

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081315\
 Data File : BF080987.D
 Acq On : 13 Aug 2015 18:35
 Operator : UM/IZ
 Sample : G3238-01MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-A(2)MSD

Manual Integrations
 APPROVED

MMDadoda
 8/14/2015 3:09:00 PM

Quant Time: Aug 14 07:29:45 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 14 07:19:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	45111	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	171688m	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	79306m	20.00	ng	0.00
63) Phenanthrene-d10	11.27	188	141956m	20.00	ng	0.00
75) Chrysene-d12	13.89	240	94015m	20.00	ng	0.00
86) Perylene-d12	15.27	264	39482	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	108942	39.46	ng	0.00
7) Phenol-d6	6.38	99	85681	22.65	ng	0.00
23) Nitrobenzene-d5	7.32	82	307994	84.85	ng	0.00
41) 2,4,6-Tribromophenol	10.58	330	73331m	84.17	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	456744m	81.08	ng	0.00
78) Terphenyl-d14	12.85	244	420725	92.43	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	2.32	88	16064	12.27	ng	# 84
3) Pyridine	3.01	79	47075	12.68	ng	# 85
4) n-Nitrosodimethylamine	2.93	42	34151	18.01	ng	84
6) Aniline	6.41	93	92303	16.61	ng	91
8) 2-Chlorophenol	6.53	128	91107	28.52	ng	91
9) Benzaldehyde	6.29	77	73257	28.72	ng	96
10) Phenol	6.40	94	36957	8.23	ng	# 67
11) bis(2-Chloroethyl)ether	6.49	93	71851	21.44	ng	92
12) 1,3-Dichlorobenzene	6.69	146	114769	33.85	ng	97
13) 1,4-Dichlorobenzene	6.77	146	115814	32.87	ng	97
14) 1,2-Dichlorobenzene	6.92	146	111427	34.98	ng	98
15) Benzyl Alcohol	6.90	79	86636	27.98	ng	93
16) 2,2'-oxybis(1-Chloropropan	7.04	45	270923	40.18	ng	98
17) 2-Methylphenol	7.01	107	60574	22.21	ng	# 87
18) Hexachloroethane	7.26	117	83350	61.75	ng	99
19) n-Nitroso-di-n-propylamine	7.17	70	103546	37.44	ng	88
20) 3+4-Methylphenols	7.17	107	73021	21.32	ng	# 84
22) Acetophenone	7.16	105	190632	45.32	ng	95
24) Nitrobenzene	7.33	77	142989m	38.26	ng	
25) Isophorone	7.58	82	273159	39.13	ng	97
26) 2-Nitrophenol	7.65	139	51802m	32.94	ng	
27) 2,4-Dimethylphenol	7.70	122	91060	30.93	ng	88
28) bis(2-Chloroethoxy)methane	7.80	93	168798	40.28	ng	97
29) 2,4-Dichlorophenol	7.90	162	82389	34.06	ng	90
30) 1,2,4-Trichlorobenzene	7.98	180	99133	37.49	ng	98
31) Naphthalene	8.06	128	986206	104.21	ng	97
32) Benzoic acid	7.80	122	24245	13.76	ng	87
33) 4-Chloroaniline	8.11	127	115984	30.16	ng	95
34) Hexachlorobutadiene	8.18	225	54483	34.63	ng	96
35) Caprolactam	8.50	113	6709	7.71	ng	# 17
36) 4-Chloro-3-methylphenol	8.60	107	91037	30.84	ng	90
37) 2-Methylnaphthalene	8.75	142	523089	86.83	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.92	216	94424	38.62	ng	# 97
40) Hexachlorocyclopentadiene	8.91	237	105026	78.72	ng	98

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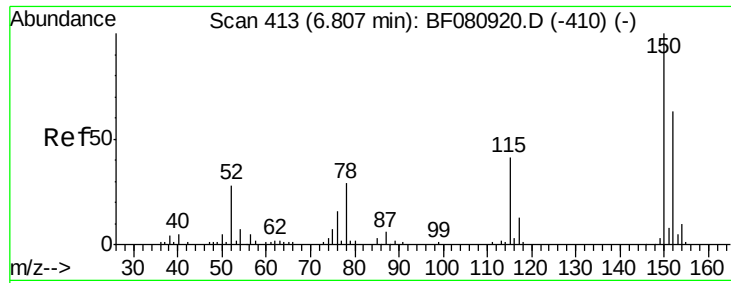
Manual Integrations
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 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080715.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.04	196	60788m	33.92	nq	
43) 2,4,5-Trichlorophenol	9.07	196	59820m	33.13	nq	
45) 1,1'-Biphenyl	9.22	154	317703m	46.68	nq	
46) 2-Chloronaphthalene	9.24	162	207019m	39.01	nq	
47) 2-Nitroaniline	9.33	65	90269m	42.43	nq	
48) Acenaphthylene	9.65	152	360284m	39.05	nq	
49) Dimethylphthalate	9.53	163	272957m	41.43	nq	
50) 2,6-Dinitrotoluene	9.58	165	53794m	39.53	nq	
51) Acenaphthene	9.82	154	227642m	40.29	nq	
52) 3-Nitroaniline	9.74	138	44260m	26.38	nq	
53) 2,4-Dinitrophenol	9.86	184	52866m	65.17	nq	
54) Dibenzofuran	10.00	168	315037m	41.24	nq	
55) 4-Nitrophenol	9.92	139	31467m	25.05	nq	
56) 2,4-Dinitrotoluene	9.98	165	74806m	41.08	nq	
57) Fluorene	10.34	166	275901m	46.68	nq	
58) 2,3,4,6-Tetrachlorophenol	10.11	232	46243m	32.36	nq	
59) Diethylphthalate	10.21	149	255805m	37.30	nq	
60) 4-Chlorophenyl-phenylether	10.33	204	94662m	32.87	nq	
61) 4-Nitroaniline	10.36	138	59356m	34.38	nq	
62) Azobenzene	10.49	77	284888m	37.15	nq	
64) 4,6-Dinitro-2-methylphenol	10.38	198	32449m	36.88	nq	
65) n-Nitrosodiphenylamine	10.45	169	211860m	42.96	nq	
66) 4-Bromophenyl-phenylether	10.82	248	59965m	39.88	nq	
67) Hexachlorobenzene	10.88	284	51125m	30.59	nq	
68) Atrazine	10.99	200	58117m	40.19	nq	
69) Pentachlorophenol	11.08	266	65691m	67.59	nq	
70) Phenanthrene	11.29	178	302502m	37.63	nq	
71) Anthracene	11.35	178	346460m	43.54	nq	
72) Carbazole	11.51	167	452695m	58.43	nq	
73) Di-n-butylphthalate	11.84	149	358495m	37.00	nq	
74) Fluoranthene	12.48	202	351958m	40.50	nq	
76) Benzidine	12.60	184	10913	4.00	nq	# 84
77) Pyrene	12.69	202	335693	48.33	nq	99
79) Butylbenzylphthalate	13.32	149	140731	42.03	nq	# 61
80) Benzo(a)anthracene	13.88	228	254070	42.78	nq	100
81) 3,3'-Dichlorobenzidine	13.85	252	43322	20.05	nq	# 96
82) Chrysene	13.92	228	189140	33.26	nq	100
83) Bis(2-ethylhexyl)phthalate	13.88	149	187153	40.17	nq	# 92
84) Di-n-octyl phthalate	14.50	149	254507	32.22	nq	99
85) Indeno(1,2,3-cd)pyrene	16.59	276	86804	16.04	nq	96
87) Benzo(b)fluoranthene	14.89	252	154912m	56.42	nq	
88) Benzo(k)fluoranthene	14.91	252	137409m	57.21	nq	
89) Benzo(a)pyrene	15.22	252	120557	51.09	nq	100
90) Dibenzo(a,h)anthracene	16.60	278	71518	34.27	nq	99
91) Benzo(g,h,i)perylene	16.98	276	75471	37.18	nq	# 94

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



#1

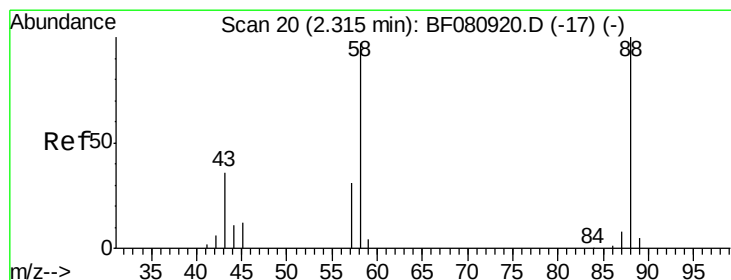
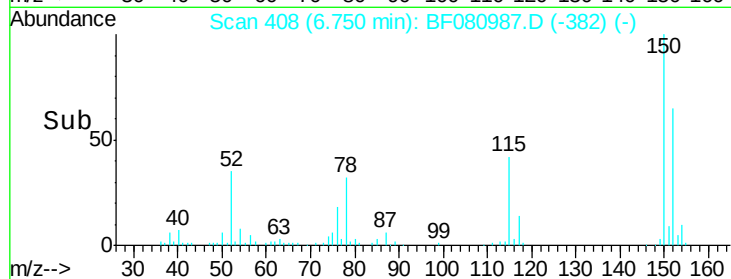
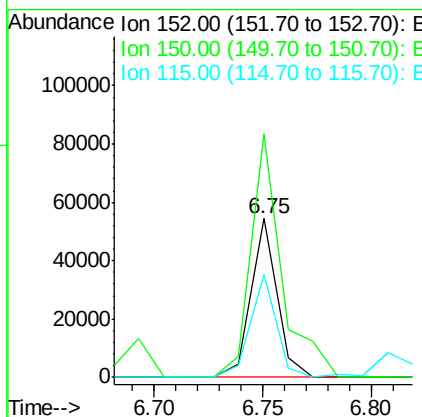
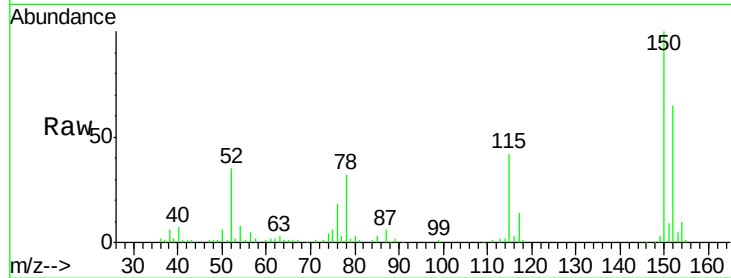
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 408
Delta R.T. 0.00 min
Lab File: BF080987.D
Acq: 13 Aug 2015 18:35

Instrument :
BNA_F
ClientSampleId :
S-A(2)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	127.4	191.2
115	65.0	52.6	78.8

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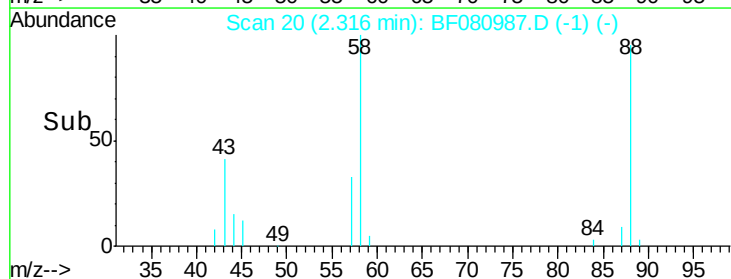
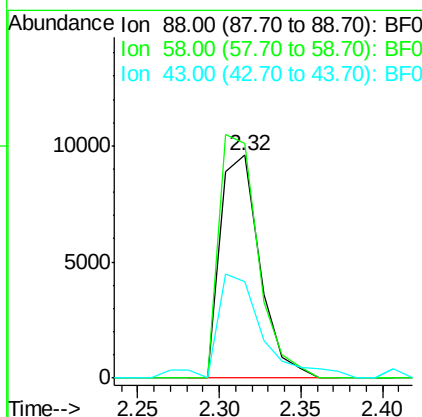
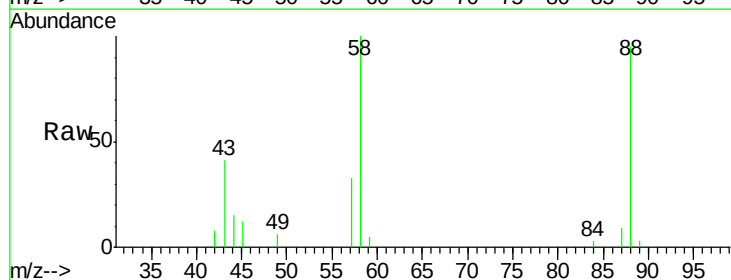
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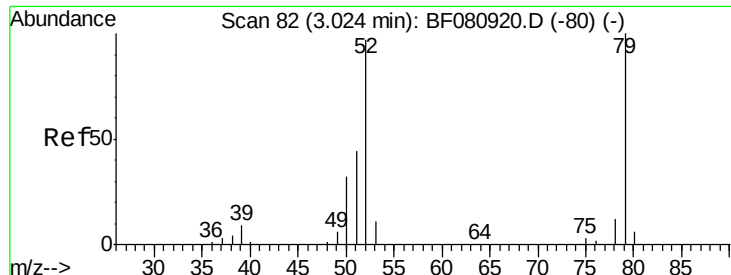


#2

1,4-Dioxane
Concen: 12.27 ng
RT: 2.32 min Scan# 20
Delta R.T. 0.06 min
Lab File: BF080987.D
Acq: 13 Aug 2015 18:35

Tgt Ion	Ratio	Lower	Upper
88	100		
58	108.1	79.3	118.9
43	54.9	28.3	42.5





#3

Pvridine

Concen: 12.68 ng

RT: 3.01 min Scan# 81

Delta R.T. 0.07 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Instrument :

BNA_F

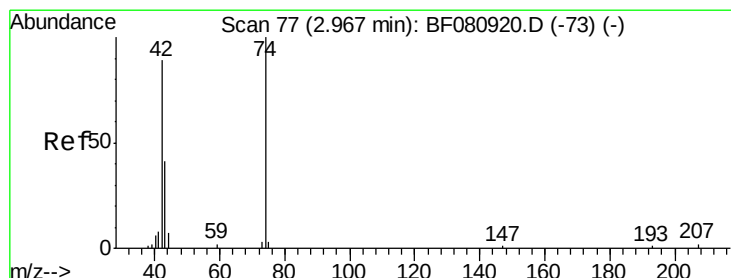
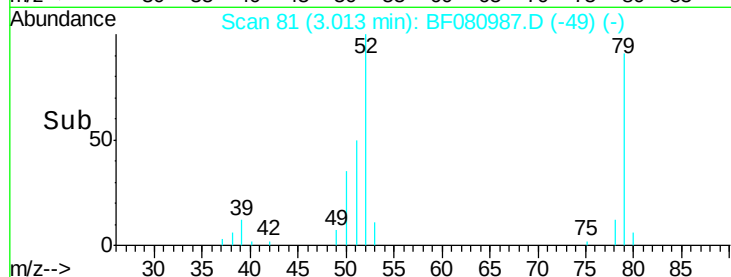
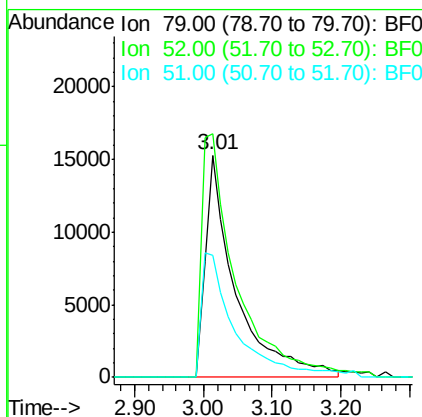
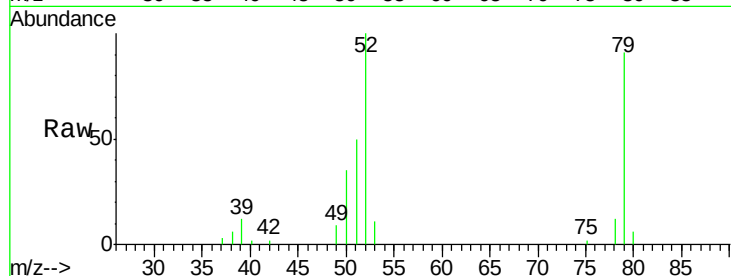
ClientSampleId :

S-A(2)MSD

Tot Ion	Ion	Ratio	Lower	Upper
79	79	100		
52	52	109.7	77.2	115.8
51	51	55.2	35.0	52.4

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 18.01 ng

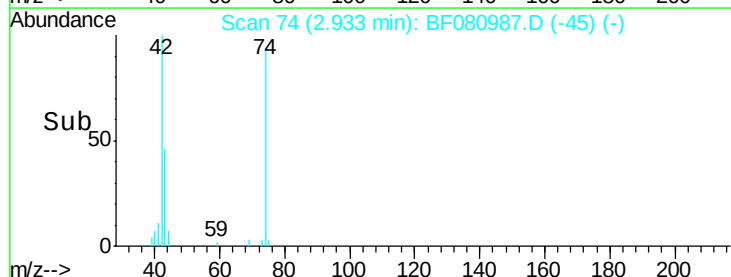
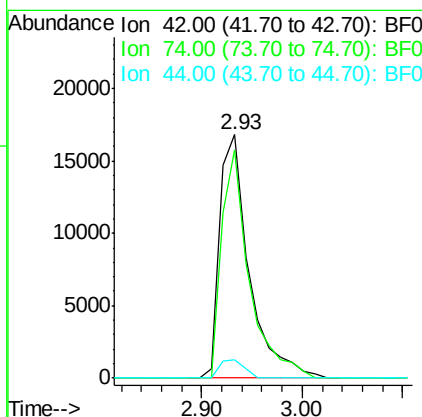
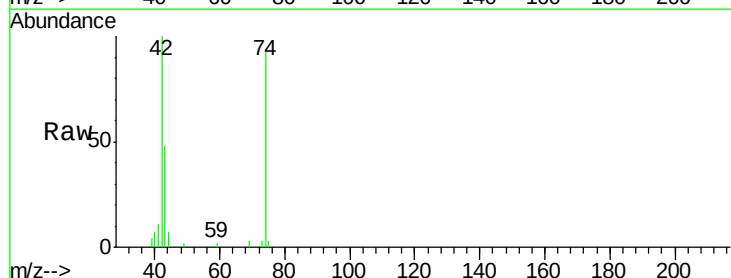
RT: 2.93 min Scan# 74

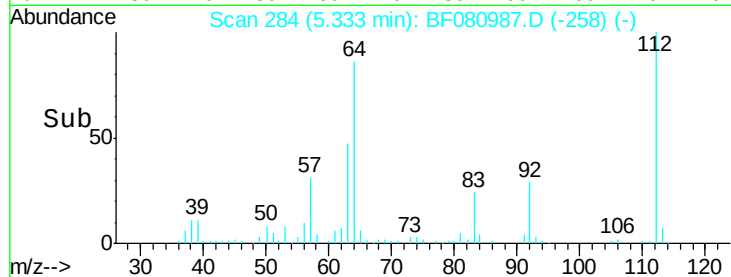
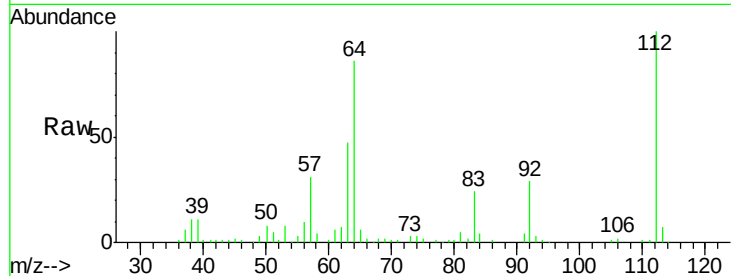
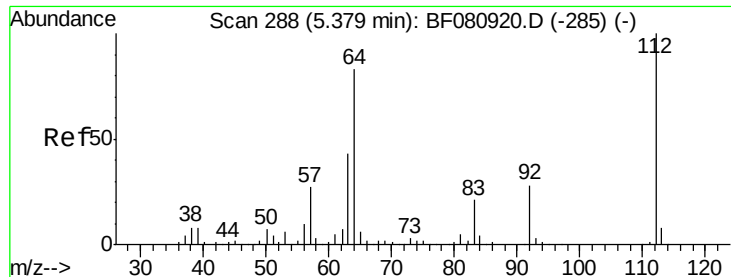
Delta R.T. 0.03 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Tgt Ion	Ion	Ratio	Lower	Upper
42	42	100		
74	74	93.6	89.8	134.8
44	44	7.3	6.5	9.7





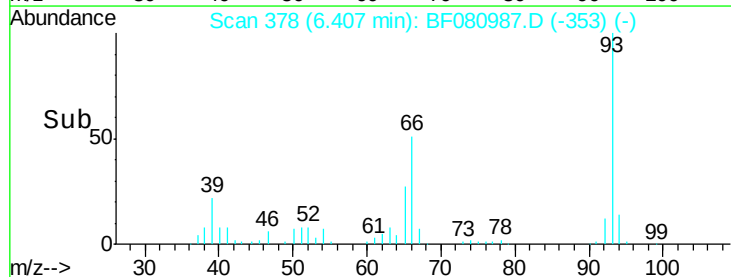
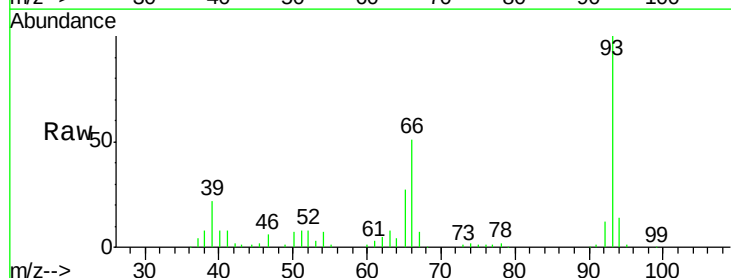
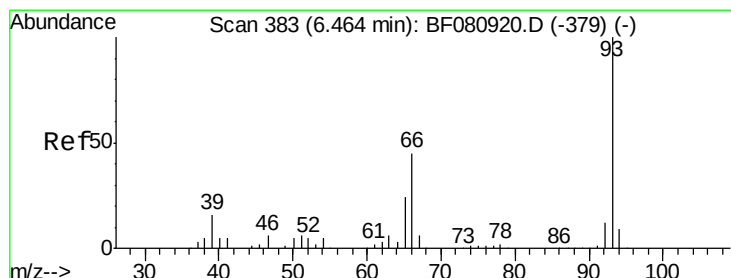
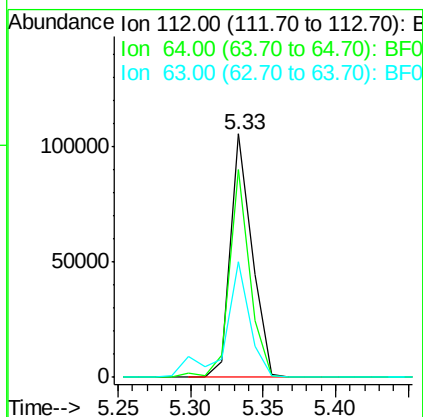
#5
2-Fluorophenol
Concen: 39.46 ng
RT: 5.33 min Scan# 284
Delta R.T. 0.00 min
Lab File: BF080987.D
Acq: 13 Aug 2015 18:35

Tot Ion	Ratio	Resp Lower	Upper
112	100		
64	85.6	66.1	99.1
63	47.3	34.6	52.0

Instrument :
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S-A(2)MSD

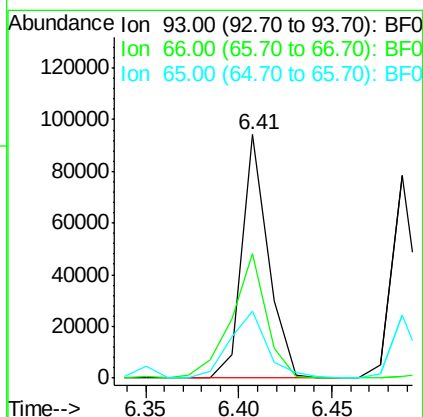
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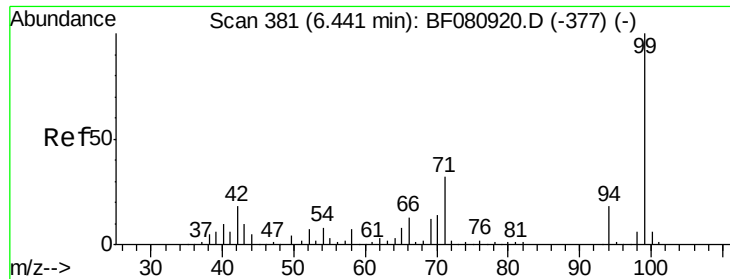
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#6
Aniline
Concen: 16.61 ng
RT: 6.41 min Scan# 378
Delta R.T. -0.01 min
Lab File: BF080987.D
Acq: 13 Aug 2015 18:35

Tgt Ion	Ratio	Resp Lower	Upper
93	100		
66	51.2	36.2	54.4
65	27.5	19.0	28.4





#7

Phenol-d6

Concen: 22.65 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.00 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Instrument :

BNA_F

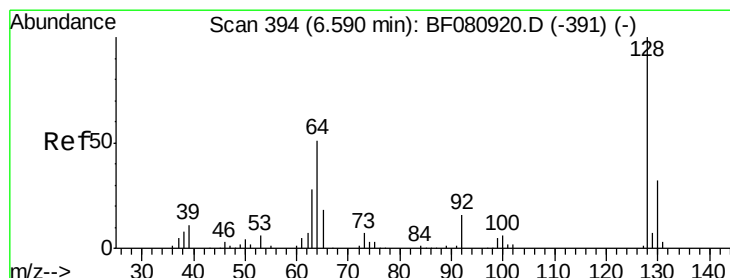
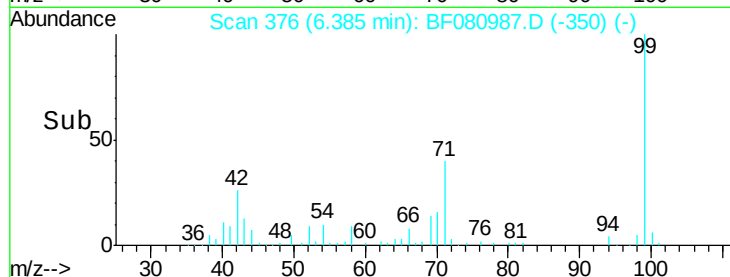
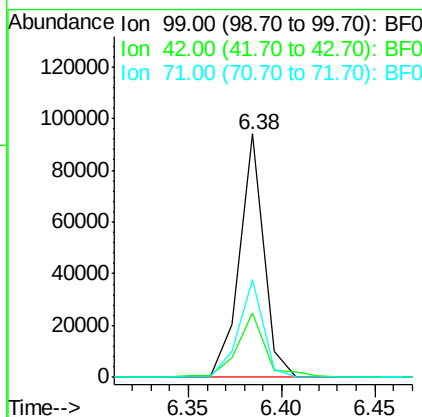
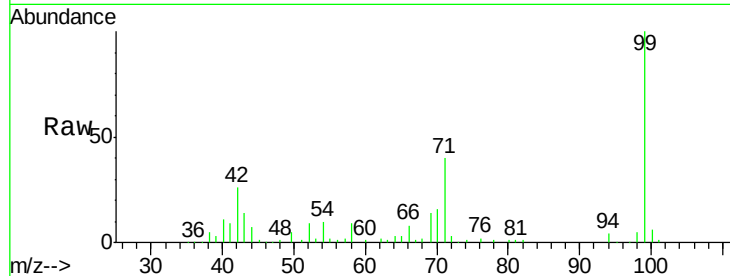
ClientSampleId :

S-A(2)MSD

Tot Ion:	99	Resp:	85681
Ion Ratio	Lower	Upper	
99	100		
42	26.3	14.4	21.6#
71	40.3	25.8	38.8#

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#8

2-Chlorophenol

Concen: 28.52 ng

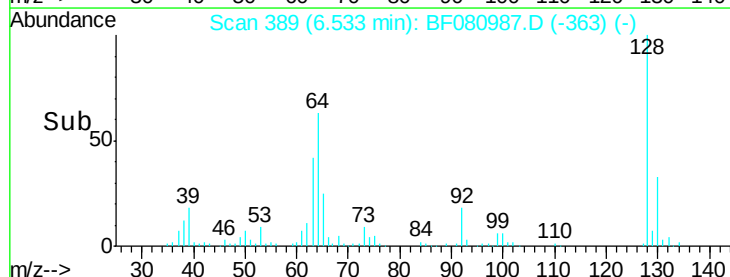
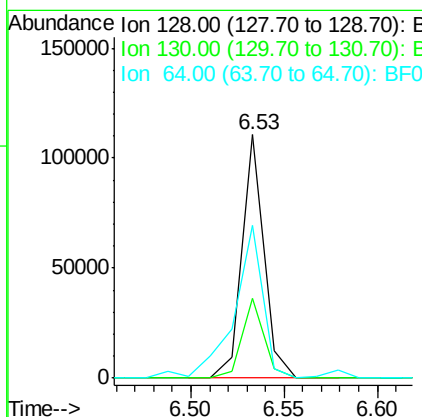
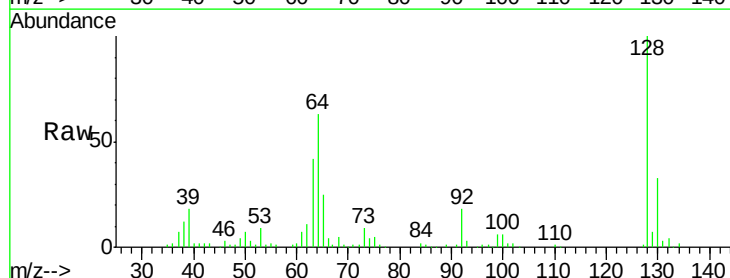
RT: 6.53 min Scan# 389

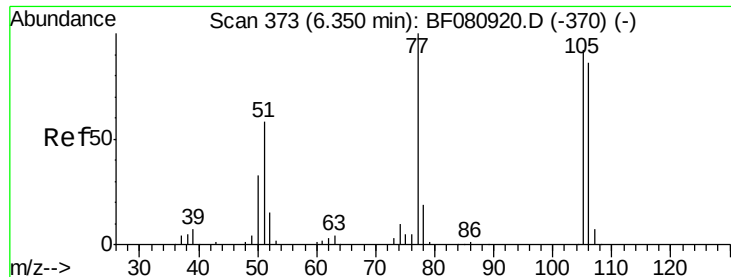
Delta R.T. 0.00 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Tgt Ion:	128	Resp:	91107
Ion Ratio	Lower	Upper	
128	100		
130	32.6	12.4	52.4
64	62.5	32.1	72.1





#9

Benzaldehyde

Concen: 28.72 ng

RT: 6.29 min Scan# 368

Delta R.T. 0.00 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Instrument :

BNA_F

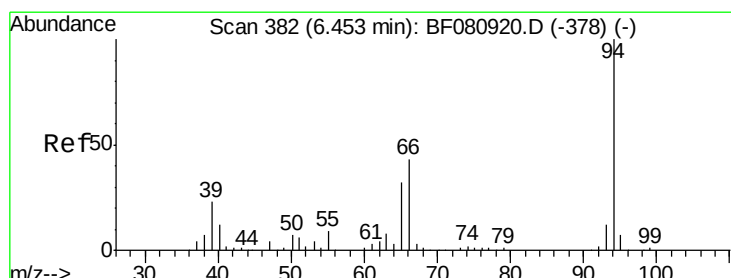
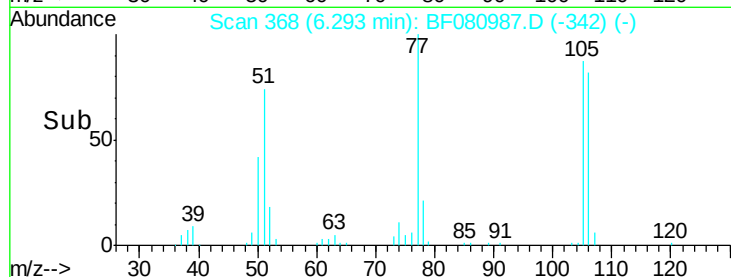
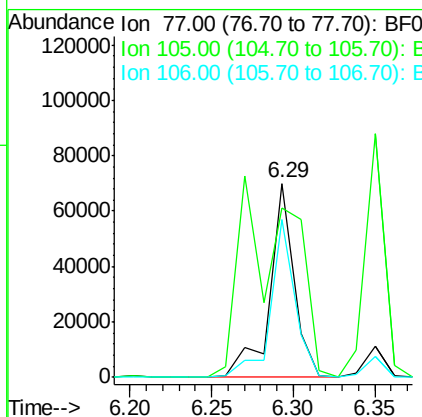
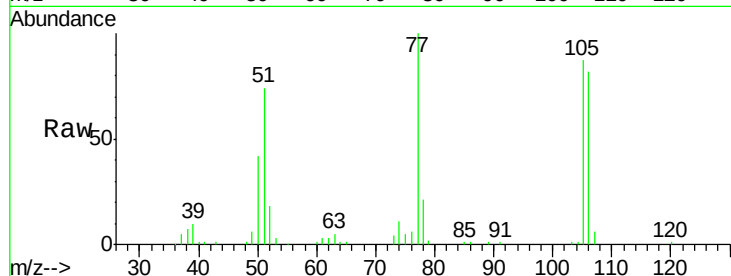
ClientSampleId :

