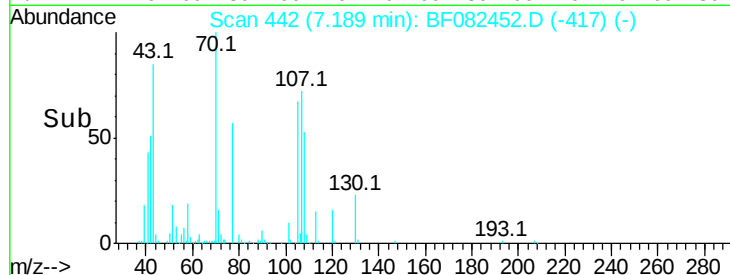
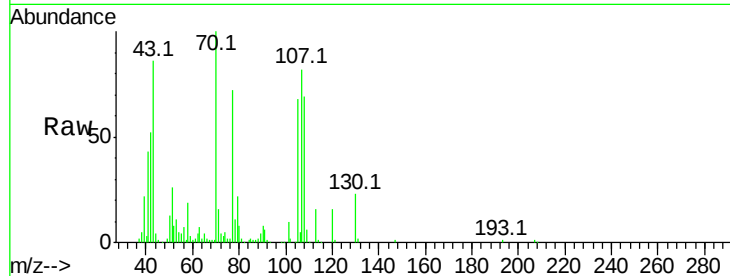
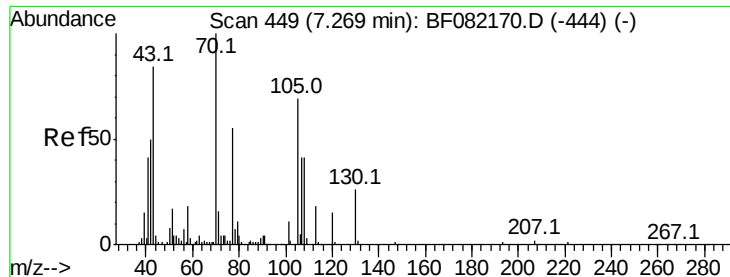
Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.5	75.4	113.2	
201	97.4	73.4	110.0	

Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





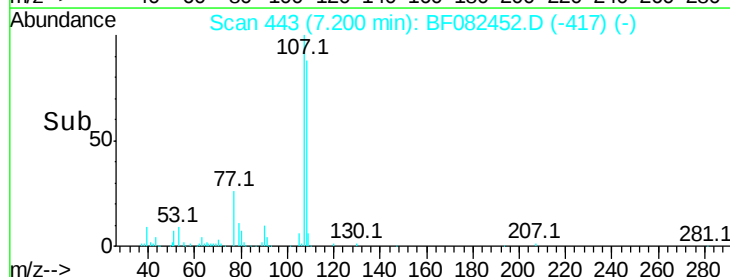
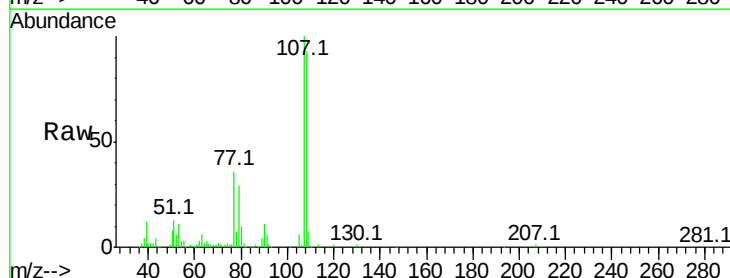
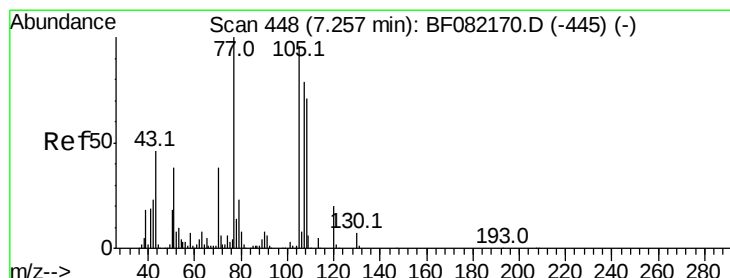
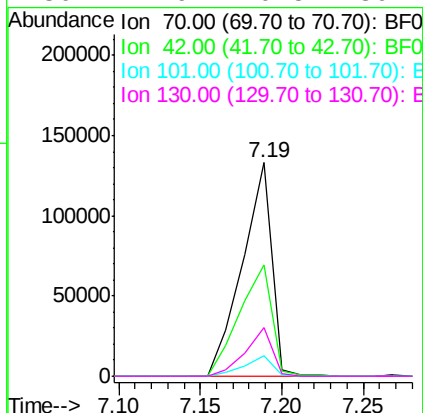
#19
n-Nitroso-di-n-propylamine
Concen: 34.87 ng
RT: 7.19 min Scan# 442
Delta R.T. -0.01 min
Lab File: BF082452.D
Acq: 22 Oct 2015 18:37

Instrument :
BNA_F
ClientSampleId :
PB86210BSD

Manual Integrations
APPROVED

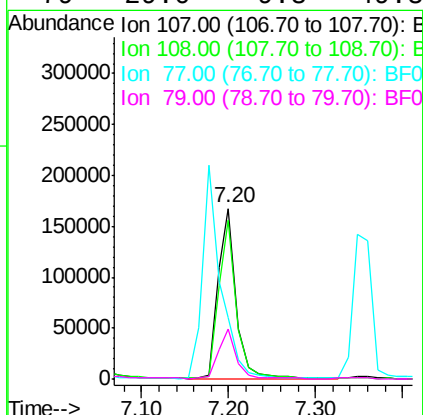
mmdadoda
10/23/2015 4:45:15 PM

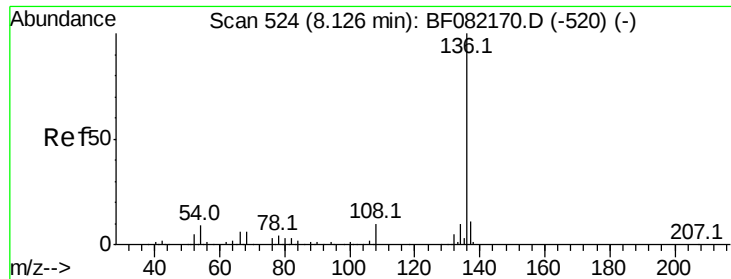
Tot Ion	Ratio	Lower	Upper
70	100		
42	52.3	39.8	59.8
101	9.9	8.6	13.0
130	22.9	20.5	30.7



#20
3+4-Methylphenols
Concen: 40.17 ng
RT: 7.20 min Scan# 443
Delta R.T. -0.00 min
Lab File: BF082452.D
Acq: 22 Oct 2015 18:37

Tgt Ion	Ratio	Lower	Upper
107	100		
108	93.1	69.9	109.9
77	36.2	106.0	146.0#
79	29.0	9.8	49.8





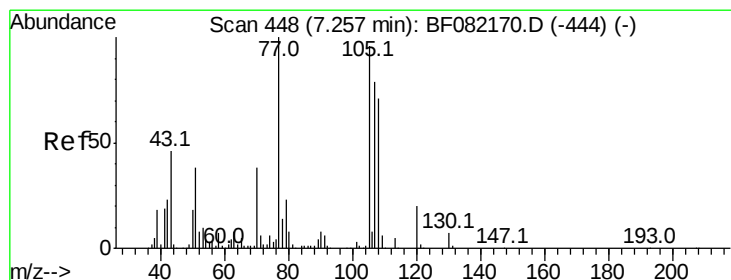
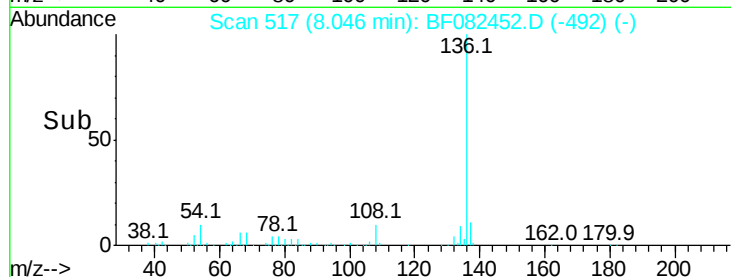
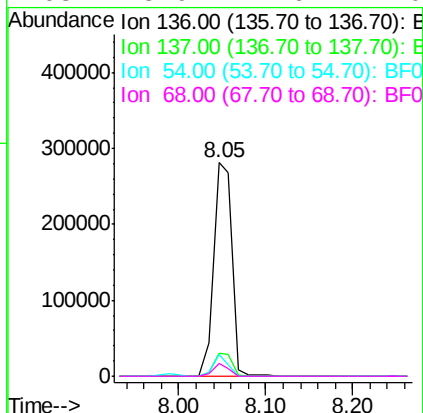
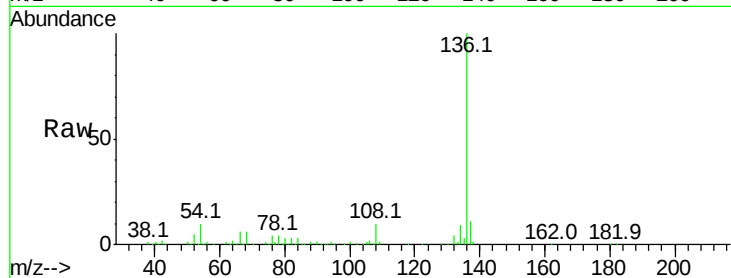
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.05 min Scan# 517
Delta R.T. -0.01 min
Lab File: BF082452.D
Acq: 22 Oct 2015 18:37

Instrument :
BNA_F
ClientSampleId :
PB86210BSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		417463		
137	11.0	9.0	13.6		
54	10.1	7.5	11.3		
68	5.9	4.6	7.0		

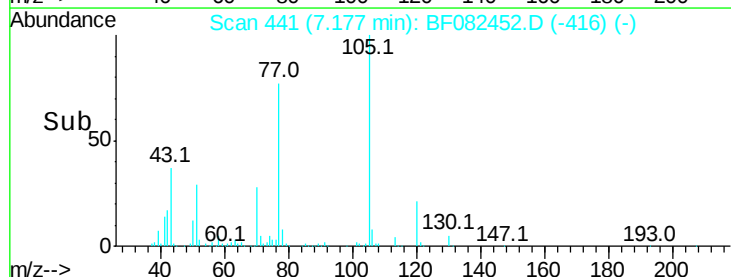
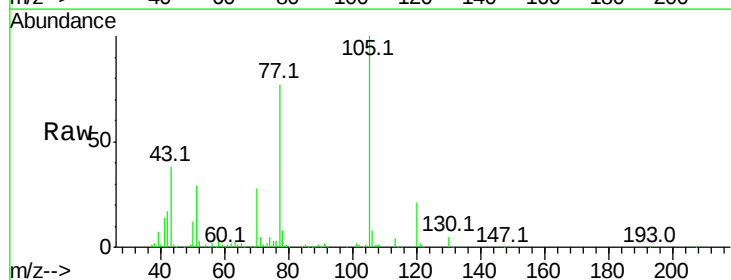
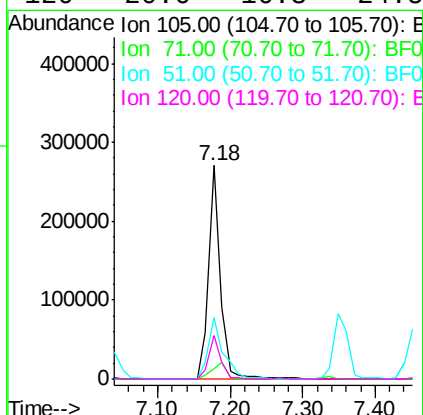
Manual Integrations
APPROVED

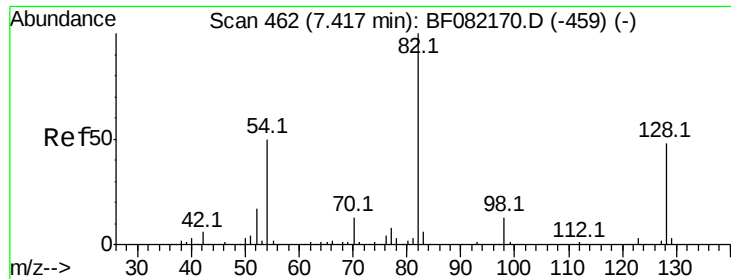
mmdadoda
10/23/2015 4:45:15 PM



#22
Acetophenone
Concen: 37.40 ng
RT: 7.18 min Scan# 441
Delta R.T. -0.01 min
Lab File: BF082452.D
Acq: 22 Oct 2015 18:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		308876		
71	4.8	5.4	8.0#		
51	28.6	31.8	47.6#		
120	20.6	16.3	24.5		





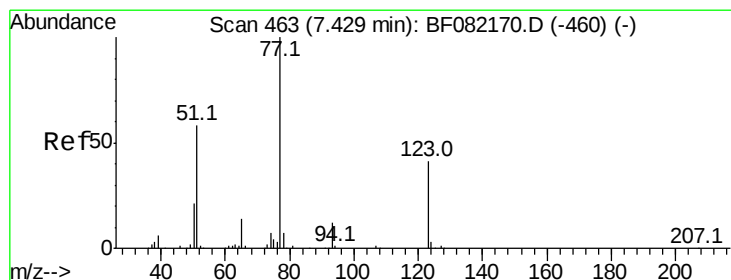
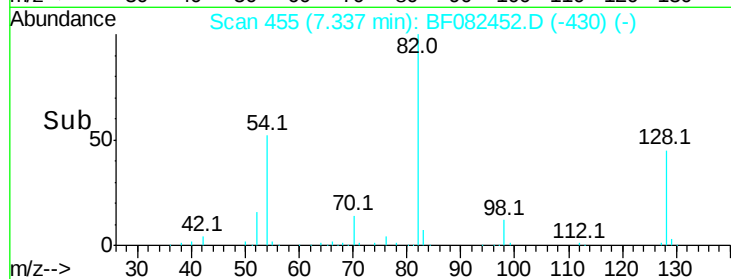
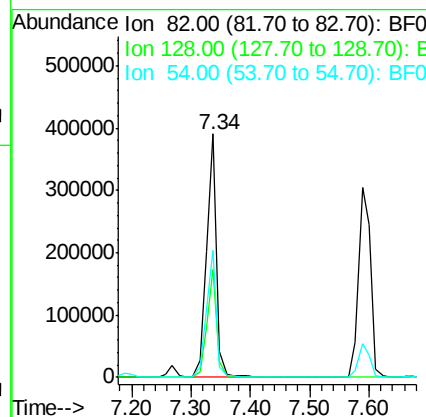
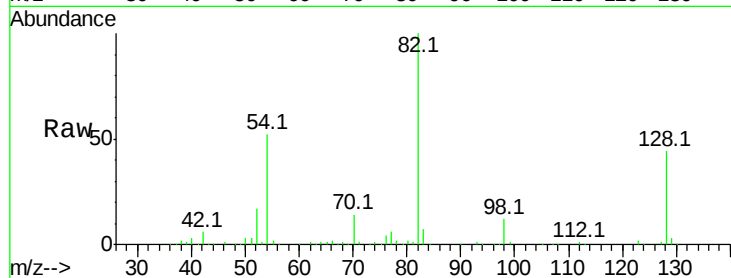
#23
 Nitrobenzene-d5
 Concen: 75.73 ng
 RT: 7.34 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: BF082452.D
 Acq: 22 Oct 2015 18:37

Instrument :
 BNA_F
 ClientSampleId :
 PB86210BSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.5	38.7	58.1
54	52.1	40.1	60.1

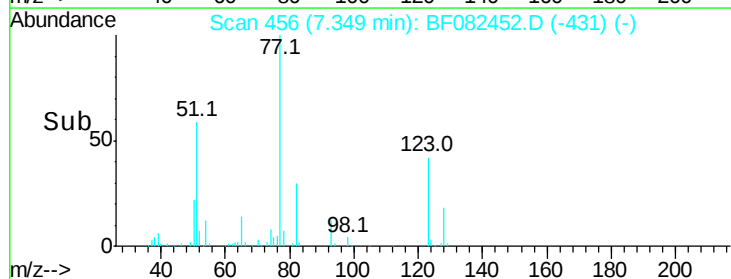
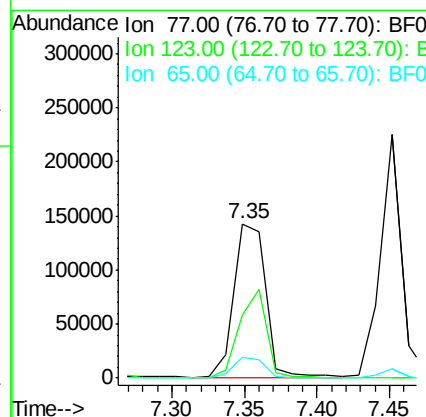
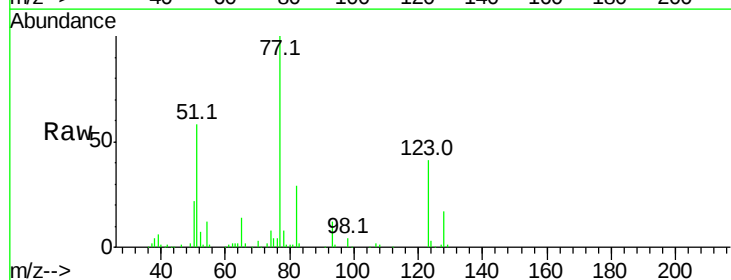
Manual Integrations
 APPROVED

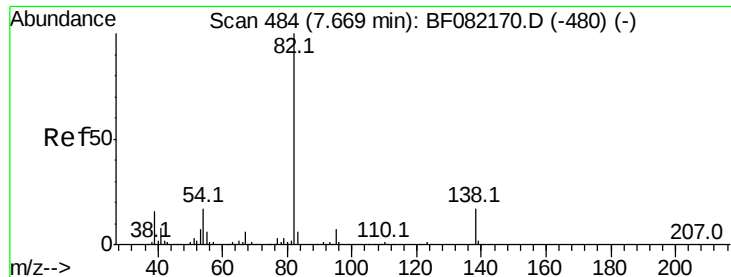
mmdadoda
 10/23/2015 4:45:15 PM



#24
 Nitrobenzene
 Concen: 32.01 ng
 RT: 7.35 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: BF082452.D
 Acq: 22 Oct 2015 18:37

Tgt Ion	Ratio	Lower	Upper
77	100		
123	41.1	33.0	49.4
65	13.9	11.2	16.8





#25

Isophorone

Concen: 33.87 ng

RT: 7.59 min Scan# 477

Delta R.T. -0.01 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Instrument :

BNA_F

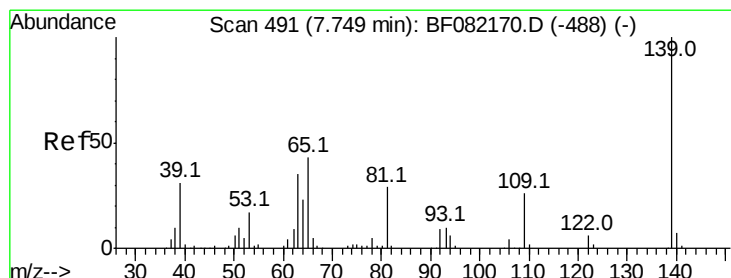
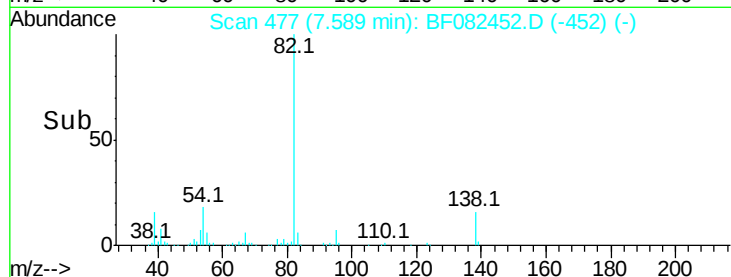
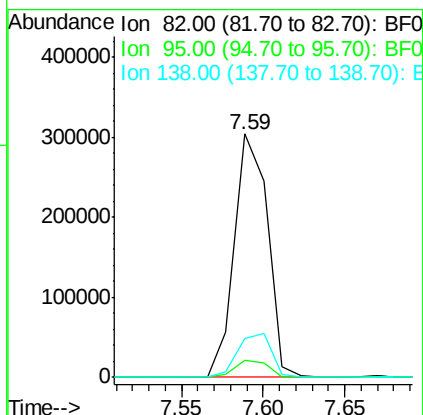
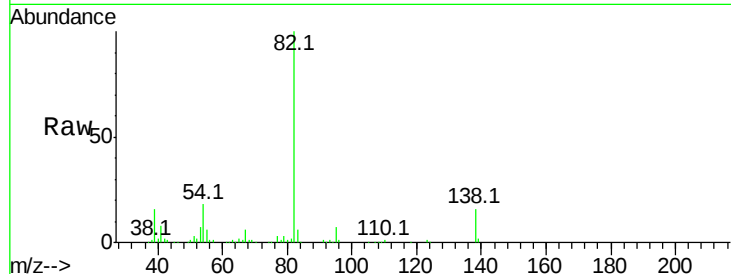
ClientSampleId :

PB86210BSD

Tot Ion:	82	Resp:	424980
Ion Ratio	Lower	Upper	
82	100		
95	6.8	5.6	8.4
138	16.1	13.6	20.4

Manual Integrations
APPROVED

mmdadoda
10/23/2015 4:45:15 PM



#26

2-Nitrophenol

Concen: 35.84 ng

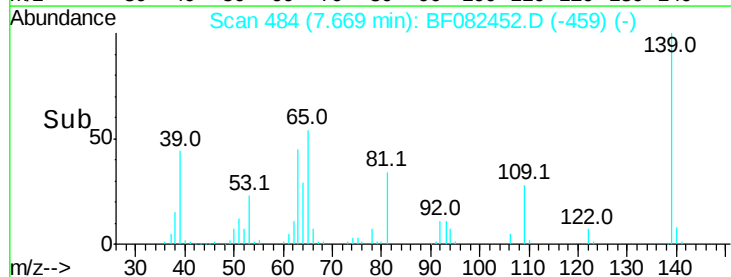
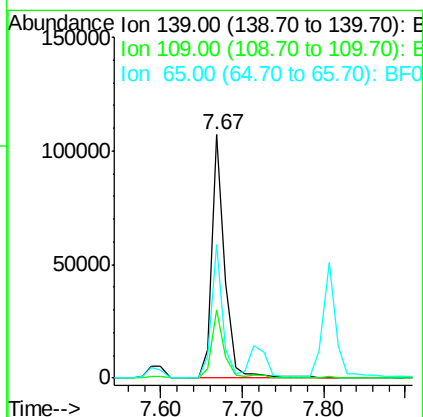
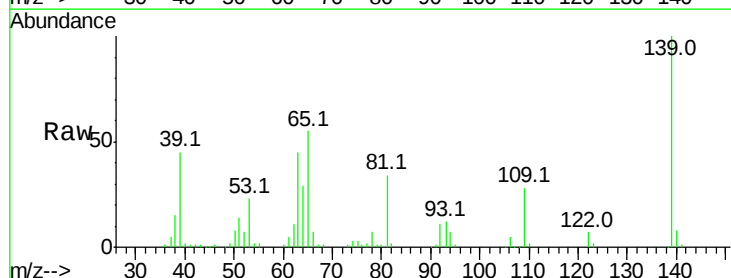
RT: 7.67 min Scan# 484

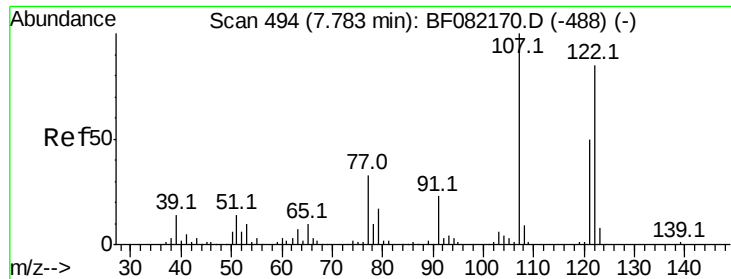
Delta R.T. -0.01 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Tgt Ion:	139	Resp:	120422
Ion Ratio	Lower	Upper	
139	100		
109	28.0	20.6	31.0
65	54.9	34.3	51.5#





#27

2,4-Dimethylphenol

Concen: 36.57 ng

RT: 7.73 min Scan# 489

Delta R.T. -0.00 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Instrument :

BNA_F

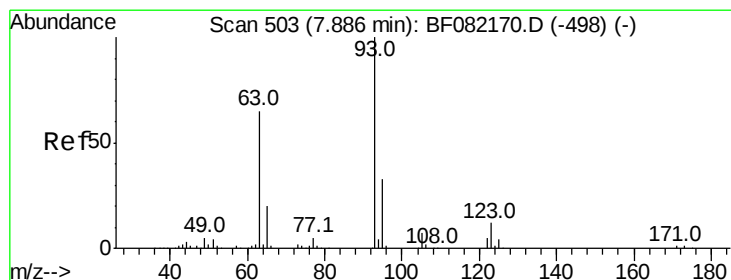
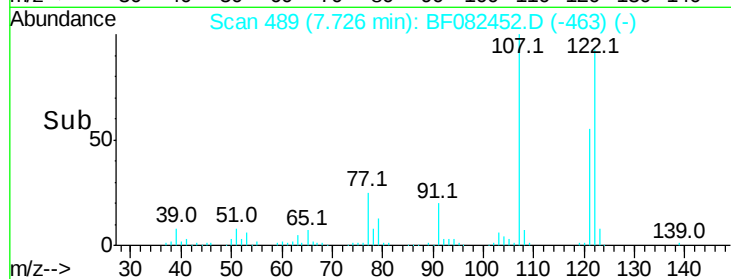
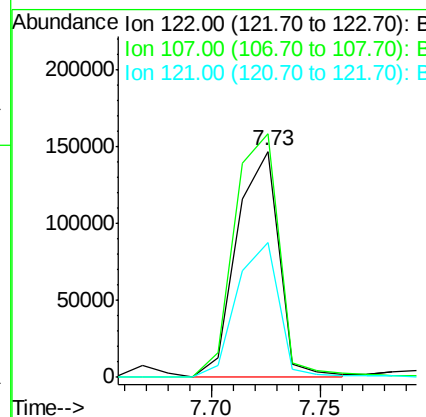
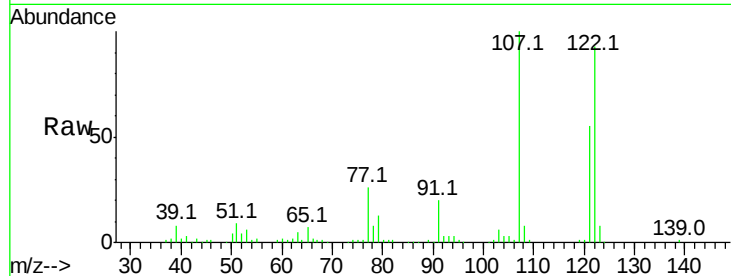
ClientSampleId :

