

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF113015\
 Data File : BF083357.D
 Acq On : 1 Dec 2015 2:43
 Operator : UM/IZ
 Sample : PB86889BSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB86889BSD

Manual Integrations
 APPROVED

Mmdadoda
 12/1/2015 6:35:06 PM

Quant Time: Dec 01 04:06:25 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 01:17:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.54	152	170206	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	659016	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	343935	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	682713	20.00	ng	0.00
75) Chrysene-d12	14.76	240	633293	20.00	ng	0.00
86) Perylene-d12	16.82	264	459869	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.14	112	1211275	106.79	ng	0.01
7) Phenol-d6	6.22	99	1665564	107.28	ng	0.00
23) Nitrobenzene-d5	7.13	82	1111432	74.14	ng	0.00
41) 2,4,6-Tribromophenol	10.38	330	399887	115.82	ng	0.00
44) 2-Fluorobiphenyl	8.92	172	1717968	71.18	ng	0.00
78) Terphenyl-d14	13.22	244	1900315	71.56	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.03	88	185133	30.14	ng	# 85
3) Pyridine	2.64	79	481478	31.34	ng	96
4) n-Nitrosodimethylamine	2.59	42	304882	40.32	ng	100
6) Aniline	6.21	93	436895	20.57	ng	92
8) 2-Chlorophenol	6.34	128	509332	40.71	ng	96
9) Benzaldehyde	6.09	77	267666	34.78	ng	97
10) Phenol	6.24	94	786374	42.10	ng	96
11) bis(2-Chloroethyl)ether	6.29	93	542365	39.91	ng	99
12) 1,3-Dichlorobenzene	6.49	146	547359	39.36	ng	99
13) 1,4-Dichlorobenzene	6.57	146	564686	39.28	ng	97
14) 1,2-Dichlorobenzene	6.72	146	486850m	36.92	ng	
15) Benzyl Alcohol	6.72	79	502902	41.91	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.84	45	982634	41.21	ng	# 43
17) 2-Methylphenol	6.84	107	427086	40.95	ng	97
18) Hexachloroethane	7.06	117	193975	38.85	ng	99
19) n-Nitroso-di-n-propylamine	6.98	70	429173	38.67	ng	89
20) 3+4-Methylphenols	7.00	107	595654	42.17	ng	98
22) Acetophenone	6.98	105	748093	37.94	ng	# 98
24) Nitrobenzene	7.14	77	584172	36.49	ng	# 86
25) Isophorone	7.39	82	1140874	39.29	ng	99
26) 2-Nitrophenol	7.46	139	254221	38.90	ng	95
27) 2,4-Dimethylphenol	7.53	122	474695	43.33	ng	99
28) bis(2-Chloroethoxy)methane	7.61	93	662405	40.06	ng	99
29) 2,4-Dichlorophenol	7.71	162	430202	40.83	ng	99
30) 1,2,4-Trichlorobenzene	7.78	180	436214	38.04	ng	# 96
31) Naphthalene	7.86	128	1392880	38.95	ng	99
32) Benzoic acid	7.69	122	312246	41.32	ng	# 89
33) 4-Chloroaniline	7.93	127	175610	11.39	ng	98
34) Hexachlorobutadiene	7.98	225	257419	39.53	ng	99
35) Caprolactam	8.30	113	142420m	42.78	ng	
36) 4-Chloro-3-methylphenol	8.43	107	495100	41.89	ng	88
37) 2-Methylnaphthalene	8.56	142	953678	39.91	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.72	216	403691	37.03	ng	98
40) Hexachlorocyclopentadiene	8.70	237	434694	83.93	ng	98

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF113015\
 Data File : BF083357.D
 Acq On : 1 Dec 2015 2:43
 Operator : UM/IZ
 Sample : PB86889BSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB86889BSD

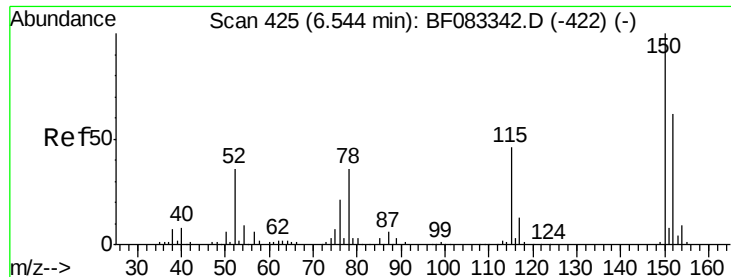
Manual Integrations
 APPROVED

Mmdadoda
 12/1/2015 6:35:06 PM

Quant Time: Dec 01 04:06:25 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 01:17:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.84	196	305298	39.92	ng	99
43) 2,4,5-Trichlorophenol	8.89	196	335307	42.32	ng	97
45) 1,1'-Biphenyl	9.01	154	1103562	36.59	ng	95
46) 2-Chloronaphthalene	9.04	162	883952	38.46	ng	100
47) 2-Nitroaniline	9.15	65	381653	41.93	ng	97
48) Acenaphthylene	9.45	152	1398664	38.15	ng	99
49) Dimethylphthalate	9.33	163	1061524	37.98	ng	100
50) 2,6-Dinitrotoluene	9.39	165	236927	39.69	ng	94
51) Acenaphthene	9.62	154	835042	38.72	ng	100
52) 3-Nitroaniline	9.56	138	107752	15.40	ng	91
53) 2,4-Dinitrophenol	9.66	184	284761	76.50	ng	91
54) Dibenzofuran	9.79	168	1273433	40.30	ng	100
55) 4-Nitrophenol	9.76	139	356610	81.49	ng	# 86
56) 2,4-Dinitrotoluene	9.79	165	319756	42.22	ng	90
57) Fluorene	10.13	166	971163	38.92	ng	98
58) 2,3,4,6-Tetrachlorophenol	9.93	232	280482	43.88	ng	99
59) Diethylphthalate	10.03	149	1052223	39.50	ng	98
60) 4-Chlorophenyl-phenylether	10.13	204	473961	41.34	ng	98
61) 4-Nitroaniline	10.18	138	254438	36.35	ng	96
62) Azobenzene	10.29	77	1396098	43.38	ng	99
64) 4,6-Dinitro-2-methylphenol	10.20	198	191651	41.81	ng	87
65) n-Nitrosodiphenylamine	10.26	169	946700	39.46	ng	99
66) 4-Bromophenyl-phenylether	10.64	248	310792	41.62	ng	98
67) Hexachlorobenzene	10.70	284	340417	41.22	ng	99
68) Atrazine	10.83	200	332370	50.09	ng	97
69) Pentachlorophenol	10.92	266	365712	84.55	ng	98
70) Phenanthrene	11.16	178	1614182	39.95	ng	99
71) Anthracene	11.22	178	1595114	39.22	ng	100
72) Carbazole	11.41	167	1430043	39.13	ng	99
73) Di-n-butylphthalate	11.86	149	1786002	41.24	ng	100
74) Fluoranthene	12.66	202	1690738	40.37	ng	99
76) Benzidine	12.87	184	484490	25.69	ng	98
77) Pyrene	12.98	202	1766386	39.94	ng	98
79) Butylbenzylphthalate	13.96	149	787102	41.95	ng	95
80) Benzo(a)anthracene	14.74	228	1547889	39.90	ng	100
81) 3,3'-Dichlorobenzidine	14.73	252	262970	21.70	ng	100
82) Chrysene	14.80	228	1379987	36.81	ng	100
83) Bis(2-ethylhexyl)phthalate	14.88	149	1069627	42.50	ng	99
84) Di-n-octyl phthalate	15.85	149	1654140	44.14	ng	100
85) Indeno(1,2,3-cd)pyrene	18.20	276	1099146	40.26	ng	100
87) Benzo(b)fluoranthene	16.31	252	1229005	41.65	ng	99
88) Benzo(k)fluoranthene	16.35	252	1095765	39.33	ng	99
89) Benzo(a)pyrene	16.75	252	1071231	42.27	ng	99
90) Dibenzo(a,h)anthracene	18.23	278	920252	41.67	ng	99
91) Benzo(g,h,i)perylene	18.58	276	934276	43.10	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.54 min Scan# 425

Delta R.T. 0.00 min

Lab File: BF083357.D

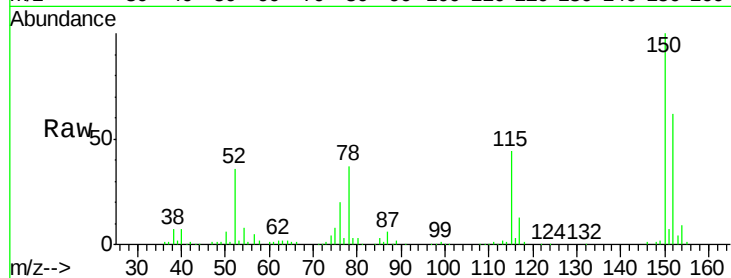
Acq: 1 Dec 2015 2:43

Instrument :

BNA_F

ClientSampleId :

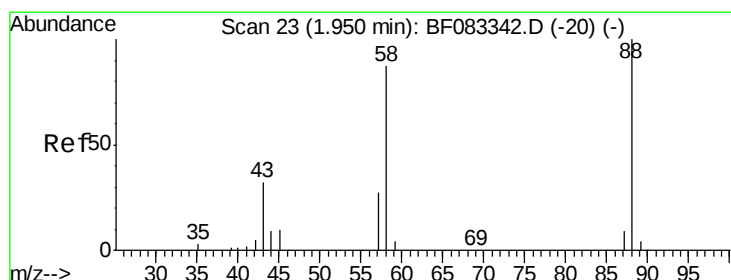
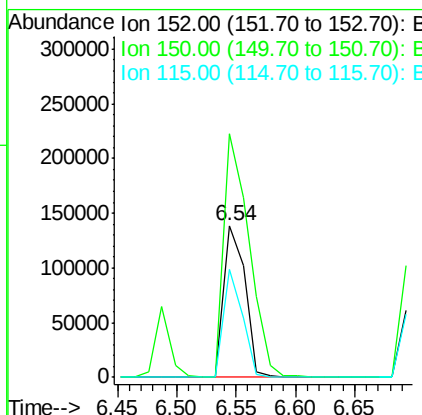
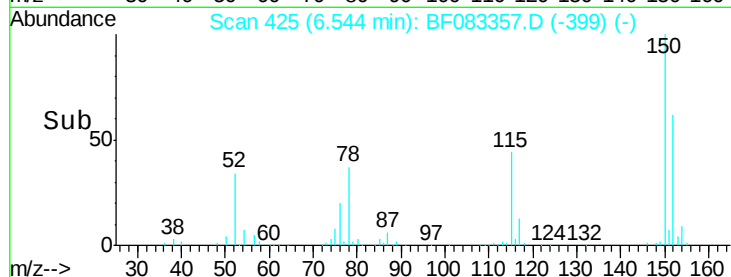
PB86889BSD



Tgt Ion:	152	Resp:	170206
Ion Ratio	Lower	Upper	
152	100		
150	160.7	129.8	194.8
115	70.9	59.2	88.8

Manual Integrations
APPROVED

Mmdadoda
12/1/2015 6:35:06 PM



#2

1,4-Dioxane

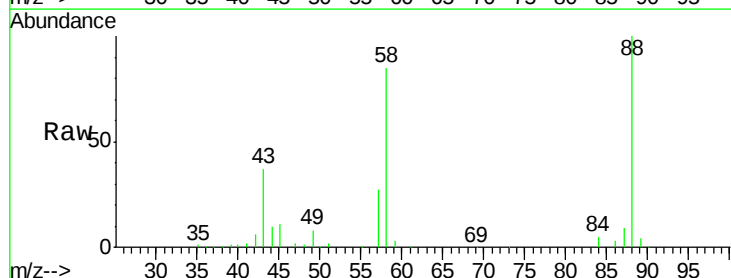
Concen: 30.14 ng

RT: 2.03 min Scan# 30

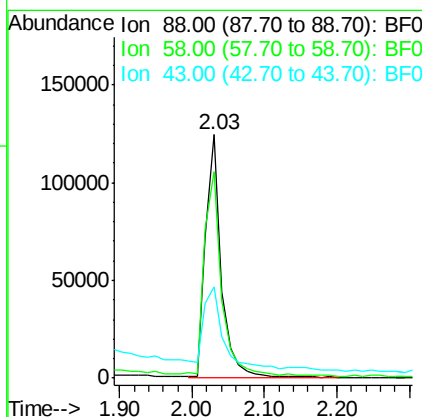
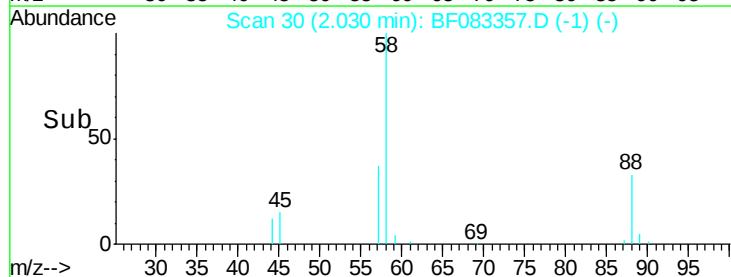
Delta R.T. 0.08 min

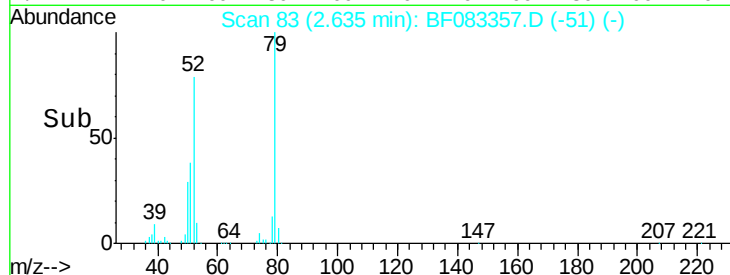
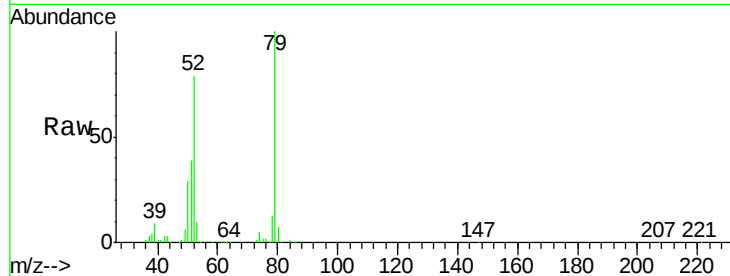
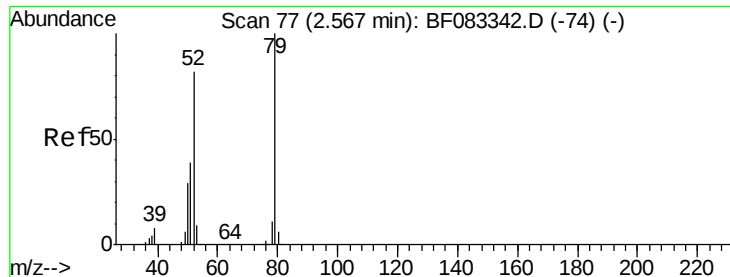
Lab File: BF083357.D

Acq: 1 Dec 2015 2:43



Tgt Ion:	88	Resp:	185133
Ion Ratio	Lower	Upper	
88	100		
58	93.9	66.6	100.0
43	47.1	27.1	40.7#





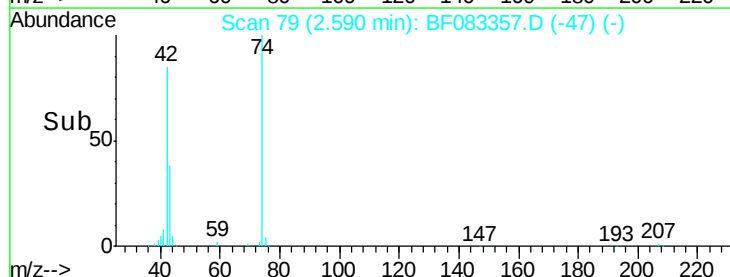
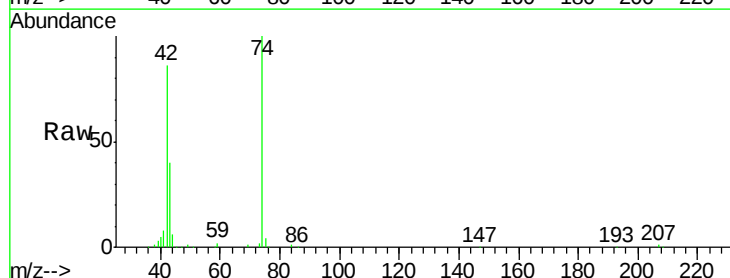
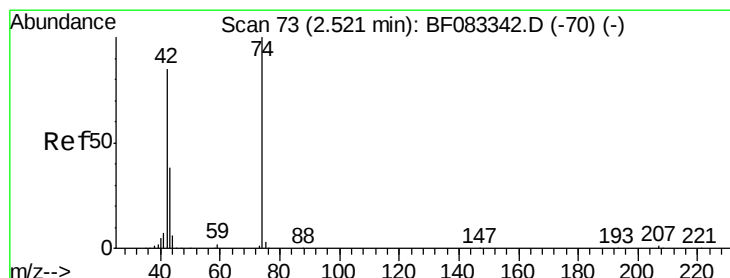
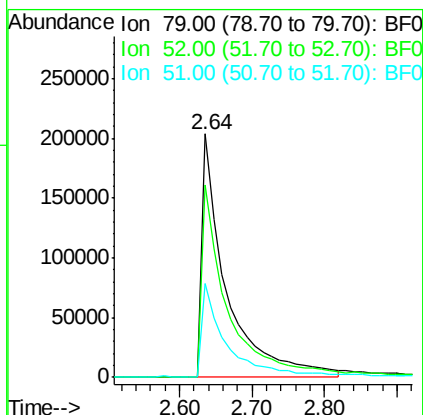
#3
 Pyridine
 Concen: 31.34 ng
 RT: 2.64 min Scan# 83
 Delta R.T. 0.07 min
 Lab File: BF083357.D
 Acq: 1 Dec 2015 2:43

Tgt Ion:	79	Resp:	481478
Ion Ratio	Lower	Upper	
79	100		
52	79.0	65.9	98.9
51	38.6	32.3	48.5

Instrument :
 BNA_F
 ClientSampleId :
 PB86889BSD

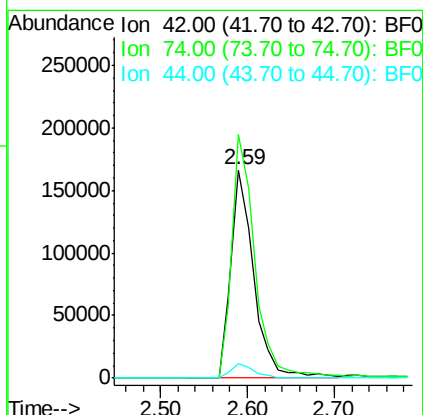
Manual Integrations
 APPROVED

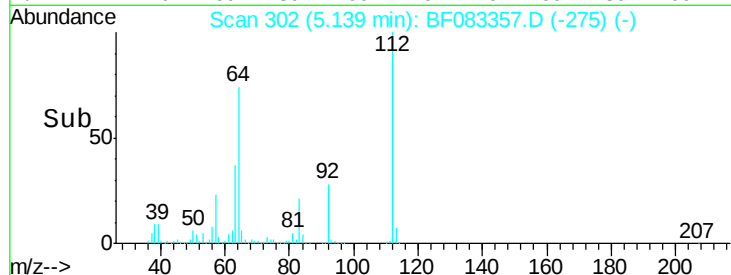
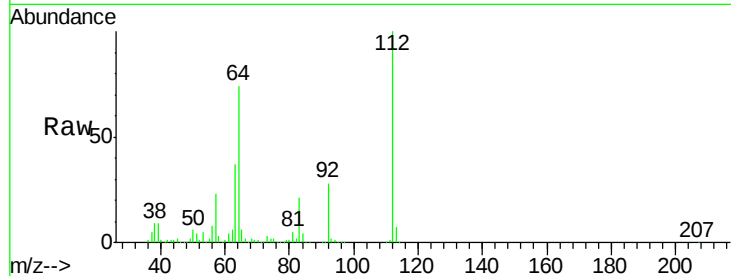
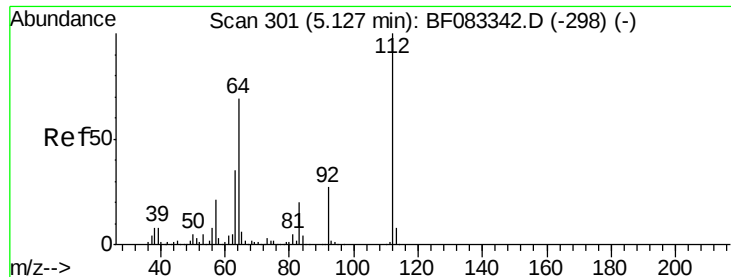
Mmdadoda
 12/1/2015 6:35:06 PM



#4
 n-Nitrosodimethylamine
 Concen: 40.32 ng
 RT: 2.59 min Scan# 79
 Delta R.T. 0.07 min
 Lab File: BF083357.D
 Acq: 1 Dec 2015 2:43

Tgt Ion:	42	Resp:	304882
Ion Ratio	Lower	Upper	
42	100		
74	116.9	93.7	140.5
44	6.7	5.6	8.4





#5

2-Fluorophenol

Concen: 106.79 ng

RT: 5.14 min Scan# 302

Delta R.T. 0.01 min

Lab File: BF083357.D

Acq: 1 Dec 2015 2:43

Tgt Ion:	112	Resp:	1211275
Ion Ratio	Lower	Upper	
112	100		
64	74.1	55.6	83.4
63	37.2	28.2	42.2

Instrument :

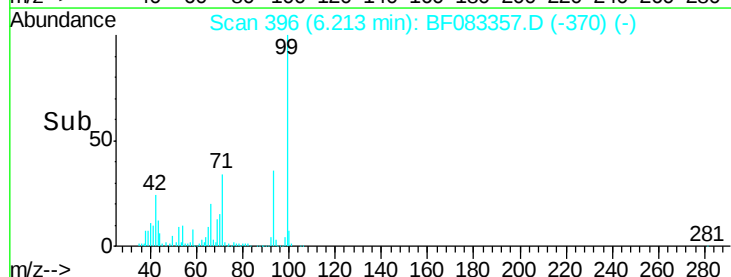
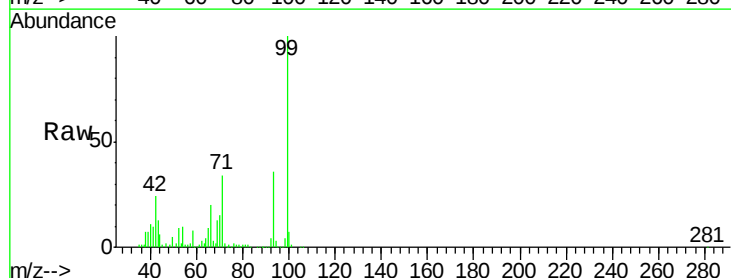
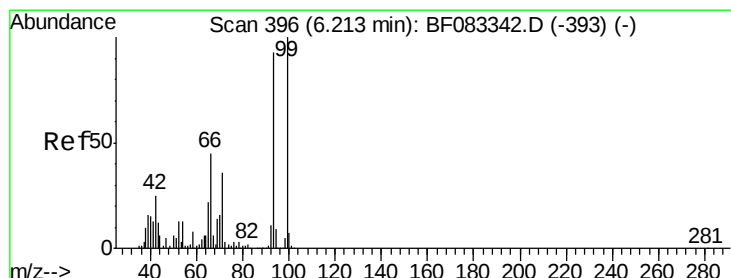
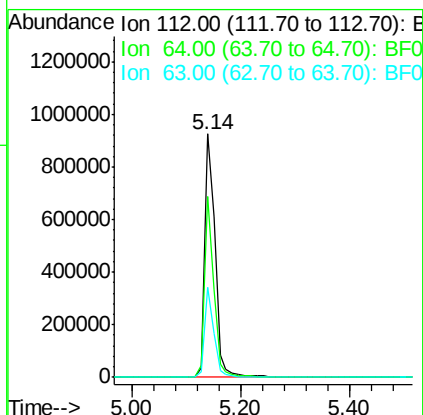
BNA_F

ClientSampleId :

PB86889BSD

Manual Integrations
APPROVED

Mmdadoda
12/1/2015 6:35:06 PM



#6

Aniline

Concen: 20.57 ng

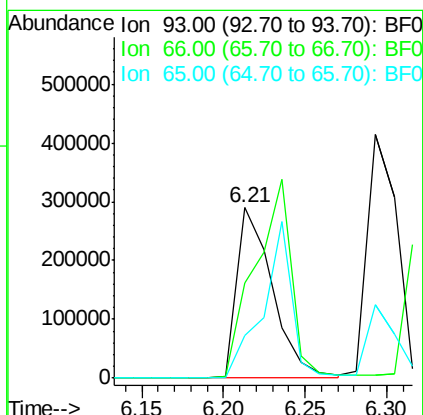
RT: 6.21 min Scan# 396

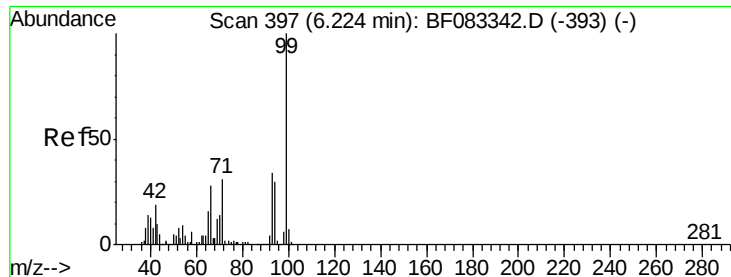
Delta R.T. 0.00 min

Lab File: BF083357.D

Acq: 1 Dec 2015 2:43

Tgt Ion:	93	Resp:	436895
Ion Ratio	Lower	Upper	
93	100		
66	56.0	38.7	58.1
65	25.0	19.0	28.6





#7

Phenol-d6

Concen: 107.28 ng

RT: 6.22 min Scan# 397

Delta R.T. 0.00 min

Lab File: BF083357.D

Acq: 1 Dec 2015 2:43

Instrument :

BNA_F

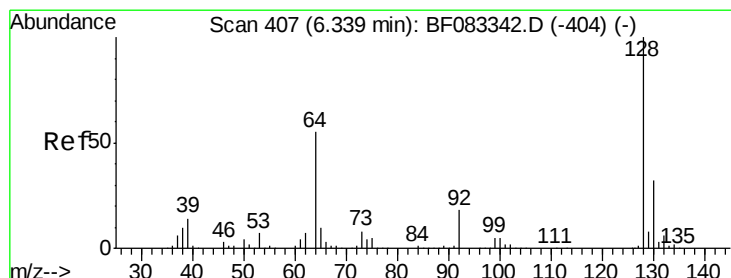
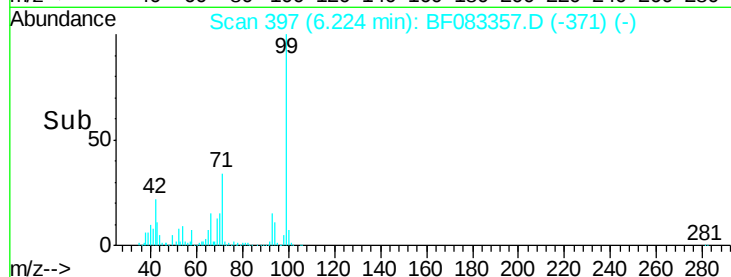
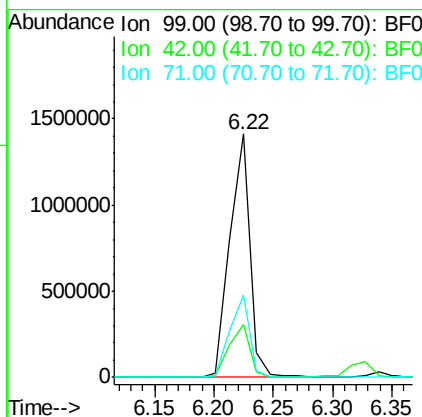
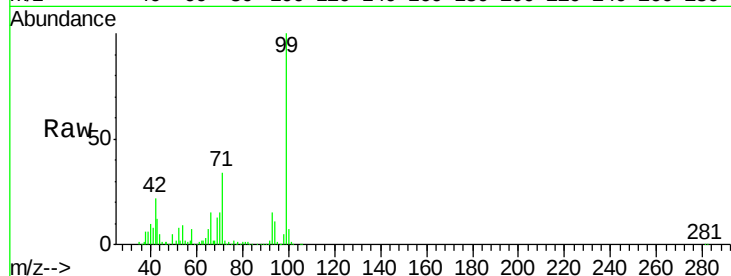
ClientSampleId :

PB86889BSD

Manual Integrations
APPROVED

Mmdadoda
12/1/2015 6:35:06 PM

Tgt Ion:	99	Resp:	1665564
Ion	Ratio	Lower	Upper
99	100		
42	21.6	14.9	22.3
71	33.9	24.7	37.1



#8

2-Chlorophenol

Concen: 40.71 ng

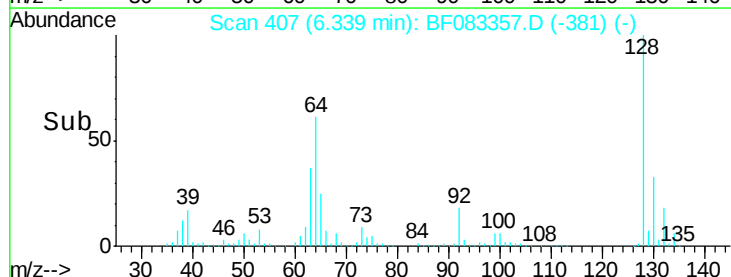
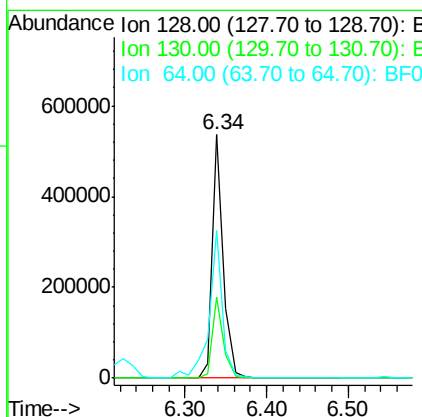
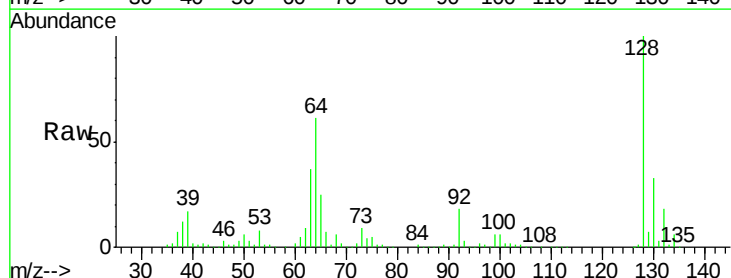
RT: 6.34 min Scan# 407

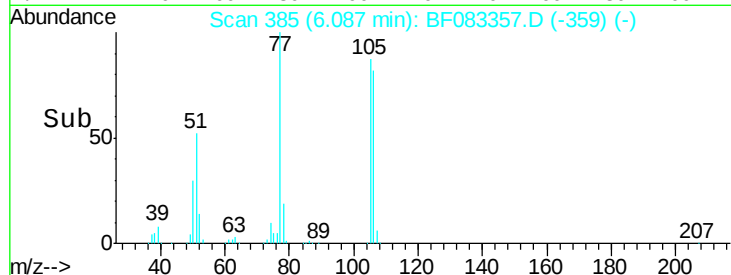
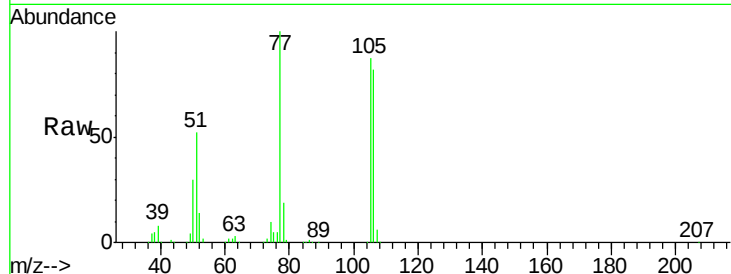
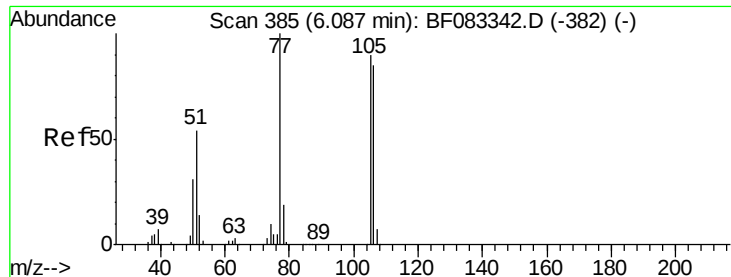
Delta R.T. 0.00 min

Lab File: BF083357.D

Acq: 1 Dec 2015 2:43

Tgt Ion:	128	Resp:	509332
Ion	Ratio	Lower	Upper
128	100		
130	33.1	12.3	52.3
64	60.8	36.4	76.4





#9

Benzaldehyde

Concen: 34.78 ng

RT: 6.09 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF083357.D

Acq: 1 Dec 2015 2:43

Tgt Ion:	77	Resp:	267666
Ion	Ratio	Lower	Upper
77	100		
105	87.3	70.0	110.0
106	82.4	65.0	105.0

Instrument :