S-A(2)MSD

Tot Ion:	77	Resp:	73257
Ion Ratio	Lower	Upper	
77	100		
105	87.4	71.6	111.6
106	81.6	65.7	105.7

Manual Integrations
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#10

Phenol

Concen: 8.23 ng

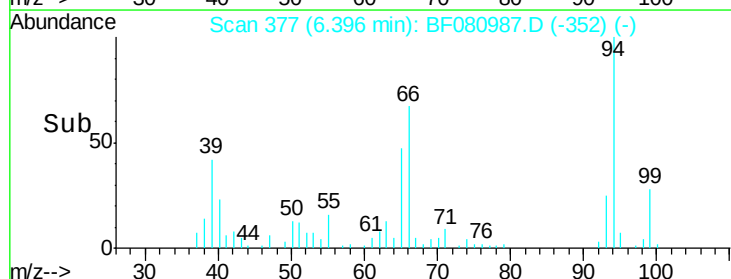
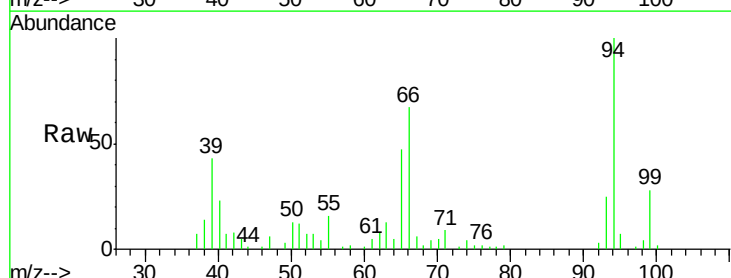
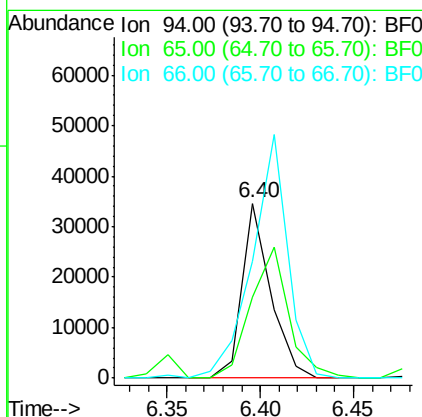
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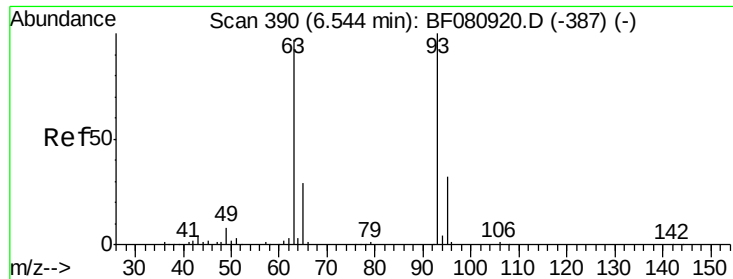
Delta R.T. -0.01 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Tgt Ion:	94	Resp:	36957
Ion Ratio	Lower	Upper	
94	100		
65	46.5	11.8	51.8
66	66.7	22.9	62.9#





#11

bis(2-Chloroethyl)ether

Concen: 21.44 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.01 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Instrument :

BNA_F

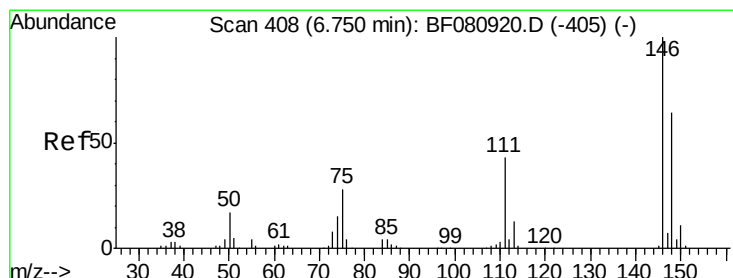
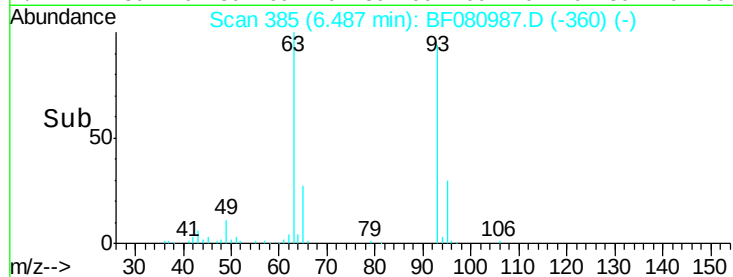
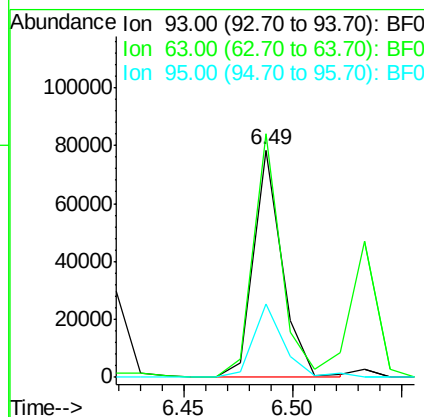
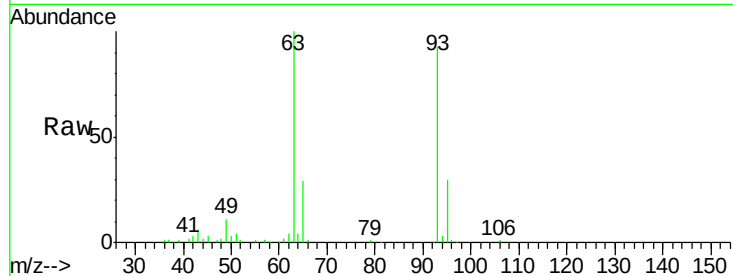
ClientSampleId :

S-A(2)MSD

Tot Ion:	93	Resp:	71851
Ion	Ratio	Lower	Upper
93	100		
63	107.3	76.7	116.7
95	32.3	12.3	52.3

Manual Integrations
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#12

1,3-Dichlorobenzene

Concen: 33.85 ng

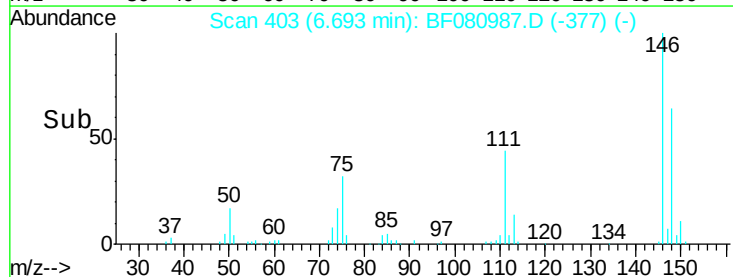
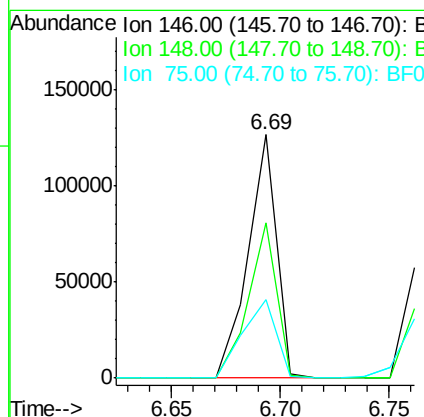
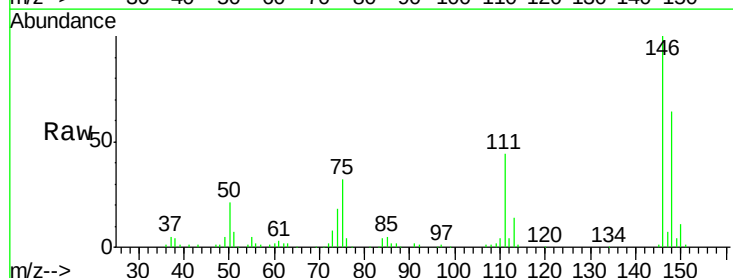
RT: 6.69 min Scan# 403

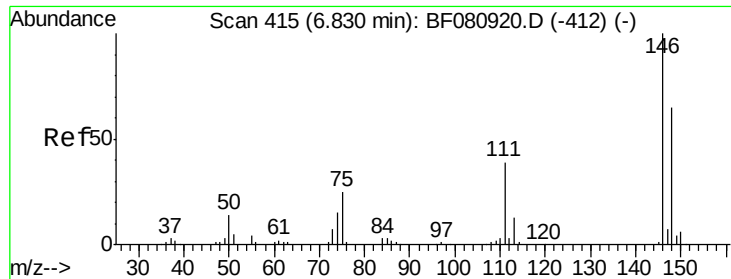
Delta R.T. 0.00 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Tgt Ion:	146	Resp:	114769
Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.4	77.0
75	32.3	22.2	33.4





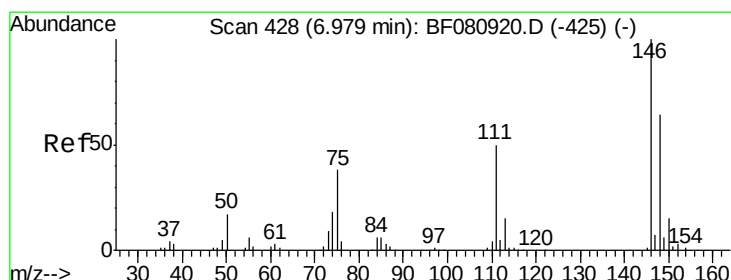
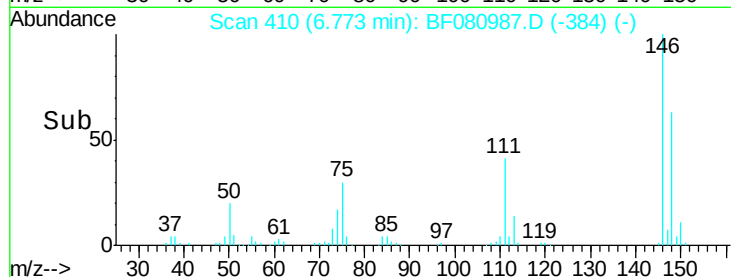
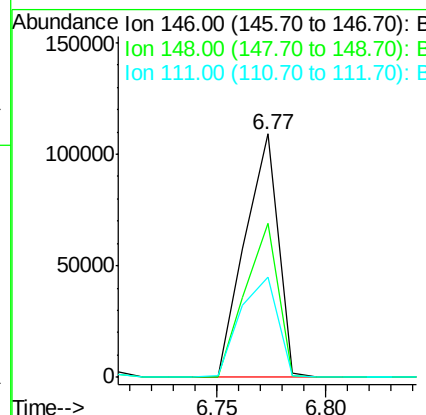
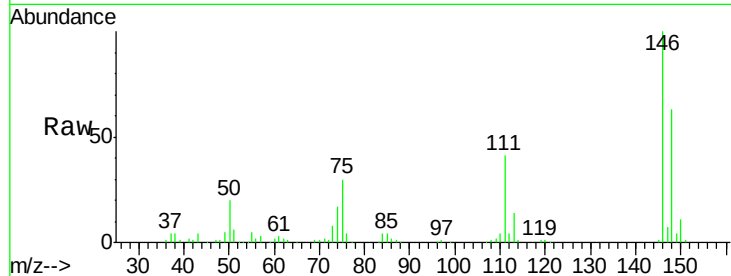
#13
 1,4-Dichlorobenzene
 Concen: 32.87 ng
 RT: 6.77 min Scan# 410
 Delta R.T. 0.00 min
 Lab File: BF080987.D
 Acq: 13 Aug 2015 18:35

Instrument :
 BNA_F
 ClientSampled :
 S-A(2)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.1	52.2	78.4
111	41.4	31.5	47.3

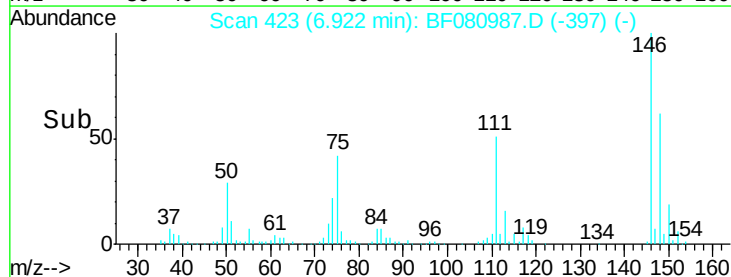
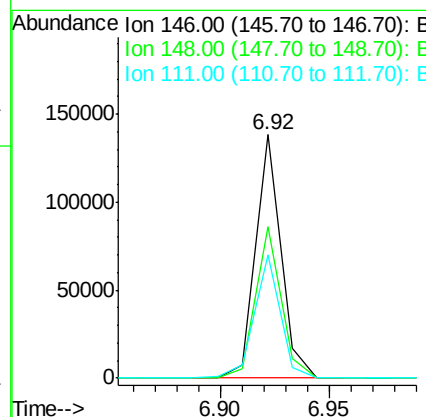
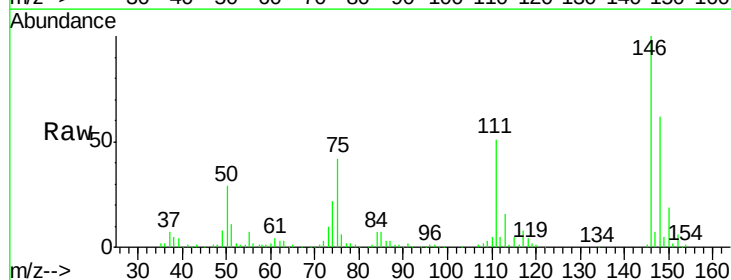
Manual Integrations
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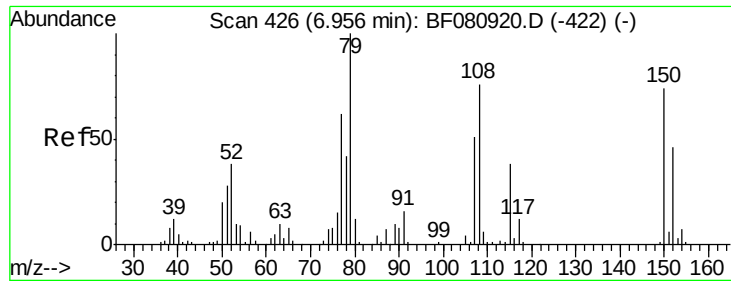
MMDadoda
 8/14/2015 3:09:00 PM



#14
 1,2-Dichlorobenzene
 Concen: 34.98 ng
 RT: 6.92 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: BF080987.D
 Acq: 13 Aug 2015 18:35

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.2	51.1	76.7
111	50.8	40.0	60.0





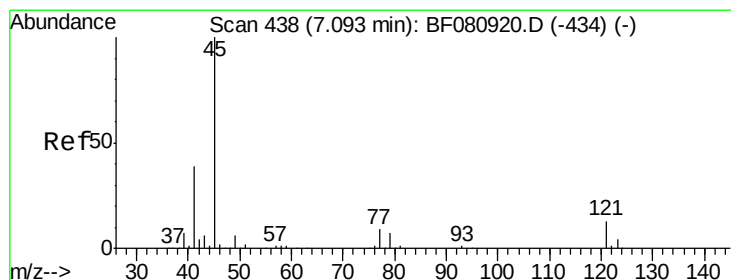
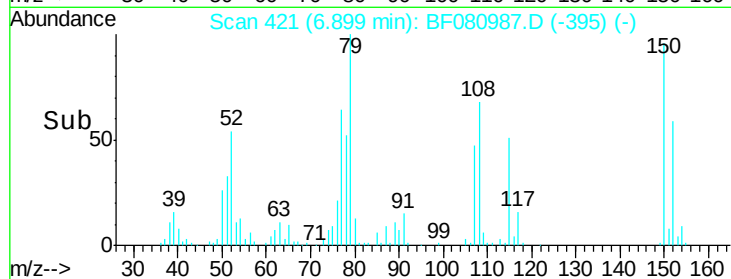
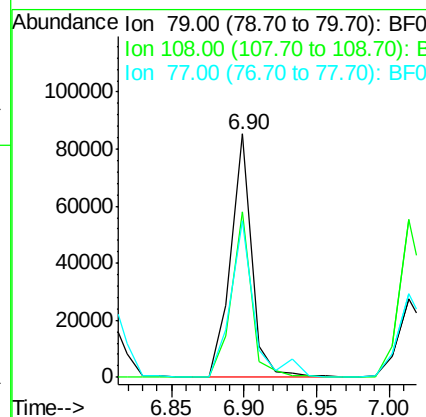
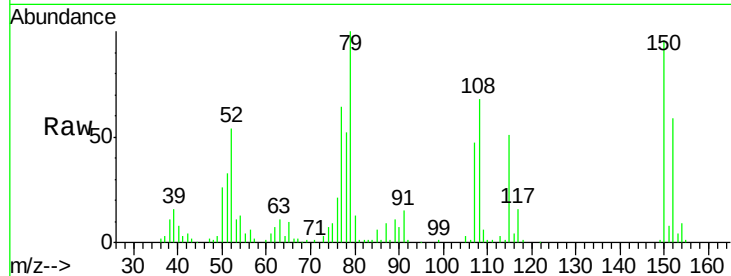
#15
Benzyl Alcohol
Concen: 27.98 ng
RT: 6.90 min Scan# 421
Delta R.T. 0.00 min
Lab File: BF080987.D
Acq: 13 Aug 2015 18:35

Instrument :
BNA_F
ClientSampleId :
S-A(2)MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	68.0	60.9	91.3
77	64.3	49.4	74.0

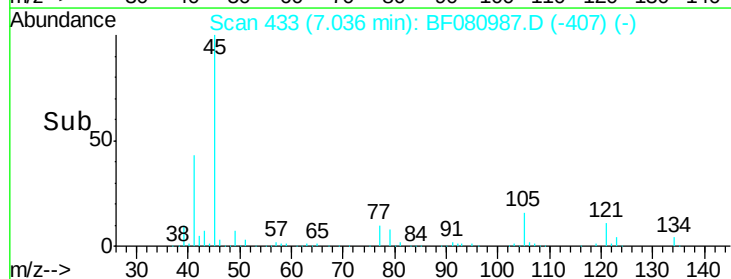
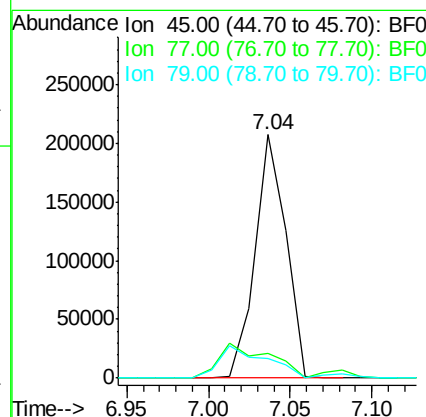
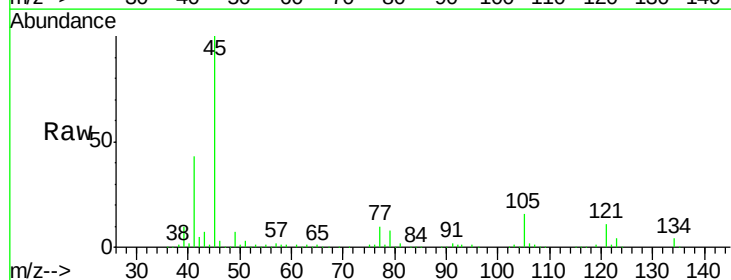
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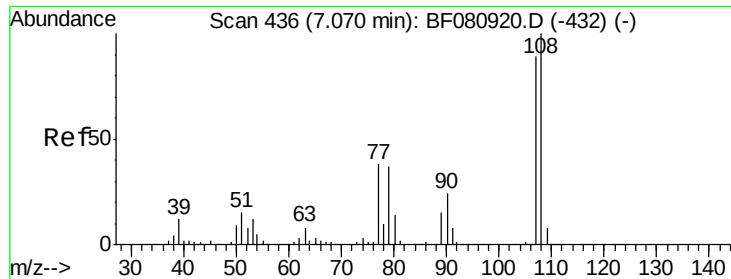
MMDadoda
8/14/2015 3:09:00 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.18 ng
RT: 7.04 min Scan# 433
Delta R.T. 0.00 min
Lab File: BF080987.D
Acq: 13 Aug 2015 18:35

Tgt Ion	Ratio	Lower	Upper
45	100		
77	10.4	0.0	29.6
79	8.0	0.0	27.7





#17

2-Methylphenol

Concen: 22.21 ng

RT: 7.01 min Scan# 431

Delta R.T. 0.00 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Instrument :

BNA_F

ClientSampleId :

S-A(2)MSD

Tot Ion:107 Resp: 60574

Ion Ratio Lower Upper

107 100

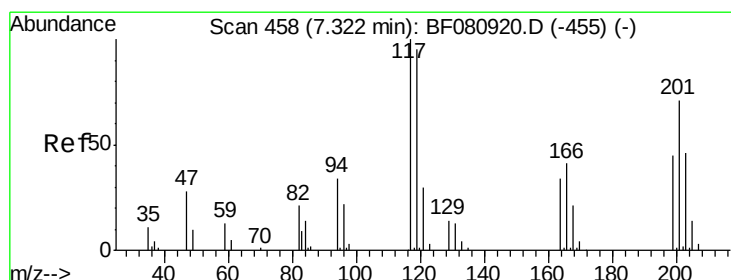
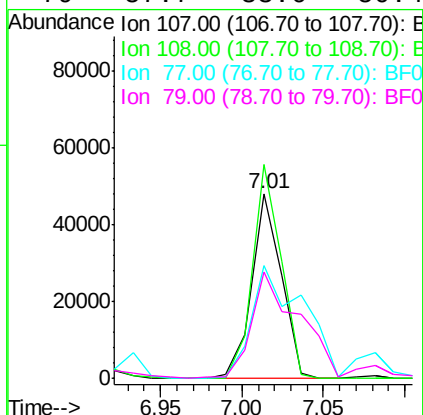
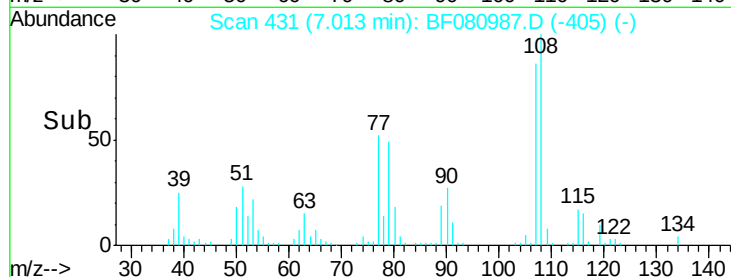
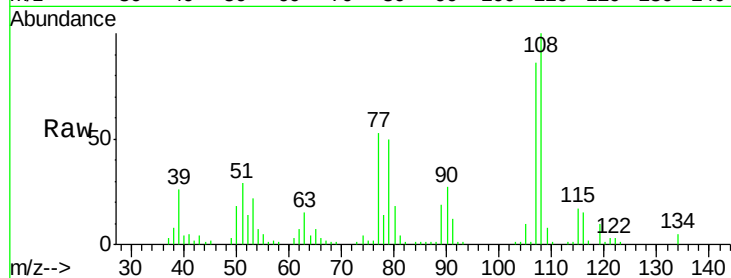
108 115.7 90.3 135.5

77 61.0 34.6 51.8#

79 57.7 33.6 50.4#

Manual Integrations
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#18

Hexachloroethane

Concen: 61.75 ng

RT: 7.26 min Scan# 453

Delta R.T. 0.00 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

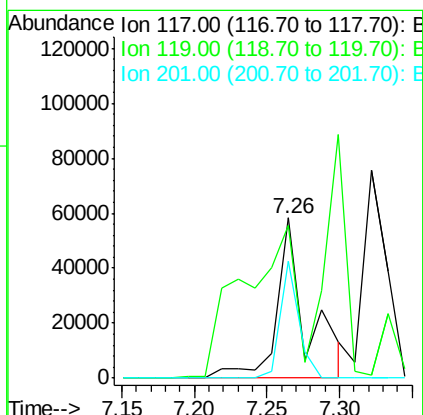
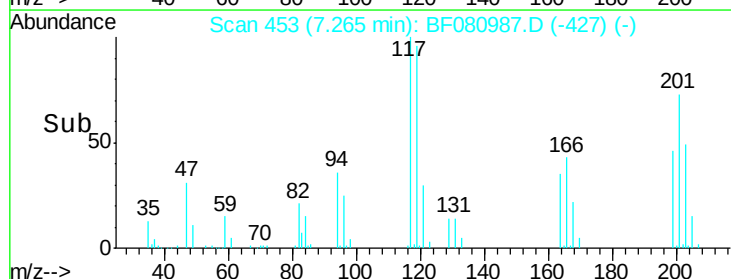
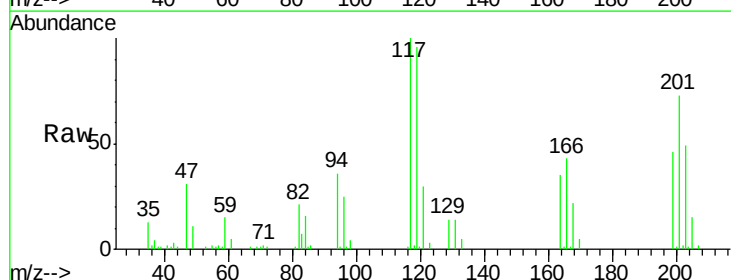
Tgt Ion:117 Resp: 83350

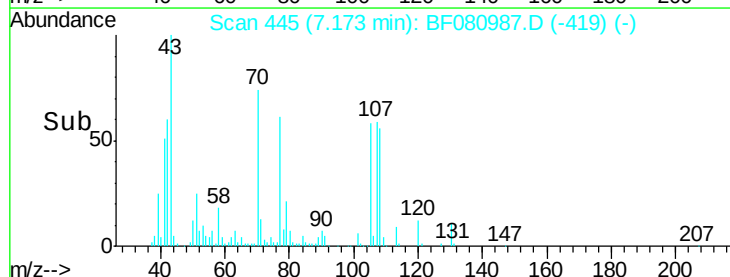
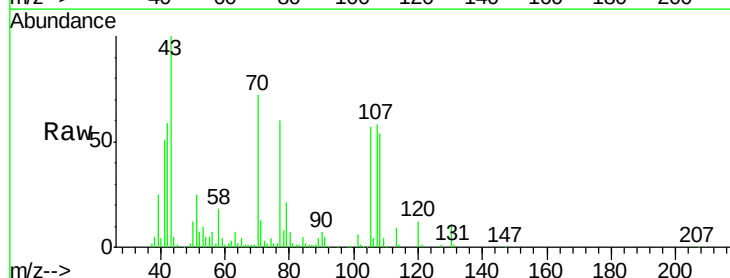
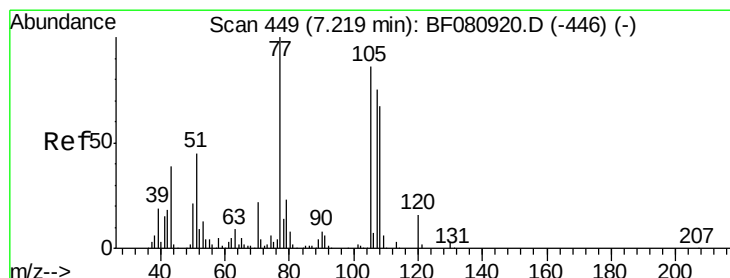
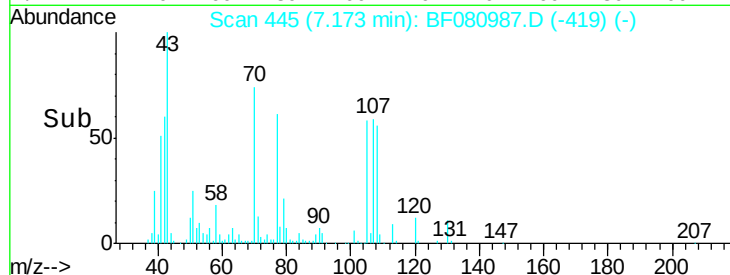
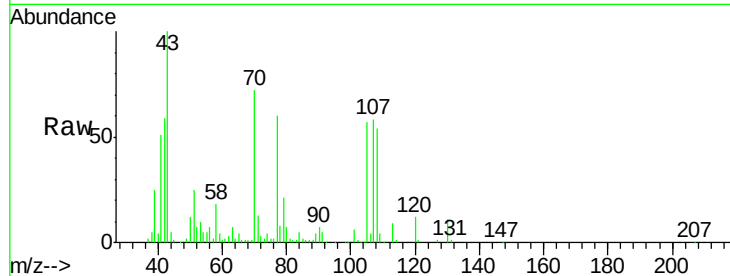
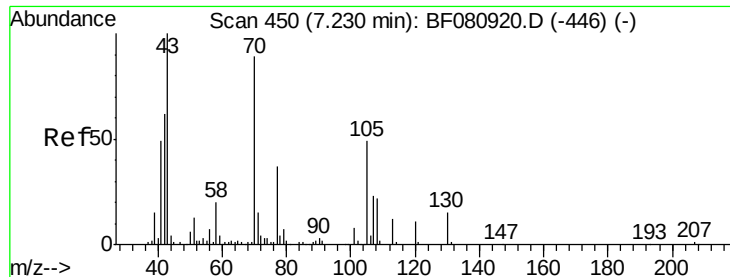
Ion Ratio Lower Upper

117 100

119 95.5 76.3 114.5

201 72.6 57.0 85.6





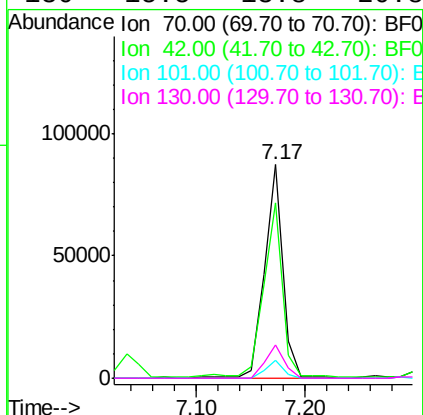
#19
n-Nitroso-di-n-propylamine
Concen: 37.44 ng
RT: 7.17 min Scan# 445
Delta R.T. 0.00 min
Lab File: BF080987.D
Acq: 13 Aug 2015 18:35

Instrument :
BNA_F
ClientSampleId :
S-A(2)MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	82.0	55.7	83.5
101	8.4	7.0	10.6
130	15.5	13.8	20.8

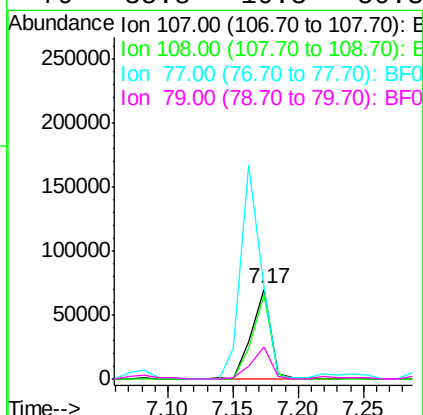
Manual Integrations
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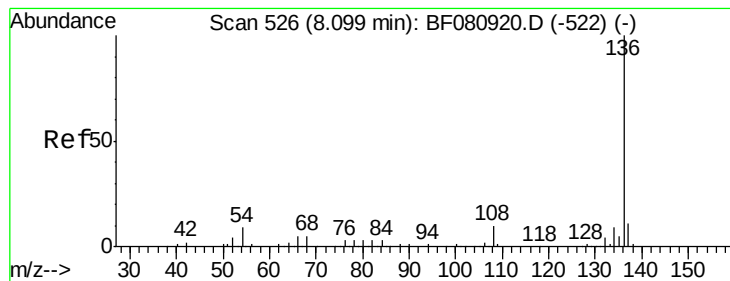
MMDadoda
8/14/2015 3:09:00 PM



#20
3+4-Methylphenols
Concen: 21.32 ng
RT: 7.17 min Scan# 445
Delta R.T. 0.00 min
Lab File: BF080987.D
Acq: 13 Aug 2015 18:35

Tgt Ion	Ratio	Lower	Upper
107	100		
108	93.8	69.2	109.2
77	102.7	113.0	153.0#
79	35.8	10.3	50.3