PB86210BSD

Tot Ion:	122	Resp:	197966
Ion Ratio	Lower	Upper	
122	100		
107	107.7	94.0	141.0
121	59.4	46.8	70.2

Manual Integrations
APPROVED

mmdadoda
10/23/2015 4:45:15 PM



#28

bis(2-Chloroethoxy)methane

Concen: 35.25 ng

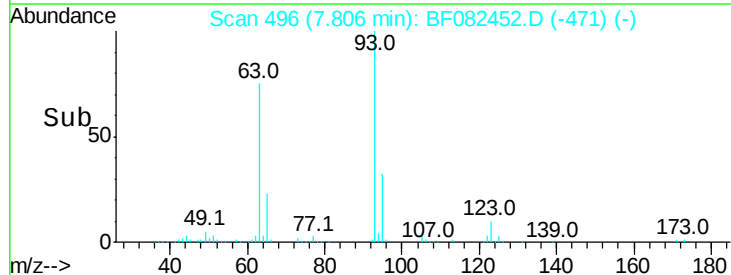
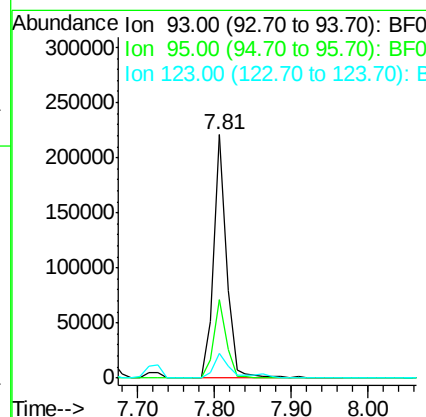
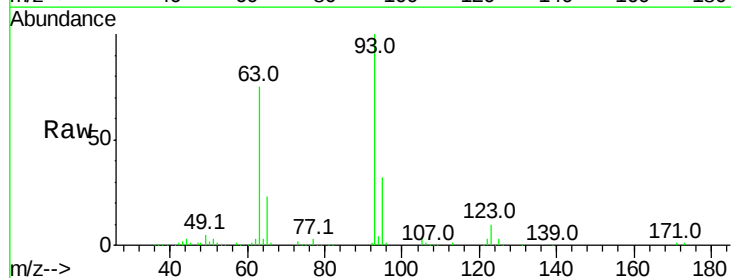
RT: 7.81 min Scan# 496

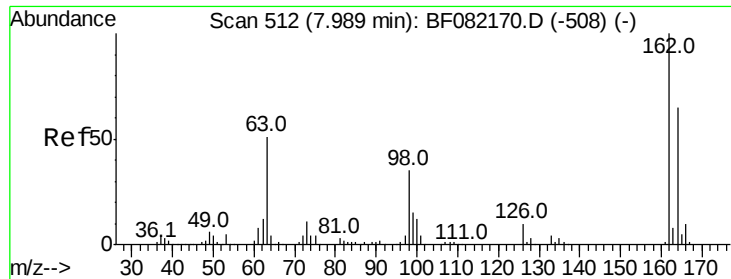
Delta R.T. -0.01 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Tgt Ion:	93	Resp:	257365
Ion Ratio	Lower	Upper	
93	100		
95	32.4	26.6	39.8
123	10.2	9.5	14.3





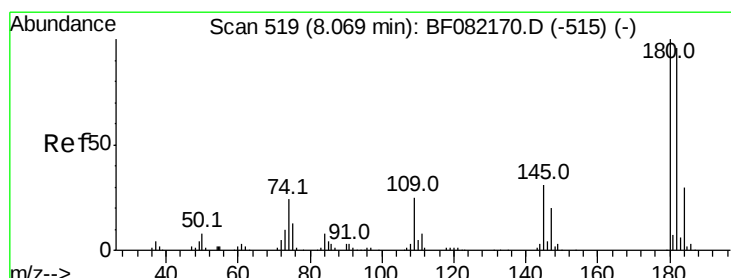
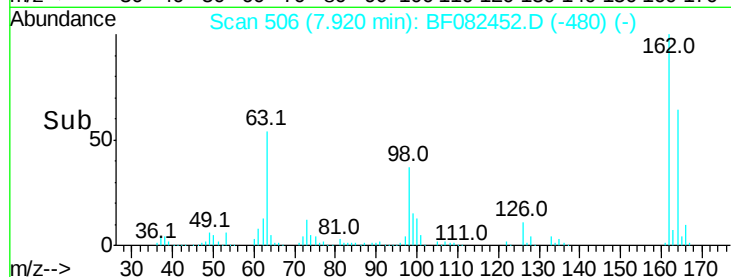
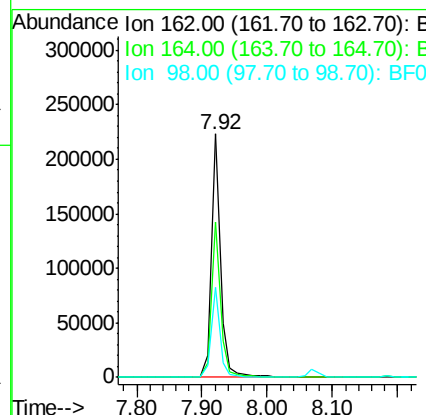
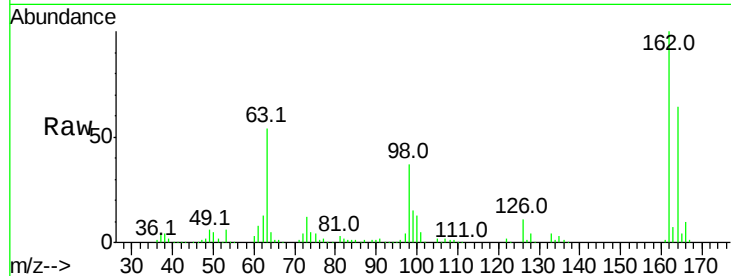
#29
 2,4-Dichlorophenol
 Concen: 40.15 ng
 RT: 7.92 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: BF082452.D
 Acq: 22 Oct 2015 18:37

Instrument :
 BNA_F
 ClientSampleId :
 PB86210BSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	217253		
164	64.0		44.6	84.6
98	37.0		15.0	55.0

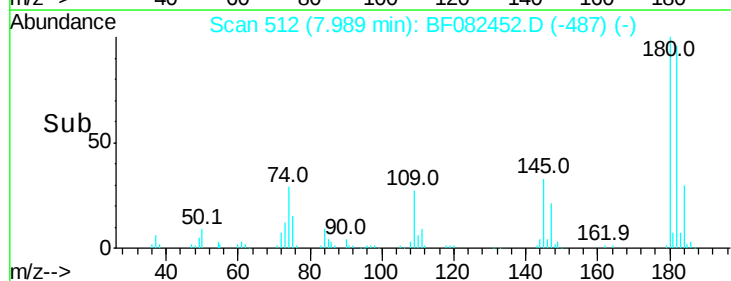
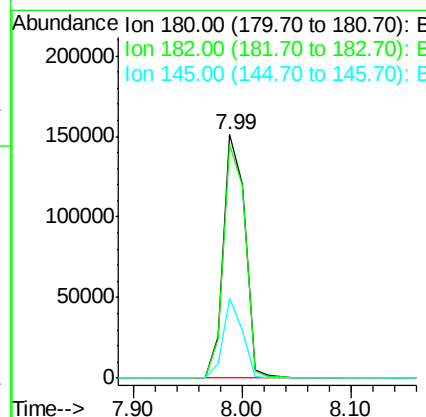
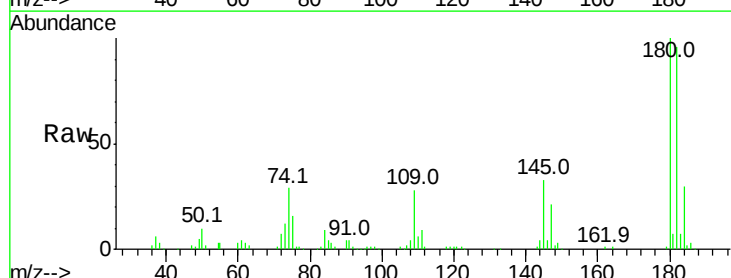
Manual Integrations
 APPROVED

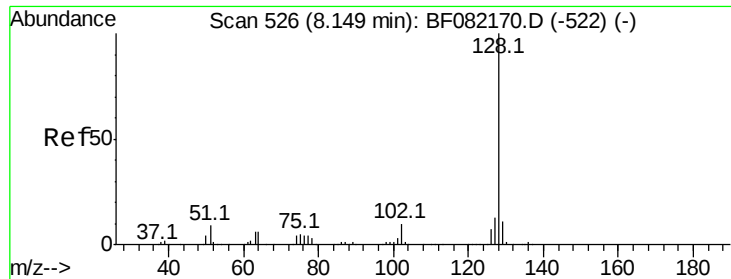
mmdadoda
 10/23/2015 4:45:15 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 33.62 ng
 RT: 7.99 min Scan# 512
 Delta R.T. -0.01 min
 Lab File: BF082452.D
 Acq: 22 Oct 2015 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	209701		
182	95.8		77.0	115.4
145	32.8		25.0	37.4





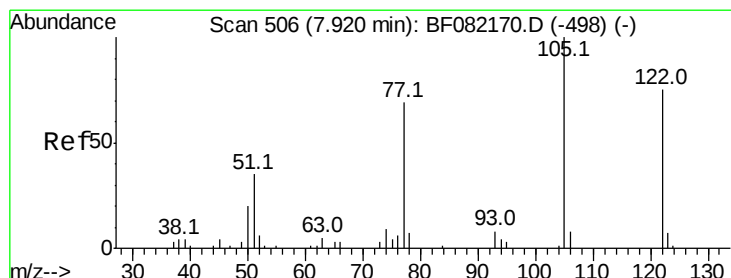
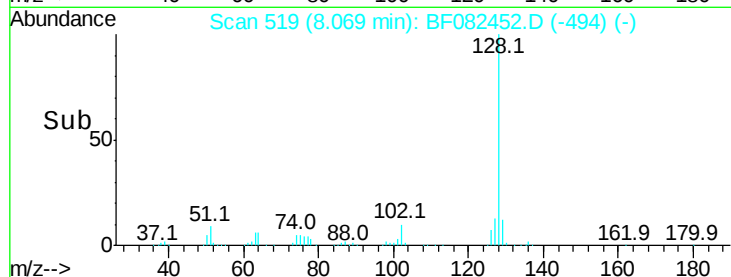
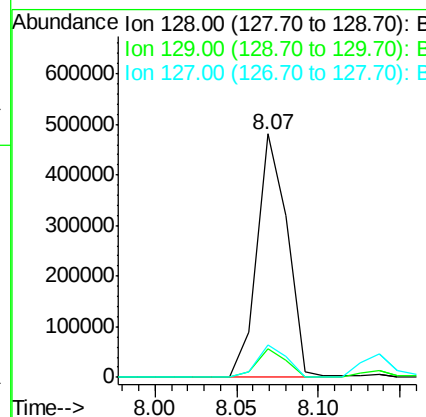
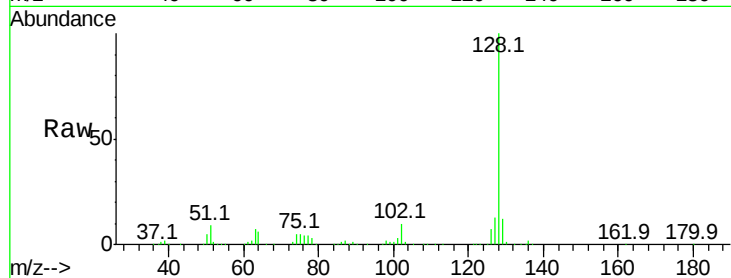
#31
Naphthalene
Concen: 34.43 ng
RT: 8.07 min Scan# 519
Delta R.T. -0.01 min
Lab File: BF082452.D
Acq: 22 Oct 2015 18:37

Instrument :
BNA_F
ClientSampleId :
PB86210BSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.5	9.1	13.7	
127	13.4	10.7	16.1	

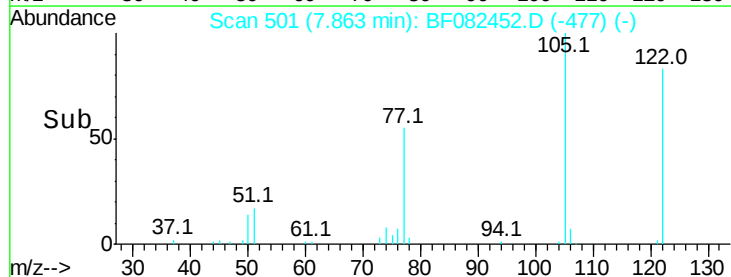
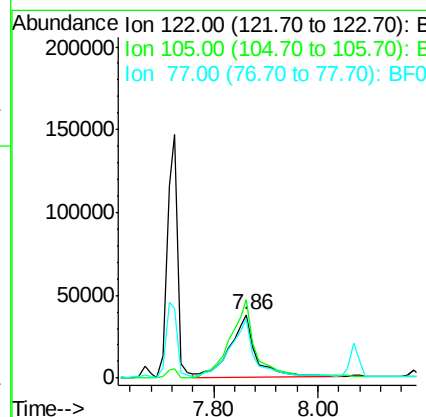
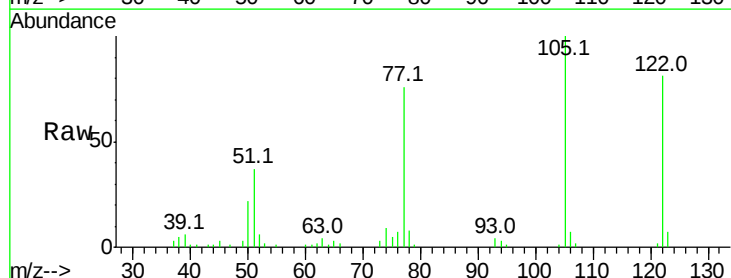
Manual Integrations
APPROVED

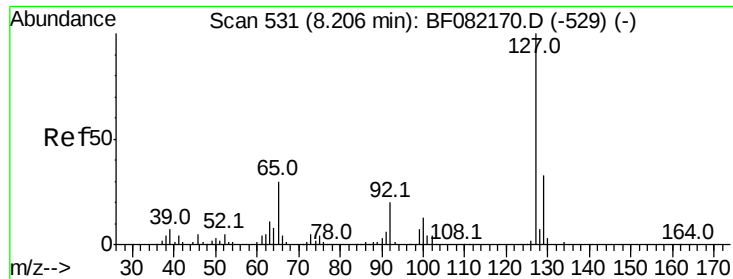
mmdadoda
10/23/2015 4:45:15 PM



#32
Benzoic acid
Concen: 35.55 ng
RT: 7.86 min Scan# 501
Delta R.T. -0.02 min
Lab File: BF082452.D
Acq: 22 Oct 2015 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	122.7	104.4	144.4	
77	92.9	69.0	109.0	





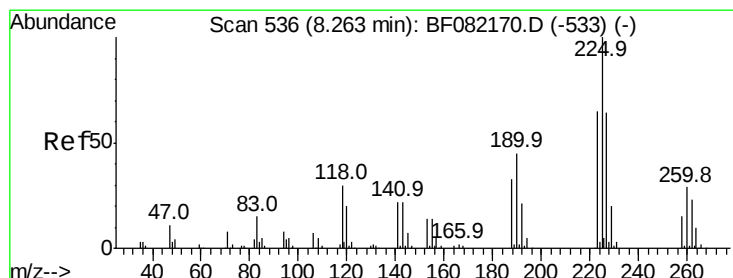
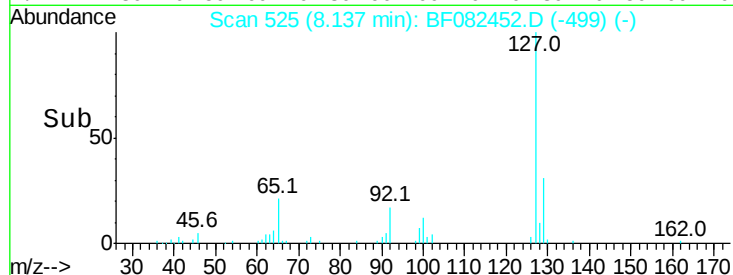
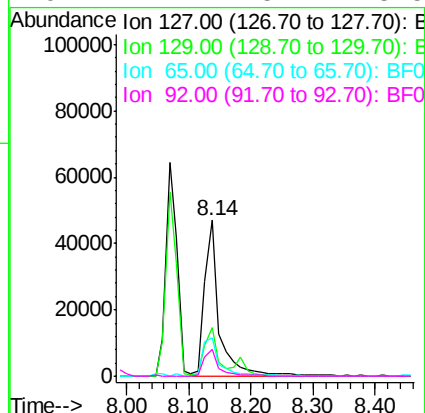
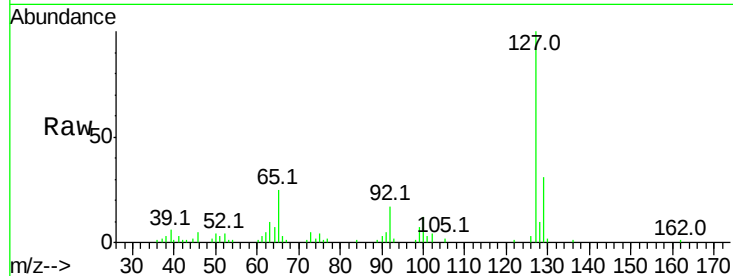
#33
4-Chloroaniline
Concen: 10.48 ng
RT: 8.14 min Scan# 525
Delta R.T. -0.00 min
Lab File: BF082452.D
Acq: 22 Oct 2015 18:37

Instrument :
BNA_F
ClientSampleId :
PB86210BSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.3	26.3	39.5		
65	25.0	24.4	36.6		
92	17.1	15.7	23.5		

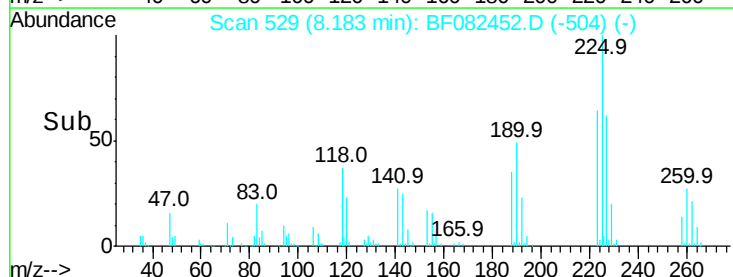
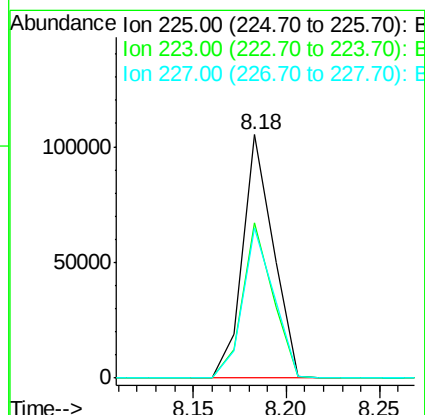
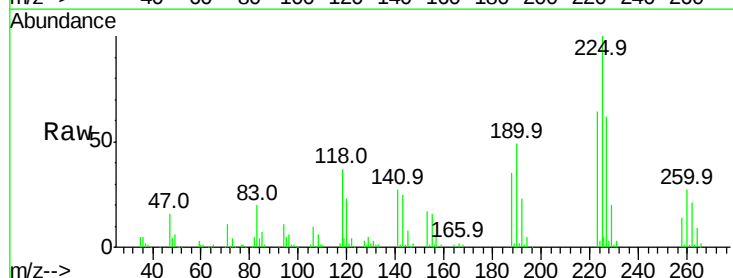
Manual Integrations
APPROVED

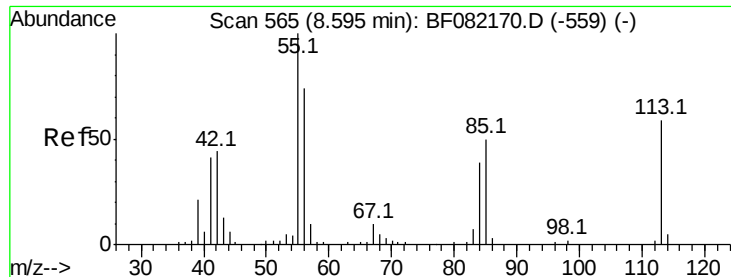
mmdadoda
10/23/2015 4:45:15 PM



#34
Hexachlorobutadiene
Concen: 30.83 ng
RT: 8.18 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF082452.D
Acq: 22 Oct 2015 18:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.7	52.2	78.2		
227	61.8	51.3	76.9		





#35

Caprolactam

Concen: 40.10 ng

RT: 8.51 min Scan# 558

Delta R.T. -0.02 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Instrument :

BNA_F

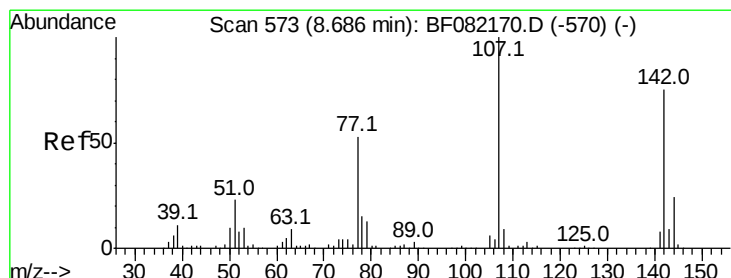
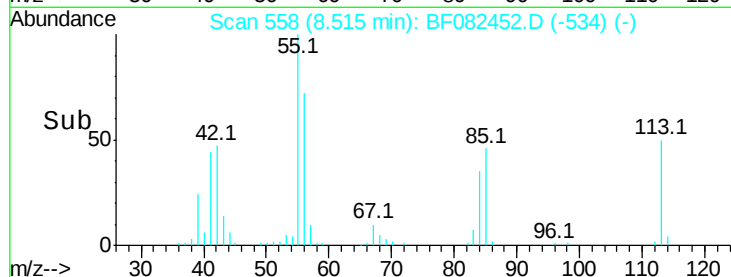
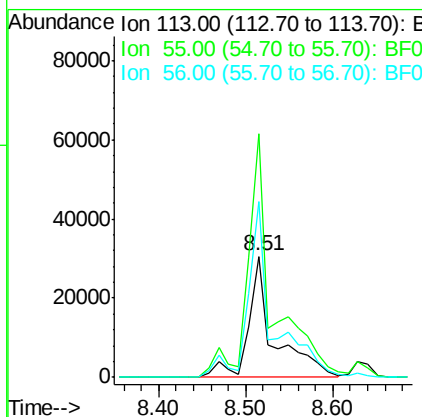
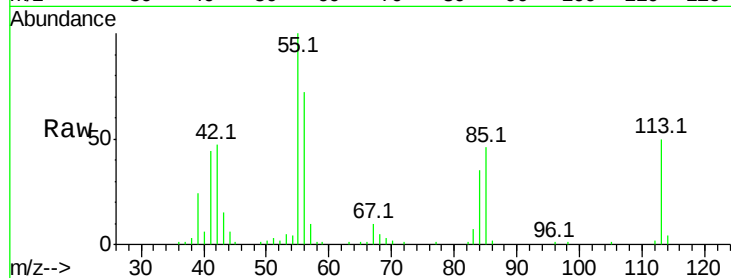
ClientSampleId :

PB86210BSD

Tot Ion:113 Resp: 62968
 Ion Ratio Lower Upper
 113 100
 55 201.5 149.7 189.7#
 56 145.2 105.4 145.4

Manual Integrations
 APPROVED

mmdadoda
 10/23/2015 4:45:15 PM



#36

4-Chloro-3-methylphenol

Concen: 39.13 ng

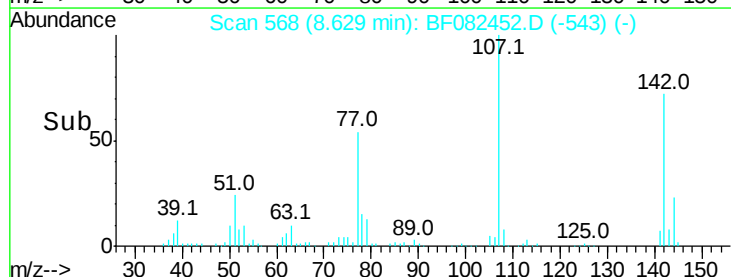
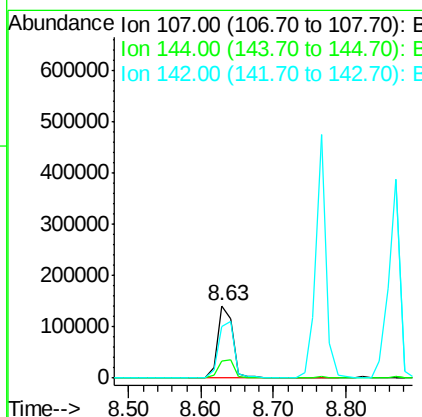
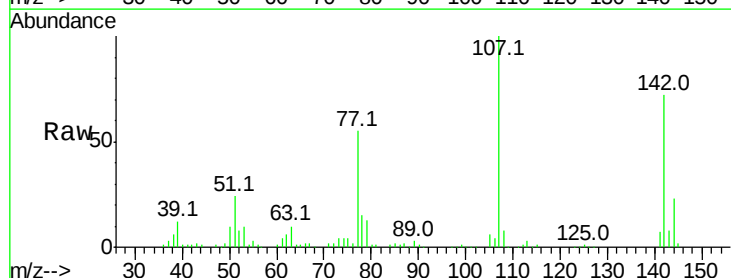
RT: 8.63 min Scan# 568