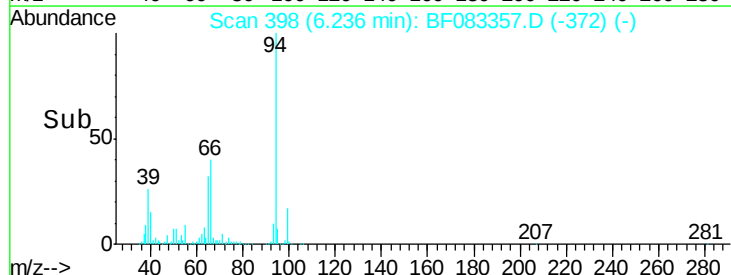
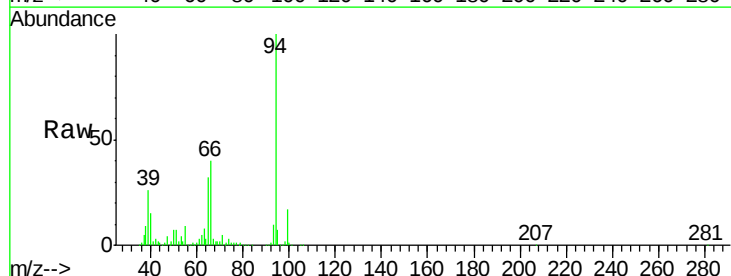
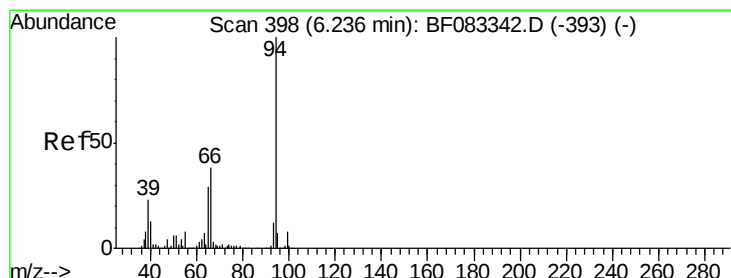
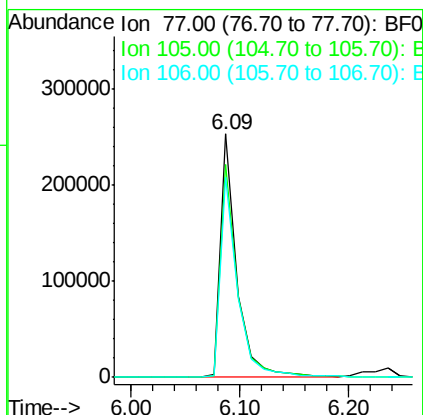
BNA_F

ClientSampleId :

PB86889BSD

Manual Integrations
APPROVED

Mmdadoda
12/1/2015 6:35:06 PM



#10

Phenol

Concen: 42.10 ng

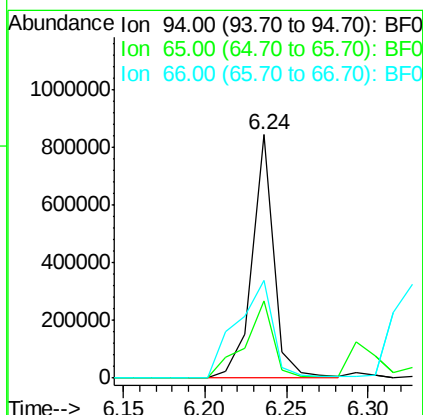
RT: 6.24 min Scan# 398

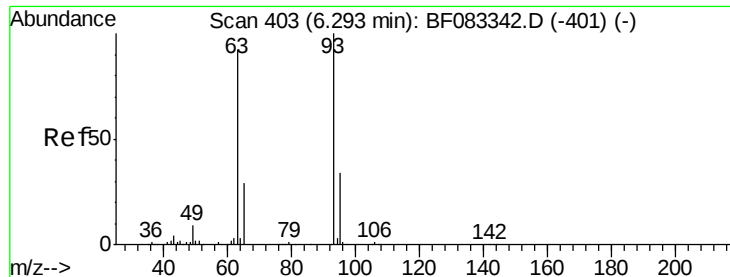
Delta R.T. 0.00 min

Lab File: BF083357.D

Acq: 1 Dec 2015 2:43

Tgt Ion:	94	Resp:	786374
Ion	Ratio	Lower	Upper
94	100		
65	31.5	9.5	49.5
66	40.1	17.9	57.9





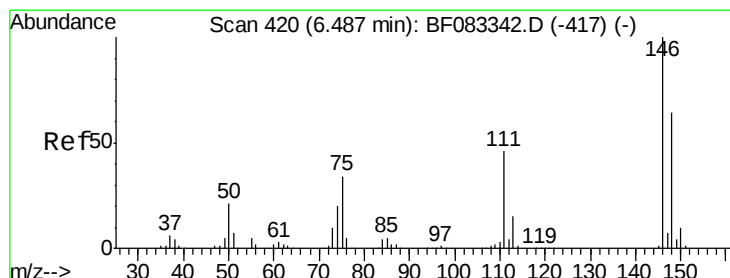
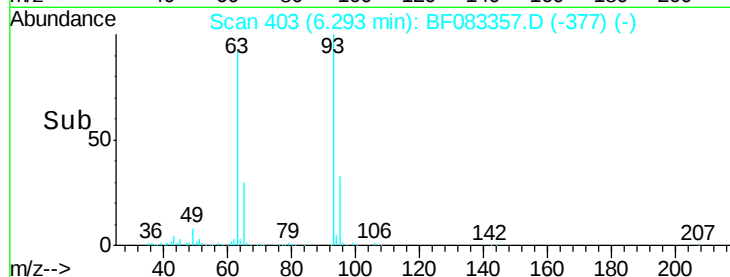
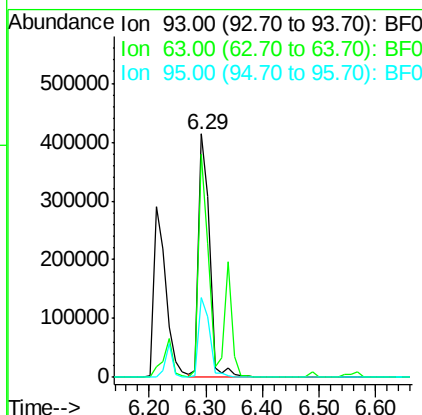
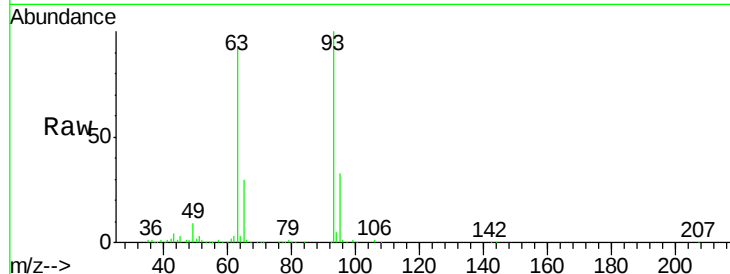
#11
bis(2-Chloroethyl)ether
Concen: 39.91 ng
RT: 6.29 min Scan# 403
Delta R.T. 0.00 min
Lab File: BF083357.D
Acq: 1 Dec 2015 2:43

Instrument :
BNA_F
ClientSampleId :
PB86889BSD

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	542365		
63	91.8	71.4	111.4	
95	32.9	13.4	53.4	

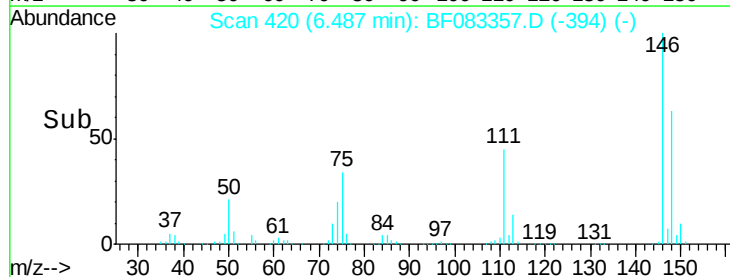
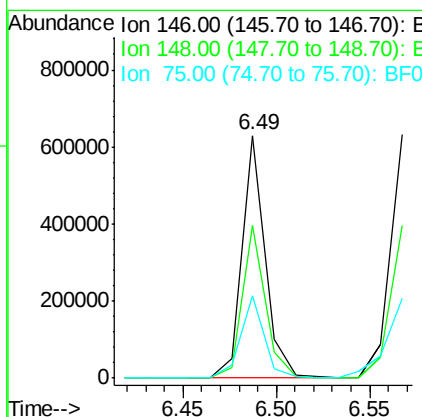
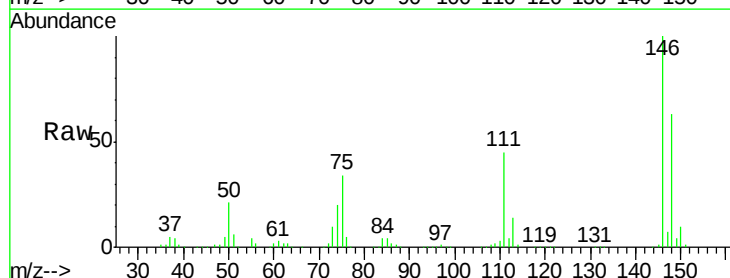
Manual Integrations
APPROVED

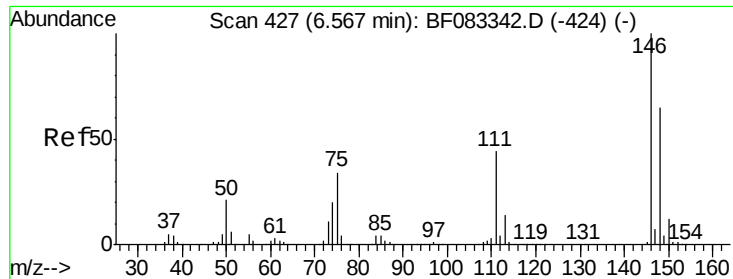
Mmdadoda
12/1/2015 6:35:06 PM



#12
1,3-Dichlorobenzene
Concen: 39.36 ng
RT: 6.49 min Scan# 420
Delta R.T. 0.00 min
Lab File: BF083357.D
Acq: 1 Dec 2015 2:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	547359		
148	62.8	51.1	76.7	
75	33.8	27.5	41.3	





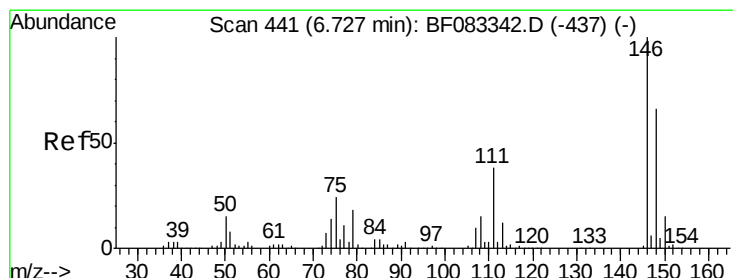
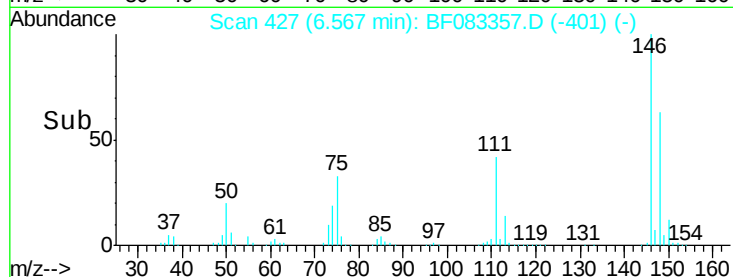
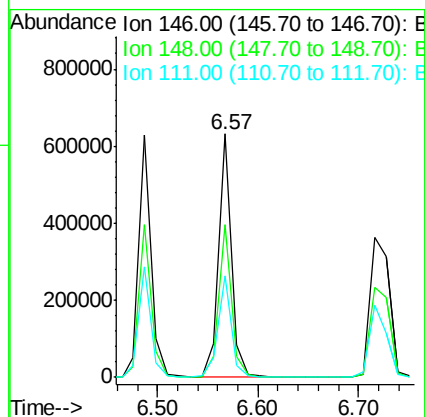
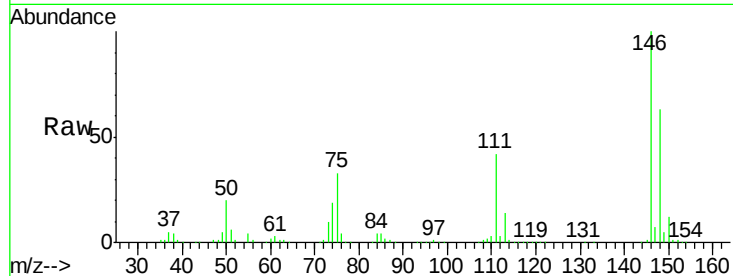
#13
 1,4-Dichlorobenzene
 Concen: 39.28 ng
 RT: 6.57 min Scan# 427
 Delta R.T. 0.00 min
 Lab File: BF083357.D
 Acq: 1 Dec 2015 2:43

Instrument :
 BNA_F
 ClientSampleId :
 PB86889BSD

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.9	52.1	78.1
111	41.9	35.4	53.0

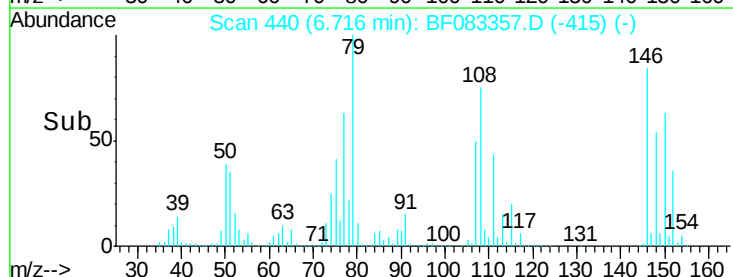
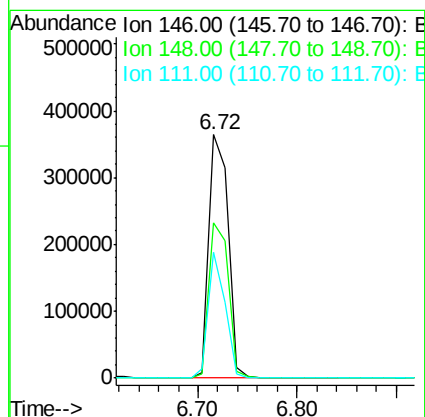
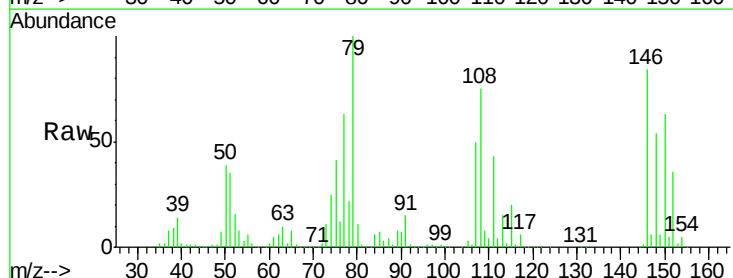
Manual Integrations
 APPROVED

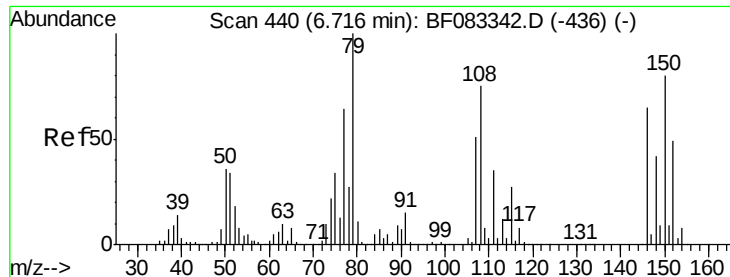
Mmdadoda
 12/1/2015 6:35:06 PM



#14
 1,2-Dichlorobenzene
 Concen: 36.92 ng m
 RT: 6.72 min Scan# 440
 Delta R.T. -0.01 min
 Lab File: BF083357.D
 Acq: 1 Dec 2015 2:43

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.0	52.5	78.7
111	51.8	30.6	46.0#





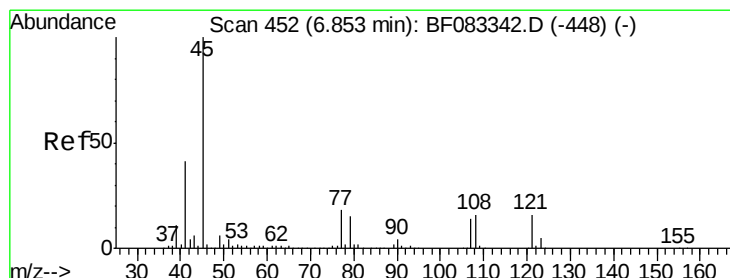
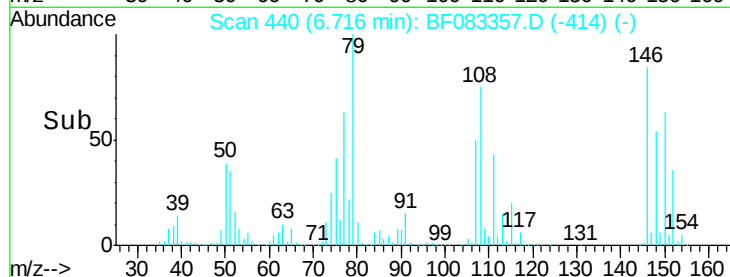
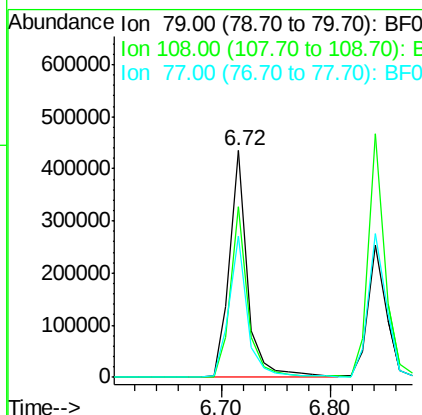
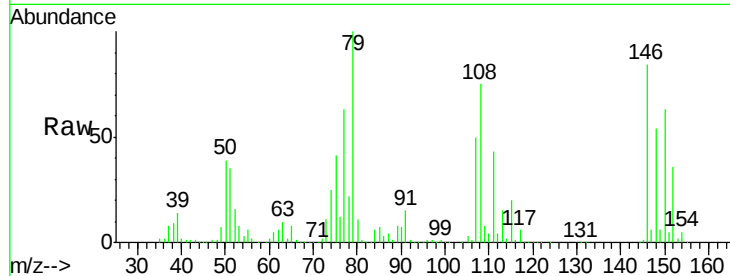
#15
Benzyl Alcohol
Concen: 41.91 ng
RT: 6.72 min Scan# 440
Delta R.T. 0.00 min
Lab File: BF083357.D
Acq: 1 Dec 2015 2:43

Instrument :
BNA_F
ClientSampleId :
PB86889BSD

Tgt Ion	Ratio	Lower	Upper
79	100		
108	75.0	59.9	89.9
77	62.5	51.0	76.6

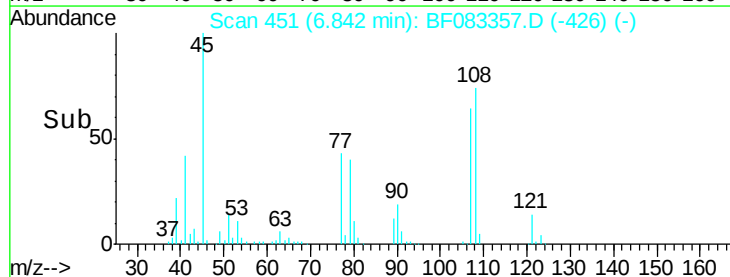
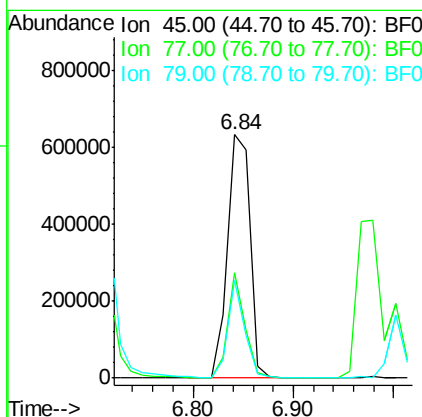
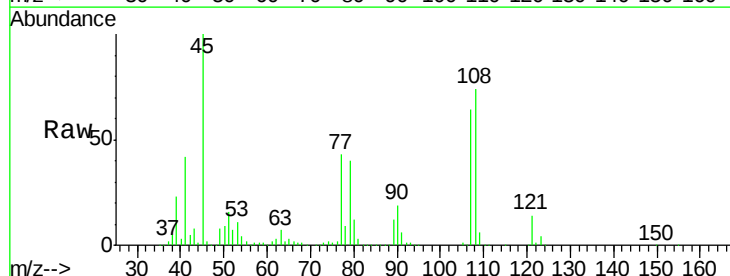
Manual Integrations
APPROVED

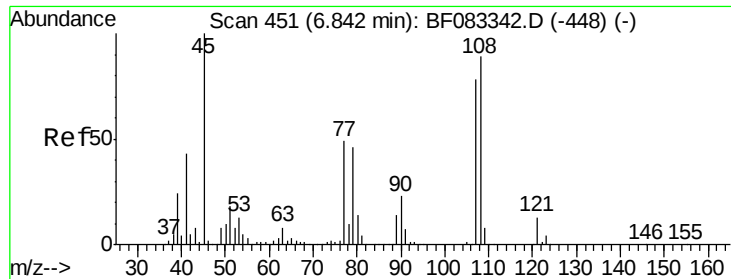
Mmdadoda
12/1/2015 6:35:06 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.21 ng
RT: 6.84 min Scan# 451
Delta R.T. -0.01 min
Lab File: BF083357.D
Acq: 1 Dec 2015 2:43

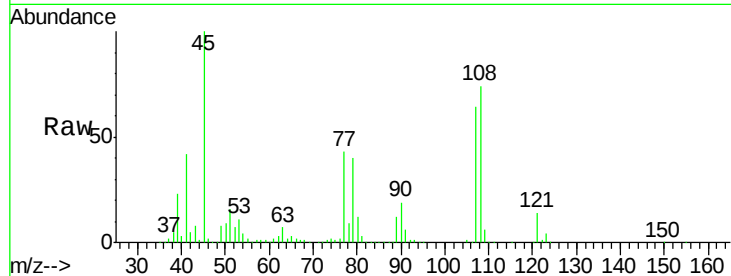
Tgt Ion	Ratio	Lower	Upper
45	100		
77	43.4	0.0	38.3#
79	40.0	0.0	35.4#





#17
2-Methylphenol
Concen: 40.95 ng
RT: 6.84 min Scan# 451
Delta R.T. 0.00 min
Lab File: BF083357.D
Acq: 1 Dec 2015 2:43

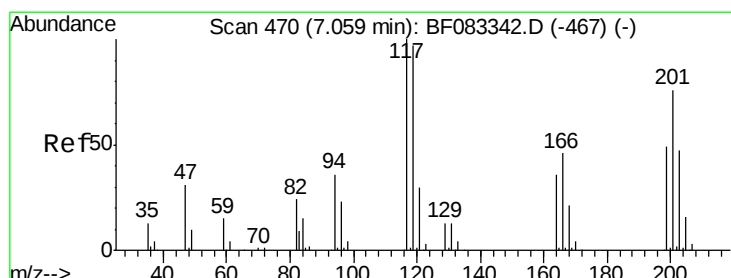
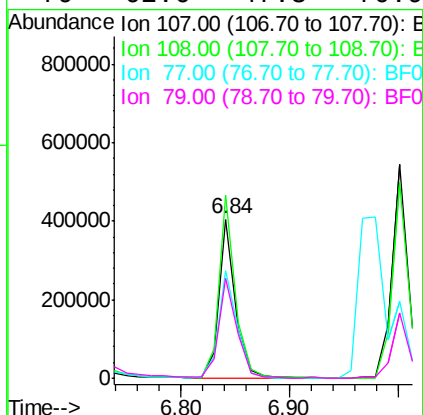
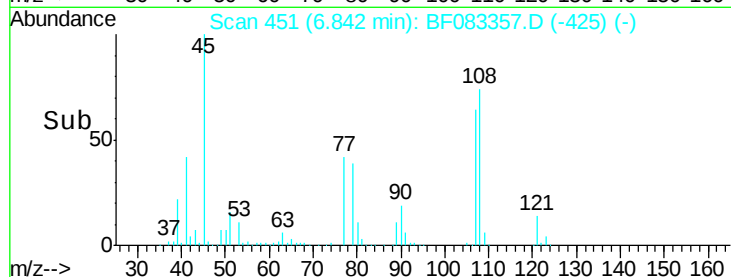
Instrument :
BNA_F
ClientSampleId :
PB86889BSD



Tgt Ion	Ratio	Resp	Lower	Upper
107	100	427086		
108	115.1	91.6	137.4	
77	67.8	49.9	74.9	
79	62.6	47.3	70.9	

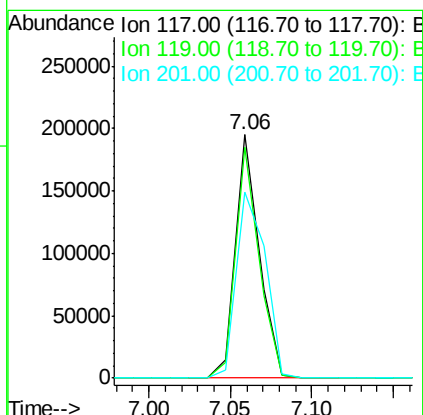
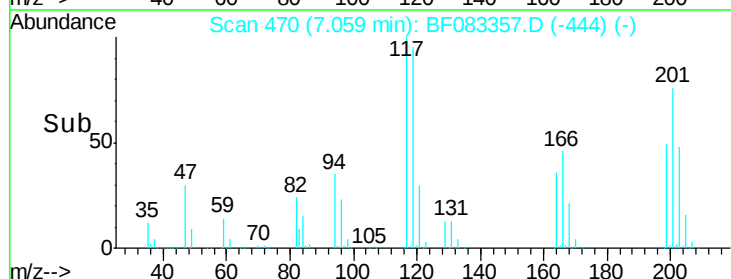
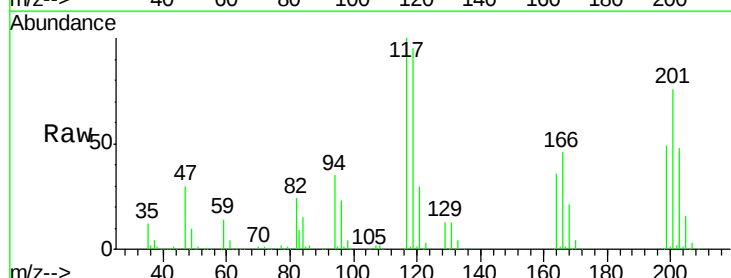
Manual Integrations
APPROVED

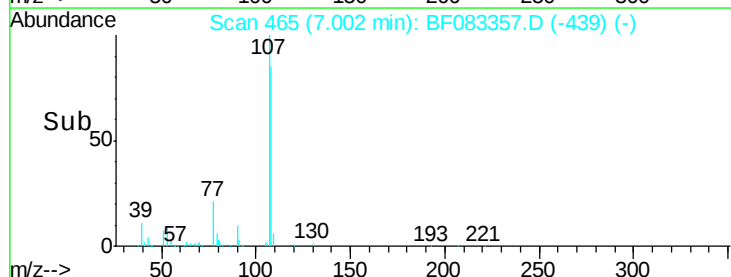
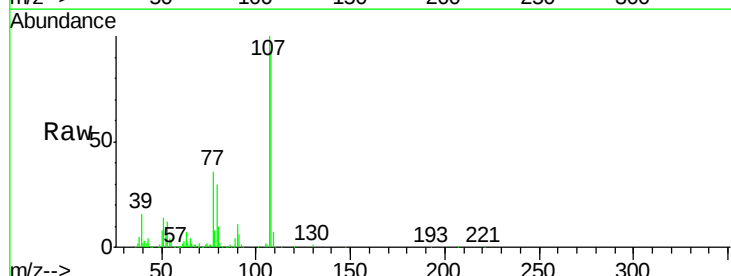
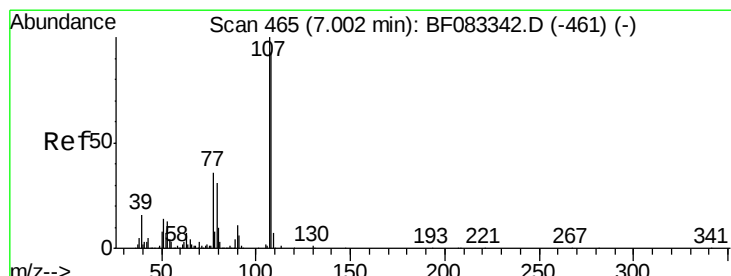
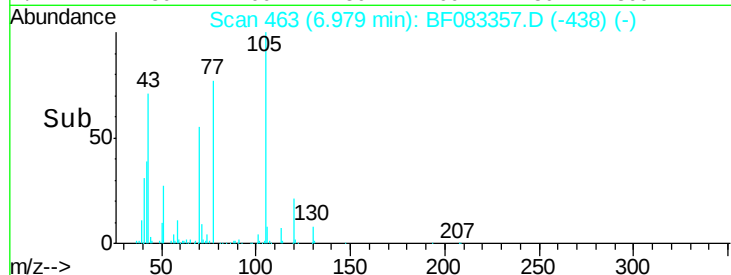
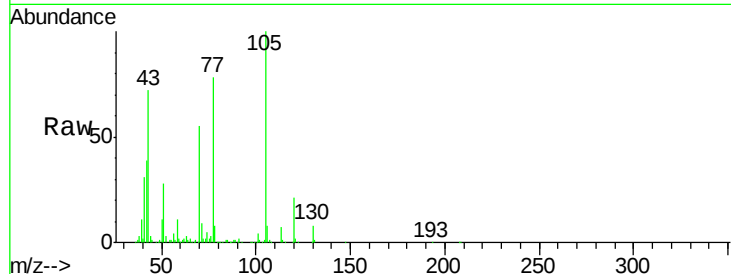
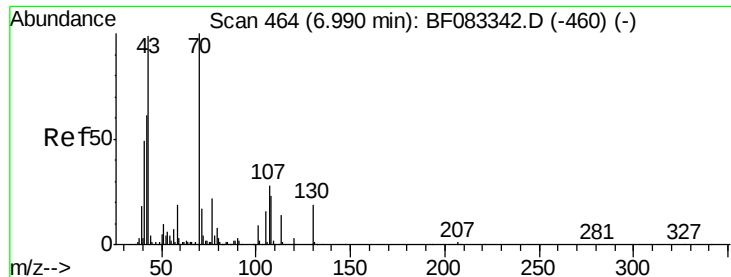
Mmdadoda
12/1/2015 6:35:06 PM



#18
Hexachloroethane
Concen: 38.85 ng
RT: 7.06 min Scan# 470
Delta R.T. 0.00 min
Lab File: BF083357.D
Acq: 1 Dec 2015 2:43

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	193975		
119	94.9	77.3	115.9	
201	76.5	60.6	90.8	





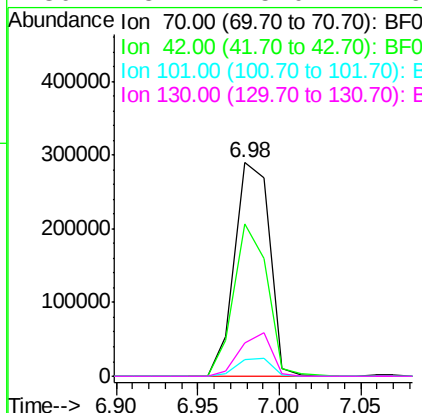
#19
n-Nitroso-di-n-propylamine
Concen: 38.67 ng
RT: 6.98 min Scan# 463
Delta R.T. -0.01 min
Lab File: BF083357.D
Acq: 1 Dec 2015 2:43

Instrument :
BNA_F
ClientSampleId :
PB86889BSD

Manual Integrations
APPROVED

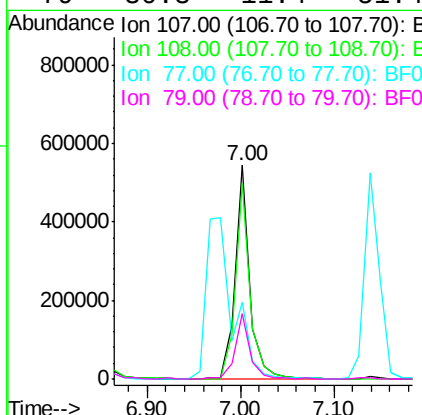
Mmdadoda
12/1/2015 6:35:06 PM

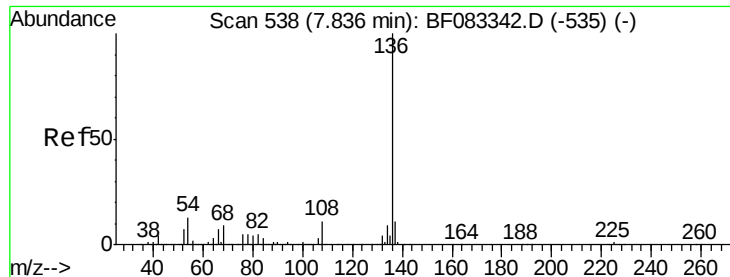
Tgt Ion	Ratio	Lower	Upper
70	100		
42	71.3	48.8	73.2
101	7.8	7.1	10.7
130	15.4	15.0	22.6



#20
3+4-Methylphenols
Concen: 42.17 ng
RT: 7.00 min Scan# 465
Delta R.T. 0.00 min
Lab File: BF083357.D
Acq: 1 Dec 2015 2:43

Tgt Ion	Ratio	Lower	Upper
107	100		
108	91.6	73.0	113.0
77	35.7	16.8	56.8
79	30.3	11.4	51.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.84 min Scan# 538

