

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
 Data File : BF083453.D
 Acq On : 3 Dec 2015 9:57
 Operator : UM/IZ
 Sample : G4583-11MSD
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-09(0-8)MSD

Manual Integrations
 APPROVED

Mmdadoda
 12/3/2015 7:10:14 PM

Quant Time: Dec 03 12:49:33 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	142718	20.00	ng	0.00
21) Naphthalene-d8	7.87	136	317543	20.00	ng	0.03
38) Acenaphthene-d10	9.58	164	248317	20.00	ng	0.00
63) Phenanthrene-d10	11.14	188	343881	20.00	ng	0.01
75) Chrysene-d12	14.77	240	290230	20.00	ng	0.01
86) Perylene-d12	16.83	264	275312	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.14	112	1498878	157.59	ng	0.01
7) Phenol-d6	6.22	99	1809010	138.96	ng	0.00
23) Nitrobenzene-d5	7.13	82	1231459	170.48	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	302339	121.29	ng	-0.01
44) 2-Fluorobiphenyl	8.92	172	1834814	105.30	ng	0.00
78) Terphenyl-d14	13.22	244	1291120	106.09	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.00	88	173022	33.60	ng	98
3) Pyridine	2.60	79	581628	45.15	ng	96
4) n-Nitrosodimethylamine	2.57	42	295407	46.59	ng	95
6) Aniline	6.21	93	582314	32.70	ng	89
8) 2-Chlorophenol	6.34	128	507520	48.37	ng	98
9) Benzaldehyde	6.09	77	430348	96.66	ng	# 1
10) Phenol	6.24	94	832115	53.12	ng	91
11) bis(2-Chloroethyl)ether	6.29	93	586059	51.43	ng	94
12) 1,3-Dichlorobenzene	6.48	146	541758m	46.46	ng	
13) 1,4-Dichlorobenzene	6.56	146	547487	45.42	ng	97
14) 1,2-Dichlorobenzene	6.72	146	455613	41.20	ng	# 91
15) Benzyl Alcohol	6.72	79	499185	49.61	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.84	45	941363	47.08	ng	# 51
17) 2-Methylphenol	6.84	107	432901	49.50	ng	96
18) Hexachloroethane	7.06	117	240104	57.35	ng	# 76
19) n-Nitroso-di-n-propylamine	6.99	70	452141	48.59	ng	97
20) 3+4-Methylphenols	7.00	107	586401	49.51	ng	97
22) Acetophenone	6.98	105	830857	87.45	ng	# 97
24) Nitrobenzene	7.14	77	650398	84.32	ng	# 88
25) Isophorone	7.41	82	1235261	88.28	ng	# 98
26) 2-Nitrophenol	7.47	139	287301	91.24	ng	# 83
27) 2,4-Dimethylphenol	7.55	122	477398	90.44	ng	98
28) bis(2-Chloroethoxy)methane	7.65	93	679009m	85.21	ng	
29) 2,4-Dichlorophenol	7.76	162	432387m	85.17	ng	
30) 1,2,4-Trichlorobenzene	7.85	180	421444m	76.27	ng	
31) Naphthalene	7.93	128	26046130	1511.74	ng	# 79
32) Benzoic acid	7.66	122	151712	41.67	ng	# 80
34) Hexachlorobutadiene	7.98	225	237800	75.79	ng	99
35) Caprolactam	8.30	113	177150	110.44	ng	# 89
36) 4-Chloro-3-methylphenol	8.44	107	464370	81.55	ng	98
37) 2-Methylnaphthalene	8.57	142	5930979	515.08	ng	# 93
39) 1,2,4,5-Tetrachlorobenzene	8.72	216	370244	47.04	ng	98
40) Hexachlorocyclopentadiene	8.70	237	19723	5.27	ng	97
42) 2,4,6-Trichlorophenol	8.84	196	274417	49.70	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	8.90	196	283215	49.51	nq	97
45) 1,1'-Biphenyl	9.02	154	3113483	142.98	nq	93
46) 2-Chloronaphthalene	9.04	162	773595	46.62	nq	99
47) 2-Nitroaniline	9.15	65	393637	59.90	nq	87
48) Acenaphthylene	9.46	152	3858706	145.79	nq	96
49) Dimethylphthalate	9.33	163	1253024	62.09	nq	99
50) 2,6-Dinitrotoluene	9.40	165	205666	47.72	nq	95
51) Acenaphthene	9.64	154	4883955	313.70	nq	97
52) 3-Nitroaniline	9.57	138	172140	34.08	nq	85
53) 2,4-Dinitrophenol	9.69	184	25174	12.75	nq	# 1
54) Dibenzofuran	9.79	168	1474168	64.61	nq	# 96
55) 4-Nitrophenol	9.76	139	278006m	87.99	nq	
56) 2,4-Dinitrotoluene	9.81	165	302837	55.38	nq	# 68
57) Fluorene	10.14	166	3640735	202.08	nq	97
58) 2,3,4,6-Tetrachlorophenol	9.93	232	206932	44.83	nq	# 76
59) Diethylphthalate	10.03	149	918243	47.74	nq	99
60) 4-Chlorophenyl-phenylether	10.13	204	360062	43.50	nq	96
61) 4-Nitroaniline	10.17	138	208783	41.31	nq	89
62) Azobenzene	10.29	77	1078757	46.42	nq	# 79
64) 4,6-Dinitro-2-methylphenol	10.22	198	24325	10.54	nq	# 23
65) n-Nitrosodiphenylamine	10.25	169	815320	67.47	nq	94
66) 4-Bromophenyl-phenylether	10.62	248	236744	62.94	nq	# 88
67) Hexachlorobenzene	10.72	284	230621	55.45	nq	# 82
68) Atrazine	10.84	200	230670	69.02	nq	99
69) Pentachlorophenol	10.96	266	242592	111.34	nq	99
70) Phenanthrene	11.20	178	12720915m	625.09	nq	
71) Anthracene	11.24	178	4169270	203.50	nq	95
72) Carbazole	11.41	167	1091572	59.30	nq	99
73) Di-n-butylphthalate	11.85	149	1326414	60.80	nq	99
74) Fluoranthene	12.69	202	7158286	339.34	nq	96
76) Benzidine	12.88	184	554977	64.20	nq	99
77) Pyrene	13.01	202	9109548m	449.43	nq	
79) Butylbenzylphthalate	13.95	149	486323	56.56	nq	94
80) Benzo(a)anthracene	14.76	228	4158013	233.85	nq	94
81) 3,3'-Dichlorobenzidine	14.74	252	283046	50.96	nq	96
82) Chrysene	14.82	228	3745312m	218.01	nq	
83) Bis(2-ethylhexyl)phthalate	14.85	149	699313	60.63	nq	99
84) Di-n-octyl phthalate	15.83	149	1188789	69.21	nq	98
85) Indeno(1,2,3-cd)pyrene	18.21	276	1915469	153.09	nq	98
87) Benzo(b)fluoranthene	16.33	252	4186921m	237.01	nq	
88) Benzo(k)fluoranthene	16.36	252	1016730m	60.95	nq	
89) Benzo(a)pyrene	16.77	252	3700937	243.92	nq	# 95
90) Dibenzo(a,h)anthracene	18.23	278	826061	62.48	nq	97
91) Benzo(g,h,i)perylene	18.60	276	1935978	149.20	nq	97

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

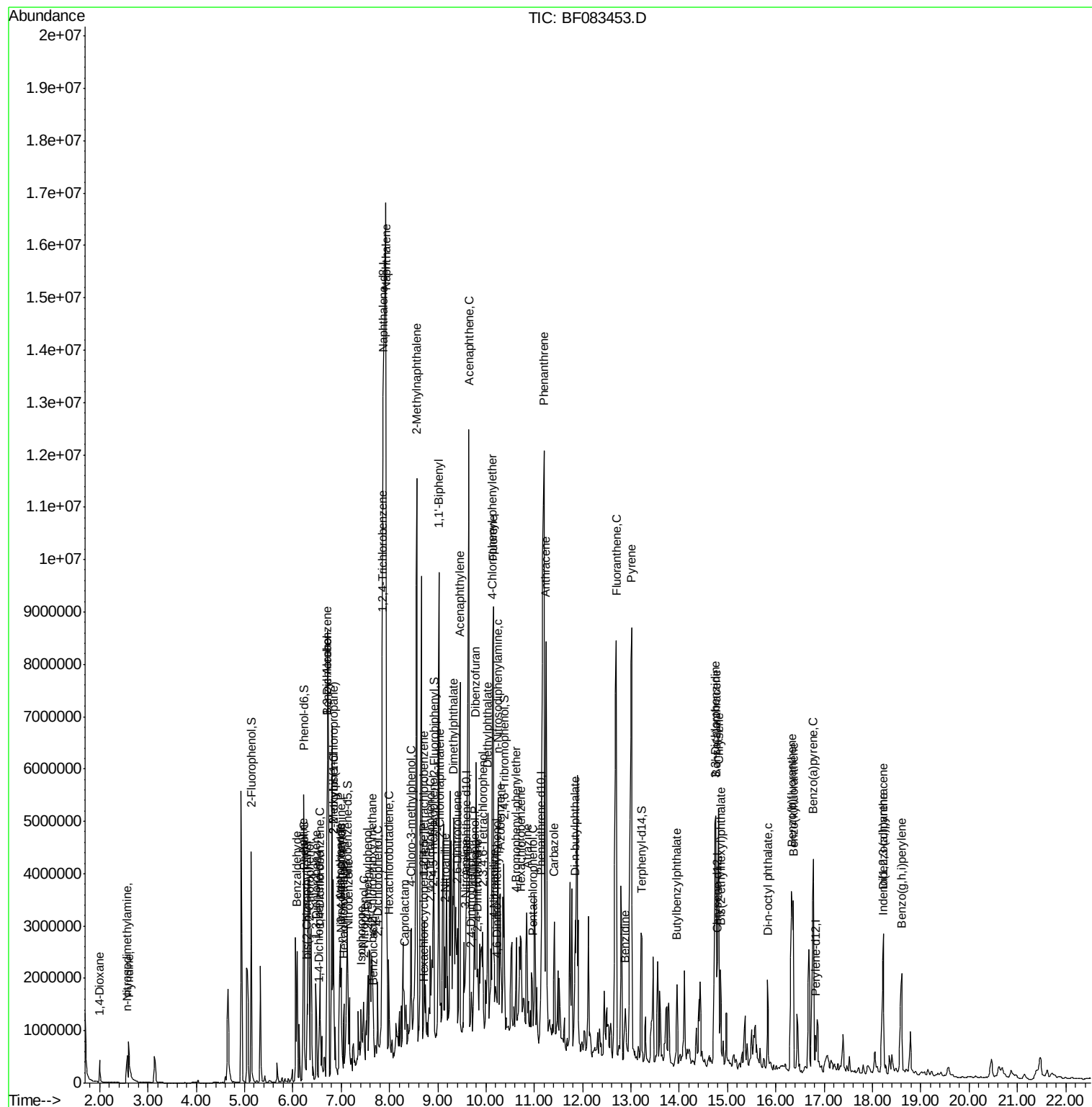
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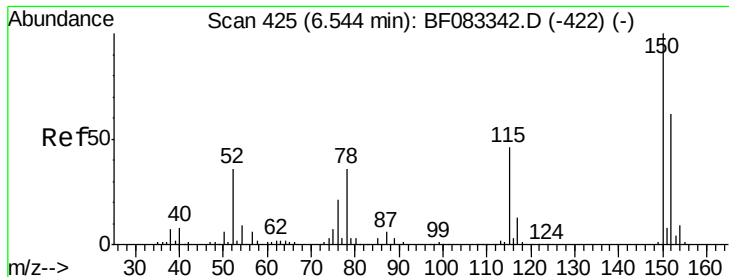
Instrument :
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SB-P3WC-09(0-8)MSD

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#1

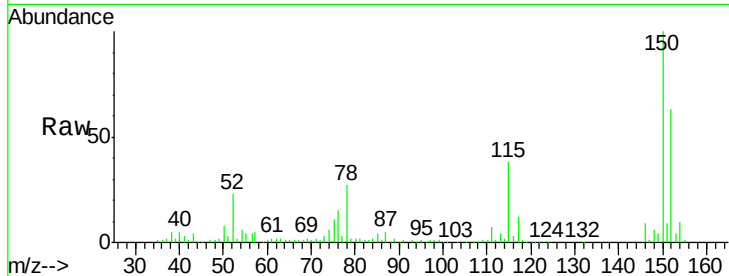
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.54 min Scan# 425
Delta R.T. 0.00 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	129.8	194.8
115	60.9	59.2	88.8

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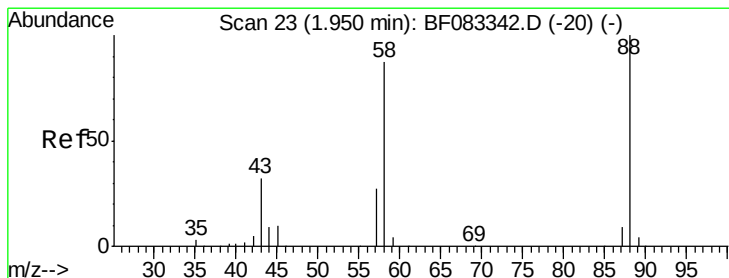
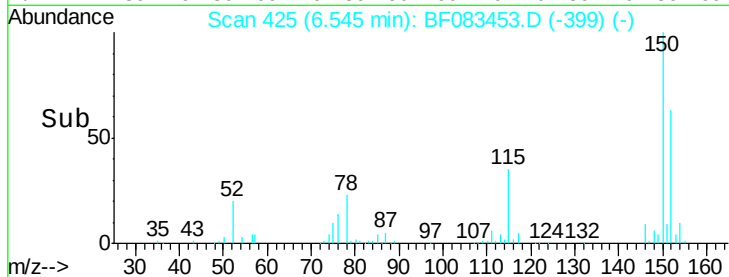
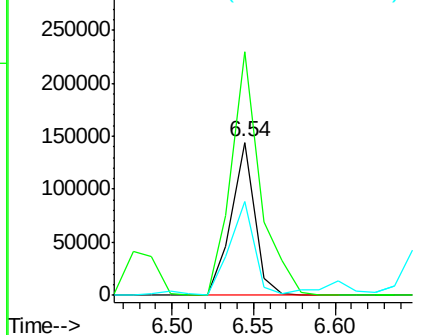


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

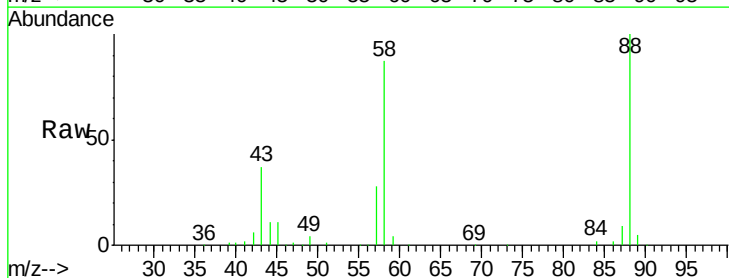
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 33.60 ng
RT: 2.00 min Scan# 27
Delta R.T. 0.05 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Tgt Ion	Ratio	Lower	Upper
88	100		
58	85.0	66.6	100.0
43	34.8	27.1	40.7

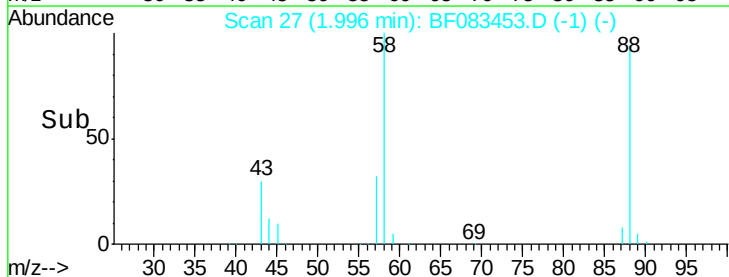
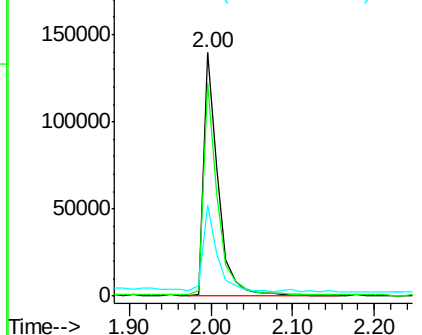


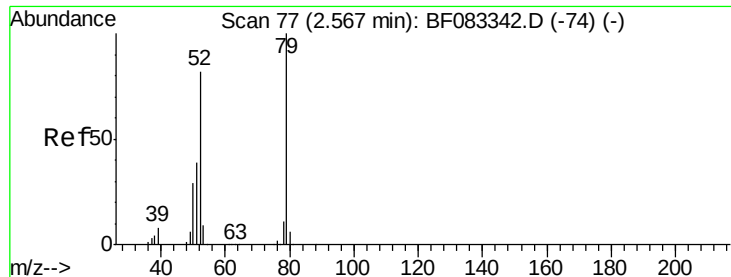
Abundance

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: 45.15 ng

RT: 2.60 min Scan# 80

Delta R.T. 0.04 min

Lab File: BF083453.D

Acq: 3 Dec 2015 9:57

Instrument :

BNA_F

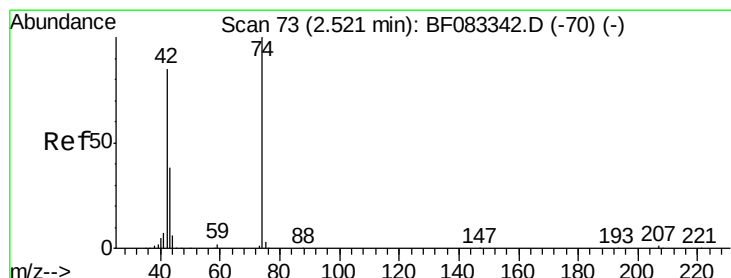
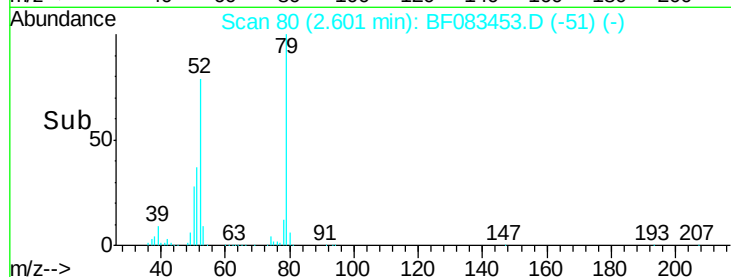
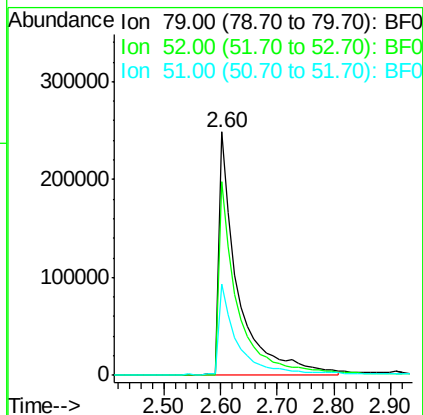
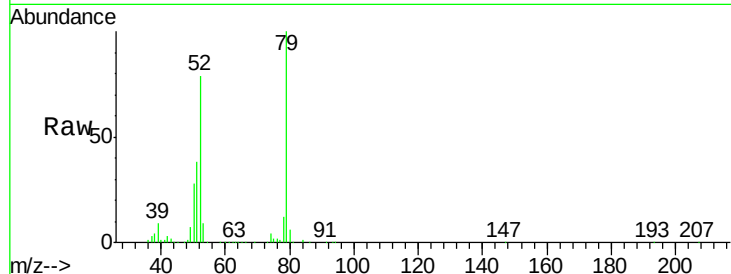
ClientSampleId :

SB-P3WC-09(0-8)MSD

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Tot Ion	Ion	Ratio	Lower	Upper
79	100			
52	79.4	65.9	98.9	
51	37.6	32.3	48.5	



#4

n-Nitrosodimethylamine

Concen: 46.59 ng

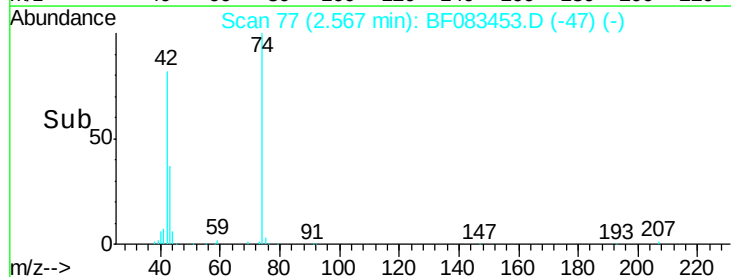
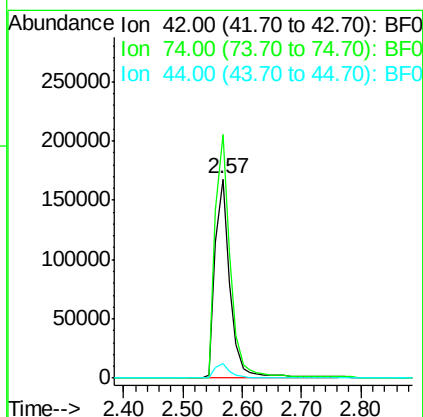
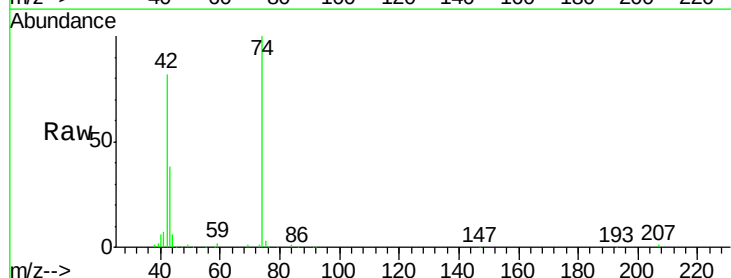
RT: 2.57 min Scan# 77

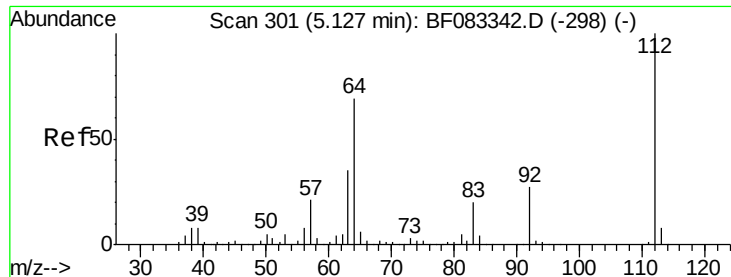
Delta R.T. 0.05 min

Lab File: BF083453.D

Acq: 3 Dec 2015 9:57

Tgt Ion	Ion	Ratio	Lower	Upper
42	100			
74	122.4	93.7	140.5	
44	7.3	5.6	8.4	





#5

2-Fluorophenol

Concen: 157.59 ng

RT: 5.14 min Scan# 302

Delta R.T. 0.01 min

Lab File: BF083453.D

Acq: 3 Dec 2015 9:57

Instrument :

BNA_F

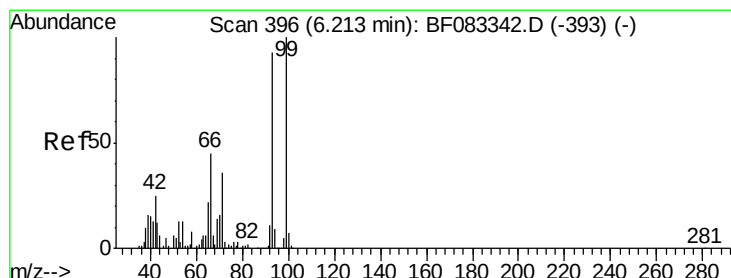
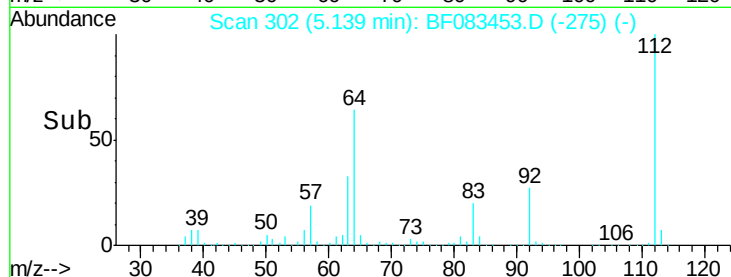
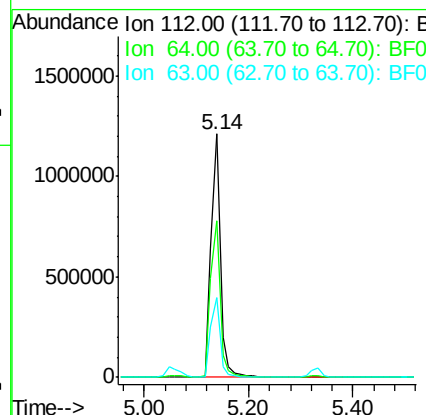
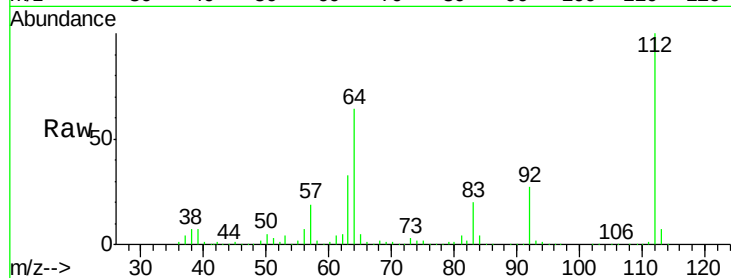
ClientSampleId :

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Tot Ion:	112	Resp:	1498878
Ion	Ratio	Lower	Upper
112	100		
64	64.2	55.6	83.4
63	32.6	28.2	42.2



#6

Aniline

Concen: 32.70 ng

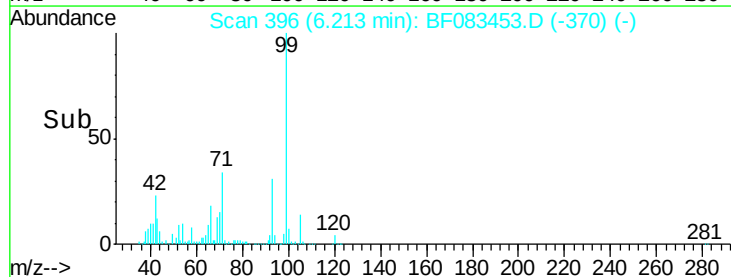
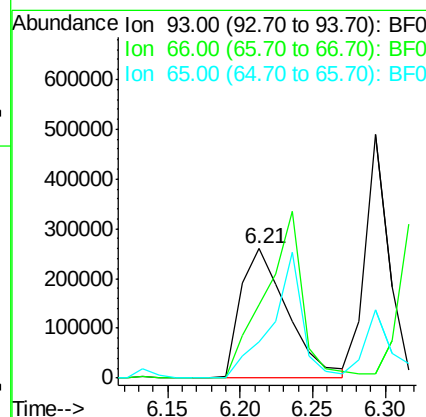
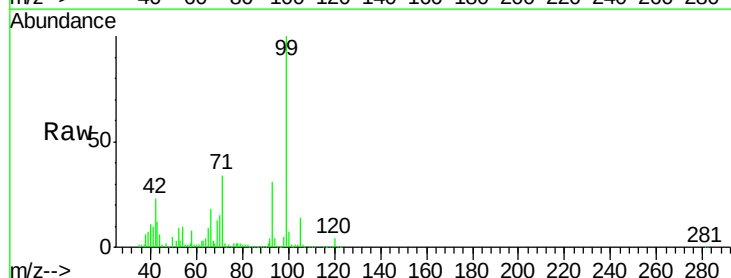
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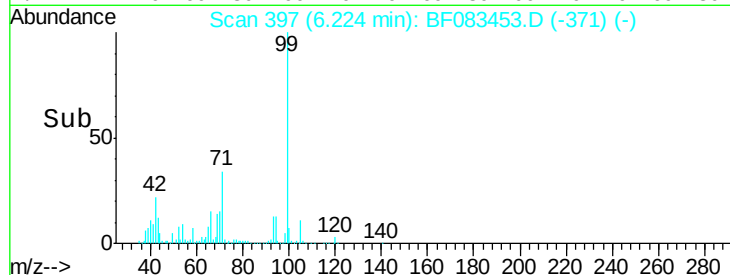
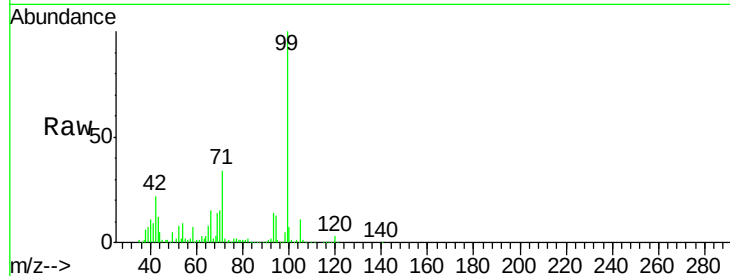
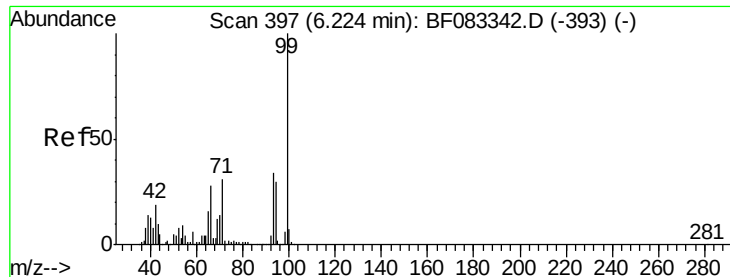
Delta R.T. 0.00 min

Lab File: BF083453.D

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Tgt Ion:	93	Resp:	582314
Ion	Ratio	Lower	Upper
93	100		
66	56.8	38.7	58.1
65	28.5	19.0	28.6





#7

Phenol-d6

Concen: 138.96 ng

RT: 6.22 min Scan# 397

Delta R.T. 0.00 min

Lab File: BF083453.D

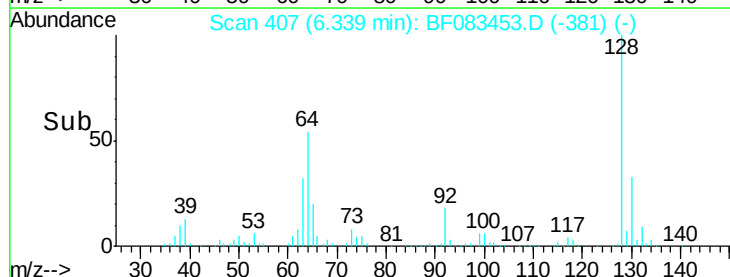
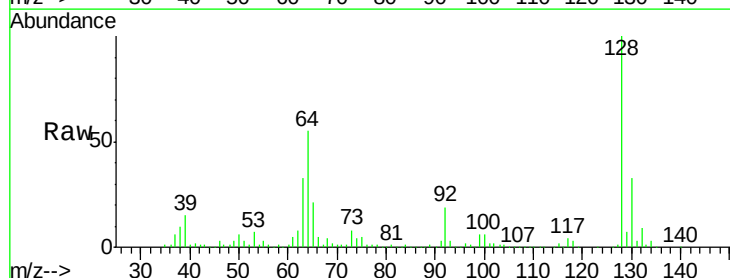
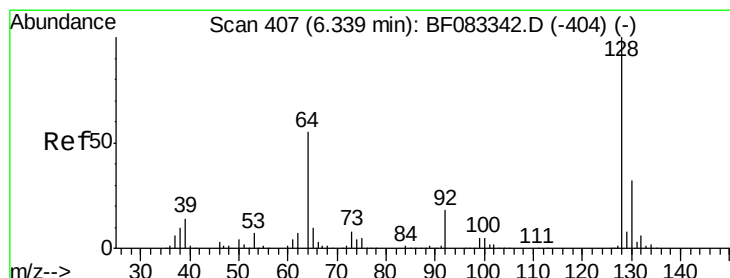
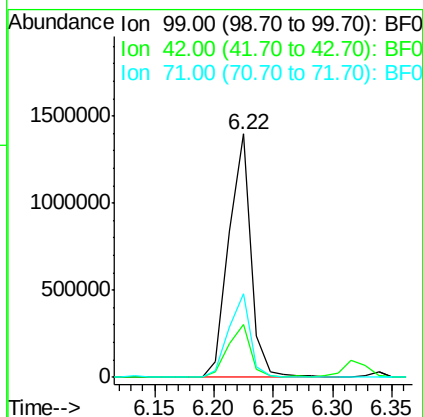
Acq: 3 Dec 2015 9:57

Tot Ion:	99	Resp:	1809010
Ion	Ratio	Lower	Upper
99	100		
42	22.0	14.9	22.3
71	34.4	24.7	37.1