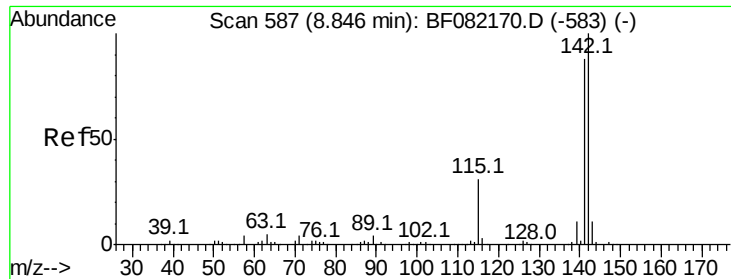
Delta R.T. -0.01 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Tgt Ion:107 Resp: 207083
 Ion Ratio Lower Upper
 107 100
 144 22.9 19.3 28.9
 142 71.9 59.9 89.9





#37

2-Methylnaphthalene

Concen: 37.27 ng

RT: 8.77 min Scan# 580

Delta R.T. -0.00 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Instrument :

BNA_F

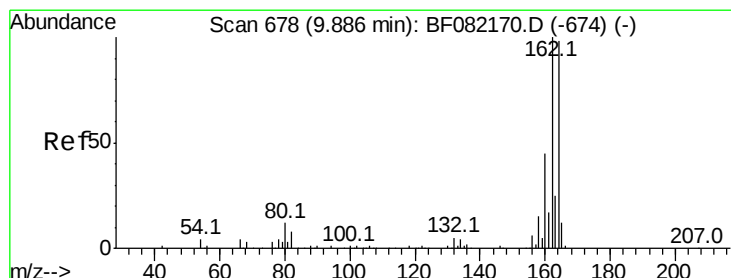
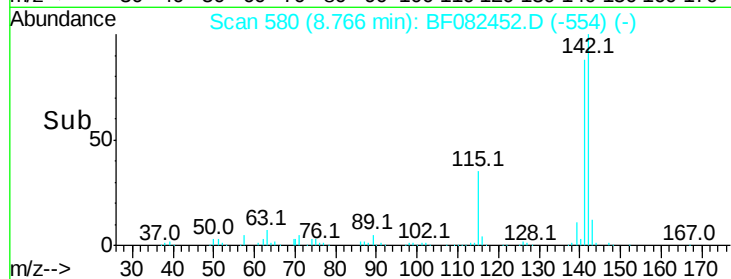
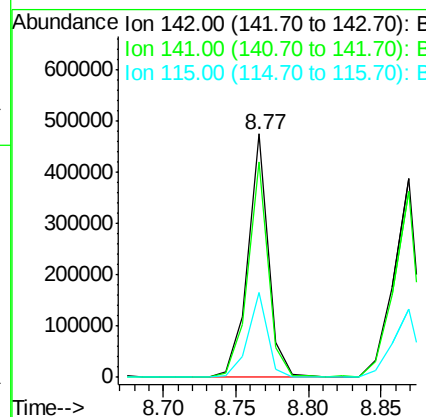
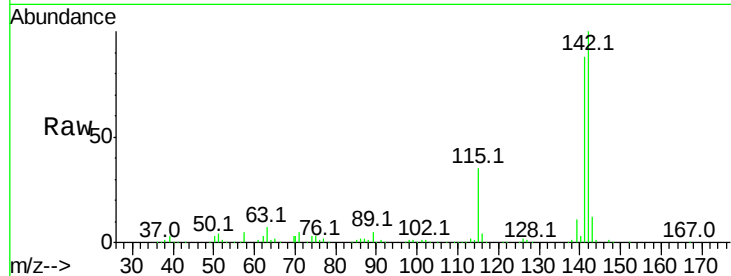
ClientSampleId :

PB86210BSD

Tot Ion:	142	Resp:	467508
Ion Ratio	Lower	Upper	
142	100		
141	88.4	70.4	105.6
115	34.8	24.6	37.0

Manual Integrations
APPROVED

mmdadoda
10/23/2015 4:45:15 PM



#38

Acenaphthene-d10

Concen: 20.00 ng

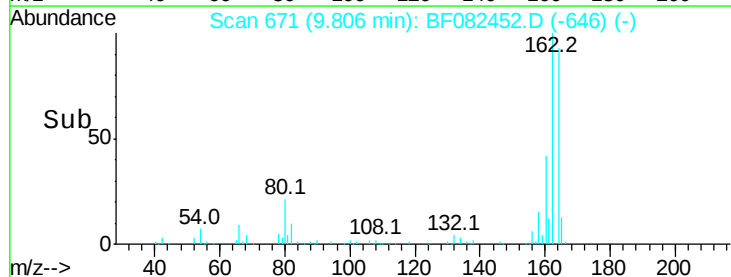
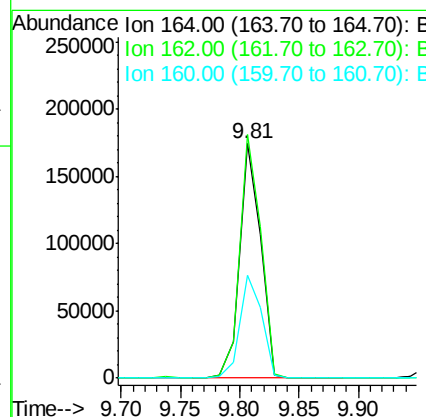
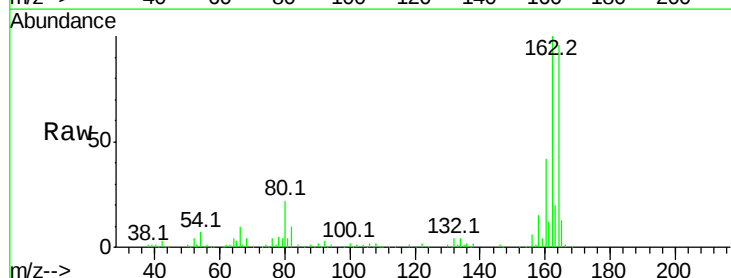
RT: 9.81 min Scan# 671

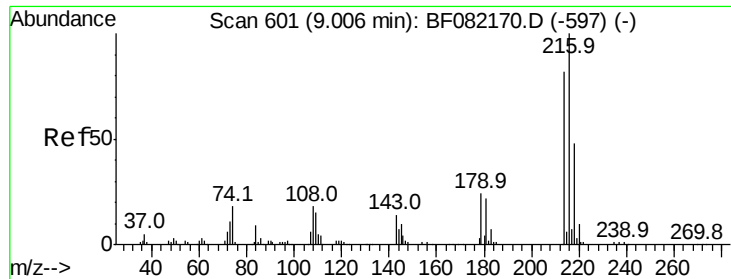
Delta R.T. -0.01 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Tgt Ion:	164	Resp:	215110
Ion Ratio	Lower	Upper	
164	100		
162	103.9	81.6	122.4
160	43.9	36.4	54.6





#39

1,2,4,5-Tetrachlorobenzene

Concen: 34.96 ng

RT: 8.94 min Scan# 595

Delta R.T. -0.00 min

Lab File: BF082452.D

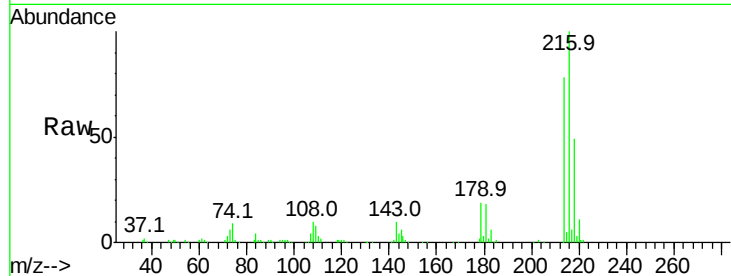
Acq: 22 Oct 2015 18:37

Instrument :

BNA_F

ClientSampleId :

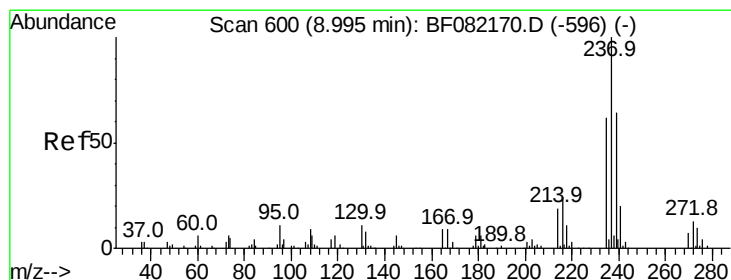
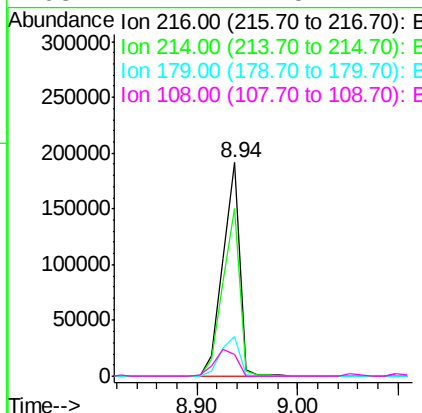
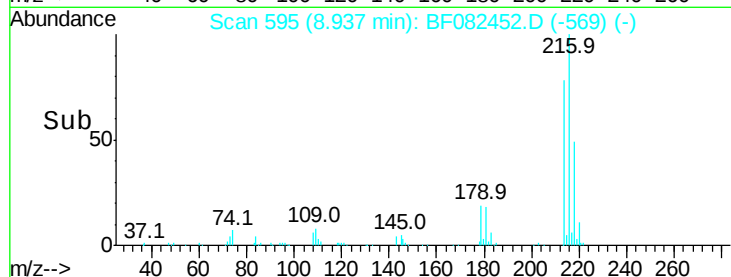
PB86210BSD



Tot Ion	Ratio	Resp	Lower	Upper
216	100	223655		
214	79.4	64.6	97.0	
179	20.5	17.6	26.4	
108	17.2	14.5	21.7	

Manual Integrations
APPROVED

mmdadoda
10/23/2015 4:45:15 PM



#40

Hexachlorocyclopentadiene

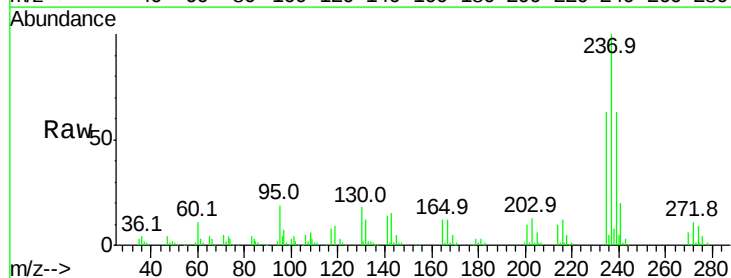
Concen: 46.75 ng

RT: 8.91 min Scan# 593

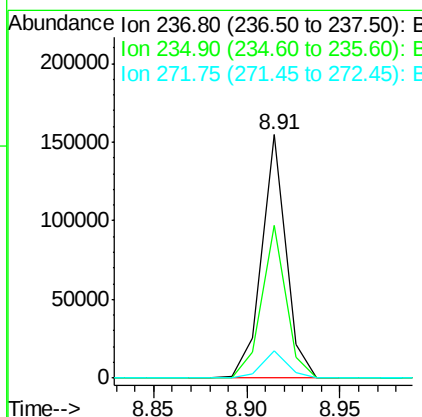
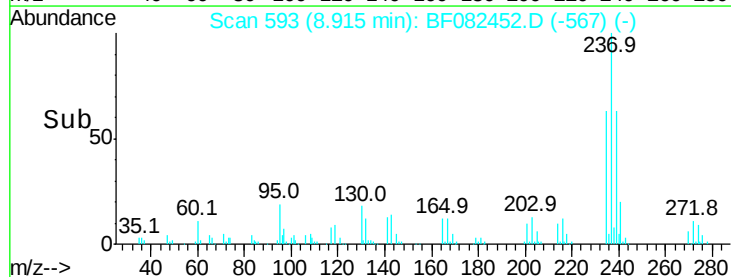
Delta R.T. -0.00 min

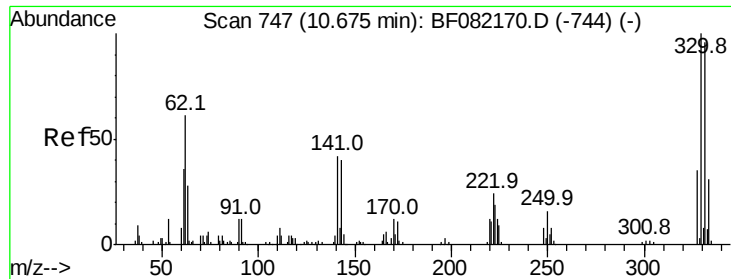
Lab File: BF082452.D

Acq: 22 Oct 2015 18:37



Tgt Ion	Ratio	Resp	Lower	Upper
237	100	138872		
235	62.7	41.7	81.7	
272	11.0	0.0	32.8	





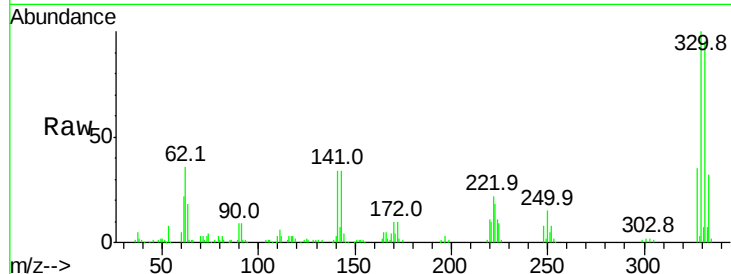
#41
 2,4,6-Tribromophenol
 Concen: 65.49 ng
 RT: 10.61 min Scan# 741
 Delta R.T. -0.00 min
 Lab File: BF082452.D
 Acq: 22 Oct 2015 18:37

Instrument :
 BNA_F
 ClientSampleId :
 PB86210BSD

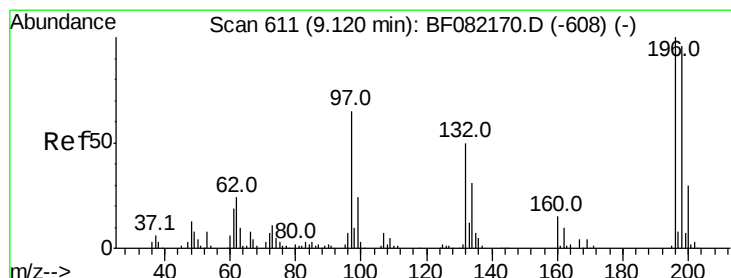
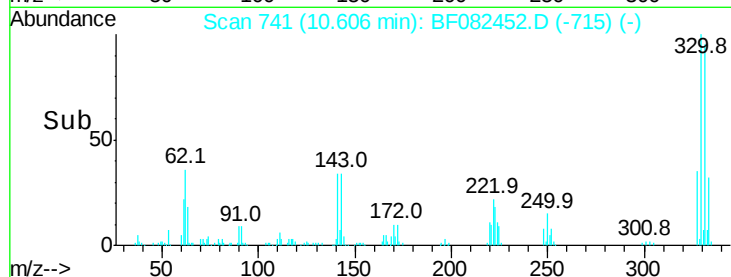
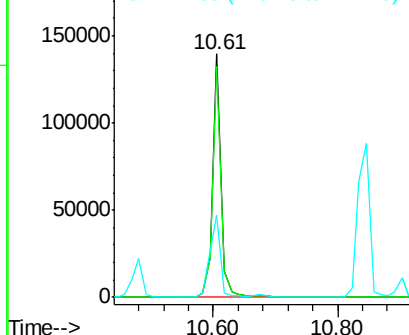
Tot Ion	Ratio	Resp	Lower	Upper
330	100	132122		
332	95.1	77.1	115.7	
141	42.2	29.8	44.8	

Manual Integrations
 APPROVED

mmdadoda
 10/23/2015 4:45:15 PM

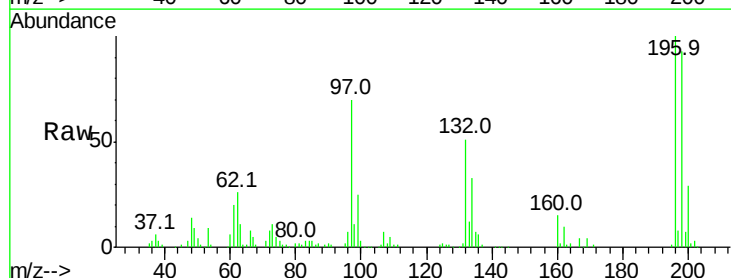


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

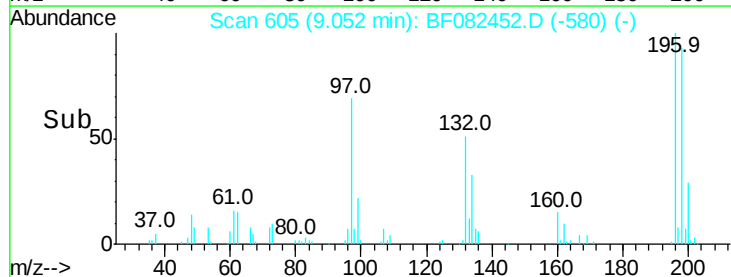
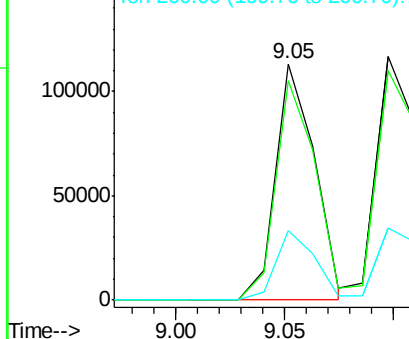


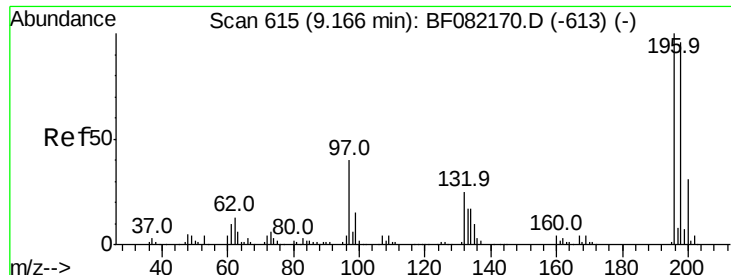
#42
 2,4,6-Trichlorophenol
 Concen: 33.64 ng
 RT: 9.05 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: BF082452.D
 Acq: 22 Oct 2015 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	142955		
198	92.6	76.6	115.0	
200	29.1	23.7	35.5	



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





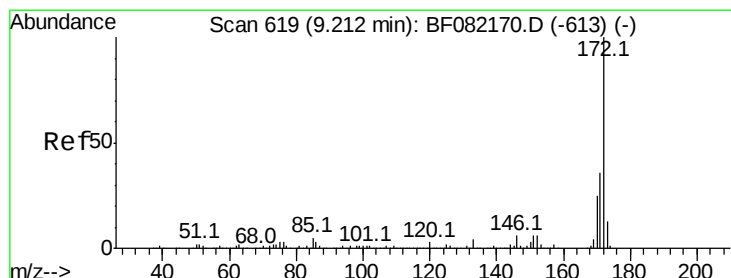
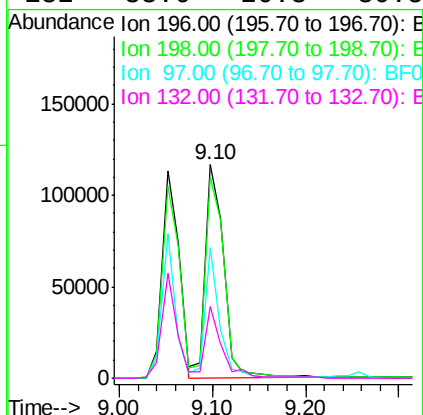
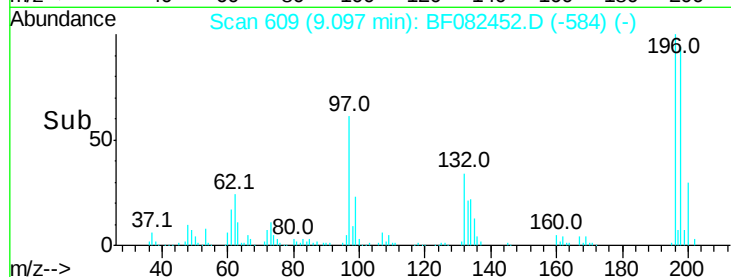
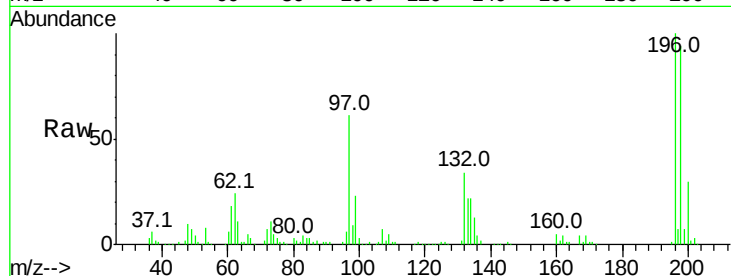
#43
 2,4,5-Trichlorophenol
 Concen: 34.81 ng
 RT: 9.10 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: BF082452.D
 Acq: 22 Oct 2015 18:37

Instrument :
 BNA_F
 ClientSampleId :
 PB86210BSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	160243		
198	94.2	77.0	115.4	
97	61.3	31.9	47.9#	
132	33.6	20.3	30.5#	

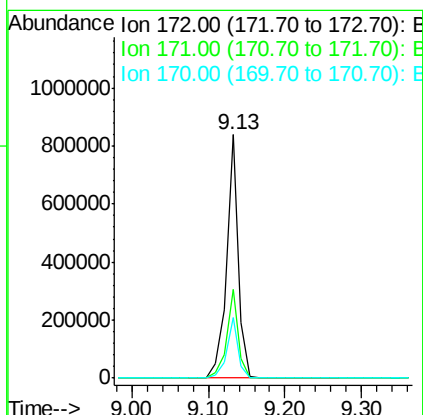
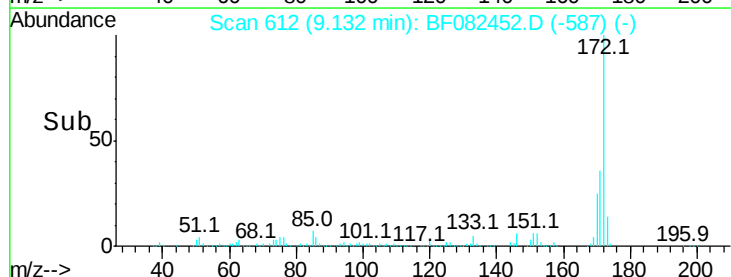
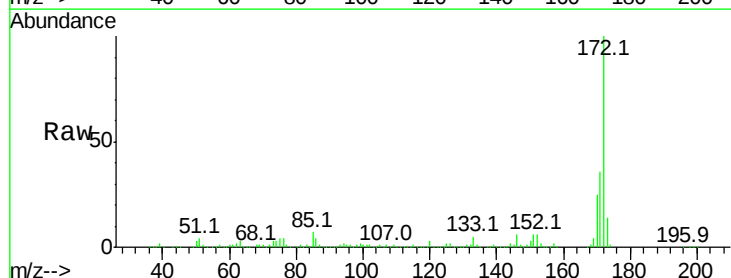
Manual Integrations
 APPROVED

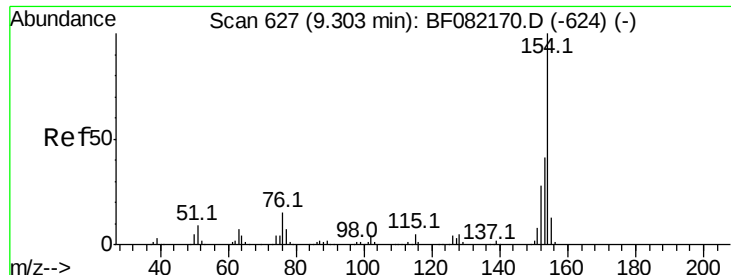
mmdadoda
 10/23/2015 4:45:15 PM



#44
 2-Fluorobiphenyl
 Concen: 70.59 ng
 RT: 9.13 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: BF082452.D
 Acq: 22 Oct 2015 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	915594		
171	36.2	28.6	42.8	
170	24.6	19.7	29.5	





#45

1,1'-Biphenyl

Concen: 36.57 ng

RT: 9.23 min Scan# 621

Delta R.T. -0.00 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Instrument :

BNA_F

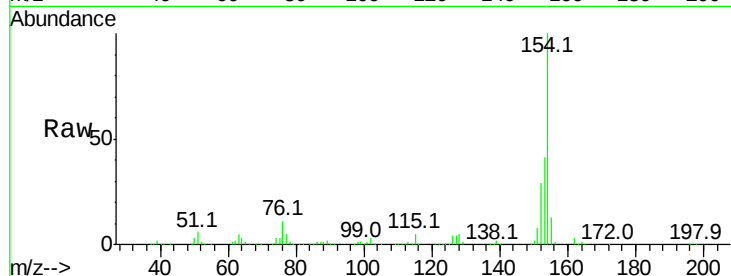
ClientSampleId :