Delta R.T. 0.00 min

Lab File: BF083357.D

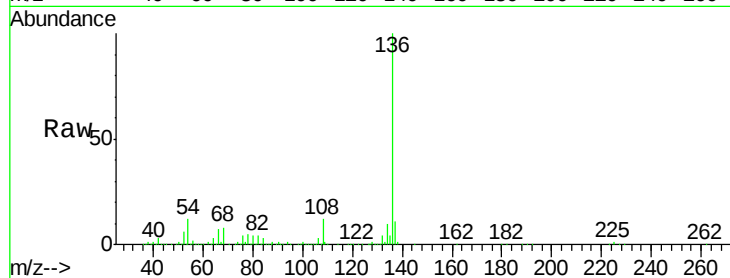
Acq: 1 Dec 2015 2:43

Instrument :

BNA_F

ClientSampleId :

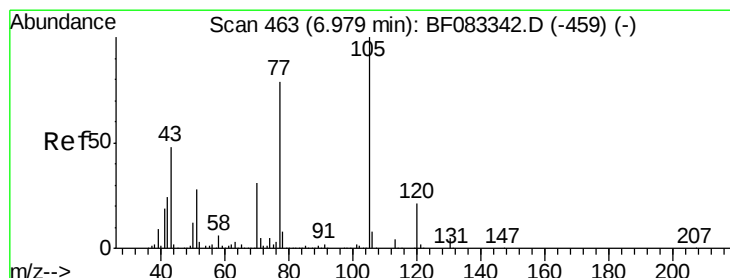
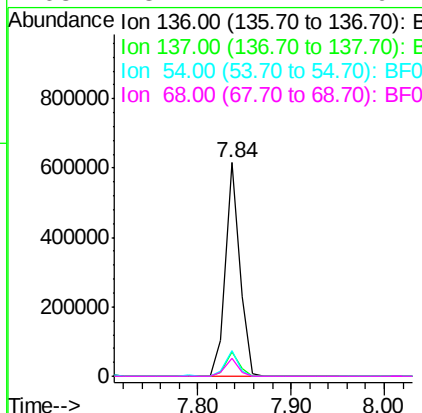
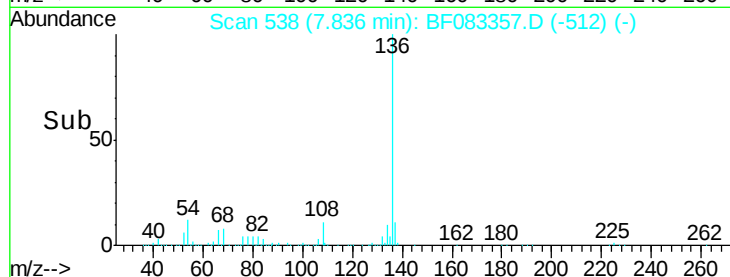
PB86889BSD



Tgt Ion	Ratio	Resp	Lower	Upper
136	100	659016		
137	11.3	9.0	13.4	
54	12.3	10.1	15.1	
68	8.2	7.1	10.7	

Manual Integrations
APPROVED

Mmdadoda
12/1/2015 6:35:06 PM



#22

Acetophenone

Concen: 37.94 ng

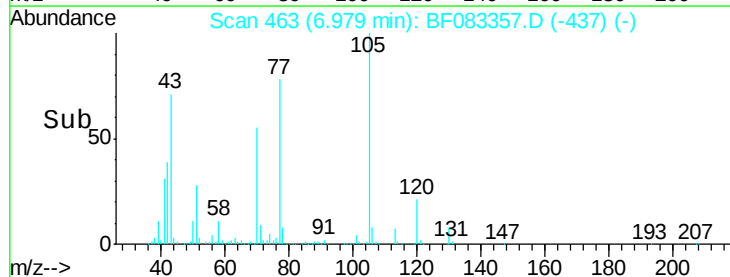
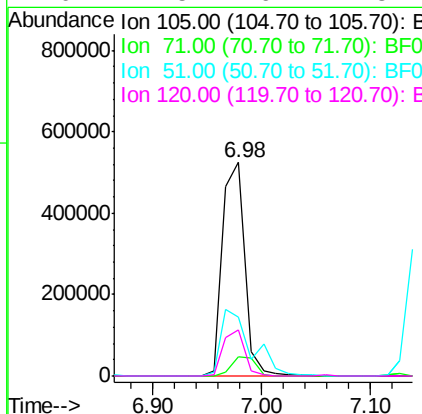
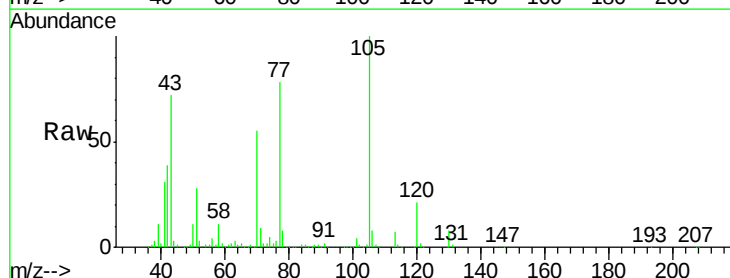
RT: 6.98 min Scan# 463

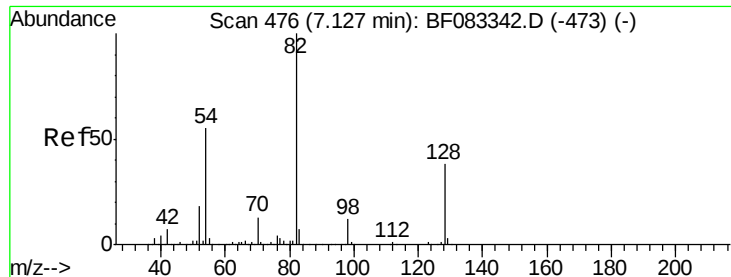
Delta R.T. 0.00 min

Lab File: BF083357.D

Acq: 1 Dec 2015 2:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	748093		
71	9.1	4.3	6.5#	
51	27.7	22.9	34.3	
120	21.5	16.7	25.1	





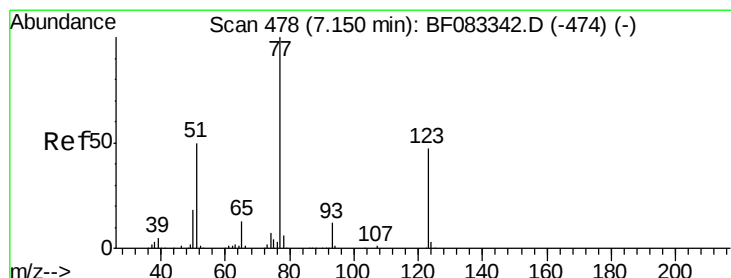
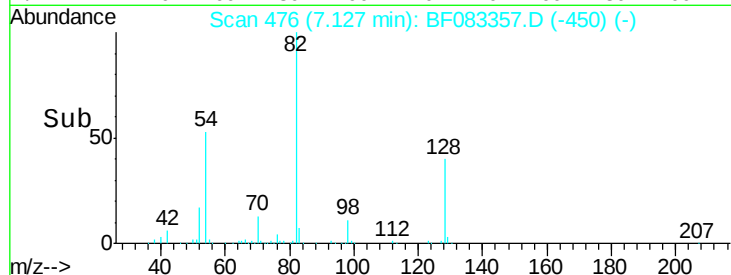
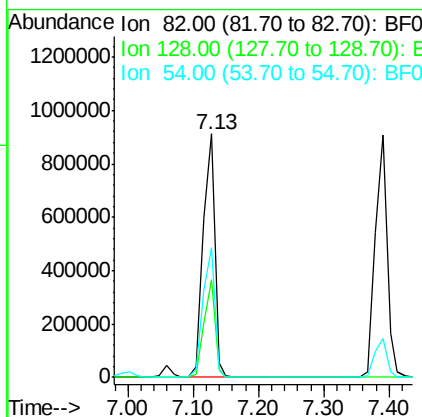
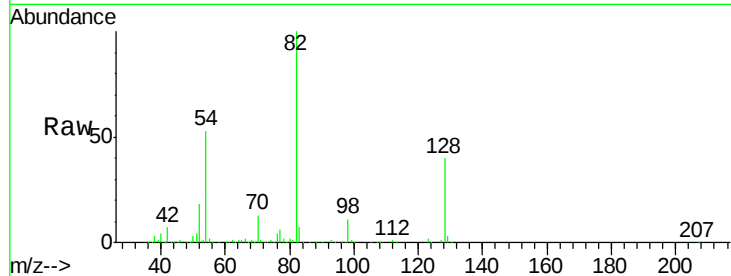
#23
 Nitrobenzene-d5
 Concen: 74.14 ng
 RT: 7.13 min Scan# 476
 Delta R.T. 0.00 min
 Lab File: BF083357.D
 Acq: 1 Dec 2015 2:43

Instrument :
 BNA_F
 ClientSampleId :
 PB86889BSD

Tgt Ion: 82 Resp: 1111432
 Ion Ratio Lower Upper
 82 100
 128 40.2 30.6 46.0
 54 53.1 43.8 65.6

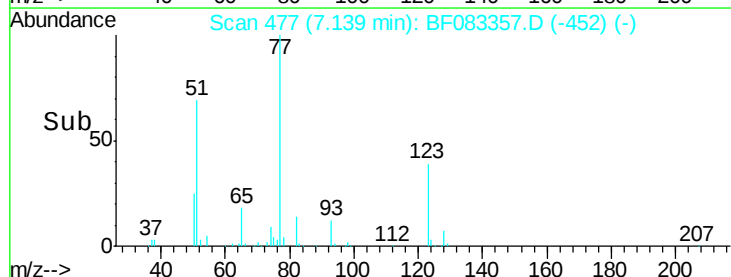
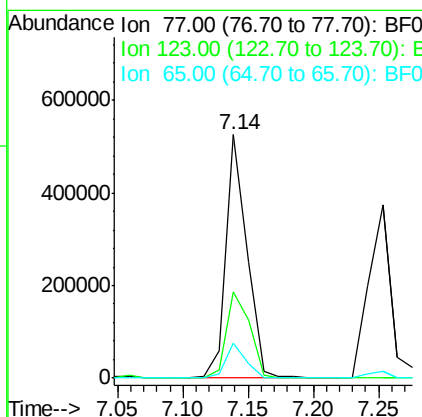
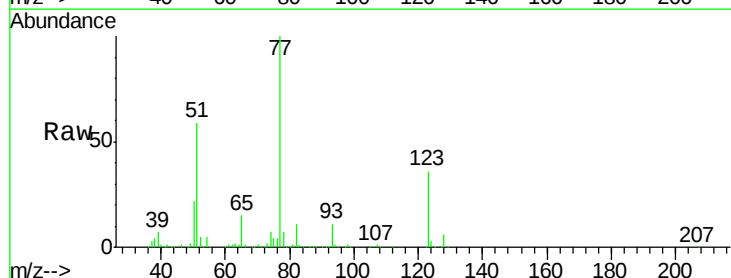
Manual Integrations
 APPROVED

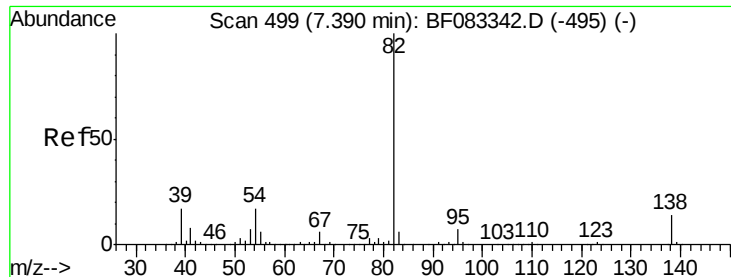
Mmdadoda
 12/1/2015 6:35:06 PM



#24
 Nitrobenzene
 Concen: 36.49 ng
 RT: 7.14 min Scan# 477
 Delta R.T. -0.01 min
 Lab File: BF083357.D
 Acq: 1 Dec 2015 2:43

Tgt Ion: 77 Resp: 584172
 Ion Ratio Lower Upper
 77 100
 123 35.5 37.4 56.0#
 65 14.5 10.6 15.8





#25

Isophorone

Concen: 39.29 ng

RT: 7.39 min Scan# 499

Delta R.T. 0.00 min

Lab File: BF083357.D

Acq: 1 Dec 2015 2:43

Instrument :

BNA_F

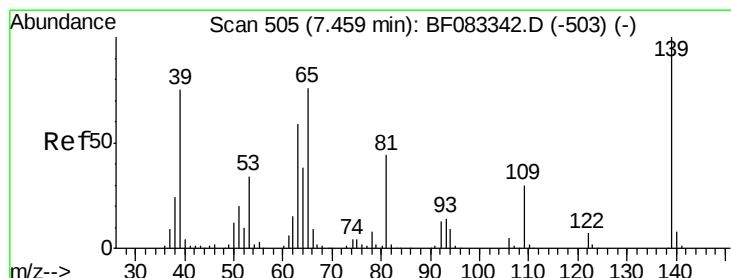
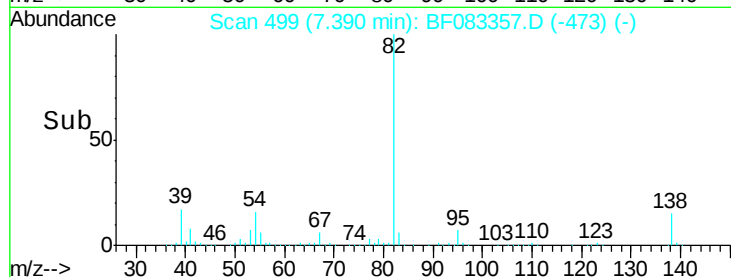
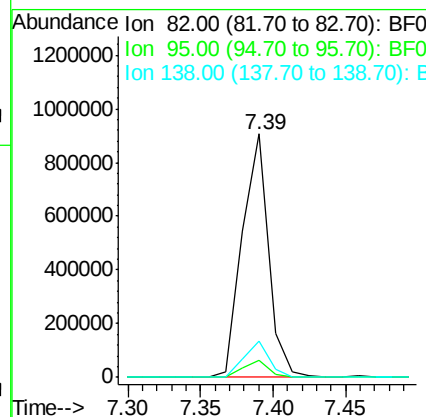
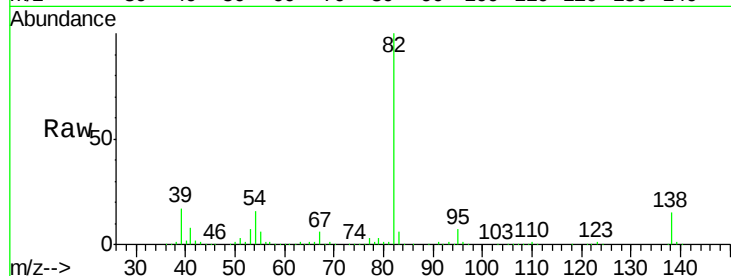
ClientSampleId :

PB86889BSD

Manual Integrations
APPROVED

Mmdadoda
12/1/2015 6:35:06 PM

Tgt Ion:	82	Resp:	1140874
Ion Ratio	Lower	Upper	
82	100		
95	6.8	5.3	7.9
138	14.8	11.6	17.4



#26

2-Nitrophenol

Concen: 38.90 ng

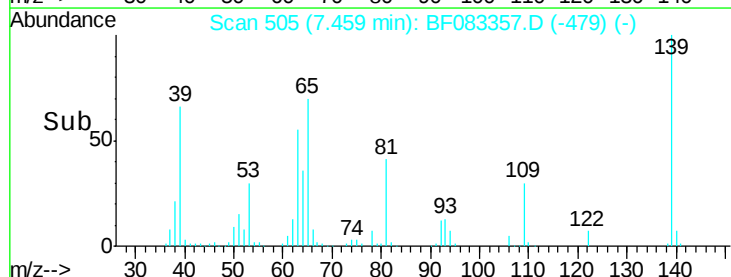
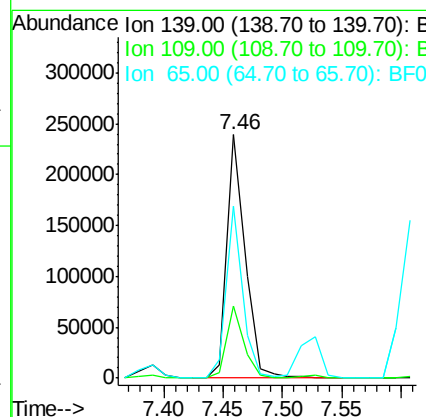
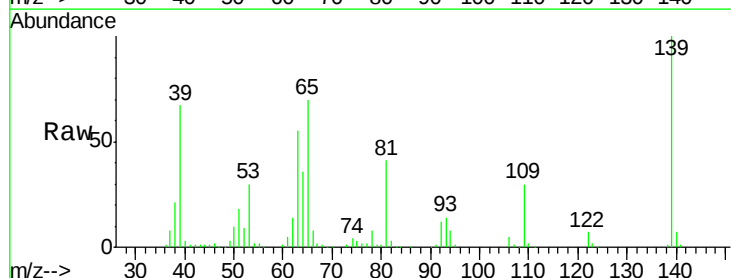
RT: 7.46 min Scan# 505

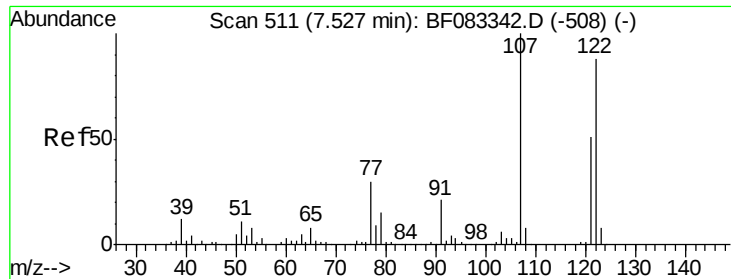
Delta R.T. 0.00 min

Lab File: BF083357.D

Acq: 1 Dec 2015 2:43

Tgt Ion:	139	Resp:	254221
Ion Ratio	Lower	Upper	
139	100		
109	29.6	24.2	36.4
65	70.4	61.0	91.6





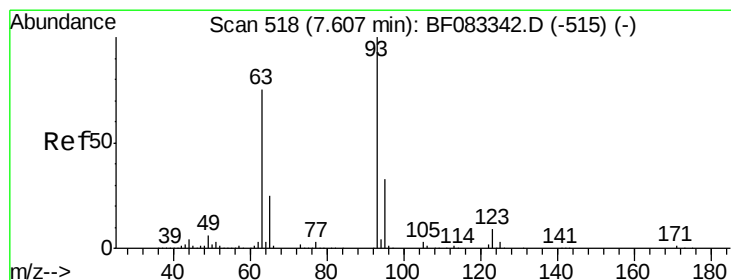
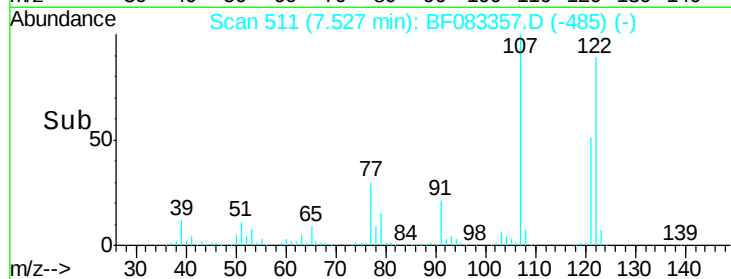
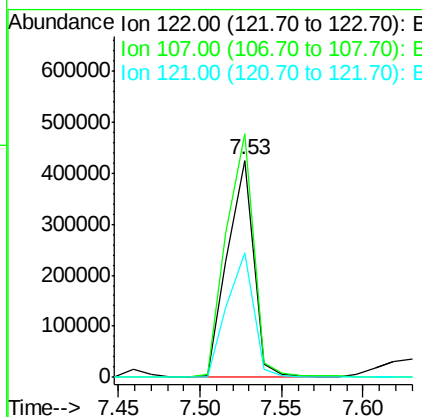
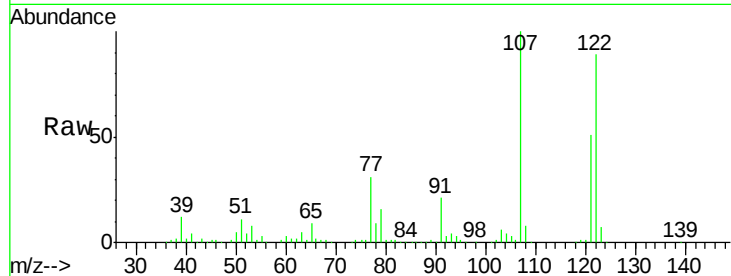
#27
2,4-Dimethylphenol
Concen: 43.33 ng
RT: 7.53 min Scan# 511
Delta R.T. 0.00 min
Lab File: BF083357.D
Acq: 1 Dec 2015 2:43

Instrument :
BNA_F
ClientSampleId :
PB86889BSD

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	474695		
107	112.3	91.2	136.8	
121	57.4	46.4	69.6	

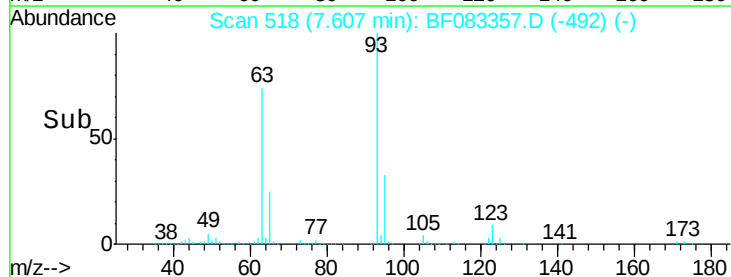
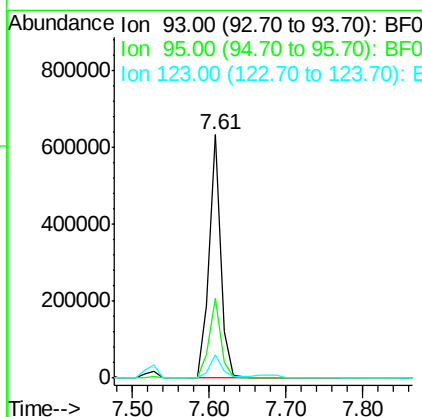
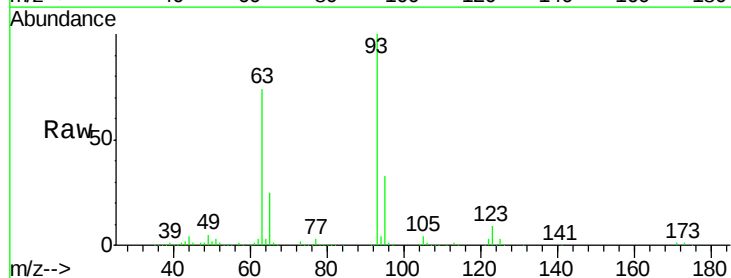
Manual Integrations
APPROVED

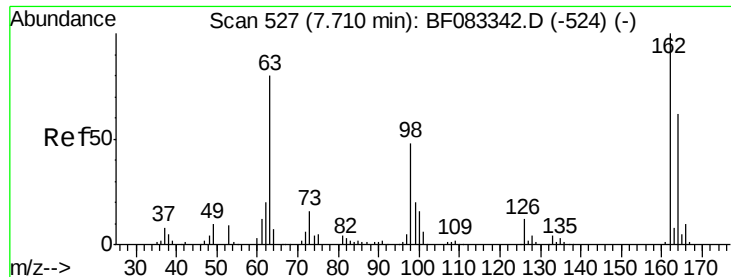
Mmdadoda
12/1/2015 6:35:06 PM



#28
bis(2-Chloroethoxy)methane
Concen: 40.06 ng
RT: 7.61 min Scan# 518
Delta R.T. 0.00 min
Lab File: BF083357.D
Acq: 1 Dec 2015 2:43

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	662405		
95	32.9	26.1	39.1	
123	9.4	7.4	11.0	





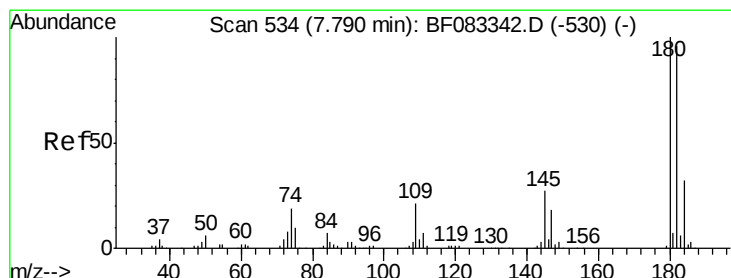
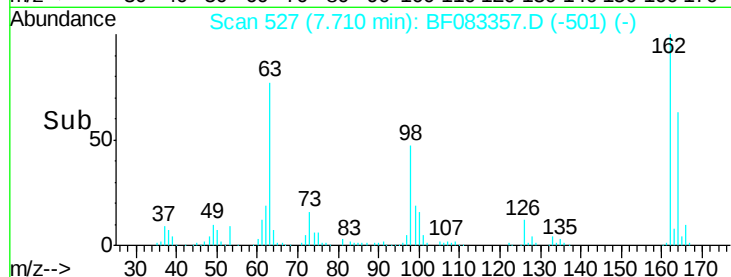
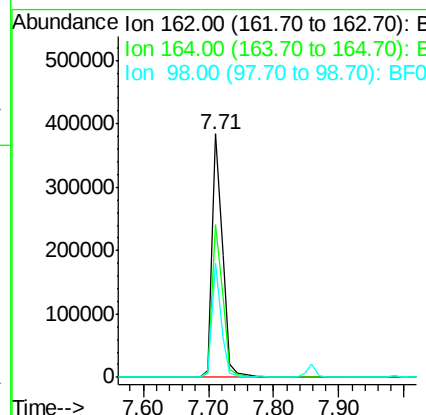
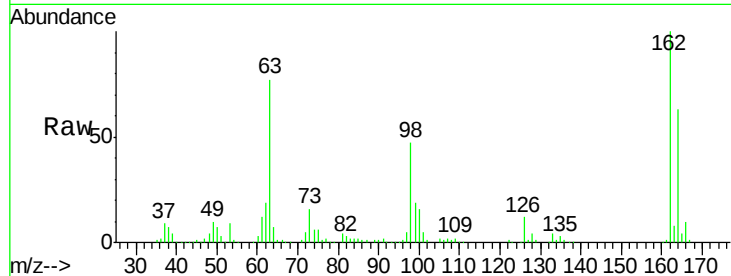
#29
 2,4-Dichlorophenol
 Concen: 40.83 ng
 RT: 7.71 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: BF083357.D
 Acq: 1 Dec 2015 2:43

Instrument :
 BNA_F
 ClientSampleId :
 PB86889BSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	62.8	41.9	81.9
98	47.1	28.1	68.1

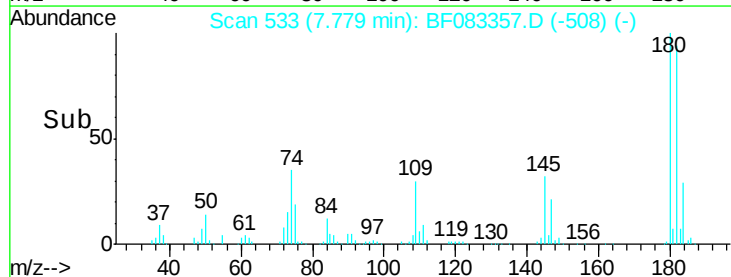
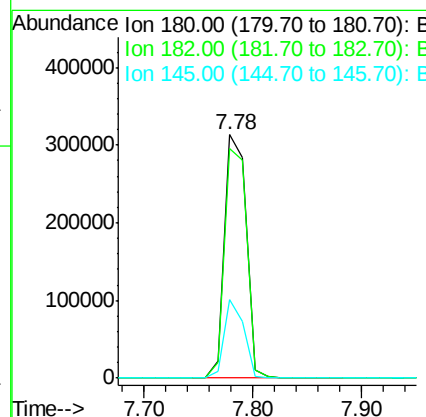
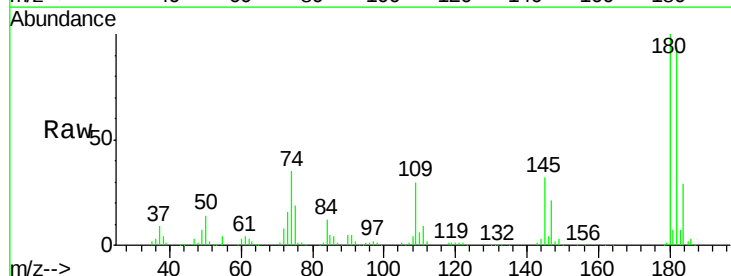
Manual Integrations
 APPROVED

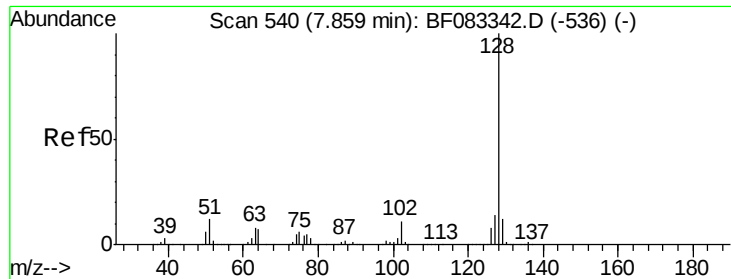
Mmdadoda
 12/1/2015 6:35:06 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 38.04 ng
 RT: 7.78 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: BF083357.D
 Acq: 1 Dec 2015 2:43

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.4	77.2	115.8
145	32.3	21.4	32.2





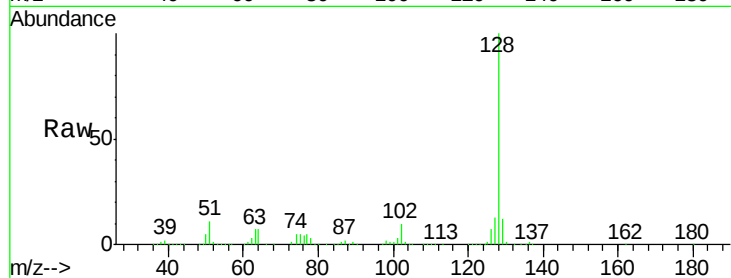
#31
Naphthalene
Concen: 38.95 ng
RT: 7.86 min Scan# 540
Delta R.T. 0.00 min
Lab File: BF083357.D
Acq: 1 Dec 2015 2:43

Instrument :
BNA_F
ClientSampleId :
PB86889BSD

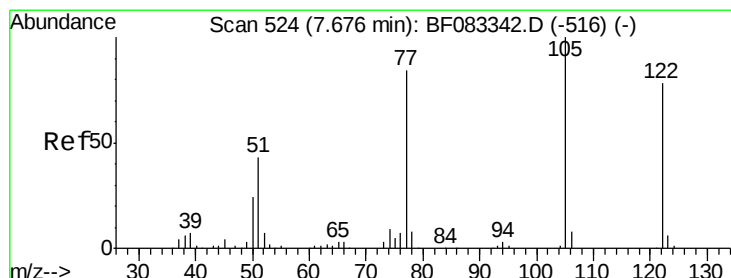
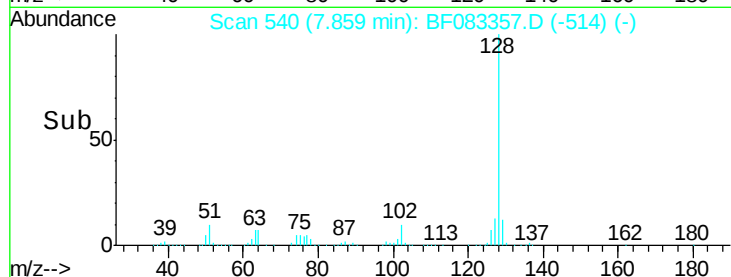
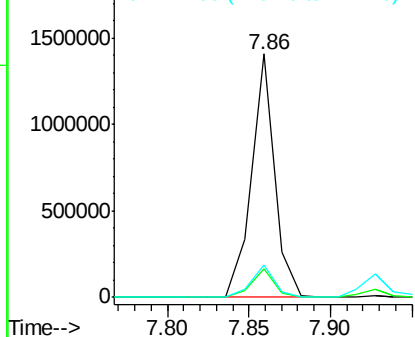
Tgt Ion:128 Resp: 1392880
Ion Ratio Lower Upper
128 100
129 11.9 9.7 14.5
127 13.3 11.0 16.4

Manual Integrations
APPROVED

Mmdadoda
12/1/2015 6:35:06 PM



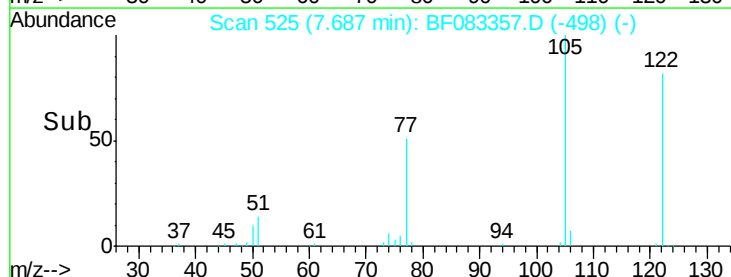
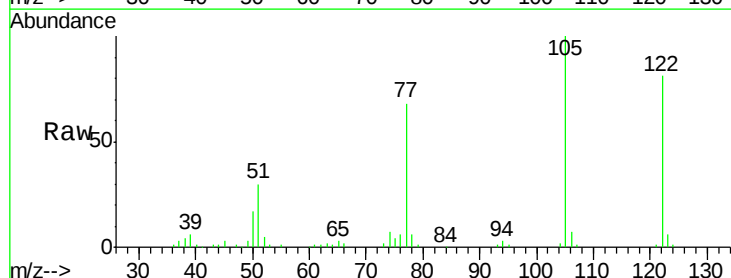
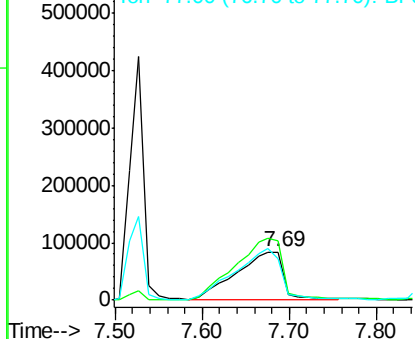
Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