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#8

2-Chlorophenol

Concen: 48.37 ng

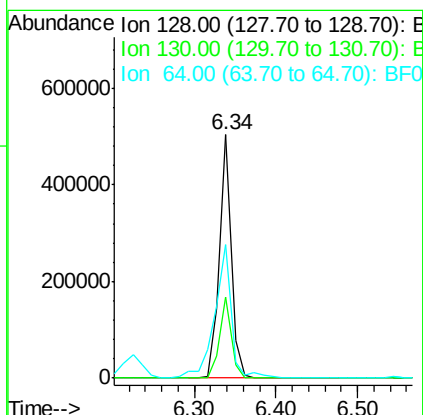
RT: 6.34 min Scan# 407

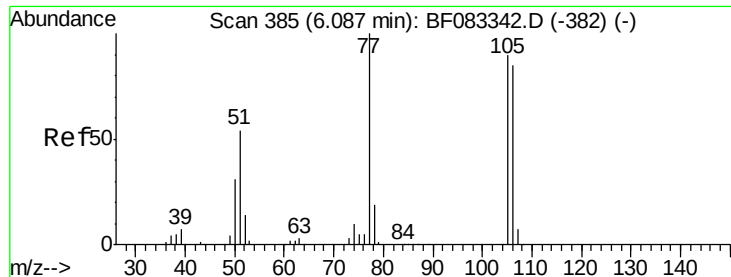
Delta R.T. 0.00 min

Lab File: BF083453.D

Acq: 3 Dec 2015 9:57

Tgt Ion:	128	Resp:	507520
Ion	Ratio	Lower	Upper
128	100		
130	33.3	12.3	52.3
64	54.6	36.4	76.4





#9

Benzaldehyde

Concen: 96.66 ng

RT: 6.09 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF083453.D

Acq: 3 Dec 2015 9:57

Instrument :

BNA_F

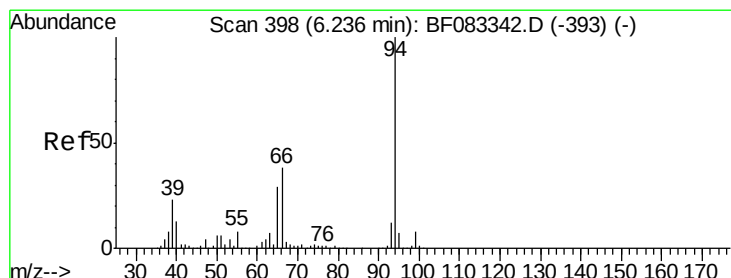
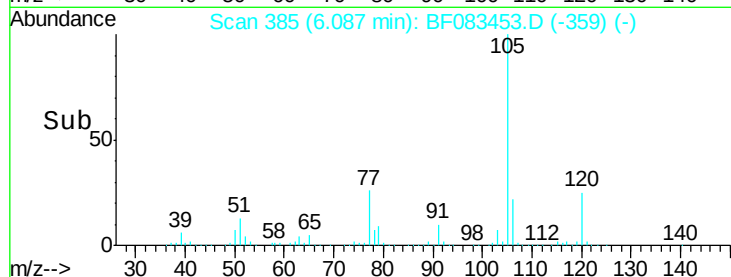
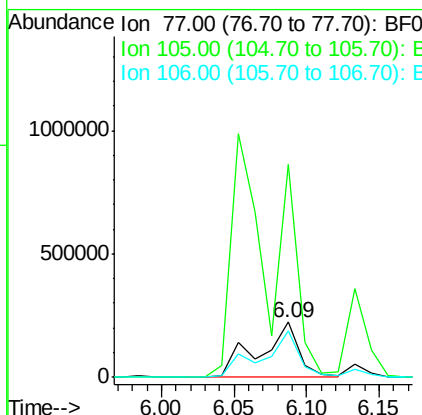
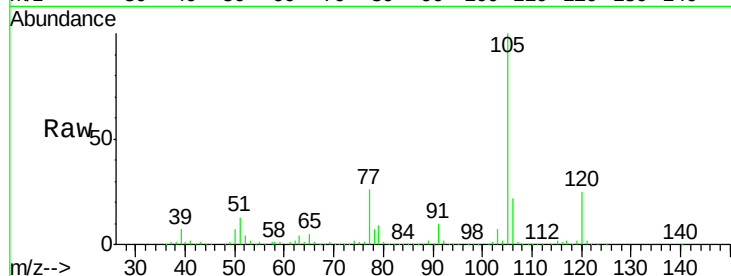
ClientSampleId :

SB-P3WC-09(0-8)MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	386.2	70.0	110.0#
106	85.3	65.0	105.0

Manual Integrations
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#10

Phenol

Concen: 53.12 ng

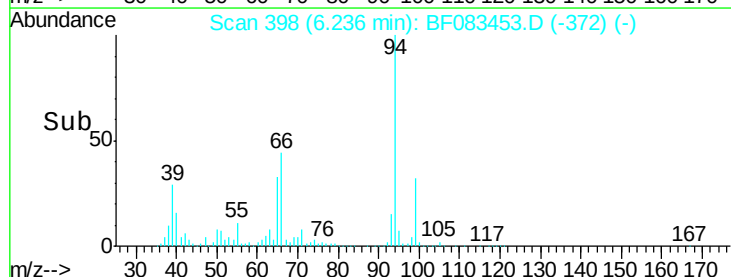
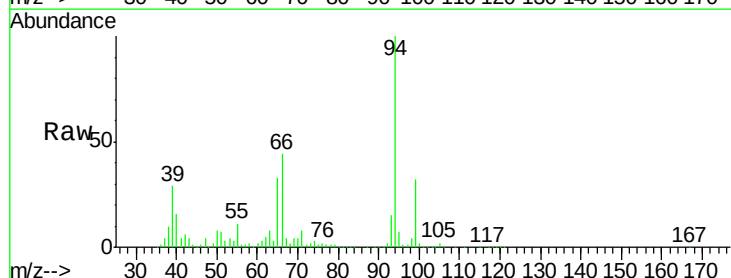
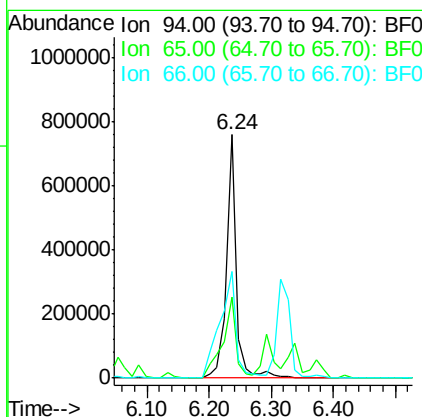
RT: 6.24 min Scan# 398

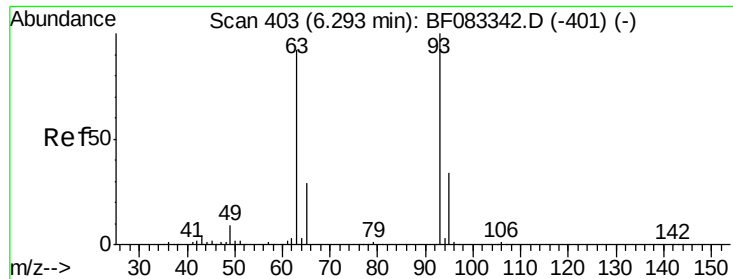
Delta R.T. 0.00 min

Lab File: BF083453.D

Acq: 3 Dec 2015 9:57

Tgt Ion	Ratio	Lower	Upper
94	100		
65	33.4	9.5	49.5
66	44.0	17.9	57.9





#11

bis(2-Chloroethyl)ether

Concen: 51.43 ng

RT: 6.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: BF083453.D

Acq: 3 Dec 2015 9:57

Instrument :

BNA_F

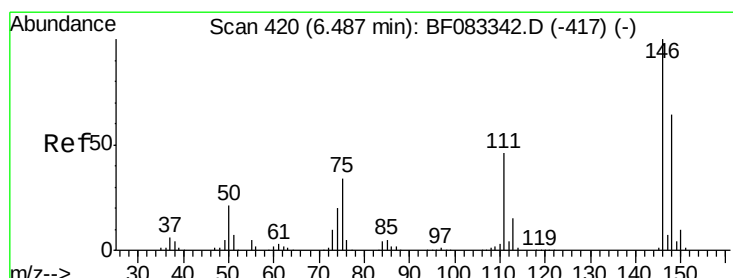
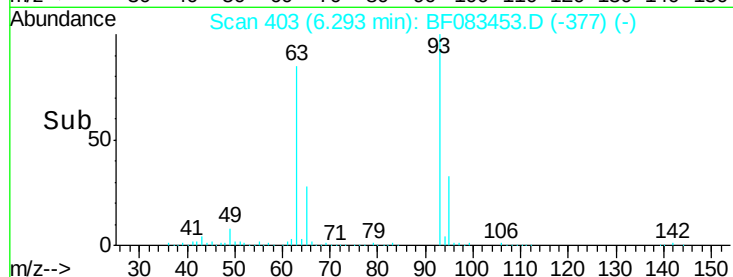
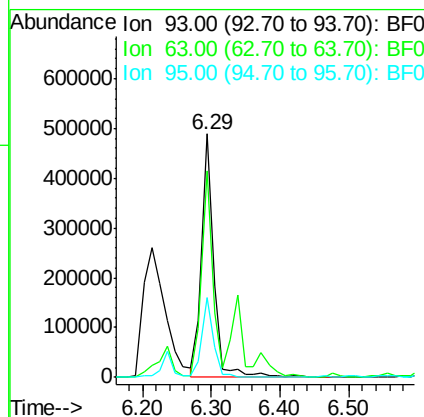
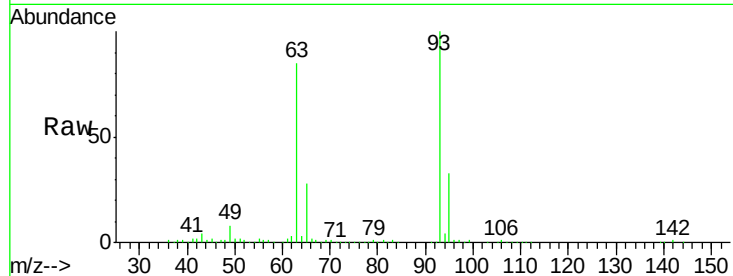
ClientSampleId :

SB-P3WC-09(0-8)MSD

Tot Ion:	93	Resp:	586059
Ion Ratio	Lower	Upper	
93	100		
63	84.7	71.4	111.4
95	32.6	13.4	53.4

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#12

1,3-Dichlorobenzene

Concen: 46.46 ng m

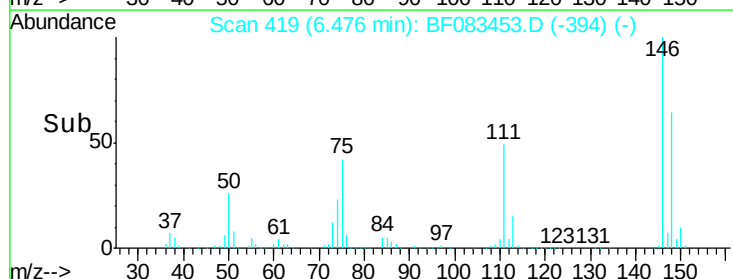
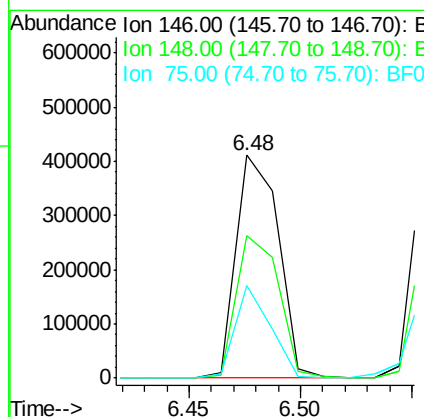
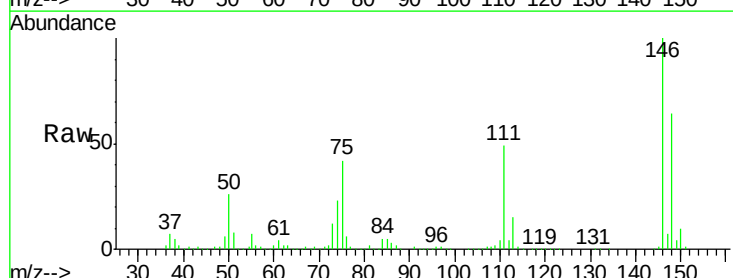
RT: 6.48 min Scan# 419

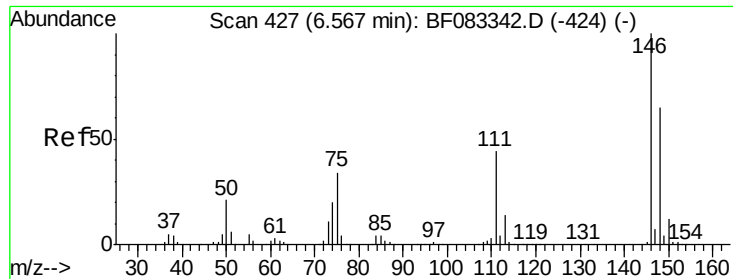
Delta R.T. -0.01 min

Lab File: BF083453.D

Acq: 3 Dec 2015 9:57

Tgt Ion:	146	Resp:	541758
Ion Ratio	Lower	Upper	
146	100		
148	64.0	51.1	76.7
75	41.5	27.5	41.3#





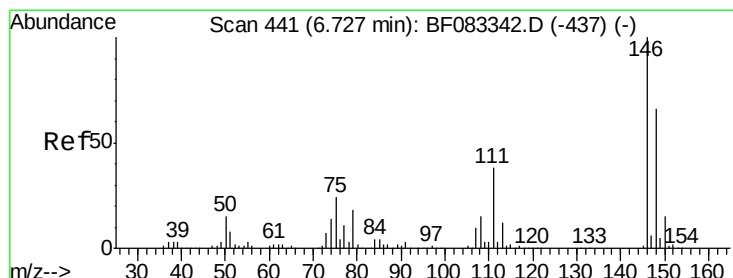
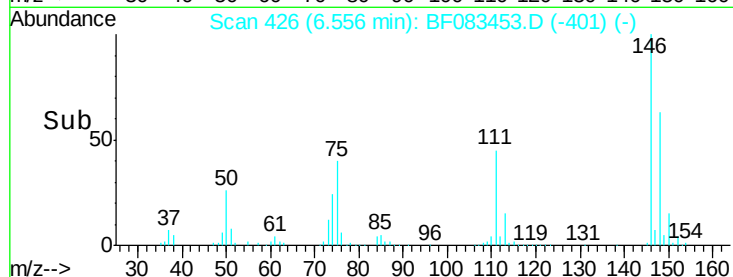
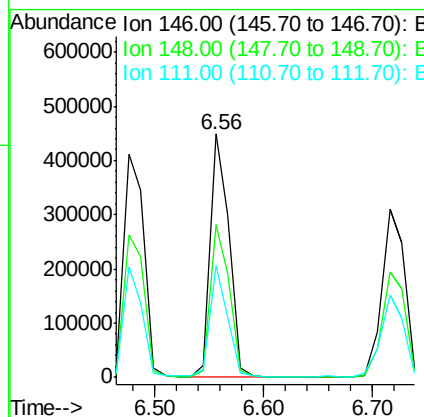
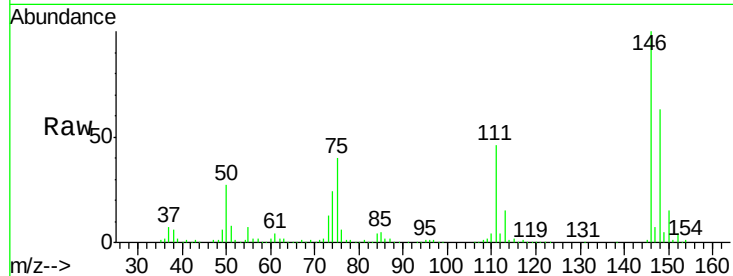
#13
 1,4-Dichlorobenzene
 Concen: 45.42 ng
 RT: 6.56 min Scan# 426
 Delta R.T. -0.01 min
 Lab File: BF083453.D
 Acq: 3 Dec 2015 9:57

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-09(0-8)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.6	52.1	78.1
111	46.0	35.4	53.0

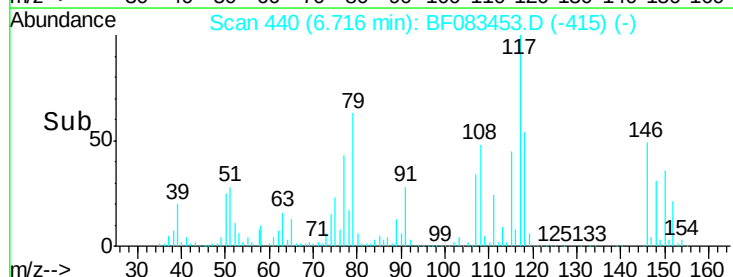
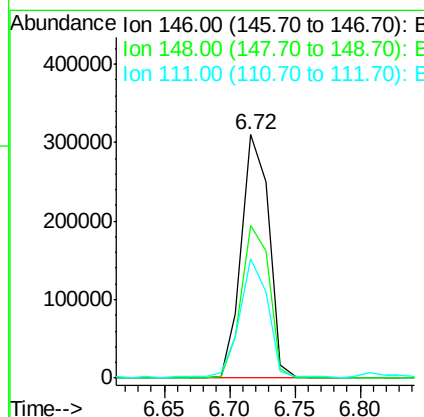
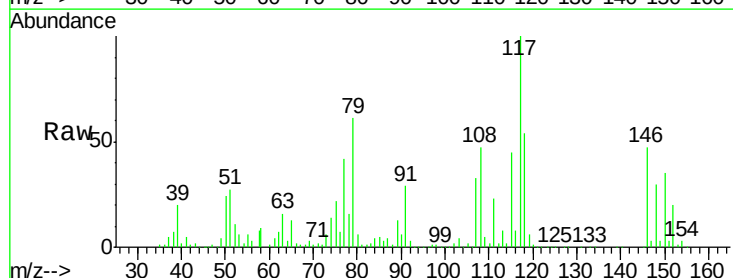
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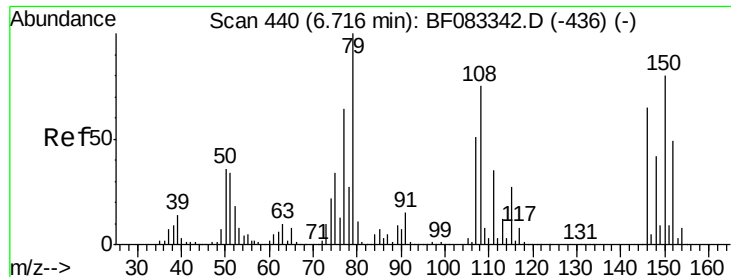
Mmdadoda
 12/3/2015 7:10:14 PM



#14
 1,2-Dichlorobenzene
 Concen: 41.20 ng
 RT: 6.72 min Scan# 440
 Delta R.T. -0.01 min
 Lab File: BF083453.D
 Acq: 3 Dec 2015 9:57

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.8	52.5	78.7
111	48.8	30.6	46.0





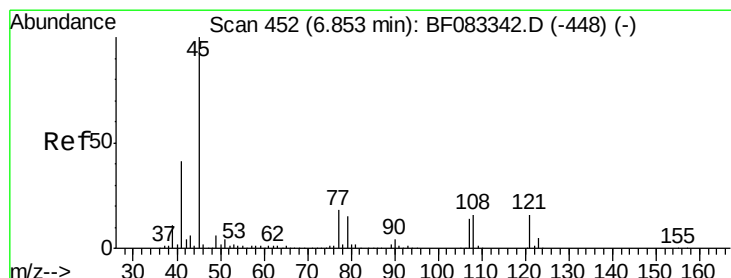
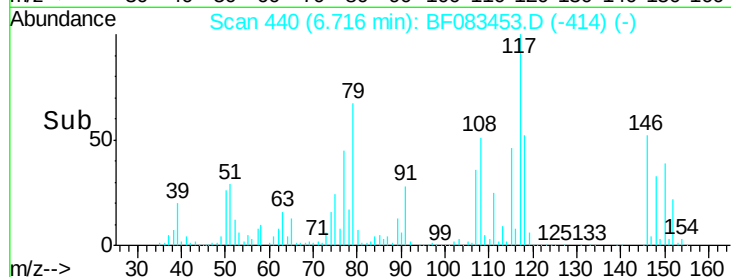
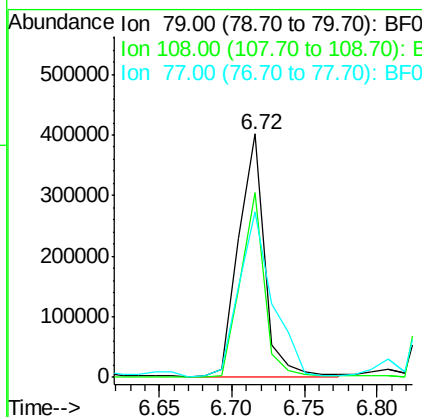
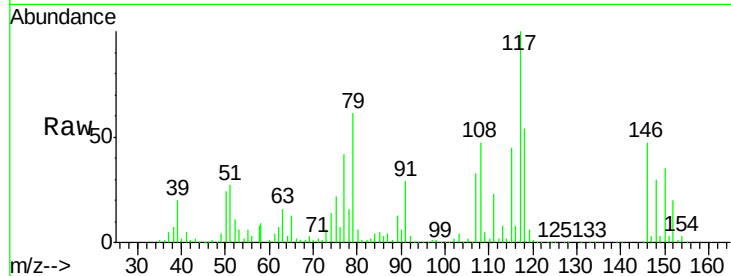
#15
Benzyl Alcohol
Concen: 49.61 ng
RT: 6.72 min Scan# 440
Delta R.T. 0.00 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	75.9	59.9	89.9
77	68.1	51.0	76.6

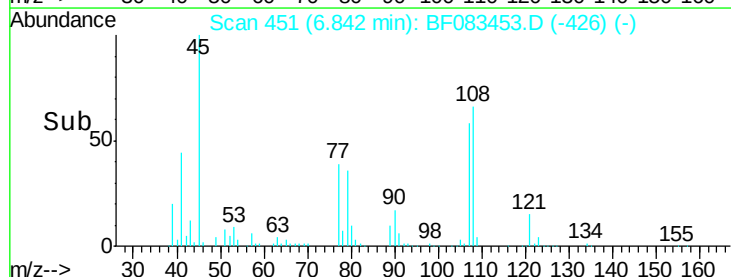
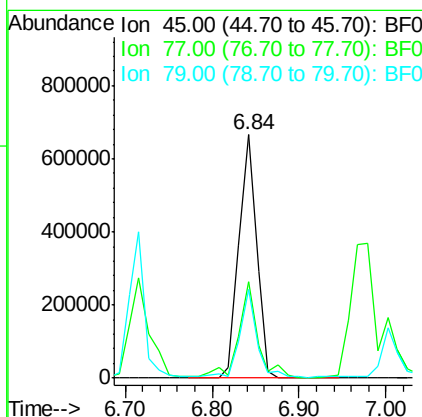
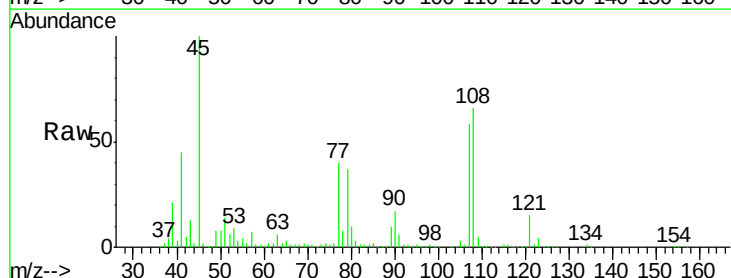
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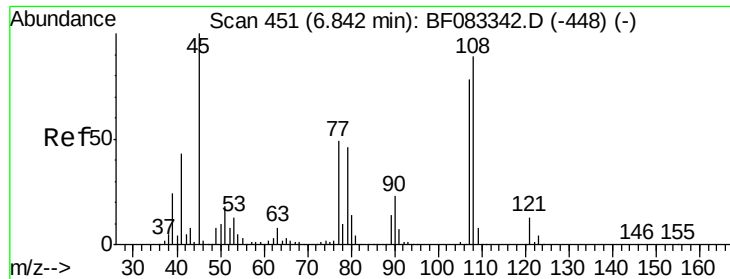
Mmdadoda
12/3/2015 7:10:14 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.08 ng
RT: 6.84 min Scan# 451
Delta R.T. -0.01 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Tgt Ion	Ratio	Lower	Upper
45	100		
77	39.7	0.0	38.3#
79	36.6	0.0	35.4#





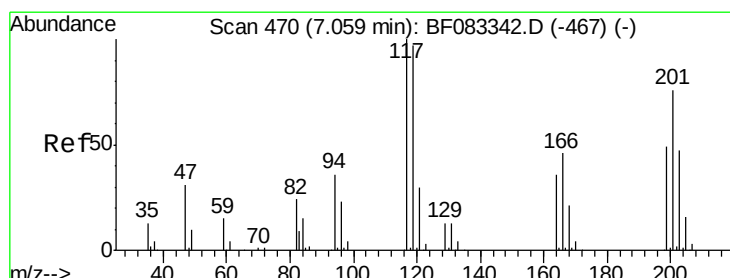
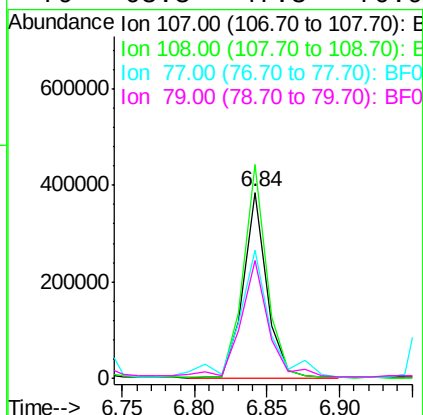
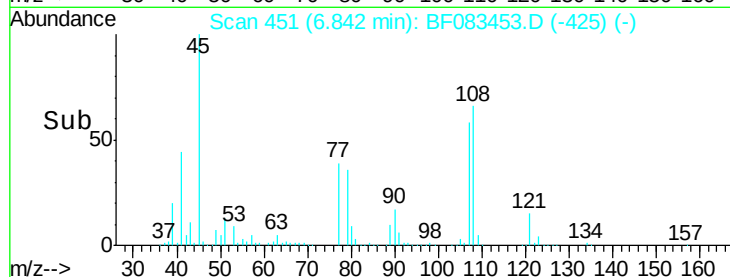
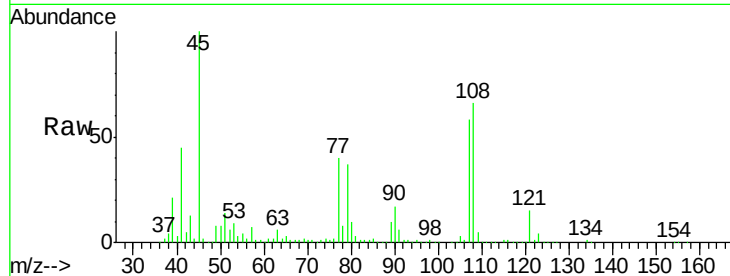
#17
2-Methylphenol
Concen: 49.50 ng
RT: 6.84 min Scan# 451
Delta R.T. 0.00 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	115.1	91.6	137.4	
77	68.8	49.9	74.9	
79	63.3	47.3	70.9	

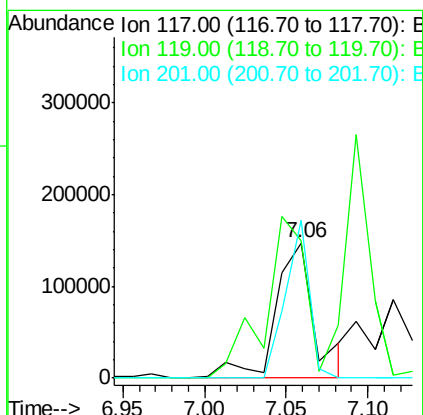
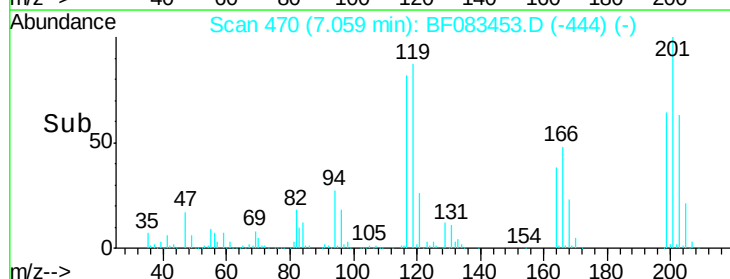
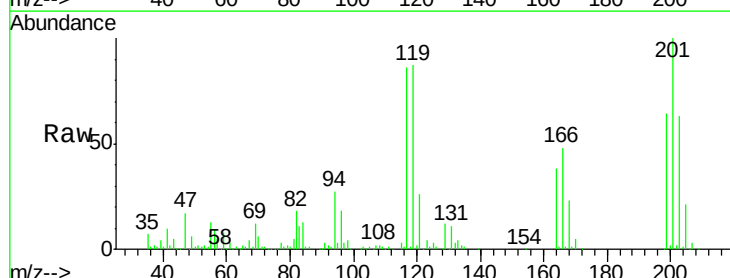
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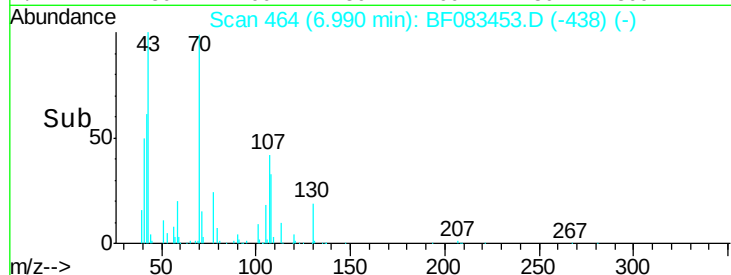
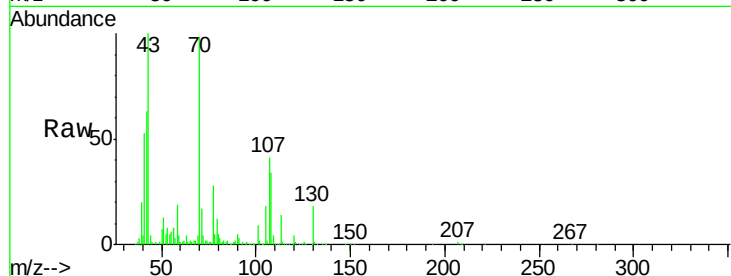
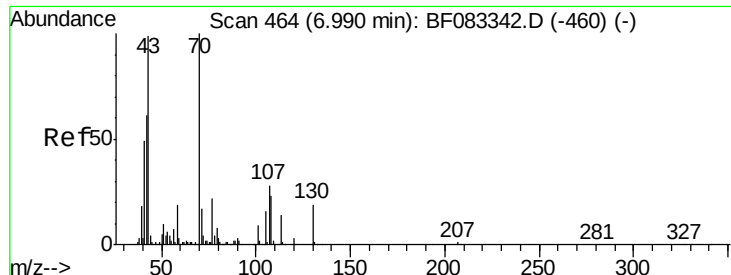
Mmdadoda
12/3/2015 7:10:14 PM



#18
Hexachloroethane
Concen: 57.35 ng
RT: 7.06 min Scan# 470
Delta R.T. 0.00 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	101.4	77.3	115.9	
201	116.6	60.6	90.8#	





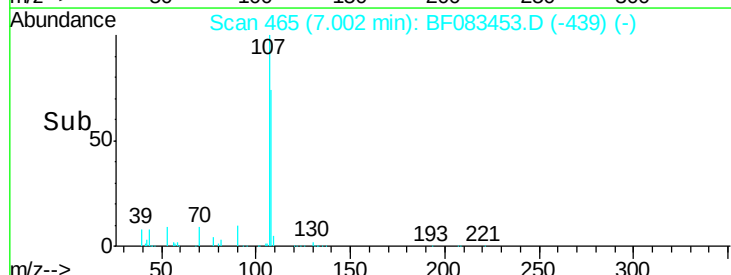
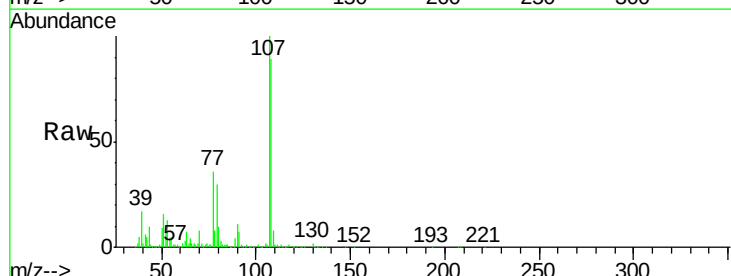
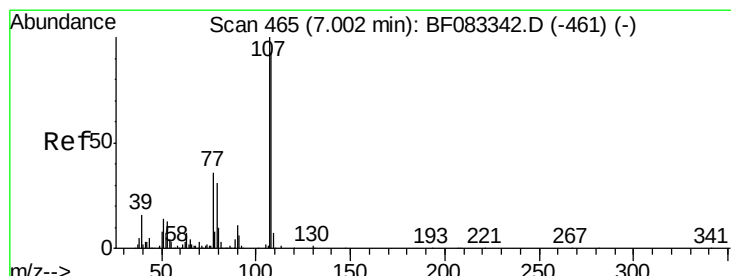
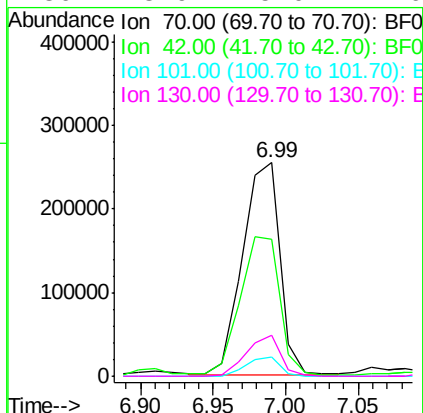
#19
n-Nitroso-di-n-propylamine
Concen: 48.59 ng
RT: 6.99 min Scan# 464
Delta R.T. 0.00 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MSD