PB86210BSD

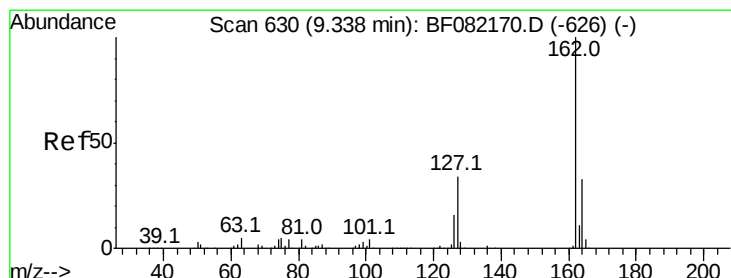
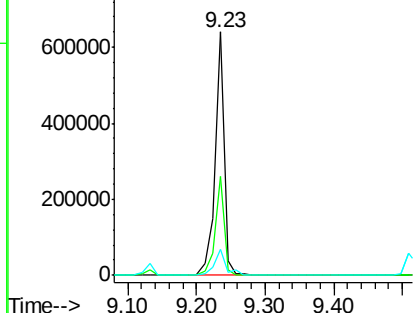
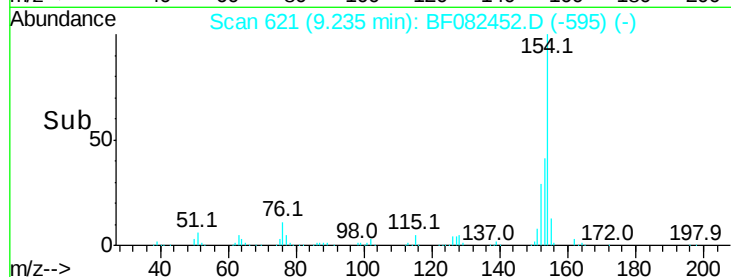
Tot Ion:	154	Resp:	599911
Ion Ratio	Lower	Upper	
154	100		
153	40.6	20.6	60.6
76	10.8	0.0	35.2

Manual Integrations
APPROVED

mmdadoda
10/23/2015 4:45:15 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: 35.16 ng

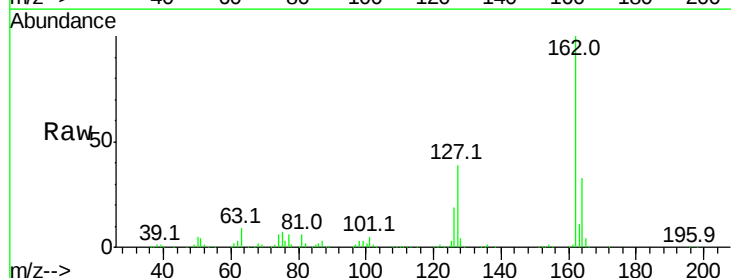
RT: 9.26 min Scan# 623

Delta R.T. -0.00 min

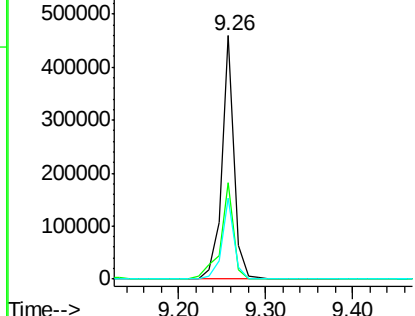
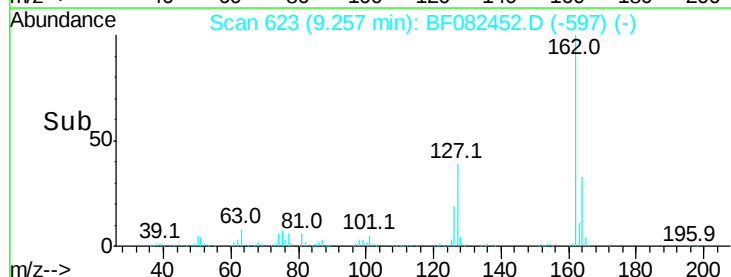
Lab File: BF082452.D

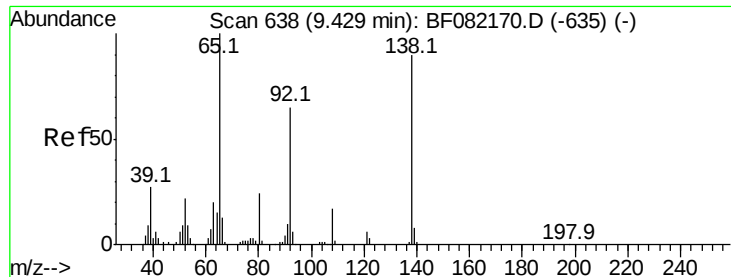
Acq: 22 Oct 2015 18:37

Tgt Ion:	162	Resp:	453963
Ion Ratio	Lower	Upper	
162	100		
127	39.4	27.5	41.3
164	33.1	26.6	39.8



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





#47

2-Nitroaniline

Concen: 36.67 ng

RT: 9.36 min Scan# 632

Delta R.T. -0.01 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Instrument :

BNA_F

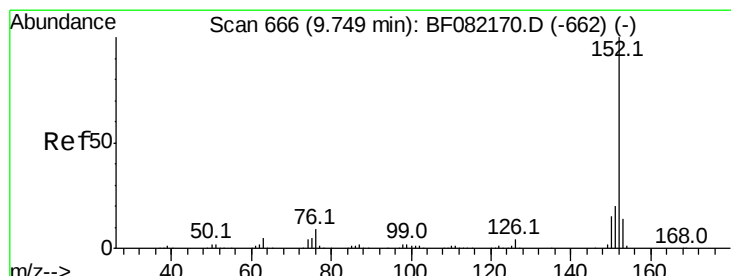
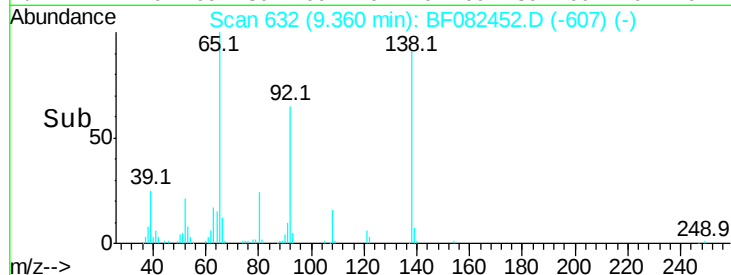
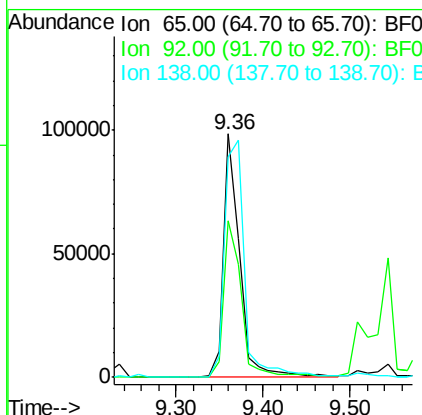
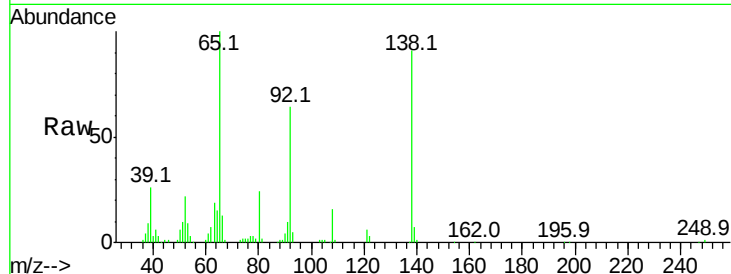
ClientSampleId :

PB86210BSD

Tot Ion:	65	Resp:	129991
Ion Ratio	Lower	Upper	
65	100		
92	64.3	52.3	78.5
138	90.6	72.2	108.4

Manual Integrations
APPROVED

mmdadoda
10/23/2015 4:45:15 PM



#48

Acenaphthylene

Concen: 34.89 ng

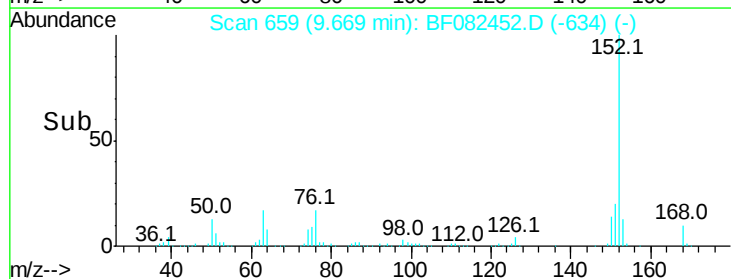
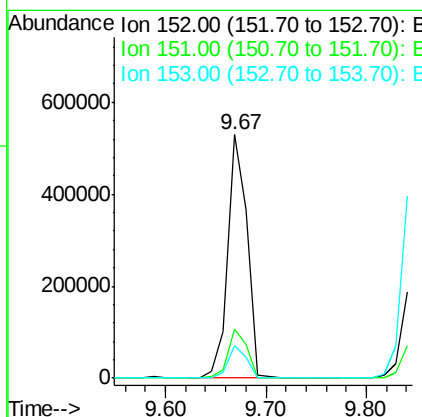
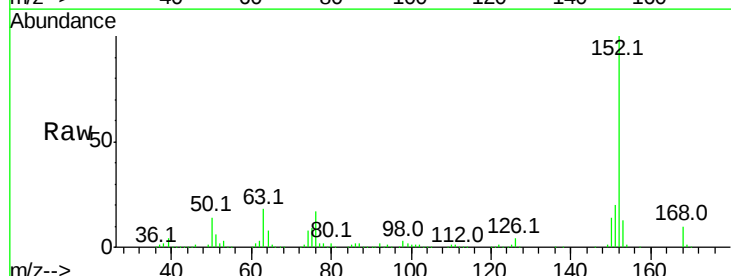
RT: 9.67 min Scan# 659

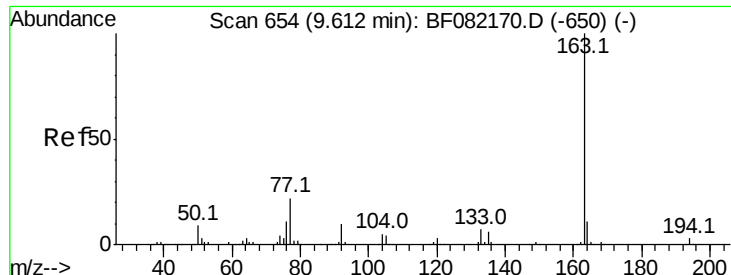
Delta R.T. -0.01 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Tgt Ion:	152	Resp:	701876
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.4	24.6
153	13.4	10.8	16.2





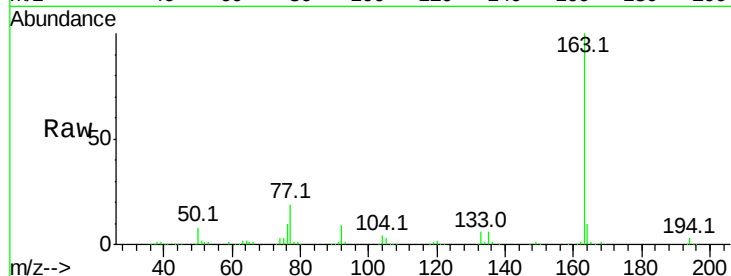
#49
Dimethylphthalate
Concen: 37.87 ng
RT: 9.54 min Scan# 648
Delta R.T. -0.01 min
Lab File: BF082452.D
Acq: 22 Oct 2015 18:37

Instrument :
BNA_F
ClientSampleId :
PB86210BSD

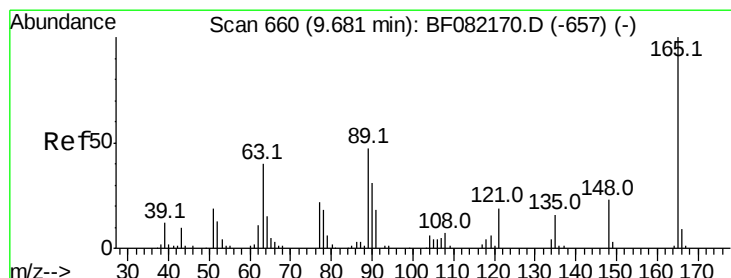
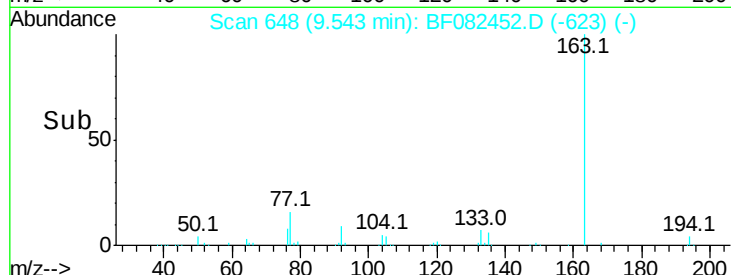
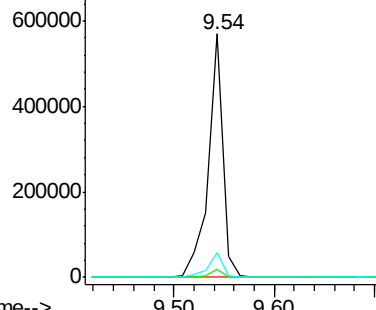
Tot Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.4	2.6	4.0
164	10.4	8.5	12.7

Manual Integrations
APPROVED

mmdadoda
10/23/2015 4:45:15 PM

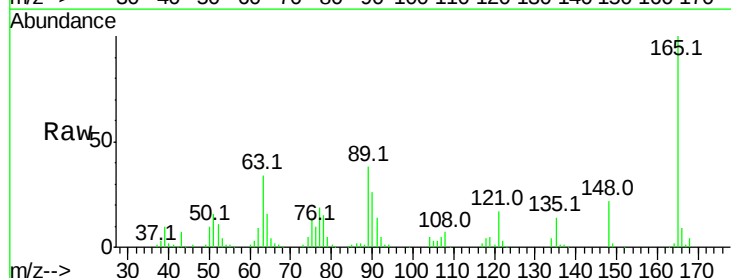


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

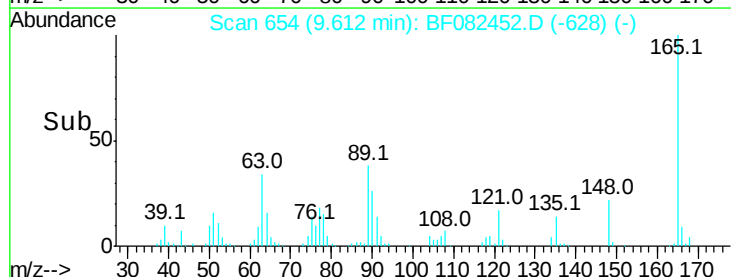
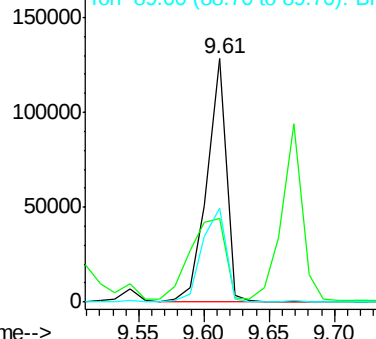


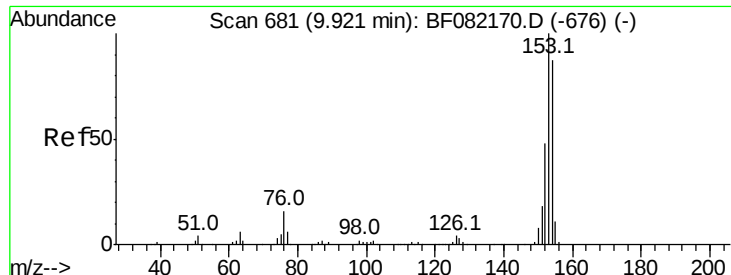
#50
2,6-Dinitrotoluene
Concen: 41.52 ng
RT: 9.61 min Scan# 654
Delta R.T. -0.00 min
Lab File: BF082452.D
Acq: 22 Oct 2015 18:37

Tgt Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	34.2	36.7	55.1#
89	38.5	37.8	56.6



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: 33.86 ng

RT: 9.84 min Scan# 674

Delta R.T. -0.01 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Instrument :

BNA_F

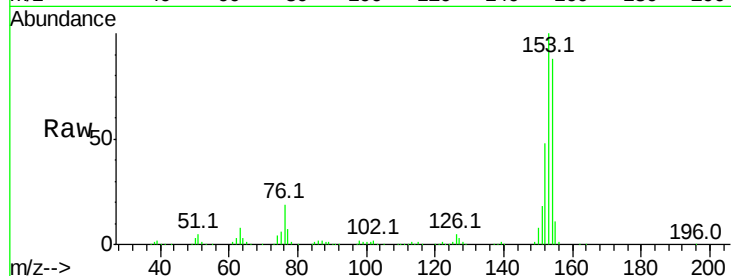
ClientSampleId :

PB86210BSD

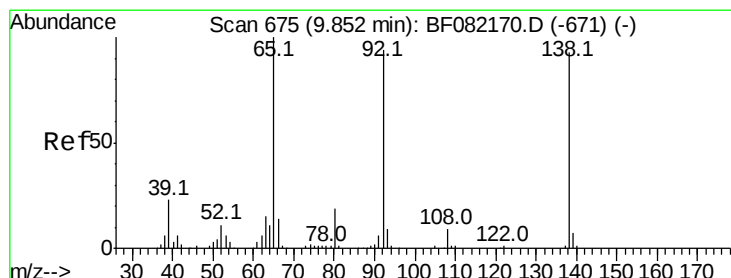
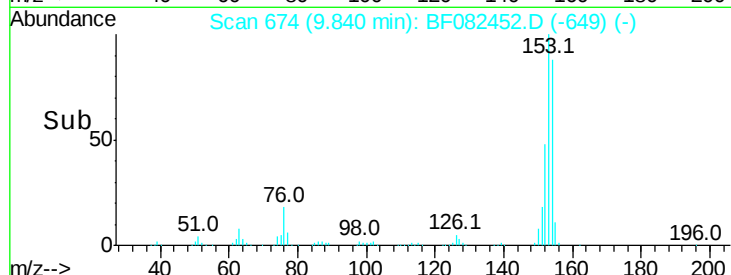
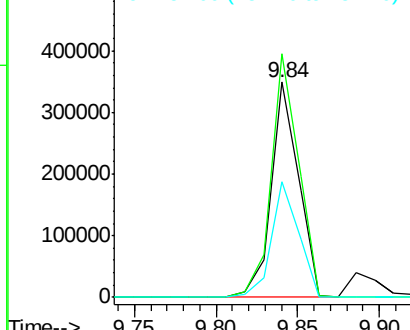
Tot Ion:	154	Resp:	408924
Ion Ratio	Lower	Upper	
154	100		
153	113.2	91.4	137.2
152	53.9	44.3	66.5

Manual Integrations
APPROVED

mmdadoda
10/23/2015 4:45:15 PM



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



#52

3-Nitroaniline

Concen: 14.48 ng

RT: 9.78 min Scan# 669

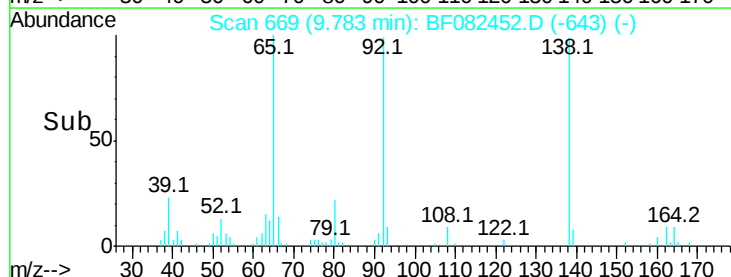
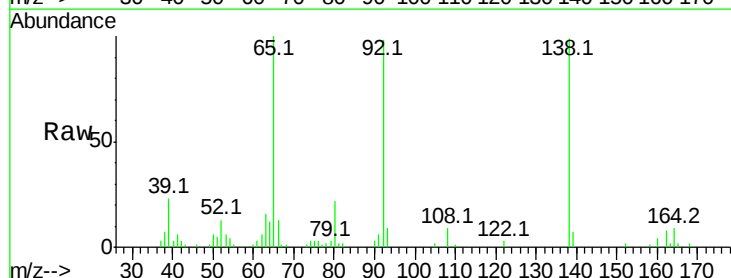
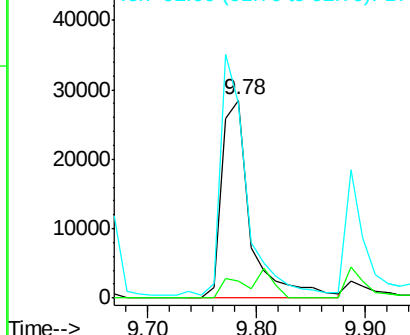
Delta R.T. -0.00 min

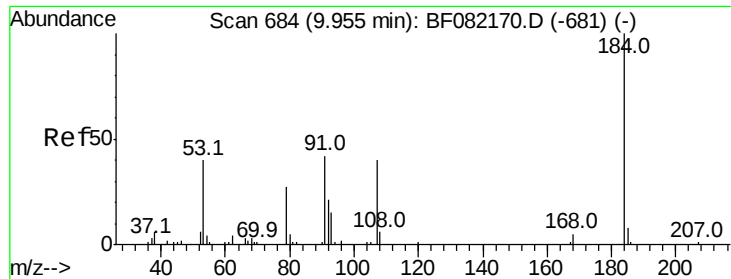
Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Tgt Ion:	138	Resp:	52270
Ion Ratio	Lower	Upper	
138	100		
108	8.6	7.4	11.0
92	98.6	81.3	121.9

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





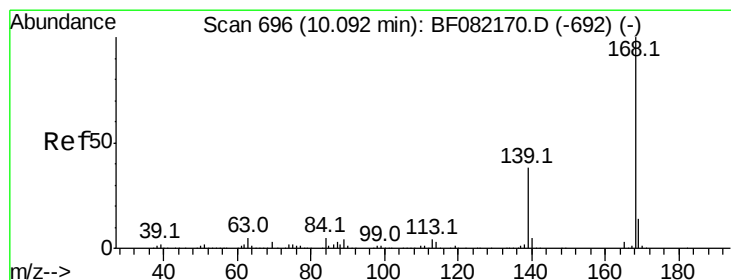
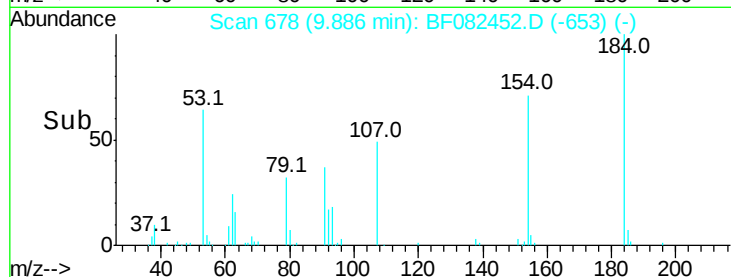
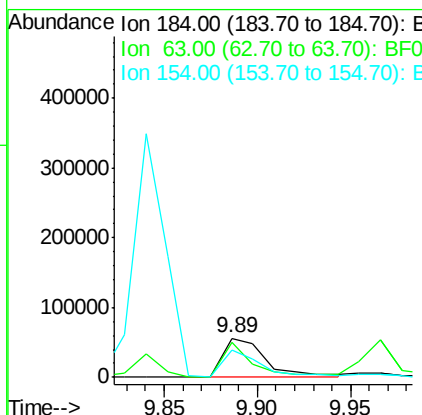
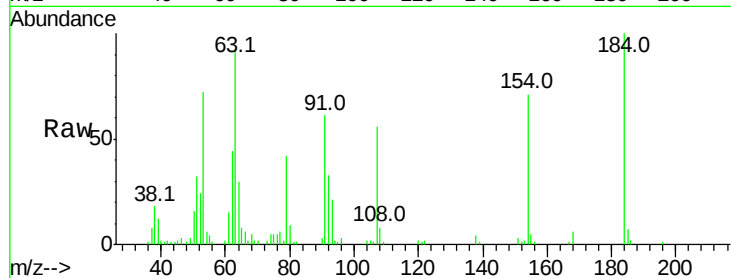
#53
 2,4-Dinitrophenol
 Concen: 53.23 ng
 RT: 9.89 min Scan# 678
 Delta R.T. -0.01 min
 Lab File: BF082452.D
 Acq: 22 Oct 2015 18:37

Instrument :
 BNA_F
 ClientSampleId :
 PB86210BSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
63	91.8	45.1	67.7#	
154	71.2	51.2	76.8	

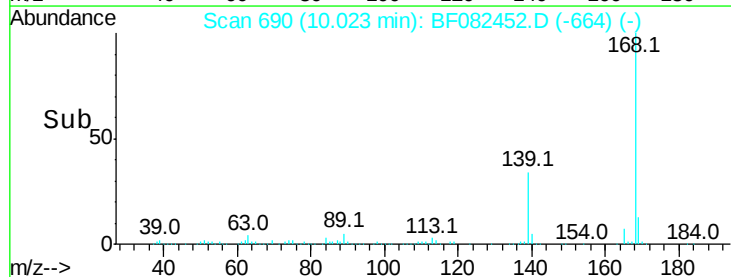
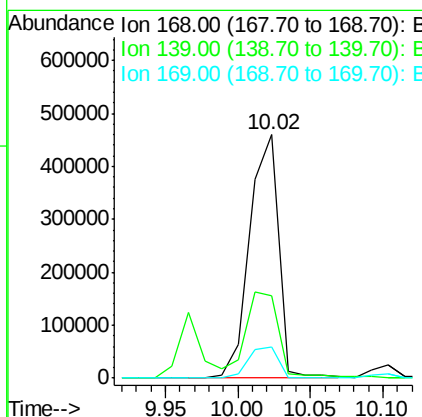
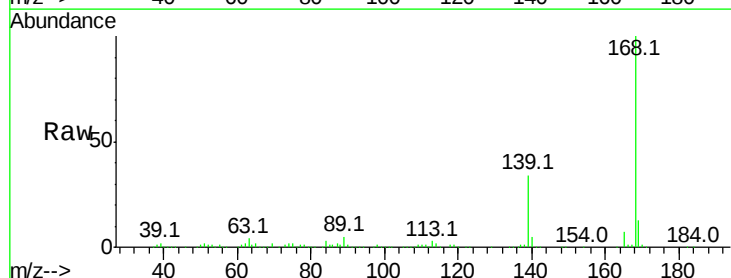
Manual Integrations
 APPROVED