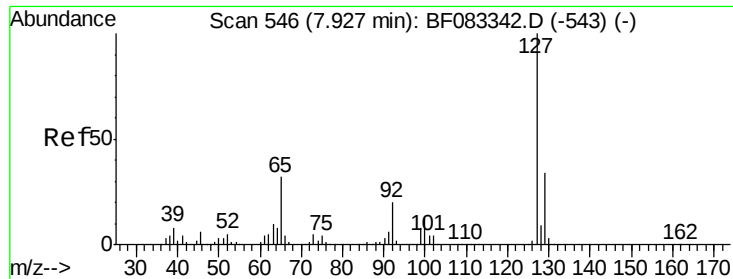


#32
Benzoic acid
Concen: 41.32 ng
RT: 7.69 min Scan# 525
Delta R.T. 0.01 min
Lab File: BF083357.D
Acq: 1 Dec 2015 2:43

Tgt Ion:122 Resp: 312246
Ion Ratio Lower Upper
122 100
105 123.3 106.0 146.0
77 84.3 86.3 126.3#

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





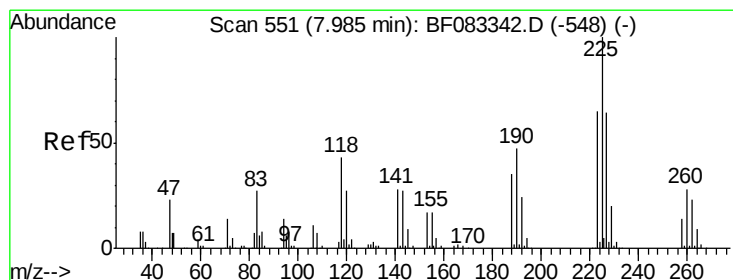
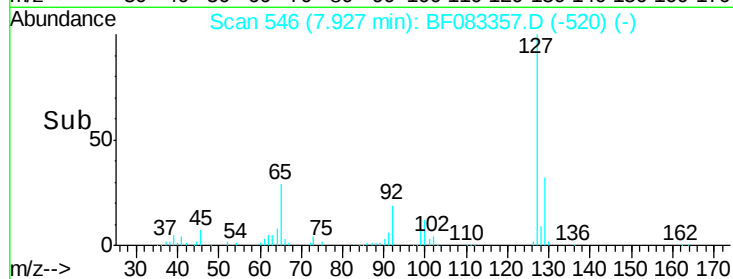
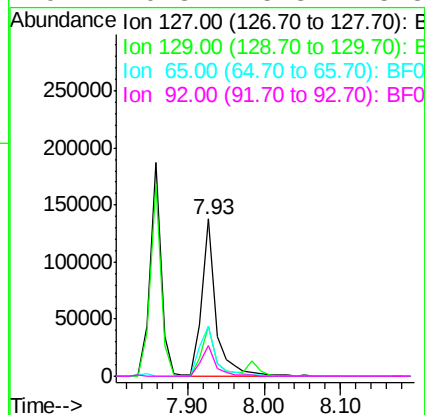
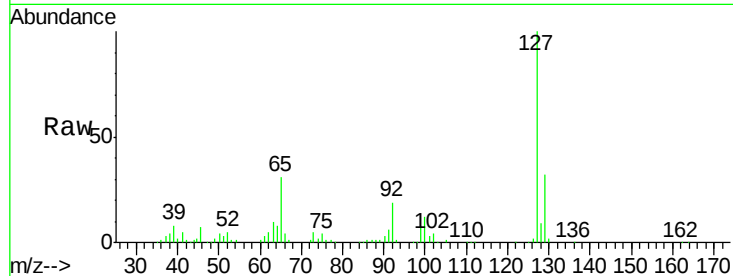
#33
4-Chloroaniline
Concen: 11.39 ng
RT: 7.93 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF083357.D
Acq: 1 Dec 2015 2:43

Instrument :
BNA_F
ClientSampleId :
PB86889BSD

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	175610		
129	31.8	27.0	40.4	
65	31.4	25.9	38.9	
92	19.3	15.8	23.8	

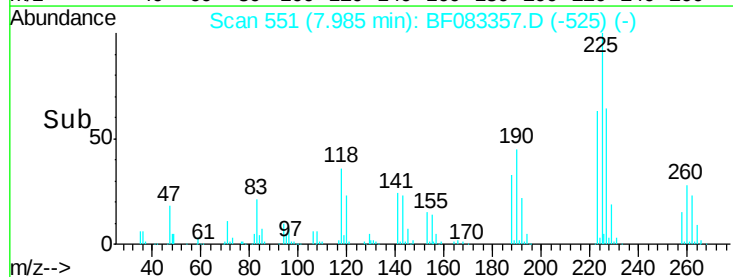
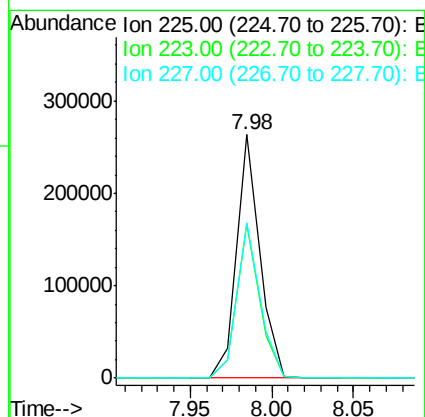
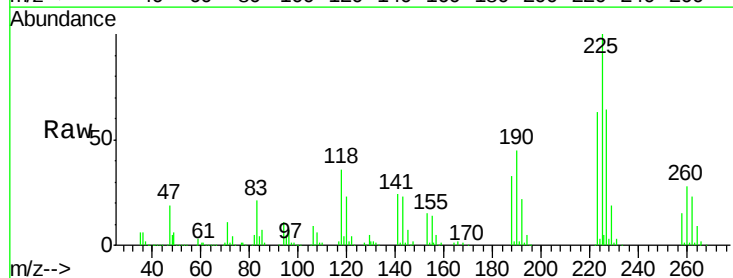
Manual Integrations
APPROVED

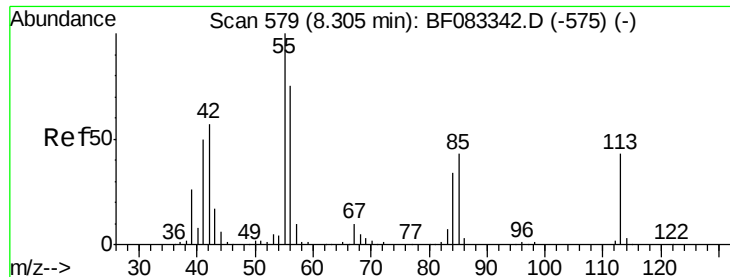
Mmdadoda
12/1/2015 6:35:06 PM



#34
Hexachlorobutadiene
Concen: 39.53 ng
RT: 7.98 min Scan# 551
Delta R.T. 0.00 min
Lab File: BF083357.D
Acq: 1 Dec 2015 2:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	257419		
223	63.0	52.0	78.0	
227	63.9	51.1	76.7	





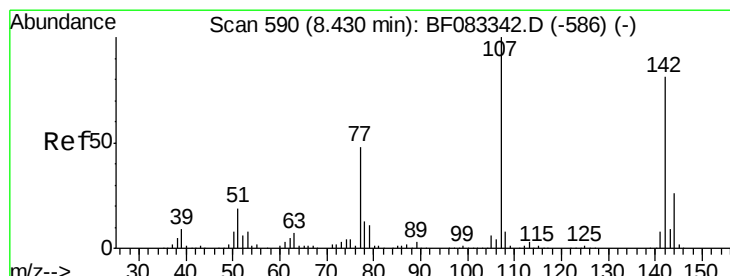
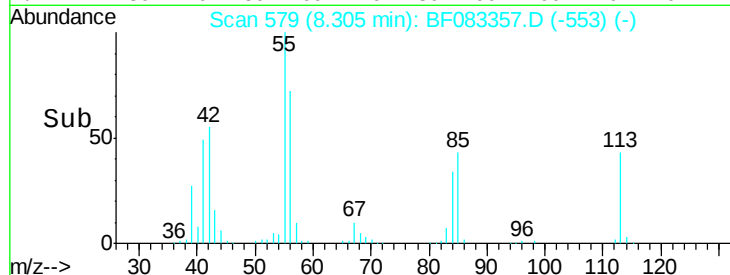
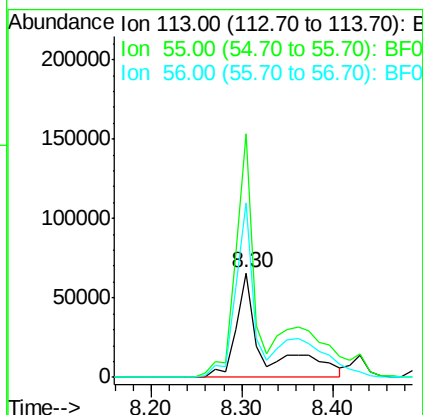
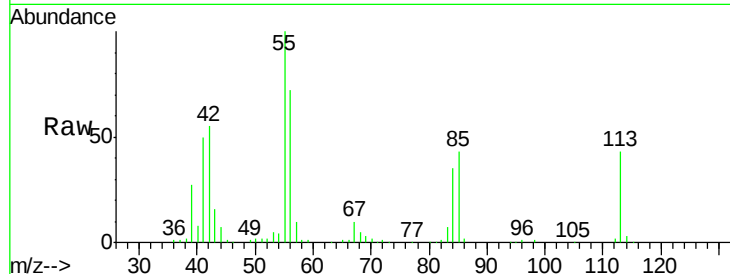
#35
 Caprolactam
 Concen: 42.78 ng m
 RT: 8.30 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: BF083357.D
 Acq: 1 Dec 2015 2:43

Instrument :
 BNA_F
 ClientSampleId :
 PB86889BSD

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	142420		
55	233.0	211.6	251.6	
56	167.3	153.0	193.0	

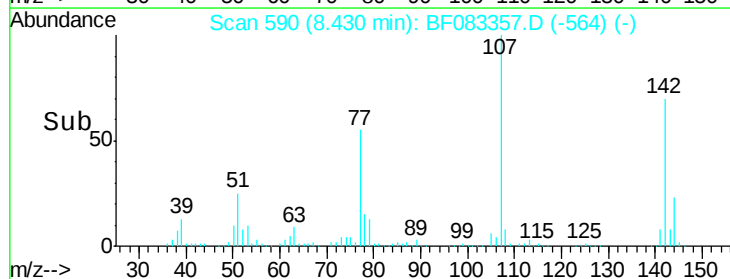
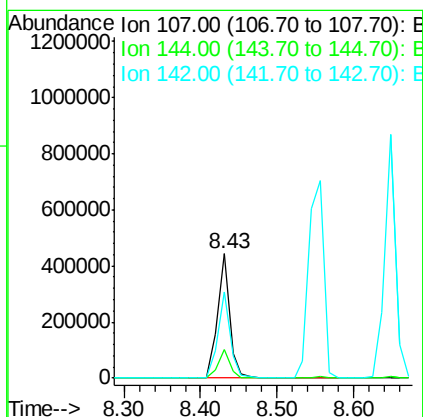
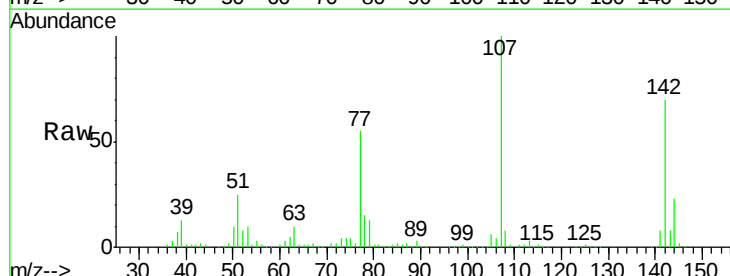
Manual Integrations
 APPROVED

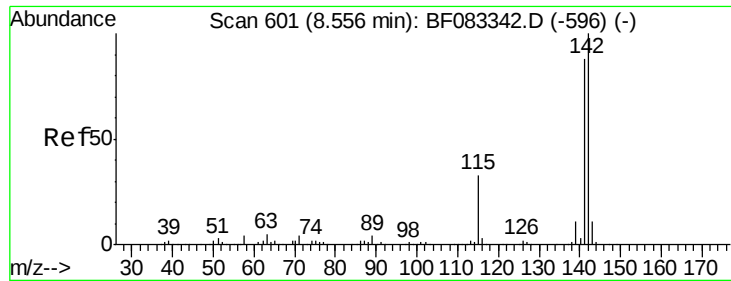
Mmdadoda
 12/1/2015 6:35:06 PM



#36
 4-Chloro-3-methylphenol
 Concen: 41.89 ng
 RT: 8.43 min Scan# 590
 Delta R.T. 0.00 min
 Lab File: BF083357.D
 Acq: 1 Dec 2015 2:43

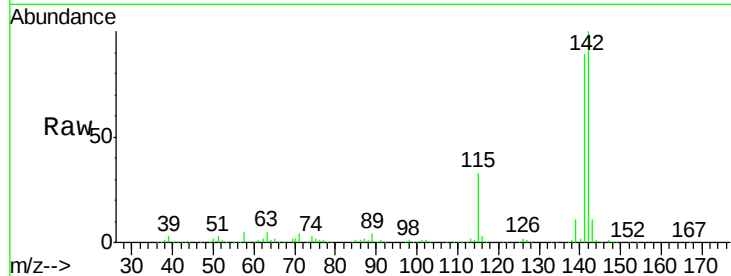
Tgt Ion	Ratio	Resp	Lower	Upper
107	100	495100		
144	22.7	21.1	31.7	
142	69.6	65.1	97.7	





#37
2-Methylnaphthalene
Concen: 39.91 ng
RT: 8.56 min Scan# 601
Delta R.T. 0.00 min
Lab File: BF083357.D
Acq: 1 Dec 2015 2:43

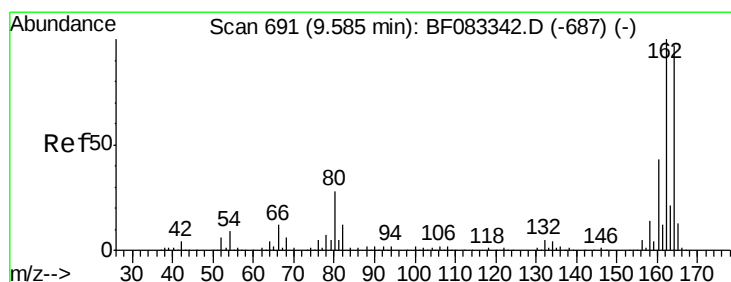
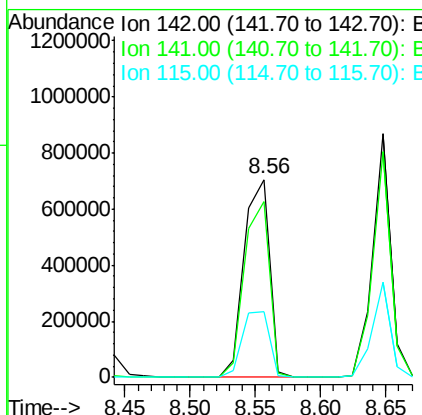
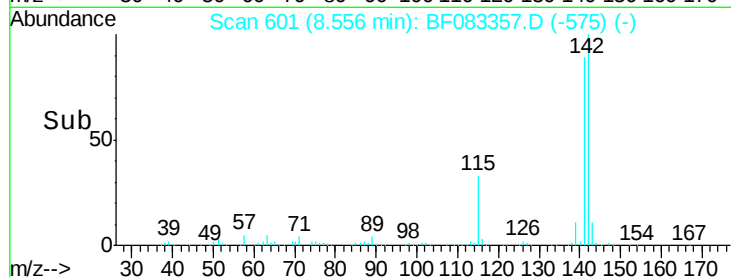
Instrument :
BNA_F
ClientSampleId :
PB86889BSD



Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
141	89.0	70.6	105.8
115	33.3	26.2	39.2

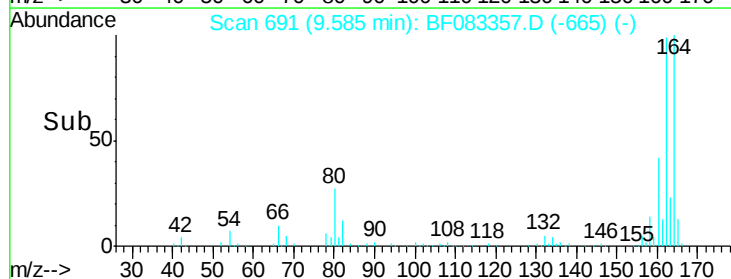
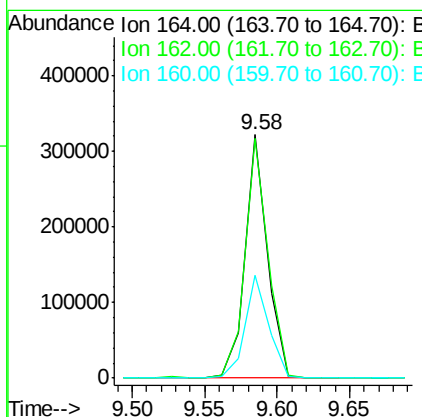
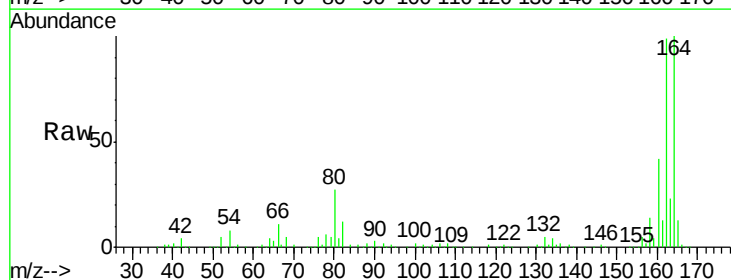
Manual Integrations
APPROVED

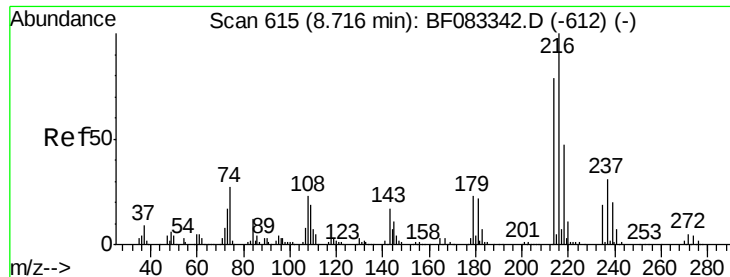
Mmdadoda
12/1/2015 6:35:06 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.58 min Scan# 691
Delta R.T. 0.00 min
Lab File: BF083357.D
Acq: 1 Dec 2015 2:43

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	98.7	82.6	123.8
160	42.3	35.3	52.9





#39

1,2,4,5-Tetrachlorobenzene

Concen: 37.03 ng

RT: 8.72 min Scan# 615

Delta R.T. 0.00 min

Lab File: BF083357.D

Acq: 1 Dec 2015 2:43

Instrument :

BNA_F

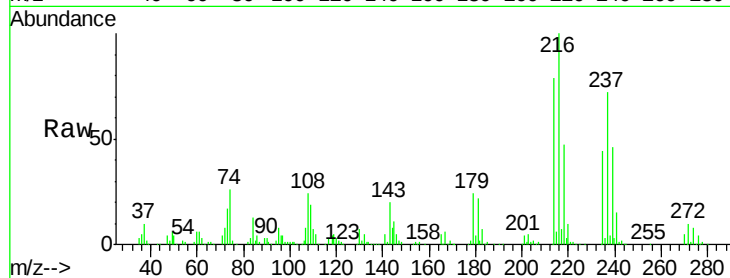
ClientSampleId :

PB86889BSD

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	403691		
214	78.8	62.3	93.5	
179	21.6	17.0	25.4	
108	22.8	16.7	25.1	

Manual Integrations
APPROVED

Mmdadoda
12/1/2015 6:35:06 PM



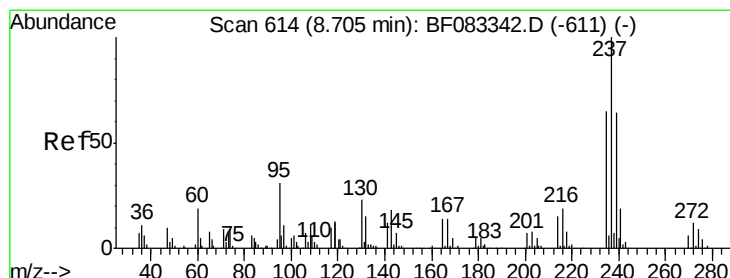
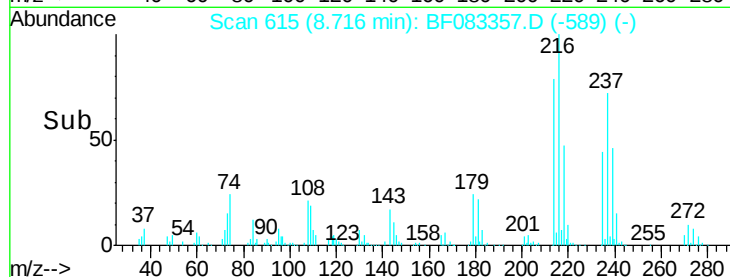
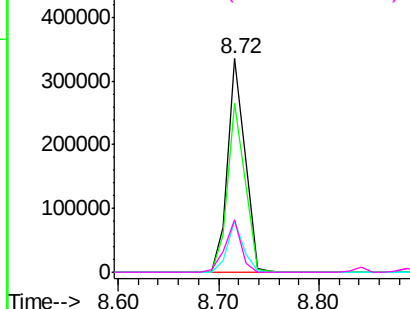
Abundance

Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 83.93 ng

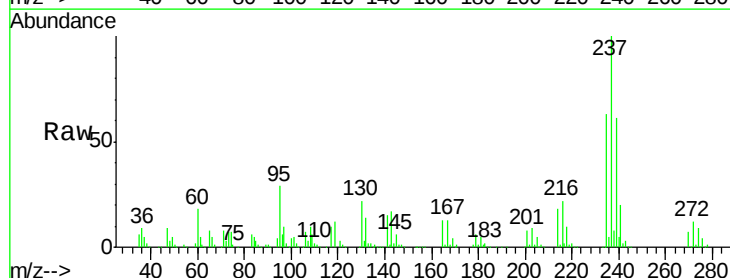
RT: 8.70 min Scan# 614

Delta R.T. 0.00 min

Lab File: BF083357.D

Acq: 1 Dec 2015 2:43

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	434694		
235	62.9	44.5	84.5	
272	11.5	0.0	31.6	

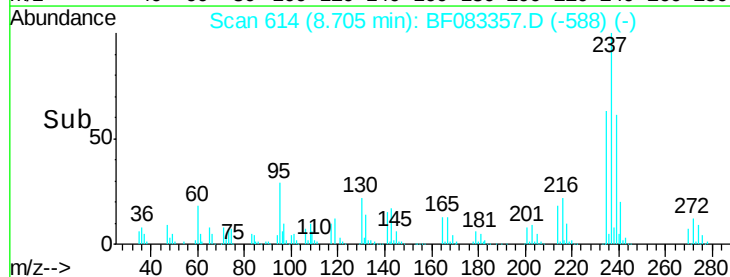
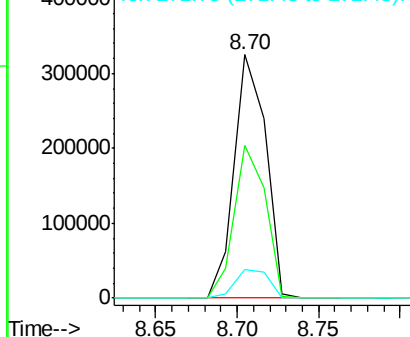


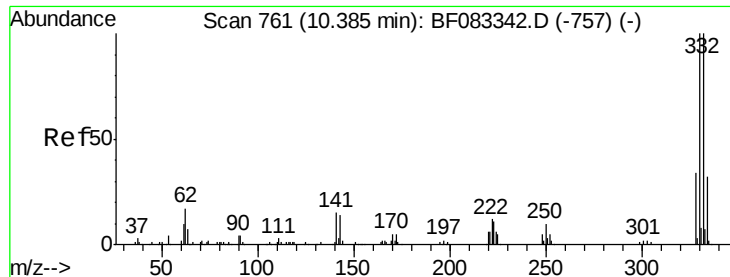
Abundance

Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

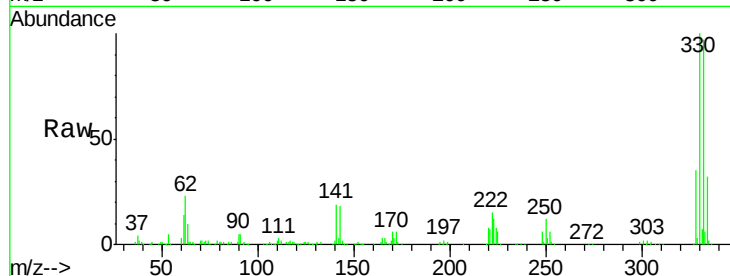
Ion 271.75 (271.45 to 272.45): E





#41
 2,4,6-Tribromophenol
 Concen: 115.82 ng
 RT: 10.38 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: BF083357.D
 Acq: 1 Dec 2015 2:43

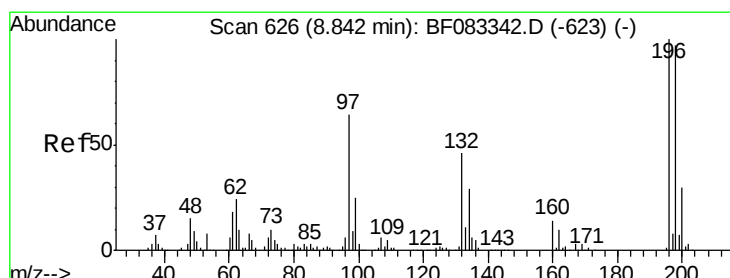
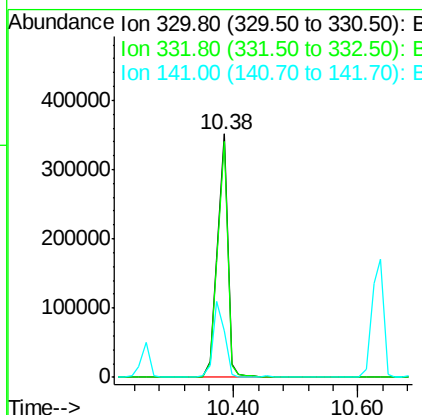
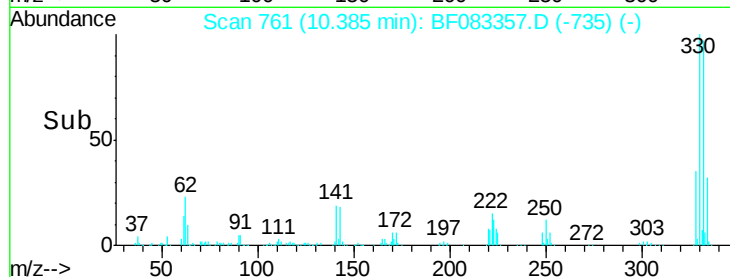
Instrument :
 BNA_F
 ClientSampleId :
 PB86889BSD



Tgt Ion	Ratio	Resp	Lower	Upper
330	100	399887		
332	96.8	77.8	116.6	
141	34.9	29.4	44.0	

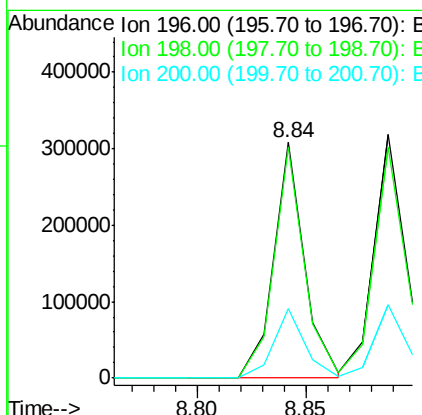
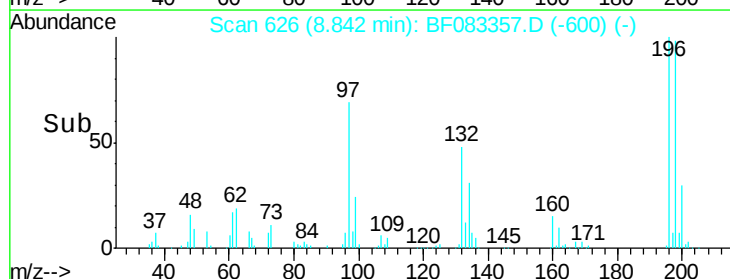
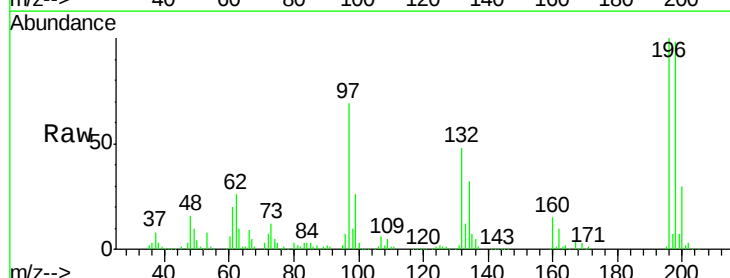
Manual Integrations
 APPROVED

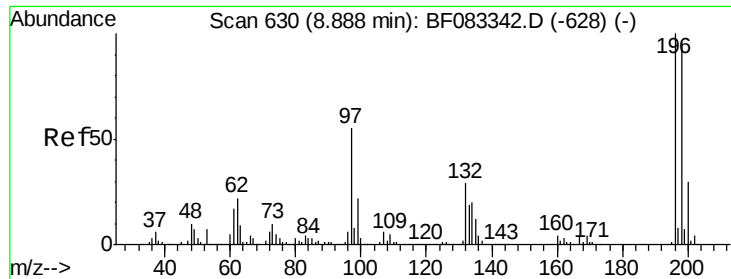
Mmdadoda
 12/1/2015 6:35:06 PM



#42
 2,4,6-Trichlorophenol
 Concen: 39.92 ng
 RT: 8.84 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: BF083357.D
 Acq: 1 Dec 2015 2:43

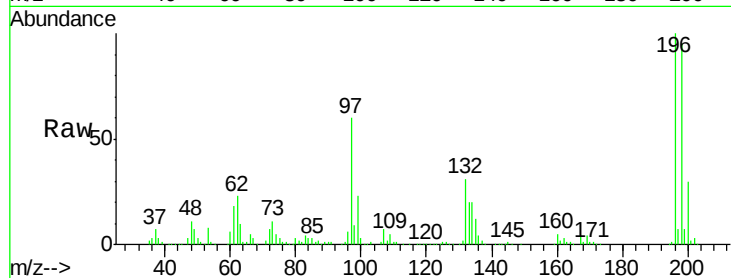
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	305298		
198	97.8	77.2	115.8	
200	29.8	24.2	36.4	





#43
 2,4,5-Trichlorophenol
 Concen: 42.32 ng
 RT: 8.89 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: BF083357.D
 Acq: 1 Dec 2015 2:43

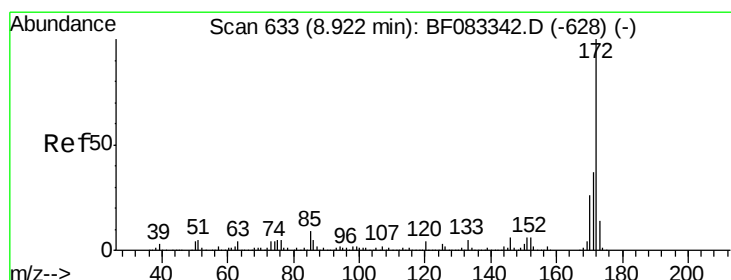
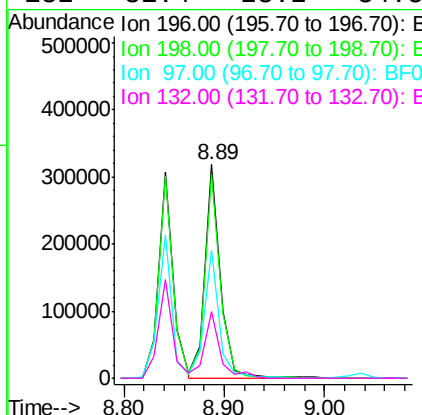
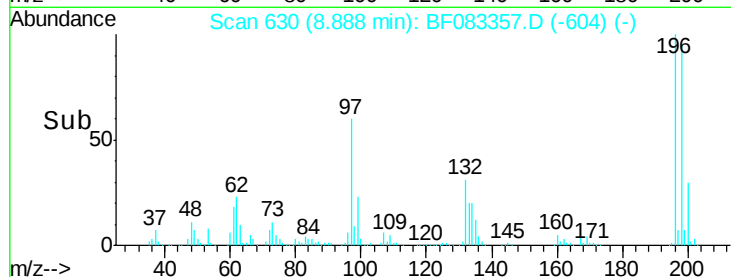
Instrument :
 BNA_F
 ClientSampleId :
 PB86889BSD



Tgt Ion	Ratio	Resp	Lower	Upper
196	100	335307		
198	95.1	77.2	115.8	
97	59.6	44.4	66.6	
132	31.4	23.2	34.8	