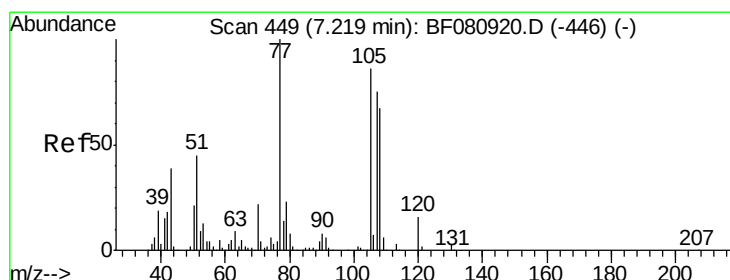
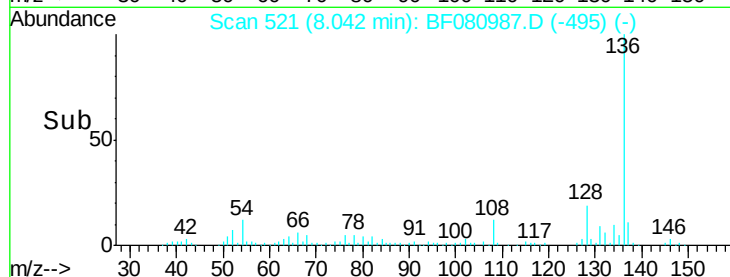
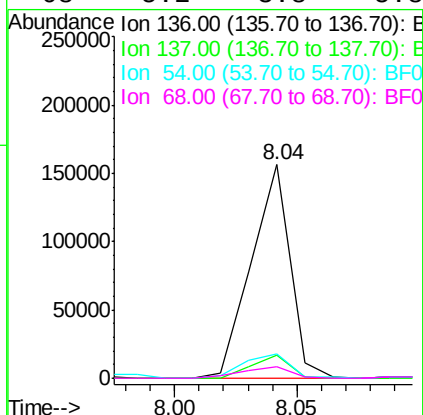
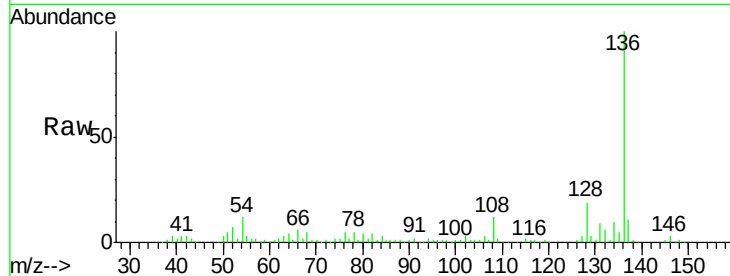
#21
Naphthalene-d8
Concen: 20.00 ng/mL
RT: 8.04 min Scan# 521
Delta R.T. 0.00 min
Lab File: BF080987.D
Acq: 13 Aug 2015 18:35

Instrument :
BNA_F
ClientSampleId :
S-A(2)MSD

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.1	8.5	12.7
54	11.7	7.1	10.7
68	5.2	3.8	5.8

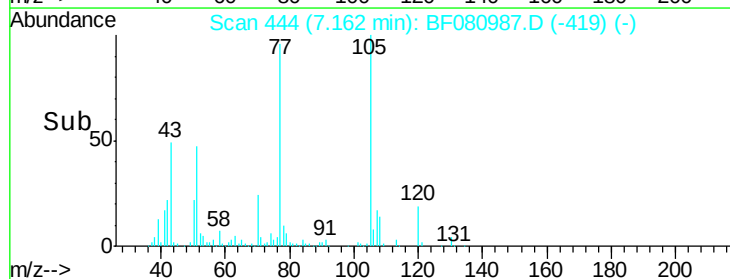
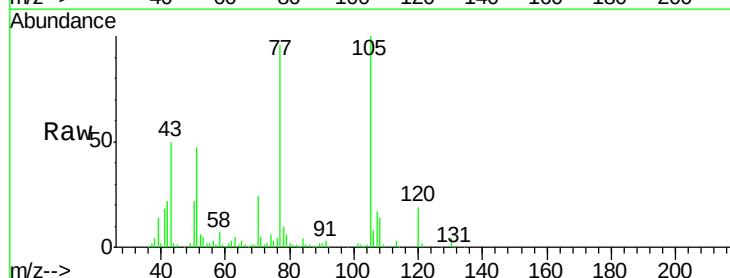
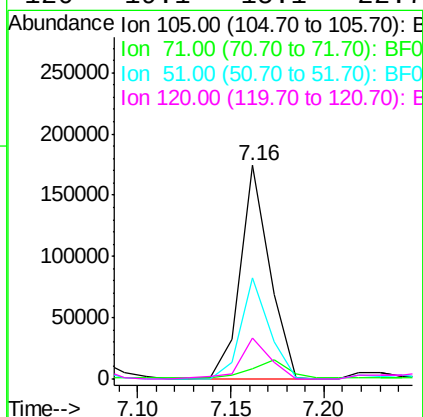
Manual Integrations
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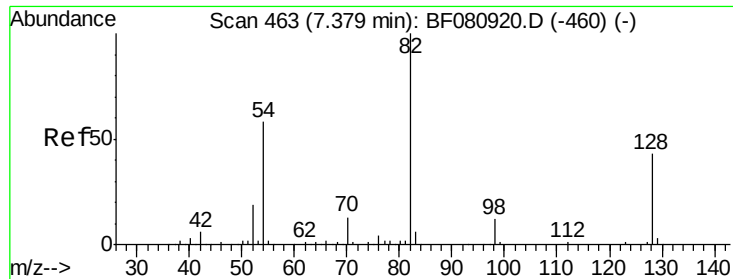
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#22
Acetophenone
Concen: 45.32 ng/mL
RT: 7.16 min Scan# 444
Delta R.T. -0.01 min
Lab File: BF080987.D
Acq: 13 Aug 2015 18:35

Tgt Ion	Ratio	Resp Lower	Upper
105	100		
71	4.8	3.3	4.9
51	47.1	41.8	62.6
120	19.1	15.1	22.7





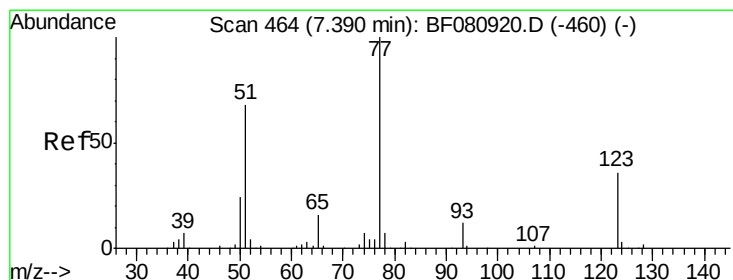
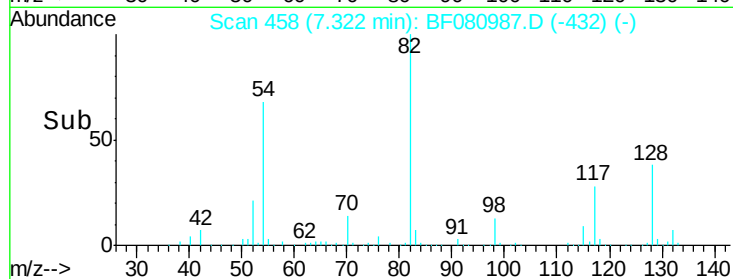
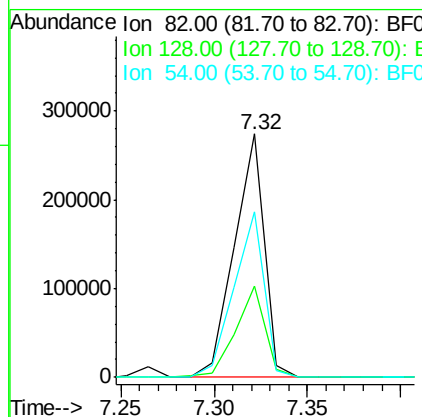
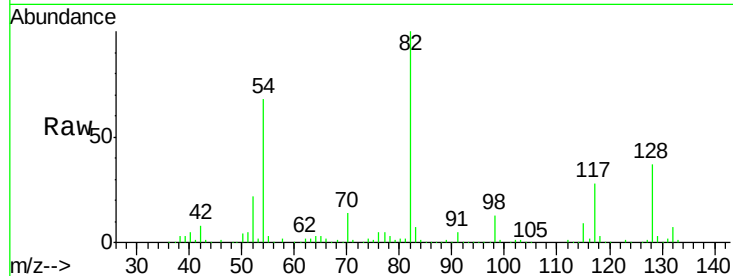
#23
 Nitrobenzene-d5
 Concen: 84.85 ng
 RT: 7.32 min Scan# 458
 Delta R.T. 0.00 min
 Lab File: BF080987.D
 Acq: 13 Aug 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 S-A(2)MSD

Tot Ion:	82	Resp:	307994
Ion Ratio	Lower	Upper	
82	100		
128	37.5	34.1	51.1
54	68.2	46.5	69.7

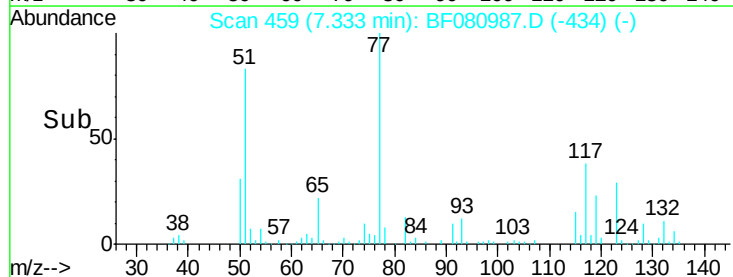
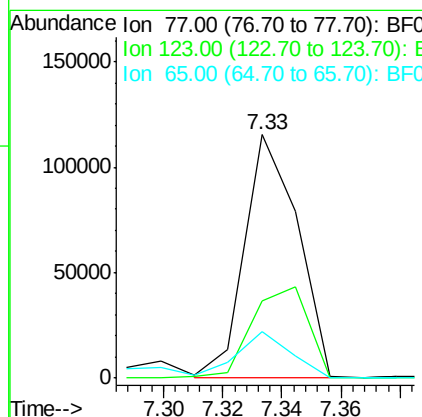
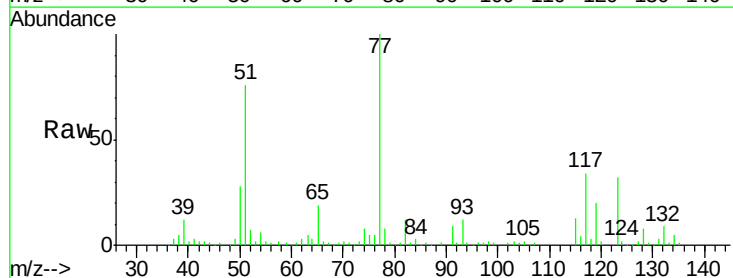
Manual Integrations
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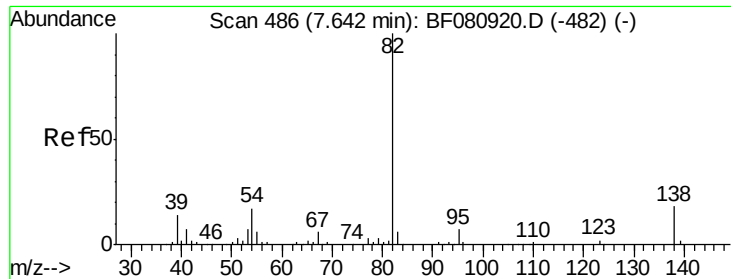
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 8/14/2015 3:09:00 PM



#24
 Nitrobenzene
 Concen: 38.26 ng m
 RT: 7.33 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: BF080987.D
 Acq: 13 Aug 2015 18:35

Tgt Ion:	77	Resp:	142989
Ion Ratio	Lower	Upper	
77	100		
123	31.7	28.7	43.1
65	19.1	12.5	18.7#





#25

Isophorone

Concen: 39.13 ng

RT: 7.58 min Scan# 481

Delta R.T. 0.00 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Instrument :

BNA_F

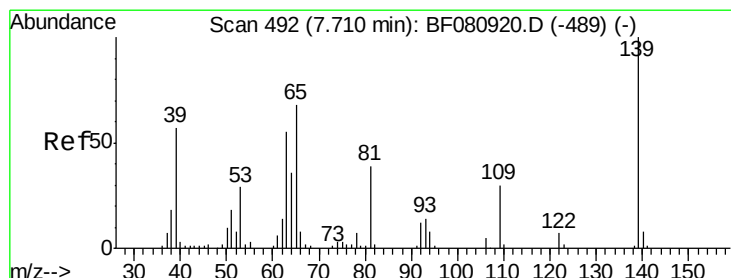
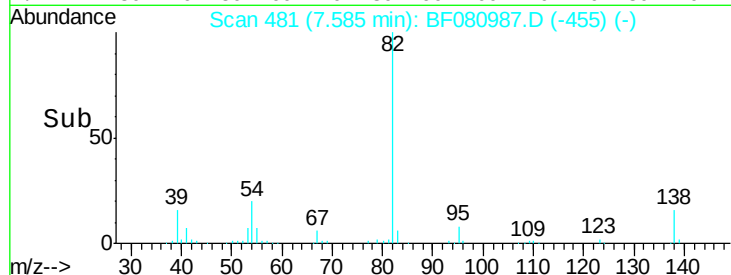
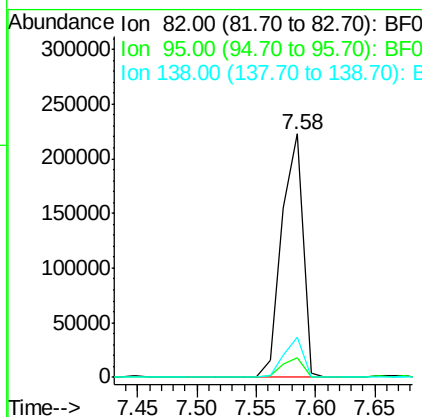
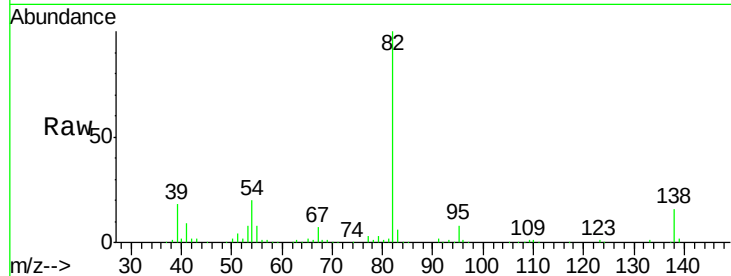
ClientSampleId :

S-A(2)MSD

Tot Ion	82	Resp	273159
Ion Ratio	Lower	Upper	
82	100		
95	8.0	5.8	8.6
138	16.4	14.1	21.1

Manual Integrations
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#26

2-Nitrophenol

Concen: 32.94 ng m

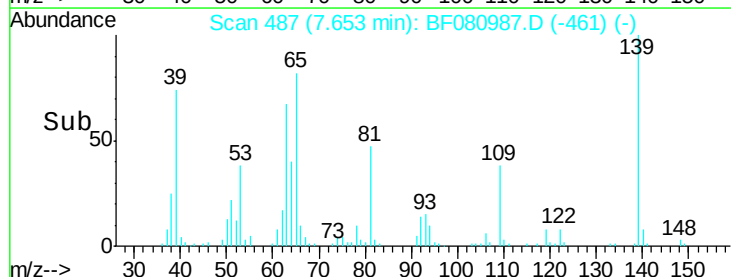
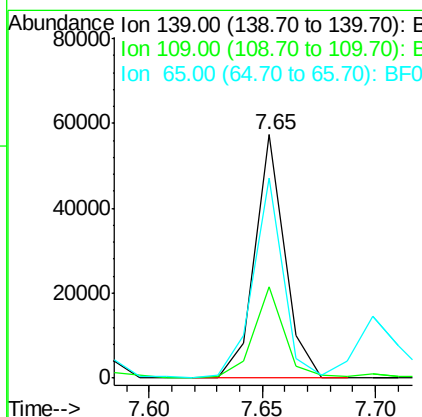
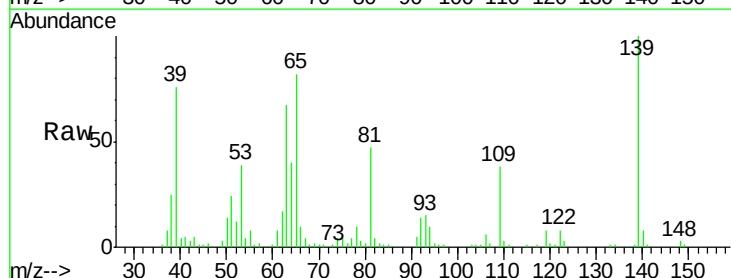
RT: 7.65 min Scan# 487

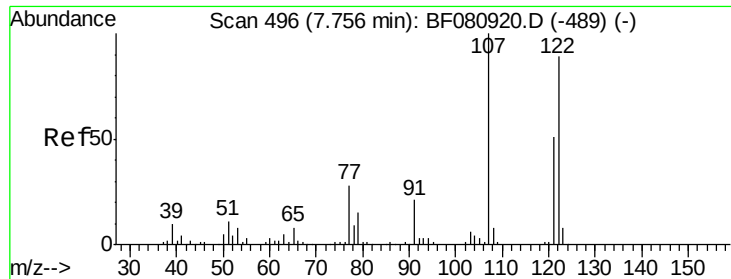
Delta R.T. 0.00 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Tgt Ion	139	Resp	51802
Ion Ratio	Lower	Upper	
139	100		
109	37.6	24.1	36.1#
65	82.0	54.0	81.0#





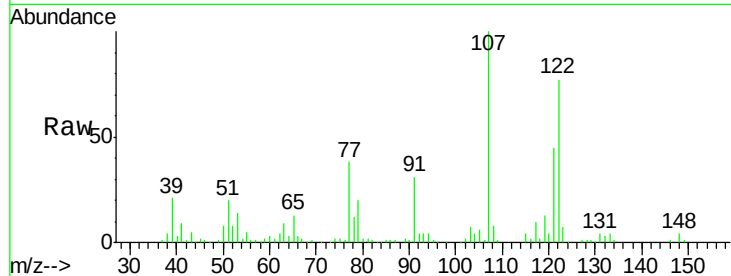
#27
 2,4-Dimethylphenol
 Concen: 30.93 ng
 RT: 7.70 min Scan# 491
 Delta R.T. 0.00 min
 Lab File: BF080987.D
 Acq: 13 Aug 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 S-A(2)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		91060		
107	130.4	90.2	135.4		
121	59.1	46.0	69.0		

Manual Integrations
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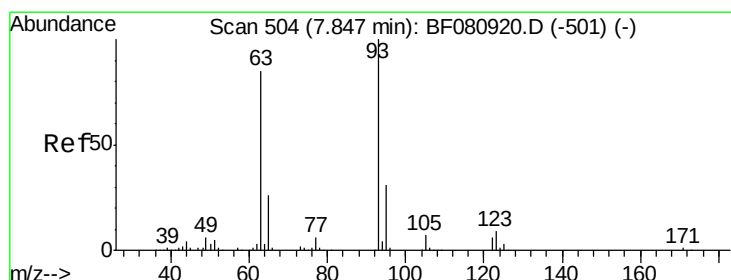
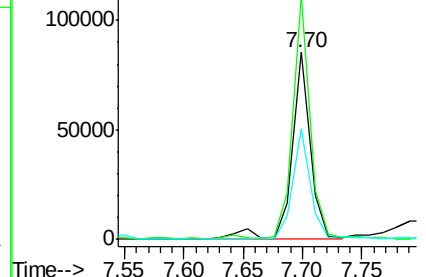
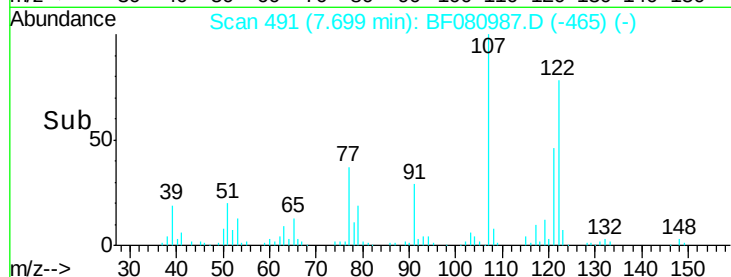


Abundance

Ion 122.00 (121.70 to 122.70): E

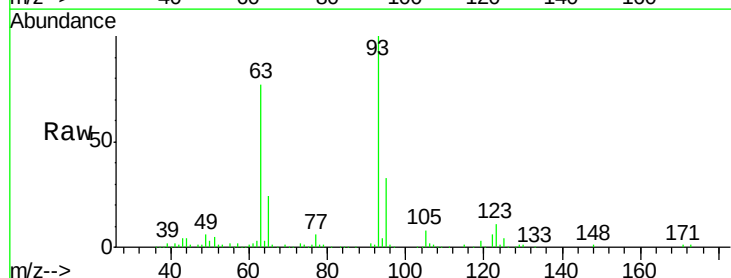
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
 bis(2-Chloroethoxy)methane
 Concen: 40.28 ng
 RT: 7.80 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: BF080987.D
 Acq: 13 Aug 2015 18:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		168798		
95	32.7	25.0	37.4		
123	10.6	7.4	11.0		

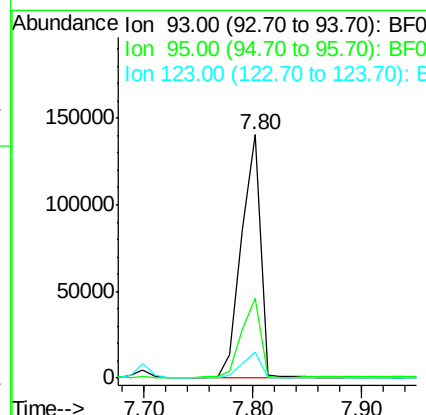
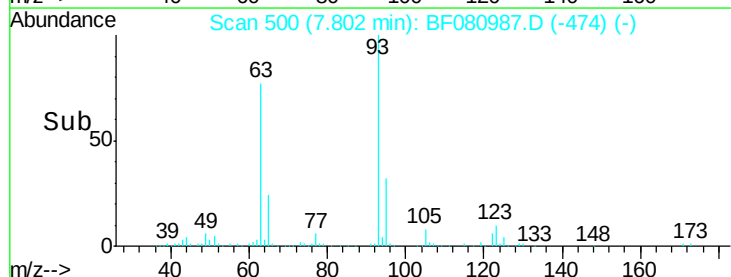


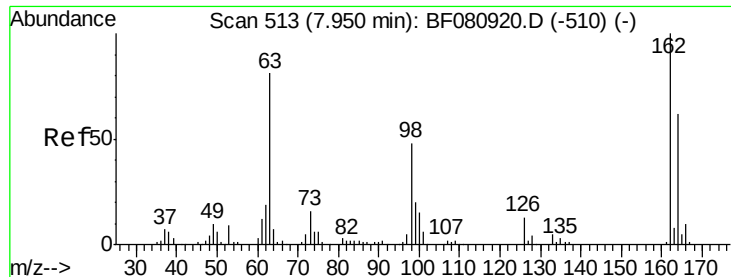
Abundance

Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





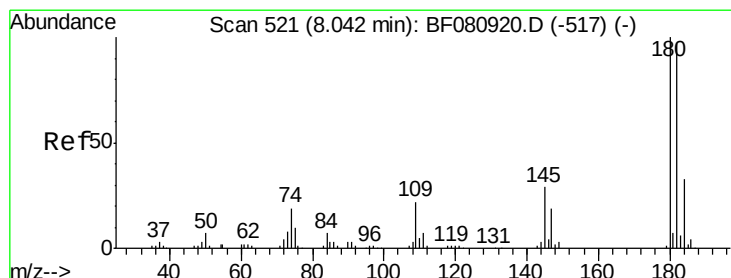
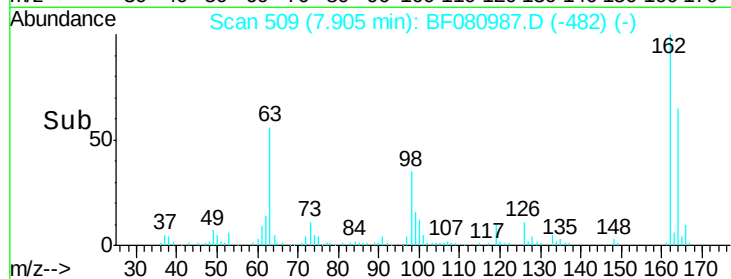
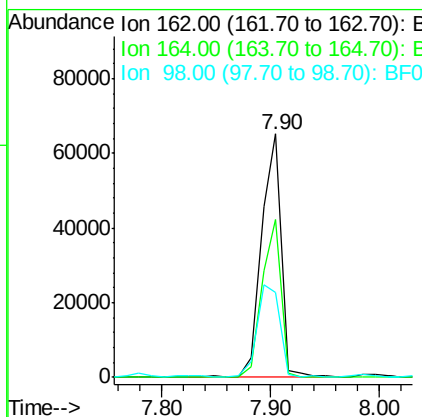
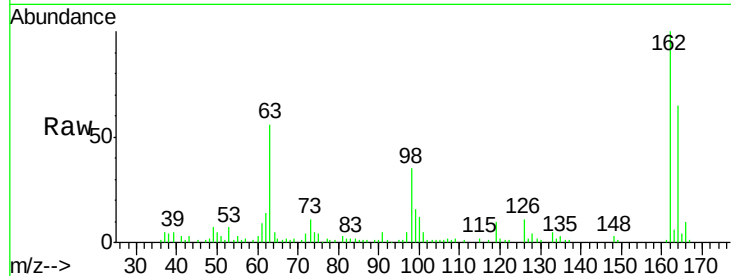
#29
 2,4-Dichlorophenol
 Concen: 34.06 ng
 RT: 7.90 min Scan# 509
 Delta R.T. 0.01 min
 Lab File: BF080987.D
 Acq: 13 Aug 2015 18:35

Instrument :
 BNA_F
 ClientSampled :
 S-A(2)MSD

Tot Ion:	162	Resp:	82389
Ion Ratio	Lower	Upper	
162	100		
164	64.7	42.3	82.3
98	35.1	27.7	67.7

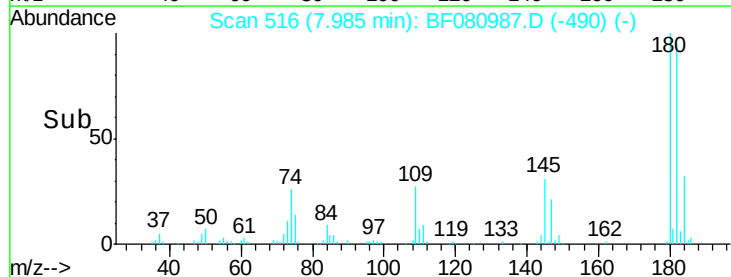
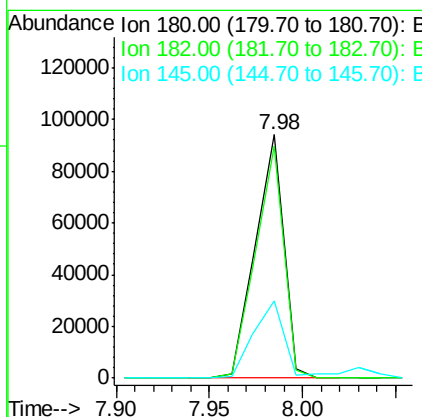
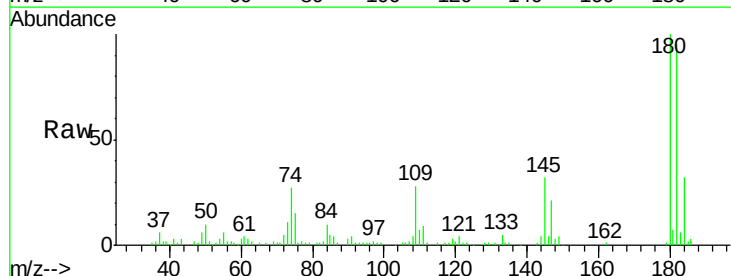
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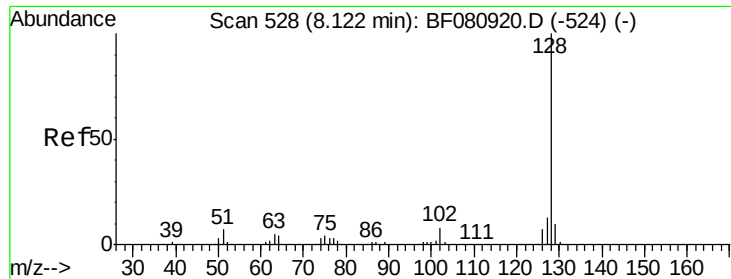
MMDadoda
 8/14/2015 3:09:00 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 37.49 ng
 RT: 7.98 min Scan# 516
 Delta R.T. 0.00 min
 Lab File: BF080987.D
 Acq: 13 Aug 2015 18:35

Tgt Ion:	180	Resp:	99133
Ion Ratio	Lower	Upper	
180	100		
182	95.4	77.4	116.0
145	31.8	23.2	34.8





#31

Naphthalene

Concen: 104.21 ng

RT: 8.06 min Scan# 523

Delta R.T. 0.00 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Instrument :

BNA_F

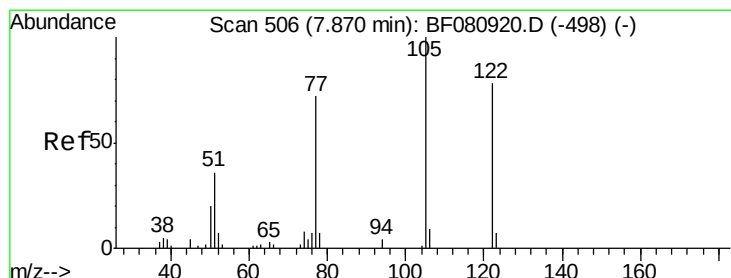
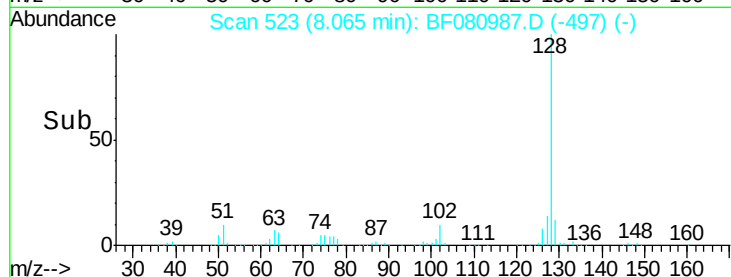
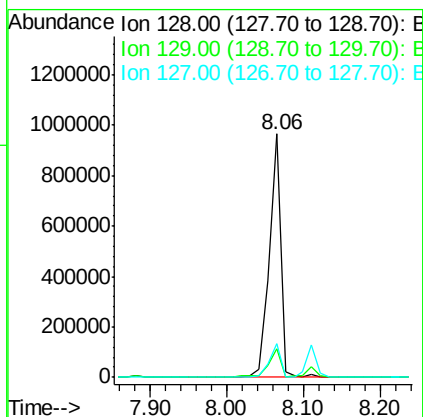
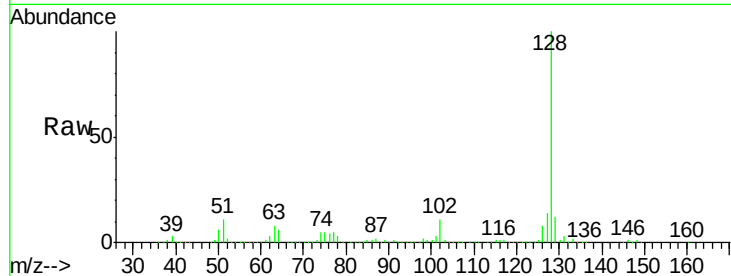
ClientSampleId :

S-A(2)MSD

Tot Ion:	128	Resp:	986206
Ion Ratio	Lower	Upper	
128	100		
129	12.0	8.4	12.6
127	13.8	10.5	15.7

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#32

Benzoic acid

Concen: 13.76 ng

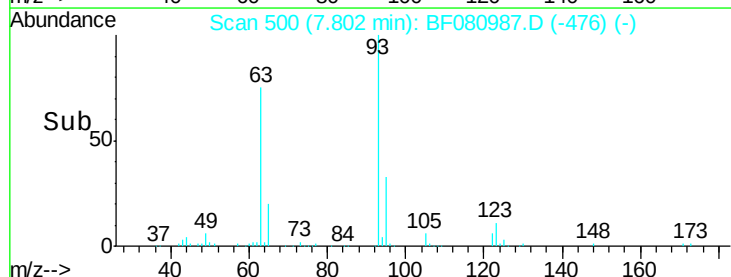
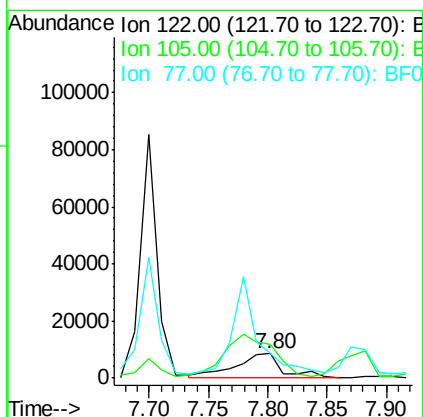
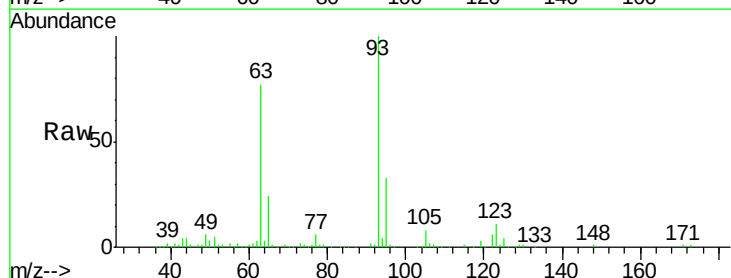
RT: 7.80 min Scan# 500

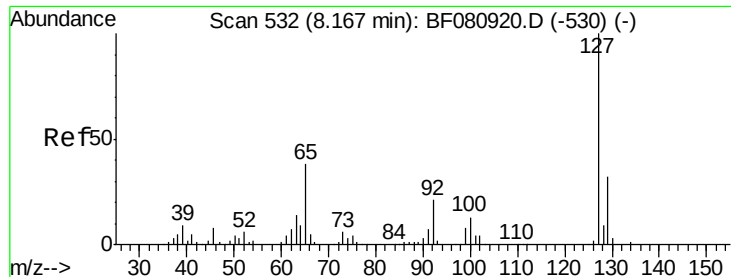
Delta R.T. -0.02 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Tgt Ion:	122	Resp:	24245
Ion Ratio	Lower	Upper	
122	100		
105	138.6	103.6	143.6
77	102.5	70.4	110.4