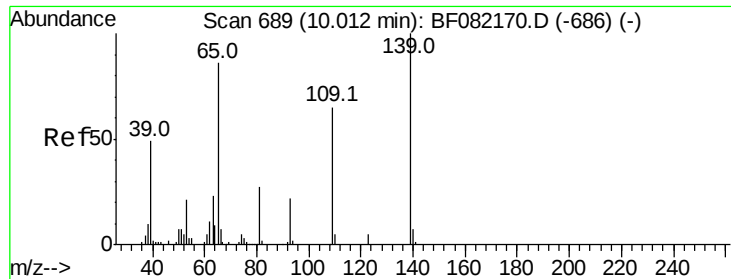
mmdadoda
 10/23/2015 4:45:15 PM



#54
 Dibenzofuran
 Concen: 38.23 ng
 RT: 10.02 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: BF082452.D
 Acq: 22 Oct 2015 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	33.8	31.0	46.6	
169	12.8	10.9	16.3	





#55

4-Nitrophenol

Concen: 60.51 ng

RT: 9.97 min Scan# 685

Delta R.T. -0.00 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Instrument :

BNA_F

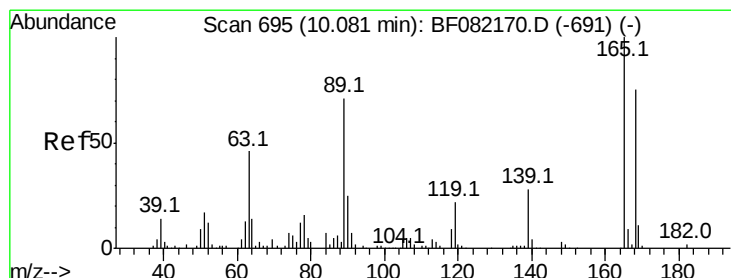
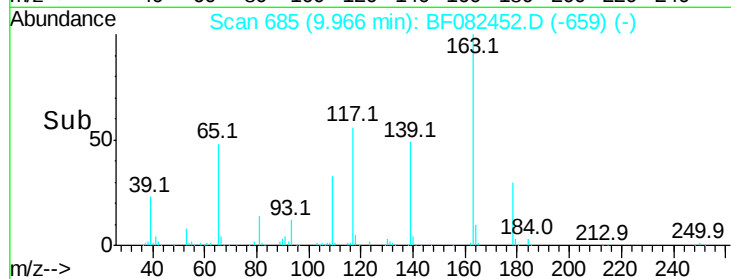
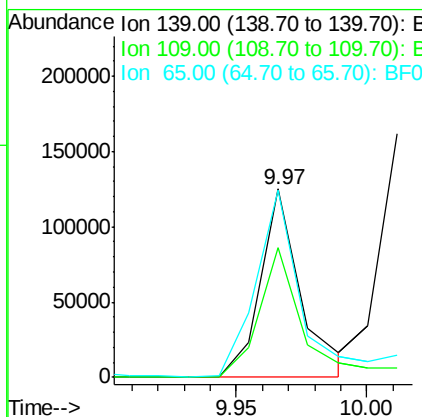
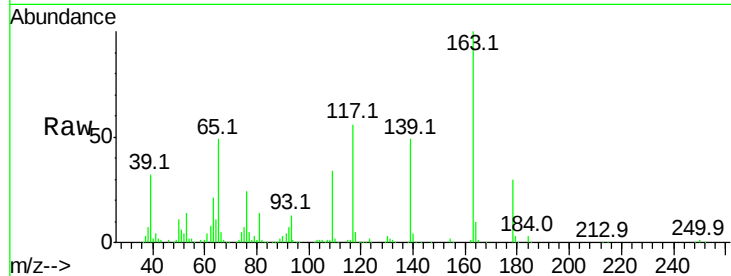
ClientSampleId :

PB86210BSD

Manual Integrations
APPROVED

mmdadoda
10/23/2015 4:45:15 PM

Tot Ion:139	Resp:	136222
Ion Ratio	Lower	Upper
139 100		
109 68.8	44.8	84.8
65 99.3	67.7	107.7



#56

2,4-Dinitrotoluene

Concen: 40.01 ng

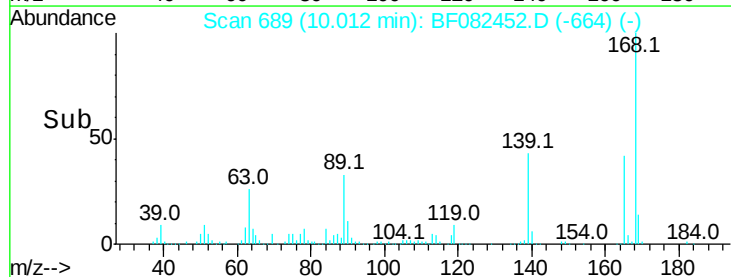
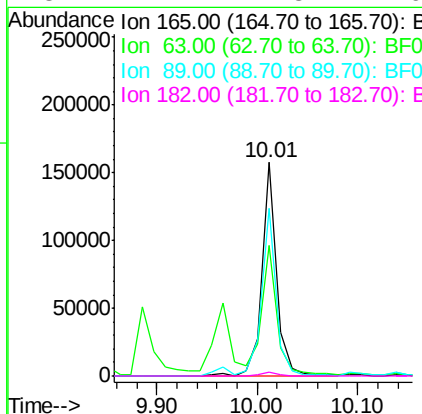
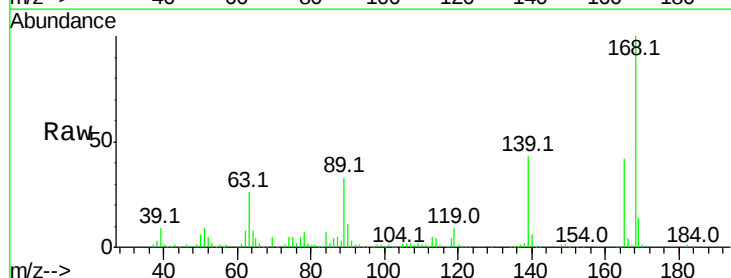
RT: 10.01 min Scan# 689

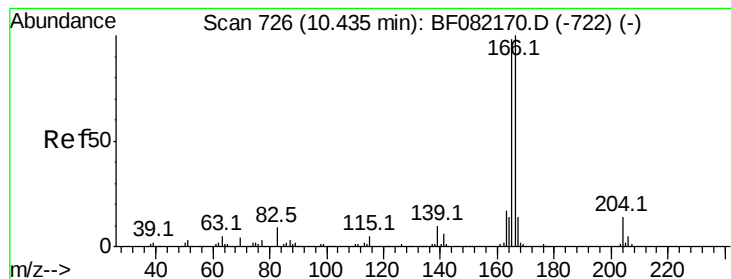
Delta R.T. -0.01 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Tgt Ion:165	Resp:	159830
Ion Ratio	Lower	Upper
165 100		
63 61.1	38.6	58.0#
89 78.6	57.0	85.6
182 2.1	1.8	2.6





#57

Fluorene

Concen: 37.59 ng

RT: 10.35 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Instrument :

BNA_F

ClientSampleId :

PB86210BSD

Tot Ion:166 Resp: 511824

Ion Ratio Lower Upper

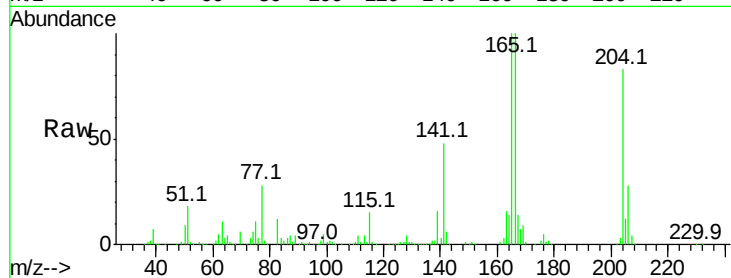
166 100

165 99.8 78.3 117.5

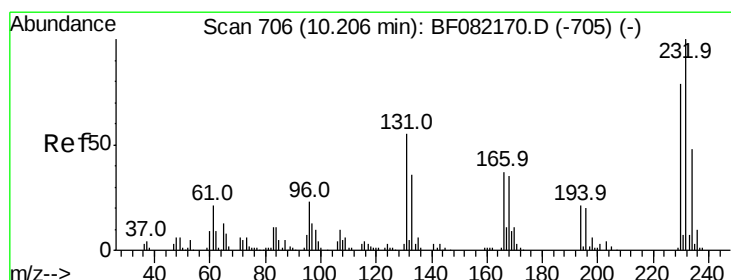
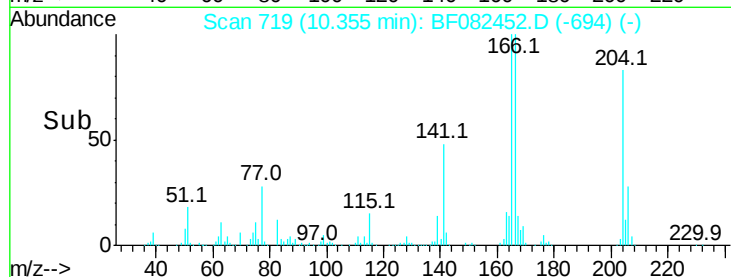
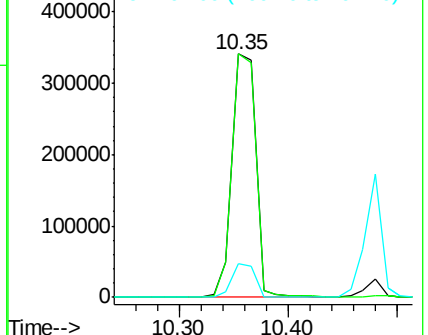
167 14.1 10.8 16.2

Manual Integrations
APPROVED

mmdadoda
10/23/2015 4:45:15 PM



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 33.53 ng

RT: 10.14 min Scan# 700

Delta R.T. -0.01 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Tgt Ion:232 Resp: 126105

Ion Ratio Lower Upper

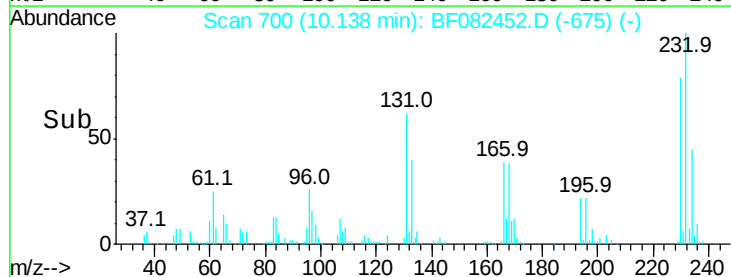
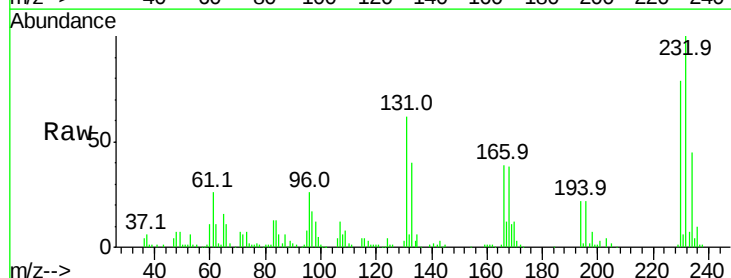
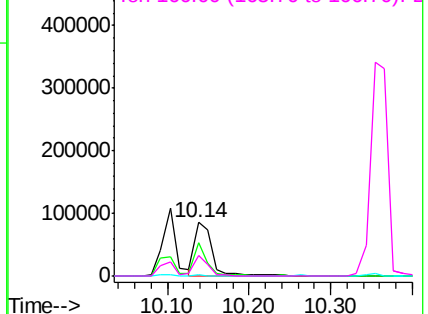
232 100

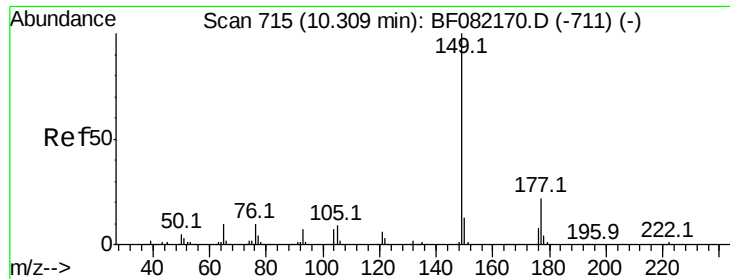
131 47.5 36.6 54.8

130 1.9 1.5 2.3

166 31.9 24.6 37.0

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





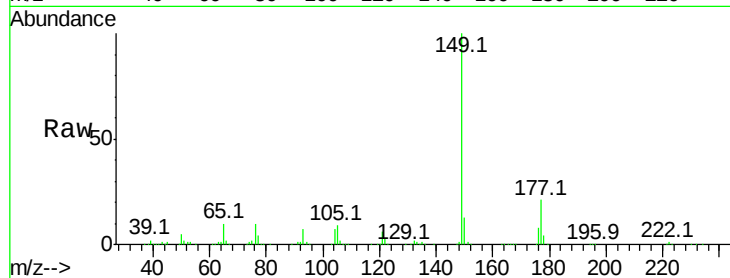
#59
Diethylphthalate
Concen: 39.26 ng
RT: 10.24 min Scan# 709
Delta R.T. -0.01 min
Lab File: BF082452.D
Acq: 22 Oct 2015 18:37

Instrument :
BNA_F
ClientSampleId :
PB86210BSD

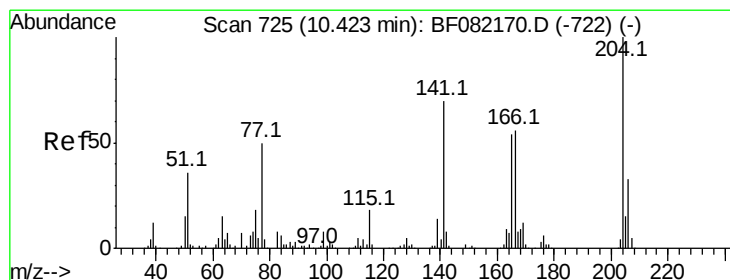
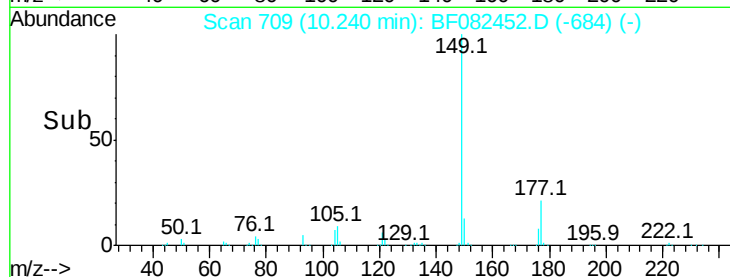
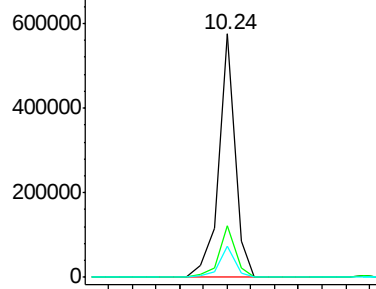
Tot Ion	Ratio	Resp Lower	Upper
149	100		
177	21.3	17.6	26.4
150	12.7	10.3	15.5

Manual Integrations
APPROVED

mmdadoda
10/23/2015 4:45:15 PM



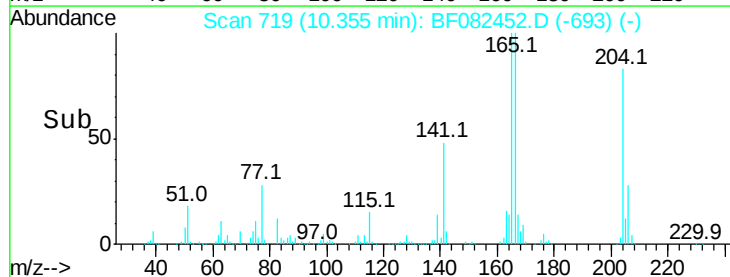
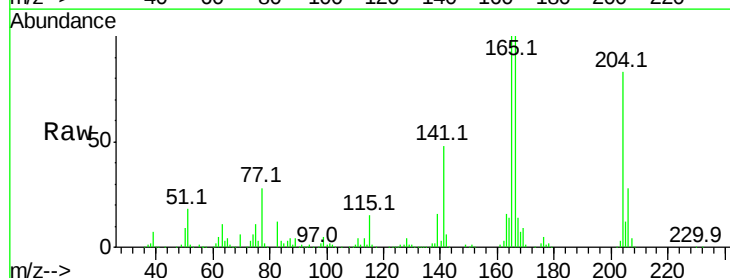
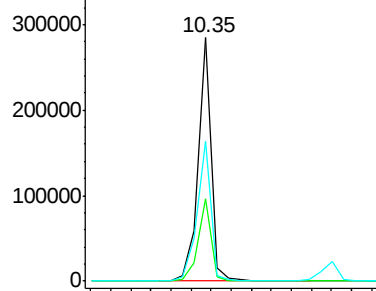
Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

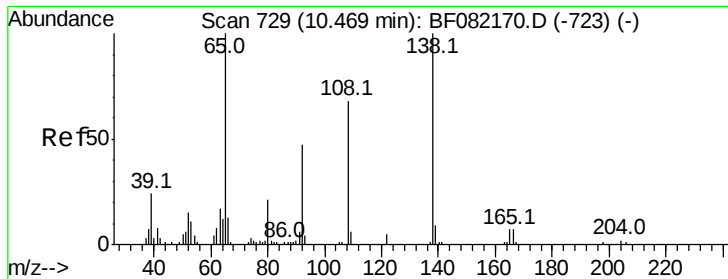


#60
4-Chlorophenyl-phenylether
Concen: 41.00 ng
RT: 10.35 min Scan# 719
Delta R.T. -0.00 min
Lab File: BF082452.D
Acq: 22 Oct 2015 18:37

Tgt Ion	Ratio	Resp Lower	Upper
204	100		
206	34.0	26.8	40.2
141	57.3	56.1	84.1

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





#61

4-Nitroaniline

Concen: 37.00 ng

RT: 10.40 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Instrument :

BNA_F

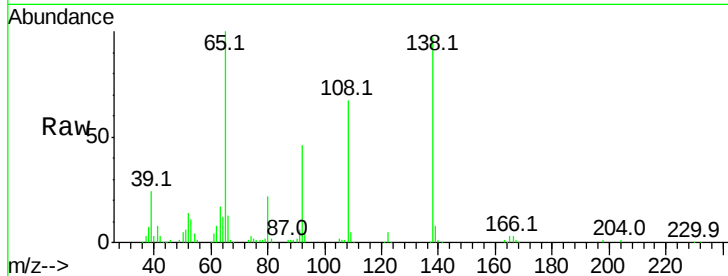
ClientSampleId :

PB86210BSD

Tot Ion:	138	Resp:	129560
Ion Ratio	Lower	Upper	
138	100		
92	47.2	26.8	66.8
108	68.9	48.4	88.4

Manual Integrations
APPROVED

mmdadoda
10/23/2015 4:45:15 PM



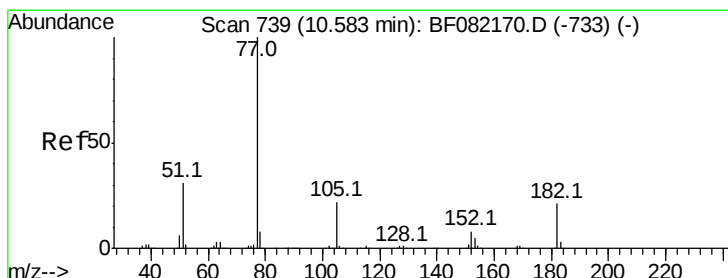
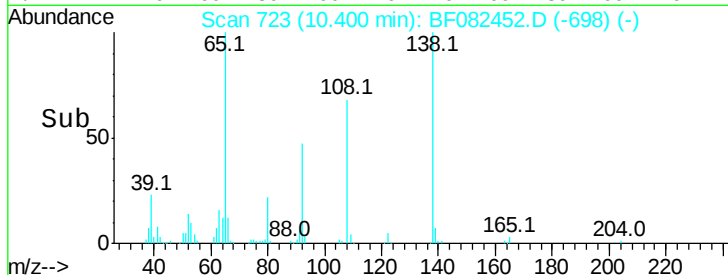
Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E

10.40

Time-->



#62

Azobenzene

Concen: 39.95 ng

RT: 10.51 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Tgt Ion:	77	Resp:	552087
Ion Ratio	Lower	Upper	
77	100		
182	26.9	0.5	40.5
105	23.6	1.8	41.8
51	28.5	11.2	51.2

Abundance Ion 77.00 (76.70 to 77.70): BF0

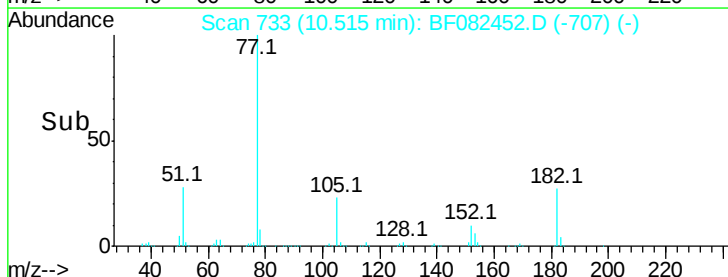
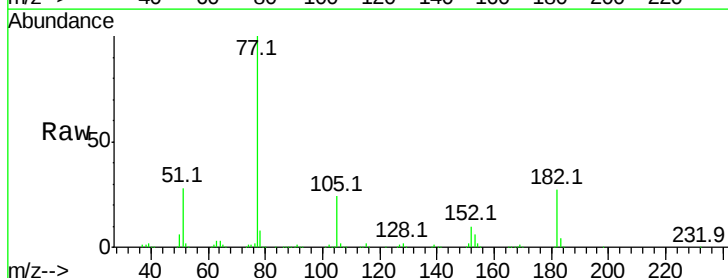
Ion 182.00 (181.70 to 182.70): E

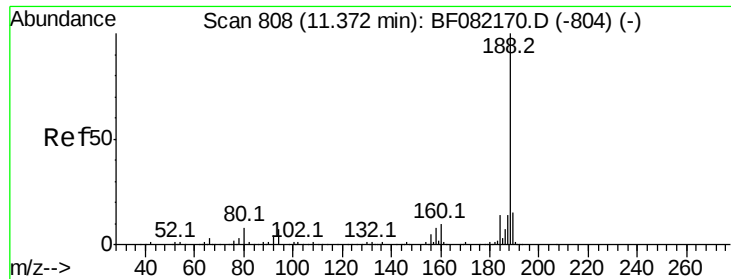
Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

10.51

Time-->





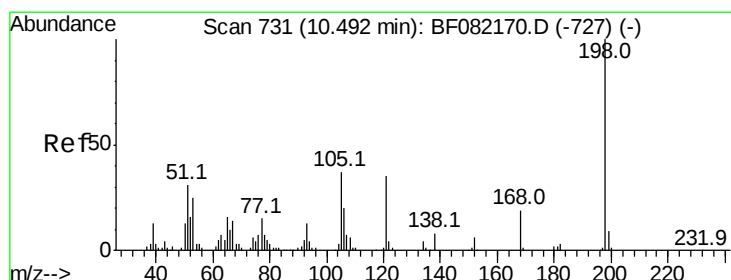
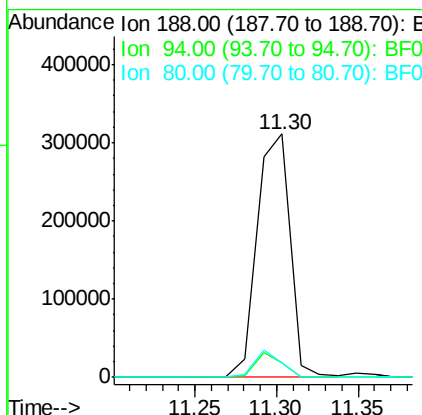
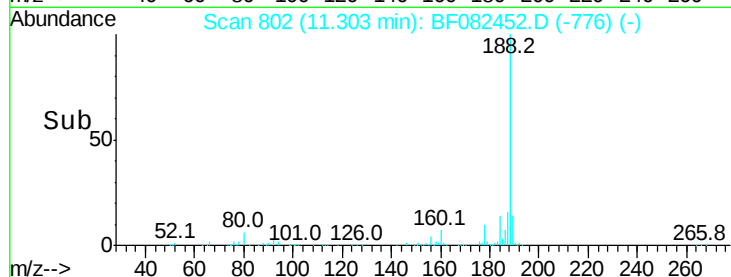
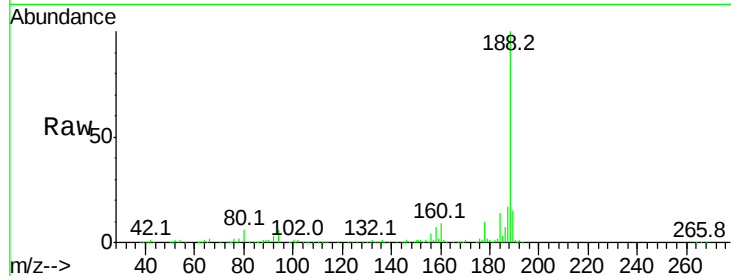
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF082452.D
Acq: 22 Oct 2015 18:37