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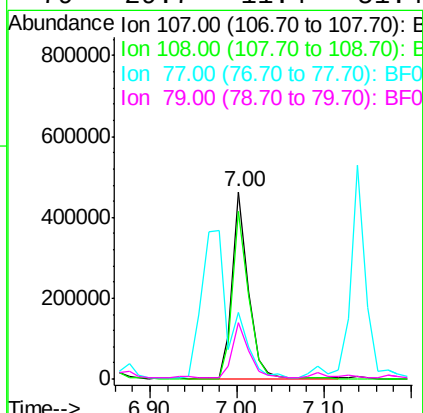
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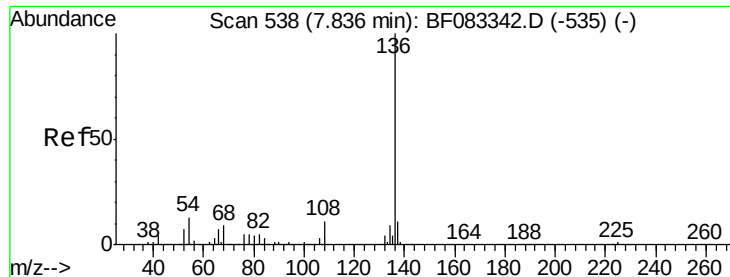
Tot Ion	Ratio	Lower	Upper
70	100		
42	64.4	48.8	73.2
101	9.0	7.1	10.7
130	18.9	15.0	22.6



#20
3+4-Methylphenols
Concen: 49.51 ng
RT: 7.00 min Scan# 465
Delta R.T. 0.00 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.4	73.0	113.0
77	35.5	16.8	56.8
79	29.7	11.4	51.4





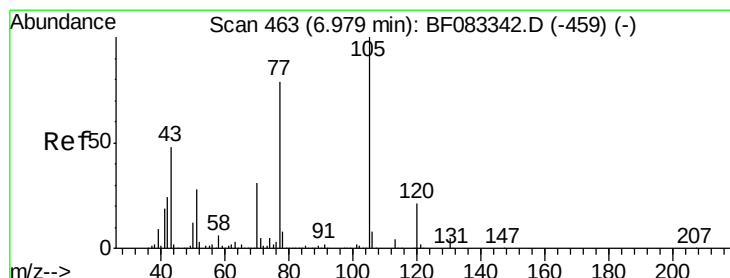
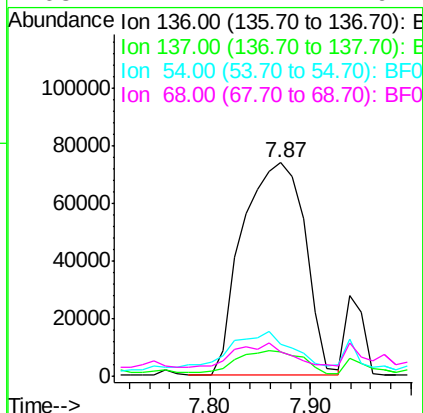
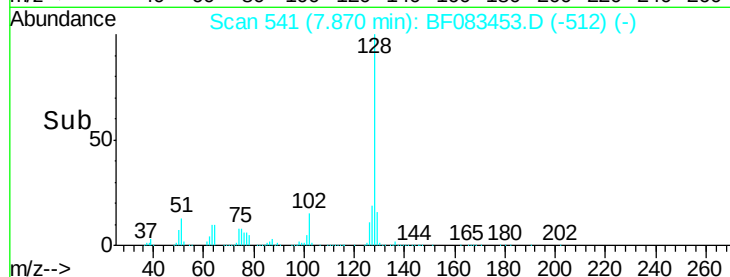
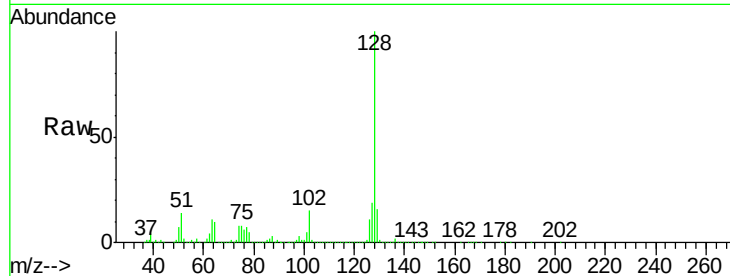
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.87 min Scan# 541
Delta R.T. 0.03 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	9.0	13.4	
54	14.8	10.1	15.1	
68	11.2	7.1	10.7	

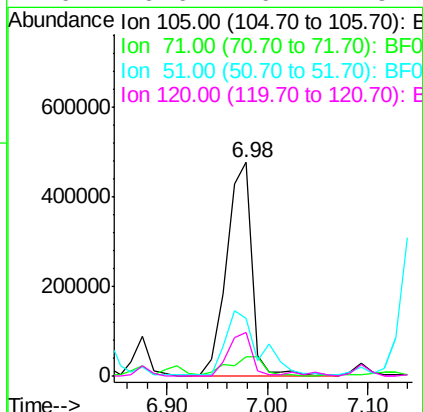
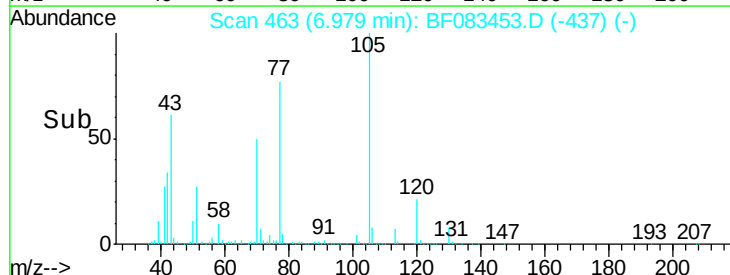
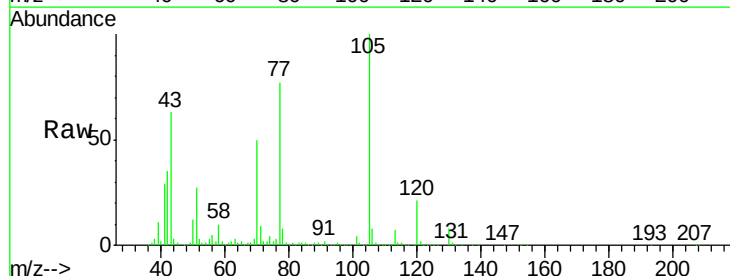
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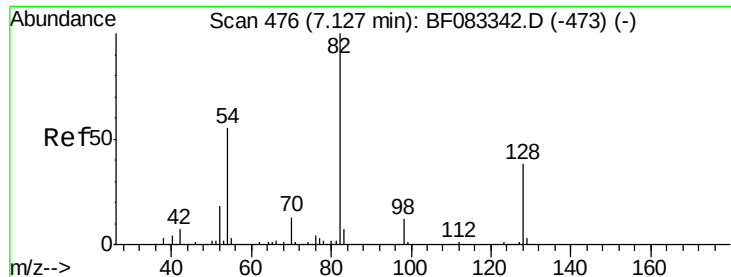
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#22
Acetophenone
Concen: 87.45 ng
RT: 6.98 min Scan# 463
Delta R.T. 0.00 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	8.9	4.3	6.5	
51	27.3	22.9	34.3	
120	20.6	16.7	25.1	





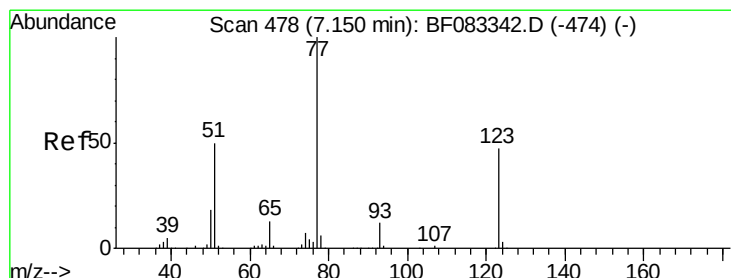
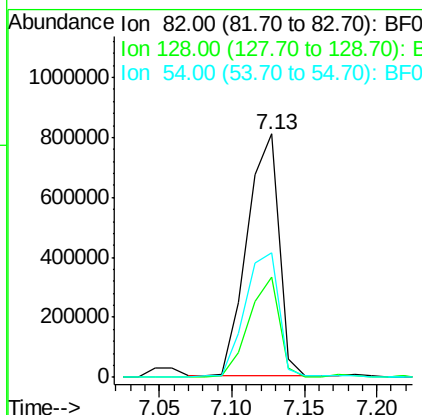
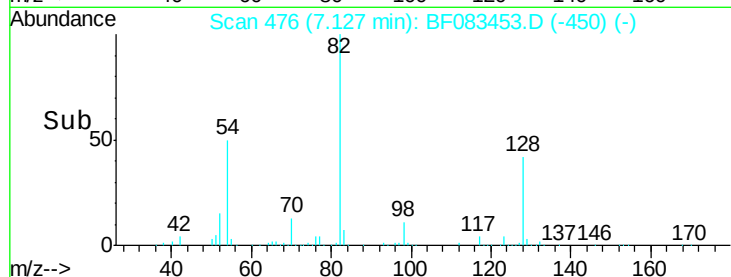
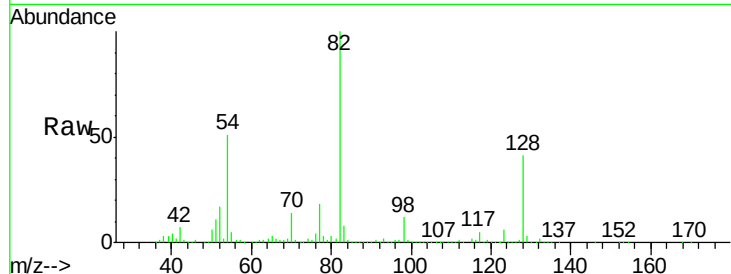
#23
 Nitrobenzene-d5
 Concen: 170.48 ng
 RT: 7.13 min Scan# 476
 Delta R.T. 0.00 min
 Lab File: BF083453.D
 Acq: 3 Dec 2015 9:57

Instrument :
 BNA_F
 ClientSampleID :
 SB-P3WC-09(0-8)MSD

Tot Ion	82	Resp	1231459
Ion Ratio	100	Lower	Upper
128	41.4	30.6	46.0
54	51.2	43.8	65.6

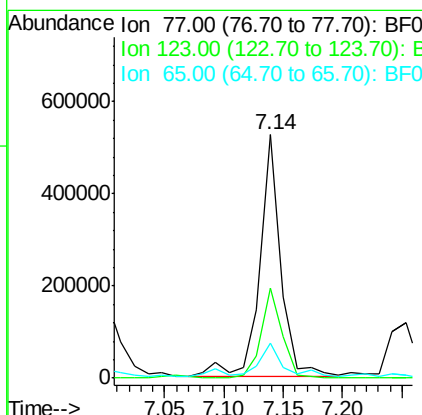
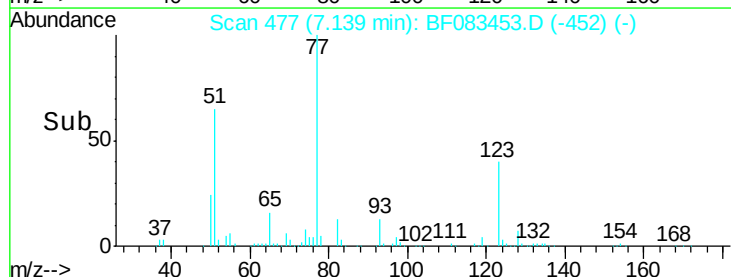
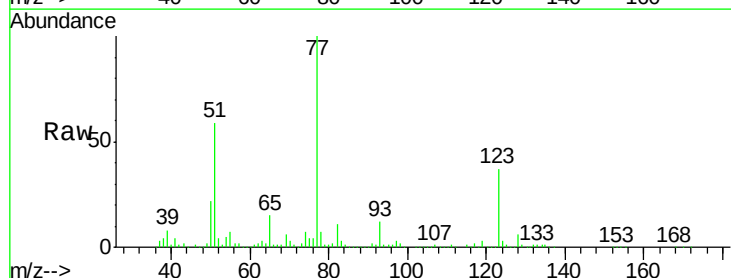
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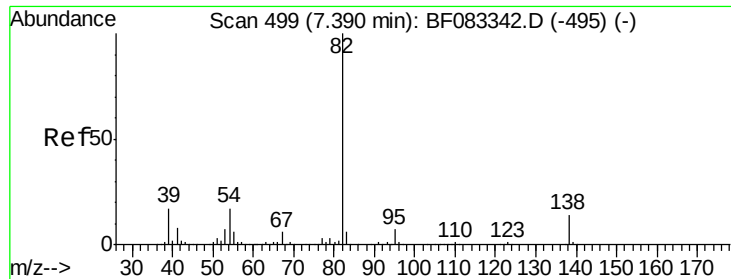
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 12/3/2015 7:10:14 PM



#24
 Nitrobenzene
 Concen: 84.32 ng
 RT: 7.14 min Scan# 477
 Delta R.T. -0.01 min
 Lab File: BF083453.D
 Acq: 3 Dec 2015 9:57

Tgt Ion	77	Resp	650398
Ion Ratio	100	Lower	Upper
123	37.0	37.4	56.0#
65	14.6	10.6	15.8





#25

Isophorone

Concen: 88.28 ng

RT: 7.41 min Scan# 501

Delta R.T. 0.02 min

Lab File: BF083453.D

Acq: 3 Dec 2015 9:57

Instrument :

BNA_F

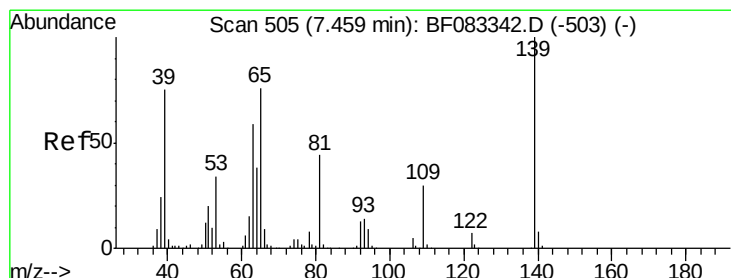
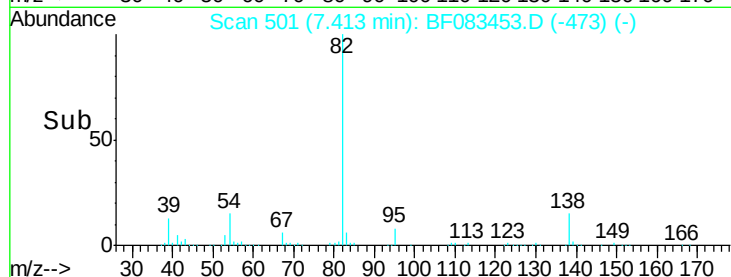
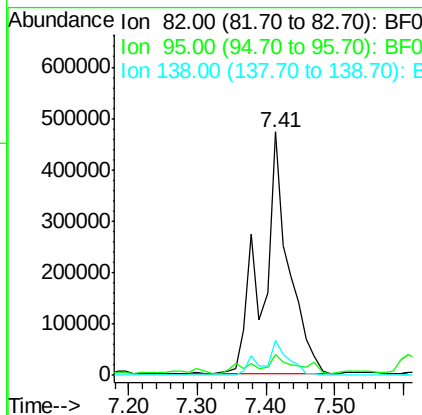
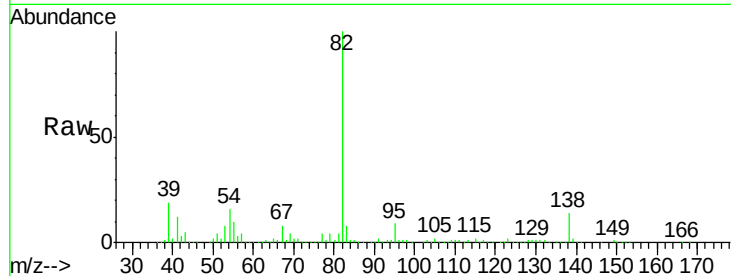
ClientSampleId :

SB-P3WC-09(0-8)MSD

Tot Ion:	82	Resp:	1235261
Ion Ratio	Lower	Upper	
82	100		
95	8.8	5.3	7.9#
138	14.3	11.6	17.4

Manual Integrations
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#26

2-Nitrophenol

Concen: 91.24 ng

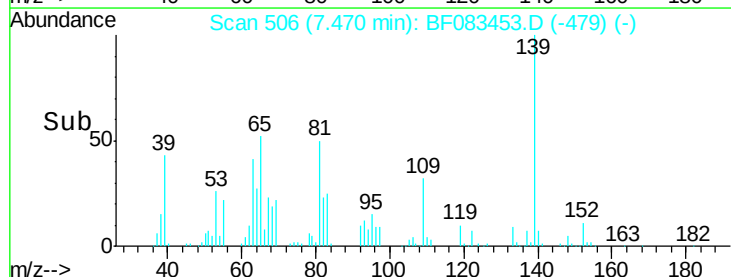
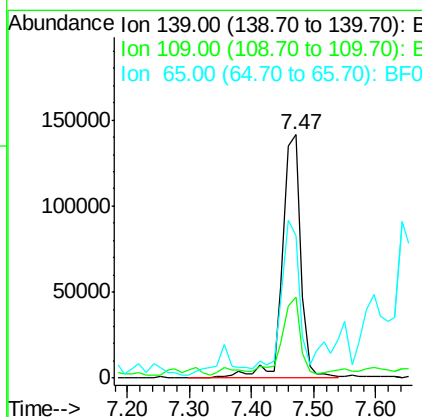
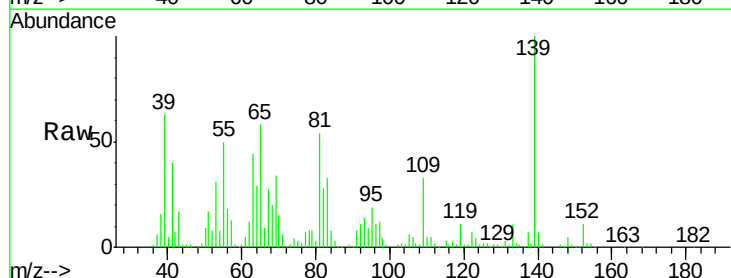
RT: 7.47 min Scan# 506

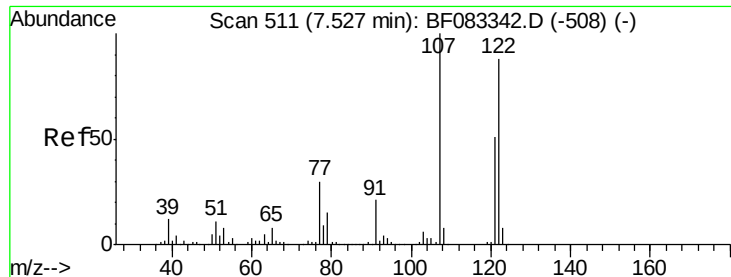
Delta R.T. 0.01 min

Lab File: BF083453.D

Acq: 3 Dec 2015 9:57

Tgt Ion:	139	Resp:	287301
Ion Ratio	Lower	Upper	
139	100		
109	33.4	24.2	36.4
65	58.4	61.0	91.6#





#27

2,4-Dimethylphenol

Concen: 90.44 ng

RT: 7.55 min Scan# 513

Delta R.T. 0.02 min

Lab File: BF083453.D

Acq: 3 Dec 2015 9:57

Instrument :

BNA_F

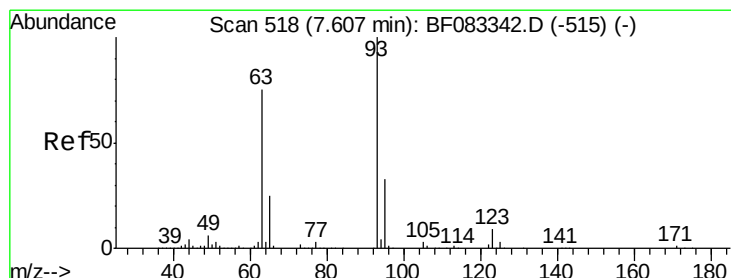
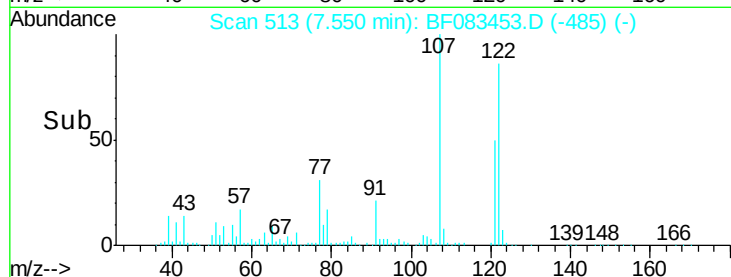
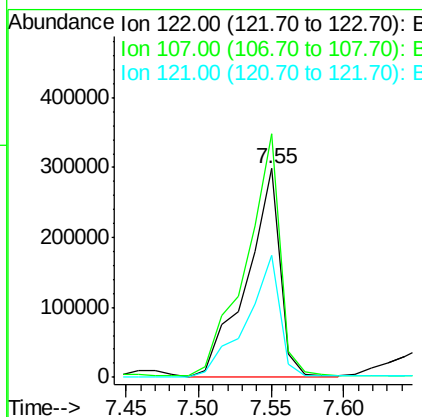
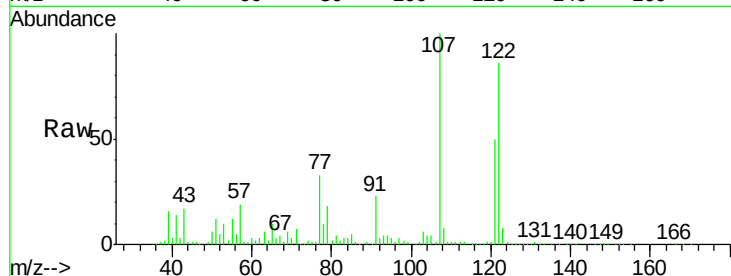
ClientSampleId :

SB-P3WC-09(0-8)MSD

Tot Ion:	122	Resp:	477398
Ion Ratio	Lower	Upper	
122	100		
107	116.6	91.2	136.8
121	58.7	46.4	69.6

Manual Integrations
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#28

bis(2-Chloroethoxy)methane

Concen: 85.21 ng m

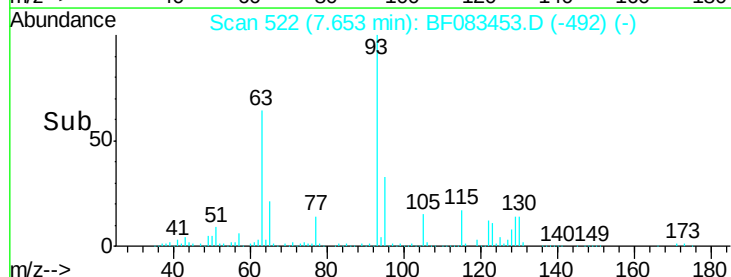
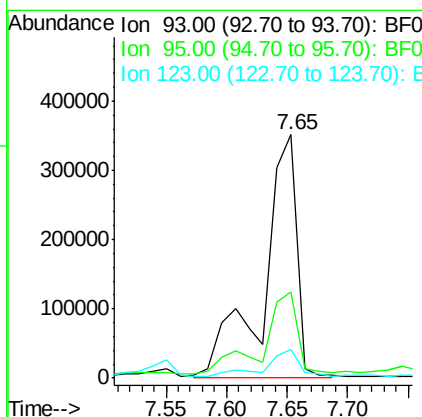
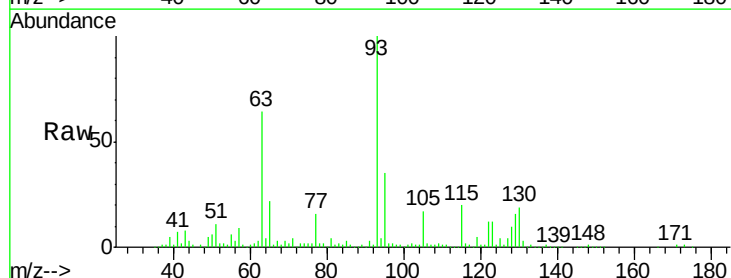
RT: 7.65 min Scan# 522

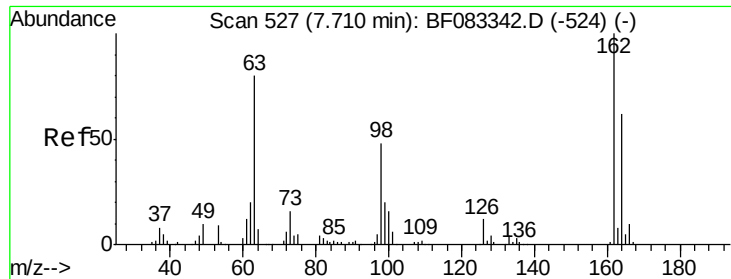
Delta R.T. 0.05 min

Lab File: BF083453.D

Acq: 3 Dec 2015 9:57

Tgt Ion:	93	Resp:	679009
Ion Ratio	Lower	Upper	
93	100		
95	35.3	26.1	39.1
123	12.0	7.4	11.0#





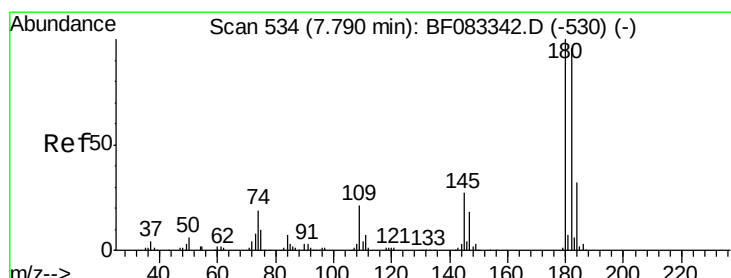
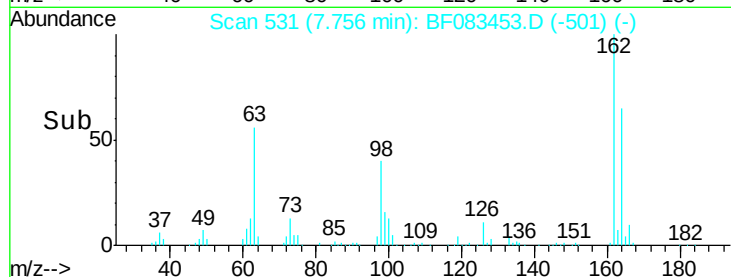
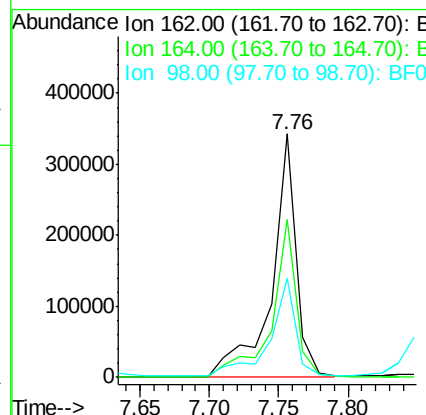
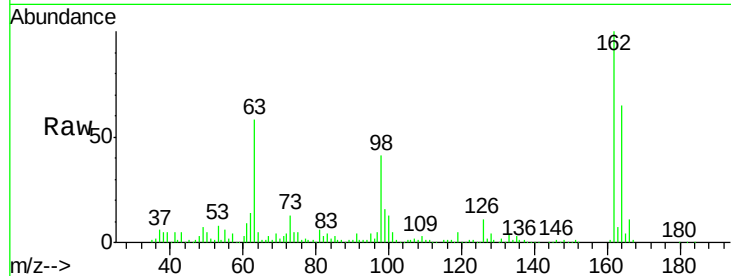
#29
2,4-Dichlorophenol
Concen: 85.17 ng m
RT: 7.76 min Scan# 531
Delta R.T. 0.05 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	432387		
164	65.0	41.9	81.9	
98	40.8	28.1	68.1	

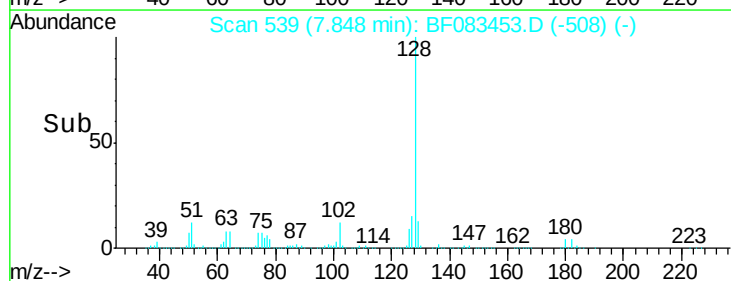
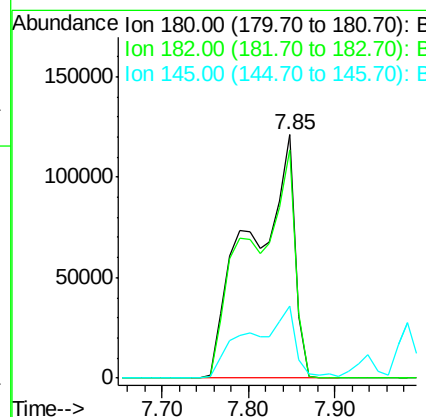
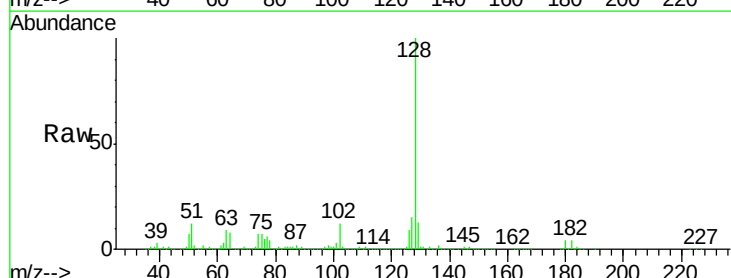
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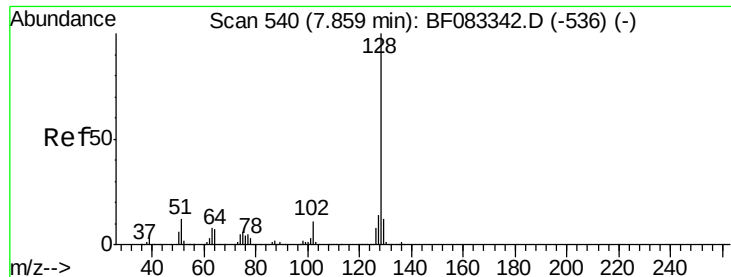
Mmdadoda
12/3/2015 7:10:14 PM



#30
1,2,4-Trichlorobenzene
Concen: 76.27 ng m
RT: 7.85 min Scan# 539
Delta R.T. 0.06 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	421444		
182	94.0	77.2	115.8	
145	29.6	21.4	32.2	





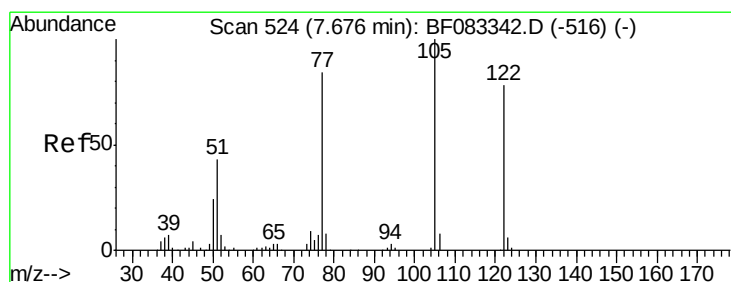
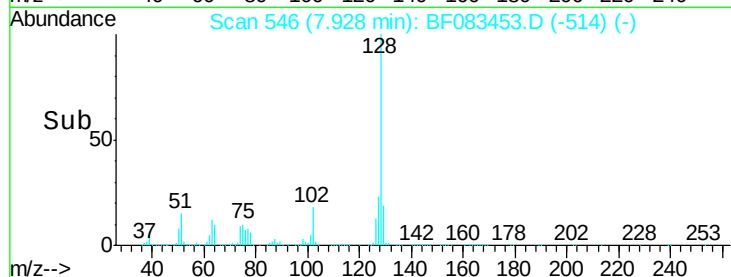
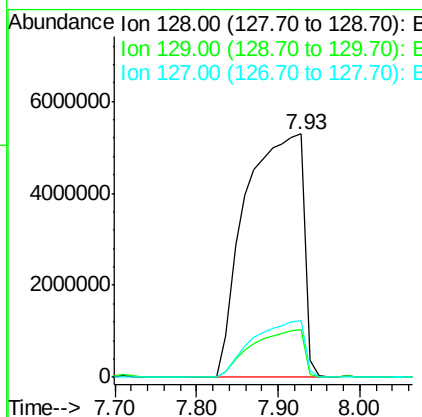
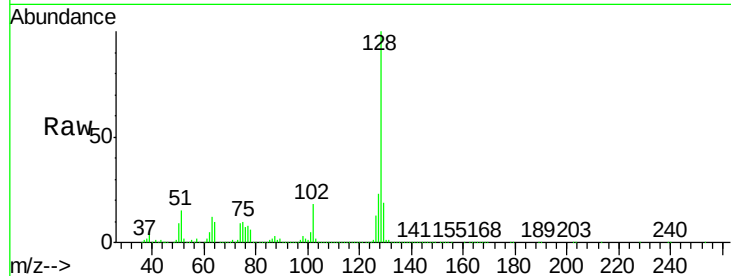
#31
Naphthalene
Concen: 1511.74 ng
RT: 7.93 min Scan# 546
Delta R.T. 0.07 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MSD

