

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113015\
 Data File : BF083365.D
 Acq On : 1 Dec 2015 6:47
 Operator : UM/IZ
 Sample : PB86904BS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB86904BS

Manual Integrations
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Mmdadoda
 12/1/2015 6:35:19 PM

Quant Time: Dec 01 07:33:08 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	161845	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	627466	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	323508	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	626909	20.00	ng	0.00
75) Chrysene-d12	14.75	240	563670	20.00	ng	-0.01
86) Perylene-d12	16.82	264	418071	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.14	112	810655	75.16	ng	0.01
7) Phenol-d6	6.21	99	1069536	72.45	ng	-0.01
23) Nitrobenzene-d5	7.13	82	1025805	71.87	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	233779	71.99	ng	-0.01
44) 2-Fluorobiphenyl	8.92	172	1653150	72.82	ng	0.00
78) Terphenyl-d14	13.22	244	1701081	71.97	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.02	88	155280	26.59	ng	# 91
3) Pyridine	2.62	79	480080	32.86	ng	98
4) n-Nitrosodimethylamine	2.58	42	245866	34.19	ng	98
6) Aniline	6.21	93	411249	20.36	ng	96
8) 2-Chlorophenol	6.34	128	439505	36.94	ng	99
9) Benzaldehyde	6.09	77	228978	30.52	ng	98
10) Phenol	6.24	94	575836	32.42	ng	98
11) bis(2-Chloroethyl)ether	6.29	93	473911	36.68	ng	95
12) 1,3-Dichlorobenzene	6.49	146	469481	35.50	ng	99
13) 1,4-Dichlorobenzene	6.57	146	486215	35.57	ng	100
14) 1,2-Dichlorobenzene	6.72	146	417018m	33.25	ng	
15) Benzyl Alcohol	6.72	79	428328	37.54	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.84	45	820885	36.21	ng	# 42
17) 2-Methylphenol	6.84	107	375120	37.83	ng	99
18) Hexachloroethane	7.06	117	164168	34.58	ng	97
19) n-Nitroso-di-n-propylamine	6.98	70	347925	32.97	ng	90
20) 3+4-Methylphenols	7.00	107	498039	37.08	ng	99
22) Acetophenone	6.97	105	634485	33.80	ng	# 92
24) Nitrobenzene	7.14	77	504337	33.09	ng	# 87
25) Isophorone	7.39	82	963715	34.86	ng	98
26) 2-Nitrophenol	7.46	139	213107	34.25	ng	95
27) 2,4-Dimethylphenol	7.53	122	387261	37.13	ng	98
28) bis(2-Chloroethoxy)methane	7.61	93	573902	36.45	ng	99
29) 2,4-Dichlorophenol	7.71	162	371509	37.03	ng	97
30) 1,2,4-Trichlorobenzene	7.78	180	370187	33.90	ng	# 96
31) Naphthalene	7.86	128	1206535	35.44	ng	99
32) Benzoic acid	7.68	122	256859	35.70	ng	98
33) 4-Chloroaniline	7.93	127	180982	12.33	ng	98
34) Hexachlorobutadiene	7.98	225	213505	34.44	ng	99
35) Caprolactam	8.30	113	126804m	40.00	ng	
36) 4-Chloro-3-methylphenol	8.43	107	435061	38.67	ng	91
37) 2-Methylnaphthalene	8.54	142	773352	33.99	ng	96
39) 1,2,4,5-Tetrachlorobenzene	8.72	216	341335	33.28	ng	97
40) Hexachlorocyclopentadiene	8.70	237	345172	70.86	ng	99

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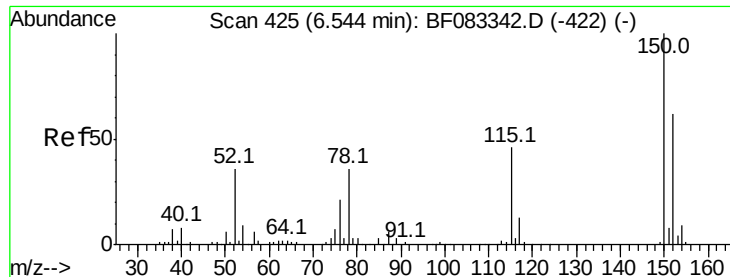
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.84	196	265115	36.86	nq	98
43) 2,4,5-Trichlorophenol	8.89	196	288187	38.67	nq	100
45) 1,1'-Biphenyl	9.01	154	935648	32.98	nq	95
46) 2-Chloronaphthalene	9.04	162	792869	36.68	nq	98
47) 2-Nitroaniline	9.15	65	300374	35.08	nq	91
48) Acenaphthylene	9.45	152	1223121	35.47	nq	99
49) Dimethylphthalate	9.33	163	921615	35.05	nq	100
50) 2,6-Dinitrotoluene	9.39	165	213369	38.00	nq	93
51) Acenaphthene	9.62	154	721747	35.58	nq	100
52) 3-Nitroaniline	9.56	138	105213	15.99	nq	82
53) 2,4-Dinitrophenol	9.66	184	228316	67.32	nq	93
54) Dibenzofuran	9.79	168	1062173	35.74	nq	98
55) 4-Nitrophenol	9.76	139	316679	76.93	nq	# 66
56) 2,4-Dinitrotoluene	9.79	165	261908	36.76	nq	97
57) Fluorene	10.13	166	862532	36.75	nq	100
58) 2,3,4,6-Tetrachlorophenol	9.93	232	223227m	37.12	nq	
59) Diethylphthalate	10.03	149	918785	36.66	nq	100
60) 4-Chlorophenyl-phenylether	10.13	204	411777	38.18	nq	98
61) 4-Nitroaniline	10.18	138	208245	31.63	nq	92
62) Azobenzene	10.29	77	1195204	39.48	nq	98
64) 4,6-Dinitro-2-methylphenol	10.20	198	166374	39.53	nq	84
65) n-Nitrosodiphenylamine	10.26	169	806163	36.59	nq	99
66) 4-Bromophenyl-phenylether	10.64	248	250097	36.47	nq	94
67) Hexachlorobenzene	10.69	284	272754	35.97	nq	# 70
68) Atrazine	10.82	200	252556	41.45	nq	98
69) Pentachlorophenol	10.92	266	300847	75.74	nq	98
70) Phenanthrene	11.16	178	1358838	36.63	nq	100
71) Anthracene	11.22	178	1425962	38.18	nq	100
72) Carbazole	11.41	167	1277227	38.06	nq	99
73) Di-n-butylphthalate	11.86	149	1515556	38.11	nq	100
74) Fluoranthene	12.66	202	1396879	36.32	nq	98
76) Benzidine	12.87	184	370129	22.05	nq	98
77) Pyrene	12.97	202	1474665	37.46	nq	99
79) Butylbenzylphthalate	13.96	149	635976	38.08	nq	96
80) Benzo(a)anthracene	14.74	228	1218488	35.28	nq	99
81) 3,3'-Dichlorobenzidine	14.73	252	227121	21.06	nq	99
82) Chrysene	14.80	228	1119171	33.54	nq	99
83) Bis(2-ethylhexyl)phthalate	14.88	149	880391	39.30	nq	100
84) Di-n-octyl phthalate	15.85	149	1304258	39.10	nq	100
85) Indeno(1,2,3-cd)pyrene	18.20	276	976894	40.20	nq	99
87) Benzo(b)fluoranthene	16.31	252	1009632	37.64	nq	98
88) Benzo(k)fluoranthene	16.34	252	834694m	32.95	nq	
89) Benzo(a)pyrene	16.74	252	859914	37.32	nq	# 96
90) Dibenzo(a,h)anthracene	18.23	278	822153	40.95	nq	99
91) Benzo(g,h,i)perylene	18.57	276	838287	42.54	nq	96

(#) = 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

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Instrument :

BNA_F

ClientSampleId :

PB86904BS

Tot Ion:152 Resp: 161845

Ion Ratio Lower Upper

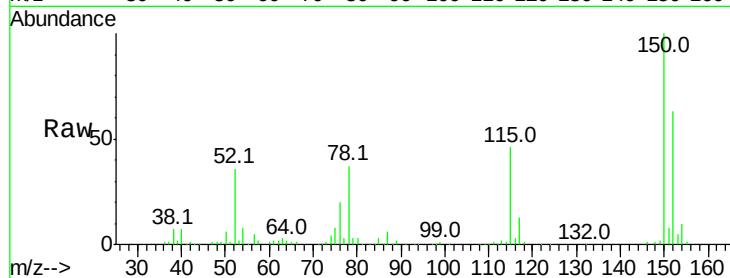
152 100

150 158.0 129.8 194.8

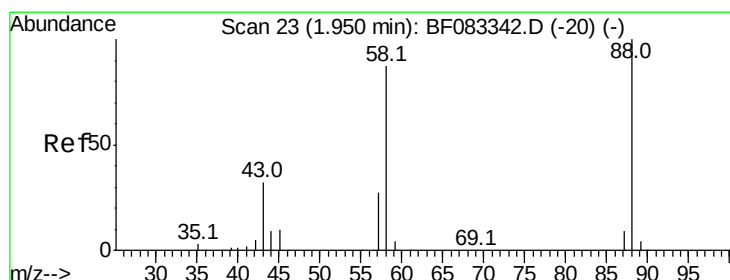
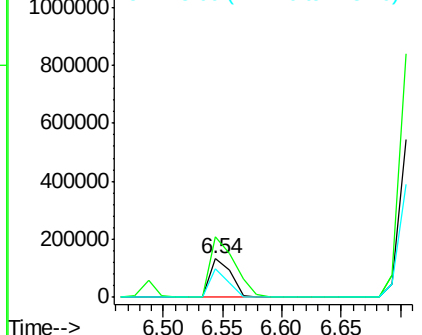
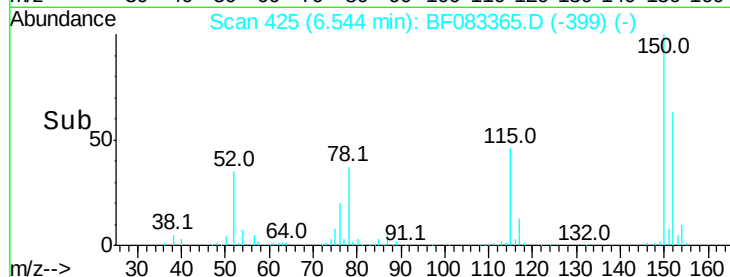
115 72.9 59.2 88.8

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 26.59 ng

RT: 2.02 min Scan# 29

Delta R.T. 0.07 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

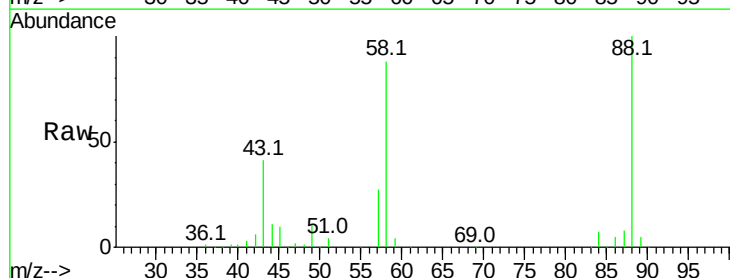
Tgt Ion: 88 Resp: 155280

Ion Ratio Lower Upper

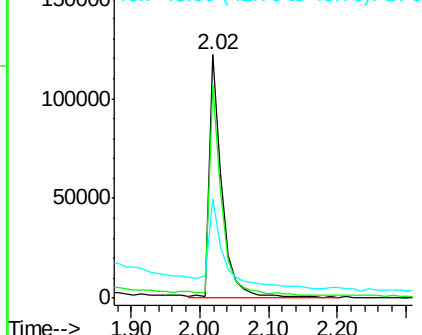
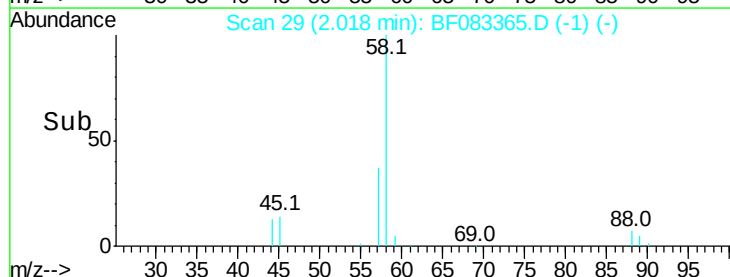
88 100

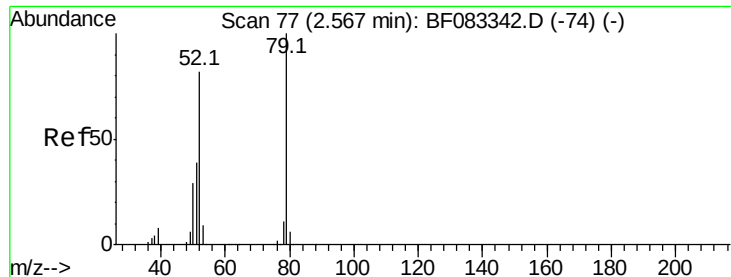
58 87.9 66.6 100.0

43 45.1 27.1 40.7#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 32.86 ng

RT: 2.62 min Scan# 82

Delta R.T. 0.06 min

Lab File: BF083365.D

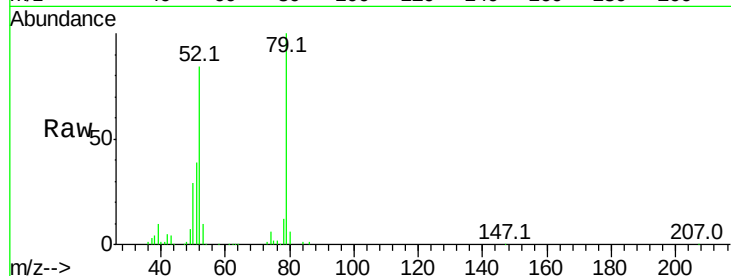
Acq: 1 Dec 2015 6:47

Instrument :

BNA_F

ClientSampleId :

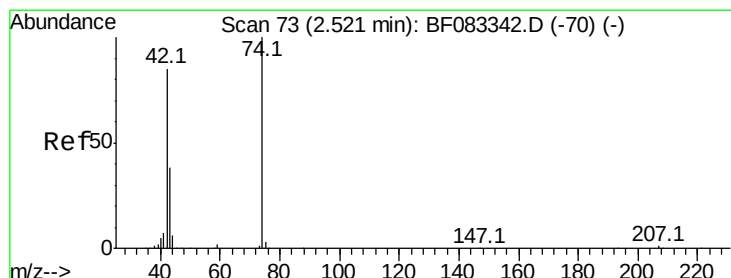
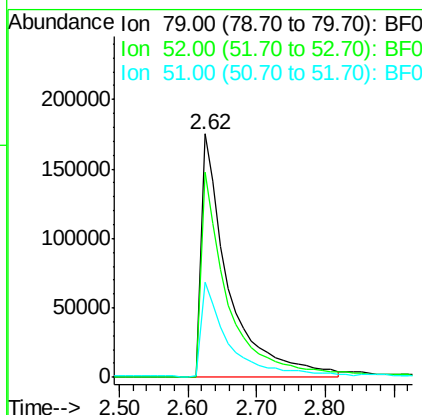
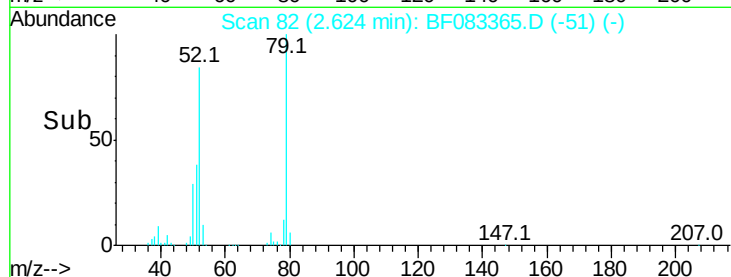
PB86904BS



Tot Ion:	79	Resp:	480080
Ion Ratio	Lower	Upper	
79	100		
52	84.2	65.9	98.9
51	39.1	32.3	48.5

Manual Integrations
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#4

n-Nitrosodimethylamine

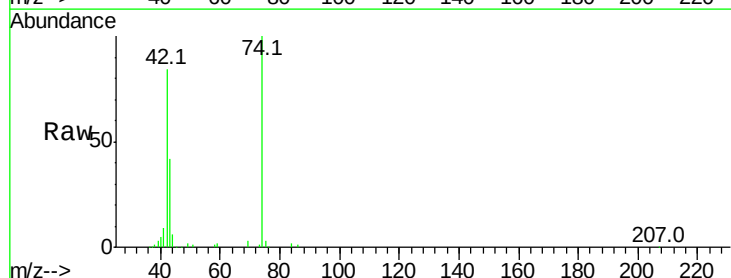
Concen: 34.19 ng

RT: 2.58 min Scan# 78

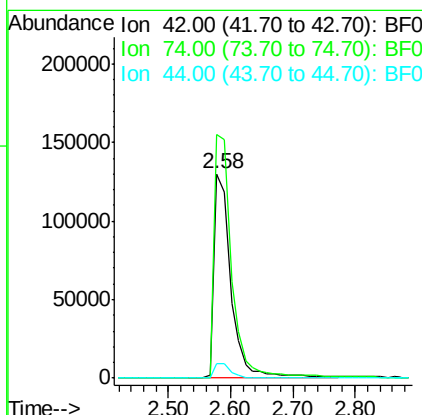
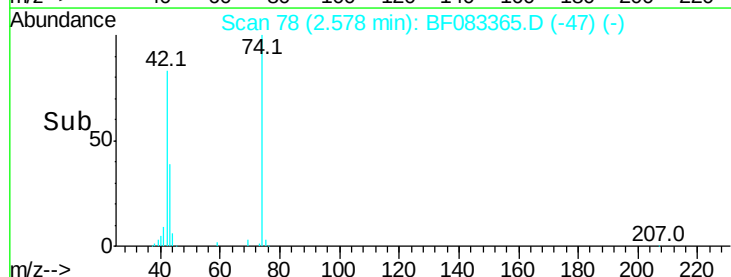
Delta R.T. 0.06 min

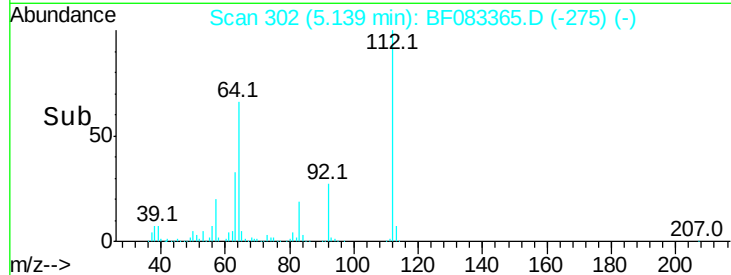
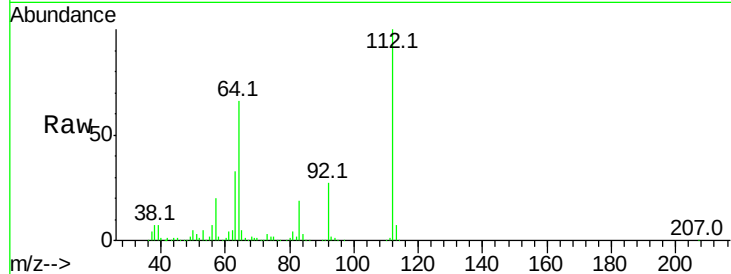
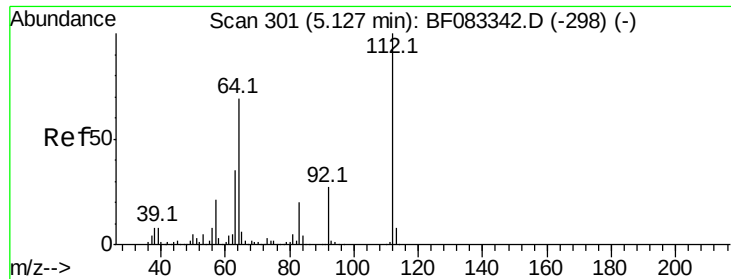
Lab File: BF083365.D

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Tgt Ion:	42	Resp:	245866
Ion Ratio	Lower	Upper	
42	100		
74	119.4	93.7	140.5
44	7.3	5.6	8.4





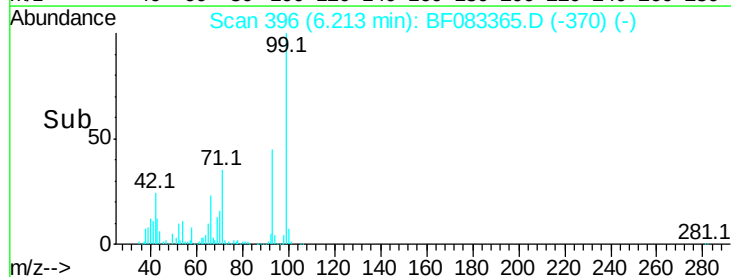
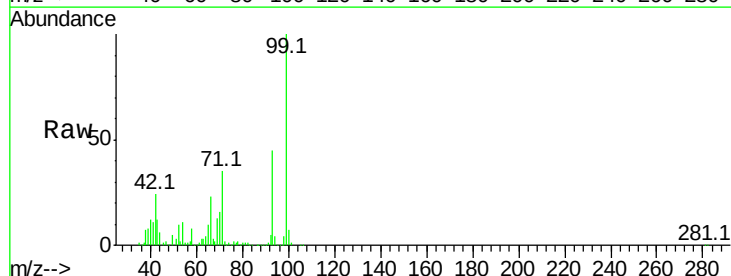
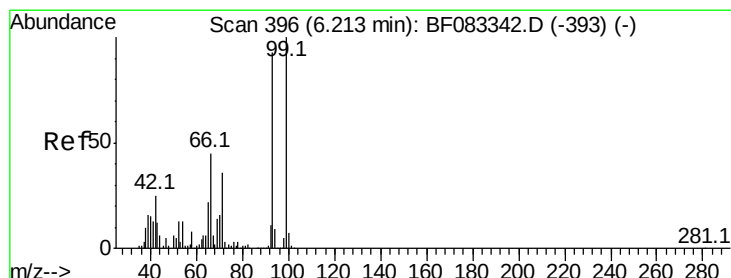
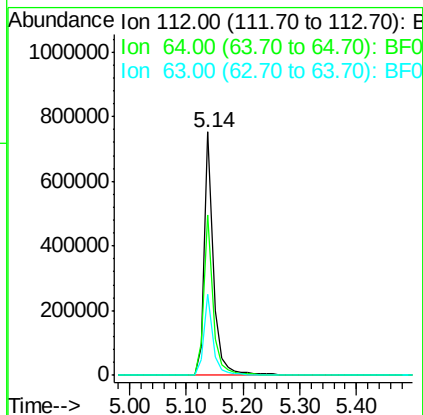
#5
2-Fluorophenol
Concen: 75.16 ng
RT: 5.14 min Scan# 302
Delta R.T. 0.01 min
Lab File: BF083365.D
Acq: 1 Dec 2015 6:47

Tot Ion	Ratio	Resp Lower	Upper
112	100		
64	65.7	55.6	83.4
63	33.3	28.2	42.2

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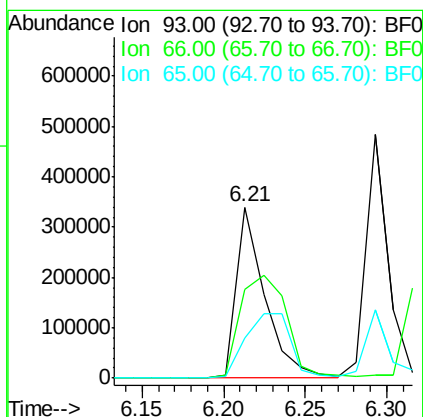
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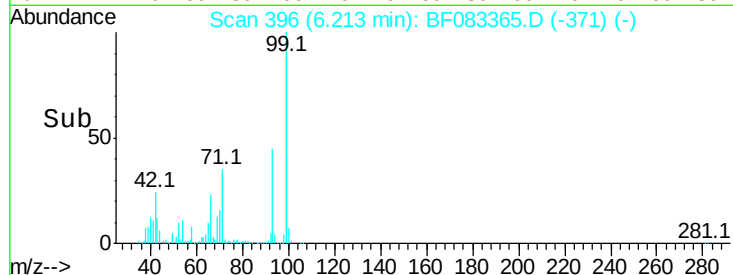
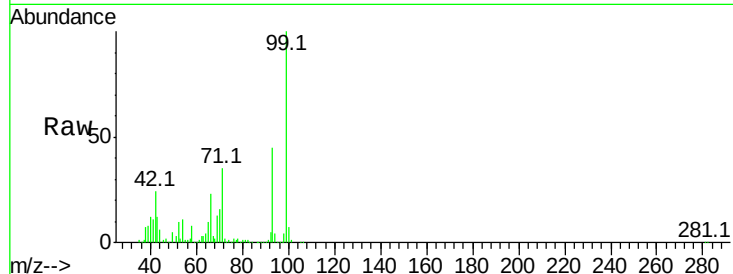
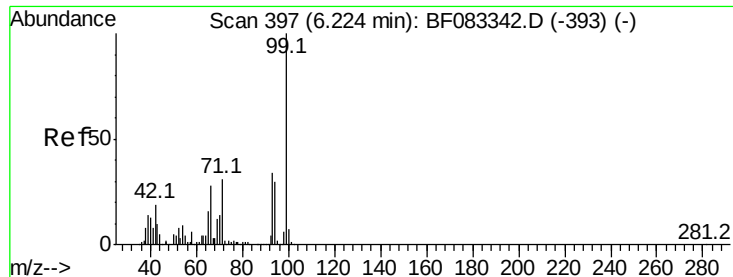
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#6
Aniline
Concen: 20.36 ng
RT: 6.21 min Scan# 396
Delta R.T. -0.00 min
Lab File: BF083365.D
Acq: 1 Dec 2015 6:47

Tgt Ion	Ratio	Resp Lower	Upper
93	100		
66	51.8	38.7	58.1
65	23.3	19.0	28.6





#7

Phenol-d6

Concen: 72.45 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Tot Ion: 99 Resp: 1069536

Ion Ratio Lower Upper

99 100

42 23.8 14.9 22.3#

71 34.6 24.7 37.1

Instrument :

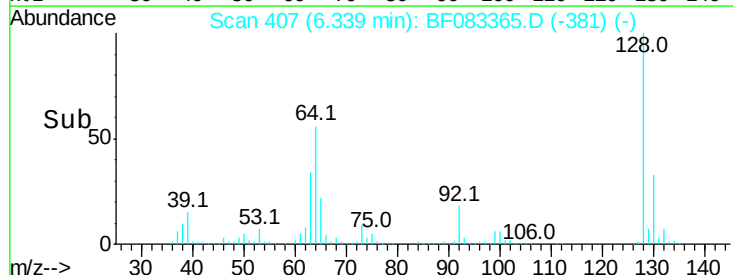
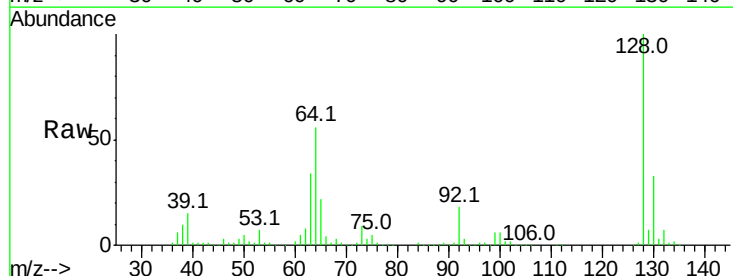
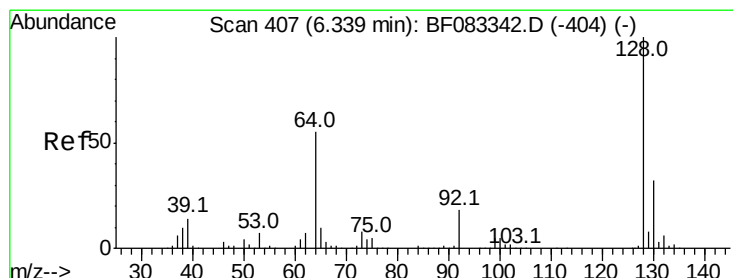
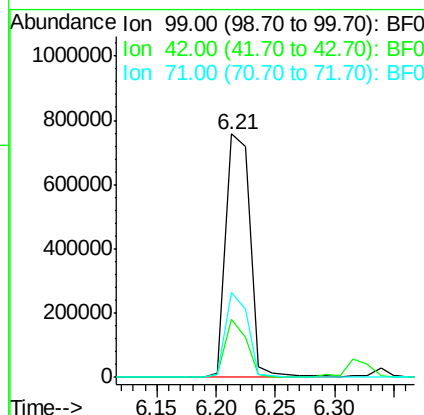
BNA_F

ClientSampleId :

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#8

2-Chlorophenol

Concen: 36.94 ng

RT: 6.34 min Scan# 407

Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

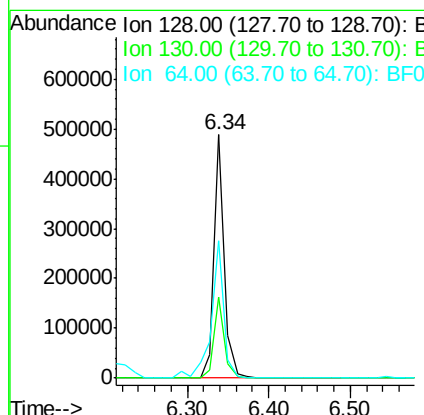
Tgt Ion: 128 Resp: 439505

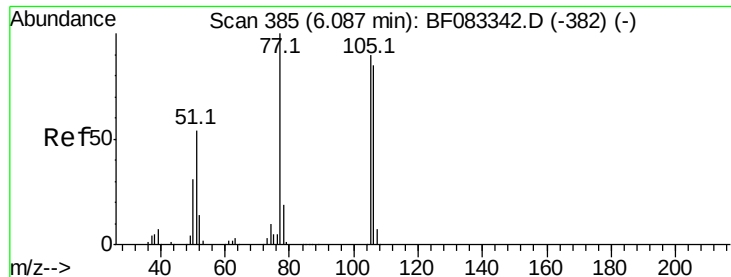
Ion Ratio Lower Upper

128 100

130 33.3 12.3 52.3

64 56.5 36.4 76.4





#9

Benzaldehyde

Concen: 30.52 ng

RT: 6.09 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Instrument :

BNA_F

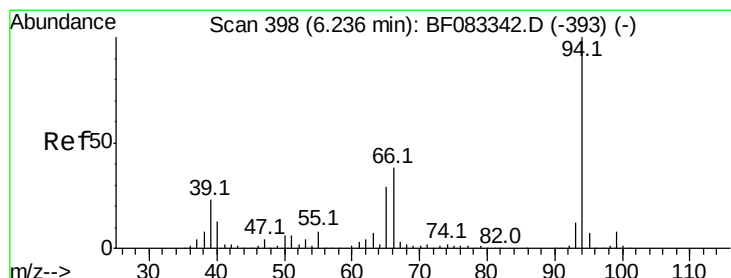
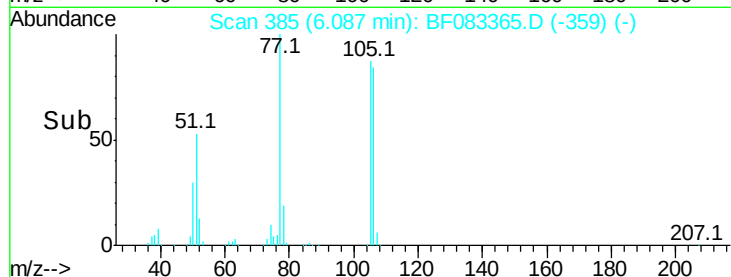
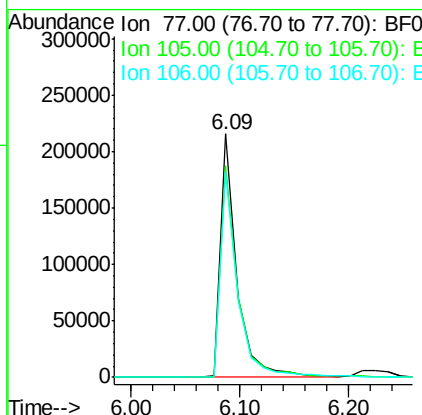
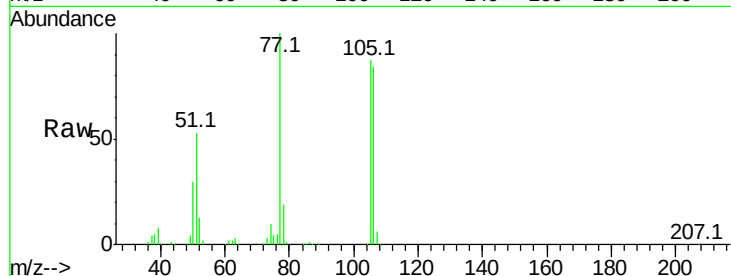
ClientSampleId :

PB86904BS

Manual Integrations
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12/1/2015 6:35:19 PM

Tot Ion:	77	Resp:	228978
Ion Ratio	Lower	Upper	
77	100		
105	87.2	70.0	110.0
106	84.3	65.0	105.0