Instrument :
BNA_F
ClientSampleId :
PB86210BSD

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	5.9	5.8	8.6
80	6.1	6.4	9.6

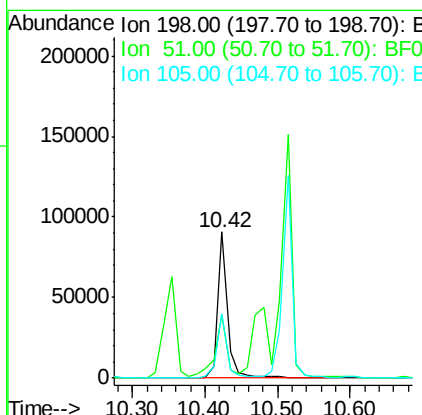
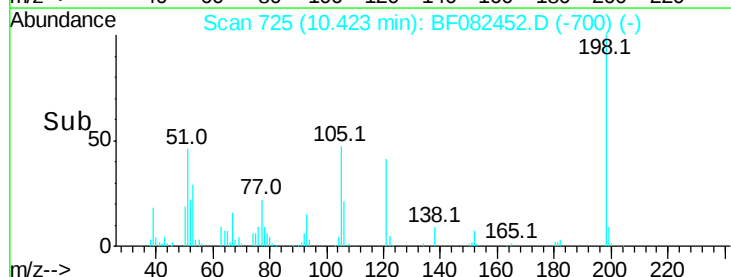
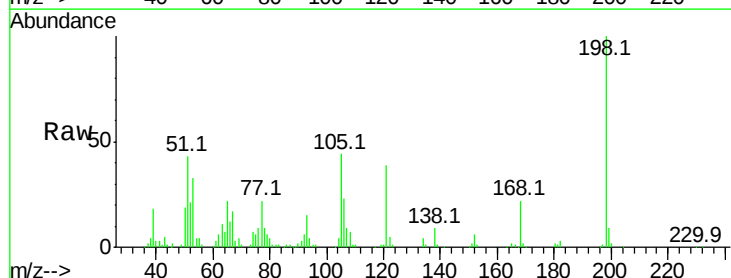
Manual Integrations
APPROVED

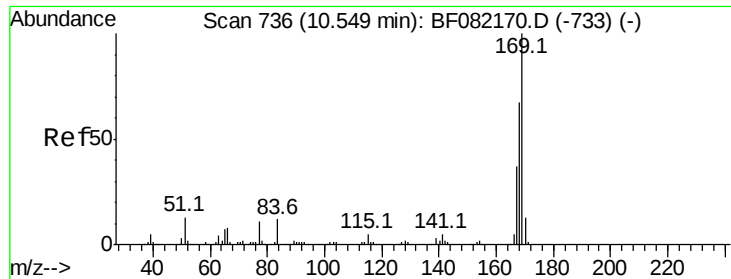
mmdadoda
10/23/2015 4:45:15 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 35.18 ng
RT: 10.42 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF082452.D
Acq: 22 Oct 2015 18:37

Tgt Ion	Ratio	Resp Lower	Upper
198	100		
51	43.2	13.6	53.6
105	44.0	17.1	57.1





#65

n-Nitrosodiphenylamine

Concen: 37.22 ng

RT: 10.48 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Instrument :

BNA_F

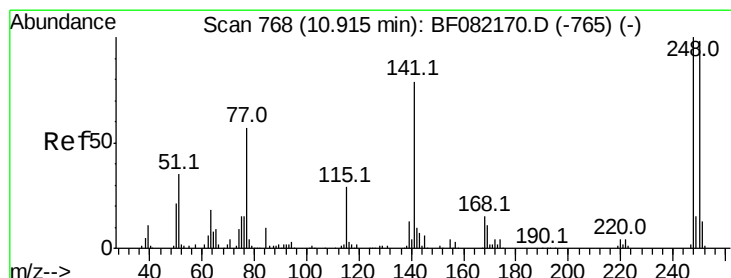
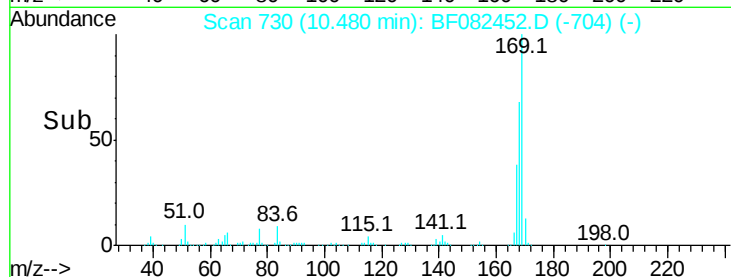
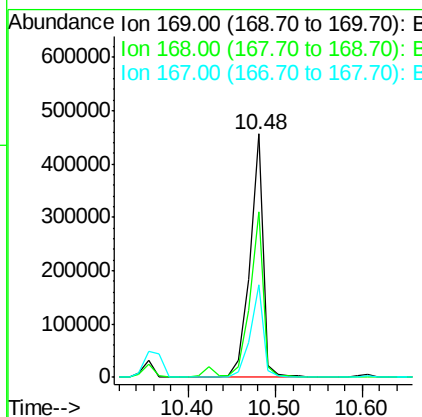
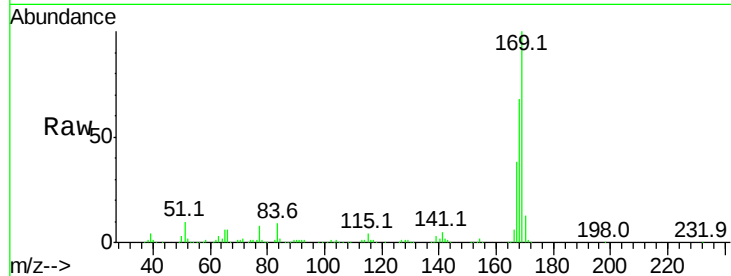
ClientSampleId :

PB86210BSD

Manual Integrations
APPROVED

mmdadoda
10/23/2015 4:45:15 PM

Tot Ion	Ratio	Resp	Lower	Upper
169	100			
168	68.2	54.0	81.0	
167	37.9	29.6	44.4	



#66

4-Bromophenyl-phenylether

Concen: 35.22 ng

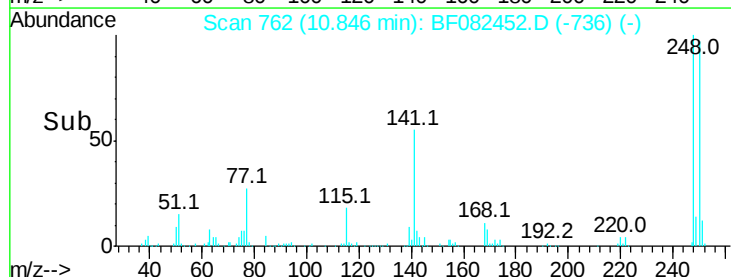
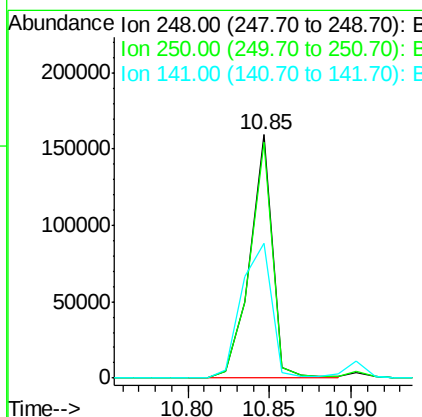
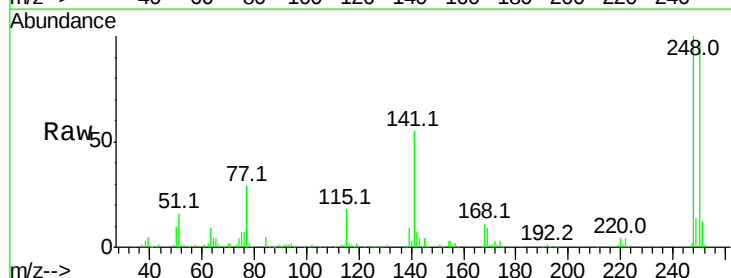
RT: 10.85 min Scan# 762

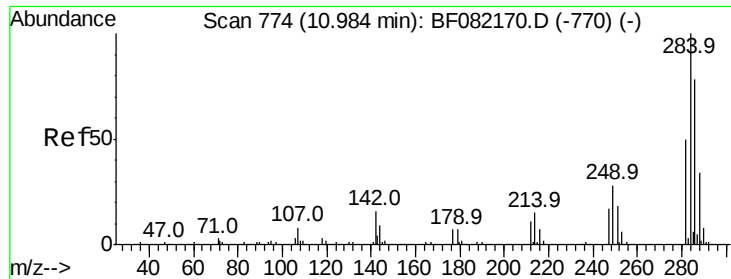
Delta R.T. -0.00 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
248	100			
250	96.7	78.6	117.8	
141	55.2	63.3	94.9#	





#67

Hexachlorobenzene

Concen: 32.39 ng

RT: 10.90 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Instrument :

BNA_F

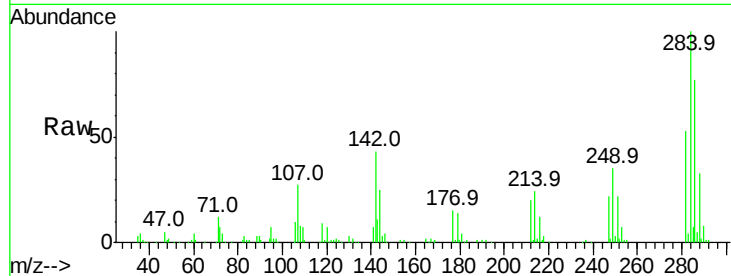
ClientSampleId :

PB86210BSD

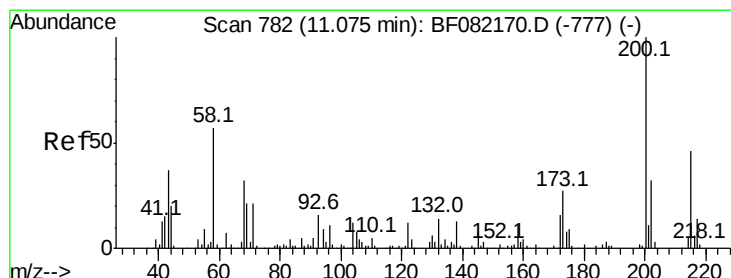
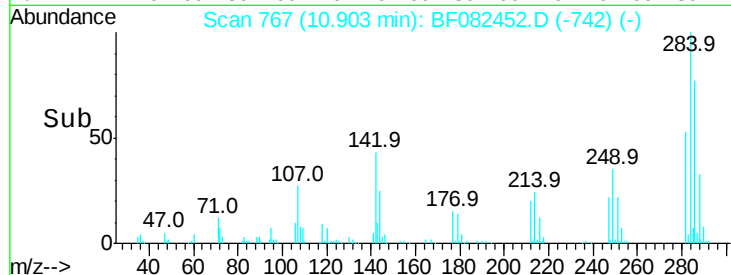
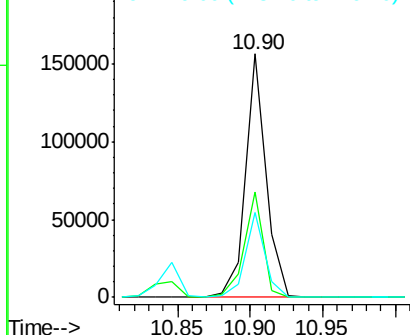
Tot Ion:	284	Resp:	153574
Ion Ratio		Lower	Upper
284	100		
142	43.2	13.0	19.6#
249	35.0	22.5	33.7#

Manual Integrations
APPROVED

mmdadoda
10/23/2015 4:45:15 PM



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



#68

Atrazine

Concen: 36.06 ng

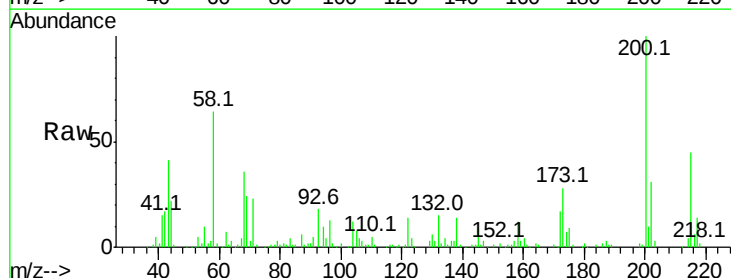
RT: 11.01 min Scan# 776

Delta R.T. -0.01 min

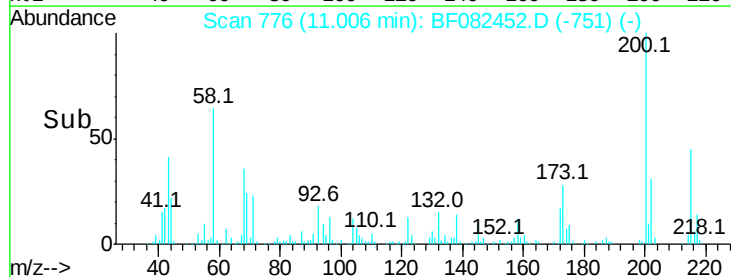
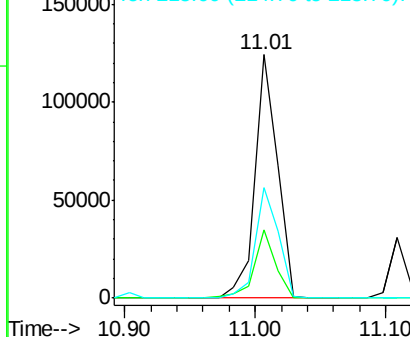
Lab File: BF082452.D

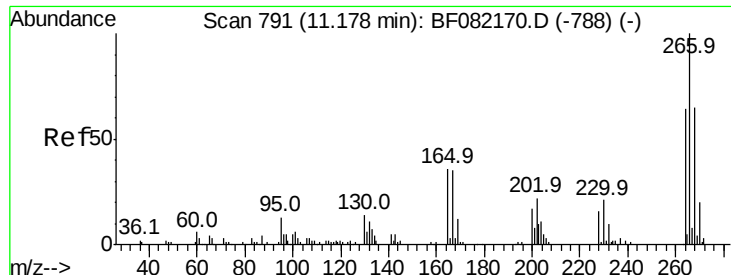
Acq: 22 Oct 2015 18:37

Tgt Ion:	200	Resp:	149835
Ion Ratio		Lower	Upper
200	100		
173	27.8	7.3	47.3
215	45.2	26.2	66.2



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





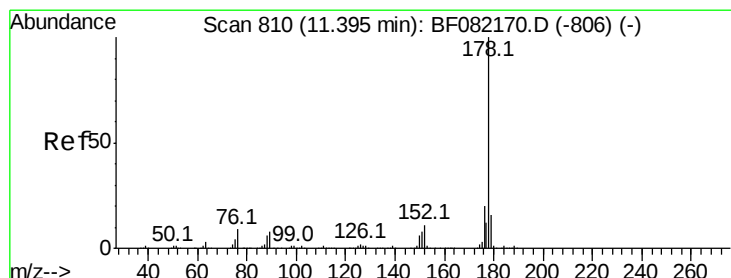
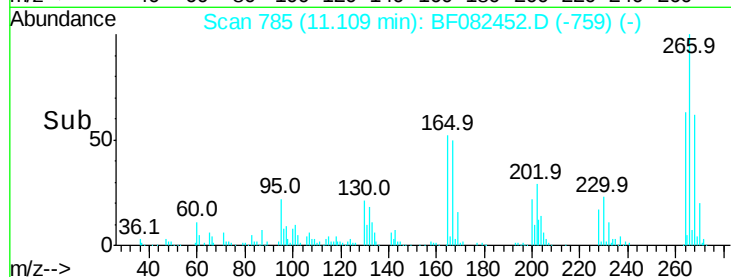
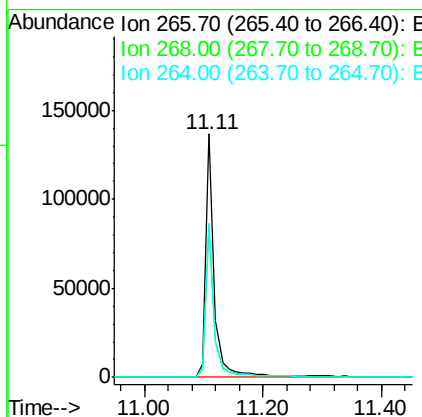
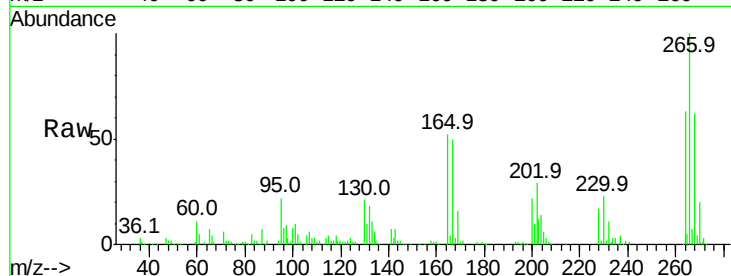
#69
 Pentachlorophenol
 Concen: 58.82 ng
 RT: 11.11 min Scan# 785
 Delta R.T. -0.00 min
 Lab File: BF082452.D
 Acq: 22 Oct 2015 18:37

Instrument :
 BNA_F
 ClientSampleId :
 PB86210BSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	143530		
268	62.4	52.0	78.0	
264	63.2	51.4	77.0	

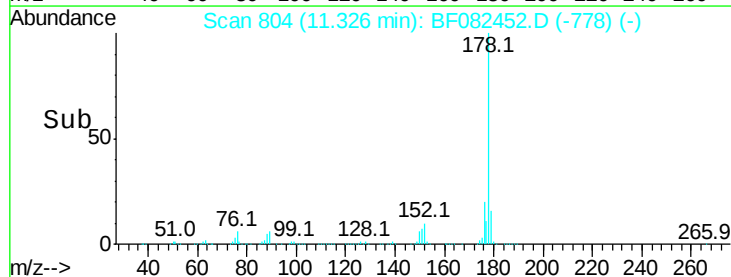
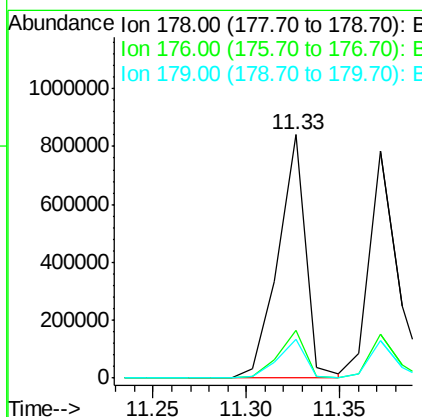
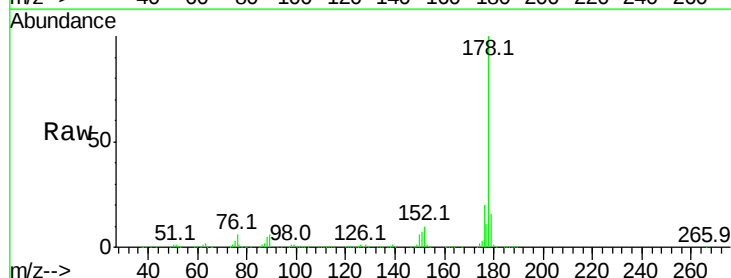
Manual Integrations
 APPROVED

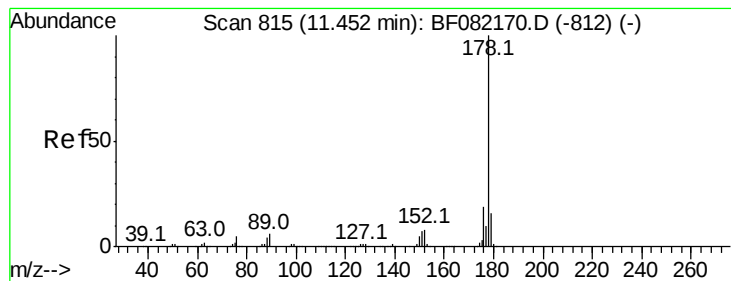
mmdadoda
 10/23/2015 4:45:15 PM



#70
 Phenanthrene
 Concen: 40.21 ng
 RT: 11.33 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: BF082452.D
 Acq: 22 Oct 2015 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	863386		
176	19.8	16.0	24.0	
179	15.7	12.6	19.0	





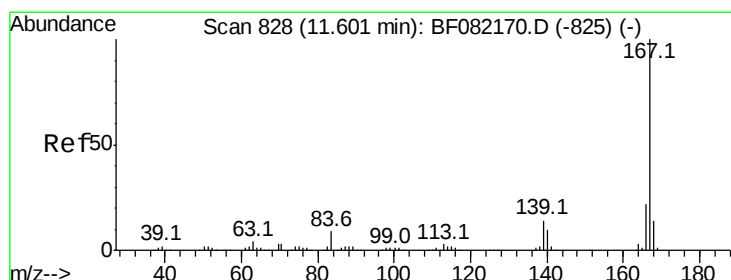
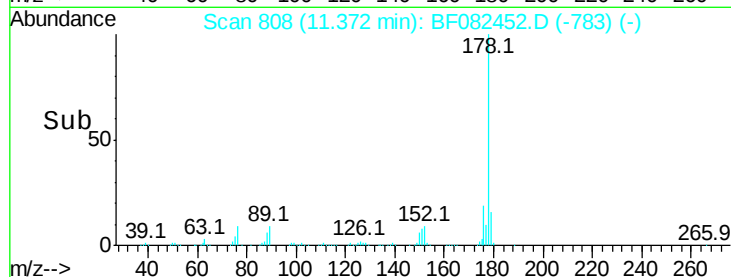
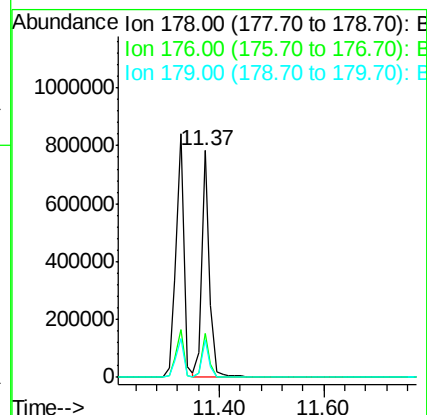
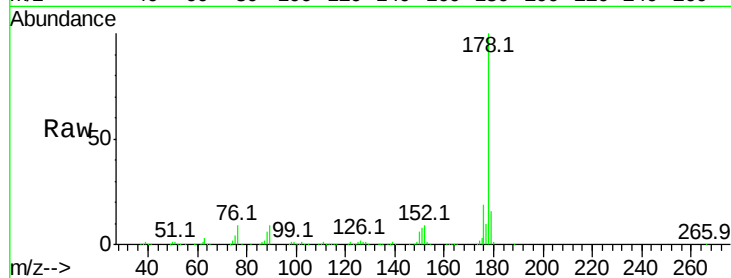
#71
 Anthracene
 Concen: 36.48 ng
 RT: 11.37 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF082452.D
 Acq: 22 Oct 2015 18:37

Instrument :
 BNA_F
 ClientSampleId :
 PB86210BSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	16.3	12.5	18.7

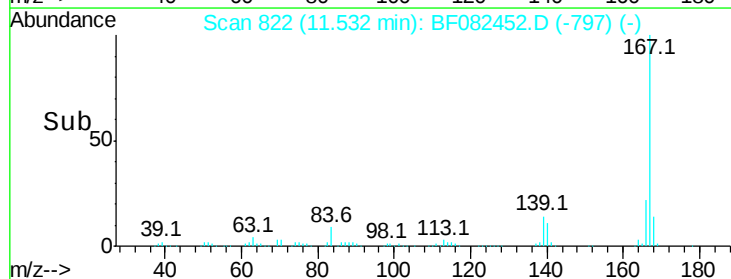
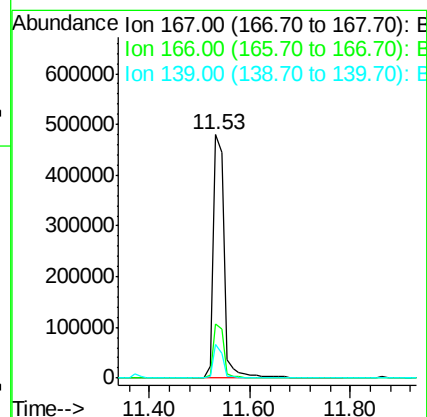
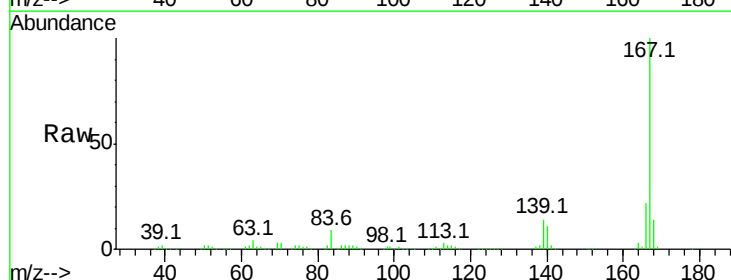
Manual Integrations
 APPROVED

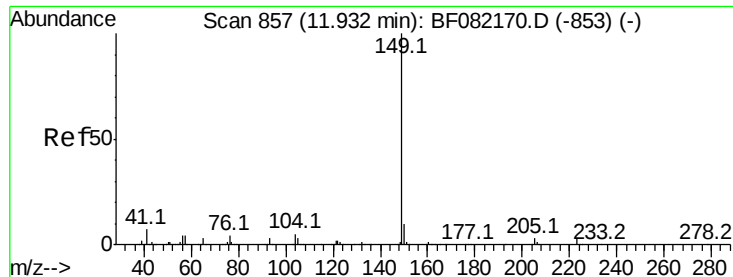
mmdadoda
 10/23/2015 4:45:15 PM



#72
 Carbazole
 Concen: 36.09 ng
 RT: 11.53 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: BF082452.D
 Acq: 22 Oct 2015 18:37

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.3	25.9
139	14.1	11.2	16.8





#73

Di-n-butylphthalate

Concen: 35.61 ng

RT: 11.86 min Scan# 851

Delta R.T. -0.00 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Instrument :