Tot Ion:128 Resp:26046130
Ion Ratio Lower Upper
128 100
129 19.5 9.7 14.5#
127 23.1 11.0 16.4#

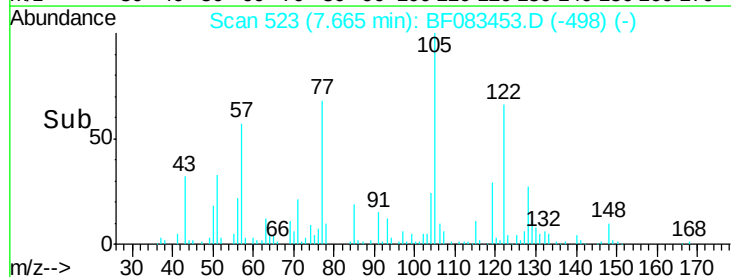
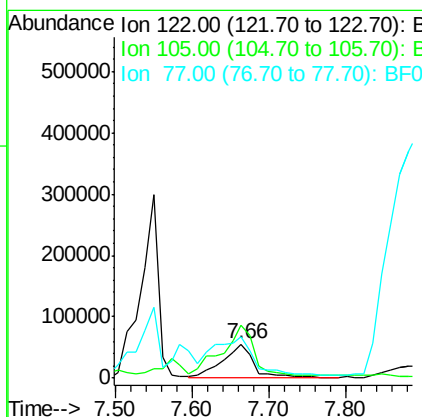
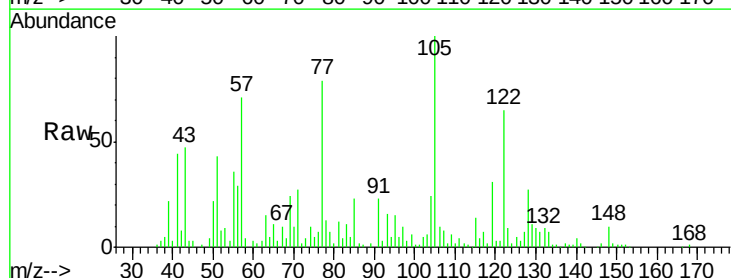
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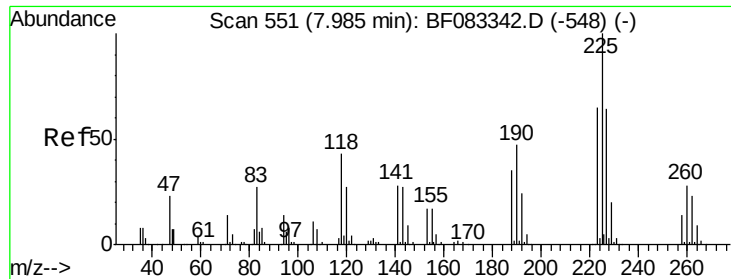
Mmdadoda
12/3/2015 7:10:14 PM



#32
Benzoic acid
Concen: 41.67 ng
RT: 7.66 min Scan# 523
Delta R.T. -0.01 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Tgt Ion:122 Resp: 151712
Ion Ratio Lower Upper
122 100
105 153.7 106.0 146.0#
77 122.1 86.3 126.3





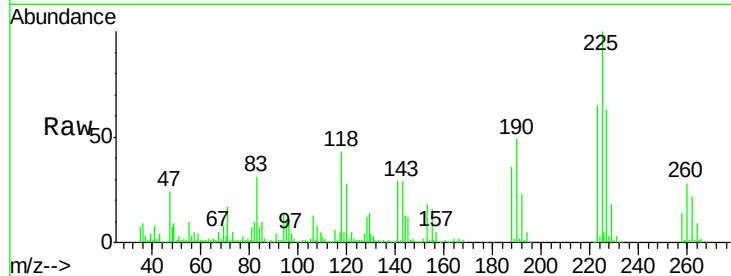
#34
Hexachlorobutadiene
Concen: 75.79 ng
RT: 7.98 min Scan# 551
Delta R.T. 0.00 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MSD

Tot Ion	Ratio	Resp	Lower	Upper
225	100	237800		
223	64.7	52.0	78.0	
227	62.7	51.1	76.7	

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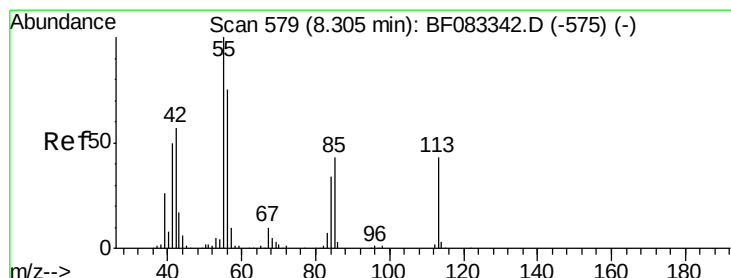
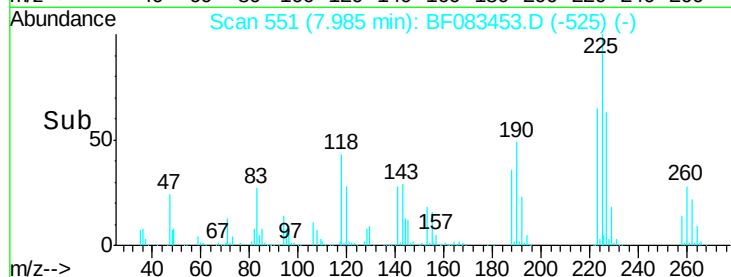
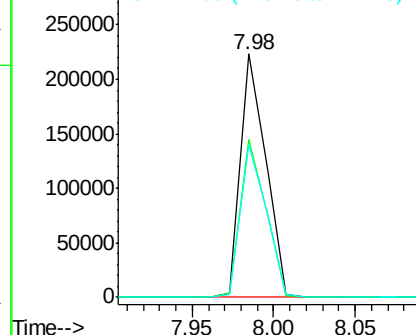


Abundance

Ion 225.00 (224.70 to 225.70): E

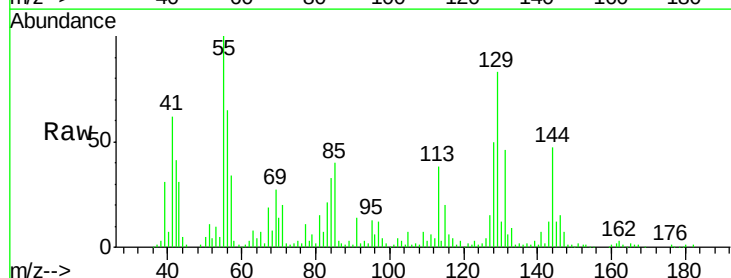
Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#35
Caprolactam
Concen: 110.44 ng
RT: 8.30 min Scan# 579
Delta R.T. 0.00 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	177150		
55	260.7	211.6	251.6#	
56	169.1	153.0	193.0	

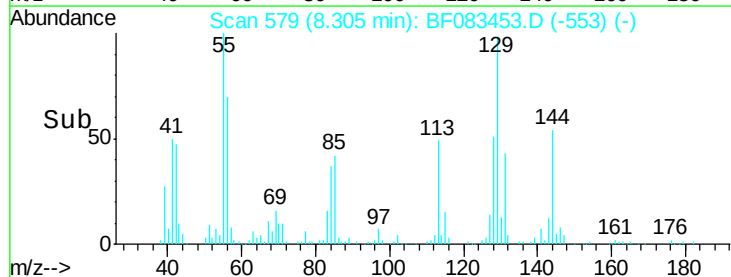
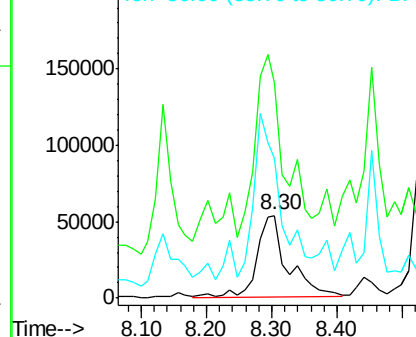


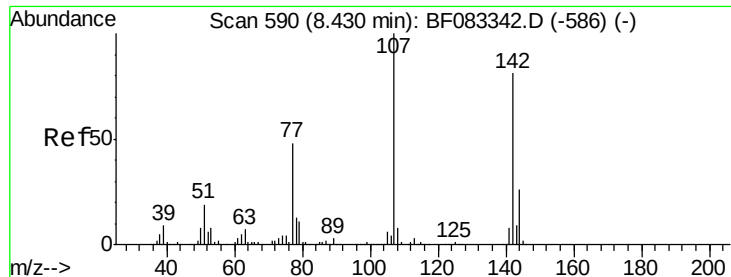
Abundance

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





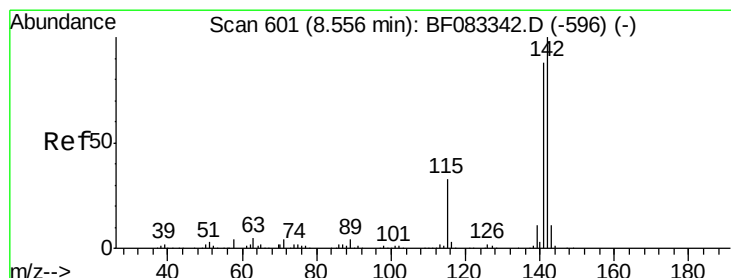
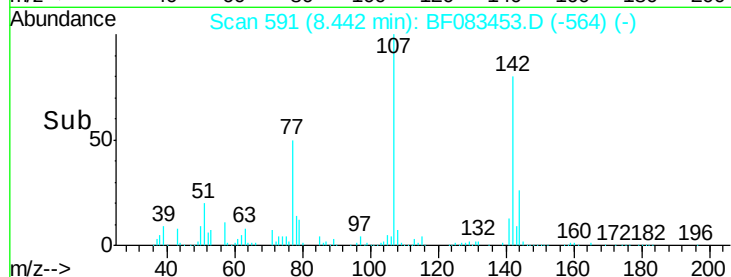
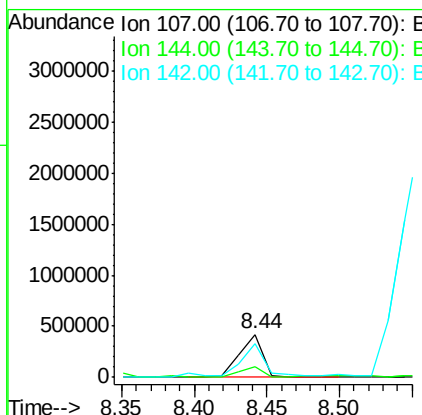
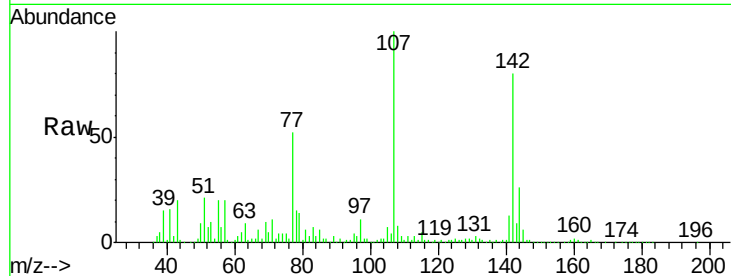
#36
4-Chloro-3-methylphenol
Concen: 81.55 ng
RT: 8.44 min Scan# 591
Delta R.T. 0.01 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MSD

Tot Ion	Ratio	Lower	Upper
107	100		
144	25.9	21.1	31.7
142	79.8	65.1	97.7

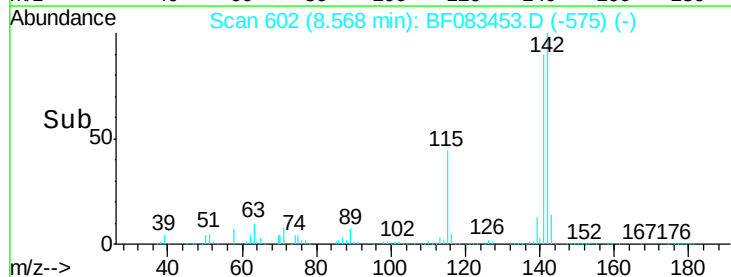
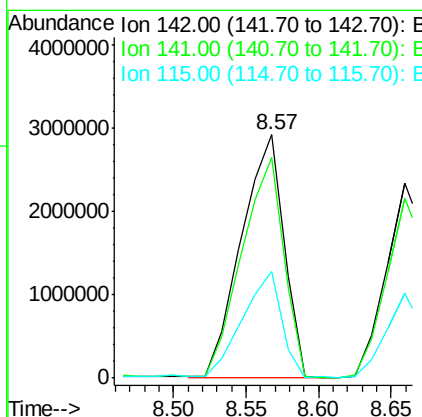
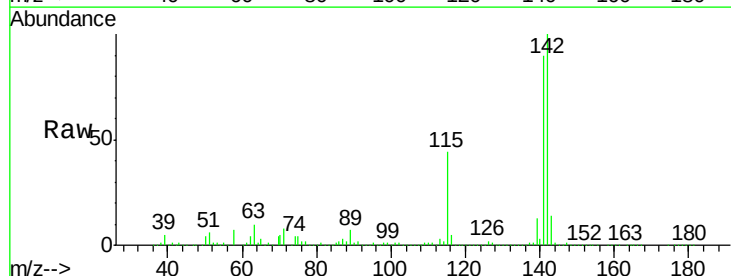
Manual Integrations
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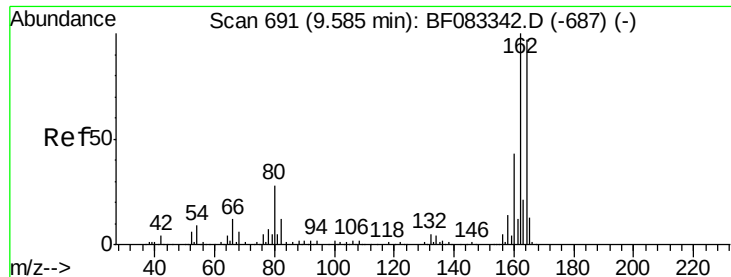
Mmdadoda
12/3/2015 7:10:14 PM



#37
2-Methylnaphthalene
Concen: 515.08 ng
RT: 8.57 min Scan# 602
Delta R.T. 0.01 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.5	70.6	105.8
115	44.1	26.2	39.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.58 min Scan# 691

Delta R.T. 0.00 min

Lab File: BF083453.D

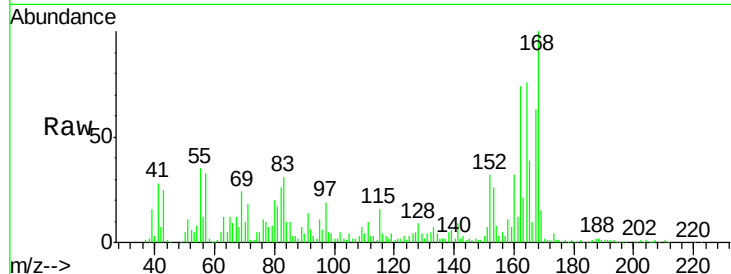
Acq: 3 Dec 2015 9:57

Instrument :

BNA_F

ClientSampleId :

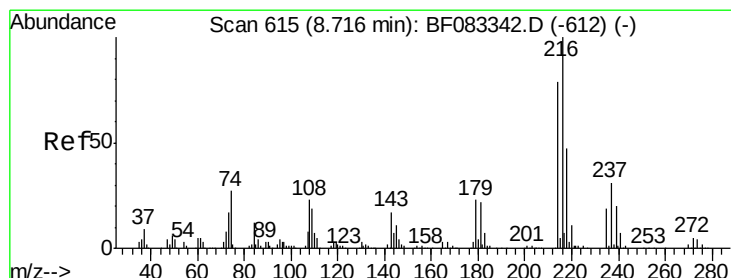
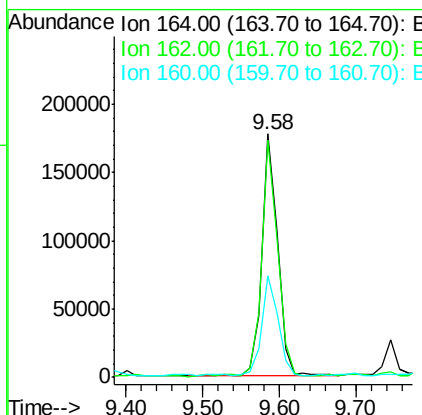
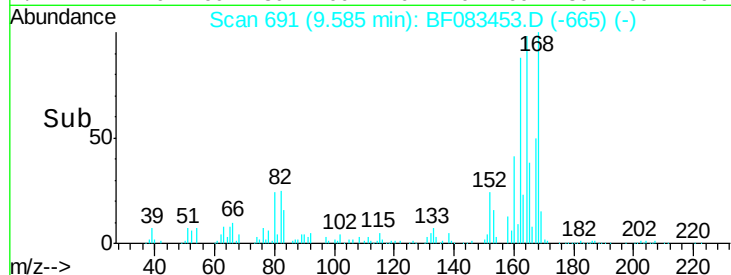
SB-P3WC-09(0-8)MSD



Tot Ion	164	Resp	248317
Ion Ratio	Lower	Upper	
164	100		
162	97.4	82.6	123.8
160	41.6	35.3	52.9

Manual Integrations
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12/3/2015 7:10:14 PM



#39

1,2,4,5-Tetrachlorobenzene

Concen: 47.04 ng

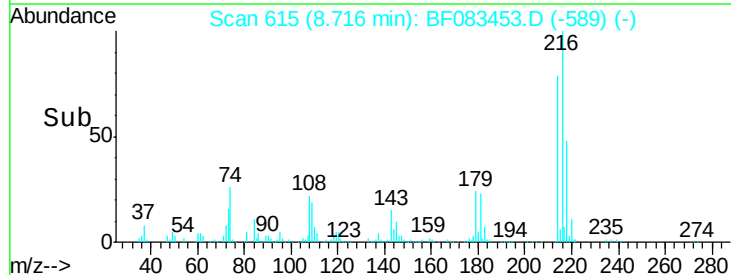
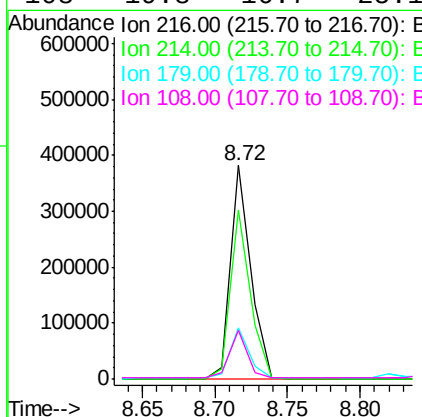
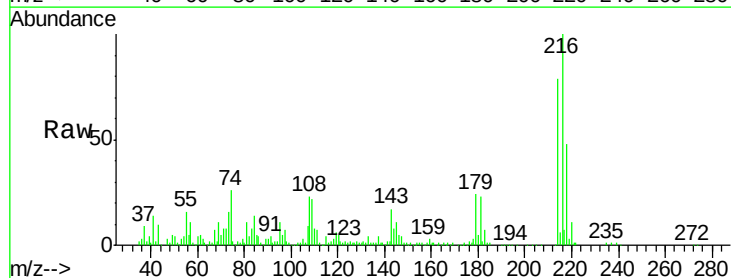
RT: 8.72 min Scan# 615

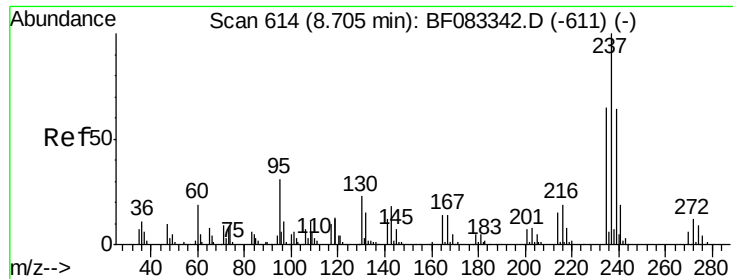
Delta R.T. 0.00 min

Lab File: BF083453.D

Acq: 3 Dec 2015 9:57

Tgt Ion	216	Resp	370244
Ion Ratio	Lower	Upper	
216	100		
214	77.5	62.3	93.5
179	23.7	17.0	25.4
108	19.8	16.7	25.1





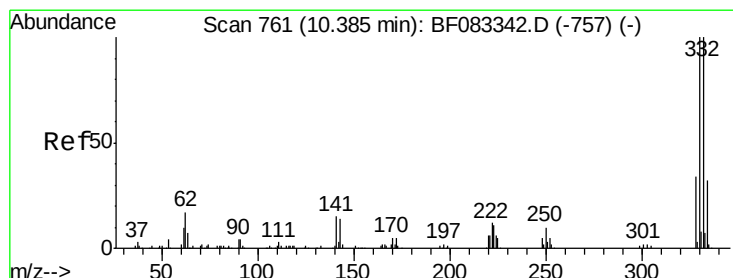
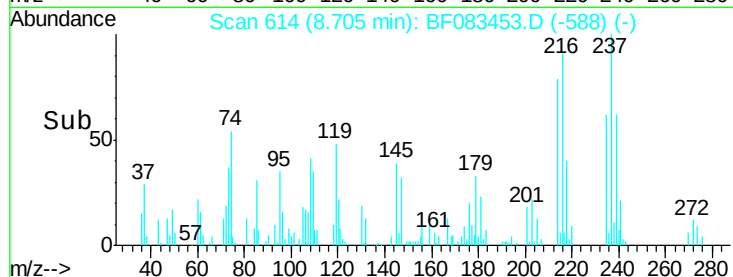
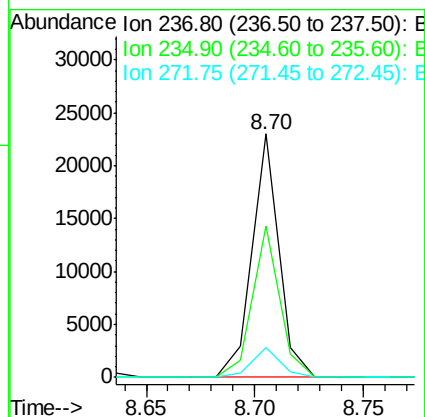
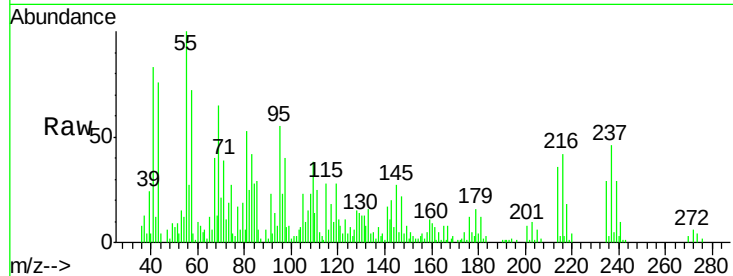
#40
Hexachlorocyclopentadiene
Concen: 5.27 ng
RT: 8.70 min Scan# 614
Delta R.T. 0.00 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MSD

Tot Ion	Ratio	Resp	Lower	Upper
237	100	19723		
235	62.3	44.5	84.5	
272	12.0	0.0	31.6	

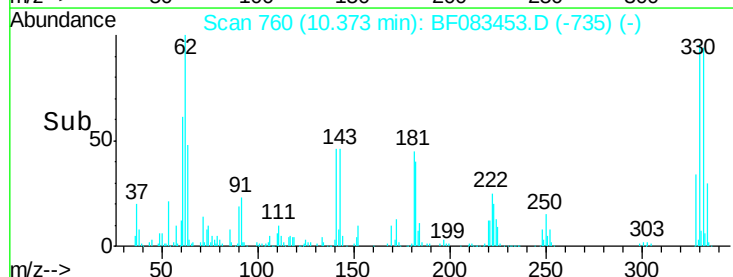
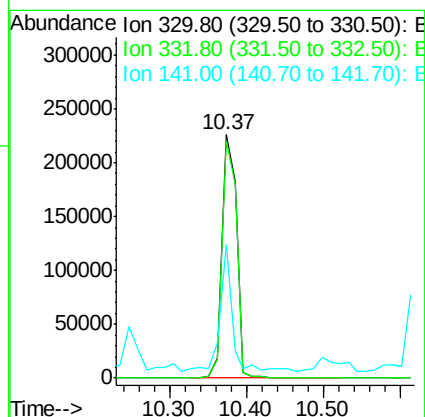
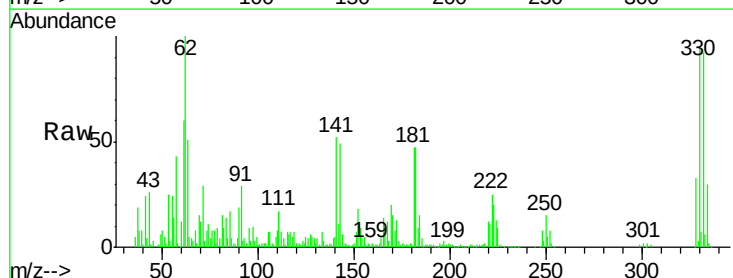
Manual Integrations
APPROVED

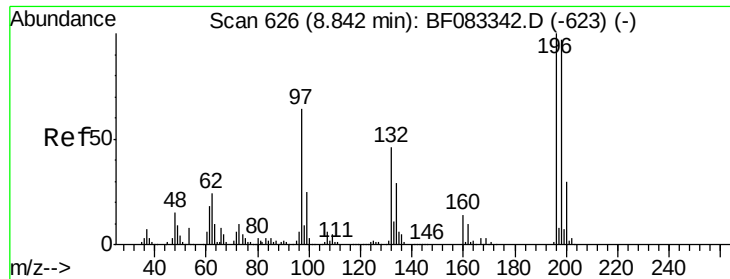
Mmdadoda
12/3/2015 7:10:14 PM



#41
2,4,6-Tribromophenol
Concen: 121.29 ng
RT: 10.37 min Scan# 760
Delta R.T. -0.01 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	302339		
332	97.3	77.8	116.6	
141	42.0	29.4	44.0	





#42

2,4,6-Trichlorophenol

Concen: 49.70 ng

RT: 8.84 min Scan# 626

Delta R.T. 0.00 min

Lab File: BF083453.D

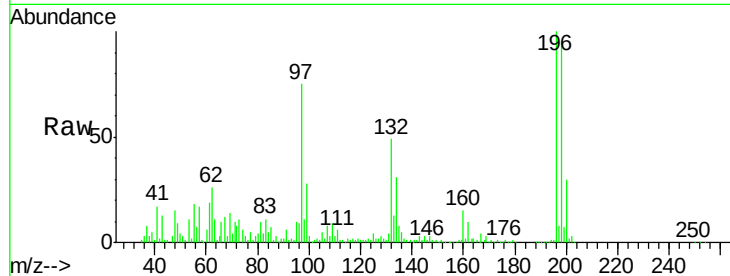
Acq: 3 Dec 2015 9:57

Instrument :

BNA_F

ClientSampleId :

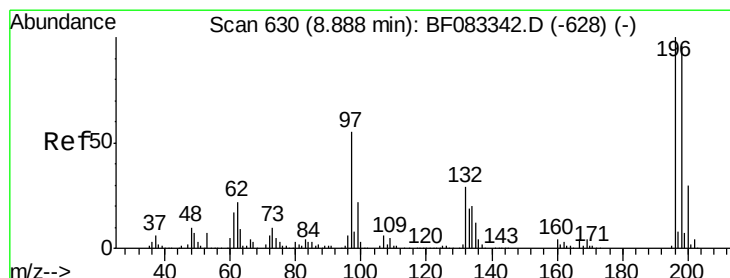
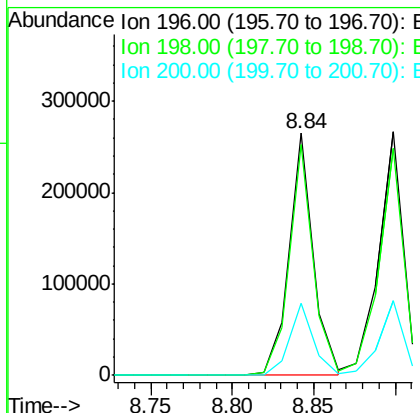
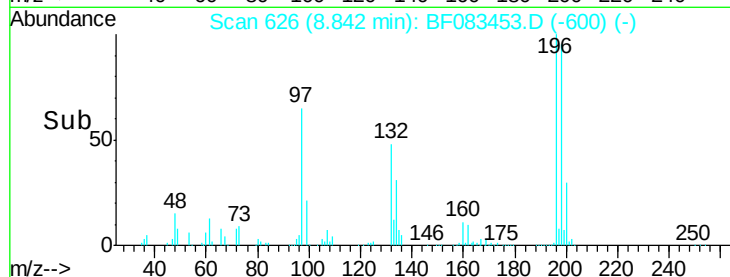
SB-P3WC-09(0-8)MSD



Tot Ion:	196	Resp:	274417
Ion Ratio	Lower	Upper	
196	100		
198	95.3	77.2	115.8
200	29.9	24.2	36.4

Manual Integrations
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Mmdadoda
12/3/2015 7:10:14 PM



#43

2,4,5-Trichlorophenol

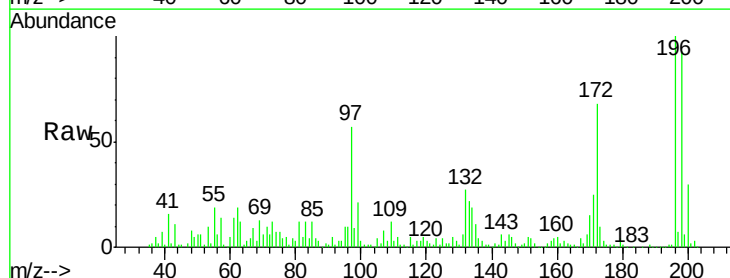
Concen: 49.51 ng

RT: 8.90 min Scan# 631

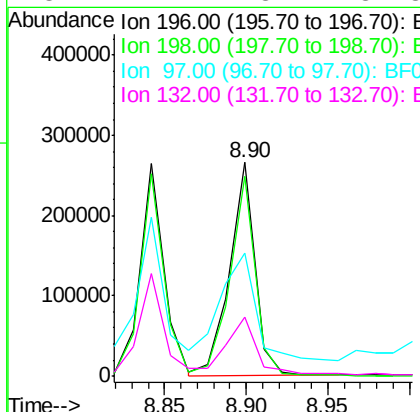
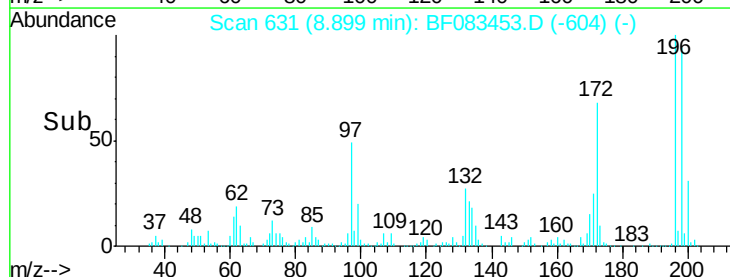
Delta R.T. 0.01 min

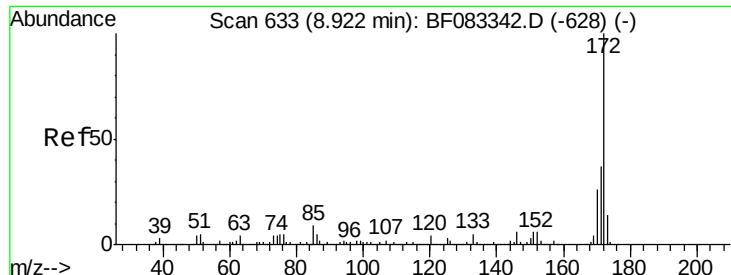
Lab File: BF083453.D

Acq: 3 Dec 2015 9:57



Tgt Ion:	196	Resp:	283215
Ion Ratio	Lower	Upper	
196	100		
198	93.4	77.2	115.8
97	57.3	44.4	66.6
132	27.4	23.2	34.8





#44

2-Fluorobiphenyl

Concen: 105.30 ng

RT: 8.92 min Scan# 633

Delta R.T. 0.00 min

Lab File: BF083453.D

Acq: 3 Dec 2015 9:57

Instrument :