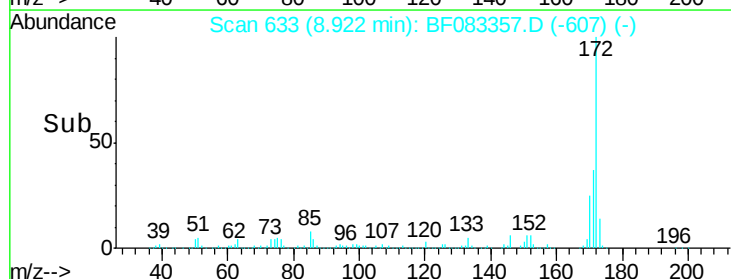
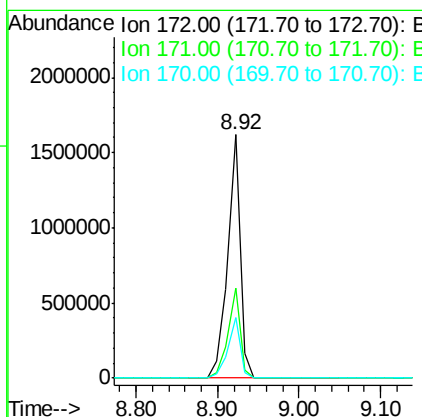
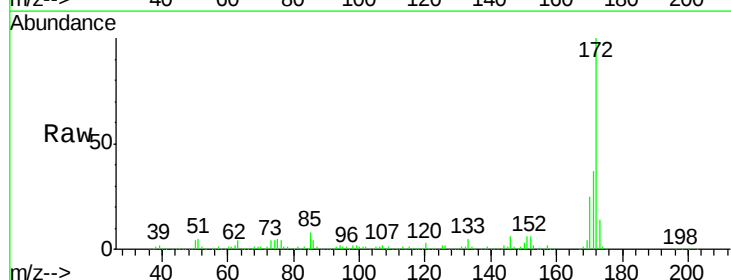
Manual Integrations
 APPROVED

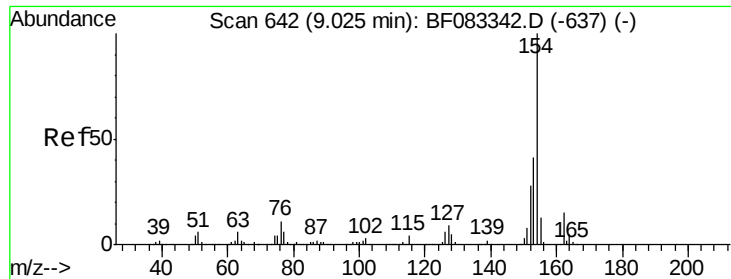
Mmdadoda
 12/1/2015 6:35:06 PM



#44
 2-Fluorobiphenyl
 Concen: 71.18 ng
 RT: 8.92 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: BF083357.D
 Acq: 1 Dec 2015 2:43

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1717968		
171	36.9	29.4	44.0	
170	25.1	20.4	30.6	





#45

1,1'-Biphenyl

Concen: 36.59 ng

RT: 9.01 min Scan# 641

Delta R.T. -0.01 min

Lab File: BF083357.D

Acq: 1 Dec 2015 2:43

Instrument :

BNA_F

ClientSampleId :

PB86889BSD

Tgt Ion:154 Resp: 1103562
Ion Ratio Lower Upper

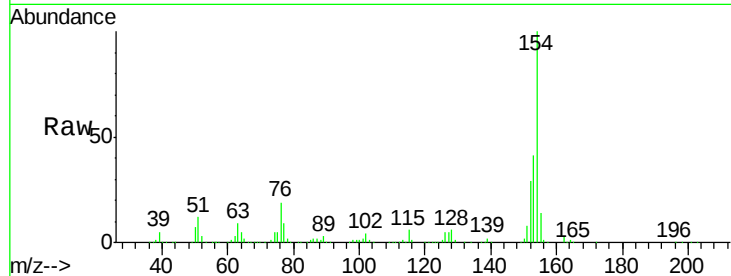
154 100

153 41.0 20.6 60.6

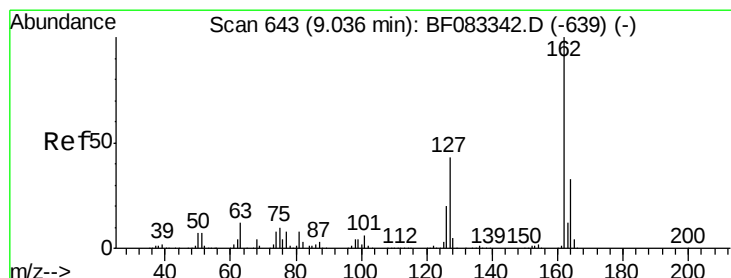
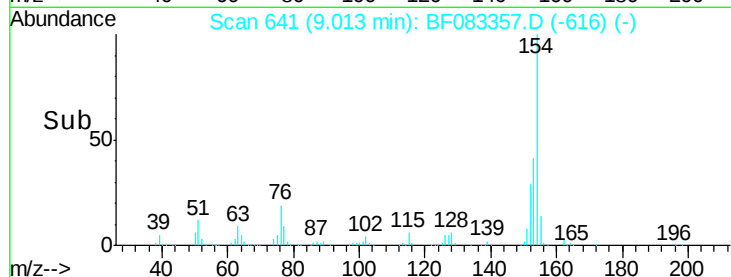
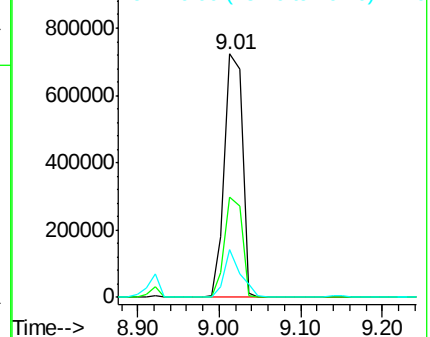
76 19.4 0.0 30.5

Manual Integrations
APPROVED

Mmdadoda
12/1/2015 6:35:06 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: 38.46 ng

RT: 9.04 min Scan# 643

Delta R.T. 0.00 min

Lab File: BF083357.D

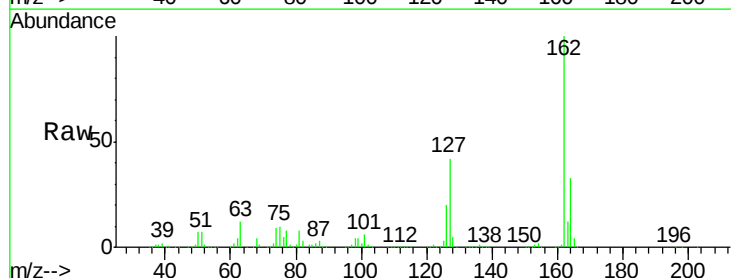
Acq: 1 Dec 2015 2:43

Tgt Ion:162 Resp: 883952
Ion Ratio Lower Upper

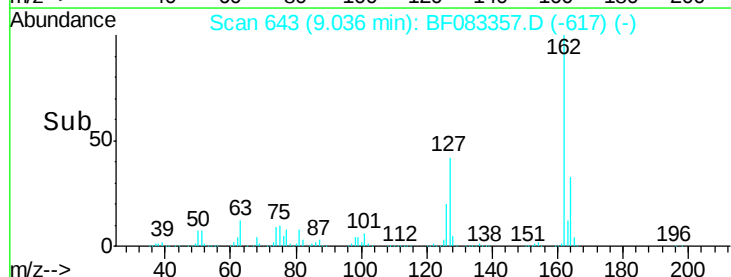
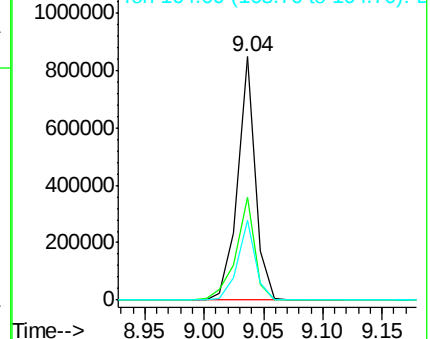
162 100

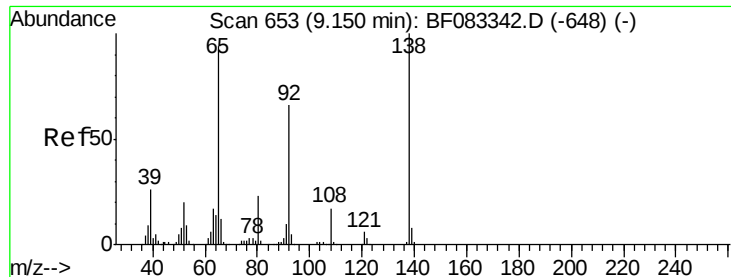
127 42.4 34.1 51.1

164 33.0 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: 41.93 ng

RT: 9.15 min Scan# 653

Delta R.T. 0.00 min

Lab File: BF083357.D

Acq: 1 Dec 2015 2:43

Instrument :

BNA_F

ClientSampleId :

PB86889BSD

Tgt Ion: 65 Resp: 381653
Ion Ratio Lower Upper

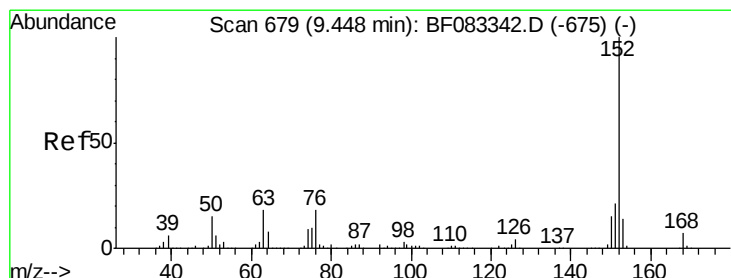
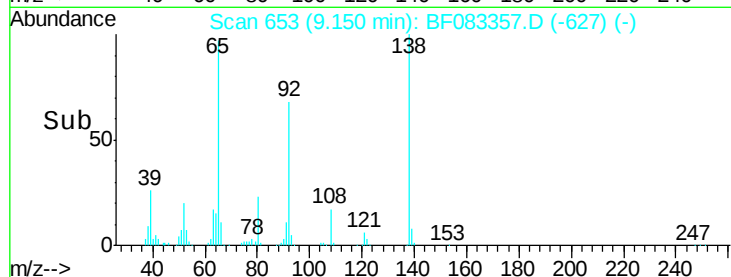
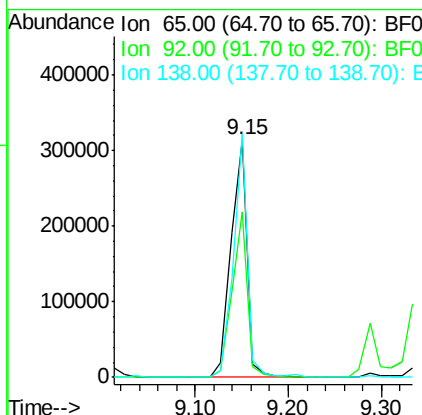
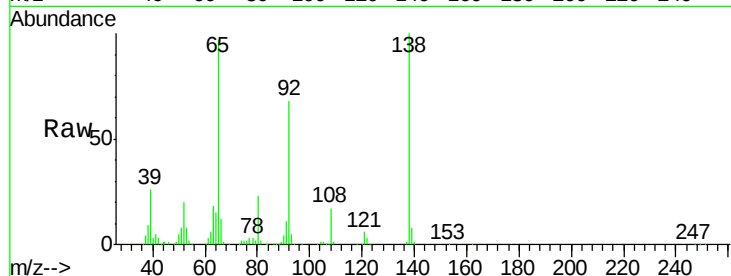
65 100

92 69.6 56.2 84.4

138 102.6 85.4 128.0

Manual Integrations
APPROVED

Mmdadoda
12/1/2015 6:35:06 PM



#48

Acenaphthylene

Concen: 38.15 ng

RT: 9.45 min Scan# 679

Delta R.T. 0.00 min

Lab File: BF083357.D

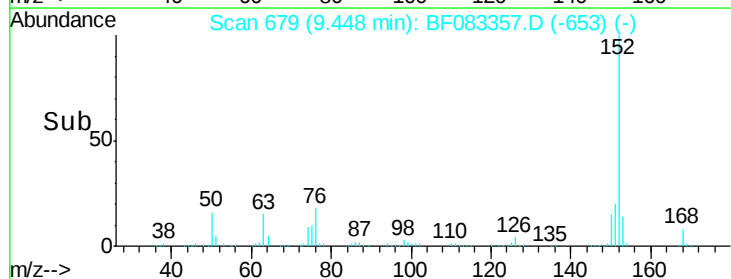
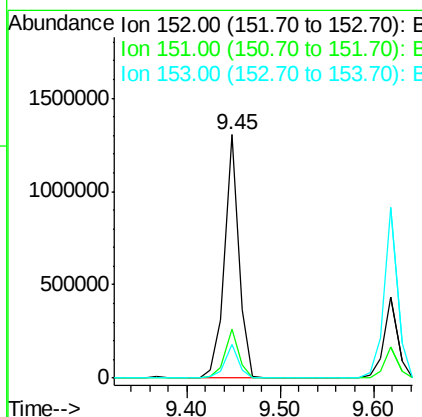
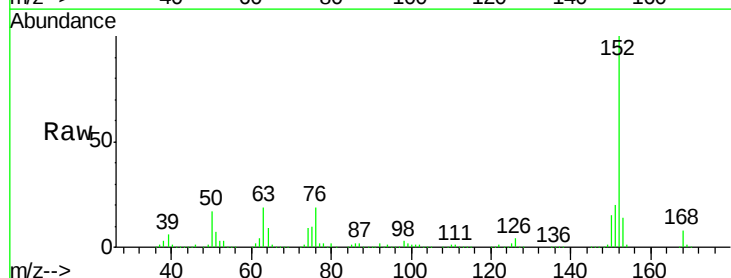
Acq: 1 Dec 2015 2:43

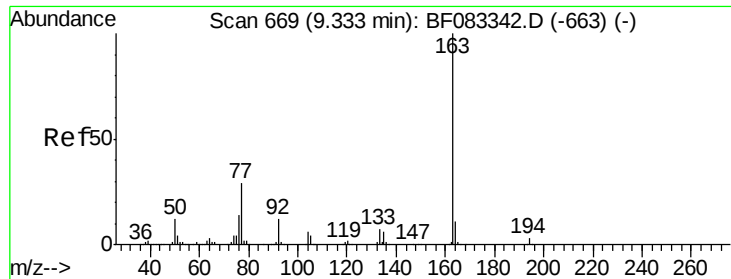
Tgt Ion: 152 Resp: 1398664
Ion Ratio Lower Upper

152 100

151 20.4 16.7 25.1

153 14.1 11.2 16.8





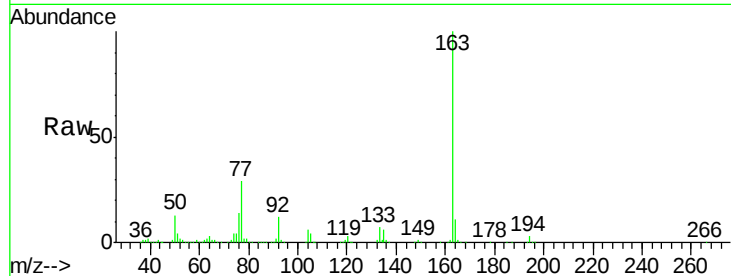
#49
Dimethylphthalate
Concen: 37.98 ng
RT: 9.33 min Scan# 669
Delta R.T. 0.00 min
Lab File: BF083357.D
Acq: 1 Dec 2015 2:43

Instrument :
BNA_F
ClientSampleId :
PB86889BSD

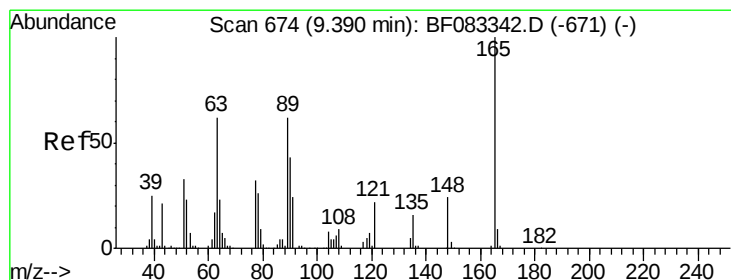
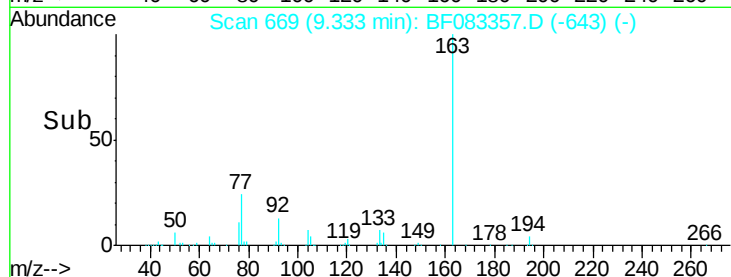
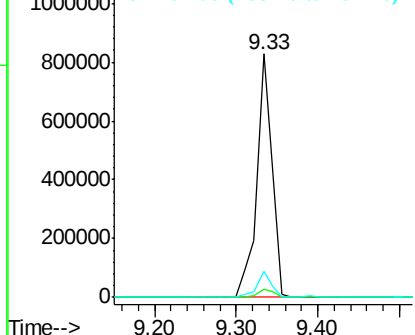
Tgt Ion:163 Resp: 1061524
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.9 8.8 13.2

Manual Integrations
APPROVED

Mmdadoda
12/1/2015 6:35:06 PM

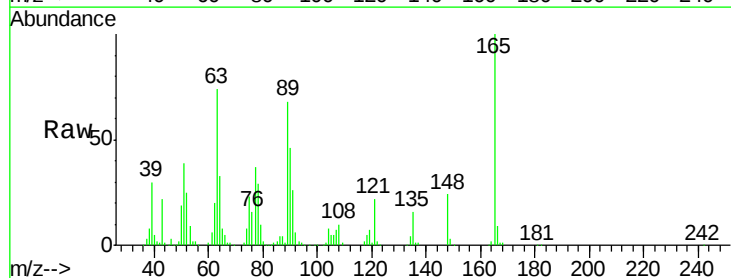


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

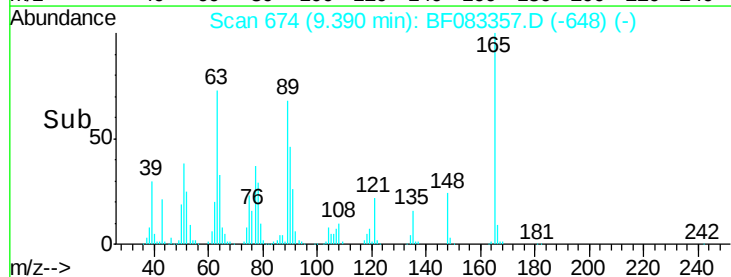
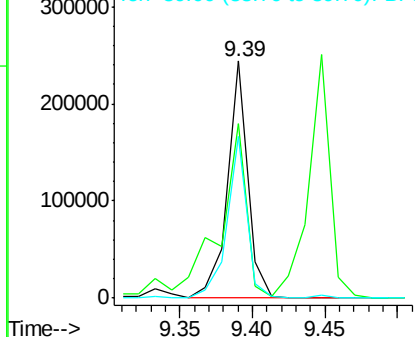


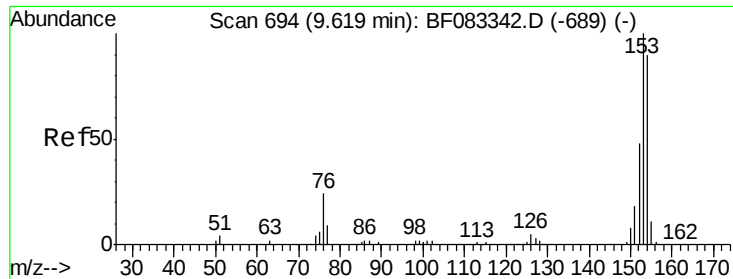
#50
2,6-Dinitrotoluene
Concen: 39.69 ng
RT: 9.39 min Scan# 674
Delta R.T. 0.00 min
Lab File: BF083357.D
Acq: 1 Dec 2015 2:43

Tgt Ion:165 Resp: 236927
Ion Ratio Lower Upper
165 100
63 73.5 56.0 84.0
89 68.3 49.8 74.8



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: 38.72 ng

RT: 9.62 min Scan# 694

Delta R.T. 0.00 min

Lab File: BF083357.D

Acq: 1 Dec 2015 2:43

Instrument :

BNA_F

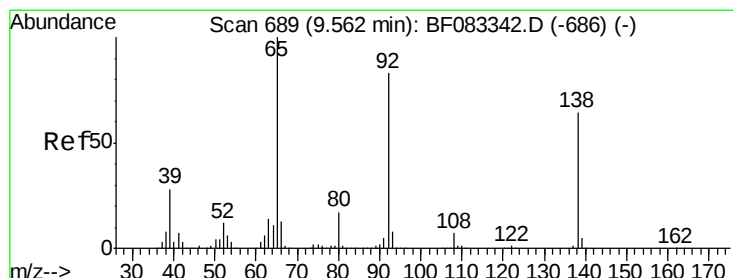
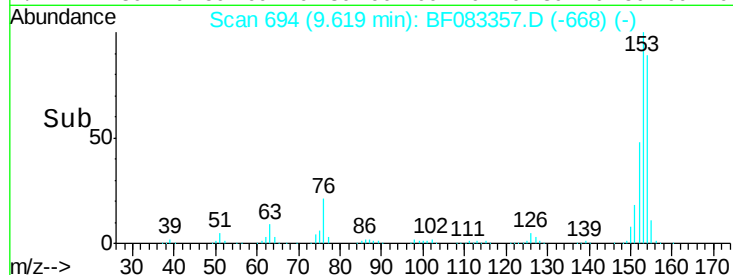
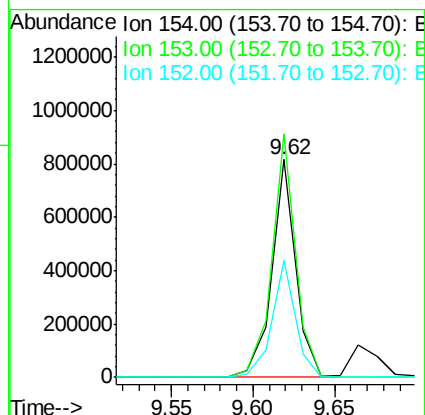
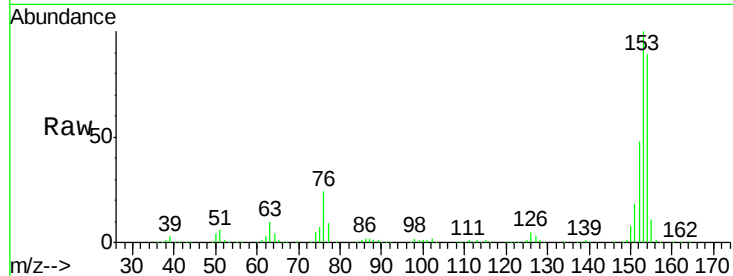
ClientSampleId :

PB86889BSD

Manual Integrations
APPROVED

Mmdadoda
12/1/2015 6:35:06 PM

Tgt Ion:	154	Resp:	835042
Ion Ratio	Lower	Upper	
154	100		
153	111.7	89.3	133.9
152	53.5	42.5	63.7



#52

3-Nitroaniline

Concen: 15.40 ng

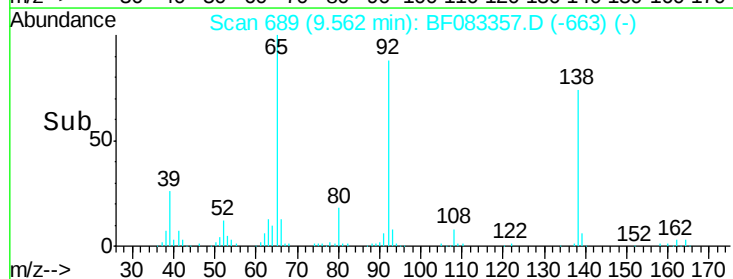
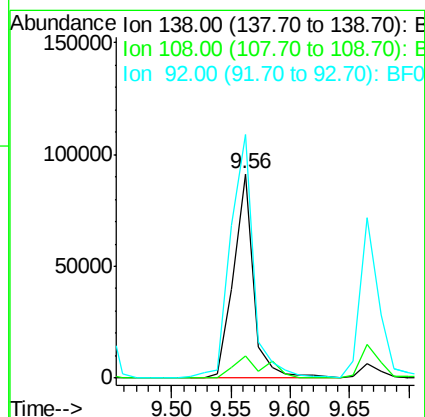
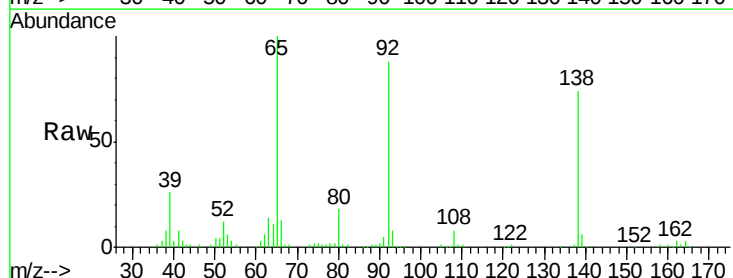
RT: 9.56 min Scan# 689

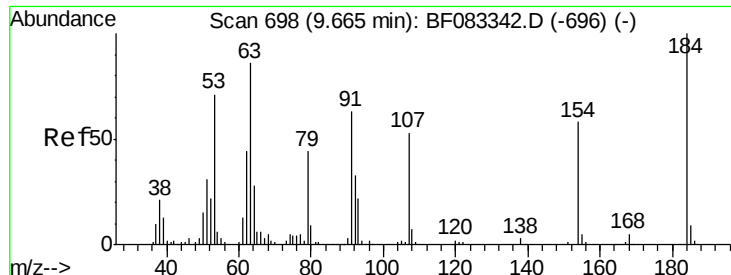
Delta R.T. 0.00 min

Lab File: BF083357.D

Acq: 1 Dec 2015 2:43

Tgt Ion:	138	Resp:	107752
Ion Ratio	Lower	Upper	
138	100		
108	10.8	8.4	12.6
92	119.1	104.2	156.4





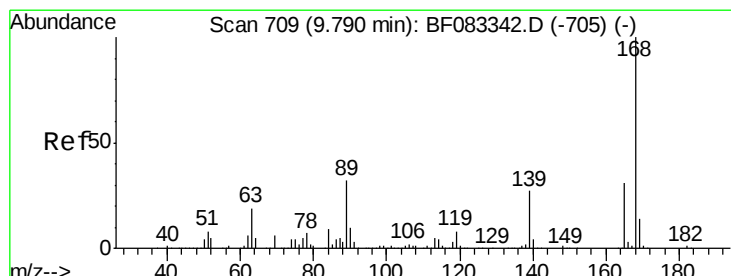
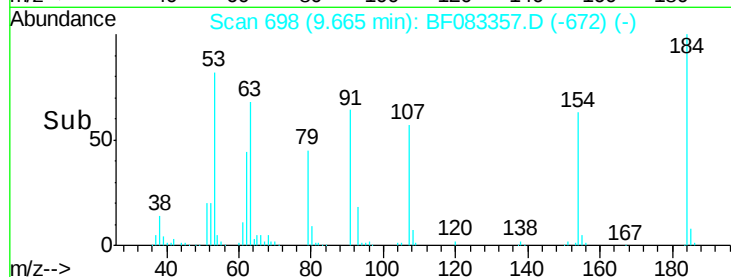
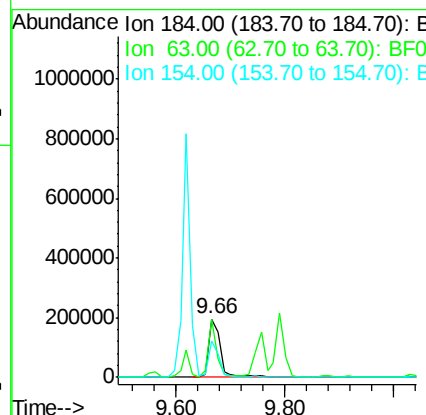
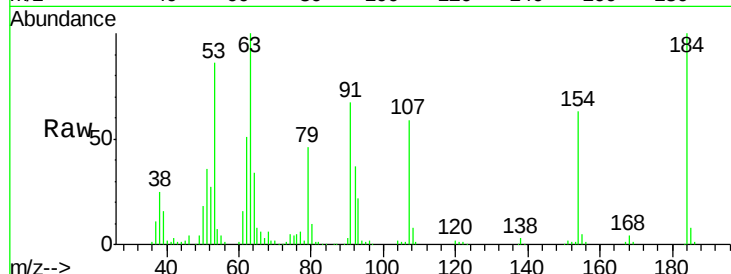
#53
 2,4-Dinitrophenol
 Concen: 76.50 ng
 RT: 9.66 min Scan# 698
 Delta R.T. 0.00 min
 Lab File: BF083357.D
 Acq: 1 Dec 2015 2:43

Instrument :
 BNA_F
 ClientSampleID :
 PB86889BSD

Manual Integrations
 APPROVED

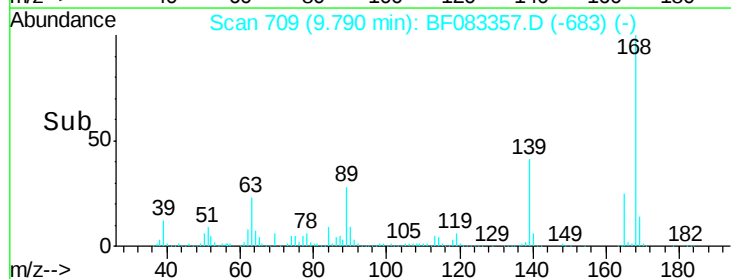
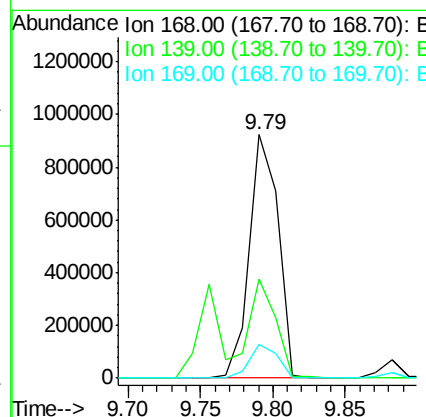
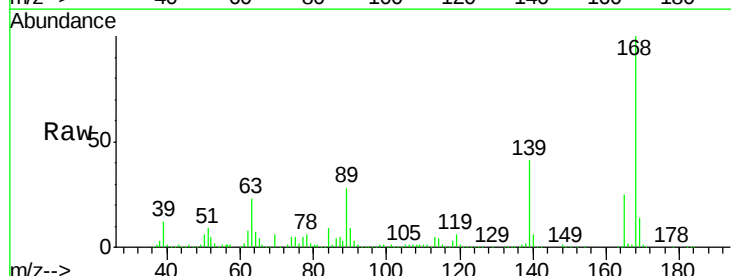
Mmdadoda
 12/1/2015 6:35:06 PM

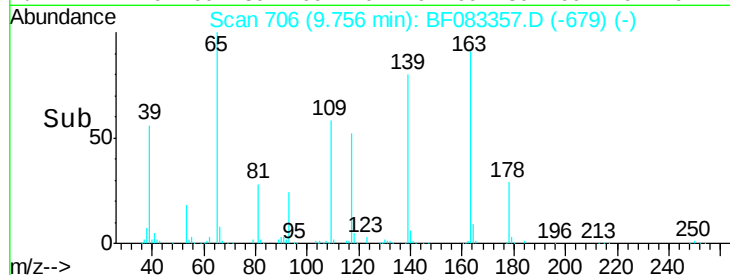
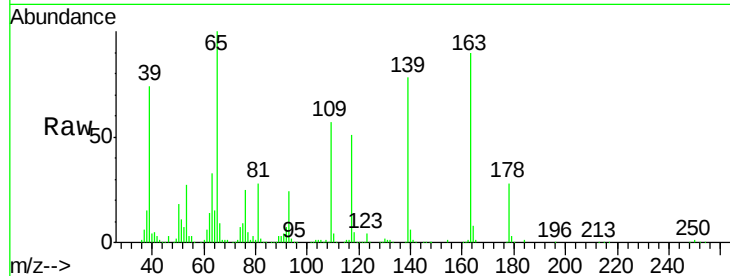
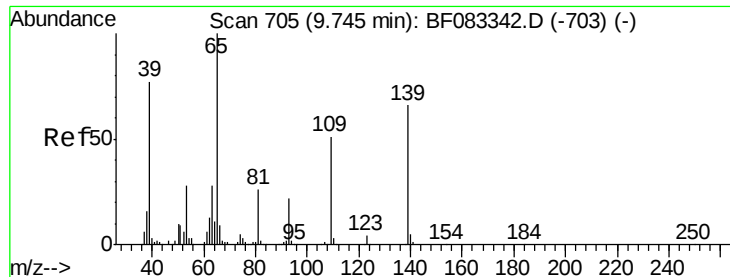
Tgt Ion	Ratio	Resp	Lower	Upper
184	100	284761		
63	99.9	69.0	103.6	
154	63.2	50.0	75.0	



#54
 Dibenzofuran
 Concen: 40.30 ng
 RT: 9.79 min Scan# 709
 Delta R.T. 0.00 min
 Lab File: BF083357.D
 Acq: 1 Dec 2015 2:43

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1273433		
139	40.6	32.7	49.1	
169	14.1	11.1	16.7	