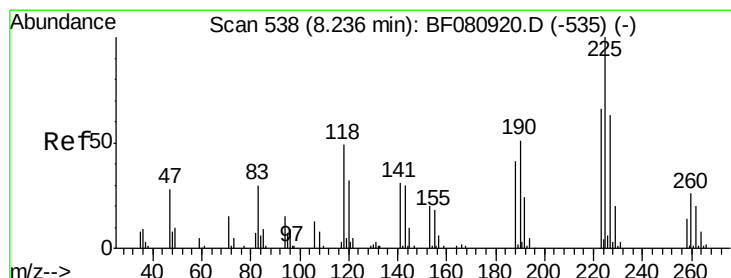
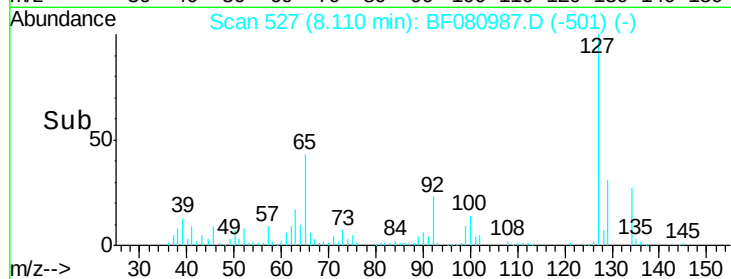
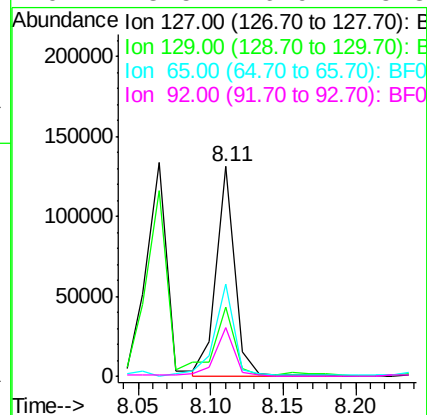
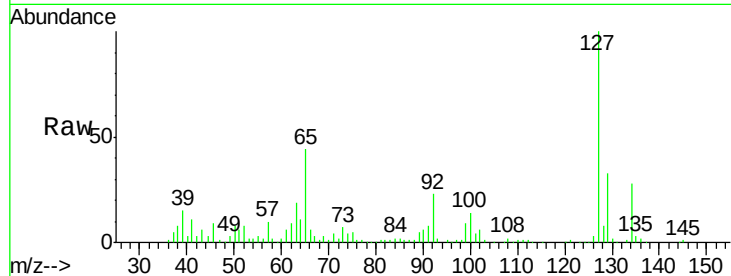
#33
4-Chloroaniline
Concen: 30.16 ng
RT: 8.11 min Scan# 527
Delta R.T. 0.00 min
Lab File: BF080987.D
Acq: 13 Aug 2015 18:35

Instrument :
BNA_F
ClientSampleId :
S-A(2)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.9	25.9	38.9		
65	43.9	30.6	45.8		
92	23.5	16.9	25.3		

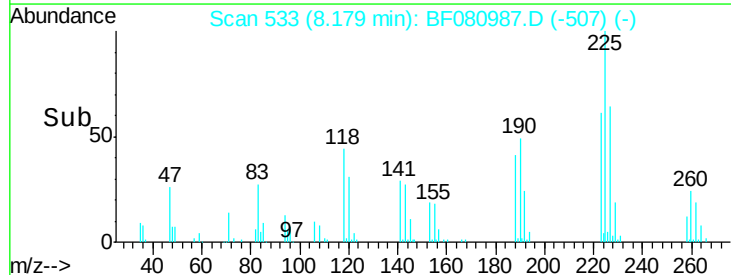
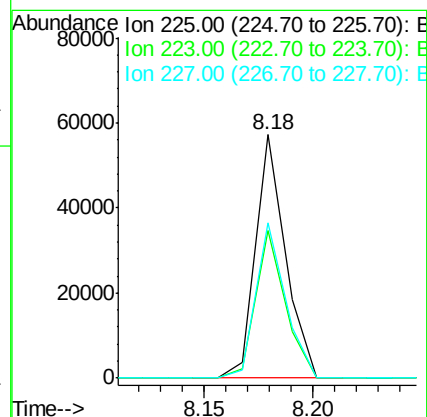
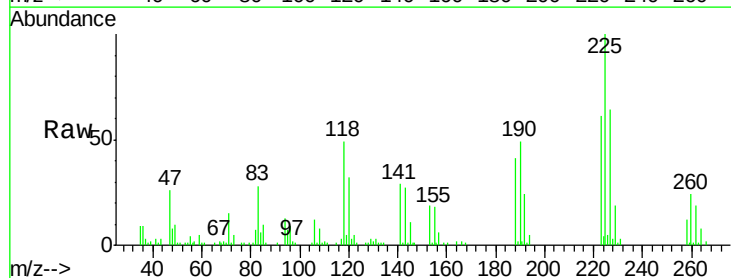
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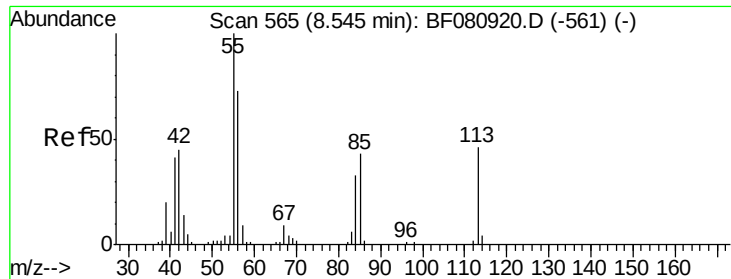
MMDadoda
8/14/2015 3:09:00 PM



#34
Hexachlorobutadiene
Concen: 34.63 ng
RT: 8.18 min Scan# 533
Delta R.T. 0.00 min
Lab File: BF080987.D
Acq: 13 Aug 2015 18:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	60.8	52.5	78.7		
227	63.7	50.3	75.5		





#35

Caprolactam

Concen: 7.71 ng

RT: 8.50 min Scan# 561

Delta R.T. 0.00 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Instrument :

BNA_F

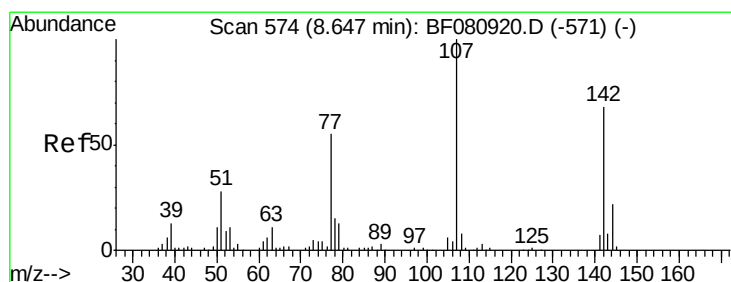
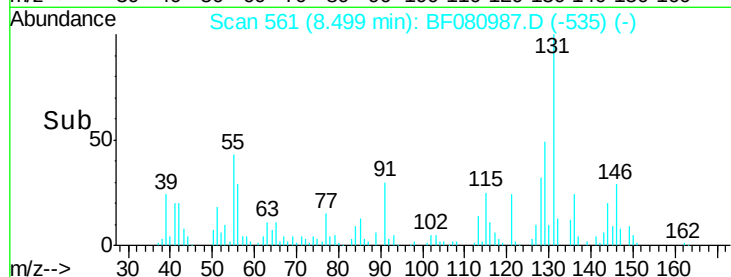
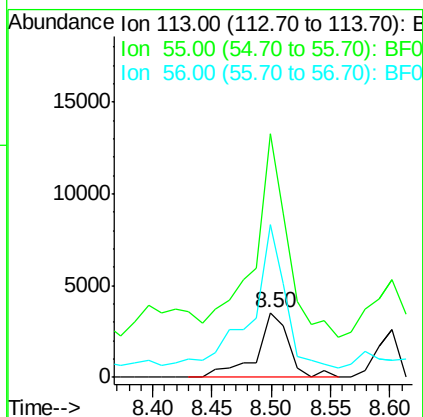
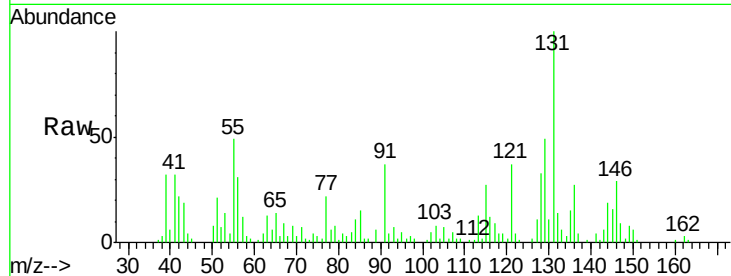
ClientSampleId :

S-A(2)MSD

Tot Ion:	113	Resp:	6709
Ion Ratio	Lower	Upper	
113	100		
55	375.3	196.4	236.4#
56	235.7	137.9	177.9#

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8/14/2015 3:09:00 PM



#36

4-Chloro-3-methylphenol

Concen: 30.84 ng

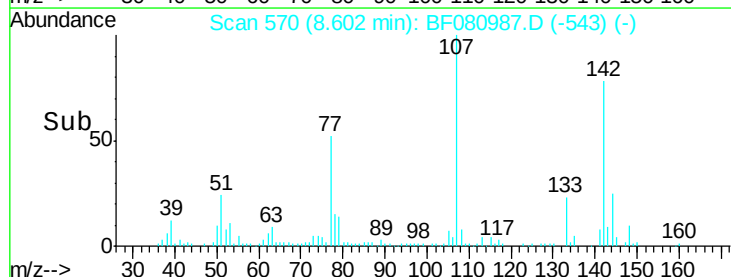
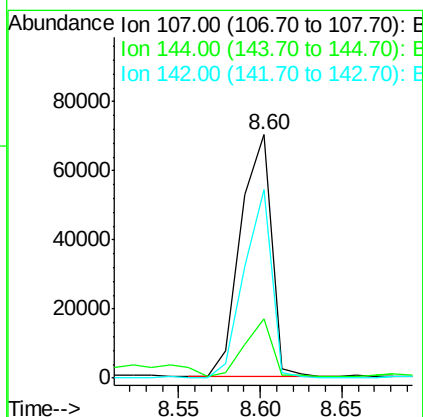
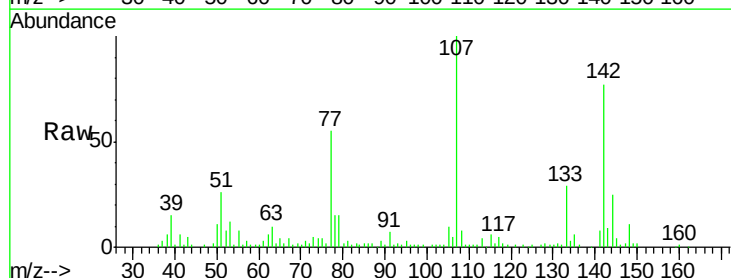
RT: 8.60 min Scan# 570

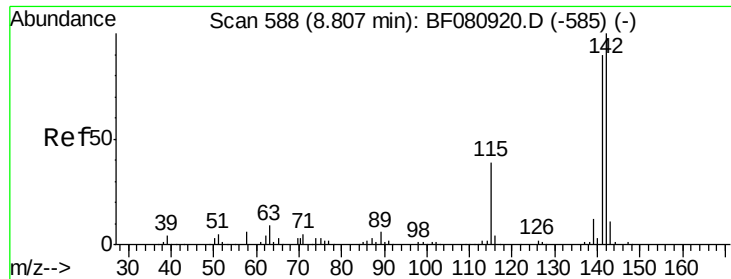
Delta R.T. 0.01 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Tgt Ion:	107	Resp:	91037
Ion Ratio	Lower	Upper	
107	100		
144	24.6	17.3	25.9
142	77.2	54.4	81.6





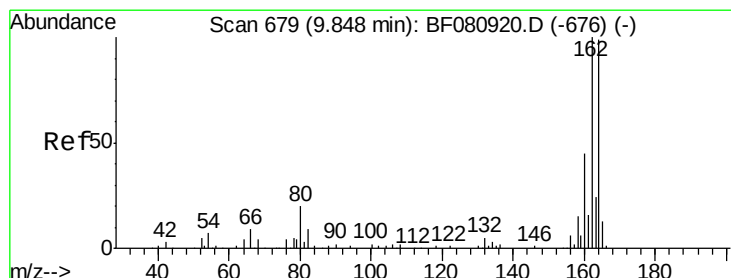
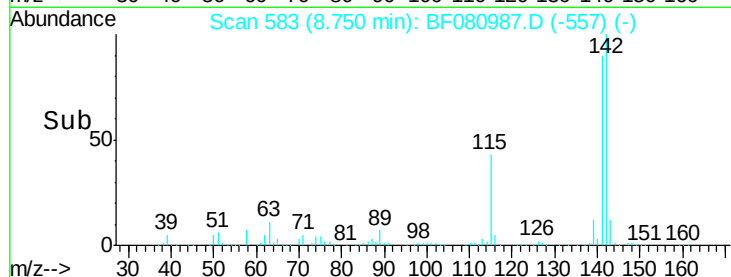
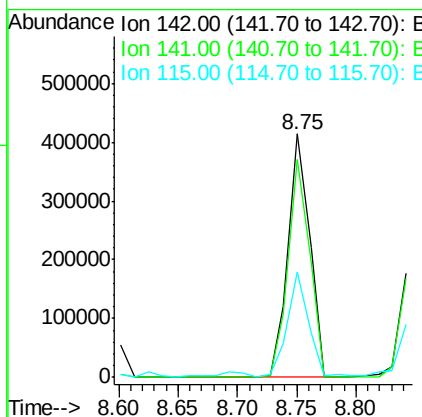
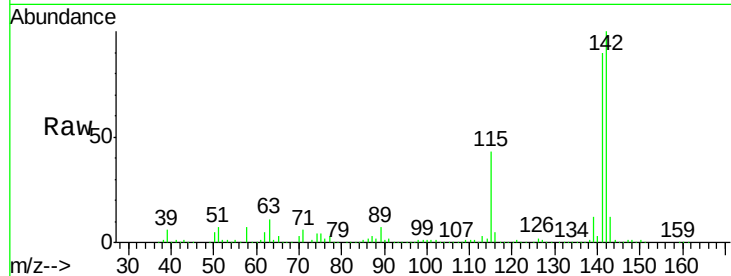
#37
2-Methylnaphthalene
Concen: 86.83 ng
RT: 8.75 min Scan# 583
Delta R.T. 0.00 min
Lab File: BF080987.D
Acq: 13 Aug 2015 18:35

Instrument :
BNA_F
ClientSampleId :
S-A(2)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.7	107.5
115	43.2	30.9	46.3

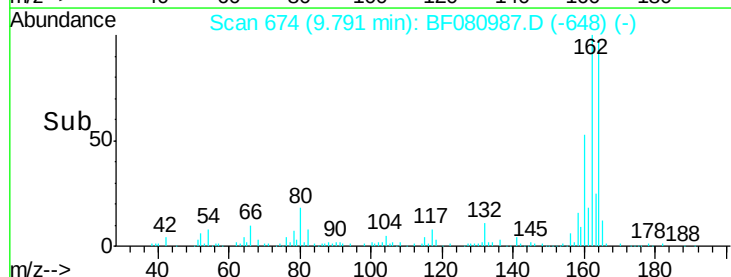
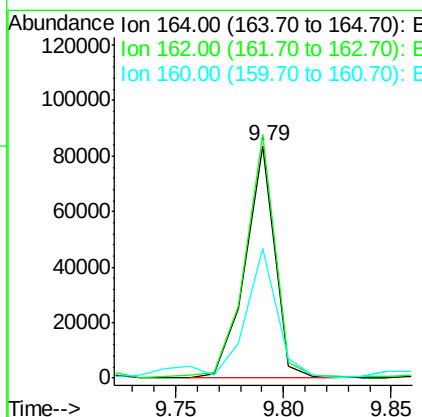
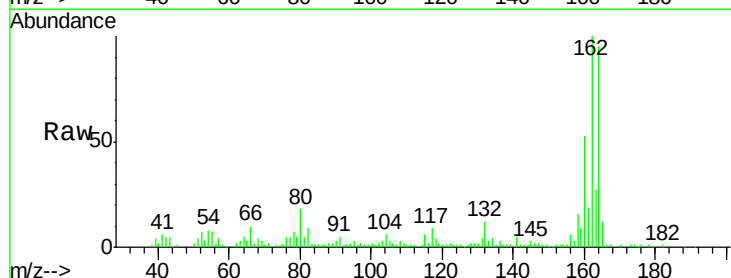
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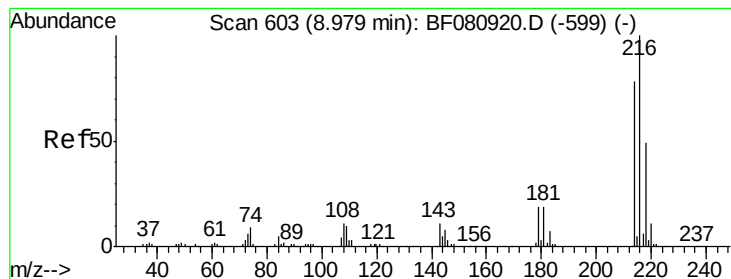
MMDadoda
8/14/2015 3:09:00 PM



#38
Acenaphthene-d10
Concen: 20.00 ng m
RT: 9.79 min Scan# 674
Delta R.T. 0.00 min
Lab File: BF080987.D
Acq: 13 Aug 2015 18:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	80.5	120.7
160	55.6	36.6	54.8#





#39

1,2,4,5-Tetrachlorobenzene

Concen: 38.62 ng

RT: 8.92 min Scan# 598

Delta R.T. 0.00 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Instrument :

BNA_F

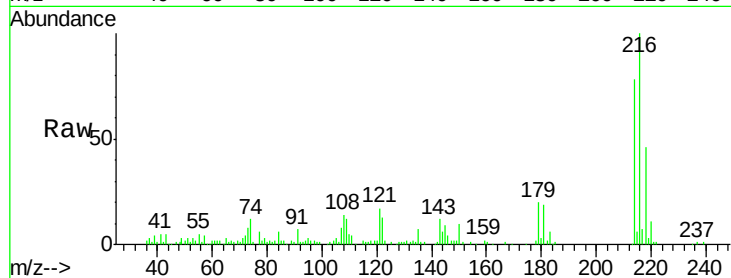
ClientSampleId :

S-A(2)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100				
214	79.2	63.0	94.4		
179	22.3	17.2	25.8		
108	25.4	16.1	24.1		

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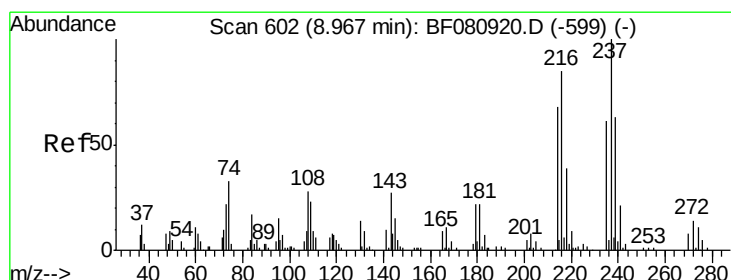
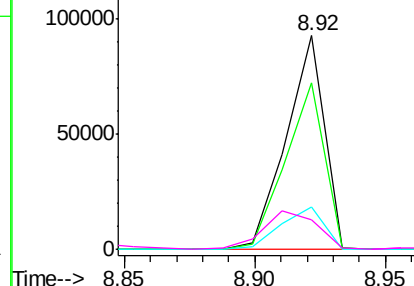
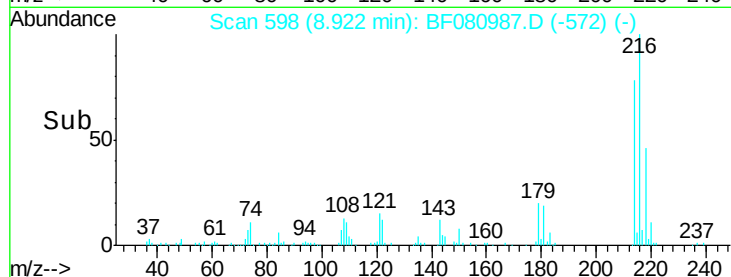


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 78.72 ng

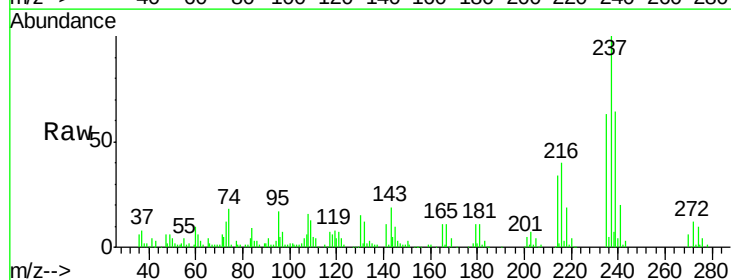
RT: 8.91 min Scan# 597

Delta R.T. 0.00 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

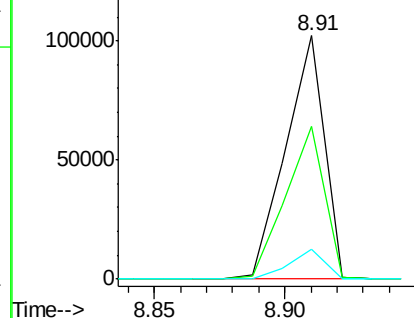
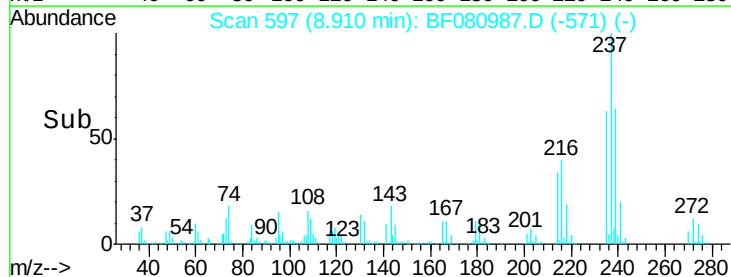
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100				
235	63.0	41.3	81.3		
272	12.2	0.0	33.6		

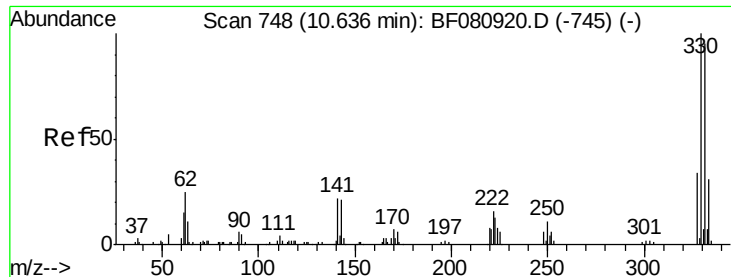


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





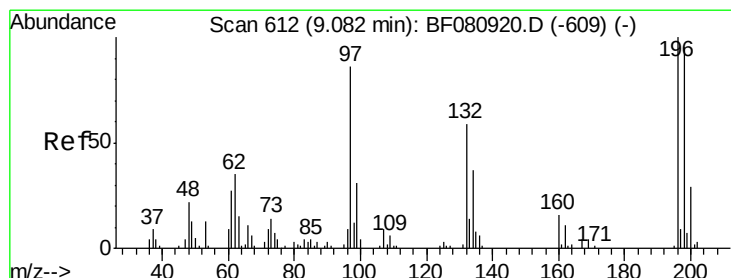
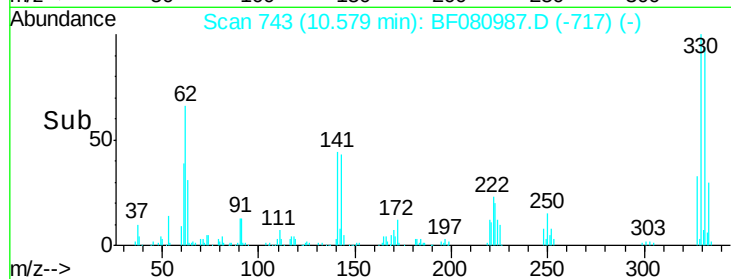
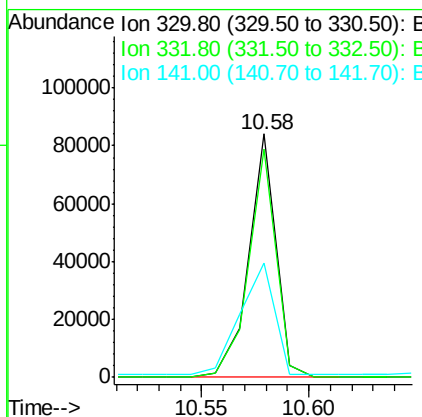
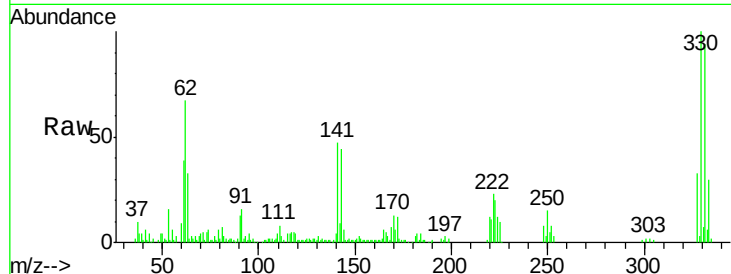
#41
 2,4,6-Tribromophenol
 Concen: 84.17 ng m
 RT: 10.58 min Scan# 743
 Delta R.T. 0.00 min
 Lab File: BF080987.D
 Acq: 13 Aug 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 S-A(2)MSD

Tot Ion	Ratio	Lower	Upper
330	100		
332	0.0	76.2	114.4#
141	0.0	27.8	41.8#

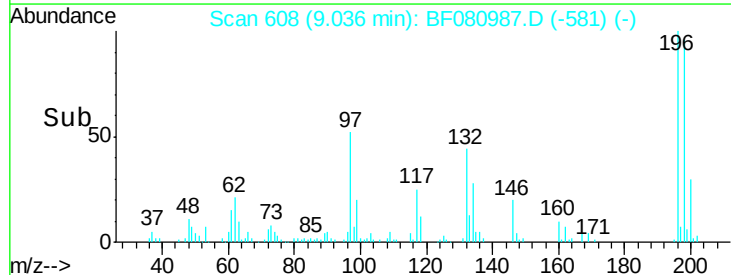
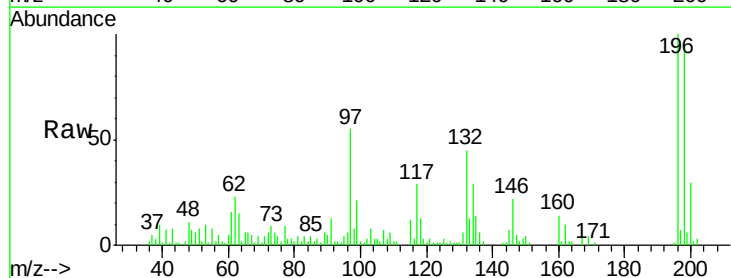
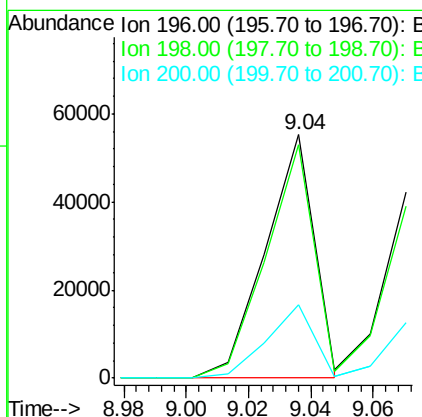
Manual Integrations
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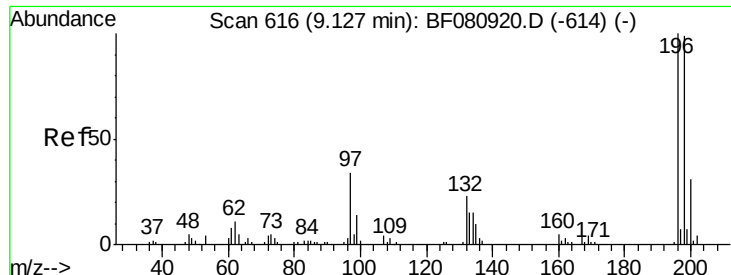
MMDadoda
 8/14/2015 3:09:00 PM



#42
 2,4,6-Trichlorophenol
 Concen: 33.92 ng m
 RT: 9.04 min Scan# 608
 Delta R.T. 0.01 min
 Lab File: BF080987.D
 Acq: 13 Aug 2015 18:35

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.8	75.9	113.9
200	30.1	23.1	34.7





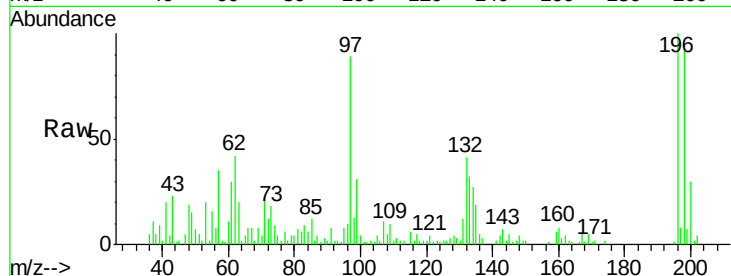
#43
 2,4,5-Trichlorophenol
 Concen: 33.13 ng m
 RT: 9.07 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: BF080987.D
 Acq: 13 Aug 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 S-A(2)MSD

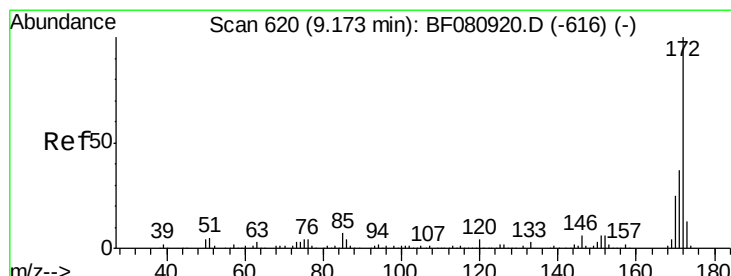
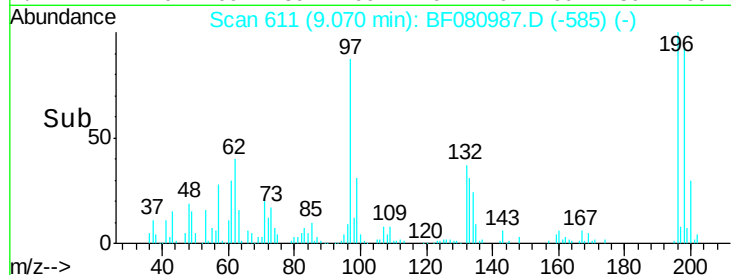
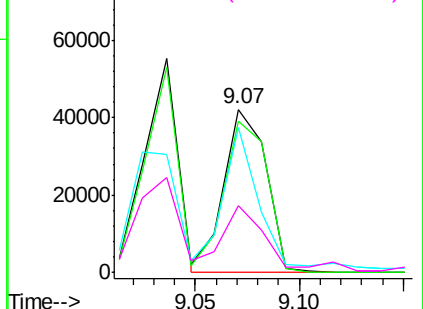
Tot Ion	196	Resp:	59820
Ion Ratio	Lower	Upper	
196	100		
198	92.3	78.9	118.3
97	88.7	29.1	43.7#
132	40.8	19.1	28.7#

Manual Integrations
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MMDadoda
 8/14/2015 3:09:00 PM



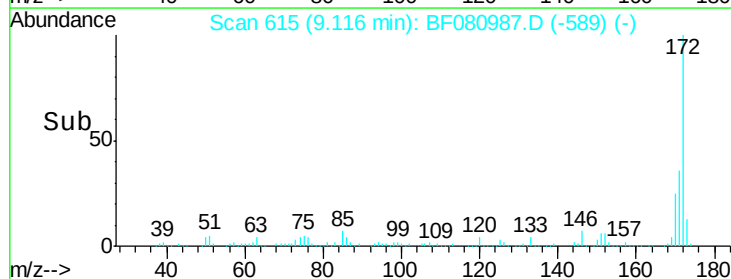
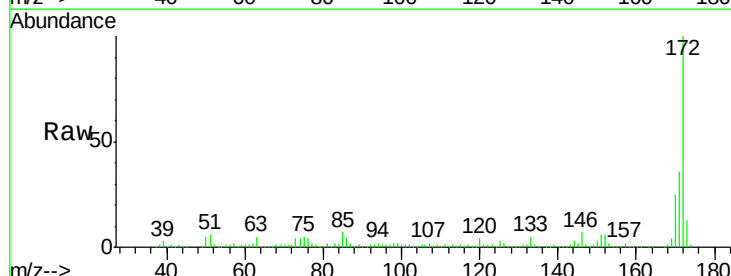
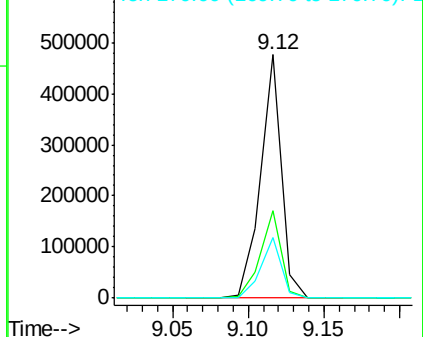
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