BNA_F

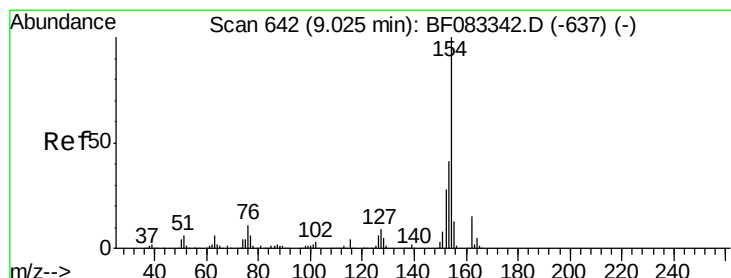
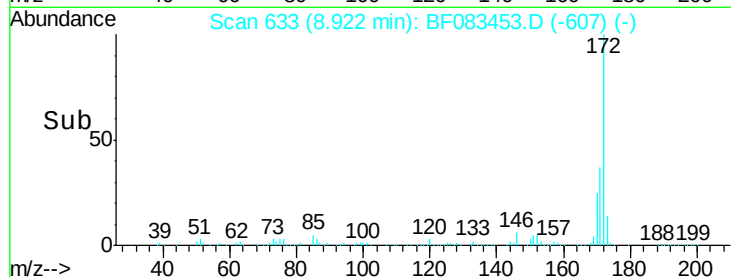
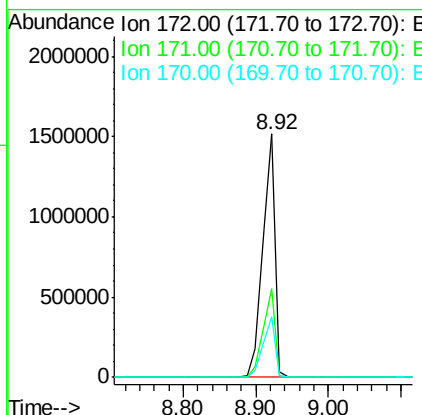
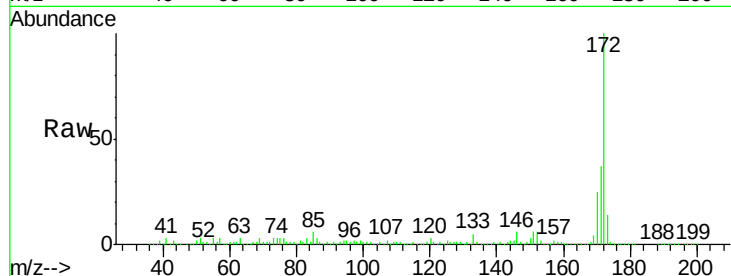
ClientSampleId :

SB-P3WC-09(0-8)MSD

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Tot Ion:172	Resp: 1834814
Ion Ratio	Lower Upper
172 100	
171 36.7	29.4 44.0
170 25.1	20.4 30.6



#45

1,1'-Biphenyl

Concen: 142.98 ng

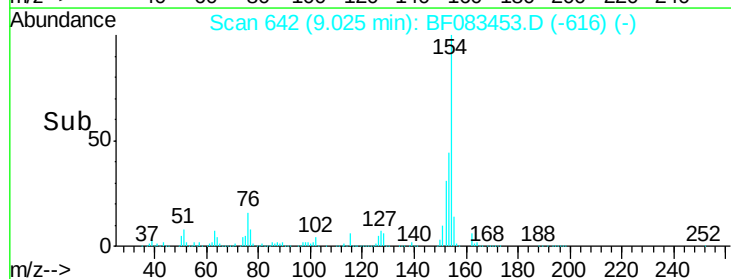
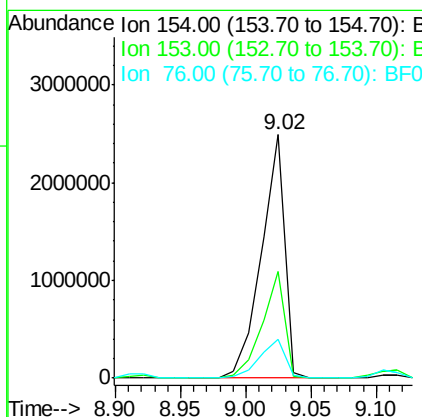
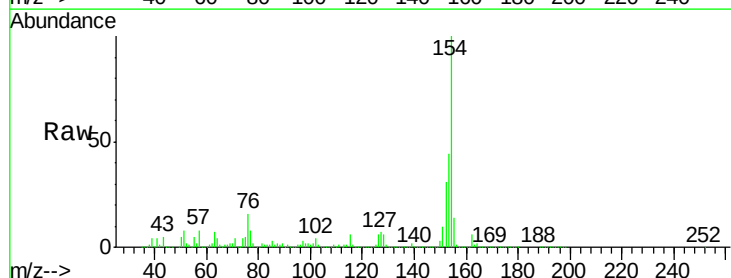
RT: 9.02 min Scan# 642

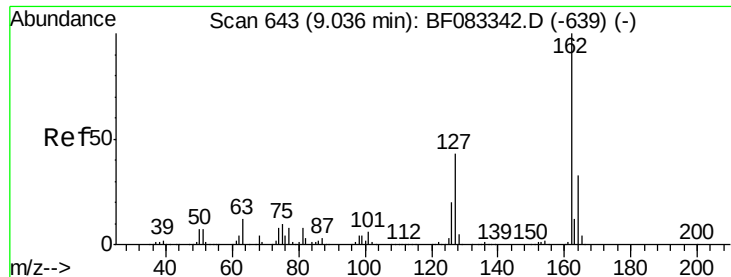
Delta R.T. 0.00 min

Lab File: BF083453.D

Acq: 3 Dec 2015 9:57

Tgt Ion:154	Resp: 3113483
Ion Ratio	Lower Upper
154 100	
153 43.6	20.6 60.6
76 15.8	0.0 30.5





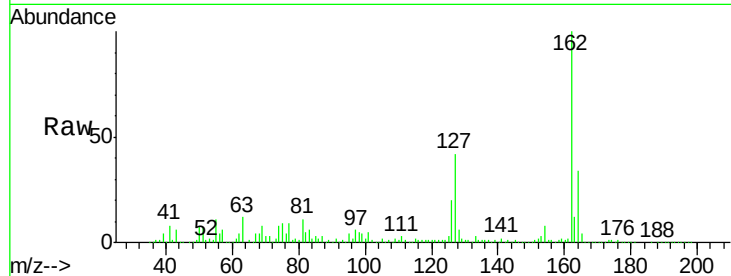
#46
2-Chloronaphthalene
Concen: 46.62 ng
RT: 9.04 min Scan# 643
Delta R.T. 0.00 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MSD

Tot Ion	Ratio	Resp Lower	Upper
162	100		
127	42.4	34.1	51.1
164	33.6	26.6	39.8

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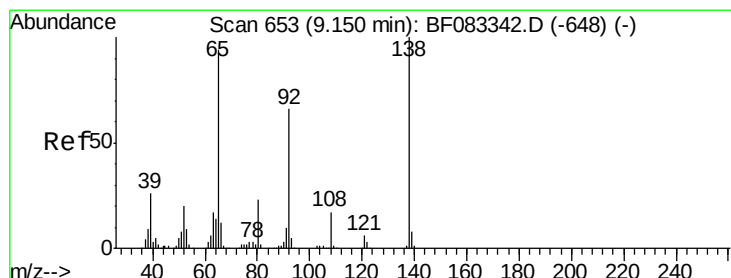
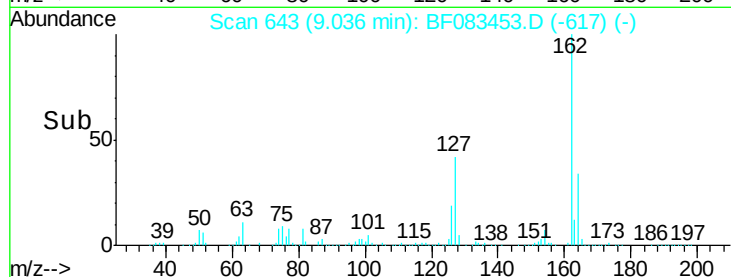
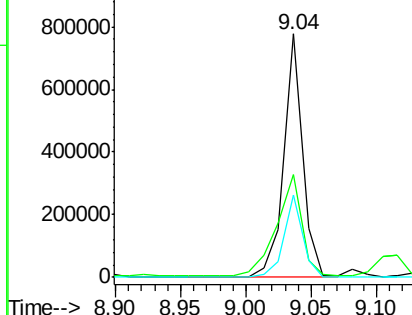


Abundance

Ion 162.00 (161.70 to 162.70): E

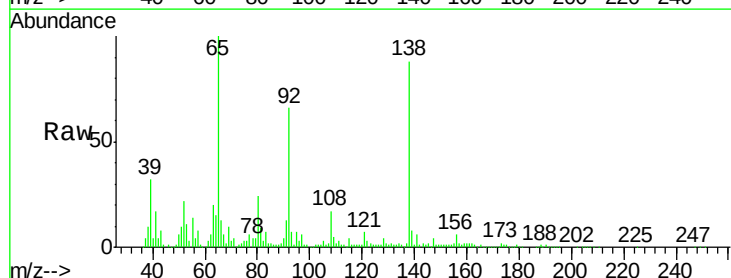
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#47
2-Nitroaniline
Concen: 59.90 ng
RT: 9.15 min Scan# 653
Delta R.T. 0.00 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Tgt Ion	Ratio	Resp Lower	Upper
65	100		
92	65.9	56.2	84.4
138	88.3	85.4	128.0

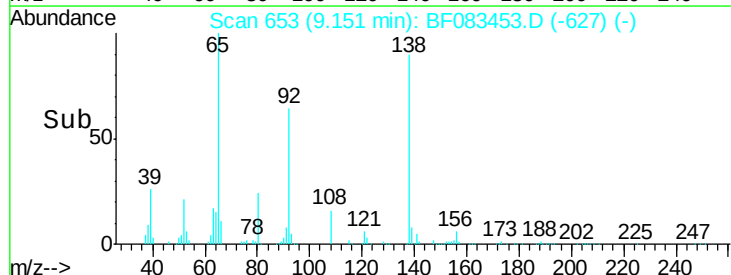
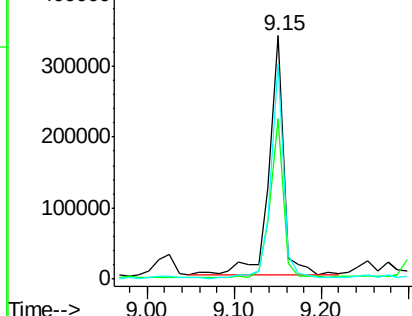


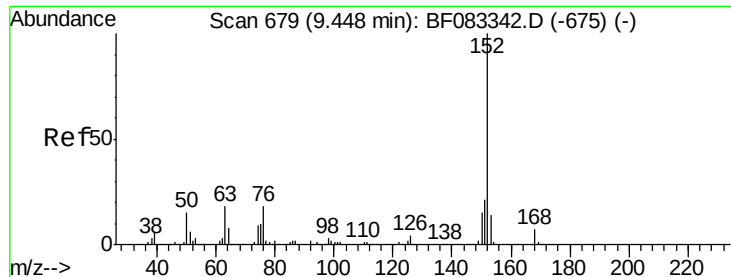
Abundance

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 145.79 ng

RT: 9.46 min Scan# 680

Delta R.T. 0.01 min

Lab File: BF083453.D

Acq: 3 Dec 2015 9:57

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-09(0-8)MSD

Tot Ion:152 Resp: 3858706

Ion Ratio Lower Upper

152 100

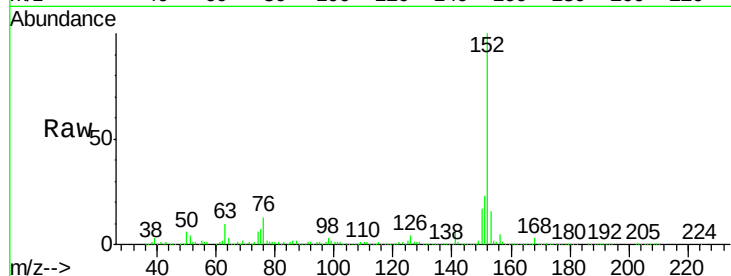
151 22.7 16.7 25.1

153 15.7 11.2 16.8

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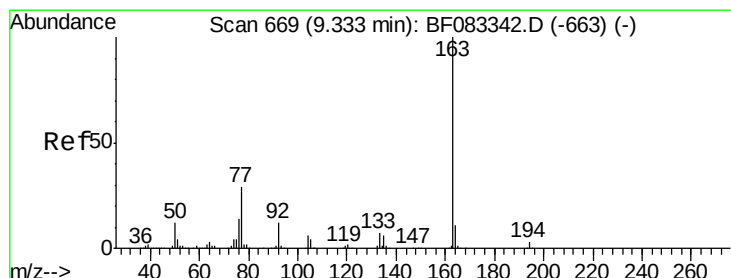
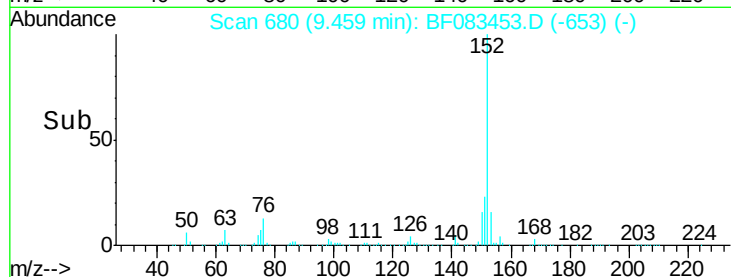
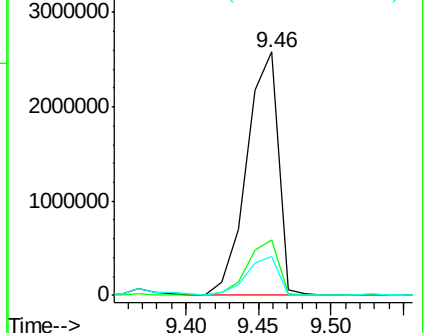
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 62.09 ng

RT: 9.33 min Scan# 669

Delta R.T. 0.00 min

Lab File: BF083453.D

Acq: 3 Dec 2015 9:57

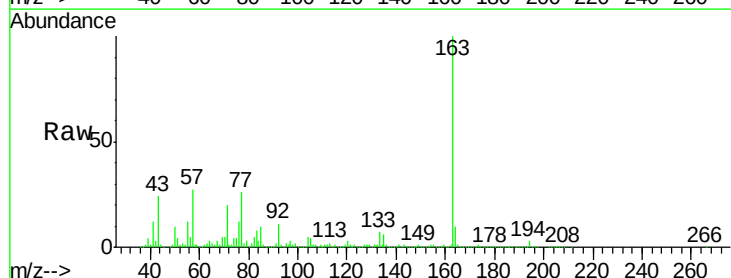
Tgt Ion:163 Resp: 1253024

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

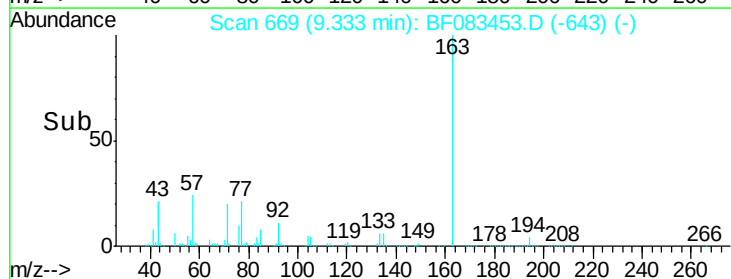
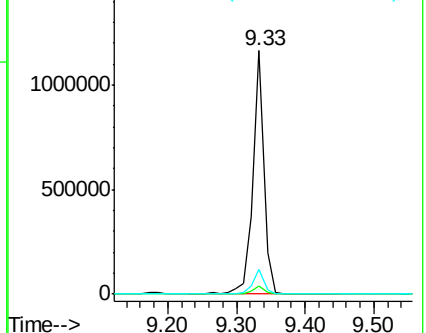
164 10.3 8.8 13.2

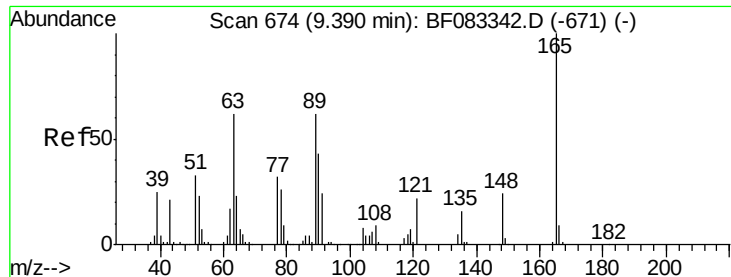


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 47.72 ng

RT: 9.40 min Scan# 675

Delta R.T. 0.01 min

Lab File: BF083453.D

Acq: 3 Dec 2015 9:57

Instrument :

BNA_F

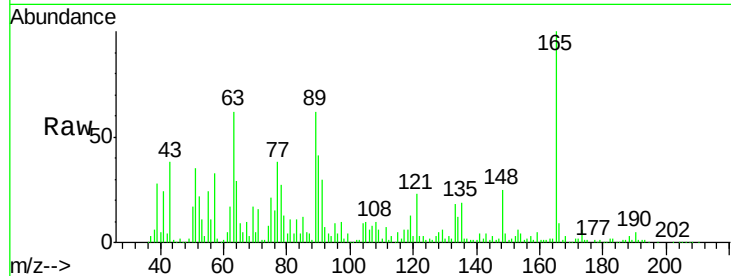
ClientSampleId :

SB-P3WC-09(0-8)MSD

Tot Ion:	165	Resp:	205666
Ion Ratio	Lower	Upper	
165	100		
63	62.4	56.0	84.0
89	62.2	49.8	74.8

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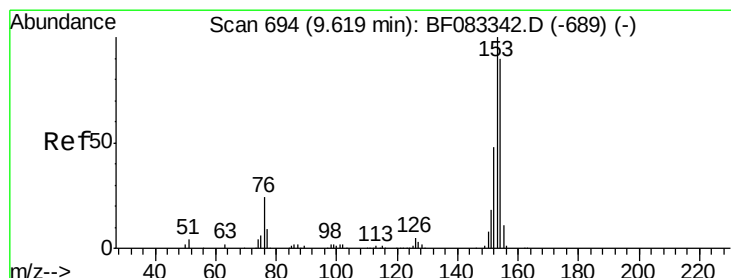
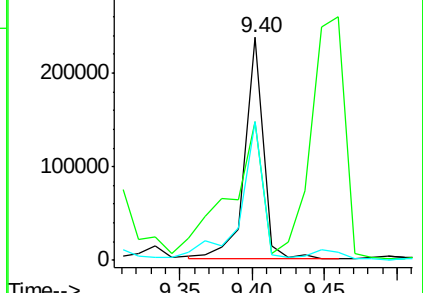
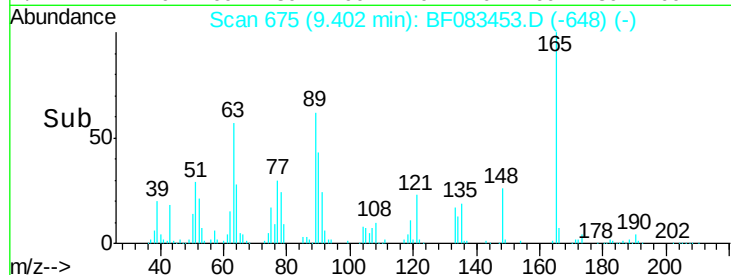


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Time-->



#51

Acenaphthene

Concen: 313.70 ng

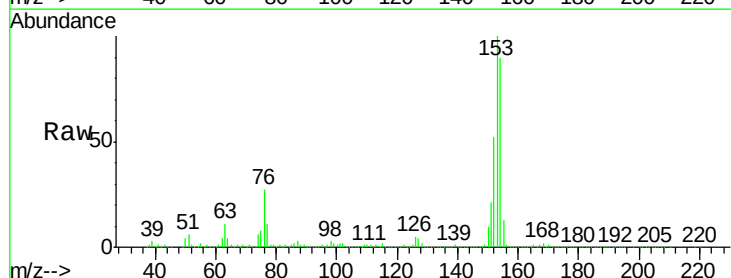
RT: 9.64 min Scan# 696

Delta R.T. 0.02 min

Lab File: BF083453.D

Acq: 3 Dec 2015 9:57

Tgt Ion:	154	Resp:	4883955
Ion Ratio	Lower	Upper	
154	100		
153	110.9	89.3	133.9
152	58.2	42.5	63.7

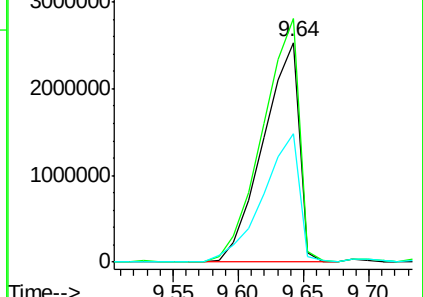
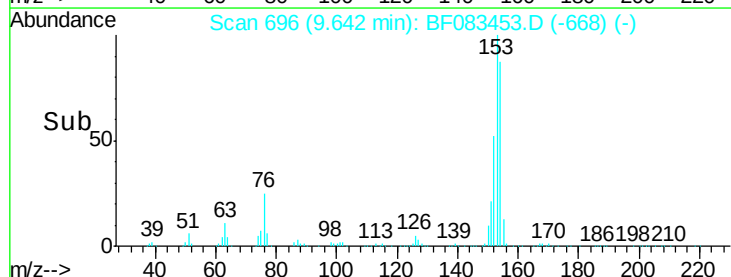


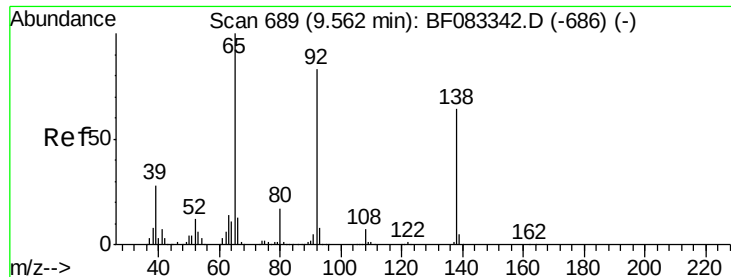
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Time-->





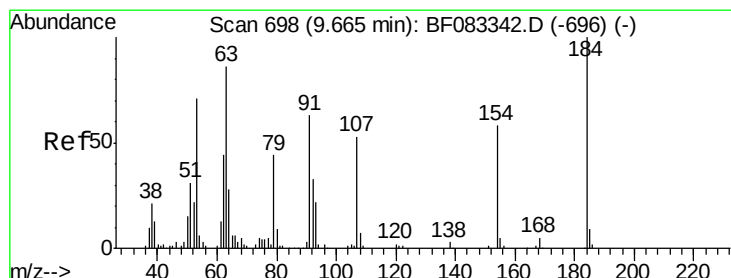
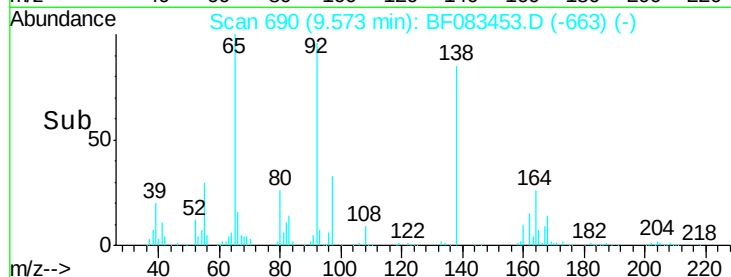
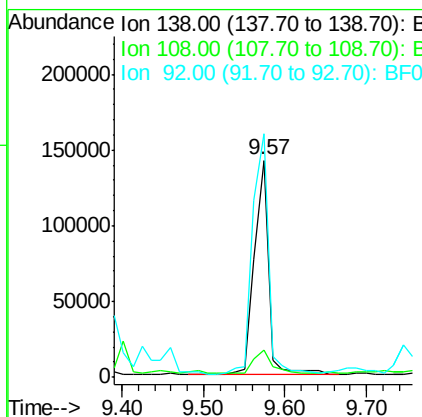
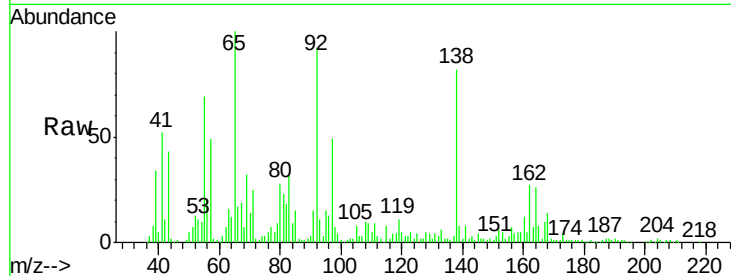
#52
 3-Nitroaniline
 Concen: 34.08 ng
 RT: 9.57 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: BF083453.D
 Acq: 3 Dec 2015 9:57

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-09(0-8)MSD

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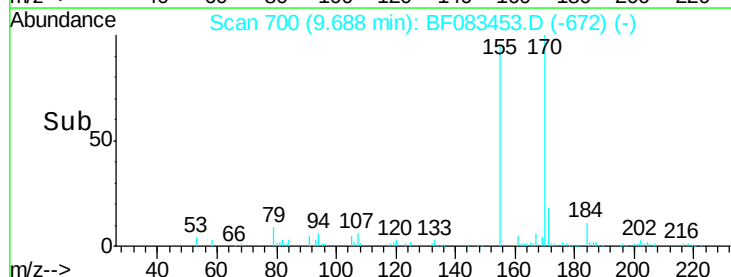
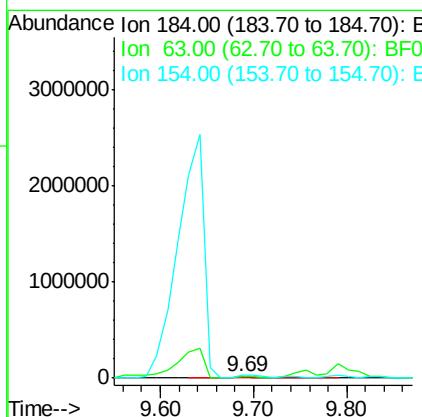
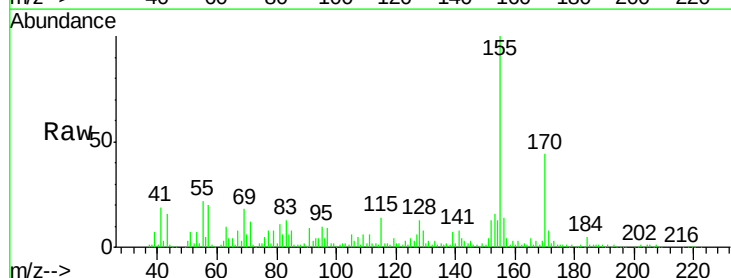
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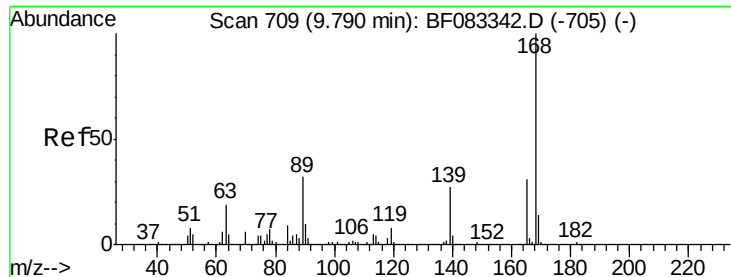
Tot Ion	Ratio	Lower	Upper
138	100		
108	12.3	8.4	12.6
92	112.1	104.2	156.4



#53
 2,4-Dinitrophenol
 Concen: 12.75 ng
 RT: 9.69 min Scan# 700
 Delta R.T. 0.02 min
 Lab File: BF083453.D
 Acq: 3 Dec 2015 9:57

Tgt Ion	Ratio	Lower	Upper
184	100		
63	195.8	69.0	103.6#
154	257.7	50.0	75.0#





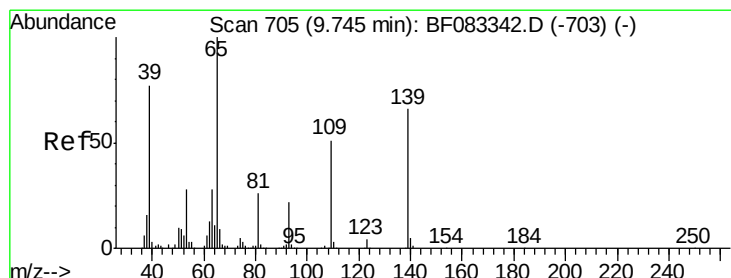
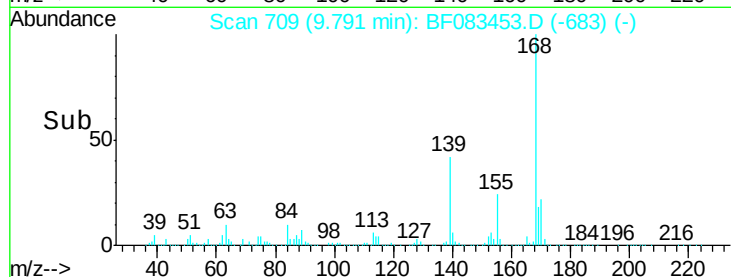
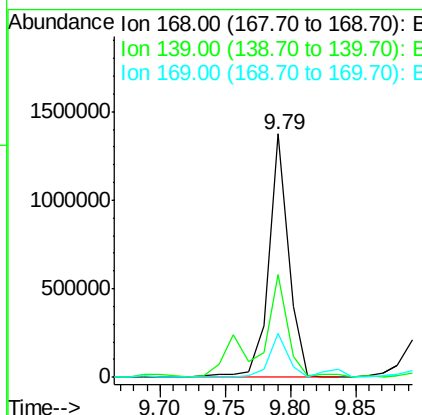
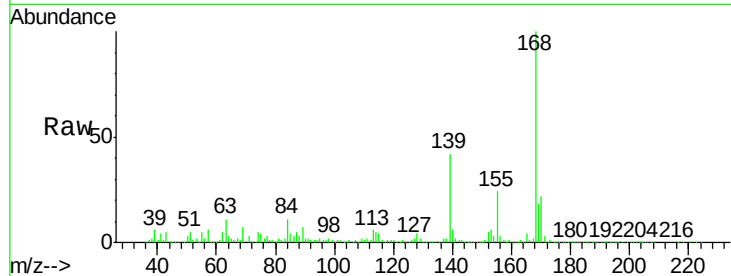
#54
Dibenzofuran
Concen: 64.61 ng
RT: 9.79 min Scan# 709
Delta R.T. 0.00 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	42.3	32.7	49.1
169	17.9	11.1	16.7

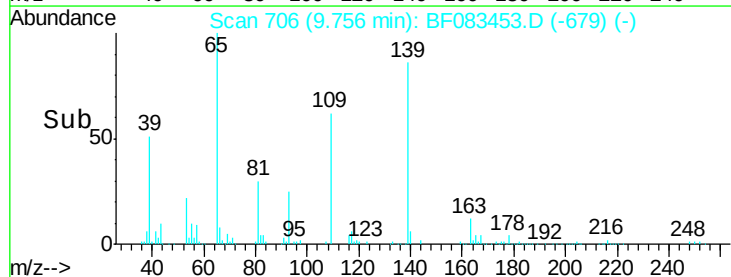
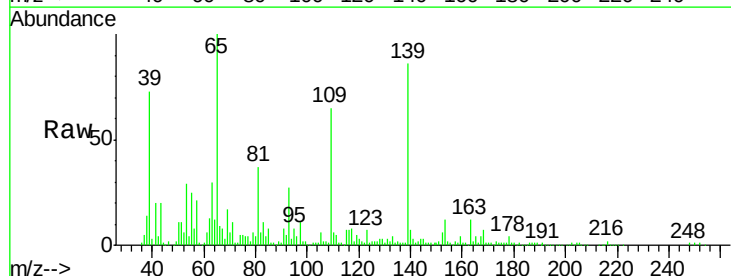
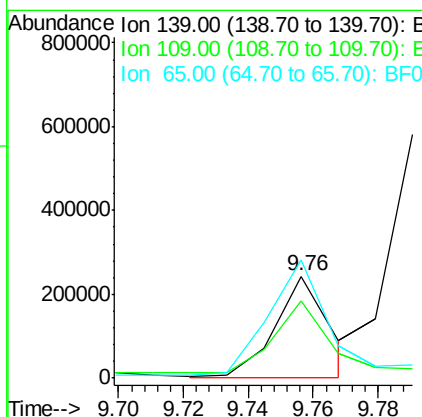
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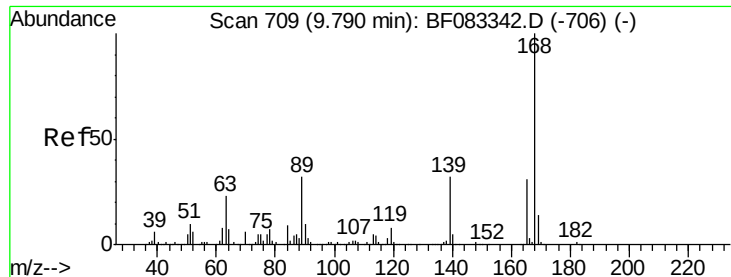
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#55
4-Nitrophenol
Concen: 87.99 ng m
RT: 9.76 min Scan# 706
Delta R.T. 0.01 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Tgt Ion	Ratio	Lower	Upper
139	100		
109	76.1	57.4	97.4
65	116.4	131.6	171.6