#10

Phenol

Concen: 32.42 ng

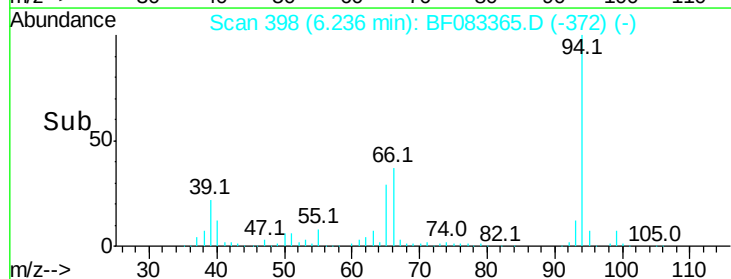
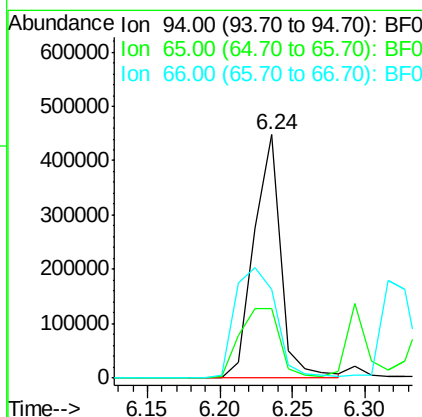
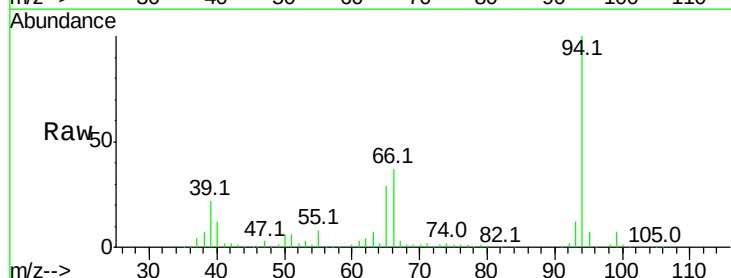
RT: 6.24 min Scan# 398

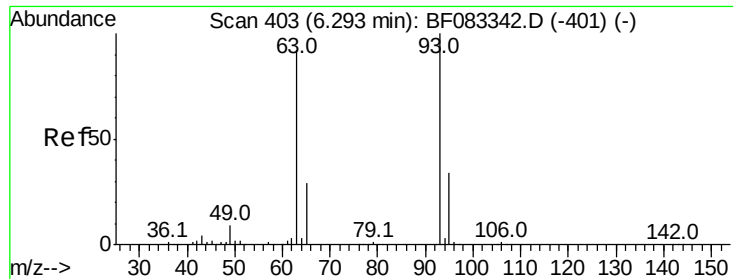
Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Tgt Ion:	94	Resp:	575836
Ion Ratio	Lower	Upper	
94	100		
65	28.7	9.5	49.5
66	36.6	17.9	57.9





#11

bis(2-Chloroethyl)ether

Concen: 36.68 ng

RT: 6.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Instrument :

BNA_F

ClientSampleId :

PB86904BS

Tot Ion: 93 Resp: 473911

Ion Ratio Lower Upper

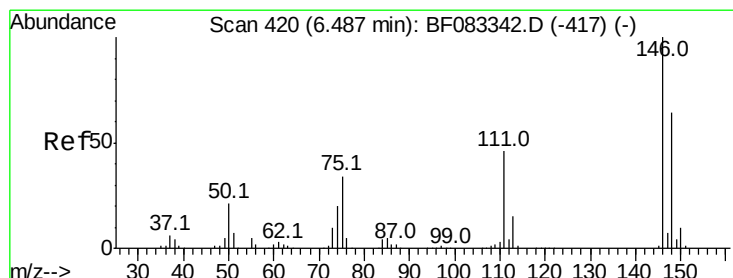
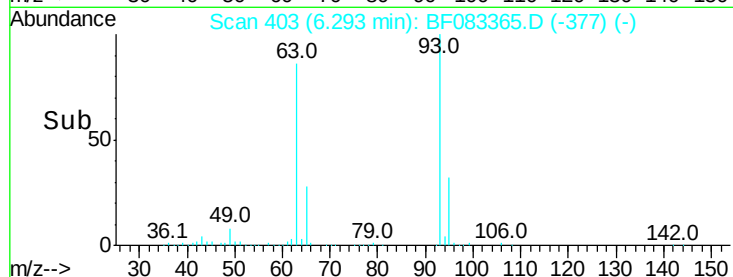
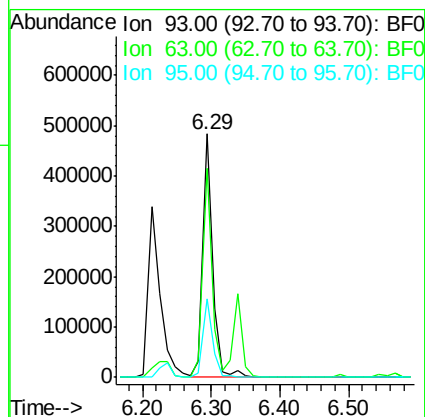
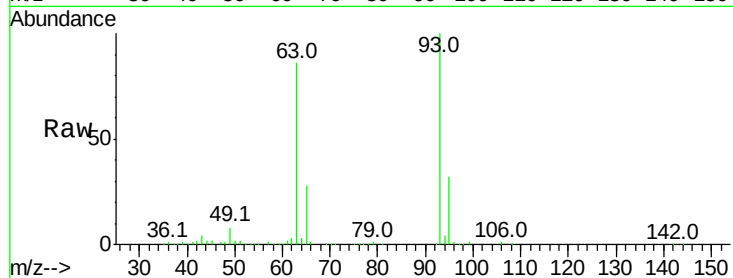
93 100

63 86.1 71.4 111.4

95 32.4 13.4 53.4

Manual Integrations
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#12

1,3-Dichlorobenzene

Concen: 35.50 ng

RT: 6.49 min Scan# 420

Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

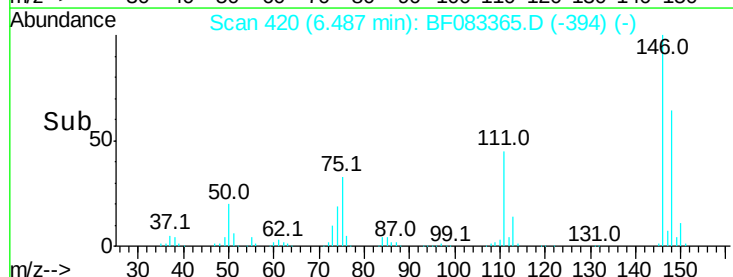
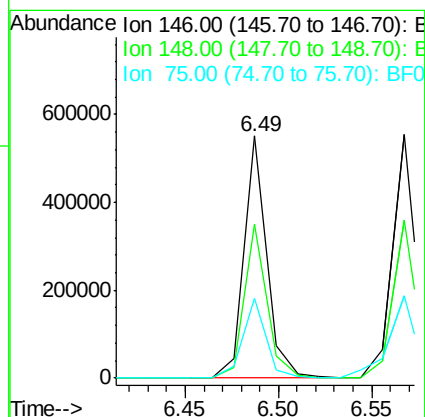
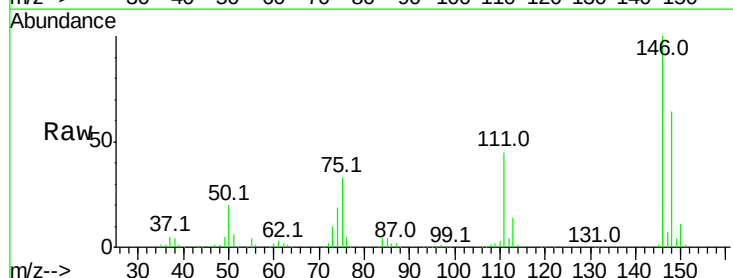
Tgt Ion: 146 Resp: 469481

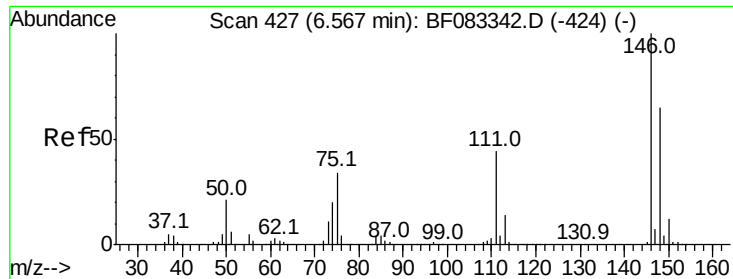
Ion Ratio Lower Upper

146 100

148 63.7 51.1 76.7

75 32.8 27.5 41.3





#13

1,4-Dichlorobenzene

Concen: 35.57 ng

RT: 6.57 min Scan# 427

Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Instrument :

BNA_F

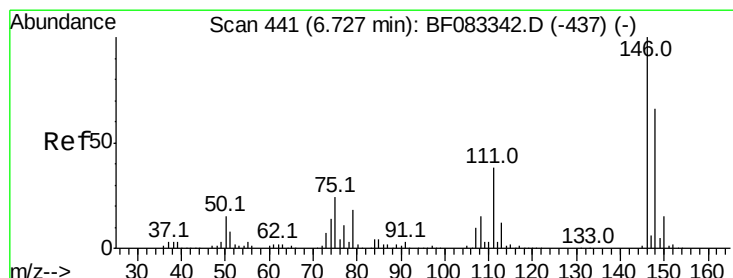
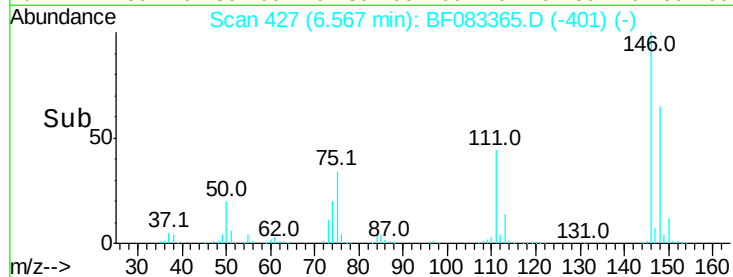
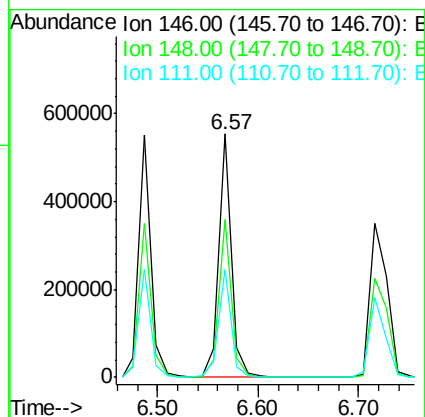
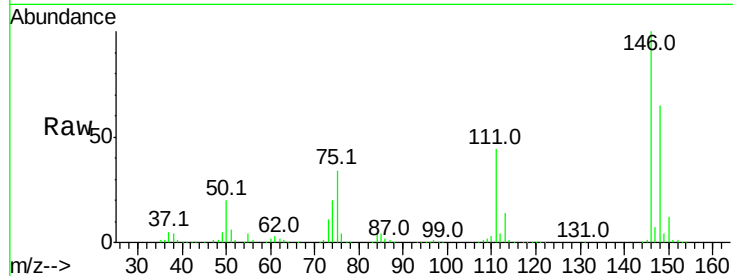
ClientSampleId :

PB86904BS

Tot Ion:	146	Resp:	486215
Ion Ratio	Lower	Upper	
146	100		
148	65.0	52.1	78.1
111	44.1	35.4	53.0

Manual Integrations
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12/1/2015 6:35:19 PM



#14

1,2-Dichlorobenzene

Concen: 33.25 ng m

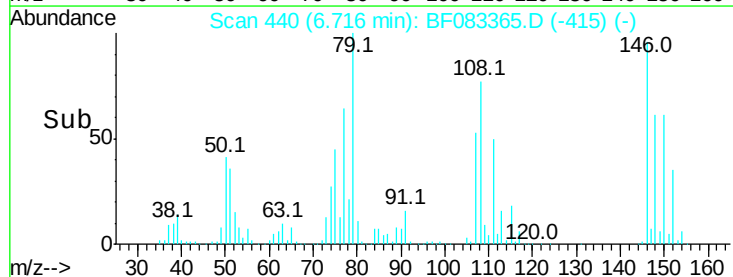
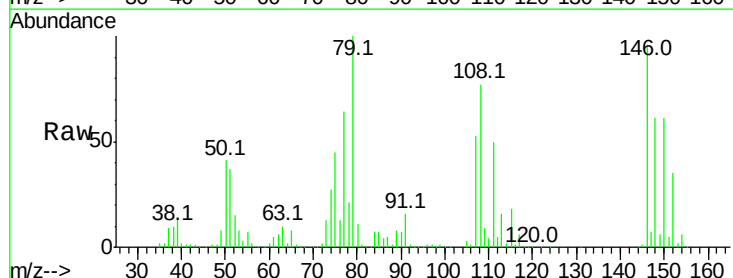
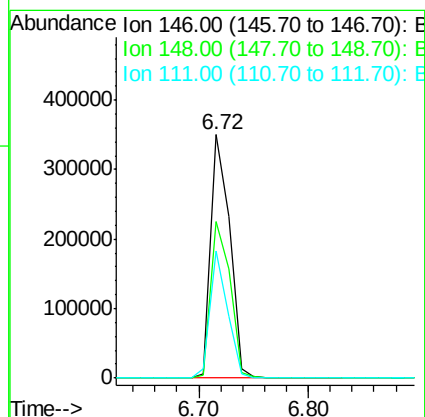
RT: 6.72 min Scan# 440

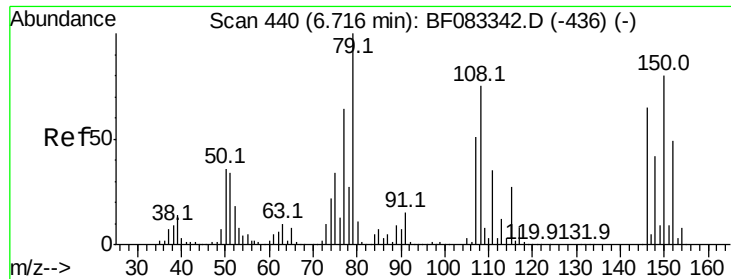
Delta R.T. -0.01 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Tgt Ion:	146	Resp:	417018
Ion Ratio	Lower	Upper	
146	100		
148	64.1	52.5	78.7
111	52.1	30.6	46.0#





#15

Benzyl Alcohol

Concen: 37.54 ng

RT: 6.72 min Scan# 440

Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Instrument :

BNA_F

ClientSampleId :

PB86904BS

Tot Ion: 79 Resp: 428328

Ion Ratio Lower Upper

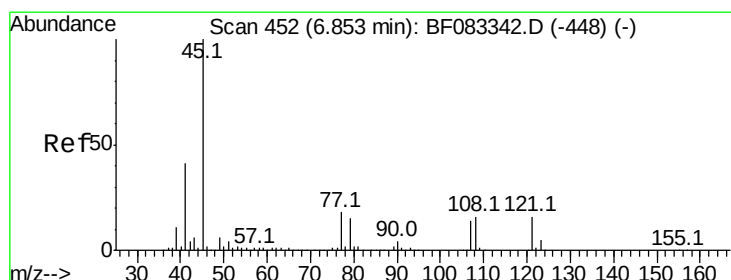
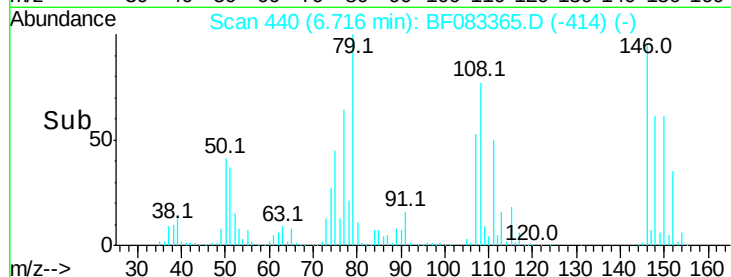
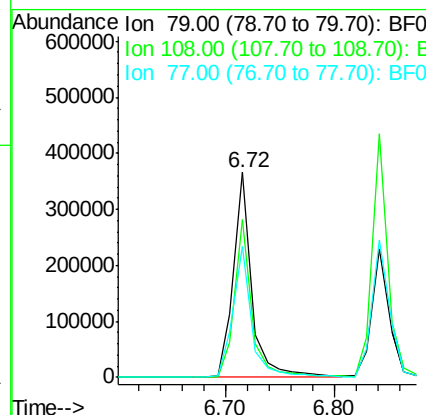
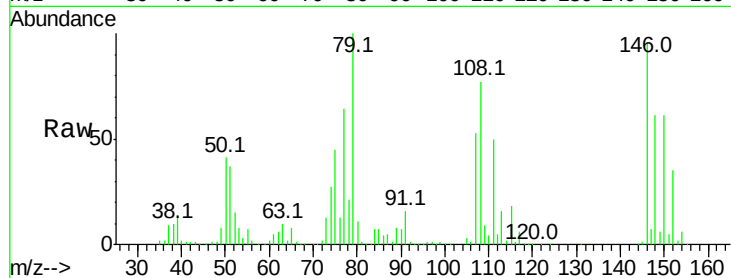
79 100

108 76.9 59.9 89.9

77 63.7 51.0 76.6

Manual Integrations
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12/1/2015 6:35:19 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.21 ng

RT: 6.84 min Scan# 451

Delta R.T. -0.01 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

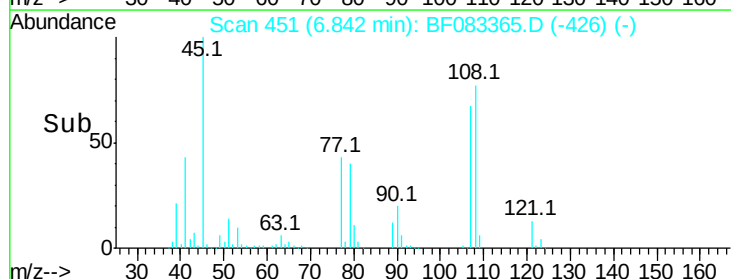
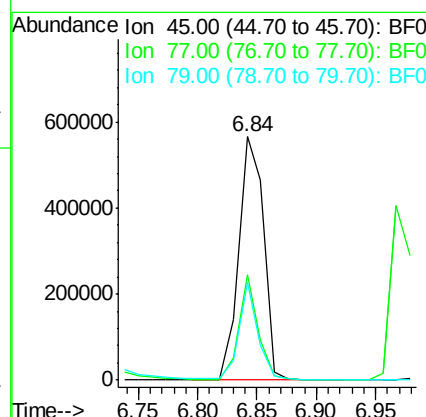
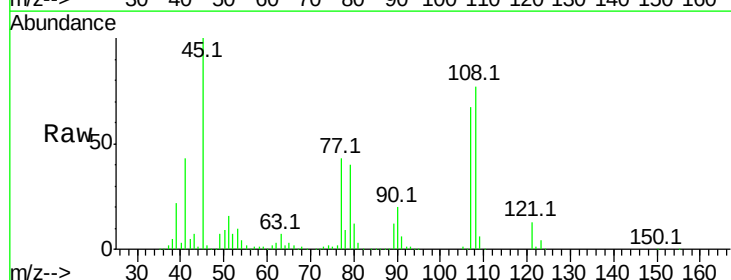
Tgt Ion: 45 Resp: 820885

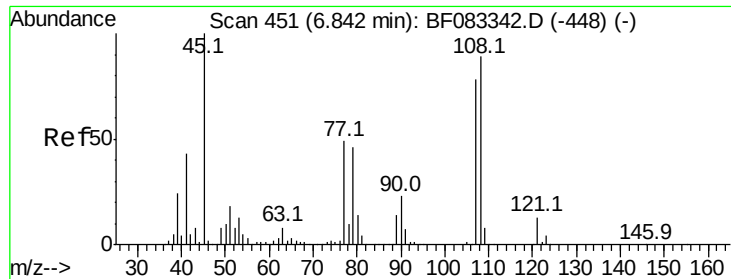
Ion Ratio Lower Upper

45 100

77 43.4 0.0 38.3#

79 40.3 0.0 35.4#





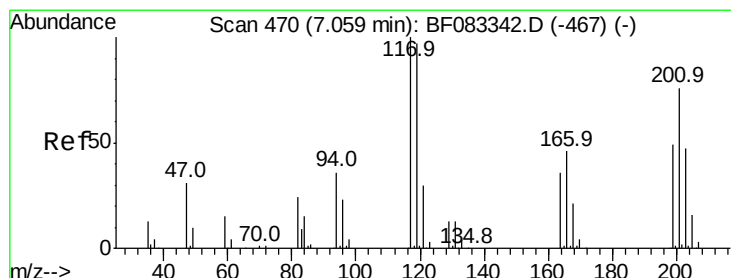
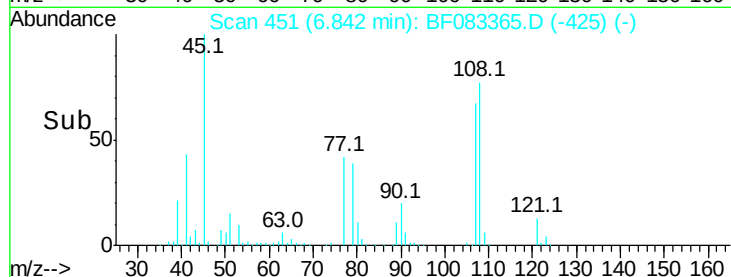
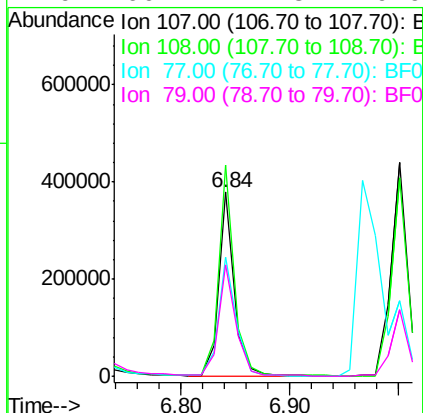
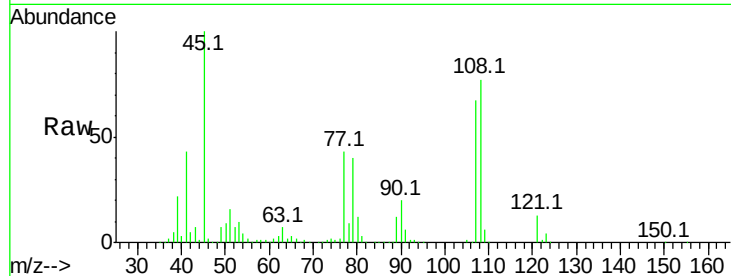
#17
2-Methylphenol
Concen: 37.83 ng
RT: 6.84 min Scan# 451
Delta R.T. -0.00 min
Lab File: BF083365.D
Acq: 1 Dec 2015 6:47

Instrument :
BNA_F
ClientSampleId :
PB86904BS

Tot Ion	Ratio	Resp	Lower	Upper
107	100	375120		
108	114.6	91.6	137.4	
77	64.7	49.9	74.9	
79	60.2	47.3	70.9	

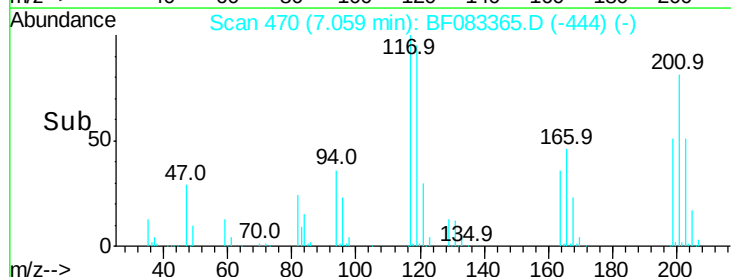
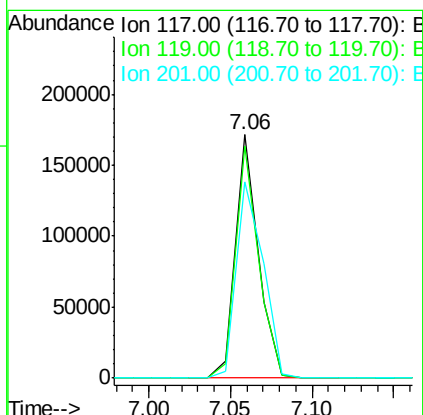
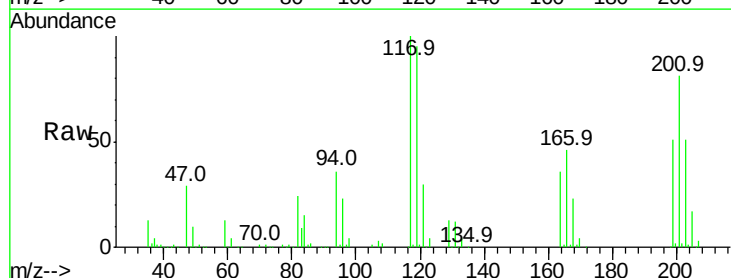
Manual Integrations
APPROVED

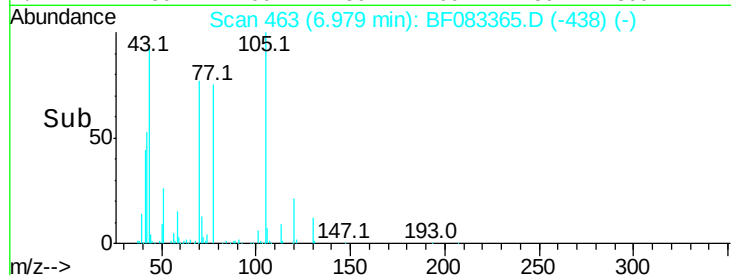
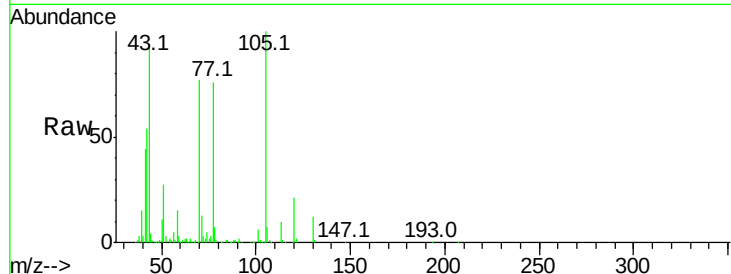
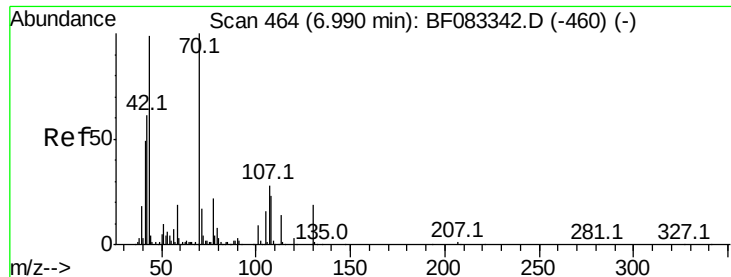
Mmdadoda
12/1/2015 6:35:19 PM



#18
Hexachloroethane
Concen: 34.58 ng
RT: 7.06 min Scan# 470
Delta R.T. -0.00 min
Lab File: BF083365.D
Acq: 1 Dec 2015 6:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	164168		
119	95.4	77.3	115.9	
201	80.6	60.6	90.8	





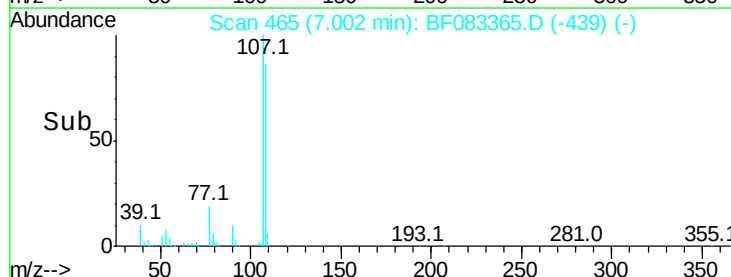
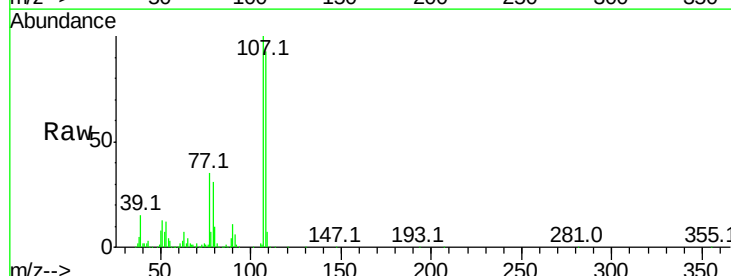
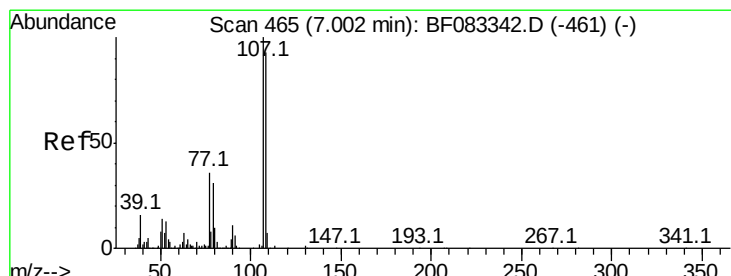
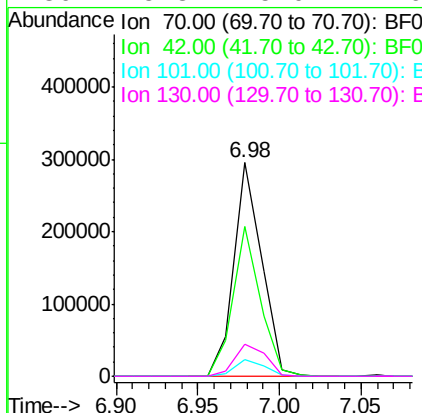
#19
n-Nitroso-di-n-propylamine
Concen: 32.97 ng
RT: 6.98 min Scan# 463
Delta R.T. -0.01 min
Lab File: BF083365.D
Acq: 1 Dec 2015 6:47

Instrument :
BNA_F
ClientSampleId :
PB86904BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		347925		
42	69.9	48.8	73.2		
101	8.0	7.1	10.7		
130	15.3	15.0	22.6		

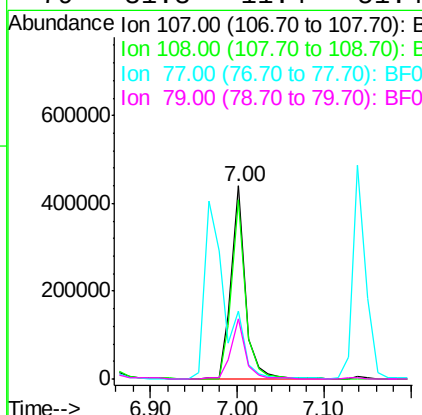
Manual Integrations
APPROVED

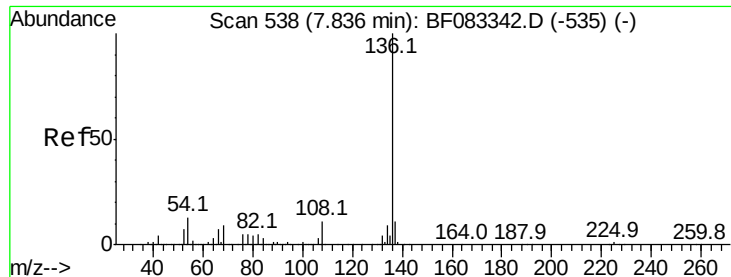
Mmdadoda
12/1/2015 6:35:19 PM



#20
3+4-Methylphenols
Concen: 37.08 ng
RT: 7.00 min Scan# 465
Delta R.T. -0.00 min
Lab File: BF083365.D
Acq: 1 Dec 2015 6:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		498039		
108	92.9	73.0	113.0		
77	35.2	16.8	56.8		
79	31.3	11.4	51.4		