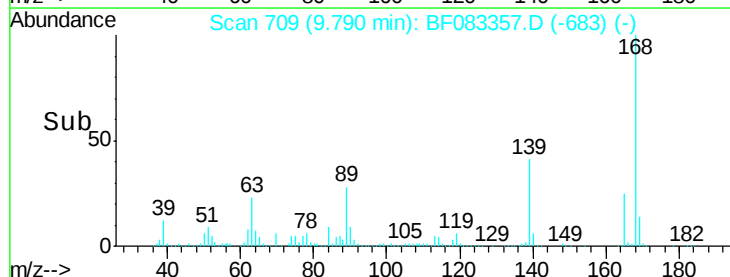
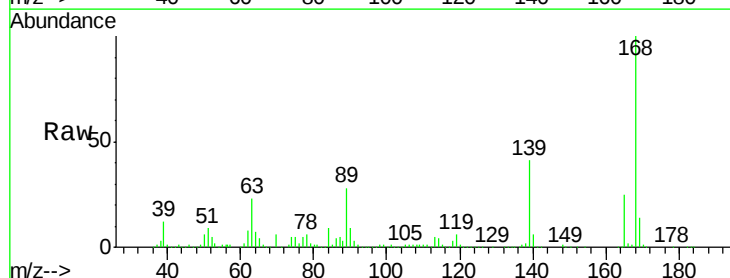
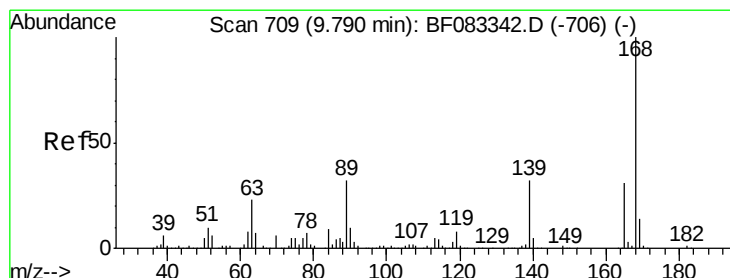
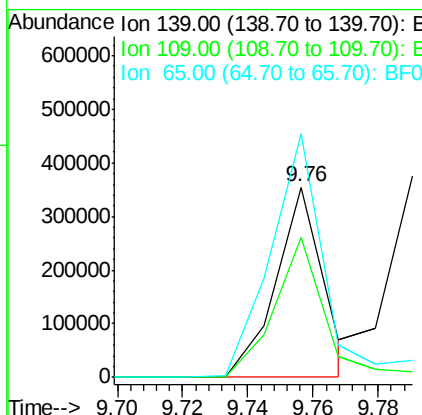
#55
4-Nitrophenol
Concen: 81.49 ng
RT: 9.76 min Scan# 706
Delta R.T. 0.01 min
Lab File: BF083357.D
Acq: 1 Dec 2015 2:43

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	73.6	57.4	97.4	
65	128.0	131.6	171.6	

Instrument :
BNA_F
ClientSampleId :
PB86889BSD

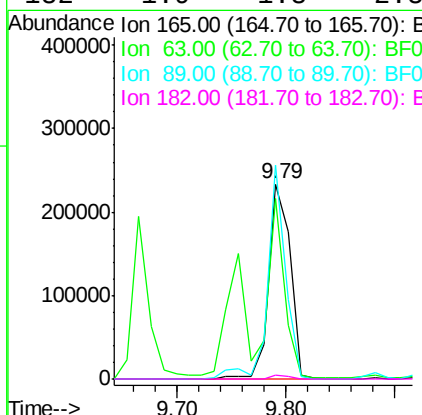
Manual Integrations
APPROVED

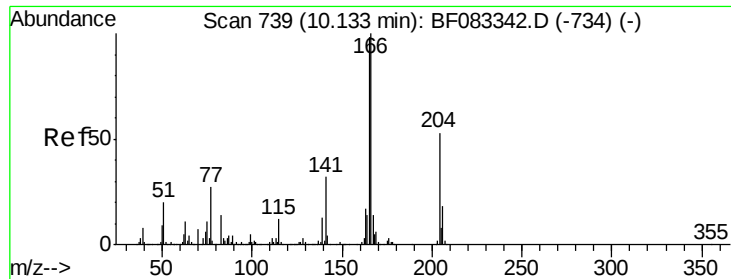
Mmdadoda
12/1/2015 6:35:06 PM



#56
2,4-Dinitrotoluene
Concen: 42.22 ng
RT: 9.79 min Scan# 709
Delta R.T. 0.00 min
Lab File: BF083357.D
Acq: 1 Dec 2015 2:43

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	92.7	65.4	98.0	
89	109.6	81.2	121.8	
182	1.9	1.8	2.8	





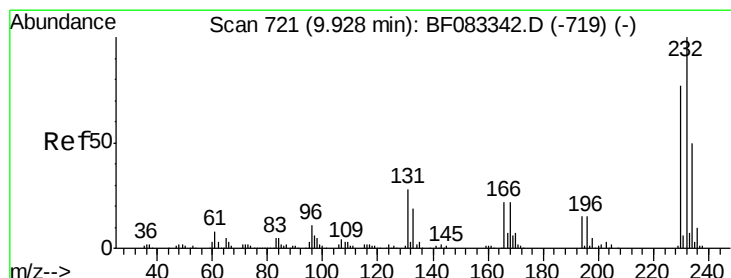
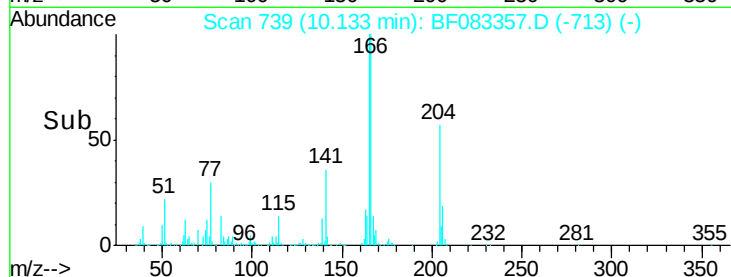
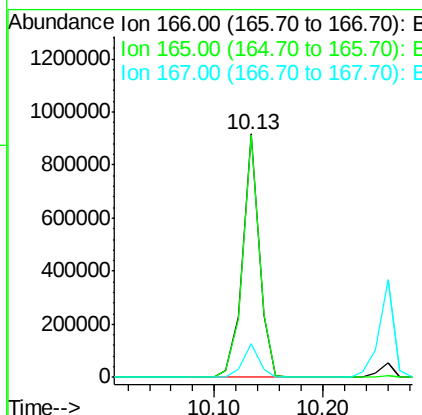
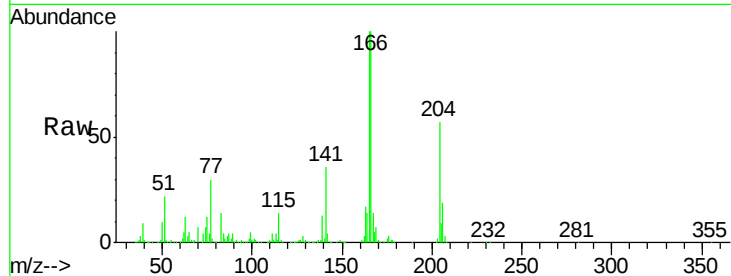
#57
Fluorene
 Concen: 38.92 ng
 RT: 10.13 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: BF083357.D
 Acq: 1 Dec 2015 2:43

Instrument :
 BNA_F
 ClientSampleId :
 PB86889BSD

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	971163		
165	99.7	78.3	117.5	
167	13.8	11.1	16.7	

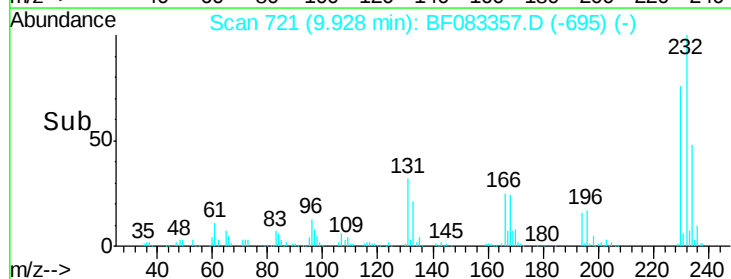
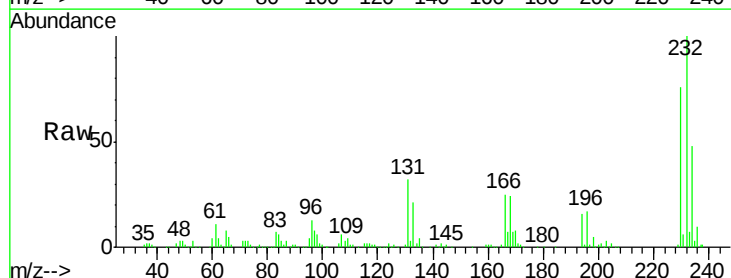
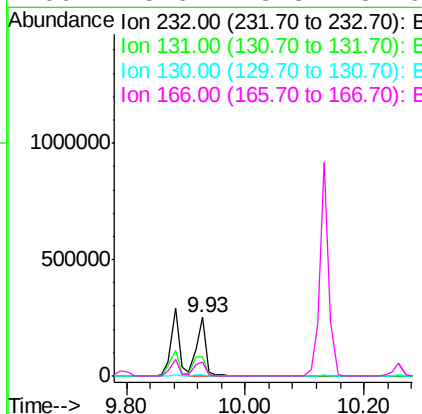
Manual Integrations
APPROVED

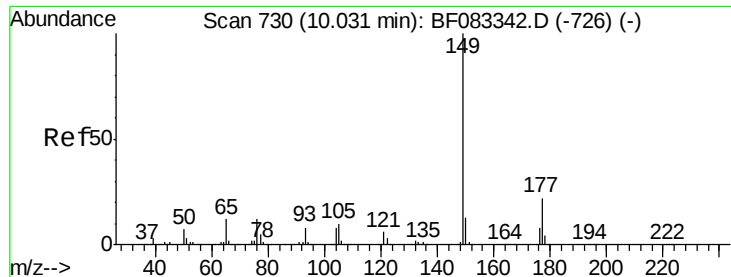
Mmdadoda
 12/1/2015 6:35:06 PM



#58
2,3,4,6-Tetrachlorophenol
 Concen: 43.88 ng
 RT: 9.93 min Scan# 721
 Delta R.T. 0.00 min
 Lab File: BF083357.D
 Acq: 1 Dec 2015 2:43

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	280482		
131	43.1	35.4	53.2	
130	1.9	1.7	2.5	
166	28.6	23.3	34.9	





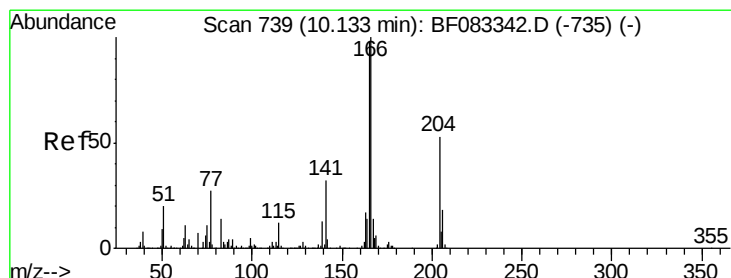
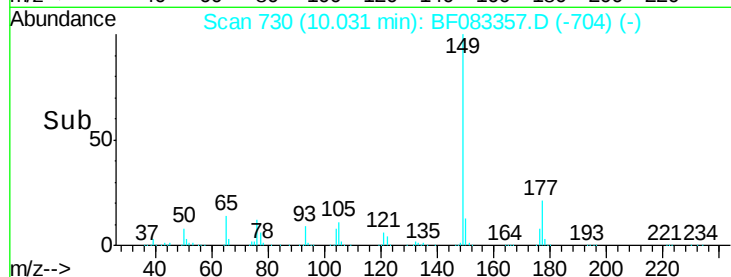
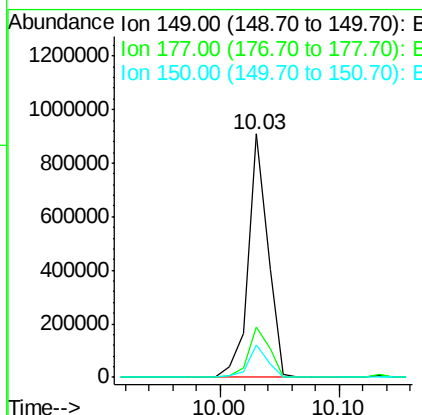
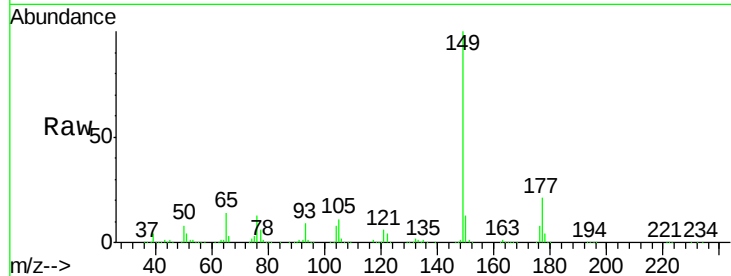
#59
Diethylphthalate
Concen: 39.50 ng
RT: 10.03 min Scan# 730
Delta R.T. 0.00 min
Lab File: BF083357.D
Acq: 1 Dec 2015 2:43

Instrument :
BNA_F
ClientSampleId :
PB86889BSD

Manual Integrations
APPROVED

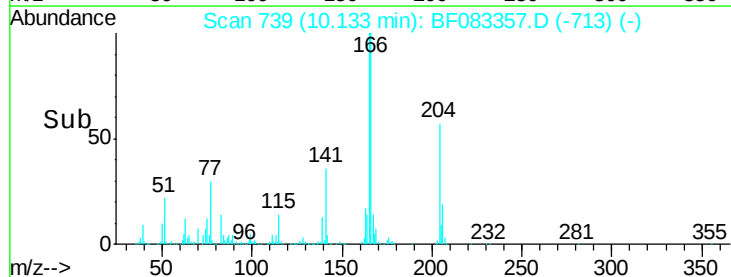
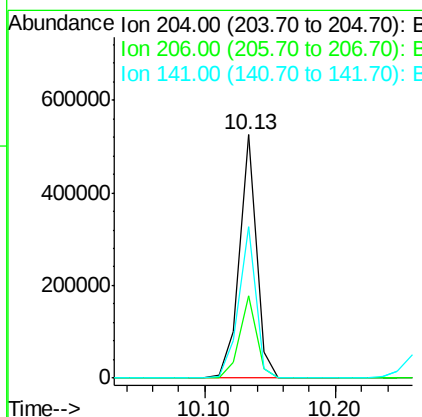
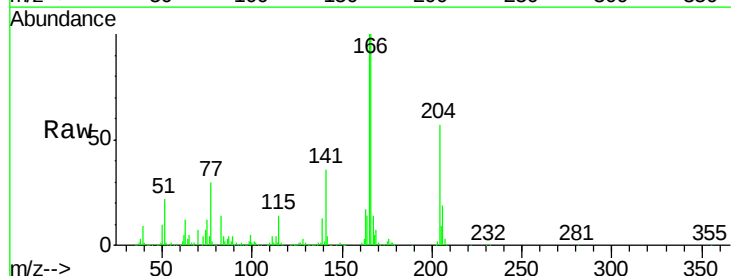
Mmdadoda
12/1/2015 6:35:06 PM

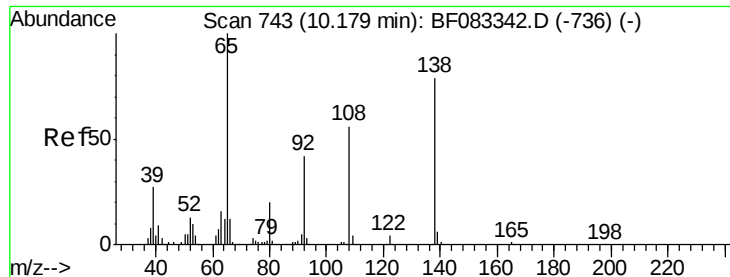
Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.9	17.4	26.2
150	13.5	10.4	15.6



#60
4-Chlorophenyl-phenylether
Concen: 41.34 ng
RT: 10.13 min Scan# 739
Delta R.T. 0.00 min
Lab File: BF083357.D
Acq: 1 Dec 2015 2:43

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.8	27.5	41.3
141	62.3	48.1	72.1





#61

4-Nitroaniline

Concen: 36.35 ng

RT: 10.18 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF083357.D

Acq: 1 Dec 2015 2:43

Instrument :

BNA_F

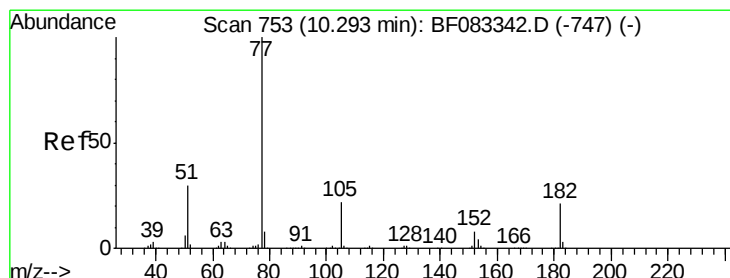
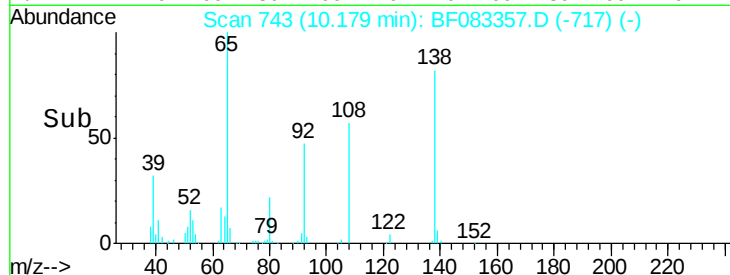
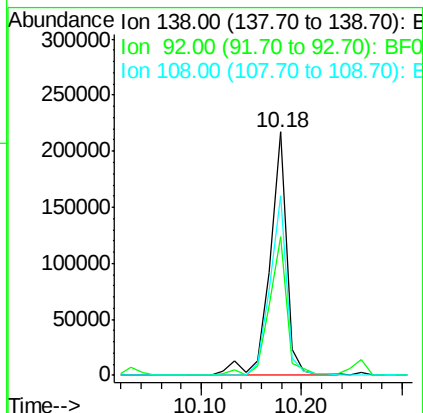
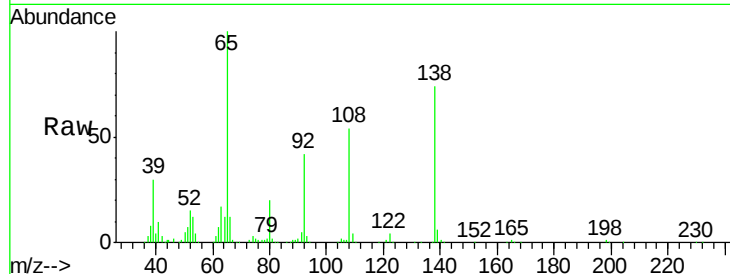
ClientSampleId :

PB86889BSD

Manual Integrations
APPROVED

Mmdadoda
12/1/2015 6:35:06 PM

Tgt Ion	Ratio	Lower	Upper
138	100		
92	57.0	33.6	73.6
108	73.5	51.0	91.0



#62

Azobenzene

Concen: 43.38 ng

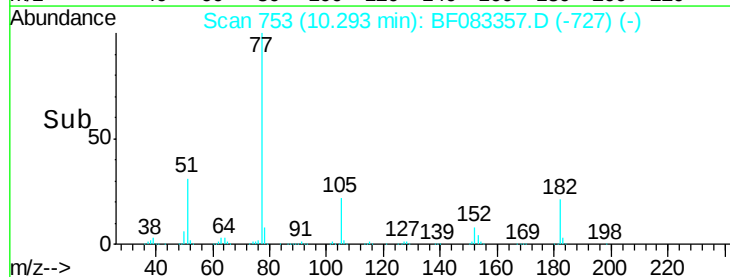
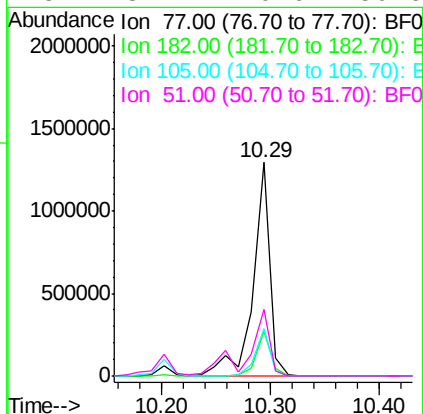
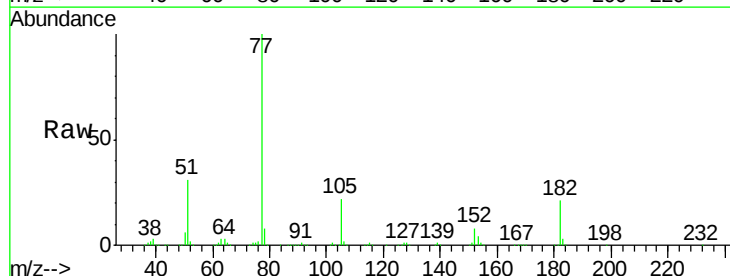
RT: 10.29 min Scan# 753

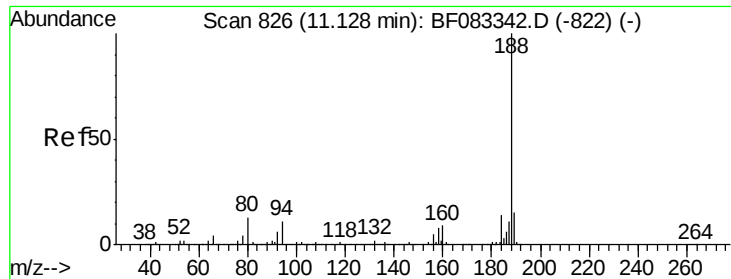
Delta R.T. 0.00 min

Lab File: BF083357.D

Acq: 1 Dec 2015 2:43

Tgt Ion	Ratio	Lower	Upper
77	100		
182	20.9	0.8	40.8
105	22.1	2.3	42.3
51	31.1	10.6	50.6





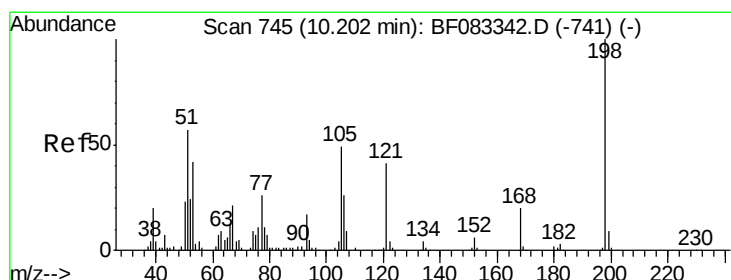
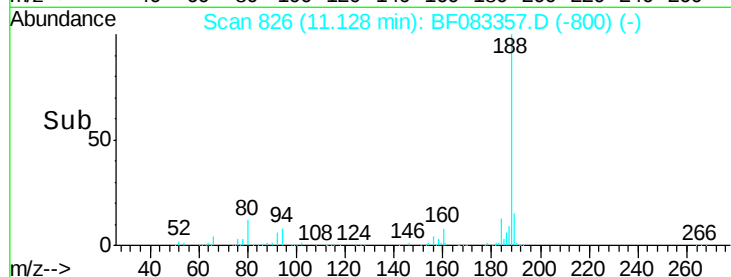
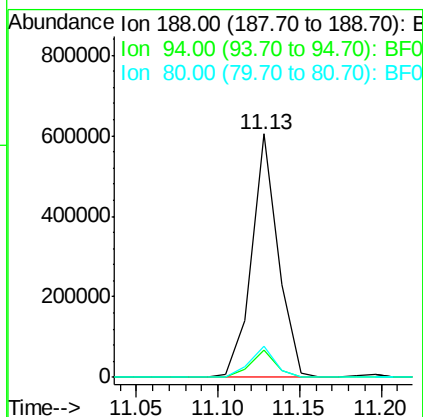
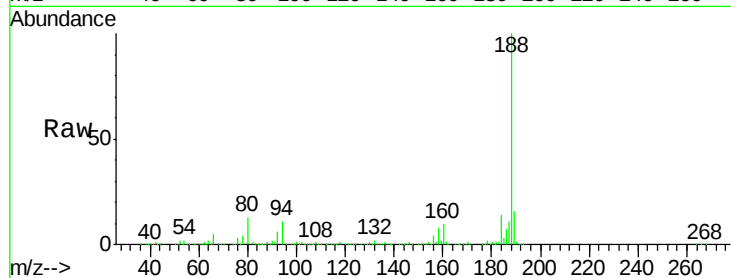
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF083357.D
Acq: 1 Dec 2015 2:43

Instrument :
BNA_F
ClientSampleId :
PB86889BSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.2	8.7	13.1
80	12.9	10.3	15.5

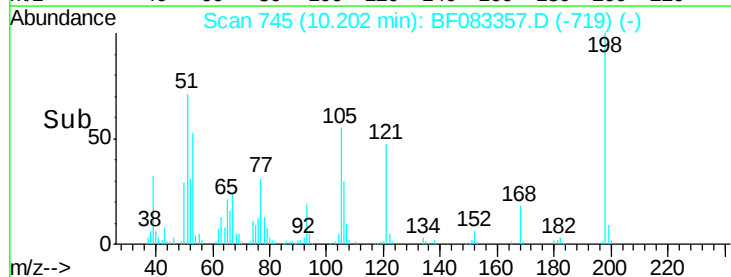
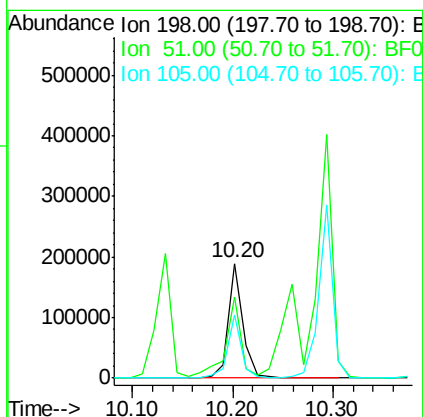
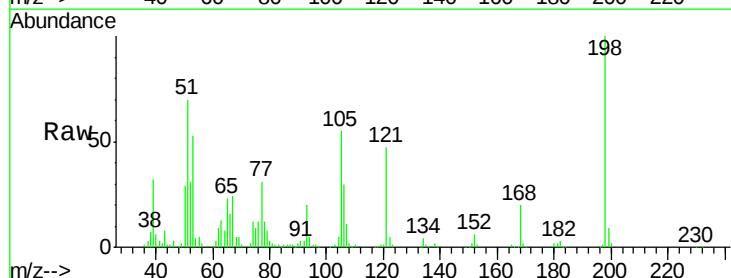
Manual Integrations
APPROVED

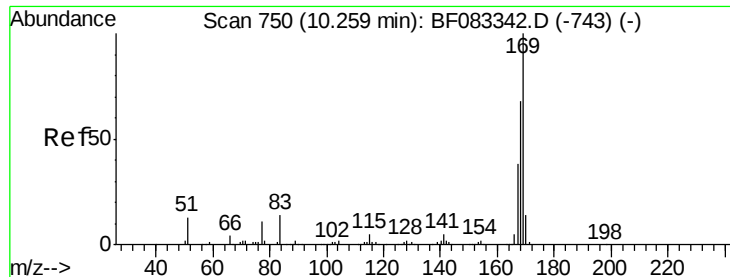
Mmdadoda
12/1/2015 6:35:06 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 41.81 ng
RT: 10.20 min Scan# 745
Delta R.T. 0.00 min
Lab File: BF083357.D
Acq: 1 Dec 2015 2:43

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	70.3	38.3	78.3
105	55.2	29.2	69.2





#65

n-Nitrosodiphenylamine

Concen: 39.46 ng

RT: 10.26 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF083357.D

Acq: 1 Dec 2015 2:43

Instrument :

BNA_F

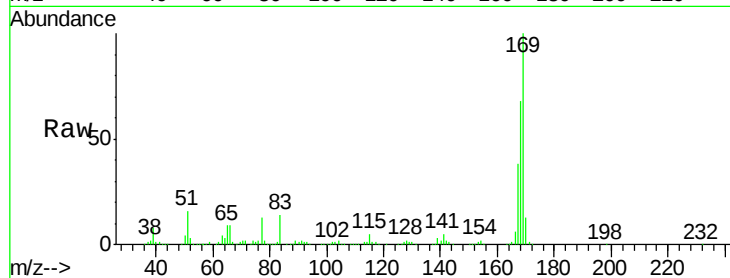
ClientSampleId :

PB86889BSD

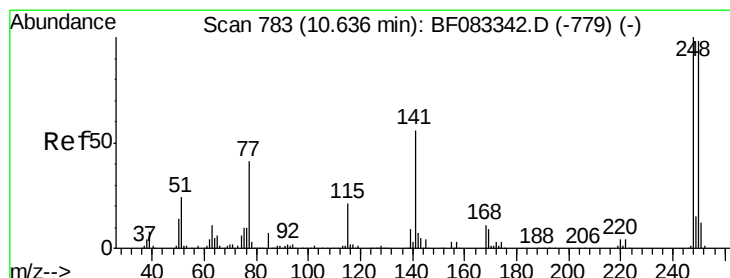
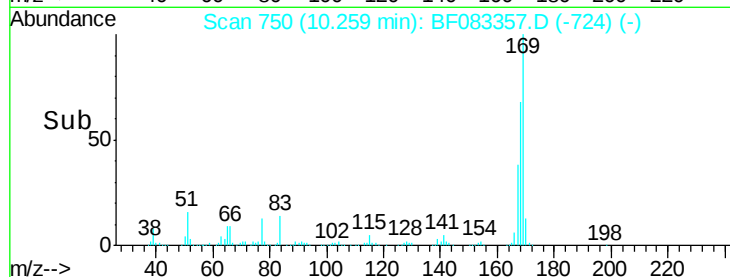
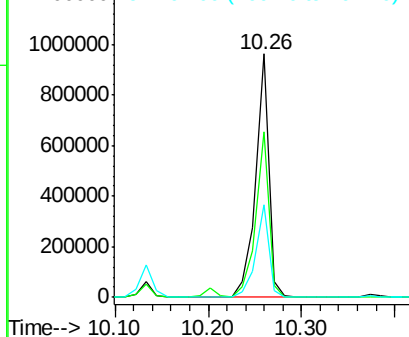
Manual Integrations
APPROVED

Mmdadoda
12/1/2015 6:35:06 PM

Tgt Ion:	169	Resp:	946700
Ion Ratio	Lower	Upper	
169	100		
168	67.9	54.8	82.2
167	38.1	30.2	45.2



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



#66

4-Bromophenyl-phenylether

Concen: 41.62 ng

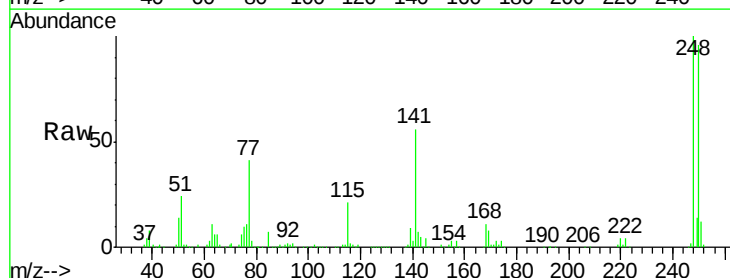
RT: 10.64 min Scan# 783

Delta R.T. 0.00 min

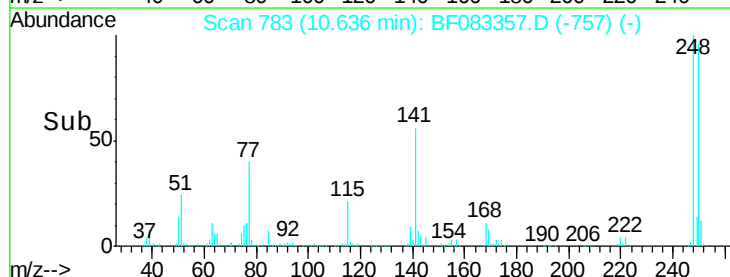
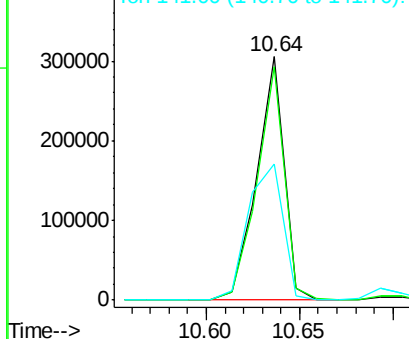
Lab File: BF083357.D

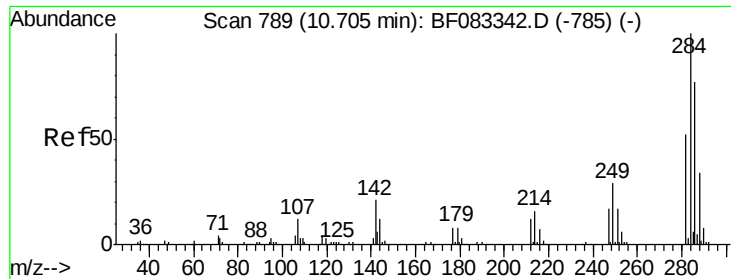
Acq: 1 Dec 2015 2:43

Tgt Ion:	248	Resp:	310792
Ion Ratio	Lower	Upper	
248	100		
250	96.0	78.6	118.0
141	56.0	44.4	66.6



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





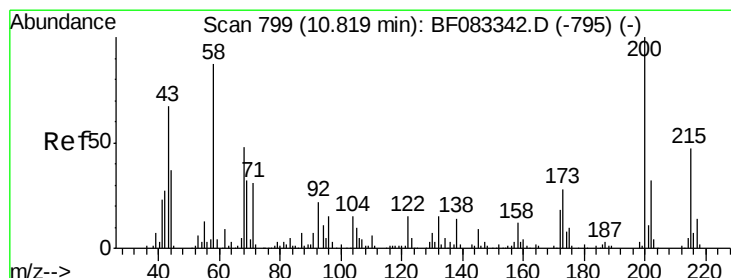
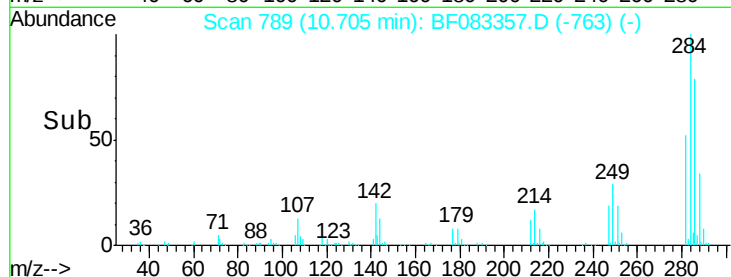
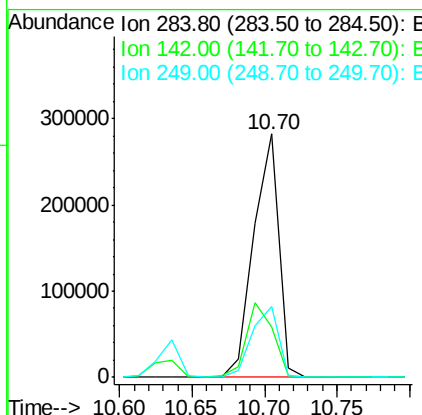
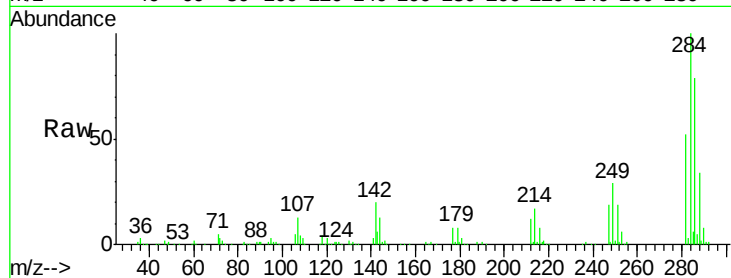
#67
Hexachlorobenzene
Concen: 41.22 ng
RT: 10.70 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF083357.D
Acq: 1 Dec 2015 2:43