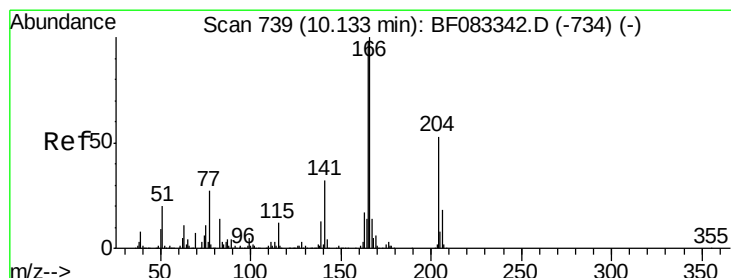
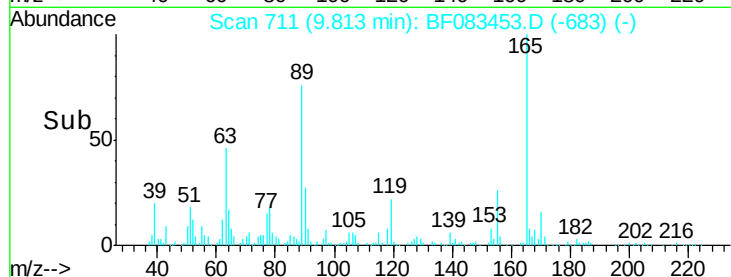
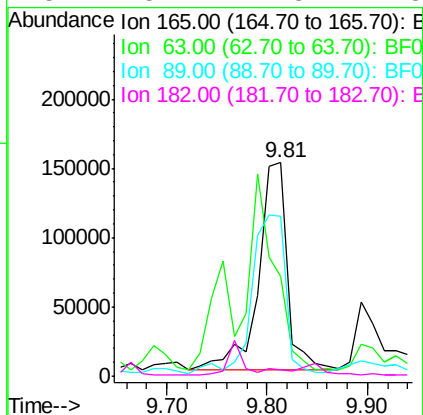
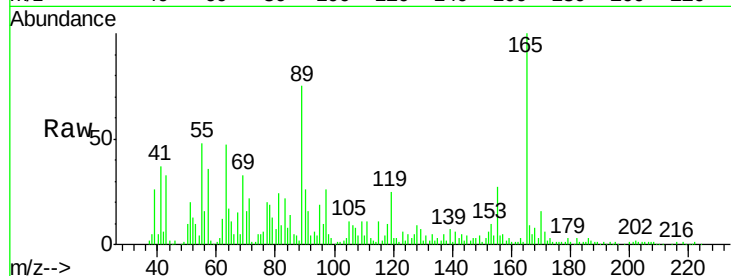
#56
 2,4-Dinitrotoluene
 Concen: 55.38 ng
 RT: 9.81 min Scan# 711
 Delta R.T. 0.02 min
 Lab File: BF083453.D
 Acq: 3 Dec 2015 9:57

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-09(0-8)MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	46.7	65.4	98.0#	
89	74.6	81.2	121.8#	
182	3.1	1.8	2.8#	

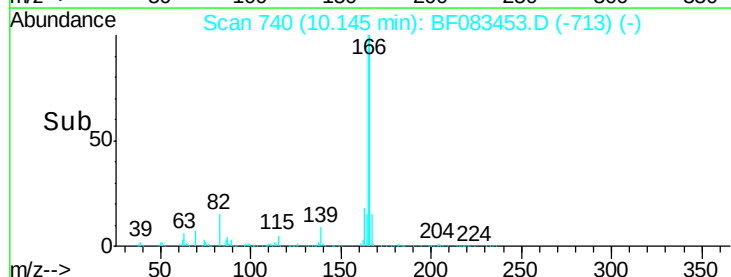
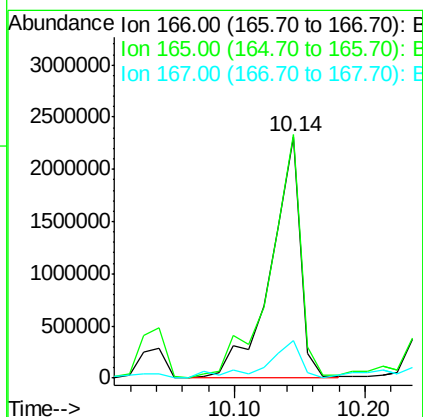
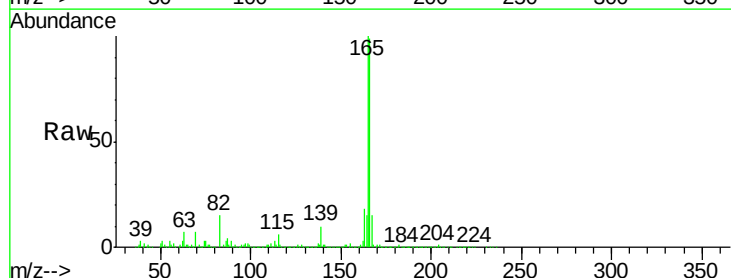
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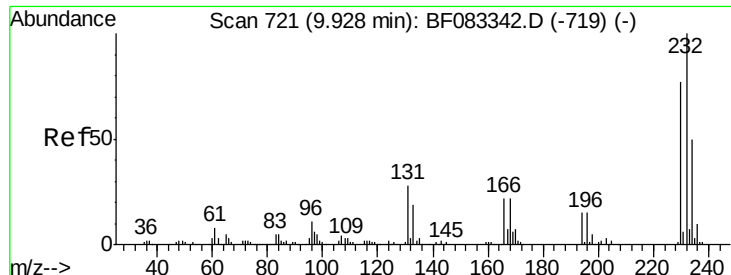
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#57
 Fluorene
 Concen: 202.08 ng
 RT: 10.14 min Scan# 740
 Delta R.T. 0.01 min
 Lab File: BF083453.D
 Acq: 3 Dec 2015 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	100.8	78.3	117.5	
167	15.6	11.1	16.7	





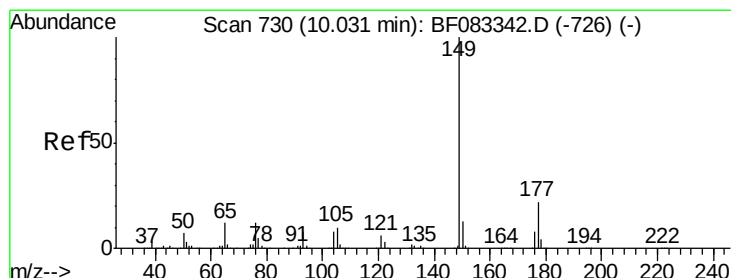
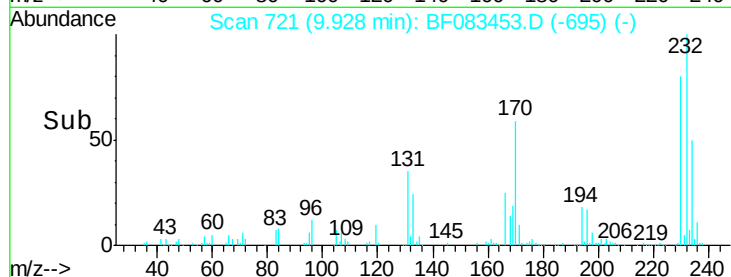
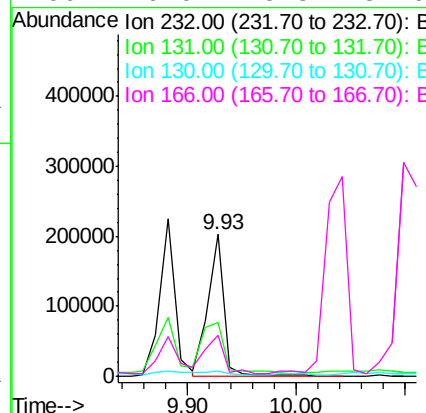
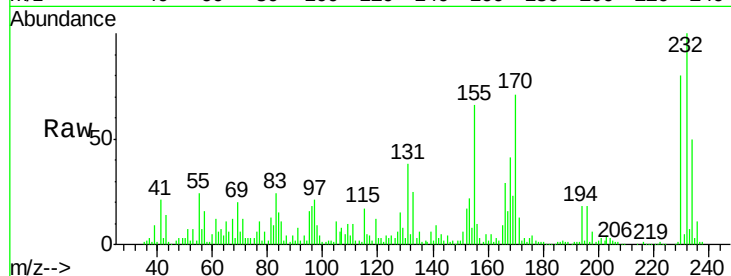
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 44.83 ng
 RT: 9.93 min Scan# 721
 Delta R.T. 0.00 min
 Lab File: BF083453.D
 Acq: 3 Dec 2015 9:57

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-09(0-8)MSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	206932		
131	47.6	35.4	53.2	
130	0.0	1.7	2.5	
166	0.0	23.3	34.9	

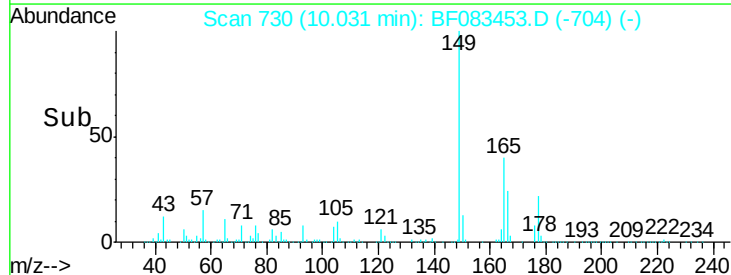
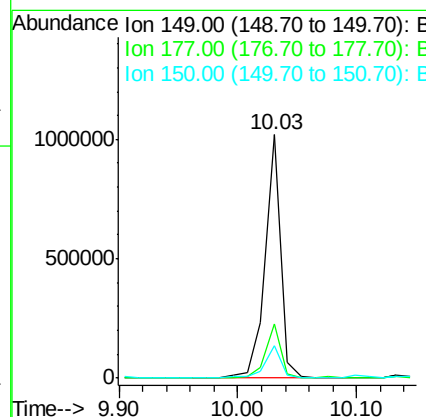
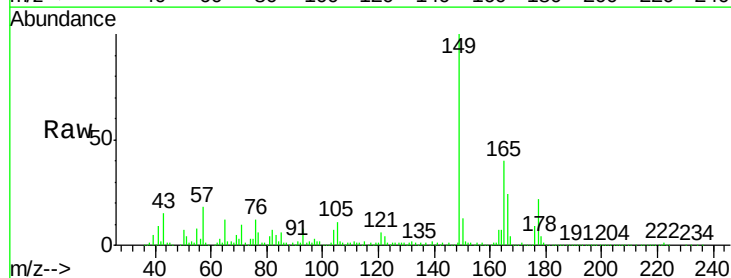
Manual Integrations
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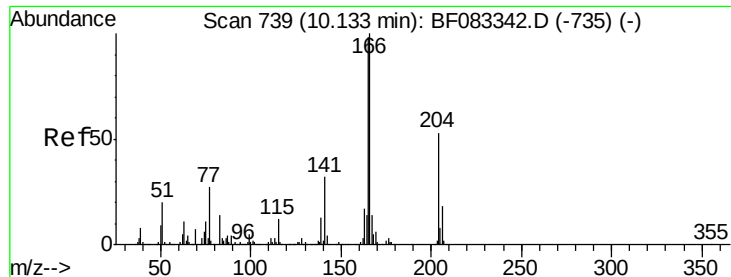
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#59
 Diethylphthalate
 Concen: 47.74 ng
 RT: 10.03 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: BF083453.D
 Acq: 3 Dec 2015 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	918243		
177	22.5	17.4	26.2	
150	13.4	10.4	15.6	





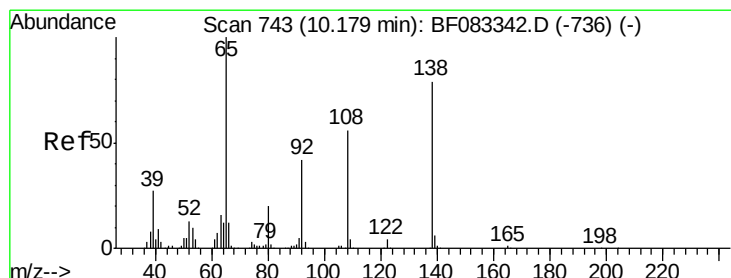
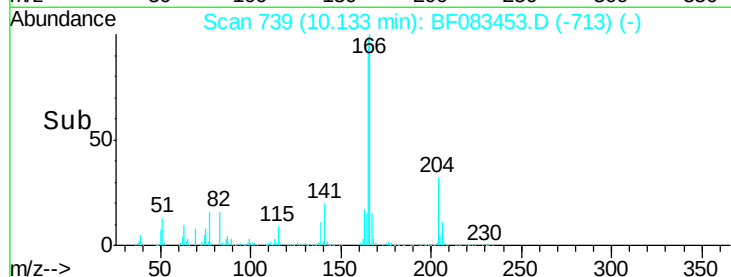
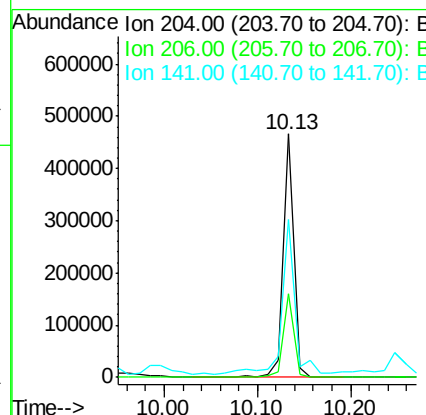
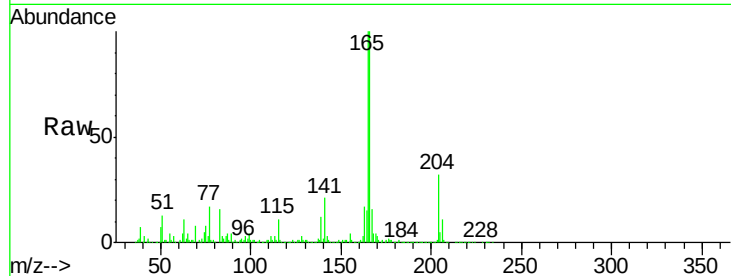
#60
4-Chlorophenyl-phenylether
Concen: 43.50 ng
RT: 10.13 min Scan# 739
Delta R.T. 0.00 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MSD

Tot Ion	Ratio	Resp	Lower	Upper
204	100			
206	34.6	27.5	41.3	
141	64.9	48.1	72.1	

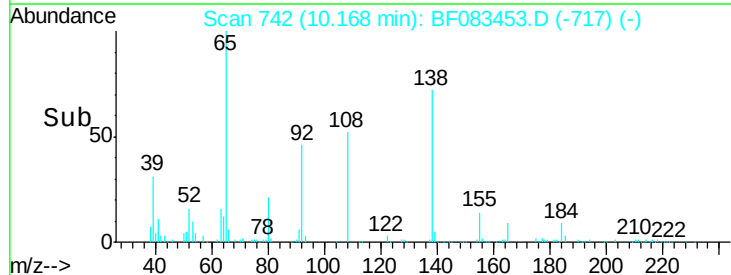
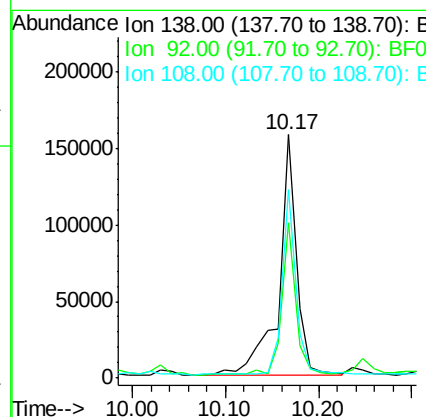
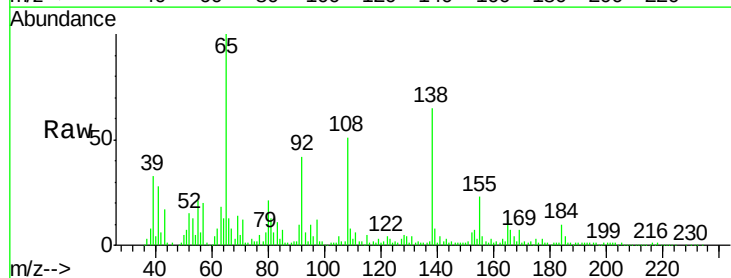
Manual Integrations
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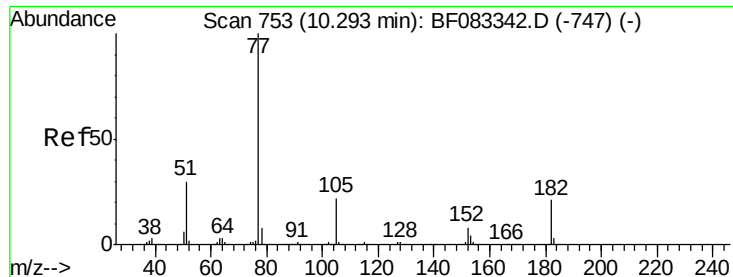
Mmdadoda
12/3/2015 7:10:14 PM



#61
4-Nitroaniline
Concen: 41.31 ng
RT: 10.17 min Scan# 742
Delta R.T. -0.01 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
138	100			
92	63.8	33.6	73.6	
108	77.6	51.0	91.0	





#62

Azobenzene

Concen: 46.42 ng

RT: 10.29 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF083453.D

Acq: 3 Dec 2015 9:57

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-09(0-8)MSD

Tot Ion: 77 Resp: 1078757

Ion Ratio Lower Upper

77 100

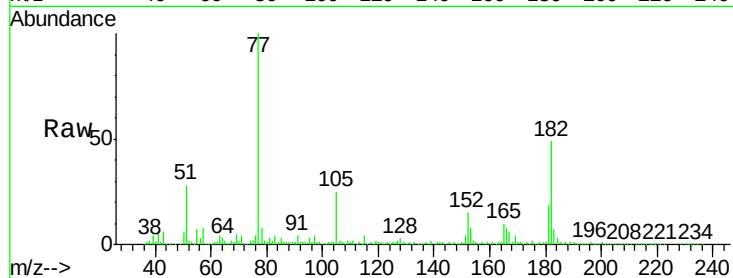
182 49.3 0.8 40.8#

105 25.4 2.3 42.3

51 28.1 10.6 50.6

Manual Integrations
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Mmdadoda
12/3/2015 7:10:14 PM

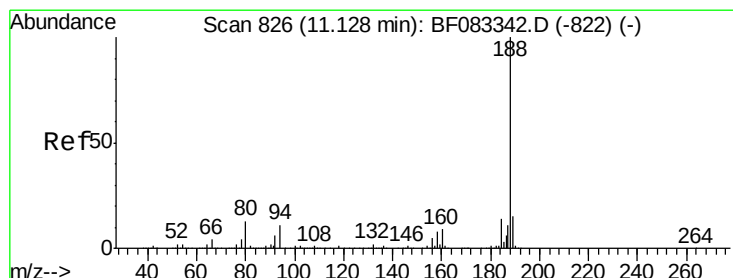
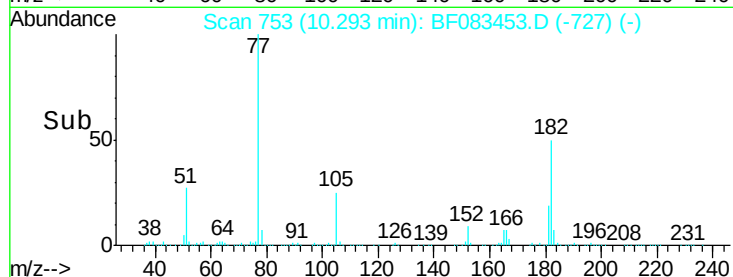
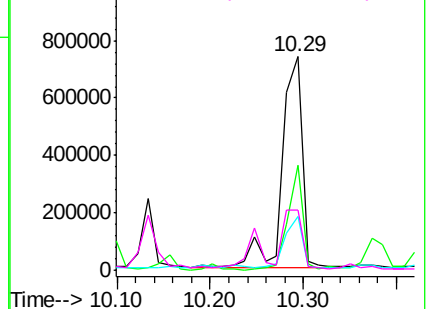


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.14 min Scan# 827

Delta R.T. 0.01 min

Lab File: BF083453.D

Acq: 3 Dec 2015 9:57

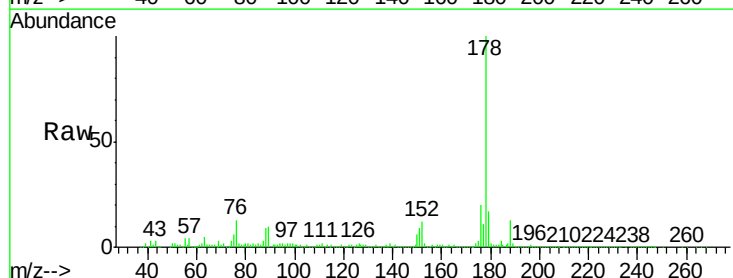
Tgt Ion: 188 Resp: 343881

Ion Ratio Lower Upper

188 100

94 11.8 8.7 13.1

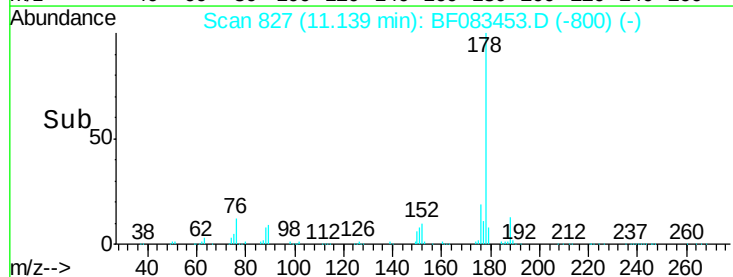
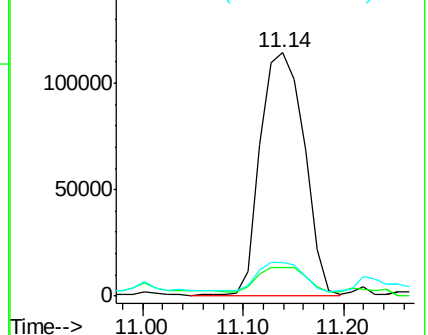
80 14.0 10.3 15.5

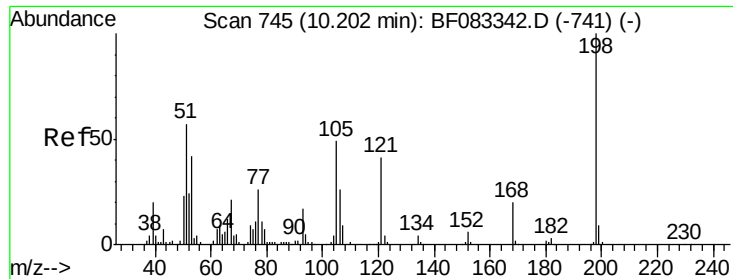


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 10.54 ng

RT: 10.22 min Scan# 747

Delta R.T. 0.02 min

Lab File: BF083453.D

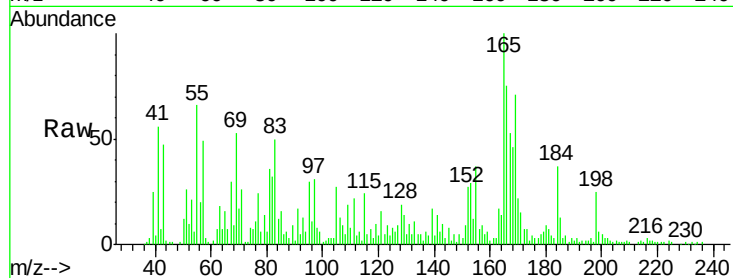
Acq: 3 Dec 2015 9:57

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-09(0-8)MSD



Tot Ion:198 Resp: 24325

Ion Ratio Lower Upper

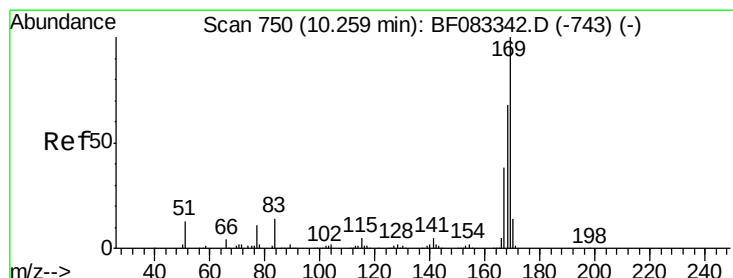
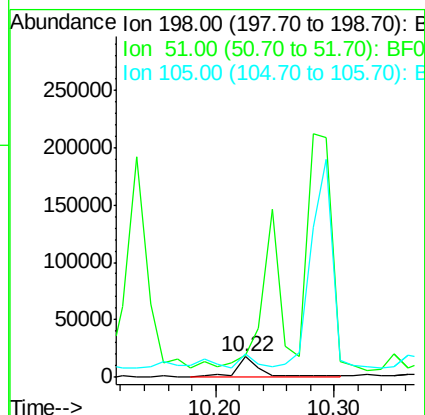
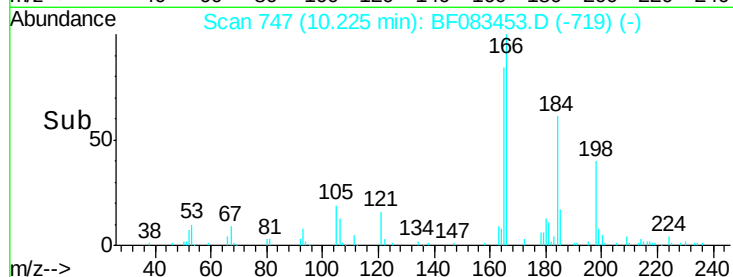
198 100

51 107.2 38.3 78.3#

105 111.2 29.2 69.2#

Manual Integrations
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#65

n-Nitrosodiphenylamine

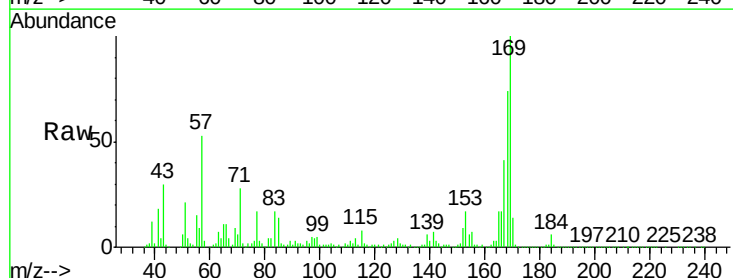
Concen: 67.47 ng

RT: 10.25 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF083453.D

Acq: 3 Dec 2015 9:57



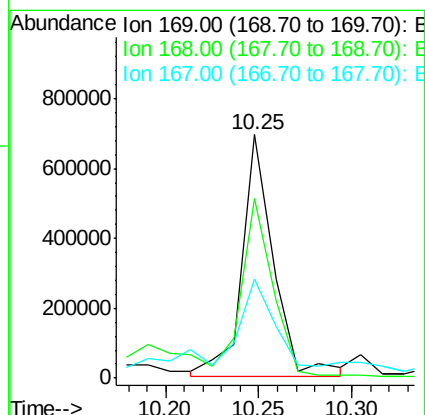
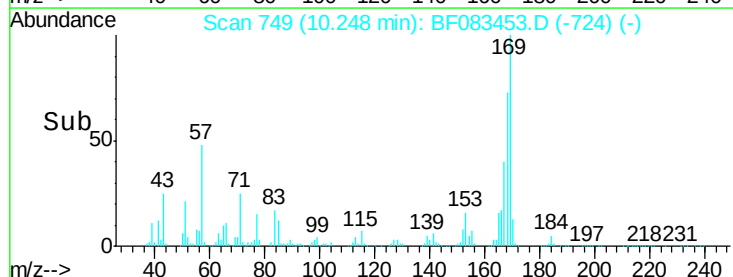
Tgt Ion:169 Resp: 815320

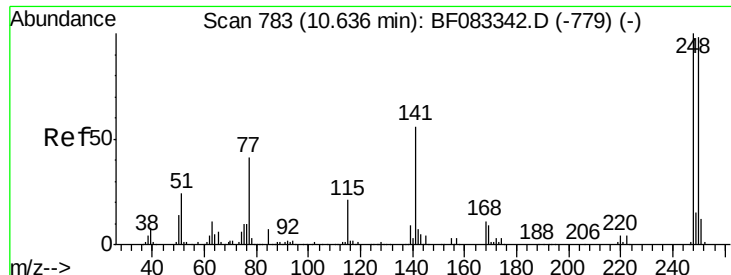
Ion Ratio Lower Upper

169 100

168 74.0 54.8 82.2

167 40.8 30.2 45.2





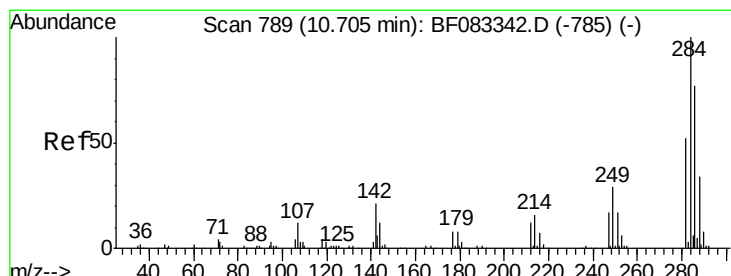
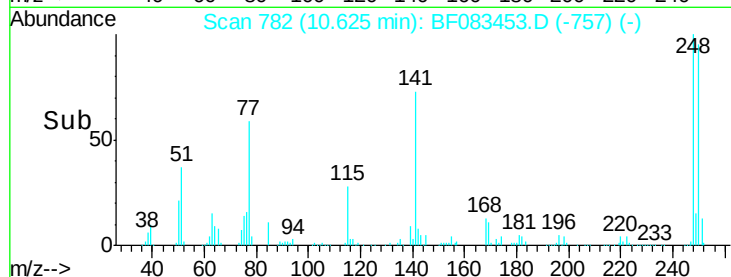
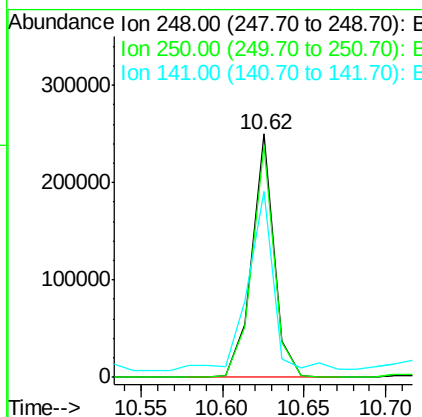
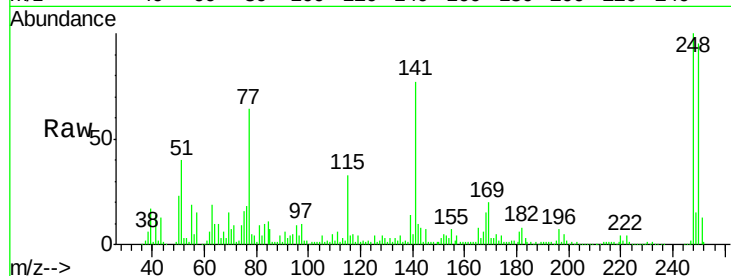
#66
4-Bromophenyl-phenylether
Concen: 62.94 ng
RT: 10.62 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	95.5	78.6	118.0
141	76.5	44.4	66.6

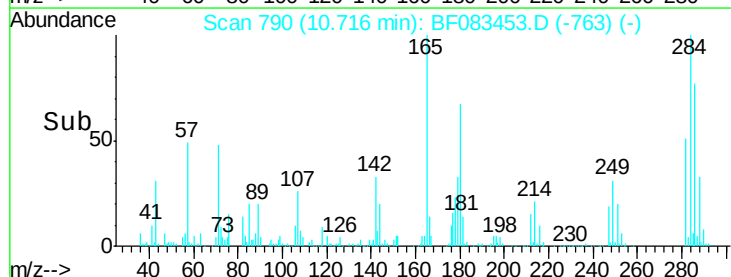
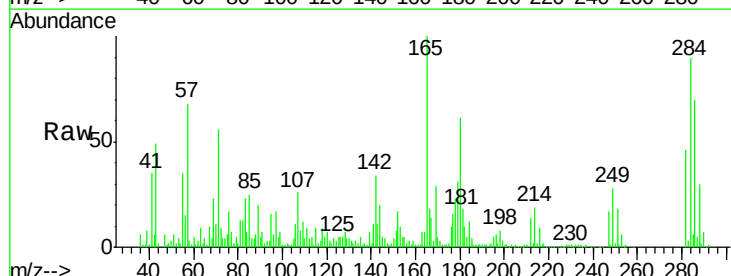
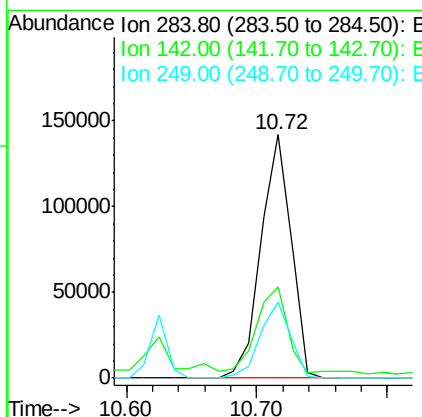
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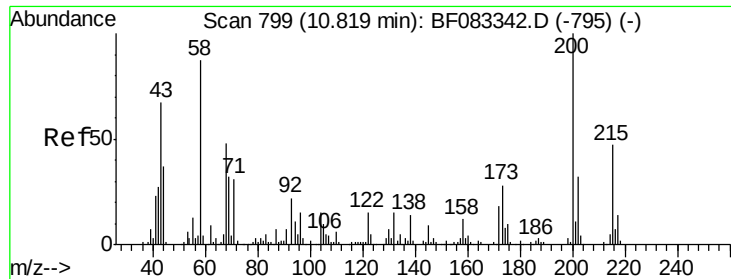
Mmdadoda
12/3/2015 7:10:14 PM