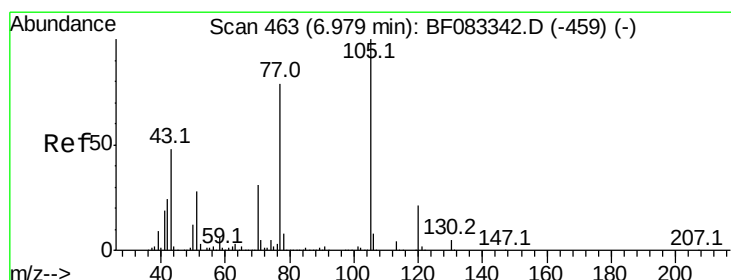
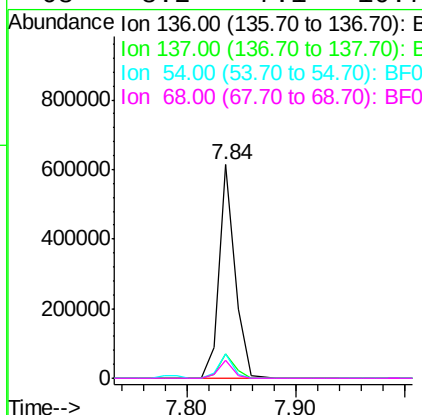
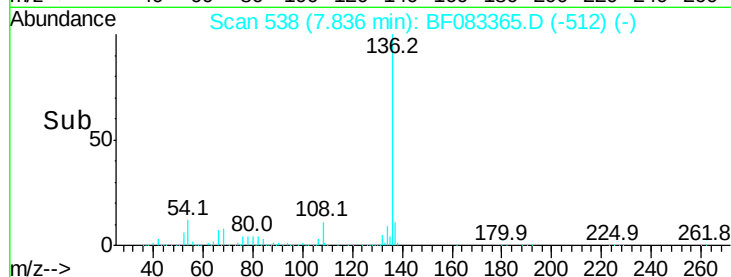
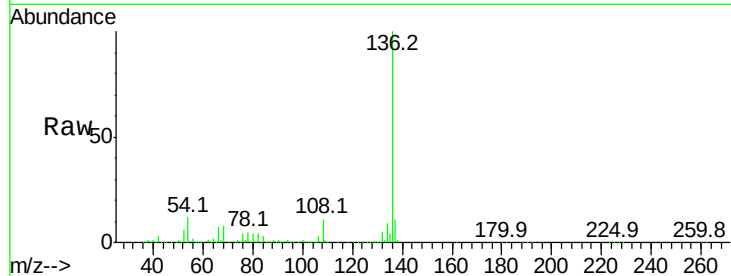
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 538
Delta R.T. -0.00 min
Lab File: BF083365.D
Acq: 1 Dec 2015 6:47

Instrument :
BNA_F
ClientSampleId :
PB86904BS

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.3	9.0	13.4
54	11.6	10.1	15.1
68	8.2	7.1	10.7

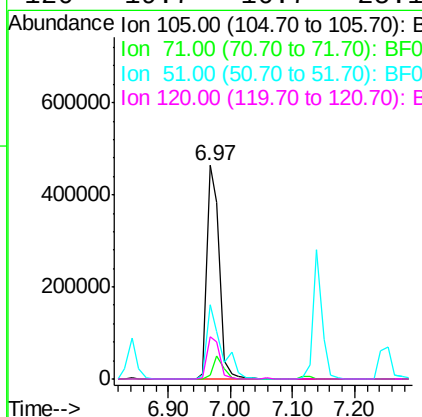
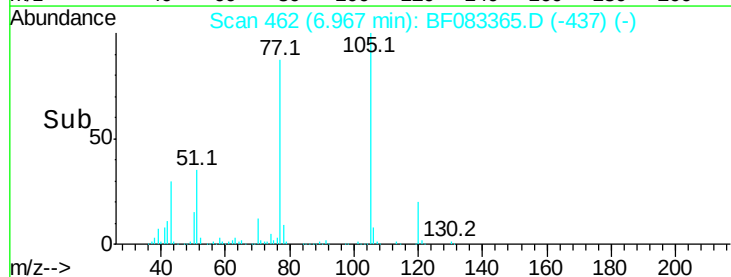
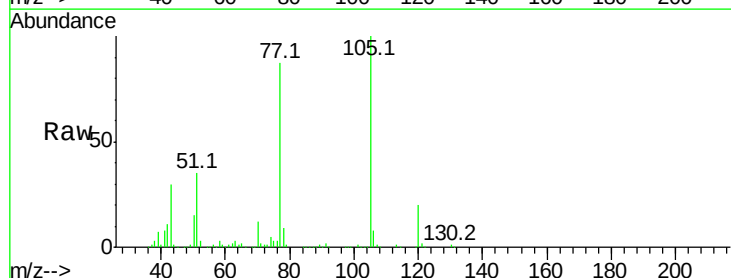
Manual Integrations
APPROVED

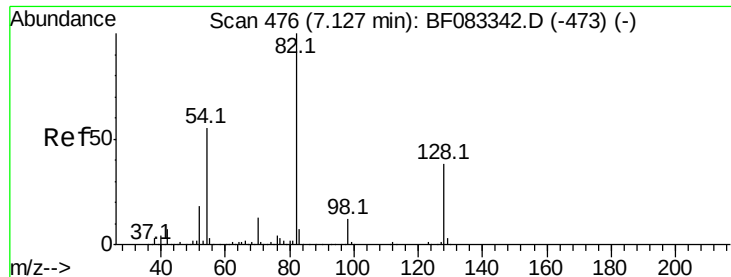
Mmdadoda
12/1/2015 6:35:19 PM



#22
Acetophenone
Concen: 33.80 ng
RT: 6.97 min Scan# 462
Delta R.T. -0.01 min
Lab File: BF083365.D
Acq: 1 Dec 2015 6:47

Tgt Ion	Ratio	Resp Lower	Upper
105	100		
71	2.1	4.3	6.5#
51	34.7	22.9	34.3#
120	19.7	16.7	25.1





#23
 Nitrobenzene-d5
 Concen: 71.87 ng
 RT: 7.13 min Scan# 476
 Delta R.T. -0.00 min
 Lab File: BF083365.D
 Acq: 1 Dec 2015 6:47

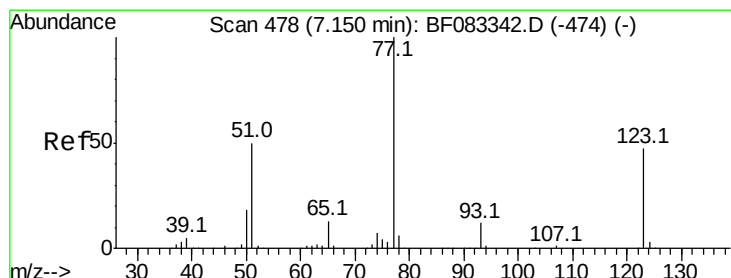
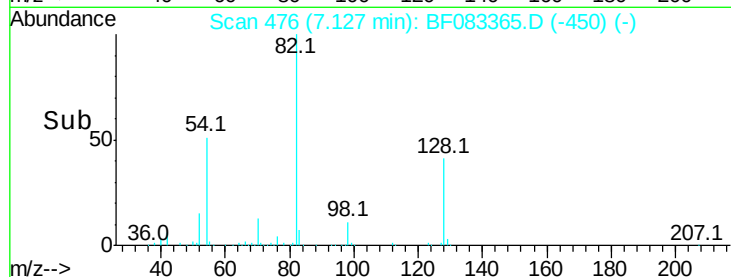
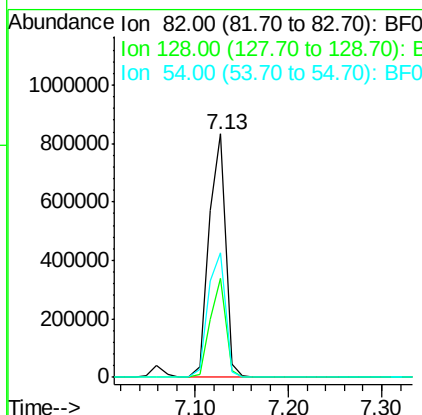
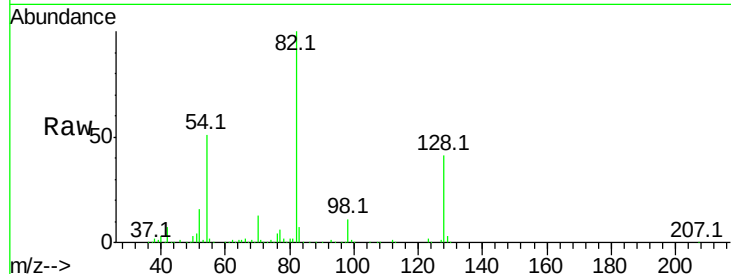
Instrument :
 BNA_F
 ClientSampleId :
 PB86904BS

Tot Ion: 82 Resp: 1025805

Ion	Ratio	Lower	Upper
82	100		
128	40.9	30.6	46.0
54	51.2	43.8	65.6

Manual Integrations
 APPROVED

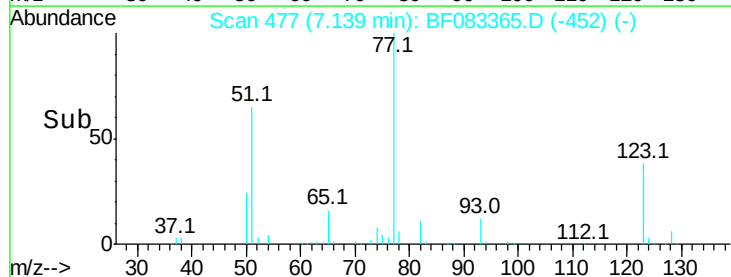
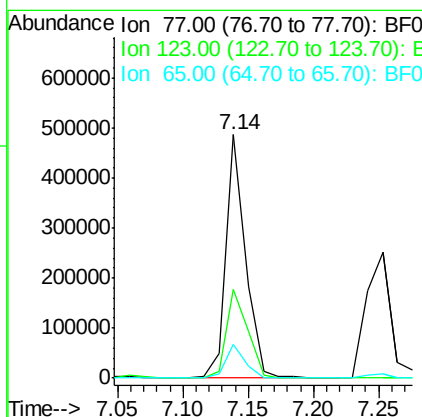
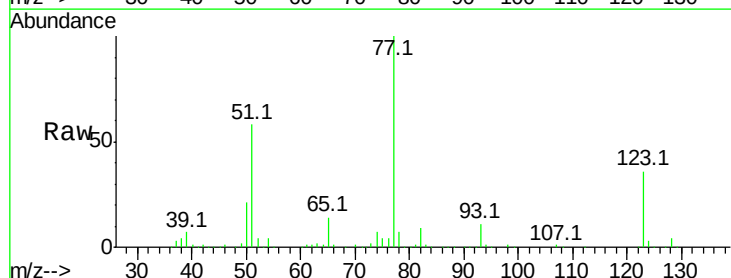
Mmdadoda
 12/1/2015 6:35:19 PM

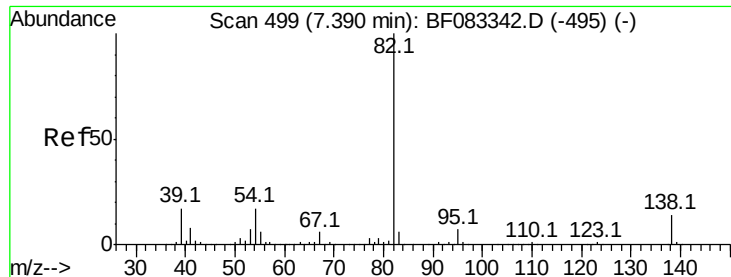


#24
 Nitrobenzene
 Concen: 33.09 ng
 RT: 7.14 min Scan# 477
 Delta R.T. -0.01 min
 Lab File: BF083365.D
 Acq: 1 Dec 2015 6:47

Tgt Ion: 77 Resp: 504337

Ion	Ratio	Lower	Upper
77	100		
123	36.3	37.4	56.0#
65	14.1	10.6	15.8





#25

Isophorone

Concen: 34.86 ng

RT: 7.39 min Scan# 499

Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Instrument :

BNA_F

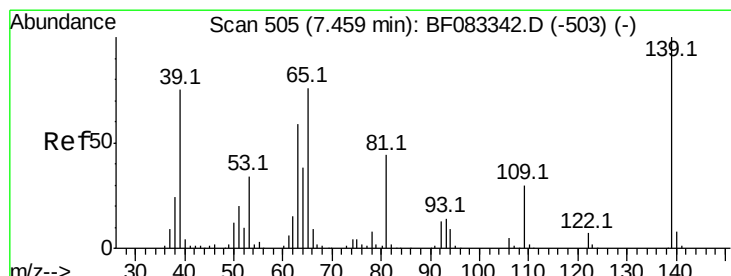
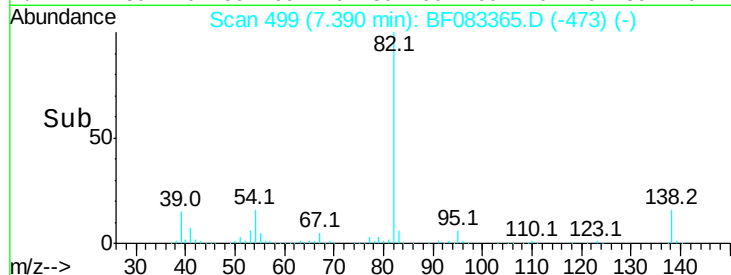
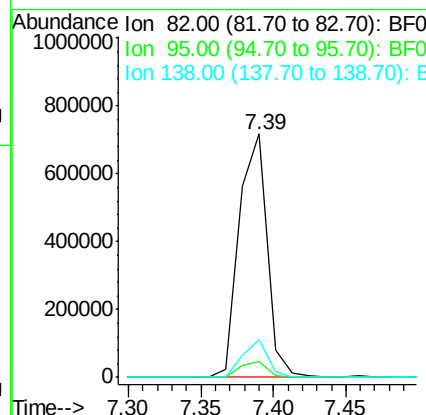
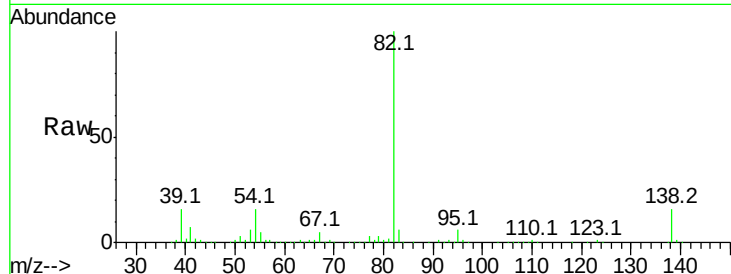
ClientSampleId :

PB86904BS

Tot Ion:	82	Resp:	963715
Ion Ratio		Lower	Upper
82	100		
95	6.4	5.3	7.9
138	15.6	11.6	17.4

Manual Integrations
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Mmdadoda
12/1/2015 6:35:19 PM



#26

2-Nitrophenol

Concen: 34.25 ng

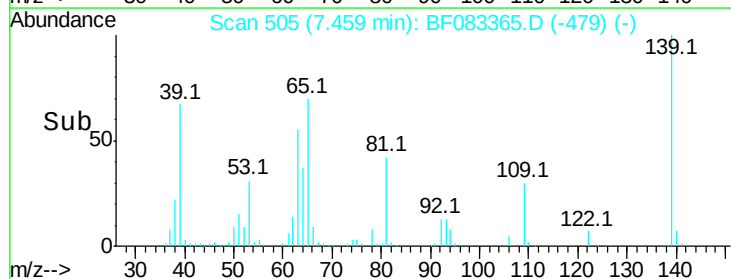
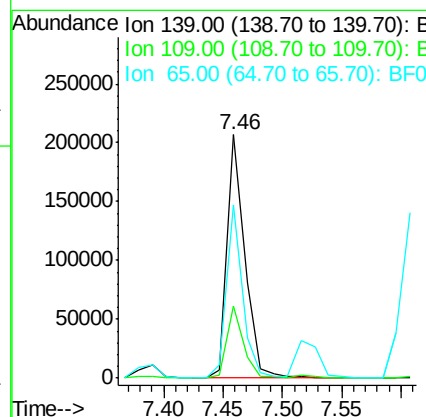
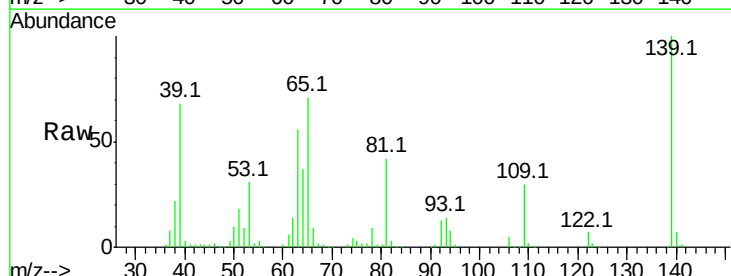
RT: 7.46 min Scan# 505

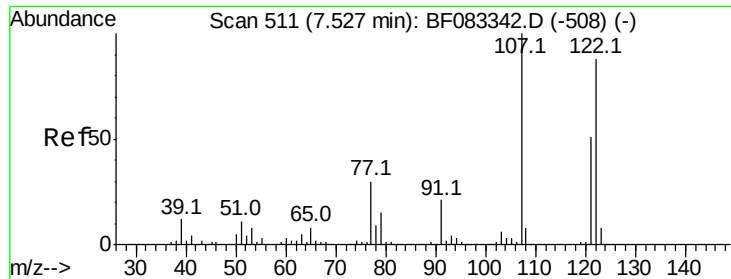
Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Tgt Ion:	139	Resp:	213107
Ion Ratio		Lower	Upper
139	100		
109	29.6	24.2	36.4
65	71.0	61.0	91.6





#27

2,4-Dimethylphenol

Concen: 37.13 ng

RT: 7.53 min Scan# 511

Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Instrument :

BNA_F

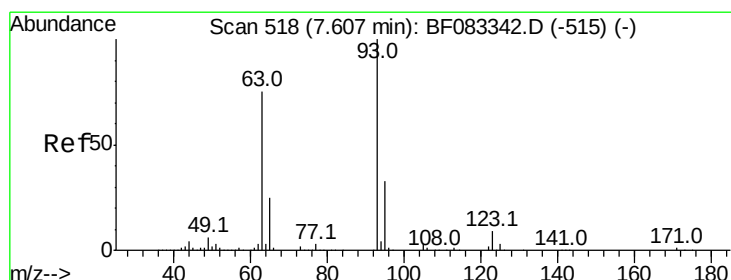
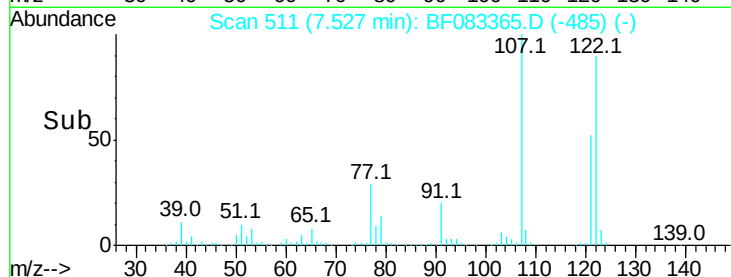
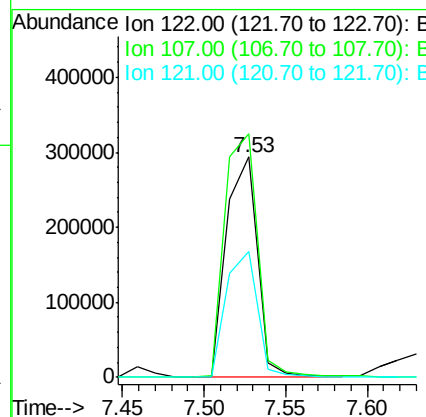
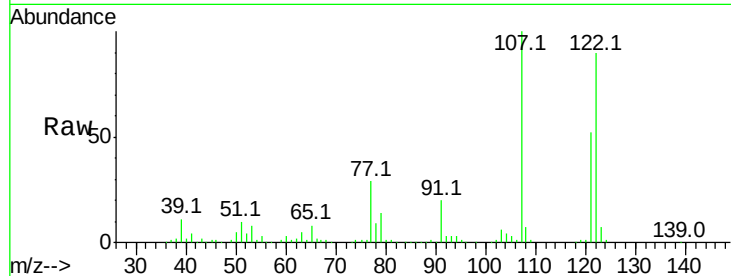
ClientSampleId :

PB86904BS

Tot Ion:	122	Resp:	387261
Ion Ratio	Lower	Upper	
122	100		
107	110.7	91.2	136.8
121	57.5	46.4	69.6

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#28

bis(2-Chloroethoxy)methane

Concen: 36.45 ng

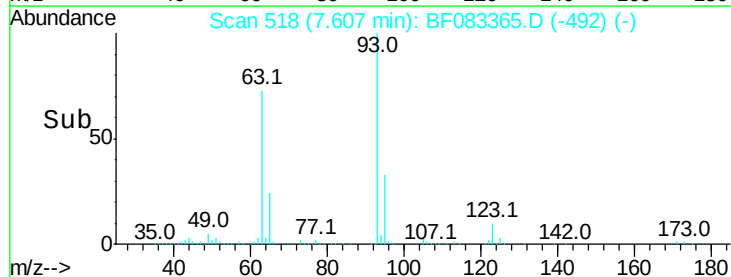
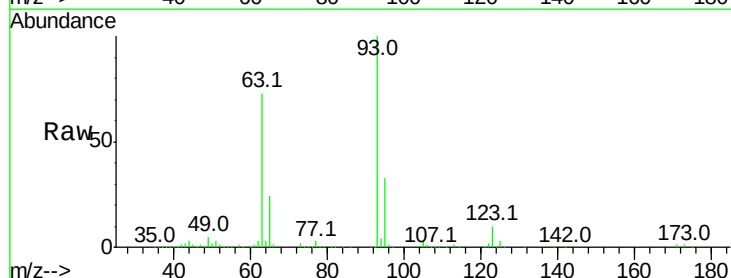
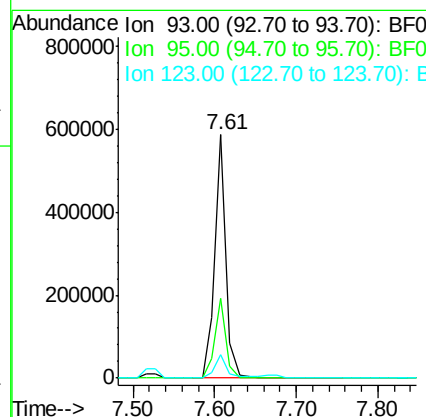
RT: 7.61 min Scan# 518

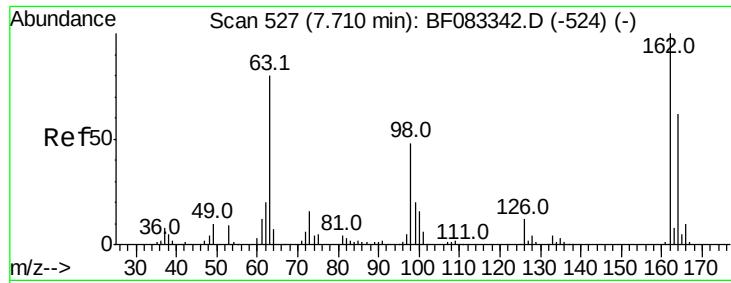
Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Tgt Ion:	93	Resp:	573902
Ion Ratio	Lower	Upper	
93	100		
95	32.8	26.1	39.1
123	9.8	7.4	11.0





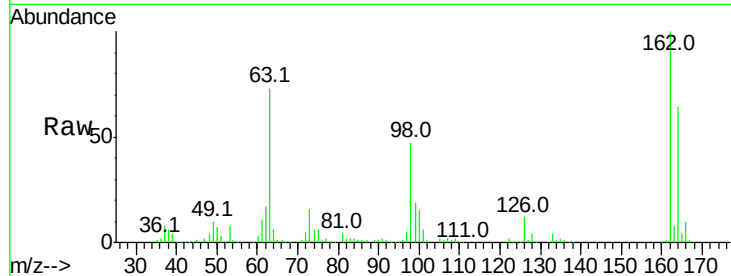
#29
 2,4-Dichlorophenol
 Concen: 37.03 ng
 RT: 7.71 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: BF083365.D
 Acq: 1 Dec 2015 6:47

Instrument :
 BNA_F
 ClientSampleId :
 PB86904BS

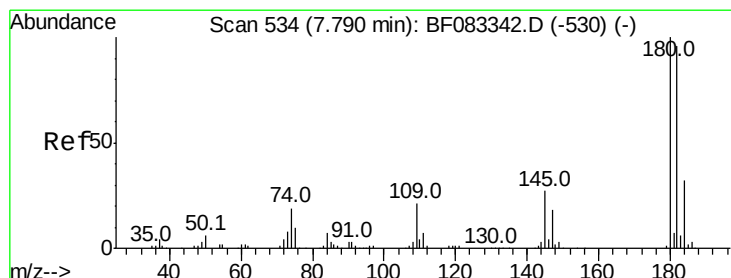
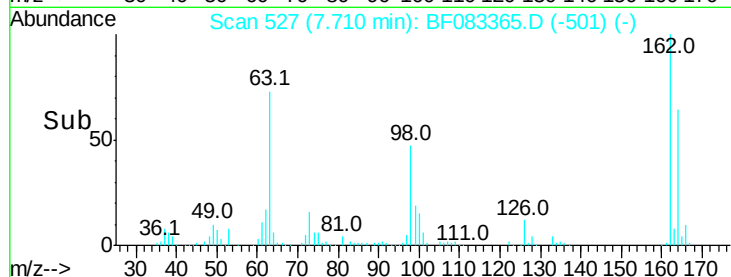
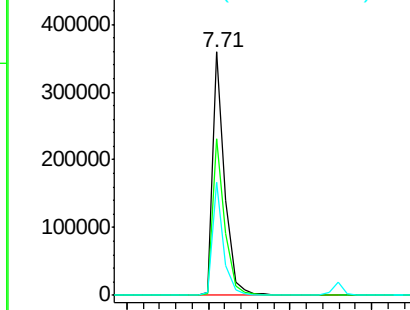
Tot Ion:	162	Resp:	371509
Ion Ratio	Lower	Upper	
162	100		
164	64.1	41.9	81.9
98	46.5	28.1	68.1

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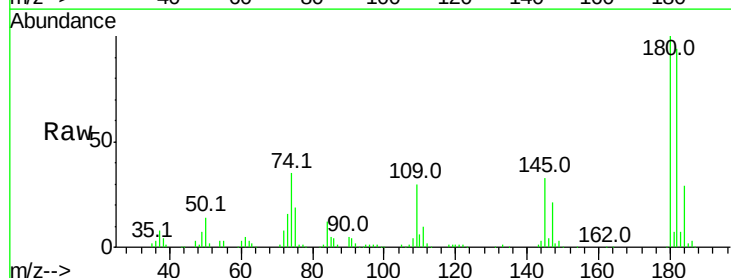


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

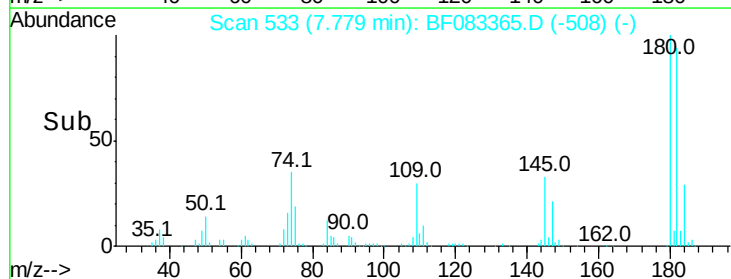
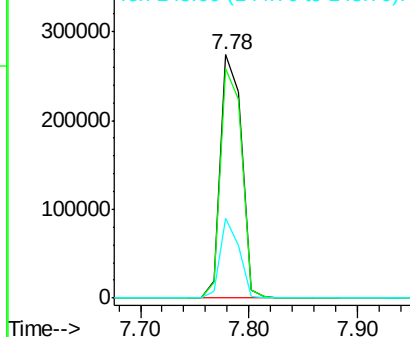


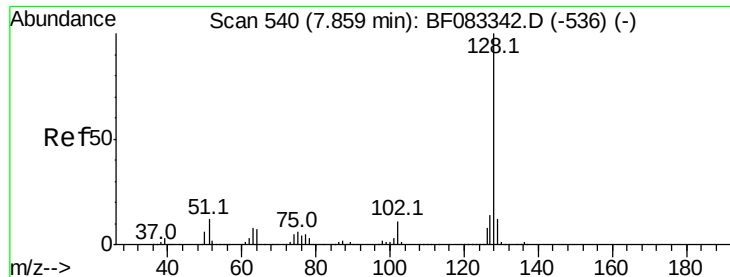
#30
 1,2,4-Trichlorobenzene
 Concen: 33.90 ng
 RT: 7.78 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: BF083365.D
 Acq: 1 Dec 2015 6:47

Tgt Ion:	180	Resp:	370187
Ion Ratio	Lower	Upper	
180	100		
182	94.2	77.2	115.8
145	32.6	21.4	32.2#



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





#31

Naphthalene

Concen: 35.44 ng

RT: 7.86 min Scan# 540

Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Instrument :

BNA_F

ClientSampleId :

PB86904BS

Tot Ion:128 Resp: 1206535

Ion Ratio Lower Upper

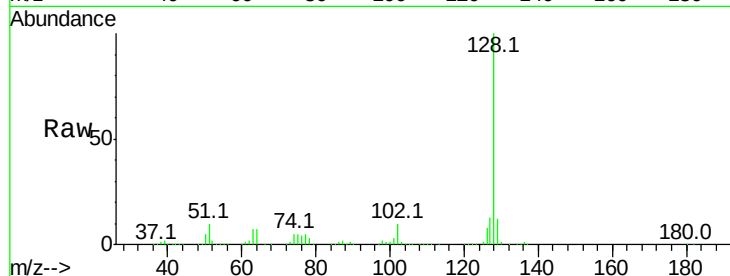
128 100

129 11.7 9.7 14.5

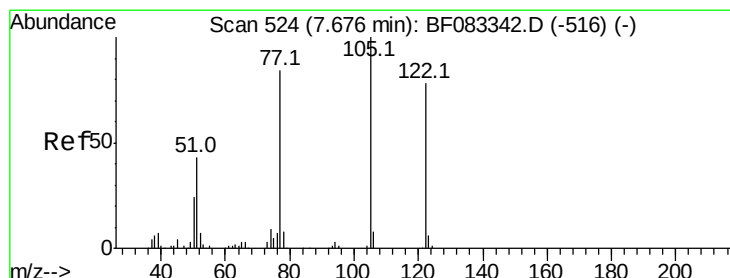
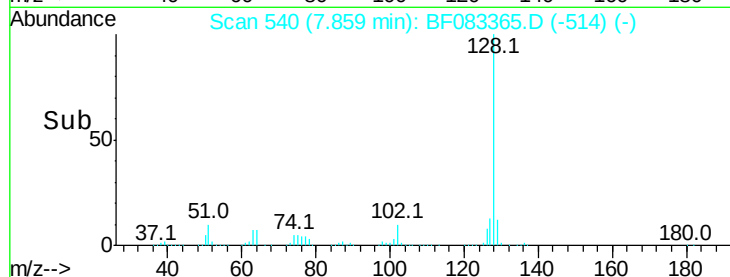
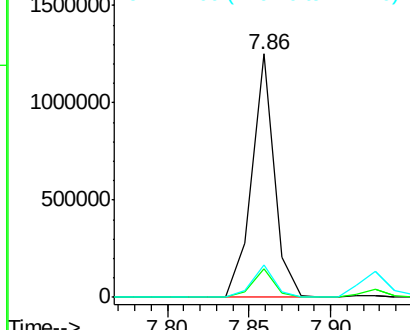
127 13.4 11.0 16.4

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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: 35.70 ng

RT: 7.68 min Scan# 524

Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

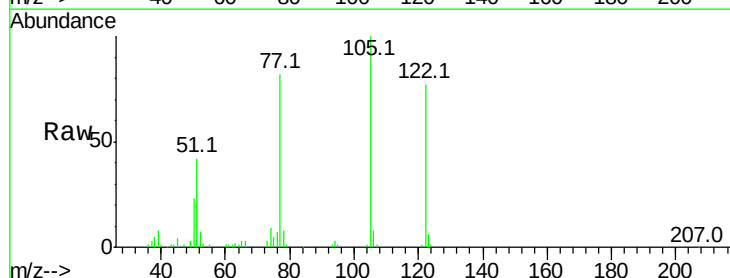
Tgt Ion:122 Resp: 256859

Ion Ratio Lower Upper

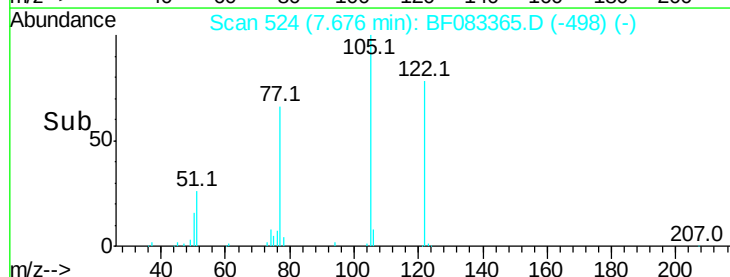
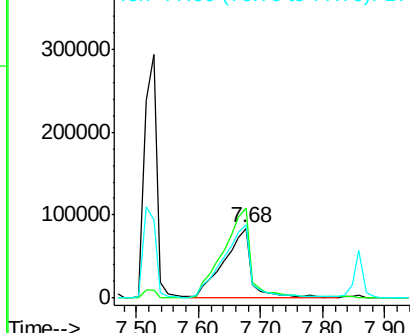
122 100