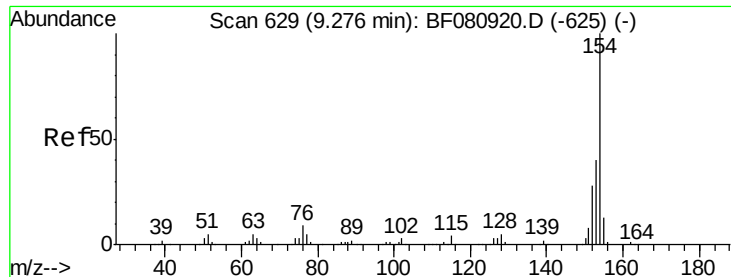


#44
 2-Fluorobiphenyl
 Concen: 81.08 ng m
 RT: 9.12 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: BF080987.D
 Acq: 13 Aug 2015 18:35

Tgt Ion	172	Resp:	456744
Ion Ratio	Lower	Upper	
172	100		
171	36.1	29.4	44.0
170	25.1	19.7	29.5

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 46.68 ng/mL

RT: 9.22 min Scan# 624

Delta R.T. 0.00 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Instrument :

BNA_F

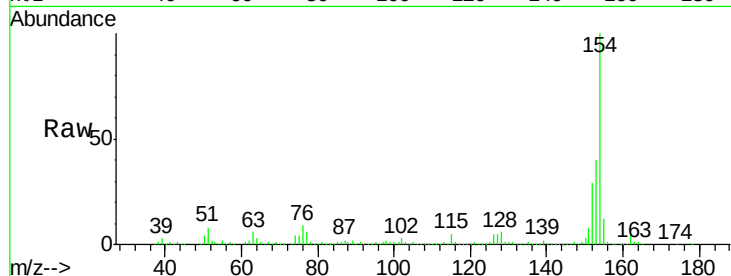
ClientSampleId :

S-A(2)MSD

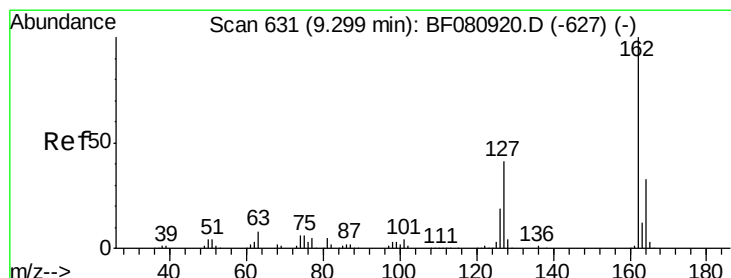
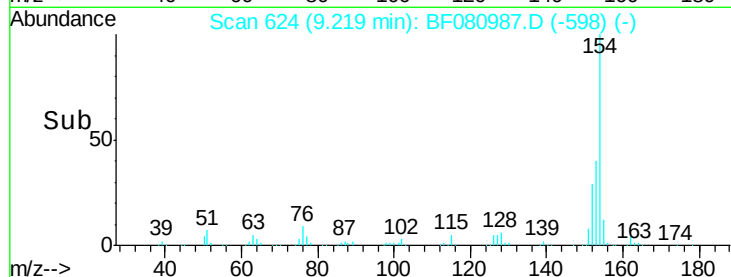
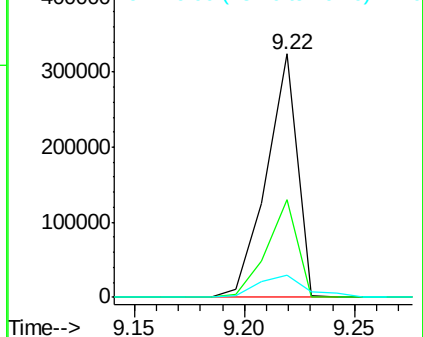
Tot Ion:	154	Resp:	317703
Ion Ratio	Lower	Upper	
154	100		
153	40.2	20.1	60.1
76	9.1	0.0	29.3

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 39.01 ng/mL

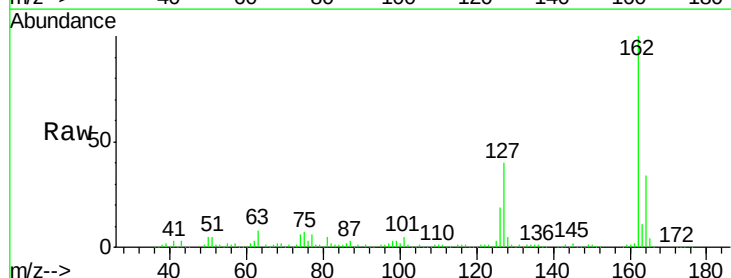
RT: 9.24 min Scan# 626

Delta R.T. 0.01 min

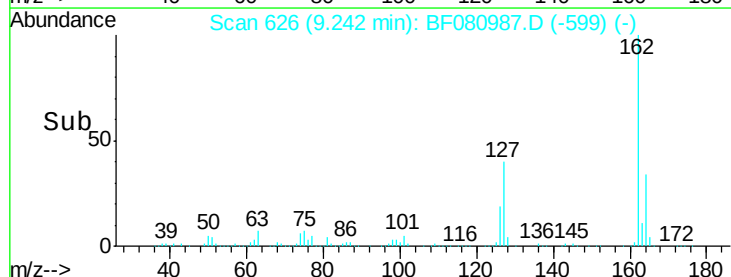
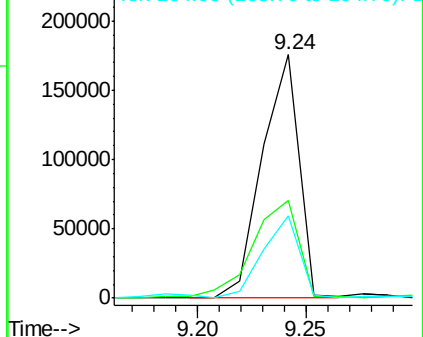
Lab File: BF080987.D

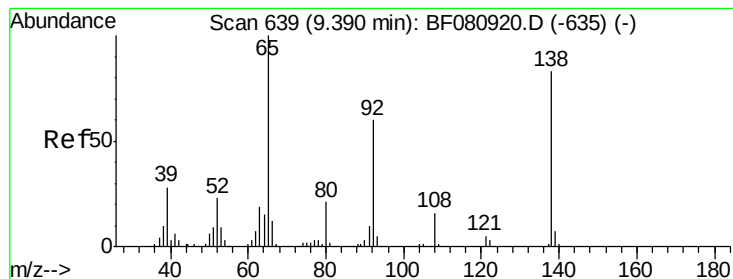
Acq: 13 Aug 2015 18:35

Tgt Ion:	162	Resp:	207019
Ion Ratio	Lower	Upper	
162	100		
127	39.9	32.5	48.7
164	33.7	26.2	39.4



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





#47

2-Nitroaniline

Concen: 42.43 ng m

RT: 9.33 min Scan# 634

Delta R.T. 0.00 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Instrument :

BNA_F

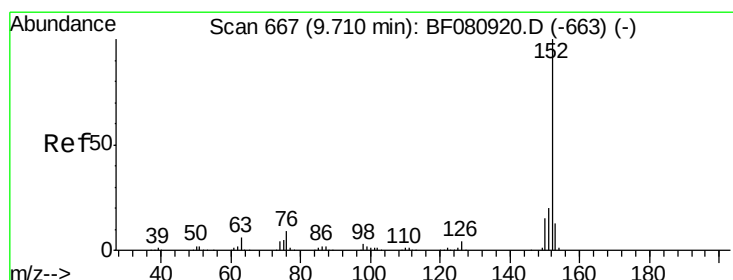
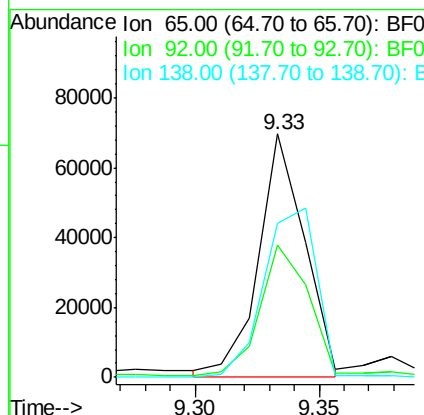
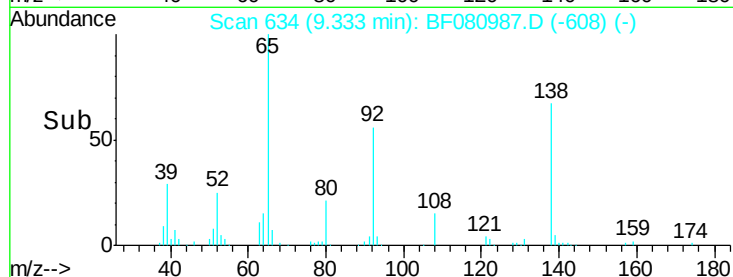
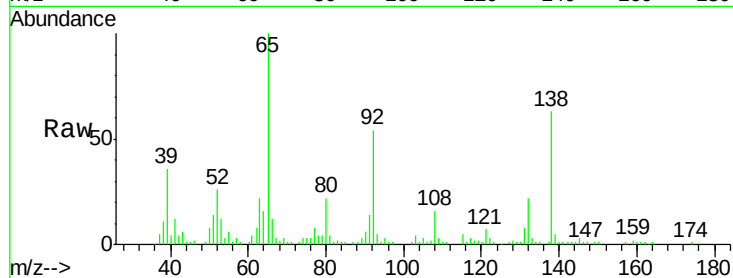
ClientSampleId :

S-A(2)MSD

Tot Ion:	65	Resp:	90269
Ion Ratio	Lower	Upper	
65	100		
92	54.4	48.0	72.0
138	63.4	66.1	99.1#

Manual Integrations
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#48

Acenaphthylene

Concen: 39.05 ng m

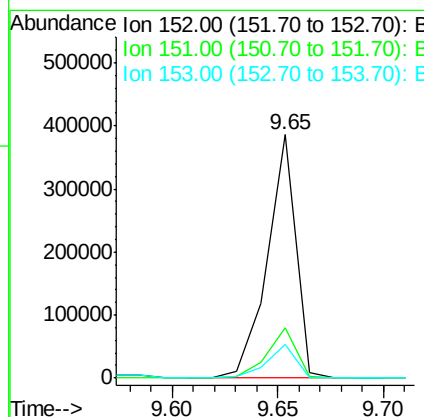
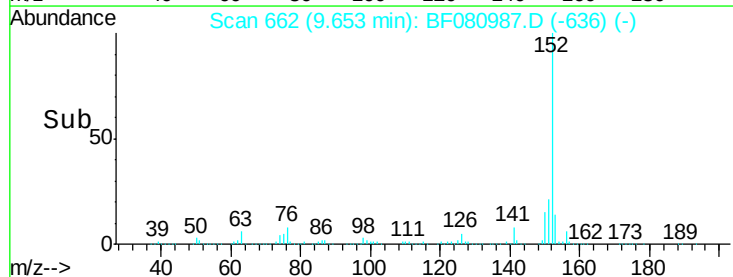
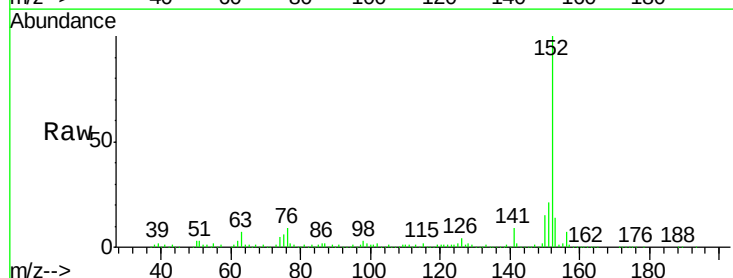
RT: 9.65 min Scan# 662

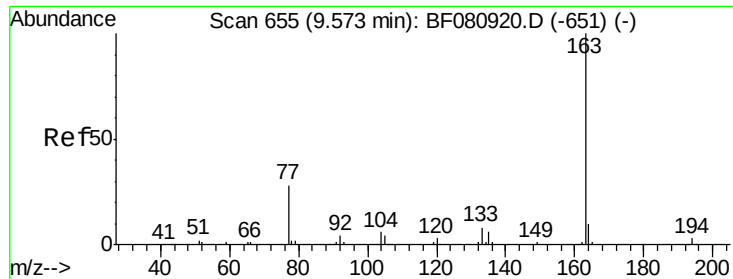
Delta R.T. 0.00 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Tgt Ion:	152	Resp:	360284
Ion Ratio	Lower	Upper	
152	100		
151	20.9	16.3	24.5
153	14.1	10.5	15.7





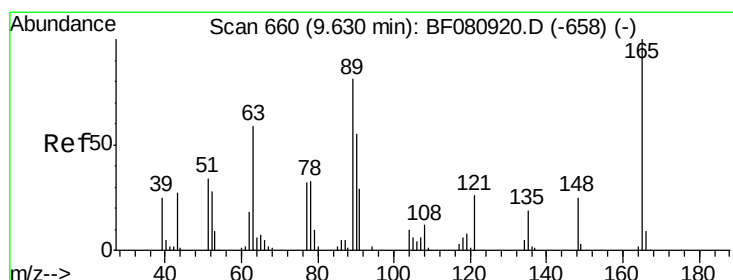
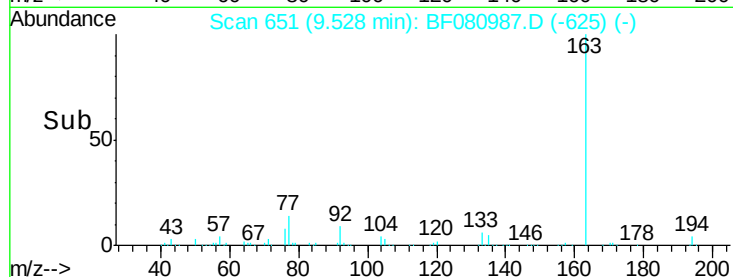
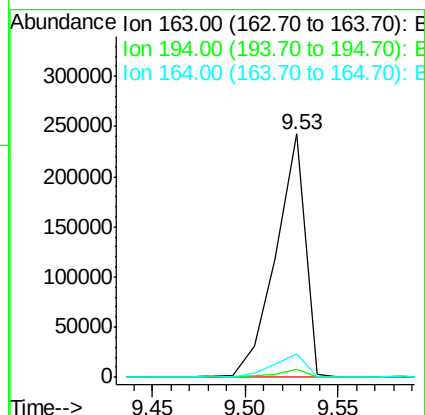
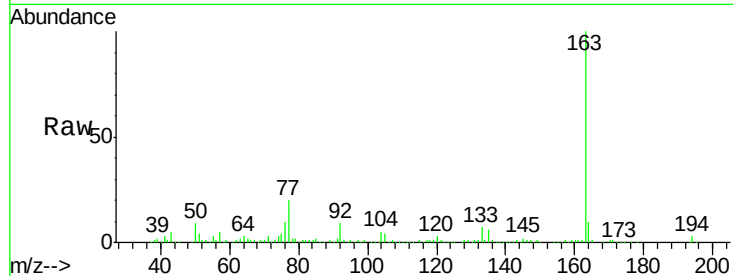
#49
Dimethylphthalate
Concen: 41.43 ng m
RT: 9.53 min Scan# 651
Delta R.T. 0.00 min
Lab File: BF080987.D
Acq: 13 Aug 2015 18:35

Instrument :
BNA_F
ClientSampleId :
S-A(2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
163	100	272957		
194	3.3		2.4	3.6
164	9.7		8.2	12.4

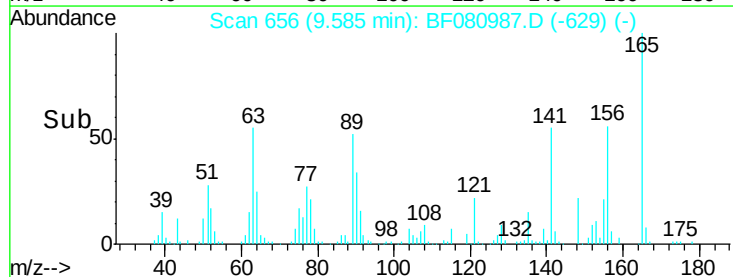
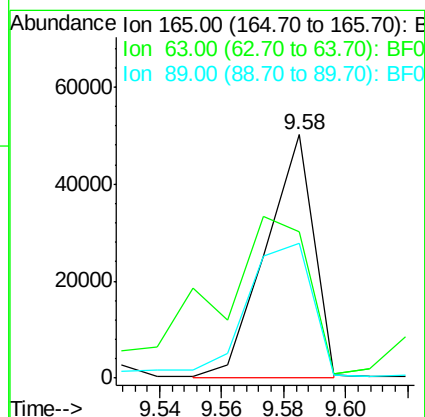
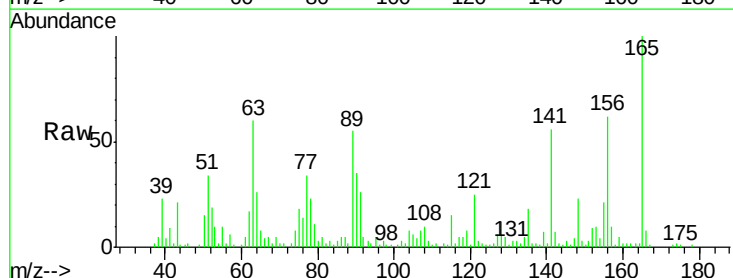
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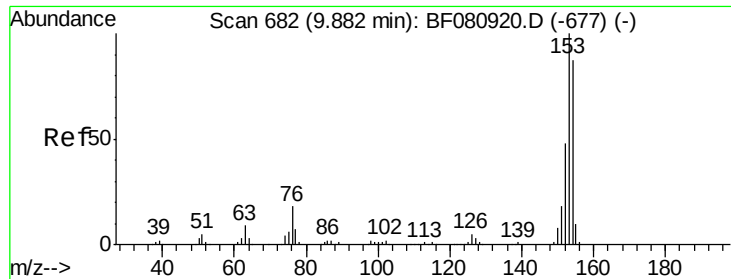
MMDadoda
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#50
2,6-Dinitrotoluene
Concen: 39.53 ng m
RT: 9.58 min Scan# 656
Delta R.T. 0.01 min
Lab File: BF080987.D
Acq: 13 Aug 2015 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	53794		
63	59.9		77.6	116.4#
89	55.1		64.5	96.7#





#51

Acenaphthene

Concen: 40.29 ng/mL

RT: 9.82 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Instrument :

BNA_F

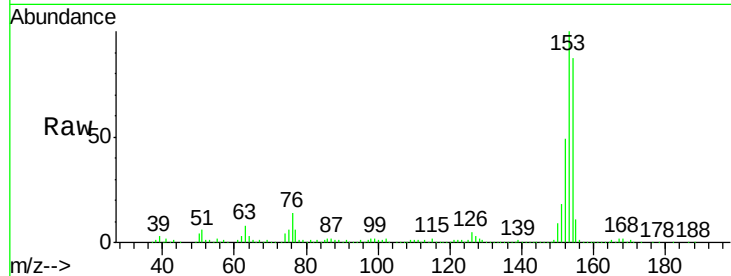
ClientSampleId :

S-A(2)MSD

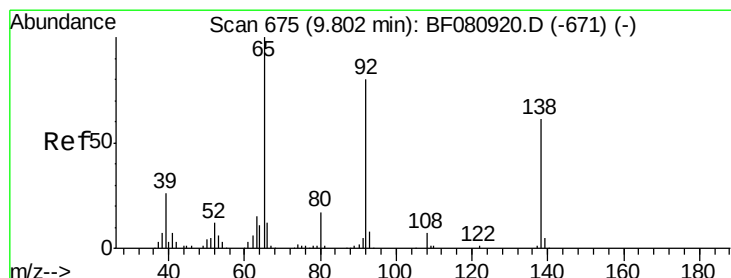
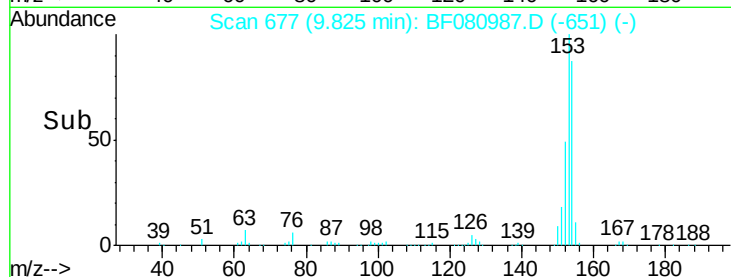
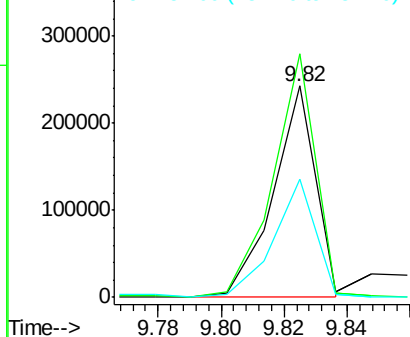
Tot Ion:	154	Resp:	227642
Ion Ratio	Lower	Upper	
154	100		
153	115.2	91.4	137.2
152	56.0	44.2	66.4

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



#52

3-Nitroaniline

Concen: 26.38 ng/mL

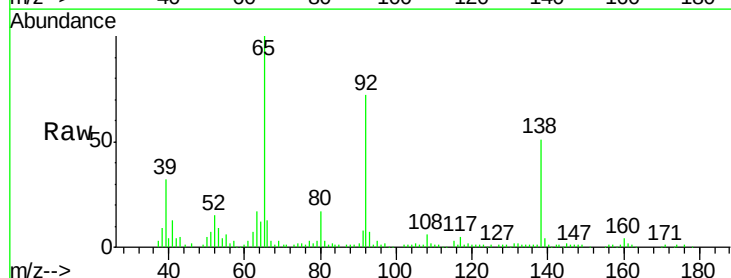
RT: 9.74 min Scan# 670

Delta R.T. 0.00 min

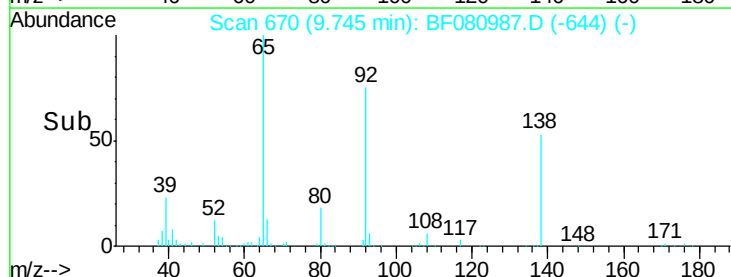
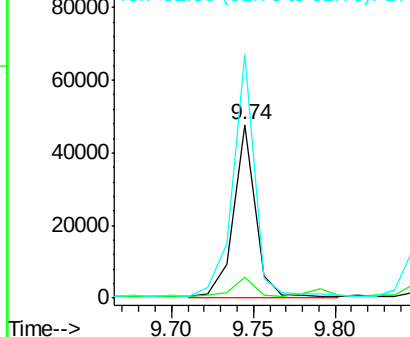
Lab File: BF080987.D

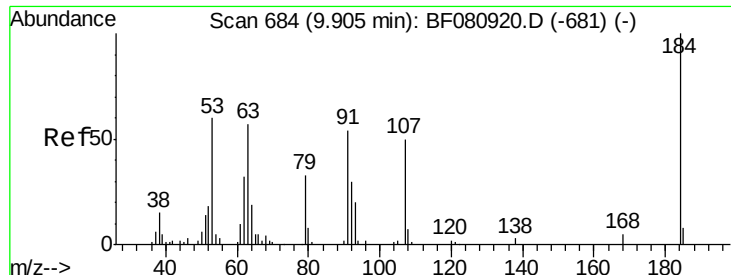
Acq: 13 Aug 2015 18:35

Tgt Ion:	138	Resp:	44260
Ion Ratio	Lower	Upper	
138	100		
108	11.9	8.7	13.1
92	140.5	104.4	156.6



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





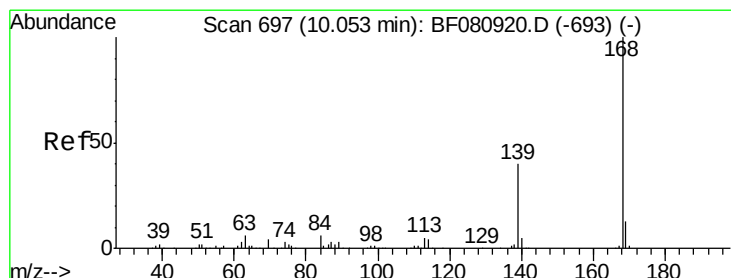
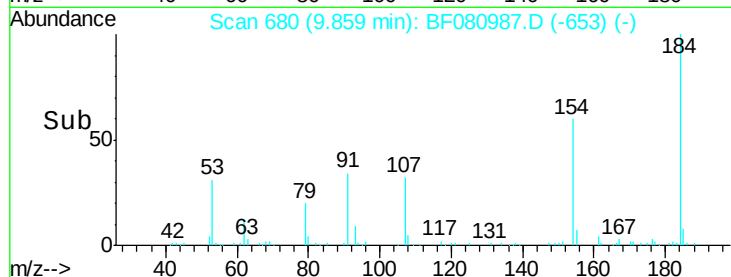
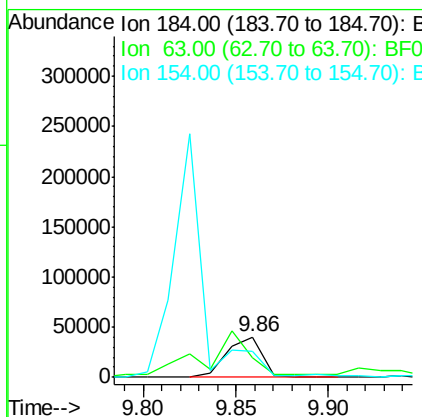
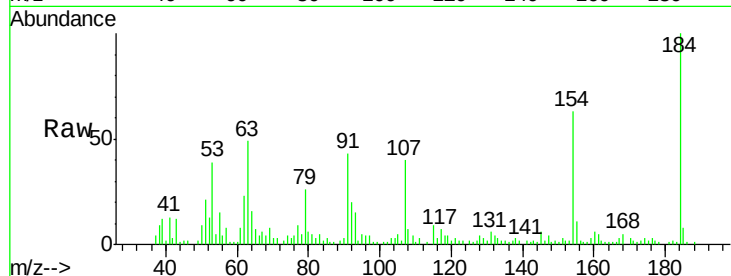
#53
2,4-Dinitrophenol
Concen: 65.17 ng m
RT: 9.86 min Scan# 680
Delta R.T. 0.01 min
Lab File: BF080987.D
Acq: 13 Aug 2015 18:35

Instrument :
BNA_F
ClientSampleId :
S-A(2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
63	49.3	59.7	89.5#	
154	63.5	53.8	80.8	

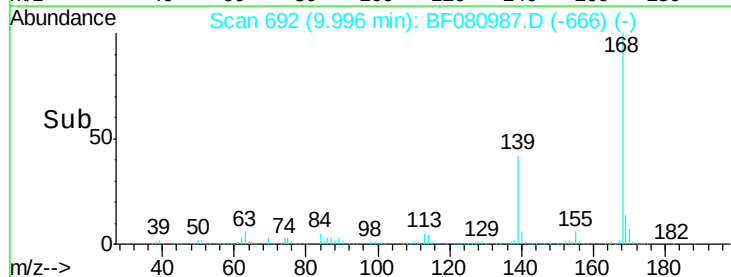
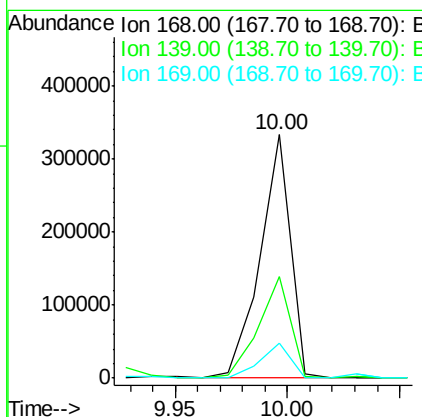
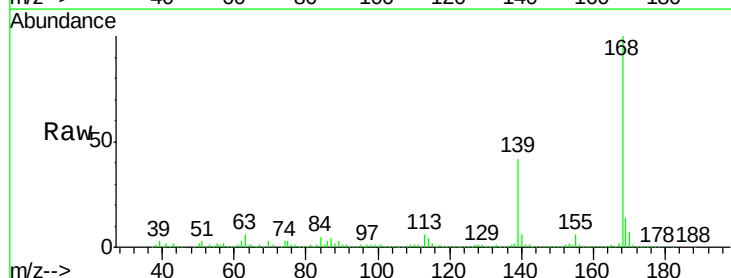
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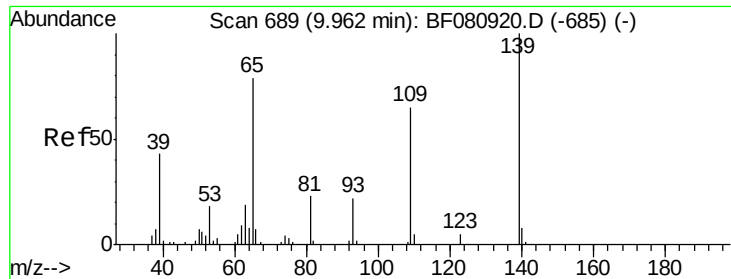
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#54
Dibenzofuran
Concen: 41.24 ng m
RT: 10.00 min Scan# 692
Delta R.T. 0.00 min
Lab File: BF080987.D
Acq: 13 Aug 2015 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	41.7	31.9	47.9	
169	14.2	10.6	15.8	





#55

4-Nitrophenol

Concen: 25.05 ng/mL

RT: 9.92 min Scan# 685

Delta R.T. 0.01 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Instrument :

BNA_F

ClientSampleId :

S-A(2)MSD

Tot Ion:139 Resp: 31467
Ion Ratio Lower Upper

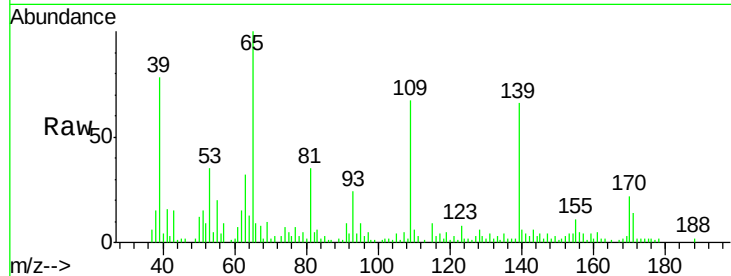
139 100

109 101.3 44.7 84.7#

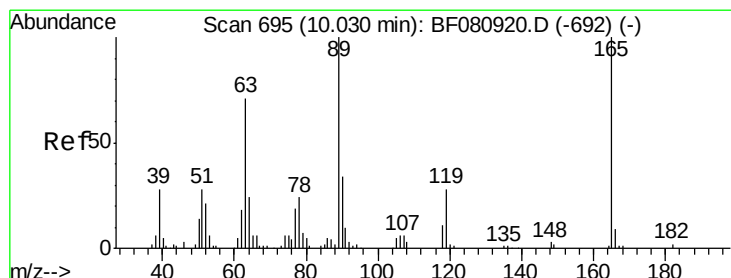
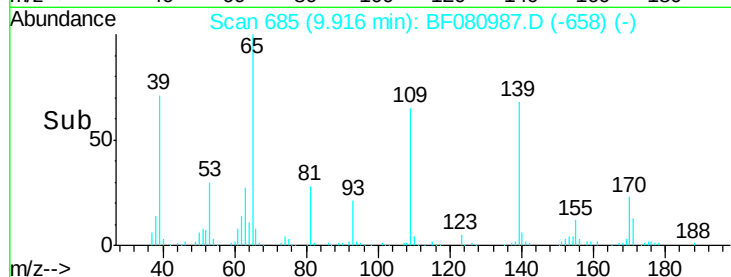
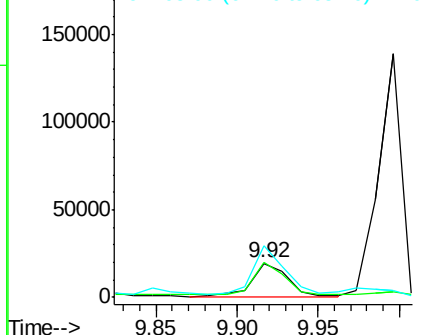
65 151.0 59.5 99.5#

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



#56

2,4-Dinitrotoluene

Concen: 41.08 ng/mL

RT: 9.98 min Scan# 691

Delta R.T. 0.01 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Tgt Ion:165 Resp: 74806
Ion Ratio Lower Upper