BNA_F

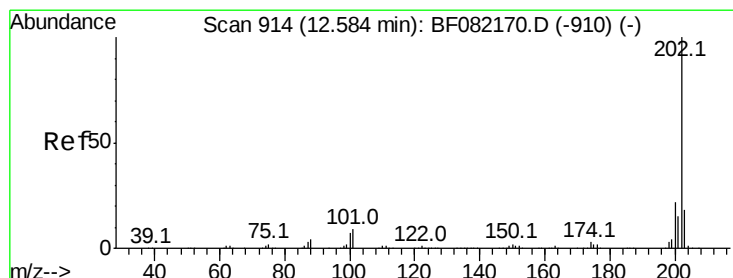
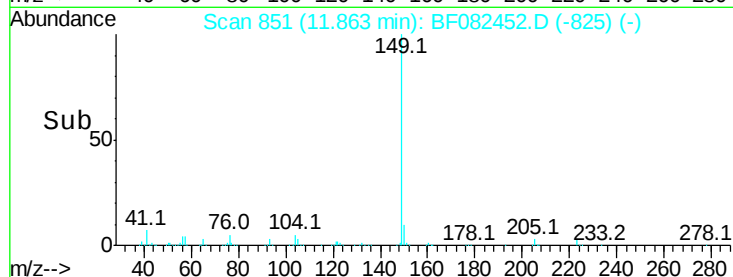
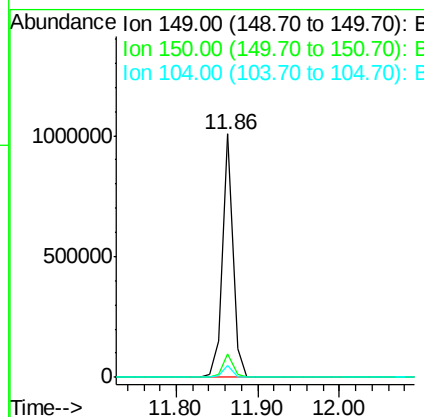
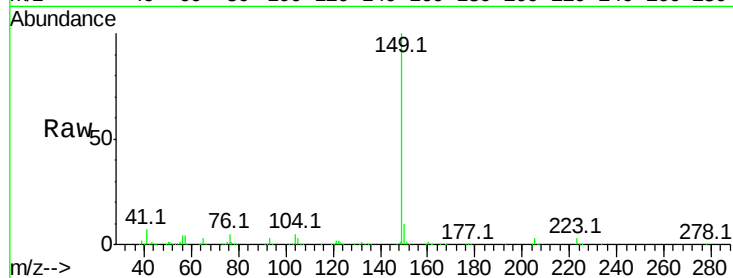
ClientSampleId :

PB86210BSD

Tot Ion:	149	Resp:	886648
Ion Ratio	Lower	Upper	
149	100		
150	9.7	7.8	11.6
104	4.8	3.8	5.8

Manual Integrations
APPROVED

mmdadoda
10/23/2015 4:45:15 PM



#74

Fluoranthene

Concen: 39.89 ng

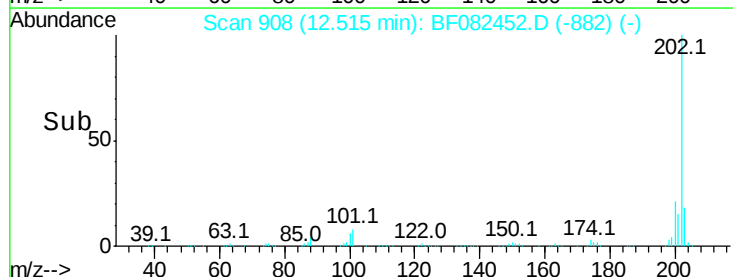
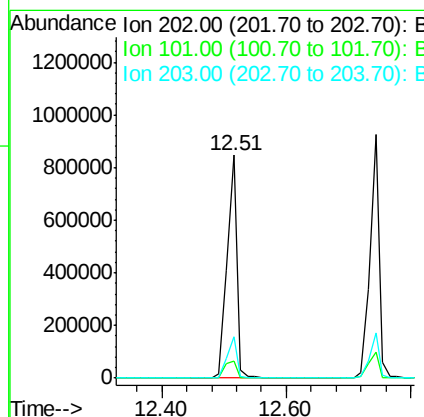
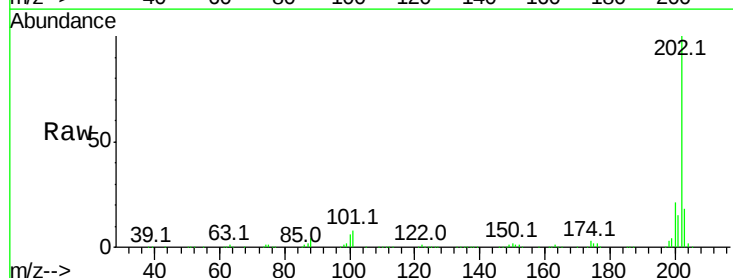
RT: 12.51 min Scan# 908

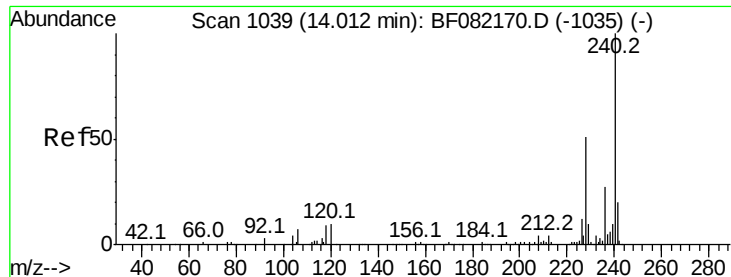
Delta R.T. -0.00 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Tgt Ion:	202	Resp:	920100
Ion Ratio	Lower	Upper	
202	100		
101	7.9	0.0	29.3
203	18.3	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Instrument :

BNA_F

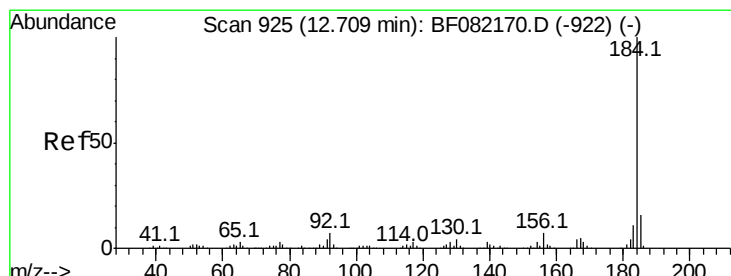
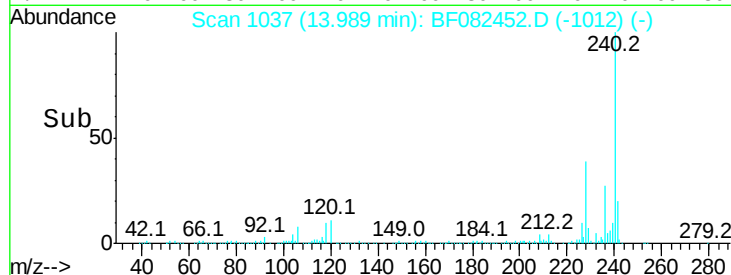
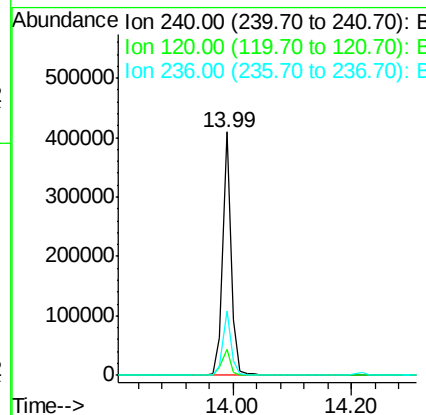
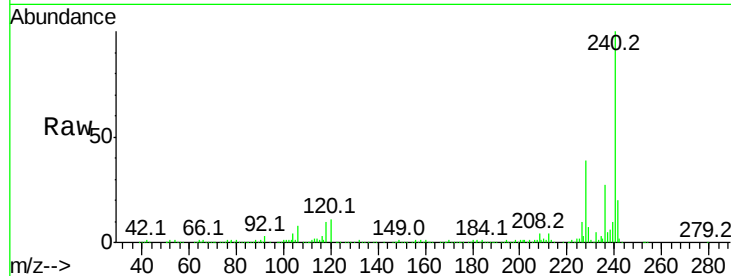
ClientSampleId :

PB86210BSD

Tot Ion:	240	Resp:	404734
Ion Ratio	Lower	Upper	
240	100		
120	10.9	8.1	12.1
236	26.7	21.3	31.9

Manual Integrations
APPROVED

mmdadoda
10/23/2015 4:45:15 PM



#76

Benzidine

Concen: 22.56 ng

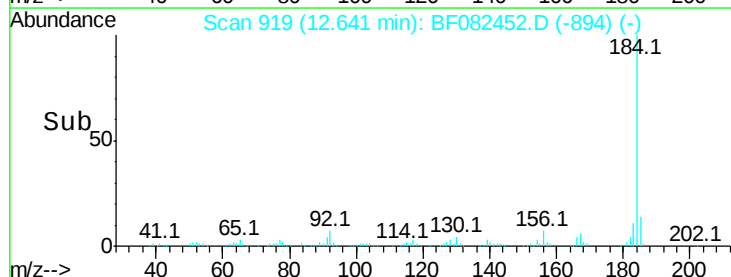
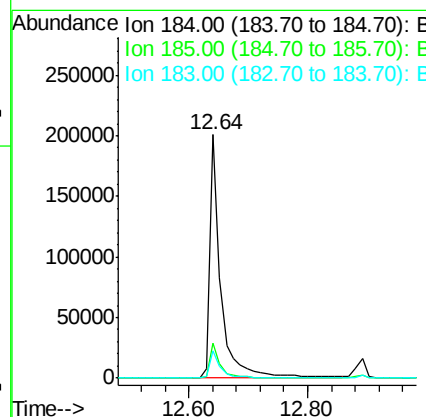
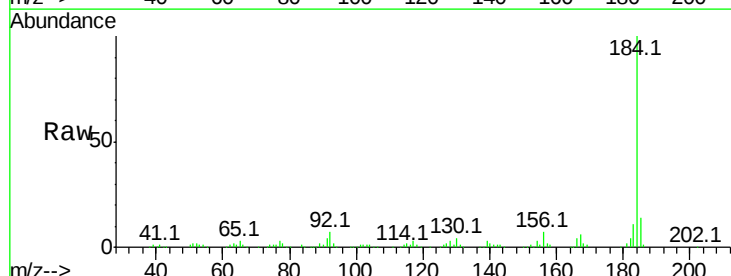
RT: 12.64 min Scan# 919

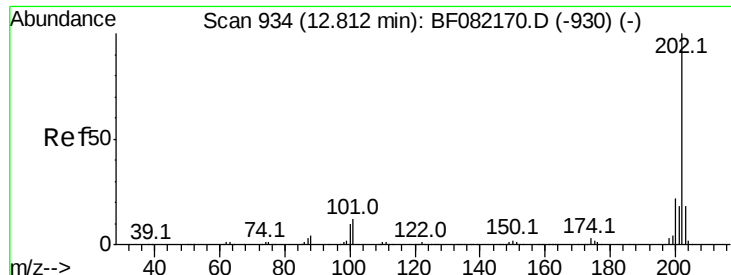
Delta R.T. -0.01 min

Lab File: BF082452.D

Acq: 22 Oct 2015 18:37

Tgt Ion:	184	Resp:	264634
Ion Ratio	Lower	Upper	
184	100		
185	14.1	12.5	18.7
183	11.2	9.1	13.7





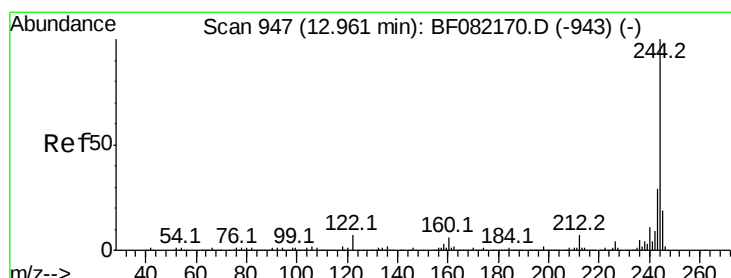
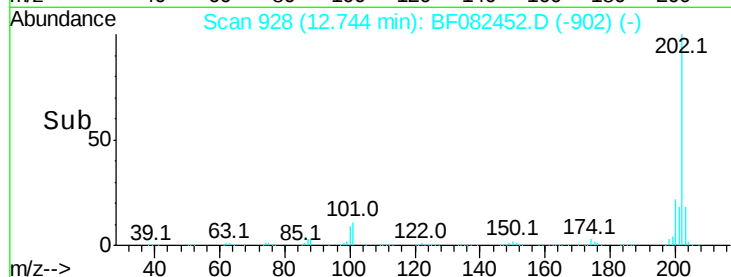
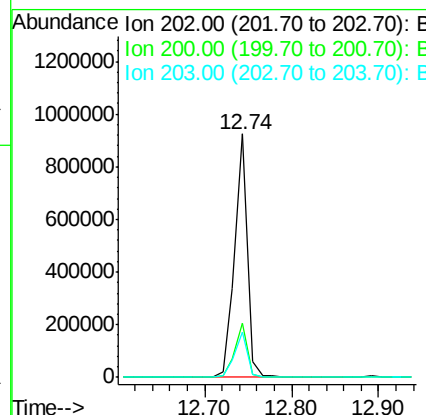
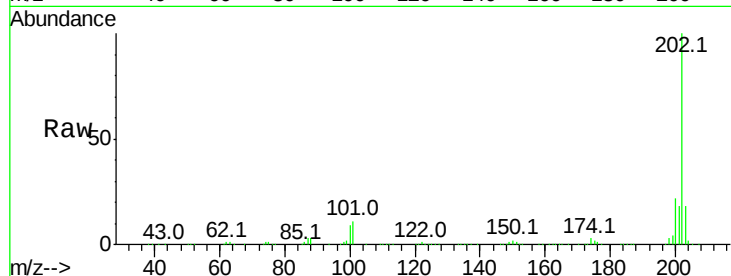
#77
Pvrene
Concen: 38.65 ng
RT: 12.74 min Scan# 928
Delta R.T. -0.00 min
Lab File: BF082452.D
Acq: 22 Oct 2015 18:37

Instrument :
BNA_F
ClientSampleId :
PB86210BSD

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.5	17.9	26.9
203	18.4	14.5	21.7

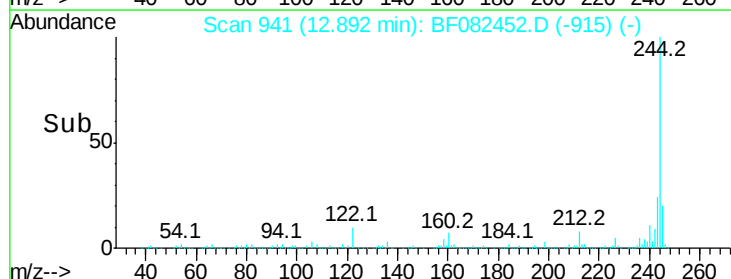
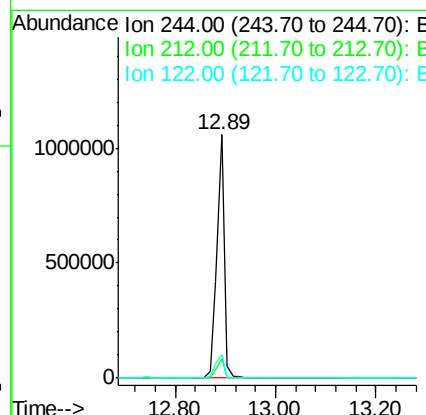
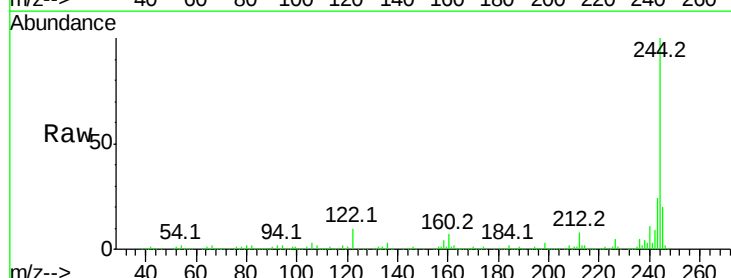
Manual Integrations
APPROVED

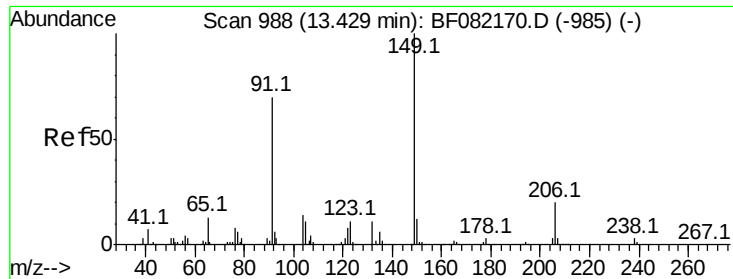
mmdadoda
10/23/2015 4:45:15 PM



#78
Terphenyl-d14
Concen: 72.16 ng
RT: 12.89 min Scan# 941
Delta R.T. -0.00 min
Lab File: BF082452.D
Acq: 22 Oct 2015 18:37

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	8.0	5.8	8.6
122	9.8	5.9	8.9#





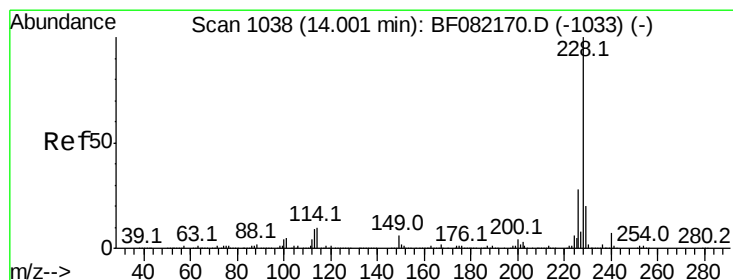
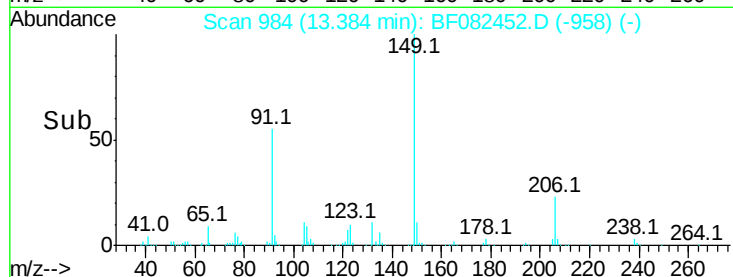
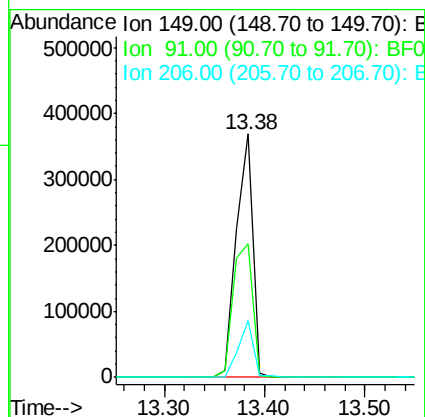
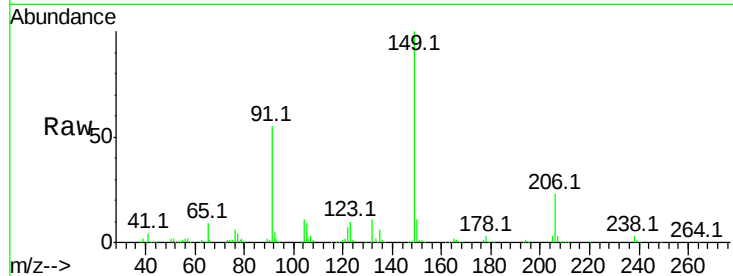
#79
Butylbenzylphthalate
Concen: 38.58 ng
RT: 13.38 min Scan# 984
Delta R.T. -0.00 min
Lab File: BF082452.D
Acq: 22 Oct 2015 18:37

Instrument :
BNA_F
ClientSampleId :
PB86210BSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	422934		
91	54.6	55.7	83.5#	
206	23.3	15.6	23.4	

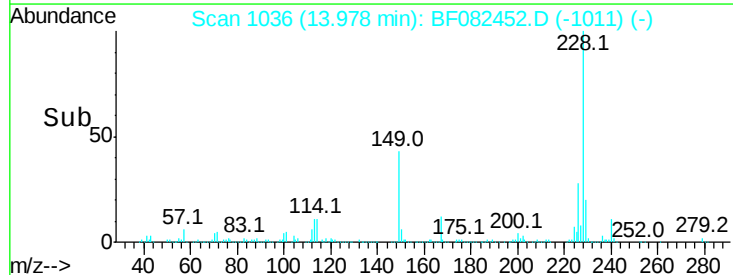
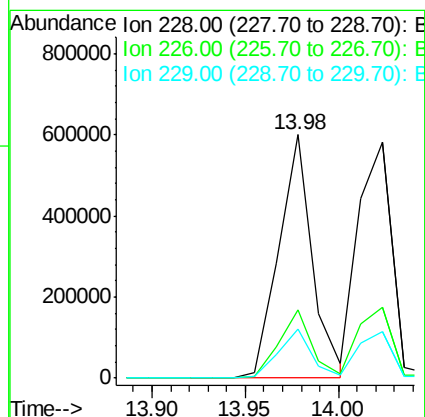
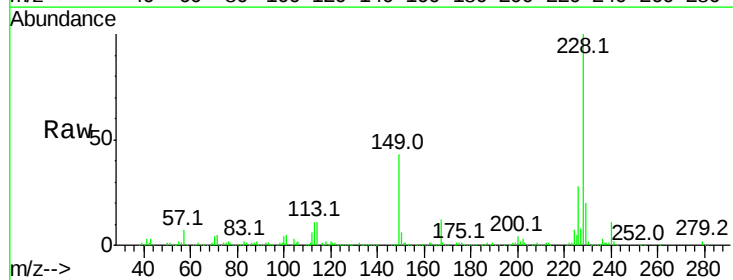
Manual Integrations
APPROVED

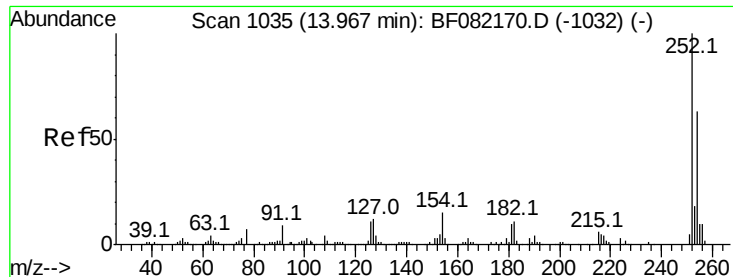
mmdadoda
10/23/2015 4:45:15 PM



#80
Benzo(a)anthracene
Concen: 35.61 ng
RT: 13.98 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF082452.D
Acq: 22 Oct 2015 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	749940		
226	28.2	22.3	33.5	
229	20.1	16.2	24.2	





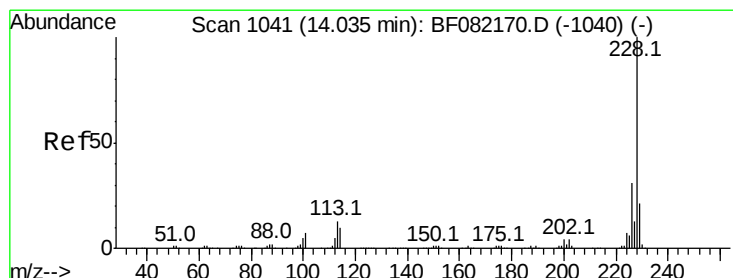
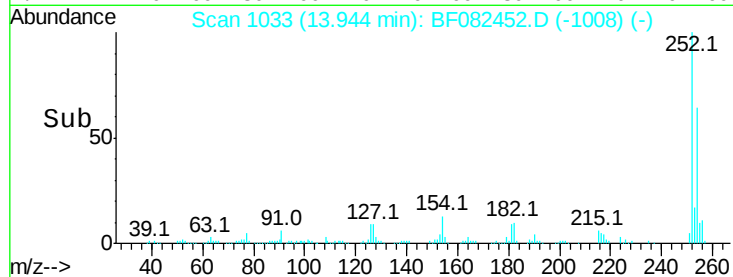
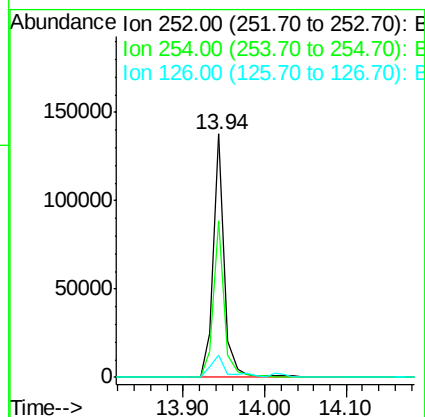
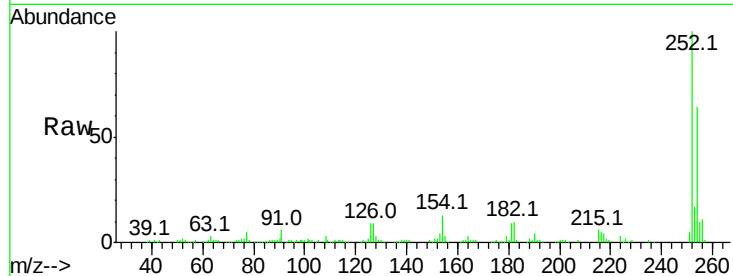
#81
 3,3'-Dichlorobenzidine
 Concen: 16.81 ng
 RT: 13.94 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BF082452.D
 Acq: 22 Oct 2015 18:37

Instrument :
 BNA_F
 ClientSampleId :
 PB86210BSD

Tot Ion	Ratio	Resp Lower	Resp Upper
252	100		
254	64.1	50.7	76.1
126	9.0	9.0	13.6