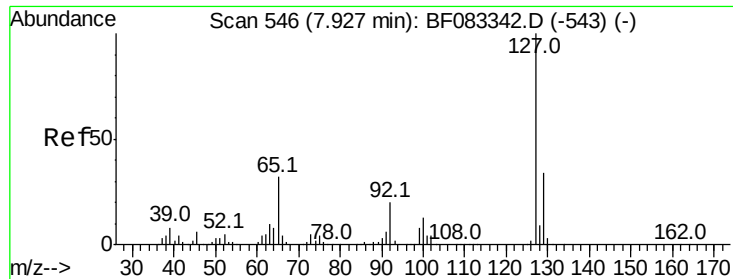
105 129.1 106.0 146.0

77 105.5 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





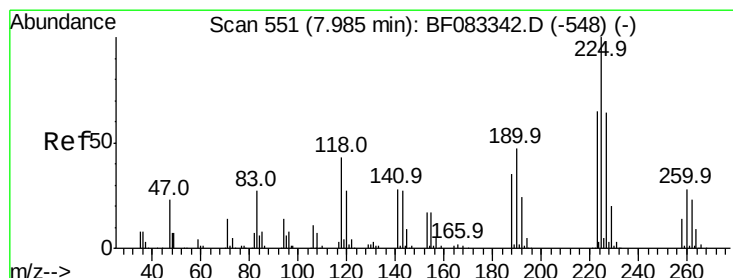
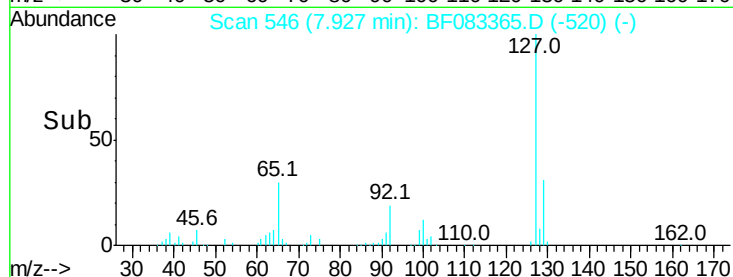
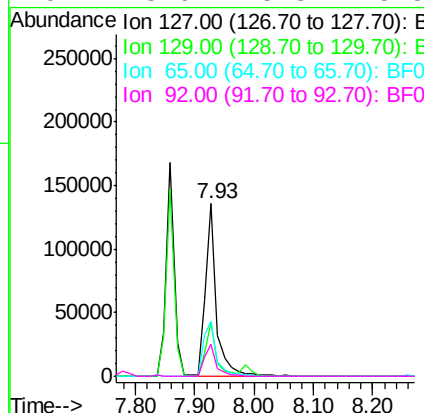
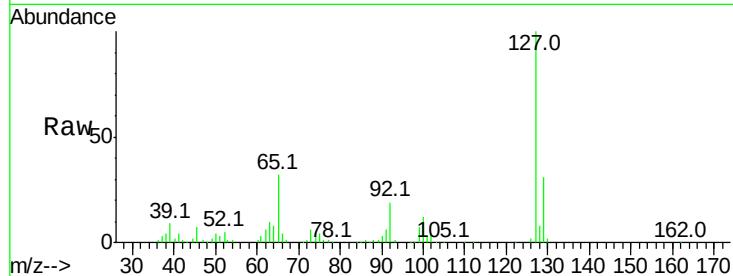
#33
4-Chloroaniline
Concen: 12.33 ng
RT: 7.93 min Scan# 546
Delta R.T. -0.00 min
Lab File: BF083365.D
Acq: 1 Dec 2015 6:47

Instrument :
BNA_F
ClientSampleId :
PB86904BS

Tot Ion	Ratio	Resp Lower	Upper
127	100		
129	31.5	27.0	40.4
65	32.0	25.9	38.9
92	18.6	15.8	23.8

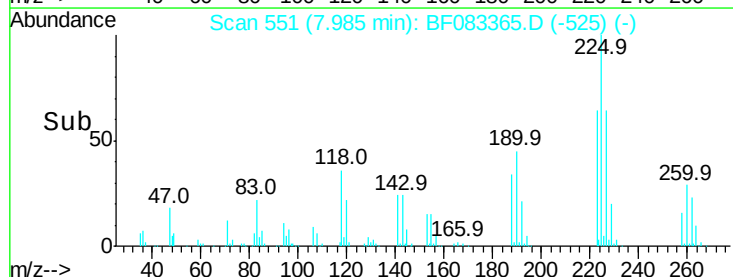
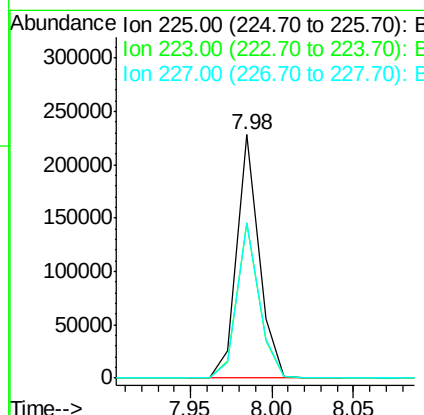
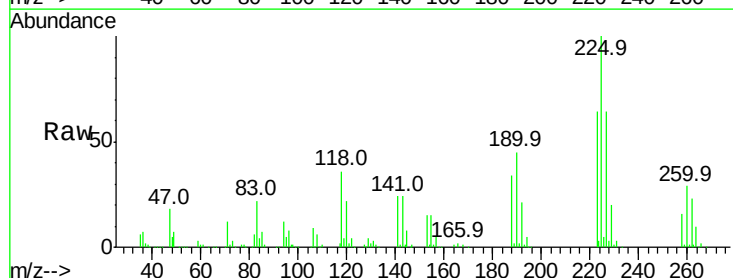
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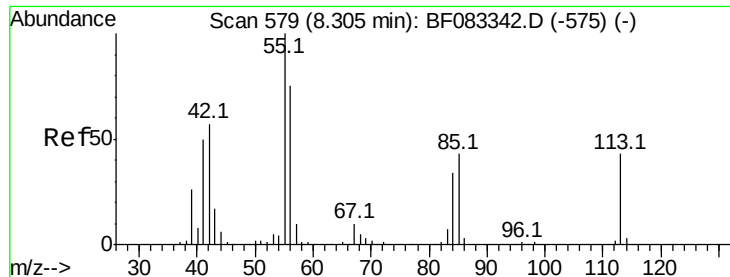
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#34
Hexachlorobutadiene
Concen: 34.44 ng
RT: 7.98 min Scan# 551
Delta R.T. -0.00 min
Lab File: BF083365.D
Acq: 1 Dec 2015 6:47

Tgt Ion	Ratio	Resp Lower	Upper
225	100		
223	63.8	52.0	78.0
227	63.6	51.1	76.7





#35

Caprolactam

Concen: 40.00 ng/mL

RT: 8.30 min Scan# 579

Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Instrument :

BNA_F

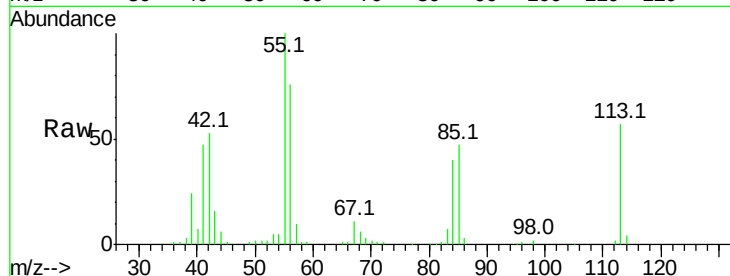
ClientSampleID :

PB86904BS

Tot Ion:	113	Resp:	126804
Ion Ratio	Lower	Upper	
113	100		
55	175.9	211.6	251.6#
56	134.3	153.0	193.0#

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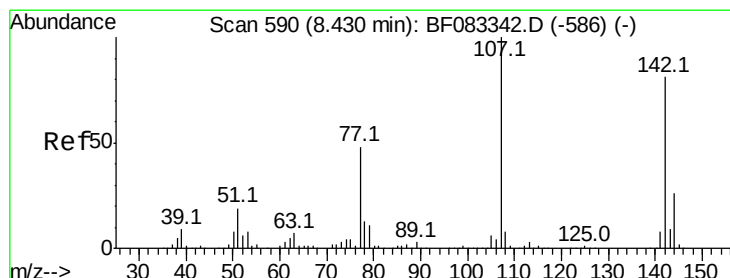
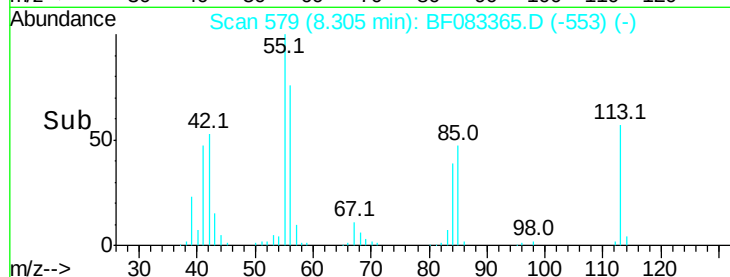
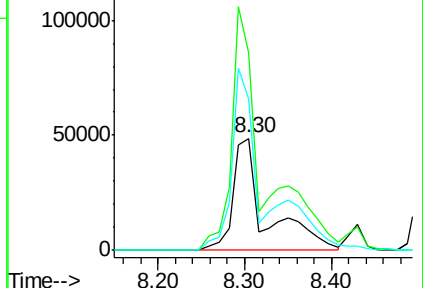
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 38.67 ng/mL

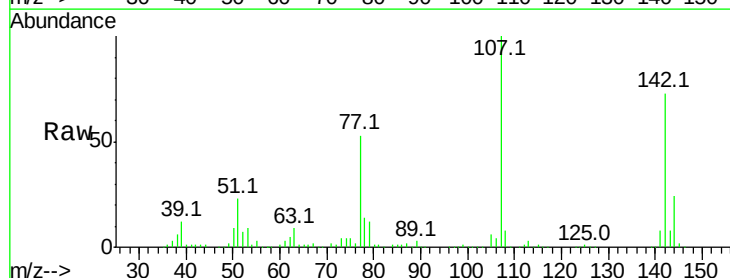
RT: 8.43 min Scan# 590

Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

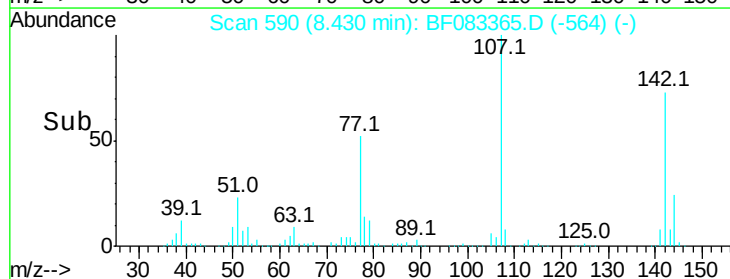
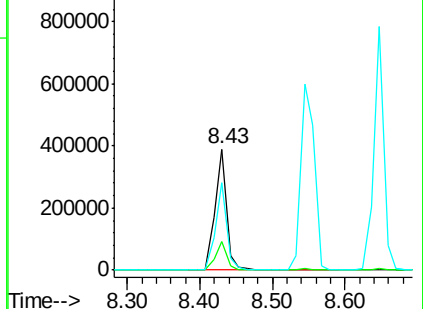
Tgt Ion:	107	Resp:	435061
Ion Ratio	Lower	Upper	
107	100		
144	23.7	21.1	31.7
142	72.8	65.1	97.7

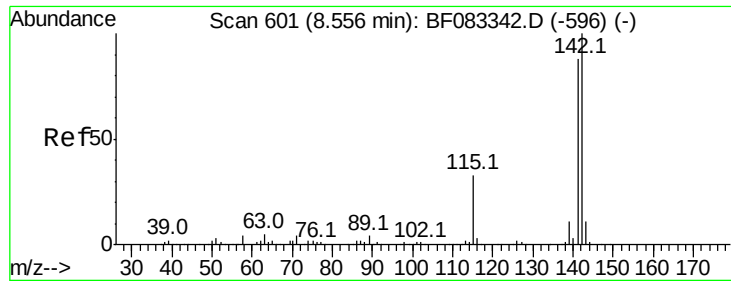


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 33.99 ng

RT: 8.54 min Scan# 600

Delta R.T. -0.01 min

Lab File: BF083365.D

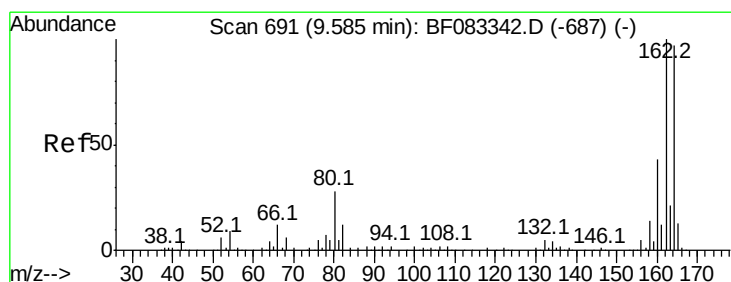
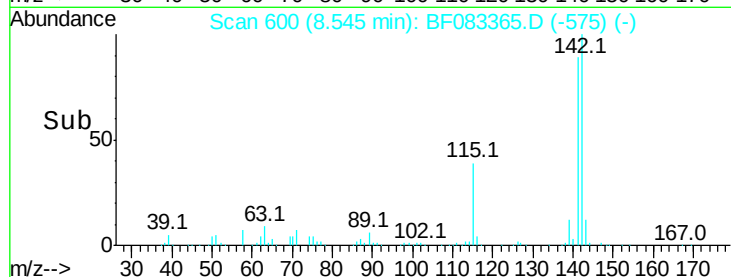
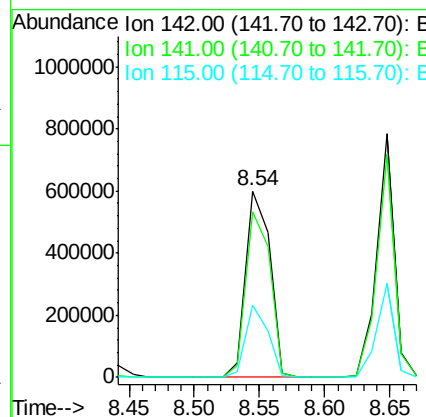
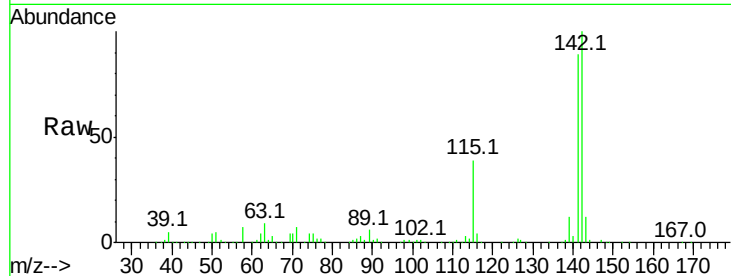
Acq: 1 Dec 2015 6:47

Instrument :
BNA_F
ClientSampleId :
PB86904BS

Tot Ion	Ratio	Resp	Lower	Upper
142	100	773352		
141	89.2		70.6	105.8
115	38.7		26.2	39.2

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#38

Acenaphthene-d10

Concen: 20.00 ng

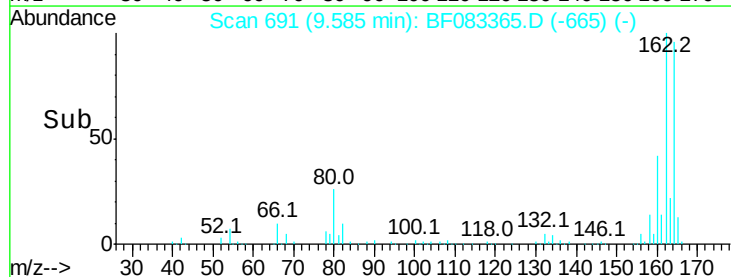
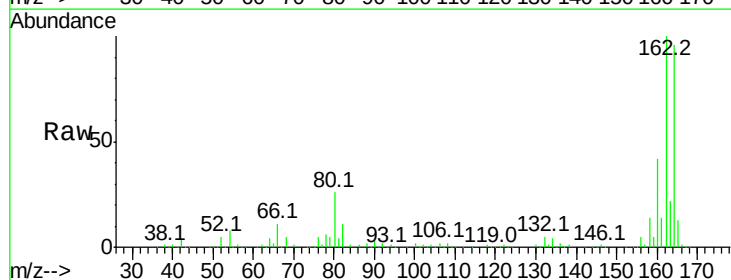
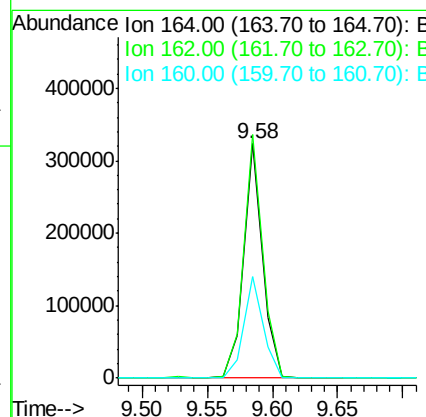
RT: 9.58 min Scan# 691

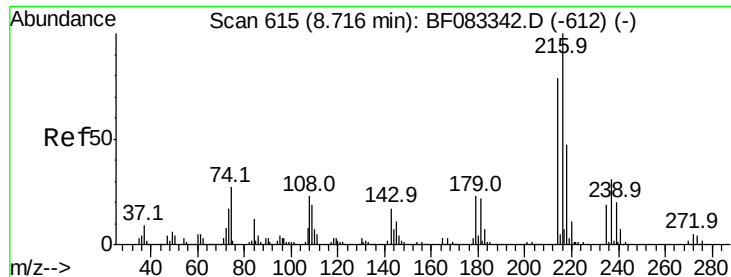
Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	323508		
162	104.0		82.6	123.8
160	43.3		35.3	52.9





#39

1,2,4,5-Tetrachlorobenzene

Concen: 33.28 ng

RT: 8.72 min Scan# 615

Delta R.T. -0.00 min

Lab File: BF083365.D

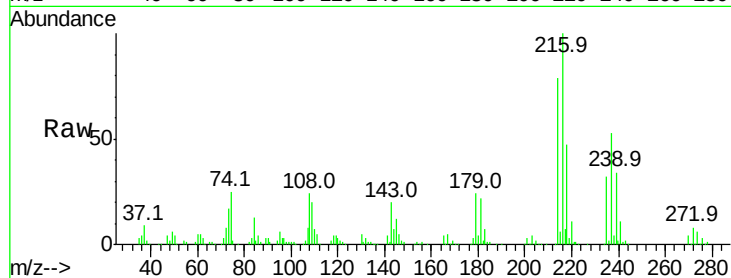
Acq: 1 Dec 2015 6:47

Instrument :

BNA_F

ClientSampleId :

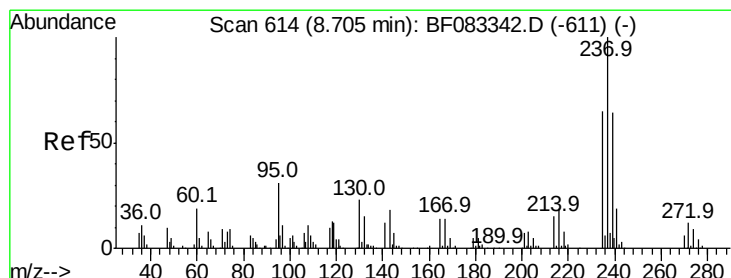
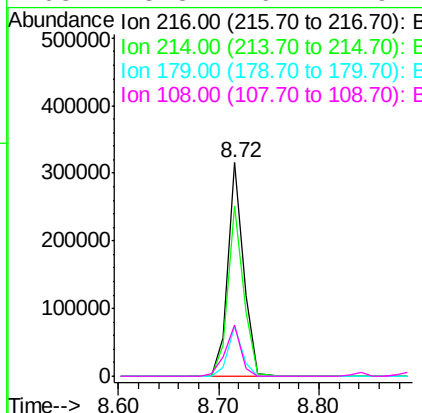
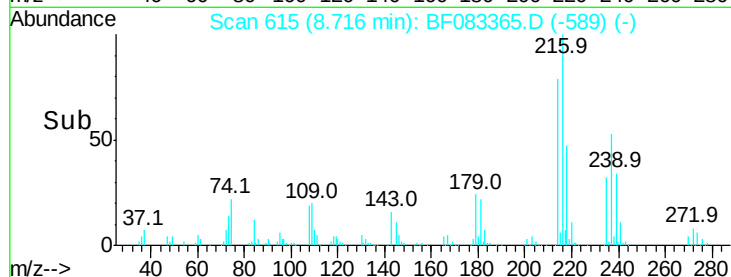
PB86904BS



Tot Ion	Ratio	Resp	Lower	Upper
216	100	341335		
214	79.8	62.3	93.5	
179	21.9	17.0	25.4	
108	23.8	16.7	25.1	

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#40

Hexachlorocyclopentadiene

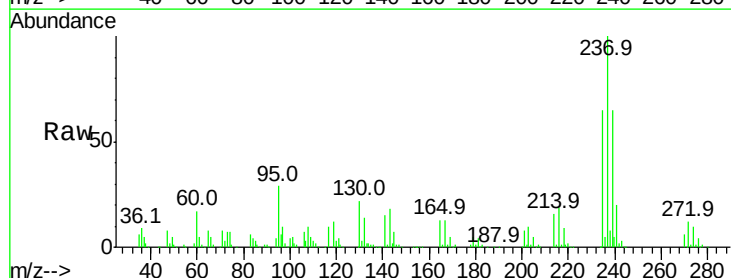
Concen: 70.86 ng

RT: 8.70 min Scan# 614

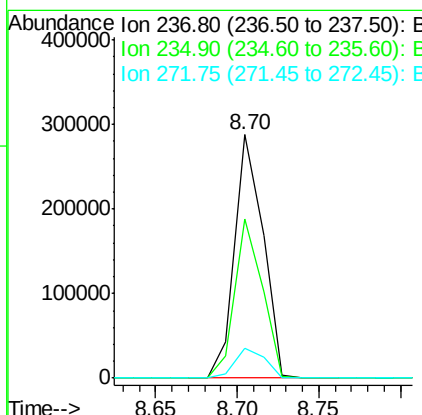
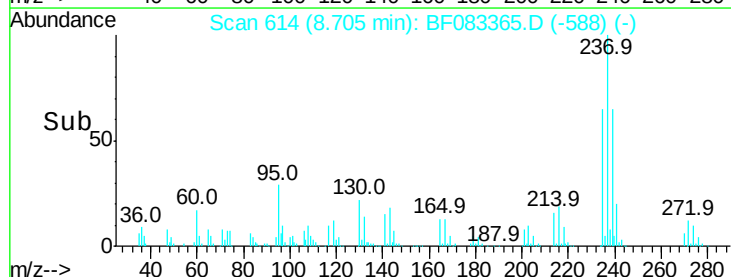
Delta R.T. 0.00 min

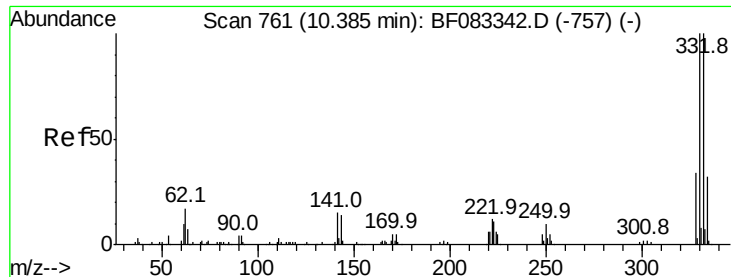
Lab File: BF083365.D

Acq: 1 Dec 2015 6:47



Tgt Ion	Ratio	Resp	Lower	Upper
237	100	345172		
235	65.2	44.5	84.5	
272	12.1	0.0	31.6	





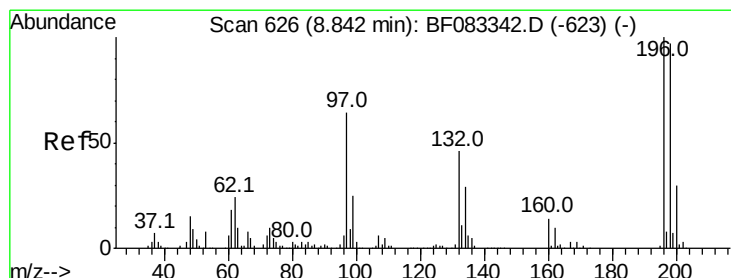
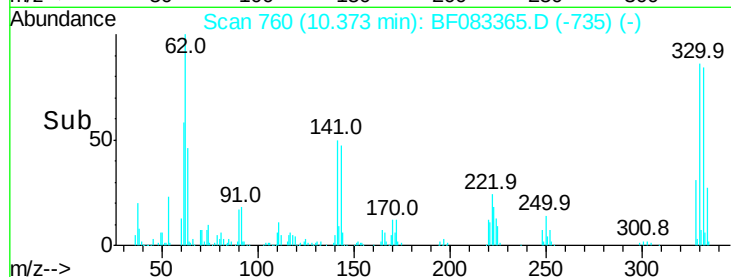
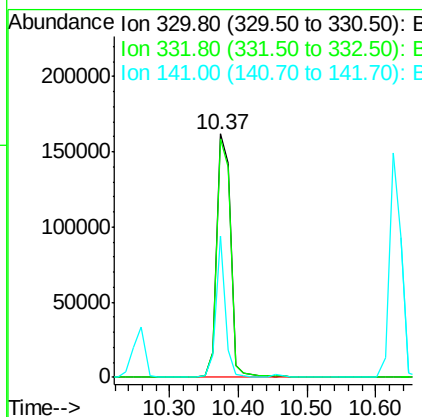
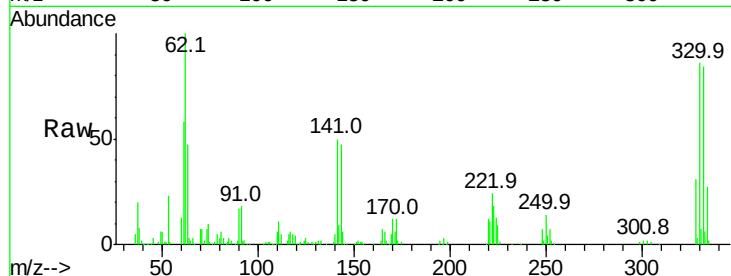
#41
 2,4,6-Tribromophenol
 Concen: 71.99 ng
 RT: 10.37 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BF083365.D
 Acq: 1 Dec 2015 6:47

Instrument :
 BNA_F
 ClientSampled :
 PB86904BS

Tot Ion	Ratio	Resp	Lower	Upper
330	100	233779		
332	97.8		77.8	116.6
141	38.3		29.4	44.0

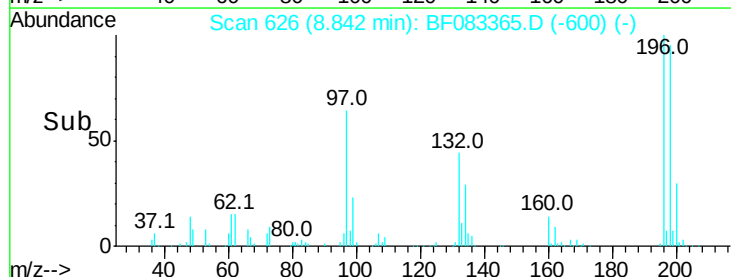
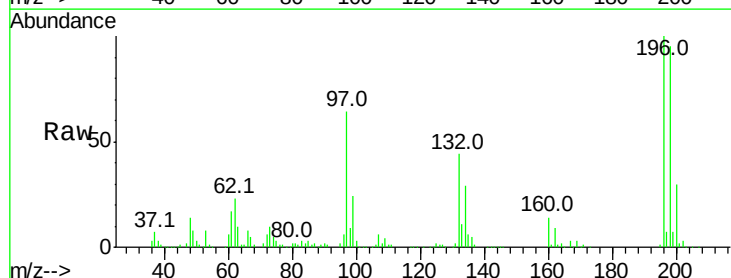
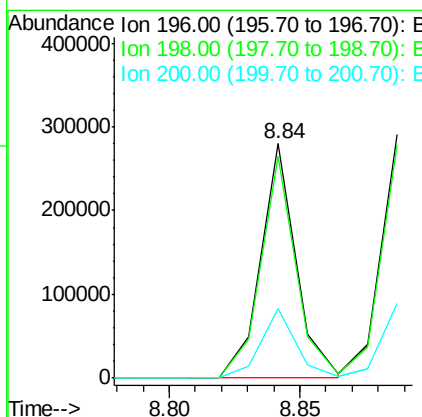
Manual Integrations
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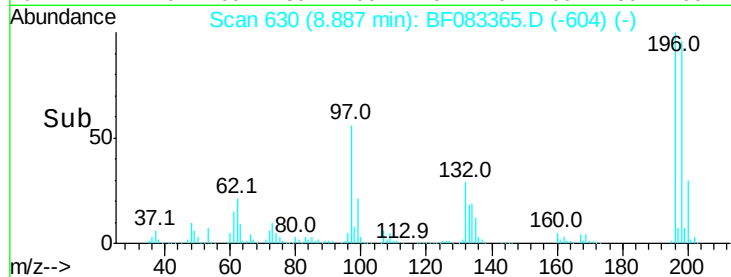
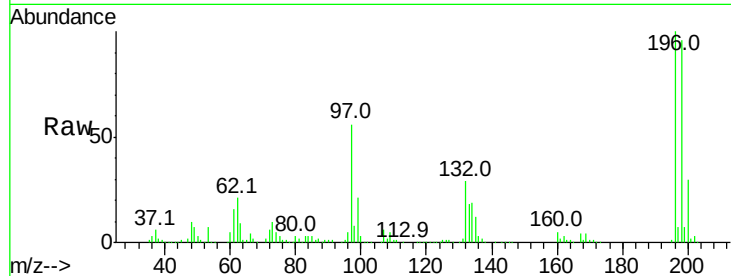
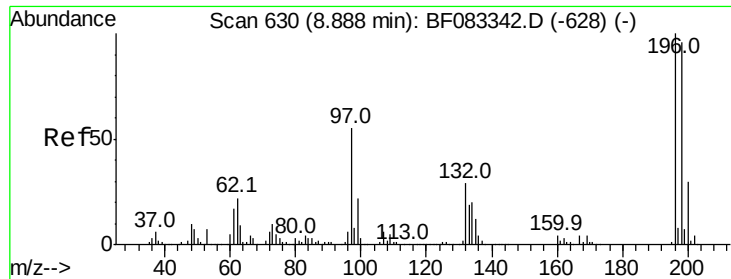
Mmdadoda
 12/1/2015 6:35:19 PM



#42
 2,4,6-Trichlorophenol
 Concen: 36.86 ng
 RT: 8.84 min Scan# 626
 Delta R.T. -0.00 min
 Lab File: BF083365.D
 Acq: 1 Dec 2015 6:47

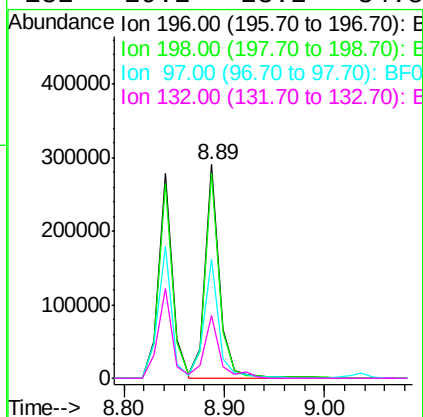
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	265115		
198	94.6		77.2	115.8
200	29.8		24.2	36.4





#43
2,4,5-Trichlorophenol
Concen: 38.67 ng
RT: 8.89 min Scan# 630
Delta R.T. -0.00 min
Lab File: BF083365.D
Acq: 1 Dec 2015 6:47

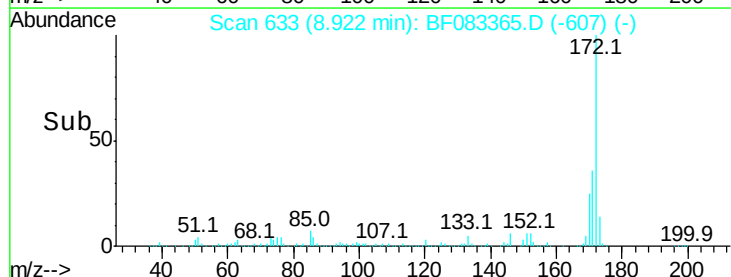
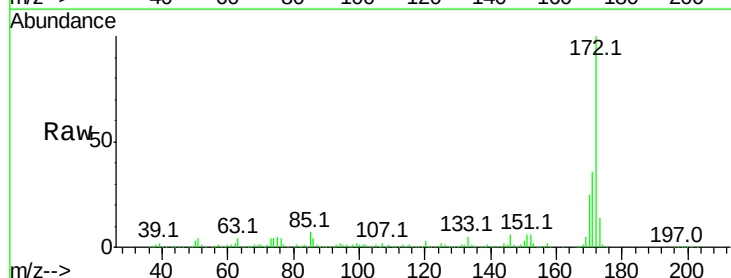
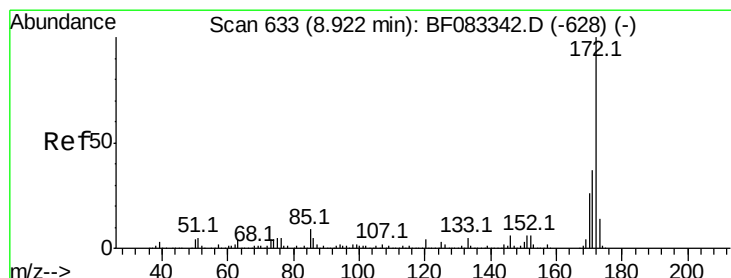
Tot Ion	Ratio	Resp	Lower	Upper
196	100	288187		
198	96.0	77.2	115.8	
97	55.7	44.4	66.6	
132	29.2	23.2	34.8	