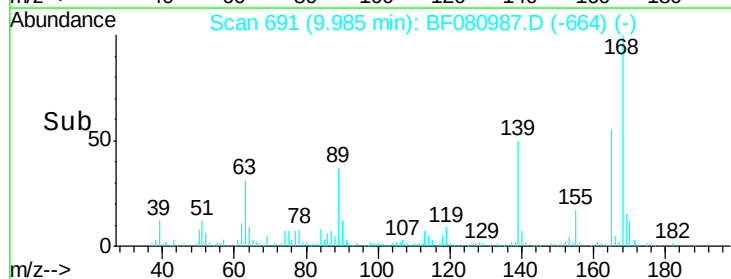
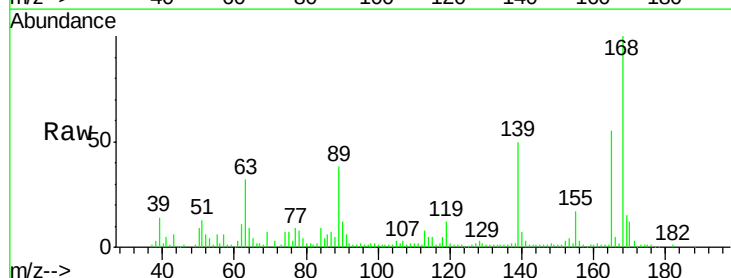
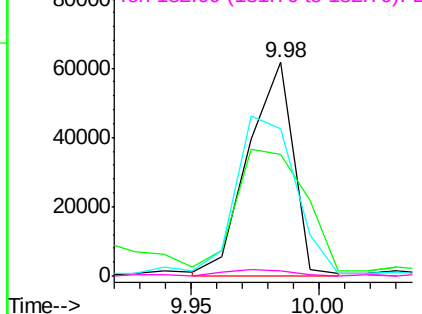
165 100

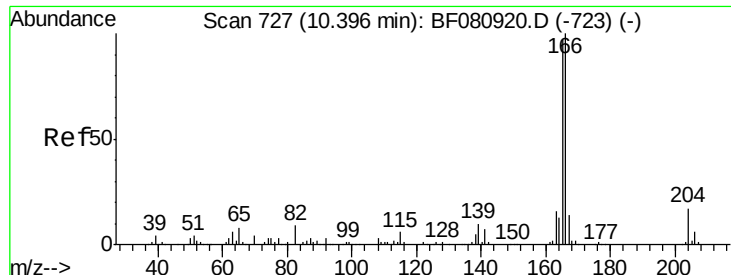
63 57.1 56.7 85.1

89 69.0 80.4 120.6#

182 2.3 1.5 2.3

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





#57

Fluorene

Concen: 46.68 ng m

RT: 10.34 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Instrument :

BNA_F

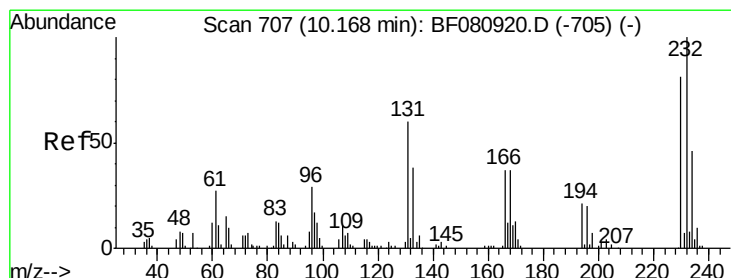
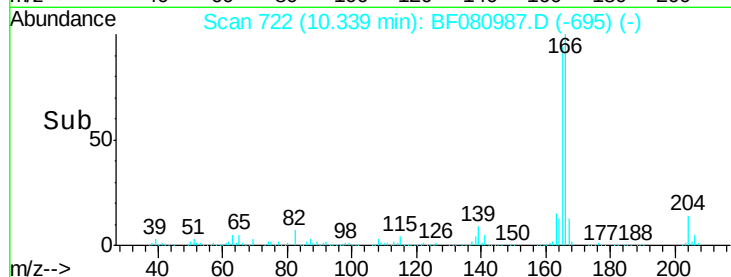
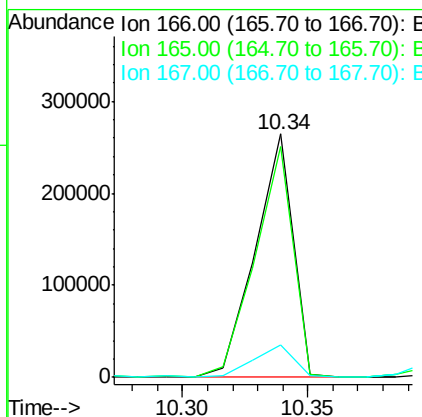
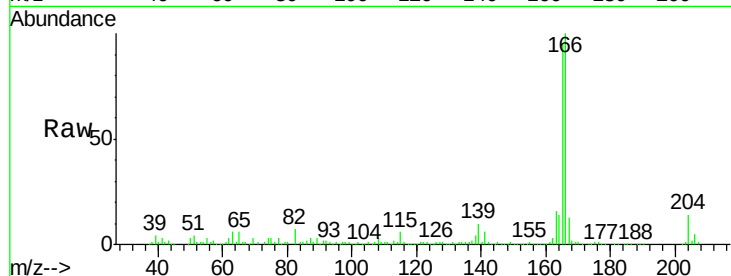
ClientSampleId :

S-A(2)MSD

Tot Ion:	166	Resp:	275901
Ion Ratio	Lower	Upper	
166	100		
165	94.6	77.2	115.8
167	13.5	10.8	16.2

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#58

2,3,4,6-Tetrachlorophenol

Concen: 32.36 ng m

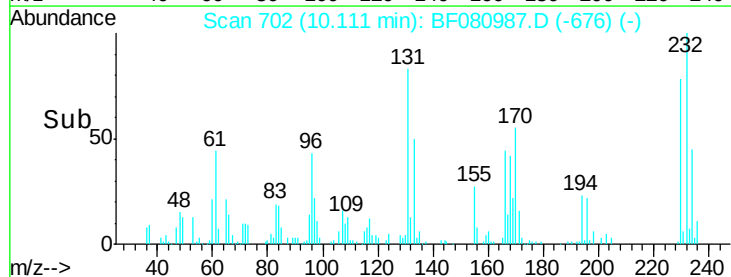
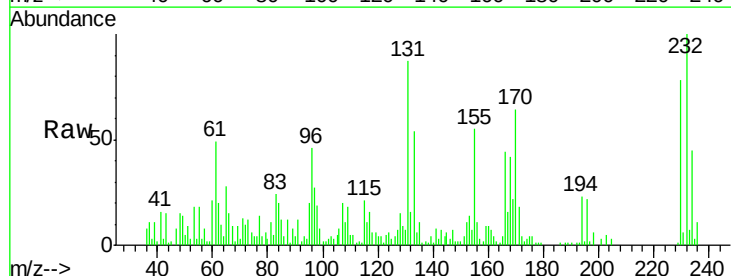
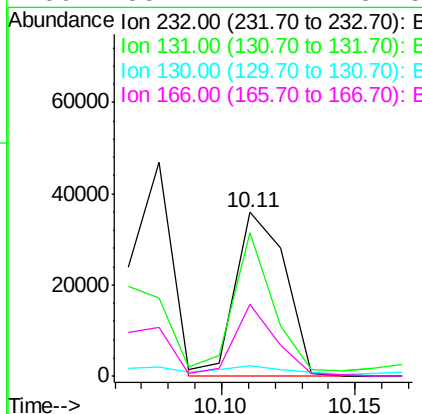
RT: 10.11 min Scan# 702

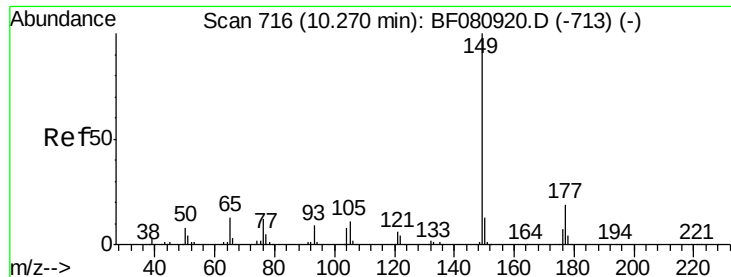
Delta R.T. 0.00 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Tgt Ion:	232	Resp:	46243
Ion Ratio	Lower	Upper	
232	100		
131	54.8	39.4	59.2
130	4.0	2.1	3.1#
166	33.1	21.7	32.5#





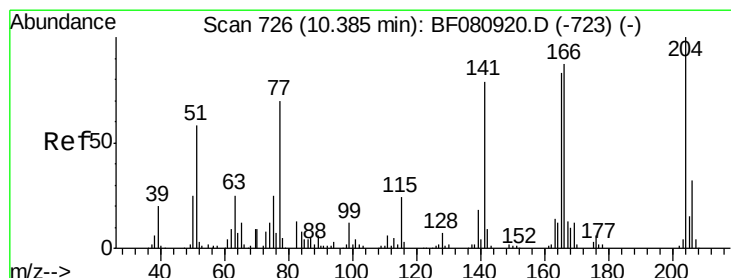
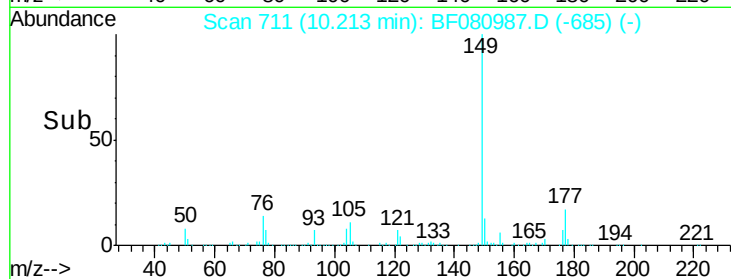
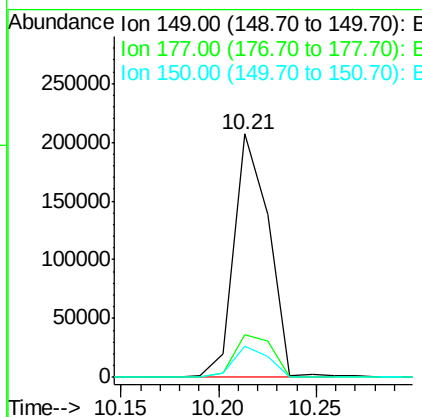
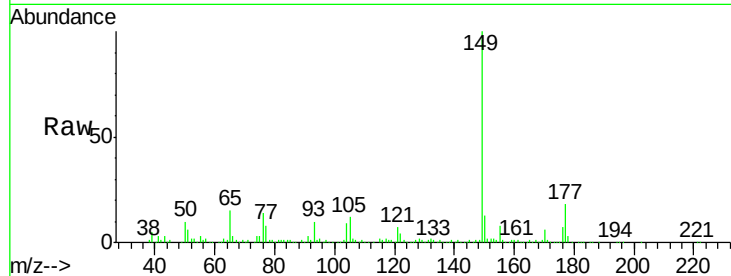
#59
Diethylphthalate
Concen: 37.30 ng m
RT: 10.21 min Scan# 711
Delta R.T. 0.00 min
Lab File: BF080987.D
Acq: 13 Aug 2015 18:35

Instrument :
BNA_F
ClientSampled :
S-A(2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	255805		
177	17.5	15.0	22.4	
150	12.8	10.4	15.6	

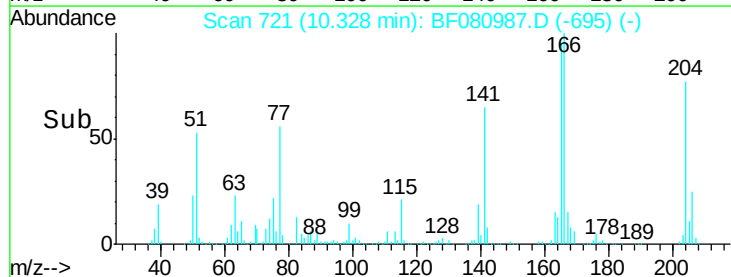
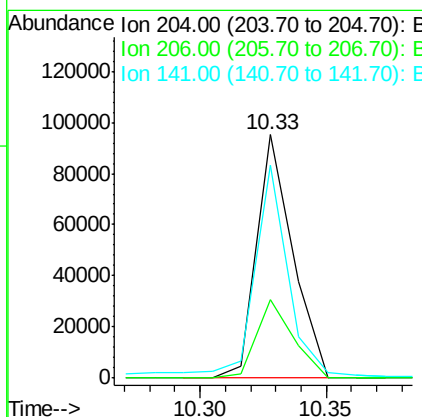
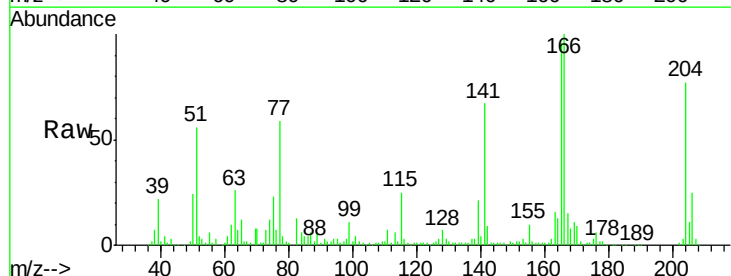
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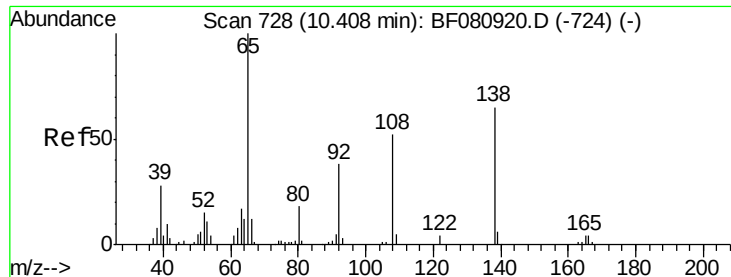
MMDadoda
8/14/2015 3:09:00 PM



#60
4-Chlorophenyl-phenylether
Concen: 32.87 ng m
RT: 10.33 min Scan# 721
Delta R.T. 0.00 min
Lab File: BF080987.D
Acq: 13 Aug 2015 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	94662		
206	32.0	25.5	38.3	
141	87.4	63.4	95.0	





#61

4-Nitroaniline

Concen: 34.38 ng m

RT: 10.36 min Scan# 724

Delta R.T. 0.00 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Instrument :

BNA_F

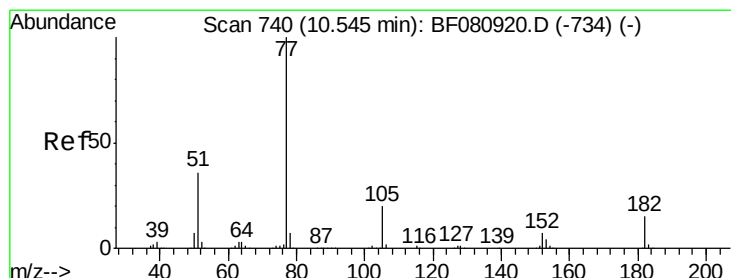
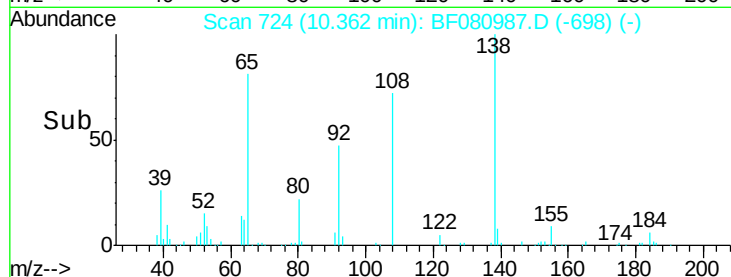
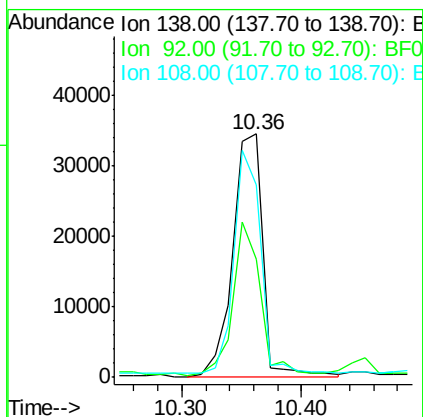
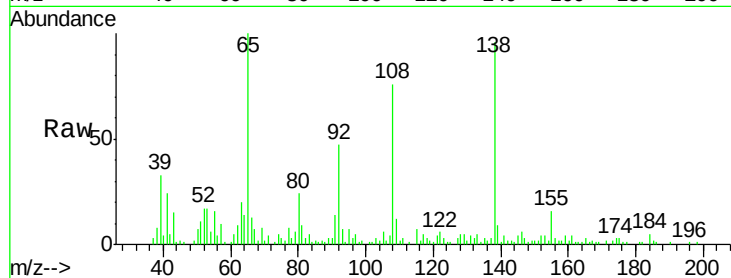
ClientSampleId :

S-A(2)MSD

Tot Ion:	138	Resp:	59356
Ion Ratio	Lower	Upper	
138	100		
92	48.6	38.1	78.1
108	79.2	59.9	99.9

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#62

Azobenzene

Concen: 37.15 ng m

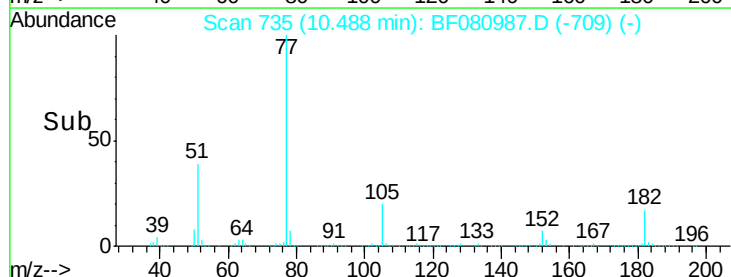
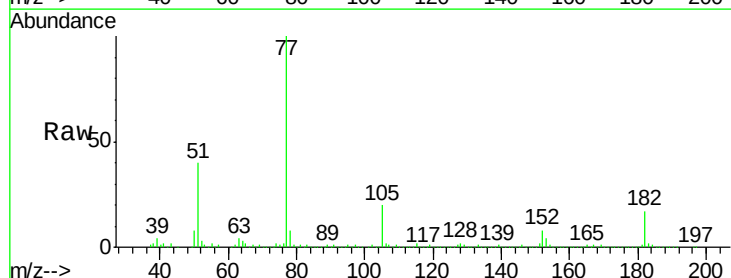
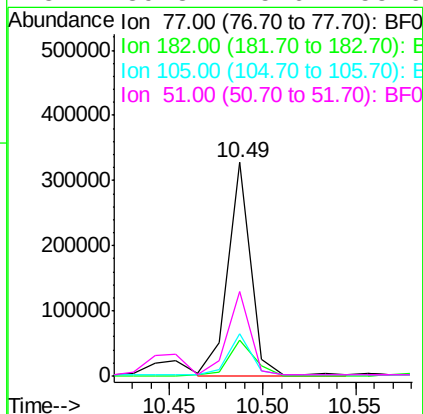
RT: 10.49 min Scan# 735

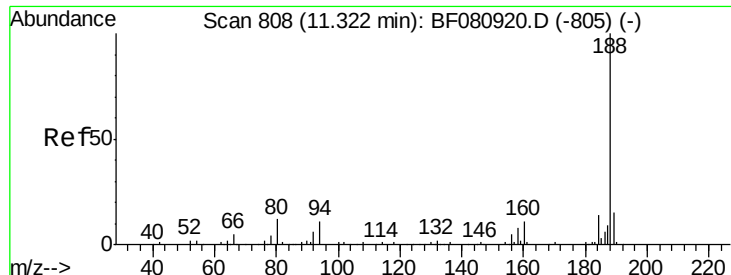
Delta R.T. 0.00 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Tgt Ion:	77	Resp:	284888
Ion Ratio	Lower	Upper	
77	100		
182	17.0	0.0	35.5
105	20.0	0.5	40.5
51	39.8	15.6	55.6





#63

Phenanthrene-d10

Concen: 20.00 ng m

RT: 11.27 min Scan# 803

Delta R.T. 0.00 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Instrument :

BNA_F

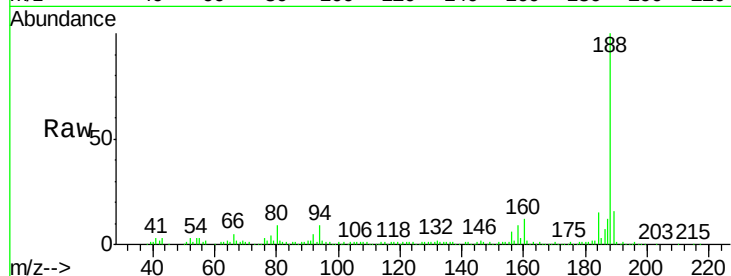
ClientSampleId :

S-A(2)MSD

Tot Ion:	188	Resp:	141956
Ion Ratio	Lower	Upper	
188	100		
94	8.6	8.8	13.2#
80	9.3	9.5	14.3#

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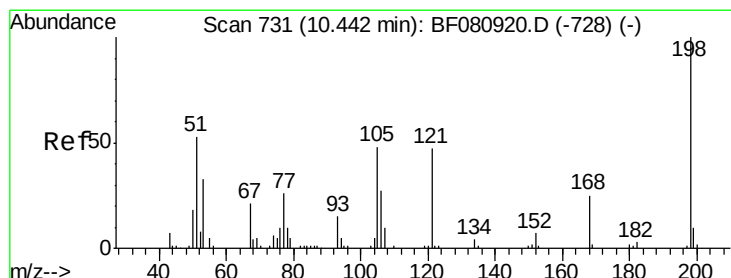
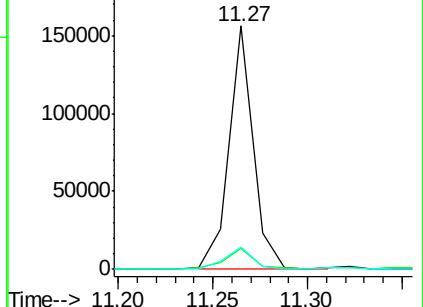
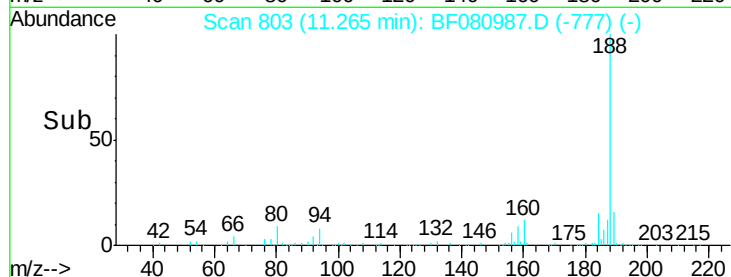


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

11.27



#64

4,6-Dinitro-2-methylphenol

Concen: 36.88 ng m

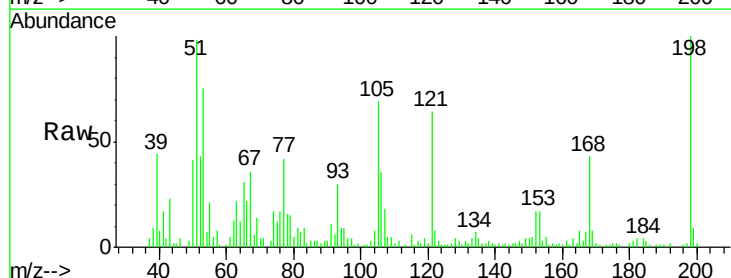
RT: 10.38 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Tgt Ion:	198	Resp:	32449
Ion Ratio	Lower	Upper	
198	100		
51	98.1	40.3	80.3#
105	68.7	29.6	69.6

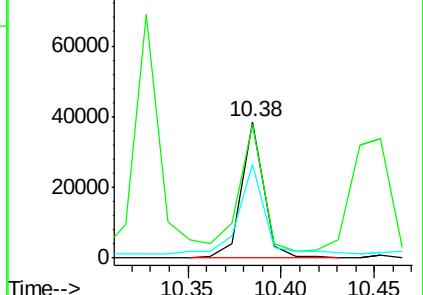
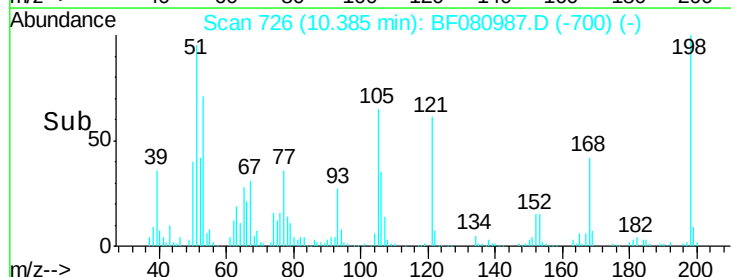


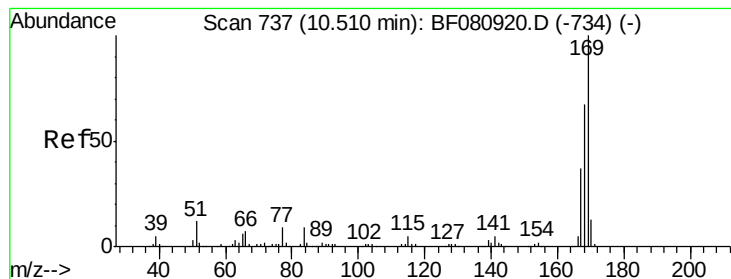
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

10.38





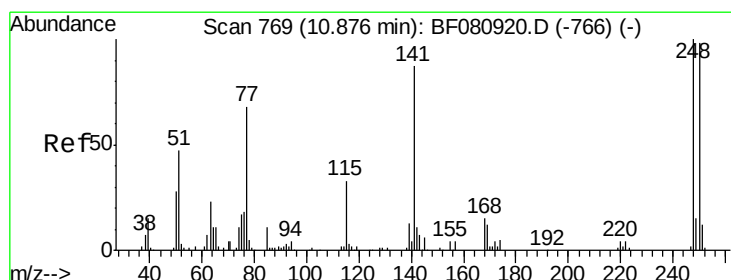
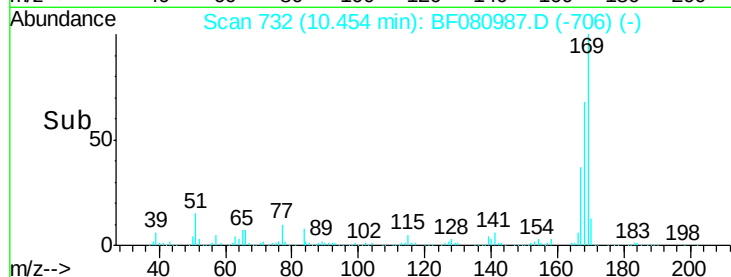
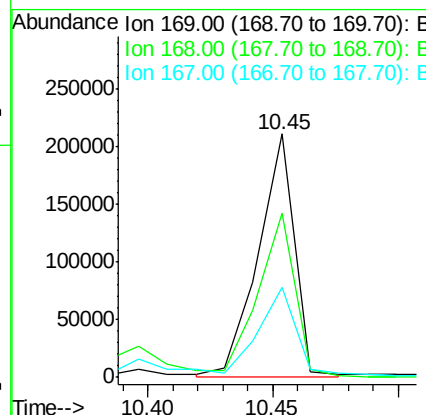
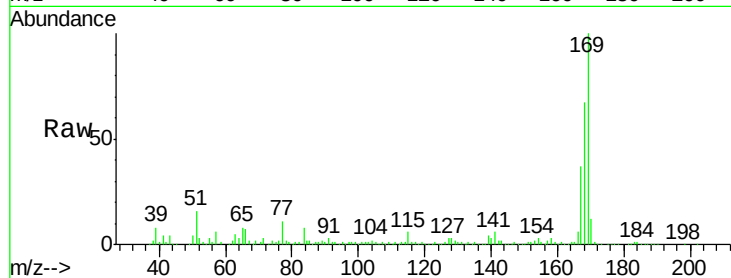
#65
 n-Nitrosodiphenylamine
 Concen: 42.96 ng/ml
 RT: 10.45 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: BF080987.D
 Acq: 13 Aug 2015 18:35

Instrument :
 BNA_F
 ClientSampleID :
 S-A(2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
169	100	211860		
168	67.3	53.7	80.5	
167	36.9	29.3	43.9	

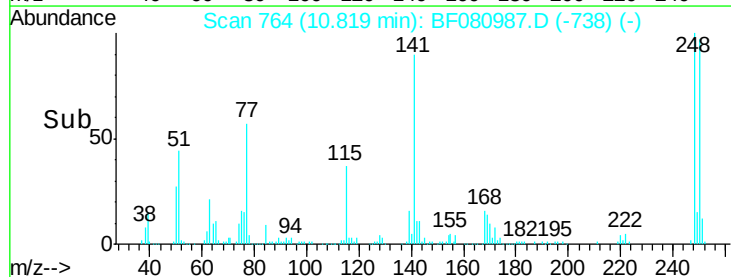
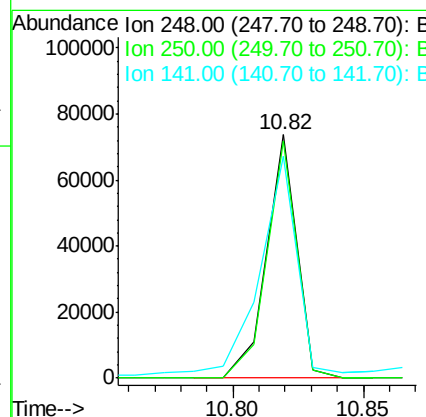
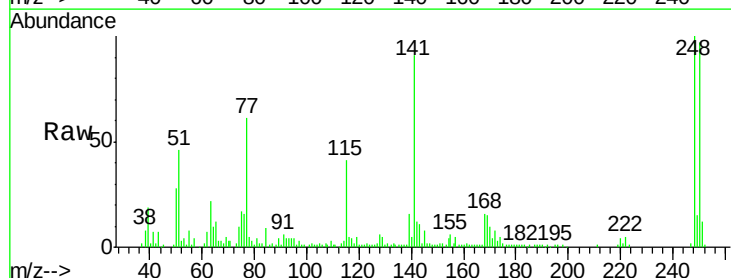
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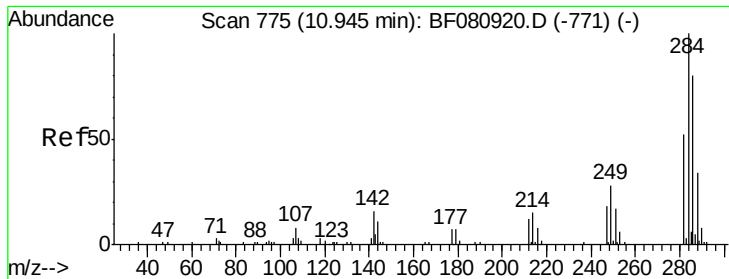
MMDadoda
 8/14/2015 3:09:00 PM



#66
 4-Bromophenyl-phenylether
 Concen: 39.88 ng/ml
 RT: 10.82 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: BF080987.D
 Acq: 13 Aug 2015 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	59965		
250	97.4	78.1	117.1	
141	90.9	69.6	104.4	





#67

Hexachlorobenzene

Concen: 30.59 ng m

RT: 10.88 min Scan# 769

Delta R.T. 0.00 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Instrument :

BNA_F

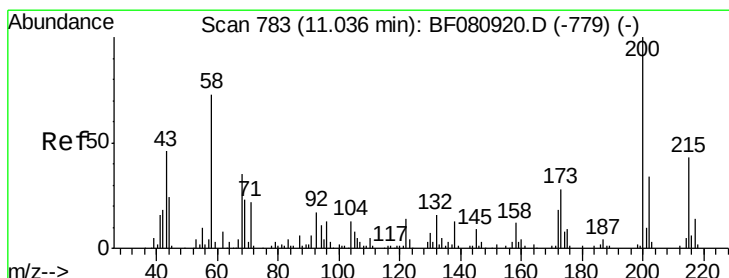
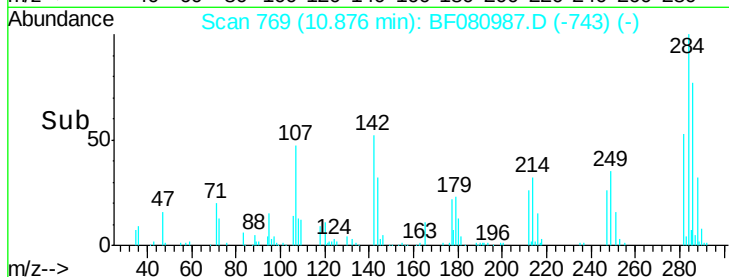
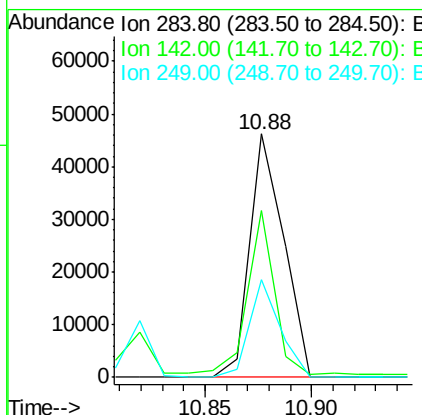
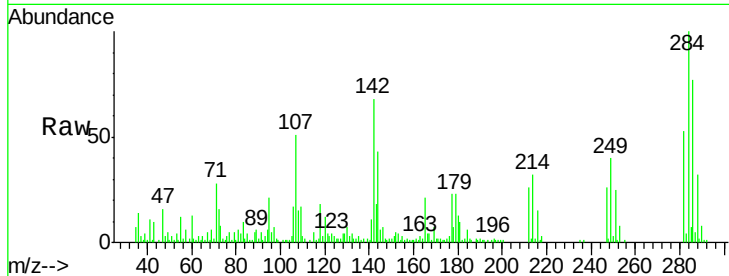
ClientSampled :

S-A(2)MSD

Tot Ion:	284	Resp:	51125
Ion Ratio	Lower	Upper	
284	100		
142	68.5	12.8	19.2#
249	40.0	22.5	33.7#