Instrument :
BNA_F
ClientSampleId :
PB86889BSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	20.4	16.6	24.8
249	29.3	23.0	34.4

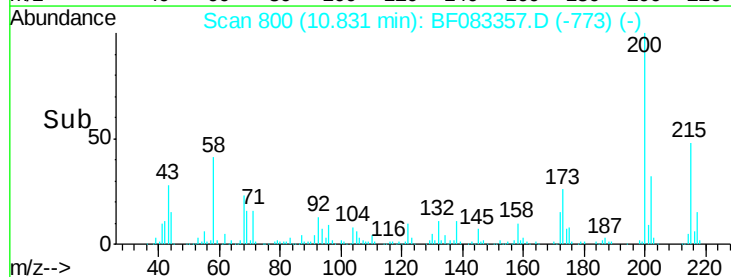
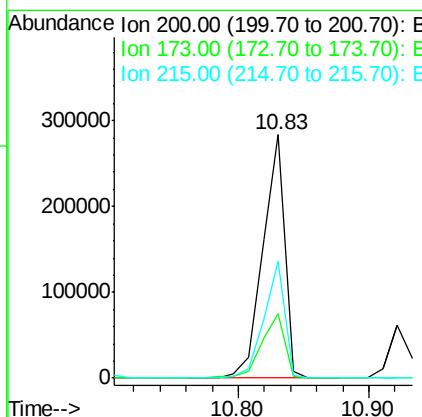
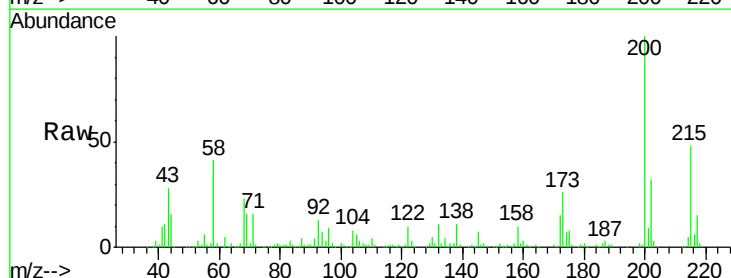
Manual Integrations
APPROVED

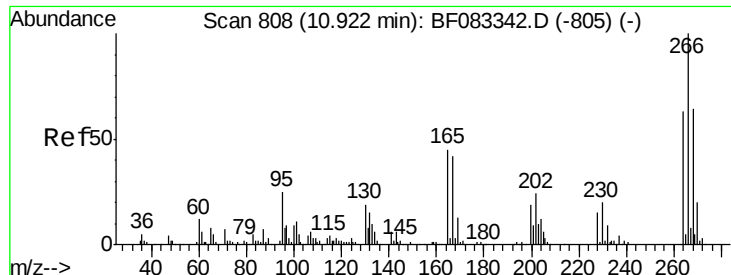
Mmdadoda
12/1/2015 6:35:06 PM



#68
Atrazine
Concen: 50.09 ng
RT: 10.83 min Scan# 800
Delta R.T. 0.01 min
Lab File: BF083357.D
Acq: 1 Dec 2015 2:43

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	26.3	8.3	48.3
215	48.3	26.7	66.7





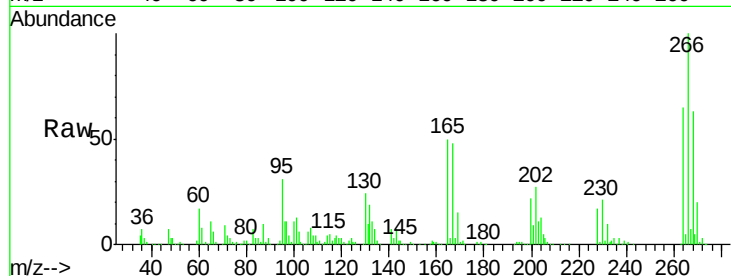
#69
 Pentachlorophenol
 Concen: 84.55 ng
 RT: 10.92 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF083357.D
 Acq: 1 Dec 2015 2:43

Instrument :
 BNA_F
 ClientSampleId :
 PB86889BSD

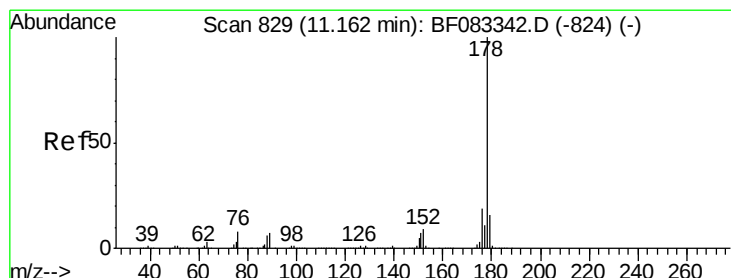
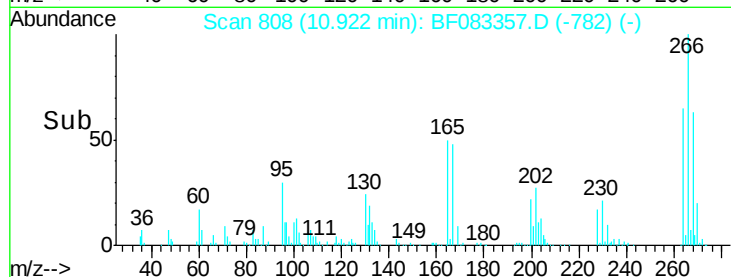
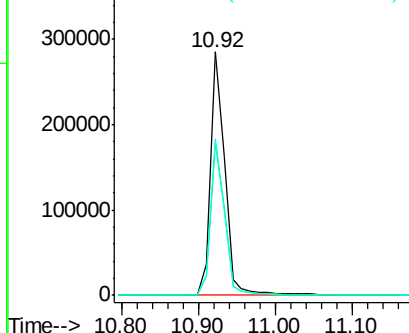
Tgt Ion	Ratio	Resp	Lower	Upper
266	100	365712		
268	62.9	51.5	77.3	
264	64.6	50.4	75.6	

Manual Integrations
 APPROVED

Mmdadoda
 12/1/2015 6:35:06 PM

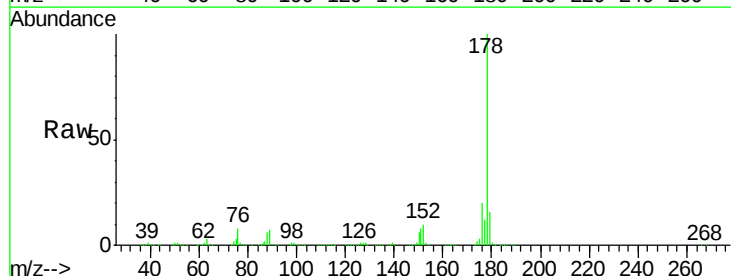


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

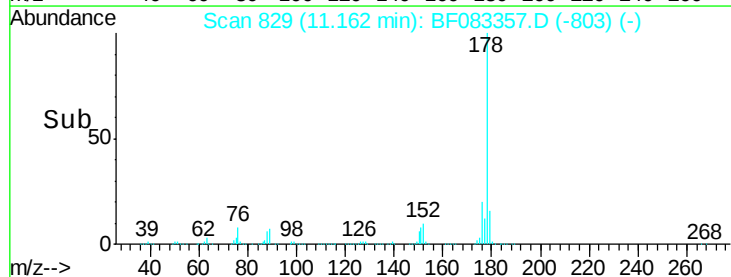
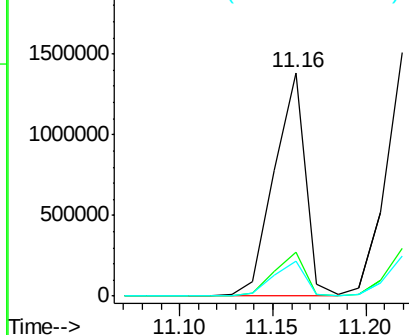


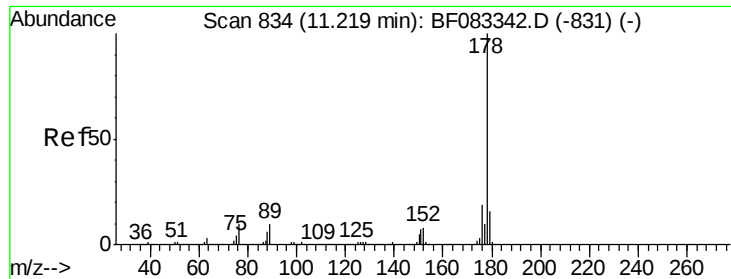
#70
 Phenanthrene
 Concen: 39.95 ng
 RT: 11.16 min Scan# 829
 Delta R.T. 0.00 min
 Lab File: BF083357.D
 Acq: 1 Dec 2015 2:43

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1614182		
176	19.6	15.3	22.9	
179	15.6	12.4	18.6	



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





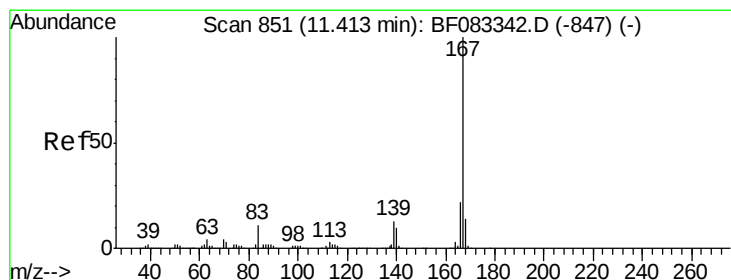
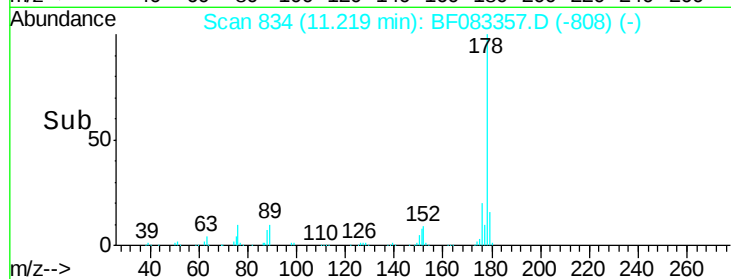
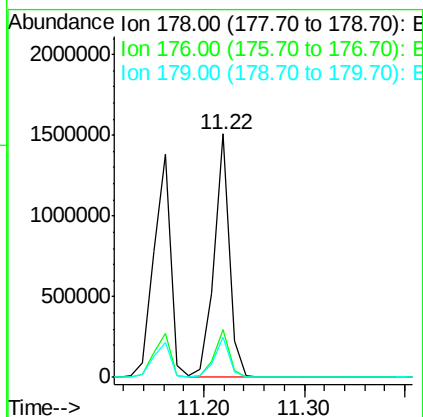
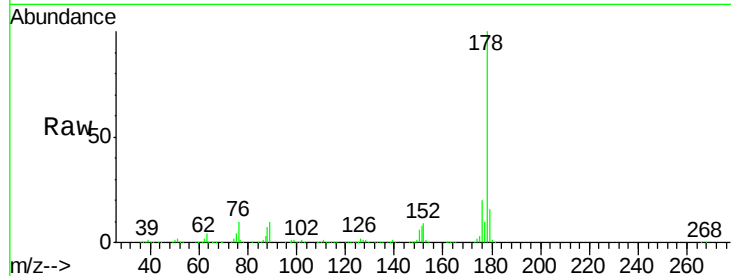
#71
 Anthracene
 Concen: 39.22 ng
 RT: 11.22 min Scan# 834
 Delta R.T. 0.00 min
 Lab File: BF083357.D
 Acq: 1 Dec 2015 2:43

Instrument :
 BNA_F
 ClientSampleId :
 PB86889BSD

Tgt Ion:178 Resp: 1595114
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.6 23.4
 179 16.3 12.8 19.2

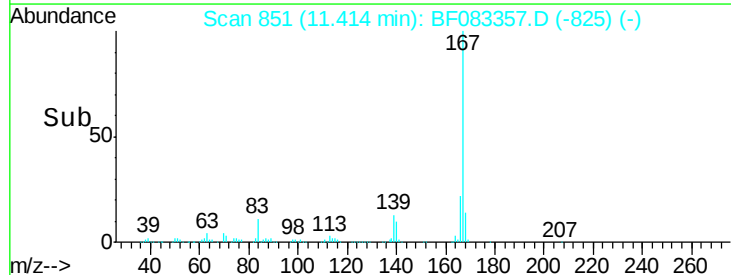
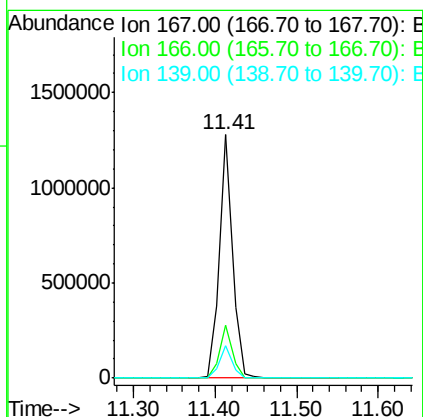
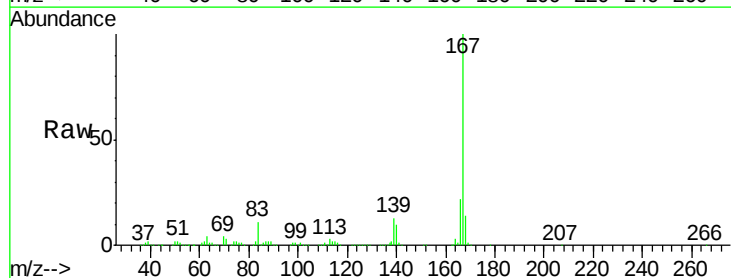
Manual Integrations
 APPROVED

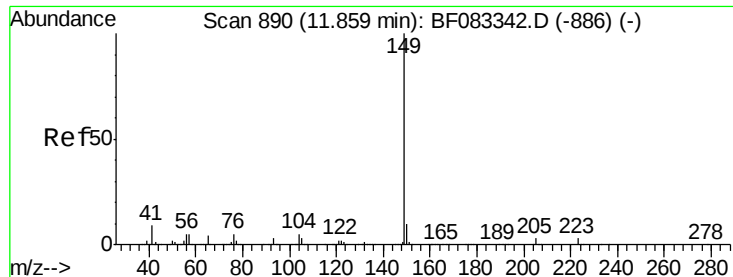
Mmdadoda
 12/1/2015 6:35:06 PM



#72
 Carbazole
 Concen: 39.13 ng
 RT: 11.41 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: BF083357.D
 Acq: 1 Dec 2015 2:43

Tgt Ion:167 Resp: 1430043
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.4 26.0
 139 13.4 10.5 15.7





#73

Di-n-butylphthalate

Concen: 41.24 ng

RT: 11.86 min Scan# 890

Delta R.T. 0.00 min

Lab File: BF083357.D

Acq: 1 Dec 2015 2:43

Instrument :

BNA_F

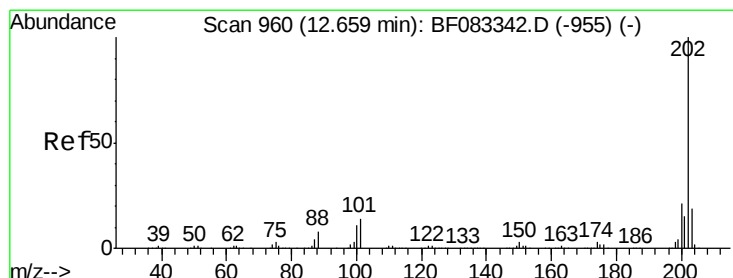
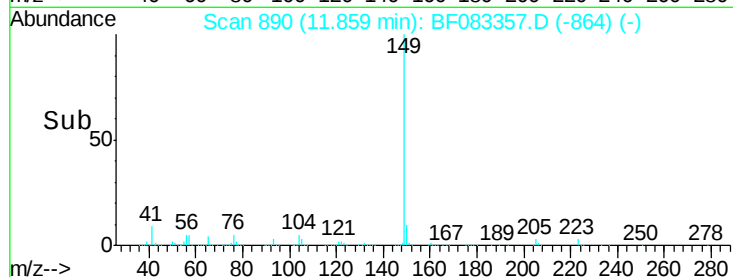
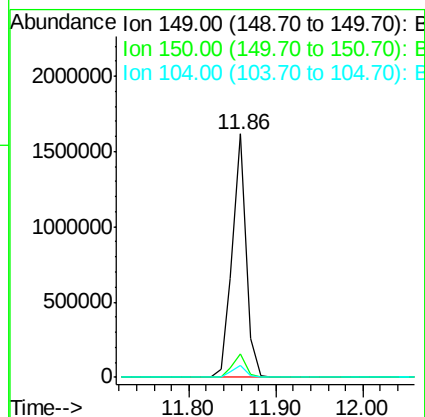
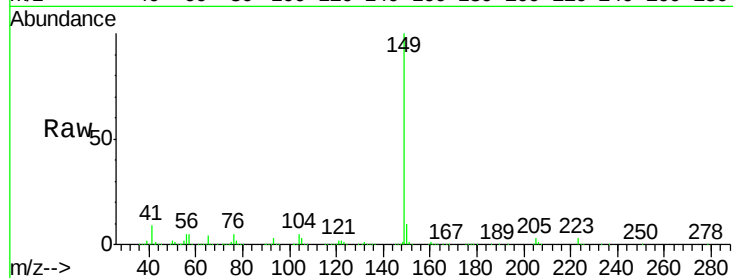
ClientSampleId :

PB86889BSD

Manual Integrations
APPROVED

Mmdadoda
12/1/2015 6:35:06 PM

Tgt Ion:	149	Resp:	1786002
Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.7	11.5
104	5.1	4.0	6.0



#74

Fluoranthene

Concen: 40.37 ng

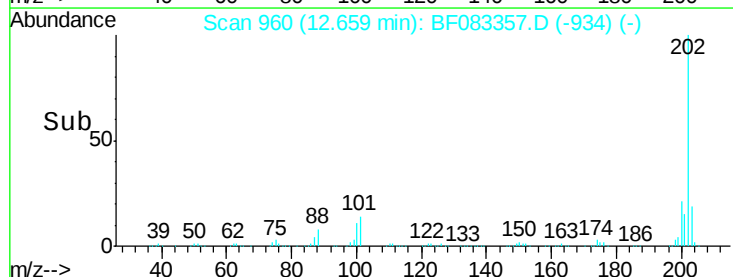
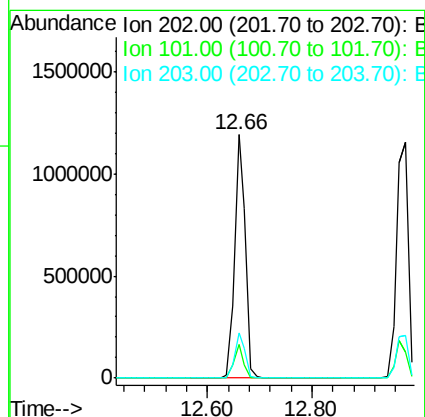
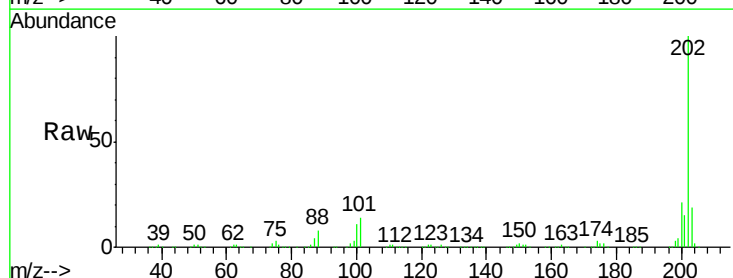
RT: 12.66 min Scan# 960

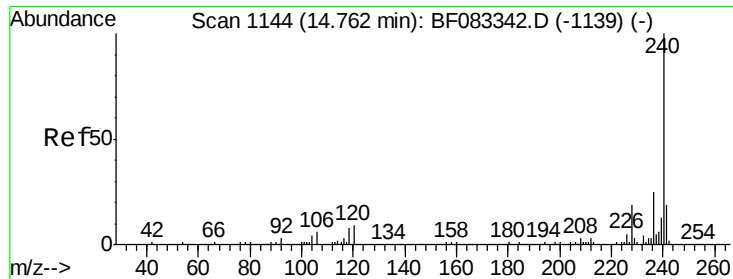
Delta R.T. 0.00 min

Lab File: BF083357.D

Acq: 1 Dec 2015 2:43

Tgt Ion:	202	Resp:	1690738
Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	34.5
203	18.5	0.0	38.7





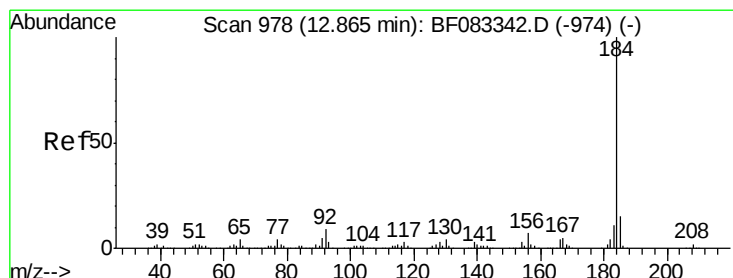
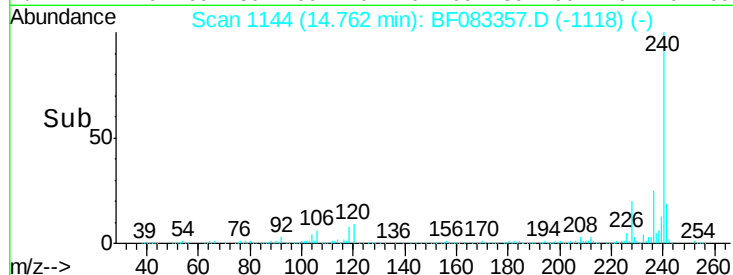
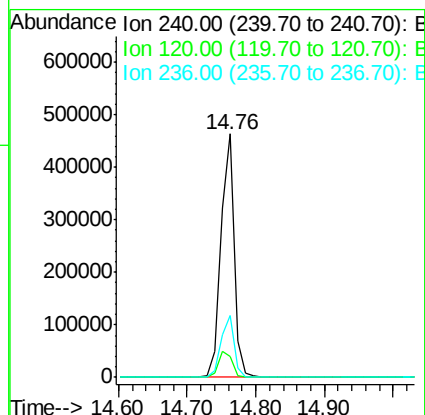
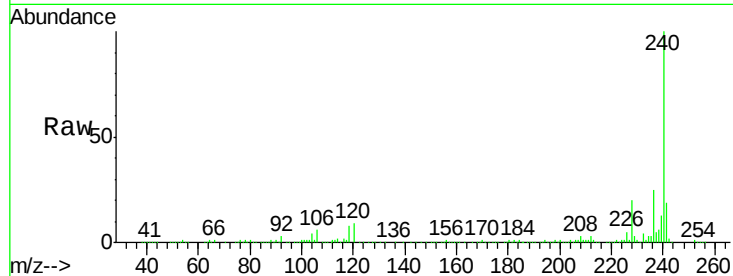
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.76 min Scan# 1144
Delta R.T. 0.00 min
Lab File: BF083357.D
Acq: 1 Dec 2015 2:43

Instrument :
BNA_F
ClientSampleId :
PB86889BSD

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	633293		
120	8.7	6.9	10.3	
236	25.2	19.8	29.6	

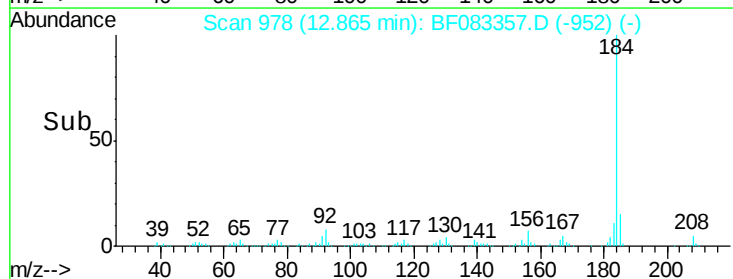
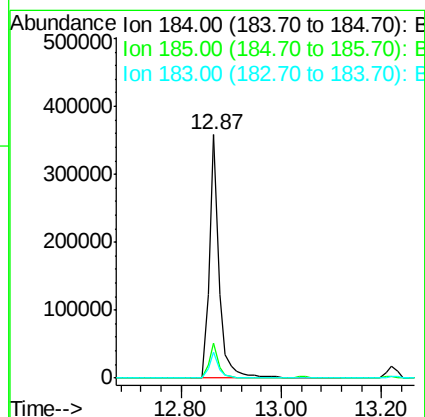
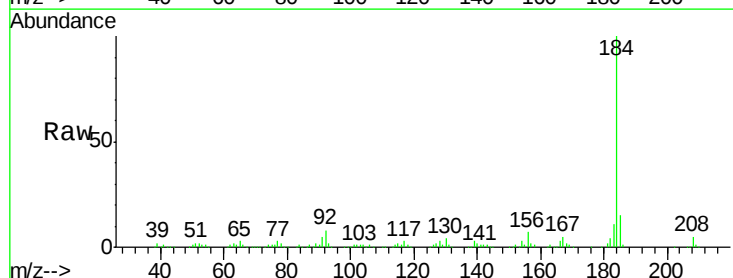
Manual Integrations
APPROVED

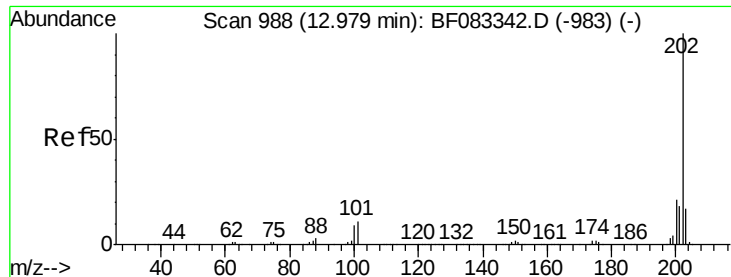
Mmdadoda
12/1/2015 6:35:06 PM



#76
Benzidine
Concen: 25.69 ng
RT: 12.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: BF083357.D
Acq: 1 Dec 2015 2:43

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	484490		
185	14.6	12.4	18.6	
183	10.7	9.0	13.4	





#77

Pyrene

Concen: 39.94 ng

RT: 12.98 min Scan# 988

Delta R.T. 0.00 min

Lab File: BF083357.D

Acq: 1 Dec 2015 2:43

Instrument :

BNA_F

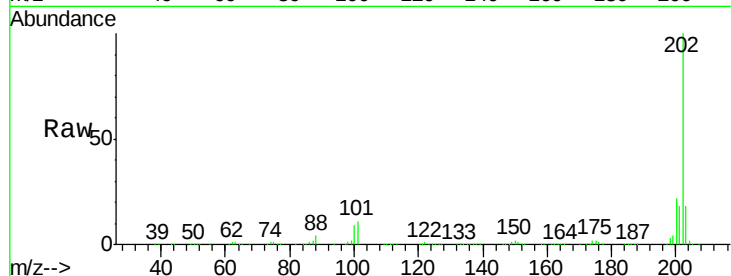
ClientSampleId :

PB86889BSD

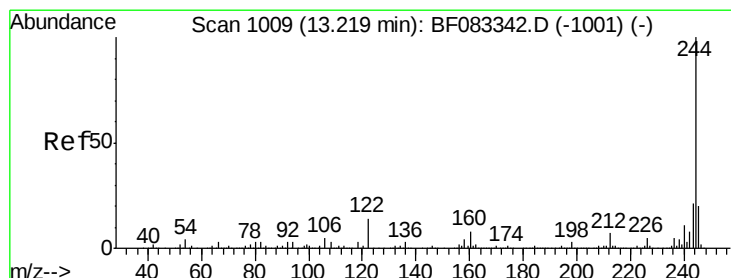
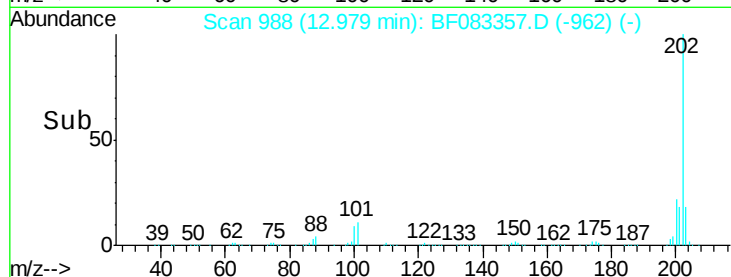
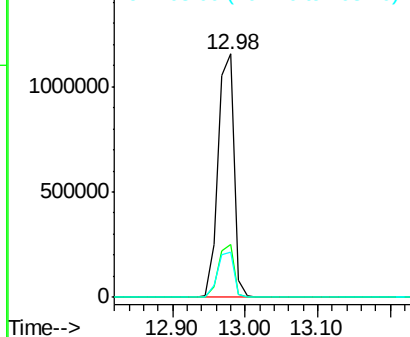
Manual Integrations
APPROVED

Mmdadoda
12/1/2015 6:35:06 PM

Tgt Ion:	202	Resp:	1766386
Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.9	25.3
203	18.3	13.9	20.9



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 71.56 ng

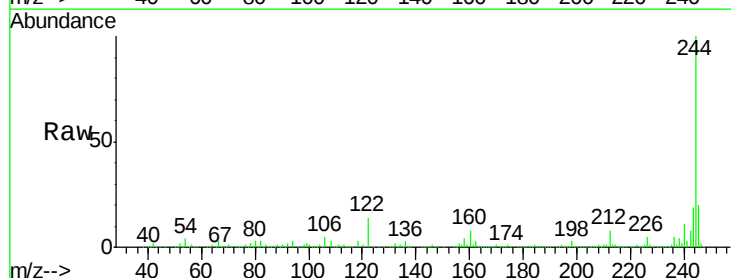
RT: 13.22 min Scan# 1009

Delta R.T. 0.00 min

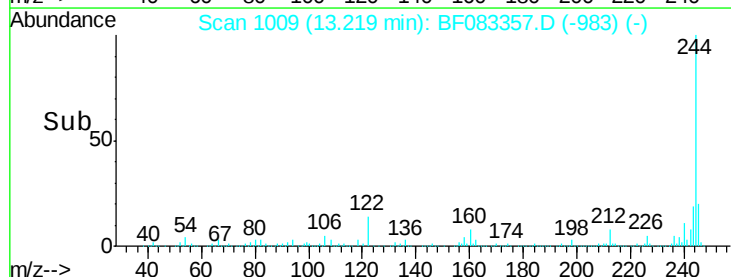
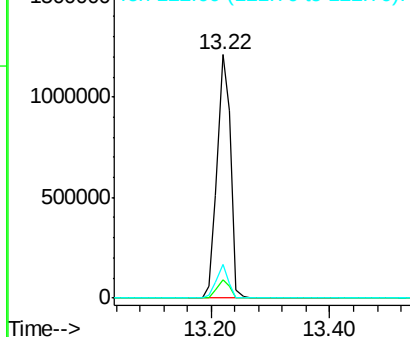
Lab File: BF083357.D

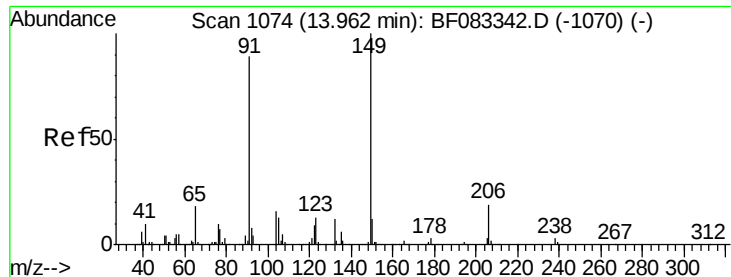
Acq: 1 Dec 2015 2:43

Tgt Ion:	244	Resp:	1900315
Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.8
122	13.7	11.0	16.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 41.95 ng

RT: 13.96 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BF083357.D

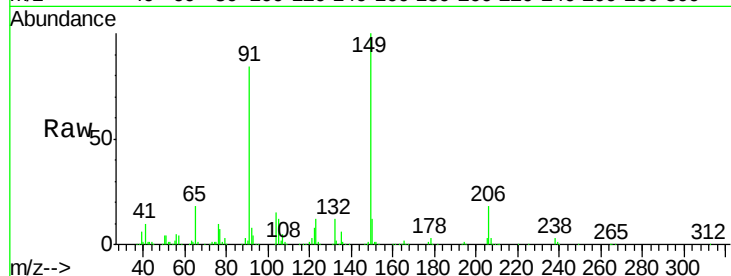
Acq: 1 Dec 2015 2:43

Instrument :

BNA_F

ClientSampleId :