Instrument :
BNA_F
ClientSampleId :
PB86904BS

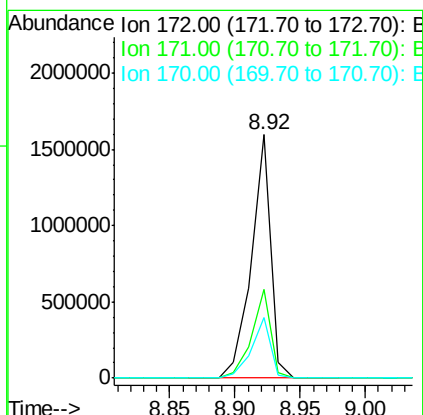
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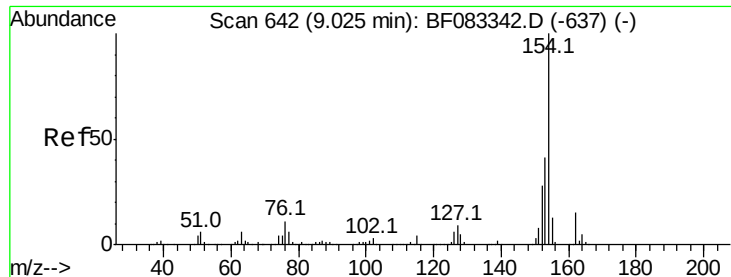
Mmdadoda
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#44
2-Fluorobiphenyl
Concen: 72.82 ng
RT: 8.92 min Scan# 633
Delta R.T. -0.00 min
Lab File: BF083365.D
Acq: 1 Dec 2015 6:47

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1653150		
171	36.4	29.4	44.0	
170	25.1	20.4	30.6	





#45

1,1'-Biphenyl

Concen: 32.98 ng

RT: 9.01 min Scan# 641

Delta R.T. -0.01 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Instrument :

BNA_F

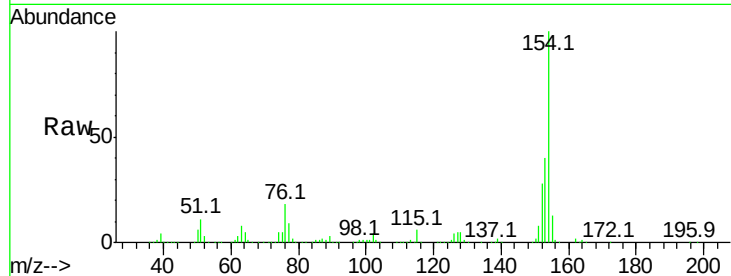
ClientSampleId :

PB86904BS

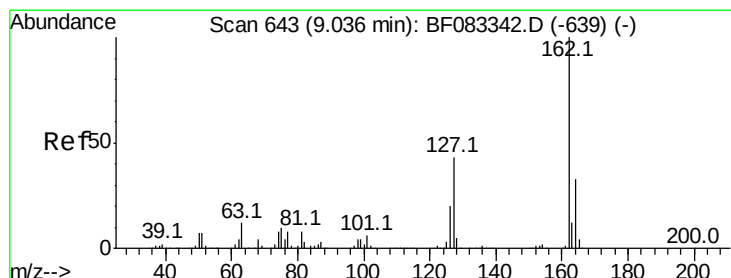
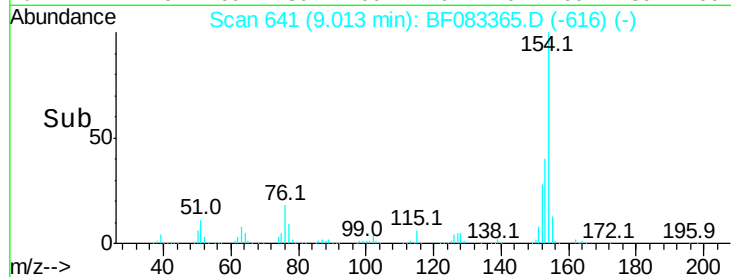
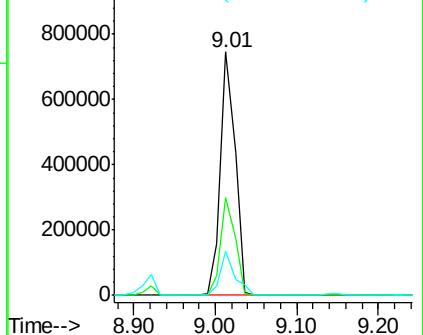
Tot Ion:	154	Resp:	935648
Ion Ratio	Lower	Upper	
154	100		
153	40.1	20.6	60.6
76	18.1	0.0	30.5

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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: 36.68 ng

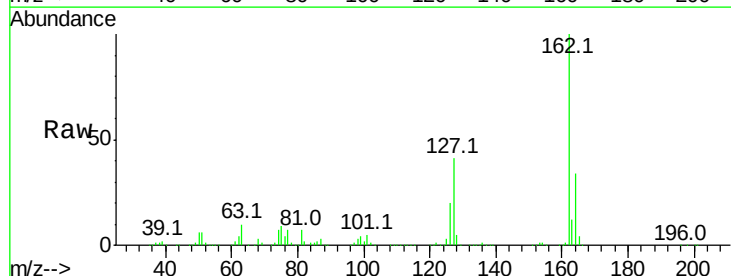
RT: 9.04 min Scan# 643

Delta R.T. -0.00 min

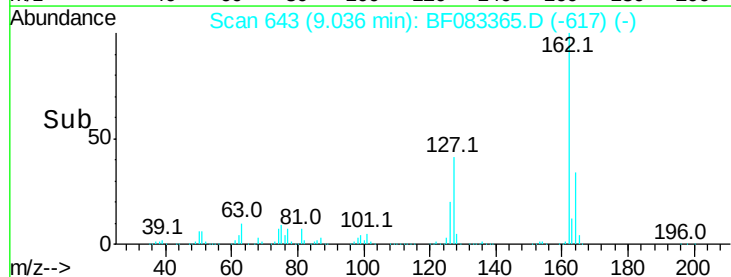
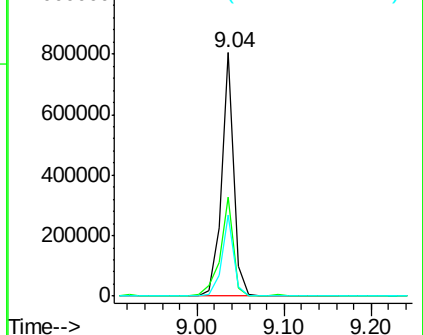
Lab File: BF083365.D

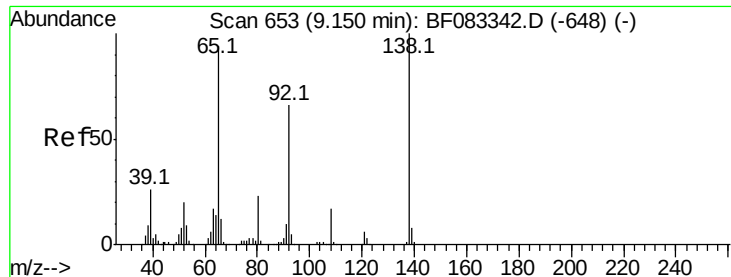
Acq: 1 Dec 2015 6:47

Tgt Ion:	162	Resp:	792869
Ion Ratio	Lower	Upper	
162	100		
127	40.8	34.1	51.1
164	33.5	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: 35.08 ng

RT: 9.15 min Scan# 653

Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Instrument :

BNA_F

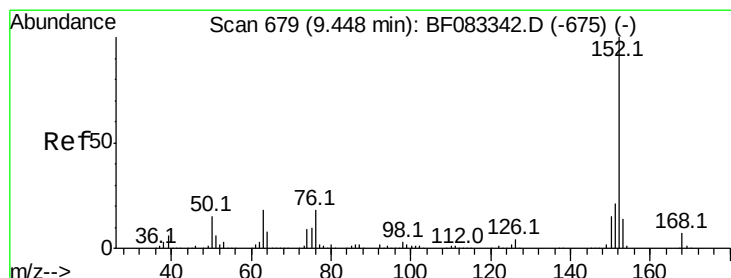
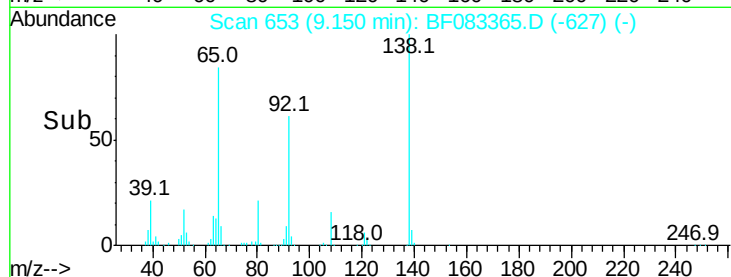
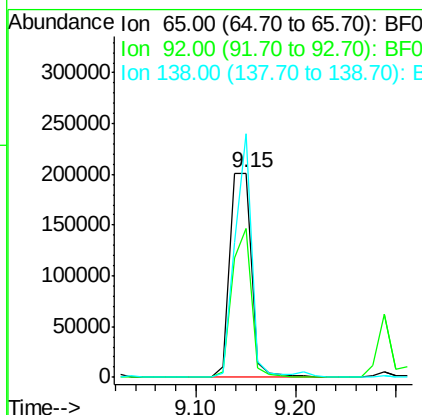
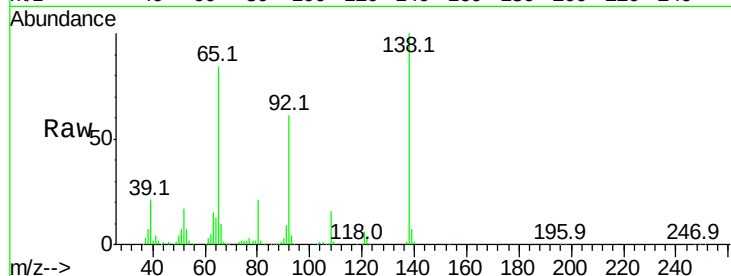
ClientSampleId :

PB86904BS

Tot Ion:	65	Resp:	300374
Ion Ratio	Lower	Upper	
65	100		
92	72.8	56.2	84.4
138	119.4	85.4	128.0

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#48

Acenaphthylene

Concen: 35.47 ng

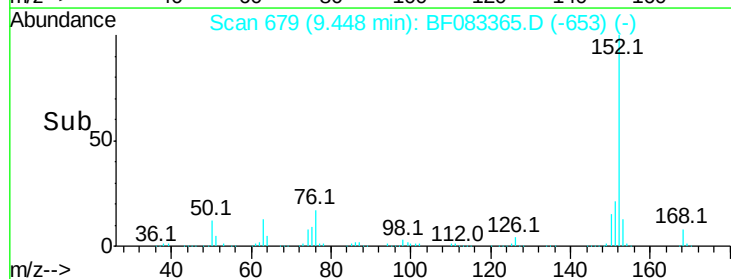
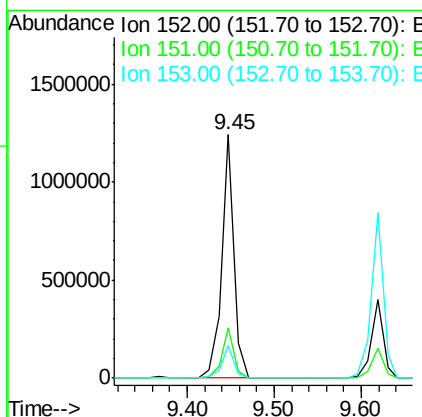
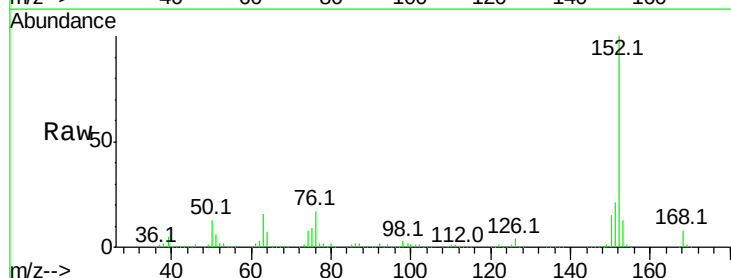
RT: 9.45 min Scan# 679

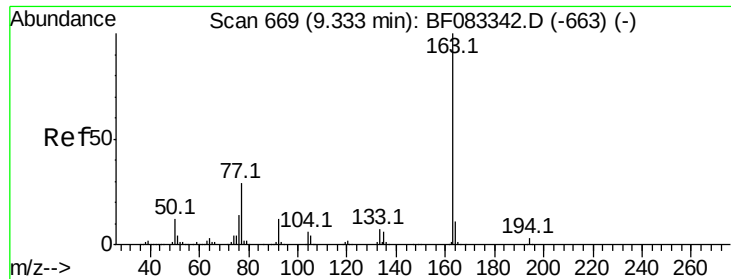
Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Tgt Ion:	152	Resp:	1223121
Ion Ratio	Lower	Upper	
152	100		
151	20.8	16.7	25.1
153	13.5	11.2	16.8





#49

Dimethylphthalate

Concen: 35.05 ng

RT: 9.33 min Scan# 669

Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Instrument :

BNA_F

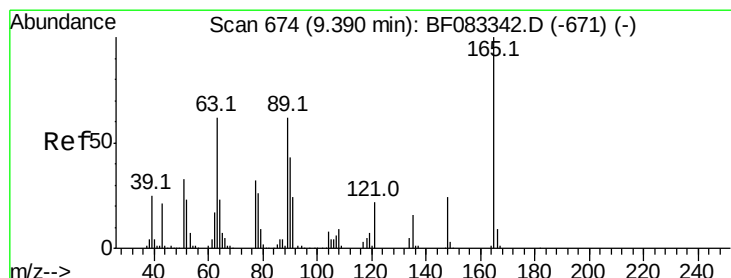
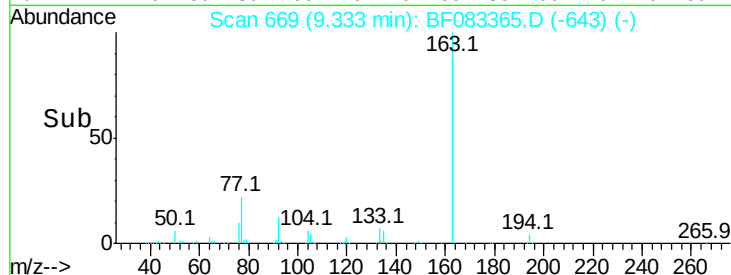
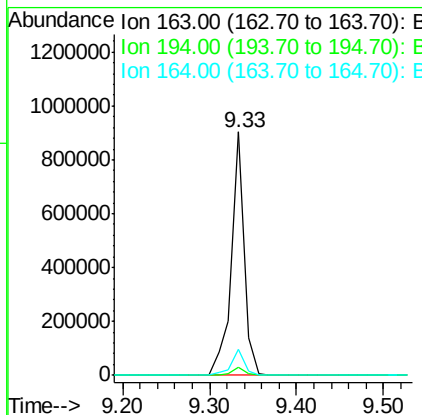
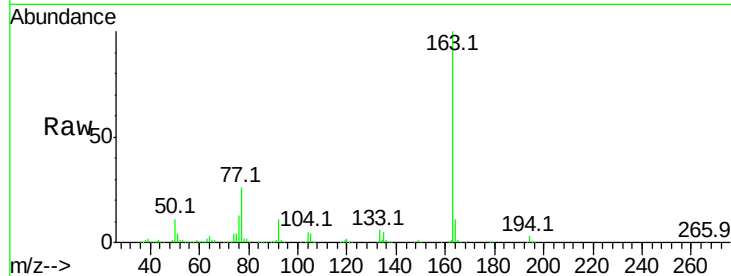
ClientSampleId :

PB86904BS

Tot Ion:	163	Resp:	921615
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.7	4.1
164	10.8	8.8	13.2

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#50

2,6-Dinitrotoluene

Concen: 38.00 ng

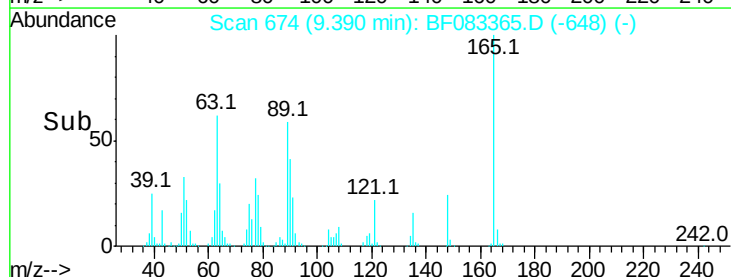
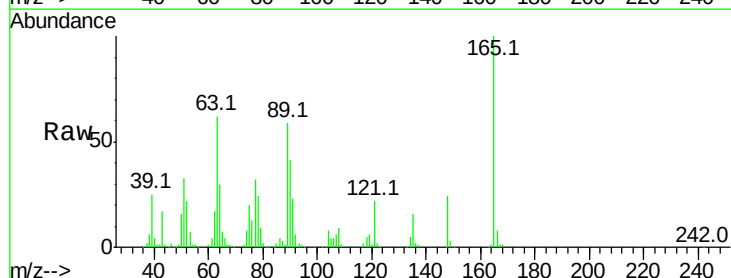
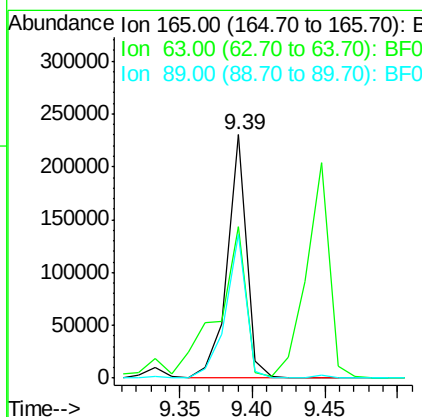
RT: 9.39 min Scan# 674

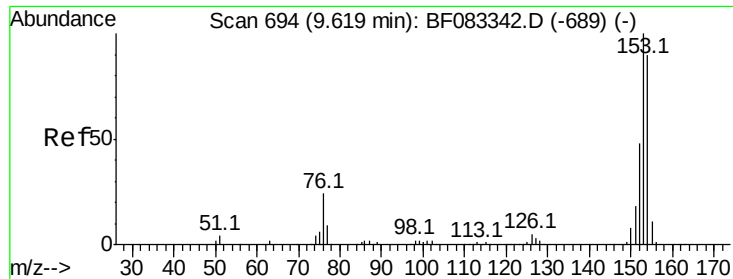
Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Tgt Ion:	165	Resp:	213369
Ion Ratio	Lower	Upper	
165	100		
63	62.0	56.0	84.0
89	58.9	49.8	74.8





#51

Acenaphthene

Concen: 35.58 ng

RT: 9.62 min Scan# 694

Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Instrument :

BNA_F

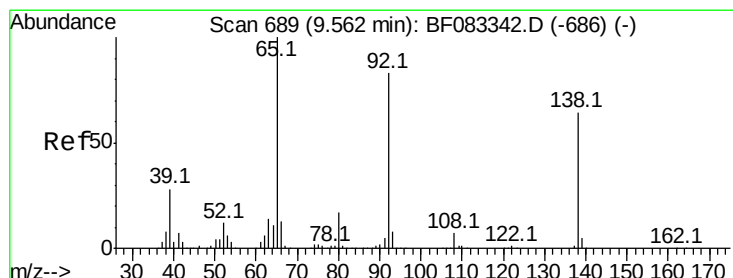
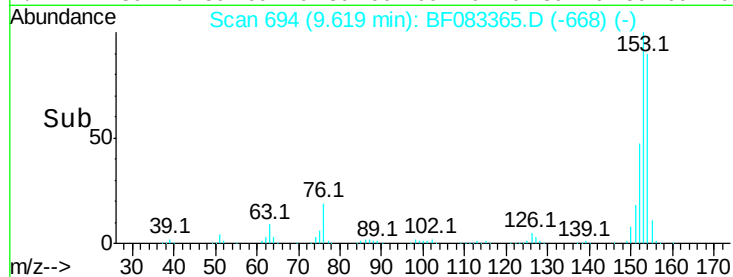
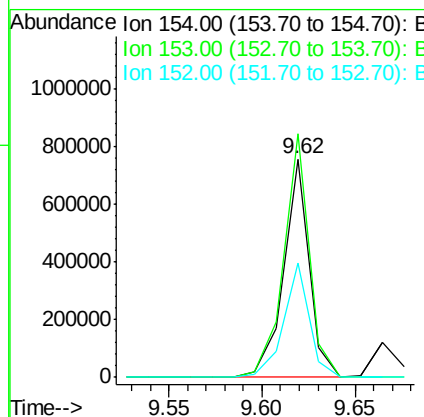
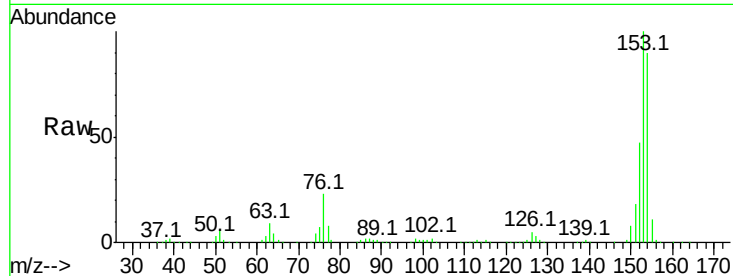
ClientSampled :

PB86904BS

Tot Ion:	154	Resp:	721747
Ion Ratio	Lower	Upper	
154	100		
153	111.5	89.3	133.9
152	52.6	42.5	63.7

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#52

3-Nitroaniline

Concen: 15.99 ng

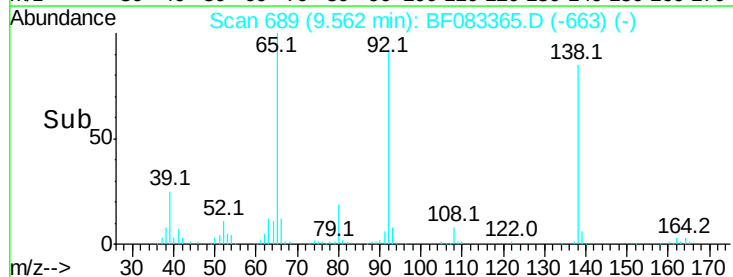
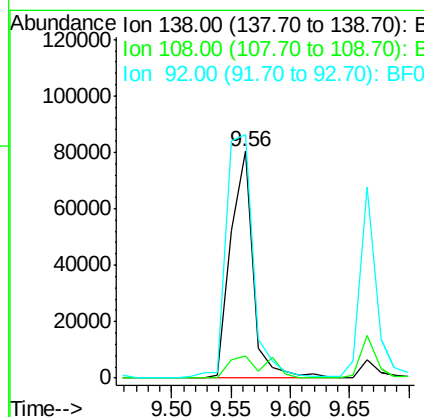
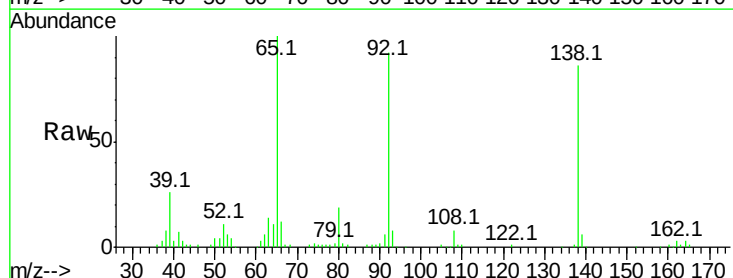
RT: 9.56 min Scan# 689

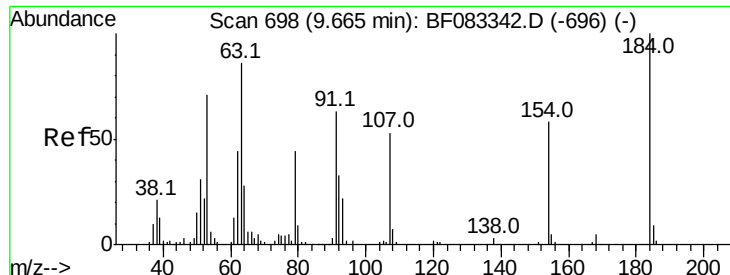
Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Tgt Ion:	138	Resp:	105213
Ion Ratio	Lower	Upper	
138	100		
108	9.7	8.4	12.6
92	107.4	104.2	156.4





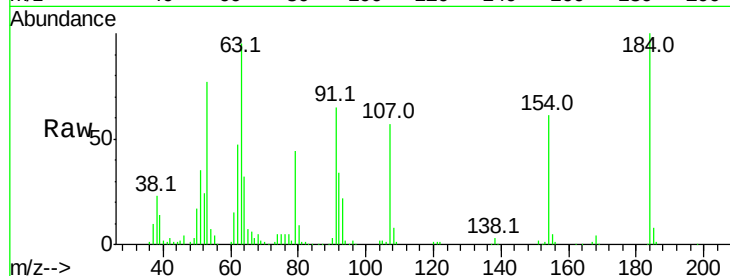
#53
2,4-Dinitrophenol
Concen: 67.32 ng
RT: 9.66 min Scan# 698
Delta R.T. 0.00 min
Lab File: BF083365.D
Acq: 1 Dec 2015 6:47

Instrument :
BNA_F
ClientSampleId :
PB86904BS

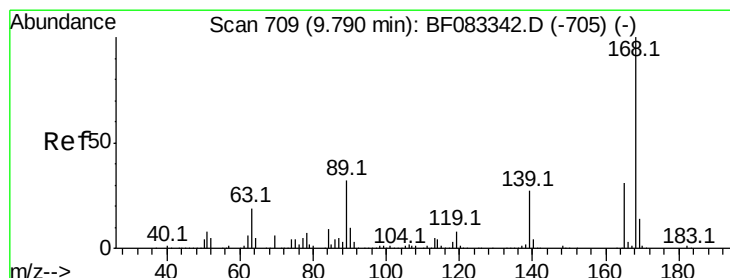
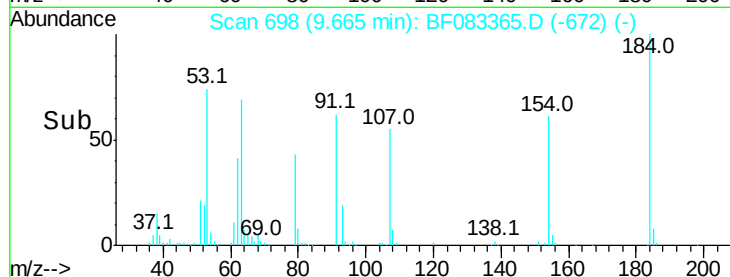
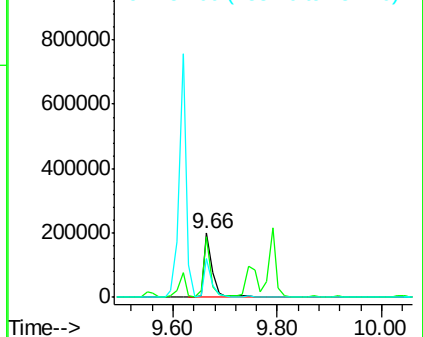
Tot Ion	Ratio	Resp	Lower	Upper
184	100			
63	95.4	69.0	103.6	
154	60.9	50.0	75.0	

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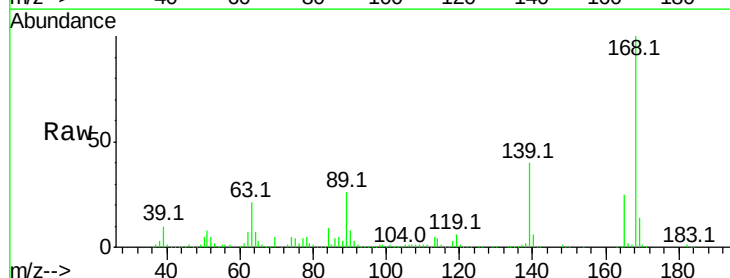


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

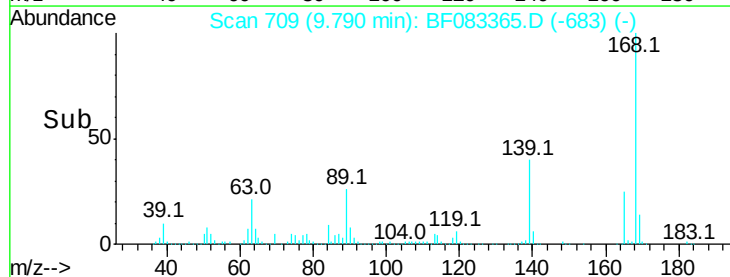
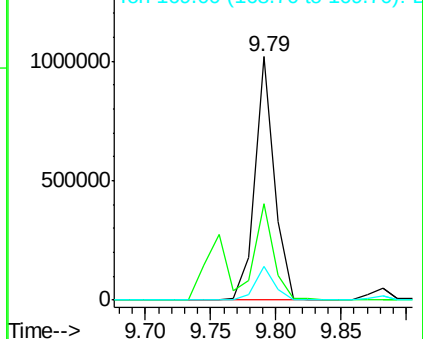


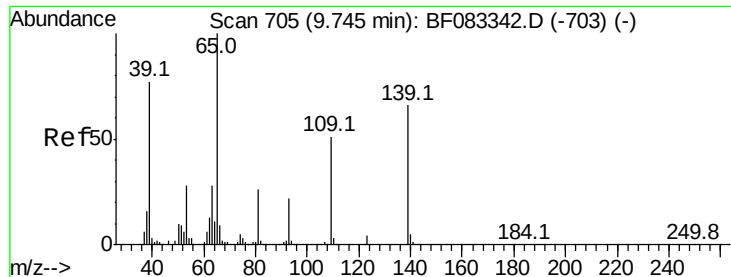
#54
Dibenzofuran
Concen: 35.74 ng
RT: 9.79 min Scan# 709
Delta R.T. -0.00 min
Lab File: BF083365.D
Acq: 1 Dec 2015 6:47

Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	39.7	32.7	49.1	
169	13.8	11.1	16.7	



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





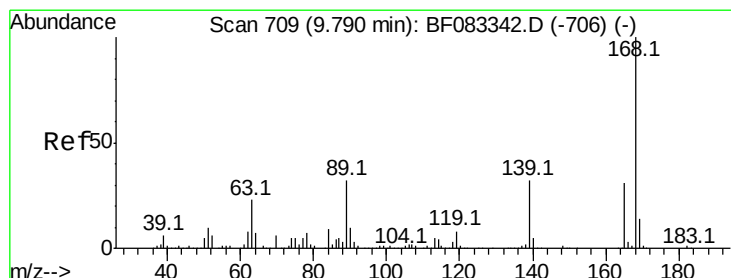
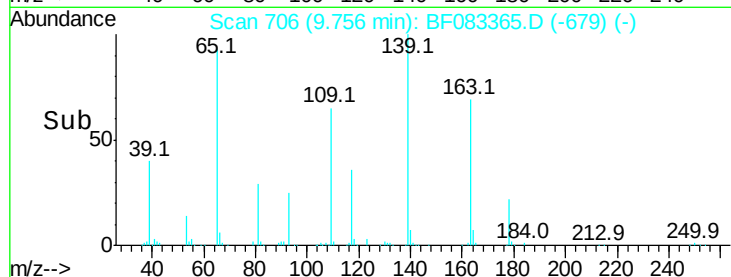
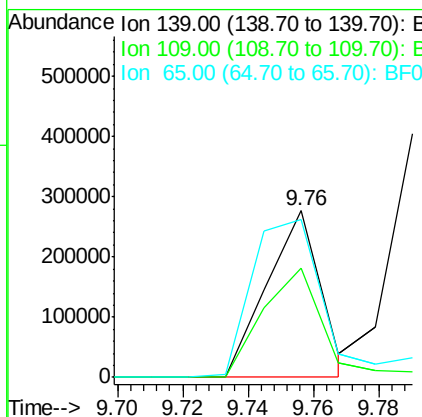
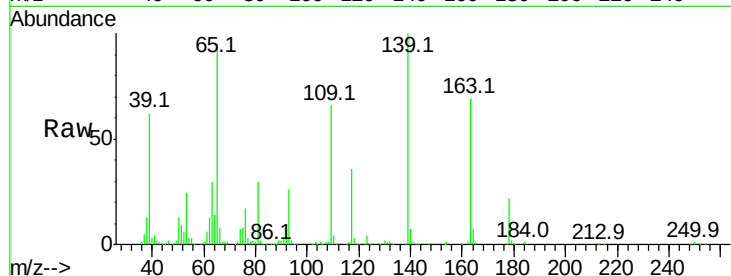
#55
4-Nitrophenol
Concen: 76.93 ng
RT: 9.76 min Scan# 706
Delta R.T. 0.01 min
Lab File: BF083365.D
Acq: 1 Dec 2015 6:47

Instrument :
BNA_F
ClientSampled :
PB86904BS

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	65.6	57.4	97.4	
65	94.5	131.6	171.6	#