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8/14/2015 3:09:00 PM



#68

Atrazine

Concen: 40.19 ng m

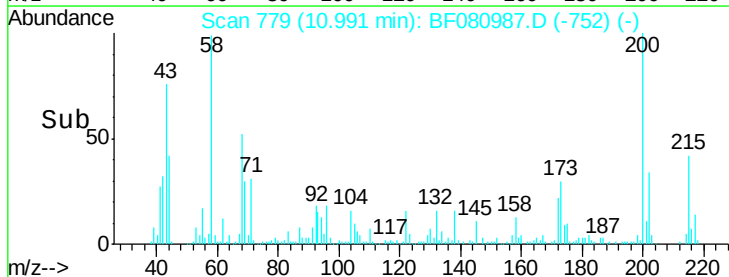
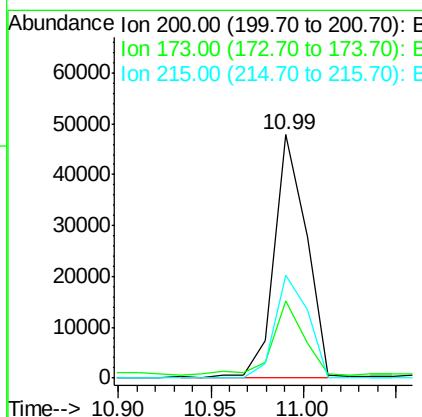
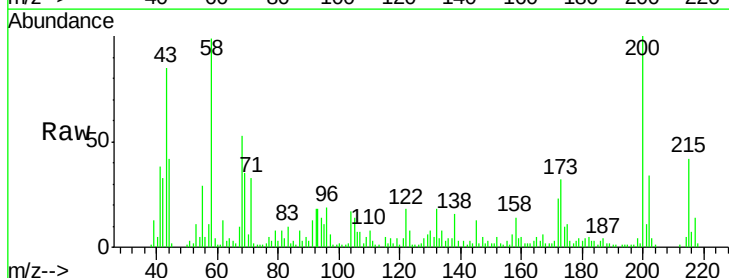
RT: 10.99 min Scan# 779

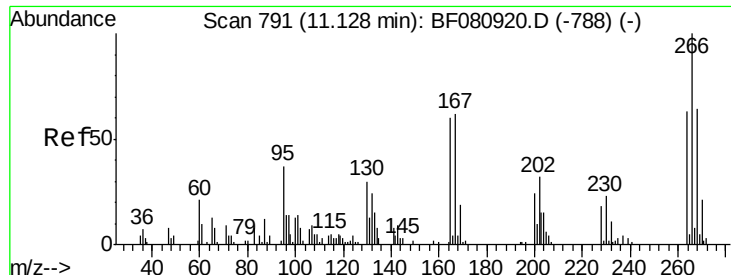
Delta R.T. 0.01 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Tgt Ion:	200	Resp:	58117
Ion Ratio	Lower	Upper	
200	100		
173	32.0	8.4	48.4
215	42.4	22.7	62.7





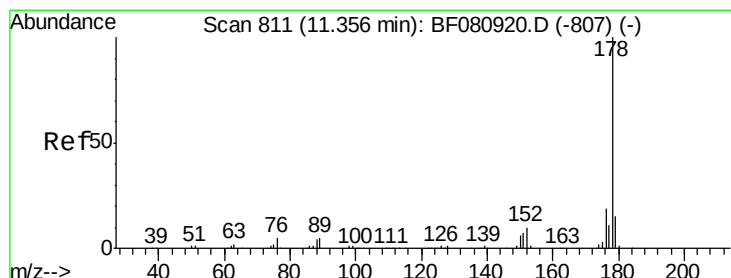
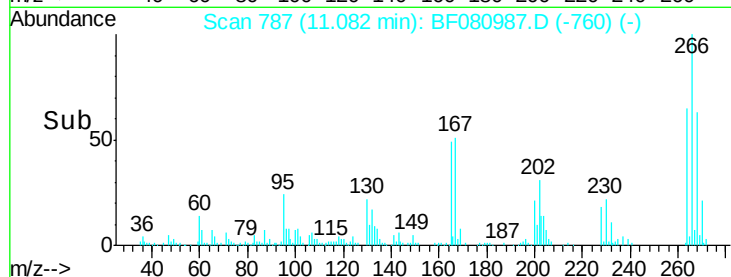
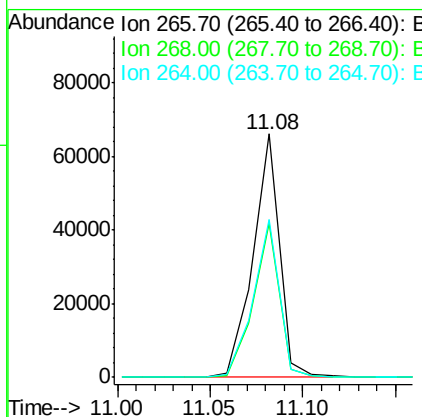
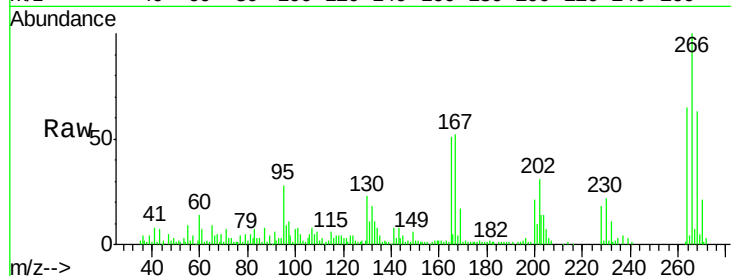
#69
 Pentachlorophenol
 Concen: 67.59 ng m
 RT: 11.08 min Scan# 787
 Delta R.T. 0.01 min
 Lab File: BF080987.D
 Acq: 13 Aug 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 S-A(2)MSD

Tot Ion:	266	Resp:	65691
Ion Ratio		Lower	Upper
266	100		
268	63.2	51.6	77.4
264	64.7	50.1	75.1

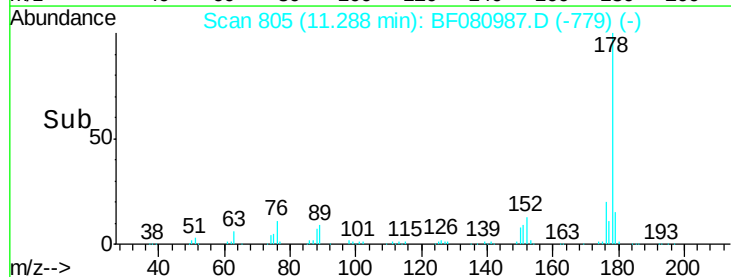
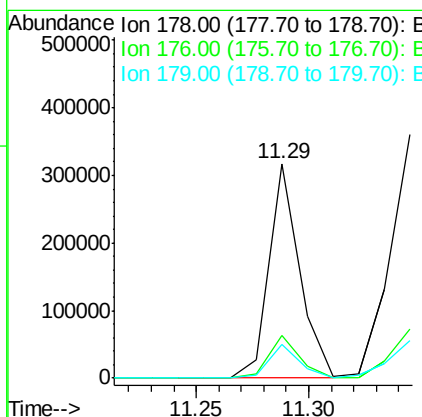
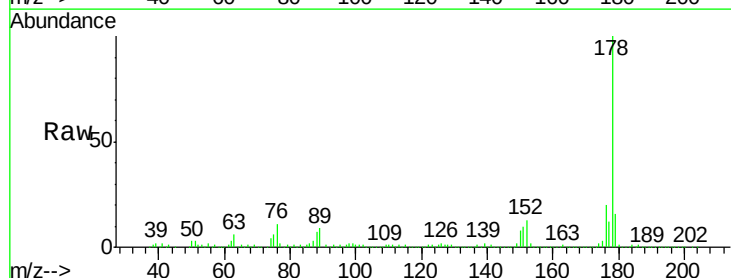
Manual Integrations
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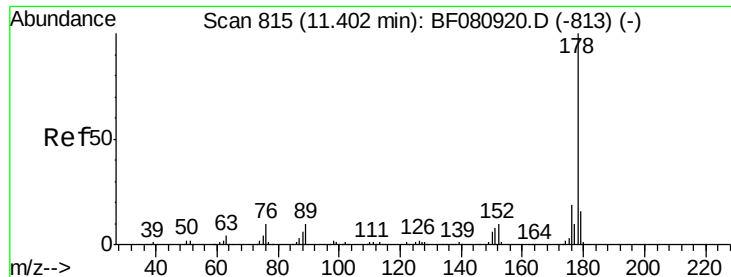
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#70
 Phenanthrene
 Concen: 37.63 ng m
 RT: 11.29 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: BF080987.D
 Acq: 13 Aug 2015 18:35

Tgt Ion:	178	Resp:	302502
Ion Ratio		Lower	Upper
178	100		
176	19.9	15.6	23.4
179	15.8	11.9	17.9





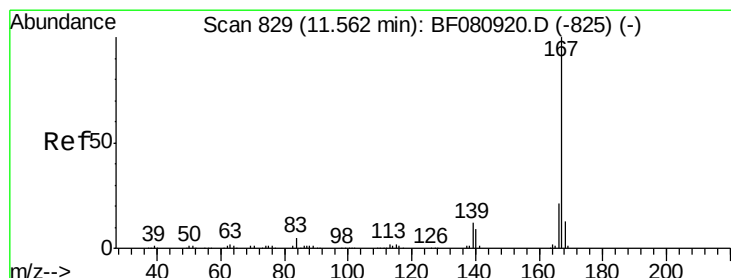
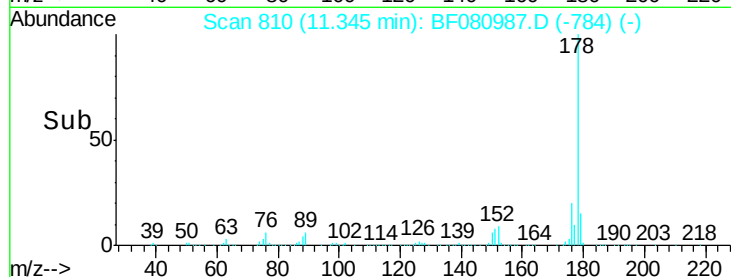
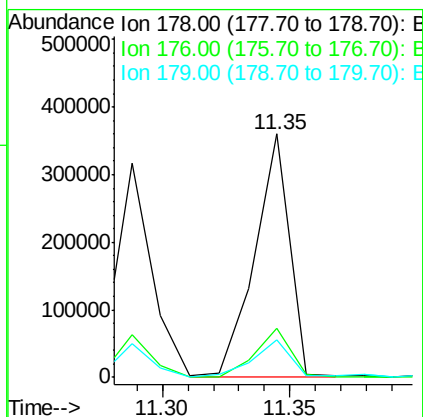
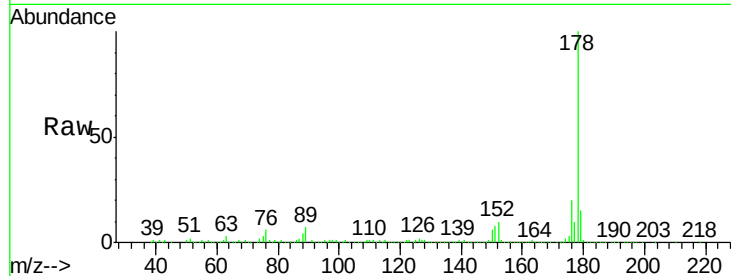
#71
 Anthracene
 Concen: 43.54 ng m
 RT: 11.35 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF080987.D
 Acq: 13 Aug 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 S-A(2)MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.5	23.3
179	15.4	12.6	18.8

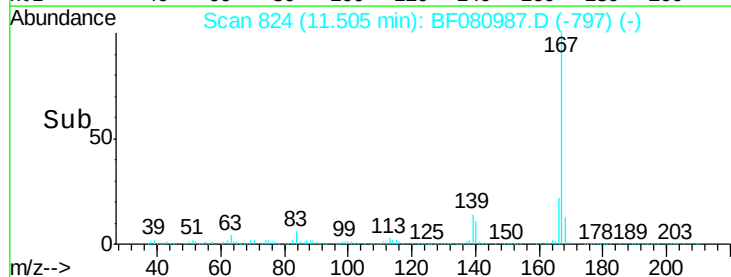
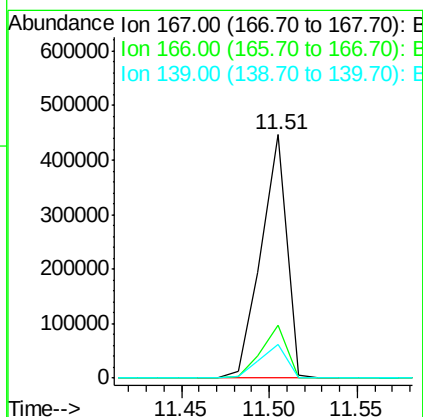
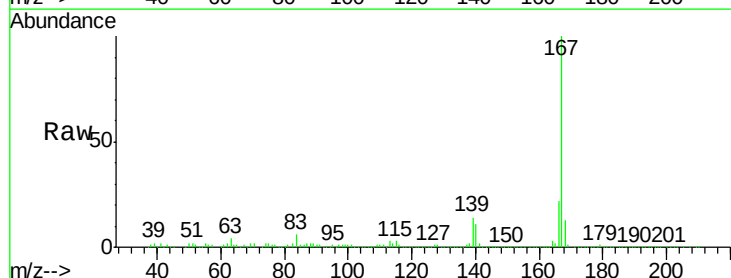
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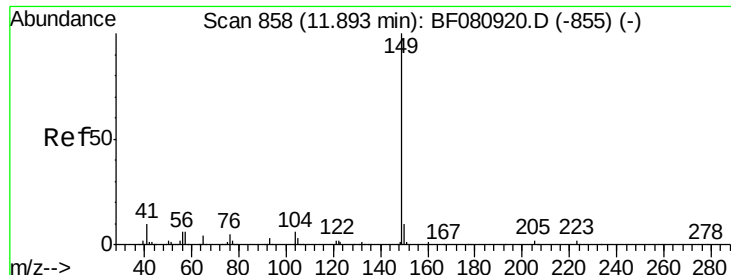
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 8/14/2015 3:09:00 PM



#72
 Carbazole
 Concen: 58.43 ng m
 RT: 11.51 min Scan# 824
 Delta R.T. 0.01 min
 Lab File: BF080987.D
 Acq: 13 Aug 2015 18:35

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.1	25.7
139	13.9	9.2	13.8#





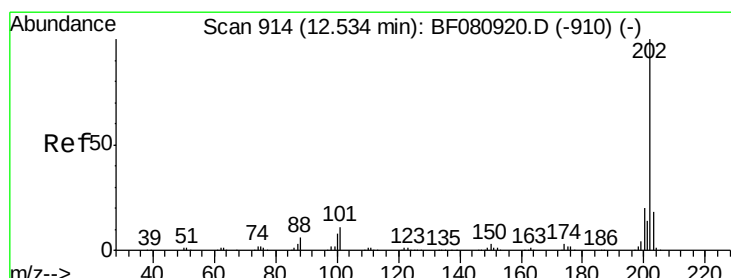
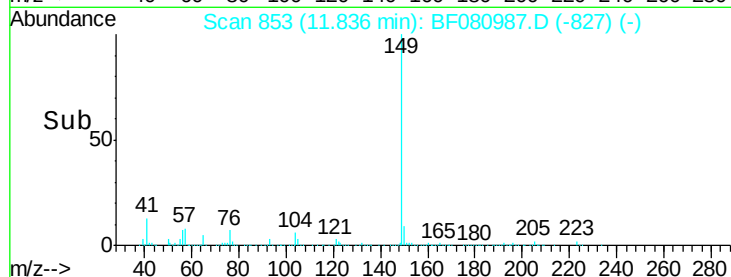
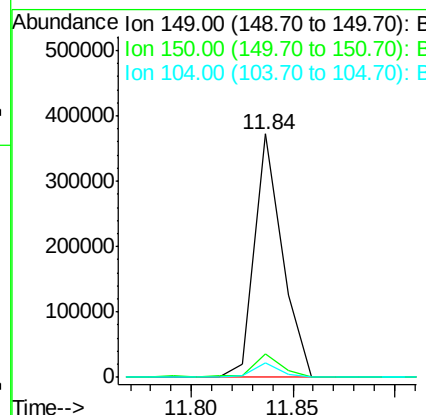
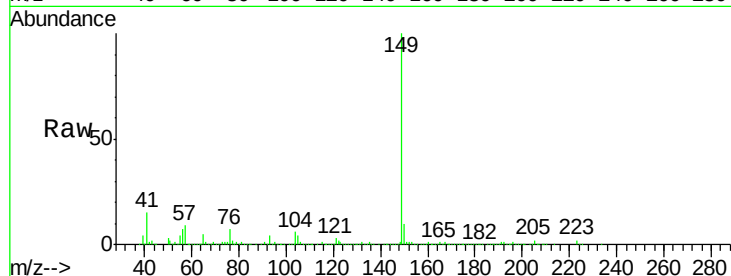
#73
Di-n-butylphthalate
Concen: 37.00 ng m
RT: 11.84 min Scan# 853
Delta R.T. 0.00 min
Lab File: BF080987.D
Acq: 13 Aug 2015 18:35

Instrument :
BNA_F
ClientSampleId :
S-A(2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
150	9.5	7.6	11.4	
104	6.1	4.4	6.6	

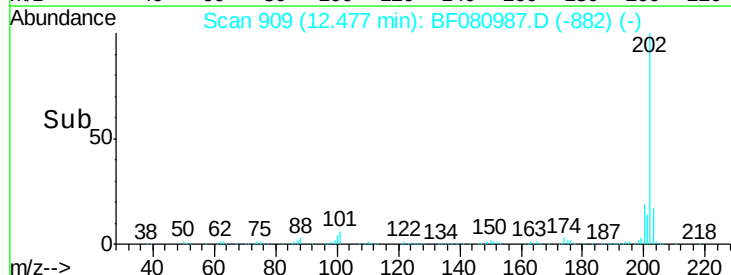
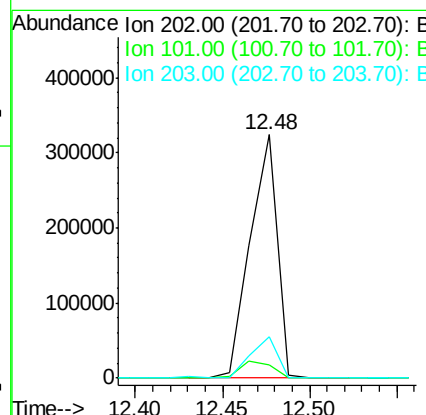
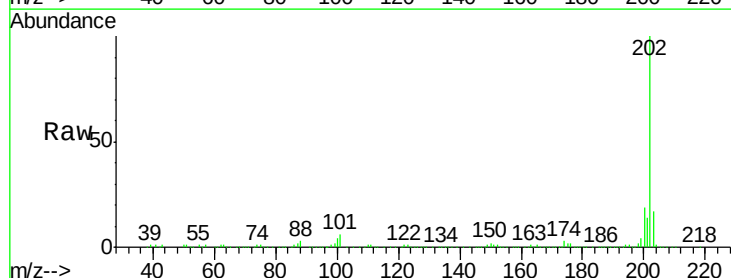
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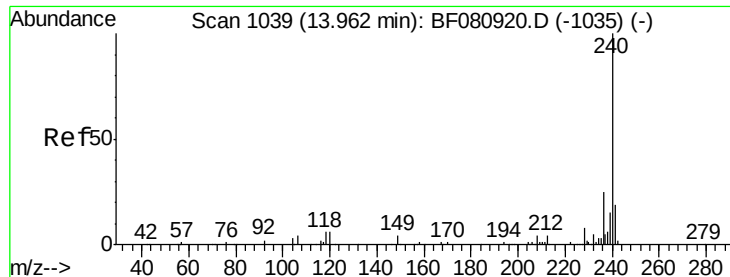
MMDadoda
8/14/2015 3:09:00 PM



#74
Fluoranthene
Concen: 40.50 ng m
RT: 12.48 min Scan# 909
Delta R.T. 0.01 min
Lab File: BF080987.D
Acq: 13 Aug 2015 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	5.7	0.0	30.5	
203	17.0	0.0	37.7	





#75

Chrysene-d12

Concen: 20.00 ng/mL

RT: 13.89 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Instrument :

BNA_F

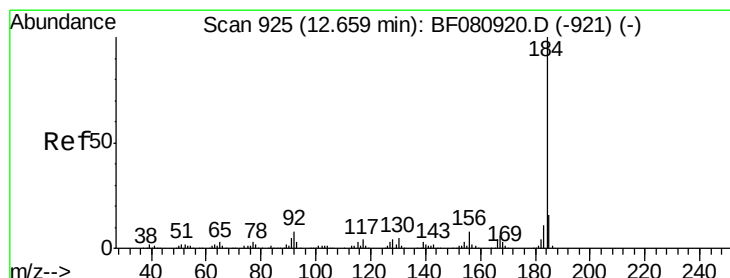
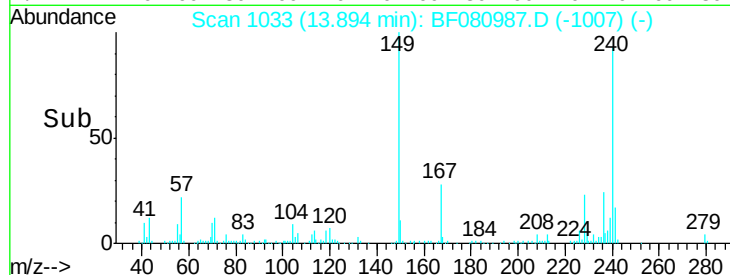
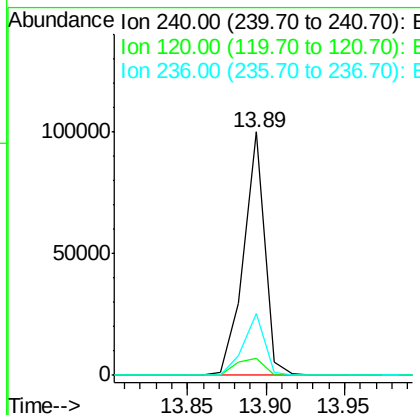
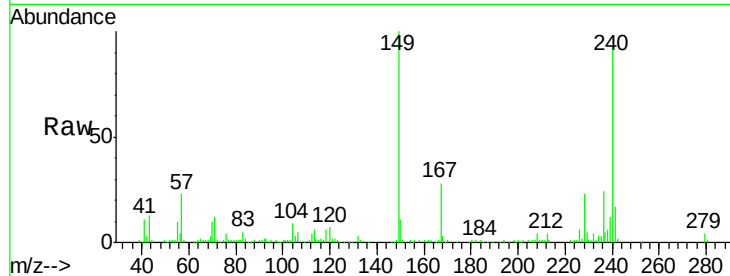
ClientSampleId :

S-A(2)MSD

Tot Ion:	240	Resp:	94015
Ion Ratio	Lower	Upper	
240	100		
120	7.3	5.2	7.8
236	25.4	20.2	30.4

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#76

Benzidine

Concen: 4.00 ng

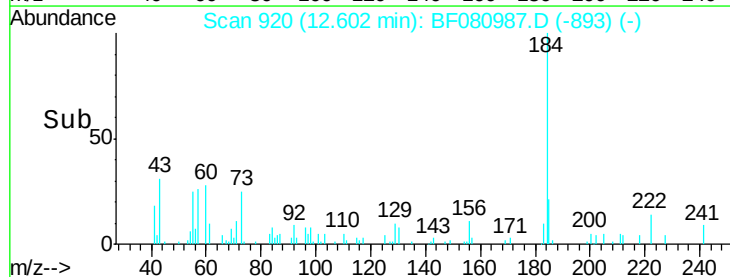
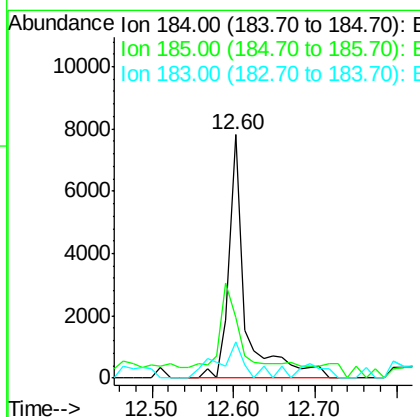
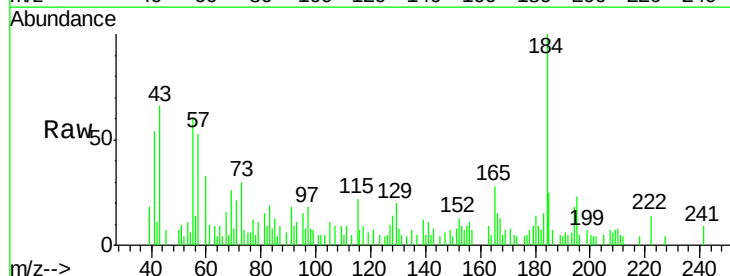
RT: 12.60 min Scan# 920

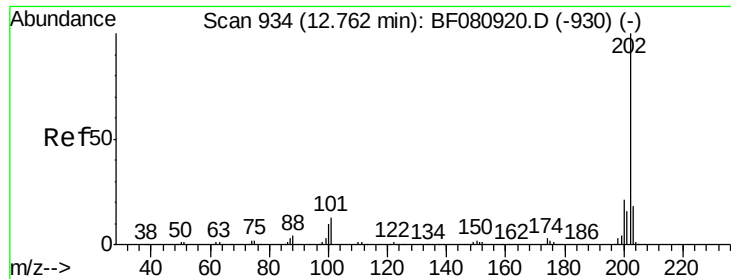
Delta R.T. 0.01 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Tgt Ion:	184	Resp:	10913
Ion Ratio	Lower	Upper	
184	100		
185	24.8	13.0	19.4#
183	14.9	8.7	13.1#





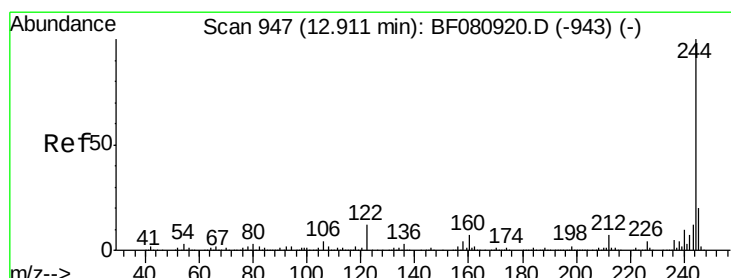
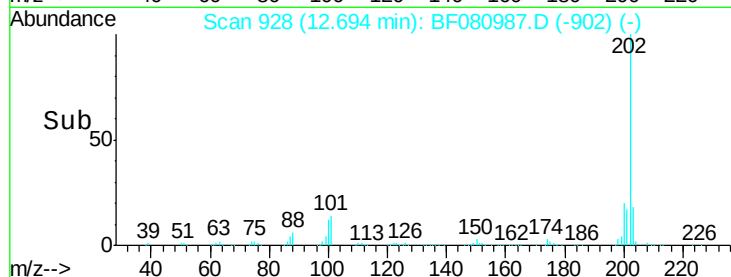
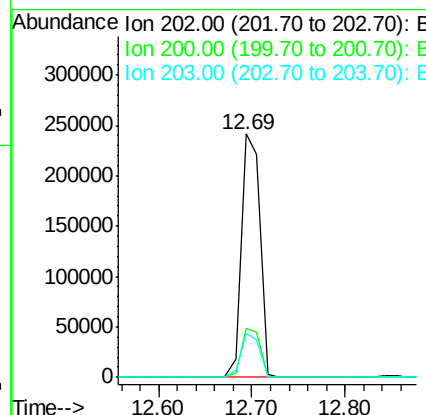
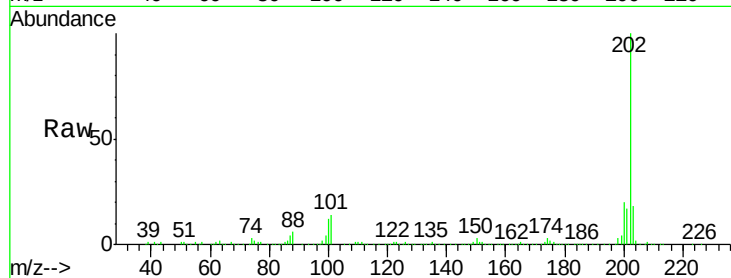
#77
Pvrene
Concen: 48.33 ng
RT: 12.69 min Scan# 928
Delta R.T. 0.00 min
Lab File: BF080987.D
Acq: 13 Aug 2015 18:35

Instrument :
BNA_F
ClientSampleId :
S-A(2)MSD

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.2	16.6	24.8
203	18.2	14.2	21.2

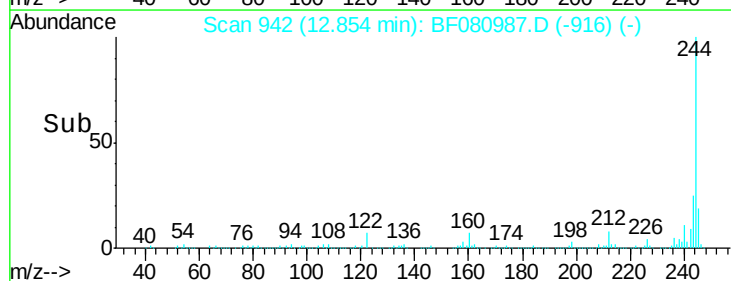
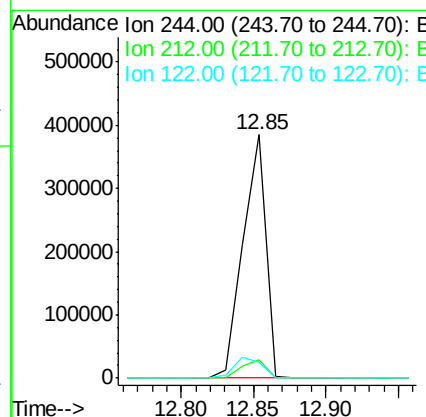
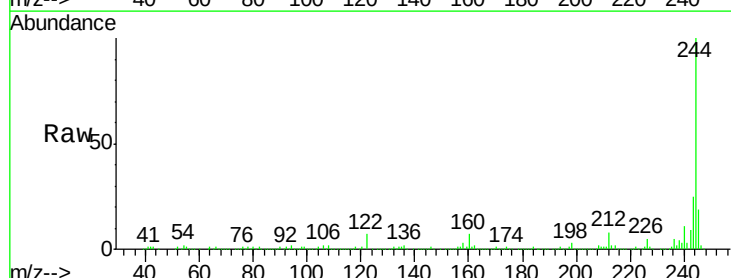
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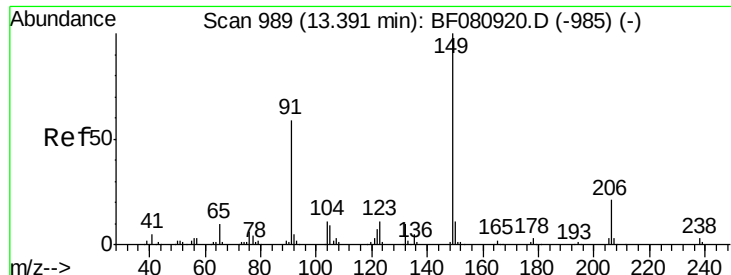
MMDadoda
8/14/2015 3:09:00 PM



#78
Terphenyl-d14
Concen: 92.43 ng
RT: 12.85 min Scan# 942
Delta R.T. 0.00 min
Lab File: BF080987.D
Acq: 13 Aug 2015 18:35

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.7	5.8	8.8
122	6.6	9.4	14.2#





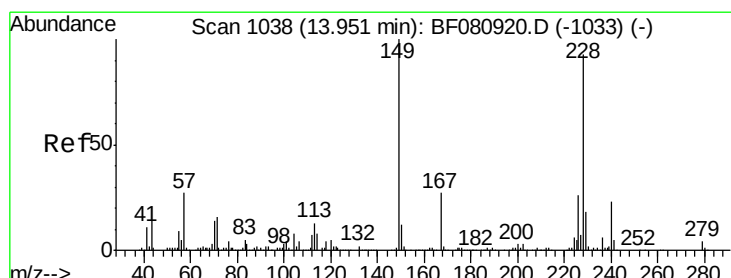
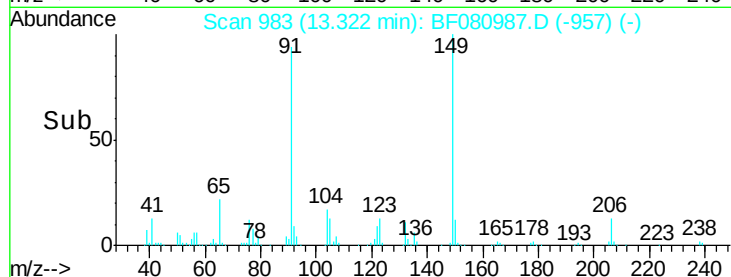
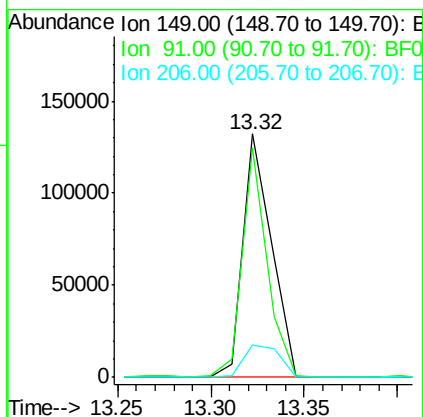
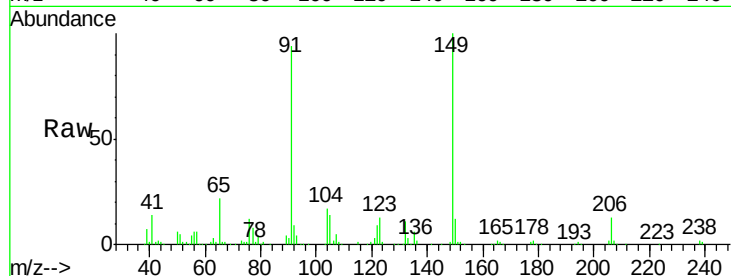
#79
Butylbenzylphthalate
Concen: 42.03 ng
RT: 13.32 min Scan# 983
Delta R.T. 0.00 min
Lab File: BF080987.D
Acq: 13 Aug 2015 18:35