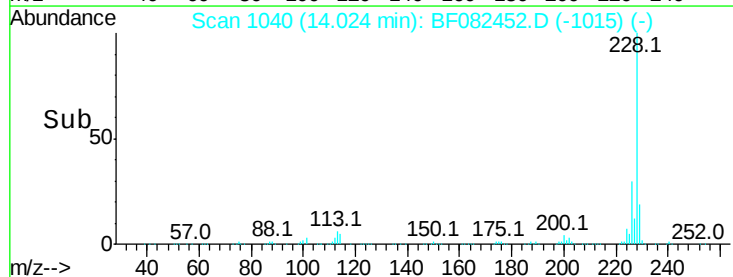
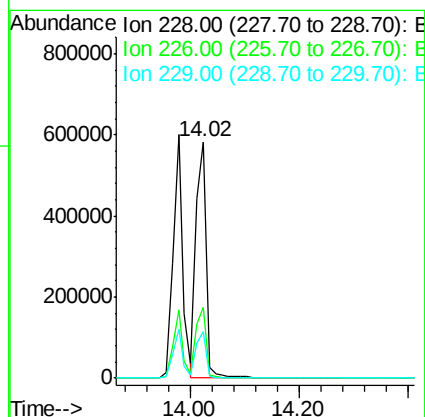
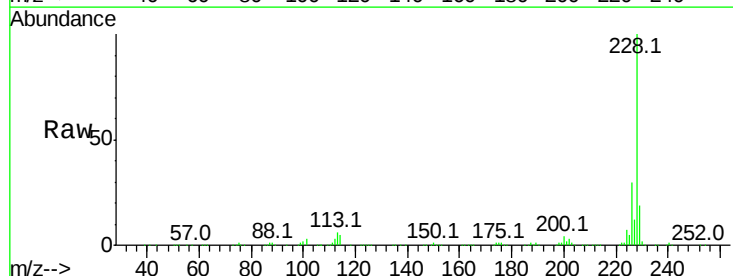
Manual Integrations
 APPROVED

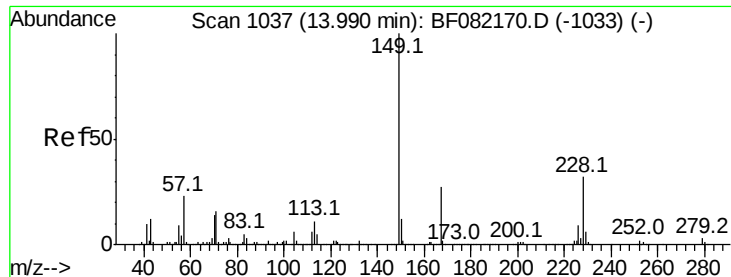
mmdadoda
 10/23/2015 4:45:15 PM



#82
 Chrysene
 Concen: 33.83 ng
 RT: 14.02 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: BF082452.D
 Acq: 22 Oct 2015 18:37

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.2	24.4	36.6
229	19.4	16.3	24.5





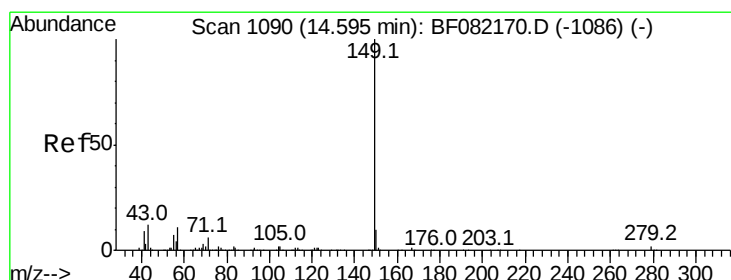
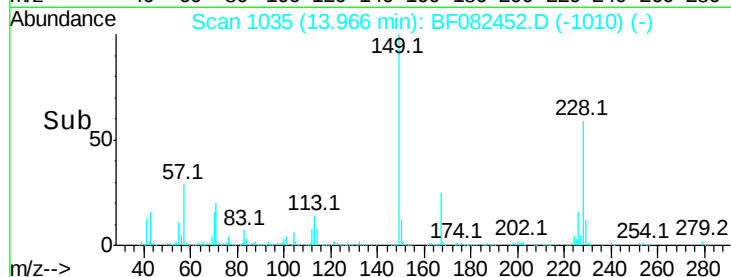
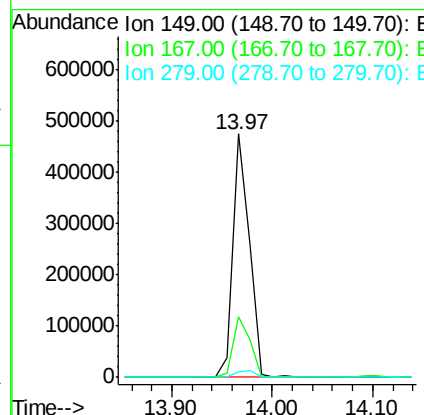
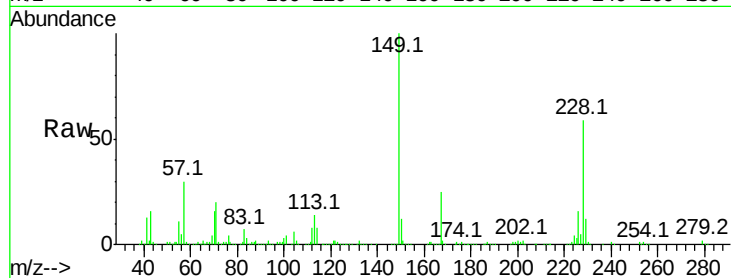
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 34.42 ng
 RT: 13.97 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BF082452.D
 Acq: 22 Oct 2015 18:37

Instrument :
 BNA_F
 ClientSampleId :
 PB86210BSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	24.9	21.3	31.9	
279	2.1	2.6	4.0	

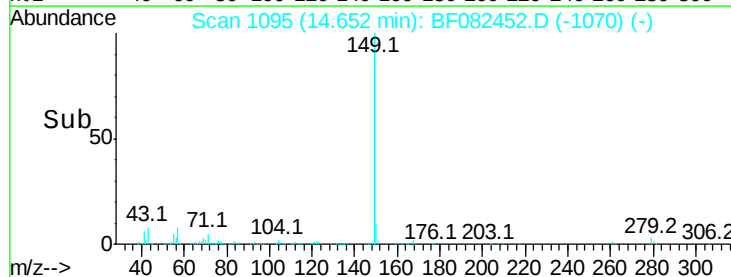
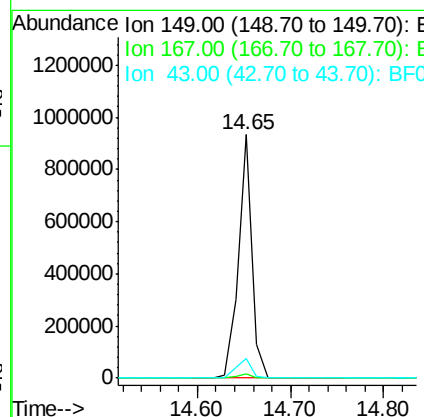
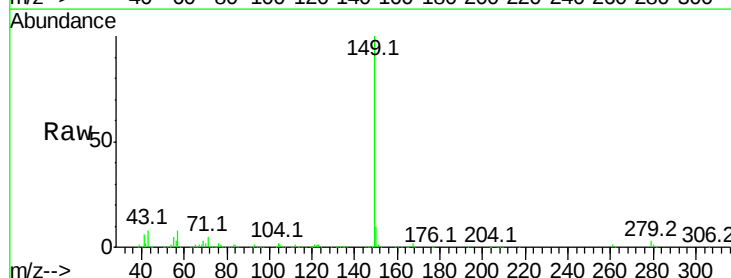
Manual Integrations
 APPROVED

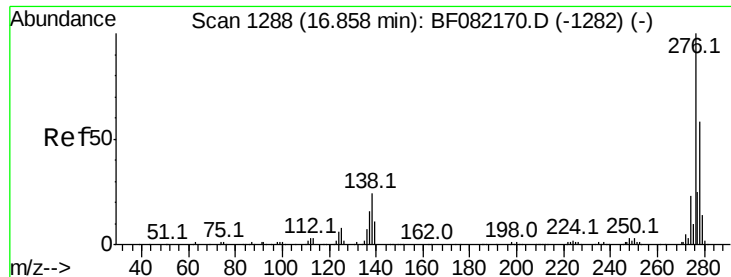
mmdadoda
 10/23/2015 4:45:15 PM



#84
 Di-n-octyl phthalate
 Concen: 35.27 ng
 RT: 14.65 min Scan# 1095
 Delta R.T. -0.01 min
 Lab File: BF082452.D
 Acq: 22 Oct 2015 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
167	1.5	1.3	1.9	
43	9.1	7.4	11.2	





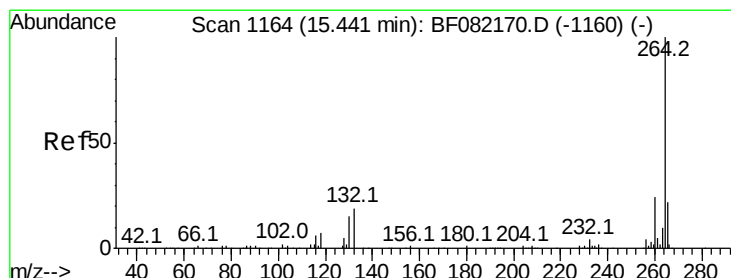
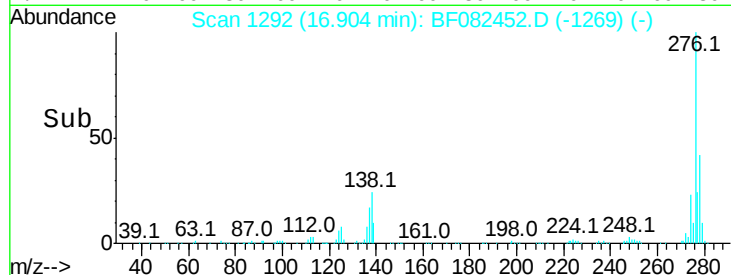
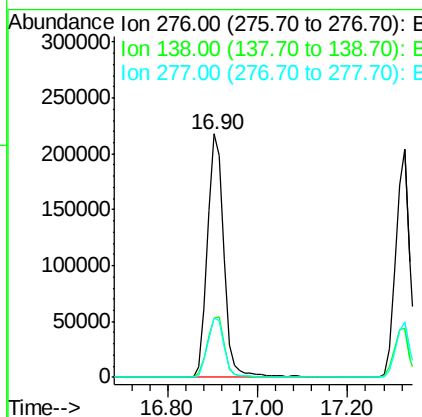
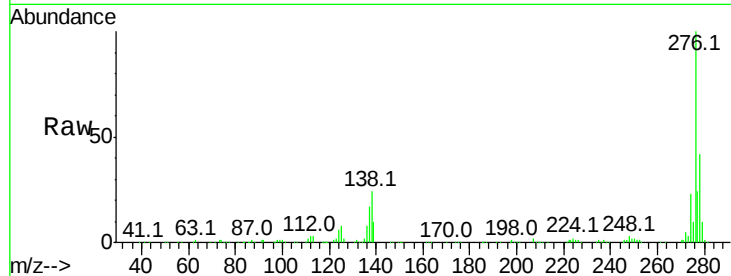
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 31.69 ng
 RT: 16.90 min Scan# 1292
 Delta R.T. -0.03 min
 Lab File: BF082452.D
 Acq: 22 Oct 2015 18:37

Instrument :
 BNA_F
 ClientSampleId :
 PB86210BSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.1	19.7	29.5
277	24.5	20.1	30.1

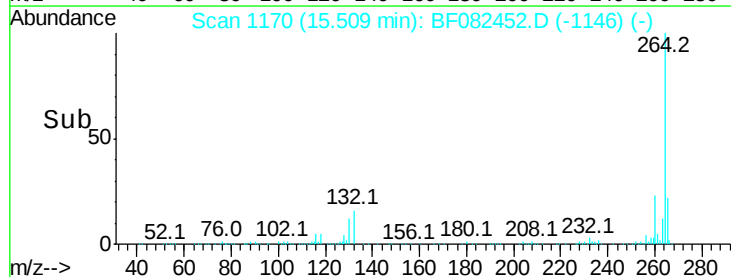
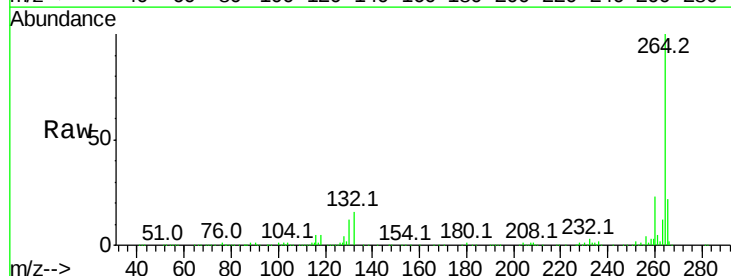
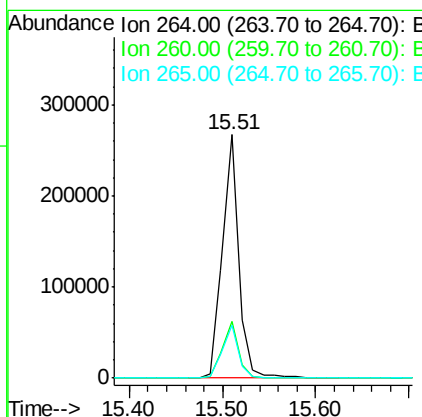
Manual Integrations
 APPROVED

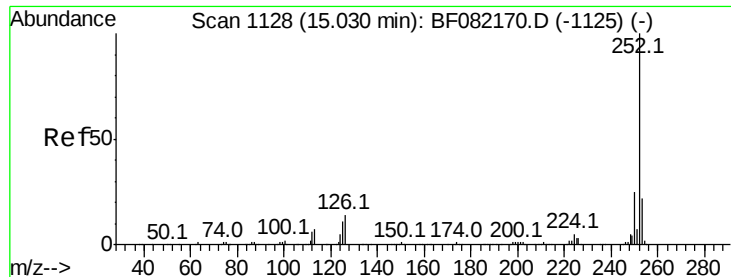
mmdadoda
 10/23/2015 4:45:15 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.51 min Scan# 1170
 Delta R.T. -0.02 min
 Lab File: BF082452.D
 Acq: 22 Oct 2015 18:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.6
265	21.7	17.3	25.9





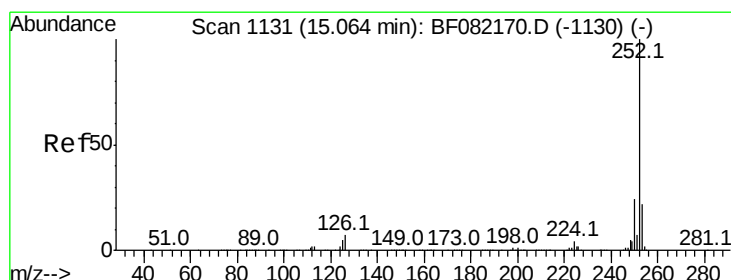
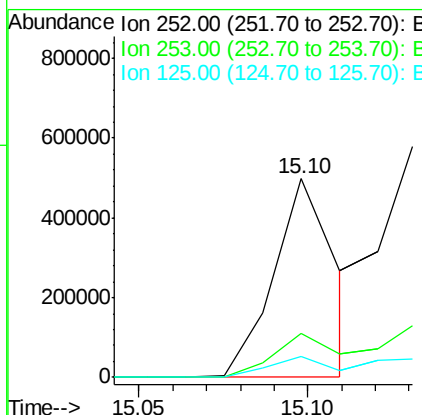
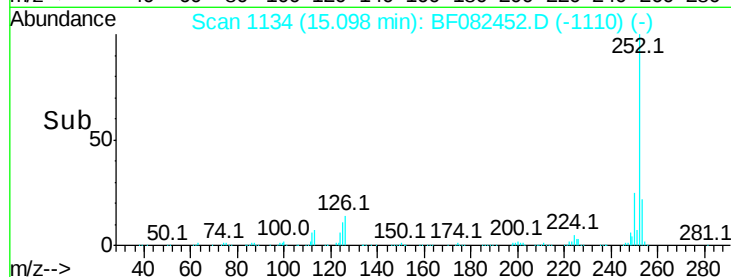
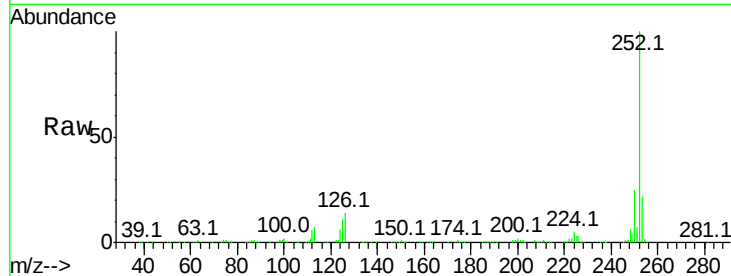
#87
Benzo(b)fluoranthene
Concen: 32.34 ng m
RT: 15.10 min Scan# 1134
Delta R.T. -0.02 min
Lab File: BF082452.D
Acq: 22 Oct 2015 18:37

Instrument :
BNA_F
ClientSampleId :
PB86210BSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.0	27.0
125	10.6	8.6	12.8

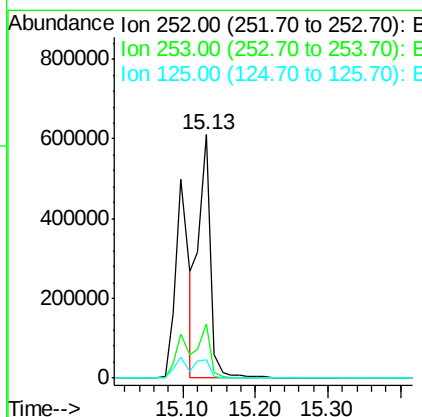
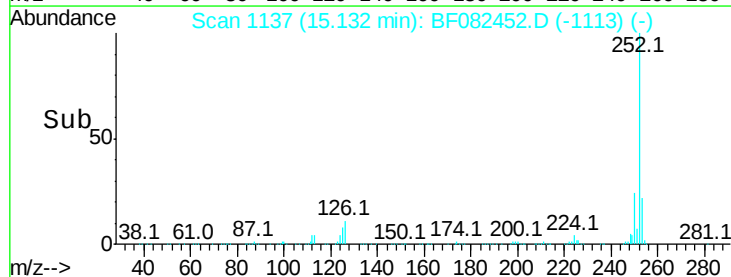
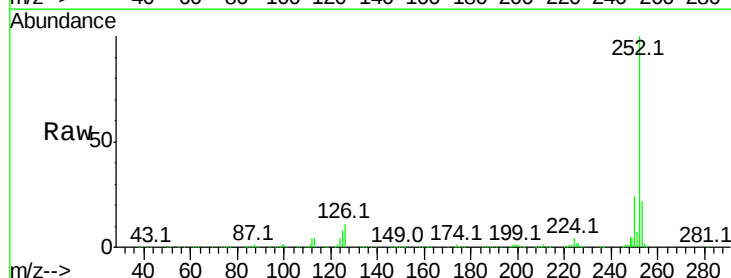
Manual Integrations
APPROVED

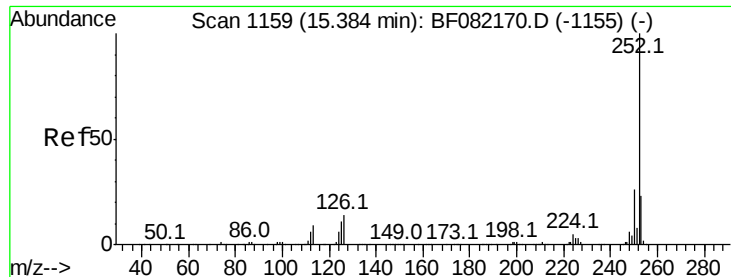
mmdadoda
10/23/2015 4:45:15 PM



#88
Benzo(k)fluoranthene
Concen: 42.90 ng m
RT: 15.13 min Scan# 1137
Delta R.T. -0.02 min
Lab File: BF082452.D
Acq: 22 Oct 2015 18:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	7.5	6.7	10.1





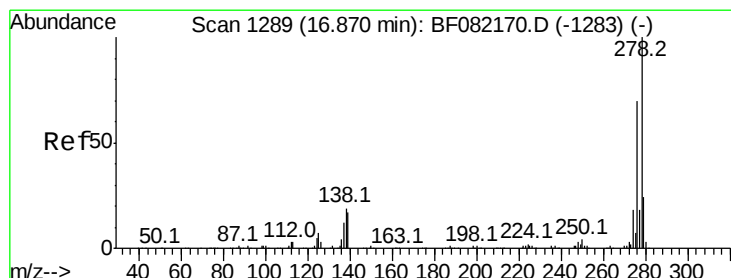
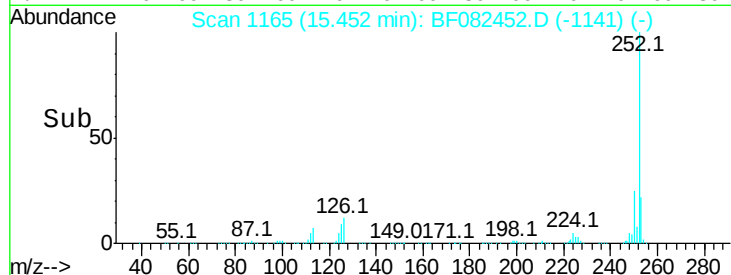
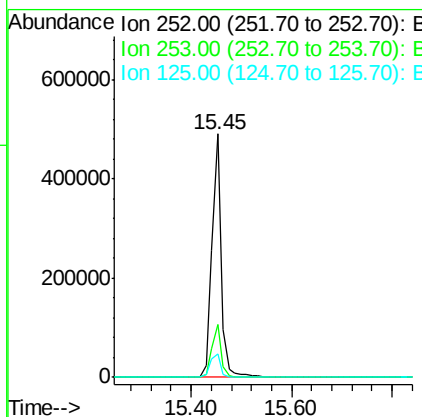
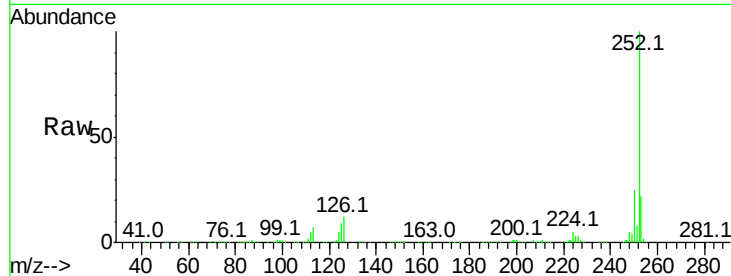
#89
Benzo(a)pyrene
Concen: 36.92 ng
RT: 15.45 min Scan# 1165
Delta R.T. -0.02 min
Lab File: BF082452.D
Acq: 22 Oct 2015 18:37

Instrument :
BNA_F
ClientSampleId :
PB86210BSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.2	27.2
125	9.5	8.9	13.3

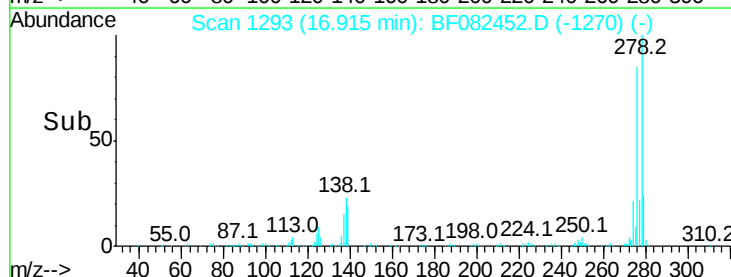
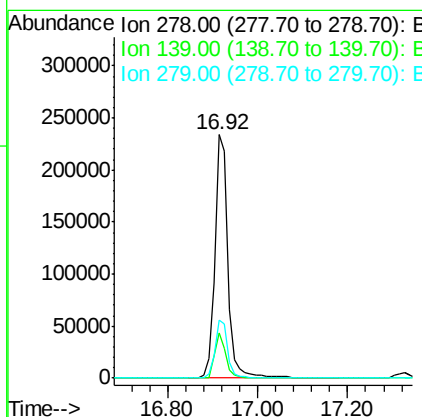
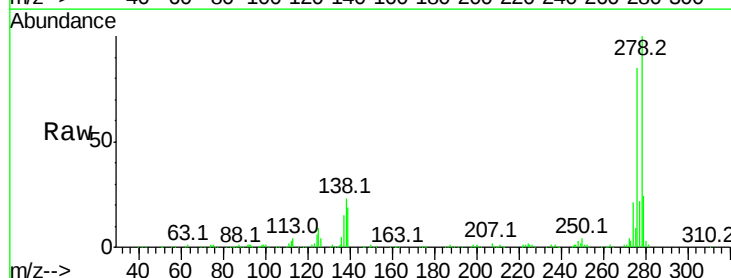
Manual Integrations
APPROVED

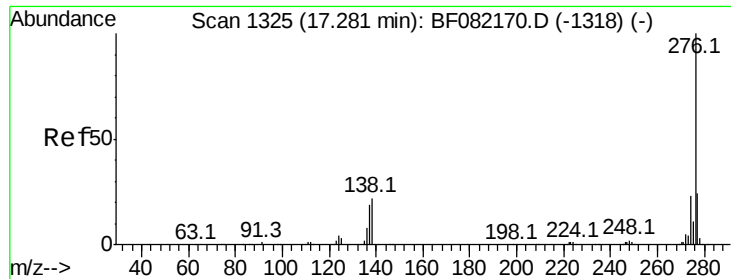
mmdadoda
10/23/2015 4:45:15 PM



#90
Dibenzo(a,h)anthracene
Concen: 33.78 ng
RT: 16.92 min Scan# 1293
Delta R.T. -0.03 min
Lab File: BF082452.D
Acq: 22 Oct 2015 18:37

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.7	13.3	19.9
279	23.6	18.9	28.3





#91
 Benzo(a,h,i)perylene
 Concen: 33.57 ng
 RT: 17.33 min Scan# 1329
 Delta R.T. -0.02 min
 Lab File: BF082452.D
 Acq: 22 Oct 2015 18:37

Instrument :
 BNA_F
 ClientSampleId :
 PB86210BSD

Tot Ion:	276	Resp:	454647
Ion Ratio	Lower	Upper	
276	100		
277	24.1	18.8	28.2
138	21.8	17.4	26.2

Manual Integrations
 APPROVED

mmdadoda
 10/23/2015 4:45:15 PM