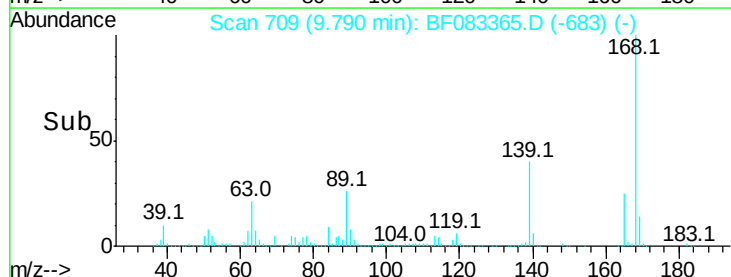
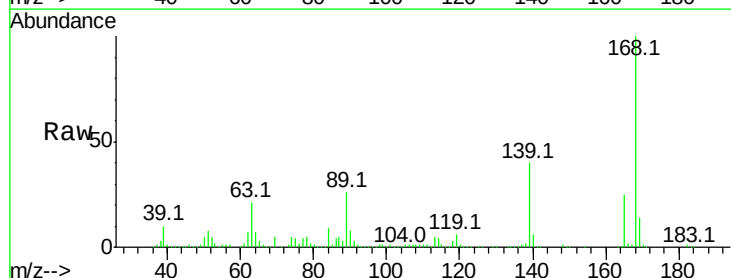
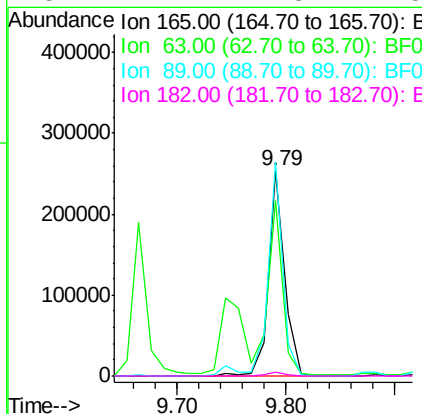
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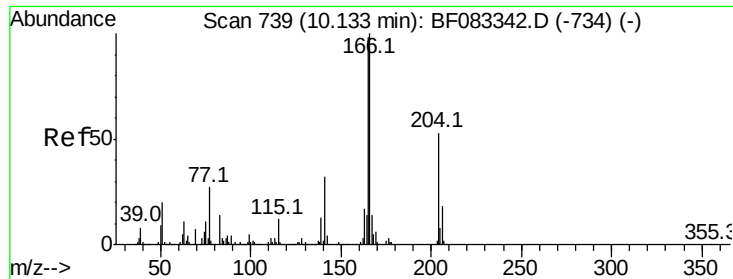
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#56
2,4-Dinitrotoluene
Concen: 36.76 ng
RT: 9.79 min Scan# 709
Delta R.T. -0.00 min
Lab File: BF083365.D
Acq: 1 Dec 2015 6:47

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	85.7	65.4	98.0	
89	104.0	81.2	121.8	
182	2.1	1.8	2.8	





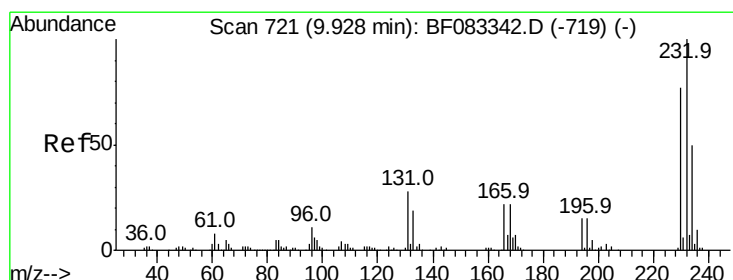
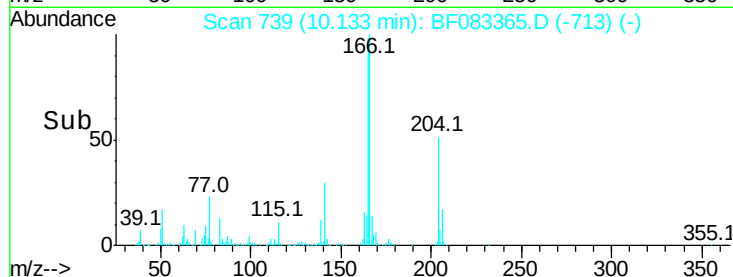
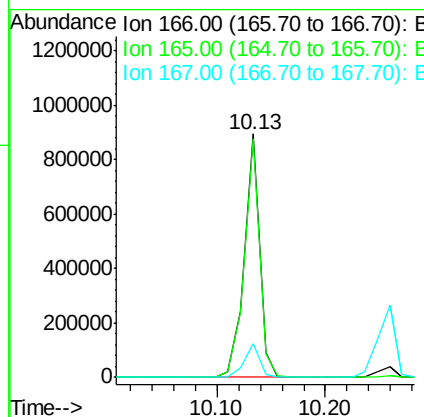
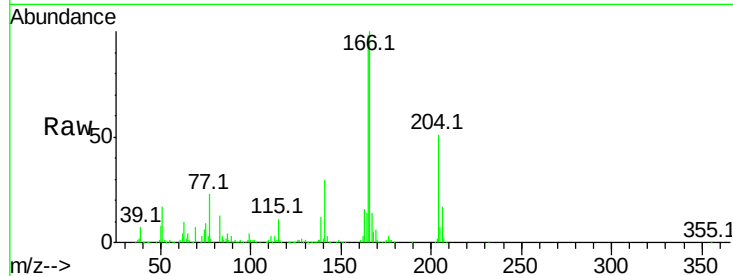
#57
Fluorene
Concen: 36.75 ng
RT: 10.13 min Scan# 739
Delta R.T. -0.00 min
Lab File: BF083365.D
Acq: 1 Dec 2015 6:47

Instrument :
BNA_F
ClientSampleId :
PB86904BS

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	97.7	78.3	117.5	
167	13.8	11.1	16.7	

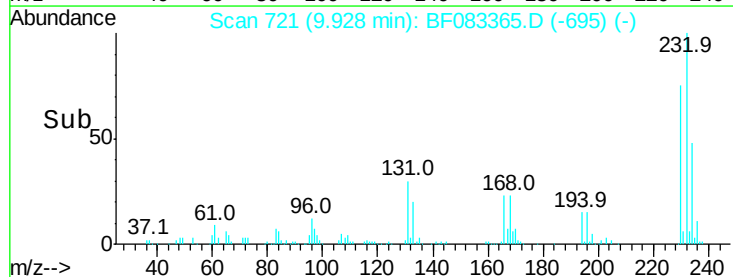
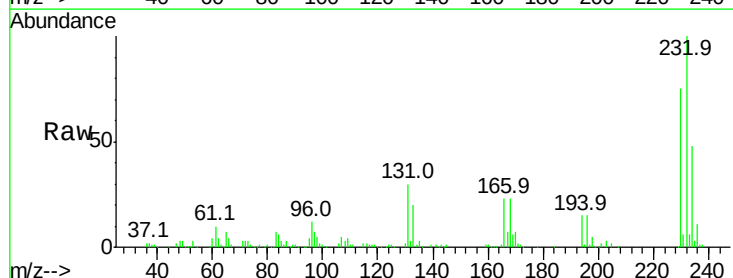
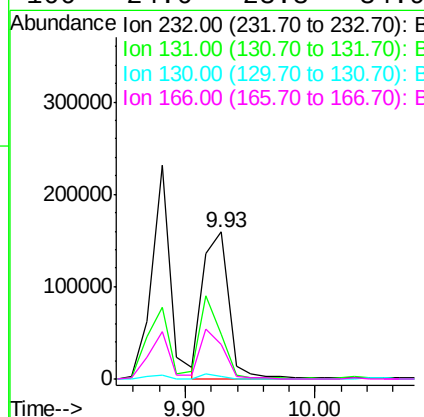
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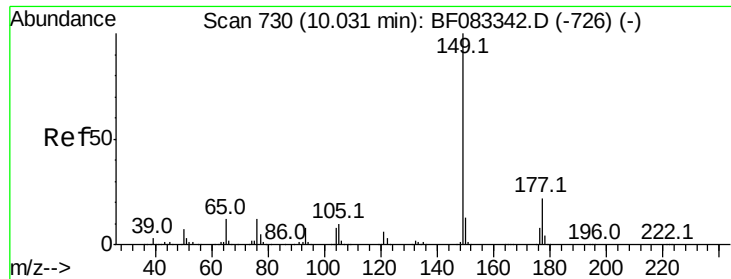
Mmdadoda
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#58
2,3,4,6-Tetrachlorophenol
Concen: 37.12 ng m
RT: 9.93 min Scan# 721
Delta R.T. -0.00 min
Lab File: BF083365.D
Acq: 1 Dec 2015 6:47

Tgt Ion	Ratio	Resp	Lower	Upper
232	100			
131	40.2	35.4	53.2	
130	2.3	1.7	2.5	
166	24.6	23.3	34.9	





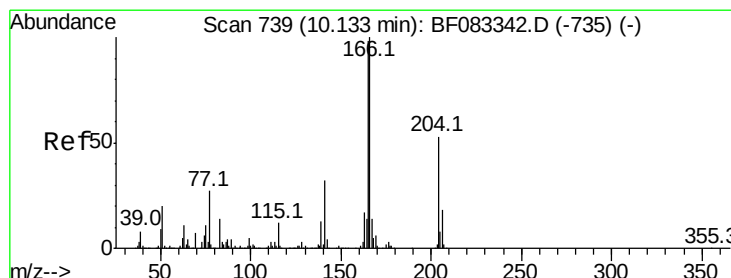
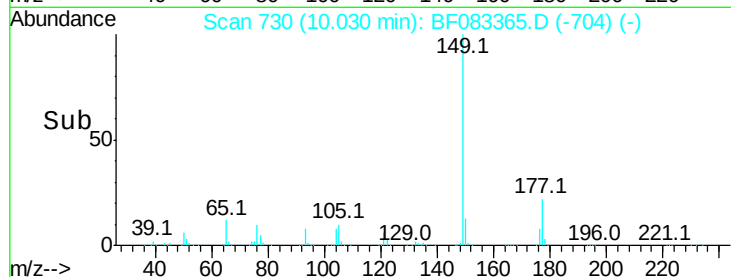
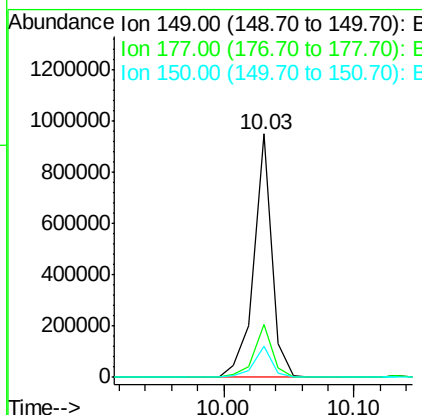
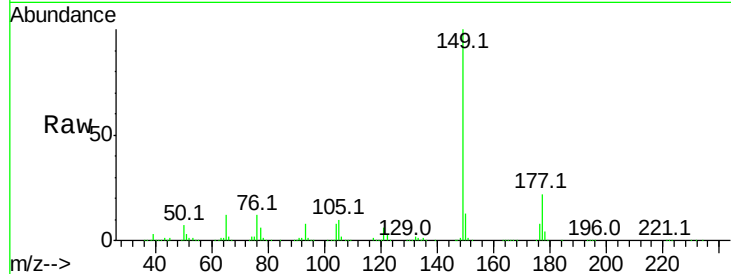
#59
Diethylphthalate
Concen: 36.66 ng
RT: 10.03 min Scan# 730
Delta R.T. -0.00 min
Lab File: BF083365.D
Acq: 1 Dec 2015 6:47

Instrument :
BNA_F
ClientSampleId :
PB86904BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	918785		
177	22.0		17.4	26.2
150	12.8		10.4	15.6

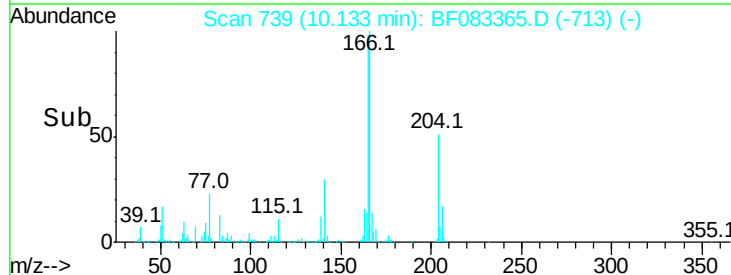
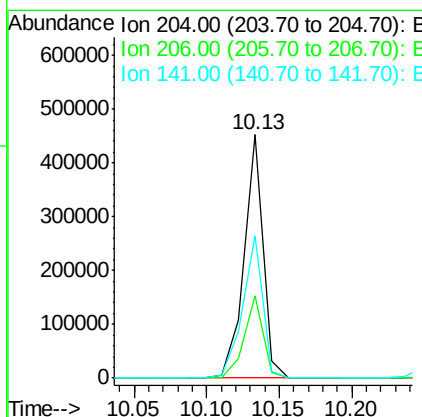
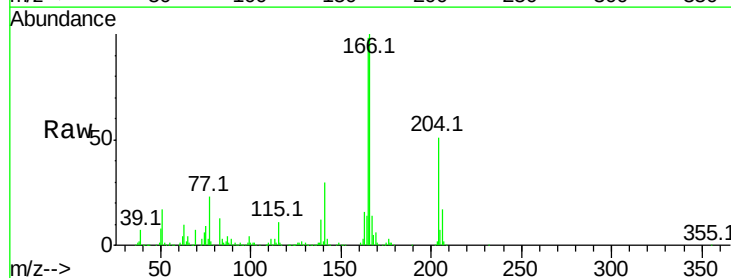
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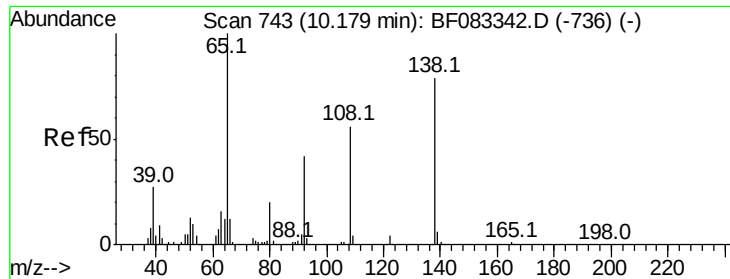
Mmdadoda
12/1/2015 6:35:19 PM



#60
4-Chlorophenyl-phenylether
Concen: 38.18 ng
RT: 10.13 min Scan# 739
Delta R.T. -0.00 min
Lab File: BF083365.D
Acq: 1 Dec 2015 6:47

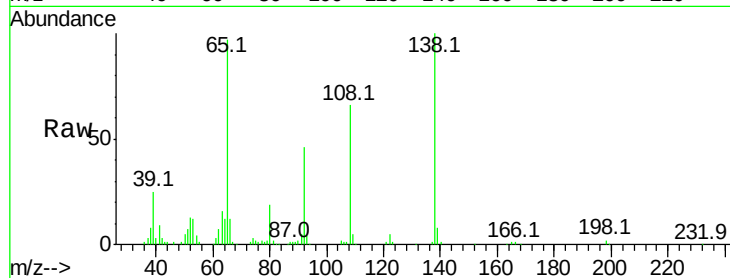
Tgt Ion	Ratio	Resp	Lower	Upper
204	100	411777		
206	33.8		27.5	41.3
141	58.6		48.1	72.1





#61
4-Nitroaniline
Concen: 31.63 ng
RT: 10.18 min Scan# 743
Delta R.T. -0.00 min
Lab File: BF083365.D
Acq: 1 Dec 2015 6:47

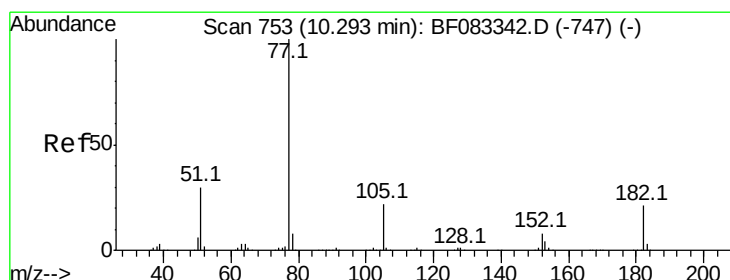
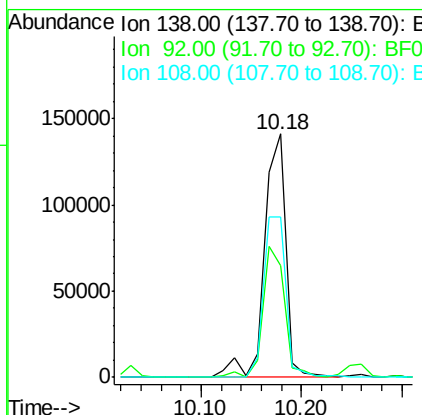
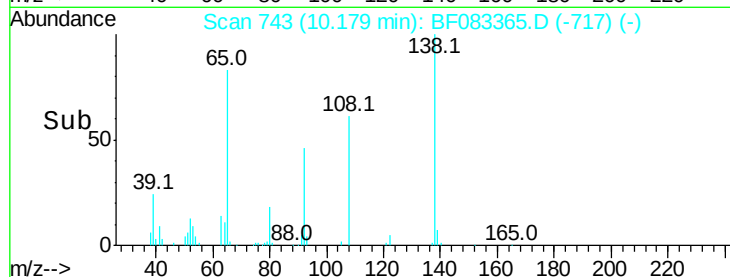
Instrument :
BNA_F
ClientSampleId :
PB86904BS



Tot Ion:138 Resp: 208245
Ion Ratio Lower Upper
138 100
92 46.2 33.6 73.6
108 65.9 51.0 91.0

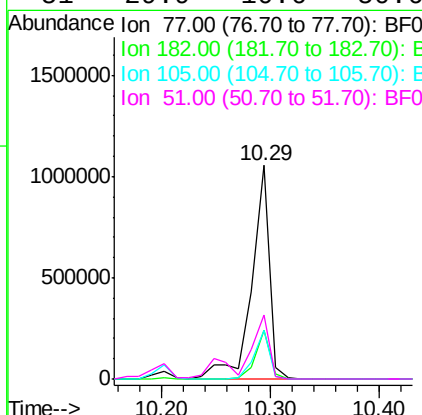
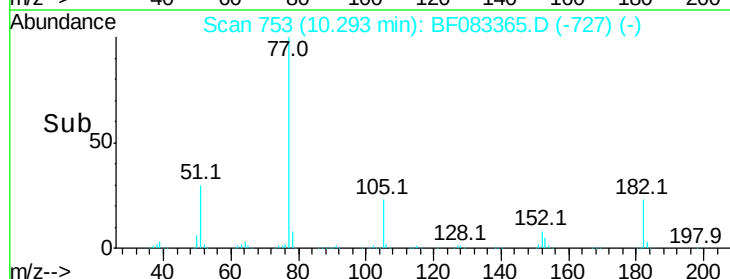
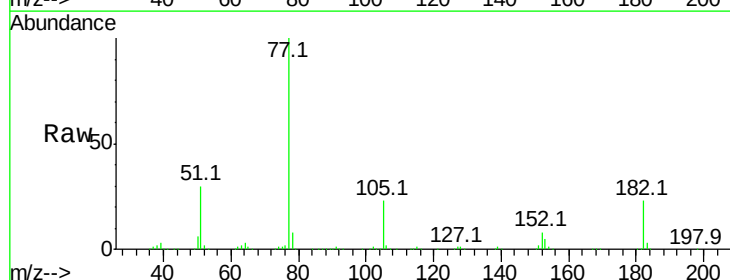
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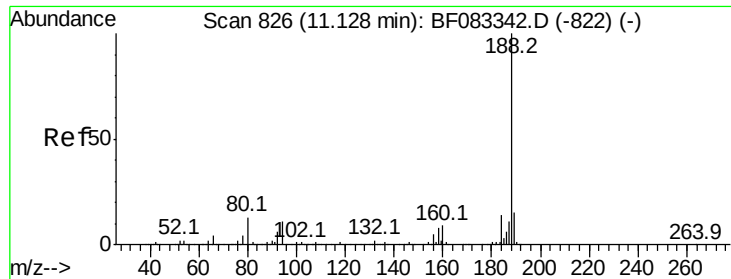
Mmdadoda
12/1/2015 6:35:19 PM



#62
Azobenzene
Concen: 39.48 ng
RT: 10.29 min Scan# 753
Delta R.T. -0.00 min
Lab File: BF083365.D
Acq: 1 Dec 2015 6:47

Tgt Ion: 77 Resp: 1195204
Ion Ratio Lower Upper
77 100
182 22.9 0.8 40.8
105 22.6 2.3 42.3
51 29.9 10.6 50.6





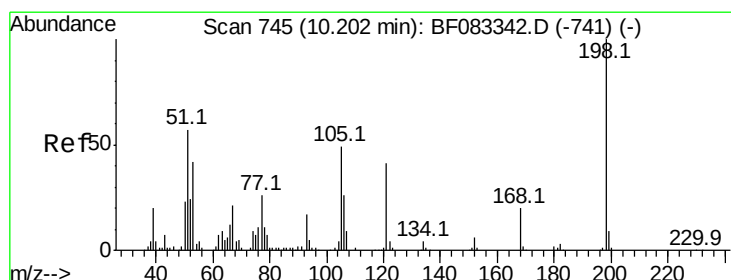
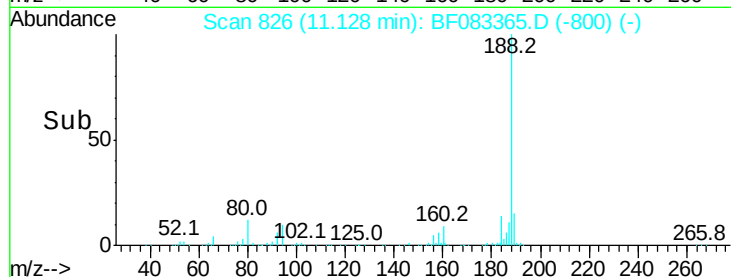
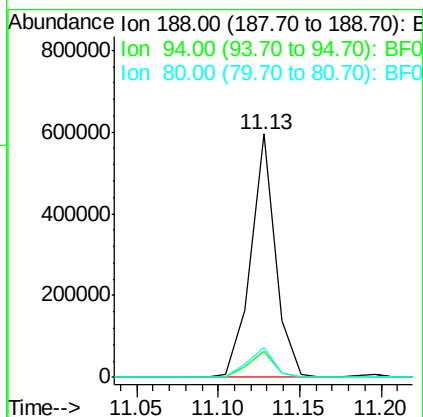
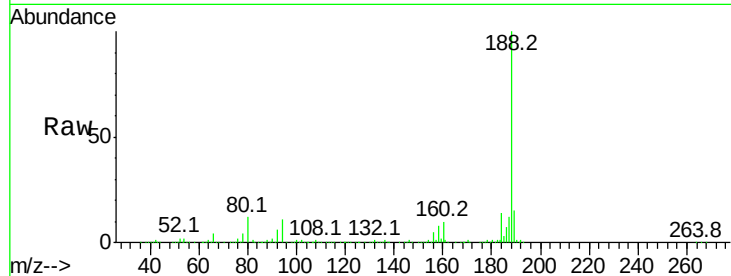
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 826
Delta R.T. -0.00 min
Lab File: BF083365.D
Acq: 1 Dec 2015 6:47

Instrument :
BNA_F
ClientSampleId :
PB86904BS

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.9	8.7	13.1
80	12.1	10.3	15.5

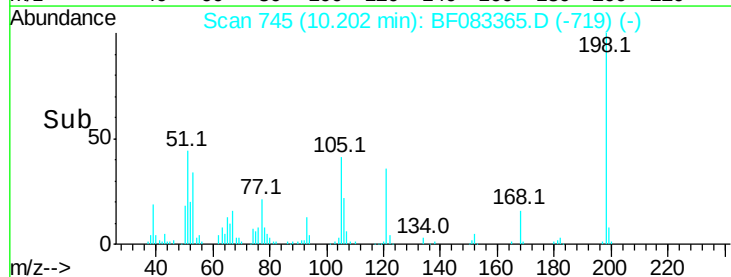
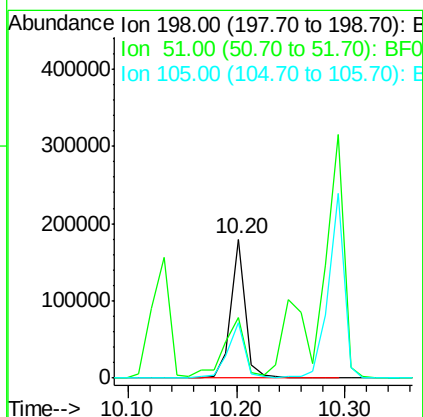
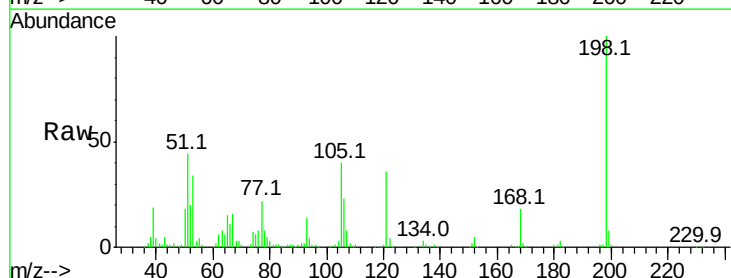
Manual Integrations
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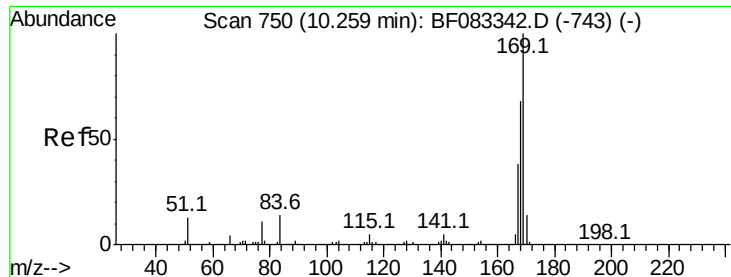
Mmdadoda
12/1/2015 6:35:19 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 39.53 ng
RT: 10.20 min Scan# 745
Delta R.T. -0.00 min
Lab File: BF083365.D
Acq: 1 Dec 2015 6:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	43.8	38.3	78.3
105	40.4	29.2	69.2





#65

n-Nitrosodiphenylamine

Concen: 36.59 ng

RT: 10.26 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Instrument :

BNA_F

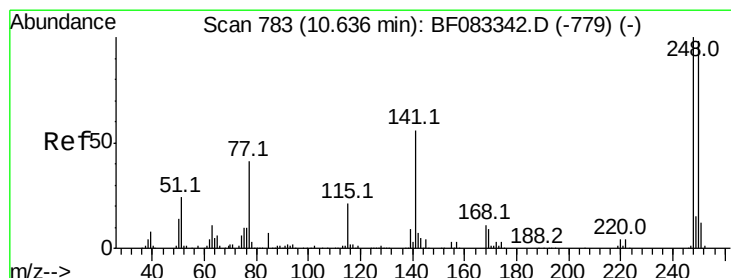
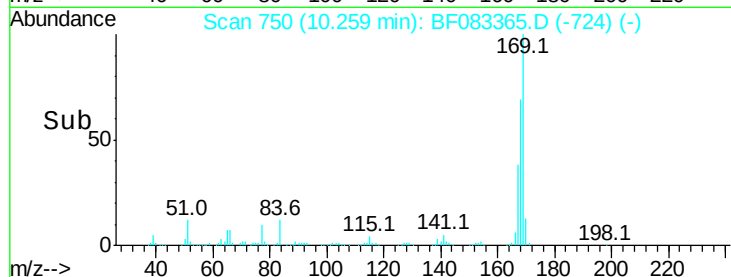
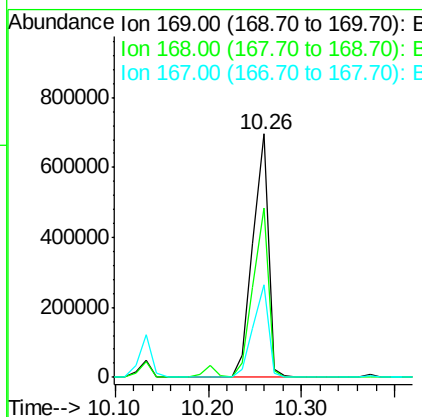
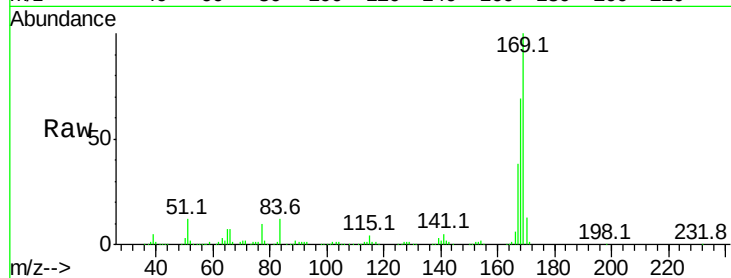
ClientSampleId :

PB86904BS

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12/1/2015 6:35:19 PM

Tot Ion:	169	Resp:	806163
Ion Ratio	Lower	Upper	
169	100		
168	69.4	54.8	82.2
167	38.0	30.2	45.2



#66

4-Bromophenyl-phenylether

Concen: 36.47 ng

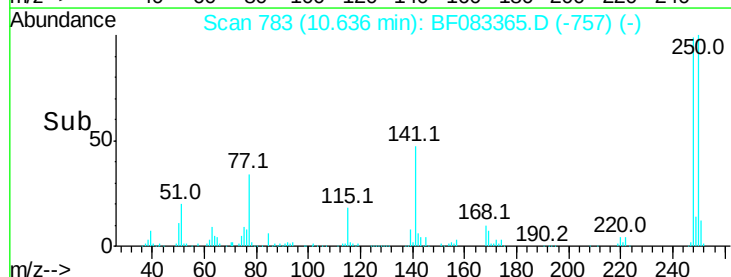
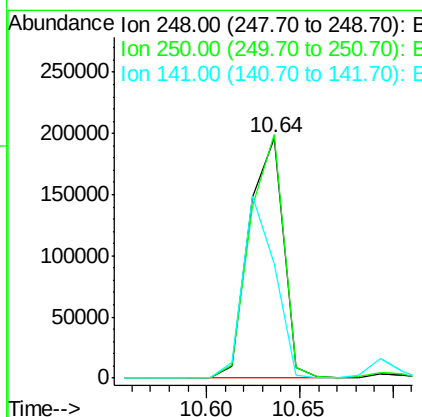
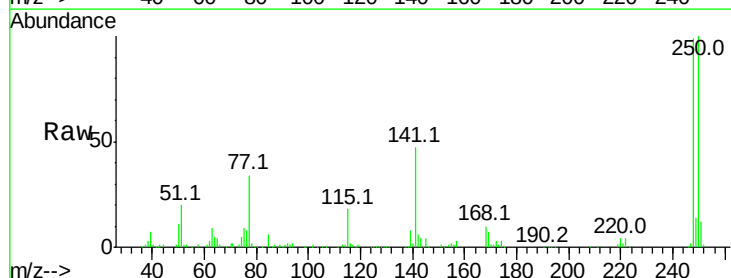
RT: 10.64 min Scan# 783

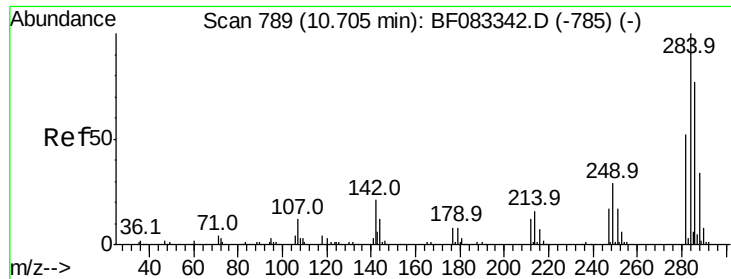
Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Tgt Ion:	248	Resp:	250097
Ion Ratio	Lower	Upper	
248	100		
250	101.4	78.6	118.0
141	47.6	44.4	66.6





#67

Hexachlorobenzene

Concen: 35.97 ng

RT: 10.69 min Scan# 788

Delta R.T. -0.01 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Instrument :