Instrument :
BNA_F
ClientSampleId :
S-A(2)MSD

Tot Ion	Ratio	Resp Lower	Upper
149	100		
91	94.4	47.2	70.8#
206	13.5	16.5	24.7#

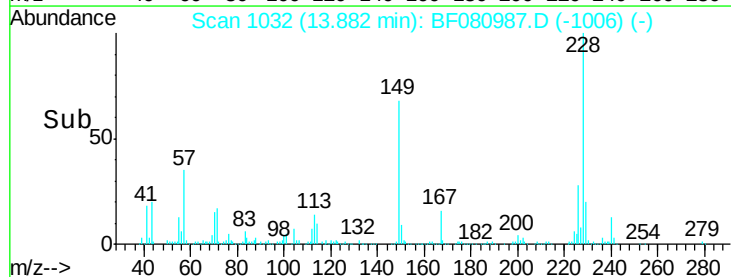
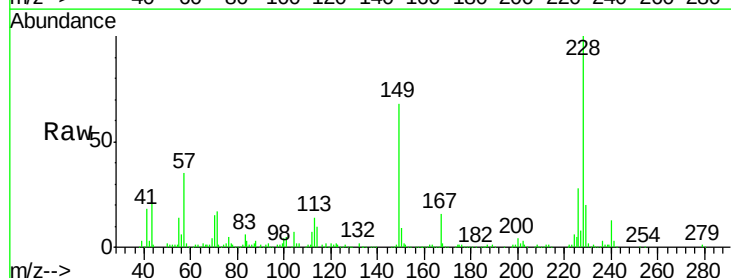
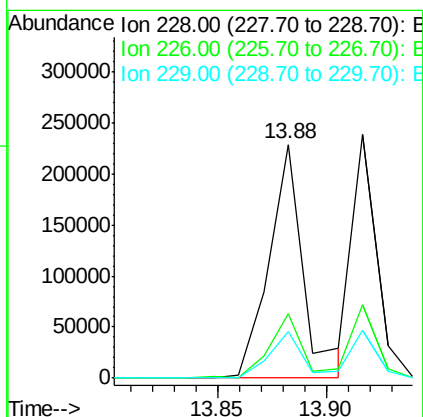
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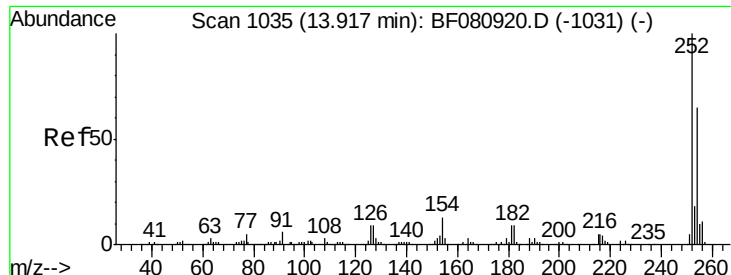
MMDadoda
8/14/2015 3:09:00 PM



#80
Benzo(a)anthracene
Concen: 42.78 ng
RT: 13.88 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF080987.D
Acq: 13 Aug 2015 18:35

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	27.7	22.2	33.2
229	19.7	15.8	23.6





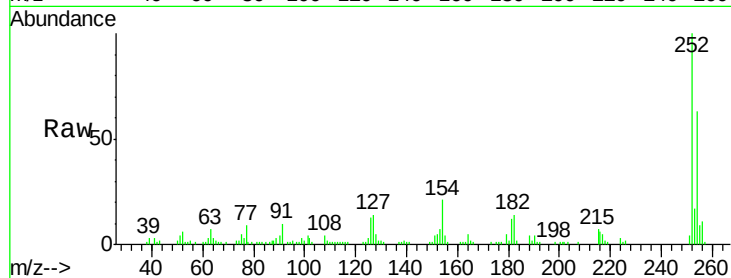
#81
 3,3'-Dichlorobenzidine
 Concen: 20.05 ng
 RT: 13.85 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: BF080987.D
 Acq: 13 Aug 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 S-A(2)MSD

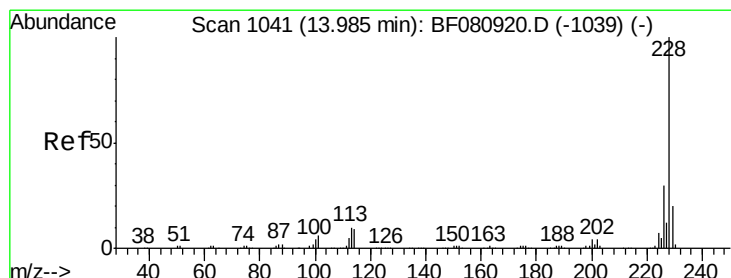
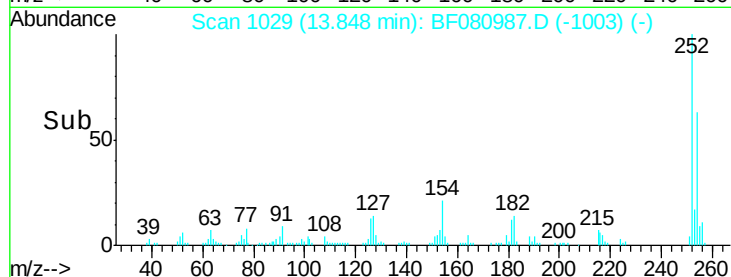
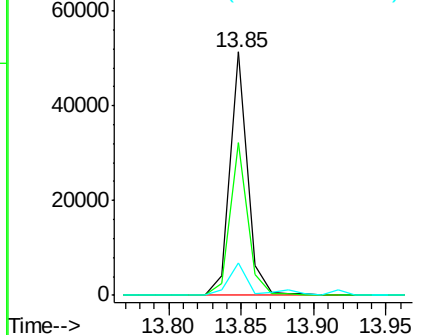
Tot Ion	Ratio	Resp	Lower	Upper
252	100	43322		
254	62.5	51.7	77.5	
126	13.1	7.1	10.7	

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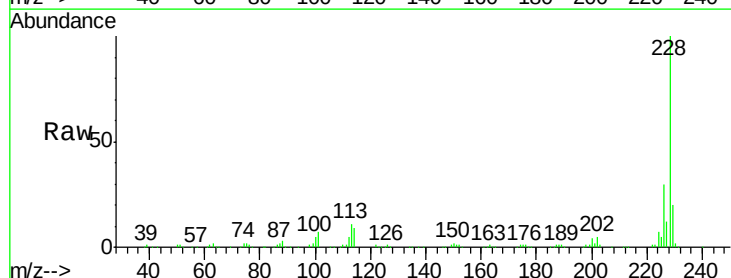


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

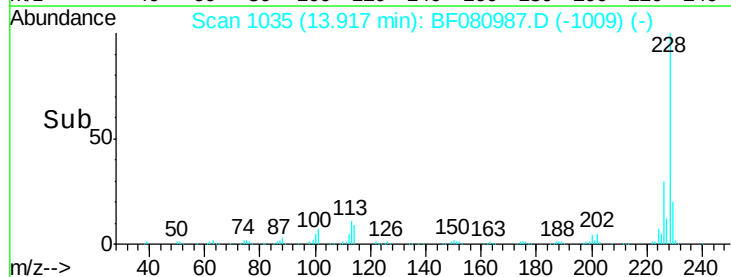
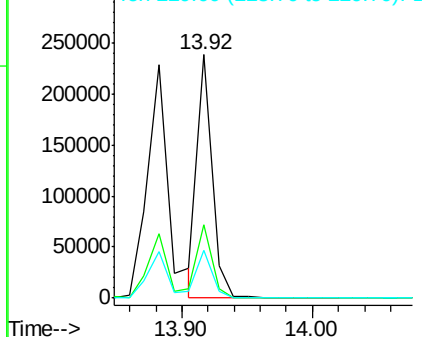


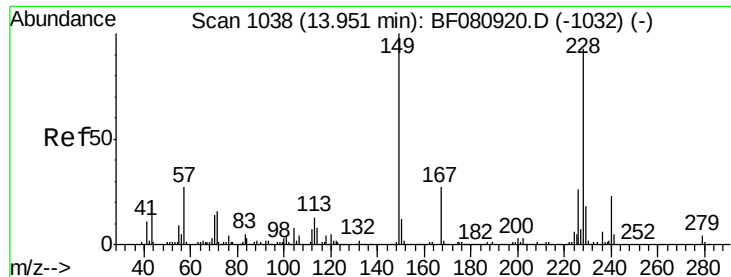
#82
 Chrysene
 Concen: 33.26 ng
 RT: 13.92 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: BF080987.D
 Acq: 13 Aug 2015 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	189140		
226	30.3	23.9	35.9	
229	19.7	15.8	23.6	



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 40.17 ng

RT: 13.88 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Instrument :

BNA_F

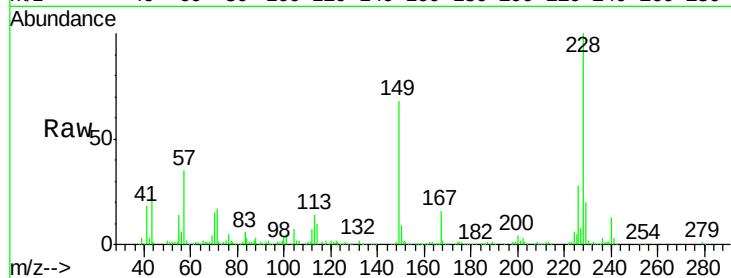
ClientSampleId :

S-A(2)MSD

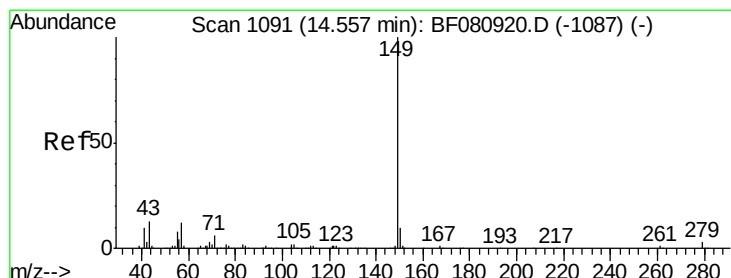
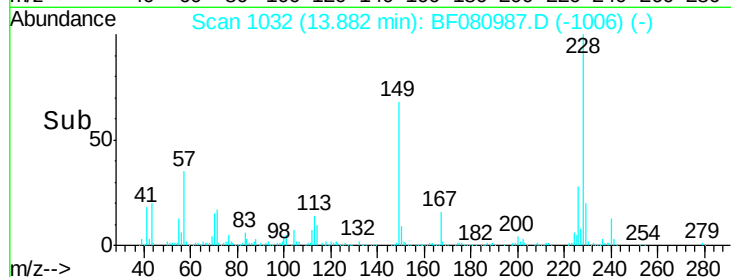
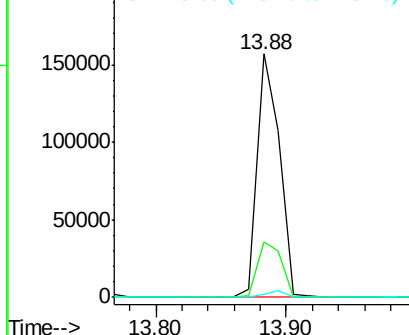
Tot Ion:	149	Resp:	187153
Ion Ratio	Lower	Upper	
149	100		
167	22.7	21.4	32.0
279	1.4	2.9	4.3#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 32.22 ng

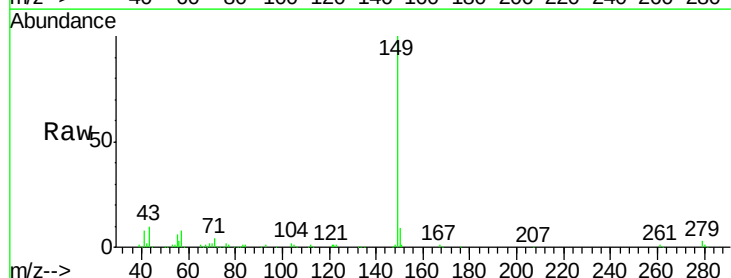
RT: 14.50 min Scan# 1086

Delta R.T. 0.00 min

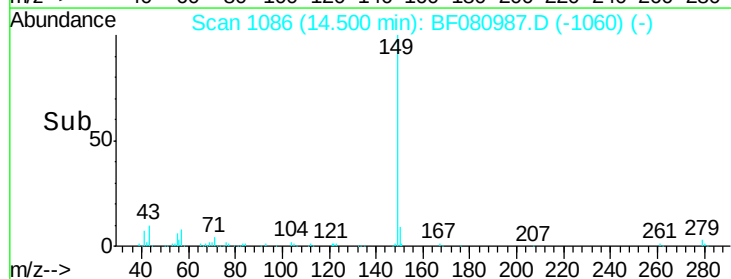
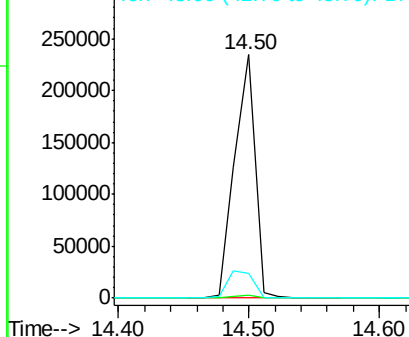
Lab File: BF080987.D

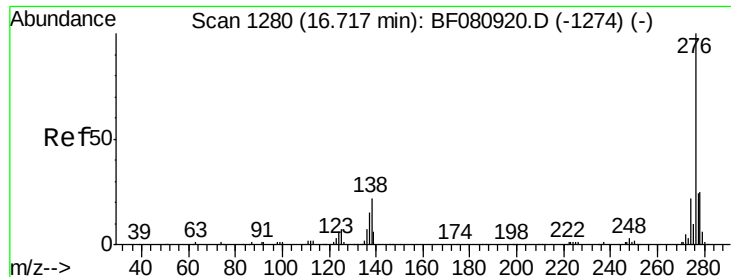
Acq: 13 Aug 2015 18:35

Tgt Ion:	149	Resp:	254507
Ion Ratio	Lower	Upper	
149	100		
167	1.3	1.1	1.7
43	14.1	11.0	16.4



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0





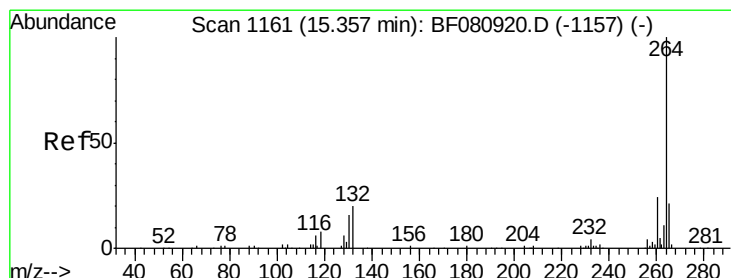
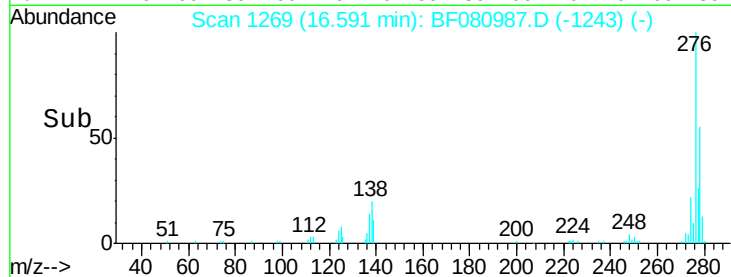
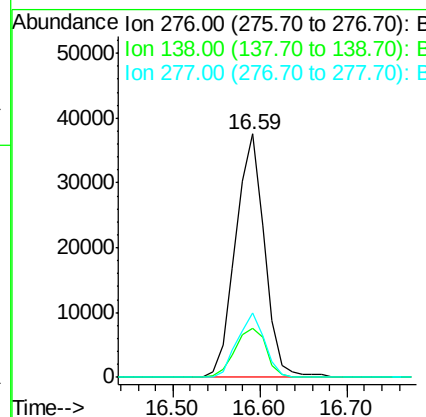
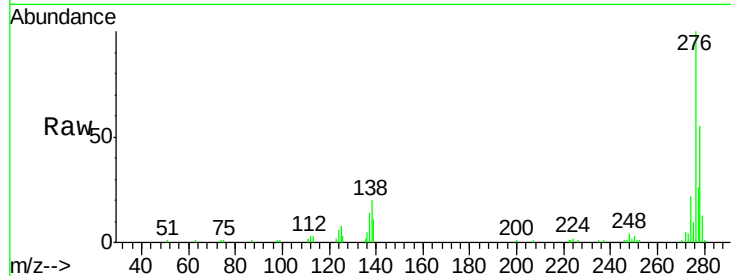
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 16.04 ng
 RT: 16.59 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: BF080987.D
 Acq: 13 Aug 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 S-A(2)MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.6	19.9	29.9
277	24.9	19.7	29.5

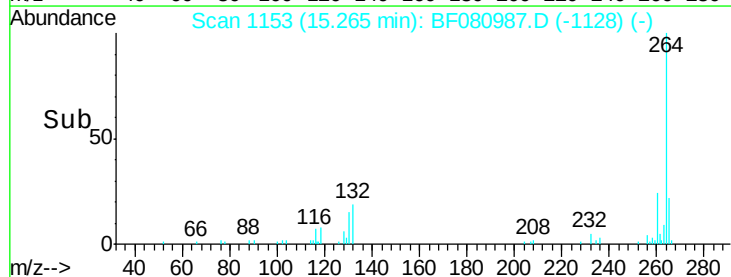
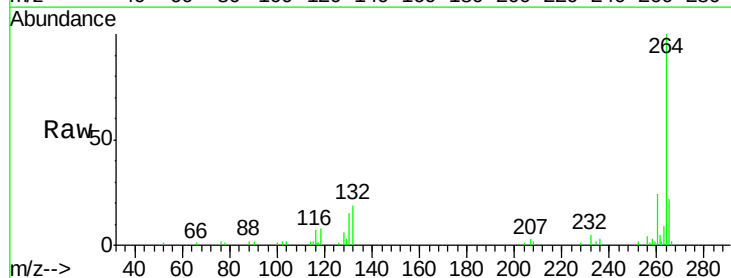
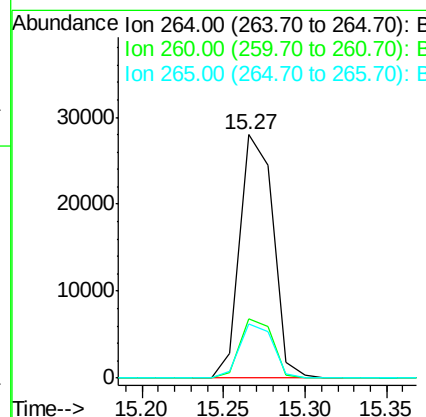
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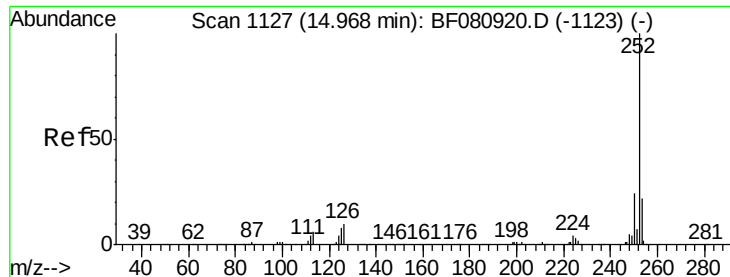
MMDadoda
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.27 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BF080987.D
 Acq: 13 Aug 2015 18:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.0
265	22.2	17.0	25.4





#87

Benzo(b)fluoranthene

Concen: 56.42 ng m

RT: 14.89 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Instrument :

BNA_F

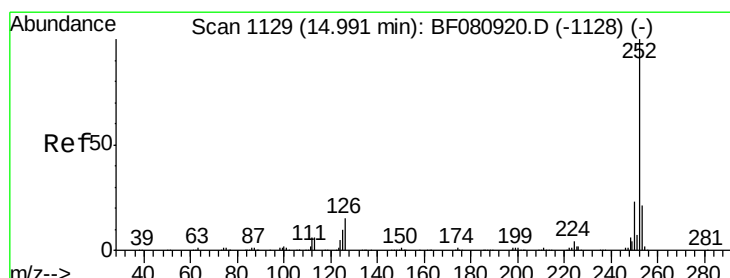
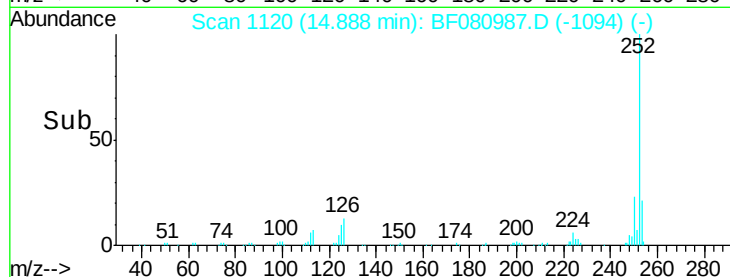
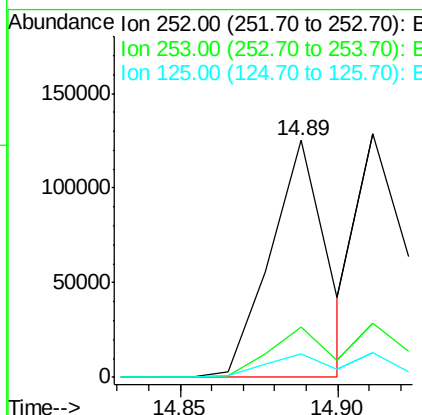
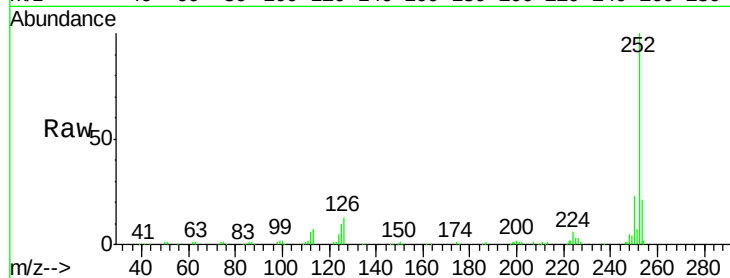
ClientSampleId :

S-A(2)MSD

Tot Ion:	252	Resp:	154912
Ion Ratio	Lower	Upper	
252	100		
253	21.0	17.6	26.4
125	9.9	6.1	9.1#

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#88

Benzo(k)fluoranthene

Concen: 57.21 ng m

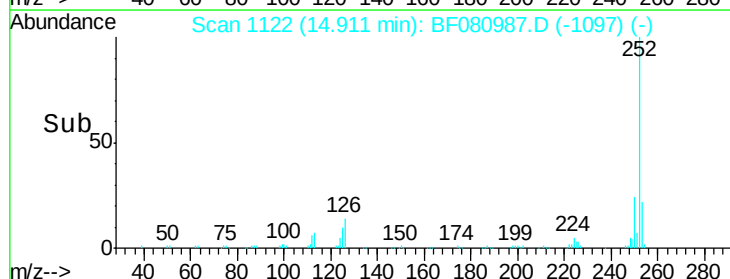
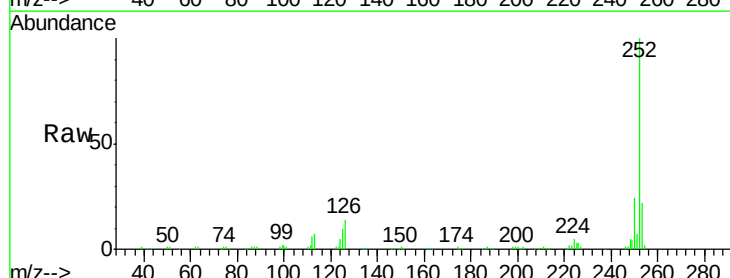
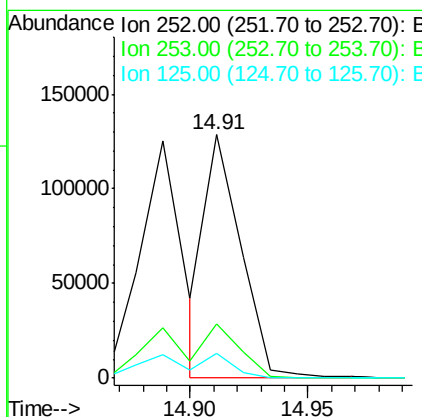
RT: 14.91 min Scan# 1122

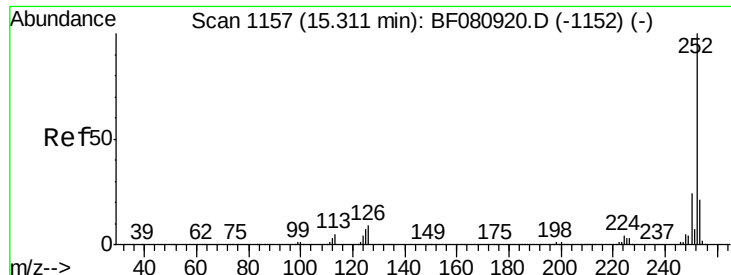
Delta R.T. -0.01 min

Lab File: BF080987.D

Acq: 13 Aug 2015 18:35

Tgt Ion:	252	Resp:	137409
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.4	26.2
125	10.4	9.0	13.6





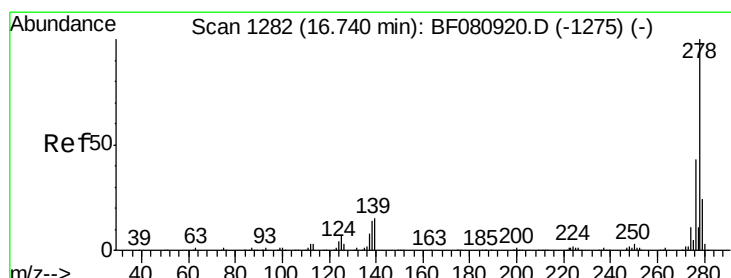
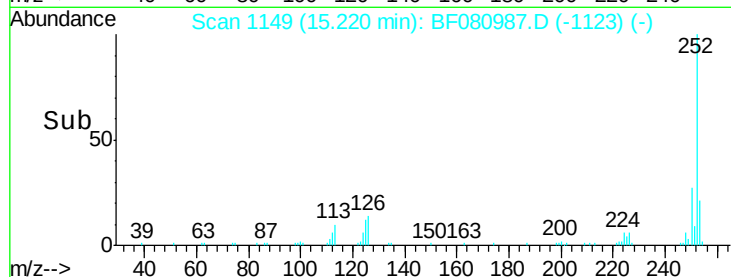
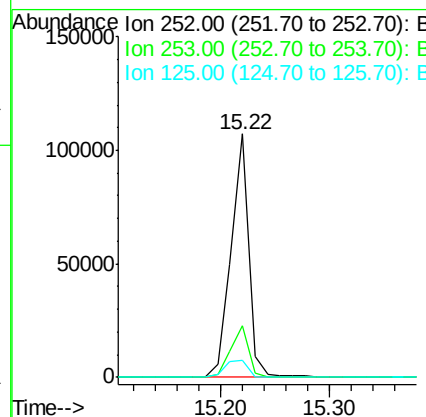
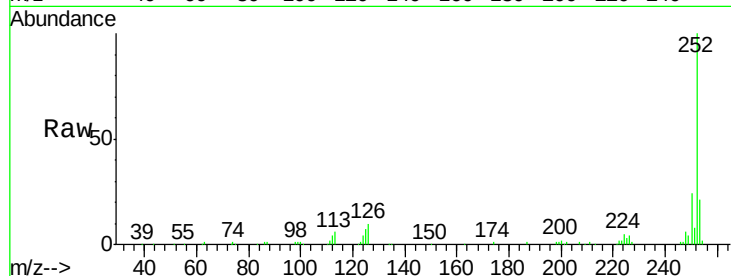
#89
Benzo(a)pyrene
Concen: 51.09 ng
RT: 15.22 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BF080987.D
Acq: 13 Aug 2015 18:35

Instrument :
BNA_F
ClientSampleId :
S-A(2)MSD

Tot Ion:	252	Resp:	120557
Ion Ratio	Lower	Upper	
252	100		
253	21.3	16.9	25.3
125	7.2	5.8	8.8

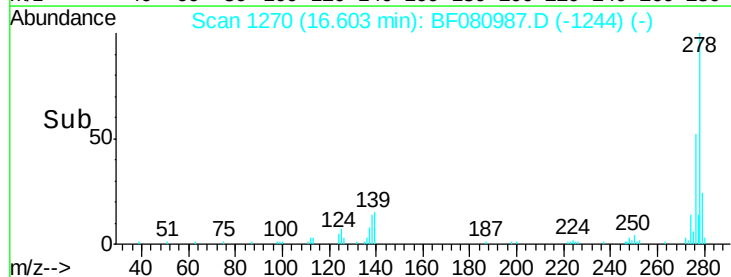
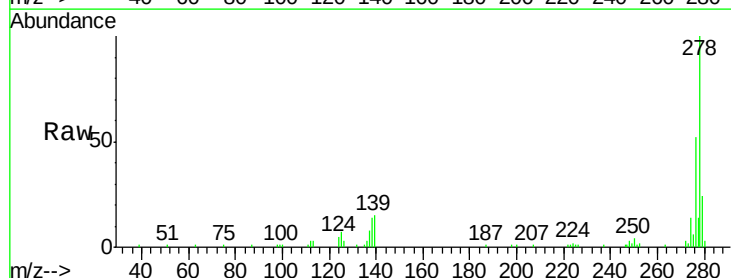
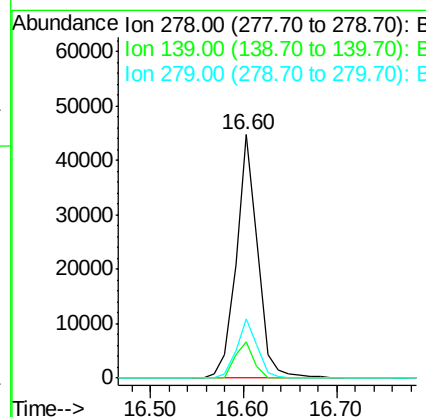
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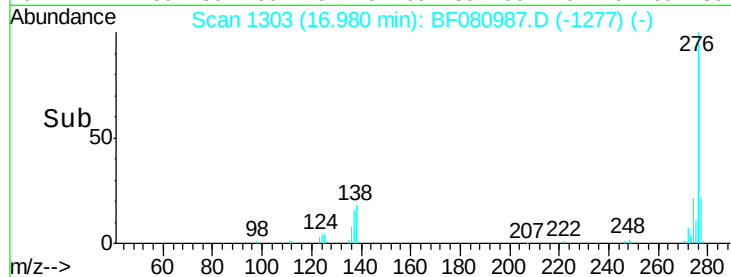
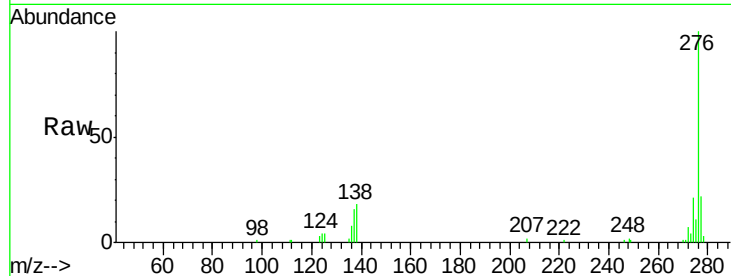
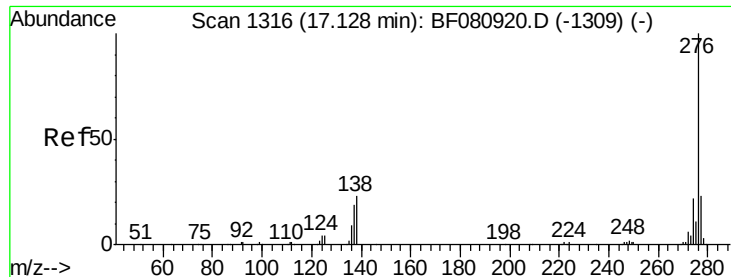
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#90
Dibenzo(a,h)anthracene
Concen: 34.27 ng
RT: 16.60 min Scan# 1270
Delta R.T. 0.00 min
Lab File: BF080987.D
Acq: 13 Aug 2015 18:35

Tgt Ion:	278	Resp:	71518
Ion Ratio	Lower	Upper	
278	100		
139	15.1	11.9	17.9
279	24.2	19.0	28.6





#91
 Benzo(a,h,i)perylene
 Concen: 37.18 ng
 RT: 16.98 min Scan# 1303
 Delta R.T. 0.00 min
 Lab File: BF080987.D
 Acq: 13 Aug 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 S-A(2)MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	21.9	18.6	28.0
138	18.3	18.4	27.6

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