#67
Hexachlorobenzene
Concen: 55.45 ng
RT: 10.72 min Scan# 790
Delta R.T. 0.01 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.6	16.6	24.8
249	31.0	23.0	34.4





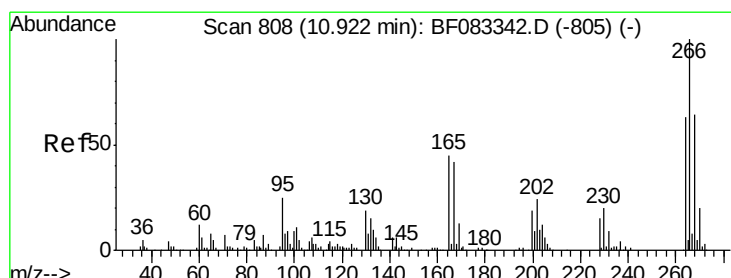
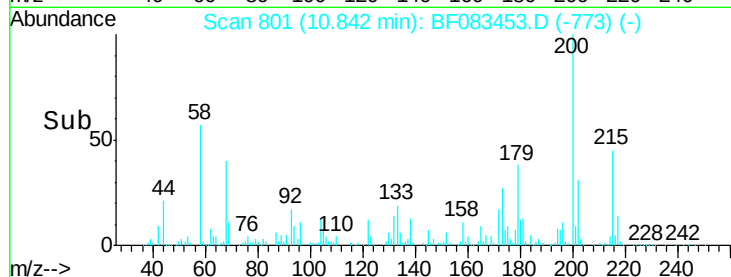
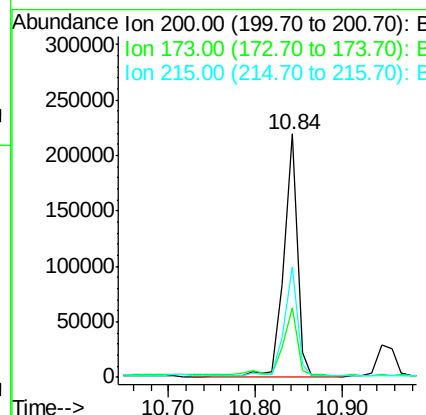
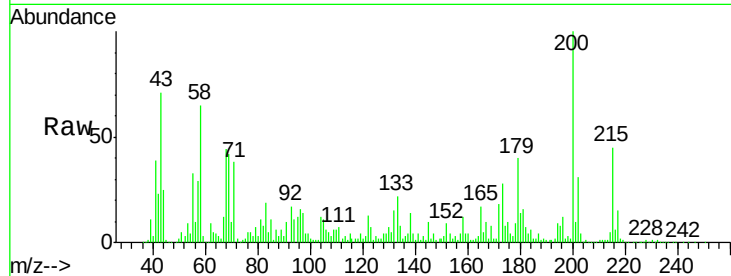
#68
Atrazine
Concen: 69.02 ng
RT: 10.84 min Scan# 801
Delta R.T. 0.02 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MSD

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	28.4	8.3	48.3
215	45.2	26.7	66.7

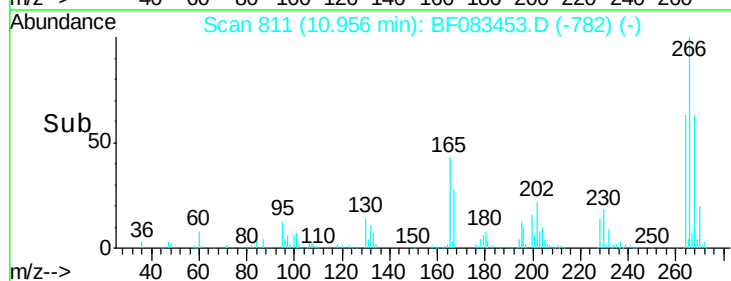
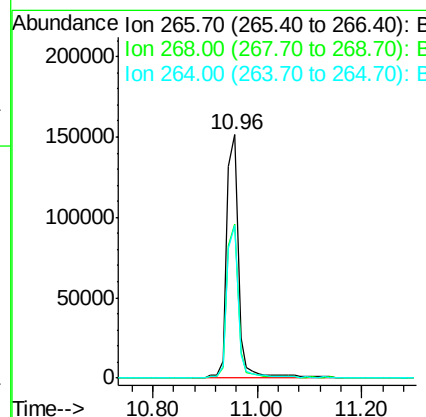
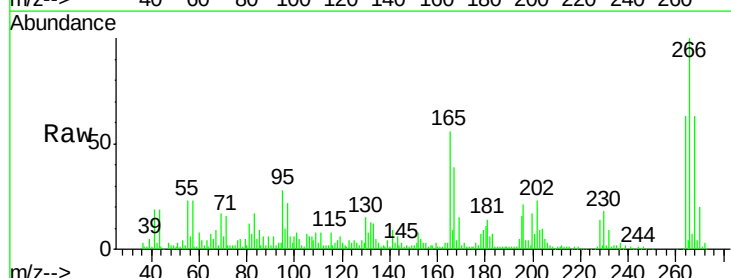
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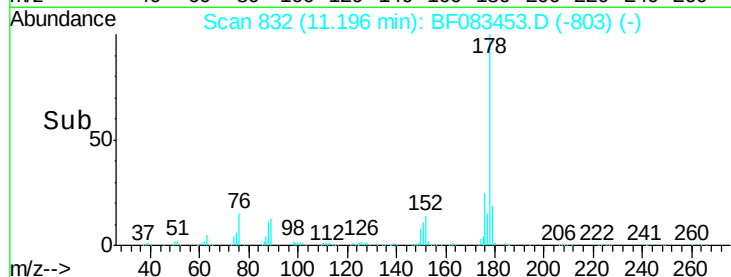
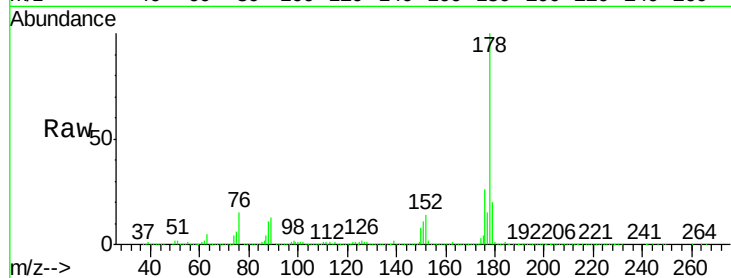
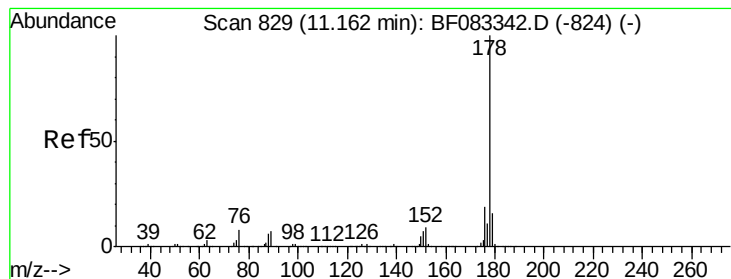
Mmdadoda
12/3/2015 7:10:14 PM



#69
Pentachlorophenol
Concen: 111.34 ng
RT: 10.96 min Scan# 811
Delta R.T. 0.03 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	63.3	51.5	77.3
264	62.8	50.4	75.6





#70

Phenanthrene

Concen: 625.09 ng/mL

RT: 11.20 min Scan# 832

Delta R.T. 0.03 min

Lab File: BF083453.D

Acq: 3 Dec 2015 9:57

Tot Ion:178 Resp:12720915

Ion Ratio Lower Upper

178 100

176 25.5 15.3 22.9#

179 20.0 12.4 18.6#

Instrument :

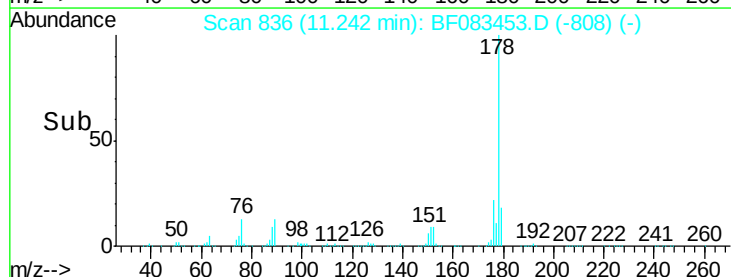
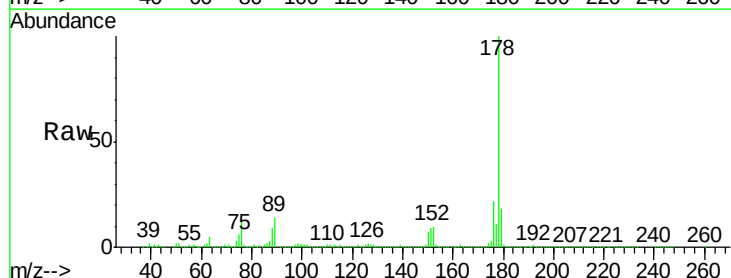
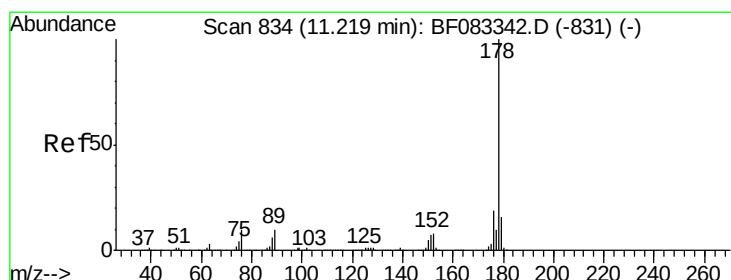
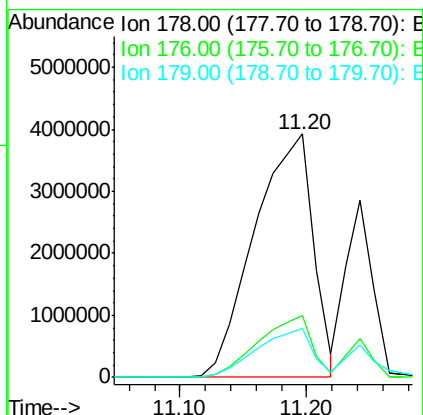
BNA_F

ClientSampleId :

SB-P3WC-09(0-8)MSD

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12/3/2015 7:10:14 PM



#71

Anthracene

Concen: 203.50 ng/mL

RT: 11.24 min Scan# 836

Delta R.T. 0.02 min

Lab File: BF083453.D

Acq: 3 Dec 2015 9:57

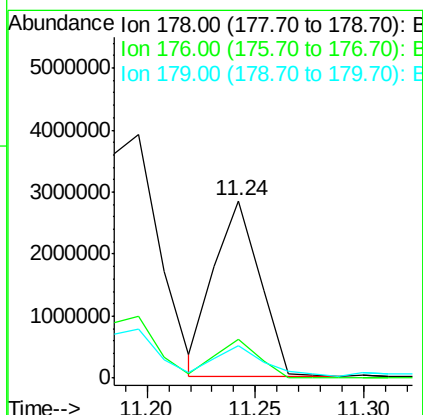
Tgt Ion:178 Resp: 4169270

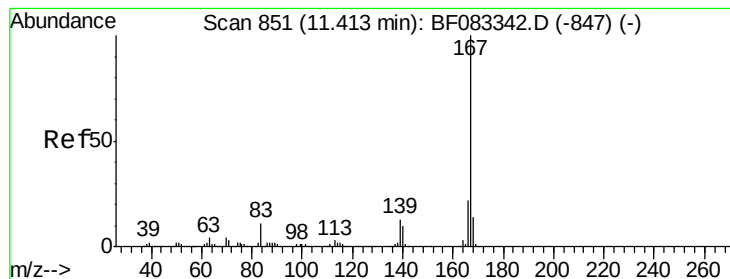
Ion Ratio Lower Upper

178 100

176 22.0 15.6 23.4

179 18.2 12.8 19.2





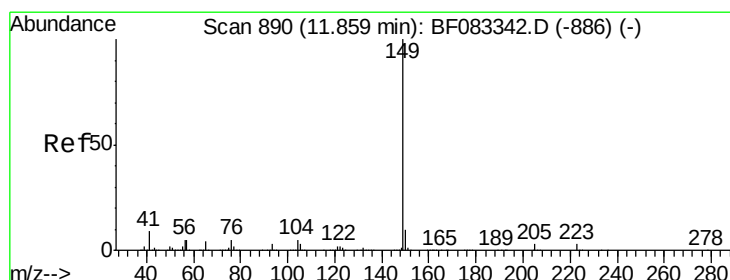
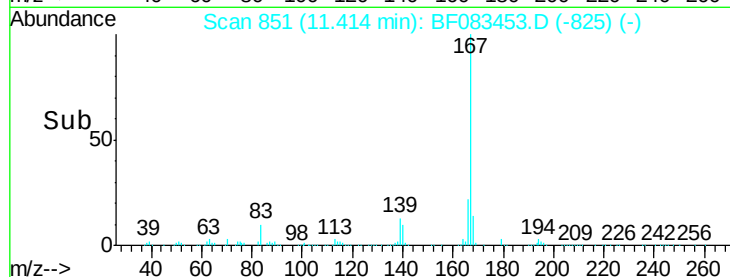
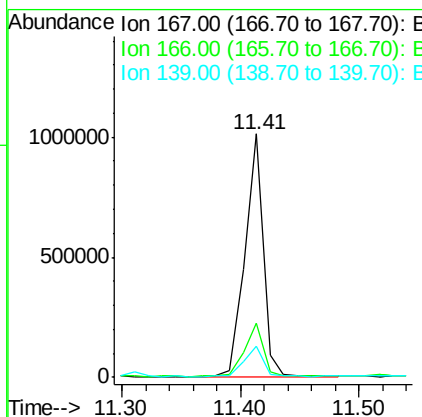
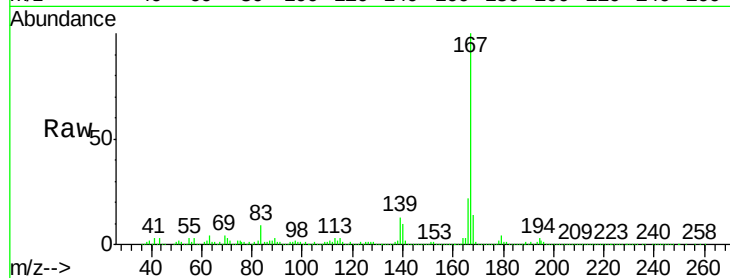
#72
 Carbazole
 Concen: 59.30 ng
 RT: 11.41 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: BF083453.D
 Acq: 3 Dec 2015 9:57

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-09(0-8)MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.4	26.0
139	13.0	10.5	15.7

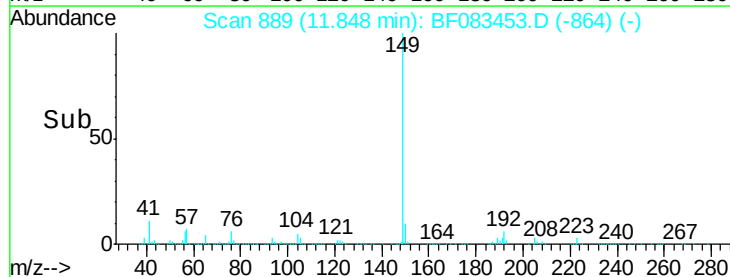
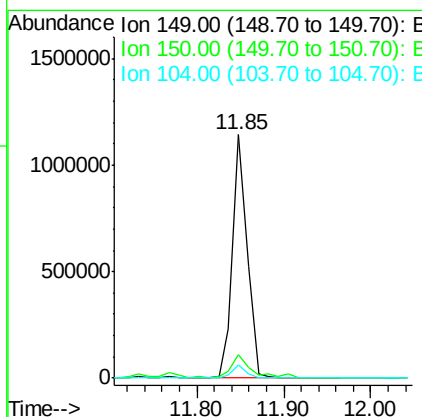
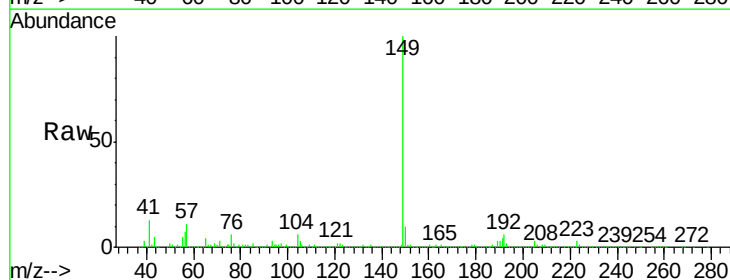
Manual Integrations
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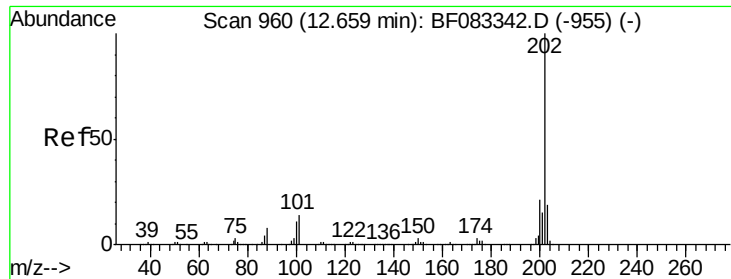
Mmdadoda
 12/3/2015 7:10:14 PM



#73
 Di-n-butylphthalate
 Concen: 60.80 ng
 RT: 11.85 min Scan# 889
 Delta R.T. -0.01 min
 Lab File: BF083453.D
 Acq: 3 Dec 2015 9:57

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.7	11.5
104	5.6	4.0	6.0





#74

Fluoranthene

Concen: 339.34 ng

RT: 12.69 min Scan# 963

Delta R.T. 0.03 min

Lab File: BF083453.D

Acq: 3 Dec 2015 9:57

Instrument :

BNA_F

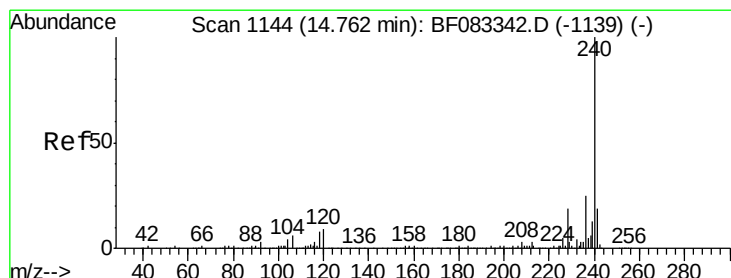
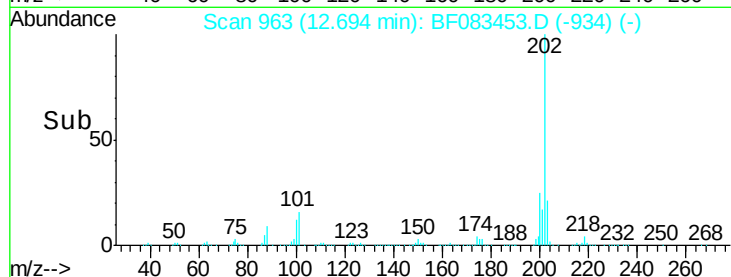
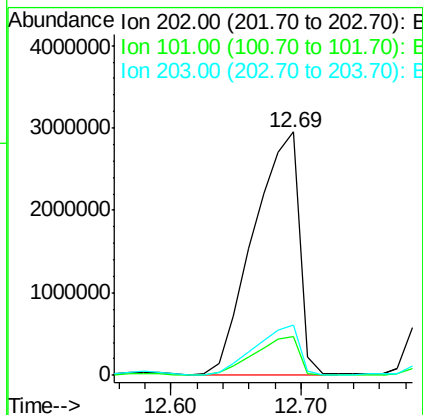
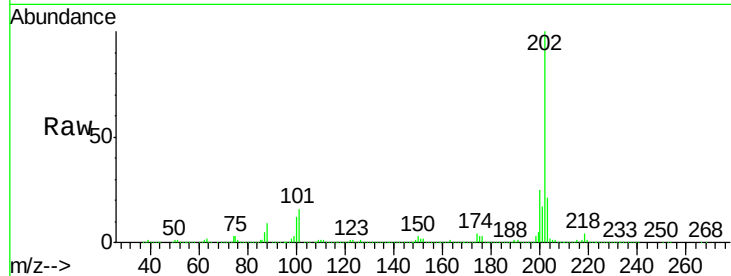
ClientSampleId :

SB-P3WC-09(0-8)MSD

Manual Integrations
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Mmdadoda
12/3/2015 7:10:14 PM

Tot Ion	Ratio	Lower	Upper
202	100		
101	16.1	0.0	34.5
203	20.9	0.0	38.7



#75

Chrysene-d12

Concen: 20.00 ng

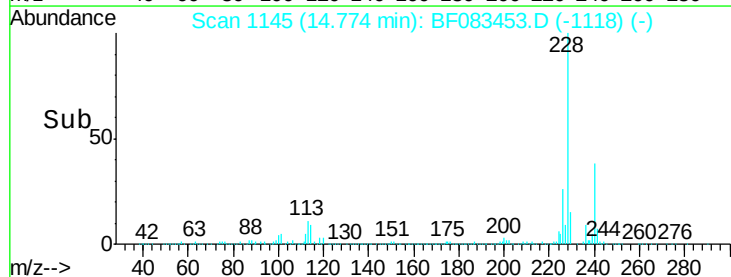
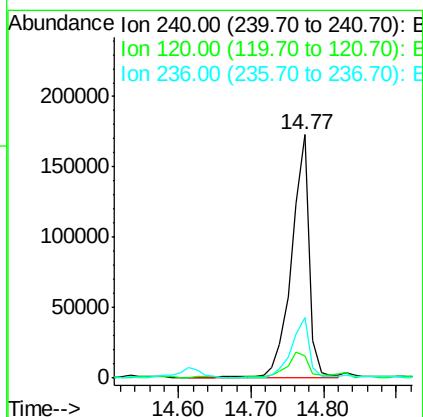
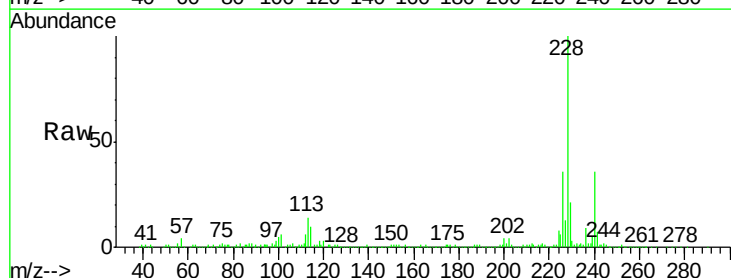
RT: 14.77 min Scan# 1145

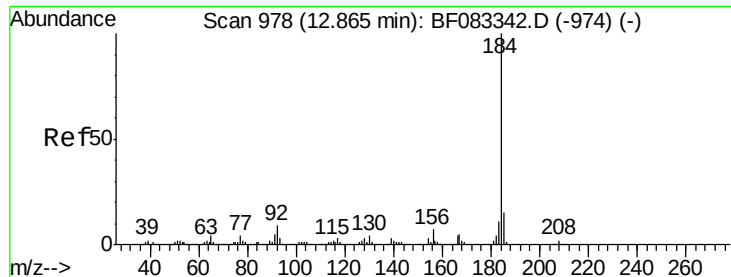
Delta R.T. 0.01 min

Lab File: BF083453.D

Acq: 3 Dec 2015 9:57

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.1	6.9	10.3
236	24.8	19.8	29.6





#76

Benzidine

Concen: 64.20 ng

RT: 12.88 min Scan# 979

Delta R.T. 0.01 min

Lab File: BF083453.D

Acq: 3 Dec 2015 9:57

Instrument :

BNA_F

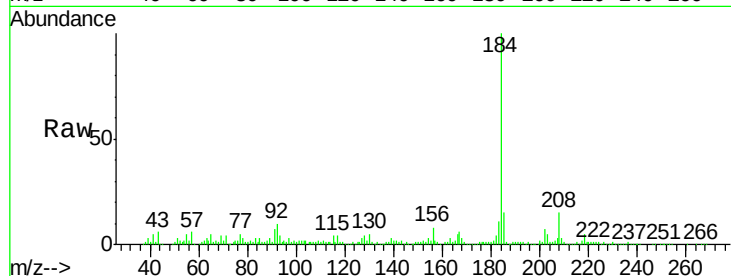
ClientSampleId :

SB-P3WC-09(0-8)MSD

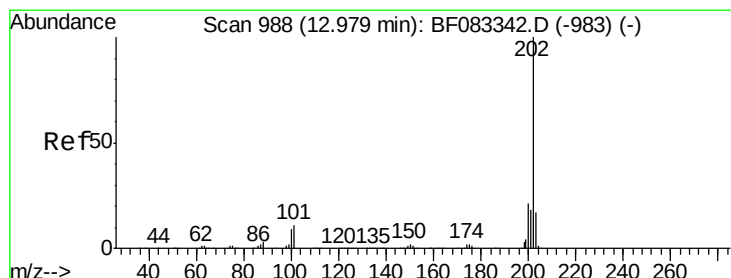
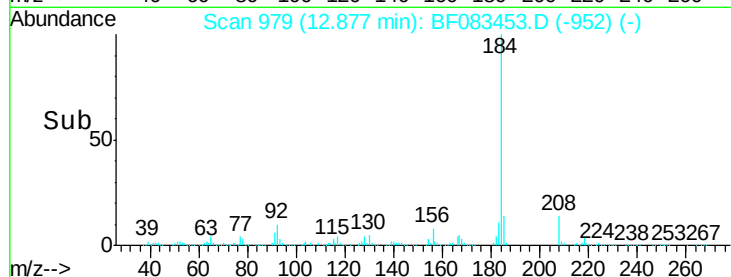
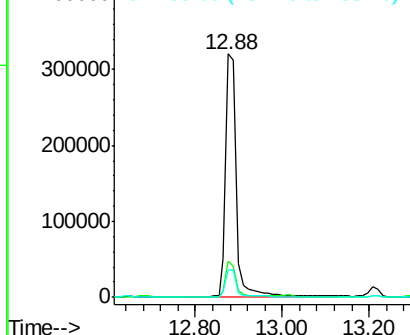
Tot Ion:	184	Resp:	554977
Ion Ratio	Lower	Upper	
184	100		
185	14.7	12.4	18.6
183	11.3	9.0	13.4

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 449.43 ng m

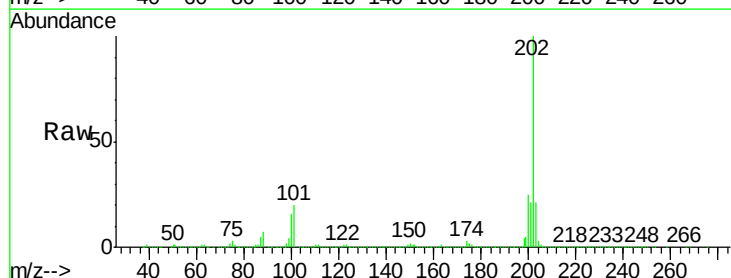
RT: 13.01 min Scan# 991

Delta R.T. 0.03 min

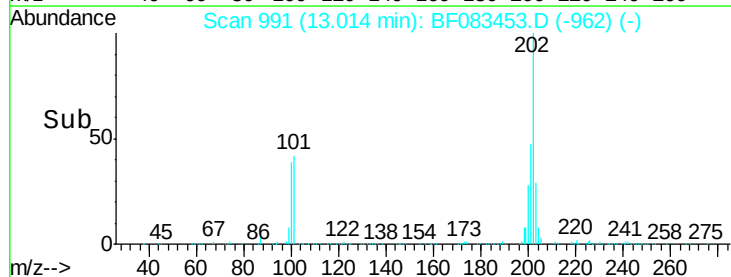
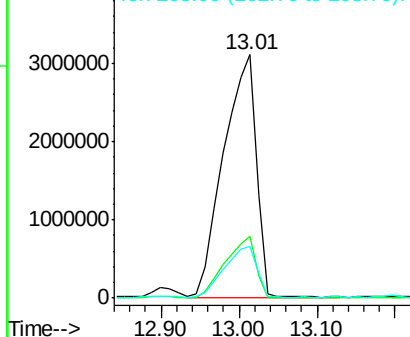
Lab File: BF083453.D

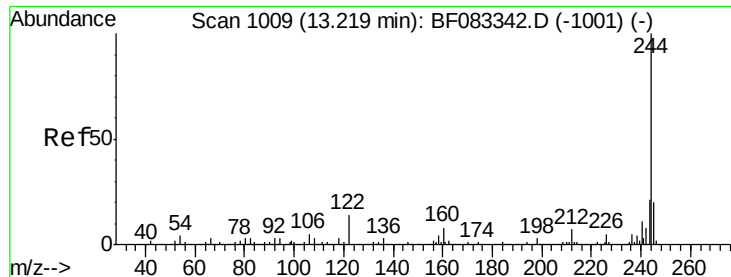
Acq: 3 Dec 2015 9:57

Tgt Ion:	202	Resp:	9109548
Ion Ratio	Lower	Upper	
202	100		
200	25.2	16.9	25.3
203	21.4	13.9	20.9#



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





#78

Terphenyl-d14

Concen: 106.09 ng

RT: 13.22 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BF083453.D

Acq: 3 Dec 2015 9:57

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-09(0-8)MSD

Tot Ion:244 Resp: 1291120

Ion Ratio Lower Upper

244 100

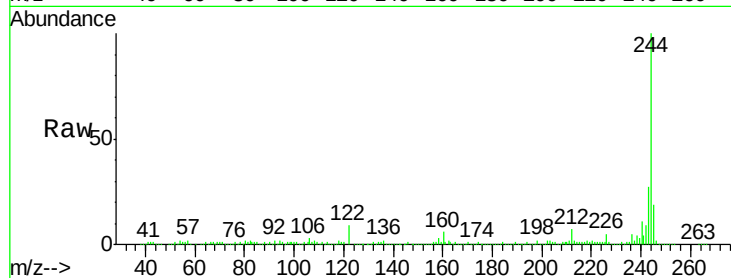
212 6.8 5.8 8.8

122 8.9 11.0 16.4#

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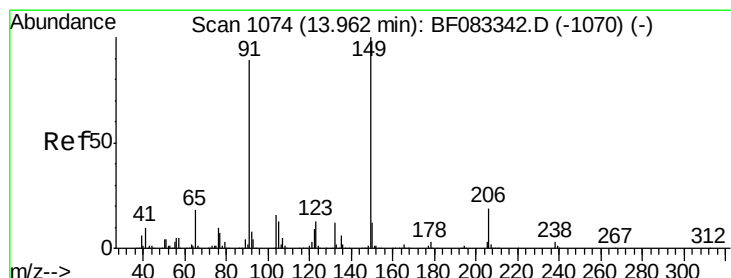
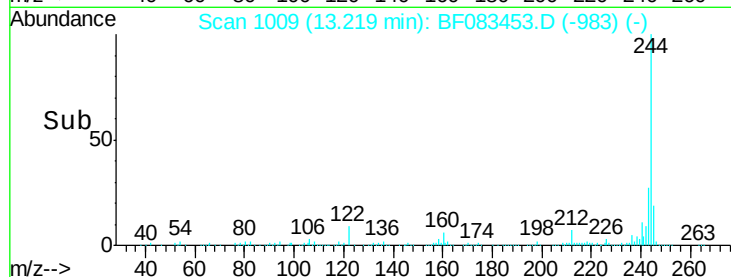
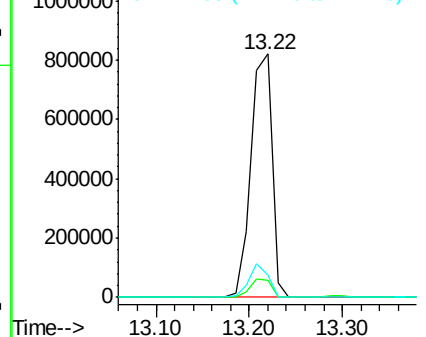
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 56.56 ng

RT: 13.95 min Scan# 1073

Delta R.T. -0.01 min

Lab File: BF083453.D

Acq: 3 Dec 2015 9:57

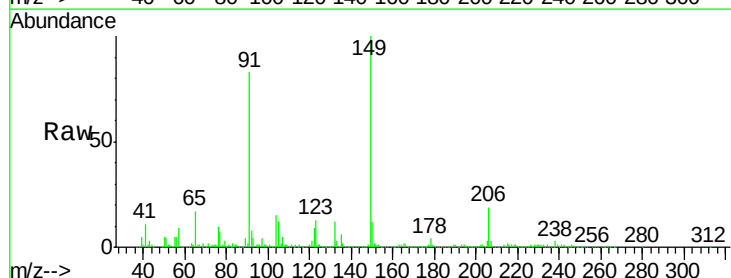
Tgt Ion:149 Resp: 486323

Ion Ratio Lower Upper

149 100

91 83.0 71.4 107.2

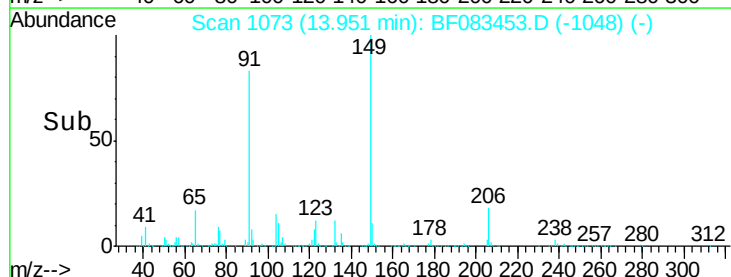
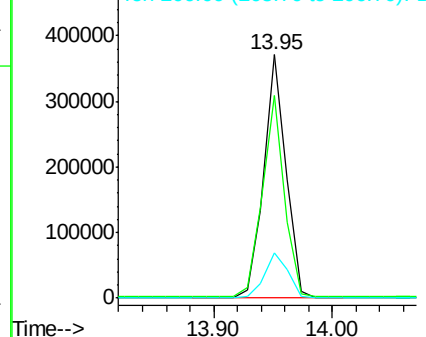
206 18.5 15.1 22.7