BNA_F

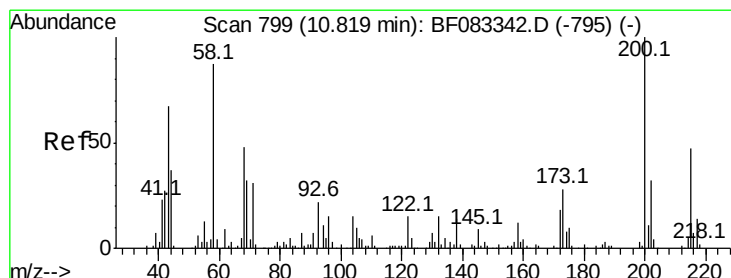
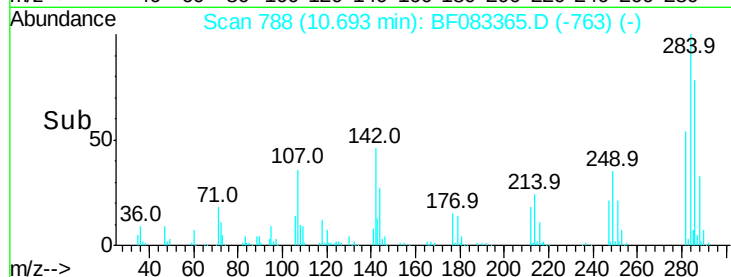
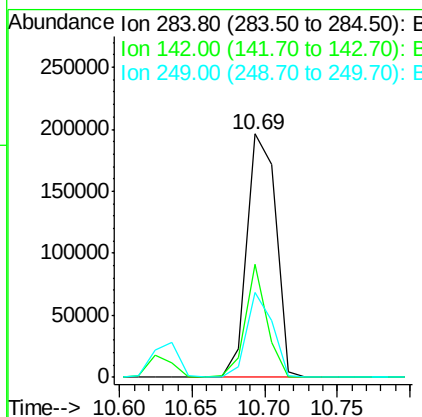
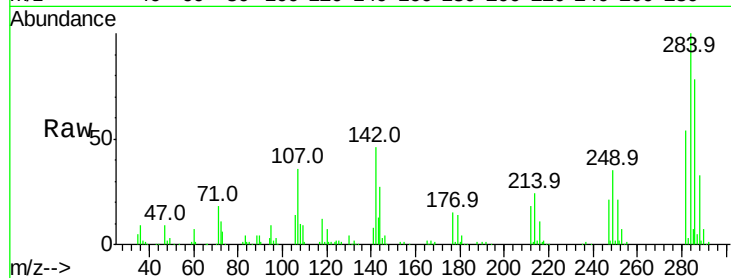
ClientSampled :

PB86904BS

Tot Ion:	284	Resp:	272754
Ion Ratio		Lower	Upper
284	100		
142	46.4	16.6	24.8#
249	34.6	23.0	34.4#

Manual Integrations
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#68

Atrazine

Concen: 41.45 ng

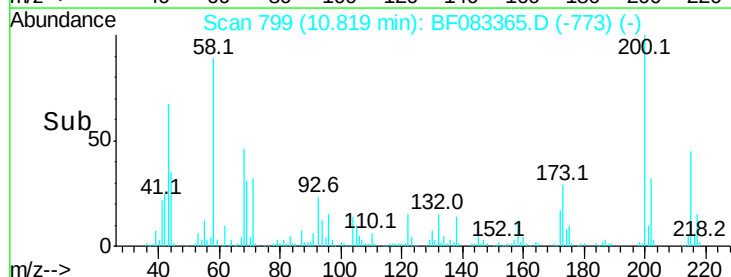
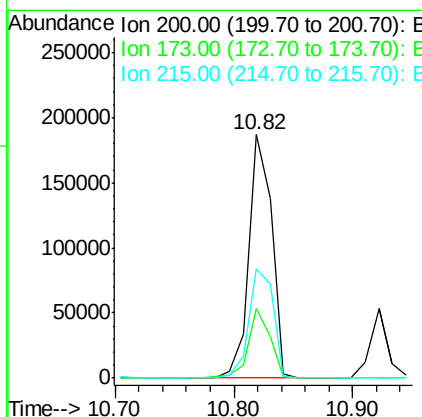
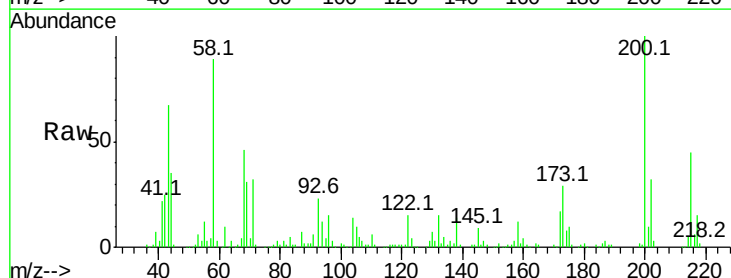
RT: 10.82 min Scan# 799

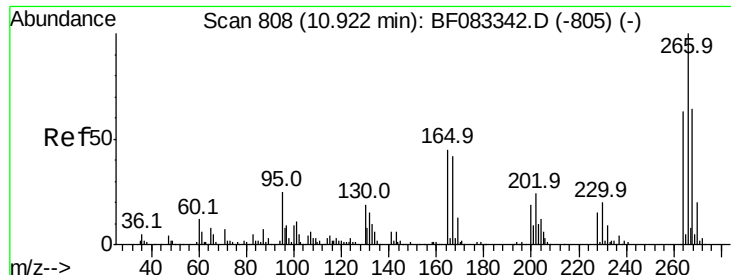
Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Tgt Ion:	200	Resp:	252556
Ion Ratio		Lower	Upper
200	100		
173	28.7	8.3	48.3
215	44.6	26.7	66.7





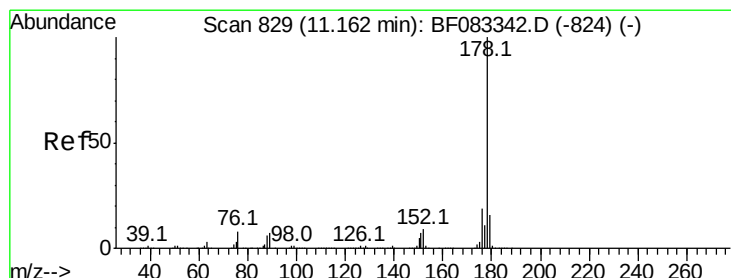
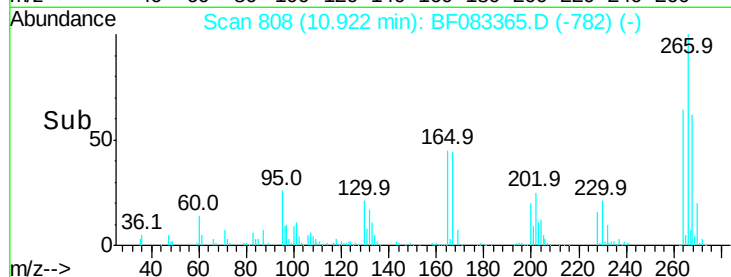
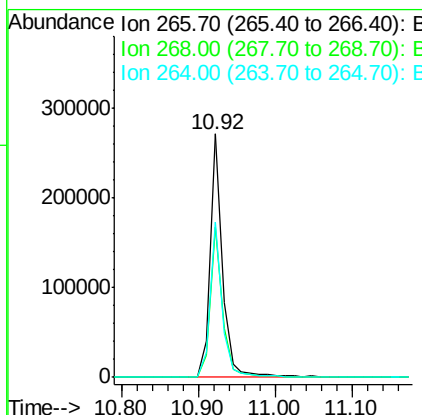
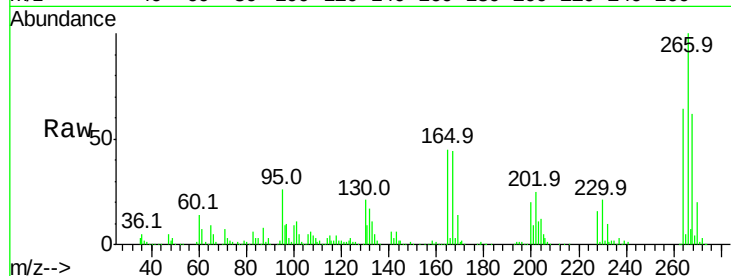
#69
 Pentachlorophenol
 Concen: 75.74 ng
 RT: 10.92 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: BF083365.D
 Acq: 1 Dec 2015 6:47

Instrument :
 BNA_F
 ClientSampleId :
 PB86904BS

Tot Ion	Ratio	Resp	Lower	Upper
266	100	300847		
268	61.7		51.5	77.3
264	64.0		50.4	75.6

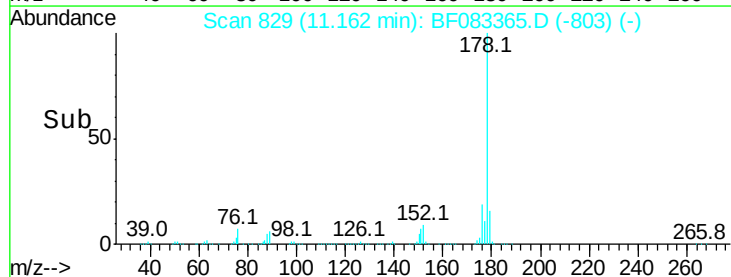
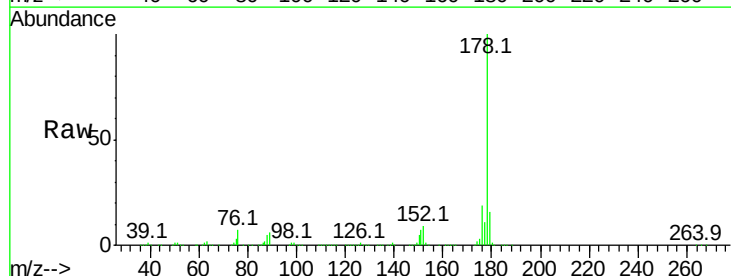
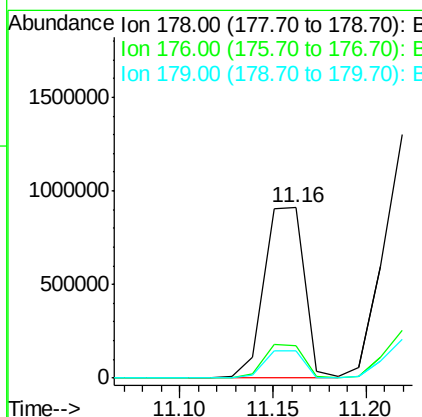
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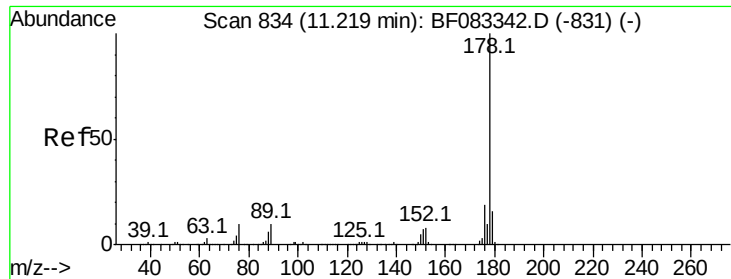
Mmdadoda
 12/1/2015 6:35:19 PM



#70
 Phenanthrene
 Concen: 36.63 ng
 RT: 11.16 min Scan# 829
 Delta R.T. -0.00 min
 Lab File: BF083365.D
 Acq: 1 Dec 2015 6:47

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1358838		
176	19.2		15.3	22.9
179	15.7		12.4	18.6





#71
 Anthracene
 Concen: 38.18 ng
 RT: 11.22 min Scan# 834
 Delta R.T. -0.00 min
 Lab File: BF083365.D
 Acq: 1 Dec 2015 6:47

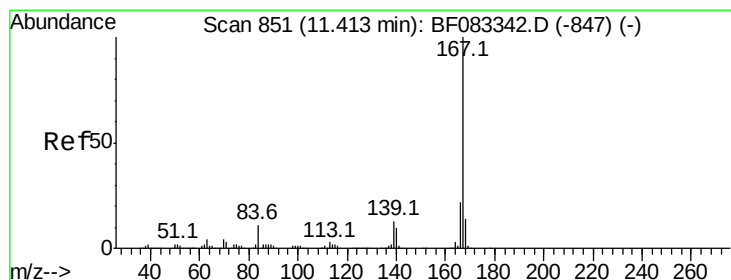
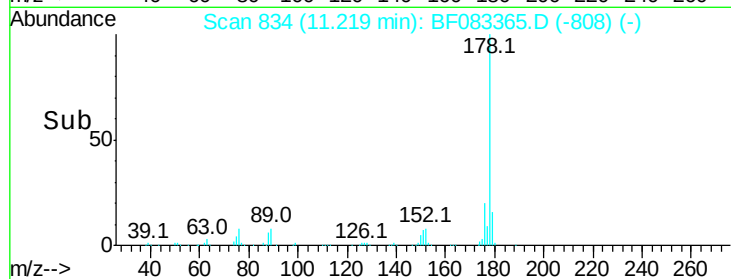
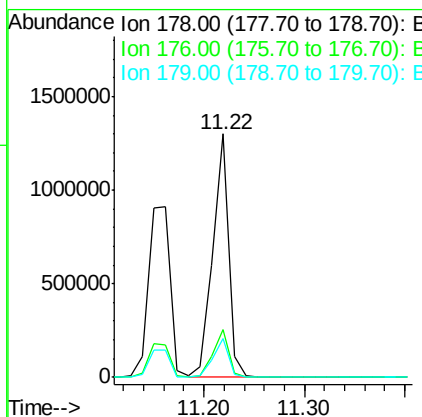
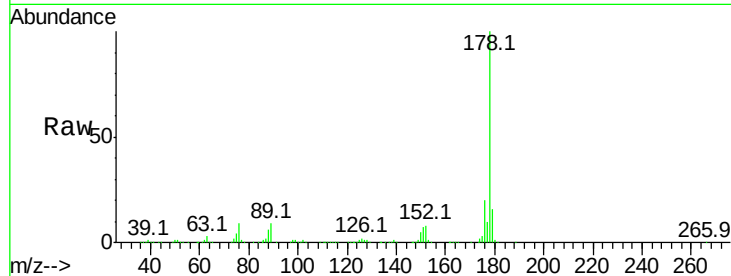
Instrument :
 BNA_F
 ClientSampleId :
 PB86904BS

Tot Ion:178 Resp: 1425962

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.6	23.4
179	16.0	12.8	19.2

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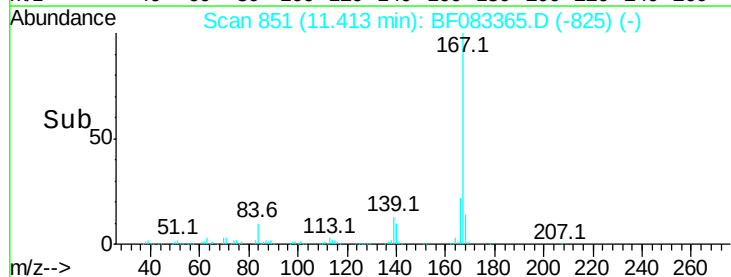
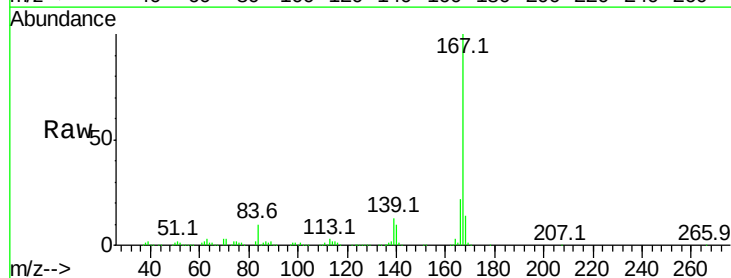
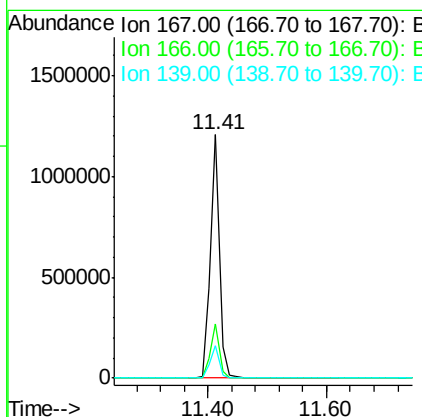
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 12/1/2015 6:35:19 PM

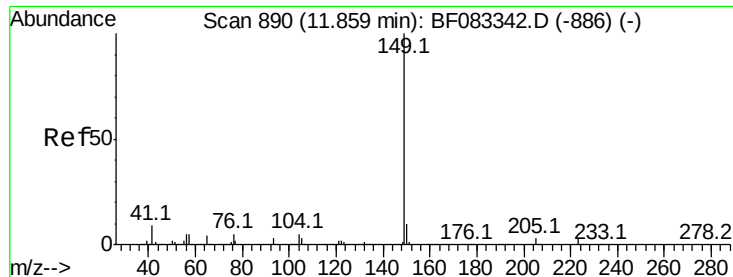


#72
 Carbazole
 Concen: 38.06 ng
 RT: 11.41 min Scan# 851
 Delta R.T. -0.00 min
 Lab File: BF083365.D
 Acq: 1 Dec 2015 6:47

Tgt Ion:167 Resp: 1277227

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.4	26.0
139	13.1	10.5	15.7





#73

Di-n-butylphthalate

Concen: 38.11 ng

RT: 11.86 min Scan# 890

Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Instrument :

BNA_F

ClientSampleId :

PB86904BS

Tot Ion:149 Resp: 1515556

Ion Ratio Lower Upper

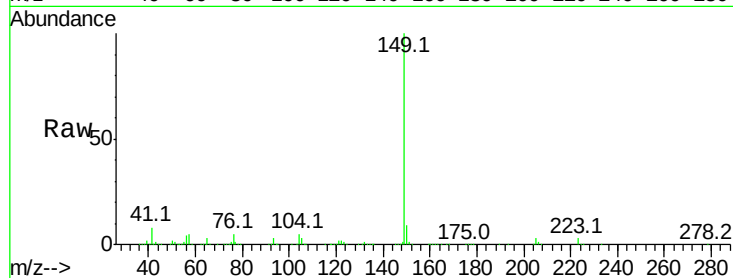
149 100

150 9.4 7.7 11.5

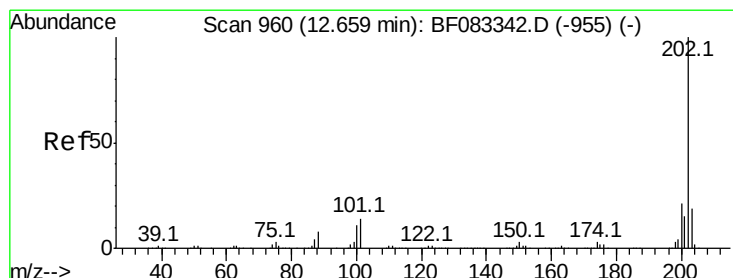
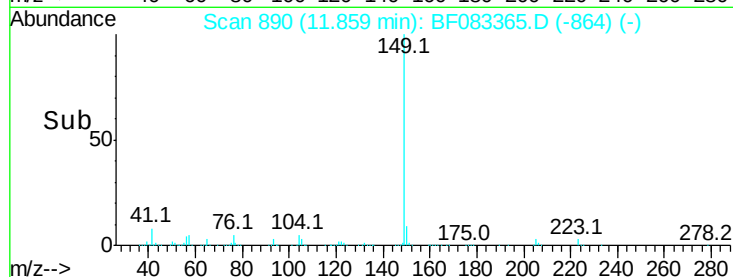
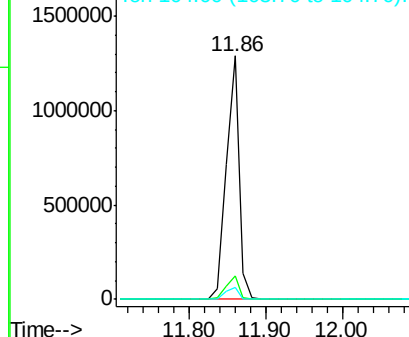
104 4.8 4.0 6.0

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 36.32 ng

RT: 12.66 min Scan# 960

Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

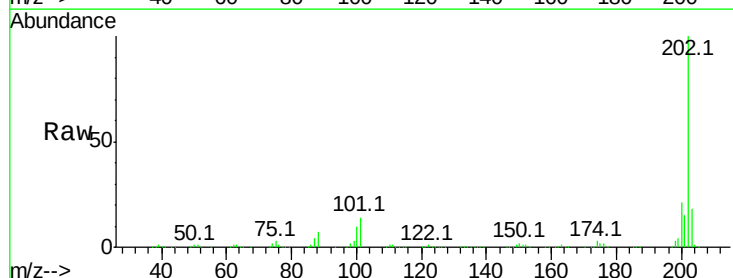
Tgt Ion:202 Resp: 1396879

Ion Ratio Lower Upper

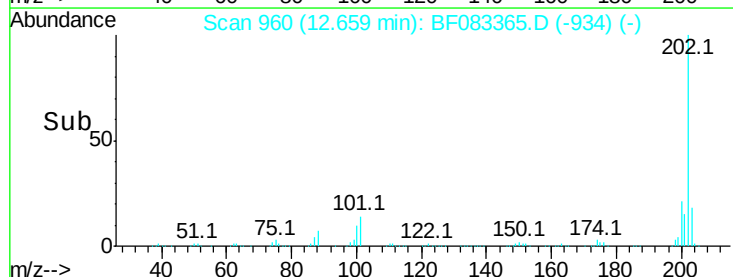
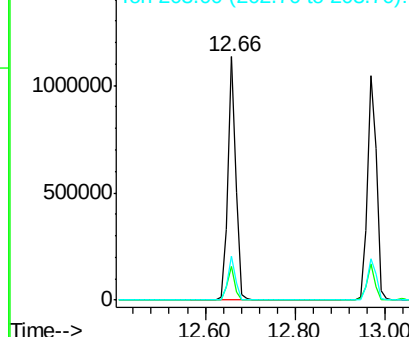
202 100

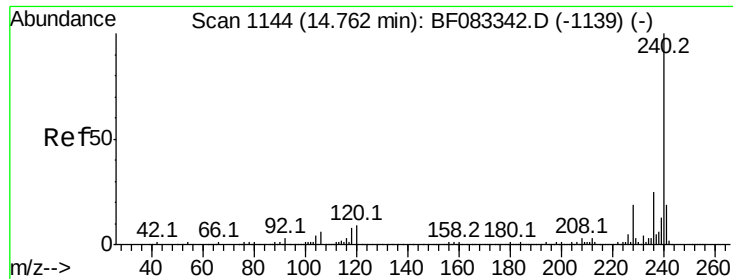
101 13.7 0.0 34.5

203 18.1 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.75 min Scan# 1143

Delta R.T. -0.01 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Instrument :

BNA_F

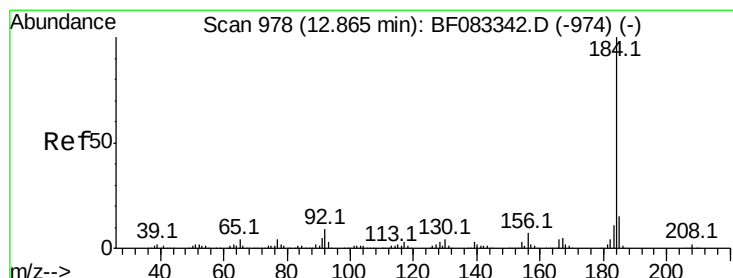
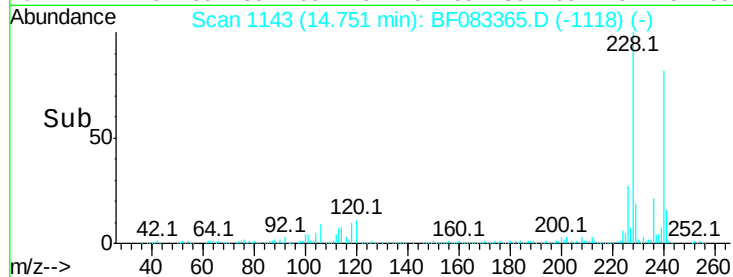
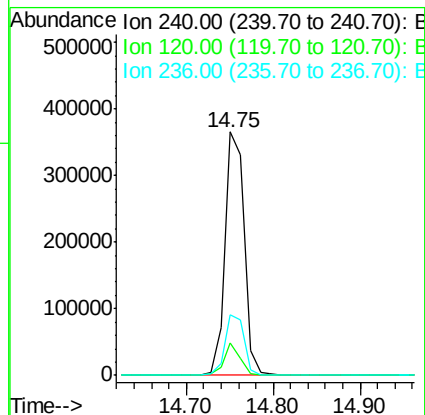
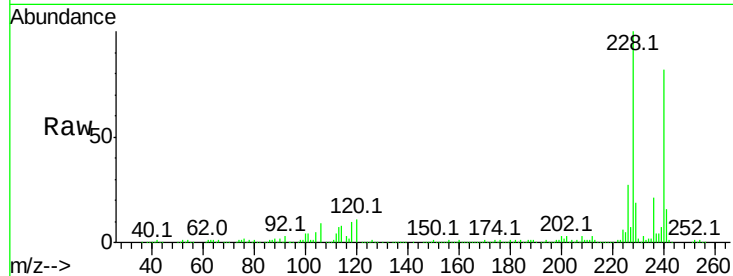
ClientSampleId :

PB86904BS

Tot Ion:	240	Resp:	563670
Ion Ratio	Lower	Upper	
240	100		
120	13.3	6.9	10.3#
236	25.0	19.8	29.6

Manual Integrations
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#76

Benzidine

Concen: 22.05 ng

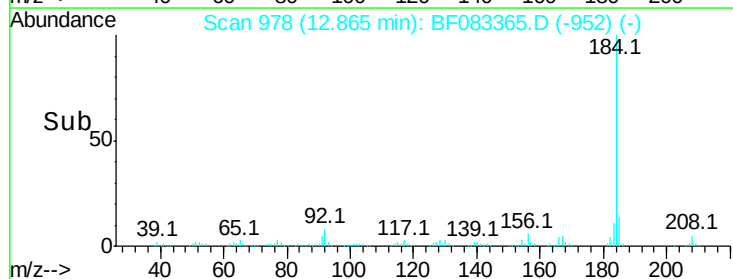
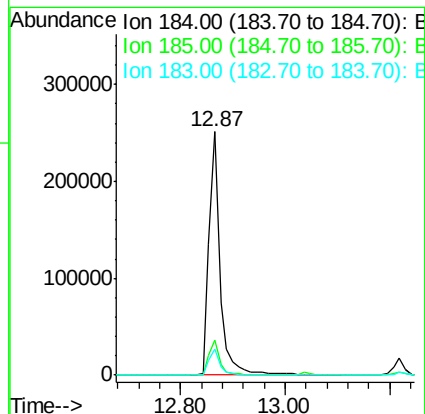
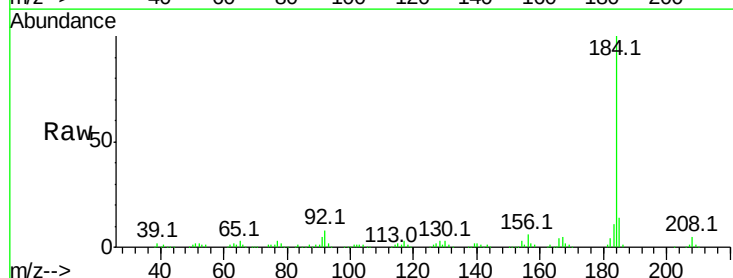
RT: 12.87 min Scan# 978

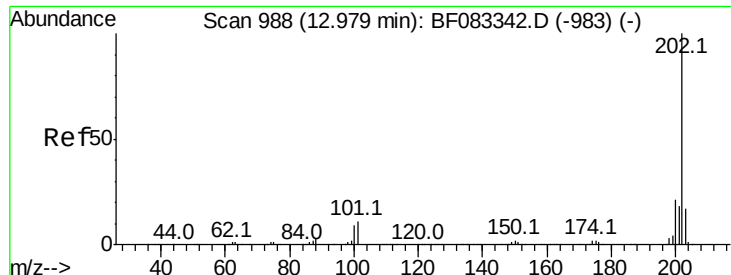
Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Tgt Ion:	184	Resp:	370129
Ion Ratio	Lower	Upper	
184	100		
185	14.4	12.4	18.6
183	10.5	9.0	13.4





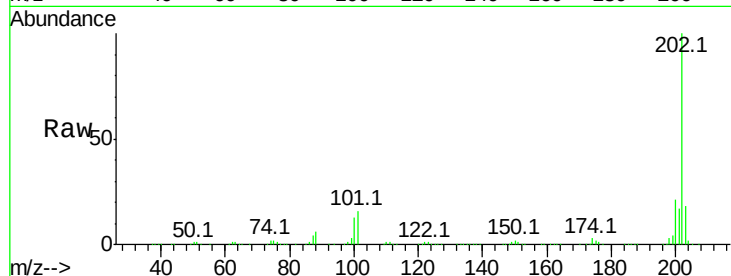
#77
Pvrene
Concen: 37.46 ng
RT: 12.97 min Scan# 987
Delta R.T. -0.01 min
Lab File: BF083365.D
Acq: 1 Dec 2015 6:47

Instrument :
BNA_F
ClientSampleId :
PB86904BS

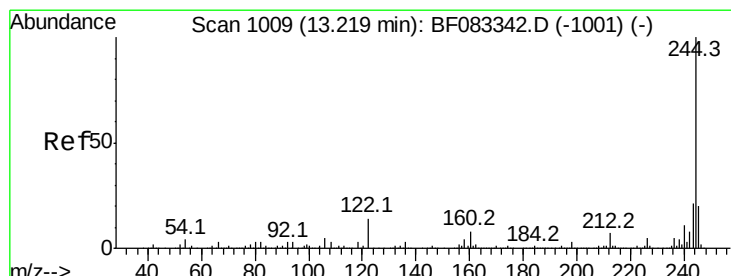
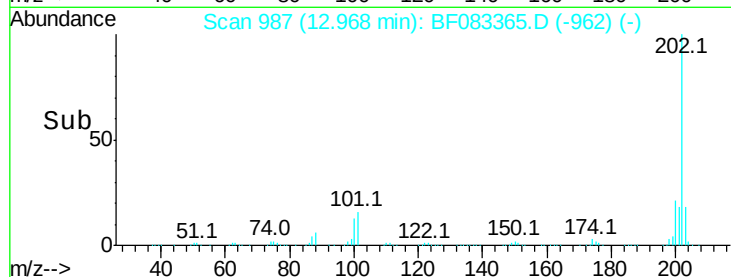
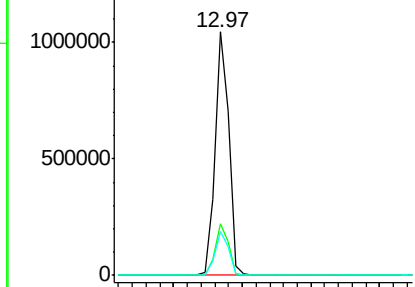
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.9	25.3
203	18.2	13.9	20.9

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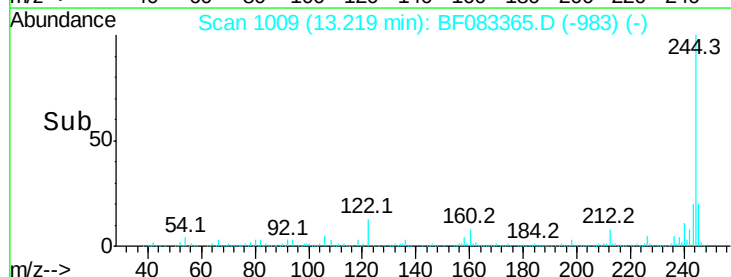
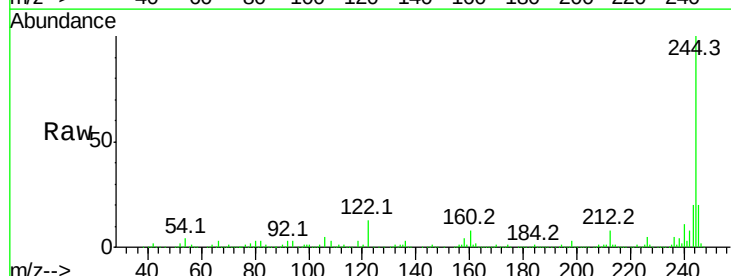
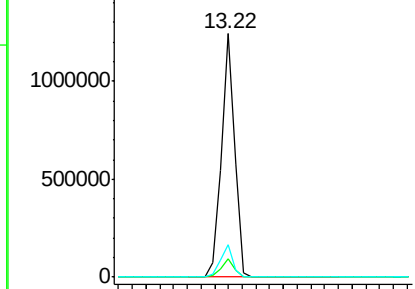
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

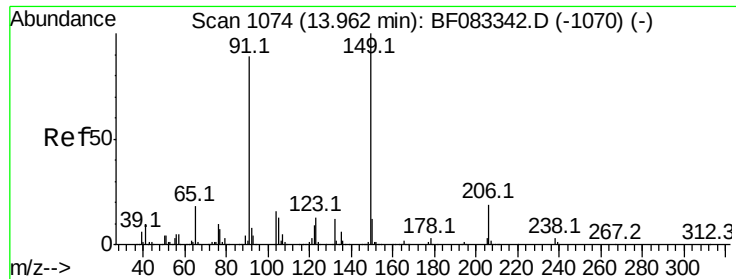


#78
Terphenyl-d14
Concen: 71.97 ng
RT: 13.22 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BF083365.D
Acq: 1 Dec 2015 6:47

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.8	8.8
122	13.3	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: 38.08 ng

RT: 13.96 min Scan# 1074

Delta R.T. -0.00 min

Lab File: BF083365.D

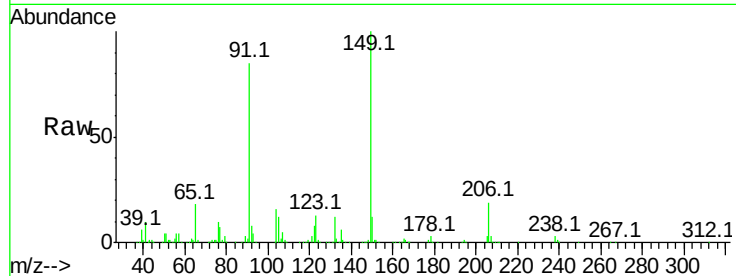
Acq: 1 Dec 2015 6:47

Instrument :