PB86889BSD



Tgt Ion:149 Resp: 787102

Ion Ratio Lower Upper

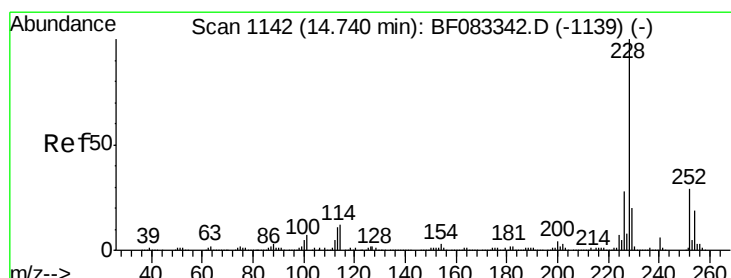
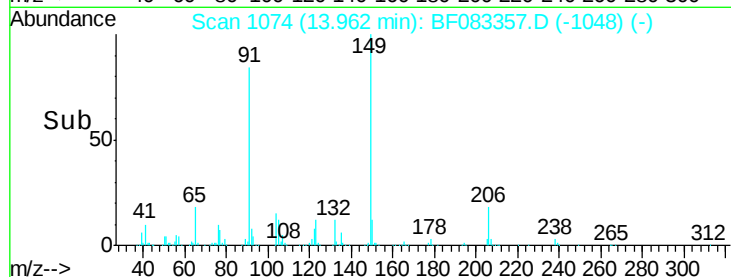
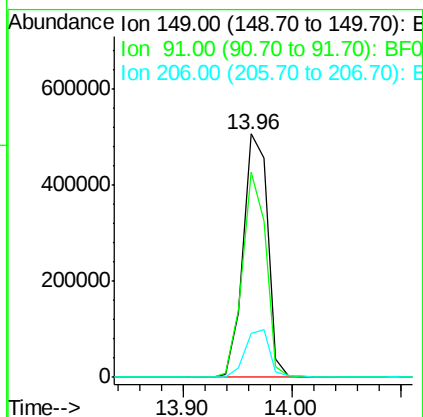
149 100

91 84.1 71.4 107.2

206 18.1 15.1 22.7

Manual Integrations
APPROVED

Mmdadoda
12/1/2015 6:35:06 PM



#80

Benzo(a)anthracene

Concen: 39.90 ng

RT: 14.74 min Scan# 1142

Delta R.T. 0.00 min

Lab File: BF083357.D

Acq: 1 Dec 2015 2:43

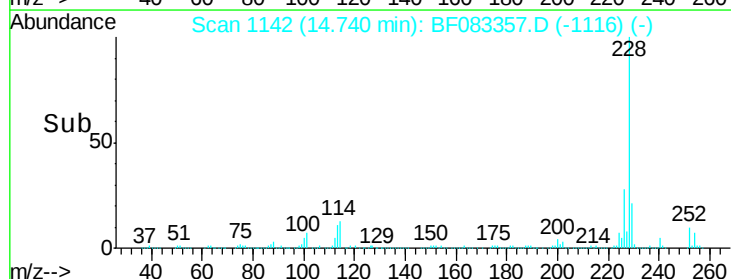
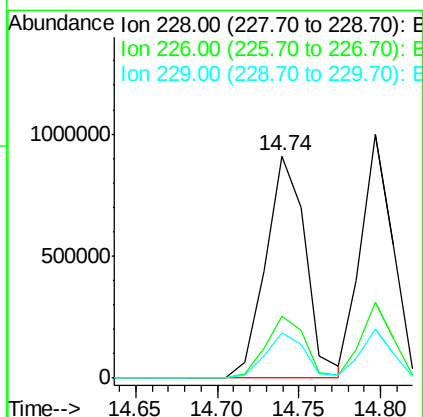
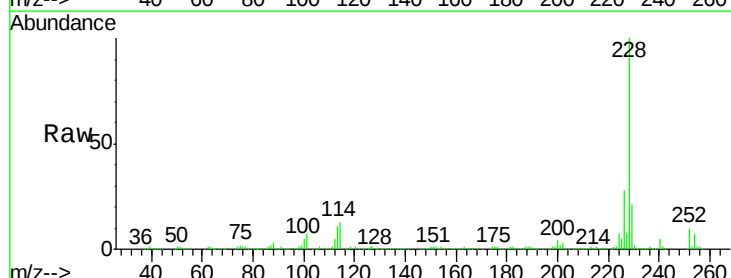
Tgt Ion:228 Resp: 1547889

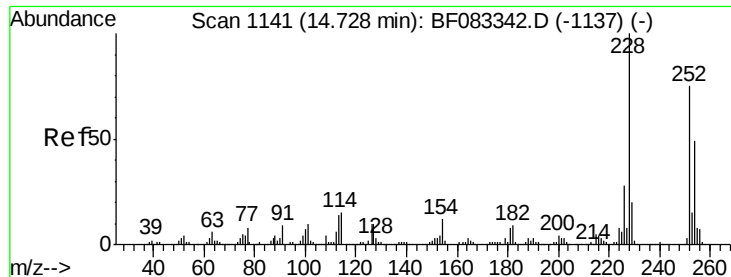
Ion Ratio Lower Upper

228 100

226 27.8 22.2 33.4

229 20.6 16.1 24.1





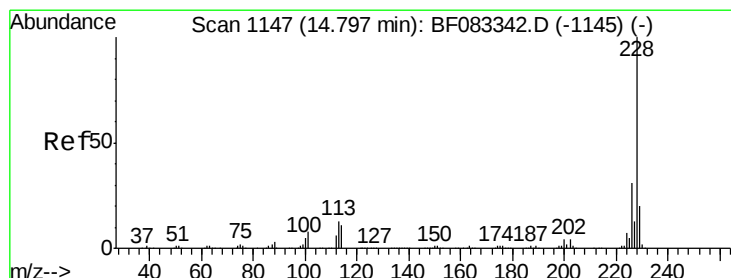
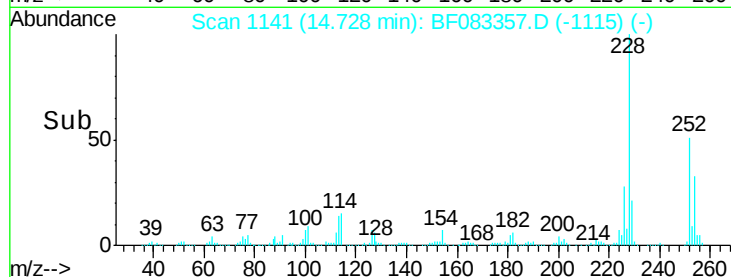
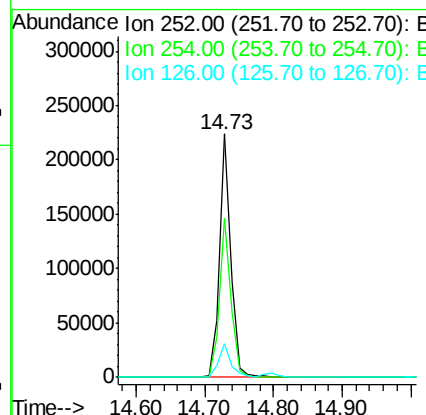
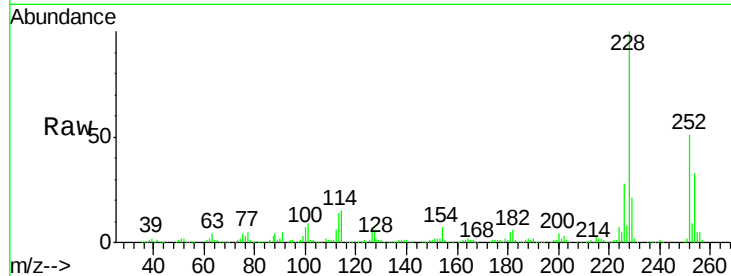
#81
 3,3'-Dichlorobenzidine
 Concen: 21.70 ng
 RT: 14.73 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: BF083357.D
 Acq: 1 Dec 2015 2:43

Instrument :
 BNA_F
 ClientSampleId :
 PB86889BSD

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	262970		
254	65.2	52.0	78.0	
126	13.8	10.7	16.1	

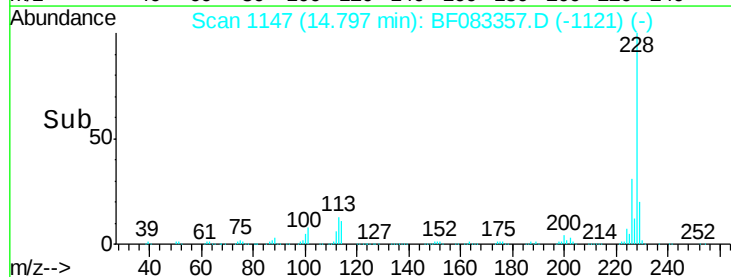
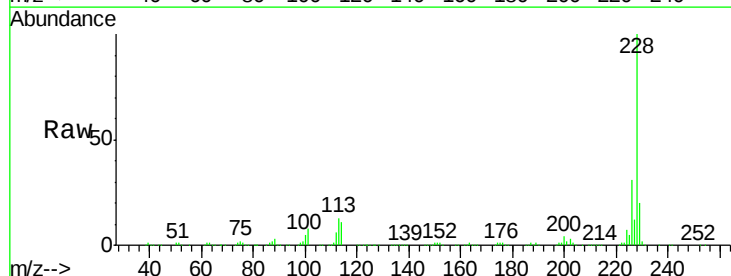
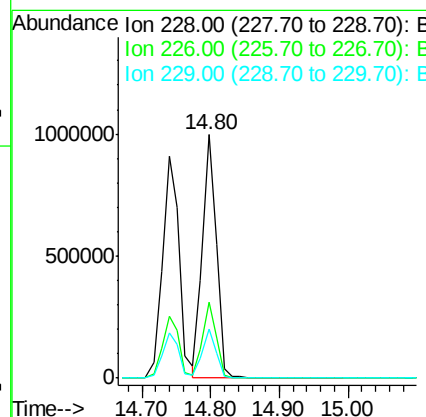
Manual Integrations
 APPROVED

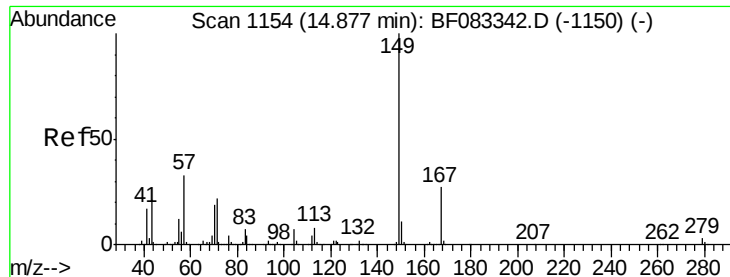
Mmdadoda
 12/1/2015 6:35:06 PM



#82
 Chrysene
 Concen: 36.81 ng
 RT: 14.80 min Scan# 1147
 Delta R.T. 0.00 min
 Lab File: BF083357.D
 Acq: 1 Dec 2015 2:43

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1379987		
226	31.0	24.6	37.0	
229	20.3	16.2	24.2	





#83

Bis(2-ethylhexyl)phthalate

Concen: 42.50 ng

RT: 14.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BF083357.D

Acq: 1 Dec 2015 2:43

Instrument :

BNA_F

ClientSampleId :

PB86889BSD

Tgt Ion:149 Resp: 1069627

Ion Ratio Lower Upper

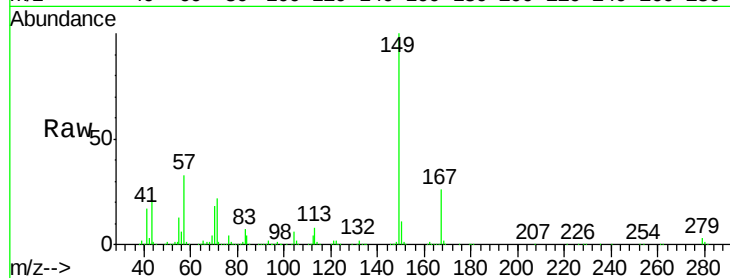
149 100

167 26.4 21.5 32.3

279 3.1 2.6 3.8

Manual Integrations
APPROVED

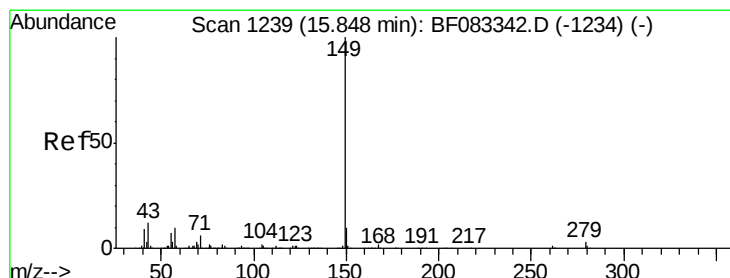
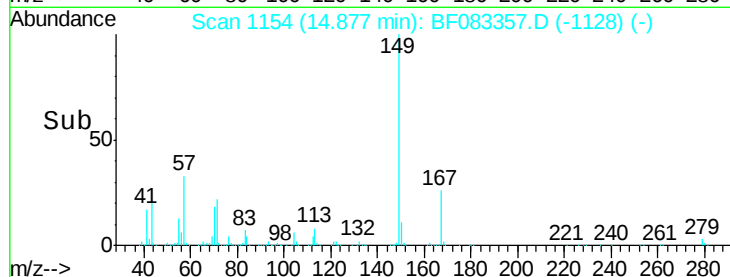
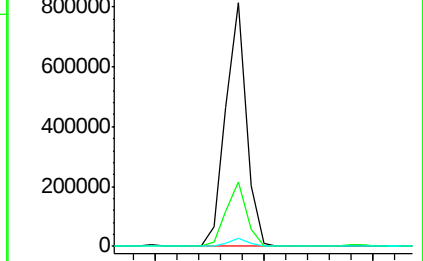
Mmdadoda
12/1/2015 6:35:06 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 44.14 ng

RT: 15.85 min Scan# 1239

Delta R.T. 0.00 min

Lab File: BF083357.D

Acq: 1 Dec 2015 2:43

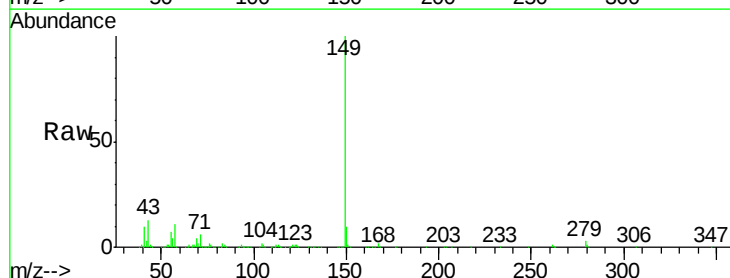
Tgt Ion:149 Resp: 1654140

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

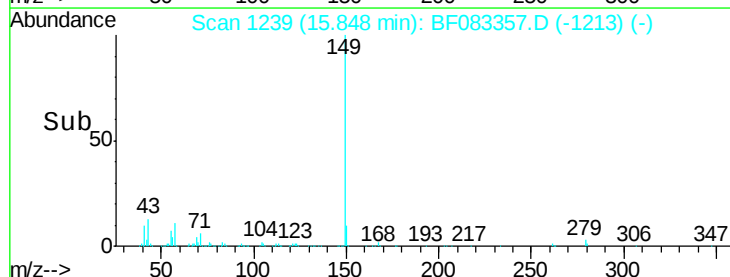
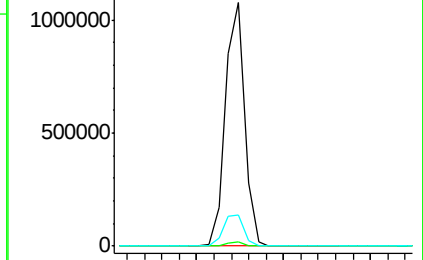
43 13.8 11.0 16.6

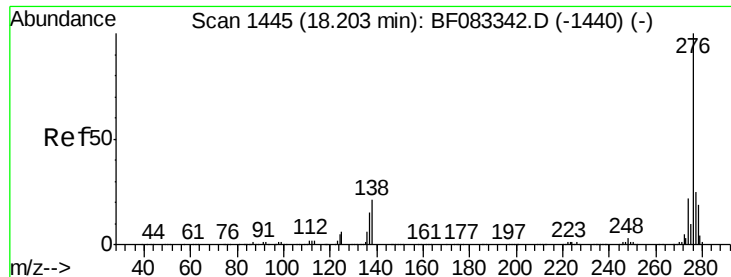


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0





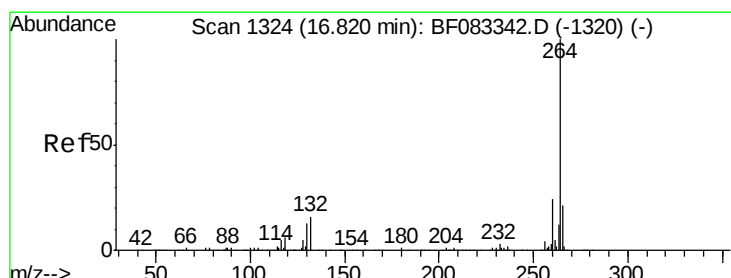
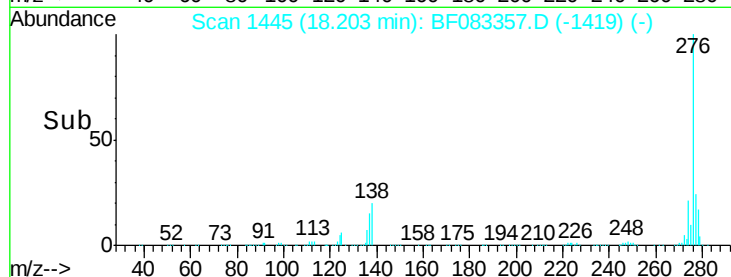
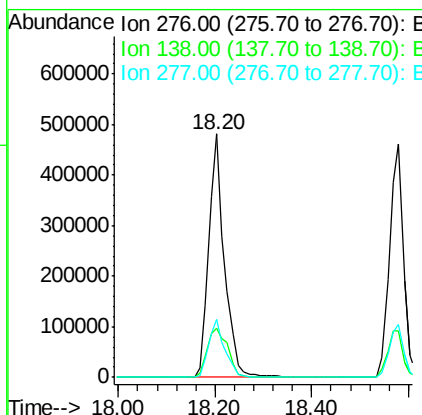
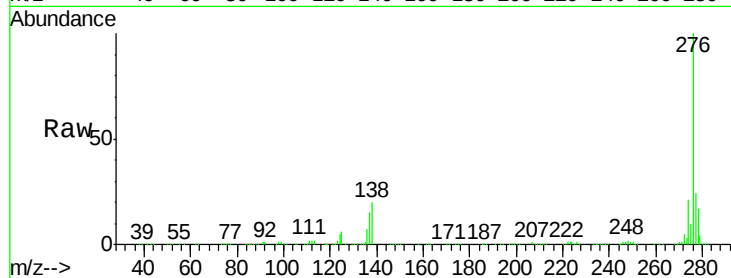
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 40.26 ng
 RT: 18.20 min Scan# 1445
 Delta R.T. 0.00 min
 Lab File: BF083357.D
 Acq: 1 Dec 2015 2:43

Instrument :
 BNA_F
 ClientSampleId :
 PB86889BSD

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.2	21.2	31.8
277	24.9	20.0	30.0

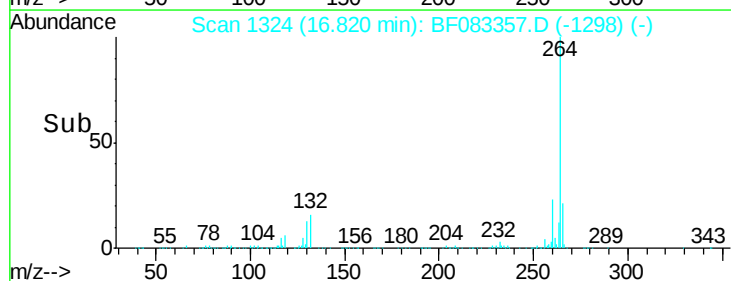
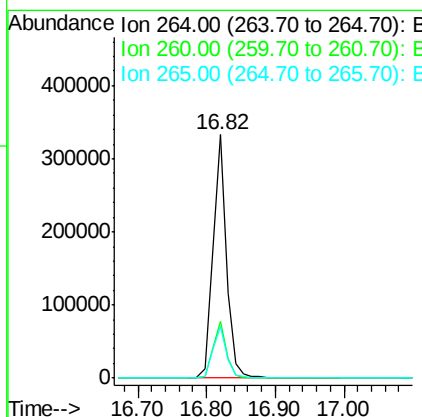
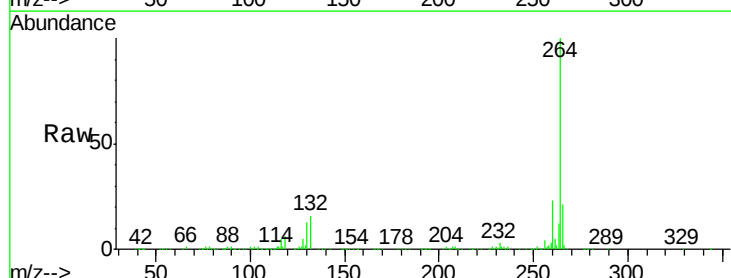
Manual Integrations
 APPROVED

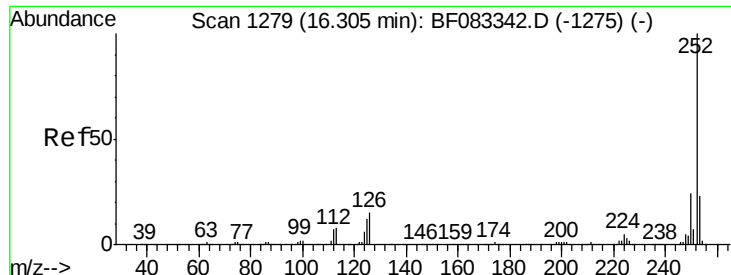
Mmdadoda
 12/1/2015 6:35:06 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.82 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: BF083357.D
 Acq: 1 Dec 2015 2:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.0	28.4
265	21.1	16.8	25.2





#87

Benzo(b)fluoranthene

Concen: 41.65 ng

RT: 16.31 min Scan# 1279

Delta R.T. 0.00 min

Lab File: BF083357.D

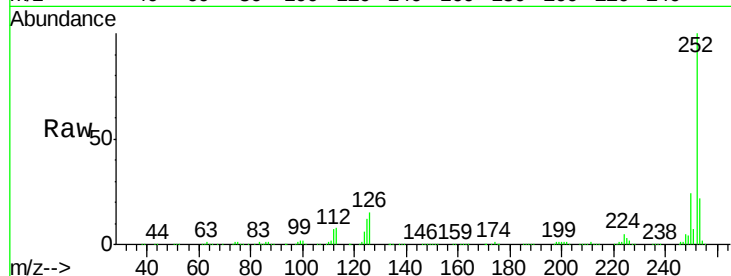
Acq: 1 Dec 2015 2:43

Instrument :

BNA_F

ClientSampleId :

PB86889BSD



Tgt Ion:252 Resp: 1229005

Ion Ratio Lower Upper

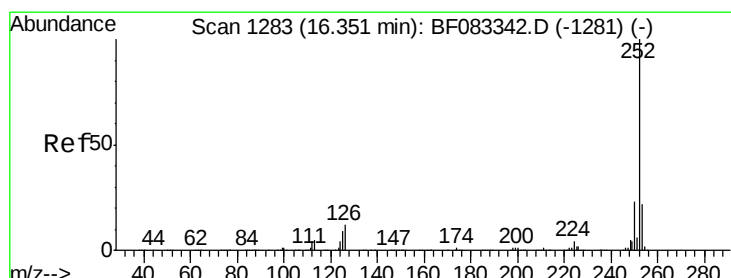
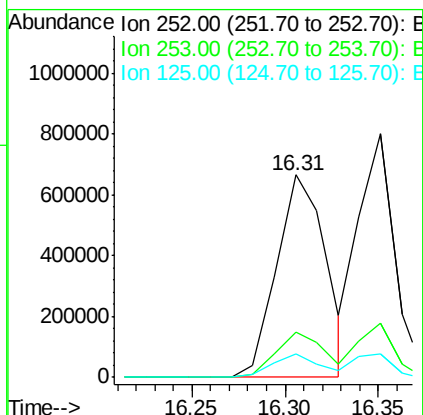
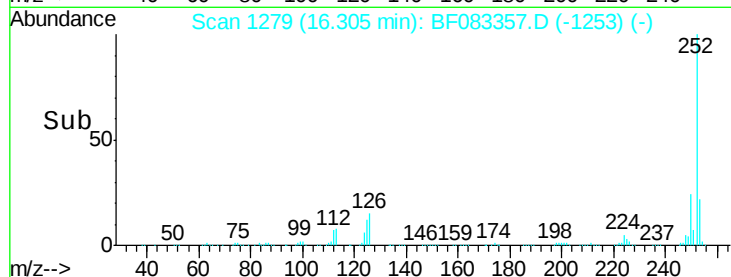
252 100

253 22.5 18.4 27.6

125 11.7 9.6 14.4

Manual Integrations
APPROVED

Mmdadoda
12/1/2015 6:35:06 PM



#88

Benzo(k)fluoranthene

Concen: 39.33 ng

RT: 16.35 min Scan# 1283

Delta R.T. 0.00 min

Lab File: BF083357.D

Acq: 1 Dec 2015 2:43

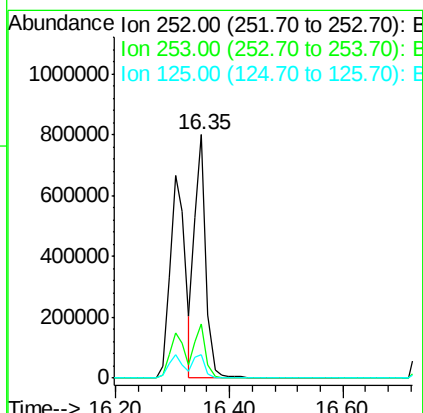
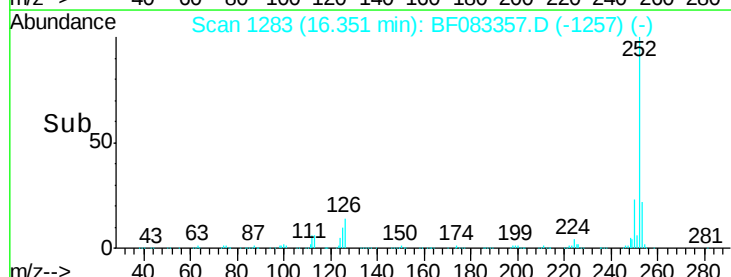
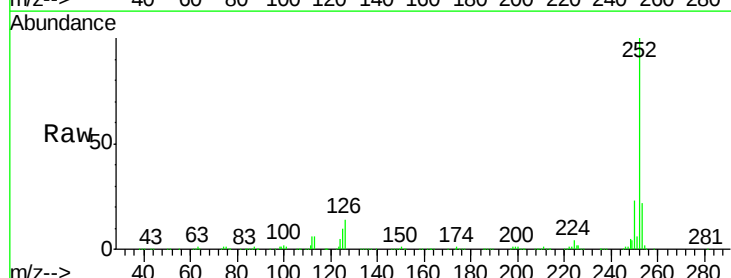
Tgt Ion:252 Resp: 1095765

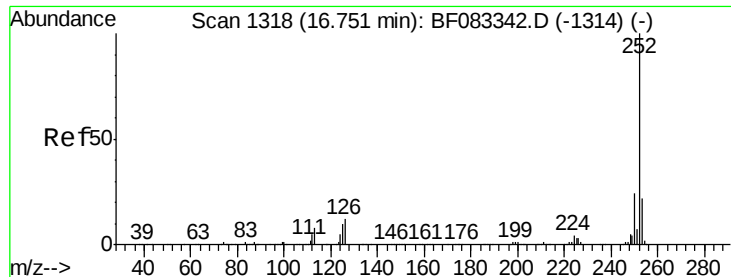
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 9.9 7.5 11.3





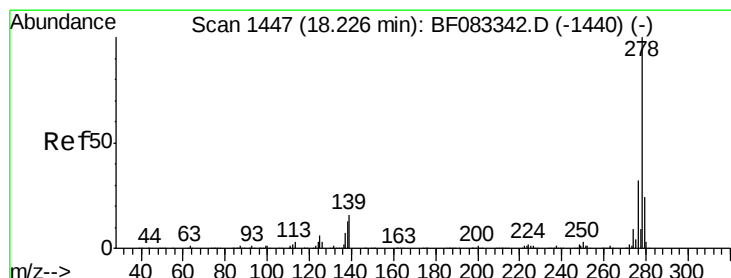
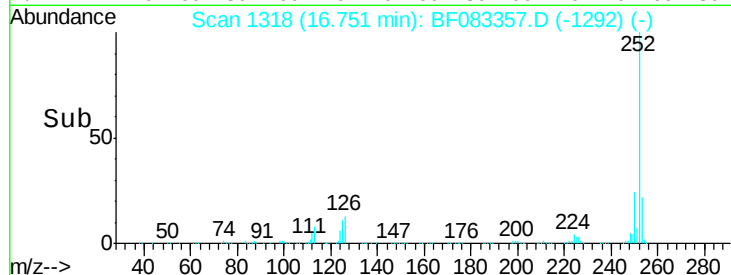
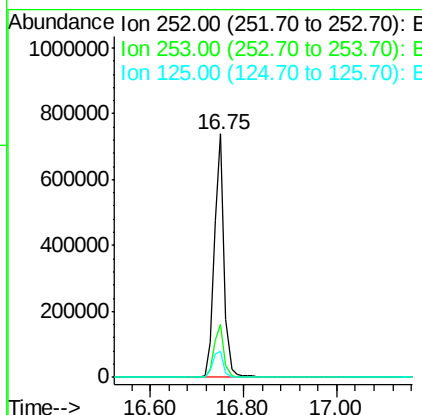
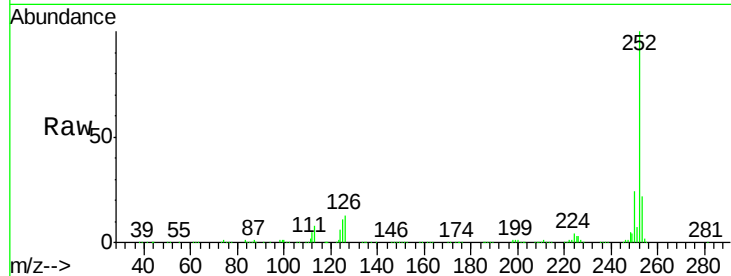
#89
Benzo(a)pyrene
Concen: 42.27 ng
RT: 16.75 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BF083357.D
Acq: 1 Dec 2015 2:43

Instrument :
BNA_F
ClientSampleId :
PB86889BSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	10.9	7.8	11.8

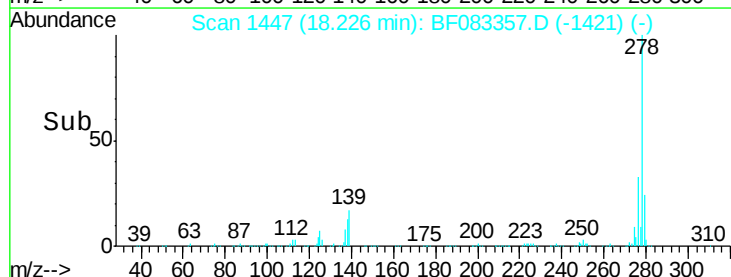
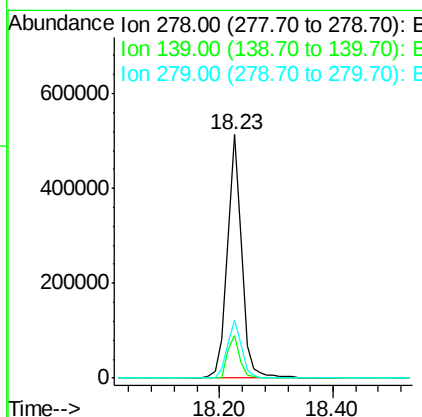
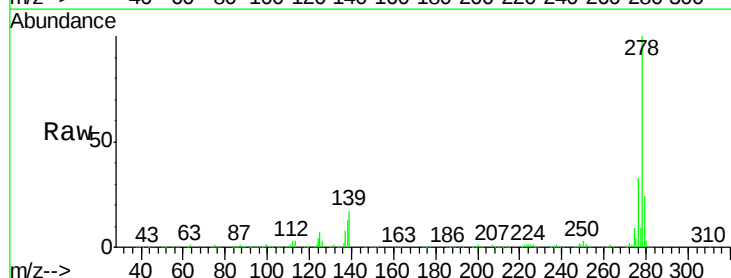
Manual Integrations
APPROVED

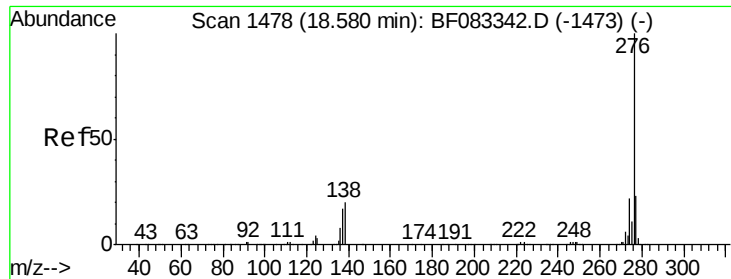
Mmdadoda
12/1/2015 6:35:06 PM



#90
Dibenzo(a,h)anthracene
Concen: 41.67 ng
RT: 18.23 min Scan# 1447
Delta R.T. 0.00 min
Lab File: BF083357.D
Acq: 1 Dec 2015 2:43

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.4	13.1	19.7
279	24.1	19.2	28.8





#91
 Benzo(g,h,i)perylene
 Concen: 43.10 ng
 RT: 18.58 min Scan# 1478
 Delta R.T. 0.00 min
 Lab File: BF083357.D
 Acq: 1 Dec 2015 2:43

Instrument :
 BNA_F
 ClientSampleId :
 PB86889BSD

Tgt Ion:	276	Resp:	934276
Ion Ratio	Lower	Upper	
276	100		
277	22.9	18.6	28.0
138	19.8	16.1	24.1

Manual Integrations
 APPROVED

Mmdadoda
 12/1/2015 6:35:06 PM