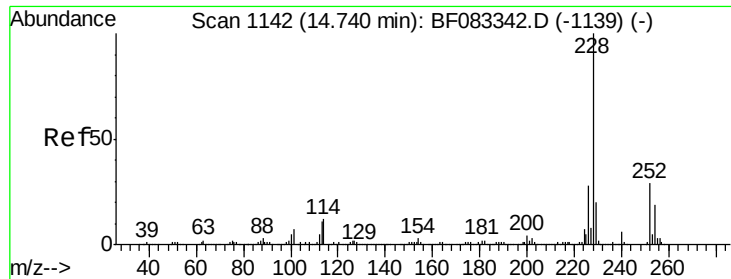


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





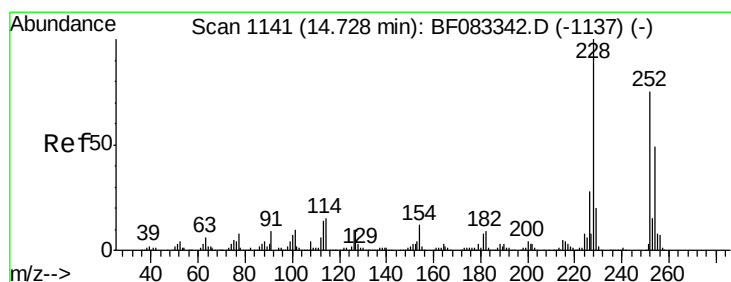
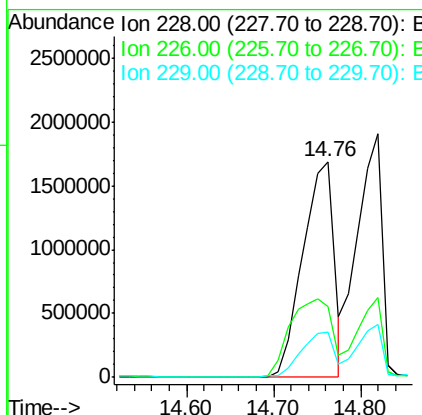
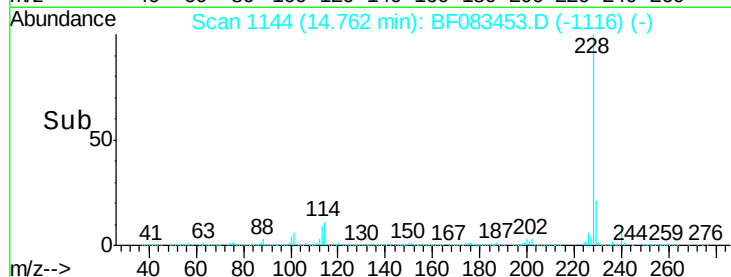
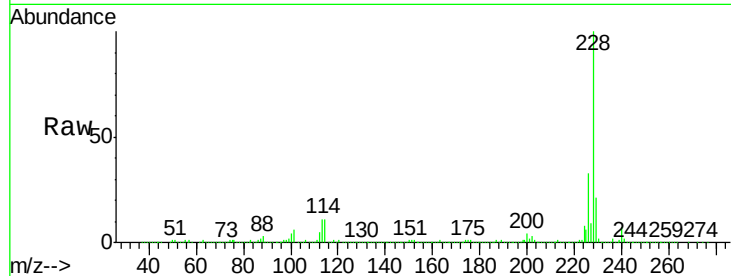
#80
Benzo(a)anthracene
Concen: 233.85 ng
RT: 14.76 min Scan# 1144
Delta R.T. 0.02 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MSD

Tot Ion:228 Resp: 4158013
Ion Ratio Lower Upper
228 100
226 32.8 22.2 33.4
229 20.9 16.1 24.1

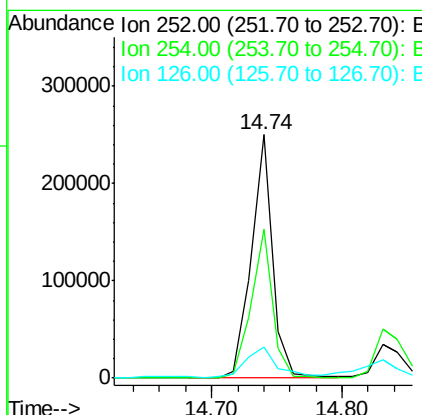
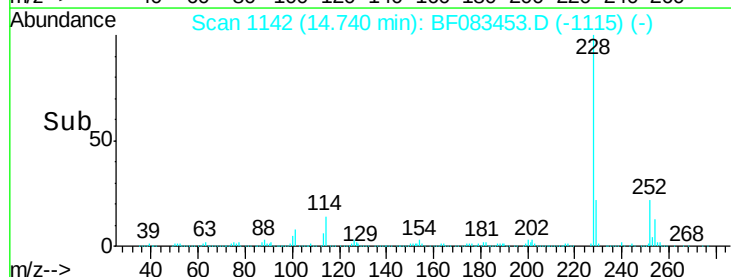
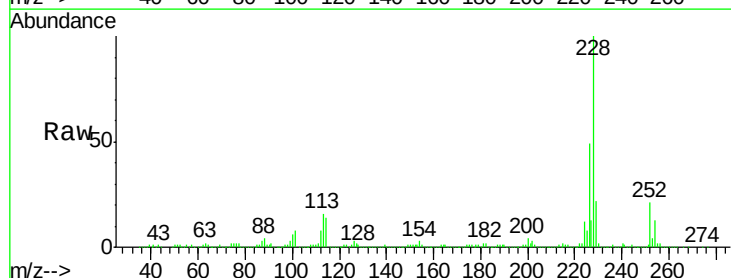
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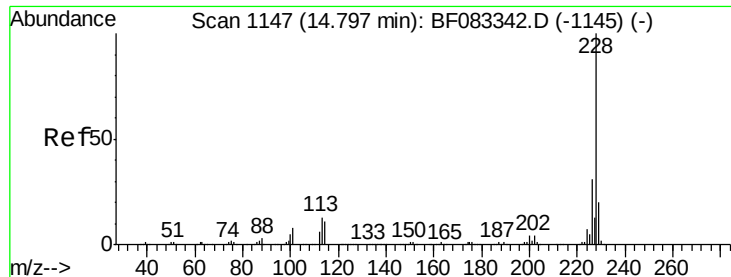
Mmdadoda
12/3/2015 7:10:14 PM



#81
3,3'-Dichlorobenzidine
Concen: 50.96 ng
RT: 14.74 min Scan# 1142
Delta R.T. 0.01 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Tgt Ion:252 Resp: 283046
Ion Ratio Lower Upper
252 100
254 61.3 52.0 78.0
126 12.6 10.7 16.1





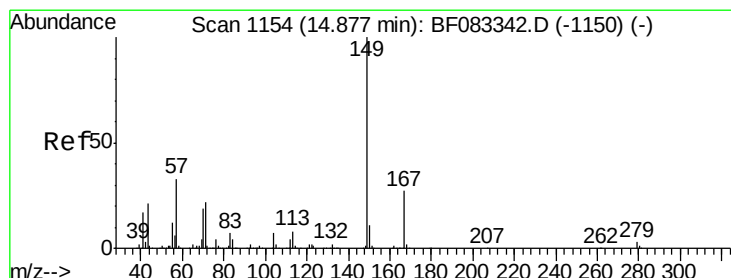
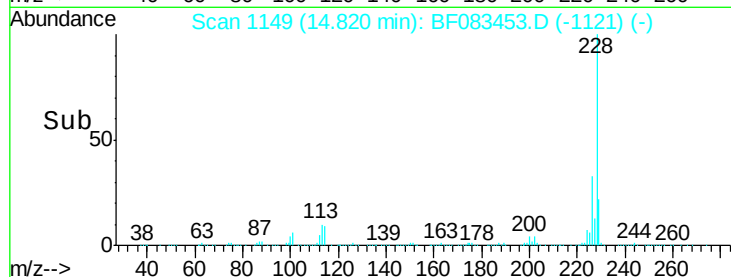
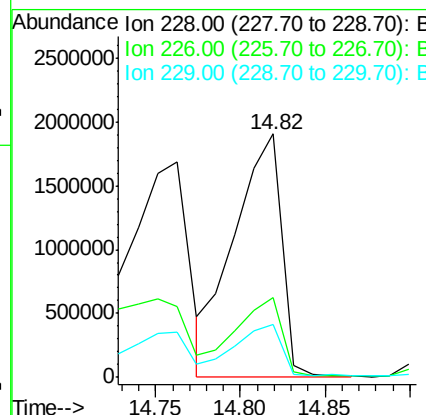
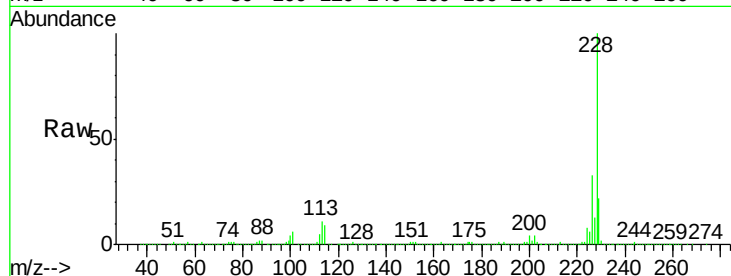
#82
 Chrysene
 Concen: 218.01 ng/mL
 RT: 14.82 min Scan# 1149
 Delta R.T. 0.02 min
 Lab File: BF083453.D
 Acq: 3 Dec 2015 9:57

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-09(0-8)MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.8	24.6	37.0
229	21.8	16.2	24.2

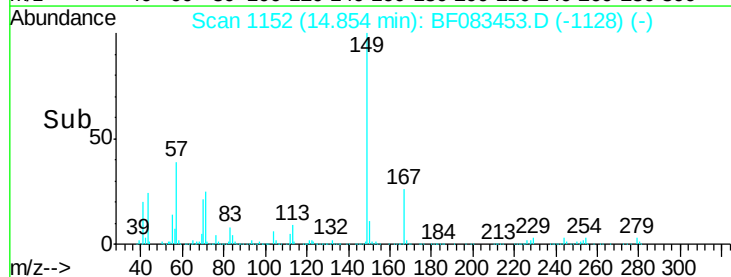
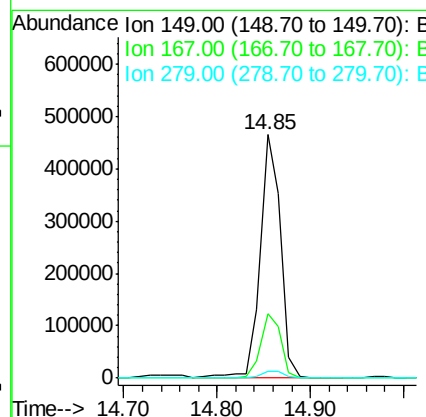
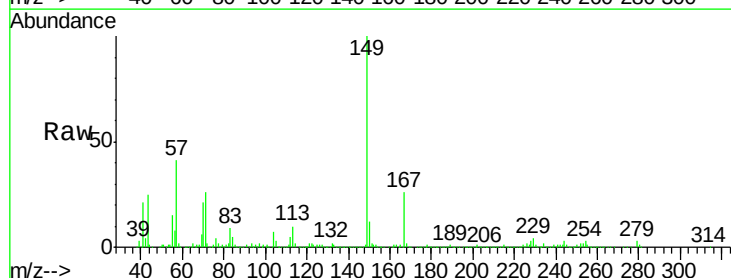
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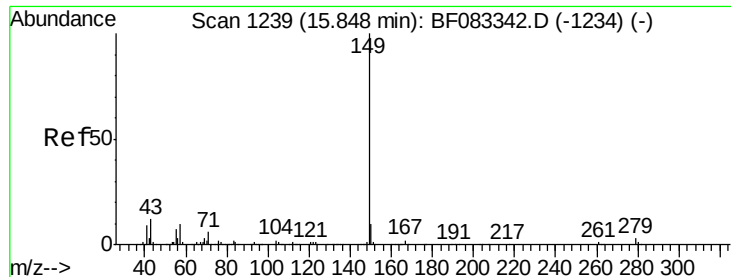
Mmdadoda
 12/3/2015 7:10:14 PM



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 60.63 ng/mL
 RT: 14.85 min Scan# 1152
 Delta R.T. -0.02 min
 Lab File: BF083453.D
 Acq: 3 Dec 2015 9:57

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.5	32.3
279	2.6	2.6	3.8





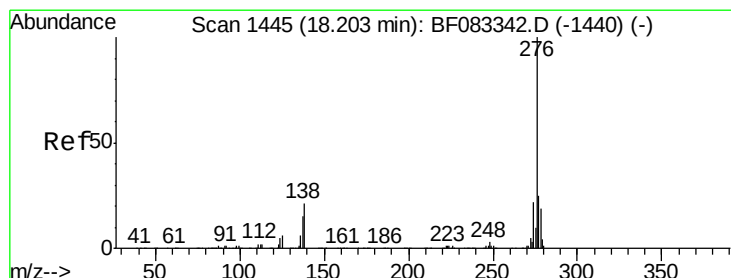
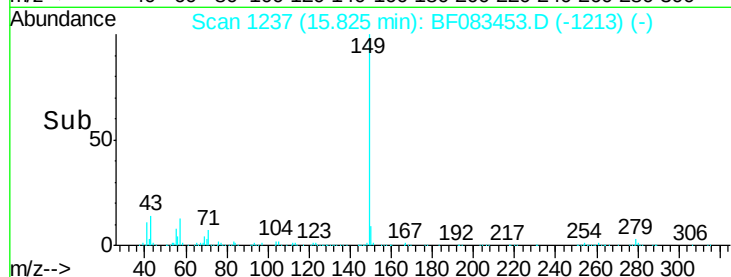
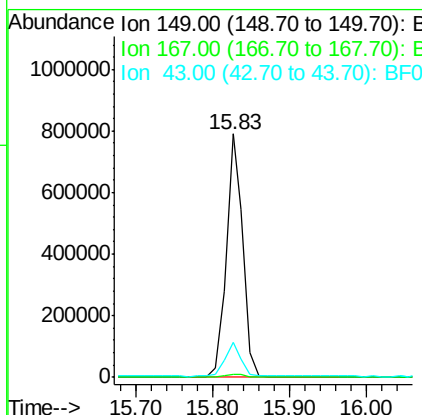
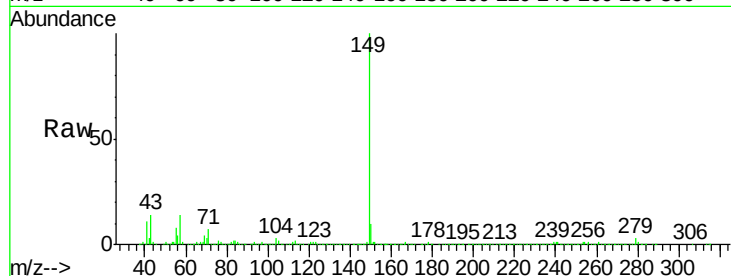
#84
Di-n-octyl phthalate
Concen: 69.21 ng
RT: 15.83 min Scan# 1237
Delta R.T. -0.02 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.2	1.8
43	14.5	11.0	16.6

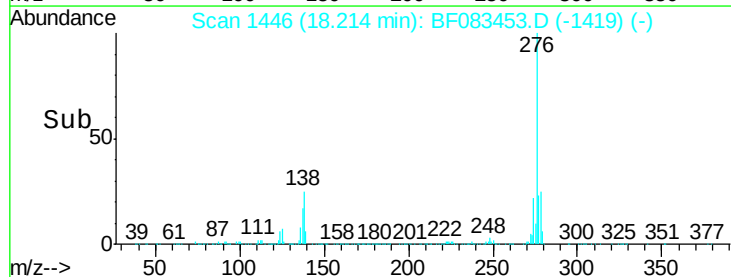
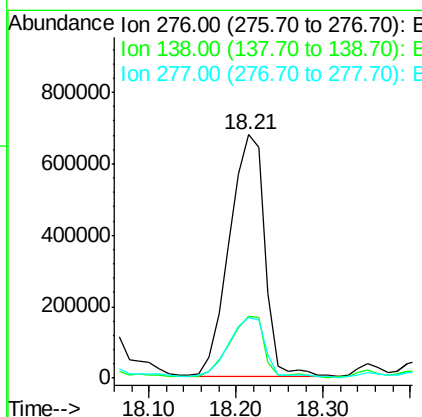
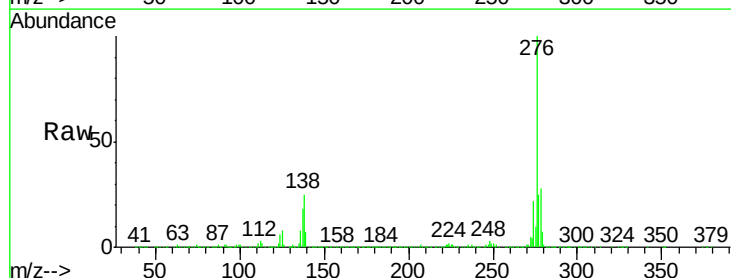
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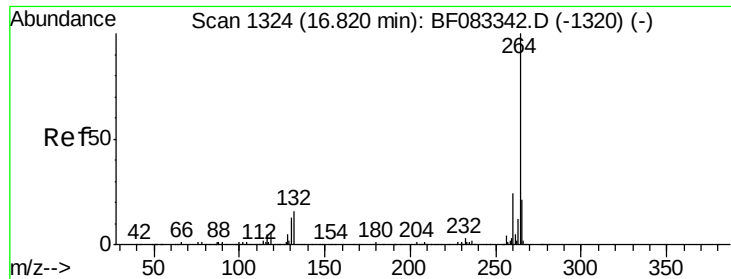
Mmdadoda
12/3/2015 7:10:14 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 153.09 ng
RT: 18.21 min Scan# 1446
Delta R.T. 0.01 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.1	21.2	31.8
277	25.5	20.0	30.0





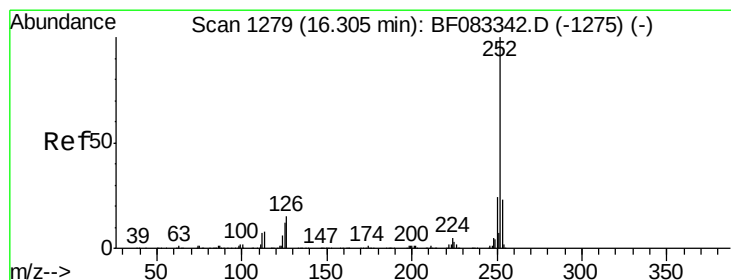
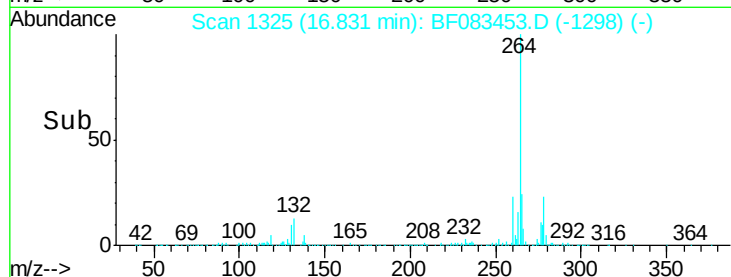
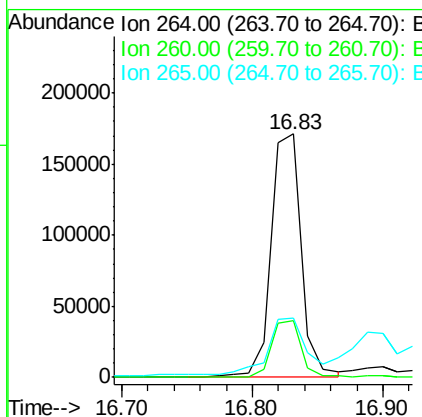
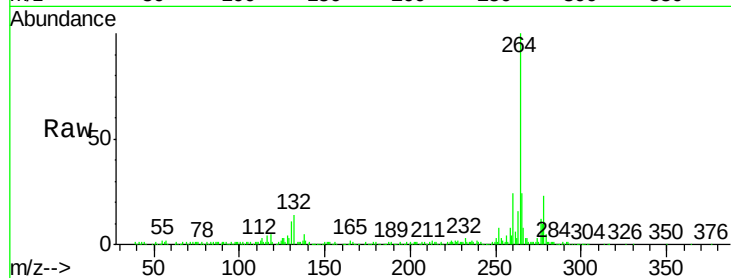
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.83 min Scan# 1325
Delta R.T. 0.01 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.4
265	24.5	16.8	25.2

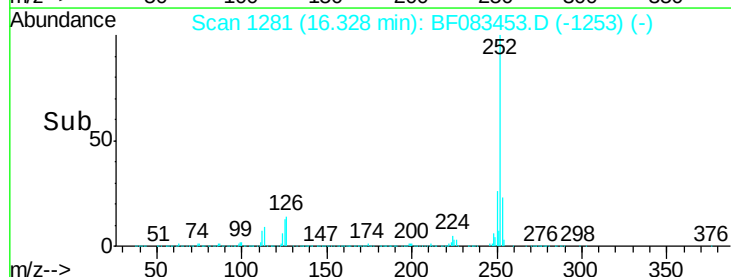
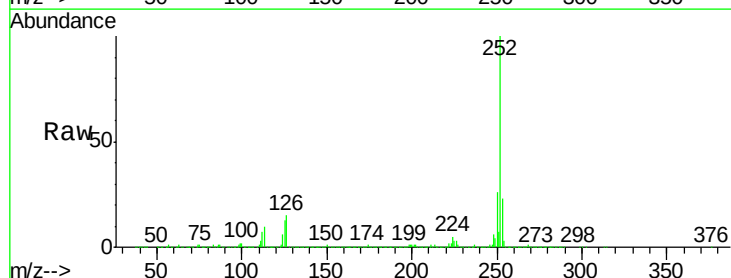
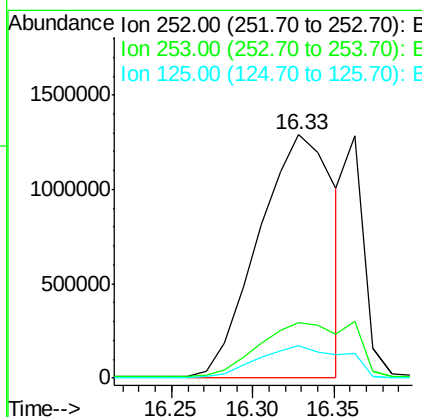
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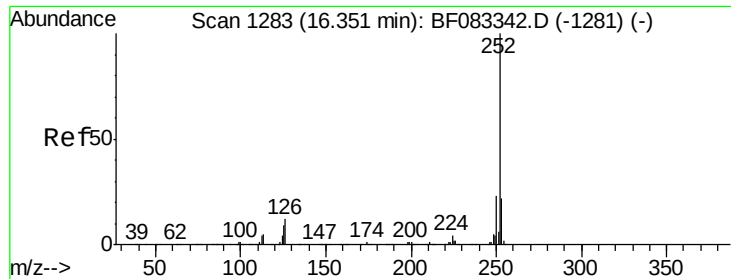
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12/3/2015 7:10:14 PM



#87
Benzo(b)fluoranthene
Concen: 237.01 ng m
RT: 16.33 min Scan# 1281
Delta R.T. 0.02 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.4	27.6
125	13.1	9.6	14.4





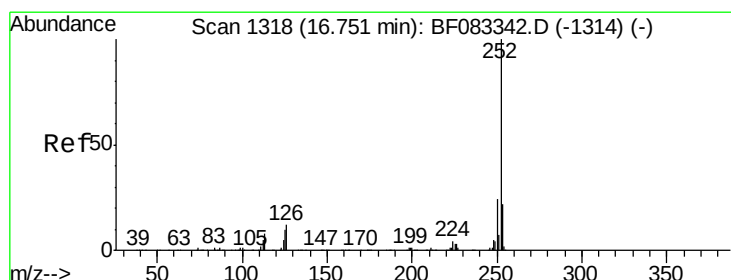
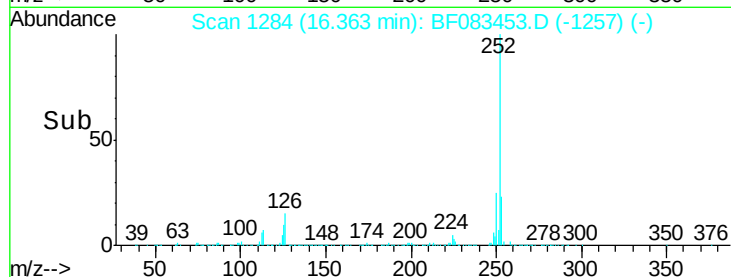
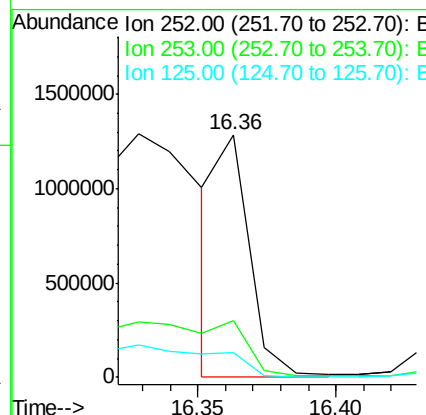
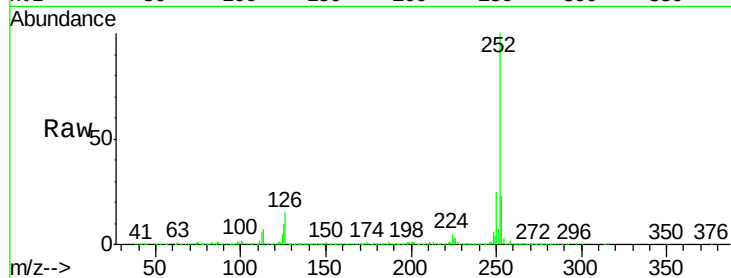
#88
Benzo(k)fluoranthene
Concen: 60.95 ng m
RT: 16.36 min Scan# 1284
Delta R.T. 0.01 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MSD

Tot Ion:252 Resp: 1016730
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 10.1 7.5 11.3

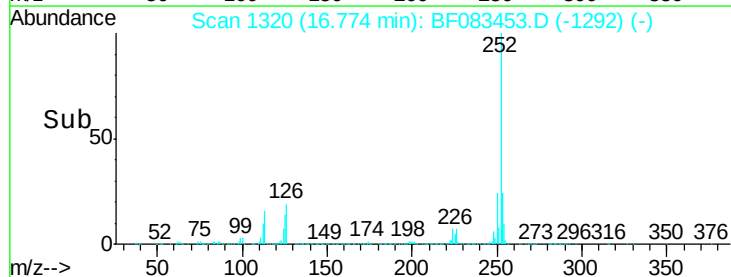
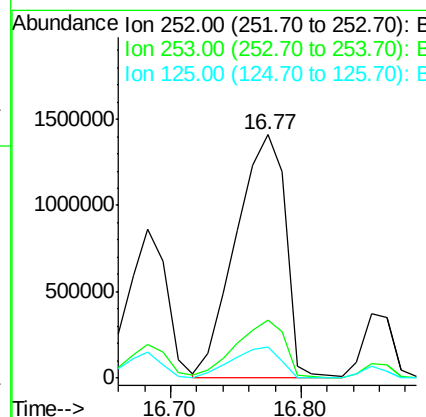
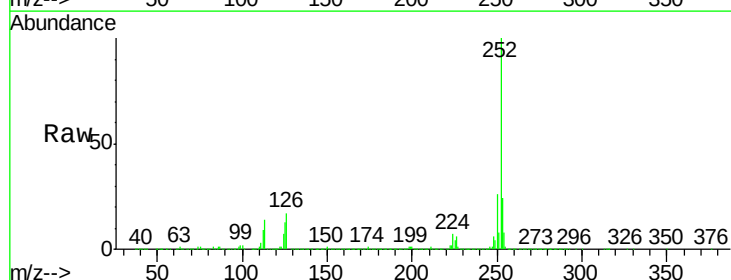
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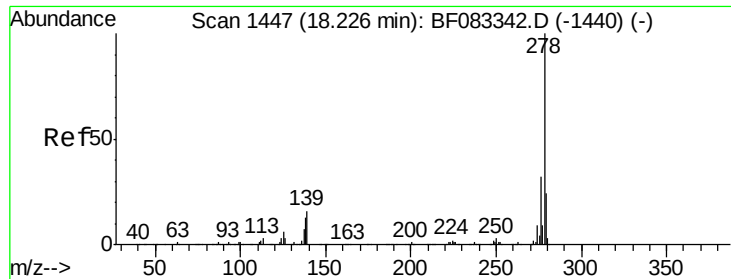
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12/3/2015 7:10:14 PM



#89
Benzo(a)pyrene
Concen: 243.92 ng
RT: 16.77 min Scan# 1320
Delta R.T. 0.02 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Tgt Ion:252 Resp: 3700937
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 13.0 7.8 11.8#





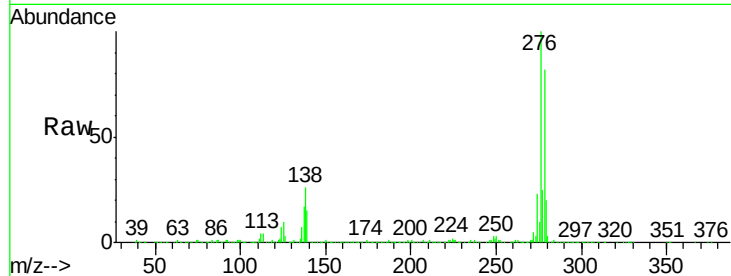
#90
Dibenzo(a,h)anthracene
Concen: 62.48 ng
RT: 18.23 min Scan# 1447
Delta R.T. 0.00 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-09(0-8)MSD

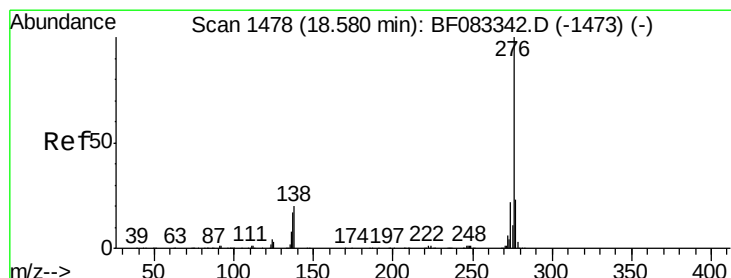
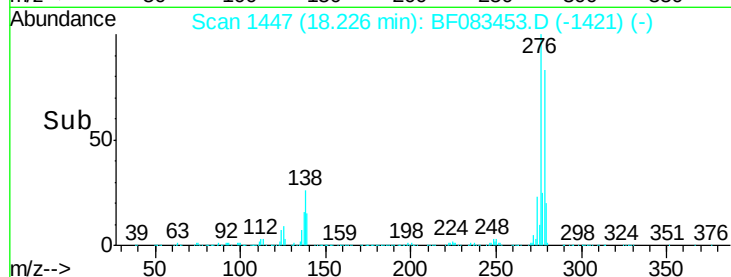
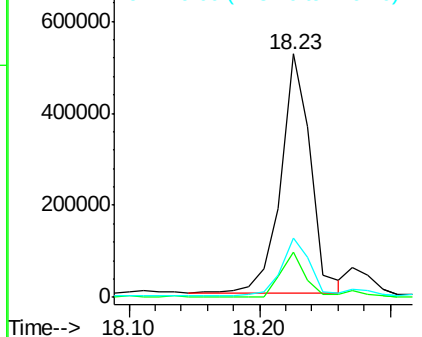
Tot Ion	Ratio	Lower	Upper
278	100		
139	18.7	13.1	19.7
279	24.4	19.2	28.8

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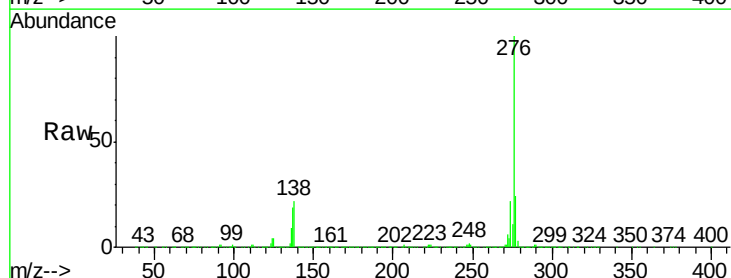


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 149.20 ng
RT: 18.60 min Scan# 1480
Delta R.T. 0.02 min
Lab File: BF083453.D
Acq: 3 Dec 2015 9:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.6	28.0
138	22.1	16.1	24.1



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