BNA_F

ClientSampleId :

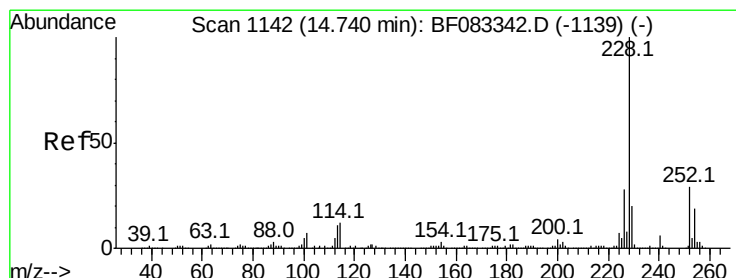
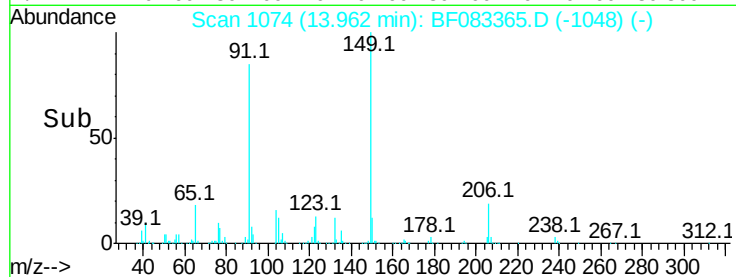
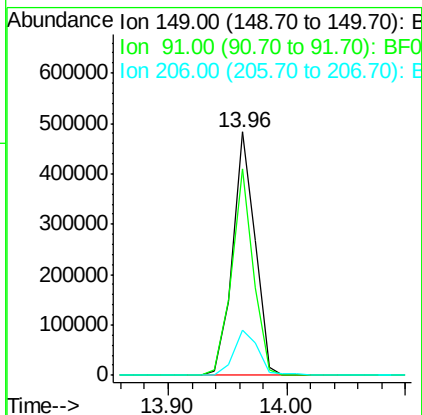
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Tot Ion	Ratio	Lower	Upper
149	100		
91	85.0	71.4	107.2
206	18.7	15.1	22.7

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#80

Benzo(a)anthracene

Concen: 35.28 ng

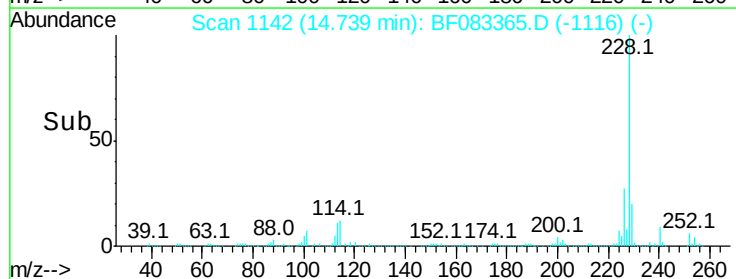
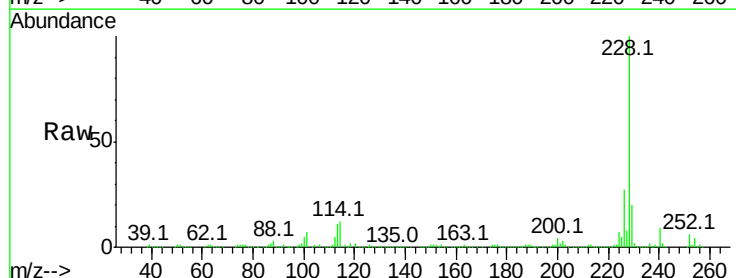
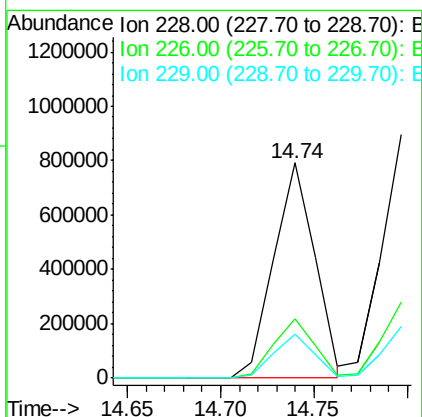
RT: 14.74 min Scan# 1142

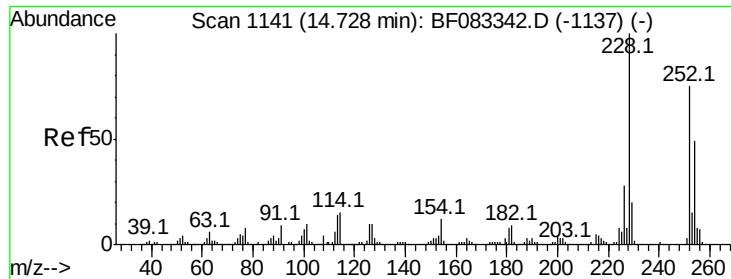
Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.2	33.4
229	20.4	16.1	24.1





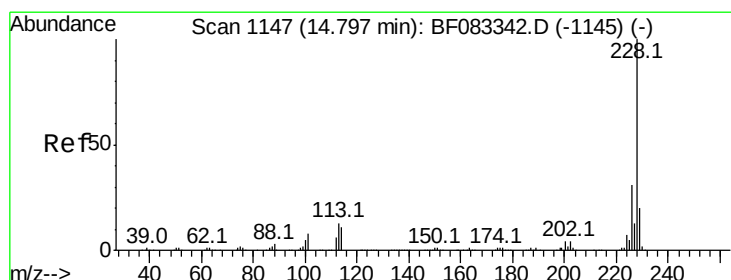
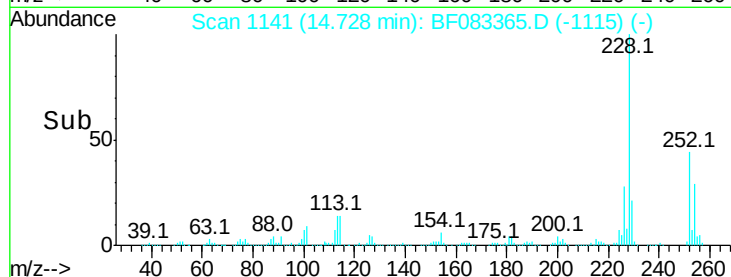
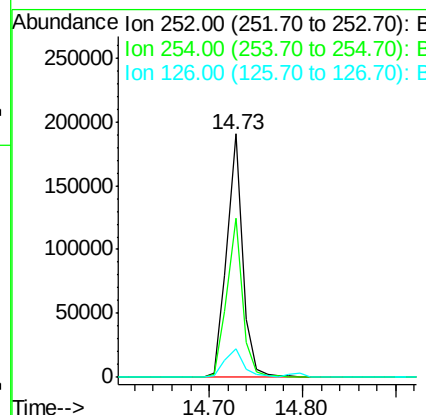
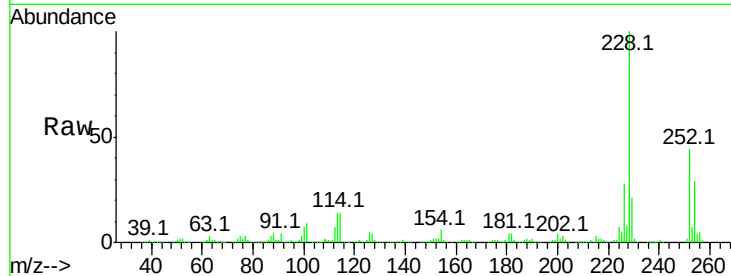
#81
 3,3'-Dichlorobenzidine
 Concen: 21.06 ng
 RT: 14.73 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: BF083365.D
 Acq: 1 Dec 2015 6:47

Instrument :
 BNA_F
 ClientSampleId :
 PB86904BS

Tot Ion	Ratio	Resp	Lower	Upper
252	100	227121		
254	65.3	52.0	78.0	
126	12.0	10.7	16.1	

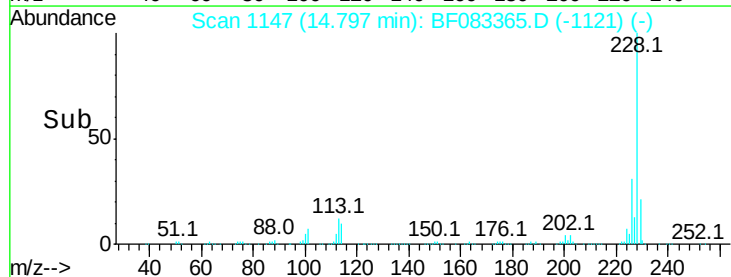
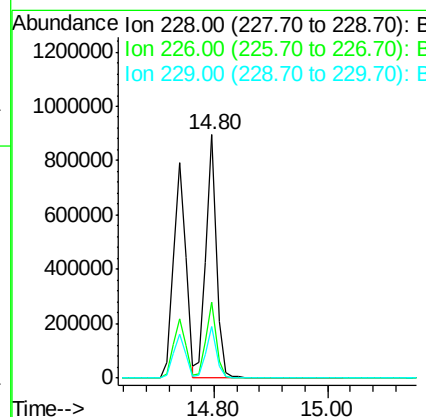
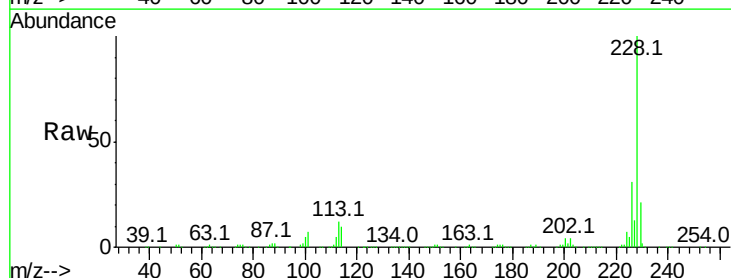
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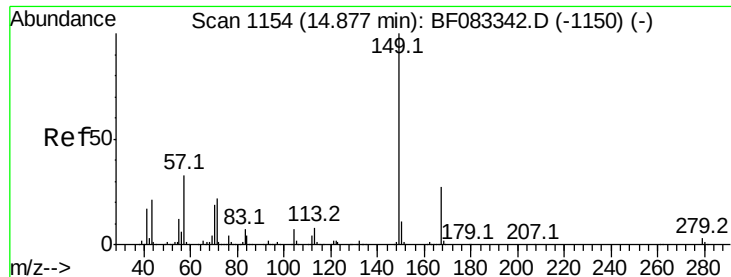
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#82
 Chrysene
 Concen: 33.54 ng
 RT: 14.80 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: BF083365.D
 Acq: 1 Dec 2015 6:47

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1119171		
226	31.1	24.6	37.0	
229	21.1	16.2	24.2	





#83

Bis(2-ethylhexyl)phthalate

Concen: 39.30 ng

RT: 14.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Instrument :

BNA_F

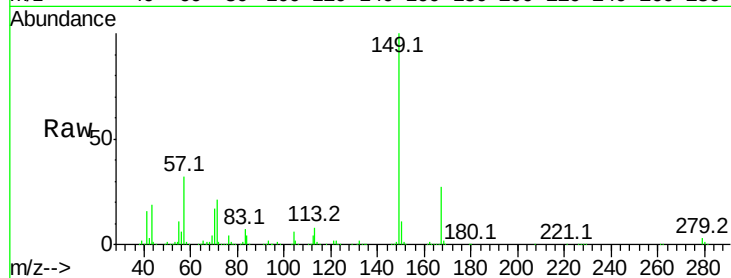
ClientSampleId :

PB86904BS

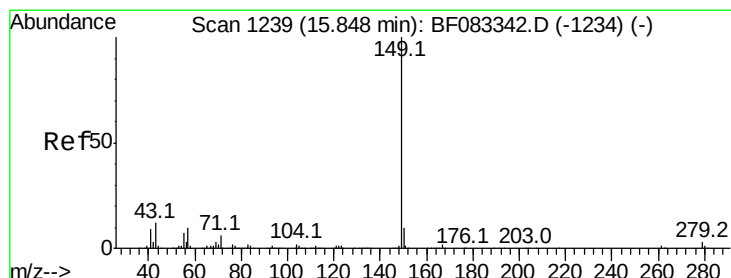
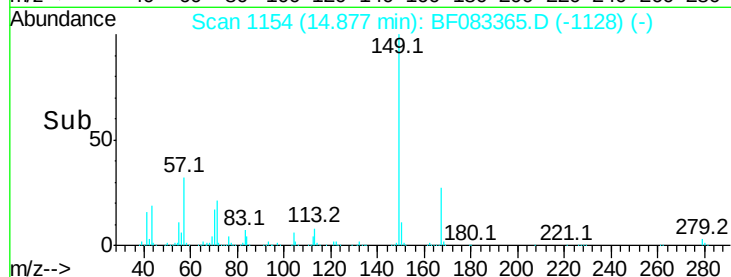
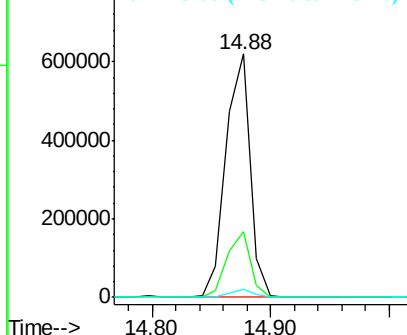
Tot Ion:	149	Resp:	880391
Ion Ratio	Lower	Upper	
149	100		
167	27.0	21.5	32.3
279	3.4	2.6	3.8

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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: 39.10 ng

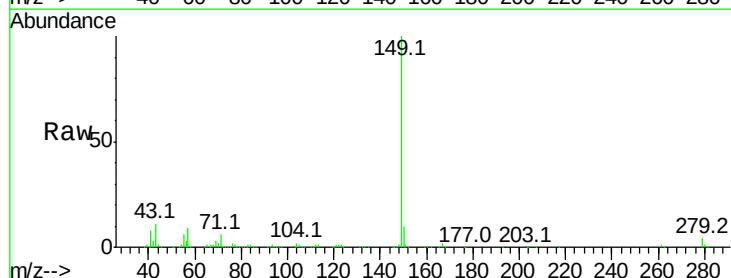
RT: 15.85 min Scan# 1239

Delta R.T. -0.00 min

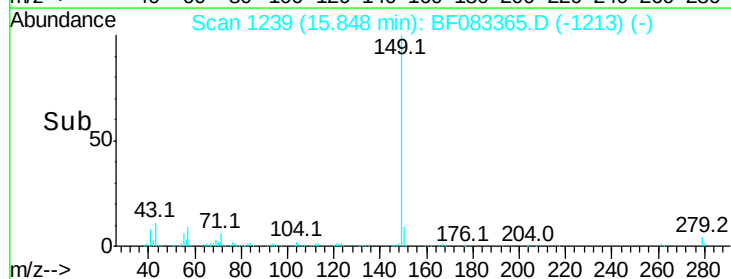
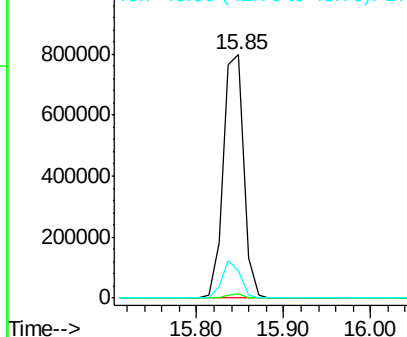
Lab File: BF083365.D

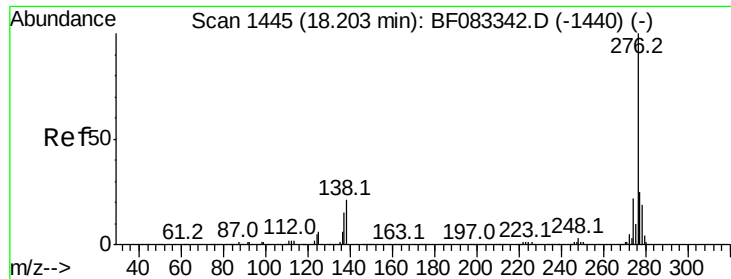
Acq: 1 Dec 2015 6:47

Tgt Ion:	149	Resp:	1304258
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.2	1.8
43	13.9	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: 40.20 ng

RT: 18.20 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Instrument :

BNA_F

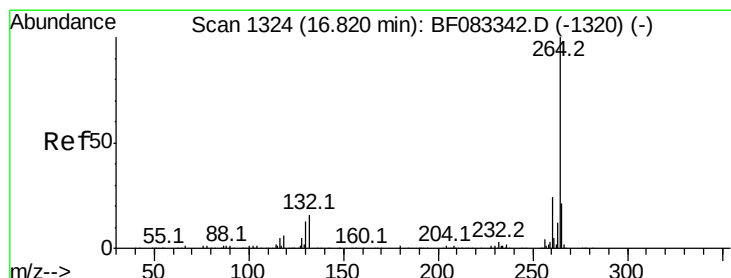
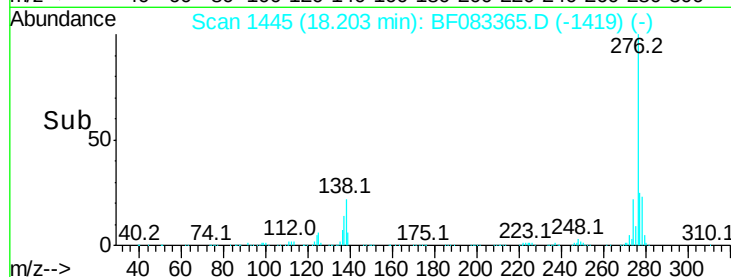
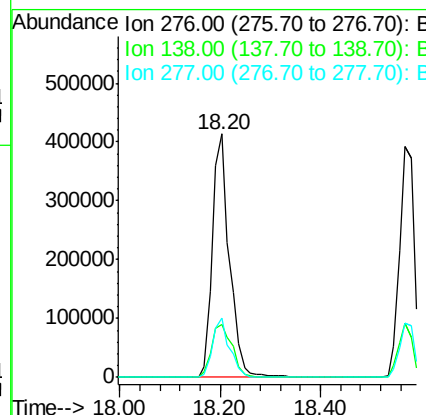
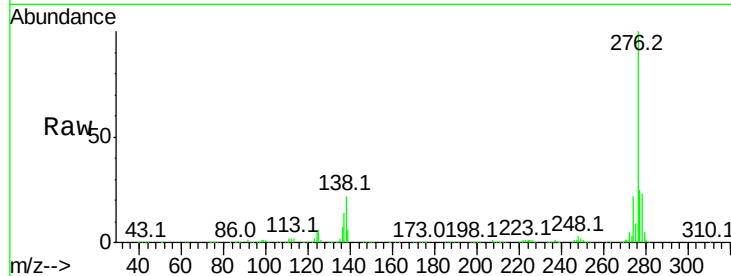
ClientSampleId :

PB86904BS

Tot Ion:	276	Resp:	976894
Ion Ratio	Lower	Upper	
276	100		
138	26.4	21.2	31.8
277	24.6	20.0	30.0

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#86

Perylene-d12

Concen: 20.00 ng

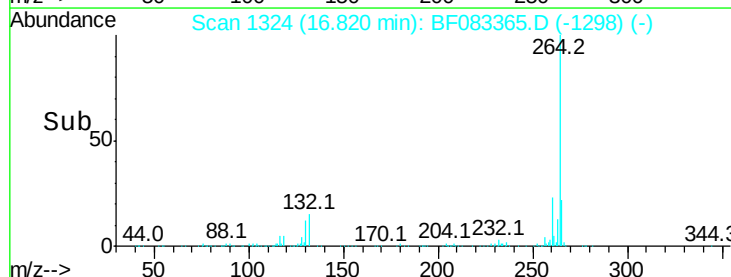
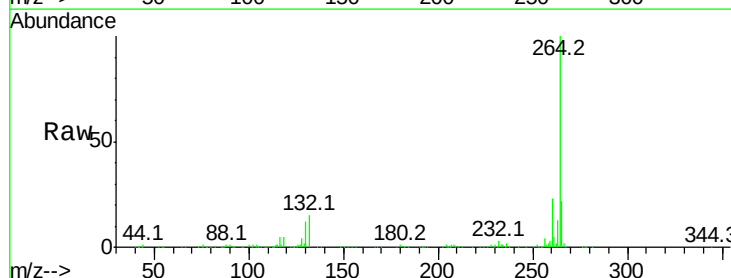
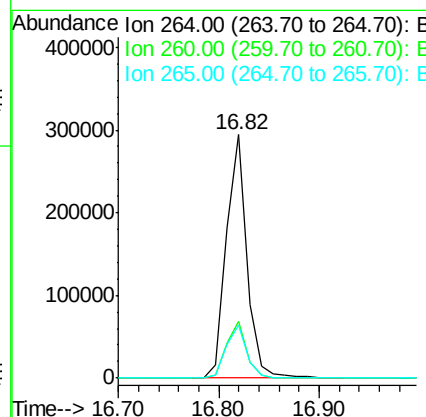
RT: 16.82 min Scan# 1324

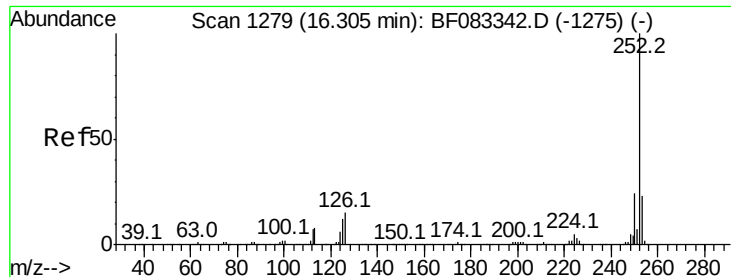
Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Tgt Ion:	264	Resp:	418071
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.0	28.4
265	21.8	16.8	25.2





#87

Benzo(b)fluoranthene

Concen: 37.64 ng

RT: 16.31 min Scan# 1279

Delta R.T. -0.00 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

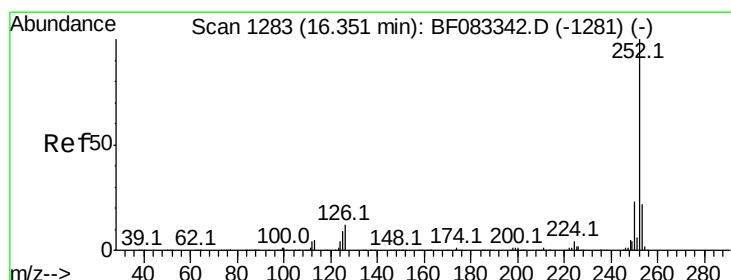
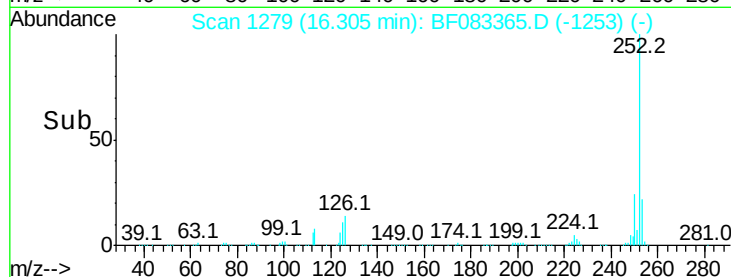
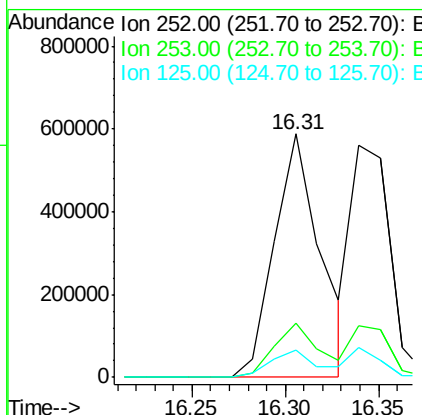
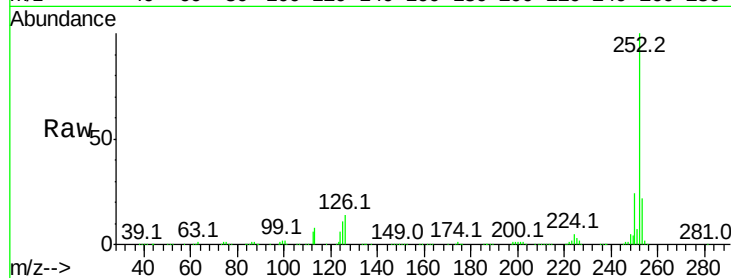
Instrument :
BNA_F

ClientSampleId :
PB86904BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	11.1	9.6	14.4

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#88

Benzo(k)fluoranthene

Concen: 32.95 ng m

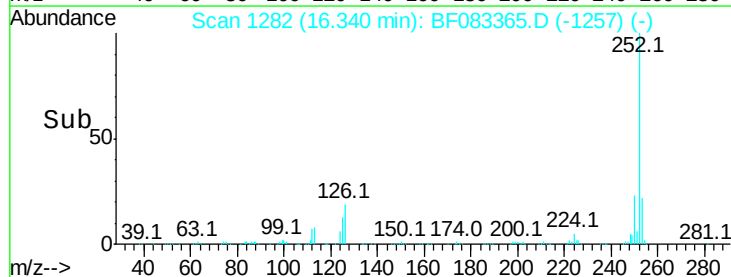
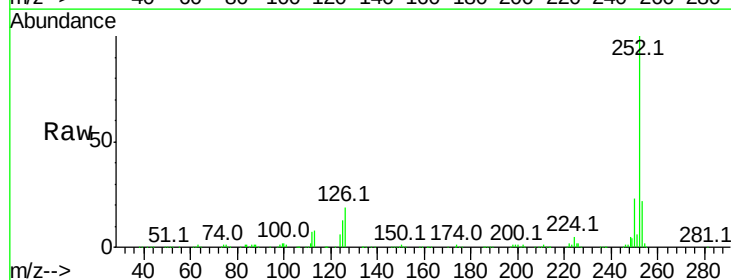
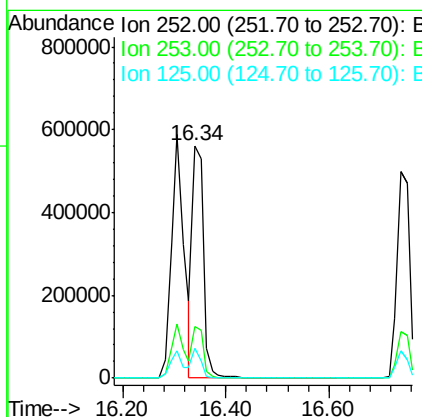
RT: 16.34 min Scan# 1282

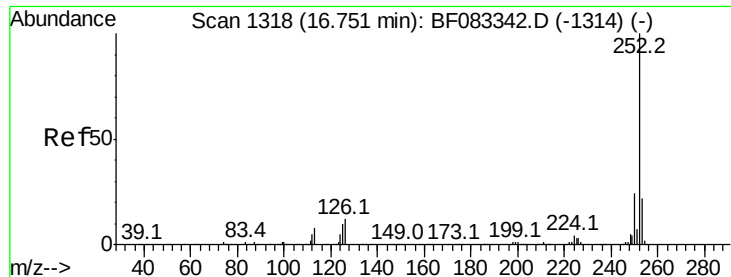
Delta R.T. -0.01 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	12.9	7.5	11.3





#89

Benzo(a)pyrene

Concen: 37.32 ng

RT: 16.74 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Instrument :

BNA_F

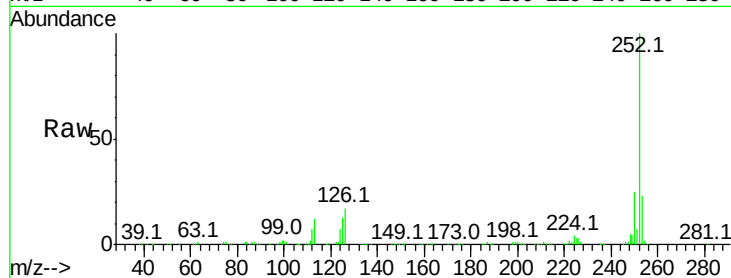
ClientSampleId :

PB86904BS

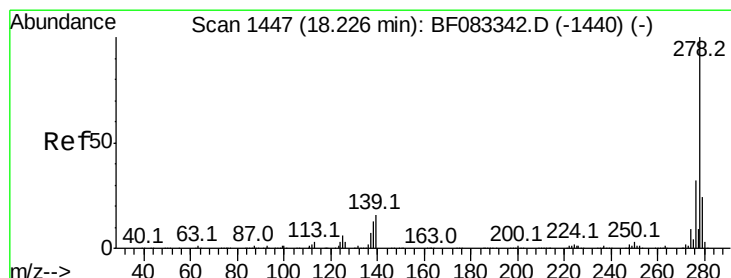
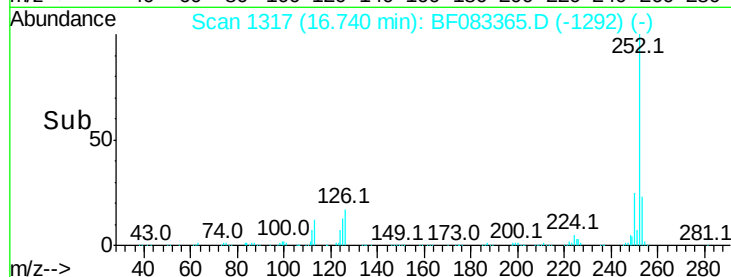
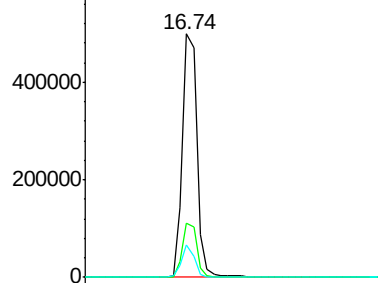
Tot Ion:	252	Resp:	859914
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.5	26.3
125	13.4	7.8	11.8#

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



#90

Dibenzo(a,h)anthracene

Concen: 40.95 ng

RT: 18.23 min Scan# 1447

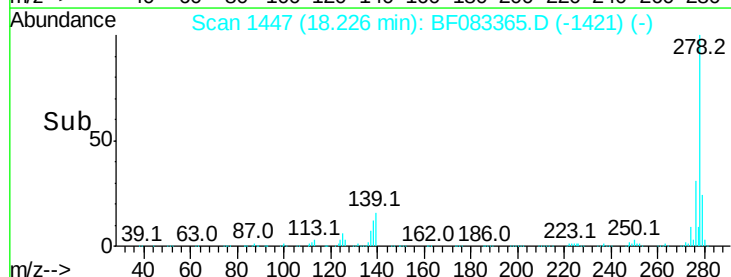
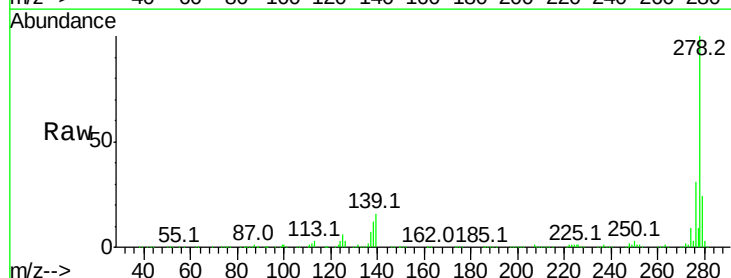
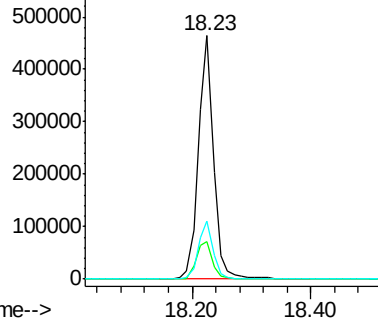
Delta R.T. -0.00 min

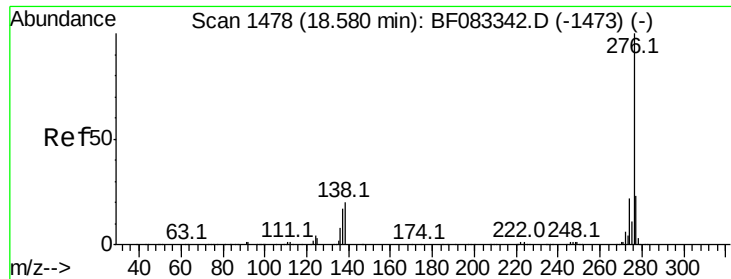
Lab File: BF083365.D

Acq: 1 Dec 2015 6:47

Tgt Ion:	278	Resp:	822153
Ion Ratio	Lower	Upper	
278	100		
139	15.6	13.1	19.7
279	23.7	19.2	28.8

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





#91
 Benzo(a,h,i)perylene
 Concen: 42.54 ng
 RT: 18.57 min Scan# 1477
 Delta R.T. -0.01 min
 Lab File: BF083365.D
 Acq: 1 Dec 2015 6:47

Instrument :
 BNA_F
 ClientSampleId :
 PB86904BS

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	23.7	18.6	28.0
138	23.6	16.1	24.1

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